

Supplementary Table S3. DMR information in Gmdrm mutant compared with wild type.

Chr	Start	End	Mutants	MethType	Ctype	Methylation I
Gm01	112025	112154	Gmdrm	hyper	CG	0.053
Gm01	214037	214983	Gmdrm	hyper	CG	0.0341
Gm01	797219	797303	Gmdrm	hyper	CG	0.048
Gm01	823965	824079	Gmdrm	hyper	CG	0.8322
Gm01	827054	827195	Gmdrm	hyper	CG	0.7386
Gm01	1066475	1066544	Gmdrm	hyper	CG	0.716
Gm01	1218242	1218302	Gmdrm	hyper	CG	0.344
Gm01	1226609	1226644	Gmdrm	hyper	CG	0.066
Gm01	1240174	1240294	Gmdrm	hyper	CG	0.0386
Gm01	1836456	1836610	Gmdrm	hyper	CG	0.125
Gm01	2414436	2414624	Gmdrm	hyper	CG	0.665
Gm01	2418492	2418639	Gmdrm	hyper	CG	0.5863
Gm01	2738722	2738856	Gmdrm	hyper	CG	0.645
Gm01	3007674	3007771	Gmdrm	hyper	CG	0.185
Gm01	3053327	3053512	Gmdrm	hyper	CG	0.046
Gm01	3065385	3065447	Gmdrm	hyper	CG	0.6616
Gm01	3100228	3100320	Gmdrm	hyper	CG	0.9583
Gm01	3261543	3261663	Gmdrm	hyper	CG	0.4009
Gm01	3578273	3578298	Gmdrm	hyper	CG	0.3817
Gm01	3715578	3715754	Gmdrm	hyper	CG	0.025
Gm01	3743186	3743285	Gmdrm	hyper	CG	0.3857
Gm01	3986368	3986399	Gmdrm	hyper	CG	0.7734
Gm01	4036327	4036341	Gmdrm	hyper	CG	0.945
Gm01	4128317	4128411	Gmdrm	hyper	CG	0.03
Gm01	4430009	4430156	Gmdrm	hyper	CG	0.911
Gm01	4434627	4435028	Gmdrm	hyper	CG	0.0541
Gm01	4443936	4444066	Gmdrm	hyper	CG	0.038
Gm01	4477008	4477321	Gmdrm	hyper	CG	0.0538
Gm01	4487448	4487482	Gmdrm	hyper	CG	0.97
Gm01	4764374	4764475	Gmdrm	hyper	CG	0.5915
Gm01	4794286	4794491	Gmdrm	hyper	CG	0.236
Gm01	4836642	4836840	Gmdrm	hyper	CG	0.438
Gm01	4843474	4843555	Gmdrm	hyper	CG	0.0328
Gm01	4865253	4865439	Gmdrm	hyper	CG	0.135
Gm01	5188047	5188290	Gmdrm	hyper	CG	0.0762
Gm01	5194715	5194863	Gmdrm	hyper	CG	0.0289
Gm01	5232636	5233264	Gmdrm	hyper	CG	0.0321
Gm01	5310733	5310754	Gmdrm	hyper	CG	0.8429
Gm01	5433178	5433826	Gmdrm	hyper	CG	0.0297
Gm01	5497914	5498001	Gmdrm	hyper	CG	0.052
Gm01	5600005	5600508	Gmdrm	hyper	CG	0.5438
Gm01	5624546	5624560	Gmdrm	hyper	CG	0.0483
Gm01	5691915	5692524	Gmdrm	hyper	CG	0.0519
Gm01	5852273	5852513	Gmdrm	hyper	CG	0.045

Gm01	6024982	6025033	Gmdrm	hyper	CG	0.068
Gm01	6181622	6181772	Gmdrm	hyper	CG	0.046
Gm01	6191980	6192313	Gmdrm	hyper	CG	0.0402
Gm01	6271014	6271142	Gmdrm	hyper	CG	0.608
Gm01	6343787	6344186	Gmdrm	hyper	CG	0.0389
Gm01	6541153	6541662	Gmdrm	hyper	CG	0.0251
Gm01	6554405	6554624	Gmdrm	hyper	CG	0.0637
Gm01	6831112	6831164	Gmdrm	hyper	CG	0.065
Gm01	6932485	6932927	Gmdrm	hyper	CG	0.0383
Gm01	7084390	7085376	Gmdrm	hyper	CG	0.0213
Gm01	7214553	7214705	Gmdrm	hyper	CG	0.7238
Gm01	7312281	7312351	Gmdrm	hyper	CG	0.07
Gm01	7376008	7376068	Gmdrm	hyper	CG	0.204
Gm01	7377817	7378152	Gmdrm	hyper	CG	0.0615
Gm01	7445236	7445367	Gmdrm	hyper	CG	0.0612
Gm01	7540727	7540813	Gmdrm	hyper	CG	0.0508
Gm01	7683790	7683963	Gmdrm	hyper	CG	0.0433
Gm01	7884383	7884413	Gmdrm	hyper	CG	0.0371
Gm01	7938900	7939030	Gmdrm	hyper	CG	0.0542
Gm01	8287030	8287063	Gmdrm	hyper	CG	0.9737
Gm01	8467874	8468125	Gmdrm	hyper	CG	0.0586
Gm01	8497595	8497700	Gmdrm	hyper	CG	0.041
Gm01	8587993	8588098	Gmdrm	hyper	CG	0.048
Gm01	8608744	8608869	Gmdrm	hyper	CG	0.6546
Gm01	8647201	8647431	Gmdrm	hyper	CG	0.061
Gm01	8651568	8651893	Gmdrm	hyper	CG	0.0612
Gm01	8811108	8811637	Gmdrm	hyper	CG	0.0845
Gm01	8837797	8837963	Gmdrm	hyper	CG	0.048
Gm01	8869441	8869483	Gmdrm	hyper	CG	0.74
Gm01	8988862	8989180	Gmdrm	hyper	CG	0.0388
Gm01	9014200	9014512	Gmdrm	hyper	CG	0.0342
Gm01	9053535	9053614	Gmdrm	hyper	CG	0.5671
Gm01	9082392	9082460	Gmdrm	hyper	CG	0.1
Gm01	9234090	9234183	Gmdrm	hyper	CG	0.9617
Gm01	9234580	9234692	Gmdrm	hyper	CG	0.945
Gm01	9234986	9235380	Gmdrm	hyper	CG	0.2189
Gm01	9545740	9546137	Gmdrm	hyper	CG	0.0519
Gm01	9572188	9572204	Gmdrm	hyper	CG	0.0683
Gm01	9599159	9599322	Gmdrm	hyper	CG	0.0316
Gm01	9708579	9708826	Gmdrm	hyper	CG	0.029
Gm01	9797654	9797791	Gmdrm	hyper	CG	0.044
Gm01	9835961	9836052	Gmdrm	hyper	CG	0.0517
Gm01	9881169	9881234	Gmdrm	hyper	CG	0.0888
Gm01	10036097	10036281	Gmdrm	hyper	CG	0.0767
Gm01	10047025	10047103	Gmdrm	hyper	CG	0.0717
Gm01	10069760	10069798	Gmdrm	hyper	CG	0.9883

Gm01	10097500	10097609	Gmdrm	hyper	CG	0.0487
Gm01	10107735	10107852	Gmdrm	hyper	CG	0.12
Gm01	10244397	10244797	Gmdrm	hyper	CG	0.04
Gm01	10275642	10275752	Gmdrm	hyper	CG	0.0944
Gm01	10307654	10307782	Gmdrm	hyper	CG	0.0333
Gm01	10455654	10455765	Gmdrm	hyper	CG	0.0356
Gm01	10525019	10525424	Gmdrm	hyper	CG	0.03
Gm01	10580629	10580859	Gmdrm	hyper	CG	0.0341
Gm01	10604712	10604841	Gmdrm	hyper	CG	0.6971
Gm01	10609408	10609492	Gmdrm	hyper	CG	0.8
Gm01	10691656	10692386	Gmdrm	hyper	CG	0.0306
Gm01	10710291	10710347	Gmdrm	hyper	CG	0.1067
Gm01	11071114	11071239	Gmdrm	hyper	CG	0.07
Gm01	11144406	11144515	Gmdrm	hyper	CG	0.0867
Gm01	11267442	11267533	Gmdrm	hyper	CG	0.043
Gm01	11405942	11406136	Gmdrm	hyper	CG	0.075
Gm01	11431330	11431674	Gmdrm	hyper	CG	0.0558
Gm01	11597453	11598140	Gmdrm	hyper	CG	0.0261
Gm01	11615027	11615322	Gmdrm	hyper	CG	0.0708
Gm01	11646125	11646265	Gmdrm	hyper	CG	0.1267
Gm01	11821901	11822620	Gmdrm	hyper	CG	0.0509
Gm01	11845763	11845828	Gmdrm	hyper	CG	0.1557
Gm01	11904190	11904338	Gmdrm	hyper	CG	0.075
Gm01	11986902	11987001	Gmdrm	hyper	CG	0.5817
Gm01	12006450	12006604	Gmdrm	hyper	CG	0.0368
Gm01	12021835	12022464	Gmdrm	hyper	CG	0.0478
Gm01	12033021	12033113	Gmdrm	hyper	CG	0.6567
Gm01	12123592	12123717	Gmdrm	hyper	CG	0.466
Gm01	12192610	12192830	Gmdrm	hyper	CG	0.0787
Gm01	12308815	12309486	Gmdrm	hyper	CG	0.0394
Gm01	12467673	12467907	Gmdrm	hyper	CG	0.0295
Gm01	12476372	12476787	Gmdrm	hyper	CG	0.0175
Gm01	12499672	12499982	Gmdrm	hyper	CG	0.0663
Gm01	12512629	12513618	Gmdrm	hyper	CG	0.0321
Gm01	12624793	12624974	Gmdrm	hyper	CG	0.083
Gm01	12665008	12665177	Gmdrm	hyper	CG	0.0534
Gm01	12761433	12761587	Gmdrm	hyper	CG	0.8922
Gm01	12773501	12773780	Gmdrm	hyper	CG	0.0404
Gm01	12834285	12834677	Gmdrm	hyper	CG	0.2358
Gm01	13024108	13024233	Gmdrm	hyper	CG	0.9312
Gm01	13090890	13090921	Gmdrm	hyper	CG	0.595
Gm01	13127713	13127937	Gmdrm	hyper	CG	0.0847
Gm01	13270558	13270969	Gmdrm	hyper	CG	0.0547
Gm01	13336671	13336773	Gmdrm	hyper	CG	0.502
Gm01	13487085	13487215	Gmdrm	hyper	CG	0.0583
Gm01	13548365	13548440	Gmdrm	hyper	CG	0.105

Gm01	13590522	13590868	Gmdrm	hyper	CG	0.0663
Gm01	13640659	13641314	Gmdrm	hyper	CG	0.0303
Gm01	13979885	13979961	Gmdrm	hyper	CG	0.2038
Gm01	14071627	14071701	Gmdrm	hyper	CG	0.0583
Gm01	14121500	14121593	Gmdrm	hyper	CG	0.0817
Gm01	14134992	14135003	Gmdrm	hyper	CG	0.085
Gm01	14136158	14136464	Gmdrm	hyper	CG	0.0384
Gm01	14465015	14465254	Gmdrm	hyper	CG	0.0604
Gm01	14471191	14472157	Gmdrm	hyper	CG	0.0229
Gm01	14510571	14510914	Gmdrm	hyper	CG	0.0548
Gm01	14747089	14747422	Gmdrm	hyper	CG	0.0377
Gm01	14774838	14775584	Gmdrm	hyper	CG	0.0266
Gm01	14941539	14941806	Gmdrm	hyper	CG	0.0489
Gm01	15311794	15312647	Gmdrm	hyper	CG	0.0265
Gm01	15414472	15414697	Gmdrm	hyper	CG	0.054
Gm01	15501434	15501528	Gmdrm	hyper	CG	0.0529
Gm01	15664268	15664754	Gmdrm	hyper	CG	0.0343
Gm01	15743774	15744105	Gmdrm	hyper	CG	0.0466
Gm01	15919043	15919279	Gmdrm	hyper	CG	0.0645
Gm01	15940159	15940538	Gmdrm	hyper	CG	0.5193
Gm01	16008604	16008864	Gmdrm	hyper	CG	0.06
Gm01	16119447	16119621	Gmdrm	hyper	CG	0.035
Gm01	16162695	16162829	Gmdrm	hyper	CG	0.1314
Gm01	16176060	16177059	Gmdrm	hyper	CG	0.0293
Gm01	16528784	16528919	Gmdrm	hyper	CG	0.0533
Gm01	16601641	16601674	Gmdrm	hyper	CG	0.06
Gm01	16606247	16607228	Gmdrm	hyper	CG	0.0274
Gm01	16708255	16708609	Gmdrm	hyper	CG	0.0579
Gm01	16710578	16710943	Gmdrm	hyper	CG	0.0453
Gm01	16713190	16713582	Gmdrm	hyper	CG	0.0412
Gm01	16787136	16787585	Gmdrm	hyper	CG	0.0313
Gm01	16953484	16953966	Gmdrm	hyper	CG	0.055
Gm01	16963546	16963607	Gmdrm	hyper	CG	0.098
Gm01	16978753	16979024	Gmdrm	hyper	CG	0.0471
Gm01	17012207	17012263	Gmdrm	hyper	CG	0.9569
Gm01	17113648	17114212	Gmdrm	hyper	CG	0.0635
Gm01	17276968	17277282	Gmdrm	hyper	CG	0.0326
Gm01	17316023	17316713	Gmdrm	hyper	CG	0.0954
Gm01	17347596	17347742	Gmdrm	hyper	CG	0.0469
Gm01	17559590	17559876	Gmdrm	hyper	CG	0.0308
Gm01	17591558	17591809	Gmdrm	hyper	CG	0.0522
Gm01	17632091	17632121	Gmdrm	hyper	CG	0.112
Gm01	17736438	17736552	Gmdrm	hyper	CG	0.0411
Gm01	17763047	17763131	Gmdrm	hyper	CG	0.1829
Gm01	17927048	17927247	Gmdrm	hyper	CG	0.0744
Gm01	17995220	17995455	Gmdrm	hyper	CG	0.0637

Gm01	18021917	18022090	Gmdrm	hyper	CG	0.0796
Gm01	18061591	18061787	Gmdrm	hyper	CG	0.0956
Gm01	18191709	18191930	Gmdrm	hyper	CG	0.15
Gm01	18355859	18356010	Gmdrm	hyper	CG	0.19
Gm01	18528935	18529112	Gmdrm	hyper	CG	0.0725
Gm01	18554050	18554089	Gmdrm	hyper	CG	0.0733
Gm01	18603487	18604239	Gmdrm	hyper	CG	0.065
Gm01	18730337	18731230	Gmdrm	hyper	CG	0.0294
Gm01	18817145	18817231	Gmdrm	hyper	CG	0.0822
Gm01	18817651	18817795	Gmdrm	hyper	CG	0.0793
Gm01	18819500	18819585	Gmdrm	hyper	CG	0.08
Gm01	18847712	18847770	Gmdrm	hyper	CG	0.0471
Gm01	18977887	18977942	Gmdrm	hyper	CG	0.0883
Gm01	18987083	18987153	Gmdrm	hyper	CG	0.034
Gm01	19222512	19222569	Gmdrm	hyper	CG	0.0889
Gm01	19256725	19257145	Gmdrm	hyper	CG	0.0451
Gm01	19409621	19409812	Gmdrm	hyper	CG	0.0657
Gm01	19430185	19430266	Gmdrm	hyper	CG	0.142
Gm01	19558870	19558956	Gmdrm	hyper	CG	0.12
Gm01	19565085	19565375	Gmdrm	hyper	CG	0.0818
Gm01	19637666	19637728	Gmdrm	hyper	CG	0.04
Gm01	19637906	19638414	Gmdrm	hyper	CG	0.0475
Gm01	19732710	19733042	Gmdrm	hyper	CG	0.0727
Gm01	19832651	19833000	Gmdrm	hyper	CG	0.0448
Gm01	19885812	19885869	Gmdrm	hyper	CG	0.065
Gm01	19906686	19906834	Gmdrm	hyper	CG	0.0775
Gm01	19952716	19952938	Gmdrm	hyper	CG	0.0764
Gm01	19978805	19978946	Gmdrm	hyper	CG	0.1058
Gm01	20117688	20117952	Gmdrm	hyper	CG	0.6093
Gm01	20199500	20200185	Gmdrm	hyper	CG	0.0285
Gm01	20203454	20203542	Gmdrm	hyper	CG	0.071
Gm01	20378017	20378228	Gmdrm	hyper	CG	0.0294
Gm01	20454748	20454773	Gmdrm	hyper	CG	0.1184
Gm01	20783094	20783400	Gmdrm	hyper	CG	0.0306
Gm01	20815608	20815748	Gmdrm	hyper	CG	0.0343
Gm01	20831335	20831584	Gmdrm	hyper	CG	0.04
Gm01	20868030	20868164	Gmdrm	hyper	CG	0.0543
Gm01	20938545	20938604	Gmdrm	hyper	CG	0.085
Gm01	21135356	21135678	Gmdrm	hyper	CG	0.0271
Gm01	21364251	21364669	Gmdrm	hyper	CG	0.0331
Gm01	21425499	21425617	Gmdrm	hyper	CG	0.125
Gm01	21678219	21678547	Gmdrm	hyper	CG	0.0395
Gm01	21823979	21824143	Gmdrm	hyper	CG	0.18
Gm01	21906137	21906149	Gmdrm	hyper	CG	0.9017
Gm01	21964774	21965347	Gmdrm	hyper	CG	0.0505
Gm01	22210451	22210515	Gmdrm	hyper	CG	0.0754

Gm01	22294865	22295387	Gmdrm	hyper	CG	0.043
Gm01	22325111	22325159	Gmdrm	hyper	CG	0.0687
Gm01	22338405	22338597	Gmdrm	hyper	CG	0.15
Gm01	22553783	22553862	Gmdrm	hyper	CG	0.173
Gm01	22716373	22716739	Gmdrm	hyper	CG	0.0596
Gm01	23007287	23007899	Gmdrm	hyper	CG	0.0348
Gm01	23018467	23018753	Gmdrm	hyper	CG	0.0474
Gm01	23040395	23041008	Gmdrm	hyper	CG	0.0198
Gm01	23232458	23232576	Gmdrm	hyper	CG	0.0887
Gm01	23258118	23258239	Gmdrm	hyper	CG	0.044
Gm01	23258552	23258620	Gmdrm	hyper	CG	0.078
Gm01	23322400	23322585	Gmdrm	hyper	CG	0.0616
Gm01	23351077	23351261	Gmdrm	hyper	CG	0.092
Gm01	23361504	23361774	Gmdrm	hyper	CG	0.0456
Gm01	23494305	23494750	Gmdrm	hyper	CG	0.0351
Gm01	23560005	23560871	Gmdrm	hyper	CG	0.0381
Gm01	23677225	23677502	Gmdrm	hyper	CG	0.0396
Gm01	23787426	23787591	Gmdrm	hyper	CG	0.0475
Gm01	23816209	23817209	Gmdrm	hyper	CG	0.0237
Gm01	23940883	23941240	Gmdrm	hyper	CG	0.0469
Gm01	24005248	24005309	Gmdrm	hyper	CG	0.0667
Gm01	24155158	24155277	Gmdrm	hyper	CG	0.0767
Gm01	24322816	24322856	Gmdrm	hyper	CG	0.065
Gm01	24666391	24666995	Gmdrm	hyper	CG	0.057
Gm01	24775355	24775420	Gmdrm	hyper	CG	0.0575
Gm01	24776454	24777154	Gmdrm	hyper	CG	0.017
Gm01	24880516	24880916	Gmdrm	hyper	CG	0.0756
Gm01	24883416	24883653	Gmdrm	hyper	CG	0.0564
Gm01	24889478	24889827	Gmdrm	hyper	CG	0.0567
Gm01	24898678	24898695	Gmdrm	hyper	CG	0.976
Gm01	25187566	25187779	Gmdrm	hyper	CG	0.0292
Gm01	25266280	25266359	Gmdrm	hyper	CG	0.734
Gm01	25277949	25278294	Gmdrm	hyper	CG	0.0362
Gm01	25290329	25290552	Gmdrm	hyper	CG	0.0628
Gm01	25362485	25362696	Gmdrm	hyper	CG	0.052
Gm01	25474647	25475093	Gmdrm	hyper	CG	0.0673
Gm01	25559135	25559167	Gmdrm	hyper	CG	0.782
Gm01	25587891	25587978	Gmdrm	hyper	CG	0.06
Gm01	25714571	25714856	Gmdrm	hyper	CG	0.0786
Gm01	26021903	26022387	Gmdrm	hyper	CG	0.0187
Gm01	26086001	26086387	Gmdrm	hyper	CG	0.0406
Gm01	26091959	26092396	Gmdrm	hyper	CG	0.0356
Gm01	26186268	26186747	Gmdrm	hyper	CG	0.0328
Gm01	26212887	26213111	Gmdrm	hyper	CG	0.0643
Gm01	26272081	26272260	Gmdrm	hyper	CG	0.77
Gm01	26361528	26361827	Gmdrm	hyper	CG	0.0368

Gm01	26569025	26569132	Gmdrm	hyper	CG	0.042
Gm01	26571304	26571956	Gmdrm	hyper	CG	0.0542
Gm01	26633954	26633971	Gmdrm	hyper	CG	0.645
Gm01	26891508	26891614	Gmdrm	hyper	CG	0.0833
Gm01	27026739	27026954	Gmdrm	hyper	CG	0.352
Gm01	27108714	27108831	Gmdrm	hyper	CG	0.0536
Gm01	27251045	27251244	Gmdrm	hyper	CG	0.0382
Gm01	27265627	27266621	Gmdrm	hyper	CG	0.0495
Gm01	27514214	27514314	Gmdrm	hyper	CG	0.383
Gm01	27614155	27614305	Gmdrm	hyper	CG	0.1022
Gm01	27636239	27636398	Gmdrm	hyper	CG	0.0745
Gm01	27678256	27678275	Gmdrm	hyper	CG	0.4916
Gm01	27780666	27781142	Gmdrm	hyper	CG	0.0628
Gm01	28058361	28058621	Gmdrm	hyper	CG	0.03
Gm01	28104521	28104617	Gmdrm	hyper	CG	0.044
Gm01	28198836	28199066	Gmdrm	hyper	CG	0.393
Gm01	28488515	28488964	Gmdrm	hyper	CG	0.0219
Gm01	28540830	28540850	Gmdrm	hyper	CG	0.0683
Gm01	28648393	28648807	Gmdrm	hyper	CG	0.0326
Gm01	28753928	28754193	Gmdrm	hyper	CG	0.0416
Gm01	28774436	28774886	Gmdrm	hyper	CG	0.0517
Gm01	28868415	28868446	Gmdrm	hyper	CG	0.0717
Gm01	28920932	28921102	Gmdrm	hyper	CG	0.0425
Gm01	28941086	28941113	Gmdrm	hyper	CG	0.17
Gm01	28981658	28981701	Gmdrm	hyper	CG	0.064
Gm01	29116366	29116479	Gmdrm	hyper	CG	0.8314
Gm01	29336836	29336972	Gmdrm	hyper	CG	0.09
Gm01	29459378	29459772	Gmdrm	hyper	CG	0.0379
Gm01	29467210	29467280	Gmdrm	hyper	CG	0.1057
Gm01	29540062	29540149	Gmdrm	hyper	CG	0.0925
Gm01	29551865	29551961	Gmdrm	hyper	CG	0.04
Gm01	29601629	29601991	Gmdrm	hyper	CG	0.03
Gm01	29607896	29608191	Gmdrm	hyper	CG	0.0539
Gm01	29631624	29631984	Gmdrm	hyper	CG	0.035
Gm01	29719214	29719319	Gmdrm	hyper	CG	0.0806
Gm01	29864187	29864458	Gmdrm	hyper	CG	0.0324
Gm01	30049721	30049784	Gmdrm	hyper	CG	0.094
Gm01	30148397	30148411	Gmdrm	hyper	CG	0.05
Gm01	30383754	30384429	Gmdrm	hyper	CG	0.0315
Gm01	30499034	30499063	Gmdrm	hyper	CG	0.214
Gm01	31366736	31367421	Gmdrm	hyper	CG	0.0364
Gm01	31422819	31423364	Gmdrm	hyper	CG	0.0256
Gm01	31454816	31455325	Gmdrm	hyper	CG	0.0392
Gm01	31477383	31477421	Gmdrm	hyper	CG	0.07
Gm01	31489240	31489452	Gmdrm	hyper	CG	0.06
Gm01	31571431	31571451	Gmdrm	hyper	CG	0.0338

Gm01	31764456	31764670	Gmdrm	hyper	CG	0.0626
Gm01	31915404	31915593	Gmdrm	hyper	CG	0.055
Gm01	31981179	31981594	Gmdrm	hyper	CG	0.0404
Gm01	32041541	32041921	Gmdrm	hyper	CG	0.0633
Gm01	32100263	32100556	Gmdrm	hyper	CG	0.0337
Gm01	32205016	32205567	Gmdrm	hyper	CG	0.0234
Gm01	32321575	32321818	Gmdrm	hyper	CG	0.0612
Gm01	32387115	32387540	Gmdrm	hyper	CG	0.073
Gm01	32406872	32407133	Gmdrm	hyper	CG	0.0455
Gm01	32424182	32424398	Gmdrm	hyper	CG	0.0622
Gm01	32532670	32533437	Gmdrm	hyper	CG	0.0258
Gm01	32600307	32600419	Gmdrm	hyper	CG	0.0667
Gm01	32603195	32603459	Gmdrm	hyper	CG	0.052
Gm01	32755615	32755954	Gmdrm	hyper	CG	0.056
Gm01	32771219	32772041	Gmdrm	hyper	CG	0.0449
Gm01	32848330	32848468	Gmdrm	hyper	CG	0.0345
Gm01	33112326	33112372	Gmdrm	hyper	CG	0.084
Gm01	33225074	33225566	Gmdrm	hyper	CG	0.2817
Gm01	33463972	33464018	Gmdrm	hyper	CG	0.5016
Gm01	33492634	33492769	Gmdrm	hyper	CG	0.0683
Gm01	33596478	33596516	Gmdrm	hyper	CG	0.08
Gm01	33854393	33854462	Gmdrm	hyper	CG	0.736
Gm01	33883646	33883681	Gmdrm	hyper	CG	0.07
Gm01	33890384	33890580	Gmdrm	hyper	CG	0.052
Gm01	34004624	34004636	Gmdrm	hyper	CG	0.0367
Gm01	34117156	34117264	Gmdrm	hyper	CG	0.0288
Gm01	34331041	34331155	Gmdrm	hyper	CG	0.085
Gm01	34382272	34382363	Gmdrm	hyper	CG	0.055
Gm01	34808479	34808634	Gmdrm	hyper	CG	0.0743
Gm01	34942560	34942615	Gmdrm	hyper	CG	0.032
Gm01	35035176	35035238	Gmdrm	hyper	CG	0.0538
Gm01	35293619	35293994	Gmdrm	hyper	CG	0.0615
Gm01	35314379	35314697	Gmdrm	hyper	CG	0.039
Gm01	35603103	35603360	Gmdrm	hyper	CG	0.0511
Gm01	35603829	35604022	Gmdrm	hyper	CG	0.0592
Gm01	35631525	35631825	Gmdrm	hyper	CG	0.0586
Gm01	35832238	35832292	Gmdrm	hyper	CG	0.1462
Gm01	35832544	35832624	Gmdrm	hyper	CG	0.2591
Gm01	36037223	36037984	Gmdrm	hyper	CG	0.0538
Gm01	36410201	36410503	Gmdrm	hyper	CG	0.0677
Gm01	36465418	36465566	Gmdrm	hyper	CG	0.039
Gm01	36539722	36539811	Gmdrm	hyper	CG	0.05
Gm01	36594144	36594438	Gmdrm	hyper	CG	0.0325
Gm01	36629304	36629339	Gmdrm	hyper	CG	0.0438
Gm01	36734220	36734297	Gmdrm	hyper	CG	0.0983
Gm01	37146069	37147014	Gmdrm	hyper	CG	0.0316

Gm01	37396117	37396665	Gmdrm	hyper	CG	0.038
Gm01	37442296	37442475	Gmdrm	hyper	CG	0.136
Gm01	37539558	37539688	Gmdrm	hyper	CG	0.1222
Gm01	37811647	37811714	Gmdrm	hyper	CG	0.09
Gm01	37884490	37884800	Gmdrm	hyper	CG	0.036
Gm01	38001494	38001739	Gmdrm	hyper	CG	0.0413
Gm01	38064772	38064883	Gmdrm	hyper	CG	0.0343
Gm01	38196745	38196933	Gmdrm	hyper	CG	0.022
Gm01	38322499	38322735	Gmdrm	hyper	CG	0.0364
Gm01	38370818	38371095	Gmdrm	hyper	CG	0.0865
Gm01	38415748	38415800	Gmdrm	hyper	CG	0.0986
Gm01	38475017	38475096	Gmdrm	hyper	CG	0.0855
Gm01	38522101	38522546	Gmdrm	hyper	CG	0.0513
Gm01	38529809	38530455	Gmdrm	hyper	CG	0.0234
Gm01	38722282	38722547	Gmdrm	hyper	CG	0.057
Gm01	39043521	39043544	Gmdrm	hyper	CG	0.05
Gm01	39128118	39128273	Gmdrm	hyper	CG	0.028
Gm01	39129445	39129553	Gmdrm	hyper	CG	0.0533
Gm01	39199447	39199524	Gmdrm	hyper	CG	0.28
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Gm01	39496707	39496819	Gmdrm	hyper	CG	0.604
Gm01	39533762	39533942	Gmdrm	hyper	CG	0.0766
Gm01	39567269	39567470	Gmdrm	hyper	CG	0.0672
Gm01	39600496	39600645	Gmdrm	hyper	CG	0.0556
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Gm01	39750859	39751042	Gmdrm	hyper	CG	0.0375
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Gm01	39967275	39967347	Gmdrm	hyper	CG	0.0717
Gm01	40063028	40063135	Gmdrm	hyper	CG	0.094
Gm01	40086289	40087077	Gmdrm	hyper	CG	0.0485
Gm01	40281113	40281365	Gmdrm	hyper	CG	0.0531
Gm01	40338083	40338180	Gmdrm	hyper	CG	0.1957
Gm01	40338719	40339638	Gmdrm	hyper	CG	0.0562
Gm01	40669143	40669236	Gmdrm	hyper	CG	0.2733
Gm01	40850565	40850824	Gmdrm	hyper	CG	0.051
Gm01	40909441	40909687	Gmdrm	hyper	CG	0.0535
Gm01	40927520	40927572	Gmdrm	hyper	CG	0.714
Gm01	40946488	40946717	Gmdrm	hyper	CG	0.0606
Gm01	40971716	40972696	Gmdrm	hyper	CG	0.0266
Gm01	41009359	41009583	Gmdrm	hyper	CG	0.0575
Gm01	41130082	41130145	Gmdrm	hyper	CG	0.122
Gm01	41335011	41335156	Gmdrm	hyper	CG	0.0642
Gm01	41391955	41392083	Gmdrm	hyper	CG	0.0483
Gm01	41487325	41487715	Gmdrm	hyper	CG	0.1
Gm01	41534163	41534249	Gmdrm	hyper	CG	0.696

Gm01	41657179	41657255	Gmdrm	hyper	CG	0.0866
Gm01	41705711	41705935	Gmdrm	hyper	CG	0.1034
Gm01	41729672	41729967	Gmdrm	hyper	CG	0.4629
Gm01	41730222	41730281	Gmdrm	hyper	CG	0.4942
Gm01	41769178	41769376	Gmdrm	hyper	CG	0.0673
Gm01	41773089	41773188	Gmdrm	hyper	CG	0.1528
Gm01	42030032	42030112	Gmdrm	hyper	CG	0.0429
Gm01	42121617	42121803	Gmdrm	hyper	CG	0.0616
Gm01	42517272	42517499	Gmdrm	hyper	CG	0.046
Gm01	42538688	42538743	Gmdrm	hyper	CG	0.044
Gm01	42703947	42704017	Gmdrm	hyper	CG	0.674
Gm01	42725342	42726041	Gmdrm	hyper	CG	0.0396
Gm01	42773843	42774058	Gmdrm	hyper	CG	0.0506
Gm01	42787220	42787384	Gmdrm	hyper	CG	0.0744
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Gm01	43128843	43128857	Gmdrm	hyper	CG	0.2817
Gm01	43329398	43330398	Gmdrm	hyper	CG	0.0263
Gm01	43388840	43389099	Gmdrm	hyper	CG	0.04
Gm01	43410478	43410523	Gmdrm	hyper	CG	0.06
Gm01	43708483	43708710	Gmdrm	hyper	CG	0.0392
Gm01	43830562	43830802	Gmdrm	hyper	CG	0.0289
Gm01	43846040	43846305	Gmdrm	hyper	CG	0.0333
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Gm01	43936387	43936751	Gmdrm	hyper	CG	0.4022
Gm01	43941590	43941667	Gmdrm	hyper	CG	0.7512
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Gm01	44057818	44057935	Gmdrm	hyper	CG	0.172
Gm01	44173495	44173714	Gmdrm	hyper	CG	0.04
Gm01	44250542	44250708	Gmdrm	hyper	CG	0.0511
Gm01	44276675	44276765	Gmdrm	hyper	CG	0.0767
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Gm01	44418716	44418881	Gmdrm	hyper	CG	0.889
Gm01	44422826	44423295	Gmdrm	hyper	CG	0.4784
Gm01	44466202	44466426	Gmdrm	hyper	CG	0.0457
Gm01	44468562	44468618	Gmdrm	hyper	CG	0.0583
Gm01	44510916	44510973	Gmdrm	hyper	CG	0.065
Gm01	44551199	44551354	Gmdrm	hyper	CG	0.0558
Gm01	44762035	44762254	Gmdrm	hyper	CG	0.0306
Gm01	44765370	44765506	Gmdrm	hyper	CG	0.0567
Gm01	44826341	44826569	Gmdrm	hyper	CG	0.1033
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Gm01	45061132	45061166	Gmdrm	hyper	CG	0.7771
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Gm01	45342827	45343034	Gmdrm	hyper	CG	0.4991
Gm01	45425895	45426110	Gmdrm	hyper	CG	0.272
Gm01	45497600	45497680	Gmdrm	hyper	CG	0.05
Gm01	45595113	45595283	Gmdrm	hyper	CG	0.332
Gm01	45772103	45772141	Gmdrm	hyper	CG	0.04
Gm01	45986006	45986125	Gmdrm	hyper	CG	0.7833
Gm01	46092748	46092906	Gmdrm	hyper	CG	0.05
Gm01	46337354	46337420	Gmdrm	hyper	CG	0.79
Gm01	46381493	46381766	Gmdrm	hyper	CG	0.1577
Gm01	46457749	46457773	Gmdrm	hyper	CG	0.6728
Gm01	46737353	46738308	Gmdrm	hyper	CG	0.0214
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Gm01	46898850	46898957	Gmdrm	hyper	CG	0.8983
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Gm01	47513711	47513807	Gmdrm	hyper	CG	0.1625
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Gm01	47765872	47765983	Gmdrm	hyper	CG	0.0559
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Gm01	48092005	48092148	Gmdrm	hyper	CG	0.1067
Gm01	48163452	48163613	Gmdrm	hyper	CG	0.5929
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Gm01	49986495	49986636	Gmdrm	hyper	CG	0.0416
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Gm01	50579081	50579156	Gmdrm	hyper	CG	0.052
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Gm01	51115123	51115172	Gmdrm	hyper	CG	0.65
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Gm01	51494871	51495063	Gmdrm	hyper	CG	0.0267
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Gm01	52106632	52107030	Gmdrm	hyper	CG	0.0622
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Gm01	52468780	52468856	Gmdrm	hyper	CG	0.2244
Gm01	52503367	52503491	Gmdrm	hyper	CG	0.028
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Gm01	53101526	53101619	Gmdrm	hyper	CG	0.9067
Gm01	53586240	53586338	Gmdrm	hyper	CG	0.1114
Gm01	53713230	53713450	Gmdrm	hyper	CG	0.03
Gm01	53959811	53959883	Gmdrm	hyper	CG	0.0363
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Gm01	54088367	54088571	Gmdrm	hyper	CG	0.0387
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Gm01	54471529	54471713	Gmdrm	hyper	CG	0.04
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Gm01	55628230	55628298	Gmdrm	hyper	CG	0.6517
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Gm01	55754426	55754500	Gmdrm	hyper	CG	0.0517
Gm01	55870718	55870743	Gmdrm	hyper	CG	0.15
Gm01	55896780	55896947	Gmdrm	hyper	CG	0.06
Gm01	55908153	55908323	Gmdrm	hyper	CG	0.4538
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Gm01	56396370	56396748	Gmdrm	hyper	CG	0.0586
Gm01	56432594	56432760	Gmdrm	hyper	CG	0.0812
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Gm01	56602810	56603014	Gmdrm	hyper	CG	0.0359
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Gm01	57201116	57201162	Gmdrm	hyper	CG	0.8587
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Gm01	57364608	57364649	Gmdrm	hyper	CG	0.764
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Gm01	57870439	57870495	Gmdrm	hyper	CG	0.4484
Gm02	229505	229673	Gmdrm	hyper	CG	0.035
Gm02	394506	394549	Gmdrm	hyper	CG	0.038
Gm02	598625	598722	Gmdrm	hyper	CG	0.1622
Gm02	688113	688223	Gmdrm	hyper	CG	0.062
Gm02	693212	693361	Gmdrm	hyper	CG	0.058
Gm02	889773	889871	Gmdrm	hyper	CG	0.9183
Gm02	956006	956176	Gmdrm	hyper	CG	0.0292
Gm02	1030122	1030202	Gmdrm	hyper	CG	0.0425
Gm02	1050339	1050370	Gmdrm	hyper	CG	0.6884
Gm02	1051395	1051664	Gmdrm	hyper	CG	0.0561
Gm02	1108789	1108810	Gmdrm	hyper	CG	0.9267
Gm02	1109097	1109270	Gmdrm	hyper	CG	0.3116
Gm02	1131653	1131796	Gmdrm	hyper	CG	0.05
Gm02	1151595	1151677	Gmdrm	hyper	CG	0.064
Gm02	1747573	1747637	Gmdrm	hyper	CG	0.952

Gm02	1770418	1770474	Gmdrm	hyper	CG	0.0466
Gm02	1792165	1792238	Gmdrm	hyper	CG	0.034
Gm02	1793788	1793965	Gmdrm	hyper	CG	0.0389
Gm02	2280458	2280556	Gmdrm	hyper	CG	0.041
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Gm02	2654544	2654799	Gmdrm	hyper	CG	0.0472
Gm02	2797603	2797703	Gmdrm	hyper	CG	0.9317
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Gm02	2841967	2842021	Gmdrm	hyper	CG	0.79
Gm02	2850750	2850816	Gmdrm	hyper	CG	0.4183
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Gm02	2913267	2913664	Gmdrm	hyper	CG	0.0344
Gm02	3068419	3068494	Gmdrm	hyper	CG	0.784
Gm02	3315301	3315371	Gmdrm	hyper	CG	0.59
Gm02	3323575	3323747	Gmdrm	hyper	CG	0.066
Gm02	3525394	3525534	Gmdrm	hyper	CG	0.0378
Gm02	3803977	3804073	Gmdrm	hyper	CG	0.5608
Gm02	3806723	3806885	Gmdrm	hyper	CG	0.058
Gm02	3998330	3998382	Gmdrm	hyper	CG	0.09
Gm02	4121033	4121223	Gmdrm	hyper	CG	0.68
Gm02	4308913	4308969	Gmdrm	hyper	CG	0.0476
Gm02	4493138	4493272	Gmdrm	hyper	CG	0.5535
Gm02	4529845	4529887	Gmdrm	hyper	CG	0.8567
Gm02	4598332	4598604	Gmdrm	hyper	CG	0.056
Gm02	4681704	4681890	Gmdrm	hyper	CG	0.05
Gm02	4723082	4723387	Gmdrm	hyper	CG	0.05
Gm02	4979387	4979503	Gmdrm	hyper	CG	0.6687
Gm02	4991333	4991860	Gmdrm	hyper	CG	0.0263
Gm02	5120219	5120349	Gmdrm	hyper	CG	0.432
Gm02	5349494	5349719	Gmdrm	hyper	CG	0.3533
Gm02	5520577	5520606	Gmdrm	hyper	CG	0.0783
Gm02	5584887	5584987	Gmdrm	hyper	CG	0.065
Gm02	5825206	5825356	Gmdrm	hyper	CG	0.6767
Gm02	5865379	5865641	Gmdrm	hyper	CG	0.0356
Gm02	5895828	5896006	Gmdrm	hyper	CG	0.8143
Gm02	5907580	5907591	Gmdrm	hyper	CG	0.5583
Gm02	5913285	5913415	Gmdrm	hyper	CG	0.05
Gm02	6223441	6223464	Gmdrm	hyper	CG	0.844
Gm02	6426244	6426314	Gmdrm	hyper	CG	0.0245
Gm02	6428550	6428610	Gmdrm	hyper	CG	0.5714
Gm02	7168477	7168760	Gmdrm	hyper	CG	0.0445
Gm02	7180052	7180512	Gmdrm	hyper	CG	0.0706
Gm02	7214211	7214226	Gmdrm	hyper	CG	0.718
Gm02	7451898	7452038	Gmdrm	hyper	CG	0.9089
Gm02	7472642	7472665	Gmdrm	hyper	CG	0.3917

Gm02	7808214	7808422	Gmdrm	hyper	CG	0.5734
Gm02	8249084	8249191	Gmdrm	hyper	CG	0.728
Gm02	8520253	8520501	Gmdrm	hyper	CG	0.0937
Gm02	8905428	8905603	Gmdrm	hyper	CG	0.0657
Gm02	8988026	8988678	Gmdrm	hyper	CG	0.0595
Gm02	9030812	9030896	Gmdrm	hyper	CG	0.0367
Gm02	9288769	9288912	Gmdrm	hyper	CG	0.6589
Gm02	9498368	9498484	Gmdrm	hyper	CG	0.7614
Gm02	9522139	9522197	Gmdrm	hyper	CG	0.0333
Gm02	9531075	9531120	Gmdrm	hyper	CG	0.03
Gm02	9742621	9742808	Gmdrm	hyper	CG	0.0736
Gm02	9816241	9816321	Gmdrm	hyper	CG	0.038
Gm02	9899321	9899364	Gmdrm	hyper	CG	0.0483
Gm02	9937732	9937768	Gmdrm	hyper	CG	0.0717
Gm02	9972660	9972699	Gmdrm	hyper	CG	0.0317
Gm02	9989573	9989748	Gmdrm	hyper	CG	0.0567
Gm02	10284125	10284238	Gmdrm	hyper	CG	0.6617
Gm02	10361767	10362756	Gmdrm	hyper	CG	0.0332
Gm02	10559514	10559985	Gmdrm	hyper	CG	0.1315
Gm02	10767632	10767644	Gmdrm	hyper	CG	0.9633
Gm02	10842654	10842847	Gmdrm	hyper	CG	0.0729
Gm02	10846454	10846616	Gmdrm	hyper	CG	0.0686
Gm02	10918643	10918732	Gmdrm	hyper	CG	0.705
Gm02	11002829	11003007	Gmdrm	hyper	CG	0.064
Gm02	11057050	11057270	Gmdrm	hyper	CG	0.4691
Gm02	11125240	11125423	Gmdrm	hyper	CG	0.53
Gm02	11213243	11213430	Gmdrm	hyper	CG	0.0613
Gm02	11252278	11252340	Gmdrm	hyper	CG	0.0267
Gm02	11572823	11572898	Gmdrm	hyper	CG	0.84
Gm02	11579970	11580095	Gmdrm	hyper	CG	0.745
Gm02	11646509	11646520	Gmdrm	hyper	CG	0.5184
Gm02	11765874	11766008	Gmdrm	hyper	CG	0.65
Gm02	11878052	11878194	Gmdrm	hyper	CG	0.4833
Gm02	12018170	12018196	Gmdrm	hyper	CG	0.0483
Gm02	12127053	12127245	Gmdrm	hyper	CG	0.04
Gm02	12264147	12264230	Gmdrm	hyper	CG	0.042
Gm02	12277440	12277656	Gmdrm	hyper	CG	0.05
Gm02	12294911	12295099	Gmdrm	hyper	CG	0.03
Gm02	12295289	12295405	Gmdrm	hyper	CG	0.0188
Gm02	12600581	12600792	Gmdrm	hyper	CG	0.0708
Gm02	12642963	12643159	Gmdrm	hyper	CG	0.0637
Gm02	12675828	12675925	Gmdrm	hyper	CG	0.1757
Gm02	12693473	12693694	Gmdrm	hyper	CG	0.0406
Gm02	12783111	12783233	Gmdrm	hyper	CG	0.04
Gm02	12799766	12800493	Gmdrm	hyper	CG	0.0396
Gm02	12810868	12811585	Gmdrm	hyper	CG	0.0246

Gm02	12991690	12991766	Gmdrm	hyper	CG	0.734
Gm02	13034533	13034620	Gmdrm	hyper	CG	0.1
Gm02	13041750	13041834	Gmdrm	hyper	CG	0.6683
Gm02	13181205	13181313	Gmdrm	hyper	CG	0.0237
Gm02	13604791	13605038	Gmdrm	hyper	CG	0.1138
Gm02	14216789	14216886	Gmdrm	hyper	CG	0.686
Gm02	14244174	14244237	Gmdrm	hyper	CG	0.0338
Gm02	14331612	14331992	Gmdrm	hyper	CG	0.169
Gm02	14333240	14333380	Gmdrm	hyper	CG	0.7013
Gm02	14339456	14339612	Gmdrm	hyper	CG	0.04
Gm02	14435643	14435693	Gmdrm	hyper	CG	0.7
Gm02	14520468	14520500	Gmdrm	hyper	CG	0.055
Gm02	14566341	14566436	Gmdrm	hyper	CG	0.0336
Gm02	14621602	14621631	Gmdrm	hyper	CG	0.768
Gm02	14963528	14963619	Gmdrm	hyper	CG	0.6334
Gm02	15000105	15000160	Gmdrm	hyper	CG	1
Gm02	15145166	15145189	Gmdrm	hyper	CG	0.9583
Gm02	15157772	15157808	Gmdrm	hyper	CG	0.78
Gm02	15207172	15207271	Gmdrm	hyper	CG	0.12
Gm02	15372950	15372976	Gmdrm	hyper	CG	0.052
Gm02	15445205	15445292	Gmdrm	hyper	CG	0.612
Gm02	15581986	15581997	Gmdrm	hyper	CG	0.8683
Gm02	15667478	15667507	Gmdrm	hyper	CG	0.455
Gm02	15806571	15806633	Gmdrm	hyper	CG	0.07
Gm02	15866732	15867452	Gmdrm	hyper	CG	0.0263
Gm02	16285366	16285562	Gmdrm	hyper	CG	0.0317
Gm02	16519897	16520201	Gmdrm	hyper	CG	0.1318
Gm02	16527443	16527671	Gmdrm	hyper	CG	0.11
Gm02	16531946	16532148	Gmdrm	hyper	CG	0.0506
Gm02	16650578	16650910	Gmdrm	hyper	CG	0.0312
Gm02	16664654	16664990	Gmdrm	hyper	CG	0.0915
Gm02	16699517	16699551	Gmdrm	hyper	CG	0.0417
Gm02	16844537	16845537	Gmdrm	hyper	CG	0.0197
Gm02	16875347	16876283	Gmdrm	hyper	CG	0.0336
Gm02	17036879	17037403	Gmdrm	hyper	CG	0.0348
Gm02	17064110	17064697	Gmdrm	hyper	CG	0.0521
Gm02	17068858	17069005	Gmdrm	hyper	CG	0.06
Gm02	17439045	17439173	Gmdrm	hyper	CG	0.0643
Gm02	17566746	17566822	Gmdrm	hyper	CG	0.0601
Gm02	17793051	17793469	Gmdrm	hyper	CG	0.0446
Gm02	17916579	17916708	Gmdrm	hyper	CG	0.145
Gm02	17981370	17981888	Gmdrm	hyper	CG	0.0316
Gm02	18279107	18279229	Gmdrm	hyper	CG	0.1016
Gm02	18312923	18313042	Gmdrm	hyper	CG	0.0925
Gm02	18400702	18400870	Gmdrm	hyper	CG	0.0733
Gm02	18663177	18663722	Gmdrm	hyper	CG	0.0448

Gm02	18807839	18808088	Gmdrm	hyper	CG	0.0808
Gm02	18828789	18828852	Gmdrm	hyper	CG	0.075
Gm02	18984276	18984403	Gmdrm	hyper	CG	0.0837
Gm02	19328823	19329214	Gmdrm	hyper	CG	0.0397
Gm02	19379110	19379359	Gmdrm	hyper	CG	0.0755
Gm02	19419357	19420056	Gmdrm	hyper	CG	0.0336
Gm02	19469671	19470213	Gmdrm	hyper	CG	0.0317
Gm02	19500279	19500511	Gmdrm	hyper	CG	0.0547
Gm02	19550547	19551300	Gmdrm	hyper	CG	0.0478
Gm02	19722183	19722310	Gmdrm	hyper	CG	0.0444
Gm02	19917015	19917480	Gmdrm	hyper	CG	0.0562
Gm02	19963512	19964200	Gmdrm	hyper	CG	0.0396
Gm02	20155371	20155679	Gmdrm	hyper	CG	0.0463
Gm02	20287614	20287918	Gmdrm	hyper	CG	0.0316
Gm02	20344060	20344489	Gmdrm	hyper	CG	0.0429
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Gm02	21044881	21044946	Gmdrm	hyper	CG	0.188
Gm02	21227865	21228090	Gmdrm	hyper	CG	0.1708
Gm02	21245326	21246268	Gmdrm	hyper	CG	0.0327
Gm02	21292606	21292997	Gmdrm	hyper	CG	0.0307
Gm02	21412219	21412443	Gmdrm	hyper	CG	0.1
Gm02	21529930	21530112	Gmdrm	hyper	CG	0.0566
Gm02	21574639	21574765	Gmdrm	hyper	CG	0.085
Gm02	21630736	21631031	Gmdrm	hyper	CG	0.1196
Gm02	21688079	21688098	Gmdrm	hyper	CG	0.055
Gm02	21777389	21777580	Gmdrm	hyper	CG	0.078
Gm02	21787944	21788034	Gmdrm	hyper	CG	0.0278
Gm02	21834854	21834958	Gmdrm	hyper	CG	0.0934
Gm02	21845819	21846169	Gmdrm	hyper	CG	0.0485
Gm02	21909733	21910501	Gmdrm	hyper	CG	0.0312
Gm02	22022697	22023027	Gmdrm	hyper	CG	0.0266
Gm02	22102508	22102762	Gmdrm	hyper	CG	0.1307
Gm02	22126269	22126576	Gmdrm	hyper	CG	0.0654
Gm02	22131023	22131293	Gmdrm	hyper	CG	0.1182
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Gm02	22633923	22634030	Gmdrm	hyper	CG	0.0491
Gm02	22686687	22686727	Gmdrm	hyper	CG	0.03
Gm02	22691126	22691155	Gmdrm	hyper	CG	0.04
Gm02	22705568	22706077	Gmdrm	hyper	CG	0.018
Gm02	22996334	22996854	Gmdrm	hyper	CG	0.0166
Gm02	23284536	23284730	Gmdrm	hyper	CG	0.0667

Gm02	23551963	23552347	Gmdrm	hyper	CG	0.0308
Gm02	23558300	23558493	Gmdrm	hyper	CG	0.0388
Gm02	23784538	23784948	Gmdrm	hyper	CG	0.0423
Gm02	23874561	23874735	Gmdrm	hyper	CG	0.0593
Gm02	23877007	23877160	Gmdrm	hyper	CG	0.0774
Gm02	24240543	24240840	Gmdrm	hyper	CG	0.047
Gm02	24273875	24274022	Gmdrm	hyper	CG	0.0417
Gm02	24344081	24344342	Gmdrm	hyper	CG	0.0586
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Gm02	24524055	24524130	Gmdrm	hyper	CG	0.0688
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Gm02	24777985	24778130	Gmdrm	hyper	CG	0.0667
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Gm02	25008214	25008282	Gmdrm	hyper	CG	0.545
Gm02	25125741	25125780	Gmdrm	hyper	CG	0.066
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Gm02	25452364	25452621	Gmdrm	hyper	CG	0.0542
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Gm02	25712774	25713000	Gmdrm	hyper	CG	0.0493
Gm02	25809418	25809692	Gmdrm	hyper	CG	0.0437
Gm02	25845278	25845384	Gmdrm	hyper	CG	0.0667
Gm02	25973732	25974081	Gmdrm	hyper	CG	0.0617
Gm02	26131237	26131430	Gmdrm	hyper	CG	0.0461
Gm02	26150112	26150195	Gmdrm	hyper	CG	0.095
Gm02	26233531	26233716	Gmdrm	hyper	CG	0.0477
Gm02	26412284	26412411	Gmdrm	hyper	CG	0.0223
Gm02	26479116	26479586	Gmdrm	hyper	CG	0.0867
Gm02	26479825	26479895	Gmdrm	hyper	CG	0.1
Gm02	26506577	26506866	Gmdrm	hyper	CG	0.07
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Gm02	26734218	26734370	Gmdrm	hyper	CG	0.028
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Gm02	27082897	27083519	Gmdrm	hyper	CG	0.0356

Gm02	27092204	27092300	Gmdrm	hyper	CG	0.165
Gm02	27097119	27097916	Gmdrm	hyper	CG	0.0271
Gm02	27099302	27100226	Gmdrm	hyper	CG	0.0454
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Gm02	27243579	27243619	Gmdrm	hyper	CG	0.0671
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Gm02	27564609	27564800	Gmdrm	hyper	CG	0.138
Gm02	27770871	27770926	Gmdrm	hyper	CG	0.8025
Gm02	27772613	27772638	Gmdrm	hyper	CG	0.768
Gm02	27780388	27780486	Gmdrm	hyper	CG	0.082
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Gm02	28096631	28096778	Gmdrm	hyper	CG	0.135
Gm02	28396080	28396718	Gmdrm	hyper	CG	0.0426
Gm02	28459796	28459857	Gmdrm	hyper	CG	0.0667
Gm02	28517733	28518025	Gmdrm	hyper	CG	0.0635
Gm02	28755232	28755547	Gmdrm	hyper	CG	0.0392
Gm02	28921950	28922943	Gmdrm	hyper	CG	0.0231
Gm02	29047852	29048088	Gmdrm	hyper	CG	0.0489
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Gm02	29262128	29262215	Gmdrm	hyper	CG	0.0636
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Gm02	29379628	29379867	Gmdrm	hyper	CG	0.0346
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Gm02	29545342	29545383	Gmdrm	hyper	CG	0.032
Gm02	29608298	29608651	Gmdrm	hyper	CG	0.0329
Gm02	29678113	29678275	Gmdrm	hyper	CG	0.6666
Gm02	29688621	29688657	Gmdrm	hyper	CG	0.038
Gm02	30179245	30179332	Gmdrm	hyper	CG	0.385
Gm02	30323658	30323778	Gmdrm	hyper	CG	0.0625
Gm02	30332938	30332974	Gmdrm	hyper	CG	0.152
Gm02	30334067	30334215	Gmdrm	hyper	CG	0.0842
Gm02	30494173	30494410	Gmdrm	hyper	CG	0.0528
Gm02	30560813	30561407	Gmdrm	hyper	CG	0.0282
Gm02	30561518	30562127	Gmdrm	hyper	CG	0.0341
Gm02	30647876	30648129	Gmdrm	hyper	CG	0.0431
Gm02	30807743	30807829	Gmdrm	hyper	CG	0.0963
Gm02	30865809	30866070	Gmdrm	hyper	CG	0.1179
Gm02	31162354	31162600	Gmdrm	hyper	CG	0.0553

Gm02	31225157	31225296	Gmdrm	hyper	CG	0.7563
Gm02	31422931	31423631	Gmdrm	hyper	CG	0.0624
Gm02	31479456	31479583	Gmdrm	hyper	CG	0.0486
Gm02	31480969	31481162	Gmdrm	hyper	CG	0.0267
Gm02	31584187	31584197	Gmdrm	hyper	CG	0.0533
Gm02	31652902	31653046	Gmdrm	hyper	CG	0.1217
Gm02	31664574	31664678	Gmdrm	hyper	CG	0.5787
Gm02	31706439	31706546	Gmdrm	hyper	CG	0.052
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Gm02	31869854	31869887	Gmdrm	hyper	CG	0.085
Gm02	31903035	31903974	Gmdrm	hyper	CG	0.1566
Gm02	32014501	32014524	Gmdrm	hyper	CG	0.0766
Gm02	32020145	32020213	Gmdrm	hyper	CG	0.914
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Gm02	32052462	32052498	Gmdrm	hyper	CG	0.08
Gm02	32130965	32131117	Gmdrm	hyper	CG	0.1088
Gm02	32270392	32270506	Gmdrm	hyper	CG	0.0577
Gm02	32301847	32302036	Gmdrm	hyper	CG	0.0434
Gm02	32489531	32489794	Gmdrm	hyper	CG	0.0327
Gm02	32544474	32544618	Gmdrm	hyper	CG	0.077
Gm02	32603794	32603858	Gmdrm	hyper	CG	0.07
Gm02	32965999	32966045	Gmdrm	hyper	CG	0.0783
Gm02	33066032	33066041	Gmdrm	hyper	CG	0.65
Gm02	33129671	33129834	Gmdrm	hyper	CG	0.069
Gm02	33202474	33202592	Gmdrm	hyper	CG	0.6
Gm02	33372351	33372848	Gmdrm	hyper	CG	0.0177
Gm02	33547849	33548115	Gmdrm	hyper	CG	0.0364
Gm02	33720967	33721476	Gmdrm	hyper	CG	0.0305
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Gm02	34018204	34018624	Gmdrm	hyper	CG	0.0319
Gm02	34126579	34126635	Gmdrm	hyper	CG	0.0467
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Gm02	34324792	34325764	Gmdrm	hyper	CG	0.0377
Gm02	34336690	34336728	Gmdrm	hyper	CG	0.0817
Gm02	34394367	34394422	Gmdrm	hyper	CG	0.0426
Gm02	34555091	34555801	Gmdrm	hyper	CG	0.0192
Gm02	34579353	34579496	Gmdrm	hyper	CG	0.7074
Gm02	34638054	34638261	Gmdrm	hyper	CG	0.0651
Gm02	34730957	34731434	Gmdrm	hyper	CG	0.0319
Gm02	35024842	35025197	Gmdrm	hyper	CG	0.0495
Gm02	35045305	35045655	Gmdrm	hyper	CG	0.0683
Gm02	35065444	35065959	Gmdrm	hyper	CG	0.05
Gm02	35066106	35066162	Gmdrm	hyper	CG	0.1475
Gm02	35451025	35451097	Gmdrm	hyper	CG	0.138
Gm02	35492723	35492895	Gmdrm	hyper	CG	0.0791
Gm02	35548985	35549153	Gmdrm	hyper	CG	0.1357

Gm02	35576535	35576563	Gmdrm	hyper	CG	0.0734
Gm02	35629374	35629585	Gmdrm	hyper	CG	0.2575
Gm02	35635964	35636227	Gmdrm	hyper	CG	0.083
Gm02	35752455	35753027	Gmdrm	hyper	CG	0.0463
Gm02	35898800	35898906	Gmdrm	hyper	CG	0.0513
Gm02	36139362	36140029	Gmdrm	hyper	CG	0.0335
Gm02	36405410	36405505	Gmdrm	hyper	CG	0.0525
Gm02	36477728	36477876	Gmdrm	hyper	CG	0.04
Gm02	36800359	36800382	Gmdrm	hyper	CG	0.04
Gm02	36912624	36912746	Gmdrm	hyper	CG	0.108
Gm02	36970556	36970761	Gmdrm	hyper	CG	0.0416
Gm02	36998149	36998284	Gmdrm	hyper	CG	0.122
Gm02	37160154	37160473	Gmdrm	hyper	CG	0.0316
Gm02	37221025	37221142	Gmdrm	hyper	CG	0.0763
Gm02	37254894	37255297	Gmdrm	hyper	CG	0.0492
Gm02	37500984	37500999	Gmdrm	hyper	CG	0.0983
Gm02	37933164	37933185	Gmdrm	hyper	CG	0.0467
Gm02	38245067	38245284	Gmdrm	hyper	CG	0.05
Gm02	38359356	38359404	Gmdrm	hyper	CG	0.588
Gm02	38381606	38381735	Gmdrm	hyper	CG	0.054
Gm02	38591833	38591948	Gmdrm	hyper	CG	0.0473
Gm02	38629059	38629560	Gmdrm	hyper	CG	0.04
Gm02	39207411	39208340	Gmdrm	hyper	CG	0.0517
Gm02	39326744	39327112	Gmdrm	hyper	CG	0.0431
Gm02	39327635	39327965	Gmdrm	hyper	CG	0.032
Gm02	39380323	39380435	Gmdrm	hyper	CG	0.0611
Gm02	39409634	39409700	Gmdrm	hyper	CG	0.1975
Gm02	39417148	39417499	Gmdrm	hyper	CG	0.0282
Gm02	39432680	39432746	Gmdrm	hyper	CG	0.105
Gm02	39576355	39576489	Gmdrm	hyper	CG	0.0336
Gm02	39734789	39735062	Gmdrm	hyper	CG	0.0289
Gm02	39788170	39788419	Gmdrm	hyper	CG	0.0343
Gm02	39919751	39919818	Gmdrm	hyper	CG	0.0943
Gm02	40031960	40031992	Gmdrm	hyper	CG	0.0812
Gm02	40061568	40061652	Gmdrm	hyper	CG	0.0467
Gm02	40166812	40167080	Gmdrm	hyper	CG	0.04
Gm02	40182231	40182747	Gmdrm	hyper	CG	0.03
Gm02	40205411	40205518	Gmdrm	hyper	CG	0.0428
Gm02	40371079	40371137	Gmdrm	hyper	CG	0.7429
Gm02	40437583	40437843	Gmdrm	hyper	CG	0.032
Gm02	40514515	40514718	Gmdrm	hyper	CG	0.0283
Gm02	40634145	40634334	Gmdrm	hyper	CG	0.1071
Gm02	40702365	40702505	Gmdrm	hyper	CG	0.4045
Gm02	40767124	40767350	Gmdrm	hyper	CG	0.1586
Gm02	40768465	40768546	Gmdrm	hyper	CG	0.44
Gm02	40911957	40912055	Gmdrm	hyper	CG	0.772

Gm02	41009164	41009305	Gmdrm	hyper	CG	0.0586
Gm02	41091569	41091641	Gmdrm	hyper	CG	0.0467
Gm02	41125237	41125279	Gmdrm	hyper	CG	0.42
Gm02	41345193	41345283	Gmdrm	hyper	CG	0.0583
Gm02	41416954	41417044	Gmdrm	hyper	CG	0.04
Gm02	41603320	41603440	Gmdrm	hyper	CG	0.405
Gm02	41728111	41728241	Gmdrm	hyper	CG	0.968
Gm02	41860404	41860554	Gmdrm	hyper	CG	0.0272
Gm02	41891902	41892019	Gmdrm	hyper	CG	0.43
Gm02	41944983	41945038	Gmdrm	hyper	CG	0.5133
Gm02	41986876	41987087	Gmdrm	hyper	CG	0.0427
Gm02	42026234	42026347	Gmdrm	hyper	CG	0.9724
Gm02	42071113	42071157	Gmdrm	hyper	CG	0.684
Gm02	42173624	42173701	Gmdrm	hyper	CG	0.2872
Gm02	42250387	42250514	Gmdrm	hyper	CG	0.6466
Gm02	42275750	42275816	Gmdrm	hyper	CG	0.05
Gm02	42345020	42345086	Gmdrm	hyper	CG	0.2433
Gm02	42426242	42426552	Gmdrm	hyper	CG	0.2884
Gm02	42441451	42441545	Gmdrm	hyper	CG	0.068
Gm02	42613914	42614692	Gmdrm	hyper	CG	0.028
Gm02	42659722	42659863	Gmdrm	hyper	CG	0.042
Gm02	42697738	42697950	Gmdrm	hyper	CG	0.045
Gm02	42699948	42700197	Gmdrm	hyper	CG	0.291
Gm02	42922726	42922924	Gmdrm	hyper	CG	0.0782
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Gm02	42999080	42999132	Gmdrm	hyper	CG	0.806
Gm02	43030151	43030280	Gmdrm	hyper	CG	0.661
Gm02	43043668	43043714	Gmdrm	hyper	CG	0.3325
Gm02	43258593	43258783	Gmdrm	hyper	CG	0.3971
Gm02	43298146	43298234	Gmdrm	hyper	CG	0.052
Gm02	43314053	43314098	Gmdrm	hyper	CG	0.7688
Gm02	43342061	43342164	Gmdrm	hyper	CG	0.5567
Gm02	43355414	43355498	Gmdrm	hyper	CG	0.0443
Gm02	43553346	43553456	Gmdrm	hyper	CG	0.835
Gm02	43653110	43653137	Gmdrm	hyper	CG	0.742
Gm02	43882431	43882506	Gmdrm	hyper	CG	0.0412
Gm02	44131058	44131066	Gmdrm	hyper	CG	0.6566
Gm02	44249432	44249461	Gmdrm	hyper	CG	0.102
Gm02	44281612	44281638	Gmdrm	hyper	CG	0.61
Gm02	44328379	44328646	Gmdrm	hyper	CG	0.22
Gm02	44399289	44399540	Gmdrm	hyper	CG	0.4625
Gm02	44430137	44430153	Gmdrm	hyper	CG	0.2776
Gm02	44466346	44466421	Gmdrm	hyper	CG	0.7133
Gm02	44484593	44485445	Gmdrm	hyper	CG	0.0279
Gm02	44567362	44567418	Gmdrm	hyper	CG	0.865
Gm02	44978387	44978536	Gmdrm	hyper	CG	0.05

Gm02	45329330	45329546	Gmdrm	hyper	CG	0.4745
Gm02	45329928	45330153	Gmdrm	hyper	CG	0.0562
Gm02	45414358	45414390	Gmdrm	hyper	CG	0.9767
Gm02	45461972	45462053	Gmdrm	hyper	CG	0.044
Gm02	45795833	45796116	Gmdrm	hyper	CG	0.047
Gm02	45979607	45979788	Gmdrm	hyper	CG	0.6014
Gm02	46104056	46104223	Gmdrm	hyper	CG	0.0425
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Gm02	46307619	46307690	Gmdrm	hyper	CG	0.9184
Gm02	46625252	46625392	Gmdrm	hyper	CG	0.0367
Gm02	47267323	47267504	Gmdrm	hyper	CG	0.042
Gm02	47285398	47285456	Gmdrm	hyper	CG	0.0672
Gm02	47300609	47300656	Gmdrm	hyper	CG	0.675
Gm02	47502745	47503093	Gmdrm	hyper	CG	0.08
Gm02	48025428	48025696	Gmdrm	hyper	CG	0.2873
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Gm02	48193119	48193210	Gmdrm	hyper	CG	0.03
Gm02	48234666	48234757	Gmdrm	hyper	CG	0.75
Gm02	48246414	48246598	Gmdrm	hyper	CG	0.0575
Gm02	48423852	48424057	Gmdrm	hyper	CG	0.4266
Gm02	48449436	48449554	Gmdrm	hyper	CG	0.0443
Gm02	48466695	48466833	Gmdrm	hyper	CG	0.052
Gm02	48778998	48779012	Gmdrm	hyper	CG	0.04
Gm02	49078016	49078163	Gmdrm	hyper	CG	0.086
Gm02	49149670	49149813	Gmdrm	hyper	CG	0.093
Gm02	49248515	49248609	Gmdrm	hyper	CG	0.792
Gm02	49351799	49351896	Gmdrm	hyper	CG	0.056
Gm02	49352531	49352669	Gmdrm	hyper	CG	0.61
Gm02	49520134	49520220	Gmdrm	hyper	CG	0.042
Gm02	49753003	49753043	Gmdrm	hyper	CG	0.7014
Gm02	49863822	49863895	Gmdrm	hyper	CG	0.5988
Gm02	49864387	49864468	Gmdrm	hyper	CG	1
Gm02	49887779	49887794	Gmdrm	hyper	CG	0.9033
Gm02	49912360	49912409	Gmdrm	hyper	CG	0.424
Gm02	49991114	49991251	Gmdrm	hyper	CG	0.054
Gm02	50078265	50078386	Gmdrm	hyper	CG	0.308
Gm02	50134286	50134583	Gmdrm	hyper	CG	0.5482
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Gm02	50333982	50334407	Gmdrm	hyper	CG	0.0387
Gm03	36383	36407	Gmdrm	hyper	CG	0.9833
Gm03	67572	68561	Gmdrm	hyper	CG	0.0319
Gm03	85830	86132	Gmdrm	hyper	CG	0.5075
Gm03	92092	92374	Gmdrm	hyper	CG	0.2627
Gm03	98084	98222	Gmdrm	hyper	CG	0.09
Gm03	259411	259589	Gmdrm	hyper	CG	0.8455

Gm03	265617	265637	Gmdrm	hyper	CG	0.9033
Gm03	299189	299406	Gmdrm	hyper	CG	0.6673
Gm03	378901	378979	Gmdrm	hyper	CG	0.726
Gm03	424136	424166	Gmdrm	hyper	CG	0.9867
Gm03	520101	520656	Gmdrm	hyper	CG	0.2871
Gm03	544888	544931	Gmdrm	hyper	CG	0.7957
Gm03	548358	548441	Gmdrm	hyper	CG	0.0642
Gm03	993265	993308	Gmdrm	hyper	CG	0.5617
Gm03	1006271	1006397	Gmdrm	hyper	CG	0.6017
Gm03	1064800	1065058	Gmdrm	hyper	CG	0.0963
Gm03	1147013	1147051	Gmdrm	hyper	CG	0.597
Gm03	1152928	1153048	Gmdrm	hyper	CG	0.2617
Gm03	1171247	1171744	Gmdrm	hyper	CG	0.0311
Gm03	1718364	1718605	Gmdrm	hyper	CG	0.455
Gm03	1991530	1991607	Gmdrm	hyper	CG	0.886
Gm03	2021284	2021472	Gmdrm	hyper	CG	0.052
Gm03	2024285	2024477	Gmdrm	hyper	CG	0.67
Gm03	2130956	2131124	Gmdrm	hyper	CG	0.0263
Gm03	2182354	2182531	Gmdrm	hyper	CG	0.7157
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Gm03	2256123	2256765	Gmdrm	hyper	CG	0.0692
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Gm03	2634327	2634387	Gmdrm	hyper	CG	0.9017
Gm03	2685607	2685629	Gmdrm	hyper	CG	0.84
Gm03	2792910	2793055	Gmdrm	hyper	CG	0.4585
Gm03	2817632	2817828	Gmdrm	hyper	CG	0.391
Gm03	3025639	3025939	Gmdrm	hyper	CG	0.031
Gm03	3070114	3070127	Gmdrm	hyper	CG	0.9467
Gm03	3086365	3086943	Gmdrm	hyper	CG	0.0335
Gm03	3252210	3252229	Gmdrm	hyper	CG	0.804
Gm03	3351583	3351818	Gmdrm	hyper	CG	0.0518
Gm03	3693001	3693121	Gmdrm	hyper	CG	0.022
Gm03	3742550	3742685	Gmdrm	hyper	CG	0.1283
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Gm03	3855865	3855931	Gmdrm	hyper	CG	0.2338
Gm03	4017058	4017066	Gmdrm	hyper	CG	0.5317
Gm03	4062630	4062901	Gmdrm	hyper	CG	0.4439
Gm03	4241238	4241420	Gmdrm	hyper	CG	0.6638
Gm03	4263389	4264055	Gmdrm	hyper	CG	0.0204
Gm03	4309774	4309886	Gmdrm	hyper	CG	0.6267
Gm03	4311649	4311761	Gmdrm	hyper	CG	0.4175
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Gm03	4517749	4517894	Gmdrm	hyper	CG	0.0252
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Gm03	4983173	4983306	Gmdrm	hyper	CG	0.5354
Gm03	5068668	5068957	Gmdrm	hyper	CG	0.05
Gm03	5172621	5172691	Gmdrm	hyper	CG	0.0783
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Gm03	6394028	6394101	Gmdrm	hyper	CG	0.6138
Gm03	6409313	6409523	Gmdrm	hyper	CG	0.3767
Gm03	6593264	6593361	Gmdrm	hyper	CG	0.8514
Gm03	6623306	6624287	Gmdrm	hyper	CG	0.0189
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Gm03	6878656	6878950	Gmdrm	hyper	CG	0.0533
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Gm03	8524522	8524590	Gmdrm	hyper	CG	0.325
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Gm03	8934391	8934706	Gmdrm	hyper	CG	0.0642
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Gm03	10571194	10571284	Gmdrm	hyper	CG	0.0326

Gm03	10623767	10624403	Gmdrm	hyper	CG	0.0526
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Gm03	11397175	11397248	Gmdrm	hyper	CG	0.037
Gm03	11410637	11410728	Gmdrm	hyper	CG	0.0437
Gm03	11488058	11488260	Gmdrm	hyper	CG	0.128
Gm03	11581087	11581107	Gmdrm	hyper	CG	0.068
Gm03	11734323	11734628	Gmdrm	hyper	CG	0.055
Gm03	11782017	11782095	Gmdrm	hyper	CG	0.0671
Gm03	11859383	11859688	Gmdrm	hyper	CG	0.0543
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Gm03	12242295	12242464	Gmdrm	hyper	CG	0.1012
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Gm03	12275357	12275540	Gmdrm	hyper	CG	0.0933
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Gm03	12397865	12398570	Gmdrm	hyper	CG	0.0785
Gm03	12791897	12792068	Gmdrm	hyper	CG	0.105
Gm03	12957900	12958026	Gmdrm	hyper	CG	0.0586
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Gm03	13174073	13174259	Gmdrm	hyper	CG	0.0365
Gm03	13260631	13260910	Gmdrm	hyper	CG	0.1533
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Gm03	13290488	13290795	Gmdrm	hyper	CG	0.05
Gm03	13345274	13345894	Gmdrm	hyper	CG	0.0283
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Gm03	13618307	13618329	Gmdrm	hyper	CG	0.24
Gm03	13773444	13773463	Gmdrm	hyper	CG	0.132
Gm03	13776287	13776422	Gmdrm	hyper	CG	0.1011
Gm03	13787552	13788528	Gmdrm	hyper	CG	0.0352
Gm03	13891777	13892011	Gmdrm	hyper	CG	0.0573
Gm03	13969280	13969531	Gmdrm	hyper	CG	0.0427
Gm03	14036745	14037031	Gmdrm	hyper	CG	0.0194
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Gm03	14103887	14104887	Gmdrm	hyper	CG	0.0262
Gm03	14107013	14107067	Gmdrm	hyper	CG	0.975
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Gm03	14253345	14253553	Gmdrm	hyper	CG	0.0757
Gm03	14255933	14256035	Gmdrm	hyper	CG	0.0833

Gm03	14491160	14491430	Gmdrm	hyper	CG	0.0445
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Gm03	15055426	15055553	Gmdrm	hyper	CG	0.035
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Gm03	16068095	16068207	Gmdrm	hyper	CG	0.0389
Gm03	16389172	16389382	Gmdrm	hyper	CG	0.0967
Gm03	16449109	16449308	Gmdrm	hyper	CG	0.04
Gm03	16470948	16471020	Gmdrm	hyper	CG	0.054
Gm03	16733386	16733447	Gmdrm	hyper	CG	0.195
Gm03	16787894	16788108	Gmdrm	hyper	CG	0.0391
Gm03	16794747	16795039	Gmdrm	hyper	CG	0.2242
Gm03	17106999	17107110	Gmdrm	hyper	CG	0.063
Gm03	17120759	17120859	Gmdrm	hyper	CG	0.066
Gm03	17124997	17125130	Gmdrm	hyper	CG	0.08
Gm03	17278697	17278789	Gmdrm	hyper	CG	0.0708
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Gm03	17760691	17760774	Gmdrm	hyper	CG	0.918
Gm03	17784168	17784592	Gmdrm	hyper	CG	0.1081
Gm03	17900022	17900042	Gmdrm	hyper	CG	0.6667
Gm03	18061942	18062086	Gmdrm	hyper	CG	0.065
Gm03	18962845	18962990	Gmdrm	hyper	CG	0.0346
Gm03	19243036	19243199	Gmdrm	hyper	CG	0.0453
Gm03	19243307	19243382	Gmdrm	hyper	CG	0.0392
Gm03	19325558	19325689	Gmdrm	hyper	CG	0.0583
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Gm03	19690745	19690943	Gmdrm	hyper	CG	0.5828
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Gm03	19734736	19734899	Gmdrm	hyper	CG	0.0309
Gm03	19751651	19751753	Gmdrm	hyper	CG	0.5983
Gm03	19811527	19811684	Gmdrm	hyper	CG	0.06
Gm03	19876684	19876790	Gmdrm	hyper	CG	0.035
Gm03	19903759	19904055	Gmdrm	hyper	CG	0.355
Gm03	20030961	20031206	Gmdrm	hyper	CG	0.0263
Gm03	20279284	20279303	Gmdrm	hyper	CG	0.034
Gm03	20293511	20293678	Gmdrm	hyper	CG	0.04
Gm03	20365901	20366016	Gmdrm	hyper	CG	0.084
Gm03	20892729	20893266	Gmdrm	hyper	CG	0.037
Gm03	21168216	21168328	Gmdrm	hyper	CG	0.1572
Gm03	21209923	21209995	Gmdrm	hyper	CG	0.1367
Gm03	21252847	21253047	Gmdrm	hyper	CG	0.0534

Gm03	21294493	21294988	Gmdrm	hyper	CG	0.031
Gm03	21468280	21468392	Gmdrm	hyper	CG	0.1526
Gm03	21541333	21541391	Gmdrm	hyper	CG	0.055
Gm03	21584004	21584121	Gmdrm	hyper	CG	0.0683
Gm03	21659899	21660209	Gmdrm	hyper	CG	0.0575
Gm03	21730753	21730975	Gmdrm	hyper	CG	0.035
Gm03	21743297	21743746	Gmdrm	hyper	CG	0.039
Gm03	21754320	21754593	Gmdrm	hyper	CG	0.0527
Gm03	21811231	21811414	Gmdrm	hyper	CG	0.0625
Gm03	21821108	21821223	Gmdrm	hyper	CG	0.027
Gm03	21988501	21988627	Gmdrm	hyper	CG	0.1314
Gm03	22010812	22011039	Gmdrm	hyper	CG	0.1018
Gm03	22053437	22053715	Gmdrm	hyper	CG	0.0975
Gm03	22120902	22121415	Gmdrm	hyper	CG	0.0273
Gm03	22286692	22286945	Gmdrm	hyper	CG	0.1038
Gm03	22467714	22468126	Gmdrm	hyper	CG	0.0305
Gm03	22489673	22489759	Gmdrm	hyper	CG	0.9542
Gm03	22575849	22576091	Gmdrm	hyper	CG	0.054
Gm03	22577467	22577626	Gmdrm	hyper	CG	0.0443
Gm03	22618335	22618740	Gmdrm	hyper	CG	0.035
Gm03	22661396	22661626	Gmdrm	hyper	CG	0.0532
Gm03	22667696	22667781	Gmdrm	hyper	CG	0.1367
Gm03	22805475	22805532	Gmdrm	hyper	CG	0.1367
Gm03	22807801	22807922	Gmdrm	hyper	CG	0.0271
Gm03	22933942	22934111	Gmdrm	hyper	CG	0.0825
Gm03	22968430	22968894	Gmdrm	hyper	CG	0.0541
Gm03	23016386	23016487	Gmdrm	hyper	CG	0.0488
Gm03	23053521	23053661	Gmdrm	hyper	CG	0.0356
Gm03	23053820	23054022	Gmdrm	hyper	CG	0.07
Gm03	23168571	23168753	Gmdrm	hyper	CG	0.0557
Gm03	23187889	23187992	Gmdrm	hyper	CG	0.7617
Gm03	23197775	23198003	Gmdrm	hyper	CG	0.049
Gm03	23269335	23269435	Gmdrm	hyper	CG	0.054
Gm03	23411841	23412164	Gmdrm	hyper	CG	0.0434
Gm03	23436110	23436666	Gmdrm	hyper	CG	0.0514
Gm03	23490283	23490882	Gmdrm	hyper	CG	0.0357
Gm03	23610194	23611188	Gmdrm	hyper	CG	0.0267
Gm03	23612418	23613362	Gmdrm	hyper	CG	0.0435
Gm03	23613422	23613515	Gmdrm	hyper	CG	0.1033
Gm03	23696023	23696298	Gmdrm	hyper	CG	0.1008
Gm03	23698818	23699050	Gmdrm	hyper	CG	0.049
Gm03	24271477	24272267	Gmdrm	hyper	CG	0.0309
Gm03	24319208	24319297	Gmdrm	hyper	CG	0.074
Gm03	24345676	24345971	Gmdrm	hyper	CG	0.0363
Gm03	24504781	24505528	Gmdrm	hyper	CG	0.0131
Gm03	24560573	24560754	Gmdrm	hyper	CG	0.05

Gm03	24577398	24577564	Gmdrm	hyper	CG	0.8533
Gm03	24696225	24696567	Gmdrm	hyper	CG	0.042
Gm03	24914393	24914427	Gmdrm	hyper	CG	0.7285
Gm03	24936679	24936957	Gmdrm	hyper	CG	0.0477
Gm03	24950740	24951515	Gmdrm	hyper	CG	0.0392
Gm03	24965471	24965855	Gmdrm	hyper	CG	0.0385
Gm03	25151284	25151590	Gmdrm	hyper	CG	0.0516
Gm03	25212153	25212550	Gmdrm	hyper	CG	0.03
Gm03	25236526	25236701	Gmdrm	hyper	CG	0.0887
Gm03	25421347	25421701	Gmdrm	hyper	CG	0.0505
Gm03	25490632	25490753	Gmdrm	hyper	CG	0.0325
Gm03	25671757	25671835	Gmdrm	hyper	CG	0.0416
Gm03	25769867	25770023	Gmdrm	hyper	CG	0.0475
Gm03	25885282	25885511	Gmdrm	hyper	CG	0.0391
Gm03	25889551	25889686	Gmdrm	hyper	CG	0.124
Gm03	25999341	25999424	Gmdrm	hyper	CG	0.0425
Gm03	26127214	26127434	Gmdrm	hyper	CG	0.0822
Gm03	26130769	26130974	Gmdrm	hyper	CG	0.1071
Gm03	26137566	26137607	Gmdrm	hyper	CG	0.0914
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Gm03	26284237	26284537	Gmdrm	hyper	CG	0.0377
Gm03	26371831	26371989	Gmdrm	hyper	CG	0.04
Gm03	26692851	26693032	Gmdrm	hyper	CG	0.02
Gm03	26816902	26817069	Gmdrm	hyper	CG	0.0557
Gm03	26987469	26987646	Gmdrm	hyper	CG	0.053
Gm03	26987879	26987950	Gmdrm	hyper	CG	0.096
Gm03	27028044	27028391	Gmdrm	hyper	CG	0.0374
Gm03	27076710	27076830	Gmdrm	hyper	CG	0.102
Gm03	27103299	27103504	Gmdrm	hyper	CG	0.1694
Gm03	27197414	27197616	Gmdrm	hyper	CG	0.0454
Gm03	27200413	27200636	Gmdrm	hyper	CG	0.1363
Gm03	27333817	27333860	Gmdrm	hyper	CG	0.718
Gm03	27382112	27382153	Gmdrm	hyper	CG	0.0814
Gm03	27453368	27453486	Gmdrm	hyper	CG	0.1034
Gm03	27591714	27591933	Gmdrm	hyper	CG	0.0341
Gm03	27624879	27625110	Gmdrm	hyper	CG	0.044
Gm03	27900155	27900182	Gmdrm	hyper	CG	0.6783
Gm03	28058492	28058858	Gmdrm	hyper	CG	0.0606
Gm03	28173246	28173602	Gmdrm	hyper	CG	0.0431
Gm03	28315756	28315810	Gmdrm	hyper	CG	0.9767
Gm03	28316861	28316870	Gmdrm	hyper	CG	0.11
Gm03	28409718	28409831	Gmdrm	hyper	CG	0.0329
Gm03	28491830	28491922	Gmdrm	hyper	CG	0.09
Gm03	28556394	28556554	Gmdrm	hyper	CG	0.0683
Gm03	28852778	28852868	Gmdrm	hyper	CG	0.05
Gm03	28999602	28999885	Gmdrm	hyper	CG	0.0568

Gm03	29207891	29207941	Gmdrm	hyper	CG	0.048
Gm03	29392293	29392400	Gmdrm	hyper	CG	0.5867
Gm03	29583045	29583327	Gmdrm	hyper	CG	0.1146
Gm03	29690340	29690430	Gmdrm	hyper	CG	0.625
Gm03	29767424	29767616	Gmdrm	hyper	CG	0.0383
Gm03	29820461	29820519	Gmdrm	hyper	CG	0.674
Gm03	29831363	29831486	Gmdrm	hyper	CG	0.69
Gm03	29881936	29881995	Gmdrm	hyper	CG	0.0312
Gm03	29889259	29889296	Gmdrm	hyper	CG	0.915
Gm03	29894623	29894863	Gmdrm	hyper	CG	0.6806
Gm03	29917516	29917531	Gmdrm	hyper	CG	0.9267
Gm03	30111435	30111877	Gmdrm	hyper	CG	0.7371
Gm03	30159711	30160045	Gmdrm	hyper	CG	0.94
Gm03	30160236	30160358	Gmdrm	hyper	CG	0.97
Gm03	30202467	30202522	Gmdrm	hyper	CG	0.5943
Gm03	30204688	30204769	Gmdrm	hyper	CG	0.8208
Gm03	30209941	30210027	Gmdrm	hyper	CG	0.054
Gm03	30311164	30311438	Gmdrm	hyper	CG	0.0583
Gm03	30314336	30314933	Gmdrm	hyper	CG	0.0396
Gm03	30578129	30578348	Gmdrm	hyper	CG	0.9212
Gm03	30579183	30579608	Gmdrm	hyper	CG	0.7607
Gm03	30579916	30580044	Gmdrm	hyper	CG	0.925
Gm03	30580369	30580436	Gmdrm	hyper	CG	0.9888
Gm03	30698887	30699124	Gmdrm	hyper	CG	0.0409
Gm03	30730238	30730305	Gmdrm	hyper	CG	0.7834
Gm03	30731792	30731805	Gmdrm	hyper	CG	0.8567
Gm03	30910163	30910232	Gmdrm	hyper	CG	0.033
Gm03	31016681	31016821	Gmdrm	hyper	CG	0.1
Gm03	31087048	31087714	Gmdrm	hyper	CG	0.5724
Gm03	31113314	31113995	Gmdrm	hyper	CG	0.0581
Gm03	31161649	31162214	Gmdrm	hyper	CG	0.0177
Gm03	31198038	31198249	Gmdrm	hyper	CG	0.0343
Gm03	31201902	31202463	Gmdrm	hyper	CG	0.1227
Gm03	31268354	31268405	Gmdrm	hyper	CG	0.7334
Gm03	31268713	31268828	Gmdrm	hyper	CG	0.76
Gm03	31445600	31446065	Gmdrm	hyper	CG	0.9608
Gm03	31446192	31446302	Gmdrm	hyper	CG	0.9
Gm03	31480550	31480719	Gmdrm	hyper	CG	0.07
Gm03	31571571	31571614	Gmdrm	hyper	CG	0.0666
Gm03	31654666	31654991	Gmdrm	hyper	CG	0.029
Gm03	31658467	31658674	Gmdrm	hyper	CG	0.054
Gm03	31673795	31673847	Gmdrm	hyper	CG	0.97
Gm03	31674756	31674924	Gmdrm	hyper	CG	0.96
Gm03	31739272	31739392	Gmdrm	hyper	CG	0.9686
Gm03	31739762	31740047	Gmdrm	hyper	CG	0.9379
Gm03	31740227	31740271	Gmdrm	hyper	CG	0.95

Gm03	31764619	31764870	Gmdrm	hyper	CG	0.0508
Gm03	31948061	31948174	Gmdrm	hyper	CG	0.052
Gm03	31955640	31955669	Gmdrm	hyper	CG	0.065
Gm03	31999794	32000140	Gmdrm	hyper	CG	0.0253
Gm03	32002461	32002762	Gmdrm	hyper	CG	0.0373
Gm03	32122156	32122380	Gmdrm	hyper	CG	0.6012
Gm03	32294154	32294696	Gmdrm	hyper	CG	0.0368
Gm03	32315086	32315102	Gmdrm	hyper	CG	0.07
Gm03	32362415	32362496	Gmdrm	hyper	CG	0.718
Gm03	32389685	32389694	Gmdrm	hyper	CG	0.3334
Gm03	32395815	32396394	Gmdrm	hyper	CG	0.0346
Gm03	32463308	32463423	Gmdrm	hyper	CG	0.0522
Gm03	32469678	32469944	Gmdrm	hyper	CG	0.0507
Gm03	32497935	32498271	Gmdrm	hyper	CG	0.0517
Gm03	32504935	32505246	Gmdrm	hyper	CG	0.0406
Gm03	32619585	32619669	Gmdrm	hyper	CG	0.8014
Gm03	32848229	32849027	Gmdrm	hyper	CG	0.0216
Gm03	32923623	32923751	Gmdrm	hyper	CG	0.9912
Gm03	32980557	32980677	Gmdrm	hyper	CG	0.9799
Gm03	32980899	32981125	Gmdrm	hyper	CG	0.0447
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Gm03	33041597	33041921	Gmdrm	hyper	CG	0.488
Gm03	33107200	33107480	Gmdrm	hyper	CG	0.0669
Gm03	33320001	33320089	Gmdrm	hyper	CG	0.5038
Gm03	33329116	33329265	Gmdrm	hyper	CG	0.4918
Gm03	33347349	33347441	Gmdrm	hyper	CG	0.0513
Gm03	33381066	33381244	Gmdrm	hyper	CG	0.0386
Gm03	33684694	33684966	Gmdrm	hyper	CG	0.9875
Gm03	33712664	33712785	Gmdrm	hyper	CG	0.9
Gm03	33899962	33900438	Gmdrm	hyper	CG	0.9272
Gm03	33903968	33904065	Gmdrm	hyper	CG	0.73
Gm03	33987313	33987509	Gmdrm	hyper	CG	0.2464
Gm03	34015866	34015944	Gmdrm	hyper	CG	0.0484
Gm03	34060336	34060448	Gmdrm	hyper	CG	0.716
Gm03	34070505	34070767	Gmdrm	hyper	CG	0.9486
Gm03	34071239	34071374	Gmdrm	hyper	CG	0.935
Gm03	34071907	34072372	Gmdrm	hyper	CG	0.917
Gm03	34072746	34072947	Gmdrm	hyper	CG	0.929
Gm03	34073314	34073441	Gmdrm	hyper	CG	0.68
Gm03	34344105	34344123	Gmdrm	hyper	CG	0.96
Gm03	34400131	34400309	Gmdrm	hyper	CG	0.0687
Gm03	34473000	34473025	Gmdrm	hyper	CG	0.19
Gm03	34583735	34583817	Gmdrm	hyper	CG	0.9366
Gm03	34585411	34585500	Gmdrm	hyper	CG	0.955
Gm03	34585606	34586565	Gmdrm	hyper	CG	0.4771
Gm03	34721576	34721691	Gmdrm	hyper	CG	0.172

Gm03	34721984	34722032	Gmdrm	hyper	CG	0.91
Gm03	34830764	34830777	Gmdrm	hyper	CG	0.9367
Gm03	34848245	34848592	Gmdrm	hyper	CG	0.0283
Gm03	34973759	34973890	Gmdrm	hyper	CG	0.965
Gm03	34993926	34994272	Gmdrm	hyper	CG	0.1053
Gm03	35234825	35234920	Gmdrm	hyper	CG	0.9633
Gm03	35246426	35246715	Gmdrm	hyper	CG	0.105
Gm03	35484788	35484931	Gmdrm	hyper	CG	0.6686
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Gm03	35621737	35621749	Gmdrm	hyper	CG	0.695
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Gm03	35940201	35940317	Gmdrm	hyper	CG	0.5525
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Gm03	36841097	36841266	Gmdrm	hyper	CG	0.0688
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Gm03	37124223	37124303	Gmdrm	hyper	CG	0.03
Gm03	37179199	37179405	Gmdrm	hyper	CG	0.0345
Gm03	37212347	37212596	Gmdrm	hyper	CG	0.6383
Gm03	37271612	37271918	Gmdrm	hyper	CG	0.5394
Gm03	37289350	37289492	Gmdrm	hyper	CG	0.04
Gm03	37615460	37615631	Gmdrm	hyper	CG	0.6969
Gm03	37620217	37620457	Gmdrm	hyper	CG	0.3615
Gm03	37620620	37620660	Gmdrm	hyper	CG	0.312
Gm03	37620775	37621244	Gmdrm	hyper	CG	0.195
Gm03	37711221	37711370	Gmdrm	hyper	CG	0.313
Gm03	37727359	37727747	Gmdrm	hyper	CG	0.5742
Gm03	37763965	37764175	Gmdrm	hyper	CG	0.0589
Gm03	37826931	37826957	Gmdrm	hyper	CG	0.63
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Gm03	37881813	37881982	Gmdrm	hyper	CG	0.045
Gm03	38161816	38161940	Gmdrm	hyper	CG	0.034
Gm03	38325766	38325942	Gmdrm	hyper	CG	0.0715
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Gm03	38948829	38949103	Gmdrm	hyper	CG	0.0417
Gm03	39117737	39117816	Gmdrm	hyper	CG	0.0933
Gm03	39139578	39139652	Gmdrm	hyper	CG	0.12
Gm03	39168814	39168832	Gmdrm	hyper	CG	0.3
Gm03	39312852	39312956	Gmdrm	hyper	CG	0.7218
Gm03	39366106	39366119	Gmdrm	hyper	CG	0.3412
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Gm03	39738905	39738914	Gmdrm	hyper	CG	0.5734
Gm03	40025778	40025960	Gmdrm	hyper	CG	0.04
Gm03	40033676	40033803	Gmdrm	hyper	CG	0.37
Gm03	40238013	40238200	Gmdrm	hyper	CG	0.6138
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Gm03	40387597	40387719	Gmdrm	hyper	CG	0.4983
Gm03	40391401	40391472	Gmdrm	hyper	CG	0.6067
Gm03	40605853	40605934	Gmdrm	hyper	CG	0.064
Gm03	40781541	40781691	Gmdrm	hyper	CG	0.7057
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Gm03	41117238	41117322	Gmdrm	hyper	CG	0.0709
Gm03	41151450	41151692	Gmdrm	hyper	CG	0.0357
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Gm03	41557483	41557910	Gmdrm	hyper	CG	0.0844
Gm03	41773418	41773515	Gmdrm	hyper	CG	0.0317
Gm03	41797568	41797587	Gmdrm	hyper	CG	0.166
Gm03	41849443	41849553	Gmdrm	hyper	CG	0.03
Gm03	41990088	41990191	Gmdrm	hyper	CG	0.0467
Gm03	42084364	42084673	Gmdrm	hyper	CG	0.0308
Gm03	42118284	42118533	Gmdrm	hyper	CG	0.0383
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Gm03	42253015	42253207	Gmdrm	hyper	CG	0.651
Gm03	42273478	42273567	Gmdrm	hyper	CG	0.108
Gm03	42634032	42634098	Gmdrm	hyper	CG	0.754
Gm03	42657753	42657777	Gmdrm	hyper	CG	0.268
Gm03	42672040	42672155	Gmdrm	hyper	CG	0.044
Gm03	42717660	42717771	Gmdrm	hyper	CG	0.246
Gm03	42804640	42804861	Gmdrm	hyper	CG	0.0531
Gm03	43281393	43281521	Gmdrm	hyper	CG	0.3466
Gm03	43323954	43324085	Gmdrm	hyper	CG	0.05
Gm03	43518793	43518971	Gmdrm	hyper	CG	0.097
Gm03	43687303	43687360	Gmdrm	hyper	CG	0.9817
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Gm03	43784481	43784933	Gmdrm	hyper	CG	0.08
Gm03	43802612	43802769	Gmdrm	hyper	CG	0.046
Gm03	43885361	43885437	Gmdrm	hyper	CG	0.06
Gm03	43948194	43948387	Gmdrm	hyper	CG	0.7545
Gm03	44102103	44102269	Gmdrm	hyper	CG	0.05
Gm03	44372934	44373188	Gmdrm	hyper	CG	0.0313

Gm03	44550188	44550310	Gmdrm	hyper	CG	0.0477
Gm03	44618406	44618609	Gmdrm	hyper	CG	0.036
Gm03	44660929	44660959	Gmdrm	hyper	CG	0.055
Gm03	44987687	44987718	Gmdrm	hyper	CG	0.8483
Gm03	45223311	45223444	Gmdrm	hyper	CG	0.044
Gm03	45319935	45319951	Gmdrm	hyper	CG	0.085
Gm03	45533125	45533338	Gmdrm	hyper	CG	0.0257
Gm03	45711348	45711415	Gmdrm	hyper	CG	0.39
Gm03	45862238	45862373	Gmdrm	hyper	CG	0.6417
Gm03	46430749	46430997	Gmdrm	hyper	CG	0.0354
Gm03	46437383	46437606	Gmdrm	hyper	CG	0.044
Gm03	46478972	46479075	Gmdrm	hyper	CG	0.035
Gm03	46511497	46511581	Gmdrm	hyper	CG	0.7434
Gm03	46570748	46571080	Gmdrm	hyper	CG	0.0565
Gm03	46664227	46664377	Gmdrm	hyper	CG	0.0371
Gm03	46690914	46691193	Gmdrm	hyper	CG	0.5616
Gm03	46894975	46895015	Gmdrm	hyper	CG	0.0363
Gm04	530911	531018	Gmdrm	hyper	CG	0.0472
Gm04	611589	611759	Gmdrm	hyper	CG	0.04
Gm04	618884	619209	Gmdrm	hyper	CG	0.0229
Gm04	731799	731933	Gmdrm	hyper	CG	0.0633
Gm04	897715	897797	Gmdrm	hyper	CG	0.9437
Gm04	905896	906192	Gmdrm	hyper	CG	0.0471
Gm04	987195	987284	Gmdrm	hyper	CG	0.038
Gm04	1022330	1022556	Gmdrm	hyper	CG	0.034
Gm04	1036292	1036564	Gmdrm	hyper	CG	0.0462
Gm04	1039541	1039678	Gmdrm	hyper	CG	0.0311
Gm04	1157531	1157622	Gmdrm	hyper	CG	0.7
Gm04	1259839	1259988	Gmdrm	hyper	CG	0.5864
Gm04	1425816	1426002	Gmdrm	hyper	CG	0.0393
Gm04	1497149	1497272	Gmdrm	hyper	CG	0.5771
Gm04	1530999	1531251	Gmdrm	hyper	CG	0.0517
Gm04	1696862	1697135	Gmdrm	hyper	CG	0.0609
Gm04	1809780	1810031	Gmdrm	hyper	CG	0.0357
Gm04	1855816	1856005	Gmdrm	hyper	CG	0.035
Gm04	2095191	2095469	Gmdrm	hyper	CG	0.1478
Gm04	2153860	2154082	Gmdrm	hyper	CG	0.066
Gm04	2167056	2167118	Gmdrm	hyper	CG	0.6062
Gm04	2339860	2340048	Gmdrm	hyper	CG	0.0584
Gm04	2394140	2394158	Gmdrm	hyper	CG	0.756
Gm04	2637944	2638066	Gmdrm	hyper	CG	0.065
Gm04	2679773	2679788	Gmdrm	hyper	CG	0.032
Gm04	2740819	2740883	Gmdrm	hyper	CG	0.744
Gm04	2823936	2824015	Gmdrm	hyper	CG	0.94
Gm04	2930176	2930434	Gmdrm	hyper	CG	0.0301
Gm04	2985623	2985720	Gmdrm	hyper	CG	0.0443

Gm04	2998388	2998578	Gmdrm	hyper	CG	0.04
Gm04	3031649	3031661	Gmdrm	hyper	CG	0.8767
Gm04	3089958	3090178	Gmdrm	hyper	CG	0.3428
Gm04	3435330	3435473	Gmdrm	hyper	CG	0.0272
Gm04	3437022	3437224	Gmdrm	hyper	CG	0.165
Gm04	3712579	3712859	Gmdrm	hyper	CG	0.0488
Gm04	3729255	3729288	Gmdrm	hyper	CG	0.0617
Gm04	3737544	3737830	Gmdrm	hyper	CG	0.0443
Gm04	4123043	4123208	Gmdrm	hyper	CG	0.535
Gm04	4352032	4352249	Gmdrm	hyper	CG	0.0357
Gm04	4407316	4407554	Gmdrm	hyper	CG	0.09
Gm04	4543057	4543162	Gmdrm	hyper	CG	0.76
Gm04	4553716	4553841	Gmdrm	hyper	CG	0.6134
Gm04	4615748	4615848	Gmdrm	hyper	CG	0.06
Gm04	4990231	4990300	Gmdrm	hyper	CG	0.034
Gm04	5010967	5011092	Gmdrm	hyper	CG	0.036
Gm04	5116968	5117159	Gmdrm	hyper	CG	0.0413
Gm04	5151309	5151392	Gmdrm	hyper	CG	0.0475
Gm04	5256439	5256546	Gmdrm	hyper	CG	0.72
Gm04	5351245	5351382	Gmdrm	hyper	CG	0.8557
Gm04	5672887	5673016	Gmdrm	hyper	CG	0.06
Gm04	5716863	5716906	Gmdrm	hyper	CG	0.9867
Gm04	5820782	5821198	Gmdrm	hyper	CG	0.036
Gm04	5833284	5833402	Gmdrm	hyper	CG	0.045
Gm04	5865364	5865449	Gmdrm	hyper	CG	0.0984
Gm04	5899556	5899631	Gmdrm	hyper	CG	0.0833
Gm04	6137112	6137345	Gmdrm	hyper	CG	0.0778
Gm04	6176447	6176744	Gmdrm	hyper	CG	0.1996
Gm04	6226983	6227017	Gmdrm	hyper	CG	0.34
Gm04	6282863	6282878	Gmdrm	hyper	CG	0.538
Gm04	6453571	6453754	Gmdrm	hyper	CG	0.0475
Gm04	6585537	6585716	Gmdrm	hyper	CG	0.9638
Gm04	6702939	6703040	Gmdrm	hyper	CG	0.0558
Gm04	6751995	6752154	Gmdrm	hyper	CG	0.0625
Gm04	6790305	6790573	Gmdrm	hyper	CG	0.036
Gm04	6798708	6798918	Gmdrm	hyper	CG	0.0312
Gm04	6872318	6872477	Gmdrm	hyper	CG	0.794
Gm04	6872969	6872988	Gmdrm	hyper	CG	0.776
Gm04	6881661	6881920	Gmdrm	hyper	CG	0.2444
Gm04	6995883	6995951	Gmdrm	hyper	CG	0.5585
Gm04	7102406	7102491	Gmdrm	hyper	CG	0.034
Gm04	7111530	7111636	Gmdrm	hyper	CG	0.58
Gm04	7200408	7200656	Gmdrm	hyper	CG	0.0443
Gm04	7219381	7219522	Gmdrm	hyper	CG	0.0333
Gm04	7242491	7242648	Gmdrm	hyper	CG	0.046
Gm04	7329046	7329110	Gmdrm	hyper	CG	0.0567

Gm04	7378475	7378631	Gmdrm	hyper	CG	0.065
Gm04	7408416	7408544	Gmdrm	hyper	CG	0.768
Gm04	7460682	7460785	Gmdrm	hyper	CG	0.038
Gm04	7508914	7509064	Gmdrm	hyper	CG	0.521
Gm04	7588236	7588318	Gmdrm	hyper	CG	0.0231
Gm04	7592321	7592467	Gmdrm	hyper	CG	0.8534
Gm04	7669803	7669871	Gmdrm	hyper	CG	0.136
Gm04	7706838	7707037	Gmdrm	hyper	CG	0.0554
Gm04	7725237	7725842	Gmdrm	hyper	CG	0.737
Gm04	7770272	7770616	Gmdrm	hyper	CG	0.8547
Gm04	7780918	7780988	Gmdrm	hyper	CG	0.0617
Gm04	7965714	7966126	Gmdrm	hyper	CG	0.04
Gm04	7979853	7980052	Gmdrm	hyper	CG	0.305
Gm04	8047036	8047590	Gmdrm	hyper	CG	0.0667
Gm04	8058299	8058994	Gmdrm	hyper	CG	0.0418
Gm04	8334151	8334218	Gmdrm	hyper	CG	0.642
Gm04	8356228	8356248	Gmdrm	hyper	CG	0.724
Gm04	8628231	8628533	Gmdrm	hyper	CG	0.0977
Gm04	8683810	8683864	Gmdrm	hyper	CG	0.09
Gm04	8853708	8853928	Gmdrm	hyper	CG	0.0301
Gm04	9192369	9192653	Gmdrm	hyper	CG	0.0355
Gm04	9290521	9290563	Gmdrm	hyper	CG	0.2
Gm04	9562921	9563153	Gmdrm	hyper	CG	0.0533
Gm04	9580934	9581039	Gmdrm	hyper	CG	0.0862
Gm04	9681927	9682098	Gmdrm	hyper	CG	0.034
Gm04	9991548	9991634	Gmdrm	hyper	CG	0.1717
Gm04	10021144	10021322	Gmdrm	hyper	CG	0.0533
Gm04	10055617	10055714	Gmdrm	hyper	CG	0.75
Gm04	10058698	10058799	Gmdrm	hyper	CG	0.1014
Gm04	10123879	10123970	Gmdrm	hyper	CG	0.0737
Gm04	10124649	10124918	Gmdrm	hyper	CG	0.0231
Gm04	10142898	10142976	Gmdrm	hyper	CG	0.62
Gm04	10214679	10215005	Gmdrm	hyper	CG	0.0452
Gm04	10331688	10331813	Gmdrm	hyper	CG	0.084
Gm04	10508247	10508281	Gmdrm	hyper	CG	0.1171
Gm04	10682171	10682638	Gmdrm	hyper	CG	0.0157
Gm04	10685201	10685509	Gmdrm	hyper	CG	0.0606
Gm04	10702347	10702712	Gmdrm	hyper	CG	0.0305
Gm04	10721815	10721937	Gmdrm	hyper	CG	0.0475
Gm04	10787017	10787511	Gmdrm	hyper	CG	0.0323
Gm04	10892588	10892738	Gmdrm	hyper	CG	0.055
Gm04	10910034	10910080	Gmdrm	hyper	CG	0.032
Gm04	11002647	11002763	Gmdrm	hyper	CG	0.0667
Gm04	11140126	11140278	Gmdrm	hyper	CG	0.038
Gm04	11170323	11170434	Gmdrm	hyper	CG	0.042
Gm04	11402510	11402725	Gmdrm	hyper	CG	0.071

Gm04	11477467	11477576	Gmdrm	hyper	CG	0.0475
Gm04	11515696	11515757	Gmdrm	hyper	CG	0.0694
Gm04	12161876	12161911	Gmdrm	hyper	CG	0.039
Gm04	12166920	12167083	Gmdrm	hyper	CG	0.062
Gm04	12243063	12243105	Gmdrm	hyper	CG	0.3137
Gm04	12255862	12256083	Gmdrm	hyper	CG	0.0455
Gm04	12352445	12352465	Gmdrm	hyper	CG	0.9167
Gm04	12468422	12468667	Gmdrm	hyper	CG	0.0317
Gm04	12533796	12533916	Gmdrm	hyper	CG	0.04
Gm04	12594237	12594275	Gmdrm	hyper	CG	0.8916
Gm04	12637961	12638118	Gmdrm	hyper	CG	0.0533
Gm04	12671979	12672096	Gmdrm	hyper	CG	0.07
Gm04	12702800	12702925	Gmdrm	hyper	CG	0.0573
Gm04	12889310	12889597	Gmdrm	hyper	CG	0.0622
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Gm04	12932190	12932209	Gmdrm	hyper	CG	0.63
Gm04	12936347	12936549	Gmdrm	hyper	CG	0.0882
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Gm04	13078522	13078629	Gmdrm	hyper	CG	0.142
Gm04	13083741	13084301	Gmdrm	hyper	CG	0.0459
Gm04	13227178	13228175	Gmdrm	hyper	CG	0.0379
Gm04	13312141	13312174	Gmdrm	hyper	CG	0.06
Gm04	13387371	13387641	Gmdrm	hyper	CG	0.0483
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Gm04	13960859	13960934	Gmdrm	hyper	CG	0.0333
Gm04	13961369	13961513	Gmdrm	hyper	CG	0.5701
Gm04	13977004	13977118	Gmdrm	hyper	CG	0.114
Gm04	14060890	14061380	Gmdrm	hyper	CG	0.0273
Gm04	14104721	14104810	Gmdrm	hyper	CG	0.042
Gm04	14414846	14415322	Gmdrm	hyper	CG	0.0548
Gm04	14564989	14565480	Gmdrm	hyper	CG	0.0413
Gm04	14567125	14567230	Gmdrm	hyper	CG	0.0663
Gm04	14597868	14598368	Gmdrm	hyper	CG	0.0405
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Gm04	14866601	14866701	Gmdrm	hyper	CG	0.05
Gm04	14870223	14870259	Gmdrm	hyper	CG	0.1067
Gm04	14928552	14928691	Gmdrm	hyper	CG	0.0425
Gm04	14928814	14928844	Gmdrm	hyper	CG	0.055
Gm04	14994650	14994752	Gmdrm	hyper	CG	0.644
Gm04	15097938	15098599	Gmdrm	hyper	CG	0.0382
Gm04	15242217	15242293	Gmdrm	hyper	CG	0.064
Gm04	15394680	15394709	Gmdrm	hyper	CG	0.0433
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Gm04	15626776	15626856	Gmdrm	hyper	CG	0.0666

Gm04	15678601	15678783	Gmdrm	hyper	CG	0.0583
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Gm04	15971255	15971339	Gmdrm	hyper	CG	0.0567
Gm04	15986783	15986885	Gmdrm	hyper	CG	0.0783
Gm04	16029757	16029941	Gmdrm	hyper	CG	0.0494
Gm04	16265500	16265575	Gmdrm	hyper	CG	0.138
Gm04	16332026	16332155	Gmdrm	hyper	CG	0.05
Gm04	16535266	16535476	Gmdrm	hyper	CG	0.0484
Gm04	16651114	16651214	Gmdrm	hyper	CG	0.2979
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Gm04	16849147	16849333	Gmdrm	hyper	CG	0.091
Gm04	16855997	16856622	Gmdrm	hyper	CG	0.1242
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Gm04	17361574	17361937	Gmdrm	hyper	CG	0.0522
Gm04	17420221	17420745	Gmdrm	hyper	CG	0.0463
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Gm04	17641147	17641213	Gmdrm	hyper	CG	0.732
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Gm04	17914383	17914549	Gmdrm	hyper	CG	0.05
Gm04	18014069	18014234	Gmdrm	hyper	CG	0.0235
Gm04	18015954	18016030	Gmdrm	hyper	CG	0.1013
Gm04	18056394	18056531	Gmdrm	hyper	CG	0.79
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Gm04	18156031	18156536	Gmdrm	hyper	CG	0.0273
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Gm04	18202080	18202158	Gmdrm	hyper	CG	0.1057
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Gm04	19126727	19127618	Gmdrm	hyper	CG	0.0545
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Gm04	19366828	19367526	Gmdrm	hyper	CG	0.0483
Gm04	19405267	19405476	Gmdrm	hyper	CG	0.0633
Gm04	19593055	19593132	Gmdrm	hyper	CG	0.0633
Gm04	19831155	19831741	Gmdrm	hyper	CG	0.0396
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Gm04	19994329	19994344	Gmdrm	hyper	CG	0.0517
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Gm04	20127269	20127510	Gmdrm	hyper	CG	0.0425

Gm04	20342107	20342396	Gmdrm	hyper	CG	0.0296
Gm04	20354832	20354967	Gmdrm	hyper	CG	0.0259
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Gm04	20632514	20633024	Gmdrm	hyper	CG	0.0237
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Gm04	20963858	20963951	Gmdrm	hyper	CG	0.0486
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Gm04	21318868	21319026	Gmdrm	hyper	CG	0.0617
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Gm04	21403514	21404095	Gmdrm	hyper	CG	0.0218
Gm04	21473619	21473732	Gmdrm	hyper	CG	0.136
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Gm04	21643707	21644191	Gmdrm	hyper	CG	0.0387
Gm04	21846150	21846183	Gmdrm	hyper	CG	0.0512
Gm04	22143638	22143750	Gmdrm	hyper	CG	0.0417
Gm04	22300430	22300736	Gmdrm	hyper	CG	0.0584
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Gm04	22884127	22884172	Gmdrm	hyper	CG	0.8867
Gm04	22919174	22919219	Gmdrm	hyper	CG	0.9583
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Gm04	23055656	23056080	Gmdrm	hyper	CG	0.0835
Gm04	23057221	23057337	Gmdrm	hyper	CG	0.1333
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Gm04	23128845	23129113	Gmdrm	hyper	CG	0.0486
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Gm04	23268503	23268586	Gmdrm	hyper	CG	0.0484
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Gm04	23557830	23558065	Gmdrm	hyper	CG	0.145
Gm04	23716218	23716333	Gmdrm	hyper	CG	0.16
Gm04	23871837	23872090	Gmdrm	hyper	CG	0.0673
Gm04	24306937	24307317	Gmdrm	hyper	CG	0.0662
Gm04	24380637	24380726	Gmdrm	hyper	CG	0.0285
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Gm04	24711697	24711863	Gmdrm	hyper	CG	0.0558
Gm04	24774271	24774862	Gmdrm	hyper	CG	0.033
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Gm04	24847771	24847888	Gmdrm	hyper	CG	0.085
Gm04	25018773	25018963	Gmdrm	hyper	CG	0.05
Gm04	25036720	25036928	Gmdrm	hyper	CG	0.0426
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Gm04	26037122	26038009	Gmdrm	hyper	CG	0.0386
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Gm04	26309492	26309684	Gmdrm	hyper	CG	0.1411
Gm04	26394446	26394729	Gmdrm	hyper	CG	0.04
Gm04	26429332	26429806	Gmdrm	hyper	CG	0.0257
Gm04	26608854	26608962	Gmdrm	hyper	CG	0.06
Gm04	26635177	26636172	Gmdrm	hyper	CG	0.0305
Gm04	26637890	26638885	Gmdrm	hyper	CG	0.0299
Gm04	26666360	26667342	Gmdrm	hyper	CG	0.0212
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Gm04	26735956	26736260	Gmdrm	hyper	CG	0.0532
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Gm04	26896369	26897358	Gmdrm	hyper	CG	0.0209
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Gm04	26996018	26996328	Gmdrm	hyper	CG	0.0646
Gm04	27015201	27015298	Gmdrm	hyper	CG	0.1317
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Gm04	27604098	27604260	Gmdrm	hyper	CG	0.0331
Gm04	27612275	27612416	Gmdrm	hyper	CG	0.0618
Gm04	27695284	27695558	Gmdrm	hyper	CG	0.0443
Gm04	27697802	27698123	Gmdrm	hyper	CG	0.0433
Gm04	27779676	27780341	Gmdrm	hyper	CG	0.0356
Gm04	27789530	27789717	Gmdrm	hyper	CG	0.076
Gm04	27846806	27846974	Gmdrm	hyper	CG	0.0675
Gm04	27869515	27869596	Gmdrm	hyper	CG	0.1389
Gm04	27885491	27885559	Gmdrm	hyper	CG	0.1717
Gm04	27926401	27926619	Gmdrm	hyper	CG	0.0405
Gm04	28053452	28053743	Gmdrm	hyper	CG	0.0457
Gm04	28138166	28138273	Gmdrm	hyper	CG	0.056
Gm04	28241231	28241389	Gmdrm	hyper	CG	0.0419
Gm04	28462683	28462801	Gmdrm	hyper	CG	0.0609
Gm04	28476832	28476989	Gmdrm	hyper	CG	0.0372
Gm04	28741383	28741584	Gmdrm	hyper	CG	0.0809

Gm04	28852698	28853600	Gmdrm	hyper	CG	0.0345
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Gm04	28966570	28967234	Gmdrm	hyper	CG	0.0331
Gm04	28999248	28999419	Gmdrm	hyper	CG	0.7557
Gm04	29124586	29124896	Gmdrm	hyper	CG	0.2407
Gm04	29209063	29209106	Gmdrm	hyper	CG	0.065
Gm04	29320908	29321482	Gmdrm	hyper	CG	0.08
Gm04	29336729	29337032	Gmdrm	hyper	CG	0.0829
Gm04	29392041	29392059	Gmdrm	hyper	CG	0.06
Gm04	29459653	29460308	Gmdrm	hyper	CG	0.0432
Gm04	29463076	29463282	Gmdrm	hyper	CG	0.1473
Gm04	29496914	29497351	Gmdrm	hyper	CG	0.0186
Gm04	29518172	29518210	Gmdrm	hyper	CG	0.1217
Gm04	29665688	29666069	Gmdrm	hyper	CG	0.0235
Gm04	29679746	29680040	Gmdrm	hyper	CG	0.0663
Gm04	30210600	30211242	Gmdrm	hyper	CG	0.041
Gm04	30223609	30223681	Gmdrm	hyper	CG	0.05
Gm04	30280077	30280129	Gmdrm	hyper	CG	0.112
Gm04	30435712	30436691	Gmdrm	hyper	CG	0.0312
Gm04	30478491	30478957	Gmdrm	hyper	CG	0.0671
Gm04	30609533	30610257	Gmdrm	hyper	CG	0.0263
Gm04	30633826	30634110	Gmdrm	hyper	CG	0.0407
Gm04	30928811	30929136	Gmdrm	hyper	CG	0.0745
Gm04	30944434	30944588	Gmdrm	hyper	CG	0.036
Gm04	31197035	31198034	Gmdrm	hyper	CG	0.0311
Gm04	31215650	31215989	Gmdrm	hyper	CG	0.0454
Gm04	31255519	31255657	Gmdrm	hyper	CG	0.0375
Gm04	31265613	31266018	Gmdrm	hyper	CG	0.0575
Gm04	32009744	32009868	Gmdrm	hyper	CG	0.062
Gm04	32226029	32226258	Gmdrm	hyper	CG	0.0231
Gm04	32382570	32382782	Gmdrm	hyper	CG	0.1171
Gm04	32441143	32441226	Gmdrm	hyper	CG	0.58
Gm04	32910222	32910616	Gmdrm	hyper	CG	0.079
Gm04	32923303	32923437	Gmdrm	hyper	CG	0.057
Gm04	33126116	33126174	Gmdrm	hyper	CG	0.0588
Gm04	33128601	33128734	Gmdrm	hyper	CG	0.065
Gm04	33254558	33254632	Gmdrm	hyper	CG	0.1117
Gm04	33327160	33327255	Gmdrm	hyper	CG	0.1356
Gm04	33379955	33380300	Gmdrm	hyper	CG	0.0287
Gm04	33503965	33504054	Gmdrm	hyper	CG	0.055
Gm04	33616914	33617461	Gmdrm	hyper	CG	0.0519
Gm04	34070400	34070854	Gmdrm	hyper	CG	0.0689
Gm04	34093858	34093975	Gmdrm	hyper	CG	0.0463
Gm04	34118745	34118899	Gmdrm	hyper	CG	0.0487
Gm04	34237024	34237366	Gmdrm	hyper	CG	0.0407
Gm04	34322482	34322877	Gmdrm	hyper	CG	0.0874

Gm04	34412344	34412563	Gmdrm	hyper	CG	0.0425
Gm04	34428927	34429088	Gmdrm	hyper	CG	0.0473
Gm04	34457912	34457999	Gmdrm	hyper	CG	0.172
Gm04	34513501	34513752	Gmdrm	hyper	CG	0.04
Gm04	34574663	34575215	Gmdrm	hyper	CG	0.0498
Gm04	34616438	34617436	Gmdrm	hyper	CG	0.0318
Gm04	34665780	34666655	Gmdrm	hyper	CG	0.0276
Gm04	34689523	34689633	Gmdrm	hyper	CG	0.047
Gm04	34778460	34778491	Gmdrm	hyper	CG	0.042
Gm04	34933318	34933395	Gmdrm	hyper	CG	0.054
Gm04	35007368	35007712	Gmdrm	hyper	CG	0.0817
Gm04	35328039	35328155	Gmdrm	hyper	CG	0.768
Gm04	35352131	35352208	Gmdrm	hyper	CG	0.562
Gm04	35361390	35361515	Gmdrm	hyper	CG	0.7012
Gm04	35440228	35440267	Gmdrm	hyper	CG	0.476
Gm04	35613715	35613942	Gmdrm	hyper	CG	0.0509
Gm04	35648419	35648855	Gmdrm	hyper	CG	0.0343
Gm04	35732310	35732762	Gmdrm	hyper	CG	0.0718
Gm04	35766410	35766550	Gmdrm	hyper	CG	0.0437
Gm04	35942937	35943000	Gmdrm	hyper	CG	0.1691
Gm04	35981334	35981621	Gmdrm	hyper	CG	0.0588
Gm04	36042774	36043024	Gmdrm	hyper	CG	0.0371
Gm04	36222982	36223333	Gmdrm	hyper	CG	0.0691
Gm04	36349221	36349369	Gmdrm	hyper	CG	0.045
Gm04	36349771	36349808	Gmdrm	hyper	CG	0.054
Gm04	36408108	36408238	Gmdrm	hyper	CG	0.0633
Gm04	36584421	36584674	Gmdrm	hyper	CG	0.026
Gm04	36741008	36741071	Gmdrm	hyper	CG	0.064
Gm04	36789810	36789899	Gmdrm	hyper	CG	0.1129
Gm04	36794574	36794702	Gmdrm	hyper	CG	0.1501
Gm04	36862996	36863206	Gmdrm	hyper	CG	0.085
Gm04	36989207	36989420	Gmdrm	hyper	CG	0.047
Gm04	36997419	36997488	Gmdrm	hyper	CG	0.062
Gm04	37146497	37147262	Gmdrm	hyper	CG	0.0281
Gm04	37272715	37273710	Gmdrm	hyper	CG	0.0192
Gm04	37276141	37276251	Gmdrm	hyper	CG	0.1157
Gm04	37374659	37374730	Gmdrm	hyper	CG	0.9033
Gm04	37387555	37387734	Gmdrm	hyper	CG	0.0422
Gm04	37392100	37392246	Gmdrm	hyper	CG	0.04
Gm04	37436228	37436419	Gmdrm	hyper	CG	0.0355
Gm04	37462537	37462681	Gmdrm	hyper	CG	0.734
Gm04	37504782	37504851	Gmdrm	hyper	CG	0.035
Gm04	37740305	37740422	Gmdrm	hyper	CG	0.045
Gm04	38115783	38115971	Gmdrm	hyper	CG	0.0482
Gm04	38122569	38122699	Gmdrm	hyper	CG	0.0512
Gm04	38164143	38164249	Gmdrm	hyper	CG	0.1166

Gm04	38407817	38407920	Gmdrm	hyper	CG	0.0467
Gm04	38429600	38430115	Gmdrm	hyper	CG	0.0193
Gm04	38605765	38605889	Gmdrm	hyper	CG	0.0675
Gm04	38665717	38665761	Gmdrm	hyper	CG	0.485
Gm04	38860324	38860477	Gmdrm	hyper	CG	0.5367
Gm04	39105451	39105529	Gmdrm	hyper	CG	0.0475
Gm04	39154424	39154578	Gmdrm	hyper	CG	0.0763
Gm04	39181265	39181646	Gmdrm	hyper	CG	0.0321
Gm04	39210627	39210906	Gmdrm	hyper	CG	0.0409
Gm04	39372258	39372862	Gmdrm	hyper	CG	0.0429
Gm04	39399415	39399609	Gmdrm	hyper	CG	0.034
Gm04	39419204	39419598	Gmdrm	hyper	CG	0.0174
Gm04	39460462	39460482	Gmdrm	hyper	CG	0.6117
Gm04	39467303	39467367	Gmdrm	hyper	CG	0.964
Gm04	39487396	39487495	Gmdrm	hyper	CG	0.0525
Gm04	39510235	39510459	Gmdrm	hyper	CG	0.0509
Gm04	39569602	39569619	Gmdrm	hyper	CG	0.0637
Gm04	39807193	39807573	Gmdrm	hyper	CG	0.0654
Gm04	39822841	39823166	Gmdrm	hyper	CG	0.0579
Gm04	39892009	39892217	Gmdrm	hyper	CG	0.0343
Gm04	39959192	39959425	Gmdrm	hyper	CG	0.0421
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Gm04	40056443	40056669	Gmdrm	hyper	CG	0.0773
Gm04	40112358	40112516	Gmdrm	hyper	CG	0.768
Gm04	40433672	40434647	Gmdrm	hyper	CG	0.0297
Gm04	40567442	40567621	Gmdrm	hyper	CG	0.094
Gm04	40647844	40647991	Gmdrm	hyper	CG	0.055
Gm04	40864570	40864719	Gmdrm	hyper	CG	0.0386
Gm04	41224204	41224384	Gmdrm	hyper	CG	0.0527
Gm04	41316466	41316586	Gmdrm	hyper	CG	0.1629
Gm04	41584220	41584273	Gmdrm	hyper	CG	0.5488
Gm04	41609947	41610020	Gmdrm	hyper	CG	0.0475
Gm04	41773146	41773330	Gmdrm	hyper	CG	0.0725
Gm04	41891964	41892235	Gmdrm	hyper	CG	0.0557
Gm04	41980005	41980056	Gmdrm	hyper	CG	0.0513
Gm04	42028320	42028553	Gmdrm	hyper	CG	0.0454
Gm04	42029209	42029765	Gmdrm	hyper	CG	0.0307
Gm04	42356950	42357060	Gmdrm	hyper	CG	0.0492
Gm04	42450820	42450951	Gmdrm	hyper	CG	0.0833
Gm04	42585925	42586053	Gmdrm	hyper	CG	0.0388
Gm04	42595587	42595945	Gmdrm	hyper	CG	0.0385
Gm04	42641162	42641438	Gmdrm	hyper	CG	0.0437
Gm04	42696047	42696174	Gmdrm	hyper	CG	0.0525
Gm04	43078671	43078918	Gmdrm	hyper	CG	0.78
Gm04	43215486	43216059	Gmdrm	hyper	CG	0.026

Gm04	43234766	43234842	Gmdrm	hyper	CG	0.0466
Gm04	43403610	43403715	Gmdrm	hyper	CG	0.0388
Gm04	43497483	43497713	Gmdrm	hyper	CG	0.032
Gm04	43540190	43540429	Gmdrm	hyper	CG	0.0367
Gm04	43548034	43548099	Gmdrm	hyper	CG	0.5125
Gm04	43595858	43595928	Gmdrm	hyper	CG	0.05
Gm04	43650643	43650793	Gmdrm	hyper	CG	0.0467
Gm04	43807830	43808020	Gmdrm	hyper	CG	0.6633
Gm04	44012480	44012653	Gmdrm	hyper	CG	0.929
Gm04	44142257	44142441	Gmdrm	hyper	CG	0.21
Gm04	44170417	44170561	Gmdrm	hyper	CG	0.04
Gm04	44177123	44177570	Gmdrm	hyper	CG	0.5
Gm04	44288157	44288247	Gmdrm	hyper	CG	0.085
Gm04	44358181	44358302	Gmdrm	hyper	CG	0.8837
Gm04	44501758	44501853	Gmdrm	hyper	CG	0.068
Gm04	44744543	44744638	Gmdrm	hyper	CG	0.03
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Gm04	45161090	45161151	Gmdrm	hyper	CG	0.0275
Gm04	45166560	45166655	Gmdrm	hyper	CG	0.756
Gm04	45329848	45329878	Gmdrm	hyper	CG	0.1483
Gm04	45345907	45345945	Gmdrm	hyper	CG	0.3845
Gm04	45350978	45351023	Gmdrm	hyper	CG	0.0342
Gm04	45381400	45381468	Gmdrm	hyper	CG	0.7162
Gm04	45475553	45475633	Gmdrm	hyper	CG	0.0333
Gm04	45489925	45490921	Gmdrm	hyper	CG	0.0366
Gm04	45522794	45523023	Gmdrm	hyper	CG	0.0362
Gm04	45554472	45554500	Gmdrm	hyper	CG	0.9567
Gm04	45652866	45652920	Gmdrm	hyper	CG	0.0433
Gm04	45682440	45682618	Gmdrm	hyper	CG	0.581
Gm04	45774030	45774064	Gmdrm	hyper	CG	0.25
Gm04	45916266	45916362	Gmdrm	hyper	CG	0.0484
Gm04	46185085	46185290	Gmdrm	hyper	CG	0.1538
Gm04	46192577	46192672	Gmdrm	hyper	CG	0.786
Gm04	46390056	46390076	Gmdrm	hyper	CG	0.0533
Gm04	46446806	46446928	Gmdrm	hyper	CG	0.056
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Gm04	47183504	47183656	Gmdrm	hyper	CG	0.287
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Gm04	48003196	48003263	Gmdrm	hyper	CG	0.7762
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Gm04	48347982	48348106	Gmdrm	hyper	CG	0.0567
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Gm04	48653624	48653694	Gmdrm	hyper	CG	0.532
Gm04	49171288	49171384	Gmdrm	hyper	CG	0.5812
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Gm04	49372633	49372754	Gmdrm	hyper	CG	0.61
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Gm05	277138	277402	Gmdrm	hyper	CG	0.4072
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Gm05	338239	339042	Gmdrm	hyper	CG	0.037
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Gm05	2273261	2273351	Gmdrm	hyper	CG	0.92
Gm05	2359125	2359149	Gmdrm	hyper	CG	0.6217
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Gm05	2557043	2557222	Gmdrm	hyper	CG	0.1075
Gm05	2560580	2560843	Gmdrm	hyper	CG	0.085
Gm05	2729662	2730149	Gmdrm	hyper	CG	0.378
Gm05	2742880	2742902	Gmdrm	hyper	CG	0.04
Gm05	2881643	2881752	Gmdrm	hyper	CG	0.0367
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Gm05	3072797	3072904	Gmdrm	hyper	CG	0.4963
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Gm05	3807736	3807876	Gmdrm	hyper	CG	0.042
Gm05	3932744	3932848	Gmdrm	hyper	CG	0.0778
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Gm05	4017714	4017897	Gmdrm	hyper	CG	0.948
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Gm05	5025680	5025819	Gmdrm	hyper	CG	0.07
Gm05	5107985	5108135	Gmdrm	hyper	CG	0.0629
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Gm05	6343490	6343564	Gmdrm	hyper	CG	0.0483
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Gm05	7341653	7341747	Gmdrm	hyper	CG	0.0514
Gm05	7417482	7417605	Gmdrm	hyper	CG	0.0818
Gm05	7481894	7482503	Gmdrm	hyper	CG	0.0297
Gm05	7490280	7490420	Gmdrm	hyper	CG	0.7743
Gm05	7672215	7672267	Gmdrm	hyper	CG	0.185
Gm05	7689254	7689479	Gmdrm	hyper	CG	0.0482
Gm05	7790367	7790652	Gmdrm	hyper	CG	0.0455
Gm05	7793210	7793343	Gmdrm	hyper	CG	0.096
Gm05	7832274	7832656	Gmdrm	hyper	CG	0.061
Gm05	7864257	7864468	Gmdrm	hyper	CG	0.0488
Gm05	7931512	7931719	Gmdrm	hyper	CG	0.0942
Gm05	7954303	7954465	Gmdrm	hyper	CG	0.07
Gm05	7966521	7966578	Gmdrm	hyper	CG	0.046
Gm05	8049471	8049550	Gmdrm	hyper	CG	0.0587
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Gm05	8300258	8301073	Gmdrm	hyper	CG	0.0379
Gm05	8491571	8491886	Gmdrm	hyper	CG	0.0422
Gm05	8492560	8492743	Gmdrm	hyper	CG	0.0814
Gm05	8584961	8585015	Gmdrm	hyper	CG	0.9325
Gm05	8619975	8620272	Gmdrm	hyper	CG	0.0534
Gm05	8687782	8687877	Gmdrm	hyper	CG	0.875
Gm05	8688018	8688141	Gmdrm	hyper	CG	0.9275
Gm05	8810671	8810766	Gmdrm	hyper	CG	0.1222
Gm05	8823659	8823780	Gmdrm	hyper	CG	0.0583
Gm05	9164065	9164648	Gmdrm	hyper	CG	0.0314
Gm05	9190689	9190864	Gmdrm	hyper	CG	0.0729
Gm05	9417889	9417917	Gmdrm	hyper	CG	0.06
Gm05	9581240	9581443	Gmdrm	hyper	CG	0.0266
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Gm05	9814508	9814865	Gmdrm	hyper	CG	0.0322
Gm05	9888505	9888537	Gmdrm	hyper	CG	0.05
Gm05	10062351	10062900	Gmdrm	hyper	CG	0.4094
Gm05	10114329	10114359	Gmdrm	hyper	CG	0.4583
Gm05	10185250	10185361	Gmdrm	hyper	CG	0.052
Gm05	10361066	10361265	Gmdrm	hyper	CG	0.0609
Gm05	10425052	10425397	Gmdrm	hyper	CG	0.0531
Gm05	10530182	10530391	Gmdrm	hyper	CG	0.0521
Gm05	10541830	10542065	Gmdrm	hyper	CG	0.0752
Gm05	10574352	10574414	Gmdrm	hyper	CG	0.714
Gm05	10577507	10577603	Gmdrm	hyper	CG	0.055
Gm05	10787565	10787909	Gmdrm	hyper	CG	0.0308

Gm05	10980033	10980139	Gmdrm	hyper	CG	0.0683
Gm05	11115048	11115069	Gmdrm	hyper	CG	0.0651
Gm05	11397148	11397776	Gmdrm	hyper	CG	0.0322
Gm05	11504667	11504752	Gmdrm	hyper	CG	0.786
Gm05	11539918	11540491	Gmdrm	hyper	CG	0.0221
Gm05	11548794	11549434	Gmdrm	hyper	CG	0.0284
Gm05	11624419	11624876	Gmdrm	hyper	CG	0.0465
Gm05	11737558	11737783	Gmdrm	hyper	CG	0.1112
Gm05	11744098	11744598	Gmdrm	hyper	CG	0.0603
Gm05	11753759	11754164	Gmdrm	hyper	CG	0.145
Gm05	11776682	11776769	Gmdrm	hyper	CG	0.146
Gm05	11882948	11883322	Gmdrm	hyper	CG	0.0538
Gm05	11883444	11884123	Gmdrm	hyper	CG	0.033
Gm05	12243119	12243265	Gmdrm	hyper	CG	0.0857
Gm05	12372321	12372872	Gmdrm	hyper	CG	0.0607
Gm05	12419420	12420029	Gmdrm	hyper	CG	0.0673
Gm05	12599245	12599389	Gmdrm	hyper	CG	0.1125
Gm05	12599498	12599555	Gmdrm	hyper	CG	0.132
Gm05	12614745	12614881	Gmdrm	hyper	CG	0.1177
Gm05	12672270	12672387	Gmdrm	hyper	CG	0.0618
Gm05	12815379	12815969	Gmdrm	hyper	CG	0.0484
Gm05	12816297	12816367	Gmdrm	hyper	CG	0.055
Gm05	12953636	12953798	Gmdrm	hyper	CG	0.0914
Gm05	12994117	12994320	Gmdrm	hyper	CG	0.0563
Gm05	13184731	13184815	Gmdrm	hyper	CG	0.1134
Gm05	13543740	13543941	Gmdrm	hyper	CG	0.1258
Gm05	13629528	13629674	Gmdrm	hyper	CG	0.03
Gm05	13654315	13654602	Gmdrm	hyper	CG	0.1013
Gm05	13792804	13793223	Gmdrm	hyper	CG	0.0969
Gm05	13841630	13841821	Gmdrm	hyper	CG	0.06
Gm05	13861091	13861466	Gmdrm	hyper	CG	0.0583
Gm05	13911024	13911401	Gmdrm	hyper	CG	0.0662
Gm05	14019613	14020237	Gmdrm	hyper	CG	0.0251
Gm05	14216546	14216662	Gmdrm	hyper	CG	0.2
Gm05	14246246	14246423	Gmdrm	hyper	CG	0.0643
Gm05	14313827	14313918	Gmdrm	hyper	CG	0.0414
Gm05	14480462	14481059	Gmdrm	hyper	CG	0.0346
Gm05	14823847	14824358	Gmdrm	hyper	CG	0.0558
Gm05	14962501	14962619	Gmdrm	hyper	CG	0.09
Gm05	14962909	14963022	Gmdrm	hyper	CG	0.0929
Gm05	15033715	15033934	Gmdrm	hyper	CG	0.0562
Gm05	15346079	15346215	Gmdrm	hyper	CG	0.0886
Gm05	15436973	15437144	Gmdrm	hyper	CG	0.0657
Gm05	15444084	15444366	Gmdrm	hyper	CG	0.03
Gm05	15515633	15515720	Gmdrm	hyper	CG	0.66
Gm05	15644564	15645134	Gmdrm	hyper	CG	0.0384

Gm05	15713621	15713923	Gmdrm	hyper	CG	0.0352
Gm05	15848767	15848894	Gmdrm	hyper	CG	0.06
Gm05	16063842	16063909	Gmdrm	hyper	CG	0.108
Gm05	16103535	16103730	Gmdrm	hyper	CG	0.0511
Gm05	16160771	16160847	Gmdrm	hyper	CG	0.0537
Gm05	16170039	16171025	Gmdrm	hyper	CG	0.041
Gm05	16238072	16238458	Gmdrm	hyper	CG	0.0579
Gm05	16543143	16543795	Gmdrm	hyper	CG	0.0266
Gm05	16795922	16796260	Gmdrm	hyper	CG	0.0371
Gm05	16800681	16801526	Gmdrm	hyper	CG	0.03
Gm05	16825999	16826013	Gmdrm	hyper	CG	0.5667
Gm05	17070717	17071384	Gmdrm	hyper	CG	0.0433
Gm05	17112700	17113131	Gmdrm	hyper	CG	0.0545
Gm05	17135171	17135304	Gmdrm	hyper	CG	0.042
Gm05	17143572	17143722	Gmdrm	hyper	CG	0.0318
Gm05	17145602	17145773	Gmdrm	hyper	CG	0.0488
Gm05	17383373	17383456	Gmdrm	hyper	CG	0.045
Gm05	17408699	17408816	Gmdrm	hyper	CG	0.024
Gm05	17477944	17478000	Gmdrm	hyper	CG	0.1
Gm05	17619355	17619504	Gmdrm	hyper	CG	0.0417
Gm05	17688927	17689408	Gmdrm	hyper	CG	0.0397
Gm05	17778720	17778939	Gmdrm	hyper	CG	0.0729
Gm05	17790572	17791075	Gmdrm	hyper	CG	0.0395
Gm05	17865800	17865992	Gmdrm	hyper	CG	0.0956
Gm05	18002749	18002952	Gmdrm	hyper	CG	0.053
Gm05	18189716	18189963	Gmdrm	hyper	CG	0.0706
Gm05	18285800	18286428	Gmdrm	hyper	CG	0.0672
Gm05	18445341	18445413	Gmdrm	hyper	CG	0.055
Gm05	18496392	18496445	Gmdrm	hyper	CG	0.156
Gm05	18669269	18669384	Gmdrm	hyper	CG	0.094
Gm05	18703739	18703793	Gmdrm	hyper	CG	0.2
Gm05	18847255	18847468	Gmdrm	hyper	CG	0.0583
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Gm05	18966594	18966766	Gmdrm	hyper	CG	0.0543
Gm05	19197963	19198552	Gmdrm	hyper	CG	0.0422
Gm05	19218412	19218489	Gmdrm	hyper	CG	0.035
Gm05	19226195	19226415	Gmdrm	hyper	CG	0.1138
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Gm05	19468124	19468151	Gmdrm	hyper	CG	0.638
Gm05	19551899	19552216	Gmdrm	hyper	CG	0.0528
Gm05	19578045	19578190	Gmdrm	hyper	CG	0.118
Gm05	19602583	19603303	Gmdrm	hyper	CG	0.0579
Gm05	19633871	19634285	Gmdrm	hyper	CG	0.0463
Gm05	19739227	19739447	Gmdrm	hyper	CG	0.0534
Gm05	19859338	19859753	Gmdrm	hyper	CG	0.0432
Gm05	19963892	19964051	Gmdrm	hyper	CG	0.0583

Gm05	20028640	20028777	Gmdrm	hyper	CG	0.0543
Gm05	20089313	20089570	Gmdrm	hyper	CG	0.0533
Gm05	20097162	20097212	Gmdrm	hyper	CG	0.9233
Gm05	20237427	20237541	Gmdrm	hyper	CG	0.0818
Gm05	20587618	20587820	Gmdrm	hyper	CG	0.0388
Gm05	20643828	20644780	Gmdrm	hyper	CG	0.0324
Gm05	20772472	20772581	Gmdrm	hyper	CG	0.1071
Gm05	21235696	21235765	Gmdrm	hyper	CG	0.056
Gm05	21283713	21283768	Gmdrm	hyper	CG	0.0637
Gm05	21477100	21477451	Gmdrm	hyper	CG	0.106
Gm05	21605331	21605488	Gmdrm	hyper	CG	0.0425
Gm05	21614189	21614555	Gmdrm	hyper	CG	0.0294
Gm05	21617800	21618228	Gmdrm	hyper	CG	0.0391
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Gm05	21729544	21729828	Gmdrm	hyper	CG	0.072
Gm05	21989540	21989644	Gmdrm	hyper	CG	0.0533
Gm05	21990614	21990708	Gmdrm	hyper	CG	0.9183
Gm05	22215400	22215623	Gmdrm	hyper	CG	0.123
Gm05	22261620	22261886	Gmdrm	hyper	CG	0.015
Gm05	22339896	22340100	Gmdrm	hyper	CG	0.048
Gm05	22340783	22341401	Gmdrm	hyper	CG	0.0648
Gm05	22416662	22417660	Gmdrm	hyper	CG	0.0464
Gm05	22481662	22481812	Gmdrm	hyper	CG	0.1661
Gm05	22588213	22588610	Gmdrm	hyper	CG	0.0744
Gm05	22921632	22921798	Gmdrm	hyper	CG	0.1427
Gm05	22981185	22981865	Gmdrm	hyper	CG	0.0455
Gm05	23141371	23141992	Gmdrm	hyper	CG	0.0318
Gm05	23293669	23293968	Gmdrm	hyper	CG	0.0745
Gm05	23351135	23351475	Gmdrm	hyper	CG	0.141
Gm05	23437042	23437435	Gmdrm	hyper	CG	0.0221
Gm05	23443926	23443991	Gmdrm	hyper	CG	0.036
Gm05	23656755	23656784	Gmdrm	hyper	CG	0.054
Gm05	23760392	23760565	Gmdrm	hyper	CG	0.07
Gm05	23841019	23841432	Gmdrm	hyper	CG	0.074
Gm05	24004263	24004276	Gmdrm	hyper	CG	0.0667
Gm05	24057868	24057952	Gmdrm	hyper	CG	0.045
Gm05	24098039	24098234	Gmdrm	hyper	CG	0.0782
Gm05	24177048	24177222	Gmdrm	hyper	CG	0.0463
Gm05	24202441	24202565	Gmdrm	hyper	CG	0.0588
Gm05	24352926	24353063	Gmdrm	hyper	CG	0.036
Gm05	24461145	24461168	Gmdrm	hyper	CG	0.04
Gm05	24515825	24515970	Gmdrm	hyper	CG	0.0508
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Gm05	24554415	24554908	Gmdrm	hyper	CG	0.622
Gm05	24740394	24740559	Gmdrm	hyper	CG	0.06
Gm05	24842342	24842448	Gmdrm	hyper	CG	0.1182
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Gm05	25210990	25211227	Gmdrm	hyper	CG	0.059
Gm05	25336485	25336658	Gmdrm	hyper	CG	0.0687
Gm05	25523628	25523676	Gmdrm	hyper	CG	0.8183
Gm05	25747272	25747523	Gmdrm	hyper	CG	0.0489
Gm05	25755779	25756296	Gmdrm	hyper	CG	0.0623
Gm05	25839193	25839337	Gmdrm	hyper	CG	0.0423
Gm05	25888883	25889364	Gmdrm	hyper	CG	0.0262
Gm05	26344931	26345188	Gmdrm	hyper	CG	0.0488
Gm05	26564566	26564628	Gmdrm	hyper	CG	0.12
Gm05	26751664	26751780	Gmdrm	hyper	CG	0.0734
Gm05	26837346	26837798	Gmdrm	hyper	CG	0.0269
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Gm05	27276898	27277677	Gmdrm	hyper	CG	0.0438
Gm05	27278903	27279019	Gmdrm	hyper	CG	0.1012
Gm05	27294718	27294788	Gmdrm	hyper	CG	0.0562
Gm05	27304984	27305095	Gmdrm	hyper	CG	0.065
Gm05	27375270	27375446	Gmdrm	hyper	CG	0.0344
Gm05	27394503	27394919	Gmdrm	hyper	CG	0.4317
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Gm05	27978890	27979039	Gmdrm	hyper	CG	0.1018
Gm05	28259114	28259490	Gmdrm	hyper	CG	0.0653
Gm05	28432923	28433288	Gmdrm	hyper	CG	0.0389
Gm05	28582410	28582515	Gmdrm	hyper	CG	0.0317
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Gm05	29131844	29132027	Gmdrm	hyper	CG	0.0588
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Gm05	29256589	29256764	Gmdrm	hyper	CG	0.0612
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Gm05	31426703	31426859	Gmdrm	hyper	CG	0.0756
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Gm05	32026707	32026988	Gmdrm	hyper	CG	0.0586
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Gm05	36657749	36657960	Gmdrm	hyper	CG	0.0523
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Gm05	38323232	38323287	Gmdrm	hyper	CG	0.742
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Gm05	38525350	38525383	Gmdrm	hyper	CG	0.5767
Gm05	38827349	38827412	Gmdrm	hyper	CG	0.042
Gm05	38886690	38886898	Gmdrm	hyper	CG	0.055
Gm05	38933213	38933369	Gmdrm	hyper	CG	0.0571
Gm05	38962642	38963189	Gmdrm	hyper	CG	0.0378
Gm05	39023141	39023369	Gmdrm	hyper	CG	0.4375
Gm05	39287765	39287845	Gmdrm	hyper	CG	0.156
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Gm05	39421490	39421503	Gmdrm	hyper	CG	0.712
Gm05	39440323	39440406	Gmdrm	hyper	CG	0.05
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Gm05	39809902	39810175	Gmdrm	hyper	CG	0.0444
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Gm05	40124447	40124541	Gmdrm	hyper	CG	0.44
Gm05	40176761	40176776	Gmdrm	hyper	CG	0.754
Gm05	40347102	40347137	Gmdrm	hyper	CG	0.6616
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Gm05	40467038	40467261	Gmdrm	hyper	CG	0.0514
Gm05	40790441	40790668	Gmdrm	hyper	CG	0.2436
Gm05	40857429	40857503	Gmdrm	hyper	CG	0.0243
Gm05	41063964	41063991	Gmdrm	hyper	CG	0.965
Gm05	41266614	41266735	Gmdrm	hyper	CG	0.635
Gm05	41271787	41271944	Gmdrm	hyper	CG	0.0543
Gm05	41301169	41301259	Gmdrm	hyper	CG	0.19
Gm05	41593074	41593152	Gmdrm	hyper	CG	0.59
Gm05	41894268	41894298	Gmdrm	hyper	CG	0.376
Gm05	42050355	42050407	Gmdrm	hyper	CG	0.645
Gm05	42069875	42069991	Gmdrm	hyper	CG	0.505
Gm05	42101876	42102026	Gmdrm	hyper	CG	0.56
Gm05_scaffo	59897	60136	Gmdrm	hyper	CG	0.0554
Gm06	86425	86735	Gmdrm	hyper	CG	0.0358
Gm06	488901	489044	Gmdrm	hyper	CG	0.0335
Gm06	542838	543053	Gmdrm	hyper	CG	0.0692
Gm06	654045	654091	Gmdrm	hyper	CG	0.5413
Gm06	957557	957707	Gmdrm	hyper	CG	0.213
Gm06	968080	968168	Gmdrm	hyper	CG	0.066
Gm06	984622	984797	Gmdrm	hyper	CG	0.054
Gm06	1196523	1196774	Gmdrm	hyper	CG	0.0933

Gm06	1212380	1213236	Gmdrm	hyper	CG	0.1621
Gm06	1373199	1373255	Gmdrm	hyper	CG	0.055
Gm06	1641360	1641447	Gmdrm	hyper	CG	0.0837
Gm06	1665326	1665612	Gmdrm	hyper	CG	0.085
Gm06	1753612	1753834	Gmdrm	hyper	CG	0.058
Gm06	2000264	2000437	Gmdrm	hyper	CG	0.114
Gm06	2229945	2230461	Gmdrm	hyper	CG	0.5961
Gm06	2659429	2659480	Gmdrm	hyper	CG	0.645
Gm06	2958517	2958570	Gmdrm	hyper	CG	0.0717
Gm06	2976350	2976482	Gmdrm	hyper	CG	0.028
Gm06	2999747	2999865	Gmdrm	hyper	CG	0.71
Gm06	3170697	3170913	Gmdrm	hyper	CG	0.036
Gm06	3336740	3336764	Gmdrm	hyper	CG	0.093
Gm06	3372829	3372994	Gmdrm	hyper	CG	0.042
Gm06	3392616	3392829	Gmdrm	hyper	CG	0.5128
Gm06	3402265	3402473	Gmdrm	hyper	CG	0.5946
Gm06	3402838	3402888	Gmdrm	hyper	CG	0.346
Gm06	3587214	3587589	Gmdrm	hyper	CG	0.0311
Gm06	3726286	3726351	Gmdrm	hyper	CG	0.718
Gm06	3764743	3764964	Gmdrm	hyper	CG	0.0433
Gm06	3909421	3909599	Gmdrm	hyper	CG	0.0283
Gm06	4135700	4135729	Gmdrm	hyper	CG	0.6913
Gm06	4402897	4402960	Gmdrm	hyper	CG	0.14
Gm06	4605401	4605430	Gmdrm	hyper	CG	0.1584
Gm06	4628820	4629133	Gmdrm	hyper	CG	0.0757
Gm06	4715037	4715111	Gmdrm	hyper	CG	0.136
Gm06	4739757	4740051	Gmdrm	hyper	CG	0.05
Gm06	4770063	4770564	Gmdrm	hyper	CG	0.0327
Gm06	4920801	4920954	Gmdrm	hyper	CG	0.038
Gm06	4921960	4922001	Gmdrm	hyper	CG	0.27
Gm06	4992574	4992705	Gmdrm	hyper	CG	0.044
Gm06	5087401	5087699	Gmdrm	hyper	CG	0.04
Gm06	5089097	5089339	Gmdrm	hyper	CG	0.4141
Gm06	5217147	5217422	Gmdrm	hyper	CG	0.6137
Gm06	5256887	5256972	Gmdrm	hyper	CG	0.048
Gm06	5319258	5319329	Gmdrm	hyper	CG	0.032
Gm06	5422521	5422548	Gmdrm	hyper	CG	0.3712
Gm06	5423173	5423315	Gmdrm	hyper	CG	0.5867
Gm06	5597530	5597730	Gmdrm	hyper	CG	0.8878
Gm06	5637834	5637906	Gmdrm	hyper	CG	0.78
Gm06	5696705	5696851	Gmdrm	hyper	CG	0.792
Gm06	5885868	5886071	Gmdrm	hyper	CG	0.552
Gm06	5925989	5926033	Gmdrm	hyper	CG	0.71
Gm06	5943960	5944066	Gmdrm	hyper	CG	0.0483
Gm06	6030264	6030636	Gmdrm	hyper	CG	0.0336
Gm06	6163706	6164101	Gmdrm	hyper	CG	0.035

Gm06	6185053	6185387	Gmdrm	hyper	CG	0.0211
Gm06	6237173	6237216	Gmdrm	hyper	CG	0.776
Gm06	6401514	6401604	Gmdrm	hyper	CG	0.044
Gm06	6425158	6425205	Gmdrm	hyper	CG	0.6238
Gm06	6519913	6519946	Gmdrm	hyper	CG	0.4612
Gm06	6579341	6579446	Gmdrm	hyper	CG	0.036
Gm06	6831303	6831538	Gmdrm	hyper	CG	0.04
Gm06	6831675	6831883	Gmdrm	hyper	CG	0.046
Gm06	6844945	6844990	Gmdrm	hyper	CG	0.054
Gm06	6885912	6886012	Gmdrm	hyper	CG	0.04
Gm06	7058183	7058309	Gmdrm	hyper	CG	0.042
Gm06	7227192	7227258	Gmdrm	hyper	CG	0.0417
Gm06	7235157	7235409	Gmdrm	hyper	CG	0.0425
Gm06	7758954	7759016	Gmdrm	hyper	CG	0.032
Gm06	7883188	7883423	Gmdrm	hyper	CG	0.042
Gm06	7974615	7974715	Gmdrm	hyper	CG	0.726
Gm06	8005771	8005930	Gmdrm	hyper	CG	0.0916
Gm06	8045512	8045834	Gmdrm	hyper	CG	0.11
Gm06	8378312	8378548	Gmdrm	hyper	CG	0.0892
Gm06	8574903	8575096	Gmdrm	hyper	CG	0.468
Gm06	8586976	8587031	Gmdrm	hyper	CG	0.778
Gm06	8666189	8666380	Gmdrm	hyper	CG	0.07
Gm06	8909025	8909063	Gmdrm	hyper	CG	0.81
Gm06	9018774	9018892	Gmdrm	hyper	CG	0.0354
Gm06	9134610	9134716	Gmdrm	hyper	CG	0.036
Gm06	9147911	9147949	Gmdrm	hyper	CG	0.5433
Gm06	9372393	9372588	Gmdrm	hyper	CG	0.4467
Gm06	9399121	9399407	Gmdrm	hyper	CG	0.0317
Gm06	9399710	9399872	Gmdrm	hyper	CG	0.0514
Gm06	9459493	9459537	Gmdrm	hyper	CG	0.782
Gm06	9511462	9511521	Gmdrm	hyper	CG	0.0717
Gm06	9647762	9647966	Gmdrm	hyper	CG	0.0325
Gm06	9655236	9655348	Gmdrm	hyper	CG	0.056
Gm06	10077901	10077996	Gmdrm	hyper	CG	0.044
Gm06	10442678	10442965	Gmdrm	hyper	CG	0.0775
Gm06	10448837	10449126	Gmdrm	hyper	CG	0.0539
Gm06	10474540	10474580	Gmdrm	hyper	CG	0.1767
Gm06	10591378	10591450	Gmdrm	hyper	CG	0.042
Gm06	10709150	10709316	Gmdrm	hyper	CG	0.048
Gm06	10838789	10838977	Gmdrm	hyper	CG	0.056
Gm06	10839798	10839877	Gmdrm	hyper	CG	0.06
Gm06	10999415	10999520	Gmdrm	hyper	CG	0.0762
Gm06	11061813	11061843	Gmdrm	hyper	CG	0.7163
Gm06	11405330	11405355	Gmdrm	hyper	CG	0.0763
Gm06	11567437	11567616	Gmdrm	hyper	CG	0.2337
Gm06	11668624	11668774	Gmdrm	hyper	CG	0.0328

Gm06	11920208	11920261	Gmdrm	hyper	CG	0.764
Gm06	12005955	12006098	Gmdrm	hyper	CG	0.0577
Gm06	12113971	12114155	Gmdrm	hyper	CG	0.5263
Gm06	12221911	12222063	Gmdrm	hyper	CG	0.07
Gm06	12251311	12251459	Gmdrm	hyper	CG	0.0344
Gm06	12398405	12398540	Gmdrm	hyper	CG	0.0786
Gm06	12605280	12605363	Gmdrm	hyper	CG	0.4667
Gm06	12646258	12646598	Gmdrm	hyper	CG	0.0374
Gm06	12676669	12676780	Gmdrm	hyper	CG	0.8478
Gm06	12679246	12679482	Gmdrm	hyper	CG	0.4746
Gm06	12719749	12720202	Gmdrm	hyper	CG	0.0173
Gm06	12941538	12941655	Gmdrm	hyper	CG	0.032
Gm06	13048748	13048873	Gmdrm	hyper	CG	0.6616
Gm06	13100692	13100873	Gmdrm	hyper	CG	0.502
Gm06	13284624	13284665	Gmdrm	hyper	CG	0.6566
Gm06	13627640	13627726	Gmdrm	hyper	CG	0.076
Gm06	13633506	13633588	Gmdrm	hyper	CG	0.78
Gm06	13652393	13652433	Gmdrm	hyper	CG	0.6167
Gm06	13667757	13667819	Gmdrm	hyper	CG	0.4766
Gm06	13791038	13791082	Gmdrm	hyper	CG	0.63
Gm06	13917215	13917267	Gmdrm	hyper	CG	0.7167
Gm06	14012987	14013205	Gmdrm	hyper	CG	0.035
Gm06	14173243	14173372	Gmdrm	hyper	CG	0.0357
Gm06	14182919	14183149	Gmdrm	hyper	CG	0.0263
Gm06	14208829	14208952	Gmdrm	hyper	CG	0.0683
Gm06	14341023	14341072	Gmdrm	hyper	CG	0.16
Gm06	14460386	14460782	Gmdrm	hyper	CG	0.1319
Gm06	14491624	14491819	Gmdrm	hyper	CG	0.285
Gm06	14565941	14566005	Gmdrm	hyper	CG	0.0467
Gm06	14699363	14699409	Gmdrm	hyper	CG	0.5486
Gm06	14848099	14848620	Gmdrm	hyper	CG	0.2132
Gm06	14915564	14915579	Gmdrm	hyper	CG	0.955
Gm06	14967893	14967943	Gmdrm	hyper	CG	0.79
Gm06	15033383	15033569	Gmdrm	hyper	CG	0.04
Gm06	15155093	15155135	Gmdrm	hyper	CG	0.3017
Gm06	15155569	15155621	Gmdrm	hyper	CG	0.4573
Gm06	15369676	15370066	Gmdrm	hyper	CG	0.0392
Gm06	15382474	15382531	Gmdrm	hyper	CG	0.065
Gm06	15445465	15445563	Gmdrm	hyper	CG	0.0517
Gm06	15609553	15609649	Gmdrm	hyper	CG	0.1175
Gm06	15617924	15618369	Gmdrm	hyper	CG	0.0229
Gm06	15658813	15658869	Gmdrm	hyper	CG	0.7972
Gm06	15695711	15695849	Gmdrm	hyper	CG	0.079
Gm06	15719379	15719405	Gmdrm	hyper	CG	0.035
Gm06	15766246	15766297	Gmdrm	hyper	CG	0.0883
Gm06	15806911	15807079	Gmdrm	hyper	CG	0.0467

Gm06	15843737	15843796	Gmdrm	hyper	CG	0.4567
Gm06	15848518	15848545	Gmdrm	hyper	CG	0.9083
Gm06	15971566	15971618	Gmdrm	hyper	CG	0.044
Gm06	16067787	16067817	Gmdrm	hyper	CG	0.786
Gm06	16220365	16220529	Gmdrm	hyper	CG	0.5047
Gm06	16251525	16251546	Gmdrm	hyper	CG	0.0583
Gm06	16424947	16425073	Gmdrm	hyper	CG	0.6134
Gm06	16481832	16481926	Gmdrm	hyper	CG	0.5733
Gm06	16590145	16590252	Gmdrm	hyper	CG	0.752
Gm06	16701388	16701466	Gmdrm	hyper	CG	0.2883
Gm06	16754904	16754964	Gmdrm	hyper	CG	0.6683
Gm06	16940605	16941155	Gmdrm	hyper	CG	0.0332
Gm06	17060449	17061281	Gmdrm	hyper	CG	0.0239
Gm06	17074521	17074579	Gmdrm	hyper	CG	0.178
Gm06	17273521	17273713	Gmdrm	hyper	CG	0.0518
Gm06	17391390	17391650	Gmdrm	hyper	CG	0.0416
Gm06	17451405	17451745	Gmdrm	hyper	CG	0.2776
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Gm06	18216201	18216251	Gmdrm	hyper	CG	0.489
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Gm06	19092035	19092321	Gmdrm	hyper	CG	0.805
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Gm06	19392851	19392917	Gmdrm	hyper	CG	0.052
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Gm06	19992488	19992614	Gmdrm	hyper	CG	0.071

Gm06	20060776	20060998	Gmdrm	hyper	CG	0.048
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Gm06	22152040	22152133	Gmdrm	hyper	CG	0.038
Gm06	22183468	22183994	Gmdrm	hyper	CG	0.0395
Gm06	22205378	22205399	Gmdrm	hyper	CG	0.0683
Gm06	22221692	22222372	Gmdrm	hyper	CG	0.0308
Gm06	22430422	22431418	Gmdrm	hyper	CG	0.0221
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Gm06	22472180	22472384	Gmdrm	hyper	CG	0.0212
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Gm06	22788058	22788144	Gmdrm	hyper	CG	0.0383
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Gm06	22869764	22869875	Gmdrm	hyper	CG	0.5437
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Gm06	23120643	23121387	Gmdrm	hyper	CG	0.0576
Gm06	23127907	23128073	Gmdrm	hyper	CG	0.1043
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Gm06	23797707	23798187	Gmdrm	hyper	CG	0.0334

Gm06	24045933	24046111	Gmdrm	hyper	CG	0.09
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Gm06	24804224	24804311	Gmdrm	hyper	CG	0.12
Gm06	24892903	24893903	Gmdrm	hyper	CG	0.024
Gm06	24896290	24896364	Gmdrm	hyper	CG	0.0583
Gm06	25090574	25090690	Gmdrm	hyper	CG	0.0587
Gm06	25105831	25105909	Gmdrm	hyper	CG	0.072
Gm06	25219194	25219329	Gmdrm	hyper	CG	0.0333
Gm06	25259296	25260296	Gmdrm	hyper	CG	0.0313
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Gm06	25372326	25372584	Gmdrm	hyper	CG	0.0517
Gm06	25376336	25376606	Gmdrm	hyper	CG	0.0323
Gm06	25650256	25650466	Gmdrm	hyper	CG	0.0263
Gm06	25781950	25782124	Gmdrm	hyper	CG	0.1033
Gm06	25786653	25787635	Gmdrm	hyper	CG	0.023
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Gm06	25821215	25821309	Gmdrm	hyper	CG	0.132
Gm06	25839131	25839231	Gmdrm	hyper	CG	0.0743
Gm06	25894526	25894829	Gmdrm	hyper	CG	0.0556
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Gm06	25992355	25992610	Gmdrm	hyper	CG	0.0686
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Gm06	26274211	26274278	Gmdrm	hyper	CG	0.666
Gm06	26316718	26317218	Gmdrm	hyper	CG	0.1435
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Gm06	26446319	26446523	Gmdrm	hyper	CG	0.0617
Gm06	26464757	26464806	Gmdrm	hyper	CG	0.0466
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Gm06	26542557	26542731	Gmdrm	hyper	CG	0.063
Gm06	26962351	26963315	Gmdrm	hyper	CG	0.028
Gm06	27109287	27110093	Gmdrm	hyper	CG	0.0223
Gm06	27149937	27150062	Gmdrm	hyper	CG	0.0725
Gm06	27196176	27197163	Gmdrm	hyper	CG	0.0331
Gm06	27235699	27235889	Gmdrm	hyper	CG	0.0642
Gm06	27336695	27336938	Gmdrm	hyper	CG	0.075
Gm06	27368453	27368665	Gmdrm	hyper	CG	0.0825
Gm06	27380914	27381130	Gmdrm	hyper	CG	0.0669

Gm06	27416604	27416636	Gmdrm	hyper	CG	0.0383
Gm06	27469214	27469262	Gmdrm	hyper	CG	0.15
Gm06	27498654	27498724	Gmdrm	hyper	CG	0.0637
Gm06	27561602	27562201	Gmdrm	hyper	CG	0.0361
Gm06	27688216	27688339	Gmdrm	hyper	CG	0.1186
Gm06	27864417	27865191	Gmdrm	hyper	CG	0.0488
Gm06	27868695	27868830	Gmdrm	hyper	CG	0.1422
Gm06	27937061	27937346	Gmdrm	hyper	CG	0.1234
Gm06	28248706	28248920	Gmdrm	hyper	CG	0.0567
Gm06	28250809	28251646	Gmdrm	hyper	CG	0.0338
Gm06	28355641	28356089	Gmdrm	hyper	CG	0.0245
Gm06	28377412	28377621	Gmdrm	hyper	CG	0.1255
Gm06	28413136	28413373	Gmdrm	hyper	CG	0.0379
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Gm06	28507071	28507346	Gmdrm	hyper	CG	0.0317
Gm06	28721455	28721577	Gmdrm	hyper	CG	0.0575
Gm06	28778042	28778202	Gmdrm	hyper	CG	0.5983
Gm06	29027176	29027330	Gmdrm	hyper	CG	0.0443
Gm06	29104395	29105118	Gmdrm	hyper	CG	0.0409
Gm06	29126352	29126582	Gmdrm	hyper	CG	0.04
Gm06	29150641	29150737	Gmdrm	hyper	CG	0.5758
Gm06	29288891	29288995	Gmdrm	hyper	CG	0.052
Gm06	29397789	29398052	Gmdrm	hyper	CG	0.0517
Gm06	29418320	29418474	Gmdrm	hyper	CG	0.0516
Gm06	29517984	29518017	Gmdrm	hyper	CG	0.07
Gm06	29678920	29679108	Gmdrm	hyper	CG	0.0469
Gm06	29721468	29721586	Gmdrm	hyper	CG	0.0856
Gm06	29765844	29766576	Gmdrm	hyper	CG	0.038
Gm06	29810555	29810684	Gmdrm	hyper	CG	0.09
Gm06	29927280	29927551	Gmdrm	hyper	CG	0.049
Gm06	30012198	30012870	Gmdrm	hyper	CG	0.029
Gm06	30277398	30277590	Gmdrm	hyper	CG	0.0254
Gm06	30383843	30384572	Gmdrm	hyper	CG	0.0255
Gm06	30393031	30393083	Gmdrm	hyper	CG	0.925
Gm06	30564383	30564491	Gmdrm	hyper	CG	0.086
Gm06	30626355	30626490	Gmdrm	hyper	CG	0.0618
Gm06	30683567	30684001	Gmdrm	hyper	CG	0.0378
Gm06	30733902	30734097	Gmdrm	hyper	CG	0.0611
Gm06	30841630	30841748	Gmdrm	hyper	CG	0.0511
Gm06	30859997	30860060	Gmdrm	hyper	CG	0.576
Gm06	30966569	30966734	Gmdrm	hyper	CG	0.1289
Gm06	31501838	31502134	Gmdrm	hyper	CG	0.0495
Gm06	31776223	31776331	Gmdrm	hyper	CG	0.16
Gm06	31941713	31941797	Gmdrm	hyper	CG	0.135
Gm06	32084554	32085236	Gmdrm	hyper	CG	0.0348
Gm06	32245142	32245278	Gmdrm	hyper	CG	0.0814

Gm06	32438493	32438563	Gmdrm	hyper	CG	0.16
Gm06	32744789	32745041	Gmdrm	hyper	CG	0.0472
Gm06	32765525	32765788	Gmdrm	hyper	CG	0.0543
Gm06	33035669	33035782	Gmdrm	hyper	CG	0.066
Gm06	33069838	33069938	Gmdrm	hyper	CG	0.0733
Gm06	33215446	33215540	Gmdrm	hyper	CG	0.0667
Gm06	33244330	33244426	Gmdrm	hyper	CG	0.1129
Gm06	33507010	33507578	Gmdrm	hyper	CG	0.0332
Gm06	33619593	33619927	Gmdrm	hyper	CG	0.0461
Gm06	33858771	33858998	Gmdrm	hyper	CG	0.07
Gm06	33946572	33946963	Gmdrm	hyper	CG	0.0609
Gm06	33965613	33965744	Gmdrm	hyper	CG	0.0725
Gm06	34027866	34028119	Gmdrm	hyper	CG	0.0556
Gm06	34179558	34179651	Gmdrm	hyper	CG	0.0763
Gm06	34294410	34294646	Gmdrm	hyper	CG	0.0525
Gm06	34295872	34295973	Gmdrm	hyper	CG	0.0529
Gm06	34512122	34512217	Gmdrm	hyper	CG	0.054
Gm06	34573021	34573161	Gmdrm	hyper	CG	0.0686
Gm06	34742552	34742636	Gmdrm	hyper	CG	0.035
Gm06	34941362	34941506	Gmdrm	hyper	CG	0.0561
Gm06	35023766	35023990	Gmdrm	hyper	CG	0.075
Gm06	35043636	35043822	Gmdrm	hyper	CG	0.0529
Gm06	35189539	35190092	Gmdrm	hyper	CG	0.0385
Gm06	35239297	35239460	Gmdrm	hyper	CG	0.035
Gm06	35392940	35392967	Gmdrm	hyper	CG	0.076
Gm06	35664744	35664814	Gmdrm	hyper	CG	0.035
Gm06	35692538	35692732	Gmdrm	hyper	CG	0.0344
Gm06	35703623	35703924	Gmdrm	hyper	CG	0.044
Gm06	35762194	35762933	Gmdrm	hyper	CG	0.0519
Gm06	36096444	36096584	Gmdrm	hyper	CG	0.625
Gm06	36261341	36261514	Gmdrm	hyper	CG	0.11
Gm06	36420691	36420769	Gmdrm	hyper	CG	0.108
Gm06	36476773	36476876	Gmdrm	hyper	CG	0.1284
Gm06	36483577	36483633	Gmdrm	hyper	CG	0.072
Gm06	36484796	36485167	Gmdrm	hyper	CG	0.0172
Gm06	36607728	36608322	Gmdrm	hyper	CG	0.0459
Gm06	37010254	37010495	Gmdrm	hyper	CG	0.0339
Gm06	37050633	37050775	Gmdrm	hyper	CG	0.0529
Gm06	37201221	37201305	Gmdrm	hyper	CG	0.5033
Gm06	37256244	37256329	Gmdrm	hyper	CG	0.0448
Gm06	37590860	37591165	Gmdrm	hyper	CG	0.0842
Gm06	37692346	37692411	Gmdrm	hyper	CG	0.055
Gm06	37791080	37791235	Gmdrm	hyper	CG	0.0433
Gm06	37805619	37805832	Gmdrm	hyper	CG	0.0525
Gm06	37823661	37824110	Gmdrm	hyper	CG	0.0595
Gm06	37863451	37863633	Gmdrm	hyper	CG	0.0529

Gm06	37918994	37919591	Gmdrm	hyper	CG	0.0427
Gm06	37991505	37991729	Gmdrm	hyper	CG	0.1324
Gm06	38076951	38076983	Gmdrm	hyper	CG	0.4933
Gm06	38111833	38112591	Gmdrm	hyper	CG	0.042
Gm06	38128332	38128562	Gmdrm	hyper	CG	0.0774
Gm06	38156015	38156100	Gmdrm	hyper	CG	0.0467
Gm06	38234964	38235043	Gmdrm	hyper	CG	0.95
Gm06	38383579	38383684	Gmdrm	hyper	CG	0.0683
Gm06	38405829	38406019	Gmdrm	hyper	CG	0.0533
Gm06	38420607	38420694	Gmdrm	hyper	CG	0.04
Gm06	38507007	38507184	Gmdrm	hyper	CG	0.307
Gm06	38522247	38522371	Gmdrm	hyper	CG	0.048
Gm06	38527369	38527655	Gmdrm	hyper	CG	0.0455
Gm06	38817433	38817630	Gmdrm	hyper	CG	0.1114
Gm06	38841034	38841313	Gmdrm	hyper	CG	0.075
Gm06	38879698	38879754	Gmdrm	hyper	CG	0.079
Gm06	38949359	38949619	Gmdrm	hyper	CG	0.0672
Gm06	38987294	38987795	Gmdrm	hyper	CG	0.0354
Gm06	38997667	38997840	Gmdrm	hyper	CG	0.6617
Gm06	39069738	39069765	Gmdrm	hyper	CG	0.0417
Gm06	39253526	39253559	Gmdrm	hyper	CG	0.0449
Gm06	39456260	39456439	Gmdrm	hyper	CG	0.07
Gm06	39491693	39492203	Gmdrm	hyper	CG	0.057
Gm06	39548464	39548569	Gmdrm	hyper	CG	0.48
Gm06	39651393	39652149	Gmdrm	hyper	CG	0.0322
Gm06	39856305	39856717	Gmdrm	hyper	CG	0.0371
Gm06	39891741	39891862	Gmdrm	hyper	CG	0.738
Gm06	39907849	39907912	Gmdrm	hyper	CG	0.19
Gm06	39968394	39968409	Gmdrm	hyper	CG	0.66
Gm06	40118164	40118641	Gmdrm	hyper	CG	0.0232
Gm06	40286967	40287161	Gmdrm	hyper	CG	0.0767
Gm06	40396475	40397471	Gmdrm	hyper	CG	0.0267
Gm06	40523531	40523641	Gmdrm	hyper	CG	0.0472
Gm06	40607211	40607939	Gmdrm	hyper	CG	0.0409
Gm06	40622315	40622463	Gmdrm	hyper	CG	0.045
Gm06	40737411	40737587	Gmdrm	hyper	CG	0.0672
Gm06	40785968	40786067	Gmdrm	hyper	CG	0.064
Gm06	40819958	40820073	Gmdrm	hyper	CG	0.058
Gm06	40846290	40846716	Gmdrm	hyper	CG	0.0258
Gm06	40901696	40901741	Gmdrm	hyper	CG	0.5217
Gm06	40951213	40951432	Gmdrm	hyper	CG	0.0447
Gm06	41226268	41226411	Gmdrm	hyper	CG	0.0775
Gm06	41253897	41254026	Gmdrm	hyper	CG	0.0586
Gm06	41503373	41503932	Gmdrm	hyper	CG	0.0421
Gm06	41674278	41674545	Gmdrm	hyper	CG	0.0617
Gm06	41715843	41716055	Gmdrm	hyper	CG	0.0708

Gm06	41800605	41800963	Gmdrm	hyper	CG	0.04
Gm06	41892741	41893464	Gmdrm	hyper	CG	0.026
Gm06	41966818	41966931	Gmdrm	hyper	CG	0.0428
Gm06	42264930	42265478	Gmdrm	hyper	CG	0.0478
Gm06	42443251	42443554	Gmdrm	hyper	CG	0.715
Gm06	42576280	42576377	Gmdrm	hyper	CG	0.189
Gm06	42577387	42577419	Gmdrm	hyper	CG	0.85
Gm06	42594596	42594627	Gmdrm	hyper	CG	0.0637
Gm06	42770768	42770928	Gmdrm	hyper	CG	0.056
Gm06	42790720	42790808	Gmdrm	hyper	CG	0.7433
Gm06	42796652	42796975	Gmdrm	hyper	CG	0.1861
Gm06	42840497	42840611	Gmdrm	hyper	CG	0.0375
Gm06	42840958	42841255	Gmdrm	hyper	CG	0.863
Gm06	43047282	43047360	Gmdrm	hyper	CG	0.0416
Gm06	43125590	43125719	Gmdrm	hyper	CG	0.0233
Gm06	43341129	43341309	Gmdrm	hyper	CG	0.0481
Gm06	43430613	43430724	Gmdrm	hyper	CG	0.032
Gm06	43493237	43493765	Gmdrm	hyper	CG	0.0463
Gm06	43585057	43585107	Gmdrm	hyper	CG	0.7716
Gm06	43869335	43869723	Gmdrm	hyper	CG	0.028
Gm06	44132499	44132536	Gmdrm	hyper	CG	0.525
Gm06	44267143	44267303	Gmdrm	hyper	CG	0.0475
Gm06	44287662	44287762	Gmdrm	hyper	CG	0.0533
Gm06	44301500	44301586	Gmdrm	hyper	CG	0.0301
Gm06	44622563	44622654	Gmdrm	hyper	CG	0.5243
Gm06	44628645	44628877	Gmdrm	hyper	CG	0.0366
Gm06	44661904	44662279	Gmdrm	hyper	CG	0.032
Gm06	44697388	44697415	Gmdrm	hyper	CG	0.7037
Gm06	44775242	44775389	Gmdrm	hyper	CG	0.0609
Gm06	44785847	44786132	Gmdrm	hyper	CG	0.08
Gm06	44907708	44907955	Gmdrm	hyper	CG	0.761
Gm06	44922491	44922538	Gmdrm	hyper	CG	0.0667
Gm06	44936196	44937040	Gmdrm	hyper	CG	0.0367
Gm06	44996933	44997167	Gmdrm	hyper	CG	0.7431
Gm06	44997636	44997703	Gmdrm	hyper	CG	0.048
Gm06	45055484	45055575	Gmdrm	hyper	CG	0.5681
Gm06	45134339	45134715	Gmdrm	hyper	CG	0.035
Gm06	45146147	45146404	Gmdrm	hyper	CG	0.5045
Gm06	45147453	45147591	Gmdrm	hyper	CG	0.7755
Gm06	45206327	45206875	Gmdrm	hyper	CG	0.039
Gm06	45263932	45264097	Gmdrm	hyper	CG	0.5134
Gm06	45329097	45329301	Gmdrm	hyper	CG	0.054
Gm06	45502371	45502566	Gmdrm	hyper	CG	0.036
Gm06	45566658	45566924	Gmdrm	hyper	CG	0.0555
Gm06	45579509	45579664	Gmdrm	hyper	CG	0.7384
Gm06	45584762	45584843	Gmdrm	hyper	CG	0.4883

Gm06	45631753	45632258	Gmdrm	hyper	CG	0.0713
Gm06	45672019	45672116	Gmdrm	hyper	CG	0.69
Gm06	45715961	45716143	Gmdrm	hyper	CG	0.0467
Gm06	45848982	45849422	Gmdrm	hyper	CG	0.0422
Gm06	45854650	45855420	Gmdrm	hyper	CG	0.04
Gm06	45864411	45864501	Gmdrm	hyper	CG	0.08
Gm06	46298038	46298120	Gmdrm	hyper	CG	0.5967
Gm06	46403982	46404049	Gmdrm	hyper	CG	0.0517
Gm06	46561659	46561808	Gmdrm	hyper	CG	0.0433
Gm06	46591172	46591307	Gmdrm	hyper	CG	0.4383
Gm06	46661317	46661456	Gmdrm	hyper	CG	0.4526
Gm06	46682561	46682742	Gmdrm	hyper	CG	0.6017
Gm06	46706803	46707155	Gmdrm	hyper	CG	0.1913
Gm06	46707573	46707593	Gmdrm	hyper	CG	0.09
Gm06	46854656	46854689	Gmdrm	hyper	CG	0.5437
Gm06	46992497	46992691	Gmdrm	hyper	CG	0.7034
Gm06	47005874	47006384	Gmdrm	hyper	CG	0.3413
Gm06	47096647	47096826	Gmdrm	hyper	CG	0.6812
Gm06	47220993	47221026	Gmdrm	hyper	CG	0.062
Gm06	47457776	47457910	Gmdrm	hyper	CG	0.9017
Gm06	47811195	47811216	Gmdrm	hyper	CG	0.4016
Gm06	47846757	47847052	Gmdrm	hyper	CG	0.5117
Gm06	47963200	47963248	Gmdrm	hyper	CG	0.6183
Gm06	48108122	48108153	Gmdrm	hyper	CG	0.6583
Gm06	48265138	48265145	Gmdrm	hyper	CG	0.3567
Gm06	48615420	48615559	Gmdrm	hyper	CG	0.7133
Gm06	48906316	48906327	Gmdrm	hyper	CG	0.686
Gm06	48944181	48944207	Gmdrm	hyper	CG	0.7262
Gm06	49075234	49075244	Gmdrm	hyper	CG	0.8685
Gm06	49343209	49343223	Gmdrm	hyper	CG	0.4967
Gm06	49420551	49420620	Gmdrm	hyper	CG	0.6283
Gm06	49421687	49421895	Gmdrm	hyper	CG	0.0813
Gm06	49489095	49489130	Gmdrm	hyper	CG	0.07
Gm06	49497660	49498378	Gmdrm	hyper	CG	0.0302
Gm06	49525052	49525148	Gmdrm	hyper	CG	0.095
Gm06	49533523	49533857	Gmdrm	hyper	CG	0.4234
Gm06	49634237	49634435	Gmdrm	hyper	CG	0.1
Gm06	49712316	49712322	Gmdrm	hyper	CG	0.7183
Gm06	49828708	49828735	Gmdrm	hyper	CG	0.0433
Gm06	49875507	49875521	Gmdrm	hyper	CG	0.075
Gm06	50063040	50063111	Gmdrm	hyper	CG	0.1715
Gm06	50175785	50175909	Gmdrm	hyper	CG	0.7433
Gm06	50209721	50209758	Gmdrm	hyper	CG	0.6417
Gm06	50210446	50210517	Gmdrm	hyper	CG	0.8657
Gm06	50276856	50276884	Gmdrm	hyper	CG	0.1417
Gm06	50412411	50412516	Gmdrm	hyper	CG	0.794

Gm06_scaffo	40312	40586	Gmdrm	hyper	CG	0.0631
Gm06_scaffo	61493	62473	Gmdrm	hyper	CG	0.0271
Gm06_scaffo	103910	104140	Gmdrm	hyper	CG	0.605
Gm07	49917	50093	Gmdrm	hyper	CG	0.0488
Gm07	55732	55773	Gmdrm	hyper	CG	0.7
Gm07	100784	101025	Gmdrm	hyper	CG	0.0309
Gm07	158459	158478	Gmdrm	hyper	CG	0.8184
Gm07	188887	189001	Gmdrm	hyper	CG	0.44
Gm07	442940	443377	Gmdrm	hyper	CG	0.1663
Gm07	530259	530315	Gmdrm	hyper	CG	0.026
Gm07	564602	564722	Gmdrm	hyper	CG	0.1788
Gm07	597888	598006	Gmdrm	hyper	CG	0.7067
Gm07	662404	662473	Gmdrm	hyper	CG	0.5257
Gm07	1051896	1052070	Gmdrm	hyper	CG	0.038
Gm07	1063327	1063485	Gmdrm	hyper	CG	0.4818
Gm07	1076142	1076302	Gmdrm	hyper	CG	0.7375
Gm07	1294243	1294533	Gmdrm	hyper	CG	0.605
Gm07	1365469	1365712	Gmdrm	hyper	CG	0.472
Gm07	1737597	1737756	Gmdrm	hyper	CG	0.08
Gm07	1860379	1860539	Gmdrm	hyper	CG	0.08
Gm07	2105485	2105692	Gmdrm	hyper	CG	0.541
Gm07	2465093	2465224	Gmdrm	hyper	CG	0.4473
Gm07	2783010	2783644	Gmdrm	hyper	CG	0.0458
Gm07	2861885	2861921	Gmdrm	hyper	CG	0.0525
Gm07	3035592	3035790	Gmdrm	hyper	CG	0.048
Gm07	3115250	3115497	Gmdrm	hyper	CG	0.048
Gm07	3389105	3389144	Gmdrm	hyper	CG	0.0714
Gm07	3859783	3859829	Gmdrm	hyper	CG	0.0533
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Gm07	4026279	4026429	Gmdrm	hyper	CG	0.0478
Gm07	4080586	4080605	Gmdrm	hyper	CG	0.285
Gm07	4320537	4320751	Gmdrm	hyper	CG	0.0517
Gm07	4471270	4471441	Gmdrm	hyper	CG	0.048
Gm07	4585341	4585731	Gmdrm	hyper	CG	0.0313
Gm07	4647466	4647529	Gmdrm	hyper	CG	0.1033
Gm07	4760849	4760980	Gmdrm	hyper	CG	0.894
Gm07	4845918	4846101	Gmdrm	hyper	CG	0.1488
Gm07	5060230	5060500	Gmdrm	hyper	CG	0.0691
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Gm07	5193330	5193477	Gmdrm	hyper	CG	0.7183
Gm07	5271769	5271929	Gmdrm	hyper	CG	0.2111
Gm07	5325584	5325722	Gmdrm	hyper	CG	0.9683
Gm07	5329408	5329610	Gmdrm	hyper	CG	0.102
Gm07	5754882	5755253	Gmdrm	hyper	CG	0.039
Gm07	5965398	5965652	Gmdrm	hyper	CG	0.1513
Gm07	5997968	5998076	Gmdrm	hyper	CG	0.066

Gm07	6018229	6018429	Gmdrm	hyper	CG	0.03
Gm07	6084078	6084159	Gmdrm	hyper	CG	0.81
Gm07	6215801	6215863	Gmdrm	hyper	CG	0.7614
Gm07	6400383	6400517	Gmdrm	hyper	CG	0.025
Gm07	6569942	6570156	Gmdrm	hyper	CG	0.4883
Gm07	6599578	6599721	Gmdrm	hyper	CG	0.03
Gm07	6950768	6950792	Gmdrm	hyper	CG	0.615
Gm07	6967105	6967427	Gmdrm	hyper	CG	0.0748
Gm07	6989398	6989472	Gmdrm	hyper	CG	0.0767
Gm07	7002475	7002503	Gmdrm	hyper	CG	0.5988
Gm07	7126799	7126820	Gmdrm	hyper	CG	0.7733
Gm07	7182307	7182323	Gmdrm	hyper	CG	0.6757
Gm07	7338487	7338592	Gmdrm	hyper	CG	0.788
Gm07	7519758	7520249	Gmdrm	hyper	CG	0.0696
Gm07	7724155	7724388	Gmdrm	hyper	CG	0.55
Gm07	7780552	7780595	Gmdrm	hyper	CG	0.65
Gm07	7883981	7884102	Gmdrm	hyper	CG	0.0417
Gm07	7973507	7973567	Gmdrm	hyper	CG	0.735
Gm07	8311555	8311779	Gmdrm	hyper	CG	0.0317
Gm07	8400491	8400732	Gmdrm	hyper	CG	0.3453
Gm07	8690841	8691062	Gmdrm	hyper	CG	0.3429
Gm07	8700069	8700380	Gmdrm	hyper	CG	0.0459
Gm07	8785765	8785901	Gmdrm	hyper	CG	0.0408
Gm07	8800641	8800770	Gmdrm	hyper	CG	0.928
Gm07	9184097	9184444	Gmdrm	hyper	CG	0.1059
Gm07	9550284	9550490	Gmdrm	hyper	CG	0.4861
Gm07	9560634	9560679	Gmdrm	hyper	CG	0.0567
Gm07	9693296	9693477	Gmdrm	hyper	CG	0.722
Gm07	9740379	9740832	Gmdrm	hyper	CG	0.0439
Gm07	9779522	9779569	Gmdrm	hyper	CG	0.448
Gm07	9898205	9898288	Gmdrm	hyper	CG	0.039
Gm07	9913337	9913828	Gmdrm	hyper	CG	0.0262
Gm07	9930342	9930473	Gmdrm	hyper	CG	0.0438
Gm07	9999224	9999366	Gmdrm	hyper	CG	0.048
Gm07	10044007	10044287	Gmdrm	hyper	CG	0.395
Gm07	10044696	10044970	Gmdrm	hyper	CG	0.4588
Gm07	10473753	10473806	Gmdrm	hyper	CG	0.8934
Gm07	10477568	10478059	Gmdrm	hyper	CG	0.0417
Gm07	10528373	10528475	Gmdrm	hyper	CG	0.052
Gm07	10679426	10679490	Gmdrm	hyper	CG	0.0525
Gm07	10824485	10824518	Gmdrm	hyper	CG	0.064
Gm07	10873854	10873951	Gmdrm	hyper	CG	0.0867
Gm07	11173785	11173889	Gmdrm	hyper	CG	0.678
Gm07	11204918	11204953	Gmdrm	hyper	CG	1
Gm07	11393409	11393506	Gmdrm	hyper	CG	0.5533
Gm07	11393927	11393951	Gmdrm	hyper	CG	0.988

Gm07	11394054	11394191	Gmdrm	hyper	CG	0.7933
Gm07	11394479	11394589	Gmdrm	hyper	CG	0.67
Gm07	11474265	11474481	Gmdrm	hyper	CG	0.0875
Gm07	11549877	11550785	Gmdrm	hyper	CG	0.0237
Gm07	11603617	11603706	Gmdrm	hyper	CG	0.1683
Gm07	11680461	11680714	Gmdrm	hyper	CG	0.0333
Gm07	11697097	11697327	Gmdrm	hyper	CG	0.4693
Gm07	11748973	11749266	Gmdrm	hyper	CG	0.0296
Gm07	11885411	11885520	Gmdrm	hyper	CG	0.0934
Gm07	11896967	11897015	Gmdrm	hyper	CG	0.065
Gm07	11904585	11904727	Gmdrm	hyper	CG	0.0522
Gm07	11961158	11961710	Gmdrm	hyper	CG	0.0354
Gm07	12028278	12028547	Gmdrm	hyper	CG	0.045
Gm07	12030867	12030911	Gmdrm	hyper	CG	0.116
Gm07	12370033	12371021	Gmdrm	hyper	CG	0.0239
Gm07	12460041	12460096	Gmdrm	hyper	CG	0.0583
Gm07	12522194	12522777	Gmdrm	hyper	CG	0.05
Gm07	12579662	12579833	Gmdrm	hyper	CG	0.046
Gm07	12627859	12627980	Gmdrm	hyper	CG	0.5825
Gm07	12681985	12682099	Gmdrm	hyper	CG	0.08
Gm07	12683450	12683605	Gmdrm	hyper	CG	0.0743
Gm07	12695058	12695348	Gmdrm	hyper	CG	0.6215
Gm07	12784019	12784300	Gmdrm	hyper	CG	0.0455
Gm07	12813299	12813882	Gmdrm	hyper	CG	0.0523
Gm07	12911278	12911301	Gmdrm	hyper	CG	0.696
Gm07	13059447	13059565	Gmdrm	hyper	CG	0.075
Gm07	13086322	13086410	Gmdrm	hyper	CG	0.04
Gm07	13194476	13194711	Gmdrm	hyper	CG	0.9614
Gm07	13195659	13195732	Gmdrm	hyper	CG	0.9183
Gm07	13196669	13196763	Gmdrm	hyper	CG	0.9667
Gm07	13334963	13335954	Gmdrm	hyper	CG	0.0228
Gm07	13425412	13425578	Gmdrm	hyper	CG	0.0527
Gm07	13487932	13487996	Gmdrm	hyper	CG	0.112
Gm07	13609845	13610035	Gmdrm	hyper	CG	0.6
Gm07	13661090	13661700	Gmdrm	hyper	CG	0.0352
Gm07	13704661	13704776	Gmdrm	hyper	CG	0.204
Gm07	14039968	14040175	Gmdrm	hyper	CG	0.0489
Gm07	14094254	14094291	Gmdrm	hyper	CG	0.075
Gm07	14129920	14129989	Gmdrm	hyper	CG	0.77
Gm07	14236836	14237769	Gmdrm	hyper	CG	0.0291
Gm07	14255723	14255902	Gmdrm	hyper	CG	0.0689
Gm07	14337530	14337846	Gmdrm	hyper	CG	0.0418
Gm07	14395666	14395995	Gmdrm	hyper	CG	0.0346
Gm07	14428171	14428422	Gmdrm	hyper	CG	0.0532
Gm07	14483129	14483684	Gmdrm	hyper	CG	0.0359
Gm07	14587440	14587969	Gmdrm	hyper	CG	0.0267

Gm07	14641503	14641940	Gmdrm	hyper	CG	0.0293
Gm07	14646639	14646666	Gmdrm	hyper	CG	0.3533
Gm07	14774629	14774728	Gmdrm	hyper	CG	0.075
Gm07	14800780	14800961	Gmdrm	hyper	CG	0.0523
Gm07	14868402	14868457	Gmdrm	hyper	CG	0.0517
Gm07	14927781	14927953	Gmdrm	hyper	CG	0.038
Gm07	15099312	15099341	Gmdrm	hyper	CG	0.6567
Gm07	15113634	15113860	Gmdrm	hyper	CG	0.465
Gm07	15128059	15128134	Gmdrm	hyper	CG	0.768
Gm07	15164365	15164486	Gmdrm	hyper	CG	0.064
Gm07	15331740	15332494	Gmdrm	hyper	CG	0.312
Gm07	15474059	15474359	Gmdrm	hyper	CG	0.377
Gm07	15510333	15510448	Gmdrm	hyper	CG	0.8549
Gm07	15635081	15635318	Gmdrm	hyper	CG	0.0455
Gm07	15947942	15948095	Gmdrm	hyper	CG	0.05
Gm07	15966124	15966214	Gmdrm	hyper	CG	0.062
Gm07	16068890	16068949	Gmdrm	hyper	CG	0.046
Gm07	16168739	16168871	Gmdrm	hyper	CG	0.026
Gm07	16328795	16329011	Gmdrm	hyper	CG	0.0272
Gm07	16616370	16617061	Gmdrm	hyper	CG	0.0293
Gm07	16644345	16644610	Gmdrm	hyper	CG	0.14
Gm07	16677852	16678024	Gmdrm	hyper	CG	0.0483
Gm07	16748488	16748508	Gmdrm	hyper	CG	0.072
Gm07	17188742	17189033	Gmdrm	hyper	CG	0.0306
Gm07	17236221	17236326	Gmdrm	hyper	CG	0.6713
Gm07	17404012	17404224	Gmdrm	hyper	CG	0.0422
Gm07	17641306	17642306	Gmdrm	hyper	CG	0.0205
Gm07	17719642	17719653	Gmdrm	hyper	CG	0.29
Gm07	17899631	17899739	Gmdrm	hyper	CG	0.13
Gm07	18008992	18009144	Gmdrm	hyper	CG	0.2475
Gm07	18298721	18298839	Gmdrm	hyper	CG	0.0533
Gm07	18356727	18356798	Gmdrm	hyper	CG	0.652
Gm07	18394205	18394745	Gmdrm	hyper	CG	0.0424
Gm07	18401964	18402435	Gmdrm	hyper	CG	0.0467
Gm07	18430539	18431538	Gmdrm	hyper	CG	0.032
Gm07	18432583	18433046	Gmdrm	hyper	CG	0.3453
Gm07	18467987	18468554	Gmdrm	hyper	CG	0.4165
Gm07	18556454	18556570	Gmdrm	hyper	CG	0.0381
Gm07	18621314	18621329	Gmdrm	hyper	CG	0.055
Gm07	18751857	18751942	Gmdrm	hyper	CG	0.0971
Gm07	18876625	18876943	Gmdrm	hyper	CG	0.0508
Gm07	19037751	19037924	Gmdrm	hyper	CG	0.3978
Gm07	19081884	19082023	Gmdrm	hyper	CG	0.431
Gm07	19115958	19116119	Gmdrm	hyper	CG	0.0607
Gm07	19575669	19575871	Gmdrm	hyper	CG	0.05
Gm07	19927210	19927601	Gmdrm	hyper	CG	0.0275

Gm07	20114775	20115158	Gmdrm	hyper	CG	0.0413
Gm07	20169011	20169138	Gmdrm	hyper	CG	0.0628
Gm07	20198460	20198841	Gmdrm	hyper	CG	0.0775
Gm07	20199755	20200260	Gmdrm	hyper	CG	0.0403
Gm07	20295164	20295311	Gmdrm	hyper	CG	0.6677
Gm07	20566778	20566828	Gmdrm	hyper	CG	0.778
Gm07	20700660	20701177	Gmdrm	hyper	CG	0.0607
Gm07	20823738	20823872	Gmdrm	hyper	CG	0.0757
Gm07	20937002	20937280	Gmdrm	hyper	CG	0.0375
Gm07	20992137	20992210	Gmdrm	hyper	CG	0.0625
Gm07	21118250	21118835	Gmdrm	hyper	CG	0.0377
Gm07	21153804	21153921	Gmdrm	hyper	CG	0.075
Gm07	21322147	21322178	Gmdrm	hyper	CG	0.054
Gm07	21332576	21332889	Gmdrm	hyper	CG	0.0529
Gm07	21343687	21344312	Gmdrm	hyper	CG	0.0304
Gm07	21504413	21505200	Gmdrm	hyper	CG	0.0268
Gm07	21512261	21512460	Gmdrm	hyper	CG	0.0679
Gm07	21572607	21572651	Gmdrm	hyper	CG	0.624
Gm07	21823462	21823780	Gmdrm	hyper	CG	0.0229
Gm07	22038768	22039305	Gmdrm	hyper	CG	0.0515
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Gm07	22126266	22126375	Gmdrm	hyper	CG	0.0275
Gm07	22150643	22150912	Gmdrm	hyper	CG	0.1064
Gm07	22453636	22454183	Gmdrm	hyper	CG	0.0423
Gm07	22518886	22519119	Gmdrm	hyper	CG	0.0779
Gm07	22594215	22594437	Gmdrm	hyper	CG	0.0507
Gm07	22598230	22598339	Gmdrm	hyper	CG	0.045
Gm07	22775530	22775900	Gmdrm	hyper	CG	0.031
Gm07	22857934	22858144	Gmdrm	hyper	CG	0.05
Gm07	23001965	23002193	Gmdrm	hyper	CG	0.0378
Gm07	23006552	23006822	Gmdrm	hyper	CG	0.0218
Gm07	23269177	23269347	Gmdrm	hyper	CG	0.0411
Gm07	23280419	23280488	Gmdrm	hyper	CG	0.16
Gm07	23281010	23281764	Gmdrm	hyper	CG	0.0903
Gm07	23359931	23360013	Gmdrm	hyper	CG	0.0377
Gm07	23404741	23404867	Gmdrm	hyper	CG	0.0543
Gm07	23422905	23423204	Gmdrm	hyper	CG	0.056
Gm07	23447155	23447165	Gmdrm	hyper	CG	0.7234
Gm07	23483770	23484055	Gmdrm	hyper	CG	0.042
Gm07	23641068	23641126	Gmdrm	hyper	CG	0.035
Gm07	23688203	23688498	Gmdrm	hyper	CG	0.0795
Gm07	23696413	23696598	Gmdrm	hyper	CG	0.1109
Gm07	23773934	23774378	Gmdrm	hyper	CG	0.075
Gm07	23819790	23819935	Gmdrm	hyper	CG	0.11
Gm07	23852835	23852897	Gmdrm	hyper	CG	0.0683
Gm07	23983537	23984208	Gmdrm	hyper	CG	0.0386

Gm07	24088008	24088320	Gmdrm	hyper	CG	0.0437
Gm07	24104006	24104061	Gmdrm	hyper	CG	0.0533
Gm07	24118707	24118901	Gmdrm	hyper	CG	0.0513
Gm07	24333392	24333525	Gmdrm	hyper	CG	0.0225
Gm07	24377014	24377375	Gmdrm	hyper	CG	0.03
Gm07	24801682	24801944	Gmdrm	hyper	CG	0.0923
Gm07	24926380	24926492	Gmdrm	hyper	CG	0.0383
Gm07	25147059	25147143	Gmdrm	hyper	CG	0.044
Gm07	25171090	25171290	Gmdrm	hyper	CG	0.0388
Gm07	25360722	25361300	Gmdrm	hyper	CG	0.0604
Gm07	25428321	25428675	Gmdrm	hyper	CG	0.0444
Gm07	25448054	25448403	Gmdrm	hyper	CG	0.0735
Gm07	25516952	25517082	Gmdrm	hyper	CG	0.0544
Gm07	25551044	25551063	Gmdrm	hyper	CG	0.9933
Gm07	25756506	25756661	Gmdrm	hyper	CG	0.0677
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Gm07	25789060	25789507	Gmdrm	hyper	CG	0.0357
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Gm07	26047109	26047703	Gmdrm	hyper	CG	0.0261
Gm07	27068563	27068736	Gmdrm	hyper	CG	0.055
Gm07	27097458	27097847	Gmdrm	hyper	CG	0.3492
Gm07	27144704	27144969	Gmdrm	hyper	CG	0.166
Gm07	27187571	27187756	Gmdrm	hyper	CG	0.0394
Gm07	27207512	27207692	Gmdrm	hyper	CG	0.0708
Gm07	27237019	27237408	Gmdrm	hyper	CG	0.0556
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Gm07	27332080	27332412	Gmdrm	hyper	CG	0.0213
Gm07	27340257	27340377	Gmdrm	hyper	CG	0.0578
Gm07	27409730	27410596	Gmdrm	hyper	CG	0.0289
Gm07	27505120	27505427	Gmdrm	hyper	CG	0.3661
Gm07	27539371	27540364	Gmdrm	hyper	CG	0.0396
Gm07	27744285	27744801	Gmdrm	hyper	CG	0.0346
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Gm07	27786182	27786276	Gmdrm	hyper	CG	0.065
Gm07	28038821	28039790	Gmdrm	hyper	CG	0.052
Gm07	28070477	28070703	Gmdrm	hyper	CG	0.0492
Gm07	28563465	28563548	Gmdrm	hyper	CG	0.128
Gm07	28583935	28584395	Gmdrm	hyper	CG	0.0386
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Gm07	28767673	28767878	Gmdrm	hyper	CG	0.0965
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Gm07	29018924	29019136	Gmdrm	hyper	CG	0.0436
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Gm07	29285423	29285463	Gmdrm	hyper	CG	0.0917
Gm07	29338438	29338544	Gmdrm	hyper	CG	0.1084
Gm07	29425582	29425959	Gmdrm	hyper	CG	0.022
Gm07	29430394	29431081	Gmdrm	hyper	CG	0.0553
Gm07	29549381	29549583	Gmdrm	hyper	CG	0.0914
Gm07	29633693	29634058	Gmdrm	hyper	CG	0.0511
Gm07	29644584	29645082	Gmdrm	hyper	CG	0.0333
Gm07	29768764	29768798	Gmdrm	hyper	CG	0.749
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Gm07	29857474	29857574	Gmdrm	hyper	CG	0.764
Gm07	29902668	29903008	Gmdrm	hyper	CG	0.0322
Gm07	30083659	30083848	Gmdrm	hyper	CG	0.0643
Gm07	30143658	30143775	Gmdrm	hyper	CG	0.0878
Gm07	30196567	30196702	Gmdrm	hyper	CG	0.0319
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Gm07	30264250	30265215	Gmdrm	hyper	CG	0.0233
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Gm07	30388145	30388199	Gmdrm	hyper	CG	0.03
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Gm07	30620705	30620969	Gmdrm	hyper	CG	0.0592
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Gm07	31200401	31200479	Gmdrm	hyper	CG	0.1263
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Gm07	32189616	32189872	Gmdrm	hyper	CG	0.0276
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Gm07	32718951	32719267	Gmdrm	hyper	CG	0.0475
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Gm07	32814950	32815123	Gmdrm	hyper	CG	0.0737
Gm07	32815593	32815953	Gmdrm	hyper	CG	0.044
Gm07	32921616	32921691	Gmdrm	hyper	CG	0.0733

Gm07	32951672	32951727	Gmdrm	hyper	CG	0.086
Gm07	32951850	32952092	Gmdrm	hyper	CG	0.0613
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Gm07	33037738	33038667	Gmdrm	hyper	CG	0.0431
Gm07	33088440	33088581	Gmdrm	hyper	CG	0.0857
Gm07	33210307	33210377	Gmdrm	hyper	CG	0.064
Gm07	33388027	33388271	Gmdrm	hyper	CG	0.0564
Gm07	33394910	33395313	Gmdrm	hyper	CG	0.0646
Gm07	33622277	33622762	Gmdrm	hyper	CG	0.061
Gm07	33625234	33625717	Gmdrm	hyper	CG	0.0654
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Gm07	33781380	33781467	Gmdrm	hyper	CG	0.0525
Gm07	33790744	33791438	Gmdrm	hyper	CG	0.0304
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Gm07	34186760	34187061	Gmdrm	hyper	CG	0.036
Gm07	34298133	34298700	Gmdrm	hyper	CG	0.0304
Gm07	34298813	34299096	Gmdrm	hyper	CG	0.08
Gm07	34377570	34377705	Gmdrm	hyper	CG	0.04
Gm07	34602795	34602849	Gmdrm	hyper	CG	0.732
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Gm07	34805976	34806101	Gmdrm	hyper	CG	0.2029
Gm07	34848344	34848495	Gmdrm	hyper	CG	0.847
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Gm07	35271364	35271466	Gmdrm	hyper	CG	0.0687
Gm07	35396833	35396852	Gmdrm	hyper	CG	0.6217
Gm07	35766049	35766061	Gmdrm	hyper	CG	0.9133
Gm07	35825542	35825600	Gmdrm	hyper	CG	0.87
Gm07	35948608	35948682	Gmdrm	hyper	CG	0.718
Gm07	36024405	36024574	Gmdrm	hyper	CG	0.1071
Gm07	36032283	36032477	Gmdrm	hyper	CG	0.0683
Gm07	36126033	36126221	Gmdrm	hyper	CG	0.605
Gm07	36283763	36283903	Gmdrm	hyper	CG	0.068
Gm07	36310009	36310118	Gmdrm	hyper	CG	0.7475
Gm07	36437402	36437940	Gmdrm	hyper	CG	0.0654
Gm07	36483335	36483450	Gmdrm	hyper	CG	0.0666
Gm07	36764908	36765035	Gmdrm	hyper	CG	0.074
Gm07	36775861	36775991	Gmdrm	hyper	CG	0.8511
Gm07	36864689	36864808	Gmdrm	hyper	CG	0.0889
Gm07	37114053	37115031	Gmdrm	hyper	CG	0.0366
Gm07	37238588	37238667	Gmdrm	hyper	CG	0.506
Gm07	37263459	37263566	Gmdrm	hyper	CG	0.03
Gm07	37302280	37302564	Gmdrm	hyper	CG	0.9321
Gm07	37520028	37520051	Gmdrm	hyper	CG	0.9767

Gm07	37925462	37925656	Gmdrm	hyper	CG	0.0267
Gm07	37974264	37974397	Gmdrm	hyper	CG	0.0633
Gm07	38049189	38049495	Gmdrm	hyper	CG	0.0336
Gm07	38099640	38099731	Gmdrm	hyper	CG	0.09
Gm07	38340756	38340783	Gmdrm	hyper	CG	0.2011
Gm07	38375506	38375549	Gmdrm	hyper	CG	0.4483
Gm07	38534609	38534690	Gmdrm	hyper	CG	0.877
Gm07	38573246	38573517	Gmdrm	hyper	CG	0.9206
Gm07	38633934	38634052	Gmdrm	hyper	CG	0.772
Gm07	38716857	38717476	Gmdrm	hyper	CG	0.2583
Gm07	38762179	38762267	Gmdrm	hyper	CG	0.058
Gm07	39004967	39005085	Gmdrm	hyper	CG	0.726
Gm07	39005448	39005504	Gmdrm	hyper	CG	0.8
Gm07	39005616	39005780	Gmdrm	hyper	CG	0.73
Gm07	39147720	39147933	Gmdrm	hyper	CG	0.1113
Gm07	39606626	39606852	Gmdrm	hyper	CG	0.6245
Gm07	39755374	39755541	Gmdrm	hyper	CG	0.379
Gm07	39812119	39812356	Gmdrm	hyper	CG	0.4445
Gm07	39846808	39846972	Gmdrm	hyper	CG	0.7338
Gm07	39883863	39883939	Gmdrm	hyper	CG	0.73
Gm07	39944838	39944961	Gmdrm	hyper	CG	0.0633
Gm07	39947195	39947242	Gmdrm	hyper	CG	0.1867
Gm07	39979542	39979629	Gmdrm	hyper	CG	0.1383
Gm07	40274076	40274344	Gmdrm	hyper	CG	0.0317
Gm07	40606818	40606873	Gmdrm	hyper	CG	0.845
Gm07	40940840	40941021	Gmdrm	hyper	CG	0.0722
Gm07	40974035	40974178	Gmdrm	hyper	CG	0.052
Gm07	41221847	41221999	Gmdrm	hyper	CG	0.04
Gm07	41292593	41293158	Gmdrm	hyper	CG	0.5209
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Gm07	41774209	41774295	Gmdrm	hyper	CG	0.0551
Gm07	42009492	42010115	Gmdrm	hyper	CG	0.0258
Gm07	42105161	42105250	Gmdrm	hyper	CG	0.443
Gm07	42240965	42240998	Gmdrm	hyper	CG	0.75
Gm07	42416971	42417084	Gmdrm	hyper	CG	0.6367
Gm07	42471554	42471933	Gmdrm	hyper	CG	0.2752
Gm07	42493237	42493422	Gmdrm	hyper	CG	0.0371
Gm07	42589757	42589892	Gmdrm	hyper	CG	0.1
Gm07	42683976	42684103	Gmdrm	hyper	CG	0.738
Gm07	43013460	43013496	Gmdrm	hyper	CG	0.136
Gm07	43286638	43286731	Gmdrm	hyper	CG	0.07
Gm07	43528167	43528377	Gmdrm	hyper	CG	0.055
Gm07	43535824	43536044	Gmdrm	hyper	CG	0.754
Gm07	43785957	43786135	Gmdrm	hyper	CG	0.7259
Gm07	43816840	43816999	Gmdrm	hyper	CG	0.096
Gm07	43968268	43968371	Gmdrm	hyper	CG	0.758

Gm07	44027356	44027547	Gmdrm	hyper	CG	0.7675
Gm07	44123351	44123566	Gmdrm	hyper	CG	0.0272
Gm07	44580509	44580661	Gmdrm	hyper	CG	0.0485
Gm07	44624836	44625024	Gmdrm	hyper	CG	0.042
Gm07	44776297	44776578	Gmdrm	hyper	CG	0.0457
Gm07	44828030	44828114	Gmdrm	hyper	CG	0.0484
Gm07	44870733	44871055	Gmdrm	hyper	CG	0.0396
Gm07_scaffol	37921	38530	Gmdrm	hyper	CG	0.0223
Gm07_scaffol	77949	77971	Gmdrm	hyper	CG	0.3583
Gm08	22059	22143	Gmdrm	hyper	CG	0.6483
Gm08	33437	33577	Gmdrm	hyper	CG	0.5367
Gm08	65103	65150	Gmdrm	hyper	CG	0.705
Gm08	65436	65542	Gmdrm	hyper	CG	0.7063
Gm08	118483	118660	Gmdrm	hyper	CG	0.6989
Gm08	133539	133852	Gmdrm	hyper	CG	0.046
Gm08	152151	152198	Gmdrm	hyper	CG	0.661
Gm08	190765	190803	Gmdrm	hyper	CG	0.7537
Gm08	360859	361015	Gmdrm	hyper	CG	0.2537
Gm08	376419	376730	Gmdrm	hyper	CG	0.6555
Gm08	518567	518807	Gmdrm	hyper	CG	0.0463
Gm08	614209	614346	Gmdrm	hyper	CG	0.0767
Gm08	963440	963573	Gmdrm	hyper	CG	0.433
Gm08	974256	974386	Gmdrm	hyper	CG	0.6643
Gm08	1018230	1018308	Gmdrm	hyper	CG	0.06
Gm08	1106364	1106555	Gmdrm	hyper	CG	0.5589
Gm08	1167174	1167342	Gmdrm	hyper	CG	0.0833
Gm08	1274729	1274848	Gmdrm	hyper	CG	0.3412
Gm08	1339490	1339618	Gmdrm	hyper	CG	0.1083
Gm08	1435573	1435674	Gmdrm	hyper	CG	0.0733
Gm08	1451557	1451837	Gmdrm	hyper	CG	0.0443
Gm08	1464452	1464538	Gmdrm	hyper	CG	0.1088
Gm08	1714885	1715156	Gmdrm	hyper	CG	0.565
Gm08	1827649	1827906	Gmdrm	hyper	CG	0.0267
Gm08	1839999	1840278	Gmdrm	hyper	CG	0.0417
Gm08	1872960	1873204	Gmdrm	hyper	CG	0.03
Gm08	1988704	1988795	Gmdrm	hyper	CG	0.0417
Gm08	2213300	2213378	Gmdrm	hyper	CG	0.0501
Gm08	2267410	2267631	Gmdrm	hyper	CG	0.06
Gm08	2489136	2489354	Gmdrm	hyper	CG	0.0864
Gm08	2724326	2724371	Gmdrm	hyper	CG	0.7859
Gm08	2876222	2876440	Gmdrm	hyper	CG	0.04
Gm08	3518258	3518372	Gmdrm	hyper	CG	0.054
Gm08	3594419	3594658	Gmdrm	hyper	CG	0.0516
Gm08	3759367	3759493	Gmdrm	hyper	CG	0.028
Gm08	4038914	4039165	Gmdrm	hyper	CG	0.0534
Gm08	4065414	4065428	Gmdrm	hyper	CG	0.858

Gm08	4218674	4218787	Gmdrm	hyper	CG	0.046
Gm08	4867163	4867204	Gmdrm	hyper	CG	0.728
Gm08	4896843	4897013	Gmdrm	hyper	CG	0.07
Gm08	5139046	5139126	Gmdrm	hyper	CG	0.146
Gm08	5170173	5170244	Gmdrm	hyper	CG	0.6217
Gm08	5323678	5323745	Gmdrm	hyper	CG	0.7986
Gm08	5363898	5364009	Gmdrm	hyper	CG	0.48
Gm08	5373808	5374204	Gmdrm	hyper	CG	0.0265
Gm08	5375161	5375570	Gmdrm	hyper	CG	0.0308
Gm08	5388385	5388443	Gmdrm	hyper	CG	0.0272
Gm08	5620529	5620662	Gmdrm	hyper	CG	0.7006
Gm08	5797541	5797686	Gmdrm	hyper	CG	0.0344
Gm08	5917676	5917735	Gmdrm	hyper	CG	0.706
Gm08	6312136	6312311	Gmdrm	hyper	CG	0.0175
Gm08	6808278	6808331	Gmdrm	hyper	CG	0.6617
Gm08	6810375	6810408	Gmdrm	hyper	CG	0.792
Gm08	6837619	6837884	Gmdrm	hyper	CG	0.0417
Gm08	7587511	7587547	Gmdrm	hyper	CG	0.535
Gm08	7882607	7882648	Gmdrm	hyper	CG	0.808
Gm08	7901987	7902221	Gmdrm	hyper	CG	0.04
Gm08	8010622	8010724	Gmdrm	hyper	CG	0.044
Gm08	8077948	8078128	Gmdrm	hyper	CG	0.0386
Gm08	8095114	8095385	Gmdrm	hyper	CG	0.6783
Gm08	8162781	8162921	Gmdrm	hyper	CG	0.038
Gm08	8207649	8207827	Gmdrm	hyper	CG	0.1277
Gm08	8216516	8216684	Gmdrm	hyper	CG	0.742
Gm08	8230214	8230279	Gmdrm	hyper	CG	0.3934
Gm08	8230561	8230594	Gmdrm	hyper	CG	0.5913
Gm08	8325136	8325491	Gmdrm	hyper	CG	0.56
Gm08	8454816	8454857	Gmdrm	hyper	CG	0.05
Gm08	8558566	8558690	Gmdrm	hyper	CG	0.0466
Gm08	8602238	8602341	Gmdrm	hyper	CG	0.0467
Gm08	8603939	8604040	Gmdrm	hyper	CG	0.064
Gm08	9070292	9070355	Gmdrm	hyper	CG	0.5286
Gm08	9204094	9204344	Gmdrm	hyper	CG	0.0517
Gm08	9362876	9363196	Gmdrm	hyper	CG	0.0524
Gm08	9452422	9452537	Gmdrm	hyper	CG	0.4075
Gm08	9590319	9590347	Gmdrm	hyper	CG	0.778
Gm08	9645915	9646163	Gmdrm	hyper	CG	0.044
Gm08	9725219	9725245	Gmdrm	hyper	CG	0.072
Gm08	9859392	9859514	Gmdrm	hyper	CG	0.7072
Gm08	9940819	9940840	Gmdrm	hyper	CG	0.75
Gm08	10205229	10205309	Gmdrm	hyper	CG	0.945
Gm08	10347309	10347507	Gmdrm	hyper	CG	0.05
Gm08	10946059	10946268	Gmdrm	hyper	CG	0.07
Gm08	11005796	11005819	Gmdrm	hyper	CG	0.5367

Gm08	11065480	11065559	Gmdrm	hyper	CG	0.03
Gm08	11166175	11166317	Gmdrm	hyper	CG	0.036
Gm08	11246757	11246947	Gmdrm	hyper	CG	0.0333
Gm08	11459027	11459140	Gmdrm	hyper	CG	0.0317
Gm08	11468167	11468298	Gmdrm	hyper	CG	0.754
Gm08	11595689	11595925	Gmdrm	hyper	CG	0.06
Gm08	11766679	11766928	Gmdrm	hyper	CG	0.035
Gm08	12063373	12063574	Gmdrm	hyper	CG	0.465
Gm08	12255769	12255864	Gmdrm	hyper	CG	0.7143
Gm08	12321289	12321391	Gmdrm	hyper	CG	0.094
Gm08	12611100	12611118	Gmdrm	hyper	CG	0.1325
Gm08	13477892	13477988	Gmdrm	hyper	CG	0.1933
Gm08	13621505	13621615	Gmdrm	hyper	CG	0.7043
Gm08	13627407	13627515	Gmdrm	hyper	CG	0.046
Gm08	13792167	13792318	Gmdrm	hyper	CG	0.045
Gm08	13911175	13911414	Gmdrm	hyper	CG	0.0334
Gm08	13977588	13977679	Gmdrm	hyper	CG	0.625
Gm08	14034508	14034586	Gmdrm	hyper	CG	0.5043
Gm08	14104296	14104620	Gmdrm	hyper	CG	0.1983
Gm08	14213792	14213932	Gmdrm	hyper	CG	0.1229
Gm08	14241911	14242588	Gmdrm	hyper	CG	0.0251
Gm08	14797035	14797047	Gmdrm	hyper	CG	0.3583
Gm08	14864418	14864629	Gmdrm	hyper	CG	0.0271
Gm08	14970939	14971000	Gmdrm	hyper	CG	0.0725
Gm08	14971237	14971335	Gmdrm	hyper	CG	0.615
Gm08	14973390	14973526	Gmdrm	hyper	CG	0.52
Gm08	15015879	15016109	Gmdrm	hyper	CG	0.0367
Gm08	15041104	15041144	Gmdrm	hyper	CG	0.3964
Gm08	15268544	15268708	Gmdrm	hyper	CG	0.038
Gm08	15342131	15342467	Gmdrm	hyper	CG	0.058
Gm08	15344116	15344177	Gmdrm	hyper	CG	0.0943
Gm08	15378527	15378576	Gmdrm	hyper	CG	0.4933
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Gm08	15535280	15535518	Gmdrm	hyper	CG	0.4157
Gm08	16333800	16333861	Gmdrm	hyper	CG	0.6066
Gm08	16452044	16452128	Gmdrm	hyper	CG	0.6567
Gm08	16456181	16456221	Gmdrm	hyper	CG	0.7467
Gm08	16685604	16685810	Gmdrm	hyper	CG	0.0225
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Gm08	16766258	16766309	Gmdrm	hyper	CG	0.052
Gm08	16940798	16940848	Gmdrm	hyper	CG	0.052
Gm08	16975029	16975246	Gmdrm	hyper	CG	0.1193
Gm08	16976573	16976661	Gmdrm	hyper	CG	0.587
Gm08	17045760	17045862	Gmdrm	hyper	CG	0.5236
Gm08	17089332	17089422	Gmdrm	hyper	CG	0.715

Gm08	17174521	17174614	Gmdrm	hyper	CG	0.8462
Gm08	17183018	17183181	Gmdrm	hyper	CG	0.0257
Gm08	17346642	17346692	Gmdrm	hyper	CG	0.766
Gm08	17617115	17617197	Gmdrm	hyper	CG	0.7349
Gm08	17617335	17617538	Gmdrm	hyper	CG	0.39
Gm08	17671976	17672020	Gmdrm	hyper	CG	0.74
Gm08	17989597	17989808	Gmdrm	hyper	CG	0.0514
Gm08	17999198	17999336	Gmdrm	hyper	CG	0.0687
Gm08	18122660	18122729	Gmdrm	hyper	CG	0.6966
Gm08	18156875	18157164	Gmdrm	hyper	CG	0.3885
Gm08	18182641	18182782	Gmdrm	hyper	CG	0.03
Gm08	18510505	18510712	Gmdrm	hyper	CG	0.0714
Gm08	18598071	18598237	Gmdrm	hyper	CG	0.0275
Gm08	18786953	18787101	Gmdrm	hyper	CG	0.0435
Gm08	18787268	18787439	Gmdrm	hyper	CG	0.0725
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Gm08	19039952	19040041	Gmdrm	hyper	CG	0.075
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Gm08	19315947	19316047	Gmdrm	hyper	CG	0.0312
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Gm08	20599965	20600026	Gmdrm	hyper	CG	0.6983
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Gm08	20834698	20834814	Gmdrm	hyper	CG	0.5416
Gm08	21020790	21021753	Gmdrm	hyper	CG	0.0345
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Gm08	21501619	21501715	Gmdrm	hyper	CG	0.77

Gm08	21516213	21516305	Gmdrm	hyper	CG	0.1342
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Gm08	22214923	22215080	Gmdrm	hyper	CG	0.036
Gm08	22319266	22319337	Gmdrm	hyper	CG	0.293
Gm08	22449411	22449521	Gmdrm	hyper	CG	0.1067
Gm08	22607046	22607215	Gmdrm	hyper	CG	0.3404
Gm08	23194804	23194831	Gmdrm	hyper	CG	0.04
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Gm08	24845309	24845559	Gmdrm	hyper	CG	0.0383
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Gm08	25035836	25036114	Gmdrm	hyper	CG	0.05
Gm08	25134550	25134823	Gmdrm	hyper	CG	0.2218
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Gm08	25649654	25650031	Gmdrm	hyper	CG	0.0656

Gm08	25691213	25691341	Gmdrm	hyper	CG	0.1286
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Gm08	26614239	26614398	Gmdrm	hyper	CG	0.072
Gm08	26616962	26617429	Gmdrm	hyper	CG	0.0429
Gm08	26850810	26850817	Gmdrm	hyper	CG	0.0767
Gm08	26881126	26881544	Gmdrm	hyper	CG	0.076
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Gm08	27568121	27568287	Gmdrm	hyper	CG	0.115
Gm08	27688312	27688342	Gmdrm	hyper	CG	0.13
Gm08	27781787	27782085	Gmdrm	hyper	CG	0.106
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Gm08	28147615	28147957	Gmdrm	hyper	CG	0.0328
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Gm08	29183277	29183518	Gmdrm	hyper	CG	0.0587
Gm08	29280768	29280795	Gmdrm	hyper	CG	0.778
Gm08	29352987	29353002	Gmdrm	hyper	CG	0.445
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Gm08	29557015	29557038	Gmdrm	hyper	CG	0.0387
Gm08	29559149	29560112	Gmdrm	hyper	CG	0.0426
Gm08	29683687	29684332	Gmdrm	hyper	CG	0.0276
Gm08	29693444	29693683	Gmdrm	hyper	CG	0.1215
Gm08	29758704	29759701	Gmdrm	hyper	CG	0.0294
Gm08	29847287	29847343	Gmdrm	hyper	CG	0.048
Gm08	29850174	29850205	Gmdrm	hyper	CG	0.0583
Gm08	30179253	30179373	Gmdrm	hyper	CG	0.85

Gm08	30324929	30325132	Gmdrm	hyper	CG	0.0557
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Gm08	30422397	30422684	Gmdrm	hyper	CG	0.105
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Gm08	30556828	30557040	Gmdrm	hyper	CG	0.05
Gm08	30576148	30576292	Gmdrm	hyper	CG	0.0875
Gm08	30684975	30685502	Gmdrm	hyper	CG	0.0483
Gm08	30716792	30717104	Gmdrm	hyper	CG	0.074
Gm08	30782971	30783955	Gmdrm	hyper	CG	0.0262
Gm08	30788600	30789358	Gmdrm	hyper	CG	0.0226
Gm08	31009672	31009757	Gmdrm	hyper	CG	0.142
Gm08	31119337	31119747	Gmdrm	hyper	CG	0.1434
Gm08	31211433	31211789	Gmdrm	hyper	CG	0.1218
Gm08	31224688	31225318	Gmdrm	hyper	CG	0.0239
Gm08	31406012	31406319	Gmdrm	hyper	CG	0.0227
Gm08	31511126	31511209	Gmdrm	hyper	CG	0.0625
Gm08	31521410	31521501	Gmdrm	hyper	CG	0.5533
Gm08	31606826	31607523	Gmdrm	hyper	CG	0.0438
Gm08	31667943	31668128	Gmdrm	hyper	CG	0.0517
Gm08	31763185	31763198	Gmdrm	hyper	CG	0.9817
Gm08	31864556	31864639	Gmdrm	hyper	CG	0.9883
Gm08	31928604	31928732	Gmdrm	hyper	CG	0.071
Gm08	31962411	31962904	Gmdrm	hyper	CG	0.0338
Gm08	31974693	31974971	Gmdrm	hyper	CG	0.0422
Gm08	32111180	32111359	Gmdrm	hyper	CG	0.038
Gm08	32172821	32172932	Gmdrm	hyper	CG	0.065
Gm08	32199234	32199450	Gmdrm	hyper	CG	0.1056
Gm08	32223270	32223950	Gmdrm	hyper	CG	0.0259
Gm08	32300358	32300563	Gmdrm	hyper	CG	0.0788
Gm08	32406062	32406140	Gmdrm	hyper	CG	0.039
Gm08	32657293	32658256	Gmdrm	hyper	CG	0.0443
Gm08	32662304	32662924	Gmdrm	hyper	CG	0.0265
Gm08	32677323	32677957	Gmdrm	hyper	CG	0.0229
Gm08	32681584	32681821	Gmdrm	hyper	CG	0.0385
Gm08	32848954	32849430	Gmdrm	hyper	CG	0.0273
Gm08	32866464	32866638	Gmdrm	hyper	CG	0.0625
Gm08	33054664	33055004	Gmdrm	hyper	CG	0.0261
Gm08	33082307	33082717	Gmdrm	hyper	CG	0.0477
Gm08	33144029	33144107	Gmdrm	hyper	CG	0.0533
Gm08	33153911	33154453	Gmdrm	hyper	CG	0.0431
Gm08	33380718	33380947	Gmdrm	hyper	CG	0.067
Gm08	33599645	33599801	Gmdrm	hyper	CG	0.0336
Gm08	33667135	33667562	Gmdrm	hyper	CG	0.0765
Gm08	33718901	33719097	Gmdrm	hyper	CG	0.05
Gm08	33773914	33774397	Gmdrm	hyper	CG	0.0298
Gm08	33785755	33785788	Gmdrm	hyper	CG	0.03

Gm08	33801956	33802467	Gmdrm	hyper	CG	0.0316
Gm08	33959898	33959944	Gmdrm	hyper	CG	0.735
Gm08	34197210	34197315	Gmdrm	hyper	CG	0.101
Gm08	34607371	34607481	Gmdrm	hyper	CG	0.0914
Gm08	34623136	34623193	Gmdrm	hyper	CG	0.1
Gm08	34674650	34675398	Gmdrm	hyper	CG	0.0393
Gm08	34683828	34683941	Gmdrm	hyper	CG	0.044
Gm08	34690044	34690543	Gmdrm	hyper	CG	0.0352
Gm08	34690851	34690933	Gmdrm	hyper	CG	0.0483
Gm08	34694042	34694141	Gmdrm	hyper	CG	0.5312
Gm08	34746269	34746557	Gmdrm	hyper	CG	0.0297
Gm08	34825984	34826094	Gmdrm	hyper	CG	0.078
Gm08	34911165	34911282	Gmdrm	hyper	CG	0.0643
Gm08	34918037	34918210	Gmdrm	hyper	CG	0.048
Gm08	35126513	35126769	Gmdrm	hyper	CG	0.0369
Gm08	35143924	35144330	Gmdrm	hyper	CG	0.0339
Gm08	35285540	35285597	Gmdrm	hyper	CG	0.071
Gm08	35497931	35498110	Gmdrm	hyper	CG	0.041
Gm08	35527472	35527662	Gmdrm	hyper	CG	0.0312
Gm08	35592807	35592905	Gmdrm	hyper	CG	0.4616
Gm08	35764922	35765243	Gmdrm	hyper	CG	0.0469
Gm08	35856121	35856350	Gmdrm	hyper	CG	0.6339
Gm08	35869121	35869611	Gmdrm	hyper	CG	0.0416
Gm08	36303851	36304296	Gmdrm	hyper	CG	0.0741
Gm08	36512195	36512237	Gmdrm	hyper	CG	0.6783
Gm08	36889142	36889282	Gmdrm	hyper	CG	0.0485
Gm08	37031263	37031437	Gmdrm	hyper	CG	0.0236
Gm08	37072629	37072711	Gmdrm	hyper	CG	0.4134
Gm08	37465453	37465836	Gmdrm	hyper	CG	0.0567
Gm08	37474002	37474978	Gmdrm	hyper	CG	0.0347
Gm08	37511064	37511255	Gmdrm	hyper	CG	0.29
Gm08	37512851	37513038	Gmdrm	hyper	CG	0.2288
Gm08	37617069	37617673	Gmdrm	hyper	CG	0.0265
Gm08	37644373	37644824	Gmdrm	hyper	CG	0.0386
Gm08	37697721	37698588	Gmdrm	hyper	CG	0.0258
Gm08	37706208	37706872	Gmdrm	hyper	CG	0.0289
Gm08	38012105	38012215	Gmdrm	hyper	CG	0.0409
Gm08	38023855	38023876	Gmdrm	hyper	CG	0.5172
Gm08	38261447	38261654	Gmdrm	hyper	CG	0.038
Gm08	38273843	38273991	Gmdrm	hyper	CG	0.0394
Gm08	38480800	38480996	Gmdrm	hyper	CG	0.08
Gm08	38628535	38628584	Gmdrm	hyper	CG	0.0513
Gm08	38803466	38803689	Gmdrm	hyper	CG	0.3492
Gm08	39166496	39166792	Gmdrm	hyper	CG	0.5077
Gm08	39214833	39214970	Gmdrm	hyper	CG	0.04
Gm08	39245788	39246011	Gmdrm	hyper	CG	0.0287

Gm08	39301448	39301485	Gmdrm	hyper	CG	0.0344
Gm08	39354925	39355444	Gmdrm	hyper	CG	0.0333
Gm08	39363701	39364127	Gmdrm	hyper	CG	0.0459
Gm08	39446744	39446863	Gmdrm	hyper	CG	0.6512
Gm08	39512972	39513113	Gmdrm	hyper	CG	0.0417
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Gm08	39570684	39571180	Gmdrm	hyper	CG	0.0596
Gm08	39720865	39720965	Gmdrm	hyper	CG	0.6715
Gm08	39738726	39738837	Gmdrm	hyper	CG	0.51
Gm08	39739014	39739061	Gmdrm	hyper	CG	0.2166
Gm08	39786640	39786710	Gmdrm	hyper	CG	0.064
Gm08	40032406	40032456	Gmdrm	hyper	CG	0.5983
Gm08	40102568	40102670	Gmdrm	hyper	CG	0.5488
Gm08	40114527	40114675	Gmdrm	hyper	CG	0.0444
Gm08	40305874	40305895	Gmdrm	hyper	CG	0.8657
Gm08	40435476	40435567	Gmdrm	hyper	CG	0.12
Gm08	40470931	40471034	Gmdrm	hyper	CG	0.073
Gm08	40586744	40587334	Gmdrm	hyper	CG	0.0269
Gm08	40605651	40605857	Gmdrm	hyper	CG	0.0629
Gm08	40607183	40607331	Gmdrm	hyper	CG	0.0683
Gm08	40704333	40704412	Gmdrm	hyper	CG	0.76
Gm08	40772473	40772501	Gmdrm	hyper	CG	0.0733
Gm08	41048340	41048579	Gmdrm	hyper	CG	0.025
Gm08	41258319	41258332	Gmdrm	hyper	CG	0.75
Gm08	41367056	41367128	Gmdrm	hyper	CG	0.485
Gm08	41425951	41426150	Gmdrm	hyper	CG	0.028
Gm08	41551502	41551763	Gmdrm	hyper	CG	0.6983
Gm08	41630613	41630643	Gmdrm	hyper	CG	0.425
Gm08	41774416	41774558	Gmdrm	hyper	CG	0.12
Gm08	41807556	41807846	Gmdrm	hyper	CG	0.7059
Gm08	42040863	42041040	Gmdrm	hyper	CG	0.0613
Gm08	42077873	42078000	Gmdrm	hyper	CG	0.5389
Gm08	42131885	42131941	Gmdrm	hyper	CG	0.517
Gm08	42215920	42216050	Gmdrm	hyper	CG	0.0611
Gm08	42267632	42267864	Gmdrm	hyper	CG	0.0437
Gm08	42376136	42376291	Gmdrm	hyper	CG	0.0533
Gm08	42387346	42387371	Gmdrm	hyper	CG	0.0883
Gm08	42440525	42440722	Gmdrm	hyper	CG	0.0533
Gm08	42676088	42676316	Gmdrm	hyper	CG	0.049
Gm08	42766640	42766957	Gmdrm	hyper	CG	0.9392
Gm08	42767169	42767477	Gmdrm	hyper	CG	0.6443
Gm08	42817185	42817357	Gmdrm	hyper	CG	0.082
Gm08	42836661	42836684	Gmdrm	hyper	CG	0.6817
Gm08	42845746	42845879	Gmdrm	hyper	CG	0.0627
Gm08	42920596	42920641	Gmdrm	hyper	CG	0.705
Gm08	43105597	43105847	Gmdrm	hyper	CG	0.5294

Gm08	43122582	43122844	Gmdrm	hyper	CG	0.1761
Gm08	43468900	43468944	Gmdrm	hyper	CG	0.03
Gm08	43600364	43600383	Gmdrm	hyper	CG	0.1817
Gm08	43622402	43622415	Gmdrm	hyper	CG	0.9717
Gm08	43647081	43647366	Gmdrm	hyper	CG	0.06
Gm08	43718347	43718616	Gmdrm	hyper	CG	0.359
Gm08	43806098	43806125	Gmdrm	hyper	CG	0.14
Gm08	43816137	43816182	Gmdrm	hyper	CG	0.7167
Gm08	43880496	43880575	Gmdrm	hyper	CG	0.8267
Gm08	44243335	44243409	Gmdrm	hyper	CG	0.752
Gm08	44390914	44391008	Gmdrm	hyper	CG	0.035
Gm08	44447526	44447585	Gmdrm	hyper	CG	0.825
Gm08	44496922	44496983	Gmdrm	hyper	CG	0.03
Gm08	44564685	44564839	Gmdrm	hyper	CG	0.092
Gm08	44611590	44611775	Gmdrm	hyper	CG	0.12
Gm08	44644853	44644990	Gmdrm	hyper	CG	0.1425
Gm08	44810338	44810397	Gmdrm	hyper	CG	0.2884
Gm08	44949435	44949514	Gmdrm	hyper	CG	0.044
Gm08	44978970	44979087	Gmdrm	hyper	CG	0.3829
Gm08	45208605	45208938	Gmdrm	hyper	CG	0.0425
Gm08	45225270	45225453	Gmdrm	hyper	CG	0.5826
Gm08	45398066	45398144	Gmdrm	hyper	CG	0.2583
Gm08	45496519	45496660	Gmdrm	hyper	CG	0.0214
Gm08	45940505	45940848	Gmdrm	hyper	CG	0.0341
Gm08	46006954	46007178	Gmdrm	hyper	CG	0.0627
Gm08	46089136	46089327	Gmdrm	hyper	CG	0.082
Gm08	46182159	46182229	Gmdrm	hyper	CG	0.04
Gm08	46277716	46277868	Gmdrm	hyper	CG	0.0488
Gm08	46542400	46542528	Gmdrm	hyper	CG	0.7513
Gm08	46706886	46707052	Gmdrm	hyper	CG	0.2144
Gm08	47022282	47022345	Gmdrm	hyper	CG	0.67
Gm08	47132093	47132195	Gmdrm	hyper	CG	0.3929
Gm08	47167115	47167190	Gmdrm	hyper	CG	0.4233
Gm09	97008	97062	Gmdrm	hyper	CG	0.88
Gm09	289983	290138	Gmdrm	hyper	CG	0.5192
Gm09	312298	312351	Gmdrm	hyper	CG	0.6133
Gm09	359103	359952	Gmdrm	hyper	CG	0.3241
Gm09	441338	441618	Gmdrm	hyper	CG	0.6646
Gm09	778068	778093	Gmdrm	hyper	CG	0.776
Gm09	844069	844155	Gmdrm	hyper	CG	0.758
Gm09	1014778	1015019	Gmdrm	hyper	CG	0.6014
Gm09	1323046	1323065	Gmdrm	hyper	CG	0.2067
Gm09	1332239	1332283	Gmdrm	hyper	CG	0.712
Gm09	1377619	1377695	Gmdrm	hyper	CG	0.635
Gm09	1393037	1393063	Gmdrm	hyper	CG	0.0667
Gm09	1410862	1410930	Gmdrm	hyper	CG	0.405

Gm09	1470150	1470281	Gmdrm	hyper	CG	0.6111
Gm09	1495683	1495704	Gmdrm	hyper	CG	0.69
Gm09	1514550	1514626	Gmdrm	hyper	CG	0.048
Gm09	1625959	1626123	Gmdrm	hyper	CG	0.469
Gm09	1705392	1705460	Gmdrm	hyper	CG	0.6233
Gm09	1762816	1762871	Gmdrm	hyper	CG	0.5584
Gm09	1775388	1775481	Gmdrm	hyper	CG	0.732
Gm09	1834281	1834553	Gmdrm	hyper	CG	0.0417
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Gm09	1956219	1956360	Gmdrm	hyper	CG	0.048
Gm09	1987530	1987572	Gmdrm	hyper	CG	0.756
Gm09	2169506	2169579	Gmdrm	hyper	CG	0.0865
Gm09	2392891	2393035	Gmdrm	hyper	CG	0.858
Gm09	2535508	2535999	Gmdrm	hyper	CG	0.0342
Gm09	2539461	2539592	Gmdrm	hyper	CG	0.3563
Gm09	2546542	2546697	Gmdrm	hyper	CG	0.5187
Gm09	2573426	2573544	Gmdrm	hyper	CG	0.715
Gm09	2749161	2749188	Gmdrm	hyper	CG	0.944
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Gm09	2803256	2803272	Gmdrm	hyper	CG	0.5387
Gm09	2827525	2827623	Gmdrm	hyper	CG	0.3934
Gm09	2970400	2970663	Gmdrm	hyper	CG	0.5292
Gm09	2978876	2979039	Gmdrm	hyper	CG	0.046
Gm09	3215757	3215844	Gmdrm	hyper	CG	0.5644
Gm09	3355501	3355619	Gmdrm	hyper	CG	0.0633
Gm09	3743574	3743791	Gmdrm	hyper	CG	0.0483
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Gm09	4079996	4080175	Gmdrm	hyper	CG	0.2358
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Gm09	5267985	5267998	Gmdrm	hyper	CG	0.6933
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Gm09	5709116	5709208	Gmdrm	hyper	CG	0.048
Gm09	5732807	5733010	Gmdrm	hyper	CG	0.068
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Gm09	6311114	6311261	Gmdrm	hyper	CG	0.0362
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Gm09	9278084	9278433	Gmdrm	hyper	CG	0.0278
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Gm09	10154798	10155093	Gmdrm	hyper	CG	0.0824
Gm09	10195428	10195455	Gmdrm	hyper	CG	0.0663
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Gm09	10371267	10371311	Gmdrm	hyper	CG	0.665
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Gm09	11250353	11250498	Gmdrm	hyper	CG	0.045
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Gm09	11275550	11275726	Gmdrm	hyper	CG	0.0625
Gm09	11302688	11303434	Gmdrm	hyper	CG	0.0212
Gm09	11324933	11325139	Gmdrm	hyper	CG	0.535
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Gm09	11644009	11644249	Gmdrm	hyper	CG	0.059
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Gm09	11843124	11843164	Gmdrm	hyper	CG	0.0383
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Gm09	13285826	13285843	Gmdrm	hyper	CG	0.875
Gm09	13322813	13323048	Gmdrm	hyper	CG	0.0729
Gm09	13440521	13440550	Gmdrm	hyper	CG	0.175
Gm09	13639918	13640874	Gmdrm	hyper	CG	0.0293
Gm09	13649744	13650501	Gmdrm	hyper	CG	0.0373
Gm09	13699397	13699438	Gmdrm	hyper	CG	0.1117
Gm09	13702582	13703026	Gmdrm	hyper	CG	0.0446
Gm09	13742821	13743072	Gmdrm	hyper	CG	0.0661
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Gm09	13846909	13847899	Gmdrm	hyper	CG	0.0311
Gm09	13882412	13882502	Gmdrm	hyper	CG	0.1038
Gm09	13919348	13919485	Gmdrm	hyper	CG	0.0312
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Gm09	14493152	14493581	Gmdrm	hyper	CG	0.0495
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Gm09	14677586	14678033	Gmdrm	hyper	CG	0.0373
Gm09	14739567	14740028	Gmdrm	hyper	CG	0.0383
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Gm09	15186099	15187067	Gmdrm	hyper	CG	0.0326
Gm09	15328658	15329631	Gmdrm	hyper	CG	0.033
Gm09	15526212	15526264	Gmdrm	hyper	CG	0.0833
Gm09	15890030	15890190	Gmdrm	hyper	CG	0.0455
Gm09	15951057	15951153	Gmdrm	hyper	CG	0.0643

Gm09	15995978	15996155	Gmdrm	hyper	CG	0.065
Gm09	16001349	16001450	Gmdrm	hyper	CG	0.0717
Gm09	16320043	16320377	Gmdrm	hyper	CG	0.0342
Gm09	16428262	16429249	Gmdrm	hyper	CG	0.0245
Gm09	16483860	16483983	Gmdrm	hyper	CG	0.0833
Gm09	16489752	16489887	Gmdrm	hyper	CG	0.06
Gm09	16537564	16538017	Gmdrm	hyper	CG	0.051
Gm09	16578046	16578230	Gmdrm	hyper	CG	0.0923
Gm09	16655607	16655681	Gmdrm	hyper	CG	0.05
Gm09	16763619	16763639	Gmdrm	hyper	CG	0.06
Gm09	16793363	16793501	Gmdrm	hyper	CG	0.0571
Gm09	17020397	17021052	Gmdrm	hyper	CG	0.0313
Gm09	17058803	17059056	Gmdrm	hyper	CG	0.0923
Gm09	17131447	17131622	Gmdrm	hyper	CG	0.09
Gm09	17195131	17195233	Gmdrm	hyper	CG	0.0533
Gm09	17285696	17285719	Gmdrm	hyper	CG	0.045
Gm09	17287924	17288026	Gmdrm	hyper	CG	0.0662
Gm09	17498497	17498647	Gmdrm	hyper	CG	0.035
Gm09	17550828	17551044	Gmdrm	hyper	CG	0.0325
Gm09	17551496	17551550	Gmdrm	hyper	CG	0.062
Gm09	18152852	18153028	Gmdrm	hyper	CG	0.036
Gm09	18224241	18224361	Gmdrm	hyper	CG	0.0409
Gm09	18329100	18329325	Gmdrm	hyper	CG	0.0853
Gm09	18481232	18481394	Gmdrm	hyper	CG	0.038
Gm09	18504647	18504781	Gmdrm	hyper	CG	0.05
Gm09	18510062	18510231	Gmdrm	hyper	CG	0.0971
Gm09	18695436	18695527	Gmdrm	hyper	CG	0.7084
Gm09	19082096	19082414	Gmdrm	hyper	CG	0.0381
Gm09	19095469	19095489	Gmdrm	hyper	CG	0.0817
Gm09	19318148	19318475	Gmdrm	hyper	CG	0.0529
Gm09	19384112	19384156	Gmdrm	hyper	CG	0.0375
Gm09	19446079	19446271	Gmdrm	hyper	CG	0.0407
Gm09	19462617	19462657	Gmdrm	hyper	CG	0.0583
Gm09	19504873	19504947	Gmdrm	hyper	CG	0.0437
Gm09	19531007	19531273	Gmdrm	hyper	CG	0.071
Gm09	19537354	19537385	Gmdrm	hyper	CG	0.124
Gm09	19586117	19586226	Gmdrm	hyper	CG	0.1517
Gm09	19823462	19823552	Gmdrm	hyper	CG	0.1571
Gm09	20078879	20078950	Gmdrm	hyper	CG	0.09
Gm09	20251117	20251509	Gmdrm	hyper	CG	0.0433
Gm09	20522404	20523098	Gmdrm	hyper	CG	0.0344
Gm09	20523199	20523477	Gmdrm	hyper	CG	0.0571
Gm09	20882490	20882657	Gmdrm	hyper	CG	0.0536
Gm09	20909776	20910091	Gmdrm	hyper	CG	0.0312
Gm09	20976831	20977200	Gmdrm	hyper	CG	0.0814
Gm09	21078307	21078480	Gmdrm	hyper	CG	0.249

Gm09	21165230	21165251	Gmdrm	hyper	CG	0.8412
Gm09	21171564	21171638	Gmdrm	hyper	CG	0.6086
Gm09	21254608	21254768	Gmdrm	hyper	CG	0.08
Gm09	21310179	21310310	Gmdrm	hyper	CG	0.04
Gm09	21332856	21333081	Gmdrm	hyper	CG	0.0296
Gm09	21334013	21334636	Gmdrm	hyper	CG	0.0412
Gm09	21630372	21630940	Gmdrm	hyper	CG	0.0397
Gm09	21844953	21845362	Gmdrm	hyper	CG	0.0186
Gm09	22149666	22149778	Gmdrm	hyper	CG	0.0487
Gm09	22225661	22226091	Gmdrm	hyper	CG	0.0468
Gm09	22336483	22336675	Gmdrm	hyper	CG	0.076
Gm09	22363914	22363942	Gmdrm	hyper	CG	0.128
Gm09	22417492	22417781	Gmdrm	hyper	CG	0.0409
Gm09	22585499	22585581	Gmdrm	hyper	CG	0.0483
Gm09	22675939	22676111	Gmdrm	hyper	CG	0.0527
Gm09	22687151	22687296	Gmdrm	hyper	CG	0.06
Gm09	22752008	22752364	Gmdrm	hyper	CG	0.0439
Gm09	22834023	22834160	Gmdrm	hyper	CG	0.117
Gm09	22838851	22839221	Gmdrm	hyper	CG	0.0863
Gm09	22903755	22904755	Gmdrm	hyper	CG	0.0314
Gm09	22948487	22948773	Gmdrm	hyper	CG	0.1307
Gm09	23026674	23026971	Gmdrm	hyper	CG	0.0416
Gm09	23029834	23029922	Gmdrm	hyper	CG	0.0467
Gm09	23179433	23179807	Gmdrm	hyper	CG	0.0767
Gm09	23221335	23222100	Gmdrm	hyper	CG	0.031
Gm09	23281411	23282411	Gmdrm	hyper	CG	0.0289
Gm09	23354143	23354313	Gmdrm	hyper	CG	0.6087
Gm09	23431253	23431349	Gmdrm	hyper	CG	0.04
Gm09	25477195	25477291	Gmdrm	hyper	CG	0.2829
Gm09	25541901	25541972	Gmdrm	hyper	CG	0.05
Gm09	25561565	25562117	Gmdrm	hyper	CG	0.0208
Gm09	25571000	25571115	Gmdrm	hyper	CG	0.6033
Gm09	25659215	25659254	Gmdrm	hyper	CG	0.8071
Gm09	25824115	25824149	Gmdrm	hyper	CG	0.075
Gm09	25837685	25838109	Gmdrm	hyper	CG	0.0354
Gm09	25893696	25893896	Gmdrm	hyper	CG	0.0708
Gm09	26201948	26202030	Gmdrm	hyper	CG	0.04
Gm09	26314408	26314768	Gmdrm	hyper	CG	0.0679
Gm09	26340123	26340278	Gmdrm	hyper	CG	0.064
Gm09	26348015	26348753	Gmdrm	hyper	CG	0.0439
Gm09	26374563	26375034	Gmdrm	hyper	CG	0.0284
Gm09	26426773	26426844	Gmdrm	hyper	CG	0.0571
Gm09	26565101	26565404	Gmdrm	hyper	CG	0.0333
Gm09	26565773	26566126	Gmdrm	hyper	CG	0.0443
Gm09	26666930	26667094	Gmdrm	hyper	CG	0.0845
Gm09	26705229	26705322	Gmdrm	hyper	CG	0.1022

Gm09	26758312	26758700	Gmdrm	hyper	CG	0.0251
Gm09	27131914	27132048	Gmdrm	hyper	CG	0.0786
Gm09	27264494	27264824	Gmdrm	hyper	CG	0.0323
Gm09	27304352	27304781	Gmdrm	hyper	CG	0.052
Gm09	27370563	27370633	Gmdrm	hyper	CG	0.1713
Gm09	27488770	27488846	Gmdrm	hyper	CG	0.2
Gm09	27542171	27542709	Gmdrm	hyper	CG	0.055
Gm09	27552721	27553572	Gmdrm	hyper	CG	0.0341
Gm09	27567497	27567568	Gmdrm	hyper	CG	0.8711
Gm09	27620876	27621076	Gmdrm	hyper	CG	0.0719
Gm09	27639727	27640296	Gmdrm	hyper	CG	0.0437
Gm09	27735324	27735417	Gmdrm	hyper	CG	0.086
Gm09	27836563	27836579	Gmdrm	hyper	CG	0.694
Gm09	27867596	27868012	Gmdrm	hyper	CG	0.0529
Gm09	27903925	27904077	Gmdrm	hyper	CG	0.4125
Gm09	27962416	27962427	Gmdrm	hyper	CG	0.9825
Gm09	28010453	28011420	Gmdrm	hyper	CG	0.0302
Gm09	28345568	28345779	Gmdrm	hyper	CG	0.0455
Gm09	28398013	28398177	Gmdrm	hyper	CG	0.042
Gm09	28451602	28451699	Gmdrm	hyper	CG	0.0562
Gm09	28506667	28506805	Gmdrm	hyper	CG	0.045
Gm09	28556971	28557021	Gmdrm	hyper	CG	0.0433
Gm09	28632762	28632915	Gmdrm	hyper	CG	0.09
Gm09	28803450	28804446	Gmdrm	hyper	CG	0.0289
Gm09	29091678	29091762	Gmdrm	hyper	CG	0.1683
Gm09	29234746	29234838	Gmdrm	hyper	CG	0.056
Gm09	29348234	29348381	Gmdrm	hyper	CG	0.0936
Gm09	29639532	29639705	Gmdrm	hyper	CG	0.0863
Gm09	30238187	30238250	Gmdrm	hyper	CG	0.055
Gm09	30297159	30297190	Gmdrm	hyper	CG	0.05
Gm09	30390950	30390990	Gmdrm	hyper	CG	0.0825
Gm09	30416425	30416879	Gmdrm	hyper	CG	0.0443
Gm09	30512936	30513161	Gmdrm	hyper	CG	0.0441
Gm09	30551009	30551045	Gmdrm	hyper	CG	0.056
Gm09	30573583	30573685	Gmdrm	hyper	CG	0.1736
Gm09	30605036	30605335	Gmdrm	hyper	CG	0.0922
Gm09	30674454	30674682	Gmdrm	hyper	CG	0.0792
Gm09	30693657	30694110	Gmdrm	hyper	CG	0.0565
Gm09	30760016	30760035	Gmdrm	hyper	CG	0.665
Gm09	30776067	30776278	Gmdrm	hyper	CG	0.0475
Gm09	30809347	30809552	Gmdrm	hyper	CG	0.0359
Gm09	30923879	30923960	Gmdrm	hyper	CG	0.025
Gm09	30998471	30998700	Gmdrm	hyper	CG	0.0346
Gm09	31014897	31015467	Gmdrm	hyper	CG	0.0309
Gm09	31016176	31016326	Gmdrm	hyper	CG	0.1
Gm09	31025537	31025653	Gmdrm	hyper	CG	0.0543

Gm09	31097459	31097536	Gmdrm	hyper	CG	0.1583
Gm09	31156003	31156146	Gmdrm	hyper	CG	0.0844
Gm09	31273020	31273317	Gmdrm	hyper	CG	0.0773
Gm09	31308790	31308920	Gmdrm	hyper	CG	0.0392
Gm09	31609252	31609654	Gmdrm	hyper	CG	0.1119
Gm09	31677532	31677816	Gmdrm	hyper	CG	0.063
Gm09	31831239	31831347	Gmdrm	hyper	CG	0.1034
Gm09	31909661	31910067	Gmdrm	hyper	CG	0.0673
Gm09	31935670	31935763	Gmdrm	hyper	CG	0.096
Gm09	32042823	32042950	Gmdrm	hyper	CG	0.7317
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Gm09	32221514	32221556	Gmdrm	hyper	CG	0.6567
Gm09	32227922	32228275	Gmdrm	hyper	CG	0.0691
Gm09	32440918	32441077	Gmdrm	hyper	CG	0.745
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Gm09	32603547	32603685	Gmdrm	hyper	CG	0.0455
Gm09	32636246	32636477	Gmdrm	hyper	CG	0.038
Gm09	32680413	32680453	Gmdrm	hyper	CG	0.0517
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Gm09	32778772	32779249	Gmdrm	hyper	CG	0.0416
Gm09	32827229	32827987	Gmdrm	hyper	CG	0.022
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Gm09	32989439	32989968	Gmdrm	hyper	CG	0.0344
Gm09	33047040	33047354	Gmdrm	hyper	CG	0.0472
Gm09	33058477	33058530	Gmdrm	hyper	CG	0.12
Gm09	33065162	33065467	Gmdrm	hyper	CG	0.0372
Gm09	33081646	33081762	Gmdrm	hyper	CG	0.05
Gm09	33095139	33095206	Gmdrm	hyper	CG	0.8783
Gm09	33137484	33137881	Gmdrm	hyper	CG	0.0491
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Gm09	33363947	33364101	Gmdrm	hyper	CG	0.0667
Gm09	33479326	33479416	Gmdrm	hyper	CG	0.065
Gm09	33484237	33484809	Gmdrm	hyper	CG	0.2425
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Gm09	33878821	33878927	Gmdrm	hyper	CG	0.0488
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Gm09	34199484	34199603	Gmdrm	hyper	CG	0.078
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Gm09	34814536	34814659	Gmdrm	hyper	CG	0.11
Gm09	34858136	34858223	Gmdrm	hyper	CG	0.9433
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Gm09	34956286	34956378	Gmdrm	hyper	CG	0.0533
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Gm09	43958537	43958556	Gmdrm	hyper	CG	0.828
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Gm09	44157244	44157437	Gmdrm	hyper	CG	0.062
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Gm09	45076372	45076419	Gmdrm	hyper	CG	0.054
Gm09	45193569	45193682	Gmdrm	hyper	CG	0.448
Gm09	45203590	45203890	Gmdrm	hyper	CG	0.3473
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Gm09	45533776	45533812	Gmdrm	hyper	CG	0.7617
Gm09	45608277	45608485	Gmdrm	hyper	CG	0.0222
Gm09	45696961	45696997	Gmdrm	hyper	CG	0.055
Gm09	45813879	45813981	Gmdrm	hyper	CG	0.2695
Gm09	46005760	46005944	Gmdrm	hyper	CG	0.0312
Gm09	46220873	46220906	Gmdrm	hyper	CG	0.0487
Gm09	46244754	46244813	Gmdrm	hyper	CG	0.922
Gm09	46692902	46692926	Gmdrm	hyper	CG	0.77
Gm09	46718031	46718429	Gmdrm	hyper	CG	0.0462
Gm09	46866546	46866630	Gmdrm	hyper	CG	0.044
Gm09	46913376	46913568	Gmdrm	hyper	CG	0.0517
Gm09	47073680	47073930	Gmdrm	hyper	CG	0.0443
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Gm09	47631580	47631659	Gmdrm	hyper	CG	0.6517
Gm09	47691180	47691255	Gmdrm	hyper	CG	0.776
Gm09	47780240	47780293	Gmdrm	hyper	CG	0.0483
Gm09	47870880	47871043	Gmdrm	hyper	CG	0.032
Gm09	47876161	47876200	Gmdrm	hyper	CG	0.6817
Gm09	47898773	47898896	Gmdrm	hyper	CG	0.0525
Gm09	47953727	47953823	Gmdrm	hyper	CG	0.2683
Gm09	48121145	48121268	Gmdrm	hyper	CG	0.5914
Gm09	48201903	48202042	Gmdrm	hyper	CG	0.068
Gm09	48338130	48338188	Gmdrm	hyper	CG	0.635
Gm09	48744306	48744501	Gmdrm	hyper	CG	0.054
Gm09	48753836	48753862	Gmdrm	hyper	CG	0.4189
Gm09	48880436	48881430	Gmdrm	hyper	CG	0.0259
Gm09	48884014	48884121	Gmdrm	hyper	CG	0.09
Gm09	48953123	48953162	Gmdrm	hyper	CG	0.9867
Gm09	49040636	49040650	Gmdrm	hyper	CG	0.9517
Gm09	49746563	49746807	Gmdrm	hyper	CG	0.045
Gm09	49851350	49851398	Gmdrm	hyper	CG	0.26
Gm09	49923293	49923416	Gmdrm	hyper	CG	0.84
Gm09	49923519	49923688	Gmdrm	hyper	CG	0.4938

Gm09	50317202	50317330	Gmdrm	hyper	CG	0.33
Gm09	50414344	50414525	Gmdrm	hyper	CG	0.0825
Gm09	50571065	50571094	Gmdrm	hyper	CG	0.3684
Gm09_scaffol	42479	42607	Gmdrm	hyper	CG	0.796
Gm10	116501	116700	Gmdrm	hyper	CG	0.0372
Gm10	410077	410152	Gmdrm	hyper	CG	0.17
Gm10	515759	515778	Gmdrm	hyper	CG	0.178
Gm10	585348	585389	Gmdrm	hyper	CG	0.0487
Gm10	746910	747027	Gmdrm	hyper	CG	0.3686
Gm10	789234	789468	Gmdrm	hyper	CG	0.3708
Gm10	851269	851433	Gmdrm	hyper	CG	0.5646
Gm10	914764	914833	Gmdrm	hyper	CG	0.982
Gm10	1319649	1319889	Gmdrm	hyper	CG	0.035
Gm10	1443322	1443345	Gmdrm	hyper	CG	0.548
Gm10	1463445	1463510	Gmdrm	hyper	CG	0.105
Gm10	1480766	1480808	Gmdrm	hyper	CG	0.423
Gm10	1602288	1602462	Gmdrm	hyper	CG	0.054
Gm10	1631671	1631680	Gmdrm	hyper	CG	0.9717
Gm10	1894143	1894247	Gmdrm	hyper	CG	0.784
Gm10	1956657	1956938	Gmdrm	hyper	CG	0.59
Gm10	2058383	2058511	Gmdrm	hyper	CG	0.0414
Gm10	2109665	2109682	Gmdrm	hyper	CG	0.985
Gm10	2196951	2197002	Gmdrm	hyper	CG	0.114
Gm10	2322859	2323030	Gmdrm	hyper	CG	0.0625
Gm10	2396019	2396226	Gmdrm	hyper	CG	0.0433
Gm10	2424822	2424882	Gmdrm	hyper	CG	0.786
Gm10	2503483	2503526	Gmdrm	hyper	CG	0.56
Gm10	2531830	2531873	Gmdrm	hyper	CG	0.4767
Gm10	2716365	2716530	Gmdrm	hyper	CG	0.054
Gm10	2727263	2727352	Gmdrm	hyper	CG	0.3041
Gm10	2753265	2753442	Gmdrm	hyper	CG	0.03
Gm10	2838804	2838943	Gmdrm	hyper	CG	0.06
Gm10	2867413	2867638	Gmdrm	hyper	CG	0.0379
Gm10	3148821	3148881	Gmdrm	hyper	CG	0.4622
Gm10	3387948	3388079	Gmdrm	hyper	CG	0.0487
Gm10	3439050	3439211	Gmdrm	hyper	CG	0.754
Gm10	3459535	3459619	Gmdrm	hyper	CG	0.6016
Gm10	3468406	3468429	Gmdrm	hyper	CG	0.2557
Gm10	3570600	3571547	Gmdrm	hyper	CG	0.03
Gm10	3682562	3682787	Gmdrm	hyper	CG	0.0525
Gm10	3932170	3932332	Gmdrm	hyper	CG	0.048
Gm10	4012566	4012624	Gmdrm	hyper	CG	0.08
Gm10	4068885	4069050	Gmdrm	hyper	CG	0.044
Gm10	4248522	4248578	Gmdrm	hyper	CG	0.8817
Gm10	4320583	4320714	Gmdrm	hyper	CG	0.0242
Gm10	4558617	4558912	Gmdrm	hyper	CG	0.0694

Gm10	4619407	4619804	Gmdrm	hyper	CG	0.0661
Gm10	4687754	4688032	Gmdrm	hyper	CG	0.0385
Gm10	4708323	4708341	Gmdrm	hyper	CG	0.055
Gm10	4877087	4877299	Gmdrm	hyper	CG	0.7563
Gm10	5050873	5051016	Gmdrm	hyper	CG	0.3446
Gm10	5071473	5071640	Gmdrm	hyper	CG	0.0463
Gm10	5241364	5241381	Gmdrm	hyper	CG	0.592
Gm10	5425154	5425436	Gmdrm	hyper	CG	0.0758
Gm10	5459565	5459635	Gmdrm	hyper	CG	0.205
Gm10	5491111	5491155	Gmdrm	hyper	CG	0.812
Gm10	5492643	5492732	Gmdrm	hyper	CG	0.732
Gm10	5565099	5566095	Gmdrm	hyper	CG	0.0245
Gm10	5734196	5734241	Gmdrm	hyper	CG	0.5767
Gm10	5800524	5800932	Gmdrm	hyper	CG	0.2595
Gm10	5834727	5835021	Gmdrm	hyper	CG	0.592
Gm10	5959843	5959924	Gmdrm	hyper	CG	0.56
Gm10	5986335	5986406	Gmdrm	hyper	CG	0.086
Gm10	6135645	6135685	Gmdrm	hyper	CG	0.6357
Gm10	6239620	6239748	Gmdrm	hyper	CG	0.0657
Gm10	6639276	6639372	Gmdrm	hyper	CG	0.4083
Gm10	6652857	6652946	Gmdrm	hyper	CG	0.8083
Gm10	6657680	6657723	Gmdrm	hyper	CG	0.138
Gm10	6669669	6669737	Gmdrm	hyper	CG	0.764
Gm10	6743949	6744123	Gmdrm	hyper	CG	0.4217
Gm10	6779062	6779115	Gmdrm	hyper	CG	0.4083
Gm10	6804532	6804681	Gmdrm	hyper	CG	0.048
Gm10	6805853	6806054	Gmdrm	hyper	CG	0.0712
Gm10	6838636	6838801	Gmdrm	hyper	CG	0.0444
Gm10	6838903	6839038	Gmdrm	hyper	CG	0.0486
Gm10	6956585	6957205	Gmdrm	hyper	CG	0.05
Gm10	6991250	6991422	Gmdrm	hyper	CG	0.0293
Gm10	7039960	7040045	Gmdrm	hyper	CG	0.12
Gm10	7066979	7067765	Gmdrm	hyper	CG	0.0358
Gm10	7073320	7073763	Gmdrm	hyper	CG	0.0575
Gm10	7108714	7109023	Gmdrm	hyper	CG	0.0429
Gm10	7156311	7156556	Gmdrm	hyper	CG	0.0411
Gm10	7405989	7406069	Gmdrm	hyper	CG	0.0387
Gm10	7427499	7428160	Gmdrm	hyper	CG	0.0252
Gm10	7456035	7456080	Gmdrm	hyper	CG	0.0583
Gm10	7472533	7472631	Gmdrm	hyper	CG	0.088
Gm10	7489777	7489852	Gmdrm	hyper	CG	0.9334
Gm10	7561751	7561788	Gmdrm	hyper	CG	0.065
Gm10	7680797	7680867	Gmdrm	hyper	CG	0.418
Gm10	7777987	7778399	Gmdrm	hyper	CG	0.0463
Gm10	7857128	7857478	Gmdrm	hyper	CG	0.0717
Gm10	7981426	7982141	Gmdrm	hyper	CG	0.0438

Gm10	7984379	7984458	Gmdrm	hyper	CG	0.048
Gm10	8013308	8013353	Gmdrm	hyper	CG	0.0767
Gm10	8015759	8015893	Gmdrm	hyper	CG	0.0817
Gm10	8027568	8027646	Gmdrm	hyper	CG	0.0575
Gm10	8237287	8237407	Gmdrm	hyper	CG	0.075
Gm10	8247317	8247389	Gmdrm	hyper	CG	0.09
Gm10	8264174	8264481	Gmdrm	hyper	CG	0.033
Gm10	8271612	8271740	Gmdrm	hyper	CG	0.0887
Gm10	8275285	8275370	Gmdrm	hyper	CG	0.07
Gm10	8338951	8338991	Gmdrm	hyper	CG	0.16
Gm10	8554895	8555536	Gmdrm	hyper	CG	0.0815
Gm10	8567307	8567622	Gmdrm	hyper	CG	0.0237
Gm10	8746587	8746693	Gmdrm	hyper	CG	0.0558
Gm10	8831942	8832009	Gmdrm	hyper	CG	0.5674
Gm10	8873618	8873770	Gmdrm	hyper	CG	0.4567
Gm10	9027148	9027249	Gmdrm	hyper	CG	0.052
Gm10	9032841	9033080	Gmdrm	hyper	CG	0.2327
Gm10	9390381	9390407	Gmdrm	hyper	CG	0.0567
Gm10	9574613	9575372	Gmdrm	hyper	CG	0.0438
Gm10	9840833	9841076	Gmdrm	hyper	CG	0.0482
Gm10	9883214	9883303	Gmdrm	hyper	CG	0.054
Gm10	10009656	10009683	Gmdrm	hyper	CG	0.91
Gm10	10106372	10106431	Gmdrm	hyper	CG	0.2
Gm10	10139284	10139341	Gmdrm	hyper	CG	0.038
Gm10	10160744	10160888	Gmdrm	hyper	CG	0.0633
Gm10	10163079	10163123	Gmdrm	hyper	CG	0.6
Gm10	10456834	10457011	Gmdrm	hyper	CG	0.6583
Gm10	10494179	10494862	Gmdrm	hyper	CG	0.0321
Gm10	10530891	10531008	Gmdrm	hyper	CG	0.0388
Gm10	10534416	10534796	Gmdrm	hyper	CG	0.0257
Gm10	10683018	10683050	Gmdrm	hyper	CG	0.6516
Gm10	10708535	10708941	Gmdrm	hyper	CG	0.0588
Gm10	10739218	10740055	Gmdrm	hyper	CG	0.0333
Gm10	10759605	10759726	Gmdrm	hyper	CG	0.1029
Gm10	10781507	10781728	Gmdrm	hyper	CG	0.0375
Gm10	10862611	10862798	Gmdrm	hyper	CG	0.0511
Gm10	10902828	10903109	Gmdrm	hyper	CG	0.1987
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Gm10	11121230	11122217	Gmdrm	hyper	CG	0.0289
Gm10	11211506	11212262	Gmdrm	hyper	CG	0.0307
Gm10	11222427	11223195	Gmdrm	hyper	CG	0.0261
Gm10	11492397	11492661	Gmdrm	hyper	CG	0.0462
Gm10	11500879	11501067	Gmdrm	hyper	CG	0.0736
Gm10	11534593	11535088	Gmdrm	hyper	CG	0.0465
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Gm10	11738755	11738783	Gmdrm	hyper	CG	0.6616
Gm10	11799775	11799868	Gmdrm	hyper	CG	0.954
Gm10	11842546	11842758	Gmdrm	hyper	CG	0.4533
Gm10	11887689	11888081	Gmdrm	hyper	CG	0.0346
Gm10	11910735	11910885	Gmdrm	hyper	CG	0.6417
Gm10	11915051	11915263	Gmdrm	hyper	CG	0.0573
Gm10	12050608	12050701	Gmdrm	hyper	CG	0.0525
Gm10	12123427	12123560	Gmdrm	hyper	CG	0.0767
Gm10	12280530	12280628	Gmdrm	hyper	CG	0.348
Gm10	12310560	12310695	Gmdrm	hyper	CG	0.066
Gm10	12328083	12328182	Gmdrm	hyper	CG	0.5433
Gm10	12473634	12473854	Gmdrm	hyper	CG	0.6871
Gm10	12625946	12626123	Gmdrm	hyper	CG	0.0782
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Gm10	12782878	12783117	Gmdrm	hyper	CG	0.024
Gm10	12803809	12803823	Gmdrm	hyper	CG	0.7683
Gm10	12839685	12839818	Gmdrm	hyper	CG	0.0738
Gm10	12843843	12843975	Gmdrm	hyper	CG	0.1366
Gm10	12865534	12865656	Gmdrm	hyper	CG	0.1
Gm10	12939985	12940055	Gmdrm	hyper	CG	0.5644
Gm10	13017467	13017479	Gmdrm	hyper	CG	0.435
Gm10	13177102	13177236	Gmdrm	hyper	CG	0.047
Gm10	13274639	13274672	Gmdrm	hyper	CG	0.4122
Gm10	13304527	13304605	Gmdrm	hyper	CG	0.546
Gm10	13357699	13357790	Gmdrm	hyper	CG	0.63
Gm10	13398022	13398059	Gmdrm	hyper	CG	0.734
Gm10	13485167	13485384	Gmdrm	hyper	CG	0.054
Gm10	13542375	13542602	Gmdrm	hyper	CG	0.055
Gm10	13554868	13554978	Gmdrm	hyper	CG	0.0537
Gm10	13681327	13681487	Gmdrm	hyper	CG	0.0545
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Gm10	14159980	14160269	Gmdrm	hyper	CG	0.1064
Gm10	14488404	14488505	Gmdrm	hyper	CG	0.0689
Gm10	14733996	14734013	Gmdrm	hyper	CG	0.0833
Gm10	14755085	14755176	Gmdrm	hyper	CG	0.036
Gm10	14766606	14767574	Gmdrm	hyper	CG	0.0527
Gm10	14820112	14820317	Gmdrm	hyper	CG	0.1256
Gm10	15098112	15098138	Gmdrm	hyper	CG	0.321
Gm10	15416343	15416454	Gmdrm	hyper	CG	0.8617
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Gm10	15457259	15457714	Gmdrm	hyper	CG	0.0403
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Gm10	15835034	15835233	Gmdrm	hyper	CG	0.0191
Gm10	16001388	16002199	Gmdrm	hyper	CG	0.0346
Gm10	16020119	16020287	Gmdrm	hyper	CG	0.0513
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Gm10	16897175	16897370	Gmdrm	hyper	CG	0.0485
Gm10	16957040	16957470	Gmdrm	hyper	CG	0.0721
Gm10	17129466	17129880	Gmdrm	hyper	CG	0.0557
Gm10	17142083	17142190	Gmdrm	hyper	CG	0.033
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Gm10	17427888	17427994	Gmdrm	hyper	CG	0.0217
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Gm10	17876975	17877086	Gmdrm	hyper	CG	0.1022
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Gm10	18620940	18621388	Gmdrm	hyper	CG	0.0492
Gm10	18915020	18915325	Gmdrm	hyper	CG	0.0509
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Gm10	19096430	19096554	Gmdrm	hyper	CG	0.3543
Gm10	19160048	19160276	Gmdrm	hyper	CG	0.0955
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Gm10	19929186	19929211	Gmdrm	hyper	CG	0.0566
Gm10	19957467	19957675	Gmdrm	hyper	CG	0.08
Gm10	19966489	19966554	Gmdrm	hyper	CG	0.069
Gm10	20019641	20019997	Gmdrm	hyper	CG	0.0386
Gm10	20022892	20023178	Gmdrm	hyper	CG	0.0384
Gm10	20151340	20151407	Gmdrm	hyper	CG	0.0488
Gm10	20206440	20206852	Gmdrm	hyper	CG	0.0322

Gm10	20244533	20244675	Gmdrm	hyper	CG	0.06
Gm10	20332219	20332703	Gmdrm	hyper	CG	0.0363
Gm10	20446931	20447065	Gmdrm	hyper	CG	0.0554
Gm10	20491811	20492041	Gmdrm	hyper	CG	0.0592
Gm10	20533203	20533329	Gmdrm	hyper	CG	0.0684
Gm10	20533439	20533766	Gmdrm	hyper	CG	0.0241
Gm10	20616461	20616750	Gmdrm	hyper	CG	0.0512
Gm10	20869038	20870030	Gmdrm	hyper	CG	0.0294
Gm10	20873394	20874385	Gmdrm	hyper	CG	0.0122
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Gm10	21129613	21129639	Gmdrm	hyper	CG	0.5733
Gm10	21459824	21460180	Gmdrm	hyper	CG	0.0307
Gm10	21668885	21668947	Gmdrm	hyper	CG	0.0663
Gm10	21811646	21812266	Gmdrm	hyper	CG	0.0273
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Gm10	21969296	21969941	Gmdrm	hyper	CG	0.0349
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Gm10	22096200	22096239	Gmdrm	hyper	CG	0.082
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Gm10	22246462	22246622	Gmdrm	hyper	CG	0.0506
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Gm10	22312909	22313039	Gmdrm	hyper	CG	0.1475
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Gm10	22377796	22377849	Gmdrm	hyper	CG	0.46
Gm10	22639487	22639696	Gmdrm	hyper	CG	0.1167
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Gm10	22766600	22766739	Gmdrm	hyper	CG	0.0612
Gm10	22891108	22891339	Gmdrm	hyper	CG	0.1134
Gm10	22933740	22933834	Gmdrm	hyper	CG	0.285
Gm10	23069888	23070305	Gmdrm	hyper	CG	0.0457
Gm10	23216610	23216763	Gmdrm	hyper	CG	0.0458
Gm10	23330126	23330320	Gmdrm	hyper	CG	0.0891
Gm10	23603060	23603392	Gmdrm	hyper	CG	0.0305
Gm10	23605529	23605577	Gmdrm	hyper	CG	0.0933
Gm10	24072881	24073147	Gmdrm	hyper	CG	0.0481
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Gm10	24277955	24278235	Gmdrm	hyper	CG	0.052
Gm10	24303048	24303245	Gmdrm	hyper	CG	0.1
Gm10	24381640	24381777	Gmdrm	hyper	CG	0.0967
Gm10	24408095	24408309	Gmdrm	hyper	CG	0.0316
Gm10	24427591	24428147	Gmdrm	hyper	CG	0.0421
Gm10	24470619	24470707	Gmdrm	hyper	CG	0.106

Gm10	24965110	24965159	Gmdrm	hyper	CG	0.062
Gm10	24965284	24965351	Gmdrm	hyper	CG	0.0714
Gm10	25126484	25126558	Gmdrm	hyper	CG	0.0817
Gm10	25171131	25171216	Gmdrm	hyper	CG	0.6533
Gm10	25261610	25261780	Gmdrm	hyper	CG	0.44
Gm10	25286652	25286866	Gmdrm	hyper	CG	0.0283
Gm10	25365363	25365551	Gmdrm	hyper	CG	0.0463
Gm10	25491445	25491536	Gmdrm	hyper	CG	0.0566
Gm10	25576394	25576407	Gmdrm	hyper	CG	0.85
Gm10	25629891	25629917	Gmdrm	hyper	CG	0.084
Gm10	25706831	25707801	Gmdrm	hyper	CG	0.036
Gm10	25733763	25734028	Gmdrm	hyper	CG	0.0188
Gm10	25795219	25795765	Gmdrm	hyper	CG	0.0217
Gm10	25807583	25807780	Gmdrm	hyper	CG	0.032
Gm10	25859178	25859469	Gmdrm	hyper	CG	0.0625
Gm10	25913935	25914234	Gmdrm	hyper	CG	0.0714
Gm10	25922548	25922609	Gmdrm	hyper	CG	0.6917
Gm10	25998536	25998558	Gmdrm	hyper	CG	0.0551
Gm10	26057038	26057271	Gmdrm	hyper	CG	0.1164
Gm10	26395252	26395308	Gmdrm	hyper	CG	0.058
Gm10	26398865	26398950	Gmdrm	hyper	CG	0.07
Gm10	26423212	26423558	Gmdrm	hyper	CG	0.0307
Gm10	26508264	26508380	Gmdrm	hyper	CG	0.0957
Gm10	26548752	26548804	Gmdrm	hyper	CG	0.8634
Gm10	26636111	26636315	Gmdrm	hyper	CG	0.0489
Gm10	26787531	26787699	Gmdrm	hyper	CG	0.0875
Gm10	26798625	26798854	Gmdrm	hyper	CG	0.05
Gm10	27014797	27014957	Gmdrm	hyper	CG	0.0454
Gm10	27085791	27085998	Gmdrm	hyper	CG	0.089
Gm10	27102924	27103250	Gmdrm	hyper	CG	0.4045
Gm10	27177839	27178135	Gmdrm	hyper	CG	0.0521
Gm10	27269480	27269691	Gmdrm	hyper	CG	0.0389
Gm10	27284751	27284919	Gmdrm	hyper	CG	0.0396
Gm10	27485517	27485594	Gmdrm	hyper	CG	0.3725
Gm10	27609687	27610685	Gmdrm	hyper	CG	0.0267
Gm10	27656262	27656325	Gmdrm	hyper	CG	0.0243
Gm10	27717671	27717958	Gmdrm	hyper	CG	0.0685
Gm10	27730380	27730589	Gmdrm	hyper	CG	0.0783
Gm10	27774841	27774899	Gmdrm	hyper	CG	0.0336
Gm10	28251861	28252060	Gmdrm	hyper	CG	0.0886
Gm10	28422549	28422851	Gmdrm	hyper	CG	0.1
Gm10	28549424	28549749	Gmdrm	hyper	CG	0.0478
Gm10	28656633	28656719	Gmdrm	hyper	CG	0.083
Gm10	28672780	28672997	Gmdrm	hyper	CG	0.2954
Gm10	28745019	28745569	Gmdrm	hyper	CG	0.06
Gm10	28771959	28772403	Gmdrm	hyper	CG	0.0392

Gm10	29082433	29082526	Gmdrm	hyper	CG	0.0433
Gm10	29265660	29265834	Gmdrm	hyper	CG	0.6625
Gm10	29460145	29460442	Gmdrm	hyper	CG	0.0304
Gm10	29480406	29480424	Gmdrm	hyper	CG	0.8767
Gm10	29519722	29519835	Gmdrm	hyper	CG	0.139
Gm10	29534824	29534918	Gmdrm	hyper	CG	0.0588
Gm10	29607246	29608069	Gmdrm	hyper	CG	0.0219
Gm10	29760530	29760580	Gmdrm	hyper	CG	0.61
Gm10	29829804	29830548	Gmdrm	hyper	CG	0.0293
Gm10	29834430	29834869	Gmdrm	hyper	CG	0.0414
Gm10	29864180	29864214	Gmdrm	hyper	CG	0.0817
Gm10	29976504	29976615	Gmdrm	hyper	CG	0.9317
Gm10	30024366	30024927	Gmdrm	hyper	CG	0.0505
Gm10	30136262	30137252	Gmdrm	hyper	CG	0.0296
Gm10	30179553	30179630	Gmdrm	hyper	CG	0.038
Gm10	30534867	30535040	Gmdrm	hyper	CG	0.0643
Gm10	30597911	30597980	Gmdrm	hyper	CG	0.0717
Gm10	30637076	30637345	Gmdrm	hyper	CG	0.0421
Gm10	30831814	30831922	Gmdrm	hyper	CG	0.0775
Gm10	30942450	30942645	Gmdrm	hyper	CG	0.05
Gm10	30993966	30994030	Gmdrm	hyper	CG	0.6392
Gm10	30998219	30998408	Gmdrm	hyper	CG	0.562
Gm10	31187524	31187670	Gmdrm	hyper	CG	0.5688
Gm10	31287942	31288921	Gmdrm	hyper	CG	0.0323
Gm10	31337676	31337817	Gmdrm	hyper	CG	0.087
Gm10	31515568	31516035	Gmdrm	hyper	CG	0.055
Gm10	31535072	31535992	Gmdrm	hyper	CG	0.0294
Gm10	31950198	31950466	Gmdrm	hyper	CG	0.0461
Gm10	32024239	32024841	Gmdrm	hyper	CG	0.0345
Gm10	32038790	32038919	Gmdrm	hyper	CG	0.0733
Gm10	32039027	32039099	Gmdrm	hyper	CG	0.1012
Gm10	32113032	32113047	Gmdrm	hyper	CG	0.0817
Gm10	32210874	32211405	Gmdrm	hyper	CG	0.0819
Gm10	32410032	32410231	Gmdrm	hyper	CG	0.425
Gm10	32482396	32482521	Gmdrm	hyper	CG	0.1062
Gm10	32496758	32497123	Gmdrm	hyper	CG	0.0347
Gm10	32578608	32578750	Gmdrm	hyper	CG	0.394
Gm10	32579130	32579333	Gmdrm	hyper	CG	0.0729
Gm10	32673473	32673818	Gmdrm	hyper	CG	0.0467
Gm10	32678983	32679529	Gmdrm	hyper	CG	0.0287
Gm10	32766369	32766718	Gmdrm	hyper	CG	0.0427
Gm10	32766924	32767084	Gmdrm	hyper	CG	0.04
Gm10	33009019	33009146	Gmdrm	hyper	CG	0.0677
Gm10	33102757	33102845	Gmdrm	hyper	CG	0.06
Gm10	33182279	33182453	Gmdrm	hyper	CG	0.0672
Gm10	33227284	33227508	Gmdrm	hyper	CG	0.034

Gm10	33298914	33299054	Gmdrm	hyper	CG	0.06
Gm10	33359962	33360186	Gmdrm	hyper	CG	0.0188
Gm10	33511126	33511231	Gmdrm	hyper	CG	0.0475
Gm10	33512318	33512481	Gmdrm	hyper	CG	0.0811
Gm10	33735474	33735842	Gmdrm	hyper	CG	0.0462
Gm10	34024918	34025029	Gmdrm	hyper	CG	0.0643
Gm10	34028170	34028294	Gmdrm	hyper	CG	0.8083
Gm10	34029886	34029934	Gmdrm	hyper	CG	0.6984
Gm10	34030986	34031103	Gmdrm	hyper	CG	0.3675
Gm10	34114763	34114955	Gmdrm	hyper	CG	0.1129
Gm10	34117368	34117452	Gmdrm	hyper	CG	0.0763
Gm10	34151485	34151523	Gmdrm	hyper	CG	0.685
Gm10	34268172	34268572	Gmdrm	hyper	CG	0.0358
Gm10	34360470	34360748	Gmdrm	hyper	CG	0.2028
Gm10	34674670	34674743	Gmdrm	hyper	CG	0.0143
Gm10	34702074	34702252	Gmdrm	hyper	CG	0.047
Gm10	34747222	34747263	Gmdrm	hyper	CG	0.091
Gm10	34749076	34749475	Gmdrm	hyper	CG	0.0494
Gm10	35103168	35103538	Gmdrm	hyper	CG	0.0428
Gm10	35141262	35141321	Gmdrm	hyper	CG	0.058
Gm10	35269748	35269793	Gmdrm	hyper	CG	0.0571
Gm10	35397327	35397504	Gmdrm	hyper	CG	0.0413
Gm10	35483075	35483142	Gmdrm	hyper	CG	0.7214
Gm10	35546158	35546262	Gmdrm	hyper	CG	0.05
Gm10	35767247	35767896	Gmdrm	hyper	CG	0.0369
Gm10	35910889	35910935	Gmdrm	hyper	CG	0.0542
Gm10	36031803	36032115	Gmdrm	hyper	CG	0.0709
Gm10	36037263	36037447	Gmdrm	hyper	CG	0.554
Gm10	36055396	36056385	Gmdrm	hyper	CG	0.0261
Gm10	36240547	36240664	Gmdrm	hyper	CG	0.04
Gm10	36259064	36259202	Gmdrm	hyper	CG	0.0541
Gm10	36347425	36347588	Gmdrm	hyper	CG	0.8376
Gm10	36471827	36471943	Gmdrm	hyper	CG	0.0757
Gm10	36593990	36594970	Gmdrm	hyper	CG	0.0242
Gm10	36921706	36921963	Gmdrm	hyper	CG	0.0665
Gm10	36941481	36941501	Gmdrm	hyper	CG	0.0983
Gm10	37303723	37303869	Gmdrm	hyper	CG	0.0317
Gm10	37383286	37384216	Gmdrm	hyper	CG	0.036
Gm10	37767931	37768103	Gmdrm	hyper	CG	0.0408
Gm10	37982429	37982677	Gmdrm	hyper	CG	0.5922
Gm10	37984088	37984132	Gmdrm	hyper	CG	0.08
Gm10	38008235	38008358	Gmdrm	hyper	CG	0.08
Gm10	38195181	38195279	Gmdrm	hyper	CG	0.776
Gm10	38402399	38402527	Gmdrm	hyper	CG	0.9743
Gm10	38417424	38417489	Gmdrm	hyper	CG	0.792
Gm10	38433084	38433326	Gmdrm	hyper	CG	0.06

Gm10	38458941	38459254	Gmdrm	hyper	CG	0.0527
Gm10	38551718	38552341	Gmdrm	hyper	CG	0.0286
Gm10	38766333	38766489	Gmdrm	hyper	CG	0.049
Gm10	38867865	38868065	Gmdrm	hyper	CG	0.0417
Gm10	39041201	39041489	Gmdrm	hyper	CG	0.06
Gm10	39092207	39092383	Gmdrm	hyper	CG	0.0356
Gm10	39222067	39222136	Gmdrm	hyper	CG	0.2367
Gm10	39229413	39229485	Gmdrm	hyper	CG	0.0417
Gm10	39273999	39274031	Gmdrm	hyper	CG	0.052
Gm10	39297365	39297604	Gmdrm	hyper	CG	0.3636
Gm10	39301406	39301662	Gmdrm	hyper	CG	0.0764
Gm10	39487724	39488351	Gmdrm	hyper	CG	0.0323
Gm10	39548004	39548969	Gmdrm	hyper	CG	0.1659
Gm10	39584616	39584888	Gmdrm	hyper	CG	0.047
Gm10	39622570	39622862	Gmdrm	hyper	CG	0.0212
Gm10	39674006	39674106	Gmdrm	hyper	CG	0.062
Gm10	39700466	39700742	Gmdrm	hyper	CG	0.43
Gm10	39728748	39729743	Gmdrm	hyper	CG	0.031
Gm10	39731057	39731322	Gmdrm	hyper	CG	0.0275
Gm10	39764027	39764165	Gmdrm	hyper	CG	0.788
Gm10	39837689	39837868	Gmdrm	hyper	CG	0.11
Gm10	39838574	39838605	Gmdrm	hyper	CG	0.1866
Gm10	39884942	39884976	Gmdrm	hyper	CG	0.931
Gm10	39902315	39902333	Gmdrm	hyper	CG	0.48
Gm10	40090253	40090278	Gmdrm	hyper	CG	0.4234
Gm10	40097823	40097877	Gmdrm	hyper	CG	0.65
Gm10	40135881	40136025	Gmdrm	hyper	CG	0.058
Gm10	40171610	40171765	Gmdrm	hyper	CG	0.718
Gm10	40206204	40206448	Gmdrm	hyper	CG	0.0386
Gm10	40433905	40434080	Gmdrm	hyper	CG	0.3694
Gm10	40481337	40481384	Gmdrm	hyper	CG	0.4743
Gm10	41145920	41145984	Gmdrm	hyper	CG	0.06
Gm10	41335601	41335792	Gmdrm	hyper	CG	0.04
Gm10	41633321	41633421	Gmdrm	hyper	CG	0.6666
Gm10	41843228	41843364	Gmdrm	hyper	CG	0.4711
Gm10	41908735	41908959	Gmdrm	hyper	CG	0.0622
Gm10	41938283	41938630	Gmdrm	hyper	CG	0.2225
Gm10	41962002	41962198	Gmdrm	hyper	CG	0.0314
Gm10	42228986	42229058	Gmdrm	hyper	CG	0.674
Gm10	42313520	42313679	Gmdrm	hyper	CG	0.0363
Gm10	42343699	42343859	Gmdrm	hyper	CG	0.0332
Gm10	42432984	42433208	Gmdrm	hyper	CG	0.3871
Gm10	42434739	42434872	Gmdrm	hyper	CG	0.0686
Gm10	42667256	42667317	Gmdrm	hyper	CG	0.636
Gm10	42710763	42710913	Gmdrm	hyper	CG	0.6
Gm10	42722923	42723001	Gmdrm	hyper	CG	0.6925

Gm10	42763590	42763659	Gmdrm	hyper	CG	0.762
Gm10	42799826	42800120	Gmdrm	hyper	CG	0.0255
Gm10	43066213	43066339	Gmdrm	hyper	CG	0.691
Gm10	43345245	43345362	Gmdrm	hyper	CG	0.792
Gm10	44013389	44013596	Gmdrm	hyper	CG	0.56
Gm10	44016605	44016764	Gmdrm	hyper	CG	0.048
Gm10	44045972	44046056	Gmdrm	hyper	CG	0.045
Gm10	44179280	44179636	Gmdrm	hyper	CG	0.0905
Gm10	44652522	44652559	Gmdrm	hyper	CG	0.76
Gm10	45088653	45088689	Gmdrm	hyper	CG	0.025
Gm10	45137843	45137939	Gmdrm	hyper	CG	0.6567
Gm10	45283983	45284004	Gmdrm	hyper	CG	0.3934
Gm10	45521973	45522039	Gmdrm	hyper	CG	0.712
Gm10	45524321	45524386	Gmdrm	hyper	CG	0.6416
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Gm10	45709704	45709741	Gmdrm	hyper	CG	0.0667
Gm10	45715201	45715346	Gmdrm	hyper	CG	0.0314
Gm10	45781392	45781522	Gmdrm	hyper	CG	0.052
Gm10	45810373	45810805	Gmdrm	hyper	CG	0.7182
Gm10	45866139	45866171	Gmdrm	hyper	CG	0.736
Gm10	45973124	45973138	Gmdrm	hyper	CG	0.752
Gm10	46250729	46250882	Gmdrm	hyper	CG	0.07
Gm10	46322631	46322804	Gmdrm	hyper	CG	0.0856
Gm10	46522273	46522348	Gmdrm	hyper	CG	0.3933
Gm10	46569326	46569547	Gmdrm	hyper	CG	0.397
Gm10	46646872	46647040	Gmdrm	hyper	CG	0.6234
Gm10	46819071	46819224	Gmdrm	hyper	CG	0.1628
Gm10	47206881	47206893	Gmdrm	hyper	CG	0.955
Gm10	47543446	47543600	Gmdrm	hyper	CG	0.035
Gm10	47821836	47821880	Gmdrm	hyper	CG	0.812
Gm10	47848774	47848921	Gmdrm	hyper	CG	0.0738
Gm10	47967222	47967431	Gmdrm	hyper	CG	0.036
Gm10	48005432	48005463	Gmdrm	hyper	CG	0.4745
Gm10	48071907	48072149	Gmdrm	hyper	CG	0.064
Gm10	48103738	48103964	Gmdrm	hyper	CG	0.0367
Gm10	48228817	48228836	Gmdrm	hyper	CG	0.745
Gm10	48288927	48289219	Gmdrm	hyper	CG	0.4175
Gm10	48316388	48316450	Gmdrm	hyper	CG	0.38
Gm10	48344692	48344945	Gmdrm	hyper	CG	0.036
Gm10	48362111	48362159	Gmdrm	hyper	CG	0.0583
Gm10	48414861	48414896	Gmdrm	hyper	CG	0.466
Gm10	48416532	48416631	Gmdrm	hyper	CG	0.6184
Gm10	48439575	48439663	Gmdrm	hyper	CG	0.028
Gm10	48475398	48475507	Gmdrm	hyper	CG	0.64
Gm10	48728571	48728802	Gmdrm	hyper	CG	0.0338
Gm10	48762797	48762952	Gmdrm	hyper	CG	0.8111

Gm10	49194999	49195070	Gmdrm	hyper	CG	0.0488
Gm10	49369586	49369762	Gmdrm	hyper	CG	0.04
Gm10	49425005	49425090	Gmdrm	hyper	CG	0.664
Gm10	49617207	49617352	Gmdrm	hyper	CG	0.045
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Gm10	49968098	49968423	Gmdrm	hyper	CG	0.0554
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Gm10	50466868	50466943	Gmdrm	hyper	CG	0.03
Gm10	50711984	50712157	Gmdrm	hyper	CG	0.0386
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Gm10	51102379	51102562	Gmdrm	hyper	CG	0.0275
Gm10	51104975	51105017	Gmdrm	hyper	CG	0.786
Gm10	51188321	51188476	Gmdrm	hyper	CG	0.0429
Gm10	51218443	51218554	Gmdrm	hyper	CG	0.0472
Gm10	51334795	51334888	Gmdrm	hyper	CG	1
Gm10	51344691	51344860	Gmdrm	hyper	CG	0.555
Gm10	51468786	51468887	Gmdrm	hyper	CG	0.9537
Gm10	51541089	51541176	Gmdrm	hyper	CG	0.655
Gm10	51542187	51542366	Gmdrm	hyper	CG	0.084
Gm10	51615216	51615353	Gmdrm	hyper	CG	0.3709
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Gm11	57472	57848	Gmdrm	hyper	CG	0.0375
Gm11	144902	144972	Gmdrm	hyper	CG	0.1025
Gm11	271787	271919	Gmdrm	hyper	CG	0.0534
Gm11	313776	313844	Gmdrm	hyper	CG	0.055
Gm11	422860	423021	Gmdrm	hyper	CG	0.0483
Gm11	431346	431362	Gmdrm	hyper	CG	0.7643
Gm11	510580	510678	Gmdrm	hyper	CG	0.044
Gm11	536089	536122	Gmdrm	hyper	CG	0.461
Gm11	606493	606648	Gmdrm	hyper	CG	0.0234
Gm11	829253	829314	Gmdrm	hyper	CG	0.6625
Gm11	937398	937635	Gmdrm	hyper	CG	0.5258
Gm11	951930	952006	Gmdrm	hyper	CG	0.1133
Gm11	996870	996957	Gmdrm	hyper	CG	0.325
Gm11	1040089	1040127	Gmdrm	hyper	CG	0.724
Gm11	1265713	1265899	Gmdrm	hyper	CG	0.0505
Gm11	1284132	1284320	Gmdrm	hyper	CG	0.0786
Gm11	1363495	1363553	Gmdrm	hyper	CG	0.802
Gm11	1879950	1879972	Gmdrm	hyper	CG	0.9817
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Gm11	1926200	1926326	Gmdrm	hyper	CG	0.5789
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Gm11	2293926	2294095	Gmdrm	hyper	CG	0.0417
Gm11	2470717	2470785	Gmdrm	hyper	CG	0.0475
Gm11	2698467	2698630	Gmdrm	hyper	CG	0.0312

Gm11	2777969	2778167	Gmdrm	hyper	CG	0.042
Gm11	2843695	2843801	Gmdrm	hyper	CG	0.06
Gm11	2889899	2889978	Gmdrm	hyper	CG	0.058
Gm11	2924171	2924342	Gmdrm	hyper	CG	0.04
Gm11	3098631	3098863	Gmdrm	hyper	CG	0.5236
Gm11	3146892	3147231	Gmdrm	hyper	CG	0.0469
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Gm11	3440142	3440354	Gmdrm	hyper	CG	0.05
Gm11	3470886	3471079	Gmdrm	hyper	CG	0.0475
Gm11	3473828	3473872	Gmdrm	hyper	CG	0.173
Gm11	3578698	3578847	Gmdrm	hyper	CG	0.17
Gm11	3677844	3677970	Gmdrm	hyper	CG	0.036
Gm11	3739658	3739686	Gmdrm	hyper	CG	1
Gm11	3942833	3942931	Gmdrm	hyper	CG	0.0343
Gm11	4206180	4206232	Gmdrm	hyper	CG	0.728
Gm11	4332251	4332457	Gmdrm	hyper	CG	0.05
Gm11	4344590	4344886	Gmdrm	hyper	CG	0.053
Gm11	4406581	4406808	Gmdrm	hyper	CG	0.0429
Gm11	4679990	4680006	Gmdrm	hyper	CG	0.796
Gm11	4769642	4769762	Gmdrm	hyper	CG	0.052
Gm11	4794867	4795254	Gmdrm	hyper	CG	0.034
Gm11	4824938	4825018	Gmdrm	hyper	CG	0.3907
Gm11	5050632	5050790	Gmdrm	hyper	CG	0.076
Gm11	5176415	5176424	Gmdrm	hyper	CG	0.9367
Gm11	5311412	5311569	Gmdrm	hyper	CG	0.0583
Gm11	5374724	5375006	Gmdrm	hyper	CG	0.0487
Gm11	5452134	5452227	Gmdrm	hyper	CG	0.29
Gm11	5503022	5503082	Gmdrm	hyper	CG	0.085
Gm11	5606297	5606428	Gmdrm	hyper	CG	0.6857
Gm11	5919286	5919490	Gmdrm	hyper	CG	0.7113
Gm11	6028567	6028779	Gmdrm	hyper	CG	0.0399
Gm11	6135836	6135897	Gmdrm	hyper	CG	0.0367
Gm11	6365515	6365661	Gmdrm	hyper	CG	0.578
Gm11	6590964	6591009	Gmdrm	hyper	CG	0.762
Gm11	6593696	6593923	Gmdrm	hyper	CG	0.3866
Gm11	6695960	6696077	Gmdrm	hyper	CG	0.724
Gm11	6743667	6743944	Gmdrm	hyper	CG	0.05
Gm11	6821137	6821171	Gmdrm	hyper	CG	0.078
Gm11	6857557	6857650	Gmdrm	hyper	CG	0.9417
Gm11	7146395	7146473	Gmdrm	hyper	CG	0.674
Gm11	7242429	7242497	Gmdrm	hyper	CG	0.8443
Gm11	7287227	7287252	Gmdrm	hyper	CG	0.6213
Gm11	7298436	7298551	Gmdrm	hyper	CG	0.65
Gm11	7449885	7449992	Gmdrm	hyper	CG	0.6287
Gm11	7479911	7480164	Gmdrm	hyper	CG	0.09
Gm11	7654062	7654152	Gmdrm	hyper	CG	0.6133

Gm11	7797800	7798018	Gmdrm	hyper	CG	0.6291
Gm11	8009081	8009276	Gmdrm	hyper	CG	0.6575
Gm11	8041619	8041643	Gmdrm	hyper	CG	0.1063
Gm11	8304414	8304518	Gmdrm	hyper	CG	0.0517
Gm11	8408916	8408953	Gmdrm	hyper	CG	0.2767
Gm11	8478188	8478201	Gmdrm	hyper	CG	0.1267
Gm11	8537682	8537866	Gmdrm	hyper	CG	0.0584
Gm11	8744755	8744837	Gmdrm	hyper	CG	0.0767
Gm11	8857516	8857680	Gmdrm	hyper	CG	0.5272
Gm11	8967286	8967314	Gmdrm	hyper	CG	0.95
Gm11	9202058	9202159	Gmdrm	hyper	CG	0.6887
Gm11	9280748	9280837	Gmdrm	hyper	CG	0.032
Gm11	9285006	9285154	Gmdrm	hyper	CG	0.044
Gm11	9353476	9353766	Gmdrm	hyper	CG	0.034
Gm11	9442203	9442392	Gmdrm	hyper	CG	0.041
Gm11	9501843	9501891	Gmdrm	hyper	CG	0.4199
Gm11	9644275	9644376	Gmdrm	hyper	CG	0.727
Gm11	9649356	9649450	Gmdrm	hyper	CG	0.784
Gm11	9680654	9680810	Gmdrm	hyper	CG	0.03
Gm11	9705559	9705628	Gmdrm	hyper	CG	0.742
Gm11	9753313	9753346	Gmdrm	hyper	CG	0.6215
Gm11	9873294	9873441	Gmdrm	hyper	CG	0.06
Gm11	9915620	9915859	Gmdrm	hyper	CG	0.0471
Gm11	9922300	9922333	Gmdrm	hyper	CG	0.9633
Gm11	9970588	9970741	Gmdrm	hyper	CG	0.036
Gm11	10262328	10262398	Gmdrm	hyper	CG	0.8383
Gm11	10263392	10263467	Gmdrm	hyper	CG	0.0584
Gm11	10277387	10277471	Gmdrm	hyper	CG	0.8571
Gm11	10419297	10419508	Gmdrm	hyper	CG	0.0606
Gm11	10557479	10557628	Gmdrm	hyper	CG	0.04
Gm11	10558391	10558471	Gmdrm	hyper	CG	0.046
Gm11	10589792	10589805	Gmdrm	hyper	CG	0.8517
Gm11	10609389	10609539	Gmdrm	hyper	CG	0.0612
Gm11	10652630	10652657	Gmdrm	hyper	CG	0.055
Gm11	10692471	10692626	Gmdrm	hyper	CG	0.0418
Gm11	11051531	11051848	Gmdrm	hyper	CG	0.0527
Gm11	11106873	11107029	Gmdrm	hyper	CG	0.0407
Gm11	11175173	11175292	Gmdrm	hyper	CG	0.9216
Gm11	11181794	11181974	Gmdrm	hyper	CG	0.7163
Gm11	11247407	11247509	Gmdrm	hyper	CG	0.695
Gm11	11248671	11248864	Gmdrm	hyper	CG	0.6038
Gm11	11259670	11259904	Gmdrm	hyper	CG	0.0737
Gm11	11413947	11414248	Gmdrm	hyper	CG	0.04
Gm11	11445756	11445849	Gmdrm	hyper	CG	0.772
Gm11	11601979	11602168	Gmdrm	hyper	CG	0.042
Gm11	11824927	11825057	Gmdrm	hyper	CG	0.088

Gm11	11825416	11825555	Gmdrm	hyper	CG	0.06
Gm11	11877215	11877712	Gmdrm	hyper	CG	0.0358
Gm11	11984560	11985016	Gmdrm	hyper	CG	0.0535
Gm11	12175215	12175338	Gmdrm	hyper	CG	0.0408
Gm11	12530748	12530900	Gmdrm	hyper	CG	0.0366
Gm11	12690140	12690239	Gmdrm	hyper	CG	0.1525
Gm11	12775235	12775250	Gmdrm	hyper	CG	0.7612
Gm11	12881926	12882054	Gmdrm	hyper	CG	0.1038
Gm11	12889254	12890226	Gmdrm	hyper	CG	0.0376
Gm11	12985479	12985645	Gmdrm	hyper	CG	0.0887
Gm11	13214278	13214460	Gmdrm	hyper	CG	0.05
Gm11	13275588	13275785	Gmdrm	hyper	CG	0.0425
Gm11	13591355	13592223	Gmdrm	hyper	CG	0.0327
Gm11	13655428	13655782	Gmdrm	hyper	CG	0.3555
Gm11	13739281	13739493	Gmdrm	hyper	CG	0.104
Gm11	13743822	13743888	Gmdrm	hyper	CG	0.1954
Gm11	13800294	13800439	Gmdrm	hyper	CG	0.0654
Gm11	13961399	13961948	Gmdrm	hyper	CG	0.04
Gm11	13991378	13991446	Gmdrm	hyper	CG	0.67
Gm11	14067791	14068016	Gmdrm	hyper	CG	0.04
Gm11	14131151	14131334	Gmdrm	hyper	CG	0.0487
Gm11	14159739	14159908	Gmdrm	hyper	CG	0.911
Gm11	14173715	14173865	Gmdrm	hyper	CG	0.054
Gm11	14364263	14364551	Gmdrm	hyper	CG	0.0482
Gm11	14380969	14381001	Gmdrm	hyper	CG	0.9333
Gm11	14503613	14503679	Gmdrm	hyper	CG	0.98
Gm11	14534023	14534112	Gmdrm	hyper	CG	0.085
Gm11	14559304	14559573	Gmdrm	hyper	CG	0.025
Gm11	14776540	14776577	Gmdrm	hyper	CG	0.806
Gm11	14784984	14785203	Gmdrm	hyper	CG	0.92
Gm11	14927136	14927365	Gmdrm	hyper	CG	0.0525
Gm11	14952249	14952425	Gmdrm	hyper	CG	0.7013
Gm11	14976563	14976685	Gmdrm	hyper	CG	0.1186
Gm11	14986602	14986694	Gmdrm	hyper	CG	0.0429
Gm11	15041389	15041552	Gmdrm	hyper	CG	0.0692
Gm11	15103265	15103348	Gmdrm	hyper	CG	0.2643
Gm11	15240576	15240781	Gmdrm	hyper	CG	0.0483
Gm11	15318027	15318824	Gmdrm	hyper	CG	0.0277
Gm11	15376031	15376269	Gmdrm	hyper	CG	0.6533
Gm11	15545386	15545736	Gmdrm	hyper	CG	0.0464
Gm11	15577208	15577405	Gmdrm	hyper	CG	0.105
Gm11	15798404	15798540	Gmdrm	hyper	CG	0.0686
Gm11	15806833	15807189	Gmdrm	hyper	CG	0.0662
Gm11	15809750	15809798	Gmdrm	hyper	CG	0.078
Gm11	15937210	15937309	Gmdrm	hyper	CG	0.055
Gm11	16110505	16110800	Gmdrm	hyper	CG	0.502

Gm11	16205670	16205886	Gmdrm	hyper	CG	0.1493
Gm11	16399180	16399288	Gmdrm	hyper	CG	0.07
Gm11	16736758	16736957	Gmdrm	hyper	CG	0.0323
Gm11	16980433	16980547	Gmdrm	hyper	CG	0.0675
Gm11	17021762	17021857	Gmdrm	hyper	CG	0.0467
Gm11	17167357	17167402	Gmdrm	hyper	CG	0.3171
Gm11	17516298	17516402	Gmdrm	hyper	CG	0.056
Gm11	17668763	17668839	Gmdrm	hyper	CG	0.1183
Gm11	17672210	17672231	Gmdrm	hyper	CG	1
Gm11	17724834	17725000	Gmdrm	hyper	CG	0.055
Gm11	17857207	17857237	Gmdrm	hyper	CG	0.2
Gm11	17910348	17910636	Gmdrm	hyper	CG	0.0408
Gm11	17922514	17922548	Gmdrm	hyper	CG	0.0613
Gm11	17975539	17975615	Gmdrm	hyper	CG	0.0425
Gm11	18033429	18033511	Gmdrm	hyper	CG	0.485
Gm11	18093568	18093636	Gmdrm	hyper	CG	0.6762
Gm11	18180038	18180222	Gmdrm	hyper	CG	0.743
Gm11	18191869	18192416	Gmdrm	hyper	CG	0.033
Gm11	18282642	18283155	Gmdrm	hyper	CG	0.06
Gm11	18333115	18333262	Gmdrm	hyper	CG	0.1125
Gm11	18341770	18341802	Gmdrm	hyper	CG	0.724
Gm11	18455774	18455879	Gmdrm	hyper	CG	0.055
Gm11	18555904	18555986	Gmdrm	hyper	CG	0.112
Gm11	18645931	18646205	Gmdrm	hyper	CG	0.0673
Gm11	18686866	18687129	Gmdrm	hyper	CG	0.0552
Gm11	18769106	18769135	Gmdrm	hyper	CG	0.255
Gm11	18770400	18770518	Gmdrm	hyper	CG	0.072
Gm11	18827883	18828105	Gmdrm	hyper	CG	0.1192
Gm11	18882462	18882612	Gmdrm	hyper	CG	0.104
Gm11	18934447	18934540	Gmdrm	hyper	CG	0.0433
Gm11	19065139	19065182	Gmdrm	hyper	CG	0.11
Gm11	19114274	19114396	Gmdrm	hyper	CG	0.0321
Gm11	19221550	19221945	Gmdrm	hyper	CG	0.0465
Gm11	19270178	19270272	Gmdrm	hyper	CG	0.048
Gm11	19451282	19451783	Gmdrm	hyper	CG	0.0335
Gm11	19796328	19796546	Gmdrm	hyper	CG	0.0435
Gm11	19826002	19826126	Gmdrm	hyper	CG	0.7215
Gm11	19851097	19851533	Gmdrm	hyper	CG	0.0547
Gm11	19945775	19946159	Gmdrm	hyper	CG	0.0425
Gm11	20050004	20050021	Gmdrm	hyper	CG	0.794
Gm11	20061465	20061661	Gmdrm	hyper	CG	0.8767
Gm11	20262383	20262532	Gmdrm	hyper	CG	0.65
Gm11	20304873	20305328	Gmdrm	hyper	CG	0.0756
Gm11	20305628	20305685	Gmdrm	hyper	CG	0.7934
Gm11	20375188	20375320	Gmdrm	hyper	CG	0.05
Gm11	20460545	20460684	Gmdrm	hyper	CG	0.0586

Gm11	20514724	20515138	Gmdrm	hyper	CG	0.0373
Gm11	20557781	20558033	Gmdrm	hyper	CG	0.0277
Gm11	20598135	20598247	Gmdrm	hyper	CG	0.042
Gm11	20897514	20897719	Gmdrm	hyper	CG	0.0286
Gm11	20949297	20949858	Gmdrm	hyper	CG	0.0289
Gm11	20960313	20960808	Gmdrm	hyper	CG	0.3554
Gm11	20988417	20988440	Gmdrm	hyper	CG	0.0517
Gm11	21103828	21104036	Gmdrm	hyper	CG	0.0359
Gm11	21257704	21257850	Gmdrm	hyper	CG	0.0575
Gm11	21347883	21348236	Gmdrm	hyper	CG	0.045
Gm11	21379266	21379300	Gmdrm	hyper	CG	0.0467
Gm11	21494381	21494618	Gmdrm	hyper	CG	0.0338
Gm11	21582808	21582973	Gmdrm	hyper	CG	0.2054
Gm11	21601999	21602014	Gmdrm	hyper	CG	0.4384
Gm11	21616172	21616225	Gmdrm	hyper	CG	0.0616
Gm11	21916871	21917009	Gmdrm	hyper	CG	0.3262
Gm11	22191019	22191345	Gmdrm	hyper	CG	0.039
Gm11	22221037	22221143	Gmdrm	hyper	CG	0.0658
Gm11	22226513	22226670	Gmdrm	hyper	CG	0.068
Gm11	22283597	22283943	Gmdrm	hyper	CG	0.0759
Gm11	22523176	22523202	Gmdrm	hyper	CG	0.092
Gm11	22525611	22525672	Gmdrm	hyper	CG	0.0762
Gm11	22556173	22556304	Gmdrm	hyper	CG	0.074
Gm11	22808250	22808612	Gmdrm	hyper	CG	0.0393
Gm11	22856807	22857266	Gmdrm	hyper	CG	0.0428
Gm11	22896208	22896381	Gmdrm	hyper	CG	0.0214
Gm11	22970032	22970106	Gmdrm	hyper	CG	0.0777
Gm11	23246559	23247539	Gmdrm	hyper	CG	0.0303
Gm11	23339347	23339463	Gmdrm	hyper	CG	0.1
Gm11	23349343	23349484	Gmdrm	hyper	CG	0.0306
Gm11	23443897	23444265	Gmdrm	hyper	CG	0.0308
Gm11	23540935	23541285	Gmdrm	hyper	CG	0.04
Gm11	23700224	23700630	Gmdrm	hyper	CG	0.6815
Gm11	23759521	23759618	Gmdrm	hyper	CG	0.7457
Gm11	23819781	23819971	Gmdrm	hyper	CG	0.0667
Gm11	23826537	23827116	Gmdrm	hyper	CG	0.2333
Gm11	23827232	23827417	Gmdrm	hyper	CG	0.4657
Gm11	23827612	23827637	Gmdrm	hyper	CG	0.6084
Gm11	24105123	24105934	Gmdrm	hyper	CG	0.0419
Gm11	24123795	24123942	Gmdrm	hyper	CG	0.253
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Gm11	24249193	24249339	Gmdrm	hyper	CG	0.06
Gm11	24265747	24265883	Gmdrm	hyper	CG	0.07
Gm11	24287554	24287693	Gmdrm	hyper	CG	0.0767
Gm11	24342564	24342619	Gmdrm	hyper	CG	0.0517
Gm11	24363320	24363449	Gmdrm	hyper	CG	0.706

Gm11	24398400	24398610	Gmdrm	hyper	CG	0.043
Gm11	24555851	24556677	Gmdrm	hyper	CG	0.0271
Gm11	24648545	24648659	Gmdrm	hyper	CG	0.042
Gm11	24749606	24750468	Gmdrm	hyper	CG	0.0372
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Gm11	25106623	25106858	Gmdrm	hyper	CG	0.124
Gm11	25117774	25117810	Gmdrm	hyper	CG	0.94
Gm11	25153718	25154026	Gmdrm	hyper	CG	0.052
Gm11	25423358	25423546	Gmdrm	hyper	CG	0.071
Gm11	25686122	25686308	Gmdrm	hyper	CG	0.1447
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Gm11	26542548	26542779	Gmdrm	hyper	CG	0.116
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Gm11	27123902	27124172	Gmdrm	hyper	CG	0.0933
Gm11	27218627	27218894	Gmdrm	hyper	CG	0.3994
Gm11	27432519	27432989	Gmdrm	hyper	CG	0.0621
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Gm11	27796836	27796868	Gmdrm	hyper	CG	0.11
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Gm11	28006002	28006226	Gmdrm	hyper	CG	0.0557
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Gm11	28329801	28330197	Gmdrm	hyper	CG	0.0737
Gm11	28619014	28619344	Gmdrm	hyper	CG	0.0526
Gm11	28733686	28734172	Gmdrm	hyper	CG	0.0763
Gm11	28783230	28783585	Gmdrm	hyper	CG	0.0572
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Gm11	29067285	29067332	Gmdrm	hyper	CG	0.105
Gm11	29248772	29249358	Gmdrm	hyper	CG	0.0206
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Gm11	29408706	29408716	Gmdrm	hyper	CG	0.942
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Gm11	29749836	29749996	Gmdrm	hyper	CG	0.0535
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Gm11	31164242	31164309	Gmdrm	hyper	CG	0.156
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Gm11	31437674	31437774	Gmdrm	hyper	CG	0.135
Gm11	31647018	31647079	Gmdrm	hyper	CG	0.038
Gm11	31686779	31687151	Gmdrm	hyper	CG	0.0556
Gm11	31760459	31760509	Gmdrm	hyper	CG	0.0525
Gm11	31929736	31929971	Gmdrm	hyper	CG	0.0969
Gm11	32068389	32068430	Gmdrm	hyper	CG	0.028
Gm11	32101736	32101997	Gmdrm	hyper	CG	0.0239
Gm11	32407590	32408482	Gmdrm	hyper	CG	0.0324
Gm11	32465627	32465692	Gmdrm	hyper	CG	0.0709
Gm11	32504444	32504553	Gmdrm	hyper	CG	0.0717
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Gm11	32596277	32596351	Gmdrm	hyper	CG	0.0517
Gm11	32822933	32823016	Gmdrm	hyper	CG	0.0312
Gm11	33073768	33073995	Gmdrm	hyper	CG	0.0515
Gm11	33129100	33129360	Gmdrm	hyper	CG	0.0684
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Gm11	33190957	33191115	Gmdrm	hyper	CG	0.038
Gm11	33234590	33234650	Gmdrm	hyper	CG	0.035
Gm11	33344947	33345078	Gmdrm	hyper	CG	0.052
Gm11	33578440	33578528	Gmdrm	hyper	CG	0.77
Gm11	33708372	33708569	Gmdrm	hyper	CG	0.8925
Gm11	33734246	33734303	Gmdrm	hyper	CG	0.8717
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Gm11	33807268	33807345	Gmdrm	hyper	CG	0.06
Gm11	33808661	33808711	Gmdrm	hyper	CG	0.086
Gm11	33902661	33903656	Gmdrm	hyper	CG	0.0333
Gm11	34065381	34065448	Gmdrm	hyper	CG	0.106
Gm11	34139829	34139970	Gmdrm	hyper	CG	0.58
Gm11	34144172	34144224	Gmdrm	hyper	CG	0.9717
Gm11	34150797	34150912	Gmdrm	hyper	CG	0.05
Gm11	34227427	34227633	Gmdrm	hyper	CG	0.4157
Gm11	34272087	34272268	Gmdrm	hyper	CG	0.069
Gm11	34327835	34328169	Gmdrm	hyper	CG	0.0362
Gm11	34506035	34506965	Gmdrm	hyper	CG	0.0409
Gm11	34561989	34562004	Gmdrm	hyper	CG	0.675

Gm11	34613582	34614135	Gmdrm	hyper	CG	0.049
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Gm11	34894612	34895251	Gmdrm	hyper	CG	0.0509
Gm11	34898192	34898262	Gmdrm	hyper	CG	0.106
Gm11	34934993	34935206	Gmdrm	hyper	CG	0.075
Gm11	34988229	34988705	Gmdrm	hyper	CG	0.0508
Gm11	35048459	35048471	Gmdrm	hyper	CG	0.786
Gm11	35229200	35229390	Gmdrm	hyper	CG	0.0333
Gm11	35296366	35296378	Gmdrm	hyper	CG	0.694
Gm11	35433417	35433479	Gmdrm	hyper	CG	0.0364
Gm11	35561025	35561267	Gmdrm	hyper	CG	0.0643
Gm11	35575311	35575521	Gmdrm	hyper	CG	0.0458
Gm11	35783318	35783418	Gmdrm	hyper	CG	0.034
Gm11	36034525	36035460	Gmdrm	hyper	CG	0.0288
Gm11	36082861	36083005	Gmdrm	hyper	CG	0.2637
Gm11	36206339	36206477	Gmdrm	hyper	CG	0.0479
Gm11	36302257	36302435	Gmdrm	hyper	CG	0.0557
Gm11	36759923	36760122	Gmdrm	hyper	CG	0.2476
Gm11	36775273	36775287	Gmdrm	hyper	CG	0.96
Gm11	36813350	36813383	Gmdrm	hyper	CG	0.4966
Gm11	36934719	36934820	Gmdrm	hyper	CG	0.686
Gm11	37041912	37042045	Gmdrm	hyper	CG	0.5999
Gm11	37269140	37269195	Gmdrm	hyper	CG	0.095
Gm11	37414965	37415103	Gmdrm	hyper	CG	0.48
Gm11	37498701	37498765	Gmdrm	hyper	CG	0.038
Gm11	37639931	37640089	Gmdrm	hyper	CG	0.4356
Gm11	37770159	37770235	Gmdrm	hyper	CG	0.6222
Gm11	37842362	37842583	Gmdrm	hyper	CG	0.1142
Gm11	37852012	37852137	Gmdrm	hyper	CG	0.054
Gm11	37871854	37871948	Gmdrm	hyper	CG	0.78
Gm11	37920776	37920834	Gmdrm	hyper	CG	0.73
Gm11	38064027	38064092	Gmdrm	hyper	CG	0.596
Gm11	38086121	38086196	Gmdrm	hyper	CG	0.0729
Gm11	38120798	38121256	Gmdrm	hyper	CG	0.0386
Gm11	38339442	38339630	Gmdrm	hyper	CG	0.2928
Gm11	38464847	38465076	Gmdrm	hyper	CG	0.0357
Gm11	38527338	38527358	Gmdrm	hyper	CG	0.1367
Gm11	38533716	38533840	Gmdrm	hyper	CG	0.03
Gm11	38587078	38587180	Gmdrm	hyper	CG	0.9776
Gm11	38668075	38668134	Gmdrm	hyper	CG	0.1614
Gm11	38703177	38703311	Gmdrm	hyper	CG	0.3982
Gm11	38703527	38703610	Gmdrm	hyper	CG	0.5978
Gm11	39065824	39065911	Gmdrm	hyper	CG	0.088
Gm11	39160293	39160361	Gmdrm	hyper	CG	0.9499
Gm11	39160828	39160855	Gmdrm	hyper	CG	0.965
Gm11	39289139	39289200	Gmdrm	hyper	CG	0.038

Gm11	39329191	39329259	Gmdrm	hyper	CG	0.0467
Gm11	39363219	39363324	Gmdrm	hyper	CG	0.75
Gm11	39407874	39407991	Gmdrm	hyper	CG	0.8187
Gm11	39507122	39507377	Gmdrm	hyper	CG	0.725
Gm11	39589036	39589204	Gmdrm	hyper	CG	0.1389
Gm11	39591143	39591424	Gmdrm	hyper	CG	0.0524
Gm11_scaffol	47149	47381	Gmdrm	hyper	CG	0.04
Gm12	63002	63223	Gmdrm	hyper	CG	0.032
Gm12	623395	623510	Gmdrm	hyper	CG	0.6817
Gm12	729227	729341	Gmdrm	hyper	CG	0.038
Gm12	996785	996988	Gmdrm	hyper	CG	0.05
Gm12	1154869	1155258	Gmdrm	hyper	CG	0.0314
Gm12	1212750	1212817	Gmdrm	hyper	CG	0.034
Gm12	1282552	1282630	Gmdrm	hyper	CG	0.23
Gm12	1282748	1282841	Gmdrm	hyper	CG	0.197
Gm12	1286144	1286489	Gmdrm	hyper	CG	0.3509
Gm12	1510293	1510466	Gmdrm	hyper	CG	0.732
Gm12	1563825	1563902	Gmdrm	hyper	CG	0.77
Gm12	1596330	1596378	Gmdrm	hyper	CG	0.5537
Gm12	1759992	1760012	Gmdrm	hyper	CG	0.726
Gm12	1964656	1964742	Gmdrm	hyper	CG	0.6343
Gm12	1977523	1977655	Gmdrm	hyper	CG	0.0367
Gm12	2071246	2071267	Gmdrm	hyper	CG	0.965
Gm12	2458198	2458313	Gmdrm	hyper	CG	0.6884
Gm12	2478398	2478549	Gmdrm	hyper	CG	0.0271
Gm12	2574133	2574260	Gmdrm	hyper	CG	0.8029
Gm12	2656628	2656656	Gmdrm	hyper	CG	0.0567
Gm12	2677820	2678035	Gmdrm	hyper	CG	0.433
Gm12	2743028	2743123	Gmdrm	hyper	CG	0.9124
Gm12	2834305	2834383	Gmdrm	hyper	CG	0.79
Gm12	2868593	2868665	Gmdrm	hyper	CG	0.92
Gm12	3008197	3008232	Gmdrm	hyper	CG	0.6883
Gm12	3262089	3262100	Gmdrm	hyper	CG	0.78
Gm12	3374343	3374381	Gmdrm	hyper	CG	0.2983
Gm12	3569337	3569358	Gmdrm	hyper	CG	0.564
Gm12	3932295	3932445	Gmdrm	hyper	CG	0.7525
Gm12	4041219	4041256	Gmdrm	hyper	CG	0.79
Gm12	4255009	4255200	Gmdrm	hyper	CG	0.7287
Gm12	4428394	4428550	Gmdrm	hyper	CG	0.0767
Gm12	4439513	4439613	Gmdrm	hyper	CG	0.75
Gm12	4456790	4456858	Gmdrm	hyper	CG	0.57
Gm12	4487152	4487274	Gmdrm	hyper	CG	0.54
Gm12	4499000	4499186	Gmdrm	hyper	CG	0.5514
Gm12	4655079	4655258	Gmdrm	hyper	CG	0.036
Gm12	4772329	4772407	Gmdrm	hyper	CG	0.226
Gm12	4973434	4973470	Gmdrm	hyper	CG	0.509

Gm12	5150982	5151228	Gmdrm	hyper	CG	0.042
Gm12	5215018	5215150	Gmdrm	hyper	CG	0.052
Gm12	5415486	5415525	Gmdrm	hyper	CG	0.1
Gm12	5579341	5579552	Gmdrm	hyper	CG	0.04
Gm12	5624249	5624276	Gmdrm	hyper	CG	0.4817
Gm12	5750507	5750716	Gmdrm	hyper	CG	0.1088
Gm12	5954503	5954915	Gmdrm	hyper	CG	0.034
Gm12	6251773	6251782	Gmdrm	hyper	CG	0.2417
Gm12	6373841	6373928	Gmdrm	hyper	CG	0.1662
Gm12	6459272	6459440	Gmdrm	hyper	CG	0.06
Gm12	6754610	6754776	Gmdrm	hyper	CG	0.3818
Gm12	6842855	6842934	Gmdrm	hyper	CG	0.6184
Gm12	7204122	7204244	Gmdrm	hyper	CG	0.035
Gm12	7330750	7331138	Gmdrm	hyper	CG	0.026
Gm12	7384730	7384928	Gmdrm	hyper	CG	0.0634
Gm12	7484089	7484653	Gmdrm	hyper	CG	0.7377
Gm12	8504571	8504658	Gmdrm	hyper	CG	0.585
Gm12	8592059	8592286	Gmdrm	hyper	CG	0.05
Gm12	8632074	8632290	Gmdrm	hyper	CG	0.0314
Gm12	8656329	8656482	Gmdrm	hyper	CG	0.3529
Gm12	8690144	8690353	Gmdrm	hyper	CG	0.03
Gm12	8764969	8765304	Gmdrm	hyper	CG	0.0767
Gm12	8833298	8833464	Gmdrm	hyper	CG	0.0269
Gm12	8875361	8875811	Gmdrm	hyper	CG	0.3176
Gm12	9133631	9133807	Gmdrm	hyper	CG	0.3722
Gm12	9306169	9306302	Gmdrm	hyper	CG	0.114
Gm12	9723194	9723291	Gmdrm	hyper	CG	0.058
Gm12	9745606	9745816	Gmdrm	hyper	CG	0.4738
Gm12	9901423	9901489	Gmdrm	hyper	CG	0.715
Gm12	9927970	9928024	Gmdrm	hyper	CG	0.7016
Gm12	10072224	10072382	Gmdrm	hyper	CG	0.044
Gm12	10181026	10181298	Gmdrm	hyper	CG	0.0433
Gm12	10433817	10434044	Gmdrm	hyper	CG	0.0373
Gm12	10772494	10772714	Gmdrm	hyper	CG	0.567
Gm12	10814509	10814751	Gmdrm	hyper	CG	0.059
Gm12	10826444	10826478	Gmdrm	hyper	CG	0.04
Gm12	11031988	11032134	Gmdrm	hyper	CG	0.0453
Gm12	11276315	11276685	Gmdrm	hyper	CG	0.0517
Gm12	11289089	11289126	Gmdrm	hyper	CG	0.0517
Gm12	11328247	11328259	Gmdrm	hyper	CG	0.598
Gm12	11333978	11334020	Gmdrm	hyper	CG	0.0516
Gm12	11409171	11409204	Gmdrm	hyper	CG	0.0583
Gm12	11534906	11535062	Gmdrm	hyper	CG	0.0328
Gm12	11642066	11642331	Gmdrm	hyper	CG	0.4633
Gm12	12041131	12041406	Gmdrm	hyper	CG	0.0562
Gm12	12120478	12120717	Gmdrm	hyper	CG	0.0367

Gm12	12200383	12200427	Gmdrm	hyper	CG	0.08
Gm12	12201855	12202626	Gmdrm	hyper	CG	0.0229
Gm12	12237086	12237809	Gmdrm	hyper	CG	0.2607
Gm12	12291231	12291474	Gmdrm	hyper	CG	0.0347
Gm12	12325547	12325708	Gmdrm	hyper	CG	0.0759
Gm12	12629773	12629887	Gmdrm	hyper	CG	0.2988
Gm12	12721165	12721244	Gmdrm	hyper	CG	0.1316
Gm12	12734697	12734755	Gmdrm	hyper	CG	0.0486
Gm12	13023285	13023357	Gmdrm	hyper	CG	0.05
Gm12	13099457	13099714	Gmdrm	hyper	CG	0.0422
Gm12	13234319	13234571	Gmdrm	hyper	CG	0.3943
Gm12	13326889	13327136	Gmdrm	hyper	CG	0.0994
Gm12	13401664	13401800	Gmdrm	hyper	CG	0.081
Gm12	13507971	13507980	Gmdrm	hyper	CG	0.9633
Gm12	13561937	13562107	Gmdrm	hyper	CG	0.03
Gm12	13629766	13629957	Gmdrm	hyper	CG	0.114
Gm12	13636580	13636607	Gmdrm	hyper	CG	0.796
Gm12	13659064	13659149	Gmdrm	hyper	CG	0.786
Gm12	13665171	13665191	Gmdrm	hyper	CG	0.0783
Gm12	13753294	13753504	Gmdrm	hyper	CG	0.589
Gm12	13782865	13783017	Gmdrm	hyper	CG	0.9433
Gm12	13875846	13875964	Gmdrm	hyper	CG	0.698
Gm12	13917347	13917518	Gmdrm	hyper	CG	0.6037
Gm12	13973997	13974166	Gmdrm	hyper	CG	0.0878
Gm12	13975146	13975323	Gmdrm	hyper	CG	0.0462
Gm12	14026450	14026597	Gmdrm	hyper	CG	0.0581
Gm12	14026701	14027290	Gmdrm	hyper	CG	0.048
Gm12	14222951	14223099	Gmdrm	hyper	CG	0.0375
Gm12	14609001	14609528	Gmdrm	hyper	CG	0.0343
Gm12	14704472	14704562	Gmdrm	hyper	CG	0.0462
Gm12	14713390	14713611	Gmdrm	hyper	CG	0.036
Gm12	14733326	14733498	Gmdrm	hyper	CG	0.8825
Gm12	14734078	14734416	Gmdrm	hyper	CG	0.1495
Gm12	14760317	14760362	Gmdrm	hyper	CG	0.9467
Gm12	14812779	14812799	Gmdrm	hyper	CG	0.6667
Gm12	14873630	14873737	Gmdrm	hyper	CG	0.0601
Gm12	14884403	14884542	Gmdrm	hyper	CG	0.0599
Gm12	14954971	14955136	Gmdrm	hyper	CG	0.0589
Gm12	14999079	14999138	Gmdrm	hyper	CG	0.725
Gm12	15129106	15129330	Gmdrm	hyper	CG	0.1227
Gm12	15249659	15249895	Gmdrm	hyper	CG	0.0391
Gm12	15286920	15287053	Gmdrm	hyper	CG	0.045
Gm12	15379226	15379321	Gmdrm	hyper	CG	0.1
Gm12	15521351	15521515	Gmdrm	hyper	CG	0.084
Gm12	15907028	15907100	Gmdrm	hyper	CG	0.665
Gm12	15911743	15911957	Gmdrm	hyper	CG	0.0294

Gm12	15975207	15975432	Gmdrm	hyper	CG	0.0387
Gm12	16031212	16031377	Gmdrm	hyper	CG	0.0487
Gm12	16057936	16058079	Gmdrm	hyper	CG	0.0307
Gm12	16170351	16170709	Gmdrm	hyper	CG	0.0688
Gm12	16185459	16185690	Gmdrm	hyper	CG	0.0429
Gm12	16412073	16412417	Gmdrm	hyper	CG	0.0335
Gm12	16419555	16420205	Gmdrm	hyper	CG	0.0216
Gm12	16435458	16436240	Gmdrm	hyper	CG	0.0198
Gm12	16500864	16501156	Gmdrm	hyper	CG	0.0683
Gm12	16610794	16610833	Gmdrm	hyper	CG	0.1338
Gm12	16766497	16766549	Gmdrm	hyper	CG	0.055
Gm12	16834050	16834216	Gmdrm	hyper	CG	0.043
Gm12	16973875	16973929	Gmdrm	hyper	CG	0.04
Gm12	17145823	17145920	Gmdrm	hyper	CG	0.0972
Gm12	17149228	17149383	Gmdrm	hyper	CG	0.06
Gm12	17163031	17163046	Gmdrm	hyper	CG	0.46
Gm12	17410680	17410968	Gmdrm	hyper	CG	0.0687
Gm12	17503563	17503811	Gmdrm	hyper	CG	0.078
Gm12	17505160	17505176	Gmdrm	hyper	CG	0.6367
Gm12	17539037	17539297	Gmdrm	hyper	CG	0.032
Gm12	17574159	17574173	Gmdrm	hyper	CG	0.095
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Gm12	17749913	17750195	Gmdrm	hyper	CG	0.0556
Gm12	18099003	18099103	Gmdrm	hyper	CG	0.085
Gm12	18175423	18176263	Gmdrm	hyper	CG	0.0728
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Gm12	18915692	18916443	Gmdrm	hyper	CG	0.0361
Gm12	18921188	18921287	Gmdrm	hyper	CG	0.088
Gm12	18998116	18998589	Gmdrm	hyper	CG	0.0435
Gm12	19083449	19083673	Gmdrm	hyper	CG	0.0563
Gm12	19092849	19092913	Gmdrm	hyper	CG	0.9133
Gm12	19094589	19094746	Gmdrm	hyper	CG	0.61
Gm12	19096086	19096249	Gmdrm	hyper	CG	0.7138
Gm12	19297651	19297817	Gmdrm	hyper	CG	0.0622
Gm12	19335989	19336218	Gmdrm	hyper	CG	0.0425
Gm12	19499591	19499616	Gmdrm	hyper	CG	0.075
Gm12	19583231	19583627	Gmdrm	hyper	CG	0.0265
Gm12	19681525	19681650	Gmdrm	hyper	CG	0.088
Gm12	19686331	19686754	Gmdrm	hyper	CG	0.0895
Gm12	19802565	19802645	Gmdrm	hyper	CG	0.1574
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Gm12	19870668	19870778	Gmdrm	hyper	CG	0.07
Gm12	19958035	19958167	Gmdrm	hyper	CG	0.094
Gm12	20006601	20006828	Gmdrm	hyper	CG	0.0397
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Gm12	20619063	20619111	Gmdrm	hyper	CG	0.0375
Gm12	20660713	20660753	Gmdrm	hyper	CG	0.1267
Gm12	20736445	20736935	Gmdrm	hyper	CG	0.1741
Gm12	20777941	20778018	Gmdrm	hyper	CG	0.1033
Gm12	20851305	20851502	Gmdrm	hyper	CG	0.065
Gm12	20940186	20940322	Gmdrm	hyper	CG	0.0338
Gm12	20977414	20977836	Gmdrm	hyper	CG	0.065
Gm12	20985702	20985921	Gmdrm	hyper	CG	0.0718
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Gm12	21312264	21312813	Gmdrm	hyper	CG	0.027
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Gm12	21756795	21756891	Gmdrm	hyper	CG	0.742
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Gm12	21951859	21951915	Gmdrm	hyper	CG	0.0562
Gm12	22065824	22066010	Gmdrm	hyper	CG	0.11
Gm12	22272530	22272687	Gmdrm	hyper	CG	0.0383
Gm12	22405756	22405856	Gmdrm	hyper	CG	0.0486
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Gm12	22479889	22480678	Gmdrm	hyper	CG	0.0366
Gm12	22528759	22529745	Gmdrm	hyper	CG	0.0275
Gm12	22538582	22538619	Gmdrm	hyper	CG	0.085
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Gm12	22790610	22790986	Gmdrm	hyper	CG	0.0346
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Gm12	22920083	22920200	Gmdrm	hyper	CG	0.0563
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Gm12	23376434	23376459	Gmdrm	hyper	CG	0.0367
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Gm12	23508447	23508569	Gmdrm	hyper	CG	0.1557
Gm12	23530331	23531208	Gmdrm	hyper	CG	0.0316
Gm12	23761363	23761505	Gmdrm	hyper	CG	0.0527
Gm12	23972383	23972685	Gmdrm	hyper	CG	0.1011
Gm12	23981740	23981948	Gmdrm	hyper	CG	0.105
Gm12	24108047	24108163	Gmdrm	hyper	CG	0.074
Gm12	24111440	24111661	Gmdrm	hyper	CG	0.0777
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Gm12	24414784	24414868	Gmdrm	hyper	CG	0.0943
Gm12	24559381	24559528	Gmdrm	hyper	CG	0.9667
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Gm12	24992648	24993614	Gmdrm	hyper	CG	0.0379
Gm12	25371698	25371779	Gmdrm	hyper	CG	0.1284
Gm12	25371900	25371998	Gmdrm	hyper	CG	0.0767
Gm12	25424516	25424917	Gmdrm	hyper	CG	0.04
Gm12	25578713	25578783	Gmdrm	hyper	CG	0.04
Gm12	25645126	25645258	Gmdrm	hyper	CG	0.0875
Gm12	25683746	25683838	Gmdrm	hyper	CG	0.0737
Gm12	25916464	25917228	Gmdrm	hyper	CG	0.0272
Gm12	26043347	26044202	Gmdrm	hyper	CG	0.0374
Gm12	26287043	26287100	Gmdrm	hyper	CG	0.07
Gm12	26330759	26330936	Gmdrm	hyper	CG	0.0616
Gm12	26583131	26583180	Gmdrm	hyper	CG	0.115
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Gm12	26797100	26797535	Gmdrm	hyper	CG	0.0689
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Gm12	27398516	27398854	Gmdrm	hyper	CG	0.0841
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Gm12	27551906	27551925	Gmdrm	hyper	CG	0.05
Gm12	27562919	27563557	Gmdrm	hyper	CG	0.0443
Gm12	27595902	27596664	Gmdrm	hyper	CG	0.0368
Gm12	27600519	27600613	Gmdrm	hyper	CG	0.19
Gm12	27608186	27608287	Gmdrm	hyper	CG	0.0378
Gm12	27683442	27683630	Gmdrm	hyper	CG	0.0445
Gm12	27715605	27715685	Gmdrm	hyper	CG	0.09
Gm12	27749763	27749893	Gmdrm	hyper	CG	0.1857
Gm12	27857611	27857842	Gmdrm	hyper	CG	0.1458
Gm12	27893517	27893790	Gmdrm	hyper	CG	0.0536
Gm12	28246608	28246731	Gmdrm	hyper	CG	0.1033
Gm12	28266382	28266758	Gmdrm	hyper	CG	0.0514
Gm12	28292605	28292724	Gmdrm	hyper	CG	0.1425
Gm12	28316952	28317454	Gmdrm	hyper	CG	0.0391
Gm12	28431935	28432042	Gmdrm	hyper	CG	0.044
Gm12	28460336	28460391	Gmdrm	hyper	CG	0.057
Gm12	28502298	28503067	Gmdrm	hyper	CG	0.0598
Gm12	28516937	28517551	Gmdrm	hyper	CG	0.0305
Gm12	28620952	28621048	Gmdrm	hyper	CG	0.0317
Gm12	28949052	28949836	Gmdrm	hyper	CG	0.0206
Gm12	29030976	29031044	Gmdrm	hyper	CG	0.8383
Gm12	29518263	29518292	Gmdrm	hyper	CG	0.0733
Gm12	29604421	29604649	Gmdrm	hyper	CG	0.0486
Gm12	29622319	29622963	Gmdrm	hyper	CG	0.0298
Gm12	29762548	29762661	Gmdrm	hyper	CG	0.128

Gm12	29798228	29799193	Gmdrm	hyper	CG	0.0485
Gm12	29819615	29820263	Gmdrm	hyper	CG	0.0357
Gm12	29886110	29886565	Gmdrm	hyper	CG	0.0295
Gm12	29956251	29956450	Gmdrm	hyper	CG	0.0617
Gm12	30458781	30458876	Gmdrm	hyper	CG	0.0587
Gm12	30517385	30517679	Gmdrm	hyper	CG	0.0405
Gm12	30931152	30931256	Gmdrm	hyper	CG	0.065
Gm12	30955142	30955260	Gmdrm	hyper	CG	0.13
Gm12	30980489	30980530	Gmdrm	hyper	CG	0.136
Gm12	31698014	31698060	Gmdrm	hyper	CG	0.188
Gm12	31771840	31772840	Gmdrm	hyper	CG	0.0222
Gm12	31820638	31821374	Gmdrm	hyper	CG	0.0372
Gm12	31962902	31963153	Gmdrm	hyper	CG	0.1117
Gm12	32046834	32046918	Gmdrm	hyper	CG	0.037
Gm12	32201377	32201924	Gmdrm	hyper	CG	0.0278
Gm12	32352959	32353047	Gmdrm	hyper	CG	0.0522
Gm12	32411096	32411230	Gmdrm	hyper	CG	0.0686
Gm12	32690858	32691075	Gmdrm	hyper	CG	0.0757
Gm12	32728975	32729429	Gmdrm	hyper	CG	0.4948
Gm12	33385277	33385309	Gmdrm	hyper	CG	0.0617
Gm12	33899105	33899343	Gmdrm	hyper	CG	0.0317
Gm12	33946495	33946986	Gmdrm	hyper	CG	0.0615
Gm12	33951316	33951382	Gmdrm	hyper	CG	0.928
Gm12	34195202	34195475	Gmdrm	hyper	CG	0.0483
Gm12	34553374	34553539	Gmdrm	hyper	CG	0.0513
Gm12	34662501	34662730	Gmdrm	hyper	CG	0.0269
Gm12	34714172	34714411	Gmdrm	hyper	CG	0.0392
Gm12	34774245	34774656	Gmdrm	hyper	CG	0.0331
Gm12	34892946	34893162	Gmdrm	hyper	CG	0.1029
Gm12	35054919	35054985	Gmdrm	hyper	CG	0.0434
Gm12	35109161	35109337	Gmdrm	hyper	CG	0.1179
Gm12	35231803	35232277	Gmdrm	hyper	CG	0.0427
Gm12	35246625	35246811	Gmdrm	hyper	CG	0.0571
Gm12	35716050	35716125	Gmdrm	hyper	CG	0.0372
Gm12	35989914	35990160	Gmdrm	hyper	CG	0.0499
Gm12	36214149	36214275	Gmdrm	hyper	CG	0.034
Gm12	36258140	36258213	Gmdrm	hyper	CG	0.09
Gm12	36277294	36277493	Gmdrm	hyper	CG	0.0517
Gm12	36389051	36389176	Gmdrm	hyper	CG	0.055
Gm12	36390231	36390312	Gmdrm	hyper	CG	0.1829
Gm12	36560711	36560811	Gmdrm	hyper	CG	0.605
Gm12	36608140	36608287	Gmdrm	hyper	CG	0.0575
Gm12	36722384	36722730	Gmdrm	hyper	CG	0.0307
Gm12	36728563	36728596	Gmdrm	hyper	CG	0.88
Gm12	36775451	36775495	Gmdrm	hyper	CG	0.0538
Gm12	36804060	36804852	Gmdrm	hyper	CG	0.04

Gm12	36907479	36907538	Gmdrm	hyper	CG	0.031
Gm12	37104589	37104695	Gmdrm	hyper	CG	0.055
Gm12	37168652	37168668	Gmdrm	hyper	CG	0.94
Gm12	37224841	37224878	Gmdrm	hyper	CG	0.4433
Gm12	37225299	37225430	Gmdrm	hyper	CG	0.064
Gm12	37256049	37256125	Gmdrm	hyper	CG	0.6833
Gm12	37299054	37299125	Gmdrm	hyper	CG	0.672
Gm12	37395697	37396098	Gmdrm	hyper	CG	0.0476
Gm12	37409279	37409473	Gmdrm	hyper	CG	0.0433
Gm12	37503279	37503400	Gmdrm	hyper	CG	0.0475
Gm12	37965046	37965089	Gmdrm	hyper	CG	0.058
Gm12	38000657	38000861	Gmdrm	hyper	CG	0.0457
Gm12	38008485	38008627	Gmdrm	hyper	CG	0.03
Gm12	38164015	38164217	Gmdrm	hyper	CG	0.0429
Gm12	38233845	38233873	Gmdrm	hyper	CG	0.7527
Gm12	38467053	38467166	Gmdrm	hyper	CG	0.0333
Gm12	38601846	38601864	Gmdrm	hyper	CG	0.74
Gm12	38683514	38683576	Gmdrm	hyper	CG	0.0388
Gm12	39090991	39091069	Gmdrm	hyper	CG	0.048
Gm12	39195890	39196203	Gmdrm	hyper	CG	0.0273
Gm12	39620757	39620822	Gmdrm	hyper	CG	0.0725
Gm12	39653144	39653181	Gmdrm	hyper	CG	0.744
Gm12	39681086	39681179	Gmdrm	hyper	CG	0.9633
Gm12	39723083	39723135	Gmdrm	hyper	CG	0.622
Gm12	39826137	39826322	Gmdrm	hyper	CG	0.0625
Gm12	39845572	39845618	Gmdrm	hyper	CG	0.5871
Gm12	39870938	39870981	Gmdrm	hyper	CG	0.955
Gm12	39926892	39926919	Gmdrm	hyper	CG	0.0617
Gm12	40194099	40194185	Gmdrm	hyper	CG	0.0317
Gm12	40226332	40226499	Gmdrm	hyper	CG	0.663
Gm12	40516366	40516663	Gmdrm	hyper	CG	0.33
Gm12	40949286	40949392	Gmdrm	hyper	CG	0.0714
Gm12	41057003	41057072	Gmdrm	hyper	CG	0.9
Gm12	41057391	41057633	Gmdrm	hyper	CG	0.569
Gm12	41072462	41072536	Gmdrm	hyper	CG	0.026
Gm12	41176235	41176351	Gmdrm	hyper	CG	0.038
Gm12	41249921	41250030	Gmdrm	hyper	CG	0.704
Gm12	41288309	41288372	Gmdrm	hyper	CG	0.618
Gm12	41288523	41288860	Gmdrm	hyper	CG	0.1909
Gm12	41423084	41423196	Gmdrm	hyper	CG	0.0511
Gm12	41512563	41512691	Gmdrm	hyper	CG	0.6617
Gm12_scaffo	8444	8557	Gmdrm	hyper	CG	0.67
Gm13	163097	163126	Gmdrm	hyper	CG	0.1
Gm13	244025	244095	Gmdrm	hyper	CG	0.9333
Gm13	277596	277868	Gmdrm	hyper	CG	0.0675
Gm13	314467	314567	Gmdrm	hyper	CG	0.766

Gm13	369734	370308	Gmdrm	hyper	CG	0.0385
Gm13	431384	432085	Gmdrm	hyper	CG	0.069
Gm13	449036	449100	Gmdrm	hyper	CG	0.0433
Gm13	469349	469441	Gmdrm	hyper	CG	0.956
Gm13	665697	665746	Gmdrm	hyper	CG	0.6
Gm13	713385	713415	Gmdrm	hyper	CG	0.4717
Gm13	713729	713880	Gmdrm	hyper	CG	0.0406
Gm13	779851	779911	Gmdrm	hyper	CG	0.0587
Gm13	791504	791723	Gmdrm	hyper	CG	0.0387
Gm13	835213	835329	Gmdrm	hyper	CG	0.1337
Gm13	852734	852768	Gmdrm	hyper	CG	0.07
Gm13	1031467	1031666	Gmdrm	hyper	CG	0.55
Gm13	1031786	1031886	Gmdrm	hyper	CG	0.5366
Gm13	1211479	1211852	Gmdrm	hyper	CG	0.0478
Gm13	1266530	1266732	Gmdrm	hyper	CG	0.0256
Gm13	1391582	1391960	Gmdrm	hyper	CG	0.048
Gm13	1500269	1500791	Gmdrm	hyper	CG	0.3508
Gm13	1554859	1554868	Gmdrm	hyper	CG	0.76
Gm13	1558806	1558962	Gmdrm	hyper	CG	0.1114
Gm13	1599828	1599937	Gmdrm	hyper	CG	0.046
Gm13	1643598	1643674	Gmdrm	hyper	CG	0.031
Gm13	1783042	1783120	Gmdrm	hyper	CG	0.04
Gm13	1850769	1850827	Gmdrm	hyper	CG	0.0286
Gm13	1887739	1887937	Gmdrm	hyper	CG	0.095
Gm13	1932526	1932805	Gmdrm	hyper	CG	0.075
Gm13	2072010	2072597	Gmdrm	hyper	CG	0.0385
Gm13	2149302	2149591	Gmdrm	hyper	CG	0.0422
Gm13	2251973	2252184	Gmdrm	hyper	CG	0.1162
Gm13	2353958	2354009	Gmdrm	hyper	CG	0.0483
Gm13	2508834	2509101	Gmdrm	hyper	CG	0.0456
Gm13	2692604	2692924	Gmdrm	hyper	CG	0.0588
Gm13	2892546	2892613	Gmdrm	hyper	CG	0.622
Gm13	2908595	2908987	Gmdrm	hyper	CG	0.0409
Gm13	3118751	3118811	Gmdrm	hyper	CG	0.0434
Gm13	3132755	3132872	Gmdrm	hyper	CG	0.0466
Gm13	3135289	3136266	Gmdrm	hyper	CG	0.0346
Gm13	3314494	3314638	Gmdrm	hyper	CG	0.085
Gm13	3338978	3339646	Gmdrm	hyper	CG	0.0254
Gm13	3435069	3436047	Gmdrm	hyper	CG	0.0259
Gm13	3509849	3510087	Gmdrm	hyper	CG	0.0478
Gm13	3559438	3559848	Gmdrm	hyper	CG	0.0307
Gm13	3567152	3568150	Gmdrm	hyper	CG	0.0304
Gm13	3588901	3589085	Gmdrm	hyper	CG	0.03
Gm13	3592112	3592280	Gmdrm	hyper	CG	0.876
Gm13	3624506	3624860	Gmdrm	hyper	CG	0.2245
Gm13	3632730	3632770	Gmdrm	hyper	CG	0.6733

Gm13	3676648	3676857	Gmdrm	hyper	CG	0.0431
Gm13	3848199	3848264	Gmdrm	hyper	CG	0.036
Gm13	4012909	4013084	Gmdrm	hyper	CG	0.0543
Gm13	4023548	4023925	Gmdrm	hyper	CG	0.0622
Gm13	4027121	4027391	Gmdrm	hyper	CG	0.0662
Gm13	4077848	4078107	Gmdrm	hyper	CG	0.0392
Gm13	4141025	4141419	Gmdrm	hyper	CG	0.14
Gm13	4147572	4147654	Gmdrm	hyper	CG	0.0613
Gm13	4161402	4161480	Gmdrm	hyper	CG	0.055
Gm13	4194791	4194970	Gmdrm	hyper	CG	0.0562
Gm13	4202112	4202156	Gmdrm	hyper	CG	0.0312
Gm13	4419501	4419567	Gmdrm	hyper	CG	1
Gm13	4594517	4595131	Gmdrm	hyper	CG	0.0489
Gm13	5017698	5017745	Gmdrm	hyper	CG	0.122
Gm13	5089397	5089424	Gmdrm	hyper	CG	0.0383
Gm13	5103378	5103616	Gmdrm	hyper	CG	0.08
Gm13	5220716	5221037	Gmdrm	hyper	CG	0.0379
Gm13	5238421	5238532	Gmdrm	hyper	CG	0.108
Gm13	5238705	5238750	Gmdrm	hyper	CG	0.88
Gm13	5281299	5281700	Gmdrm	hyper	CG	0.0618
Gm13	5312025	5312273	Gmdrm	hyper	CG	0.072
Gm13	5370284	5370383	Gmdrm	hyper	CG	0.1488
Gm13	5532995	5533243	Gmdrm	hyper	CG	0.115
Gm13	5732567	5732918	Gmdrm	hyper	CG	0.05
Gm13	5737316	5737851	Gmdrm	hyper	CG	0.0366
Gm13	5759244	5760229	Gmdrm	hyper	CG	0.03
Gm13	5872714	5873387	Gmdrm	hyper	CG	0.0348
Gm13	5954927	5955466	Gmdrm	hyper	CG	0.0341
Gm13	5991516	5992351	Gmdrm	hyper	CG	0.0406
Gm13	6033825	6034387	Gmdrm	hyper	CG	0.0434
Gm13	6059810	6060806	Gmdrm	hyper	CG	0.0307
Gm13	6195541	6196173	Gmdrm	hyper	CG	0.0452
Gm13	6203967	6204966	Gmdrm	hyper	CG	0.0285
Gm13	6313652	6313699	Gmdrm	hyper	CG	0.072
Gm13	6555755	6556576	Gmdrm	hyper	CG	0.0223
Gm13	6575666	6575782	Gmdrm	hyper	CG	0.0542
Gm13	6602780	6603767	Gmdrm	hyper	CG	0.0582
Gm13	6625835	6625919	Gmdrm	hyper	CG	0.764
Gm13	6669249	6669366	Gmdrm	hyper	CG	0.0578
Gm13	6689733	6690424	Gmdrm	hyper	CG	0.0322
Gm13	6727960	6728036	Gmdrm	hyper	CG	0.08
Gm13	6739140	6739261	Gmdrm	hyper	CG	0.1412
Gm13	6794642	6794869	Gmdrm	hyper	CG	0.0571
Gm13	6814910	6815527	Gmdrm	hyper	CG	0.0375
Gm13	7263145	7263578	Gmdrm	hyper	CG	0.0341
Gm13	7302257	7302921	Gmdrm	hyper	CG	0.0424

Gm13	7357580	7357933	Gmdrm	hyper	CG	0.045
Gm13	7370016	7370147	Gmdrm	hyper	CG	0.06
Gm13	7436516	7436633	Gmdrm	hyper	CG	0.0484
Gm13	7538742	7539324	Gmdrm	hyper	CG	0.0407
Gm13	7589194	7589561	Gmdrm	hyper	CG	0.0554
Gm13	7671059	7671243	Gmdrm	hyper	CG	0.055
Gm13	7684901	7685051	Gmdrm	hyper	CG	0.0388
Gm13	7776002	7776181	Gmdrm	hyper	CG	0.0583
Gm13	7847824	7847868	Gmdrm	hyper	CG	0.065
Gm13	7994300	7994348	Gmdrm	hyper	CG	0.068
Gm13	8010933	8011168	Gmdrm	hyper	CG	0.0571
Gm13	8252829	8252975	Gmdrm	hyper	CG	0.0537
Gm13	8258646	8258763	Gmdrm	hyper	CG	0.085
Gm13	8267897	8268031	Gmdrm	hyper	CG	0.0925
Gm13	8307039	8307385	Gmdrm	hyper	CG	0.0563
Gm13	8343313	8343537	Gmdrm	hyper	CG	0.047
Gm13	8407671	8408596	Gmdrm	hyper	CG	0.0347
Gm13	8416610	8416681	Gmdrm	hyper	CG	0.055
Gm13	8466511	8467243	Gmdrm	hyper	CG	0.0214
Gm13	8556311	8556548	Gmdrm	hyper	CG	0.0487
Gm13	8879788	8879900	Gmdrm	hyper	CG	0.059
Gm13	8888725	8889119	Gmdrm	hyper	CG	0.0323
Gm13	8908643	8908871	Gmdrm	hyper	CG	0.1022
Gm13	9064213	9064678	Gmdrm	hyper	CG	0.0713
Gm13	9396960	9397198	Gmdrm	hyper	CG	0.057
Gm13	9574748	9575080	Gmdrm	hyper	CG	0.0494
Gm13	9576967	9577263	Gmdrm	hyper	CG	0.0499
Gm13	9718283	9718353	Gmdrm	hyper	CG	0.9017
Gm13	9718856	9718907	Gmdrm	hyper	CG	0.915
Gm13	9719163	9719231	Gmdrm	hyper	CG	0.8267
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Gm13	10054643	10054781	Gmdrm	hyper	CG	0.045
Gm13	10221101	10221186	Gmdrm	hyper	CG	0.0467
Gm13	10373175	10373455	Gmdrm	hyper	CG	0.0685
Gm13	10407076	10407935	Gmdrm	hyper	CG	0.0205
Gm13	10790776	10790971	Gmdrm	hyper	CG	0.047
Gm13	10894407	10894825	Gmdrm	hyper	CG	0.0473
Gm13	10986140	10986612	Gmdrm	hyper	CG	0.036
Gm13	11020689	11021109	Gmdrm	hyper	CG	0.0384
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Gm13	11317824	11317839	Gmdrm	hyper	CG	0.8284
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Gm13	11414284	11414665	Gmdrm	hyper	CG	0.4573
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Gm13	11453923	11454153	Gmdrm	hyper	CG	0.0475
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Gm13	13658886	13659046	Gmdrm	hyper	CG	0.062
Gm13	13680924	13680935	Gmdrm	hyper	CG	0.56
Gm13	13703554	13703709	Gmdrm	hyper	CG	0.5034
Gm13	13736976	13737183	Gmdrm	hyper	CG	0.3835
Gm13	14358826	14358889	Gmdrm	hyper	CG	0.2
Gm13	14359010	14359072	Gmdrm	hyper	CG	0.1775
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Gm13	14741545	14741647	Gmdrm	hyper	CG	0.776
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Gm13	15329758	15329788	Gmdrm	hyper	CG	0.7111
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Gm13	16351328	16352054	Gmdrm	hyper	CG	0.0339
Gm13	16481896	16482227	Gmdrm	hyper	CG	0.0689
Gm13	16502311	16502502	Gmdrm	hyper	CG	0.0486
Gm13	16536119	16537082	Gmdrm	hyper	CG	0.0285
Gm13	16671813	16672036	Gmdrm	hyper	CG	0.0625
Gm13	16811638	16811666	Gmdrm	hyper	CG	0.0817
Gm13	17179111	17179232	Gmdrm	hyper	CG	0.2671
Gm13	17179979	17180027	Gmdrm	hyper	CG	0.588
Gm13	17221683	17221921	Gmdrm	hyper	CG	0.0336
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Gm13	17963463	17963751	Gmdrm	hyper	CG	0.0271
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Gm13	18345282	18345308	Gmdrm	hyper	CG	0.235
Gm13	18429753	18429905	Gmdrm	hyper	CG	0.09
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Gm13	18646977	18647112	Gmdrm	hyper	CG	0.0386
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Gm13	18727689	18727819	Gmdrm	hyper	CG	0.62
Gm13	18991440	18991824	Gmdrm	hyper	CG	0.0527
Gm13	19012718	19012792	Gmdrm	hyper	CG	0.9667
Gm13	19125438	19125591	Gmdrm	hyper	CG	0.0433
Gm13	19219701	19220193	Gmdrm	hyper	CG	0.0378
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Gm13	19823781	19823863	Gmdrm	hyper	CG	0.794
Gm13	19954800	19954818	Gmdrm	hyper	CG	0.5066
Gm13	20026095	20026439	Gmdrm	hyper	CG	0.0425
Gm13	20149372	20149488	Gmdrm	hyper	CG	0.744
Gm13	20235811	20236085	Gmdrm	hyper	CG	0.2205
Gm13	20336906	20336986	Gmdrm	hyper	CG	0.044
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Gm13	20501149	20501257	Gmdrm	hyper	CG	0.0926
Gm13	21135821	21135909	Gmdrm	hyper	CG	0.0533
Gm13	21205451	21205600	Gmdrm	hyper	CG	0.0328
Gm13	21398992	21399094	Gmdrm	hyper	CG	0.0409
Gm13	21461636	21461681	Gmdrm	hyper	CG	0.19
Gm13	21477916	21478400	Gmdrm	hyper	CG	0.0619
Gm13	21500284	21501257	Gmdrm	hyper	CG	0.07
Gm13	21522524	21522828	Gmdrm	hyper	CG	0.2242
Gm13	21525536	21525627	Gmdrm	hyper	CG	0.774
Gm13	21587690	21587794	Gmdrm	hyper	CG	0.044
Gm13	21733522	21733637	Gmdrm	hyper	CG	0.0335
Gm13	21773828	21774774	Gmdrm	hyper	CG	0.0093
Gm13	21796090	21796374	Gmdrm	hyper	CG	0.3883
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Gm13	22115009	22115039	Gmdrm	hyper	CG	0.06
Gm13	22144648	22144687	Gmdrm	hyper	CG	0.62
Gm13	22240341	22240570	Gmdrm	hyper	CG	0.036
Gm13	22295440	22295613	Gmdrm	hyper	CG	0.2509
Gm13	22319679	22319871	Gmdrm	hyper	CG	0.115

Gm13	22394032	22394082	Gmdrm	hyper	CG	0.6467
Gm13	22465491	22465734	Gmdrm	hyper	CG	0.034
Gm13	22522024	22522125	Gmdrm	hyper	CG	0.187
Gm13	22522250	22522354	Gmdrm	hyper	CG	0.4616
Gm13	22684521	22684673	Gmdrm	hyper	CG	0.745
Gm13	22896053	22896154	Gmdrm	hyper	CG	0.5091
Gm13	22979841	22979973	Gmdrm	hyper	CG	0.0467
Gm13	22988135	22988346	Gmdrm	hyper	CG	0.0416
Gm13	23093893	23094106	Gmdrm	hyper	CG	0.0878
Gm13	23125801	23125834	Gmdrm	hyper	CG	0.6362
Gm13	23161371	23161427	Gmdrm	hyper	CG	0.055
Gm13	23220061	23220174	Gmdrm	hyper	CG	0.465
Gm13	23348927	23348956	Gmdrm	hyper	CG	0.1575
Gm13	23426601	23426673	Gmdrm	hyper	CG	0.4278
Gm13	23428149	23428349	Gmdrm	hyper	CG	0.0391
Gm13	23574528	23574807	Gmdrm	hyper	CG	0.4791
Gm13	23804949	23805061	Gmdrm	hyper	CG	0.65
Gm13	23999259	23999548	Gmdrm	hyper	CG	0.5322
Gm13	24077208	24077260	Gmdrm	hyper	CG	0.2012
Gm13	24191378	24191457	Gmdrm	hyper	CG	0.734
Gm13	24260721	24261018	Gmdrm	hyper	CG	0.0509
Gm13	24324346	24324473	Gmdrm	hyper	CG	0.0489
Gm13	24724827	24724941	Gmdrm	hyper	CG	0.2675
Gm13	24771599	24771627	Gmdrm	hyper	CG	0.694
Gm13	24783125	24783297	Gmdrm	hyper	CG	0.179
Gm13	25021783	25021849	Gmdrm	hyper	CG	0.042
Gm13	25206514	25206574	Gmdrm	hyper	CG	0.6455
Gm13	25275462	25275579	Gmdrm	hyper	CG	0.03
Gm13	25336757	25336933	Gmdrm	hyper	CG	0.17
Gm13	25418933	25418985	Gmdrm	hyper	CG	0.065
Gm13	25614968	25615047	Gmdrm	hyper	CG	0.075
Gm13	25653244	25653274	Gmdrm	hyper	CG	0.5566
Gm13	26023326	26023348	Gmdrm	hyper	CG	0.0517
Gm13	26159314	26160128	Gmdrm	hyper	CG	0.0332
Gm13	26163244	26163404	Gmdrm	hyper	CG	0.096
Gm13	26213427	26213776	Gmdrm	hyper	CG	0.0529
Gm13	26448828	26448884	Gmdrm	hyper	CG	0.985
Gm13	26622537	26622674	Gmdrm	hyper	CG	0.64
Gm13	26878862	26878987	Gmdrm	hyper	CG	0.7563
Gm13	27140188	27140878	Gmdrm	hyper	CG	0.2347
Gm13	27177252	27177281	Gmdrm	hyper	CG	0.07
Gm13	27189160	27189424	Gmdrm	hyper	CG	0.0549
Gm13	27349332	27349602	Gmdrm	hyper	CG	0.0533
Gm13	27396753	27396797	Gmdrm	hyper	CG	0.09
Gm13	27673230	27673260	Gmdrm	hyper	CG	0.6162
Gm13	27852214	27852228	Gmdrm	hyper	CG	0.6583

Gm13	28216769	28216988	Gmdrm	hyper	CG	0.0345
Gm13	28593996	28594133	Gmdrm	hyper	CG	0.13
Gm13	28615106	28615134	Gmdrm	hyper	CG	0.9767
Gm13	29018738	29019314	Gmdrm	hyper	CG	0.3279
Gm13	29245588	29245801	Gmdrm	hyper	CG	0.6884
Gm13	29265854	29266042	Gmdrm	hyper	CG	0.04
Gm13	29446893	29446907	Gmdrm	hyper	CG	0.91
Gm13	29451980	29452048	Gmdrm	hyper	CG	0.0267
Gm13	29535318	29535660	Gmdrm	hyper	CG	0.3467
Gm13	29570624	29570850	Gmdrm	hyper	CG	0.0211
Gm13	29614739	29614804	Gmdrm	hyper	CG	0.39
Gm13	29770235	29770362	Gmdrm	hyper	CG	0.5386
Gm13	29789041	29789168	Gmdrm	hyper	CG	0.0344
Gm13	30001367	30001492	Gmdrm	hyper	CG	0.9467
Gm13	30001628	30001671	Gmdrm	hyper	CG	0.9317
Gm13	30005697	30006053	Gmdrm	hyper	CG	0.0386
Gm13	30096113	30096233	Gmdrm	hyper	CG	0.4531
Gm13	30193835	30193981	Gmdrm	hyper	CG	0.1472
Gm13	30278849	30278938	Gmdrm	hyper	CG	0.222
Gm13	30280539	30280568	Gmdrm	hyper	CG	0.06
Gm13	30310309	30310418	Gmdrm	hyper	CG	0.2125
Gm13	30355845	30356036	Gmdrm	hyper	CG	0.0583
Gm13	30453169	30453402	Gmdrm	hyper	CG	0.6319
Gm13	30453510	30453519	Gmdrm	hyper	CG	0.67
Gm13	30472882	30472940	Gmdrm	hyper	CG	0.0866
Gm13	30560221	30560339	Gmdrm	hyper	CG	0.3593
Gm13	30719891	30719913	Gmdrm	hyper	CG	0.8683
Gm13	30901184	30901284	Gmdrm	hyper	CG	0.5355
Gm13	30911075	30911096	Gmdrm	hyper	CG	0.5038
Gm13	30952275	30952289	Gmdrm	hyper	CG	0.46
Gm13	31014344	31014471	Gmdrm	hyper	CG	0.7013
Gm13	31610636	31610726	Gmdrm	hyper	CG	0.055
Gm13	31786266	31786431	Gmdrm	hyper	CG	0.74
Gm13	31786532	31786927	Gmdrm	hyper	CG	0.5391
Gm13	32119979	32119995	Gmdrm	hyper	CG	0.68
Gm13	32121457	32121573	Gmdrm	hyper	CG	0.4878
Gm13	32251638	32251721	Gmdrm	hyper	CG	0.1343
Gm13	32380034	32380095	Gmdrm	hyper	CG	0.064
Gm13	32392974	32393190	Gmdrm	hyper	CG	0.0771
Gm13	32517403	32517454	Gmdrm	hyper	CG	0.6933
Gm13	32672980	32673072	Gmdrm	hyper	CG	0.051
Gm13	32728960	32729215	Gmdrm	hyper	CG	0.0454
Gm13	32773907	32774098	Gmdrm	hyper	CG	0.0343
Gm13	32971712	32971745	Gmdrm	hyper	CG	0.1117
Gm13	33105920	33105974	Gmdrm	hyper	CG	0.738
Gm13	33138373	33138412	Gmdrm	hyper	CG	0.2

Gm13	33303724	33303823	Gmdrm	hyper	CG	0.5883
Gm13	33332600	33332996	Gmdrm	hyper	CG	0.0378
Gm13	33375197	33375378	Gmdrm	hyper	CG	0.595
Gm13	33378069	33378136	Gmdrm	hyper	CG	0.9467
Gm13	33529176	33529216	Gmdrm	hyper	CG	0.118
Gm13	33602980	33603194	Gmdrm	hyper	CG	0.0158
Gm13	33649971	33650097	Gmdrm	hyper	CG	0.0425
Gm13	33753332	33753750	Gmdrm	hyper	CG	0.6565
Gm13	33773492	33773512	Gmdrm	hyper	CG	0.686
Gm13	33879211	33879262	Gmdrm	hyper	CG	0.9617
Gm13	33899447	33899512	Gmdrm	hyper	CG	0.308
Gm13	33900047	33900076	Gmdrm	hyper	CG	0.0667
Gm13	33975509	33975637	Gmdrm	hyper	CG	0.034
Gm13	34031022	34031116	Gmdrm	hyper	CG	0.055
Gm13	34372124	34372286	Gmdrm	hyper	CG	0.066
Gm13	34504966	34505045	Gmdrm	hyper	CG	0.9717
Gm13	34622414	34622442	Gmdrm	hyper	CG	0.6417
Gm13	34899474	34899542	Gmdrm	hyper	CG	0.03
Gm13	35183303	35183396	Gmdrm	hyper	CG	0.0443
Gm13	35284192	35284345	Gmdrm	hyper	CG	0.014
Gm13	35513011	35513230	Gmdrm	hyper	CG	0.042
Gm13	35563065	35563113	Gmdrm	hyper	CG	0.0588
Gm13	35663453	35663557	Gmdrm	hyper	CG	0.0315
Gm13	35665716	35665744	Gmdrm	hyper	CG	0.8567
Gm13	35719818	35719908	Gmdrm	hyper	CG	0.555
Gm13	36486178	36486403	Gmdrm	hyper	CG	0.5525
Gm13	36487896	36488160	Gmdrm	hyper	CG	0.0263
Gm13	36514051	36514190	Gmdrm	hyper	CG	0.7069
Gm13	36514713	36514735	Gmdrm	hyper	CG	0.57
Gm13	36602570	36602747	Gmdrm	hyper	CG	0.028
Gm13	36937615	36937728	Gmdrm	hyper	CG	0.6011
Gm13	37151120	37151317	Gmdrm	hyper	CG	0.4272
Gm13	37291706	37291874	Gmdrm	hyper	CG	0.0583
Gm13	37717701	37717804	Gmdrm	hyper	CG	0.682
Gm13	37997455	37997600	Gmdrm	hyper	CG	0.036
Gm13	38132200	38132284	Gmdrm	hyper	CG	0.0563
Gm13	38307106	38307235	Gmdrm	hyper	CG	0.0291
Gm13	38434621	38434730	Gmdrm	hyper	CG	0.6844
Gm13	38682018	38682089	Gmdrm	hyper	CG	0.066
Gm13	38917719	38917824	Gmdrm	hyper	CG	0.6529
Gm13	38977487	38977514	Gmdrm	hyper	CG	0.0757
Gm13	39090450	39090463	Gmdrm	hyper	CG	0.72
Gm13	39285320	39285411	Gmdrm	hyper	CG	0.408
Gm13	39292391	39292482	Gmdrm	hyper	CG	0.042
Gm13	39354610	39354686	Gmdrm	hyper	CG	0.5166
Gm13	39376689	39376939	Gmdrm	hyper	CG	0.0359

Gm13	39417523	39417653	Gmdrm	hyper	CG	0.0433
Gm13	39501437	39501735	Gmdrm	hyper	CG	0.5545
Gm13	39597763	39598088	Gmdrm	hyper	CG	0.4965
Gm13	39654901	39654917	Gmdrm	hyper	CG	0.78
Gm13	40031970	40032160	Gmdrm	hyper	CG	0.0389
Gm13	40158194	40158349	Gmdrm	hyper	CG	0.0366
Gm13	40483907	40484122	Gmdrm	hyper	CG	0.0955
Gm13	40521339	40521384	Gmdrm	hyper	CG	0.5383
Gm13	40540996	40541129	Gmdrm	hyper	CG	0.05
Gm13	40764746	40764791	Gmdrm	hyper	CG	0.742
Gm13	40907585	40908063	Gmdrm	hyper	CG	0.438
Gm13	41193370	41193618	Gmdrm	hyper	CG	0.04
Gm13	41269744	41269937	Gmdrm	hyper	CG	0.0257
Gm13	41361833	41362033	Gmdrm	hyper	CG	0.03
Gm13	41371224	41371450	Gmdrm	hyper	CG	0.044
Gm13	41407972	41408116	Gmdrm	hyper	CG	0.0667
Gm13	41422620	41422875	Gmdrm	hyper	CG	0.19
Gm13	41423449	41423543	Gmdrm	hyper	CG	0.26
Gm13	41461671	41461922	Gmdrm	hyper	CG	0.062
Gm13	41742068	41742160	Gmdrm	hyper	CG	0.6267
Gm13	41816697	41817021	Gmdrm	hyper	CG	0.0371
Gm13	41882873	41882957	Gmdrm	hyper	CG	0.4356
Gm13	41950332	41950492	Gmdrm	hyper	CG	0.4921
Gm13	42165591	42165685	Gmdrm	hyper	CG	0.774
Gm13	42167986	42167999	Gmdrm	hyper	CG	0.812
Gm13	42183809	42183842	Gmdrm	hyper	CG	0.6583
Gm13	42186019	42186106	Gmdrm	hyper	CG	0.5133
Gm13	42308611	42308880	Gmdrm	hyper	CG	0.059
Gm13	42401467	42401724	Gmdrm	hyper	CG	0.0386
Gm13	42733276	42733334	Gmdrm	hyper	CG	0.1333
Gm13	42733475	42733682	Gmdrm	hyper	CG	0.11
Gm13	43023168	43023248	Gmdrm	hyper	CG	0.725
Gm13	43087848	43087982	Gmdrm	hyper	CG	0.0488
Gm13	43108075	43108249	Gmdrm	hyper	CG	0.05
Gm13	43173048	43173386	Gmdrm	hyper	CG	0.0312
Gm13	43350931	43351070	Gmdrm	hyper	CG	0.06
Gm13	43390561	43390655	Gmdrm	hyper	CG	0.2737
Gm13	43475788	43475819	Gmdrm	hyper	CG	0.6367
Gm13	43510206	43510306	Gmdrm	hyper	CG	0.8343
Gm13	43533004	43533172	Gmdrm	hyper	CG	0.044
Gm13	43684272	43684278	Gmdrm	hyper	CG	0.4833
Gm13	43742495	43742649	Gmdrm	hyper	CG	0.0533
Gm13	44040851	44041330	Gmdrm	hyper	CG	0.047
Gm13	44043027	44043094	Gmdrm	hyper	CG	0.718
Gm13	44330157	44330320	Gmdrm	hyper	CG	0.5107
Gm13	44388543	44388638	Gmdrm	hyper	CG	0.094

Gm13	45050446	45050611	Gmdrm	hyper	CG	0.052
Gm13	45052562	45052743	Gmdrm	hyper	CG	0.036
Gm13	45180979	45181114	Gmdrm	hyper	CG	0.0675
Gm13_scaffo	686283	686621	Gmdrm	hyper	CG	0.0427
Gm13_scaffo	698391	698873	Gmdrm	hyper	CG	0.0217
Gm13_scaffo	710459	710573	Gmdrm	hyper	CG	0.0943
Gm14	70674	70760	Gmdrm	hyper	CG	0.098
Gm14	110751	110811	Gmdrm	hyper	CG	0.696
Gm14	131330	131501	Gmdrm	hyper	CG	0.82
Gm14	189247	189381	Gmdrm	hyper	CG	0.0608
Gm14	216632	216731	Gmdrm	hyper	CG	0.05
Gm14	316053	316233	Gmdrm	hyper	CG	0.2787
Gm14	423618	423663	Gmdrm	hyper	CG	0.8
Gm14	692321	692329	Gmdrm	hyper	CG	0.048
Gm14	1020111	1020155	Gmdrm	hyper	CG	0.48
Gm14	1099501	1099564	Gmdrm	hyper	CG	0.9466
Gm14	1122004	1122021	Gmdrm	hyper	CG	0.1017
Gm14	1174447	1174521	Gmdrm	hyper	CG	0.2125
Gm14	1238697	1238723	Gmdrm	hyper	CG	0.9133
Gm14	1253406	1253738	Gmdrm	hyper	CG	0.04
Gm14	1392997	1393172	Gmdrm	hyper	CG	0.452
Gm14	1574925	1575251	Gmdrm	hyper	CG	0.032
Gm14	1585263	1585351	Gmdrm	hyper	CG	0.7866
Gm14	1667523	1667877	Gmdrm	hyper	CG	0.6511
Gm14	1771548	1771683	Gmdrm	hyper	CG	0.0371
Gm14	1818825	1818884	Gmdrm	hyper	CG	0.1575
Gm14	1819247	1819339	Gmdrm	hyper	CG	0.1483
Gm14	1904767	1904951	Gmdrm	hyper	CG	0.0617
Gm14	2069917	2070015	Gmdrm	hyper	CG	0.64
Gm14	2070159	2070172	Gmdrm	hyper	CG	0.9367
Gm14	2121668	2121747	Gmdrm	hyper	CG	0.8663
Gm14	2122609	2122758	Gmdrm	hyper	CG	0.054
Gm14	2229086	2229224	Gmdrm	hyper	CG	0.082
Gm14	2422573	2422651	Gmdrm	hyper	CG	1
Gm14	2627679	2627841	Gmdrm	hyper	CG	0.0862
Gm14	2688614	2688712	Gmdrm	hyper	CG	0.63
Gm14	2689006	2689338	Gmdrm	hyper	CG	0.5572
Gm14	2720137	2720147	Gmdrm	hyper	CG	0.7167
Gm14	3224955	3225130	Gmdrm	hyper	CG	0.323
Gm14	3238493	3238507	Gmdrm	hyper	CG	0.875
Gm14	3267104	3267397	Gmdrm	hyper	CG	0.3878
Gm14	3590192	3590221	Gmdrm	hyper	CG	0.132
Gm14	3595153	3595166	Gmdrm	hyper	CG	0.8975
Gm14	3686659	3686734	Gmdrm	hyper	CG	0.1257
Gm14	3697434	3697646	Gmdrm	hyper	CG	0.3831
Gm14	3699821	3699944	Gmdrm	hyper	CG	0.044

Gm14	3910822	3910900	Gmdrm	hyper	CG	0.235
Gm14	3936691	3936834	Gmdrm	hyper	CG	0.9129
Gm14	3992595	3992621	Gmdrm	hyper	CG	1
Gm14	4177072	4177259	Gmdrm	hyper	CG	0.03
Gm14	4439116	4439253	Gmdrm	hyper	CG	0.04
Gm14	4495094	4495181	Gmdrm	hyper	CG	0.022
Gm14	4794161	4794320	Gmdrm	hyper	CG	0.042
Gm14	4868634	4869080	Gmdrm	hyper	CG	0.0566
Gm14	4981276	4981328	Gmdrm	hyper	CG	0.5125
Gm14	5133413	5133573	Gmdrm	hyper	CG	0.0614
Gm14	5150255	5150386	Gmdrm	hyper	CG	0.5245
Gm14	5265887	5265939	Gmdrm	hyper	CG	0.6667
Gm14	5318544	5318837	Gmdrm	hyper	CG	0.3357
Gm14	5519801	5519844	Gmdrm	hyper	CG	0.04
Gm14	5679457	5679497	Gmdrm	hyper	CG	0.848
Gm14	5699023	5699193	Gmdrm	hyper	CG	0.0237
Gm14	5748557	5748652	Gmdrm	hyper	CG	0.8217
Gm14	5749064	5749264	Gmdrm	hyper	CG	0.5475
Gm14	5776501	5776572	Gmdrm	hyper	CG	0.59
Gm14	5937550	5937773	Gmdrm	hyper	CG	0.0383
Gm14	6137579	6137830	Gmdrm	hyper	CG	0.034
Gm14	6210340	6210531	Gmdrm	hyper	CG	0.0193
Gm14	6243778	6243877	Gmdrm	hyper	CG	0.5867
Gm14	6281648	6281818	Gmdrm	hyper	CG	0.1271
Gm14	6589241	6589409	Gmdrm	hyper	CG	0.036
Gm14	6811772	6811883	Gmdrm	hyper	CG	0.045
Gm14	6814886	6815097	Gmdrm	hyper	CG	0.06
Gm14	6849816	6850094	Gmdrm	hyper	CG	0.0272
Gm14	6892470	6892521	Gmdrm	hyper	CG	0.69
Gm14	7134835	7134976	Gmdrm	hyper	CG	0.0844
Gm14	7191984	7192082	Gmdrm	hyper	CG	0.6326
Gm14	7257691	7257958	Gmdrm	hyper	CG	0.3433
Gm14	7306692	7306707	Gmdrm	hyper	CG	0.0417
Gm14	7349038	7349290	Gmdrm	hyper	CG	0.03
Gm14	7404545	7404671	Gmdrm	hyper	CG	0.536
Gm14	7424926	7425097	Gmdrm	hyper	CG	0.9388
Gm14	7425321	7425380	Gmdrm	hyper	CG	0.752
Gm14	7591069	7591222	Gmdrm	hyper	CG	0.048
Gm14	7653552	7654395	Gmdrm	hyper	CG	0.0313
Gm14	7664630	7664757	Gmdrm	hyper	CG	0.035
Gm14	7956941	7957006	Gmdrm	hyper	CG	0.794
Gm14	8039346	8039458	Gmdrm	hyper	CG	0.6657
Gm14	8109640	8109872	Gmdrm	hyper	CG	0.0633
Gm14	8133281	8133566	Gmdrm	hyper	CG	0.0386
Gm14	8182296	8182421	Gmdrm	hyper	CG	0.769
Gm14	8218185	8218450	Gmdrm	hyper	CG	0.047

Gm14	8476404	8476532	Gmdrm	hyper	CG	0.052
Gm14	8737826	8737965	Gmdrm	hyper	CG	0.0738
Gm14	8748884	8749122	Gmdrm	hyper	CG	0.056
Gm14	8766037	8766143	Gmdrm	hyper	CG	0.167
Gm14	8929521	8929653	Gmdrm	hyper	CG	0.062
Gm14	9129156	9129456	Gmdrm	hyper	CG	0.4867
Gm14	9136939	9137007	Gmdrm	hyper	CG	0.0912
Gm14	9259790	9259835	Gmdrm	hyper	CG	0.44
Gm14	9276103	9276363	Gmdrm	hyper	CG	0.0652
Gm14	9277730	9278036	Gmdrm	hyper	CG	0.0464
Gm14	9323241	9323370	Gmdrm	hyper	CG	0.034
Gm14	9349017	9349071	Gmdrm	hyper	CG	0.0733
Gm14	9569788	9569897	Gmdrm	hyper	CG	0.07
Gm14	9732664	9732692	Gmdrm	hyper	CG	0.044
Gm14	9755227	9755444	Gmdrm	hyper	CG	0.0828
Gm14	9791519	9791737	Gmdrm	hyper	CG	0.0325
Gm14	9807413	9807474	Gmdrm	hyper	CG	0.4433
Gm14	10033397	10033523	Gmdrm	hyper	CG	0.055
Gm14	10037624	10037777	Gmdrm	hyper	CG	0.0933
Gm14	10074456	10074856	Gmdrm	hyper	CG	0.0284
Gm14	10198983	10199084	Gmdrm	hyper	CG	0.044
Gm14	10424314	10424479	Gmdrm	hyper	CG	0.038
Gm14	10434140	10434488	Gmdrm	hyper	CG	0.0385
Gm14	10485740	10485843	Gmdrm	hyper	CG	0.0367
Gm14	10569817	10569895	Gmdrm	hyper	CG	0.132
Gm14	10855367	10855679	Gmdrm	hyper	CG	0.085
Gm14	10885197	10885279	Gmdrm	hyper	CG	0.0437
Gm14	10912159	10912390	Gmdrm	hyper	CG	0.0363
Gm14	11044910	11045139	Gmdrm	hyper	CG	0.25
Gm14	11104649	11104733	Gmdrm	hyper	CG	0.748
Gm14	11288565	11288636	Gmdrm	hyper	CG	0.732
Gm14	11313907	11313971	Gmdrm	hyper	CG	0.115
Gm14	11458854	11458983	Gmdrm	hyper	CG	0.035
Gm14	11612860	11613323	Gmdrm	hyper	CG	0.3878
Gm14	11686669	11686721	Gmdrm	hyper	CG	0.0617
Gm14	11767758	11767834	Gmdrm	hyper	CG	0.0663
Gm14	11794625	11794640	Gmdrm	hyper	CG	0.4133
Gm14	11898060	11898165	Gmdrm	hyper	CG	0.0575
Gm14	11914123	11914142	Gmdrm	hyper	CG	0.1117
Gm14	11920477	11920683	Gmdrm	hyper	CG	0.5643
Gm14	11977923	11978276	Gmdrm	hyper	CG	0.054
Gm14	12035497	12035616	Gmdrm	hyper	CG	0.0884
Gm14	12063007	12063054	Gmdrm	hyper	CG	0.0301
Gm14	12065708	12065829	Gmdrm	hyper	CG	0.1117
Gm14	12271699	12271741	Gmdrm	hyper	CG	0.064
Gm14	12373686	12373827	Gmdrm	hyper	CG	0.0425

Gm14	12639333	12639366	Gmdrm	hyper	CG	0.0433
Gm14	12641215	12641306	Gmdrm	hyper	CG	0.055
Gm14	12693918	12694014	Gmdrm	hyper	CG	0.0833
Gm14	12716309	12716427	Gmdrm	hyper	CG	0.071
Gm14	12734275	12734585	Gmdrm	hyper	CG	0.0672
Gm14	12745949	12746188	Gmdrm	hyper	CG	0.1
Gm14	12913227	12913417	Gmdrm	hyper	CG	0.0443
Gm14	13024137	13024403	Gmdrm	hyper	CG	0.0381
Gm14	13172530	13173385	Gmdrm	hyper	CG	0.0255
Gm14	13749397	13749921	Gmdrm	hyper	CG	0.1013
Gm14	13855175	13855338	Gmdrm	hyper	CG	0.0317
Gm14	13866294	13866367	Gmdrm	hyper	CG	0.032
Gm14	13919840	13919869	Gmdrm	hyper	CG	0.79
Gm14	13924466	13924660	Gmdrm	hyper	CG	0.0429
Gm14	13936598	13937060	Gmdrm	hyper	CG	0.0383
Gm14	14162083	14162138	Gmdrm	hyper	CG	0.7575
Gm14	14288997	14289302	Gmdrm	hyper	CG	0.072
Gm14	14355256	14355470	Gmdrm	hyper	CG	0.0353
Gm14	14533055	14533246	Gmdrm	hyper	CG	0.078
Gm14	14740971	14741073	Gmdrm	hyper	CG	0.062
Gm14	14911891	14912150	Gmdrm	hyper	CG	0.0383
Gm14	14943738	14943840	Gmdrm	hyper	CG	0.7033
Gm14	15006623	15006787	Gmdrm	hyper	CG	0.0653
Gm14	15083039	15083267	Gmdrm	hyper	CG	0.0557
Gm14	15822200	15822270	Gmdrm	hyper	CG	0.0886
Gm14	15837524	15837695	Gmdrm	hyper	CG	0.056
Gm14	16008253	16008265	Gmdrm	hyper	CG	0.0417
Gm14	16254782	16254874	Gmdrm	hyper	CG	0.045
Gm14	16365350	16365442	Gmdrm	hyper	CG	0.0967
Gm14	16419576	16419903	Gmdrm	hyper	CG	0.0372
Gm14	16466524	16466584	Gmdrm	hyper	CG	0.6971
Gm14	16504478	16505192	Gmdrm	hyper	CG	0.0404
Gm14	16701451	16701642	Gmdrm	hyper	CG	0.0713
Gm14	16896598	16897368	Gmdrm	hyper	CG	0.0293
Gm14	16976100	16976421	Gmdrm	hyper	CG	0.07
Gm14	17100109	17100274	Gmdrm	hyper	CG	0.058
Gm14	17102616	17102839	Gmdrm	hyper	CG	0.1244
Gm14	17279642	17279685	Gmdrm	hyper	CG	0.766
Gm14	17433636	17433702	Gmdrm	hyper	CG	0.1043
Gm14	17550228	17550314	Gmdrm	hyper	CG	0.0486
Gm14	17606483	17606808	Gmdrm	hyper	CG	0.0806
Gm14	17851552	17851641	Gmdrm	hyper	CG	0.0537
Gm14	18020020	18020080	Gmdrm	hyper	CG	0.495
Gm14	18054731	18054834	Gmdrm	hyper	CG	0.8508
Gm14	18102327	18102515	Gmdrm	hyper	CG	0.04
Gm14	18113065	18113180	Gmdrm	hyper	CG	0.5971

Gm14	18208492	18208572	Gmdrm	hyper	CG	0.07
Gm14	18216102	18216197	Gmdrm	hyper	CG	0.1285
Gm14	18216299	18216667	Gmdrm	hyper	CG	0.0469
Gm14	18334101	18334651	Gmdrm	hyper	CG	0.0555
Gm14	18447625	18447684	Gmdrm	hyper	CG	0.0425
Gm14	18502172	18502433	Gmdrm	hyper	CG	0.057
Gm14	18809021	18809177	Gmdrm	hyper	CG	0.1534
Gm14	18857608	18857755	Gmdrm	hyper	CG	0.0338
Gm14	18996206	18996375	Gmdrm	hyper	CG	0.0656
Gm14	19196712	19196722	Gmdrm	hyper	CG	0.055
Gm14	19207313	19207444	Gmdrm	hyper	CG	0.0613
Gm14	19231397	19231505	Gmdrm	hyper	CG	0.05
Gm14	19283630	19283812	Gmdrm	hyper	CG	0.06
Gm14	19321759	19322373	Gmdrm	hyper	CG	0.0206
Gm14	19386704	19386806	Gmdrm	hyper	CG	0.0525
Gm14	19446547	19446761	Gmdrm	hyper	CG	0.0572
Gm14	19502539	19502583	Gmdrm	hyper	CG	0.684
Gm14	19590601	19590874	Gmdrm	hyper	CG	0.6273
Gm14	19839444	19839710	Gmdrm	hyper	CG	0.08
Gm14	19869858	19870061	Gmdrm	hyper	CG	0.0392
Gm14	19917899	19917962	Gmdrm	hyper	CG	0.1028
Gm14	19922637	19923170	Gmdrm	hyper	CG	0.0505
Gm14	19968266	19969221	Gmdrm	hyper	CG	0.0444
Gm14	20015837	20015873	Gmdrm	hyper	CG	0.055
Gm14	20173906	20173970	Gmdrm	hyper	CG	0.0583
Gm14	20312982	20313222	Gmdrm	hyper	CG	0.0935
Gm14	20433774	20434075	Gmdrm	hyper	CG	0.0454
Gm14	20590458	20591199	Gmdrm	hyper	CG	0.0252
Gm14	20760412	20760553	Gmdrm	hyper	CG	0.0388
Gm14	21127031	21127609	Gmdrm	hyper	CG	0.0243
Gm14	21335608	21336007	Gmdrm	hyper	CG	0.0512
Gm14	21362923	21363073	Gmdrm	hyper	CG	0.0471
Gm14	21380850	21380950	Gmdrm	hyper	CG	0.0678
Gm14	21386685	21386935	Gmdrm	hyper	CG	0.0378
Gm14	21522977	21523969	Gmdrm	hyper	CG	0.024
Gm14	21657571	21657649	Gmdrm	hyper	CG	0.1029
Gm14	21659120	21659355	Gmdrm	hyper	CG	0.103
Gm14	21732638	21732709	Gmdrm	hyper	CG	0.116
Gm14	21801685	21802261	Gmdrm	hyper	CG	0.0322
Gm14	21832265	21832615	Gmdrm	hyper	CG	0.0784
Gm14	21984273	21984536	Gmdrm	hyper	CG	0.749
Gm14	22040075	22040499	Gmdrm	hyper	CG	0.0624
Gm14	22070991	22071093	Gmdrm	hyper	CG	0.1517
Gm14	22103394	22103684	Gmdrm	hyper	CG	0.05
Gm14	22145922	22146033	Gmdrm	hyper	CG	0.027
Gm14	22242110	22242206	Gmdrm	hyper	CG	0.0733

Gm14	22258395	22258676	Gmdrm	hyper	CG	0.0628
Gm14	22291461	22291896	Gmdrm	hyper	CG	0.0475
Gm14	22335854	22336314	Gmdrm	hyper	CG	0.0633
Gm14	22353236	22353339	Gmdrm	hyper	CG	0.092
Gm14	22432390	22433021	Gmdrm	hyper	CG	0.0532
Gm14	22540516	22540942	Gmdrm	hyper	CG	0.0203
Gm14	22545953	22546006	Gmdrm	hyper	CG	0.0317
Gm14	22586804	22586902	Gmdrm	hyper	CG	0.0724
Gm14	22626803	22627196	Gmdrm	hyper	CG	0.0564
Gm14	22633982	22634109	Gmdrm	hyper	CG	0.035
Gm14	22993307	22993685	Gmdrm	hyper	CG	0.058
Gm14	23003983	23004097	Gmdrm	hyper	CG	0.09
Gm14	23202868	23203046	Gmdrm	hyper	CG	0.0413
Gm14	23355502	23355698	Gmdrm	hyper	CG	0.04
Gm14	23517764	23518000	Gmdrm	hyper	CG	0.0655
Gm14	23829277	23829394	Gmdrm	hyper	CG	0.0492
Gm14	24292663	24292862	Gmdrm	hyper	CG	0.1114
Gm14	24335763	24335855	Gmdrm	hyper	CG	0.128
Gm14	24342804	24342896	Gmdrm	hyper	CG	0.0757
Gm14	24593130	24593247	Gmdrm	hyper	CG	0.0967
Gm14	24816267	24816466	Gmdrm	hyper	CG	0.0222
Gm14	24877865	24878132	Gmdrm	hyper	CG	0.0382
Gm14	25159431	25159744	Gmdrm	hyper	CG	0.05
Gm14	25214823	25215013	Gmdrm	hyper	CG	0.0543
Gm14	25237923	25238068	Gmdrm	hyper	CG	0.04
Gm14	25341607	25341911	Gmdrm	hyper	CG	0.0658
Gm14	25387359	25387479	Gmdrm	hyper	CG	0.0669
Gm14	25398185	25398352	Gmdrm	hyper	CG	0.056
Gm14	25402961	25403481	Gmdrm	hyper	CG	0.0413
Gm14	25438476	25438917	Gmdrm	hyper	CG	0.0395
Gm14	25536915	25537047	Gmdrm	hyper	CG	0.0938
Gm14	25654526	25654591	Gmdrm	hyper	CG	0.115
Gm14	25702461	25702848	Gmdrm	hyper	CG	0.0504
Gm14	25762807	25763112	Gmdrm	hyper	CG	0.0618
Gm14	25771313	25771471	Gmdrm	hyper	CG	0.12
Gm14	25794479	25794966	Gmdrm	hyper	CG	0.1453
Gm14	25865134	25865251	Gmdrm	hyper	CG	0.058
Gm14	25910206	25910473	Gmdrm	hyper	CG	0.106
Gm14	25984529	25984618	Gmdrm	hyper	CG	0.0559
Gm14	26366386	26366541	Gmdrm	hyper	CG	0.124
Gm14	26493745	26493952	Gmdrm	hyper	CG	0.0489
Gm14	26504943	26505177	Gmdrm	hyper	CG	0.0608
Gm14	26536151	26536410	Gmdrm	hyper	CG	0.0294
Gm14	26684754	26684882	Gmdrm	hyper	CG	0.0687
Gm14	26755750	26755890	Gmdrm	hyper	CG	0.1
Gm14	26764493	26765474	Gmdrm	hyper	CG	0.0275

Gm14	26765500	26765621	Gmdrm	hyper	CG	0.0787
Gm14	26790193	26790632	Gmdrm	hyper	CG	0.0533
Gm14	26826648	26826813	Gmdrm	hyper	CG	0.5513
Gm14	26833152	26833458	Gmdrm	hyper	CG	0.0344
Gm14	26883616	26883877	Gmdrm	hyper	CG	0.0459
Gm14	26951669	26951719	Gmdrm	hyper	CG	0.645
Gm14	27064132	27064223	Gmdrm	hyper	CG	0.076
Gm14	27182201	27182284	Gmdrm	hyper	CG	0.0728
Gm14	27230640	27230827	Gmdrm	hyper	CG	0.0352
Gm14	27321276	27321310	Gmdrm	hyper	CG	0.688
Gm14	27349826	27350031	Gmdrm	hyper	CG	0.0373
Gm14	27459287	27459539	Gmdrm	hyper	CG	0.065
Gm14	27474796	27474813	Gmdrm	hyper	CG	0.7516
Gm14	27486016	27486148	Gmdrm	hyper	CG	0.08
Gm14	27790849	27790965	Gmdrm	hyper	CG	0.8974
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Gm14	27908117	27908246	Gmdrm	hyper	CG	0.0677
Gm14	28108724	28108838	Gmdrm	hyper	CG	0.8373
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Gm14	28838483	28839115	Gmdrm	hyper	CG	0.0312
Gm14	28914752	28915165	Gmdrm	hyper	CG	0.0336
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Gm14	29096983	29097188	Gmdrm	hyper	CG	0.0643
Gm14	29251989	29252082	Gmdrm	hyper	CG	0.0367
Gm14	29309923	29310324	Gmdrm	hyper	CG	0.0384
Gm14	29317192	29317584	Gmdrm	hyper	CG	0.0391
Gm14	29508430	29508571	Gmdrm	hyper	CG	0.6383
Gm14	29551138	29551766	Gmdrm	hyper	CG	0.0249
Gm14	29598399	29598429	Gmdrm	hyper	CG	0.5733
Gm14	29739509	29739702	Gmdrm	hyper	CG	0.0554
Gm14	29946338	29946434	Gmdrm	hyper	CG	0.0925
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Gm14	30054190	30054633	Gmdrm	hyper	CG	0.0497
Gm14	30079539	30079594	Gmdrm	hyper	CG	0.4483
Gm14	30097340	30097471	Gmdrm	hyper	CG	0.7088
Gm14	30170434	30170539	Gmdrm	hyper	CG	0.0531
Gm14	30219476	30219542	Gmdrm	hyper	CG	0.9933
Gm14	30234625	30235390	Gmdrm	hyper	CG	0.032
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Gm14	30445002	30445423	Gmdrm	hyper	CG	0.0435
Gm14	30629747	30630057	Gmdrm	hyper	CG	0.04
Gm14	30678211	30678575	Gmdrm	hyper	CG	0.0529
Gm14	30688560	30688987	Gmdrm	hyper	CG	0.0481
Gm14	30694603	30695259	Gmdrm	hyper	CG	0.0514
Gm14	30773260	30773707	Gmdrm	hyper	CG	0.0263
Gm14	30832348	30832386	Gmdrm	hyper	CG	0.0867
Gm14	30895924	30896016	Gmdrm	hyper	CG	0.5255
Gm14	31119852	31120386	Gmdrm	hyper	CG	0.0348
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Gm14	31524784	31524872	Gmdrm	hyper	CG	0.974
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Gm14	31544906	31545055	Gmdrm	hyper	CG	0.101
Gm14	31549113	31549435	Gmdrm	hyper	CG	0.0984
Gm14	31596834	31597433	Gmdrm	hyper	CG	0.0379
Gm14	31627721	31628112	Gmdrm	hyper	CG	0.0906
Gm14	31762654	31762897	Gmdrm	hyper	CG	0.0423
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Gm14	32127655	32127742	Gmdrm	hyper	CG	0.1587
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Gm14	32908860	32909116	Gmdrm	hyper	CG	0.0545
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Gm14	33228245	33228340	Gmdrm	hyper	CG	0.071
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Gm14	33299130	33299215	Gmdrm	hyper	CG	0.0367
Gm14	33364768	33365287	Gmdrm	hyper	CG	0.078
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Gm14	33417508	33417592	Gmdrm	hyper	CG	0.1517
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Gm14	33573938	33574002	Gmdrm	hyper	CG	0.1367
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Gm14	33741440	33741612	Gmdrm	hyper	CG	0.1422
Gm14	33765427	33765655	Gmdrm	hyper	CG	0.0556
Gm14	33820535	33820685	Gmdrm	hyper	CG	0.0854
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Gm14	33940915	33941201	Gmdrm	hyper	CG	0.0534
Gm14	33984617	33984873	Gmdrm	hyper	CG	0.0506
Gm14	34357290	34357344	Gmdrm	hyper	CG	0.052
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Gm14	36448320	36448623	Gmdrm	hyper	CG	0.0505
Gm14	36472832	36473504	Gmdrm	hyper	CG	0.0316
Gm14	36604684	36604918	Gmdrm	hyper	CG	0.0539
Gm14	36606864	36607056	Gmdrm	hyper	CG	0.0513
Gm14	36624245	36624457	Gmdrm	hyper	CG	0.075
Gm14	36636871	36637862	Gmdrm	hyper	CG	0.0296
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Gm14	36878261	36879253	Gmdrm	hyper	CG	0.0366
Gm14	36882686	36882924	Gmdrm	hyper	CG	0.0667
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Gm14	37075767	37076613	Gmdrm	hyper	CG	0.0315
Gm14	37307597	37308207	Gmdrm	hyper	CG	0.031
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Gm14	37380308	37380365	Gmdrm	hyper	CG	0.072
Gm14	37448820	37449325	Gmdrm	hyper	CG	0.054
Gm14	37467799	37467922	Gmdrm	hyper	CG	0.116
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Gm14	37522662	37522981	Gmdrm	hyper	CG	0.0589
Gm14	37631455	37631605	Gmdrm	hyper	CG	0.0481

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Gm14	37843581	37843612	Gmdrm	hyper	CG	0.048
Gm14	38179425	38179572	Gmdrm	hyper	CG	0.0886
Gm14	38242013	38242428	Gmdrm	hyper	CG	0.0472
Gm14	38255506	38255729	Gmdrm	hyper	CG	0.4741
Gm14	38385361	38385632	Gmdrm	hyper	CG	0.0493
Gm14	38535661	38535878	Gmdrm	hyper	CG	0.0619
Gm14	38549937	38550312	Gmdrm	hyper	CG	0.0218
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Gm14	38725805	38726054	Gmdrm	hyper	CG	0.046
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Gm14	39186622	39186695	Gmdrm	hyper	CG	0.088
Gm14	39205783	39205967	Gmdrm	hyper	CG	0.0578
Gm14	39212665	39212852	Gmdrm	hyper	CG	0.0429
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Gm14	39285032	39285436	Gmdrm	hyper	CG	0.082
Gm14	39414051	39414196	Gmdrm	hyper	CG	0.0737
Gm14	39418079	39418328	Gmdrm	hyper	CG	0.0338
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Gm14	39502954	39503608	Gmdrm	hyper	CG	0.0564
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Gm14	39962849	39963025	Gmdrm	hyper	CG	0.0456
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Gm14	40119599	40119984	Gmdrm	hyper	CG	0.032
Gm14	40207452	40207489	Gmdrm	hyper	CG	0.6633
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Gm14	40465251	40465395	Gmdrm	hyper	CG	0.165
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Gm14	40553866	40554074	Gmdrm	hyper	CG	0.054
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Gm14	40698853	40698920	Gmdrm	hyper	CG	0.04
Gm14	40702709	40703087	Gmdrm	hyper	CG	0.545
Gm14	40704441	40704521	Gmdrm	hyper	CG	0.8067
Gm14	40746830	40746957	Gmdrm	hyper	CG	0.0492

Gm14	40878248	40878272	Gmdrm	hyper	CG	0.975
Gm14	41075249	41075391	Gmdrm	hyper	CG	0.0768
Gm14	41186739	41187028	Gmdrm	hyper	CG	0.0664
Gm14	41187508	41187711	Gmdrm	hyper	CG	0.0526
Gm14	41204275	41204355	Gmdrm	hyper	CG	0.0588
Gm14	41307197	41307879	Gmdrm	hyper	CG	0.0461
Gm14	41409284	41409609	Gmdrm	hyper	CG	0.052
Gm14	41461343	41461902	Gmdrm	hyper	CG	0.0343
Gm14	41464579	41464679	Gmdrm	hyper	CG	0.0475
Gm14	41470258	41470720	Gmdrm	hyper	CG	0.03
Gm14	41520914	41520943	Gmdrm	hyper	CG	0.935
Gm14	41586245	41586930	Gmdrm	hyper	CG	0.0357
Gm14	41792490	41792995	Gmdrm	hyper	CG	0.0328
Gm14	41817339	41817384	Gmdrm	hyper	CG	0.0567
Gm14	41833138	41833465	Gmdrm	hyper	CG	0.071
Gm14	41987034	41987206	Gmdrm	hyper	CG	0.0492
Gm14	42076898	42077684	Gmdrm	hyper	CG	0.0291
Gm14	42258396	42258729	Gmdrm	hyper	CG	0.0554
Gm14	42310607	42311003	Gmdrm	hyper	CG	0.0476
Gm14	42509921	42510158	Gmdrm	hyper	CG	0.0475
Gm14	42618638	42618745	Gmdrm	hyper	CG	0.15
Gm14	42620981	42621058	Gmdrm	hyper	CG	1
Gm14	42671448	42671595	Gmdrm	hyper	CG	0.0943
Gm14	42861820	42862147	Gmdrm	hyper	CG	0.0424
Gm14	43060855	43061116	Gmdrm	hyper	CG	0.0758
Gm14	43169039	43169256	Gmdrm	hyper	CG	0.0742
Gm14	43191790	43192047	Gmdrm	hyper	CG	0.0809
Gm14	43287361	43287513	Gmdrm	hyper	CG	0.05
Gm14	43380037	43380161	Gmdrm	hyper	CG	0.066
Gm14	43702012	43702671	Gmdrm	hyper	CG	0.0243
Gm14	43835147	43835343	Gmdrm	hyper	CG	0.0392
Gm14	43928561	43928749	Gmdrm	hyper	CG	0.725
Gm14	43947656	43947764	Gmdrm	hyper	CG	0.1787
Gm14	44170624	44170755	Gmdrm	hyper	CG	0.0686
Gm14	44317217	44317775	Gmdrm	hyper	CG	0.0468
Gm14	44448593	44448683	Gmdrm	hyper	CG	0.126
Gm14	44455543	44455667	Gmdrm	hyper	CG	0.0283
Gm14	44825776	44826069	Gmdrm	hyper	CG	0.0447
Gm14	44948994	44949026	Gmdrm	hyper	CG	0.074
Gm14	44993263	44994088	Gmdrm	hyper	CG	0.1449
Gm14	45079414	45079619	Gmdrm	hyper	CG	0.368
Gm14	45227321	45227362	Gmdrm	hyper	CG	0.5134
Gm14	45260182	45260433	Gmdrm	hyper	CG	0.03
Gm14	45276998	45277015	Gmdrm	hyper	CG	0.83
Gm14	45303811	45303894	Gmdrm	hyper	CG	0.045
Gm14	45330143	45330324	Gmdrm	hyper	CG	0.7887

Gm14	45370324	45370410	Gmdrm	hyper	CG	0.542
Gm14	45481372	45481800	Gmdrm	hyper	CG	0.05
Gm14	45576558	45576647	Gmdrm	hyper	CG	0.0242
Gm14	45963622	45963910	Gmdrm	hyper	CG	0.0294
Gm14	45990343	45990423	Gmdrm	hyper	CG	0.078
Gm14	46027878	46027930	Gmdrm	hyper	CG	0.481
Gm14	46170022	46170085	Gmdrm	hyper	CG	0.05
Gm14	46293840	46293936	Gmdrm	hyper	CG	0.065
Gm14	46405125	46405337	Gmdrm	hyper	CG	0.3956
Gm14	46407320	46407730	Gmdrm	hyper	CG	0.2241
Gm14	46458947	46459115	Gmdrm	hyper	CG	0.0333
Gm14	46625079	46626050	Gmdrm	hyper	CG	0.0227
Gm14	46776291	46776436	Gmdrm	hyper	CG	0.0333
Gm14	46859296	46859409	Gmdrm	hyper	CG	0.57
Gm14	46886828	46886851	Gmdrm	hyper	CG	0.05
Gm14	46990125	46990397	Gmdrm	hyper	CG	0.5433
Gm14	47052926	47053222	Gmdrm	hyper	CG	0.0233
Gm14	47209636	47209681	Gmdrm	hyper	CG	0.8442
Gm14	47291273	47291320	Gmdrm	hyper	CG	0.0516
Gm14	47313691	47314040	Gmdrm	hyper	CG	0.7582
Gm14	47337316	47337482	Gmdrm	hyper	CG	0.1017
Gm14	47368039	47368269	Gmdrm	hyper	CG	0.03
Gm14	47780483	47780760	Gmdrm	hyper	CG	0.044
Gm14	48030880	48031082	Gmdrm	hyper	CG	0.0267
Gm14	48052389	48052403	Gmdrm	hyper	CG	0.9063
Gm14	48218526	48218744	Gmdrm	hyper	CG	0.6112
Gm14	48376734	48376769	Gmdrm	hyper	CG	0.3363
Gm14	48569155	48569255	Gmdrm	hyper	CG	0.032
Gm14	48571236	48571439	Gmdrm	hyper	CG	0.875
Gm14	48577466	48577533	Gmdrm	hyper	CG	0.0335
Gm14	48763454	48763583	Gmdrm	hyper	CG	0.682
Gm14	49161476	49161649	Gmdrm	hyper	CG	0.0488
Gm14	49501513	49501679	Gmdrm	hyper	CG	0.675
Gm14	49681246	49681614	Gmdrm	hyper	CG	0.0996
Gm14	49722033	49722179	Gmdrm	hyper	CG	0.07
Gm14	49738506	49738602	Gmdrm	hyper	CG	0.0534
Gm15	119592	119803	Gmdrm	hyper	CG	0.3994
Gm15	119966	119995	Gmdrm	hyper	CG	0.9767
Gm15	215307	215558	Gmdrm	hyper	CG	0.6782
Gm15	434914	434975	Gmdrm	hyper	CG	0.055
Gm15	493315	493487	Gmdrm	hyper	CG	0.146
Gm15	505089	505364	Gmdrm	hyper	CG	0.5915
Gm15	512230	512409	Gmdrm	hyper	CG	0.598
Gm15	563517	563547	Gmdrm	hyper	CG	0.8883
Gm15	563702	563796	Gmdrm	hyper	CG	0.6067
Gm15	598054	598185	Gmdrm	hyper	CG	0.7325

Gm15	668426	668488	Gmdrm	hyper	CG	0.0471
Gm15	799525	799550	Gmdrm	hyper	CG	0.9567
Gm15	872334	872502	Gmdrm	hyper	CG	0.834
Gm15	885161	885315	Gmdrm	hyper	CG	0.0384
Gm15	909184	909341	Gmdrm	hyper	CG	0.8086
Gm15	917300	917393	Gmdrm	hyper	CG	0.8072
Gm15	939683	939840	Gmdrm	hyper	CG	0.724
Gm15	1061400	1061458	Gmdrm	hyper	CG	0.1033
Gm15	1152930	1153129	Gmdrm	hyper	CG	0.0484
Gm15	1362858	1363057	Gmdrm	hyper	CG	0.0529
Gm15	1407213	1407363	Gmdrm	hyper	CG	0.5933
Gm15	1604858	1604882	Gmdrm	hyper	CG	0.5714
Gm15	1852076	1852304	Gmdrm	hyper	CG	0.0834
Gm15	1866955	1867117	Gmdrm	hyper	CG	0.034
Gm15	1870742	1870755	Gmdrm	hyper	CG	0.5034
Gm15	2073289	2073319	Gmdrm	hyper	CG	0.178
Gm15	2580771	2580787	Gmdrm	hyper	CG	0.2562
Gm15	2635556	2635655	Gmdrm	hyper	CG	0.7972
Gm15	2727828	2727938	Gmdrm	hyper	CG	0.792
Gm15	2994211	2994226	Gmdrm	hyper	CG	0.805
Gm15	3183182	3183356	Gmdrm	hyper	CG	0.0462
Gm15	3397935	3397980	Gmdrm	hyper	CG	0.6884
Gm15	3470423	3470487	Gmdrm	hyper	CG	0.615
Gm15	3497808	3498010	Gmdrm	hyper	CG	0.0417
Gm15	3660341	3660368	Gmdrm	hyper	CG	0.975
Gm15	3698830	3698876	Gmdrm	hyper	CG	0.762
Gm15	3870050	3870175	Gmdrm	hyper	CG	0.05
Gm15	4222873	4222964	Gmdrm	hyper	CG	0.4317
Gm15	4226217	4226261	Gmdrm	hyper	CG	0.032
Gm15	4278406	4278543	Gmdrm	hyper	CG	0.1057
Gm15	4578499	4578648	Gmdrm	hyper	CG	0.2443
Gm15	4636880	4636907	Gmdrm	hyper	CG	0.678
Gm15	4836267	4836503	Gmdrm	hyper	CG	0.04
Gm15	4840700	4840857	Gmdrm	hyper	CG	0.034
Gm15	4883374	4883512	Gmdrm	hyper	CG	0.052
Gm15	4945813	4945854	Gmdrm	hyper	CG	0.684
Gm15	5063916	5063946	Gmdrm	hyper	CG	0.328
Gm15	5084410	5084645	Gmdrm	hyper	CG	0.0722
Gm15	5275412	5275588	Gmdrm	hyper	CG	0.6483
Gm15	5312334	5312888	Gmdrm	hyper	CG	0.0353
Gm15	5450669	5450843	Gmdrm	hyper	CG	0.075
Gm15	5486495	5486556	Gmdrm	hyper	CG	0.287
Gm15	5536216	5536252	Gmdrm	hyper	CG	0.19
Gm15	5604832	5604850	Gmdrm	hyper	CG	0.34
Gm15	5647542	5647602	Gmdrm	hyper	CG	0.964
Gm15	5682274	5682342	Gmdrm	hyper	CG	0.6311

Gm15	5683397	5683648	Gmdrm	hyper	CG	0.4533
Gm15	5724956	5725192	Gmdrm	hyper	CG	0.0642
Gm15	5773580	5773657	Gmdrm	hyper	CG	0.796
Gm15	5882012	5882119	Gmdrm	hyper	CG	0.594
Gm15	6039459	6039655	Gmdrm	hyper	CG	0.7417
Gm15	6517422	6517567	Gmdrm	hyper	CG	0.0317
Gm15	6566873	6567055	Gmdrm	hyper	CG	0.0371
Gm15	6942566	6942666	Gmdrm	hyper	CG	0.75
Gm15	7225580	7225664	Gmdrm	hyper	CG	0.0555
Gm15	7230059	7230280	Gmdrm	hyper	CG	0.0386
Gm15	7486508	7486675	Gmdrm	hyper	CG	0.036
Gm15	7504849	7504952	Gmdrm	hyper	CG	0.05
Gm15	7510859	7511084	Gmdrm	hyper	CG	0.312
Gm15	7557719	7557974	Gmdrm	hyper	CG	0.038
Gm15	7572442	7572551	Gmdrm	hyper	CG	0.515
Gm15	7601139	7601525	Gmdrm	hyper	CG	0.0295
Gm15	7615536	7615598	Gmdrm	hyper	CG	0.195
Gm15	7944126	7944146	Gmdrm	hyper	CG	0.765
Gm15	8030191	8030261	Gmdrm	hyper	CG	0.72
Gm15	8179646	8179851	Gmdrm	hyper	CG	0.0775
Gm15	8411385	8411598	Gmdrm	hyper	CG	0.3155
Gm15	8517360	8517417	Gmdrm	hyper	CG	0.03
Gm15	8534304	8534639	Gmdrm	hyper	CG	0.05
Gm15	8881644	8881684	Gmdrm	hyper	CG	0.346
Gm15	9184572	9184633	Gmdrm	hyper	CG	0.055
Gm15	9193785	9193931	Gmdrm	hyper	CG	0.6114
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Gm15	9581990	9582059	Gmdrm	hyper	CG	0.3557
Gm15	9606789	9606841	Gmdrm	hyper	CG	0.784
Gm15	9791688	9791722	Gmdrm	hyper	CG	0.8057
Gm15	10046239	10046382	Gmdrm	hyper	CG	0.2025
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Gm15	10173864	10173931	Gmdrm	hyper	CG	0.056
Gm15	10245914	10246031	Gmdrm	hyper	CG	0.0467
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Gm15	10585975	10586027	Gmdrm	hyper	CG	0.975
Gm15	10594793	10594868	Gmdrm	hyper	CG	0.7433
Gm15	10637990	10638029	Gmdrm	hyper	CG	0.755
Gm15	10639637	10639795	Gmdrm	hyper	CG	0.4973
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Gm15	10840224	10840405	Gmdrm	hyper	CG	0.965
Gm15	10986430	10986607	Gmdrm	hyper	CG	0.6383
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Gm15	11217707	11217957	Gmdrm	hyper	CG	0.3571

Gm15	11469042	11469225	Gmdrm	hyper	CG	0.5525
Gm15	11766216	11766289	Gmdrm	hyper	CG	0.056
Gm15	11821616	11821821	Gmdrm	hyper	CG	0.0388
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Gm15	13456474	13456860	Gmdrm	hyper	CG	0.1706
Gm15	13511102	13511348	Gmdrm	hyper	CG	0.0458
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Gm15	13616769	13616781	Gmdrm	hyper	CG	0.46
Gm15	13764352	13764439	Gmdrm	hyper	CG	0.036
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Gm15	14087113	14087129	Gmdrm	hyper	CG	0.0813
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Gm15	15101942	15101967	Gmdrm	hyper	CG	0.1863
Gm15	15130660	15130711	Gmdrm	hyper	CG	0.6634
Gm15	15260728	15260849	Gmdrm	hyper	CG	0.6622
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Gm15	15862041	15862148	Gmdrm	hyper	CG	0.0967

Gm15	15891126	15891163	Gmdrm	hyper	CG	0.6734
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Gm15	16009968	16010382	Gmdrm	hyper	CG	0.0308
Gm15	16121702	16122051	Gmdrm	hyper	CG	0.0245
Gm15	16216452	16216614	Gmdrm	hyper	CG	0.035
Gm15	16372016	16372176	Gmdrm	hyper	CG	0.1275
Gm15	16407292	16407603	Gmdrm	hyper	CG	0.0522
Gm15	16559972	16560275	Gmdrm	hyper	CG	0.0418
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Gm15	16573316	16573532	Gmdrm	hyper	CG	0.0296
Gm15	16624305	16624697	Gmdrm	hyper	CG	0.082
Gm15	16635152	16635242	Gmdrm	hyper	CG	0.051
Gm15	16785684	16785798	Gmdrm	hyper	CG	0.0537
Gm15	16797440	16797743	Gmdrm	hyper	CG	0.58
Gm15	16860145	16860177	Gmdrm	hyper	CG	0.78
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Gm15	17250995	17251118	Gmdrm	hyper	CG	0.716
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Gm15	17353300	17353499	Gmdrm	hyper	CG	0.033
Gm15	17364164	17364509	Gmdrm	hyper	CG	0.066
Gm15	17394898	17395141	Gmdrm	hyper	CG	0.0889
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Gm15	17768045	17768585	Gmdrm	hyper	CG	0.0528
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Gm15	17861457	17861502	Gmdrm	hyper	CG	0.0583
Gm15	17986582	17987001	Gmdrm	hyper	CG	0.0777
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Gm15	18070505	18070712	Gmdrm	hyper	CG	0.0275
Gm15	18796440	18796565	Gmdrm	hyper	CG	0.047
Gm15	18819934	18820015	Gmdrm	hyper	CG	0.0633
Gm15	18930896	18931040	Gmdrm	hyper	CG	0.1887
Gm15	19498395	19498487	Gmdrm	hyper	CG	0.6243
Gm15	19628493	19628631	Gmdrm	hyper	CG	0.1117
Gm15	19649283	19649740	Gmdrm	hyper	CG	0.1097
Gm15	19650123	19650315	Gmdrm	hyper	CG	0.0984
Gm15	20484353	20484644	Gmdrm	hyper	CG	0.0383
Gm15	20691082	20691103	Gmdrm	hyper	CG	0.0813
Gm15	20739584	20739633	Gmdrm	hyper	CG	0.168
Gm15	21217635	21217662	Gmdrm	hyper	CG	0.7783
Gm15	21224178	21224280	Gmdrm	hyper	CG	0.456
Gm15	21343797	21344084	Gmdrm	hyper	CG	0.0436

Gm15	21403345	21404056	Gmdrm	hyper	CG	0.037
Gm15	21538269	21538321	Gmdrm	hyper	CG	0.053
Gm15	21557835	21557984	Gmdrm	hyper	CG	0.675
Gm15	21558288	21558351	Gmdrm	hyper	CG	0.02
Gm15	21566677	21566789	Gmdrm	hyper	CG	0.1017
Gm15	21592786	21592865	Gmdrm	hyper	CG	0.051
Gm15	21594382	21594446	Gmdrm	hyper	CG	0.056
Gm15	21707542	21707598	Gmdrm	hyper	CG	0.0358
Gm15	21728412	21728516	Gmdrm	hyper	CG	0.5317
Gm15	21736896	21736979	Gmdrm	hyper	CG	0.622
Gm15	21752773	21752979	Gmdrm	hyper	CG	0.0713
Gm15	21765013	21765084	Gmdrm	hyper	CG	0.0825
Gm15	21823653	21823951	Gmdrm	hyper	CG	0.0417
Gm15	21988302	21988350	Gmdrm	hyper	CG	0.065
Gm15	22051642	22051871	Gmdrm	hyper	CG	0.0382
Gm15	22076838	22077300	Gmdrm	hyper	CG	0.0215
Gm15	22161755	22162359	Gmdrm	hyper	CG	0.0326
Gm15	22186395	22186753	Gmdrm	hyper	CG	0.0306
Gm15	22231533	22231571	Gmdrm	hyper	CG	0.0625
Gm15	22328703	22328781	Gmdrm	hyper	CG	0.0817
Gm15	22544418	22544603	Gmdrm	hyper	CG	0.0624
Gm15	22639239	22639582	Gmdrm	hyper	CG	0.0472
Gm15	22822969	22823196	Gmdrm	hyper	CG	0.05
Gm15	23035526	23035676	Gmdrm	hyper	CG	0.2783
Gm15	23036124	23036170	Gmdrm	hyper	CG	0.5734
Gm15	23037917	23037956	Gmdrm	hyper	CG	0.4984
Gm15	23077790	23078371	Gmdrm	hyper	CG	0.0417
Gm15	23177672	23177889	Gmdrm	hyper	CG	0.0621
Gm15	23622031	23622335	Gmdrm	hyper	CG	0.3171
Gm15	23692605	23692939	Gmdrm	hyper	CG	0.0391
Gm15	23710474	23710678	Gmdrm	hyper	CG	0.1017
Gm15	23717675	23717837	Gmdrm	hyper	CG	0.1434
Gm15	23771481	23772359	Gmdrm	hyper	CG	0.034
Gm15	23874119	23874223	Gmdrm	hyper	CG	0.04
Gm15	23917424	23917642	Gmdrm	hyper	CG	0.0886
Gm15	24089893	24089995	Gmdrm	hyper	CG	0.0743
Gm15	24216606	24217385	Gmdrm	hyper	CG	0.0573
Gm15	24233770	24233944	Gmdrm	hyper	CG	0.1088
Gm15	24240667	24240848	Gmdrm	hyper	CG	0.738
Gm15	24413775	24413858	Gmdrm	hyper	CG	0.044
Gm15	24497810	24498276	Gmdrm	hyper	CG	0.0434
Gm15	24516510	24516875	Gmdrm	hyper	CG	0.0815
Gm15	24535904	24536009	Gmdrm	hyper	CG	0.035
Gm15	24570812	24571066	Gmdrm	hyper	CG	0.0339
Gm15	24732382	24732574	Gmdrm	hyper	CG	0.127
Gm15	24891286	24891297	Gmdrm	hyper	CG	0.0517

Gm15	24981498	24981740	Gmdrm	hyper	CG	0.0428
Gm15	25121427	25121496	Gmdrm	hyper	CG	0.1212
Gm15	25156513	25156549	Gmdrm	hyper	CG	0.0663
Gm15	25425092	25425298	Gmdrm	hyper	CG	0.1008
Gm15	25554181	25554223	Gmdrm	hyper	CG	0.084
Gm15	25583385	25583469	Gmdrm	hyper	CG	0.066
Gm15	25697579	25698029	Gmdrm	hyper	CG	0.0354
Gm15	25703759	25704229	Gmdrm	hyper	CG	0.057
Gm15	25719782	25720122	Gmdrm	hyper	CG	0.0614
Gm15	25731036	25731211	Gmdrm	hyper	CG	0.0486
Gm15	25800338	25800401	Gmdrm	hyper	CG	0.0884
Gm15	25804403	25805231	Gmdrm	hyper	CG	0.0476
Gm15	26154649	26154789	Gmdrm	hyper	CG	0.7338
Gm15	26200393	26201383	Gmdrm	hyper	CG	0.0326
Gm15	26347011	26347051	Gmdrm	hyper	CG	0.06
Gm15	26365804	26365846	Gmdrm	hyper	CG	0.11
Gm15	27100199	27100314	Gmdrm	hyper	CG	0.066
Gm15	27158656	27158845	Gmdrm	hyper	CG	0.0427
Gm15	27163119	27163847	Gmdrm	hyper	CG	0.0593
Gm15	27190833	27190962	Gmdrm	hyper	CG	0.105
Gm15	27234142	27234199	Gmdrm	hyper	CG	0.055
Gm15	27358748	27358824	Gmdrm	hyper	CG	0.07
Gm15	27373444	27373553	Gmdrm	hyper	CG	0.6163
Gm15	27405947	27406083	Gmdrm	hyper	CG	0.045
Gm15	27437231	27437403	Gmdrm	hyper	CG	0.046
Gm15	27518817	27519396	Gmdrm	hyper	CG	0.0437
Gm15	27563198	27563441	Gmdrm	hyper	CG	0.0777
Gm15	27799070	27799189	Gmdrm	hyper	CG	0.0643
Gm15	27812740	27812861	Gmdrm	hyper	CG	0.05
Gm15	27839500	27840433	Gmdrm	hyper	CG	0.0304
Gm15	27891631	27892629	Gmdrm	hyper	CG	0.0438
Gm15	27907809	27908501	Gmdrm	hyper	CG	0.0269
Gm15	28048488	28049472	Gmdrm	hyper	CG	0.0238
Gm15	28058532	28058784	Gmdrm	hyper	CG	0.0446
Gm15	28201750	28201858	Gmdrm	hyper	CG	0.0572
Gm15	28223380	28223778	Gmdrm	hyper	CG	0.0414
Gm15	28226802	28226858	Gmdrm	hyper	CG	0.0543
Gm15	28263804	28263844	Gmdrm	hyper	CG	0.052
Gm15	28315416	28315665	Gmdrm	hyper	CG	0.0646
Gm15	28373649	28373895	Gmdrm	hyper	CG	0.0342
Gm15	28645308	28645418	Gmdrm	hyper	CG	0.075
Gm15	28759105	28759672	Gmdrm	hyper	CG	0.0343
Gm15	28844784	28844874	Gmdrm	hyper	CG	0.0483
Gm15	28945062	28945255	Gmdrm	hyper	CG	0.0843
Gm15	29001306	29001453	Gmdrm	hyper	CG	0.0488
Gm15	29012226	29012286	Gmdrm	hyper	CG	0.0843

Gm15	29270374	29270575	Gmdrm	hyper	CG	0.0342
Gm15	29388030	29388683	Gmdrm	hyper	CG	0.0577
Gm15	29490333	29491243	Gmdrm	hyper	CG	0.0307
Gm15	29569903	29570654	Gmdrm	hyper	CG	0.0544
Gm15	30014705	30015011	Gmdrm	hyper	CG	0.092
Gm15	30015444	30016444	Gmdrm	hyper	CG	0.0403
Gm15	30206268	30206377	Gmdrm	hyper	CG	0.11
Gm15	30289656	30289746	Gmdrm	hyper	CG	0.7233
Gm15	30479204	30479800	Gmdrm	hyper	CG	0.0577
Gm15	30728788	30729135	Gmdrm	hyper	CG	0.0321
Gm15	30956063	30956123	Gmdrm	hyper	CG	0.06
Gm15	30995188	30995275	Gmdrm	hyper	CG	0.0688
Gm15	30995394	30995490	Gmdrm	hyper	CG	0.1383
Gm15	31248782	31249004	Gmdrm	hyper	CG	0.0444
Gm15	31299076	31299145	Gmdrm	hyper	CG	0.205
Gm15	31341748	31341983	Gmdrm	hyper	CG	0.075
Gm15	31372130	31372211	Gmdrm	hyper	CG	0.148
Gm15	31398869	31399126	Gmdrm	hyper	CG	0.0481
Gm15	31505182	31505547	Gmdrm	hyper	CG	0.045
Gm15	31547968	31548313	Gmdrm	hyper	CG	0.0569
Gm15	31620729	31620780	Gmdrm	hyper	CG	0.0484
Gm15	31699076	31699373	Gmdrm	hyper	CG	0.586
Gm15	31771869	31772162	Gmdrm	hyper	CG	0.0857
Gm15	32034713	32035516	Gmdrm	hyper	CG	0.0492
Gm15	32148904	32149084	Gmdrm	hyper	CG	0.08
Gm15	32154954	32155769	Gmdrm	hyper	CG	0.0343
Gm15	32501075	32501277	Gmdrm	hyper	CG	0.0366
Gm15	32515147	32515187	Gmdrm	hyper	CG	0.0357
Gm15	32925764	32925866	Gmdrm	hyper	CG	0.175
Gm15	33084364	33084572	Gmdrm	hyper	CG	0.051
Gm15	33134996	33135011	Gmdrm	hyper	CG	0.758
Gm15	33156977	33157035	Gmdrm	hyper	CG	0.634
Gm15	33225772	33226215	Gmdrm	hyper	CG	0.045
Gm15	33304486	33304575	Gmdrm	hyper	CG	0.1086
Gm15	33384796	33385301	Gmdrm	hyper	CG	0.0227
Gm15	33412564	33412823	Gmdrm	hyper	CG	0.0428
Gm15	33453123	33453657	Gmdrm	hyper	CG	0.0471
Gm15	33529244	33529546	Gmdrm	hyper	CG	0.043
Gm15	33746684	33746952	Gmdrm	hyper	CG	0.0256
Gm15	33790304	33790532	Gmdrm	hyper	CG	0.0156
Gm15	33951091	33951684	Gmdrm	hyper	CG	0.0618
Gm15	34051466	34051876	Gmdrm	hyper	CG	0.0605
Gm15	34112384	34112688	Gmdrm	hyper	CG	0.12
Gm15	34180907	34181472	Gmdrm	hyper	CG	0.0341
Gm15	34248927	34249037	Gmdrm	hyper	CG	0.048
Gm15	34273091	34273462	Gmdrm	hyper	CG	0.0706

Gm15	34336847	34337010	Gmdrm	hyper	CG	0.08
Gm15	34359012	34359611	Gmdrm	hyper	CG	0.0374
Gm15	34390039	34390204	Gmdrm	hyper	CG	0.731
Gm15	34428908	34429104	Gmdrm	hyper	CG	0.0361
Gm15	34496730	34496913	Gmdrm	hyper	CG	0.049
Gm15	34618218	34618236	Gmdrm	hyper	CG	0.9517
Gm15	34704183	34704457	Gmdrm	hyper	CG	0.0515
Gm15	34847772	34848553	Gmdrm	hyper	CG	0.0368
Gm15	35111057	35111150	Gmdrm	hyper	CG	0.0633
Gm15	35126284	35126359	Gmdrm	hyper	CG	0.0375
Gm15	35205074	35205159	Gmdrm	hyper	CG	0.8783
Gm15	35226911	35227305	Gmdrm	hyper	CG	0.0344
Gm15	35228515	35228597	Gmdrm	hyper	CG	0.0793
Gm15	35423524	35423704	Gmdrm	hyper	CG	0.0564
Gm15	35443581	35443715	Gmdrm	hyper	CG	0.1029
Gm15	35485980	35486156	Gmdrm	hyper	CG	0.0622
Gm15	35488704	35488994	Gmdrm	hyper	CG	0.075
Gm15	35531423	35531456	Gmdrm	hyper	CG	0.045
Gm15	35542856	35542939	Gmdrm	hyper	CG	0.054
Gm15	35777611	35777937	Gmdrm	hyper	CG	0.0337
Gm15	35819802	35819999	Gmdrm	hyper	CG	0.05
Gm15	35821205	35821280	Gmdrm	hyper	CG	0.045
Gm15	35885691	35885903	Gmdrm	hyper	CG	0.0487
Gm15	35893890	35894844	Gmdrm	hyper	CG	0.0226
Gm15	36004026	36005012	Gmdrm	hyper	CG	0.0441
Gm15	36176351	36176453	Gmdrm	hyper	CG	0.142
Gm15	36357574	36358387	Gmdrm	hyper	CG	0.0306
Gm15	36401863	36402377	Gmdrm	hyper	CG	0.0198
Gm15	36525908	36526054	Gmdrm	hyper	CG	0.057
Gm15	36766573	36766672	Gmdrm	hyper	CG	0.045
Gm15	36824798	36824937	Gmdrm	hyper	CG	0.074
Gm15	37243986	37244238	Gmdrm	hyper	CG	0.0286
Gm15	37267773	37268321	Gmdrm	hyper	CG	0.0432
Gm15	37295578	37295643	Gmdrm	hyper	CG	0.0625
Gm15	37322166	37322700	Gmdrm	hyper	CG	0.4492
Gm15	37357930	37358054	Gmdrm	hyper	CG	0.0525
Gm15	37382212	37382573	Gmdrm	hyper	CG	0.0753
Gm15	37403402	37403463	Gmdrm	hyper	CG	0.154
Gm15	37447094	37447522	Gmdrm	hyper	CG	0.032
Gm15	37543607	37544423	Gmdrm	hyper	CG	0.0341
Gm15	37602449	37602915	Gmdrm	hyper	CG	0.0266
Gm15	37788478	37788665	Gmdrm	hyper	CG	0.066
Gm15	37809490	37809658	Gmdrm	hyper	CG	0.0822
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Gm15	38055705	38055740	Gmdrm	hyper	CG	0.0513
Gm15	38306050	38306285	Gmdrm	hyper	CG	0.035

Gm15	38346823	38347230	Gmdrm	hyper	CG	0.0319
Gm15	38531961	38532160	Gmdrm	hyper	CG	0.0253
Gm15	38835228	38835449	Gmdrm	hyper	CG	0.0763
Gm15	38933340	38933925	Gmdrm	hyper	CG	0.0322
Gm15	39313461	39313560	Gmdrm	hyper	CG	0.092
Gm15	39342115	39342201	Gmdrm	hyper	CG	0.0375
Gm15	39615857	39616839	Gmdrm	hyper	CG	0.0235
Gm15	39705558	39705790	Gmdrm	hyper	CG	0.0541
Gm15	39711417	39711530	Gmdrm	hyper	CG	0.0536
Gm15	39780845	39781246	Gmdrm	hyper	CG	0.0373
Gm15	39808670	39809643	Gmdrm	hyper	CG	0.0193
Gm15	39848622	39848714	Gmdrm	hyper	CG	0.1617
Gm15	39892944	39893101	Gmdrm	hyper	CG	0.087
Gm15	39943790	39944310	Gmdrm	hyper	CG	0.0229
Gm15	40010639	40011489	Gmdrm	hyper	CG	0.0264
Gm15	40141324	40141599	Gmdrm	hyper	CG	0.0477
Gm15	40227927	40227959	Gmdrm	hyper	CG	0.15
Gm15	40276646	40277133	Gmdrm	hyper	CG	0.0291
Gm15	40282090	40282507	Gmdrm	hyper	CG	0.069
Gm15	40502580	40502779	Gmdrm	hyper	CG	0.0367
Gm15	40863066	40863399	Gmdrm	hyper	CG	0.6325
Gm15	40923434	40923693	Gmdrm	hyper	CG	0.0433
Gm15	40934999	40935166	Gmdrm	hyper	CG	0.3547
Gm15	40961773	40961964	Gmdrm	hyper	CG	0.1367
Gm15	40995301	40995524	Gmdrm	hyper	CG	0.0317
Gm15	41129707	41129991	Gmdrm	hyper	CG	0.4966
Gm15	41252360	41252599	Gmdrm	hyper	CG	0.04
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Gm15	41277319	41277544	Gmdrm	hyper	CG	0.625
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Gm15	42023930	42024139	Gmdrm	hyper	CG	0.0889
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Gm15	42278295	42278712	Gmdrm	hyper	CG	0.0667
Gm15	42290544	42290576	Gmdrm	hyper	CG	0.895
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Gm15	42347322	42347500	Gmdrm	hyper	CG	0.068
Gm15	42579795	42579864	Gmdrm	hyper	CG	0.052
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Gm15	42893515	42893748	Gmdrm	hyper	CG	0.073
Gm15	42910454	42911066	Gmdrm	hyper	CG	0.0242
Gm15	42989782	42990169	Gmdrm	hyper	CG	0.049
Gm15	43002878	43002951	Gmdrm	hyper	CG	0.204

Gm15	43164250	43164349	Gmdrm	hyper	CG	0.0857
Gm15	43215692	43215737	Gmdrm	hyper	CG	0.0356
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Gm15	43327156	43327197	Gmdrm	hyper	CG	0.436
Gm15	43450678	43451666	Gmdrm	hyper	CG	0.1964
Gm15	43614668	43614954	Gmdrm	hyper	CG	0.0435
Gm15	43661649	43661700	Gmdrm	hyper	CG	0.135
Gm15	43687311	43687351	Gmdrm	hyper	CG	0.0625
Gm15	43948499	43948525	Gmdrm	hyper	CG	0.0416
Gm15	44162367	44162432	Gmdrm	hyper	CG	0.102
Gm15	44195494	44195828	Gmdrm	hyper	CG	0.0759
Gm15	44201557	44201627	Gmdrm	hyper	CG	0.69
Gm15	44325781	44325940	Gmdrm	hyper	CG	0.036
Gm15	44626961	44627257	Gmdrm	hyper	CG	0.027
Gm15	44649486	44649739	Gmdrm	hyper	CG	0.0457
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Gm15	45433431	45433557	Gmdrm	hyper	CG	0.05
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Gm15	47520597	47520726	Gmdrm	hyper	CG	0.608
Gm15	47624866	47625019	Gmdrm	hyper	CG	0.0689
Gm15	47639390	47639496	Gmdrm	hyper	CG	0.054
Gm15	47649545	47649690	Gmdrm	hyper	CG	0.055
Gm15	47696638	47696789	Gmdrm	hyper	CG	0.4838
Gm15	48030281	48030332	Gmdrm	hyper	CG	0.126
Gm15	48129336	48129426	Gmdrm	hyper	CG	0.0684
Gm15	48149170	48149197	Gmdrm	hyper	CG	0.1113
Gm15	48235409	48235471	Gmdrm	hyper	CG	0.0471
Gm15	48303779	48304152	Gmdrm	hyper	CG	0.0648
Gm15	48351652	48352478	Gmdrm	hyper	CG	0.0342
Gm15	48492069	48492394	Gmdrm	hyper	CG	0.0333
Gm15	48550511	48550546	Gmdrm	hyper	CG	0.052
Gm15	48560797	48560884	Gmdrm	hyper	CG	0.0415
Gm15	48605867	48605885	Gmdrm	hyper	CG	0.2033
Gm15	48713751	48714029	Gmdrm	hyper	CG	0.3209
Gm15	48714648	48714793	Gmdrm	hyper	CG	0.0559
Gm15	48779425	48779846	Gmdrm	hyper	CG	0.0303
Gm15	49026996	49027167	Gmdrm	hyper	CG	0.0857
Gm15	49034014	49034178	Gmdrm	hyper	CG	0.0363
Gm15	49467111	49467182	Gmdrm	hyper	CG	0.4116
Gm15	49475851	49475919	Gmdrm	hyper	CG	0.758
Gm15	49565686	49565952	Gmdrm	hyper	CG	0.1178
Gm15	49964591	49964723	Gmdrm	hyper	CG	0.0488
Gm15	50079103	50079141	Gmdrm	hyper	CG	0.04
Gm15	50081832	50081950	Gmdrm	hyper	CG	0.0533

Gm15	50087326	50088061	Gmdrm	hyper	CG	0.2189
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Gm15	50120001	50120138	Gmdrm	hyper	CG	0.72
Gm15	50249628	50249739	Gmdrm	hyper	CG	0.045
Gm15	50275277	50275410	Gmdrm	hyper	CG	0.03
Gm15	50320905	50321007	Gmdrm	hyper	CG	0.097
Gm15	50355401	50355472	Gmdrm	hyper	CG	0.0685
Gm15	50474351	50474479	Gmdrm	hyper	CG	0.3962
Gm15	50616289	50616764	Gmdrm	hyper	CG	0.1672
Gm15	50700973	50701603	Gmdrm	hyper	CG	0.1347
Gm15	50839182	50839328	Gmdrm	hyper	CG	0.048
Gm15	50848365	50848943	Gmdrm	hyper	CG	0.0283
Gm15	50917517	50917632	Gmdrm	hyper	CG	0.0783
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Gm15	51103271	51103308	Gmdrm	hyper	CG	0.8471
Gm15	51209100	51209153	Gmdrm	hyper	CG	0.795
Gm15	51219130	51219349	Gmdrm	hyper	CG	0.0571
Gm15	51260173	51260228	Gmdrm	hyper	CG	0.0716
Gm15	51286254	51286490	Gmdrm	hyper	CG	0.2688
Gm15	51462075	51462118	Gmdrm	hyper	CG	0.06
Gm15	51570500	51570546	Gmdrm	hyper	CG	0.063
Gm15	51597422	51597627	Gmdrm	hyper	CG	0.0528
Gm15	51877831	51878163	Gmdrm	hyper	CG	0.04
Gm15	52138564	52139165	Gmdrm	hyper	CG	0.0313
Gm15	52174861	52175063	Gmdrm	hyper	CG	0.518
Gm15	52180876	52181027	Gmdrm	hyper	CG	0.9266
Gm15	52224359	52224532	Gmdrm	hyper	CG	0.3128
Gm15	52295413	52295425	Gmdrm	hyper	CG	0.8767
Gm15	52417327	52417548	Gmdrm	hyper	CG	0.3229
Gm15	52494133	52494209	Gmdrm	hyper	CG	0.756
Gm15	52625673	52625796	Gmdrm	hyper	CG	0.685
Gm15	52625969	52626034	Gmdrm	hyper	CG	0.9446
Gm15	52719526	52719640	Gmdrm	hyper	CG	0.7329
Gm15	52731774	52731980	Gmdrm	hyper	CG	0.0383
Gm15	52818375	52818441	Gmdrm	hyper	CG	0.7433
Gm15	52835917	52835970	Gmdrm	hyper	CG	0.3725
Gm15	52973783	52973867	Gmdrm	hyper	CG	0.0413
Gm15	53048988	53049028	Gmdrm	hyper	CG	0.0417
Gm15	53098468	53098517	Gmdrm	hyper	CG	0.97
Gm15	53135852	53135983	Gmdrm	hyper	CG	0.694
Gm15	53294136	53294256	Gmdrm	hyper	CG	0.0433
Gm15	53337584	53337712	Gmdrm	hyper	CG	0.7089
Gm15	53403426	53403502	Gmdrm	hyper	CG	0.9684
Gm15	53466524	53466707	Gmdrm	hyper	CG	0.0211
Gm15	53486556	53486772	Gmdrm	hyper	CG	0.0333
Gm15	53510496	53510610	Gmdrm	hyper	CG	0.1067

Gm15	53517042	53517137	Gmdrm	hyper	CG	0.3563
Gm15	53602408	53602499	Gmdrm	hyper	CG	0.78
Gm16	580848	580956	Gmdrm	hyper	CG	0.042
Gm16	774131	774186	Gmdrm	hyper	CG	0.066
Gm16	806916	807036	Gmdrm	hyper	CG	0.0971
Gm16	853963	854163	Gmdrm	hyper	CG	0.042
Gm16	902921	902972	Gmdrm	hyper	CG	0.0587
Gm16	917727	917832	Gmdrm	hyper	CG	0.052
Gm16	1204483	1204497	Gmdrm	hyper	CG	0.1017
Gm16	1230408	1230522	Gmdrm	hyper	CG	0.247
Gm16	1336750	1336939	Gmdrm	hyper	CG	0.06
Gm16	1436341	1436401	Gmdrm	hyper	CG	0.0686
Gm16	1443708	1443868	Gmdrm	hyper	CG	0.5733
Gm16	1547361	1547482	Gmdrm	hyper	CG	0.0333
Gm16	1582071	1582274	Gmdrm	hyper	CG	0.0517
Gm16	1598431	1598607	Gmdrm	hyper	CG	0.482
Gm16	2200603	2201061	Gmdrm	hyper	CG	0.5092
Gm16	2326200	2326314	Gmdrm	hyper	CG	0.1109
Gm16	2360717	2360841	Gmdrm	hyper	CG	0.149
Gm16	2516810	2516847	Gmdrm	hyper	CG	0.5589
Gm16	2698100	2698144	Gmdrm	hyper	CG	0.3875
Gm16	2717165	2717176	Gmdrm	hyper	CG	0.2475
Gm16	2887989	2888110	Gmdrm	hyper	CG	0.5743
Gm16	3385530	3385658	Gmdrm	hyper	CG	0.032
Gm16	3553707	3553850	Gmdrm	hyper	CG	0.158
Gm16	3704435	3704641	Gmdrm	hyper	CG	0.058
Gm16	3940315	3940484	Gmdrm	hyper	CG	0.565
Gm16	4209068	4209434	Gmdrm	hyper	CG	0.4855
Gm16	4243412	4243433	Gmdrm	hyper	CG	0.79
Gm16	4245672	4245858	Gmdrm	hyper	CG	0.026
Gm16	4451867	4451884	Gmdrm	hyper	CG	0.93
Gm16	4802905	4802934	Gmdrm	hyper	CG	0.5684
Gm16	4803687	4803981	Gmdrm	hyper	CG	0.6167
Gm16	4886811	4886941	Gmdrm	hyper	CG	0.036
Gm16	4904944	4905010	Gmdrm	hyper	CG	0.6233
Gm16	4976052	4976074	Gmdrm	hyper	CG	0.24
Gm16	5159702	5159805	Gmdrm	hyper	CG	0.0629
Gm16	5213152	5213214	Gmdrm	hyper	CG	0.76
Gm16	5489533	5489840	Gmdrm	hyper	CG	0.051
Gm16	5527841	5527972	Gmdrm	hyper	CG	0.1201
Gm16	5560165	5560302	Gmdrm	hyper	CG	0.044
Gm16	5887242	5887280	Gmdrm	hyper	CG	0.175
Gm16	5995433	5995663	Gmdrm	hyper	CG	0.04
Gm16	6008522	6008846	Gmdrm	hyper	CG	0.0762
Gm16	6168309	6168422	Gmdrm	hyper	CG	0.788
Gm16	6228131	6228201	Gmdrm	hyper	CG	0.0283

Gm16	6723958	6724010	Gmdrm	hyper	CG	0.0863
Gm16	6760403	6760534	Gmdrm	hyper	CG	0.625
Gm16	6780977	6781119	Gmdrm	hyper	CG	0.036
Gm16	6816028	6816169	Gmdrm	hyper	CG	0.9767
Gm16	6920654	6920832	Gmdrm	hyper	CG	0.0527
Gm16	7045748	7045894	Gmdrm	hyper	CG	0.102
Gm16	7163753	7163938	Gmdrm	hyper	CG	0.1066
Gm16	7183150	7183248	Gmdrm	hyper	CG	0.105
Gm16	7706978	7707295	Gmdrm	hyper	CG	0.034
Gm16	7859425	7859619	Gmdrm	hyper	CG	0.4747
Gm16	8076222	8076552	Gmdrm	hyper	CG	0.044
Gm16	8087245	8087265	Gmdrm	hyper	CG	0.0733
Gm16	8197927	8197958	Gmdrm	hyper	CG	0.0517
Gm16	8262919	8262934	Gmdrm	hyper	CG	0.4667
Gm16	8337478	8337510	Gmdrm	hyper	CG	0.0944
Gm16	8488042	8488619	Gmdrm	hyper	CG	0.0404
Gm16	8661973	8662143	Gmdrm	hyper	CG	0.05
Gm16	8688380	8688533	Gmdrm	hyper	CG	0.0525
Gm16	8758256	8758329	Gmdrm	hyper	CG	0.6733
Gm16	8771589	8771768	Gmdrm	hyper	CG	0.0394
Gm16	9146065	9146084	Gmdrm	hyper	CG	0.0516
Gm16	9244997	9245566	Gmdrm	hyper	CG	0.0323
Gm16	9264776	9265128	Gmdrm	hyper	CG	0.0379
Gm16	9362289	9362519	Gmdrm	hyper	CG	0.07
Gm16	9450547	9450719	Gmdrm	hyper	CG	0.0537
Gm16	9677148	9677481	Gmdrm	hyper	CG	0.0356
Gm16	9750758	9750945	Gmdrm	hyper	CG	0.503
Gm16	9842664	9843033	Gmdrm	hyper	CG	0.042
Gm16	9894492	9894537	Gmdrm	hyper	CG	0.6067
Gm16	9953322	9953362	Gmdrm	hyper	CG	0.0475
Gm16	10246576	10246937	Gmdrm	hyper	CG	0.0308
Gm16	10337417	10337617	Gmdrm	hyper	CG	0.0367
Gm16	10378939	10379379	Gmdrm	hyper	CG	0.0477
Gm16	10384958	10385364	Gmdrm	hyper	CG	0.0284
Gm16	10386758	10386820	Gmdrm	hyper	CG	0.0467
Gm16	10452129	10452459	Gmdrm	hyper	CG	0.0544
Gm16	10495415	10495591	Gmdrm	hyper	CG	0.0775
Gm16	10498814	10499030	Gmdrm	hyper	CG	0.0232
Gm16	10744657	10744724	Gmdrm	hyper	CG	0.04
Gm16	10805546	10805646	Gmdrm	hyper	CG	0.6913
Gm16	10805889	10805982	Gmdrm	hyper	CG	0.5917
Gm16	10902262	10902484	Gmdrm	hyper	CG	0.0617
Gm16	11173381	11173568	Gmdrm	hyper	CG	0.705
Gm16	11246333	11246370	Gmdrm	hyper	CG	0.06
Gm16	11350684	11350724	Gmdrm	hyper	CG	0.0425
Gm16	11537965	11538247	Gmdrm	hyper	CG	0.0674

Gm16	11777846	11777914	Gmdrm	hyper	CG	0.058
Gm16	11959735	11960319	Gmdrm	hyper	CG	0.0392
Gm16	11971988	11972290	Gmdrm	hyper	CG	0.0492
Gm16	12110711	12111033	Gmdrm	hyper	CG	0.0667
Gm16	12195108	12195350	Gmdrm	hyper	CG	0.0508
Gm16	12261936	12262099	Gmdrm	hyper	CG	0.098
Gm16	12351875	12352166	Gmdrm	hyper	CG	0.07
Gm16	12386636	12387015	Gmdrm	hyper	CG	0.0313
Gm16	12420065	12420131	Gmdrm	hyper	CG	0.1714
Gm16	12503384	12503518	Gmdrm	hyper	CG	0.075
Gm16	12562385	12562681	Gmdrm	hyper	CG	0.0447
Gm16	12717647	12718598	Gmdrm	hyper	CG	0.0323
Gm16	12743541	12743902	Gmdrm	hyper	CG	0.0846
Gm16	12838888	12839468	Gmdrm	hyper	CG	0.0632
Gm16	12996237	12997001	Gmdrm	hyper	CG	0.0423
Gm16	13302755	13302880	Gmdrm	hyper	CG	0.09
Gm16	13366596	13367093	Gmdrm	hyper	CG	0.0491
Gm16	13368076	13368187	Gmdrm	hyper	CG	0.0418
Gm16	13384358	13384513	Gmdrm	hyper	CG	0.0401
Gm16	13397914	13398240	Gmdrm	hyper	CG	0.0693
Gm16	13401867	13402028	Gmdrm	hyper	CG	0.0458
Gm16	13434348	13434829	Gmdrm	hyper	CG	0.0448
Gm16	13453939	13454243	Gmdrm	hyper	CG	0.0462
Gm16	13513665	13513833	Gmdrm	hyper	CG	0.095
Gm16	13515995	13516354	Gmdrm	hyper	CG	0.0485
Gm16	13588746	13588971	Gmdrm	hyper	CG	0.0873
Gm16	13603311	13603381	Gmdrm	hyper	CG	0.2333
Gm16	13721558	13721864	Gmdrm	hyper	CG	0.055
Gm16	13867461	13867579	Gmdrm	hyper	CG	0.0657
Gm16	14069096	14069256	Gmdrm	hyper	CG	0.0285
Gm16	14091871	14092128	Gmdrm	hyper	CG	0.0436
Gm16	14104605	14104669	Gmdrm	hyper	CG	0.2783
Gm16	14128184	14128334	Gmdrm	hyper	CG	0.03
Gm16	14153056	14153150	Gmdrm	hyper	CG	0.07
Gm16	14269994	14270252	Gmdrm	hyper	CG	0.0544
Gm16	14336728	14336844	Gmdrm	hyper	CG	0.063
Gm16	14348699	14349281	Gmdrm	hyper	CG	0.0366
Gm16	14403722	14403963	Gmdrm	hyper	CG	0.0589
Gm16	14632279	14632545	Gmdrm	hyper	CG	0.0435
Gm16	14707924	14708132	Gmdrm	hyper	CG	0.0586
Gm16	14847768	14847912	Gmdrm	hyper	CG	0.467
Gm16	15072673	15072804	Gmdrm	hyper	CG	0.895
Gm16	15172787	15173082	Gmdrm	hyper	CG	0.0334
Gm16	15267537	15267841	Gmdrm	hyper	CG	0.0295
Gm16	15274151	15274738	Gmdrm	hyper	CG	0.0271
Gm16	15279895	15279990	Gmdrm	hyper	CG	0.0737

Gm16	15403224	15403560	Gmdrm	hyper	CG	0.0708
Gm16	15436016	15436087	Gmdrm	hyper	CG	0.1275
Gm16	15609469	15609661	Gmdrm	hyper	CG	0.09
Gm16	15662784	15663093	Gmdrm	hyper	CG	0.0524
Gm16	15700072	15700872	Gmdrm	hyper	CG	0.0316
Gm16	15890423	15890460	Gmdrm	hyper	CG	0.746
Gm16	15911066	15911563	Gmdrm	hyper	CG	0.0496
Gm16	15949794	15949833	Gmdrm	hyper	CG	0.115
Gm16	16054426	16054601	Gmdrm	hyper	CG	0.065
Gm16	16054710	16054770	Gmdrm	hyper	CG	0.0971
Gm16	16075627	16075959	Gmdrm	hyper	CG	0.0667
Gm16	16097823	16098170	Gmdrm	hyper	CG	0.0341
Gm16	16265785	16266541	Gmdrm	hyper	CG	0.0398
Gm16	16268160	16268286	Gmdrm	hyper	CG	0.6534
Gm16	16340488	16341356	Gmdrm	hyper	CG	0.0266
Gm16	16556454	16556810	Gmdrm	hyper	CG	0.0343
Gm16	16578561	16579183	Gmdrm	hyper	CG	0.0519
Gm16	16987531	16987619	Gmdrm	hyper	CG	0.082
Gm16	17074932	17075102	Gmdrm	hyper	CG	0.0896
Gm16	17121062	17121836	Gmdrm	hyper	CG	0.0367
Gm16	17272608	17272974	Gmdrm	hyper	CG	0.0317
Gm16	17356232	17356599	Gmdrm	hyper	CG	0.0496
Gm16	17391300	17391546	Gmdrm	hyper	CG	0.0874
Gm16	17525315	17526314	Gmdrm	hyper	CG	0.0393
Gm16	17526618	17526865	Gmdrm	hyper	CG	0.0356
Gm16	17607634	17608619	Gmdrm	hyper	CG	0.016
Gm16	17650747	17651742	Gmdrm	hyper	CG	0.0209
Gm16	17688965	17689160	Gmdrm	hyper	CG	0.0726
Gm16	17826990	17827459	Gmdrm	hyper	CG	0.0276
Gm16	17896871	17897189	Gmdrm	hyper	CG	0.03
Gm16	17914909	17914985	Gmdrm	hyper	CG	0.69
Gm16	17942874	17943169	Gmdrm	hyper	CG	0.057
Gm16	17968308	17968447	Gmdrm	hyper	CG	0.058
Gm16	18114666	18114947	Gmdrm	hyper	CG	0.05
Gm16	18227516	18228323	Gmdrm	hyper	CG	0.0257
Gm16	18261342	18261583	Gmdrm	hyper	CG	0.0353
Gm16	18268833	18268901	Gmdrm	hyper	CG	0.072
Gm16	18336595	18337045	Gmdrm	hyper	CG	0.0412
Gm16	18407400	18408186	Gmdrm	hyper	CG	0.0348
Gm16	18414144	18414749	Gmdrm	hyper	CG	0.0272
Gm16	18450982	18451124	Gmdrm	hyper	CG	0.1442
Gm16	18550872	18550935	Gmdrm	hyper	CG	0.0483
Gm16	18718522	18718641	Gmdrm	hyper	CG	0.1583
Gm16	18762389	18763049	Gmdrm	hyper	CG	0.0351
Gm16	18806585	18806967	Gmdrm	hyper	CG	0.036
Gm16	18991095	18991193	Gmdrm	hyper	CG	0.06

Gm16	19390870	19390975	Gmdrm	hyper	CG	0.1614
Gm16	19543311	19544279	Gmdrm	hyper	CG	0.0355
Gm16	19642785	19643657	Gmdrm	hyper	CG	0.0421
Gm16	19658431	19658482	Gmdrm	hyper	CG	0.056
Gm16	19791991	19792207	Gmdrm	hyper	CG	0.0461
Gm16	19863766	19863868	Gmdrm	hyper	CG	0.9317
Gm16	19863969	19864326	Gmdrm	hyper	CG	0.1823
Gm16	19864691	19864850	Gmdrm	hyper	CG	0.0614
Gm16	19940381	19940552	Gmdrm	hyper	CG	0.0566
Gm16	20064787	20065133	Gmdrm	hyper	CG	0.056
Gm16	20081994	20082059	Gmdrm	hyper	CG	0.1837
Gm16	20090058	20090640	Gmdrm	hyper	CG	0.0481
Gm16	20125941	20125984	Gmdrm	hyper	CG	0.1567
Gm16	20139105	20139584	Gmdrm	hyper	CG	0.0454
Gm16	20150118	20150563	Gmdrm	hyper	CG	0.0302
Gm16	20162886	20163533	Gmdrm	hyper	CG	0.0451
Gm16	20343676	20343772	Gmdrm	hyper	CG	0.1384
Gm16	20352169	20352389	Gmdrm	hyper	CG	0.046
Gm16	20379096	20379218	Gmdrm	hyper	CG	0.0675
Gm16	20443974	20444279	Gmdrm	hyper	CG	0.0431
Gm16	20638097	20638210	Gmdrm	hyper	CG	0.12
Gm16	20646719	20647231	Gmdrm	hyper	CG	0.04
Gm16	20652704	20652747	Gmdrm	hyper	CG	0.115
Gm16	20709990	20710198	Gmdrm	hyper	CG	0.1257
Gm16	20716529	20716771	Gmdrm	hyper	CG	0.054
Gm16	20754987	20755554	Gmdrm	hyper	CG	0.06
Gm16	20811186	20811375	Gmdrm	hyper	CG	0.06
Gm16	20826044	20826175	Gmdrm	hyper	CG	0.0871
Gm16	20838947	20839116	Gmdrm	hyper	CG	0.0871
Gm16	20850300	20850781	Gmdrm	hyper	CG	0.0365
Gm16	20855686	20855774	Gmdrm	hyper	CG	0.0367
Gm16	20955558	20956232	Gmdrm	hyper	CG	0.0306
Gm16	21204220	21204304	Gmdrm	hyper	CG	0.91
Gm16	21392756	21393048	Gmdrm	hyper	CG	0.0371
Gm16	21465708	21465794	Gmdrm	hyper	CG	0.405
Gm16	21502251	21502275	Gmdrm	hyper	CG	0.085
Gm16	21573439	21573580	Gmdrm	hyper	CG	0.6117
Gm16	21577235	21577636	Gmdrm	hyper	CG	0.0306
Gm16	21677654	21678402	Gmdrm	hyper	CG	0.0191
Gm16	21702558	21702659	Gmdrm	hyper	CG	0.3583
Gm16	21963493	21964270	Gmdrm	hyper	CG	0.0245
Gm16	22103285	22103635	Gmdrm	hyper	CG	0.0328
Gm16	22108707	22108791	Gmdrm	hyper	CG	0.7211
Gm16	22125445	22125473	Gmdrm	hyper	CG	0.0488
Gm16	22237146	22237679	Gmdrm	hyper	CG	0.0343
Gm16	22308152	22308694	Gmdrm	hyper	CG	0.101

Gm16	22385965	22386311	Gmdrm	hyper	CG	0.0319
Gm16	22418237	22418497	Gmdrm	hyper	CG	0.0417
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Gm16	22574020	22574151	Gmdrm	hyper	CG	0.1128
Gm16	22578519	22578988	Gmdrm	hyper	CG	0.0305
Gm16	22661276	22662248	Gmdrm	hyper	CG	0.0234
Gm16	22737623	22737796	Gmdrm	hyper	CG	0.038
Gm16	22788178	22788353	Gmdrm	hyper	CG	0.0388
Gm16	22879584	22879764	Gmdrm	hyper	CG	0.034
Gm16	22943580	22944569	Gmdrm	hyper	CG	0.0435
Gm16	22993672	22993857	Gmdrm	hyper	CG	0.0427
Gm16	23031368	23031412	Gmdrm	hyper	CG	0.078
Gm16	23044423	23044516	Gmdrm	hyper	CG	0.061
Gm16	23175270	23175303	Gmdrm	hyper	CG	0.0451
Gm16	23525283	23525601	Gmdrm	hyper	CG	0.0471
Gm16	23788759	23789291	Gmdrm	hyper	CG	0.0393
Gm16	23840968	23841490	Gmdrm	hyper	CG	0.1304
Gm16	23869753	23869939	Gmdrm	hyper	CG	0.0678
Gm16	23967964	23968311	Gmdrm	hyper	CG	0.0431
Gm16	23971852	23971928	Gmdrm	hyper	CG	0.24
Gm16	23986196	23986481	Gmdrm	hyper	CG	0.0571
Gm16	24100617	24100750	Gmdrm	hyper	CG	0.1017
Gm16	24174897	24174991	Gmdrm	hyper	CG	0.0986
Gm16	24376357	24376388	Gmdrm	hyper	CG	0.044
Gm16	24525388	24525457	Gmdrm	hyper	CG	0.16
Gm16	24711885	24712768	Gmdrm	hyper	CG	0.0452
Gm16	24763823	24764538	Gmdrm	hyper	CG	0.0424
Gm16	24772431	24772486	Gmdrm	hyper	CG	0.0687
Gm16	24950687	24950751	Gmdrm	hyper	CG	0.095
Gm16	24969856	24970333	Gmdrm	hyper	CG	0.0465
Gm16	25006694	25006779	Gmdrm	hyper	CG	0.0522
Gm16	25020439	25020538	Gmdrm	hyper	CG	0.0737
Gm16	25363659	25363836	Gmdrm	hyper	CG	0.1345
Gm16	25408901	25409001	Gmdrm	hyper	CG	0.07
Gm16	25846073	25846145	Gmdrm	hyper	CG	0.0784
Gm16	25891705	25891875	Gmdrm	hyper	CG	0.6987
Gm16	25995885	25996039	Gmdrm	hyper	CG	0.594
Gm16	26036509	26036628	Gmdrm	hyper	CG	0.0586
Gm16	26049177	26049569	Gmdrm	hyper	CG	0.0348
Gm16	26276156	26277151	Gmdrm	hyper	CG	0.026
Gm16	26419089	26419189	Gmdrm	hyper	CG	0.035
Gm16	26423466	26423519	Gmdrm	hyper	CG	0.0295
Gm16	26524948	26525169	Gmdrm	hyper	CG	0.7913
Gm16	26688963	26689389	Gmdrm	hyper	CG	0.0614
Gm16	26968814	26968854	Gmdrm	hyper	CG	0.0583

Gm16	27036379	27036553	Gmdrm	hyper	CG	0.0517
Gm16	27057381	27057433	Gmdrm	hyper	CG	0.045
Gm16	27127339	27127510	Gmdrm	hyper	CG	0.8006
Gm16	27719554	27719658	Gmdrm	hyper	CG	0.4734
Gm16	27730177	27730534	Gmdrm	hyper	CG	0.063
Gm16	27871304	27871448	Gmdrm	hyper	CG	0.3646
Gm16	27874197	27874350	Gmdrm	hyper	CG	0.7386
Gm16	27883389	27883463	Gmdrm	hyper	CG	0.3766
Gm16	27960578	27960613	Gmdrm	hyper	CG	0.7367
Gm16	28005224	28005483	Gmdrm	hyper	CG	0.0466
Gm16	28020828	28021027	Gmdrm	hyper	CG	0.0489
Gm16	28032886	28032914	Gmdrm	hyper	CG	0.328
Gm16	28196203	28196306	Gmdrm	hyper	CG	0.0517
Gm16	28284944	28285474	Gmdrm	hyper	CG	0.0431
Gm16	28468074	28468178	Gmdrm	hyper	CG	0.8717
Gm16	28583181	28583254	Gmdrm	hyper	CG	0.185
Gm16	28588338	28589291	Gmdrm	hyper	CG	0.0187
Gm16	28596215	28596290	Gmdrm	hyper	CG	0.06
Gm16	28650821	28650946	Gmdrm	hyper	CG	0.1017
Gm16	28775712	28776010	Gmdrm	hyper	CG	0.0279
Gm16	28859227	28859359	Gmdrm	hyper	CG	0.122
Gm16	29142859	29142951	Gmdrm	hyper	CG	0.88
Gm16	29298532	29298584	Gmdrm	hyper	CG	0.0563
Gm16	29403340	29403600	Gmdrm	hyper	CG	0.0314
Gm16	29420222	29420440	Gmdrm	hyper	CG	0.3716
Gm16	29434296	29434317	Gmdrm	hyper	CG	0.778
Gm16	29493849	29493878	Gmdrm	hyper	CG	0.8917
Gm16	29721966	29721994	Gmdrm	hyper	CG	0.84
Gm16	29876036	29876306	Gmdrm	hyper	CG	0.0514
Gm16	29935074	29935115	Gmdrm	hyper	CG	0.8967
Gm16	30023485	30023639	Gmdrm	hyper	CG	0.1933
Gm16	30178677	30178751	Gmdrm	hyper	CG	0.65
Gm16	30226666	30227378	Gmdrm	hyper	CG	0.0217
Gm16	30354814	30354864	Gmdrm	hyper	CG	0.1117
Gm16	30454966	30455058	Gmdrm	hyper	CG	0.065
Gm16	30595135	30595317	Gmdrm	hyper	CG	0.0734
Gm16	30699243	30699534	Gmdrm	hyper	CG	0.5227
Gm16	30742315	30742425	Gmdrm	hyper	CG	0.238
Gm16	30835373	30835851	Gmdrm	hyper	CG	0.034
Gm16	30892978	30893061	Gmdrm	hyper	CG	0.475
Gm16	30907320	30907564	Gmdrm	hyper	CG	0.0323
Gm16	30969336	30969526	Gmdrm	hyper	CG	0.8183
Gm16	31004929	31005003	Gmdrm	hyper	CG	0.0601
Gm16	31334348	31334404	Gmdrm	hyper	CG	0.0366
Gm16	31365330	31365345	Gmdrm	hyper	CG	0.5233
Gm16	31414130	31414235	Gmdrm	hyper	CG	0.715

Gm16	31427884	31427971	Gmdrm	hyper	CG	0.7214
Gm16	31518520	31518576	Gmdrm	hyper	CG	0.048
Gm16	31547373	31547504	Gmdrm	hyper	CG	0.0717
Gm16	31547954	31548284	Gmdrm	hyper	CG	0.0351
Gm16	31778687	31778821	Gmdrm	hyper	CG	0.052
Gm16	31825872	31825917	Gmdrm	hyper	CG	0.794
Gm16	31893785	31893973	Gmdrm	hyper	CG	0.5189
Gm16	31941721	31941861	Gmdrm	hyper	CG	0.05
Gm16	32023120	32023143	Gmdrm	hyper	CG	0.071
Gm16	32121021	32121120	Gmdrm	hyper	CG	0.75
Gm16	32263432	32263692	Gmdrm	hyper	CG	0.0938
Gm16	32312592	32312639	Gmdrm	hyper	CG	0.048
Gm16	32359340	32359737	Gmdrm	hyper	CG	0.0368
Gm16	32551602	32551857	Gmdrm	hyper	CG	0.0457
Gm16	32652594	32652696	Gmdrm	hyper	CG	0.3486
Gm16	32662022	32662137	Gmdrm	hyper	CG	0.318
Gm16	33026866	33026903	Gmdrm	hyper	CG	0.77
Gm16	33039728	33039796	Gmdrm	hyper	CG	0.0975
Gm16	33286709	33286849	Gmdrm	hyper	CG	0.3711
Gm16	33322800	33322946	Gmdrm	hyper	CG	0.3466
Gm16	33332987	33333108	Gmdrm	hyper	CG	0.64
Gm16	33350108	33350219	Gmdrm	hyper	CG	0.5444
Gm16	33659371	33659507	Gmdrm	hyper	CG	0.3138
Gm16	33746497	33746612	Gmdrm	hyper	CG	0.209
Gm16	33760835	33760956	Gmdrm	hyper	CG	0.238
Gm16	33764199	33764285	Gmdrm	hyper	CG	0.3375
Gm16	33785030	33785117	Gmdrm	hyper	CG	0.222
Gm16	33787040	33787153	Gmdrm	hyper	CG	0.244
Gm16	33824817	33824908	Gmdrm	hyper	CG	0.3567
Gm16	33854804	33854962	Gmdrm	hyper	CG	0.291
Gm16	33993762	33993933	Gmdrm	hyper	CG	0.7029
Gm16	34221062	34221128	Gmdrm	hyper	CG	0.07
Gm16	34417013	34417229	Gmdrm	hyper	CG	0.04
Gm16	34458839	34458993	Gmdrm	hyper	CG	0.04
Gm16	34570977	34571041	Gmdrm	hyper	CG	0.045
Gm16	34734515	34735191	Gmdrm	hyper	CG	0.044
Gm16	34986536	34986619	Gmdrm	hyper	CG	0.5509
Gm16	35323747	35324034	Gmdrm	hyper	CG	0.0193
Gm16	35347483	35347632	Gmdrm	hyper	CG	0.134
Gm16	35612766	35612910	Gmdrm	hyper	CG	0.3922
Gm16	35714142	35714367	Gmdrm	hyper	CG	0.49
Gm16	35806673	35807011	Gmdrm	hyper	CG	0.0233
Gm16	35846471	35846504	Gmdrm	hyper	CG	0.0583
Gm16	35908425	35908491	Gmdrm	hyper	CG	0.915
Gm16	36067050	36067118	Gmdrm	hyper	CG	0.0667
Gm16	36120331	36120456	Gmdrm	hyper	CG	0.034

Gm16	36133468	36133557	Gmdrm	hyper	CG	0.1083
Gm16	36277541	36277702	Gmdrm	hyper	CG	0.062
Gm16	36380953	36381057	Gmdrm	hyper	CG	0.66
Gm16	36745945	36745992	Gmdrm	hyper	CG	0.2967
Gm16	36746411	36746514	Gmdrm	hyper	CG	0.2883
Gm16	36779951	36780019	Gmdrm	hyper	CG	0.092
Gm16	36976185	36976253	Gmdrm	hyper	CG	0.0312
Gm16	37014123	37014172	Gmdrm	hyper	CG	0.5283
Gm16	37088508	37088530	Gmdrm	hyper	CG	0.535
Gm16	37304258	37304316	Gmdrm	hyper	CG	0.6583
Gm16	37385136	37385193	Gmdrm	hyper	CG	0.6429
Gm16	37385306	37385395	Gmdrm	hyper	CG	0.91
Gm16	37414461	37414509	Gmdrm	hyper	CG	0.9025
Gm16	37770144	37770442	Gmdrm	hyper	CG	0.1386
Gm16	37778803	37778936	Gmdrm	hyper	CG	0.8023
Gm16	38092920	38093017	Gmdrm	hyper	CG	0.8086
Gm17	27655	27862	Gmdrm	hyper	CG	0.0967
Gm17	278414	278532	Gmdrm	hyper	CG	0.9071
Gm17	279145	279159	Gmdrm	hyper	CG	0.66
Gm17	376208	376336	Gmdrm	hyper	CG	0.7372
Gm17	578034	578152	Gmdrm	hyper	CG	0.365
Gm17	602259	602329	Gmdrm	hyper	CG	0.694
Gm17	662176	662468	Gmdrm	hyper	CG	0.035
Gm17	780096	780250	Gmdrm	hyper	CG	0.2429
Gm17	1003488	1003527	Gmdrm	hyper	CG	0.82
Gm17	1411259	1411452	Gmdrm	hyper	CG	0.015
Gm17	1420788	1420854	Gmdrm	hyper	CG	0.1111
Gm17	1424566	1424644	Gmdrm	hyper	CG	0.6234
Gm17	1481526	1481556	Gmdrm	hyper	CG	0.6567
Gm17	1497836	1498083	Gmdrm	hyper	CG	0.287
Gm17	1616780	1616865	Gmdrm	hyper	CG	0.092
Gm17	1654468	1654598	Gmdrm	hyper	CG	0.052
Gm17	1718760	1718786	Gmdrm	hyper	CG	0.6484
Gm17	1756542	1756683	Gmdrm	hyper	CG	0.6266
Gm17	1763222	1763391	Gmdrm	hyper	CG	0.0464
Gm17	1797633	1797712	Gmdrm	hyper	CG	0.0817
Gm17	1922873	1922947	Gmdrm	hyper	CG	0.634
Gm17	1959135	1959214	Gmdrm	hyper	CG	0.82
Gm17	2303375	2303445	Gmdrm	hyper	CG	0.1284
Gm17	2369046	2369428	Gmdrm	hyper	CG	0.0328
Gm17	2427162	2427178	Gmdrm	hyper	CG	0.58
Gm17	2439446	2439662	Gmdrm	hyper	CG	0.0433
Gm17	2536212	2536280	Gmdrm	hyper	CG	0.069
Gm17	2780903	2781105	Gmdrm	hyper	CG	0.0438
Gm17	2924409	2924421	Gmdrm	hyper	CG	0.614
Gm17	2990580	2990602	Gmdrm	hyper	CG	0.754

Gm17	3020388	3020422	Gmdrm	hyper	CG	0.0683
Gm17	3077996	3078097	Gmdrm	hyper	CG	0.4913
Gm17	3163439	3163582	Gmdrm	hyper	CG	0.056
Gm17	3248138	3248326	Gmdrm	hyper	CG	0.0379
Gm17	3405314	3405459	Gmdrm	hyper	CG	0.052
Gm17	3522106	3522333	Gmdrm	hyper	CG	0.5293
Gm17	3556143	3556341	Gmdrm	hyper	CG	0.029
Gm17	3566292	3566308	Gmdrm	hyper	CG	0.23
Gm17	3630213	3630677	Gmdrm	hyper	CG	0.1064
Gm17	3630817	3631115	Gmdrm	hyper	CG	0.116
Gm17	3693304	3693317	Gmdrm	hyper	CG	0.36
Gm17	3739822	3739835	Gmdrm	hyper	CG	0.1083
Gm17	3783698	3783763	Gmdrm	hyper	CG	0.6617
Gm17	3829699	3829723	Gmdrm	hyper	CG	0.812
Gm17	3921715	3921926	Gmdrm	hyper	CG	0.595
Gm17	3959055	3959109	Gmdrm	hyper	CG	0.698
Gm17	4052722	4053045	Gmdrm	hyper	CG	0.08
Gm17	4131381	4131537	Gmdrm	hyper	CG	0.752
Gm17	4190782	4190793	Gmdrm	hyper	CG	0.1633
Gm17	4231402	4231484	Gmdrm	hyper	CG	0.685
Gm17	4269488	4269554	Gmdrm	hyper	CG	0.072
Gm17	4274186	4274276	Gmdrm	hyper	CG	0.04
Gm17	4392226	4392342	Gmdrm	hyper	CG	0.0616
Gm17	4476704	4476822	Gmdrm	hyper	CG	0.1257
Gm17	4498492	4498560	Gmdrm	hyper	CG	0.53
Gm17	4541594	4541688	Gmdrm	hyper	CG	0.0888
Gm17	4599574	4599591	Gmdrm	hyper	CG	0.736
Gm17	4624750	4624807	Gmdrm	hyper	CG	0.5436
Gm17	4845558	4845640	Gmdrm	hyper	CG	0.072
Gm17	4964115	4964279	Gmdrm	hyper	CG	0.04
Gm17	4973729	4974167	Gmdrm	hyper	CG	0.0318
Gm17	5408787	5408885	Gmdrm	hyper	CG	0.052
Gm17	5582112	5582167	Gmdrm	hyper	CG	0.794
Gm17	5640957	5641064	Gmdrm	hyper	CG	0.375
Gm17	5643333	5643380	Gmdrm	hyper	CG	0.4924
Gm17	5787328	5787896	Gmdrm	hyper	CG	0.1127
Gm17	5944513	5944568	Gmdrm	hyper	CG	0.6645
Gm17	5969245	5969267	Gmdrm	hyper	CG	0.5383
Gm17	5971420	5971535	Gmdrm	hyper	CG	0.0567
Gm17	6012514	6012680	Gmdrm	hyper	CG	0.052
Gm17	6326143	6326185	Gmdrm	hyper	CG	0.028
Gm17	6427533	6427768	Gmdrm	hyper	CG	0.758
Gm17	6428489	6428607	Gmdrm	hyper	CG	0.815
Gm17	6437781	6438008	Gmdrm	hyper	CG	0.025
Gm17	6537250	6537265	Gmdrm	hyper	CG	0.4117
Gm17	6636024	6636101	Gmdrm	hyper	CG	0.7163

Gm17	6637105	6637158	Gmdrm	hyper	CG	0.6838
Gm17	6658190	6658226	Gmdrm	hyper	CG	0.051
Gm17	6871003	6871025	Gmdrm	hyper	CG	0.712
Gm17	7031670	7031861	Gmdrm	hyper	CG	0.0528
Gm17	7143862	7144220	Gmdrm	hyper	CG	0.0445
Gm17	7407232	7407260	Gmdrm	hyper	CG	0.766
Gm17	7482791	7482844	Gmdrm	hyper	CG	0.1186
Gm17	7625142	7625189	Gmdrm	hyper	CG	0.555
Gm17	7784616	7785060	Gmdrm	hyper	CG	0.0445
Gm17	7938720	7938798	Gmdrm	hyper	CG	0.728
Gm17	8144159	8144242	Gmdrm	hyper	CG	0.945
Gm17	8166099	8166302	Gmdrm	hyper	CG	0.072
Gm17	8177361	8177541	Gmdrm	hyper	CG	0.0943
Gm17	8314939	8315097	Gmdrm	hyper	CG	0.05
Gm17	8495926	8496011	Gmdrm	hyper	CG	0.716
Gm17	8502069	8502093	Gmdrm	hyper	CG	0.93
Gm17	8841216	8841285	Gmdrm	hyper	CG	0.065
Gm17	8863557	8863612	Gmdrm	hyper	CG	0.7083
Gm17	8880987	8881025	Gmdrm	hyper	CG	0.0772
Gm17	8891505	8891655	Gmdrm	hyper	CG	0.05
Gm17	9050880	9051095	Gmdrm	hyper	CG	0.03
Gm17	9068307	9068433	Gmdrm	hyper	CG	0.064
Gm17	9151193	9151222	Gmdrm	hyper	CG	0.8014
Gm17	9266174	9266256	Gmdrm	hyper	CG	0.62
Gm17	9445123	9445232	Gmdrm	hyper	CG	0.712
Gm17	9512173	9512236	Gmdrm	hyper	CG	0.5767
Gm17	9546023	9546200	Gmdrm	hyper	CG	0.03
Gm17	9762194	9762402	Gmdrm	hyper	CG	0.3344
Gm17	9949308	9949433	Gmdrm	hyper	CG	0.036
Gm17	9971104	9971219	Gmdrm	hyper	CG	0.025
Gm17	10396711	10396834	Gmdrm	hyper	CG	0.475
Gm17	10496285	10496612	Gmdrm	hyper	CG	0.0352
Gm17	10497739	10497901	Gmdrm	hyper	CG	0.382
Gm17	10639147	10639833	Gmdrm	hyper	CG	0.0311
Gm17	10703052	10703075	Gmdrm	hyper	CG	0.975
Gm17	10845213	10845237	Gmdrm	hyper	CG	0.7114
Gm17	10862529	10862762	Gmdrm	hyper	CG	0.0311
Gm17	10894301	10894399	Gmdrm	hyper	CG	0.698
Gm17	11506633	11506736	Gmdrm	hyper	CG	0.0512
Gm17	11636638	11636777	Gmdrm	hyper	CG	0.65
Gm17	11641915	11641996	Gmdrm	hyper	CG	0.034
Gm17	11764967	11765204	Gmdrm	hyper	CG	0.0727
Gm17	11835308	11835324	Gmdrm	hyper	CG	0.1667
Gm17	11861880	11861916	Gmdrm	hyper	CG	0.8
Gm17	12042458	12042586	Gmdrm	hyper	CG	0.8437
Gm17	12157189	12157196	Gmdrm	hyper	CG	0.336

Gm17	12285573	12285724	Gmdrm	hyper	CG	0.548
Gm17	12340708	12340779	Gmdrm	hyper	CG	0.676
Gm17	12365342	12365361	Gmdrm	hyper	CG	0.6
Gm17	12487762	12487847	Gmdrm	hyper	CG	0.086
Gm17	12561513	12561560	Gmdrm	hyper	CG	0.778
Gm17	12588790	12588977	Gmdrm	hyper	CG	0.3374
Gm17	12674964	12674978	Gmdrm	hyper	CG	0.08
Gm17	12716390	12716612	Gmdrm	hyper	CG	0.0616
Gm17	12908048	12908612	Gmdrm	hyper	CG	0.0271
Gm17	13012822	13012838	Gmdrm	hyper	CG	0.875
Gm17	13036119	13036127	Gmdrm	hyper	CG	0.16
Gm17	13053124	13053325	Gmdrm	hyper	CG	0.0417
Gm17	13141475	13141509	Gmdrm	hyper	CG	0.4343
Gm17	13274322	13274647	Gmdrm	hyper	CG	0.0322
Gm17	13276931	13276970	Gmdrm	hyper	CG	0.064
Gm17	13681520	13681629	Gmdrm	hyper	CG	0.9875
Gm17	13695955	13696028	Gmdrm	hyper	CG	0.574
Gm17	13696625	13696776	Gmdrm	hyper	CG	0.054
Gm17	13863500	13863663	Gmdrm	hyper	CG	0.6633
Gm17	13914060	13914110	Gmdrm	hyper	CG	0.521
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Gm17	13990190	13990297	Gmdrm	hyper	CG	0.0591
Gm17	14020000	14020073	Gmdrm	hyper	CG	0.8833
Gm17	14047154	14047247	Gmdrm	hyper	CG	0.675
Gm17	14384889	14385110	Gmdrm	hyper	CG	0.29
Gm17	14394133	14394163	Gmdrm	hyper	CG	0.8463
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Gm17	14573648	14573738	Gmdrm	hyper	CG	0.96
Gm17	14589963	14590161	Gmdrm	hyper	CG	0.0486
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Gm17	14851187	14851339	Gmdrm	hyper	CG	0.3687
Gm17	14935353	14935430	Gmdrm	hyper	CG	0.0417
Gm17	15108707	15108752	Gmdrm	hyper	CG	0.0434
Gm17	15190104	15190165	Gmdrm	hyper	CG	0.636
Gm17	15264471	15264650	Gmdrm	hyper	CG	0.0328
Gm17	15265106	15265285	Gmdrm	hyper	CG	0.0519
Gm17	15325565	15325784	Gmdrm	hyper	CG	0.1231
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Gm17	15569518	15569622	Gmdrm	hyper	CG	0.5783
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Gm17	15631002	15631077	Gmdrm	hyper	CG	0.0874
Gm17	15671840	15671950	Gmdrm	hyper	CG	0.7543
Gm17	16030499	16030628	Gmdrm	hyper	CG	0.7622
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Gm17	16060850	16060974	Gmdrm	hyper	CG	0.054

Gm17	16068603	16068622	Gmdrm	hyper	CG	0.848
Gm17	16128460	16128582	Gmdrm	hyper	CG	0.8654
Gm17	16153970	16154748	Gmdrm	hyper	CG	0.0291
Gm17	16186659	16186836	Gmdrm	hyper	CG	0.0725
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Gm17	16596817	16596932	Gmdrm	hyper	CG	0.0363
Gm17	16600917	16601067	Gmdrm	hyper	CG	0.105
Gm17	16611215	16611450	Gmdrm	hyper	CG	0.0653
Gm17	16972942	16973114	Gmdrm	hyper	CG	0.09
Gm17	16992945	16993061	Gmdrm	hyper	CG	0.0857
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Gm17	17128356	17128494	Gmdrm	hyper	CG	0.182
Gm17	17165531	17165744	Gmdrm	hyper	CG	0.0484
Gm17	17344579	17344835	Gmdrm	hyper	CG	0.0604
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Gm17	17931711	17932075	Gmdrm	hyper	CG	0.0368
Gm17	18003367	18004034	Gmdrm	hyper	CG	0.0172
Gm17	18042680	18042872	Gmdrm	hyper	CG	0.0429
Gm17	18066320	18066801	Gmdrm	hyper	CG	0.0227
Gm17	18071647	18071707	Gmdrm	hyper	CG	0.085
Gm17	18498803	18499131	Gmdrm	hyper	CG	0.0455
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Gm17	18564450	18564572	Gmdrm	hyper	CG	0.0923
Gm17	18811608	18811862	Gmdrm	hyper	CG	0.04
Gm17	18834529	18834592	Gmdrm	hyper	CG	0.06
Gm17	18973726	18973750	Gmdrm	hyper	CG	0.065
Gm17	18977994	18978179	Gmdrm	hyper	CG	0.0275
Gm17	19050276	19050327	Gmdrm	hyper	CG	0.046
Gm17	19142965	19143224	Gmdrm	hyper	CG	0.05
Gm17	19159468	19159482	Gmdrm	hyper	CG	0.1913
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Gm17	19425490	19425786	Gmdrm	hyper	CG	0.043
Gm17	19461043	19461165	Gmdrm	hyper	CG	0.0433
Gm17	19521234	19521477	Gmdrm	hyper	CG	0.0454
Gm17	19551946	19552047	Gmdrm	hyper	CG	0.4719
Gm17	19721556	19721833	Gmdrm	hyper	CG	0.0485
Gm17	19790958	19791080	Gmdrm	hyper	CG	0.075
Gm17	19797923	19798190	Gmdrm	hyper	CG	0.0473
Gm17	19910274	19910387	Gmdrm	hyper	CG	0.058
Gm17	20090516	20090624	Gmdrm	hyper	CG	0.0843
Gm17	20094514	20094582	Gmdrm	hyper	CG	0.1133
Gm17	20169592	20169692	Gmdrm	hyper	CG	0.0733
Gm17	20283219	20283263	Gmdrm	hyper	CG	0.0333
Gm17	20286010	20286656	Gmdrm	hyper	CG	0.0181

Gm17	20356695	20357302	Gmdrm	hyper	CG	0.0515
Gm17	20406256	20406354	Gmdrm	hyper	CG	0.045
Gm17	20421911	20421948	Gmdrm	hyper	CG	0.085
Gm17	20656222	20656303	Gmdrm	hyper	CG	0.05
Gm17	20909013	20909634	Gmdrm	hyper	CG	0.0354
Gm17	20915126	20915532	Gmdrm	hyper	CG	0.0511
Gm17	21068522	21068950	Gmdrm	hyper	CG	0.056
Gm17	21215169	21215304	Gmdrm	hyper	CG	0.1382
Gm17	21248825	21249690	Gmdrm	hyper	CG	0.0254
Gm17	21272559	21272705	Gmdrm	hyper	CG	0.0423
Gm17	21388274	21388398	Gmdrm	hyper	CG	0.0455
Gm17	21389205	21389289	Gmdrm	hyper	CG	0.2286
Gm17	21570666	21570812	Gmdrm	hyper	CG	0.0471
Gm17	21644167	21644234	Gmdrm	hyper	CG	0.0914
Gm17	21706332	21706518	Gmdrm	hyper	CG	0.0517
Gm17	21932332	21932436	Gmdrm	hyper	CG	0.0388
Gm17	22178831	22179015	Gmdrm	hyper	CG	0.0637
Gm17	22240142	22240511	Gmdrm	hyper	CG	0.0383
Gm17	22295408	22295528	Gmdrm	hyper	CG	0.4008
Gm17	22368057	22368178	Gmdrm	hyper	CG	0.0367
Gm17	22774980	22775289	Gmdrm	hyper	CG	0.0622
Gm17	22839886	22840074	Gmdrm	hyper	CG	0.0614
Gm17	22844636	22844868	Gmdrm	hyper	CG	0.065
Gm17	22914447	22914904	Gmdrm	hyper	CG	0.0528
Gm17	22929952	22930375	Gmdrm	hyper	CG	0.0747
Gm17	23292567	23293534	Gmdrm	hyper	CG	0.0277
Gm17	23425805	23426019	Gmdrm	hyper	CG	0.1108
Gm17	23523352	23523890	Gmdrm	hyper	CG	0.0396
Gm17	23563227	23563395	Gmdrm	hyper	CG	0.754
Gm17	23573438	23573571	Gmdrm	hyper	CG	0.4788
Gm17	23649962	23650009	Gmdrm	hyper	CG	0.05
Gm17	23656490	23656765	Gmdrm	hyper	CG	0.009
Gm17	23698350	23698585	Gmdrm	hyper	CG	0.0308
Gm17	23790292	23790444	Gmdrm	hyper	CG	0.033
Gm17	23867683	23867888	Gmdrm	hyper	CG	0.0467
Gm17	23913430	23913481	Gmdrm	hyper	CG	0.7612
Gm17	23931534	23931656	Gmdrm	hyper	CG	0.06
Gm17	24141670	24141737	Gmdrm	hyper	CG	0.06
Gm17	24166877	24167348	Gmdrm	hyper	CG	0.0656
Gm17	24481746	24481837	Gmdrm	hyper	CG	0.0367
Gm17	24501429	24501515	Gmdrm	hyper	CG	0.132
Gm17	24535351	24535460	Gmdrm	hyper	CG	0.0567
Gm17	24694788	24694999	Gmdrm	hyper	CG	0.0584
Gm17	24970419	24970541	Gmdrm	hyper	CG	0.1157
Gm17	25176260	25176573	Gmdrm	hyper	CG	0.0455
Gm17	25202234	25202710	Gmdrm	hyper	CG	0.0583

Gm17	25249353	25249420	Gmdrm	hyper	CG	0.0967
Gm17	25279236	25280052	Gmdrm	hyper	CG	0.0303
Gm17	25433811	25434562	Gmdrm	hyper	CG	0.0568
Gm17	25720624	25721096	Gmdrm	hyper	CG	0.0542
Gm17	25822691	25823375	Gmdrm	hyper	CG	0.0267
Gm17	26005292	26005501	Gmdrm	hyper	CG	0.1433
Gm17	26056700	26056871	Gmdrm	hyper	CG	0.0326
Gm17	26190039	26190780	Gmdrm	hyper	CG	0.0696
Gm17	26216330	26216541	Gmdrm	hyper	CG	0.0453
Gm17	26304581	26305579	Gmdrm	hyper	CG	0.0244
Gm17	26389760	26389806	Gmdrm	hyper	CG	0.06
Gm17	26435546	26436221	Gmdrm	hyper	CG	0.0264
Gm17	26471037	26471723	Gmdrm	hyper	CG	0.0629
Gm17	26516078	26516312	Gmdrm	hyper	CG	0.0564
Gm17	26580362	26581322	Gmdrm	hyper	CG	0.0346
Gm17	26681192	26681491	Gmdrm	hyper	CG	0.0667
Gm17	26790086	26790279	Gmdrm	hyper	CG	0.0416
Gm17	26893618	26894596	Gmdrm	hyper	CG	0.0264
Gm17	26913076	26913504	Gmdrm	hyper	CG	0.0653
Gm17	26955320	26955622	Gmdrm	hyper	CG	0.5243
Gm17	26957480	26957514	Gmdrm	hyper	CG	0.918
Gm17	27072959	27073046	Gmdrm	hyper	CG	0.0613
Gm17	27120616	27121031	Gmdrm	hyper	CG	0.0547
Gm17	27157293	27157667	Gmdrm	hyper	CG	0.0439
Gm17	27181828	27182103	Gmdrm	hyper	CG	0.0878
Gm17	27235424	27235500	Gmdrm	hyper	CG	0.3283
Gm17	27293358	27293569	Gmdrm	hyper	CG	0.0492
Gm17	27302066	27302821	Gmdrm	hyper	CG	0.0258
Gm17	27419350	27419482	Gmdrm	hyper	CG	0.0512
Gm17	27461881	27461993	Gmdrm	hyper	CG	0.9912
Gm17	27485080	27486025	Gmdrm	hyper	CG	0.0319
Gm17	27530961	27531263	Gmdrm	hyper	CG	0.0362
Gm17	27575898	27576046	Gmdrm	hyper	CG	0.0714
Gm17	27995741	27996183	Gmdrm	hyper	CG	0.0447
Gm17	28006023	28006656	Gmdrm	hyper	CG	0.0529
Gm17	28121968	28122309	Gmdrm	hyper	CG	0.0403
Gm17	28149037	28149132	Gmdrm	hyper	CG	0.6329
Gm17	28151602	28151717	Gmdrm	hyper	CG	0.046
Gm17	28254739	28255133	Gmdrm	hyper	CG	0.051
Gm17	28259097	28259409	Gmdrm	hyper	CG	0.0726
Gm17	28377338	28377761	Gmdrm	hyper	CG	0.0468
Gm17	28407150	28407448	Gmdrm	hyper	CG	0.0933
Gm17	28527123	28527295	Gmdrm	hyper	CG	0.0733
Gm17	28551147	28551685	Gmdrm	hyper	CG	0.0581
Gm17	28587700	28587983	Gmdrm	hyper	CG	0.0462
Gm17	28665313	28665762	Gmdrm	hyper	CG	0.0268

Gm17	28687198	28687262	Gmdrm	hyper	CG	0.0629
Gm17	28857558	28857763	Gmdrm	hyper	CG	0.0545
Gm17	29081313	29081379	Gmdrm	hyper	CG	0.0517
Gm17	29180003	29180630	Gmdrm	hyper	CG	0.0307
Gm17	29184642	29184717	Gmdrm	hyper	CG	0.061
Gm17	29252483	29253091	Gmdrm	hyper	CG	0.0397
Gm17	29275294	29275485	Gmdrm	hyper	CG	0.0811
Gm17	29280812	29281079	Gmdrm	hyper	CG	0.0492
Gm17	29289673	29290482	Gmdrm	hyper	CG	0.0656
Gm17	29370055	29370336	Gmdrm	hyper	CG	0.0831
Gm17	29479264	29479562	Gmdrm	hyper	CG	0.052
Gm17	29569466	29569694	Gmdrm	hyper	CG	0.0756
Gm17	29569845	29569968	Gmdrm	hyper	CG	0.0437
Gm17	29667536	29667666	Gmdrm	hyper	CG	0.0833
Gm17	29698491	29699013	Gmdrm	hyper	CG	0.0341
Gm17	29712546	29712629	Gmdrm	hyper	CG	0.032
Gm17	29754000	29754603	Gmdrm	hyper	CG	0.0444
Gm17	29762364	29762503	Gmdrm	hyper	CG	0.036
Gm17	29920043	29920179	Gmdrm	hyper	CG	0.045
Gm17	29935719	29935838	Gmdrm	hyper	CG	0.1033
Gm17	29967173	29967329	Gmdrm	hyper	CG	0.025
Gm17	30196342	30197065	Gmdrm	hyper	CG	0.0353
Gm17	30202055	30202550	Gmdrm	hyper	CG	0.0438
Gm17	30252813	30253001	Gmdrm	hyper	CG	0.0554
Gm17	30253734	30254066	Gmdrm	hyper	CG	0.0305
Gm17	30412727	30412793	Gmdrm	hyper	CG	0.1475
Gm17	30422434	30422817	Gmdrm	hyper	CG	0.0281
Gm17	30510652	30511631	Gmdrm	hyper	CG	0.0333
Gm17	30564463	30564471	Gmdrm	hyper	CG	0.0617
Gm17	30785202	30785408	Gmdrm	hyper	CG	0.0391
Gm17	30835535	30835684	Gmdrm	hyper	CG	0.0338
Gm17	30959625	30960157	Gmdrm	hyper	CG	0.0521
Gm17	30977061	30977229	Gmdrm	hyper	CG	0.7686
Gm17	31022432	31023409	Gmdrm	hyper	CG	0.0238
Gm17	31397184	31397330	Gmdrm	hyper	CG	0.1238
Gm17	31417567	31417934	Gmdrm	hyper	CG	0.0426
Gm17	31470306	31470418	Gmdrm	hyper	CG	0.1082
Gm17	31519283	31519303	Gmdrm	hyper	CG	0.0617
Gm17	31607081	31607129	Gmdrm	hyper	CG	0.07
Gm17	31727579	31727882	Gmdrm	hyper	CG	0.0331
Gm17	31984594	31984826	Gmdrm	hyper	CG	0.0314
Gm17	32026143	32026373	Gmdrm	hyper	CG	0.4389
Gm17	32030934	32031022	Gmdrm	hyper	CG	0.325
Gm17	32031123	32031826	Gmdrm	hyper	CG	0.1121
Gm17	32194417	32194740	Gmdrm	hyper	CG	0.0734
Gm17	32242586	32243051	Gmdrm	hyper	CG	0.0427

Gm17	32502652	32502796	Gmdrm	hyper	CG	0.06
Gm17	32856696	32856778	Gmdrm	hyper	CG	0.065
Gm17	32873089	32873229	Gmdrm	hyper	CG	0.068
Gm17	33054884	33055163	Gmdrm	hyper	CG	0.0607
Gm17	33170133	33170293	Gmdrm	hyper	CG	0.0378
Gm17	33196389	33196606	Gmdrm	hyper	CG	0.629
Gm17	33264717	33265053	Gmdrm	hyper	CG	0.0554
Gm17	33348914	33349116	Gmdrm	hyper	CG	0.4275
Gm17	33602062	33602139	Gmdrm	hyper	CG	0.58
Gm17	33684232	33684334	Gmdrm	hyper	CG	0.0587
Gm17	33777956	33778204	Gmdrm	hyper	CG	0.0571
Gm17	33904891	33905392	Gmdrm	hyper	CG	0.9472
Gm17	33938897	33939279	Gmdrm	hyper	CG	0.1319
Gm17	34072615	34072638	Gmdrm	hyper	CG	0.17
Gm17	34085551	34085637	Gmdrm	hyper	CG	0.732
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Gm17	34125538	34125913	Gmdrm	hyper	CG	0.0413
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Gm17	34236308	34236359	Gmdrm	hyper	CG	0.8684
Gm17	34319400	34319430	Gmdrm	hyper	CG	0.0262
Gm17	34344603	34344819	Gmdrm	hyper	CG	0.16
Gm17	34351586	34352518	Gmdrm	hyper	CG	0.0333
Gm17	34391291	34391590	Gmdrm	hyper	CG	0.0453
Gm17	34404634	34405076	Gmdrm	hyper	CG	0.032
Gm17	34434662	34434788	Gmdrm	hyper	CG	0.045
Gm17	34445303	34445381	Gmdrm	hyper	CG	0.0325
Gm17	34679984	34680045	Gmdrm	hyper	CG	0.21
Gm17	34750594	34750961	Gmdrm	hyper	CG	0.0735
Gm17	34842157	34842361	Gmdrm	hyper	CG	0.444
Gm17	34937931	34938363	Gmdrm	hyper	CG	0.0372
Gm17	35266741	35266943	Gmdrm	hyper	CG	0.11
Gm17	35464902	35465199	Gmdrm	hyper	CG	0.0389
Gm17	35508856	35508917	Gmdrm	hyper	CG	0.6584
Gm17	35567581	35568002	Gmdrm	hyper	CG	0.0309
Gm17	35614808	35614892	Gmdrm	hyper	CG	0.82
Gm17	35661265	35661384	Gmdrm	hyper	CG	0.0818
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Gm17	35669097	35669215	Gmdrm	hyper	CG	0.07
Gm17	35728032	35728379	Gmdrm	hyper	CG	0.0587
Gm17	35876352	35876546	Gmdrm	hyper	CG	0.0667
Gm17	36127673	36127872	Gmdrm	hyper	CG	0.0622
Gm17	36137762	36137880	Gmdrm	hyper	CG	0.069
Gm17	36183951	36184088	Gmdrm	hyper	CG	0.102
Gm17	36507916	36508049	Gmdrm	hyper	CG	0.091
Gm17	36638966	36639078	Gmdrm	hyper	CG	0.618
Gm17	36684289	36684451	Gmdrm	hyper	CG	0.149

Gm17	36770786	36770859	Gmdrm	hyper	CG	0.678
Gm17	36786290	36786324	Gmdrm	hyper	CG	0.0533
Gm17	36825502	36825616	Gmdrm	hyper	CG	0.0684
Gm17	36860215	36860377	Gmdrm	hyper	CG	0.0554
Gm17	36912737	36912944	Gmdrm	hyper	CG	0.4477
Gm17	36961577	36961697	Gmdrm	hyper	CG	0.0392
Gm17	37089128	37089365	Gmdrm	hyper	CG	0.0275
Gm17	37372604	37372730	Gmdrm	hyper	CG	0.4783
Gm17	37489678	37489809	Gmdrm	hyper	CG	0.4925
Gm17	37613219	37613432	Gmdrm	hyper	CG	0.4978
Gm17	37806172	37806304	Gmdrm	hyper	CG	0.104
Gm17	37977318	37977655	Gmdrm	hyper	CG	0.0611
Gm17	38010921	38010985	Gmdrm	hyper	CG	0.0445
Gm17	38114242	38114765	Gmdrm	hyper	CG	0.1168
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Gm17	38263831	38264021	Gmdrm	hyper	CG	0.6855
Gm17	38285432	38285645	Gmdrm	hyper	CG	0.0429
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Gm17	38338897	38338930	Gmdrm	hyper	CG	0.8933
Gm17	38433835	38433889	Gmdrm	hyper	CG	0.635
Gm17	38557161	38557258	Gmdrm	hyper	CG	0.965
Gm17	38593305	38593449	Gmdrm	hyper	CG	0.754
Gm17	38609206	38609309	Gmdrm	hyper	CG	0.255
Gm17	38800906	38800971	Gmdrm	hyper	CG	0.88
Gm17	38815306	38815324	Gmdrm	hyper	CG	0.5517
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Gm17	39831244	39831369	Gmdrm	hyper	CG	0.06
Gm17	39860375	39860604	Gmdrm	hyper	CG	0.0588
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Gm17	39980669	39980801	Gmdrm	hyper	CG	0.2833
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Gm17	40374867	40374996	Gmdrm	hyper	CG	0.74
Gm17	40494959	40495138	Gmdrm	hyper	CG	0.3813
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Gm17	40891840	40892084	Gmdrm	hyper	CG	0.516
Gm17	41055838	41055878	Gmdrm	hyper	CG	0.0649
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Gm18	463859	464281	Gmdrm	hyper	CG	0.026
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Gm18	982583	982655	Gmdrm	hyper	CG	0.6434
Gm18	1111898	1111977	Gmdrm	hyper	CG	0.786
Gm18	1159904	1159913	Gmdrm	hyper	CG	0.8684
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Gm18	1458897	1459092	Gmdrm	hyper	CG	0.08
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Gm18	3725246	3725505	Gmdrm	hyper	CG	0.2111
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Gm18	3795184	3795333	Gmdrm	hyper	CG	0.5342
Gm18	3835712	3835722	Gmdrm	hyper	CG	0.23
Gm18	4394717	4394803	Gmdrm	hyper	CG	0.59
Gm18	4441055	4441079	Gmdrm	hyper	CG	0.2075
Gm18	4668940	4669187	Gmdrm	hyper	CG	0.0305
Gm18	4716693	4716785	Gmdrm	hyper	CG	0.1567
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Gm18	5088097	5088189	Gmdrm	hyper	CG	0.05

Gm18	5135790	5135914	Gmdrm	hyper	CG	0.0393
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Gm18	6184364	6184382	Gmdrm	hyper	CG	0.685
Gm18	6282765	6282996	Gmdrm	hyper	CG	0.0443
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Gm18	6692777	6692862	Gmdrm	hyper	CG	0.0325
Gm18	6725642	6725876	Gmdrm	hyper	CG	0.249
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Gm18	7610500	7610530	Gmdrm	hyper	CG	0.79
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Gm18	7891895	7891909	Gmdrm	hyper	CG	0.8217
Gm18	7892020	7892162	Gmdrm	hyper	CG	0.7722
Gm18	8063858	8064093	Gmdrm	hyper	CG	0.5111
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Gm18	8139471	8139774	Gmdrm	hyper	CG	0.3134
Gm18	8232153	8232319	Gmdrm	hyper	CG	0.6723
Gm18	8286208	8286289	Gmdrm	hyper	CG	0.0333
Gm18	8317455	8317556	Gmdrm	hyper	CG	0.958
Gm18	8438478	8438591	Gmdrm	hyper	CG	0.046
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Gm18	8516946	8517129	Gmdrm	hyper	CG	0.7815
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Gm18	8523837	8523940	Gmdrm	hyper	CG	0.706
Gm18	8531462	8531666	Gmdrm	hyper	CG	0.0654
Gm18	8536918	8537341	Gmdrm	hyper	CG	0.0248
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Gm18	8835973	8836118	Gmdrm	hyper	CG	0.0345

Gm18	8907745	8907787	Gmdrm	hyper	CG	0.0388
Gm18	8907968	8908023	Gmdrm	hyper	CG	0.6533
Gm18	9194943	9195203	Gmdrm	hyper	CG	0.873
Gm18	9219276	9219317	Gmdrm	hyper	CG	0.04
Gm18	9308084	9308167	Gmdrm	hyper	CG	0.058
Gm18	9396071	9396121	Gmdrm	hyper	CG	0.0533
Gm18	9460098	9460127	Gmdrm	hyper	CG	0.756
Gm18	9525845	9525904	Gmdrm	hyper	CG	0.3066
Gm18	9650028	9650189	Gmdrm	hyper	CG	0.0571
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Gm18	9806869	9807278	Gmdrm	hyper	CG	0.045
Gm18	9894605	9895086	Gmdrm	hyper	CG	0.0283
Gm18	9932317	9932351	Gmdrm	hyper	CG	0.138
Gm18	9935470	9935537	Gmdrm	hyper	CG	0.1
Gm18	10054726	10054759	Gmdrm	hyper	CG	0.0813
Gm18	10054864	10054991	Gmdrm	hyper	CG	0.0945
Gm18	10095838	10096431	Gmdrm	hyper	CG	0.0842
Gm18	10110138	10110275	Gmdrm	hyper	CG	0.0683
Gm18	10116824	10116874	Gmdrm	hyper	CG	0.2917
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Gm18	10205975	10206155	Gmdrm	hyper	CG	0.0636
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Gm18	10224902	10224981	Gmdrm	hyper	CG	0.06
Gm18	10378772	10378874	Gmdrm	hyper	CG	0.8266
Gm18	10634234	10634291	Gmdrm	hyper	CG	0.8033
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Gm18	10859768	10859890	Gmdrm	hyper	CG	0.355
Gm18	11114312	11114595	Gmdrm	hyper	CG	0.096
Gm18	11171449	11171595	Gmdrm	hyper	CG	0.0328
Gm18	11207713	11207776	Gmdrm	hyper	CG	0.615
Gm18	11300154	11300243	Gmdrm	hyper	CG	0.03
Gm18	11354721	11354908	Gmdrm	hyper	CG	0.06
Gm18	11465059	11465119	Gmdrm	hyper	CG	0.0587
Gm18	11943460	11943655	Gmdrm	hyper	CG	0.0285
Gm18	11963327	11963381	Gmdrm	hyper	CG	0.9534
Gm18	12061498	12061791	Gmdrm	hyper	CG	0.0455
Gm18	12111318	12111583	Gmdrm	hyper	CG	0.0394
Gm18	12180655	12180732	Gmdrm	hyper	CG	0.0463
Gm18	12234807	12235112	Gmdrm	hyper	CG	0.8179
Gm18	12236953	12237244	Gmdrm	hyper	CG	0.5263
Gm18	12239837	12240033	Gmdrm	hyper	CG	0.4038
Gm18	12247368	12247547	Gmdrm	hyper	CG	0.8275
Gm18	12342980	12343177	Gmdrm	hyper	CG	0.0525
Gm18	12404079	12404374	Gmdrm	hyper	CG	0.5053
Gm18	12418770	12418839	Gmdrm	hyper	CG	0.1343

Gm18	12472221	12472744	Gmdrm	hyper	CG	0.3418
Gm18	12472850	12473352	Gmdrm	hyper	CG	0.2365
Gm18	12538374	12538620	Gmdrm	hyper	CG	0.562
Gm18	12581399	12581633	Gmdrm	hyper	CG	0.04
Gm18	12638690	12638878	Gmdrm	hyper	CG	0.087
Gm18	12692159	12692283	Gmdrm	hyper	CG	0.7175
Gm18	12698349	12698443	Gmdrm	hyper	CG	0.5267
Gm18	12992324	12992400	Gmdrm	hyper	CG	0.4187
Gm18	13130186	13130319	Gmdrm	hyper	CG	0.056
Gm18	13274670	13274813	Gmdrm	hyper	CG	0.034
Gm18	13621231	13621252	Gmdrm	hyper	CG	0.6084
Gm18	13637492	13637586	Gmdrm	hyper	CG	0.0309
Gm18	13758762	13758970	Gmdrm	hyper	CG	0.1563
Gm18	14014170	14014197	Gmdrm	hyper	CG	0.0562
Gm18	14773949	14774017	Gmdrm	hyper	CG	0.035
Gm18	14897555	14897608	Gmdrm	hyper	CG	0.655
Gm18	14948516	14948799	Gmdrm	hyper	CG	0.0256
Gm18	15101912	15102401	Gmdrm	hyper	CG	0.0846
Gm18	15154330	15154684	Gmdrm	hyper	CG	0.0408
Gm18	15169598	15169962	Gmdrm	hyper	CG	0.043
Gm18	15202476	15202539	Gmdrm	hyper	CG	0.0766
Gm18	15566280	15566375	Gmdrm	hyper	CG	0.0587
Gm18	15731795	15732194	Gmdrm	hyper	CG	0.0707
Gm18	15770955	15771037	Gmdrm	hyper	CG	0.115
Gm18	15918681	15918788	Gmdrm	hyper	CG	0.037
Gm18	15956855	15956903	Gmdrm	hyper	CG	0.6071
Gm18	15957612	15957700	Gmdrm	hyper	CG	0.7662
Gm18	16080745	16080824	Gmdrm	hyper	CG	0.667
Gm18	16115210	16115237	Gmdrm	hyper	CG	0.5314
Gm18	16219543	16219771	Gmdrm	hyper	CG	0.0504
Gm18	16228468	16228893	Gmdrm	hyper	CG	0.0336
Gm18	16452538	16452607	Gmdrm	hyper	CG	0.142
Gm18	16526640	16526740	Gmdrm	hyper	CG	0.0613
Gm18	16589202	16589850	Gmdrm	hyper	CG	0.0334
Gm18	16867846	16867939	Gmdrm	hyper	CG	0.0517
Gm18	16997227	16997370	Gmdrm	hyper	CG	0.9487
Gm18	17056737	17056827	Gmdrm	hyper	CG	0.08
Gm18	17107158	17107312	Gmdrm	hyper	CG	0.037
Gm18	17115934	17115991	Gmdrm	hyper	CG	0.03
Gm18	17192588	17192628	Gmdrm	hyper	CG	0.07
Gm18	17201130	17201270	Gmdrm	hyper	CG	0.0567
Gm18	17219285	17219531	Gmdrm	hyper	CG	0.064
Gm18	17356078	17356697	Gmdrm	hyper	CG	0.0256
Gm18	17393767	17393907	Gmdrm	hyper	CG	0.045
Gm18	17436280	17436337	Gmdrm	hyper	CG	0.0717
Gm18	17582420	17583257	Gmdrm	hyper	CG	0.0342

Gm18	17642901	17643068	Gmdrm	hyper	CG	0.106
Gm18	17783551	17783751	Gmdrm	hyper	CG	0.07
Gm18	17794075	17794296	Gmdrm	hyper	CG	0.0522
Gm18	17839831	17840393	Gmdrm	hyper	CG	0.0356
Gm18	17979676	17979687	Gmdrm	hyper	CG	0.0916
Gm18	18059032	18059110	Gmdrm	hyper	CG	0.0466
Gm18	18343824	18343901	Gmdrm	hyper	CG	0.0643
Gm18	18632131	18632732	Gmdrm	hyper	CG	0.0296
Gm18	19005501	19005792	Gmdrm	hyper	CG	0.0208
Gm18	19020925	19021043	Gmdrm	hyper	CG	0.0556
Gm18	19137153	19137675	Gmdrm	hyper	CG	0.0334
Gm18	19229536	19229771	Gmdrm	hyper	CG	0.0409
Gm18	19417692	19417990	Gmdrm	hyper	CG	0.1028
Gm18	19445877	19446034	Gmdrm	hyper	CG	0.0433
Gm18	19448627	19449345	Gmdrm	hyper	CG	0.0275
Gm18	19452887	19453107	Gmdrm	hyper	CG	0.1312
Gm18	19517604	19517755	Gmdrm	hyper	CG	0.0569
Gm18	19698010	19698167	Gmdrm	hyper	CG	0.1187
Gm18	20068229	20068339	Gmdrm	hyper	CG	0.0493
Gm18	20179506	20179565	Gmdrm	hyper	CG	0.066
Gm18	20245699	20246000	Gmdrm	hyper	CG	0.0425
Gm18	20323238	20323437	Gmdrm	hyper	CG	0.0423
Gm18	20470417	20470490	Gmdrm	hyper	CG	0.0469
Gm18	20562816	20562928	Gmdrm	hyper	CG	0.675
Gm18	20748685	20749111	Gmdrm	hyper	CG	0.0516
Gm18	20795643	20796215	Gmdrm	hyper	CG	0.028
Gm18	20843169	20843329	Gmdrm	hyper	CG	0.059
Gm18	20973490	20974000	Gmdrm	hyper	CG	0.0275
Gm18	21090210	21090333	Gmdrm	hyper	CG	0.09
Gm18	21523279	21523347	Gmdrm	hyper	CG	0.0966
Gm18	21830048	21830135	Gmdrm	hyper	CG	0.0833
Gm18	22153376	22153879	Gmdrm	hyper	CG	0.0403
Gm18	22480882	22481466	Gmdrm	hyper	CG	0.0252
Gm18	22645213	22645509	Gmdrm	hyper	CG	0.0237
Gm18	22676214	22676392	Gmdrm	hyper	CG	0.0417
Gm18	22710461	22710726	Gmdrm	hyper	CG	0.1036
Gm18	22788944	22789209	Gmdrm	hyper	CG	0.0464
Gm18	22830332	22830597	Gmdrm	hyper	CG	0.0314
Gm18	22904600	22904825	Gmdrm	hyper	CG	0.0593
Gm18	23040430	23040602	Gmdrm	hyper	CG	0.0389
Gm18	23627818	23627936	Gmdrm	hyper	CG	0.0883
Gm18	23662517	23662705	Gmdrm	hyper	CG	0.03
Gm18	23795401	23796325	Gmdrm	hyper	CG	0.0315
Gm18	23805435	23805718	Gmdrm	hyper	CG	0.0745
Gm18	23844853	23844955	Gmdrm	hyper	CG	0.13
Gm18	23871756	23871850	Gmdrm	hyper	CG	0.055

Gm18	23891949	23892627	Gmdrm	hyper	CG	0.0433
Gm18	23952651	23952996	Gmdrm	hyper	CG	0.0456
Gm18	23996662	23996770	Gmdrm	hyper	CG	0.0383
Gm18	24177162	24177190	Gmdrm	hyper	CG	0.8784
Gm18	24188491	24188598	Gmdrm	hyper	CG	0.0734
Gm18	24256527	24256625	Gmdrm	hyper	CG	0.07
Gm18	24310549	24310826	Gmdrm	hyper	CG	0.1543
Gm18	24318982	24319174	Gmdrm	hyper	CG	0.0504
Gm18	24365940	24366308	Gmdrm	hyper	CG	0.067
Gm18	24400910	24401479	Gmdrm	hyper	CG	0.0327
Gm18	24417600	24417817	Gmdrm	hyper	CG	0.0725
Gm18	24440041	24440118	Gmdrm	hyper	CG	0.1017
Gm18	24467244	24467397	Gmdrm	hyper	CG	0.0757
Gm18	25007487	25007595	Gmdrm	hyper	CG	0.0483
Gm18	25158761	25158826	Gmdrm	hyper	CG	0.162
Gm18	25247775	25247964	Gmdrm	hyper	CG	0.0338
Gm18	25316905	25316979	Gmdrm	hyper	CG	0.1
Gm18	25320815	25320903	Gmdrm	hyper	CG	0.0528
Gm18	25344918	25344998	Gmdrm	hyper	CG	0.0967
Gm18	25360834	25360936	Gmdrm	hyper	CG	0.6446
Gm18	25427869	25428608	Gmdrm	hyper	CG	0.0339
Gm18	25655728	25656044	Gmdrm	hyper	CG	0.04
Gm18	25783920	25784696	Gmdrm	hyper	CG	0.0199
Gm18	25798281	25798728	Gmdrm	hyper	CG	0.0472
Gm18	25829326	25829397	Gmdrm	hyper	CG	0.07
Gm18	25968345	25968460	Gmdrm	hyper	CG	0.095
Gm18	25985747	25985837	Gmdrm	hyper	CG	0.035
Gm18	26013299	26013743	Gmdrm	hyper	CG	0.0538
Gm18	26097559	26097754	Gmdrm	hyper	CG	0.0393
Gm18	26155289	26155766	Gmdrm	hyper	CG	0.0839
Gm18	26159576	26160091	Gmdrm	hyper	CG	0.0671
Gm18	26317781	26317993	Gmdrm	hyper	CG	0.0309
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Gm18	26451213	26451341	Gmdrm	hyper	CG	0.06
Gm18	26461802	26461885	Gmdrm	hyper	CG	0.0456
Gm18	26467451	26467670	Gmdrm	hyper	CG	0.1078
Gm18	26471521	26471619	Gmdrm	hyper	CG	0.142
Gm18	26520233	26520485	Gmdrm	hyper	CG	0.105
Gm18	26621767	26621941	Gmdrm	hyper	CG	0.055
Gm18	26813675	26814277	Gmdrm	hyper	CG	0.05
Gm18	26832870	26832897	Gmdrm	hyper	CG	0.072
Gm18	26942352	26942382	Gmdrm	hyper	CG	0.065
Gm18	27004454	27004870	Gmdrm	hyper	CG	0.052
Gm18	27014284	27014387	Gmdrm	hyper	CG	0.0487
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Gm18	27447475	27447583	Gmdrm	hyper	CG	0.18
Gm18	27730340	27730615	Gmdrm	hyper	CG	0.0642
Gm18	27749760	27750084	Gmdrm	hyper	CG	0.0297
Gm18	27962429	27963077	Gmdrm	hyper	CG	0.0543
Gm18	27971338	27971475	Gmdrm	hyper	CG	0.1133
Gm18	28025985	28026167	Gmdrm	hyper	CG	0.05
Gm18	28253660	28253935	Gmdrm	hyper	CG	0.5616
Gm18	28305847	28306221	Gmdrm	hyper	CG	0.0742
Gm18	28327705	28327844	Gmdrm	hyper	CG	0.0369
Gm18	28599616	28599751	Gmdrm	hyper	CG	0.115
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Gm18	28653590	28654239	Gmdrm	hyper	CG	0.0342
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Gm18	28694342	28694427	Gmdrm	hyper	CG	0.9625
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Gm18	29420080	29420208	Gmdrm	hyper	CG	0.063
Gm18	29461229	29461248	Gmdrm	hyper	CG	0.0483
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Gm18	29604065	29604534	Gmdrm	hyper	CG	0.0421
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Gm18	30151079	30151253	Gmdrm	hyper	CG	0.0564
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Gm18	30253700	30253930	Gmdrm	hyper	CG	0.0538
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Gm18	30893861	30894205	Gmdrm	hyper	CG	0.0548
Gm18	31081179	31081279	Gmdrm	hyper	CG	0.2826
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Gm18	31480206	31480269	Gmdrm	hyper	CG	0.112
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Gm18	32635051	32635189	Gmdrm	hyper	CG	0.068
Gm18	32710274	32710324	Gmdrm	hyper	CG	0.1413
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Gm18	33007390	33007643	Gmdrm	hyper	CG	0.0693
Gm18	33182698	33182846	Gmdrm	hyper	CG	0.0681
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Gm18	33301903	33301963	Gmdrm	hyper	CG	0.1467
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Gm18	34189270	34189459	Gmdrm	hyper	CG	0.0481
Gm18	34210810	34210998	Gmdrm	hyper	CG	0.0574
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Gm18	34542909	34543182	Gmdrm	hyper	CG	0.0713
Gm18	34613323	34613361	Gmdrm	hyper	CG	0.074
Gm18	34776610	34777045	Gmdrm	hyper	CG	0.0907
Gm18	34777680	34777933	Gmdrm	hyper	CG	0.0368
Gm18	35000806	35000837	Gmdrm	hyper	CG	0.152
Gm18	35017577	35018186	Gmdrm	hyper	CG	0.0227
Gm18	35025148	35025442	Gmdrm	hyper	CG	0.0633
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Gm18	35156976	35157284	Gmdrm	hyper	CG	0.0627
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Gm18	35438064	35438557	Gmdrm	hyper	CG	0.0249
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Gm18	35721398	35722049	Gmdrm	hyper	CG	0.0457
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Gm18	35848690	35849256	Gmdrm	hyper	CG	0.0467
Gm18	35904348	35905298	Gmdrm	hyper	CG	0.0407
Gm18	35978977	35979158	Gmdrm	hyper	CG	0.645
Gm18	36174485	36174761	Gmdrm	hyper	CG	0.1009
Gm18	36196249	36196418	Gmdrm	hyper	CG	0.04
Gm18	36269201	36269418	Gmdrm	hyper	CG	0.0691
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Gm18	36340785	36341368	Gmdrm	hyper	CG	0.0218
Gm18	36580164	36580187	Gmdrm	hyper	CG	0.037
Gm18	36799746	36799825	Gmdrm	hyper	CG	0.1267
Gm18	36928654	36928744	Gmdrm	hyper	CG	0.0387
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Gm18	37698707	37698742	Gmdrm	hyper	CG	0.0637
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Gm18	38503224	38503405	Gmdrm	hyper	CG	0.4337
Gm18	38621507	38621536	Gmdrm	hyper	CG	0.04
Gm18	38766988	38767228	Gmdrm	hyper	CG	0.0293
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Gm18	38902294	38902517	Gmdrm	hyper	CG	0.0556
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Gm18	40233182	40233362	Gmdrm	hyper	CG	0.0683
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Gm18	40345213	40345330	Gmdrm	hyper	CG	0.0429
Gm18	40531154	40531241	Gmdrm	hyper	CG	0.195
Gm18	40536900	40537391	Gmdrm	hyper	CG	0.0303
Gm18	40554181	40554829	Gmdrm	hyper	CG	0.0324
Gm18	40565354	40565401	Gmdrm	hyper	CG	0.5372
Gm18	40569302	40569496	Gmdrm	hyper	CG	0.0515
Gm18	40632635	40632664	Gmdrm	hyper	CG	0.156
Gm18	40704146	40704330	Gmdrm	hyper	CG	0.0766
Gm18	40809695	40809892	Gmdrm	hyper	CG	0.0567
Gm18	40896480	40896595	Gmdrm	hyper	CG	0.0533
Gm18	41010316	41010917	Gmdrm	hyper	CG	0.029
Gm18	41095999	41096030	Gmdrm	hyper	CG	0.0433
Gm18	41177084	41177129	Gmdrm	hyper	CG	0.2444
Gm18	41196401	41197272	Gmdrm	hyper	CG	0.0342
Gm18	41202787	41202984	Gmdrm	hyper	CG	0.0622
Gm18	41373144	41373260	Gmdrm	hyper	CG	0.0816
Gm18	41441497	41441718	Gmdrm	hyper	CG	0.0609
Gm18	41637046	41637494	Gmdrm	hyper	CG	0.0215

Gm18	41738842	41739249	Gmdrm	hyper	CG	0.4581
Gm18	41772286	41772533	Gmdrm	hyper	CG	0.0479
Gm18	41879410	41880224	Gmdrm	hyper	CG	0.0402
Gm18	41948142	41949013	Gmdrm	hyper	CG	0.2761
Gm18	42197209	42197386	Gmdrm	hyper	CG	0.0314
Gm18	42381036	42381232	Gmdrm	hyper	CG	0.0233
Gm18	42408491	42408858	Gmdrm	hyper	CG	0.0529
Gm18	42858835	42859326	Gmdrm	hyper	CG	0.0962
Gm18	43155634	43155726	Gmdrm	hyper	CG	0.1089
Gm18	43348908	43349397	Gmdrm	hyper	CG	0.0724
Gm18	43436208	43436373	Gmdrm	hyper	CG	0.0862
Gm18	43454390	43454490	Gmdrm	hyper	CG	0.0444
Gm18	43522924	43523032	Gmdrm	hyper	CG	0.0736
Gm18	43932172	43932239	Gmdrm	hyper	CG	0.0529
Gm18	43951094	43951459	Gmdrm	hyper	CG	0.0723
Gm18	43963836	43964263	Gmdrm	hyper	CG	0.03
Gm18	44017395	44017768	Gmdrm	hyper	CG	0.0335
Gm18	44065721	44065794	Gmdrm	hyper	CG	0.0771
Gm18	44067101	44067176	Gmdrm	hyper	CG	0.0691
Gm18	44120534	44120665	Gmdrm	hyper	CG	0.042
Gm18	44295893	44295986	Gmdrm	hyper	CG	0.4508
Gm18	44330494	44330689	Gmdrm	hyper	CG	0.0425
Gm18	44673430	44673533	Gmdrm	hyper	CG	0.0949
Gm18	44795568	44795753	Gmdrm	hyper	CG	0.0654
Gm18	44815165	44815266	Gmdrm	hyper	CG	0.0483
Gm18	44880741	44880864	Gmdrm	hyper	CG	0.4054
Gm18	44900995	44901289	Gmdrm	hyper	CG	0.2836
Gm18	45008330	45009183	Gmdrm	hyper	CG	0.0254
Gm18	45181204	45181978	Gmdrm	hyper	CG	0.0265
Gm18	45183992	45184944	Gmdrm	hyper	CG	0.0335
Gm18	45203547	45203993	Gmdrm	hyper	CG	0.0293
Gm18	45285865	45286119	Gmdrm	hyper	CG	0.1076
Gm18	45366717	45366897	Gmdrm	hyper	CG	0.0571
Gm18	45404295	45404602	Gmdrm	hyper	CG	0.0372
Gm18	45419016	45419106	Gmdrm	hyper	CG	0.1533
Gm18	45481113	45481123	Gmdrm	hyper	CG	0.425
Gm18	45726908	45727241	Gmdrm	hyper	CG	0.1367
Gm18	45745762	45745872	Gmdrm	hyper	CG	0.0544
Gm18	45750542	45751102	Gmdrm	hyper	CG	0.0374
Gm18	45975375	45975620	Gmdrm	hyper	CG	0.0318
Gm18	45995437	45995460	Gmdrm	hyper	CG	0.056
Gm18	46009051	46009169	Gmdrm	hyper	CG	0.065
Gm18	46073720	46073832	Gmdrm	hyper	CG	0.046
Gm18	46113214	46113246	Gmdrm	hyper	CG	0.0983
Gm18	46234678	46235646	Gmdrm	hyper	CG	0.0346
Gm18	46291406	46291451	Gmdrm	hyper	CG	0.5967

Gm18	46351117	46351439	Gmdrm	hyper	CG	0.0287
Gm18	46377819	46378018	Gmdrm	hyper	CG	0.0457
Gm18	46437872	46437905	Gmdrm	hyper	CG	0.0375
Gm18	46697879	46697993	Gmdrm	hyper	CG	0.037
Gm18	46778521	46778653	Gmdrm	hyper	CG	0.0463
Gm18	47026766	47027041	Gmdrm	hyper	CG	0.06
Gm18	47038925	47039117	Gmdrm	hyper	CG	0.048
Gm18	47154407	47154570	Gmdrm	hyper	CG	0.1133
Gm18	47185155	47185252	Gmdrm	hyper	CG	0.9183
Gm18	47192199	47192521	Gmdrm	hyper	CG	0.0333
Gm18	47216554	47216663	Gmdrm	hyper	CG	0.065
Gm18	47292463	47292488	Gmdrm	hyper	CG	0.036
Gm18	47299424	47299583	Gmdrm	hyper	CG	0.036
Gm18	47373334	47373438	Gmdrm	hyper	CG	0.056
Gm18	47444885	47445088	Gmdrm	hyper	CG	0.0457
Gm18	47461577	47461657	Gmdrm	hyper	CG	0.034
Gm18	47671695	47671764	Gmdrm	hyper	CG	0.0467
Gm18	47740553	47740711	Gmdrm	hyper	CG	0.0463
Gm18	47906047	47906124	Gmdrm	hyper	CG	0.045
Gm18	47972300	47973271	Gmdrm	hyper	CG	0.0183
Gm18	48026896	48027893	Gmdrm	hyper	CG	0.0378
Gm18	48105029	48105195	Gmdrm	hyper	CG	0.055
Gm18	48207817	48207887	Gmdrm	hyper	CG	0.716
Gm18	48208232	48208280	Gmdrm	hyper	CG	0.65
Gm18	48275608	48275832	Gmdrm	hyper	CG	0.0417
Gm18	48299743	48300332	Gmdrm	hyper	CG	0.0369
Gm18	48526634	48526943	Gmdrm	hyper	CG	0.1822
Gm18	48537786	48538182	Gmdrm	hyper	CG	0.0307
Gm18	48754216	48754464	Gmdrm	hyper	CG	0.0197
Gm18	48885944	48886124	Gmdrm	hyper	CG	0.8913
Gm18	48952515	48952630	Gmdrm	hyper	CG	0.0529
Gm18	49075149	49076139	Gmdrm	hyper	CG	0.028
Gm18	49119683	49119873	Gmdrm	hyper	CG	0.0641
Gm18	49183701	49183899	Gmdrm	hyper	CG	0.0364
Gm18	49217726	49217918	Gmdrm	hyper	CG	0.05
Gm18	49395011	49395109	Gmdrm	hyper	CG	0.0684
Gm18	49406471	49406501	Gmdrm	hyper	CG	0.0567
Gm18	49475745	49475884	Gmdrm	hyper	CG	0.0638
Gm18	49478899	49479221	Gmdrm	hyper	CG	0.0446
Gm18	49649352	49649499	Gmdrm	hyper	CG	0.075
Gm18	49650707	49651015	Gmdrm	hyper	CG	0.04
Gm18	49816777	49816933	Gmdrm	hyper	CG	0.3733
Gm18	49845449	49845608	Gmdrm	hyper	CG	0.0737
Gm18	49888392	49888578	Gmdrm	hyper	CG	0.035
Gm18	50064033	50064321	Gmdrm	hyper	CG	0.0455
Gm18	50122176	50122332	Gmdrm	hyper	CG	0.0413

Gm18	50234485	50234537	Gmdrm	hyper	CG	0.0767
Gm18	50638838	50638920	Gmdrm	hyper	CG	0.3466
Gm18	50751047	50751180	Gmdrm	hyper	CG	0.0677
Gm18	50789317	50789341	Gmdrm	hyper	CG	0.9733
Gm18	50794734	50794740	Gmdrm	hyper	CG	0.7333
Gm18	50977001	50977218	Gmdrm	hyper	CG	0.0486
Gm18	51211180	51211269	Gmdrm	hyper	CG	0.49
Gm18	51218678	51218818	Gmdrm	hyper	CG	0.05
Gm18	51442567	51442742	Gmdrm	hyper	CG	0.5844
Gm18	51735298	51735522	Gmdrm	hyper	CG	0.2863
Gm18	51878058	51878116	Gmdrm	hyper	CG	0.065
Gm18	51908026	51908164	Gmdrm	hyper	CG	0.024
Gm18	51969731	51969822	Gmdrm	hyper	CG	0.115
Gm18	51994784	51994896	Gmdrm	hyper	CG	0.095
Gm18	52149566	52149707	Gmdrm	hyper	CG	0.515
Gm18	52261681	52261745	Gmdrm	hyper	CG	0.8286
Gm18	52334732	52334774	Gmdrm	hyper	CG	0.9738
Gm18	52353643	52353771	Gmdrm	hyper	CG	0.0444
Gm18	52760555	52761075	Gmdrm	hyper	CG	0.0277
Gm18	52890870	52890915	Gmdrm	hyper	CG	0.4638
Gm18	53018282	53018330	Gmdrm	hyper	CG	0.986
Gm18	53158028	53158195	Gmdrm	hyper	CG	0.0467
Gm18	53210517	53210766	Gmdrm	hyper	CG	0.0308
Gm18	53313848	53314100	Gmdrm	hyper	CG	0.0274
Gm18	53383218	53383434	Gmdrm	hyper	CG	0.4567
Gm18	53436530	53436558	Gmdrm	hyper	CG	0.885
Gm18	53437148	53437308	Gmdrm	hyper	CG	0.655
Gm18	53466521	53466604	Gmdrm	hyper	CG	0.792
Gm18	53647586	53647706	Gmdrm	hyper	CG	0.048
Gm18	53705267	53705339	Gmdrm	hyper	CG	0.741
Gm18	53705534	53705630	Gmdrm	hyper	CG	0.086
Gm18	53823173	53823430	Gmdrm	hyper	CG	0.1068
Gm18	53862262	53862302	Gmdrm	hyper	CG	0.558
Gm18	53974081	53974259	Gmdrm	hyper	CG	0.2008
Gm18	54026175	54026338	Gmdrm	hyper	CG	0.098
Gm18	54135680	54135913	Gmdrm	hyper	CG	0.0677
Gm18	54430175	54430214	Gmdrm	hyper	CG	0.642
Gm18	54900301	54900369	Gmdrm	hyper	CG	0.762
Gm18	54900485	54900539	Gmdrm	hyper	CG	0.9917
Gm18	55156753	55156831	Gmdrm	hyper	CG	0.054
Gm18	55212812	55213013	Gmdrm	hyper	CG	0.5373
Gm18	55365513	55365672	Gmdrm	hyper	CG	0.3743
Gm18	55706944	55706962	Gmdrm	hyper	CG	0.4916
Gm18	55707115	55707202	Gmdrm	hyper	CG	0.6188
Gm18	55740505	55740541	Gmdrm	hyper	CG	0.485
Gm18	55741693	55742033	Gmdrm	hyper	CG	0.3744

Gm18	55742889	55743346	Gmdrm	hyper	CG	0.2796
Gm18	55758099	55758192	Gmdrm	hyper	CG	0.4136
Gm18	55791189	55791198	Gmdrm	hyper	CG	0.155
Gm18	56190325	56190566	Gmdrm	hyper	CG	0.14
Gm18	56378293	56378484	Gmdrm	hyper	CG	0.4458
Gm18	56389337	56389572	Gmdrm	hyper	CG	0.055
Gm18	56478758	56478786	Gmdrm	hyper	CG	0.545
Gm18	56517268	56517540	Gmdrm	hyper	CG	0.0609
Gm18	56659306	56659701	Gmdrm	hyper	CG	0.03
Gm18	56747163	56747313	Gmdrm	hyper	CG	0.062
Gm18	56822637	56822654	Gmdrm	hyper	CG	0.7933
Gm18	56865854	56865973	Gmdrm	hyper	CG	0.0517
Gm18	56977057	56977140	Gmdrm	hyper	CG	0.3747
Gm18	57018856	57018963	Gmdrm	hyper	CG	0.4529
Gm18	57042160	57042239	Gmdrm	hyper	CG	0.064
Gm18	57049794	57049871	Gmdrm	hyper	CG	0.042
Gm18	57264714	57265016	Gmdrm	hyper	CG	0.0422
Gm18	57461795	57461905	Gmdrm	hyper	CG	0.1375
Gm18	57555194	57555570	Gmdrm	hyper	CG	0.037
Gm18	57783118	57783210	Gmdrm	hyper	CG	0.078
Gm18	57816654	57817100	Gmdrm	hyper	CG	0.0488
Gm18	57852277	57852467	Gmdrm	hyper	CG	0.56
Gm18_scaffol	68497	68760	Gmdrm	hyper	CG	0.0576
Gm19	129408	129542	Gmdrm	hyper	CG	0.054
Gm19	135304	135525	Gmdrm	hyper	CG	0.2964
Gm19	150690	150968	Gmdrm	hyper	CG	0.064
Gm19	472220	472299	Gmdrm	hyper	CG	0.396
Gm19	601903	602190	Gmdrm	hyper	CG	0.025
Gm19	742016	742150	Gmdrm	hyper	CG	0.0792
Gm19	882401	882538	Gmdrm	hyper	CG	0.054
Gm19	938922	939134	Gmdrm	hyper	CG	0.0583
Gm19	956090	956249	Gmdrm	hyper	CG	0.7416
Gm19	1043926	1044038	Gmdrm	hyper	CG	0.8667
Gm19	1194593	1194736	Gmdrm	hyper	CG	0.0777
Gm19	1392003	1392052	Gmdrm	hyper	CG	0.4616
Gm19	2013857	2013948	Gmdrm	hyper	CG	0.6
Gm19	2135174	2135320	Gmdrm	hyper	CG	0.0938
Gm19	2138937	2138968	Gmdrm	hyper	CG	0.4666
Gm19	2186123	2186251	Gmdrm	hyper	CG	0.052
Gm19	2380538	2380821	Gmdrm	hyper	CG	0.0787
Gm19	2402400	2402517	Gmdrm	hyper	CG	0.09
Gm19	2418121	2418150	Gmdrm	hyper	CG	0.06
Gm19	2444115	2444169	Gmdrm	hyper	CG	0.0777
Gm19	2568626	2568698	Gmdrm	hyper	CG	0.7883
Gm19	2585111	2585299	Gmdrm	hyper	CG	0.6687
Gm19	2696290	2696621	Gmdrm	hyper	CG	0.0309

Gm19	2716569	2716687	Gmdrm	hyper	CG	0.95
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Gm19	2781195	2781488	Gmdrm	hyper	CG	0.0559
Gm19	2820812	2820857	Gmdrm	hyper	CG	0.73
Gm19	2829462	2829787	Gmdrm	hyper	CG	0.0577
Gm19	3339597	3339716	Gmdrm	hyper	CG	0.3136
Gm19	3674024	3674247	Gmdrm	hyper	CG	0.023
Gm19	3704455	3704661	Gmdrm	hyper	CG	0.0606
Gm19	3714913	3714938	Gmdrm	hyper	CG	0.975
Gm19	3740045	3740172	Gmdrm	hyper	CG	0.416
Gm19	3864708	3865029	Gmdrm	hyper	CG	0.0337
Gm19	4337002	4337108	Gmdrm	hyper	CG	0.9588
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Gm19	4602822	4602972	Gmdrm	hyper	CG	0.0537
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Gm19	5113476	5113500	Gmdrm	hyper	CG	0.5483
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Gm19	5487649	5487764	Gmdrm	hyper	CG	0.0457
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Gm19	5682327	5682441	Gmdrm	hyper	CG	0.1217
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Gm19	5852804	5852964	Gmdrm	hyper	CG	0.0417
Gm19	5987227	5987518	Gmdrm	hyper	CG	0.0405
Gm19	5995841	5995943	Gmdrm	hyper	CG	0.8272
Gm19	6027410	6027507	Gmdrm	hyper	CG	0.4062
Gm19	6046832	6046920	Gmdrm	hyper	CG	0.8684
Gm19	6168111	6168232	Gmdrm	hyper	CG	0.0663
Gm19	6253195	6253296	Gmdrm	hyper	CG	0.0383
Gm19	6349522	6349849	Gmdrm	hyper	CG	0.0464
Gm19	6673693	6673802	Gmdrm	hyper	CG	0.0475
Gm19	6728929	6729056	Gmdrm	hyper	CG	0.32
Gm19	6954514	6954653	Gmdrm	hyper	CG	0.0235
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Gm19	7292295	7292443	Gmdrm	hyper	CG	0.0833
Gm19	7340678	7341427	Gmdrm	hyper	CG	0.0472
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Gm19	7710682	7710850	Gmdrm	hyper	CG	0.0636
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Gm19	8480095	8480358	Gmdrm	hyper	CG	0.0365
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Gm19	8518619	8518858	Gmdrm	hyper	CG	0.3535
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Gm19	8824505	8824618	Gmdrm	hyper	CG	0.046
Gm19	8828683	8828704	Gmdrm	hyper	CG	0.7084
Gm19	8952062	8952543	Gmdrm	hyper	CG	0.0233
Gm19	9061566	9061745	Gmdrm	hyper	CG	0.045
Gm19	9120581	9120703	Gmdrm	hyper	CG	0.3967
Gm19	9155853	9155917	Gmdrm	hyper	CG	0.712
Gm19	9199233	9199333	Gmdrm	hyper	CG	0.6628
Gm19	9225732	9225929	Gmdrm	hyper	CG	0.145
Gm19	9428196	9428286	Gmdrm	hyper	CG	0.1111
Gm19	9487491	9487609	Gmdrm	hyper	CG	0.0582
Gm19	9565303	9565480	Gmdrm	hyper	CG	0.0583
Gm19	9580166	9580239	Gmdrm	hyper	CG	0.3344
Gm19	9682946	9683099	Gmdrm	hyper	CG	0.065
Gm19	9725666	9725811	Gmdrm	hyper	CG	0.5014
Gm19	9753353	9753570	Gmdrm	hyper	CG	0.08
Gm19	9914671	9914866	Gmdrm	hyper	CG	0.0484
Gm19	9981333	9981490	Gmdrm	hyper	CG	0.0435
Gm19	10318099	10318261	Gmdrm	hyper	CG	0.0631
Gm19	10334525	10334927	Gmdrm	hyper	CG	0.0637
Gm19	10532819	10533051	Gmdrm	hyper	CG	0.3923
Gm19	10685378	10685693	Gmdrm	hyper	CG	0.0481
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Gm19	10743998	10744179	Gmdrm	hyper	CG	0.0958
Gm19	11022443	11022629	Gmdrm	hyper	CG	0.035
Gm19	11068942	11069006	Gmdrm	hyper	CG	0.0314
Gm19	11653027	11653270	Gmdrm	hyper	CG	0.0866
Gm19	11685777	11685803	Gmdrm	hyper	CG	0.7133
Gm19	11912361	11912608	Gmdrm	hyper	CG	0.0592
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Gm19	12032191	12032337	Gmdrm	hyper	CG	0.0589
Gm19	12106690	12106719	Gmdrm	hyper	CG	0.2
Gm19	12258451	12258706	Gmdrm	hyper	CG	0.0543
Gm19	12259555	12259590	Gmdrm	hyper	CG	0.061
Gm19	12379879	12380032	Gmdrm	hyper	CG	0.0586
Gm19	12474218	12474383	Gmdrm	hyper	CG	0.0259
Gm19	12482427	12482809	Gmdrm	hyper	CG	0.0245
Gm19	12499823	12500261	Gmdrm	hyper	CG	0.0938
Gm19	12566230	12566297	Gmdrm	hyper	CG	0.045
Gm19	12566681	12566822	Gmdrm	hyper	CG	0.0572
Gm19	12583610	12583718	Gmdrm	hyper	CG	0.0456
Gm19	12611575	12612561	Gmdrm	hyper	CG	0.0249
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Gm19	12801569	12801857	Gmdrm	hyper	CG	0.0521
Gm19	12884376	12884657	Gmdrm	hyper	CG	0.0342
Gm19	12930658	12930889	Gmdrm	hyper	CG	0.0725
Gm19	13048971	13049386	Gmdrm	hyper	CG	0.0322
Gm19	13636699	13637325	Gmdrm	hyper	CG	0.2847
Gm19	13746791	13746870	Gmdrm	hyper	CG	0.0716
Gm19	13821499	13821944	Gmdrm	hyper	CG	0.0361
Gm19	13844257	13844561	Gmdrm	hyper	CG	0.0413
Gm19	13927772	13928760	Gmdrm	hyper	CG	0.0331
Gm19	14049048	14050009	Gmdrm	hyper	CG	0.0636
Gm19	14074778	14075622	Gmdrm	hyper	CG	0.0538
Gm19	14094860	14094893	Gmdrm	hyper	CG	0.1083
Gm19	14107245	14107441	Gmdrm	hyper	CG	0.0319
Gm19	14275716	14275915	Gmdrm	hyper	CG	0.095
Gm19	14499811	14500006	Gmdrm	hyper	CG	0.1187
Gm19	14557176	14557396	Gmdrm	hyper	CG	0.1021
Gm19	14799275	14799341	Gmdrm	hyper	CG	0.1022
Gm19	14907647	14907762	Gmdrm	hyper	CG	0.124
Gm19	14972656	14973026	Gmdrm	hyper	CG	0.0504
Gm19	15013251	15013649	Gmdrm	hyper	CG	0.062
Gm19	15303256	15303506	Gmdrm	hyper	CG	0.0455
Gm19	15370867	15371016	Gmdrm	hyper	CG	0.0444
Gm19	15396208	15396229	Gmdrm	hyper	CG	0.0883
Gm19	15641897	15642014	Gmdrm	hyper	CG	0.0358
Gm19	15684341	15684693	Gmdrm	hyper	CG	0.11
Gm19	15728280	15728567	Gmdrm	hyper	CG	0.0444
Gm19	15869719	15869912	Gmdrm	hyper	CG	0.0425
Gm19	15970164	15971162	Gmdrm	hyper	CG	0.047
Gm19	16206089	16207078	Gmdrm	hyper	CG	0.0325
Gm19	16224862	16225847	Gmdrm	hyper	CG	0.0421
Gm19	16326826	16327145	Gmdrm	hyper	CG	0.0395
Gm19	16413616	16414066	Gmdrm	hyper	CG	0.045
Gm19	16481818	16482122	Gmdrm	hyper	CG	0.0239

Gm19	16499136	16499174	Gmdrm	hyper	CG	0.658
Gm19	16588778	16589045	Gmdrm	hyper	CG	0.1178
Gm19	16609136	16609269	Gmdrm	hyper	CG	0.0557
Gm19	16836176	16836357	Gmdrm	hyper	CG	0.0314
Gm19	16880639	16880899	Gmdrm	hyper	CG	0.042
Gm19	16881162	16882155	Gmdrm	hyper	CG	0.0242
Gm19	16898331	16898706	Gmdrm	hyper	CG	0.0346
Gm19	16905893	16906863	Gmdrm	hyper	CG	0.0193
Gm19	17584584	17584784	Gmdrm	hyper	CG	0.0763
Gm19	17607740	17607770	Gmdrm	hyper	CG	0.0486
Gm19	17632636	17632708	Gmdrm	hyper	CG	0.1011
Gm19	17790898	17791080	Gmdrm	hyper	CG	0.0594
Gm19	17841732	17841936	Gmdrm	hyper	CG	0.0447
Gm19	18031839	18032816	Gmdrm	hyper	CG	0.0231
Gm19	18176127	18176332	Gmdrm	hyper	CG	0.0335
Gm19	18190140	18190607	Gmdrm	hyper	CG	0.0378
Gm19	18195147	18195422	Gmdrm	hyper	CG	0.0464
Gm19	18245470	18245566	Gmdrm	hyper	CG	0.0943
Gm19	18353836	18353943	Gmdrm	hyper	CG	0.0769
Gm19	18369109	18369317	Gmdrm	hyper	CG	0.1078
Gm19	18592114	18592403	Gmdrm	hyper	CG	0.0343
Gm19	18697709	18697769	Gmdrm	hyper	CG	0.0887
Gm19	18703607	18703672	Gmdrm	hyper	CG	0.201
Gm19	18710460	18710552	Gmdrm	hyper	CG	0.1133
Gm19	18797228	18797590	Gmdrm	hyper	CG	0.1146
Gm19	18959759	18960063	Gmdrm	hyper	CG	0.0409
Gm19	19104588	19104642	Gmdrm	hyper	CG	0.048
Gm19	19257112	19257510	Gmdrm	hyper	CG	0.0673
Gm19	19316020	19316260	Gmdrm	hyper	CG	0.0667
Gm19	19362535	19362815	Gmdrm	hyper	CG	0.067
Gm19	19374180	19374410	Gmdrm	hyper	CG	0.0531
Gm19	19505085	19506051	Gmdrm	hyper	CG	0.0319
Gm19	19541919	19542020	Gmdrm	hyper	CG	0.0986
Gm19	19819323	19819521	Gmdrm	hyper	CG	0.0609
Gm19	19845337	19845534	Gmdrm	hyper	CG	0.0603
Gm19	19873210	19873718	Gmdrm	hyper	CG	0.0326
Gm19	19952741	19953184	Gmdrm	hyper	CG	0.0728
Gm19	19959627	19959781	Gmdrm	hyper	CG	0.104
Gm19	20264809	20265035	Gmdrm	hyper	CG	0.0329
Gm19	20331954	20332304	Gmdrm	hyper	CG	0.1013
Gm19	20333008	20333564	Gmdrm	hyper	CG	0.0379
Gm19	20446663	20446903	Gmdrm	hyper	CG	0.05
Gm19	20497993	20498762	Gmdrm	hyper	CG	0.0442
Gm19	20568629	20568663	Gmdrm	hyper	CG	0.1571
Gm19	20572744	20572862	Gmdrm	hyper	CG	0.0793
Gm19	20673981	20674265	Gmdrm	hyper	CG	0.046

Gm19	20691697	20692258	Gmdrm	hyper	CG	0.0336
Gm19	20712345	20713059	Gmdrm	hyper	CG	0.0339
Gm19	20866837	20867423	Gmdrm	hyper	CG	0.0323
Gm19	20909320	20909498	Gmdrm	hyper	CG	0.0583
Gm19	21032136	21032279	Gmdrm	hyper	CG	0.1667
Gm19	21054408	21054493	Gmdrm	hyper	CG	0.1517
Gm19	21343625	21344149	Gmdrm	hyper	CG	0.0609
Gm19	21395011	21395239	Gmdrm	hyper	CG	0.0556
Gm19	21486175	21486245	Gmdrm	hyper	CG	0.108
Gm19	21535792	21536421	Gmdrm	hyper	CG	0.0283
Gm19	21638882	21638967	Gmdrm	hyper	CG	0.1488
Gm19	21889427	21889536	Gmdrm	hyper	CG	0.126
Gm19	21913300	21913605	Gmdrm	hyper	CG	0.1218
Gm19	21968230	21968414	Gmdrm	hyper	CG	0.1418
Gm19	22115676	22116215	Gmdrm	hyper	CG	0.0315
Gm19	22299649	22299888	Gmdrm	hyper	CG	0.1191
Gm19	22350312	22350657	Gmdrm	hyper	CG	0.0359
Gm19	22499600	22499681	Gmdrm	hyper	CG	0.0614
Gm19	22500605	22500890	Gmdrm	hyper	CG	0.1207
Gm19	22523960	22524145	Gmdrm	hyper	CG	0.0791
Gm19	22554253	22554765	Gmdrm	hyper	CG	0.0466
Gm19	22592876	22593163	Gmdrm	hyper	CG	0.0539
Gm19	22811123	22811522	Gmdrm	hyper	CG	0.0304
Gm19	22922877	22922897	Gmdrm	hyper	CG	0.0533
Gm19	23019373	23019461	Gmdrm	hyper	CG	0.0533
Gm19	23145598	23145810	Gmdrm	hyper	CG	0.4675
Gm19	23214362	23215354	Gmdrm	hyper	CG	0.0208
Gm19	23297576	23298007	Gmdrm	hyper	CG	0.0415
Gm19	23311145	23311632	Gmdrm	hyper	CG	0.066
Gm19	23378393	23378493	Gmdrm	hyper	CG	0.0366
Gm19	23489906	23490158	Gmdrm	hyper	CG	0.0736
Gm19	23502564	23503557	Gmdrm	hyper	CG	0.0477
Gm19	23515277	23516186	Gmdrm	hyper	CG	0.0613
Gm19	23516298	23516553	Gmdrm	hyper	CG	0.0479
Gm19	23862073	23862426	Gmdrm	hyper	CG	0.049
Gm19	23980163	23980281	Gmdrm	hyper	CG	0.1533
Gm19	24051592	24051709	Gmdrm	hyper	CG	0.1214
Gm19	24065556	24065819	Gmdrm	hyper	CG	0.0867
Gm19	24068112	24069105	Gmdrm	hyper	CG	0.0222
Gm19	24079282	24080249	Gmdrm	hyper	CG	0.015
Gm19	24131616	24131728	Gmdrm	hyper	CG	0.616
Gm19	24361256	24361595	Gmdrm	hyper	CG	0.0585
Gm19	24573400	24573573	Gmdrm	hyper	CG	0.2629
Gm19	24662637	24662861	Gmdrm	hyper	CG	0.0257
Gm19	24723275	24723471	Gmdrm	hyper	CG	0.021
Gm19	24750862	24750932	Gmdrm	hyper	CG	0.0356

Gm19	24819797	24820761	Gmdrm	hyper	CG	0.033
Gm19	24834748	24835067	Gmdrm	hyper	CG	0.0317
Gm19	24859051	24859182	Gmdrm	hyper	CG	0.0833
Gm19	24870869	24870909	Gmdrm	hyper	CG	0.0537
Gm19	24897018	24897199	Gmdrm	hyper	CG	0.0357
Gm19	24954935	24955908	Gmdrm	hyper	CG	0.0326
Gm19	25005378	25005558	Gmdrm	hyper	CG	0.0783
Gm19	25018783	25019115	Gmdrm	hyper	CG	0.1106
Gm19	25019634	25019767	Gmdrm	hyper	CG	0.1209
Gm19	25097375	25097760	Gmdrm	hyper	CG	0.0637
Gm19	25208183	25208719	Gmdrm	hyper	CG	0.0298
Gm19	25289494	25289611	Gmdrm	hyper	CG	0.08
Gm19	25336832	25337162	Gmdrm	hyper	CG	0.0681
Gm19	25582228	25582530	Gmdrm	hyper	CG	0.0371
Gm19	25653334	25653494	Gmdrm	hyper	CG	0.1555
Gm19	25677643	25677811	Gmdrm	hyper	CG	0.1125
Gm19	25686859	25687332	Gmdrm	hyper	CG	0.0416
Gm19	25826914	25826949	Gmdrm	hyper	CG	0.048
Gm19	25853088	25853376	Gmdrm	hyper	CG	0.1322
Gm19	25873389	25873703	Gmdrm	hyper	CG	0.0823
Gm19	25913967	25914956	Gmdrm	hyper	CG	0.0461
Gm19	25916235	25916905	Gmdrm	hyper	CG	0.0506
Gm19	25920573	25920609	Gmdrm	hyper	CG	0.1011
Gm19	25959107	25959854	Gmdrm	hyper	CG	0.0458
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Gm19	26014955	26015355	Gmdrm	hyper	CG	0.0326
Gm19	26054336	26054593	Gmdrm	hyper	CG	0.0906
Gm19	26061272	26062044	Gmdrm	hyper	CG	0.0412
Gm19	26126990	26127084	Gmdrm	hyper	CG	0.0592
Gm19	26151485	26151577	Gmdrm	hyper	CG	0.054
Gm19	26156629	26156798	Gmdrm	hyper	CG	0.0938
Gm19	26170819	26171745	Gmdrm	hyper	CG	0.2614
Gm19	26240233	26240824	Gmdrm	hyper	CG	0.0341
Gm19	26315956	26316369	Gmdrm	hyper	CG	0.0582
Gm19	26353519	26354049	Gmdrm	hyper	CG	0.039
Gm19	26372597	26372972	Gmdrm	hyper	CG	0.0471
Gm19	26406930	26407241	Gmdrm	hyper	CG	0.1582
Gm19	26479450	26479643	Gmdrm	hyper	CG	0.0644
Gm19	26523017	26523349	Gmdrm	hyper	CG	0.05
Gm19	26555610	26555703	Gmdrm	hyper	CG	0.0483
Gm19	26726896	26727125	Gmdrm	hyper	CG	0.074
Gm19	26800458	26800589	Gmdrm	hyper	CG	0.0757
Gm19	26807465	26807602	Gmdrm	hyper	CG	0.068
Gm19	26808998	26809159	Gmdrm	hyper	CG	0.0633
Gm19	26816346	26816491	Gmdrm	hyper	CG	0.0771
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Gm19	26911868	26912045	Gmdrm	hyper	CG	0.065
Gm19	26992587	26993267	Gmdrm	hyper	CG	0.0409
Gm19	27030643	27030903	Gmdrm	hyper	CG	0.0805
Gm19	27056142	27056177	Gmdrm	hyper	CG	0.046
Gm19	27095445	27096172	Gmdrm	hyper	CG	0.0429
Gm19	27292809	27293008	Gmdrm	hyper	CG	0.0894
Gm19	27368558	27368845	Gmdrm	hyper	CG	0.0471
Gm19	27465594	27466024	Gmdrm	hyper	CG	0.0489
Gm19	27532554	27532748	Gmdrm	hyper	CG	0.319
Gm19	27562976	27563050	Gmdrm	hyper	CG	0.42
Gm19	27568434	27568617	Gmdrm	hyper	CG	0.0258
Gm19	27578160	27578278	Gmdrm	hyper	CG	0.0508
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Gm19	27782868	27782967	Gmdrm	hyper	CG	0.072
Gm19	27849343	27849446	Gmdrm	hyper	CG	0.0933
Gm19	27925699	27925736	Gmdrm	hyper	CG	0.0388
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Gm19	28086065	28086178	Gmdrm	hyper	CG	0.04
Gm19	28136574	28137380	Gmdrm	hyper	CG	0.0297
Gm19	28291168	28291261	Gmdrm	hyper	CG	0.075
Gm19	28293225	28293286	Gmdrm	hyper	CG	0.0363
Gm19	28447051	28447186	Gmdrm	hyper	CG	0.717
Gm19	28584183	28584402	Gmdrm	hyper	CG	0.0679
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Gm19	29039166	29039613	Gmdrm	hyper	CG	0.0352
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Gm19	29143076	29143191	Gmdrm	hyper	CG	0.045
Gm19	29553118	29553150	Gmdrm	hyper	CG	0.6925
Gm19	29703378	29703834	Gmdrm	hyper	CG	0.085
Gm19	29720988	29721314	Gmdrm	hyper	CG	0.0482
Gm19	29746649	29746952	Gmdrm	hyper	CG	0.0497
Gm19	30058814	30058947	Gmdrm	hyper	CG	0.056
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Gm19	30238942	30239047	Gmdrm	hyper	CG	0.9833
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Gm19	31276529	31276621	Gmdrm	hyper	CG	0.6675
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Gm19	32305538	32305617	Gmdrm	hyper	CG	0.0732
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Gm19	32444328	32444489	Gmdrm	hyper	CG	0.058
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Gm19	32586575	32586625	Gmdrm	hyper	CG	0.0283
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Gm19	32893185	32893225	Gmdrm	hyper	CG	0.0757
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Gm19	34878789	34879312	Gmdrm	hyper	CG	0.0393
Gm19	34889236	34889354	Gmdrm	hyper	CG	0.0427
Gm19	35071904	35071957	Gmdrm	hyper	CG	0.6014
Gm19	35072189	35072230	Gmdrm	hyper	CG	0.29
Gm19	35197103	35197298	Gmdrm	hyper	CG	0.0817
Gm19	35203223	35203558	Gmdrm	hyper	CG	0.0314
Gm19	35260344	35260545	Gmdrm	hyper	CG	0.0783
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Gm19	35389422	35389609	Gmdrm	hyper	CG	0.784
Gm19	35752387	35752528	Gmdrm	hyper	CG	0.052
Gm19	35828253	35828334	Gmdrm	hyper	CG	0.965
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Gm19	36154243	36154540	Gmdrm	hyper	CG	0.083
Gm19	36587839	36588107	Gmdrm	hyper	CG	0.0438
Gm19	36600590	36600612	Gmdrm	hyper	CG	0.764
Gm19	36641352	36641624	Gmdrm	hyper	CG	0.5422
Gm19	36729731	36729777	Gmdrm	hyper	CG	0.6167
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Gm19	37272466	37272487	Gmdrm	hyper	CG	0.265
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Gm19	37416647	37416756	Gmdrm	hyper	CG	0.965
Gm19	37499043	37499412	Gmdrm	hyper	CG	0.0271
Gm19	37499941	37500341	Gmdrm	hyper	CG	0.0507
Gm19	37530834	37530858	Gmdrm	hyper	CG	0.7112
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Gm19	37922731	37922905	Gmdrm	hyper	CG	0.063
Gm19	38199333	38199675	Gmdrm	hyper	CG	0.0444
Gm19	38300729	38301291	Gmdrm	hyper	CG	0.0315
Gm19	38389533	38389697	Gmdrm	hyper	CG	0.58
Gm19	38584659	38584690	Gmdrm	hyper	CG	0.4757
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Gm19	38640504	38640679	Gmdrm	hyper	CG	0.7214
Gm19	38821979	38822301	Gmdrm	hyper	CG	0.2778
Gm19	38942276	38942332	Gmdrm	hyper	CG	0.77
Gm19	39015321	39015651	Gmdrm	hyper	CG	0.045
Gm19	39026992	39027067	Gmdrm	hyper	CG	0.51
Gm19	39295109	39295175	Gmdrm	hyper	CG	0.768
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Gm19	39401099	39401172	Gmdrm	hyper	CG	0.049

Gm19	39402985	39403247	Gmdrm	hyper	CG	0.042
Gm19	39581309	39581452	Gmdrm	hyper	CG	0.05
Gm19	39677092	39677396	Gmdrm	hyper	CG	0.0476
Gm19	40105259	40105475	Gmdrm	hyper	CG	0.0288
Gm19	40139214	40139559	Gmdrm	hyper	CG	0.0635
Gm19	40303841	40303992	Gmdrm	hyper	CG	0.6633
Gm19	40315556	40315628	Gmdrm	hyper	CG	0.6116
Gm19	40374897	40375498	Gmdrm	hyper	CG	0.3426
Gm19	40467626	40467738	Gmdrm	hyper	CG	0.725
Gm19	40504035	40504121	Gmdrm	hyper	CG	0.4154
Gm19	40529233	40529311	Gmdrm	hyper	CG	0.012
Gm19	41120180	41120319	Gmdrm	hyper	CG	0.052
Gm19	41530258	41530430	Gmdrm	hyper	CG	0.038
Gm19	41697065	41697222	Gmdrm	hyper	CG	0.1637
Gm19	41697478	41698061	Gmdrm	hyper	CG	0.1871
Gm19	41785618	41785779	Gmdrm	hyper	CG	0.0428
Gm19	41833752	41834048	Gmdrm	hyper	CG	0.515
Gm19	41922926	41923386	Gmdrm	hyper	CG	0.668
Gm19	41933111	41933193	Gmdrm	hyper	CG	0.6533
Gm19	41956521	41956628	Gmdrm	hyper	CG	0.934
Gm19	42117251	42117344	Gmdrm	hyper	CG	0.714
Gm19	42252612	42252640	Gmdrm	hyper	CG	0.95
Gm19	42392853	42393053	Gmdrm	hyper	CG	0.0688
Gm19	42606178	42606187	Gmdrm	hyper	CG	0.1433
Gm19	42640702	42640771	Gmdrm	hyper	CG	0.06
Gm19	43286814	43287779	Gmdrm	hyper	CG	0.0415
Gm19	43397396	43397468	Gmdrm	hyper	CG	0.9367
Gm19	43704491	43704665	Gmdrm	hyper	CG	0.0517
Gm19	43737211	43737370	Gmdrm	hyper	CG	0.038
Gm19	43799285	43799297	Gmdrm	hyper	CG	0.895
Gm19	43800377	43800435	Gmdrm	hyper	CG	0.9766
Gm19	43864280	43864660	Gmdrm	hyper	CG	0.0548
Gm19	43867691	43868669	Gmdrm	hyper	CG	0.0344
Gm19	44066599	44066821	Gmdrm	hyper	CG	0.044
Gm19	44222598	44222641	Gmdrm	hyper	CG	0.5971
Gm19	44223083	44223125	Gmdrm	hyper	CG	0.698
Gm19	44226444	44226535	Gmdrm	hyper	CG	0.115
Gm19	44542317	44542562	Gmdrm	hyper	CG	0.0482
Gm19	44709288	44709387	Gmdrm	hyper	CG	0.09
Gm19	44898316	44898722	Gmdrm	hyper	CG	0.3794
Gm19	44986311	44986418	Gmdrm	hyper	CG	0.0457
Gm19	44999408	44999683	Gmdrm	hyper	CG	0.3355
Gm19	45032345	45032576	Gmdrm	hyper	CG	0.0357
Gm19	45094827	45094875	Gmdrm	hyper	CG	0.676
Gm19	45310456	45310492	Gmdrm	hyper	CG	0.718
Gm19	45415691	45415802	Gmdrm	hyper	CG	0.202

Gm19	45504328	45504407	Gmdrm	hyper	CG	0.0717
Gm19	45630960	45631210	Gmdrm	hyper	CG	0.0377
Gm19	45718772	45718938	Gmdrm	hyper	CG	0.034
Gm19	45798712	45798941	Gmdrm	hyper	CG	0.0428
Gm19	45995328	45995441	Gmdrm	hyper	CG	0.088
Gm19	46061294	46061392	Gmdrm	hyper	CG	0.068
Gm19	46414587	46414670	Gmdrm	hyper	CG	0.255
Gm19	46644578	46644697	Gmdrm	hyper	CG	0.825
Gm19	46793659	46793851	Gmdrm	hyper	CG	0.0517
Gm19	46885829	46885923	Gmdrm	hyper	CG	0.3708
Gm19	47007177	47007232	Gmdrm	hyper	CG	0.7744
Gm19	47096049	47096269	Gmdrm	hyper	CG	0.3575
Gm19	47191667	47191989	Gmdrm	hyper	CG	0.4584
Gm19	47195513	47195632	Gmdrm	hyper	CG	0.4106
Gm19	47259709	47259748	Gmdrm	hyper	CG	0.1583
Gm19	47412229	47412306	Gmdrm	hyper	CG	0.054
Gm19	47441040	47441279	Gmdrm	hyper	CG	0.4648
Gm19	47582004	47582119	Gmdrm	hyper	CG	0.0614
Gm19	47608320	47608541	Gmdrm	hyper	CG	0.0343
Gm19	47649246	47649443	Gmdrm	hyper	CG	0.06
Gm19	47830682	47830698	Gmdrm	hyper	CG	0.148
Gm19	47845221	47845257	Gmdrm	hyper	CG	0.8783
Gm19	47899360	47899480	Gmdrm	hyper	CG	0.058
Gm19	47999137	47999253	Gmdrm	hyper	CG	0.0284
Gm19	48215527	48215730	Gmdrm	hyper	CG	0.0437
Gm19	48416619	48416717	Gmdrm	hyper	CG	0.6583
Gm19	48423507	48423588	Gmdrm	hyper	CG	0.072
Gm19	48464170	48464239	Gmdrm	hyper	CG	0.386
Gm19	48581766	48582047	Gmdrm	hyper	CG	0.089
Gm19	48602508	48602639	Gmdrm	hyper	CG	0.07
Gm19	48647241	48647278	Gmdrm	hyper	CG	0.8737
Gm19	48678737	48678790	Gmdrm	hyper	CG	0.6783
Gm19	48747840	48747987	Gmdrm	hyper	CG	0.04
Gm19	48835029	48835105	Gmdrm	hyper	CG	0.0583
Gm19	48849046	48849197	Gmdrm	hyper	CG	0.6185
Gm19	48876328	48876441	Gmdrm	hyper	CG	0.42
Gm19	48880917	48881158	Gmdrm	hyper	CG	0.04
Gm19	48986832	48986858	Gmdrm	hyper	CG	0.792
Gm19	49031213	49031329	Gmdrm	hyper	CG	0.5756
Gm19	49192238	49192420	Gmdrm	hyper	CG	0.0717
Gm19	49230457	49230520	Gmdrm	hyper	CG	0.4787
Gm19	49401167	49401433	Gmdrm	hyper	CG	0.2258
Gm19	49503003	49503162	Gmdrm	hyper	CG	0.038
Gm19	49772481	49772539	Gmdrm	hyper	CG	0.0563
Gm19	49860391	49860578	Gmdrm	hyper	CG	0.118
Gm19	49998634	49998705	Gmdrm	hyper	CG	0.0383

Gm19	50125409	50125622	Gmdrm	hyper	CG	0.0284
Gm19	50224387	50224420	Gmdrm	hyper	CG	0.0467
Gm19	50515440	50515649	Gmdrm	hyper	CG	0.032
Gm19	50518067	50518127	Gmdrm	hyper	CG	0.6567
Gm19	50696231	50696497	Gmdrm	hyper	CG	0.0295
Gm19	50947245	50947264	Gmdrm	hyper	CG	0.1362
Gm19	51013514	51013667	Gmdrm	hyper	CG	0.044
Gm19	51026778	51026960	Gmdrm	hyper	CG	0.056
Gm19	51082955	51083003	Gmdrm	hyper	CG	0.385
Gm19	51108906	51109067	Gmdrm	hyper	CG	0.0383
Gm19	51169459	51169700	Gmdrm	hyper	CG	0.5587
Gm19	51178425	51178455	Gmdrm	hyper	CG	0.0417
Gm19	51200742	51200877	Gmdrm	hyper	CG	0.6616
Gm19	51247675	51247793	Gmdrm	hyper	CG	0.5617
Gm19_scaffol	17533	17678	Gmdrm	hyper	CG	0.0833
Gm20	70588	70679	Gmdrm	hyper	CG	0.8855
Gm20	111957	112092	Gmdrm	hyper	CG	0.7933
Gm20	126014	126111	Gmdrm	hyper	CG	0.6633
Gm20	212316	212384	Gmdrm	hyper	CG	0.07
Gm20	238433	238477	Gmdrm	hyper	CG	0.6
Gm20	254290	254371	Gmdrm	hyper	CG	0.8483
Gm20	309640	309726	Gmdrm	hyper	CG	0.86
Gm20	426120	426656	Gmdrm	hyper	CG	0.0545
Gm20	441642	441777	Gmdrm	hyper	CG	0.7163
Gm20	542708	543032	Gmdrm	hyper	CG	0.034
Gm20	546323	546393	Gmdrm	hyper	CG	0.0566
Gm20	598196	598409	Gmdrm	hyper	CG	0.0657
Gm20	650792	650903	Gmdrm	hyper	CG	0.7629
Gm20	821461	821504	Gmdrm	hyper	CG	0.9216
Gm20	928534	928706	Gmdrm	hyper	CG	0.0517
Gm20	1063350	1063371	Gmdrm	hyper	CG	0.5675
Gm20	1252148	1252168	Gmdrm	hyper	CG	0.4233
Gm20	1284443	1284487	Gmdrm	hyper	CG	0.064
Gm20	1344655	1345391	Gmdrm	hyper	CG	0.1405
Gm20	1362304	1362399	Gmdrm	hyper	CG	0.97
Gm20	1362727	1363621	Gmdrm	hyper	CG	0.9505
Gm20	1367650	1367947	Gmdrm	hyper	CG	0.3563
Gm20	1477758	1477787	Gmdrm	hyper	CG	0.9767
Gm20	1533197	1533225	Gmdrm	hyper	CG	0.964
Gm20	1534462	1534660	Gmdrm	hyper	CG	0.7609
Gm20	1704244	1704313	Gmdrm	hyper	CG	0.925
Gm20	1754616	1755072	Gmdrm	hyper	CG	0.0425
Gm20	1994849	1995026	Gmdrm	hyper	CG	0.04
Gm20	2082587	2082687	Gmdrm	hyper	CG	0.59
Gm20	2456701	2456756	Gmdrm	hyper	CG	0.1742
Gm20	2586331	2586405	Gmdrm	hyper	CG	0.0634

Gm20	2769281	2769312	Gmdrm	hyper	CG	0.1375
Gm20	2833299	2833311	Gmdrm	hyper	CG	0.8883
Gm20	2864150	2864347	Gmdrm	hyper	CG	0.049
Gm20	2971513	2971551	Gmdrm	hyper	CG	0.7633
Gm20	3110884	3110927	Gmdrm	hyper	CG	0.055
Gm20	3125243	3125429	Gmdrm	hyper	CG	0.0343
Gm20	3181308	3181455	Gmdrm	hyper	CG	0.68
Gm20	3263101	3263505	Gmdrm	hyper	CG	0.0545
Gm20	3365877	3366063	Gmdrm	hyper	CG	0.0445
Gm20	3431692	3431837	Gmdrm	hyper	CG	0.05
Gm20	3518282	3518335	Gmdrm	hyper	CG	0.7517
Gm20	3606637	3606747	Gmdrm	hyper	CG	0.14
Gm20	3836629	3836757	Gmdrm	hyper	CG	0.034
Gm20	3859911	3859952	Gmdrm	hyper	CG	0.05
Gm20	3878797	3878825	Gmdrm	hyper	CG	0.3567
Gm20	3973680	3973776	Gmdrm	hyper	CG	0.0588
Gm20	4092159	4092175	Gmdrm	hyper	CG	0.06
Gm20	4095044	4095219	Gmdrm	hyper	CG	0.029
Gm20	4269593	4269675	Gmdrm	hyper	CG	0.0737
Gm20	4337655	4337832	Gmdrm	hyper	CG	0.095
Gm20	4508282	4508584	Gmdrm	hyper	CG	0.0525
Gm20	4617503	4617626	Gmdrm	hyper	CG	0.0817
Gm20	4674071	4674119	Gmdrm	hyper	CG	0.2633
Gm20	4690638	4690754	Gmdrm	hyper	CG	0.046
Gm20	4752374	4752997	Gmdrm	hyper	CG	0.0319
Gm20	4840021	4840237	Gmdrm	hyper	CG	0.0358
Gm20	4875863	4875944	Gmdrm	hyper	CG	0.7184
Gm20	5114594	5114810	Gmdrm	hyper	CG	0.0473
Gm20	5236229	5236381	Gmdrm	hyper	CG	0.2337
Gm20	5394832	5395044	Gmdrm	hyper	CG	0.0703
Gm20	5400873	5400892	Gmdrm	hyper	CG	0.045
Gm20	5609819	5610161	Gmdrm	hyper	CG	0.3861
Gm20	5682921	5683036	Gmdrm	hyper	CG	0.072
Gm20	5749446	5749564	Gmdrm	hyper	CG	0.0486
Gm20	5878387	5878660	Gmdrm	hyper	CG	0.1008
Gm20	5907499	5907669	Gmdrm	hyper	CG	0.05
Gm20	6083598	6083685	Gmdrm	hyper	CG	0.166
Gm20	6382544	6382611	Gmdrm	hyper	CG	0.048
Gm20	6494312	6494668	Gmdrm	hyper	CG	0.0745
Gm20	6687718	6687755	Gmdrm	hyper	CG	0.0633
Gm20	6730720	6730874	Gmdrm	hyper	CG	0.0671
Gm20	6758996	6759644	Gmdrm	hyper	CG	0.0154
Gm20	6815743	6815816	Gmdrm	hyper	CG	0.0771
Gm20	6844571	6844807	Gmdrm	hyper	CG	0.0512
Gm20	6877628	6877993	Gmdrm	hyper	CG	0.0391
Gm20	6881134	6881224	Gmdrm	hyper	CG	0.855

Gm20	6921372	6921462	Gmdrm	hyper	CG	0.0616
Gm20	6934979	6934996	Gmdrm	hyper	CG	0.0483
Gm20	7033492	7033623	Gmdrm	hyper	CG	0.0466
Gm20	7190757	7191073	Gmdrm	hyper	CG	0.0327
Gm20	7234326	7234346	Gmdrm	hyper	CG	0.764
Gm20	7295442	7295556	Gmdrm	hyper	CG	0.705
Gm20	7303151	7303197	Gmdrm	hyper	CG	0.5385
Gm20	7425077	7425211	Gmdrm	hyper	CG	0.072
Gm20	7527411	7527458	Gmdrm	hyper	CG	0.0916
Gm20	7532343	7532520	Gmdrm	hyper	CG	0.0663
Gm20	7636582	7636630	Gmdrm	hyper	CG	0.74
Gm20	7793075	7793110	Gmdrm	hyper	CG	0.126
Gm20	7958059	7958201	Gmdrm	hyper	CG	0.065
Gm20	8461518	8461708	Gmdrm	hyper	CG	0.0393
Gm20	8465612	8465658	Gmdrm	hyper	CG	0.032
Gm20	8599767	8600098	Gmdrm	hyper	CG	0.5708
Gm20	8640890	8641000	Gmdrm	hyper	CG	0.0393
Gm20	8654766	8654885	Gmdrm	hyper	CG	0.7214
Gm20	8685823	8685946	Gmdrm	hyper	CG	0.0295
Gm20	8690969	8691048	Gmdrm	hyper	CG	0.037
Gm20	8766762	8766813	Gmdrm	hyper	CG	0.8157
Gm20	8834305	8834355	Gmdrm	hyper	CG	0.0275
Gm20	8934318	8934480	Gmdrm	hyper	CG	0.0373
Gm20	8969893	8969987	Gmdrm	hyper	CG	0.762
Gm20	8994163	8994347	Gmdrm	hyper	CG	0.0592
Gm20	9161878	9161935	Gmdrm	hyper	CG	0.09
Gm20	9177564	9177757	Gmdrm	hyper	CG	0.054
Gm20	9436910	9437019	Gmdrm	hyper	CG	0.115
Gm20	9751928	9752337	Gmdrm	hyper	CG	0.0504
Gm20	9803522	9803654	Gmdrm	hyper	CG	0.09
Gm20	9924022	9924325	Gmdrm	hyper	CG	0.065
Gm20	9942441	9942784	Gmdrm	hyper	CG	0.0607
Gm20	9969226	9969253	Gmdrm	hyper	CG	0.766
Gm20	10093489	10093721	Gmdrm	hyper	CG	0.0731
Gm20	10239086	10239241	Gmdrm	hyper	CG	0.0409
Gm20	10329048	10329298	Gmdrm	hyper	CG	0.0661
Gm20	10379912	10380547	Gmdrm	hyper	CG	0.0509
Gm20	10434662	10434717	Gmdrm	hyper	CG	0.0517
Gm20	10462221	10462369	Gmdrm	hyper	CG	0.0657
Gm20	10644919	10645054	Gmdrm	hyper	CG	0.06
Gm20	10718013	10718155	Gmdrm	hyper	CG	0.6317
Gm20	10738434	10738720	Gmdrm	hyper	CG	0.0311
Gm20	10816772	10816874	Gmdrm	hyper	CG	0.04
Gm20	11013811	11013901	Gmdrm	hyper	CG	0.1094
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Gm20	11213650	11213759	Gmdrm	hyper	CG	0.728
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Gm20	11327680	11328290	Gmdrm	hyper	CG	0.0343
Gm20	11472407	11472989	Gmdrm	hyper	CG	0.0256
Gm20	11539702	11540144	Gmdrm	hyper	CG	0.039
Gm20	11734095	11734300	Gmdrm	hyper	CG	0.04
Gm20	11761210	11761268	Gmdrm	hyper	CG	0.3384
Gm20	11794683	11794794	Gmdrm	hyper	CG	0.7443
Gm20	11919195	11919349	Gmdrm	hyper	CG	0.0467
Gm20	11925545	11925641	Gmdrm	hyper	CG	0.075
Gm20	11938802	11938965	Gmdrm	hyper	CG	0.0371
Gm20	12000233	12000243	Gmdrm	hyper	CG	0.3683
Gm20	12000500	12000608	Gmdrm	hyper	CG	0.2117
Gm20	12215340	12215353	Gmdrm	hyper	CG	0.155
Gm20	12216607	12216674	Gmdrm	hyper	CG	0.1384
Gm20	12274576	12274661	Gmdrm	hyper	CG	0.67
Gm20	12413703	12414052	Gmdrm	hyper	CG	0.0383
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Gm20	12674131	12674478	Gmdrm	hyper	CG	0.0458
Gm20	12758919	12759170	Gmdrm	hyper	CG	0.32
Gm20	13048163	13048997	Gmdrm	hyper	CG	0.0289
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Gm20	13188173	13188859	Gmdrm	hyper	CG	0.0528
Gm20	13326745	13327287	Gmdrm	hyper	CG	0.0441
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Gm20	13342051	13342256	Gmdrm	hyper	CG	0.0458
Gm20	13452942	13453351	Gmdrm	hyper	CG	0.0495
Gm20	13495044	13495257	Gmdrm	hyper	CG	0.09
Gm20	13509625	13509717	Gmdrm	hyper	CG	0.0517
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Gm20	13777853	13778424	Gmdrm	hyper	CG	0.0315
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Gm20	14113753	14113812	Gmdrm	hyper	CG	0.2267
Gm20	14115536	14115930	Gmdrm	hyper	CG	0.0385
Gm20	14121821	14122146	Gmdrm	hyper	CG	0.0634
Gm20	14136801	14136839	Gmdrm	hyper	CG	0.0401
Gm20	14262251	14262552	Gmdrm	hyper	CG	0.0594
Gm20	14344311	14345058	Gmdrm	hyper	CG	0.0373
Gm20	14498828	14499397	Gmdrm	hyper	CG	0.03
Gm20	14527201	14527366	Gmdrm	hyper	CG	0.041
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Gm20	14776711	14777141	Gmdrm	hyper	CG	0.0284
Gm20	14822352	14822536	Gmdrm	hyper	CG	0.0847

Gm20	14823804	14823891	Gmdrm	hyper	CG	0.16
Gm20	14868935	14869885	Gmdrm	hyper	CG	0.0221
Gm20	15174852	15175458	Gmdrm	hyper	CG	0.0199
Gm20	15198065	15199065	Gmdrm	hyper	CG	0.0207
Gm20	15262748	15263334	Gmdrm	hyper	CG	0.0582
Gm20	15406495	15407495	Gmdrm	hyper	CG	0.023
Gm20	15525036	15525434	Gmdrm	hyper	CG	0.0213
Gm20	15550079	15550224	Gmdrm	hyper	CG	0.0443
Gm20	15595846	15596068	Gmdrm	hyper	CG	0.1247
Gm20	15790687	15790797	Gmdrm	hyper	CG	0.0533
Gm20	15812432	15812688	Gmdrm	hyper	CG	0.0815
Gm20	15849597	15849993	Gmdrm	hyper	CG	0.0252
Gm20	15853872	15854325	Gmdrm	hyper	CG	0.0334
Gm20	15958742	15959002	Gmdrm	hyper	CG	0.0469
Gm20	16012740	16012786	Gmdrm	hyper	CG	0.1
Gm20	16087558	16087732	Gmdrm	hyper	CG	0.041
Gm20	16582321	16582884	Gmdrm	hyper	CG	0.0413
Gm20	16733626	16734625	Gmdrm	hyper	CG	0.0354
Gm20	16803903	16803978	Gmdrm	hyper	CG	0.5783
Gm20	16833351	16833440	Gmdrm	hyper	CG	0.0367
Gm20	16834598	16835061	Gmdrm	hyper	CG	0.0508
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Gm20	17079693	17079932	Gmdrm	hyper	CG	0.0377
Gm20	17108084	17108209	Gmdrm	hyper	CG	0.0414
Gm20	17230016	17230527	Gmdrm	hyper	CG	0.0478
Gm20	17362481	17362575	Gmdrm	hyper	CG	0.142
Gm20	17512465	17513252	Gmdrm	hyper	CG	0.0223
Gm20	17524534	17525175	Gmdrm	hyper	CG	0.0426
Gm20	17609857	17609923	Gmdrm	hyper	CG	0.0491
Gm20	17623677	17623856	Gmdrm	hyper	CG	0.0443
Gm20	17651366	17651481	Gmdrm	hyper	CG	0.1614
Gm20	17662007	17662369	Gmdrm	hyper	CG	0.0453
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Gm20	17757540	17758308	Gmdrm	hyper	CG	0.0327
Gm20	17867188	17868165	Gmdrm	hyper	CG	0.0308
Gm20	18018433	18019177	Gmdrm	hyper	CG	0.0355
Gm20	18021844	18022104	Gmdrm	hyper	CG	0.0522
Gm20	18036575	18036850	Gmdrm	hyper	CG	0.0577
Gm20	18171339	18171675	Gmdrm	hyper	CG	0.0472
Gm20	18267768	18268185	Gmdrm	hyper	CG	0.0294
Gm20	18454644	18454784	Gmdrm	hyper	CG	0.1178
Gm20	18483163	18483846	Gmdrm	hyper	CG	0.0248
Gm20	18503340	18503377	Gmdrm	hyper	CG	0.0533
Gm20	18526097	18526296	Gmdrm	hyper	CG	0.06
Gm20	18568282	18568412	Gmdrm	hyper	CG	0.0264
Gm20	18573049	18573520	Gmdrm	hyper	CG	0.03

Gm20	18597977	18598089	Gmdrm	hyper	CG	0.038
Gm20	18611546	18611787	Gmdrm	hyper	CG	0.0389
Gm20	18820564	18820641	Gmdrm	hyper	CG	0.066
Gm20	18847648	18847703	Gmdrm	hyper	CG	0.1729
Gm20	18972133	18972341	Gmdrm	hyper	CG	0.0687
Gm20	19083700	19083960	Gmdrm	hyper	CG	0.0386
Gm20	19133585	19133667	Gmdrm	hyper	CG	0.9767
Gm20	19186529	19187503	Gmdrm	hyper	CG	0.0246
Gm20	19424890	19425498	Gmdrm	hyper	CG	0.0416
Gm20	19446965	19447105	Gmdrm	hyper	CG	0.0683
Gm20	19456614	19456791	Gmdrm	hyper	CG	0.0588
Gm20	19575910	19576904	Gmdrm	hyper	CG	0.0269
Gm20	19603437	19603704	Gmdrm	hyper	CG	0.0413
Gm20	19697808	19698082	Gmdrm	hyper	CG	0.0335
Gm20	19720197	19720264	Gmdrm	hyper	CG	0.0444
Gm20	19739659	19739902	Gmdrm	hyper	CG	0.12
Gm20	19979021	19979134	Gmdrm	hyper	CG	0.0343
Gm20	20000943	20001318	Gmdrm	hyper	CG	0.04
Gm20	20003232	20003377	Gmdrm	hyper	CG	0.066
Gm20	20018872	20019346	Gmdrm	hyper	CG	0.0377
Gm20	20039434	20039503	Gmdrm	hyper	CG	0.0433
Gm20	20155317	20155710	Gmdrm	hyper	CG	0.0352
Gm20	20156168	20156708	Gmdrm	hyper	CG	0.0362
Gm20	20309291	20309379	Gmdrm	hyper	CG	0.04
Gm20	20323213	20323382	Gmdrm	hyper	CG	0.0969
Gm20	20386836	20387083	Gmdrm	hyper	CG	0.046
Gm20	20552599	20552847	Gmdrm	hyper	CG	0.7936
Gm20	20561478	20561936	Gmdrm	hyper	CG	0.0431
Gm20	20624396	20624686	Gmdrm	hyper	CG	0.048
Gm20	20647952	20648117	Gmdrm	hyper	CG	0.0536
Gm20	20675143	20675233	Gmdrm	hyper	CG	0.114
Gm20	20845343	20845633	Gmdrm	hyper	CG	0.0528
Gm20	20881038	20881327	Gmdrm	hyper	CG	0.0875
Gm20	20960842	20961674	Gmdrm	hyper	CG	0.0582
Gm20	21054479	21054717	Gmdrm	hyper	CG	0.055
Gm20	21133580	21133766	Gmdrm	hyper	CG	0.0658
Gm20	21153062	21153224	Gmdrm	hyper	CG	0.079
Gm20	21208479	21209060	Gmdrm	hyper	CG	0.0407
Gm20	21270386	21270470	Gmdrm	hyper	CG	0.0633
Gm20	21440948	21441008	Gmdrm	hyper	CG	0.0313
Gm20	21475576	21475781	Gmdrm	hyper	CG	0.08
Gm20	21578082	21578254	Gmdrm	hyper	CG	0.1033
Gm20	21603881	21604457	Gmdrm	hyper	CG	0.0316
Gm20	21679636	21679877	Gmdrm	hyper	CG	0.12
Gm20	21684043	21684223	Gmdrm	hyper	CG	0.07
Gm20	21744447	21744504	Gmdrm	hyper	CG	0.0393

Gm20	21761845	21762242	Gmdrm	hyper	CG	0.0531
Gm20	21780393	21781338	Gmdrm	hyper	CG	0.0484
Gm20	22010122	22010437	Gmdrm	hyper	CG	0.0492
Gm20	22103087	22103527	Gmdrm	hyper	CG	0.0716
Gm20	22483635	22484242	Gmdrm	hyper	CG	0.0458
Gm20	22504447	22504700	Gmdrm	hyper	CG	0.0496
Gm20	22532004	22532065	Gmdrm	hyper	CG	0.0717
Gm20	22721242	22721378	Gmdrm	hyper	CG	0.0833
Gm20	22970114	22970244	Gmdrm	hyper	CG	0.145
Gm20	23200119	23200461	Gmdrm	hyper	CG	0.0411
Gm20	23248749	23248923	Gmdrm	hyper	CG	0.0768
Gm20	23420288	23420711	Gmdrm	hyper	CG	0.0463
Gm20	23553298	23553408	Gmdrm	hyper	CG	0.1047
Gm20	23567167	23567659	Gmdrm	hyper	CG	0.0339
Gm20	23777532	23777751	Gmdrm	hyper	CG	0.042
Gm20	24220550	24220826	Gmdrm	hyper	CG	0.0922
Gm20	24269810	24270087	Gmdrm	hyper	CG	0.0274
Gm20	24438065	24438215	Gmdrm	hyper	CG	0.06
Gm20	24471213	24472141	Gmdrm	hyper	CG	0.021
Gm20	24639710	24639850	Gmdrm	hyper	CG	0.0537
Gm20	24747294	24747728	Gmdrm	hyper	CG	0.1057
Gm20	24768060	24768366	Gmdrm	hyper	CG	0.0706
Gm20	24870567	24870829	Gmdrm	hyper	CG	0.0521
Gm20	24920834	24920905	Gmdrm	hyper	CG	0.1617
Gm20	25036145	25036347	Gmdrm	hyper	CG	0.0247
Gm20	25128762	25128850	Gmdrm	hyper	CG	0.152
Gm20	25196559	25196778	Gmdrm	hyper	CG	0.05
Gm20	25271158	25271459	Gmdrm	hyper	CG	0.693
Gm20	25271839	25271960	Gmdrm	hyper	CG	0.5975
Gm20	25318929	25319090	Gmdrm	hyper	CG	0.0917
Gm20	25387418	25387615	Gmdrm	hyper	CG	0.0515
Gm20	25412659	25413267	Gmdrm	hyper	CG	0.037
Gm20	25505767	25505969	Gmdrm	hyper	CG	0.0414
Gm20	25516352	25516427	Gmdrm	hyper	CG	0.57
Gm20	25632782	25633623	Gmdrm	hyper	CG	0.0406
Gm20	25742126	25742397	Gmdrm	hyper	CG	0.0532
Gm20	25786555	25786734	Gmdrm	hyper	CG	0.054
Gm20	25859680	25859809	Gmdrm	hyper	CG	0.0533
Gm20	26228839	26229015	Gmdrm	hyper	CG	0.044
Gm20	26413745	26414486	Gmdrm	hyper	CG	0.0298
Gm20	26503322	26503777	Gmdrm	hyper	CG	0.0507
Gm20	26612157	26612228	Gmdrm	hyper	CG	0.0235
Gm20	26662960	26663196	Gmdrm	hyper	CG	0.0486
Gm20	26696339	26696602	Gmdrm	hyper	CG	0.72
Gm20	26892676	26893127	Gmdrm	hyper	CG	0.045
Gm20	27180226	27180728	Gmdrm	hyper	CG	0.0296

Gm20	27474514	27474809	Gmdrm	hyper	CG	0.0591
Gm20	27510733	27510990	Gmdrm	hyper	CG	0.0906
Gm20	27516177	27516809	Gmdrm	hyper	CG	0.0313
Gm20	27519996	27520437	Gmdrm	hyper	CG	0.0513
Gm20	27521540	27521740	Gmdrm	hyper	CG	0.0538
Gm20	27527743	27527935	Gmdrm	hyper	CG	0.0389
Gm20	27641875	27641915	Gmdrm	hyper	CG	0.0862
Gm20	27843261	27843522	Gmdrm	hyper	CG	0.025
Gm20	27909398	27909472	Gmdrm	hyper	CG	0.0675
Gm20	27969039	27969276	Gmdrm	hyper	CG	0.0543
Gm20	28369677	28369797	Gmdrm	hyper	CG	0.0733
Gm20	28370519	28370763	Gmdrm	hyper	CG	0.0931
Gm20	28388467	28388674	Gmdrm	hyper	CG	0.0392
Gm20	28618409	28618914	Gmdrm	hyper	CG	0.0378
Gm20	28809024	28809102	Gmdrm	hyper	CG	0.0528
Gm20	28816331	28816467	Gmdrm	hyper	CG	0.4975
Gm20	28816796	28816958	Gmdrm	hyper	CG	0.34
Gm20	28831812	28831828	Gmdrm	hyper	CG	0.1066
Gm20	28832520	28832636	Gmdrm	hyper	CG	0.0766
Gm20	28890545	28890623	Gmdrm	hyper	CG	0.58
Gm20	28992586	28992830	Gmdrm	hyper	CG	0.2426
Gm20	29186743	29187128	Gmdrm	hyper	CG	0.0348
Gm20	29191335	29191419	Gmdrm	hyper	CG	0.0875
Gm20	29287976	29288307	Gmdrm	hyper	CG	0.0206
Gm20	29300351	29300885	Gmdrm	hyper	CG	0.0269
Gm20	29354359	29354604	Gmdrm	hyper	CG	0.3991
Gm20	29387702	29387917	Gmdrm	hyper	CG	0.0489
Gm20	29414685	29414840	Gmdrm	hyper	CG	0.056
Gm20	29521357	29521567	Gmdrm	hyper	CG	0.051
Gm20	29638782	29638862	Gmdrm	hyper	CG	0.064
Gm20	29639924	29640418	Gmdrm	hyper	CG	0.0232
Gm20	29659225	29659587	Gmdrm	hyper	CG	0.0328
Gm20	29785383	29785524	Gmdrm	hyper	CG	0.09
Gm20	29804054	29804189	Gmdrm	hyper	CG	0.3
Gm20	29903562	29903648	Gmdrm	hyper	CG	0.6
Gm20	30040027	30040065	Gmdrm	hyper	CG	0.1
Gm20	30131429	30132068	Gmdrm	hyper	CG	0.2408
Gm20	30154071	30154263	Gmdrm	hyper	CG	0.0588
Gm20	30172874	30173030	Gmdrm	hyper	CG	0.06
Gm20	30206156	30206267	Gmdrm	hyper	CG	0.0613
Gm20	30419182	30419528	Gmdrm	hyper	CG	0.0427
Gm20	30422824	30423052	Gmdrm	hyper	CG	0.0636
Gm20	30440536	30441148	Gmdrm	hyper	CG	0.0489
Gm20	30443408	30443503	Gmdrm	hyper	CG	0.041
Gm20	30826158	30826320	Gmdrm	hyper	CG	0.0512
Gm20	31021208	31021349	Gmdrm	hyper	CG	0.0451

Gm20	31114181	31114224	Gmdrm	hyper	CG	0.043
Gm20	31321133	31321331	Gmdrm	hyper	CG	0.0413
Gm20	31337702	31337881	Gmdrm	hyper	CG	0.053
Gm20	31376941	31377052	Gmdrm	hyper	CG	0.055
Gm20	31413128	31413290	Gmdrm	hyper	CG	0.066
Gm20	31817759	31817932	Gmdrm	hyper	CG	0.0425
Gm20	31870270	31870561	Gmdrm	hyper	CG	0.052
Gm20	31968309	31968480	Gmdrm	hyper	CG	0.0458
Gm20	32041623	32041771	Gmdrm	hyper	CG	0.945
Gm20	32041919	32042018	Gmdrm	hyper	CG	0.9233
Gm20	32093439	32093692	Gmdrm	hyper	CG	0.0525
Gm20	32117329	32117734	Gmdrm	hyper	CG	0.298
Gm20	32135545	32135739	Gmdrm	hyper	CG	0.1067
Gm20	32213224	32213428	Gmdrm	hyper	CG	0.6282
Gm20	32234877	32234989	Gmdrm	hyper	CG	0.0567
Gm20	32283691	32283820	Gmdrm	hyper	CG	0.0486
Gm20	32290555	32290814	Gmdrm	hyper	CG	0.0647
Gm20	32316870	32317222	Gmdrm	hyper	CG	0.0573
Gm20	32496812	32496939	Gmdrm	hyper	CG	0.092
Gm20	32655276	32655322	Gmdrm	hyper	CG	0.0883
Gm20	32711715	32711841	Gmdrm	hyper	CG	0.0567
Gm20	32721583	32721759	Gmdrm	hyper	CG	0.5417
Gm20	32833912	32834080	Gmdrm	hyper	CG	0.5031
Gm20	33044702	33044911	Gmdrm	hyper	CG	0.03
Gm20	33066744	33066938	Gmdrm	hyper	CG	0.8286
Gm20	33133484	33133621	Gmdrm	hyper	CG	0.6466
Gm20	33210289	33210582	Gmdrm	hyper	CG	0.0444
Gm20	33224341	33224607	Gmdrm	hyper	CG	0.042
Gm20	33243171	33243395	Gmdrm	hyper	CG	0.058
Gm20	33305624	33305801	Gmdrm	hyper	CG	0.8578
Gm20	33361051	33361117	Gmdrm	hyper	CG	0.048
Gm20	33569096	33569197	Gmdrm	hyper	CG	0.565
Gm20	33609062	33609136	Gmdrm	hyper	CG	0.8937
Gm20	33613179	33613346	Gmdrm	hyper	CG	0.905
Gm20	33642183	33642423	Gmdrm	hyper	CG	0.0455
Gm20	33760649	33760875	Gmdrm	hyper	CG	0.075
Gm20	33822627	33822843	Gmdrm	hyper	CG	0.607
Gm20	33828250	33828365	Gmdrm	hyper	CG	0.043
Gm20	33892642	33892739	Gmdrm	hyper	CG	0.66
Gm20	33901041	33901210	Gmdrm	hyper	CG	0.0484
Gm20	33942466	33942714	Gmdrm	hyper	CG	0.0449
Gm20	34107269	34107296	Gmdrm	hyper	CG	0.1066
Gm20	34137268	34137873	Gmdrm	hyper	CG	0.037
Gm20	34209086	34209582	Gmdrm	hyper	CG	0.3662
Gm20	34275692	34275817	Gmdrm	hyper	CG	0.742
Gm20	34326937	34327042	Gmdrm	hyper	CG	0.05

Gm20	34413299	34413333	Gmdrm	hyper	CG	0.9883
Gm20	34553320	34553553	Gmdrm	hyper	CG	0.3561
Gm20	34602974	34603142	Gmdrm	hyper	CG	0.072
Gm20	34608916	34608949	Gmdrm	hyper	CG	0.03
Gm20	34769662	34769953	Gmdrm	hyper	CG	0.0215
Gm20	34840974	34841084	Gmdrm	hyper	CG	0.0416
Gm20	34847502	34847600	Gmdrm	hyper	CG	0.57
Gm20	34889740	34889819	Gmdrm	hyper	CG	0.08
Gm20	34925249	34925304	Gmdrm	hyper	CG	0.0667
Gm20	35099814	35099920	Gmdrm	hyper	CG	0.5189
Gm20	35475309	35475377	Gmdrm	hyper	CG	0.044
Gm20	35483875	35483916	Gmdrm	hyper	CG	0.8589
Gm20	35842551	35842867	Gmdrm	hyper	CG	0.0305
Gm20	35877639	35877889	Gmdrm	hyper	CG	0.5455
Gm20	35906554	35906642	Gmdrm	hyper	CG	0.525
Gm20	35947204	35947327	Gmdrm	hyper	CG	0.0457
Gm20	36057180	36057401	Gmdrm	hyper	CG	0.0383
Gm20	36315365	36315553	Gmdrm	hyper	CG	0.0233
Gm20	36410089	36410265	Gmdrm	hyper	CG	0.148
Gm20	36500837	36500877	Gmdrm	hyper	CG	0.5175
Gm20	36519230	36519734	Gmdrm	hyper	CG	0.0367
Gm20	36611939	36611958	Gmdrm	hyper	CG	0.945
Gm20	36675950	36676040	Gmdrm	hyper	CG	0.508
Gm20	36729125	36729157	Gmdrm	hyper	CG	0.0412
Gm20	36949092	36949243	Gmdrm	hyper	CG	0.5077
Gm20	37019894	37020046	Gmdrm	hyper	CG	0.782
Gm20	37175520	37175751	Gmdrm	hyper	CG	0.5566
Gm20	37354996	37355177	Gmdrm	hyper	CG	0.04
Gm20	37420557	37420592	Gmdrm	hyper	CG	0.6544
Gm20	37423525	37423560	Gmdrm	hyper	CG	0.871
Gm20	37497980	37498003	Gmdrm	hyper	CG	0.0733
Gm20	37566579	37566642	Gmdrm	hyper	CG	0.4665
Gm20	37627753	37627862	Gmdrm	hyper	CG	0.038
Gm20	37655909	37656147	Gmdrm	hyper	CG	0.1167
Gm20	37685391	37685557	Gmdrm	hyper	CG	0.0392
Gm20	37766843	37767062	Gmdrm	hyper	CG	0.0317
Gm20	37803743	37803944	Gmdrm	hyper	CG	0.0433
Gm20	37925348	37925517	Gmdrm	hyper	CG	0.0316
Gm20	37976945	37976981	Gmdrm	hyper	CG	0.565
Gm20	38410912	38411043	Gmdrm	hyper	CG	0.05
Gm20	38429432	38429541	Gmdrm	hyper	CG	0.8057
Gm20	38628116	38628238	Gmdrm	hyper	CG	0.058
Gm20	38841033	38841141	Gmdrm	hyper	CG	0.0655
Gm20	39015035	39015202	Gmdrm	hyper	CG	0.0328
Gm20	39321918	39321988	Gmdrm	hyper	CG	0.056
Gm20	39439901	39439956	Gmdrm	hyper	CG	0.782

Gm20	39476407	39476741	Gmdrm	hyper	CG	0.072
Gm20	39713142	39713253	Gmdrm	hyper	CG	0.03
Gm20	39743593	39743820	Gmdrm	hyper	CG	0.0483
Gm20	39771835	39772017	Gmdrm	hyper	CG	0.04
Gm20	39882137	39882223	Gmdrm	hyper	CG	0.726
Gm20	39904155	39904394	Gmdrm	hyper	CG	0.5091
Gm20	39936848	39936914	Gmdrm	hyper	CG	0.752
Gm20	40009144	40009257	Gmdrm	hyper	CG	0.734
Gm20	40177481	40177510	Gmdrm	hyper	CG	0.0683
Gm20	40625997	40626056	Gmdrm	hyper	CG	0.5725
Gm20	40641369	40641552	Gmdrm	hyper	CG	0.5933
Gm20	40678909	40679004	Gmdrm	hyper	CG	0.0971
Gm20	40910696	40910917	Gmdrm	hyper	CG	0.5429
Gm20	41098136	41098361	Gmdrm	hyper	CG	0.0187
Gm20	41217099	41217484	Gmdrm	hyper	CG	0.04
Gm20	41226026	41226046	Gmdrm	hyper	CG	0.635
Gm20	41248016	41248115	Gmdrm	hyper	CG	0.585
Gm20	41288542	41288608	Gmdrm	hyper	CG	0.5187
Gm20	41390474	41390573	Gmdrm	hyper	CG	0.9684
Gm20	42052888	42052914	Gmdrm	hyper	CG	0.0483
Gm20	42167347	42167506	Gmdrm	hyper	CG	0.065
Gm20	42401045	42401168	Gmdrm	hyper	CG	0.5455
Gm20	42520823	42520873	Gmdrm	hyper	CG	0.9883
Gm20	42577963	42578306	Gmdrm	hyper	CG	0.0647
Gm20	42895100	42895154	Gmdrm	hyper	CG	0.79
Gm20	42923436	42923577	Gmdrm	hyper	CG	0.062
Gm20	43010642	43010724	Gmdrm	hyper	CG	0.1467
Gm20	43185766	43185886	Gmdrm	hyper	CG	0.59
Gm20	43200681	43200788	Gmdrm	hyper	CG	0.8067
Gm20	43234263	43234384	Gmdrm	hyper	CG	0.06
Gm20	43367146	43367235	Gmdrm	hyper	CG	0.6233
Gm20	43397360	43397656	Gmdrm	hyper	CG	0.0273
Gm20	43409183	43409281	Gmdrm	hyper	CG	0.0416
Gm20	43482208	43482328	Gmdrm	hyper	CG	0.06
Gm20	43591607	43591751	Gmdrm	hyper	CG	0.027
Gm20	43750586	43750817	Gmdrm	hyper	CG	0.2871
Gm20	43830610	43830852	Gmdrm	hyper	CG	0.0341
Gm20	43839454	43839609	Gmdrm	hyper	CG	0.042
Gm20	43842874	43842982	Gmdrm	hyper	CG	0.0717
Gm20	43843851	43844094	Gmdrm	hyper	CG	0.04
Gm20	43948160	43948353	Gmdrm	hyper	CG	0.042
Gm20	44090559	44090615	Gmdrm	hyper	CG	0.0317
Gm20	44111032	44111112	Gmdrm	hyper	CG	0.4954
Gm20	44955567	44955589	Gmdrm	hyper	CG	0.2238
Gm20	45056682	45056976	Gmdrm	hyper	CG	0.05
Gm20	45140684	45140720	Gmdrm	hyper	CG	0.95

Gm20	45624069	45624164	Gmdrm	hyper	CG	0.036
Gm20	45700129	45700352	Gmdrm	hyper	CG	0.0342
Gm20	46235981	46236113	Gmdrm	hyper	CG	0.03
Gm20	46305064	46305421	Gmdrm	hyper	CG	0.058
Gm20	46555101	46555284	Gmdrm	hyper	CG	0.059
Gm20	46584466	46584768	Gmdrm	hyper	CG	0.06
Gm20	46857330	46857402	Gmdrm	hyper	CG	0.116
Gm20	47067296	47067338	Gmdrm	hyper	CG	0.105
Gm20	47107143	47107293	Gmdrm	hyper	CG	0.0633
Gm20	47112590	47112619	Gmdrm	hyper	CG	0.4643
Gm20	47210308	47210600	Gmdrm	hyper	CG	0.0471
Gm20	47215756	47215882	Gmdrm	hyper	CG	0.052
Gm20	47243685	47243850	Gmdrm	hyper	CG	0.136
Gm20	47347493	47347611	Gmdrm	hyper	CG	0.814
Gm20	47394382	47394472	Gmdrm	hyper	CG	0.052
Gm20	47470731	47471620	Gmdrm	hyper	CG	0.0258
Gm20	47552685	47552721	Gmdrm	hyper	CG	0.6167
Gm20	47601052	47601428	Gmdrm	hyper	CG	0.3479
Gm20	47712668	47712851	Gmdrm	hyper	CG	0.54
Gm20	47825851	47825961	Gmdrm	hyper	CG	0.0525
scaffold_106	69407	69432	Gmdrm	hyper	CG	0.128
scaffold_110	41713	41918	Gmdrm	hyper	CG	0.198
scaffold_110	61542	61759	Gmdrm	hyper	CG	0.04
scaffold_111	67317	67893	Gmdrm	hyper	CG	0.0226
scaffold_121	46327	46443	Gmdrm	hyper	CG	0.084
scaffold_123	21485	22439	Gmdrm	hyper	CG	0.027
scaffold_123	56656	57299	Gmdrm	hyper	CG	0.0317
scaffold_124	5286	5508	Gmdrm	hyper	CG	0.0368
scaffold_124	50763	50944	Gmdrm	hyper	CG	0.6357
scaffold_128	7345	7635	Gmdrm	hyper	CG	0.0274
scaffold_130	3112	4102	Gmdrm	hyper	CG	0.0396
scaffold_130	8037	8310	Gmdrm	hyper	CG	0.0262
scaffold_143	30552	31121	Gmdrm	hyper	CG	0.041
scaffold_160	39946	40927	Gmdrm	hyper	CG	0.0192
scaffold_162	10677	10847	Gmdrm	hyper	CG	0.0358
scaffold_163	12200	13189	Gmdrm	hyper	CG	0.0297
scaffold_178	1468	2461	Gmdrm	hyper	CG	0.0163
scaffold_198	5440	5490	Gmdrm	hyper	CG	0.058
scaffold_22	48980	49509	Gmdrm	hyper	CG	0.0453
scaffold_22	284462	284856	Gmdrm	hyper	CG	0.0387
scaffold_22	452378	452613	Gmdrm	hyper	CG	0.0265
scaffold_229	9529	9575	Gmdrm	hyper	CG	0.025
scaffold_239	13806	13876	Gmdrm	hyper	CG	0.0614
scaffold_239	15887	16110	Gmdrm	hyper	CG	0.0478
scaffold_24	329811	330484	Gmdrm	hyper	CG	0.0404
scaffold_24	366119	366731	Gmdrm	hyper	CG	0.0226

scaffold_26	103181	103474	Gmdrm	hyper	CG	0.0626
scaffold_26	140053	141040	Gmdrm	hyper	CG	0.0116
scaffold_26	231934	232185	Gmdrm	hyper	CG	0.0611
scaffold_271	12716	13109	Gmdrm	hyper	CG	0.5428
scaffold_28	175246	175426	Gmdrm	hyper	CG	0.07
scaffold_28	191341	192018	Gmdrm	hyper	CG	0.0334
scaffold_28	280449	280633	Gmdrm	hyper	CG	0.0927
scaffold_29	150576	151338	Gmdrm	hyper	CG	0.0456
scaffold_29	277722	278316	Gmdrm	hyper	CG	0.0441
scaffold_29	301697	302579	Gmdrm	hyper	CG	0.0233
scaffold_30	104530	105530	Gmdrm	hyper	CG	0.0314
scaffold_31	33070	34066	Gmdrm	hyper	CG	0.0147
scaffold_31	37731	38731	Gmdrm	hyper	CG	0.0136
scaffold_31	62239	62615	Gmdrm	hyper	CG	0.0365
scaffold_31	152483	152899	Gmdrm	hyper	CG	0.027
scaffold_31	200626	201292	Gmdrm	hyper	CG	0.0251
scaffold_327	3159	3208	Gmdrm	hyper	CG	0.3024
scaffold_33	54382	54616	Gmdrm	hyper	CG	0.0591
scaffold_33	137651	137898	Gmdrm	hyper	CG	0.0664
scaffold_33	158274	158409	Gmdrm	hyper	CG	0.0256
scaffold_33	239130	239251	Gmdrm	hyper	CG	0.0609
scaffold_34	34884	35070	Gmdrm	hyper	CG	0.0864
scaffold_36	11298	12270	Gmdrm	hyper	CG	0.0207
scaffold_36	87902	88900	Gmdrm	hyper	CG	0.0251
scaffold_36	173010	173303	Gmdrm	hyper	CG	0.0661
scaffold_36	182222	182867	Gmdrm	hyper	CG	0.0124
scaffold_36	199191	199668	Gmdrm	hyper	CG	0.0412
scaffold_36	232808	233319	Gmdrm	hyper	CG	0.0259
scaffold_37	131916	132497	Gmdrm	hyper	CG	0.0275
scaffold_39	174100	174442	Gmdrm	hyper	CG	0.0912
scaffold_42	9644	9774	Gmdrm	hyper	CG	0.0842
scaffold_42	186848	187830	Gmdrm	hyper	CG	0.0211
scaffold_438	9582	9661	Gmdrm	hyper	CG	0.086
scaffold_44	140693	140755	Gmdrm	hyper	CG	0.058
scaffold_44	152533	152863	Gmdrm	hyper	CG	0.0377
scaffold_46	30123	30473	Gmdrm	hyper	CG	0.1104
scaffold_46	89818	90114	Gmdrm	hyper	CG	0.059
scaffold_46	115421	116393	Gmdrm	hyper	CG	0.0191
scaffold_47	141847	142846	Gmdrm	hyper	CG	0.019
scaffold_47	153961	154927	Gmdrm	hyper	CG	0.0348
scaffold_489	3643	4018	Gmdrm	hyper	CG	0.0538
scaffold_496	6793	7102	Gmdrm	hyper	CG	0.0537
scaffold_50	72718	73291	Gmdrm	hyper	CG	0.0227
scaffold_50	90120	90652	Gmdrm	hyper	CG	0.0357
scaffold_51	136526	137525	Gmdrm	hyper	CG	0.0223
scaffold_52	7553	7653	Gmdrm	hyper	CG	0.1009

scaffold_52	40263	40687	Gmdrm	hyper	CG	0.0267
scaffold_52	43504	43856	Gmdrm	hyper	CG	0.0232
scaffold_52	99587	100578	Gmdrm	hyper	CG	0.0248
scaffold_55	53945	54945	Gmdrm	hyper	CG	0.0184
scaffold_560	9953	10137	Gmdrm	hyper	CG	0.11
scaffold_60	25740	25933	Gmdrm	hyper	CG	0.0476
scaffold_61	96869	97668	Gmdrm	hyper	CG	0.0205
scaffold_61	130933	131271	Gmdrm	hyper	CG	0.0404
scaffold_62	124997	125068	Gmdrm	hyper	CG	0.0657
scaffold_64	52369	53068	Gmdrm	hyper	CG	0.0551
scaffold_82	35723	35876	Gmdrm	hyper	CG	0.4787
scaffold_82	79801	79874	Gmdrm	hyper	CG	0.068
scaffold_83	26145	26246	Gmdrm	hyper	CG	0.0371
scaffold_83	78849	79799	Gmdrm	hyper	CG	0.0328
scaffold_85	7323	8159	Gmdrm	hyper	CG	0.0262
scaffold_86	23336	23469	Gmdrm	hyper	CG	0.0321
scaffold_88	14390	14526	Gmdrm	hyper	CG	0.062
scaffold_88	76223	76298	Gmdrm	hyper	CG	0.05
scaffold_92	37775	38220	Gmdrm	hyper	CG	0.0169
scaffold_95	34935	35495	Gmdrm	hyper	CG	0.104
scaffold_95	70731	71253	Gmdrm	hyper	CG	0.0259
scaffold_96	2261	2404	Gmdrm	hyper	CG	0.0363
Gm01	7866	7889	Gmdrm	hypo	CG	-0.0783
Gm01	77980	78113	Gmdrm	hypo	CG	-0.72
Gm01	78494	78629	Gmdrm	hypo	CG	-0.4012
Gm01	103785	104133	Gmdrm	hypo	CG	-0.0461
Gm01	245507	245657	Gmdrm	hypo	CG	-0.745
Gm01	245827	246501	Gmdrm	hypo	CG	-0.2683
Gm01	301375	301494	Gmdrm	hypo	CG	-0.915
Gm01	301871	302069	Gmdrm	hypo	CG	-0.4914
Gm01	330485	330686	Gmdrm	hypo	CG	-0.6758
Gm01	334011	334275	Gmdrm	hypo	CG	-0.4093
Gm01	341185	341636	Gmdrm	hypo	CG	-0.7042
Gm01	354797	354937	Gmdrm	hypo	CG	-0.0766
Gm01	360065	360183	Gmdrm	hypo	CG	-0.2355
Gm01	360521	360718	Gmdrm	hypo	CG	-0.7434
Gm01	361752	361908	Gmdrm	hypo	CG	-0.1458
Gm01	379237	379269	Gmdrm	hypo	CG	-0.635
Gm01	381596	381860	Gmdrm	hypo	CG	-0.563
Gm01	414933	415093	Gmdrm	hypo	CG	-0.2867
Gm01	427393	427558	Gmdrm	hypo	CG	-0.0314
Gm01	444260	444342	Gmdrm	hypo	CG	-0.545
Gm01	446079	446312	Gmdrm	hypo	CG	-0.6763
Gm01	453269	453314	Gmdrm	hypo	CG	-0.54
Gm01	505719	505867	Gmdrm	hypo	CG	-0.1763
Gm01	512877	513191	Gmdrm	hypo	CG	-0.0695

Gm01	520040	520163 Gmdrm	hypo	CG	-0.6542
Gm01	534395	534418 Gmdrm	hypo	CG	-0.995
Gm01	557544	557635 Gmdrm	hypo	CG	-0.455
Gm01	558827	559375 Gmdrm	hypo	CG	-0.0707
Gm01	568817	568872 Gmdrm	hypo	CG	-0.8
Gm01	568989	569192 Gmdrm	hypo	CG	-0.6167
Gm01	578634	578741 Gmdrm	hypo	CG	-0.03
Gm01	605770	605965 Gmdrm	hypo	CG	-0.368
Gm01	612684	613102 Gmdrm	hypo	CG	-0.0562
Gm01	616054	616468 Gmdrm	hypo	CG	-0.4204
Gm01	673910	674097 Gmdrm	hypo	CG	-0.505
Gm01	683061	683192 Gmdrm	hypo	CG	-0.471
Gm01	693619	693894 Gmdrm	hypo	CG	-0.2862
Gm01	694682	694957 Gmdrm	hypo	CG	-0.855
Gm01	697857	697997 Gmdrm	hypo	CG	-0.6683
Gm01	703093	703308 Gmdrm	hypo	CG	-0.0575
Gm01	703644	703884 Gmdrm	hypo	CG	-0.022
Gm01	705840	705895 Gmdrm	hypo	CG	-0.595
Gm01	759758	759892 Gmdrm	hypo	CG	-0.052
Gm01	766941	767065 Gmdrm	hypo	CG	-0.92
Gm01	773098	773310 Gmdrm	hypo	CG	-0.9286
Gm01	773760	773809 Gmdrm	hypo	CG	-0.528
Gm01	796731	796865 Gmdrm	hypo	CG	-0.772
Gm01	811951	812047 Gmdrm	hypo	CG	-0.072
Gm01	862587	862863 Gmdrm	hypo	CG	-0.1733
Gm01	866409	866964 Gmdrm	hypo	CG	-0.3869
Gm01	890978	891140 Gmdrm	hypo	CG	-0.8938
Gm01	893535	893624 Gmdrm	hypo	CG	-0.7712
Gm01	893904	894193 Gmdrm	hypo	CG	-0.704
Gm01	904789	904983 Gmdrm	hypo	CG	-0.3633
Gm01	936304	936416 Gmdrm	hypo	CG	-0.9066
Gm01	962706	963060 Gmdrm	hypo	CG	-0.8041
Gm01	963719	963789 Gmdrm	hypo	CG	-0.0833
Gm01	964702	964805 Gmdrm	hypo	CG	-0.1175
Gm01	1115259	1115552 Gmdrm	hypo	CG	-0.5479
Gm01	1116987	1117099 Gmdrm	hypo	CG	-0.678
Gm01	1124518	1124684 Gmdrm	hypo	CG	-0.0878
Gm01	1134086	1134235 Gmdrm	hypo	CG	-0.3963
Gm01	1134627	1134767 Gmdrm	hypo	CG	-0.4364
Gm01	1158636	1158748 Gmdrm	hypo	CG	-0.1034
Gm01	1188246	1188328 Gmdrm	hypo	CG	-0.0967
Gm01	1227770	1227783 Gmdrm	hypo	CG	-0.5484
Gm01	1260155	1260249 Gmdrm	hypo	CG	-0.975
Gm01	1264638	1264742 Gmdrm	hypo	CG	-0.9275
Gm01	1337795	1337934 Gmdrm	hypo	CG	-0.6534
Gm01	1342437	1342530 Gmdrm	hypo	CG	-0.0699

Gm01	1372159	1372300	Gmdrm	hypo	CG	-0.0457
Gm01	1384021	1384135	Gmdrm	hypo	CG	-0.036
Gm01	1438578	1438650	Gmdrm	hypo	CG	-0.038
Gm01	1491180	1491427	Gmdrm	hypo	CG	-0.04
Gm01	1495203	1495469	Gmdrm	hypo	CG	-0.9321
Gm01	1498161	1498300	Gmdrm	hypo	CG	-0.93
Gm01	1522607	1522701	Gmdrm	hypo	CG	-0.8783
Gm01	1522825	1522848	Gmdrm	hypo	CG	-0.6583
Gm01	1529090	1529109	Gmdrm	hypo	CG	-0.905
Gm01	1552474	1552629	Gmdrm	hypo	CG	-0.0771
Gm01	1553648	1553797	Gmdrm	hypo	CG	-0.07
Gm01	1559471	1559880	Gmdrm	hypo	CG	-0.4036
Gm01	1566461	1566529	Gmdrm	hypo	CG	-0.774
Gm01	1579905	1579943	Gmdrm	hypo	CG	-0.31
Gm01	1591626	1591939	Gmdrm	hypo	CG	-0.6662
Gm01	1599069	1599177	Gmdrm	hypo	CG	-0.725
Gm01	1607946	1607998	Gmdrm	hypo	CG	-0.935
Gm01	1631121	1631230	Gmdrm	hypo	CG	-0.782
Gm01	1678635	1678944	Gmdrm	hypo	CG	-0.9275
Gm01	1698584	1699376	Gmdrm	hypo	CG	-0.4254
Gm01	1709448	1709666	Gmdrm	hypo	CG	-0.1705
Gm01	1709799	1710069	Gmdrm	hypo	CG	-0.3064
Gm01	1710451	1710633	Gmdrm	hypo	CG	-0.5063
Gm01	1710769	1710868	Gmdrm	hypo	CG	-0.49
Gm01	1710982	1711103	Gmdrm	hypo	CG	-0.68
Gm01	1711689	1711837	Gmdrm	hypo	CG	-0.792
Gm01	1795978	1796119	Gmdrm	hypo	CG	-0.0537
Gm01	1796653	1796739	Gmdrm	hypo	CG	-0.5917
Gm01	1797002	1797205	Gmdrm	hypo	CG	-0.1705
Gm01	1799575	1799703	Gmdrm	hypo	CG	-0.796
Gm01	1800108	1800216	Gmdrm	hypo	CG	-0.54
Gm01	1820623	1820667	Gmdrm	hypo	CG	-0.5866
Gm01	1828593	1828625	Gmdrm	hypo	CG	-0.6433
Gm01	1875163	1875299	Gmdrm	hypo	CG	-0.6791
Gm01	1875460	1875642	Gmdrm	hypo	CG	-0.8826
Gm01	1877689	1877830	Gmdrm	hypo	CG	-0.0333
Gm01	1905130	1905343	Gmdrm	hypo	CG	-0.3223
Gm01	1905452	1905637	Gmdrm	hypo	CG	-0.1066
Gm01	1905829	1905959	Gmdrm	hypo	CG	-0.7822
Gm01	1937552	1937760	Gmdrm	hypo	CG	-0.8015
Gm01	1972318	1972442	Gmdrm	hypo	CG	-0.968
Gm01	1994947	1995009	Gmdrm	hypo	CG	-0.8134
Gm01	2037848	2038131	Gmdrm	hypo	CG	-0.9254
Gm01	2038233	2038328	Gmdrm	hypo	CG	-0.6517
Gm01	2044556	2044725	Gmdrm	hypo	CG	-0.4638
Gm01	2051689	2051695	Gmdrm	hypo	CG	-0.945

Gm01	2091915	2092083	Gmdrm	hypo	CG	-0.7318
Gm01	2103153	2103436	Gmdrm	hypo	CG	-0.7723
Gm01	2123101	2123233	Gmdrm	hypo	CG	-0.9567
Gm01	2124009	2124103	Gmdrm	hypo	CG	-0.92
Gm01	2126586	2127093	Gmdrm	hypo	CG	-0.5484
Gm01	2132726	2132818	Gmdrm	hypo	CG	-0.7455
Gm01	2161494	2161779	Gmdrm	hypo	CG	-0.086
Gm01	2173313	2173604	Gmdrm	hypo	CG	-0.0319
Gm01	2196578	2196809	Gmdrm	hypo	CG	-0.8736
Gm01	2215343	2215458	Gmdrm	hypo	CG	-0.258
Gm01	2216160	2216483	Gmdrm	hypo	CG	-0.6555
Gm01	2235462	2235664	Gmdrm	hypo	CG	-0.435
Gm01	2235991	2236310	Gmdrm	hypo	CG	-0.1133
Gm01	2238537	2238762	Gmdrm	hypo	CG	-0.125
Gm01	2239394	2239697	Gmdrm	hypo	CG	-0.6676
Gm01	2254067	2254179	Gmdrm	hypo	CG	-0.6972
Gm01	2261207	2261284	Gmdrm	hypo	CG	-0.9783
Gm01	2263720	2263824	Gmdrm	hypo	CG	-0.9675
Gm01	2268035	2268236	Gmdrm	hypo	CG	-0.04
Gm01	2295765	2295866	Gmdrm	hypo	CG	-0.42
Gm01	2296458	2296554	Gmdrm	hypo	CG	-0.5443
Gm01	2315809	2315862	Gmdrm	hypo	CG	-0.924
Gm01	2320727	2320841	Gmdrm	hypo	CG	-0.8643
Gm01	2322070	2322144	Gmdrm	hypo	CG	-0.2833
Gm01	2329877	2330180	Gmdrm	hypo	CG	-0.9538
Gm01	2364618	2364705	Gmdrm	hypo	CG	-0.49
Gm01	2364839	2365080	Gmdrm	hypo	CG	-0.366
Gm01	2368565	2368724	Gmdrm	hypo	CG	-0.9141
Gm01	2368933	2369081	Gmdrm	hypo	CG	-0.9006
Gm01	2371801	2371973	Gmdrm	hypo	CG	-0.122
Gm01	2452165	2452322	Gmdrm	hypo	CG	-0.9022
Gm01	2452677	2452889	Gmdrm	hypo	CG	-0.944
Gm01	2453098	2453180	Gmdrm	hypo	CG	-0.9017
Gm01	2456079	2456303	Gmdrm	hypo	CG	-0.1708
Gm01	2456546	2456740	Gmdrm	hypo	CG	-0.4475
Gm01	2456946	2457189	Gmdrm	hypo	CG	-0.7314
Gm01	2467907	2468060	Gmdrm	hypo	CG	-0.635
Gm01	2474978	2475159	Gmdrm	hypo	CG	-0.581
Gm01	2476558	2476616	Gmdrm	hypo	CG	-0.6767
Gm01	2481784	2481897	Gmdrm	hypo	CG	-0.1474
Gm01	2485045	2485299	Gmdrm	hypo	CG	-0.2815
Gm01	2496689	2496881	Gmdrm	hypo	CG	-0.2043
Gm01	2502231	2502527	Gmdrm	hypo	CG	-0.9353
Gm01	2504569	2504670	Gmdrm	hypo	CG	-0.5183
Gm01	2509374	2509441	Gmdrm	hypo	CG	-0.7166
Gm01	2510140	2510248	Gmdrm	hypo	CG	-0.7814

Gm01	2512030	2512065 Gmdrm	hypo	CG	-0.402
Gm01	2519518	2519650 Gmdrm	hypo	CG	-0.395
Gm01	2521062	2521373 Gmdrm	hypo	CG	-0.1584
Gm01	2531840	2532088 Gmdrm	hypo	CG	-0.6518
Gm01	2534075	2534192 Gmdrm	hypo	CG	-0.542
Gm01	2534420	2534624 Gmdrm	hypo	CG	-0.584
Gm01	2552848	2553204 Gmdrm	hypo	CG	-0.514
Gm01	2565179	2565405 Gmdrm	hypo	CG	-0.4165
Gm01	2565913	2566148 Gmdrm	hypo	CG	-0.385
Gm01	2603905	2603915 Gmdrm	hypo	CG	-0.2283
Gm01	2605820	2605974 Gmdrm	hypo	CG	-0.3667
Gm01	2606223	2606297 Gmdrm	hypo	CG	-0.6883
Gm01	2609946	2610028 Gmdrm	hypo	CG	-0.1533
Gm01	2612917	2613062 Gmdrm	hypo	CG	-0.85
Gm01	2614260	2614283 Gmdrm	hypo	CG	-0.5583
Gm01	2622133	2622275 Gmdrm	hypo	CG	-0.285
Gm01	2641951	2642256 Gmdrm	hypo	CG	-0.725
Gm01	2645004	2645442 Gmdrm	hypo	CG	-0.2429
Gm01	2670763	2670807 Gmdrm	hypo	CG	-0.0413
Gm01	2673260	2673399 Gmdrm	hypo	CG	-0.66
Gm01	2674732	2674822 Gmdrm	hypo	CG	-0.5133
Gm01	2674999	2675163 Gmdrm	hypo	CG	-0.264
Gm01	2681236	2681475 Gmdrm	hypo	CG	-0.8924
Gm01	2688501	2688575 Gmdrm	hypo	CG	-0.371
Gm01	2689066	2689178 Gmdrm	hypo	CG	-0.2534
Gm01	2709729	2709872 Gmdrm	hypo	CG	-0.0317
Gm01	2711378	2711514 Gmdrm	hypo	CG	-0.4024
Gm01	2742560	2742686 Gmdrm	hypo	CG	-0.669
Gm01	2753548	2753625 Gmdrm	hypo	CG	-0.615
Gm01	2756851	2757055 Gmdrm	hypo	CG	-0.3223
Gm01	2795959	2796082 Gmdrm	hypo	CG	-0.335
Gm01	2809337	2810074 Gmdrm	hypo	CG	-0.032
Gm01	2837806	2837916 Gmdrm	hypo	CG	-0.6267
Gm01	2843073	2843144 Gmdrm	hypo	CG	-0.393
Gm01	2843938	2844124 Gmdrm	hypo	CG	-0.205
Gm01	2844564	2844980 Gmdrm	hypo	CG	-0.555
Gm01	2849353	2849409 Gmdrm	hypo	CG	-0.7384
Gm01	2854620	2854693 Gmdrm	hypo	CG	-0.94
Gm01	2876604	2876705 Gmdrm	hypo	CG	-0.6533
Gm01	2930374	2930617 Gmdrm	hypo	CG	-0.406
Gm01	2942220	2942502 Gmdrm	hypo	CG	-0.4317
Gm01	2947962	2947982 Gmdrm	hypo	CG	-0.185
Gm01	2989229	2989354 Gmdrm	hypo	CG	-0.581
Gm01	2992543	2992601 Gmdrm	hypo	CG	-0.9666
Gm01	2992990	2993047 Gmdrm	hypo	CG	-0.6125
Gm01	2997008	2997048 Gmdrm	hypo	CG	-0.2766

Gm01	3012371	3012432	Gmdrm	hypo	CG	-0.1883
Gm01	3014046	3014163	Gmdrm	hypo	CG	-0.2008
Gm01	3024404	3025095	Gmdrm	hypo	CG	-0.2227
Gm01	3025239	3025303	Gmdrm	hypo	CG	-0.6125
Gm01	3038421	3038507	Gmdrm	hypo	CG	-0.3416
Gm01	3054320	3054457	Gmdrm	hypo	CG	-0.8275
Gm01	3054565	3054641	Gmdrm	hypo	CG	-0.6825
Gm01	3054962	3055106	Gmdrm	hypo	CG	-0.1517
Gm01	3058587	3058638	Gmdrm	hypo	CG	-0.7533
Gm01	3061601	3061757	Gmdrm	hypo	CG	-0.8294
Gm01	3104679	3104860	Gmdrm	hypo	CG	-0.6684
Gm01	3114078	3114096	Gmdrm	hypo	CG	-0.95
Gm01	3128049	3128092	Gmdrm	hypo	CG	-0.903
Gm01	3128215	3128318	Gmdrm	hypo	CG	-0.9801
Gm01	3131118	3131319	Gmdrm	hypo	CG	-0.9351
Gm01	3164133	3164686	Gmdrm	hypo	CG	-0.4
Gm01	3168161	3168315	Gmdrm	hypo	CG	-0.05
Gm01	3169761	3169804	Gmdrm	hypo	CG	-0.4676
Gm01	3170179	3170374	Gmdrm	hypo	CG	-0.5323
Gm01	3184146	3184238	Gmdrm	hypo	CG	-0.7325
Gm01	3233587	3233801	Gmdrm	hypo	CG	-0.906
Gm01	3245065	3245132	Gmdrm	hypo	CG	-0.6525
Gm01	3250414	3250660	Gmdrm	hypo	CG	-0.143
Gm01	3259314	3259623	Gmdrm	hypo	CG	-0.0732
Gm01	3265152	3265515	Gmdrm	hypo	CG	-0.5704
Gm01	3278429	3278789	Gmdrm	hypo	CG	-0.46
Gm01	3309960	3310087	Gmdrm	hypo	CG	-0.5112
Gm01	3316280	3316450	Gmdrm	hypo	CG	-0.132
Gm01	3317590	3318030	Gmdrm	hypo	CG	-0.2348
Gm01	3340093	3340253	Gmdrm	hypo	CG	-0.886
Gm01	3354232	3354336	Gmdrm	hypo	CG	-0.4917
Gm01	3356077	3356473	Gmdrm	hypo	CG	-0.7358
Gm01	3358197	3358485	Gmdrm	hypo	CG	-0.1623
Gm01	3409396	3409541	Gmdrm	hypo	CG	-0.054
Gm01	3451339	3451485	Gmdrm	hypo	CG	-0.2445
Gm01	3451593	3451704	Gmdrm	hypo	CG	-0.425
Gm01	3452831	3452855	Gmdrm	hypo	CG	-0.8133
Gm01	3458894	3458913	Gmdrm	hypo	CG	-0.506
Gm01	3459121	3459302	Gmdrm	hypo	CG	-0.47
Gm01	3460471	3460525	Gmdrm	hypo	CG	-0.672
Gm01	3483986	3484340	Gmdrm	hypo	CG	-0.6429
Gm01	3494650	3494717	Gmdrm	hypo	CG	-0.9589
Gm01	3521739	3521914	Gmdrm	hypo	CG	-0.46
Gm01	3522708	3522772	Gmdrm	hypo	CG	-0.6967
Gm01	3525504	3525642	Gmdrm	hypo	CG	-0.7783
Gm01	3529136	3529419	Gmdrm	hypo	CG	-0.6444

Gm01	3529753	3529799	Gmdrm	hypo	CG	-0.24
Gm01	3541363	3541651	Gmdrm	hypo	CG	-0.4831
Gm01	3542495	3542579	Gmdrm	hypo	CG	-0.6766
Gm01	3548420	3548505	Gmdrm	hypo	CG	-0.8933
Gm01	3550336	3550412	Gmdrm	hypo	CG	-0.798
Gm01	3550702	3550796	Gmdrm	hypo	CG	-0.496
Gm01	3567656	3567825	Gmdrm	hypo	CG	-0.2941
Gm01	3570930	3571020	Gmdrm	hypo	CG	-0.6684
Gm01	3572756	3572953	Gmdrm	hypo	CG	-0.825
Gm01	3592328	3592459	Gmdrm	hypo	CG	-0.349
Gm01	3592669	3592866	Gmdrm	hypo	CG	-0.2274
Gm01	3596906	3597075	Gmdrm	hypo	CG	-0.915
Gm01	3612039	3612100	Gmdrm	hypo	CG	-0.8016
Gm01	3612878	3612939	Gmdrm	hypo	CG	-0.9167
Gm01	3643081	3643107	Gmdrm	hypo	CG	-0.3883
Gm01	3654310	3654504	Gmdrm	hypo	CG	-0.245
Gm01	3654609	3654694	Gmdrm	hypo	CG	-0.575
Gm01	3655401	3655581	Gmdrm	hypo	CG	-0.52
Gm01	3656006	3656042	Gmdrm	hypo	CG	-0.7834
Gm01	3657557	3657776	Gmdrm	hypo	CG	-0.1195
Gm01	3665738	3665929	Gmdrm	hypo	CG	-0.2378
Gm01	3688116	3688272	Gmdrm	hypo	CG	-0.5234
Gm01	3695547	3695657	Gmdrm	hypo	CG	-0.233
Gm01	3700544	3700677	Gmdrm	hypo	CG	-0.822
Gm01	3700880	3701038	Gmdrm	hypo	CG	-0.848
Gm01	3716719	3716924	Gmdrm	hypo	CG	-0.34
Gm01	3720280	3720398	Gmdrm	hypo	CG	-0.5792
Gm01	3720619	3720773	Gmdrm	hypo	CG	-0.9044
Gm01	3723588	3723745	Gmdrm	hypo	CG	-0.905
Gm01	3736037	3736208	Gmdrm	hypo	CG	-0.7413
Gm01	3744917	3745138	Gmdrm	hypo	CG	-0.8487
Gm01	3747799	3747856	Gmdrm	hypo	CG	-0.398
Gm01	3847891	3847951	Gmdrm	hypo	CG	-0.9267
Gm01	3880623	3880890	Gmdrm	hypo	CG	-0.14
Gm01	3884209	3884321	Gmdrm	hypo	CG	-0.3362
Gm01	3891837	3892031	Gmdrm	hypo	CG	-0.645
Gm01	3892417	3892468	Gmdrm	hypo	CG	-0.9683
Gm01	3894408	3894490	Gmdrm	hypo	CG	-0.9458
Gm01	3895762	3895920	Gmdrm	hypo	CG	-0.215
Gm01	3896172	3896327	Gmdrm	hypo	CG	-0.4419
Gm01	3904955	3905034	Gmdrm	hypo	CG	-0.9185
Gm01	3915890	3915960	Gmdrm	hypo	CG	-0.475
Gm01	3917411	3917687	Gmdrm	hypo	CG	-0.2268
Gm01	3929470	3929590	Gmdrm	hypo	CG	-0.6862
Gm01	3945483	3945776	Gmdrm	hypo	CG	-0.1966
Gm01	3953178	3953390	Gmdrm	hypo	CG	-0.0729

Gm01	3960701	3960798 Gmdrm	hypo	CG	-0.7066
Gm01	3973568	3973608 Gmdrm	hypo	CG	-0.9733
Gm01	3981757	3981875 Gmdrm	hypo	CG	-0.0658
Gm01	3982008	3982724 Gmdrm	hypo	CG	-0.2537
Gm01	3985569	3986217 Gmdrm	hypo	CG	-0.3533
Gm01	3990781	3990869 Gmdrm	hypo	CG	-0.745
Gm01	4032627	4032761 Gmdrm	hypo	CG	-0.8834
Gm01	4033556	4033675 Gmdrm	hypo	CG	-0.6025
Gm01	4052707	4052856 Gmdrm	hypo	CG	-0.88
Gm01	4067683	4067719 Gmdrm	hypo	CG	-0.9575
Gm01	4070306	4070451 Gmdrm	hypo	CG	-0.5316
Gm01	4074470	4075039 Gmdrm	hypo	CG	-0.6246
Gm01	4079647	4079931 Gmdrm	hypo	CG	-0.1703
Gm01	4080050	4080339 Gmdrm	hypo	CG	-0.5544
Gm01	4080738	4080933 Gmdrm	hypo	CG	-0.4467
Gm01	4090060	4090397 Gmdrm	hypo	CG	-0.4362
Gm01	4090572	4090991 Gmdrm	hypo	CG	-0.7616
Gm01	4092283	4092502 Gmdrm	hypo	CG	-0.52
Gm01	4096101	4096242 Gmdrm	hypo	CG	-0.745
Gm01	4096850	4097276 Gmdrm	hypo	CG	-0.4487
Gm01	4118903	4119378 Gmdrm	hypo	CG	-0.8126
Gm01	4121231	4121576 Gmdrm	hypo	CG	-0.7875
Gm01	4148239	4148261 Gmdrm	hypo	CG	-0.8867
Gm01	4193057	4193226 Gmdrm	hypo	CG	-0.616
Gm01	4195378	4195576 Gmdrm	hypo	CG	-0.5118
Gm01	4195780	4195824 Gmdrm	hypo	CG	-0.674
Gm01	4197020	4197325 Gmdrm	hypo	CG	-0.3529
Gm01	4201782	4201805 Gmdrm	hypo	CG	-0.545
Gm01	4201914	4201929 Gmdrm	hypo	CG	-0.7467
Gm01	4213564	4213935 Gmdrm	hypo	CG	-0.0471
Gm01	4228409	4228438 Gmdrm	hypo	CG	-0.62
Gm01	4236529	4236622 Gmdrm	hypo	CG	-0.9317
Gm01	4236805	4236848 Gmdrm	hypo	CG	-0.69
Gm01	4245424	4245689 Gmdrm	hypo	CG	-0.0325
Gm01	4256434	4256538 Gmdrm	hypo	CG	-0.4916
Gm01	4258531	4258753 Gmdrm	hypo	CG	-0.3467
Gm01	4272540	4272797 Gmdrm	hypo	CG	-0.9279
Gm01	4287451	4287686 Gmdrm	hypo	CG	-0.06
Gm01	4297337	4297457 Gmdrm	hypo	CG	-0.034
Gm01	4306522	4306539 Gmdrm	hypo	CG	-0.04
Gm01	4322046	4322290 Gmdrm	hypo	CG	-0.0341
Gm01	4333063	4333158 Gmdrm	hypo	CG	-0.0841
Gm01	4339879	4340036 Gmdrm	hypo	CG	-0.778
Gm01	4340165	4340305 Gmdrm	hypo	CG	-0.505
Gm01	4344709	4344875 Gmdrm	hypo	CG	-0.0767
Gm01	4352875	4353164 Gmdrm	hypo	CG	-0.1408

Gm01	4358813	4358926	Gmdrm	hypo	CG	-0.7163
Gm01	4396912	4396988	Gmdrm	hypo	CG	-0.9012
Gm01	4436677	4436731	Gmdrm	hypo	CG	-0.087
Gm01	4455506	4455688	Gmdrm	hypo	CG	-0.3572
Gm01	4456001	4456370	Gmdrm	hypo	CG	-0.1528
Gm01	4457714	4457985	Gmdrm	hypo	CG	-0.028
Gm01	4471003	4471225	Gmdrm	hypo	CG	-0.33
Gm01	4471451	4471839	Gmdrm	hypo	CG	-0.3957
Gm01	4494458	4494585	Gmdrm	hypo	CG	-0.0514
Gm01	4498083	4498099	Gmdrm	hypo	CG	-0.5633
Gm01	4508194	4508333	Gmdrm	hypo	CG	-0.2
Gm01	4520595	4520829	Gmdrm	hypo	CG	-0.8422
Gm01	4524968	4525222	Gmdrm	hypo	CG	-0.8146
Gm01	4535767	4536064	Gmdrm	hypo	CG	-0.8359
Gm01	4536883	4537170	Gmdrm	hypo	CG	-0.7889
Gm01	4537346	4537513	Gmdrm	hypo	CG	-0.9086
Gm01	4609806	4609900	Gmdrm	hypo	CG	-0.8034
Gm01	4622724	4622878	Gmdrm	hypo	CG	-0.1658
Gm01	4623011	4623229	Gmdrm	hypo	CG	-0.5375
Gm01	4623545	4623713	Gmdrm	hypo	CG	-0.2278
Gm01	4669181	4669313	Gmdrm	hypo	CG	-0.59
Gm01	4669479	4669537	Gmdrm	hypo	CG	-0.8238
Gm01	4682466	4682641	Gmdrm	hypo	CG	-0.78
Gm01	4683021	4683100	Gmdrm	hypo	CG	-0.0738
Gm01	4689877	4690050	Gmdrm	hypo	CG	-0.5475
Gm01	4715298	4715422	Gmdrm	hypo	CG	-0.3525
Gm01	4740581	4740911	Gmdrm	hypo	CG	-0.864
Gm01	4753571	4753764	Gmdrm	hypo	CG	-0.4856
Gm01	4759714	4760246	Gmdrm	hypo	CG	-0.7828
Gm01	4770284	4770469	Gmdrm	hypo	CG	-0.4877
Gm01	4780484	4780836	Gmdrm	hypo	CG	-0.6564
Gm01	4783071	4783295	Gmdrm	hypo	CG	-0.6311
Gm01	4795489	4795880	Gmdrm	hypo	CG	-0.1316
Gm01	4805052	4805278	Gmdrm	hypo	CG	-0.9677
Gm01	4808305	4808885	Gmdrm	hypo	CG	-0.0399
Gm01	4823120	4823171	Gmdrm	hypo	CG	-0.402
Gm01	4823364	4823640	Gmdrm	hypo	CG	-0.5836
Gm01	4830326	4830417	Gmdrm	hypo	CG	-0.958
Gm01	4849123	4849981	Gmdrm	hypo	CG	-0.0334
Gm01	4911781	4911914	Gmdrm	hypo	CG	-0.88
Gm01	4921816	4921968	Gmdrm	hypo	CG	-0.657
Gm01	4927903	4928020	Gmdrm	hypo	CG	-0.1104
Gm01	4937465	4937692	Gmdrm	hypo	CG	-0.8592
Gm01	4939210	4939378	Gmdrm	hypo	CG	-0.0772
Gm01	4972197	4972234	Gmdrm	hypo	CG	-0.6817
Gm01	4972343	4972555	Gmdrm	hypo	CG	-0.2786

Gm01	4977316	4977388 Gmdrm	hypo	CG	-0.572
Gm01	4984619	4984728 Gmdrm	hypo	CG	-0.9316
Gm01	4987646	4987757 Gmdrm	hypo	CG	-0.322
Gm01	5003452	5003689 Gmdrm	hypo	CG	-0.4976
Gm01	5017491	5017647 Gmdrm	hypo	CG	-0.6579
Gm01	5025232	5025362 Gmdrm	hypo	CG	-0.2934
Gm01	5034005	5034287 Gmdrm	hypo	CG	-0.033
Gm01	5037558	5038237 Gmdrm	hypo	CG	-0.0283
Gm01	5069317	5069498 Gmdrm	hypo	CG	-0.831
Gm01	5069656	5069840 Gmdrm	hypo	CG	-0.9562
Gm01	5078063	5078260 Gmdrm	hypo	CG	-0.6664
Gm01	5147913	5148493 Gmdrm	hypo	CG	-0.23
Gm01	5199649	5199889 Gmdrm	hypo	CG	-0.0888
Gm01	5221271	5221350 Gmdrm	hypo	CG	-0.683
Gm01	5237183	5237370 Gmdrm	hypo	CG	-0.093
Gm01	5246573	5246675 Gmdrm	hypo	CG	-0.4667
Gm01	5251064	5251230 Gmdrm	hypo	CG	-0.695
Gm01	5251990	5252205 Gmdrm	hypo	CG	-0.574
Gm01	5262811	5262855 Gmdrm	hypo	CG	-0.9467
Gm01	5263373	5263609 Gmdrm	hypo	CG	-0.9205
Gm01	5267190	5267262 Gmdrm	hypo	CG	-0.8317
Gm01	5267524	5267723 Gmdrm	hypo	CG	-0.7533
Gm01	5272854	5273039 Gmdrm	hypo	CG	-0.0483
Gm01	5273901	5274036 Gmdrm	hypo	CG	-0.2355
Gm01	5274402	5274672 Gmdrm	hypo	CG	-0.551
Gm01	5275862	5276052 Gmdrm	hypo	CG	-0.779
Gm01	5277734	5277980 Gmdrm	hypo	CG	-0.5545
Gm01	5278259	5278453 Gmdrm	hypo	CG	-0.565
Gm01	5280637	5281606 Gmdrm	hypo	CG	-0.0255
Gm01	5282515	5283137 Gmdrm	hypo	CG	-0.0697
Gm01	5293385	5293515 Gmdrm	hypo	CG	-0.6531
Gm01	5297082	5297243 Gmdrm	hypo	CG	-0.456
Gm01	5303085	5303178 Gmdrm	hypo	CG	-0.3625
Gm01	5303289	5303504 Gmdrm	hypo	CG	-0.3125
Gm01	5307072	5307272 Gmdrm	hypo	CG	-0.5038
Gm01	5307845	5308251 Gmdrm	hypo	CG	-0.5354
Gm01	5312966	5313166 Gmdrm	hypo	CG	-0.7447
Gm01	5313826	5313965 Gmdrm	hypo	CG	-0.0283
Gm01	5323242	5323306 Gmdrm	hypo	CG	-0.104
Gm01	5323514	5323669 Gmdrm	hypo	CG	-0.6887
Gm01	5325059	5325163 Gmdrm	hypo	CG	-0.8016
Gm01	5342167	5342490 Gmdrm	hypo	CG	-0.5391
Gm01	5351258	5351379 Gmdrm	hypo	CG	-0.1525
Gm01	5362402	5362493 Gmdrm	hypo	CG	-0.8206
Gm01	5373928	5374060 Gmdrm	hypo	CG	-0.743
Gm01	5414439	5414732 Gmdrm	hypo	CG	-0.3827

Gm01	5439385	5439578 Gmdrm	hypo	CG	-0.046
Gm01	5444028	5444178 Gmdrm	hypo	CG	-0.7338
Gm01	5454809	5455045 Gmdrm	hypo	CG	-0.185
Gm01	5470371	5470565 Gmdrm	hypo	CG	-0.0683
Gm01	5476924	5476987 Gmdrm	hypo	CG	-0.485
Gm01	5502258	5502848 Gmdrm	hypo	CG	-0.4285
Gm01	5503536	5503748 Gmdrm	hypo	CG	-0.6867
Gm01	5509508	5509526 Gmdrm	hypo	CG	-0.412
Gm01	5513998	5514453 Gmdrm	hypo	CG	-0.4834
Gm01	5527076	5527225 Gmdrm	hypo	CG	-0.2767
Gm01	5531204	5531243 Gmdrm	hypo	CG	-0.79
Gm01	5596793	5596911 Gmdrm	hypo	CG	-0.84
Gm01	5597480	5597609 Gmdrm	hypo	CG	-0.0683
Gm01	5619122	5619344 Gmdrm	hypo	CG	-0.7992
Gm01	5621377	5621471 Gmdrm	hypo	CG	-0.5317
Gm01	5647164	5647344 Gmdrm	hypo	CG	-0.7513
Gm01	5662376	5662530 Gmdrm	hypo	CG	-0.74
Gm01	5664408	5664891 Gmdrm	hypo	CG	-0.2073
Gm01	5665536	5665662 Gmdrm	hypo	CG	-0.2592
Gm01	5666285	5666473 Gmdrm	hypo	CG	-0.1022
Gm01	5693111	5693340 Gmdrm	hypo	CG	-0.47
Gm01	5694415	5694514 Gmdrm	hypo	CG	-0.04
Gm01	5706662	5706823 Gmdrm	hypo	CG	-0.52
Gm01	5758357	5758456 Gmdrm	hypo	CG	-0.42
Gm01	5762239	5762363 Gmdrm	hypo	CG	-0.7017
Gm01	5770930	5771411 Gmdrm	hypo	CG	-0.0361
Gm01	5773990	5774696 Gmdrm	hypo	CG	-0.0414
Gm01	5791190	5791362 Gmdrm	hypo	CG	-0.042
Gm01	5792884	5793044 Gmdrm	hypo	CG	-0.5566
Gm01	5807341	5807587 Gmdrm	hypo	CG	-0.36
Gm01	5807723	5807872 Gmdrm	hypo	CG	-0.7188
Gm01	5819409	5819560 Gmdrm	hypo	CG	-0.9289
Gm01	5845161	5845377 Gmdrm	hypo	CG	-0.6293
Gm01	5845737	5845835 Gmdrm	hypo	CG	-0.9563
Gm01	5853290	5853417 Gmdrm	hypo	CG	-0.8071
Gm01	5855654	5855771 Gmdrm	hypo	CG	-0.4633
Gm01	5874632	5874793 Gmdrm	hypo	CG	-0.256
Gm01	5894543	5894691 Gmdrm	hypo	CG	-0.8317
Gm01	5907682	5907987 Gmdrm	hypo	CG	-0.53
Gm01	5919671	5919843 Gmdrm	hypo	CG	-0.058
Gm01	5938215	5939057 Gmdrm	hypo	CG	-0.0528
Gm01	5948525	5948621 Gmdrm	hypo	CG	-0.829
Gm01	5951049	5951196 Gmdrm	hypo	CG	-0.1188
Gm01	5951624	5951853 Gmdrm	hypo	CG	-0.675
Gm01	5976132	5976175 Gmdrm	hypo	CG	-0.325
Gm01	5980325	5980407 Gmdrm	hypo	CG	-0.9387

Gm01	6021095	6021459	Gmdrm	hypo	CG	-0.3675
Gm01	6049288	6049358	Gmdrm	hypo	CG	-0.032
Gm01	6053226	6053348	Gmdrm	hypo	CG	-0.9376
Gm01	6059903	6060140	Gmdrm	hypo	CG	-0.195
Gm01	6063462	6063481	Gmdrm	hypo	CG	-0.4267
Gm01	6064336	6064625	Gmdrm	hypo	CG	-0.2605
Gm01	6085948	6086215	Gmdrm	hypo	CG	-0.0793
Gm01	6109290	6109494	Gmdrm	hypo	CG	-0.0487
Gm01	6175852	6175996	Gmdrm	hypo	CG	-0.0373
Gm01	6276088	6276115	Gmdrm	hypo	CG	-0.0517
Gm01	6301278	6301306	Gmdrm	hypo	CG	-0.512
Gm01	6301438	6302084	Gmdrm	hypo	CG	-0.8291
Gm01	6305084	6305204	Gmdrm	hypo	CG	-0.84
Gm01	6345048	6345593	Gmdrm	hypo	CG	-0.0364
Gm01	6354781	6354928	Gmdrm	hypo	CG	-0.3309
Gm01	6361290	6361404	Gmdrm	hypo	CG	-0.7037
Gm01	6362572	6362762	Gmdrm	hypo	CG	-0.0808
Gm01	6370960	6371775	Gmdrm	hypo	CG	-0.0471
Gm01	6486301	6487013	Gmdrm	hypo	CG	-0.042
Gm01	6563990	6564165	Gmdrm	hypo	CG	-0.05
Gm01	6581681	6581837	Gmdrm	hypo	CG	-0.122
Gm01	6585785	6585911	Gmdrm	hypo	CG	-0.3287
Gm01	6587342	6587613	Gmdrm	hypo	CG	-0.5731
Gm01	6591130	6591190	Gmdrm	hypo	CG	-0.9284
Gm01	6603222	6603279	Gmdrm	hypo	CG	-0.3233
Gm01	6605608	6605723	Gmdrm	hypo	CG	-0.8927
Gm01	6634609	6634825	Gmdrm	hypo	CG	-0.0755
Gm01	6638545	6639129	Gmdrm	hypo	CG	-0.0236
Gm01	6685661	6686363	Gmdrm	hypo	CG	-0.0494
Gm01	6725118	6725214	Gmdrm	hypo	CG	-0.795
Gm01	6728522	6728624	Gmdrm	hypo	CG	-0.487
Gm01	6729139	6729496	Gmdrm	hypo	CG	-0.4693
Gm01	6734902	6735439	Gmdrm	hypo	CG	-0.062
Gm01	6760898	6760996	Gmdrm	hypo	CG	-0.0649
Gm01	6761842	6761969	Gmdrm	hypo	CG	-0.1091
Gm01	6787356	6787458	Gmdrm	hypo	CG	-0.7267
Gm01	6812966	6813022	Gmdrm	hypo	CG	-0.8283
Gm01	6813381	6813632	Gmdrm	hypo	CG	-0.5767
Gm01	6815877	6816075	Gmdrm	hypo	CG	-0.4322
Gm01	6818396	6818501	Gmdrm	hypo	CG	-0.5642
Gm01	6834673	6834813	Gmdrm	hypo	CG	-0.51
Gm01	6841821	6842292	Gmdrm	hypo	CG	-0.3989
Gm01	6854195	6854935	Gmdrm	hypo	CG	-0.0518
Gm01	6864502	6865057	Gmdrm	hypo	CG	-0.1062
Gm01	6868447	6868520	Gmdrm	hypo	CG	-0.86
Gm01	6967222	6967326	Gmdrm	hypo	CG	-0.145

Gm01	6967443	6967576 Gmdrm	hypo	CG	-0.1362
Gm01	6995568	6995654 Gmdrm	hypo	CG	-0.9516
Gm01	6995832	6995931 Gmdrm	hypo	CG	-0.934
Gm01	7003278	7003420 Gmdrm	hypo	CG	-0.0483
Gm01	7011772	7012241 Gmdrm	hypo	CG	-0.3514
Gm01	7012445	7012554 Gmdrm	hypo	CG	-0.5257
Gm01	7012668	7012737 Gmdrm	hypo	CG	-0.39
Gm01	7013038	7013301 Gmdrm	hypo	CG	-0.2766
Gm01	7018643	7018780 Gmdrm	hypo	CG	-0.3717
Gm01	7021838	7021940 Gmdrm	hypo	CG	-0.2974
Gm01	7034201	7034348 Gmdrm	hypo	CG	-0.5912
Gm01	7035170	7035799 Gmdrm	hypo	CG	-0.1371
Gm01	7039169	7039313 Gmdrm	hypo	CG	-0.819
Gm01	7048897	7048965 Gmdrm	hypo	CG	-0.6517
Gm01	7053120	7053462 Gmdrm	hypo	CG	-0.0434
Gm01	7056875	7057001 Gmdrm	hypo	CG	-0.2115
Gm01	7068467	7068572 Gmdrm	hypo	CG	-0.62
Gm01	7069628	7069678 Gmdrm	hypo	CG	-0.225
Gm01	7070139	7070222 Gmdrm	hypo	CG	-0.415
Gm01	7070476	7070579 Gmdrm	hypo	CG	-0.7317
Gm01	7070920	7071051 Gmdrm	hypo	CG	-0.9083
Gm01	7144713	7144804 Gmdrm	hypo	CG	-0.9812
Gm01	7145676	7145748 Gmdrm	hypo	CG	-0.244
Gm01	7146587	7147006 Gmdrm	hypo	CG	-0.3813
Gm01	7233814	7233930 Gmdrm	hypo	CG	-0.95
Gm01	7256688	7256777 Gmdrm	hypo	CG	-0.6349
Gm01	7258606	7258904 Gmdrm	hypo	CG	-0.2028
Gm01	7259007	7259097 Gmdrm	hypo	CG	-0.3884
Gm01	7259686	7259973 Gmdrm	hypo	CG	-0.0884
Gm01	7264336	7264375 Gmdrm	hypo	CG	-0.0734
Gm01	7265870	7266435 Gmdrm	hypo	CG	-0.7085
Gm01	7283086	7283363 Gmdrm	hypo	CG	-0.4907
Gm01	7283763	7284137 Gmdrm	hypo	CG	-0.08
Gm01	7284345	7284462 Gmdrm	hypo	CG	-0.3542
Gm01	7289754	7289776 Gmdrm	hypo	CG	-0.22
Gm01	7295781	7295980 Gmdrm	hypo	CG	-0.0629
Gm01	7331742	7332217 Gmdrm	hypo	CG	-0.7239
Gm01	7333985	7334061 Gmdrm	hypo	CG	-0.966
Gm01	7334230	7334486 Gmdrm	hypo	CG	-0.7825
Gm01	7334742	7334850 Gmdrm	hypo	CG	-0.3233
Gm01	7336099	7336245 Gmdrm	hypo	CG	-0.468
Gm01	7339855	7340059 Gmdrm	hypo	CG	-0.6162
Gm01	7420340	7420373 Gmdrm	hypo	CG	-0.0363
Gm01	7426962	7427199 Gmdrm	hypo	CG	-0.0429
Gm01	7456995	7457068 Gmdrm	hypo	CG	-0.226
Gm01	7462989	7463115 Gmdrm	hypo	CG	-0.145

Gm01	7467888	7467943	Gmdrm	hypo	CG	-0.6467
Gm01	7470239	7470389	Gmdrm	hypo	CG	-0.9328
Gm01	7472910	7473042	Gmdrm	hypo	CG	-0.25
Gm01	7485832	7485865	Gmdrm	hypo	CG	-0.9017
Gm01	7490773	7490961	Gmdrm	hypo	CG	-0.7118
Gm01	7492365	7492460	Gmdrm	hypo	CG	-0.042
Gm01	7497807	7497912	Gmdrm	hypo	CG	-0.034
Gm01	7498837	7498994	Gmdrm	hypo	CG	-0.235
Gm01	7501247	7501391	Gmdrm	hypo	CG	-0.774
Gm01	7509609	7509720	Gmdrm	hypo	CG	-0.3667
Gm01	7609170	7609439	Gmdrm	hypo	CG	-0.5582
Gm01	7616709	7616838	Gmdrm	hypo	CG	-0.3816
Gm01	7620466	7620597	Gmdrm	hypo	CG	-0.321
Gm01	7646192	7646310	Gmdrm	hypo	CG	-0.2209
Gm01	7646419	7646695	Gmdrm	hypo	CG	-0.24
Gm01	7648564	7648719	Gmdrm	hypo	CG	-0.8725
Gm01	7652907	7653279	Gmdrm	hypo	CG	-0.1406
Gm01	7676570	7676767	Gmdrm	hypo	CG	-0.279
Gm01	7677839	7678385	Gmdrm	hypo	CG	-0.27
Gm01	7679637	7679755	Gmdrm	hypo	CG	-0.0334
Gm01	7704034	7704310	Gmdrm	hypo	CG	-0.4447
Gm01	7708553	7708705	Gmdrm	hypo	CG	-0.7818
Gm01	7713496	7713684	Gmdrm	hypo	CG	-0.8
Gm01	7753194	7753723	Gmdrm	hypo	CG	-0.0378
Gm01	7755279	7755555	Gmdrm	hypo	CG	-0.3367
Gm01	7759593	7759620	Gmdrm	hypo	CG	-0.7566
Gm01	7768041	7768123	Gmdrm	hypo	CG	-0.2013
Gm01	7768265	7768673	Gmdrm	hypo	CG	-0.808
Gm01	7770742	7770788	Gmdrm	hypo	CG	-0.3426
Gm01	7803761	7803869	Gmdrm	hypo	CG	-0.925
Gm01	7803970	7804143	Gmdrm	hypo	CG	-0.8667
Gm01	7818686	7818935	Gmdrm	hypo	CG	-0.084
Gm01	7892717	7893111	Gmdrm	hypo	CG	-0.0643
Gm01	7897205	7897285	Gmdrm	hypo	CG	-0.08
Gm01	7965963	7966037	Gmdrm	hypo	CG	-0.0916
Gm01	7977636	7977772	Gmdrm	hypo	CG	-0.237
Gm01	8069845	8069965	Gmdrm	hypo	CG	-0.065
Gm01	8080504	8080754	Gmdrm	hypo	CG	-0.845
Gm01	8081112	8081166	Gmdrm	hypo	CG	-0.944
Gm01	8103974	8104405	Gmdrm	hypo	CG	-0.1468
Gm01	8104611	8104753	Gmdrm	hypo	CG	-0.8033
Gm01	8123542	8123657	Gmdrm	hypo	CG	-0.1599
Gm01	8222640	8223640	Gmdrm	hypo	CG	-0.0229
Gm01	8322984	8323519	Gmdrm	hypo	CG	-0.0415
Gm01	8374696	8374966	Gmdrm	hypo	CG	-0.258
Gm01	8381203	8381526	Gmdrm	hypo	CG	-0.4154

Gm01	8382629	8382833	Gmdrm	hypo	CG	-0.7193
Gm01	8385094	8385254	Gmdrm	hypo	CG	-0.9116
Gm01	8388960	8389048	Gmdrm	hypo	CG	-0.065
Gm01	8404589	8404764	Gmdrm	hypo	CG	-0.3243
Gm01	8411363	8411777	Gmdrm	hypo	CG	-0.3855
Gm01	8416336	8416515	Gmdrm	hypo	CG	-0.297
Gm01	8427186	8427339	Gmdrm	hypo	CG	-0.778
Gm01	8429762	8429900	Gmdrm	hypo	CG	-0.7287
Gm01	8491412	8491487	Gmdrm	hypo	CG	-0.6188
Gm01	8496710	8496729	Gmdrm	hypo	CG	-0.2867
Gm01	8509121	8509567	Gmdrm	hypo	CG	-0.2322
Gm01	8509735	8509854	Gmdrm	hypo	CG	-0.2233
Gm01	8516744	8516865	Gmdrm	hypo	CG	-0.9474
Gm01	8517470	8517694	Gmdrm	hypo	CG	-0.095
Gm01	8521045	8521203	Gmdrm	hypo	CG	-0.66
Gm01	8525621	8525636	Gmdrm	hypo	CG	-0.77
Gm01	8526497	8526533	Gmdrm	hypo	CG	-0.5067
Gm01	8550063	8550274	Gmdrm	hypo	CG	-0.552
Gm01	8598306	8598371	Gmdrm	hypo	CG	-0.9033
Gm01	8598533	8598878	Gmdrm	hypo	CG	-0.4228
Gm01	8607487	8607653	Gmdrm	hypo	CG	-0.7737
Gm01	8652444	8652545	Gmdrm	hypo	CG	-0.72
Gm01	8652653	8652696	Gmdrm	hypo	CG	-0.44
Gm01	8653378	8653515	Gmdrm	hypo	CG	-0.035
Gm01	8653633	8653767	Gmdrm	hypo	CG	-0.03
Gm01	8655180	8655378	Gmdrm	hypo	CG	-0.5
Gm01	8667462	8667494	Gmdrm	hypo	CG	-0.2341
Gm01	8688906	8688990	Gmdrm	hypo	CG	-0.2017
Gm01	8693860	8694114	Gmdrm	hypo	CG	-0.7673
Gm01	8708762	8708984	Gmdrm	hypo	CG	-0.0829
Gm01	8719188	8719331	Gmdrm	hypo	CG	-0.1529
Gm01	8743802	8744175	Gmdrm	hypo	CG	-0.15
Gm01	8751008	8751428	Gmdrm	hypo	CG	-0.0279
Gm01	8756041	8756082	Gmdrm	hypo	CG	-0.1383
Gm01	8794283	8794943	Gmdrm	hypo	CG	-0.0549
Gm01	8799478	8799614	Gmdrm	hypo	CG	-0.233
Gm01	8835550	8836128	Gmdrm	hypo	CG	-0.0937
Gm01	8840186	8841154	Gmdrm	hypo	CG	-0.0309
Gm01	8850857	8851211	Gmdrm	hypo	CG	-0.1093
Gm01	8869776	8869796	Gmdrm	hypo	CG	-0.6717
Gm01	8880485	8880732	Gmdrm	hypo	CG	-0.0422
Gm01	8922729	8922891	Gmdrm	hypo	CG	-0.7783
Gm01	8923153	8923230	Gmdrm	hypo	CG	-0.9325
Gm01	8926301	8926494	Gmdrm	hypo	CG	-0.6833
Gm01	8953634	8953846	Gmdrm	hypo	CG	-0.4328
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Gm01	8964065	8964299	Gmdrm	hypo	CG	-0.0693
Gm01	9044708	9044955	Gmdrm	hypo	CG	-0.8834
Gm01	9051930	9052035	Gmdrm	hypo	CG	-0.794
Gm01	9078343	9078453	Gmdrm	hypo	CG	-0.0962
Gm01	9090300	9090360	Gmdrm	hypo	CG	-0.54
Gm01	9162713	9162854	Gmdrm	hypo	CG	-0.0963
Gm01	9240676	9240795	Gmdrm	hypo	CG	-0.325
Gm01	9251312	9251422	Gmdrm	hypo	CG	-0.078
Gm01	9258436	9258565	Gmdrm	hypo	CG	-0.575
Gm01	9263915	9264030	Gmdrm	hypo	CG	-0.791
Gm01	9336940	9337165	Gmdrm	hypo	CG	-0.0663
Gm01	9369114	9369143	Gmdrm	hypo	CG	-0.215
Gm01	9452597	9453148	Gmdrm	hypo	CG	-0.0496
Gm01	9474740	9474906	Gmdrm	hypo	CG	-0.0925
Gm01	9476150	9476237	Gmdrm	hypo	CG	-0.5613
Gm01	9517065	9517398	Gmdrm	hypo	CG	-0.3642
Gm01	9569957	9569981	Gmdrm	hypo	CG	-0.085
Gm01	9613224	9613454	Gmdrm	hypo	CG	-0.4557
Gm01	9672804	9673071	Gmdrm	hypo	CG	-0.6617
Gm01	9678728	9678834	Gmdrm	hypo	CG	-0.1583
Gm01	9679428	9679678	Gmdrm	hypo	CG	-0.449
Gm01	9680222	9680264	Gmdrm	hypo	CG	-0.7362
Gm01	9685676	9685763	Gmdrm	hypo	CG	-0.618
Gm01	9751218	9751411	Gmdrm	hypo	CG	-0.8663
Gm01	9754519	9754665	Gmdrm	hypo	CG	-0.698
Gm01	9779429	9779500	Gmdrm	hypo	CG	-0.1525
Gm01	9788158	9788319	Gmdrm	hypo	CG	-0.09
Gm01	9799804	9799956	Gmdrm	hypo	CG	-0.796
Gm01	9801121	9801301	Gmdrm	hypo	CG	-0.1785
Gm01	9806857	9807031	Gmdrm	hypo	CG	-0.1433
Gm01	9866001	9866721	Gmdrm	hypo	CG	-0.0394
Gm01	9874043	9874398	Gmdrm	hypo	CG	-0.2248
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Gm01	9877853	9878129	Gmdrm	hypo	CG	-0.2833
Gm01	9879079	9879566	Gmdrm	hypo	CG	-0.0243
Gm01	10012315	10012440	Gmdrm	hypo	CG	-0.4713
Gm01	10054290	10054350	Gmdrm	hypo	CG	-0.95
Gm01	10060671	10060782	Gmdrm	hypo	CG	-0.6233
Gm01	10062681	10062782	Gmdrm	hypo	CG	-0.0563
Gm01	10117676	10117916	Gmdrm	hypo	CG	-0.306
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Gm01	10308042	10308432	Gmdrm	hypo	CG	-0.0496
Gm01	10310739	10310846	Gmdrm	hypo	CG	-0.0449
Gm01	10501282	10501412	Gmdrm	hypo	CG	-0.104
Gm01	10552972	10553404	Gmdrm	hypo	CG	-0.0963
Gm01	10608720	10608779	Gmdrm	hypo	CG	-0.9533
Gm01	10644436	10644764	Gmdrm	hypo	CG	-0.11
Gm01	10658527	10658800	Gmdrm	hypo	CG	-0.0708
Gm01	10684614	10684667	Gmdrm	hypo	CG	-0.0533
Gm01	10706295	10707148	Gmdrm	hypo	CG	-0.0162
Gm01	10722935	10723228	Gmdrm	hypo	CG	-0.0215
Gm01	10732090	10732149	Gmdrm	hypo	CG	-0.0413
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Gm01	10937975	10938241	Gmdrm	hypo	CG	-0.603
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Gm01	10984937	10985832	Gmdrm	hypo	CG	-0.0277
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Gm01	11116598	11116766	Gmdrm	hypo	CG	-0.1216
Gm01	11157412	11157604	Gmdrm	hypo	CG	-0.1089
Gm01	11160076	11160213	Gmdrm	hypo	CG	-0.484
Gm01	11186691	11186953	Gmdrm	hypo	CG	-0.07
Gm01	11223074	11223191	Gmdrm	hypo	CG	-0.0587
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Gm01	11239825	11239904	Gmdrm	hypo	CG	-0.7243
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Gm01	11315715	11315755	Gmdrm	hypo	CG	-0.7134
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Gm01	11413440	11413596	Gmdrm	hypo	CG	-0.05
Gm01	11444015	11444394	Gmdrm	hypo	CG	-0.0781
Gm01	11476097	11476181	Gmdrm	hypo	CG	-0.058
Gm01	11499406	11499499	Gmdrm	hypo	CG	-0.255
Gm01	11579597	11579867	Gmdrm	hypo	CG	-0.1009
Gm01	11608525	11609001	Gmdrm	hypo	CG	-0.0529
Gm01	11621347	11621408	Gmdrm	hypo	CG	-0.1184
Gm01	11625679	11626224	Gmdrm	hypo	CG	-0.0331

Gm01	11684958	11685124	Gmdrm	hypo	CG	-0.2767
Gm01	11695295	11695615	Gmdrm	hypo	CG	-0.3158
Gm01	11714108	11714223	Gmdrm	hypo	CG	-0.3791
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Gm01	11726502	11726748	Gmdrm	hypo	CG	-0.933
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Gm01	11857288	11857336	Gmdrm	hypo	CG	-0.0815
Gm01	11902271	11902391	Gmdrm	hypo	CG	-0.0357
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Gm01	12015162	12015192	Gmdrm	hypo	CG	-0.37
Gm01	12018679	12019037	Gmdrm	hypo	CG	-0.1832
Gm01	12022742	12022905	Gmdrm	hypo	CG	-0.8558
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Gm01	12064121	12065111	Gmdrm	hypo	CG	-0.0352
Gm01	12141485	12141562	Gmdrm	hypo	CG	-0.0733
Gm01	12312610	12313610	Gmdrm	hypo	CG	-0.0296
Gm01	12319797	12319824	Gmdrm	hypo	CG	-0.2383
Gm01	12433052	12433440	Gmdrm	hypo	CG	-0.2066
Gm01	12443886	12444488	Gmdrm	hypo	CG	-0.0312
Gm01	12549817	12550062	Gmdrm	hypo	CG	-0.249
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Gm01	12598115	12598263	Gmdrm	hypo	CG	-0.051
Gm01	12627759	12628342	Gmdrm	hypo	CG	-0.0283
Gm01	12692634	12692912	Gmdrm	hypo	CG	-0.0455
Gm01	12708098	12708490	Gmdrm	hypo	CG	-0.0494
Gm01	12758134	12758238	Gmdrm	hypo	CG	-0.6766
Gm01	12806270	12806383	Gmdrm	hypo	CG	-0.0567
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Gm01	12883279	12883431	Gmdrm	hypo	CG	-0.225
Gm01	12883586	12883703	Gmdrm	hypo	CG	-0.9609
Gm01	12884967	12885141	Gmdrm	hypo	CG	-0.0333
Gm01	12911139	12911249	Gmdrm	hypo	CG	-0.7515
Gm01	12917927	12918109	Gmdrm	hypo	CG	-0.0417
Gm01	12918778	12918865	Gmdrm	hypo	CG	-0.76
Gm01	12930795	12930944	Gmdrm	hypo	CG	-0.926
Gm01	13011548	13011806	Gmdrm	hypo	CG	-0.0404
Gm01	13028871	13028981	Gmdrm	hypo	CG	-0.1283
Gm01	13064722	13064865	Gmdrm	hypo	CG	-0.0319
Gm01	13082293	13082392	Gmdrm	hypo	CG	-0.918
Gm01	13083212	13083311	Gmdrm	hypo	CG	-0.62
Gm01	13084627	13085076	Gmdrm	hypo	CG	-0.5946
Gm01	13086769	13086907	Gmdrm	hypo	CG	-0.128

Gm01	13087053	13087270	Gmdrm	hypo	CG	-0.2116
Gm01	13096945	13097385	Gmdrm	hypo	CG	-0.0483
Gm01	13112516	13112617	Gmdrm	hypo	CG	-0.0967
Gm01	13175471	13176436	Gmdrm	hypo	CG	-0.0418
Gm01	13264183	13264309	Gmdrm	hypo	CG	-0.048
Gm01	13337402	13337515	Gmdrm	hypo	CG	-0.768
Gm01	13415973	13416112	Gmdrm	hypo	CG	-0.47
Gm01	13441085	13441380	Gmdrm	hypo	CG	-0.7107
Gm01	13614637	13615522	Gmdrm	hypo	CG	-0.0431
Gm01	13992532	13992765	Gmdrm	hypo	CG	-0.2213
Gm01	14046597	14046643	Gmdrm	hypo	CG	-0.09
Gm01	14057993	14058219	Gmdrm	hypo	CG	-0.0443
Gm01	14090026	14090270	Gmdrm	hypo	CG	-0.1791
Gm01	14159867	14160137	Gmdrm	hypo	CG	-0.084
Gm01	14177070	14177674	Gmdrm	hypo	CG	-0.05
Gm01	14181298	14181704	Gmdrm	hypo	CG	-0.037
Gm01	14342164	14342752	Gmdrm	hypo	CG	-0.0618
Gm01	14394782	14395355	Gmdrm	hypo	CG	-0.0538
Gm01	14404515	14404673	Gmdrm	hypo	CG	-0.0783
Gm01	14407894	14408256	Gmdrm	hypo	CG	-0.042
Gm01	14466139	14467130	Gmdrm	hypo	CG	-0.0256
Gm01	14574861	14575269	Gmdrm	hypo	CG	-0.0685
Gm01	14606501	14606656	Gmdrm	hypo	CG	-0.085
Gm01	14606784	14606919	Gmdrm	hypo	CG	-0.0929
Gm01	14638545	14638757	Gmdrm	hypo	CG	-0.058
Gm01	14739719	14740177	Gmdrm	hypo	CG	-0.061
Gm01	14749672	14750613	Gmdrm	hypo	CG	-0.0141
Gm01	14813691	14814085	Gmdrm	hypo	CG	-0.0288
Gm01	15187770	15188750	Gmdrm	hypo	CG	-0.0259
Gm01	15266672	15267600	Gmdrm	hypo	CG	-0.0314
Gm01	15346227	15346334	Gmdrm	hypo	CG	-0.1137
Gm01	15346989	15347970	Gmdrm	hypo	CG	-0.0373
Gm01	15372708	15372890	Gmdrm	hypo	CG	-0.1641
Gm01	15373039	15373235	Gmdrm	hypo	CG	-0.378
Gm01	15397122	15397197	Gmdrm	hypo	CG	-0.0583
Gm01	15413184	15413728	Gmdrm	hypo	CG	-0.0544
Gm01	15477620	15478038	Gmdrm	hypo	CG	-0.0545
Gm01	15637374	15637430	Gmdrm	hypo	CG	-0.06
Gm01	15642056	15642129	Gmdrm	hypo	CG	-0.1783
Gm01	15685927	15686459	Gmdrm	hypo	CG	-0.1382
Gm01	15717268	15717411	Gmdrm	hypo	CG	-0.17
Gm01	15768652	15768845	Gmdrm	hypo	CG	-0.143
Gm01	15830645	15830848	Gmdrm	hypo	CG	-0.1318
Gm01	15883125	15883274	Gmdrm	hypo	CG	-0.1184
Gm01	15892758	15892972	Gmdrm	hypo	CG	-0.0694
Gm01	15910709	15910997	Gmdrm	hypo	CG	-0.0887

Gm01	15939486	15939579	Gmdrm	hypo	CG	-0.785
Gm01	15973410	15973694	Gmdrm	hypo	CG	-0.085
Gm01	15974156	15974517	Gmdrm	hypo	CG	-0.0407
Gm01	15987913	15988895	Gmdrm	hypo	CG	-0.0249
Gm01	15990371	15990699	Gmdrm	hypo	CG	-0.052
Gm01	15992528	15992710	Gmdrm	hypo	CG	-0.354
Gm01	16002512	16002657	Gmdrm	hypo	CG	-0.075
Gm01	16003103	16003200	Gmdrm	hypo	CG	-0.065
Gm01	16011617	16011837	Gmdrm	hypo	CG	-0.0893
Gm01	16120256	16120540	Gmdrm	hypo	CG	-0.1142
Gm01	16177091	16177303	Gmdrm	hypo	CG	-0.0653
Gm01	16271834	16271953	Gmdrm	hypo	CG	-0.7675
Gm01	16273650	16273736	Gmdrm	hypo	CG	-0.1145
Gm01	16321165	16321753	Gmdrm	hypo	CG	-0.0437
Gm01	16334274	16334460	Gmdrm	hypo	CG	-0.105
Gm01	16394297	16394632	Gmdrm	hypo	CG	-0.0312
Gm01	16400220	16400538	Gmdrm	hypo	CG	-0.0629
Gm01	16406778	16407078	Gmdrm	hypo	CG	-0.044
Gm01	16526821	16527072	Gmdrm	hypo	CG	-0.0434
Gm01	16533976	16534723	Gmdrm	hypo	CG	-0.0238
Gm01	16544021	16544564	Gmdrm	hypo	CG	-0.0498
Gm01	16574821	16575267	Gmdrm	hypo	CG	-0.0523
Gm01	16634573	16634783	Gmdrm	hypo	CG	-0.0617
Gm01	16707061	16707172	Gmdrm	hypo	CG	-0.1417
Gm01	16926493	16926747	Gmdrm	hypo	CG	-0.0887
Gm01	16985189	16985354	Gmdrm	hypo	CG	-0.7034
Gm01	16994892	16994912	Gmdrm	hypo	CG	-0.28
Gm01	17031718	17031968	Gmdrm	hypo	CG	-0.1627
Gm01	17039889	17040016	Gmdrm	hypo	CG	-0.25
Gm01	17041126	17041275	Gmdrm	hypo	CG	-0.088
Gm01	17047870	17047936	Gmdrm	hypo	CG	-0.8862
Gm01	17068563	17068655	Gmdrm	hypo	CG	-0.1033
Gm01	17195590	17195740	Gmdrm	hypo	CG	-0.102
Gm01	17220761	17221350	Gmdrm	hypo	CG	-0.0383
Gm01	17221533	17222017	Gmdrm	hypo	CG	-0.045
Gm01	17224285	17224538	Gmdrm	hypo	CG	-0.1334
Gm01	17229246	17229416	Gmdrm	hypo	CG	-0.0278
Gm01	17290829	17290956	Gmdrm	hypo	CG	-0.5017
Gm01	17339012	17339095	Gmdrm	hypo	CG	-0.0787
Gm01	17411684	17412004	Gmdrm	hypo	CG	-0.0486
Gm01	17435926	17436486	Gmdrm	hypo	CG	-0.0582
Gm01	17444848	17445587	Gmdrm	hypo	CG	-0.0198
Gm01	17448466	17448818	Gmdrm	hypo	CG	-0.3533
Gm01	17535241	17535392	Gmdrm	hypo	CG	-0.0475
Gm01	17624294	17624395	Gmdrm	hypo	CG	-0.174
Gm01	17626513	17627059	Gmdrm	hypo	CG	-0.0469

Gm01	17672928	17673568	Gmdrm	hypo	CG	-0.0573
Gm01	17699442	17699843	Gmdrm	hypo	CG	-0.035
Gm01	17716759	17717309	Gmdrm	hypo	CG	-0.0505
Gm01	17717600	17718011	Gmdrm	hypo	CG	-0.0455
Gm01	17724053	17724125	Gmdrm	hypo	CG	-0.0617
Gm01	17800419	17801413	Gmdrm	hypo	CG	-0.0358
Gm01	17802616	17803476	Gmdrm	hypo	CG	-0.0583
Gm01	17908000	17908115	Gmdrm	hypo	CG	-0.746
Gm01	17993732	17994040	Gmdrm	hypo	CG	-0.13
Gm01	18020755	18021565	Gmdrm	hypo	CG	-0.0439
Gm01	18039855	18040261	Gmdrm	hypo	CG	-0.0506
Gm01	18042327	18042479	Gmdrm	hypo	CG	-0.0589
Gm01	18081328	18081597	Gmdrm	hypo	CG	-0.058
Gm01	18166663	18166967	Gmdrm	hypo	CG	-0.06
Gm01	18279706	18279735	Gmdrm	hypo	CG	-0.2116
Gm01	18281647	18281911	Gmdrm	hypo	CG	-0.0528
Gm01	18290902	18291162	Gmdrm	hypo	CG	-0.0667
Gm01	18405449	18405668	Gmdrm	hypo	CG	-0.1143
Gm01	18417937	18418275	Gmdrm	hypo	CG	-0.0614
Gm01	18424648	18424746	Gmdrm	hypo	CG	-0.846
Gm01	18425040	18425155	Gmdrm	hypo	CG	-0.6367
Gm01	18434256	18434695	Gmdrm	hypo	CG	-0.0939
Gm01	18488531	18488884	Gmdrm	hypo	CG	-0.0634
Gm01	18549449	18550445	Gmdrm	hypo	CG	-0.0389
Gm01	18550727	18551142	Gmdrm	hypo	CG	-0.0521
Gm01	18555169	18555223	Gmdrm	hypo	CG	-0.1038
Gm01	18565406	18565661	Gmdrm	hypo	CG	-0.0346
Gm01	18611039	18611301	Gmdrm	hypo	CG	-0.0217
Gm01	18709951	18710467	Gmdrm	hypo	CG	-0.0477
Gm01	18851337	18851763	Gmdrm	hypo	CG	-0.045
Gm01	18871350	18871451	Gmdrm	hypo	CG	-0.3163
Gm01	18871593	18871664	Gmdrm	hypo	CG	-0.55
Gm01	18876453	18876623	Gmdrm	hypo	CG	-0.6287
Gm01	18898461	18899099	Gmdrm	hypo	CG	-0.0332
Gm01	18899212	18899745	Gmdrm	hypo	CG	-0.069
Gm01	18941853	18941960	Gmdrm	hypo	CG	-0.1738
Gm01	18955539	18955631	Gmdrm	hypo	CG	-0.1538
Gm01	18974018	18974114	Gmdrm	hypo	CG	-0.69
Gm01	19044045	19044185	Gmdrm	hypo	CG	-0.0486
Gm01	19054786	19055066	Gmdrm	hypo	CG	-0.0506
Gm01	19058961	19059178	Gmdrm	hypo	CG	-0.0467
Gm01	19075235	19075431	Gmdrm	hypo	CG	-0.0377
Gm01	19085254	19085329	Gmdrm	hypo	CG	-0.06
Gm01	19193221	19193902	Gmdrm	hypo	CG	-0.0444
Gm01	19382391	19383377	Gmdrm	hypo	CG	-0.0281
Gm01	19490169	19490519	Gmdrm	hypo	CG	-0.0417

Gm01	19500774	19501154	Gmdrm	hypo	CG	-0.046
Gm01	19586691	19587225	Gmdrm	hypo	CG	-0.0575
Gm01	19715466	19715584	Gmdrm	hypo	CG	-0.062
Gm01	19769502	19769792	Gmdrm	hypo	CG	-0.1215
Gm01	19790697	19790806	Gmdrm	hypo	CG	-0.0522
Gm01	19833399	19833729	Gmdrm	hypo	CG	-0.0578
Gm01	19847886	19847918	Gmdrm	hypo	CG	-0.107
Gm01	19871428	19871485	Gmdrm	hypo	CG	-0.9475
Gm01	19872908	19873086	Gmdrm	hypo	CG	-0.398
Gm01	19874475	19874697	Gmdrm	hypo	CG	-0.0633
Gm01	19875044	19875206	Gmdrm	hypo	CG	-0.5825
Gm01	19878456	19878592	Gmdrm	hypo	CG	-0.4828
Gm01	19916831	19917121	Gmdrm	hypo	CG	-0.0542
Gm01	19980487	19980791	Gmdrm	hypo	CG	-0.0358
Gm01	19989672	19989812	Gmdrm	hypo	CG	-0.118
Gm01	20088828	20089144	Gmdrm	hypo	CG	-0.0454
Gm01	20110439	20110704	Gmdrm	hypo	CG	-0.07
Gm01	20111269	20111428	Gmdrm	hypo	CG	-0.495
Gm01	20112886	20112969	Gmdrm	hypo	CG	-0.55
Gm01	20159590	20159798	Gmdrm	hypo	CG	-0.0557
Gm01	20195676	20196352	Gmdrm	hypo	CG	-0.027
Gm01	20275601	20275891	Gmdrm	hypo	CG	-0.0608
Gm01	20303861	20303966	Gmdrm	hypo	CG	-0.0967
Gm01	20306895	20307011	Gmdrm	hypo	CG	-0.17
Gm01	20307325	20307524	Gmdrm	hypo	CG	-0.0588
Gm01	20311335	20311344	Gmdrm	hypo	CG	-0.475
Gm01	20326690	20326773	Gmdrm	hypo	CG	-0.2
Gm01	20376138	20376177	Gmdrm	hypo	CG	-0.0683
Gm01	20401223	20401306	Gmdrm	hypo	CG	-0.0558
Gm01	20437785	20437856	Gmdrm	hypo	CG	-0.065
Gm01	20475167	20475326	Gmdrm	hypo	CG	-0.844
Gm01	20484810	20485003	Gmdrm	hypo	CG	-0.154
Gm01	20509405	20510024	Gmdrm	hypo	CG	-0.0422
Gm01	20526575	20526858	Gmdrm	hypo	CG	-0.1171
Gm01	20574762	20575167	Gmdrm	hypo	CG	-0.535
Gm01	20576559	20576674	Gmdrm	hypo	CG	-0.91
Gm01	20630185	20631160	Gmdrm	hypo	CG	-0.0283
Gm01	20631712	20632175	Gmdrm	hypo	CG	-0.0537
Gm01	20699234	20699595	Gmdrm	hypo	CG	-0.0931
Gm01	20706817	20707140	Gmdrm	hypo	CG	-0.0616
Gm01	20743301	20743543	Gmdrm	hypo	CG	-0.4069
Gm01	20774293	20774983	Gmdrm	hypo	CG	-0.5392
Gm01	20817526	20817857	Gmdrm	hypo	CG	-0.0396
Gm01	20831962	20832110	Gmdrm	hypo	CG	-0.06
Gm01	20856741	20856874	Gmdrm	hypo	CG	-0.1256
Gm01	20868473	20868846	Gmdrm	hypo	CG	-0.028

Gm01	20979938	20980928	Gmdrm	hypo	CG	-0.0225
Gm01	21142010	21142083	Gmdrm	hypo	CG	-0.105
Gm01	21160865	21161005	Gmdrm	hypo	CG	-0.06
Gm01	21280101	21281090	Gmdrm	hypo	CG	-0.0287
Gm01	21347382	21347507	Gmdrm	hypo	CG	-0.0767
Gm01	21359517	21359889	Gmdrm	hypo	CG	-0.0412
Gm01	21365187	21366176	Gmdrm	hypo	CG	-0.0384
Gm01	21414646	21414828	Gmdrm	hypo	CG	-0.061
Gm01	21460653	21461308	Gmdrm	hypo	CG	-0.0309
Gm01	21521963	21522474	Gmdrm	hypo	CG	-0.0445
Gm01	21576734	21576845	Gmdrm	hypo	CG	-0.14
Gm01	21644194	21644897	Gmdrm	hypo	CG	-0.0487
Gm01	21665740	21666735	Gmdrm	hypo	CG	-0.0348
Gm01	21693629	21694621	Gmdrm	hypo	CG	-0.0315
Gm01	21770168	21770221	Gmdrm	hypo	CG	-0.042
Gm01	21775662	21775944	Gmdrm	hypo	CG	-0.028
Gm01	21780986	21781066	Gmdrm	hypo	CG	-0.125
Gm01	21845632	21845697	Gmdrm	hypo	CG	-0.0742
Gm01	21953221	21953512	Gmdrm	hypo	CG	-0.0685
Gm01	21965779	21966199	Gmdrm	hypo	CG	-0.0468
Gm01	21999273	22000021	Gmdrm	hypo	CG	-0.043
Gm01	22010538	22010844	Gmdrm	hypo	CG	-0.0471
Gm01	22026660	22026725	Gmdrm	hypo	CG	-0.6933
Gm01	22027426	22027458	Gmdrm	hypo	CG	-0.637
Gm01	22132379	22132699	Gmdrm	hypo	CG	-0.0537
Gm01	22145746	22146244	Gmdrm	hypo	CG	-0.0445
Gm01	22192344	22192492	Gmdrm	hypo	CG	-0.9666
Gm01	22192597	22192795	Gmdrm	hypo	CG	-0.9381
Gm01	22195297	22195526	Gmdrm	hypo	CG	-0.5029
Gm01	22212424	22212753	Gmdrm	hypo	CG	-0.0413
Gm01	22299579	22300111	Gmdrm	hypo	CG	-0.0556
Gm01	22375255	22376169	Gmdrm	hypo	CG	-0.0663
Gm01	22523318	22523615	Gmdrm	hypo	CG	-0.0688
Gm01	22578277	22579266	Gmdrm	hypo	CG	-0.0507
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Gm01	22718308	22718376	Gmdrm	hypo	CG	-0.1371
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Gm01	22757400	22757566	Gmdrm	hypo	CG	-0.6617
Gm01	22773077	22773157	Gmdrm	hypo	CG	-0.07
Gm01	22779029	22779942	Gmdrm	hypo	CG	-0.0388
Gm01	22829854	22830108	Gmdrm	hypo	CG	-0.0342
Gm01	22936292	22936446	Gmdrm	hypo	CG	-0.5675
Gm01	23064491	23064777	Gmdrm	hypo	CG	-0.0785
Gm01	23112010	23112090	Gmdrm	hypo	CG	-0.3033
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Gm01	23185736	23185962	Gmdrm	hypo	CG	-0.0661

Gm01	23227185	23227377	Gmdrm	hypo	CG	-0.0793
Gm01	23238843	23239831	Gmdrm	hypo	CG	-0.0353
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Gm01	23342289	23342338	Gmdrm	hypo	CG	-0.1716
Gm01	23381557	23381953	Gmdrm	hypo	CG	-0.0346
Gm01	23426374	23426687	Gmdrm	hypo	CG	-0.0583
Gm01	23432462	23432488	Gmdrm	hypo	CG	-0.185
Gm01	23436324	23436413	Gmdrm	hypo	CG	-0.5763
Gm01	23461121	23461290	Gmdrm	hypo	CG	-0.154
Gm01	23479448	23479576	Gmdrm	hypo	CG	-0.9483
Gm01	23481922	23482061	Gmdrm	hypo	CG	-0.8838
Gm01	23482345	23482471	Gmdrm	hypo	CG	-0.2433
Gm01	23506014	23506440	Gmdrm	hypo	CG	-0.0427
Gm01	23540060	23540271	Gmdrm	hypo	CG	-0.05
Gm01	23611517	23611720	Gmdrm	hypo	CG	-0.1059
Gm01	23659270	23659544	Gmdrm	hypo	CG	-0.2058
Gm01	23661102	23661147	Gmdrm	hypo	CG	-0.149
Gm01	23725706	23725730	Gmdrm	hypo	CG	-0.6434
Gm01	23726405	23726450	Gmdrm	hypo	CG	-0.576
Gm01	23726571	23726714	Gmdrm	hypo	CG	-0.5862
Gm01	23737137	23737343	Gmdrm	hypo	CG	-0.6892
Gm01	23737684	23737734	Gmdrm	hypo	CG	-0.9334
Gm01	23737878	23738069	Gmdrm	hypo	CG	-0.7425
Gm01	23786717	23786737	Gmdrm	hypo	CG	-0.115
Gm01	23798655	23798880	Gmdrm	hypo	CG	-0.0382
Gm01	23808043	23808392	Gmdrm	hypo	CG	-0.0464
Gm01	23813295	23813477	Gmdrm	hypo	CG	-0.045
Gm01	24018854	24019392	Gmdrm	hypo	CG	-0.3082
Gm01	24028052	24028186	Gmdrm	hypo	CG	-0.4737
Gm01	24042541	24043174	Gmdrm	hypo	CG	-0.046
Gm01	24084040	24084227	Gmdrm	hypo	CG	-0.03
Gm01	24085809	24086165	Gmdrm	hypo	CG	-0.5839
Gm01	24092167	24092431	Gmdrm	hypo	CG	-0.7611
Gm01	24092568	24092670	Gmdrm	hypo	CG	-0.6033
Gm01	24094128	24094219	Gmdrm	hypo	CG	-0.0617
Gm01	24131310	24131824	Gmdrm	hypo	CG	-0.0688
Gm01	24159542	24159796	Gmdrm	hypo	CG	-0.5892
Gm01	24174636	24174735	Gmdrm	hypo	CG	-0.7117
Gm01	24193095	24193735	Gmdrm	hypo	CG	-0.0243
Gm01	24230029	24230421	Gmdrm	hypo	CG	-0.4366
Gm01	24325741	24325902	Gmdrm	hypo	CG	-0.0442
Gm01	24360600	24361237	Gmdrm	hypo	CG	-0.0273
Gm01	24380967	24381125	Gmdrm	hypo	CG	-0.063
Gm01	24408632	24408755	Gmdrm	hypo	CG	-0.0709
Gm01	24433579	24433605	Gmdrm	hypo	CG	-0.3817

Gm01	24434591	24434755	Gmdrm	hypo	CG	-0.0975
Gm01	24469761	24470012	Gmdrm	hypo	CG	-0.0514
Gm01	24517333	24517370	Gmdrm	hypo	CG	-0.8612
Gm01	24519058	24519163	Gmdrm	hypo	CG	-0.8462
Gm01	24556107	24556566	Gmdrm	hypo	CG	-0.3015
Gm01	24569026	24569160	Gmdrm	hypo	CG	-0.2412
Gm01	24569316	24569405	Gmdrm	hypo	CG	-0.555
Gm01	24570478	24570621	Gmdrm	hypo	CG	-0.7156
Gm01	24571300	24571402	Gmdrm	hypo	CG	-0.796
Gm01	24571509	24571635	Gmdrm	hypo	CG	-0.854
Gm01	24571783	24571972	Gmdrm	hypo	CG	-0.0557
Gm01	24736377	24736481	Gmdrm	hypo	CG	-0.7217
Gm01	24792678	24792778	Gmdrm	hypo	CG	-0.09
Gm01	24834124	24834745	Gmdrm	hypo	CG	-0.0482
Gm01	24851315	24851677	Gmdrm	hypo	CG	-0.0387
Gm01	24852713	24853029	Gmdrm	hypo	CG	-0.0615
Gm01	24885457	24885570	Gmdrm	hypo	CG	-0.06
Gm01	24925020	24925065	Gmdrm	hypo	CG	-0.2225
Gm01	24942771	24943515	Gmdrm	hypo	CG	-0.031
Gm01	25024289	25024477	Gmdrm	hypo	CG	-0.07
Gm01	25052961	25053097	Gmdrm	hypo	CG	-0.0545
Gm01	25056780	25056853	Gmdrm	hypo	CG	-0.4975
Gm01	25094733	25094910	Gmdrm	hypo	CG	-0.0834
Gm01	25133597	25133708	Gmdrm	hypo	CG	-0.093
Gm01	25189267	25189379	Gmdrm	hypo	CG	-0.2683
Gm01	25266094	25266136	Gmdrm	hypo	CG	-0.756
Gm01	25352086	25352386	Gmdrm	hypo	CG	-0.0482
Gm01	25386076	25387018	Gmdrm	hypo	CG	-0.0444
Gm01	25406070	25406436	Gmdrm	hypo	CG	-0.0301
Gm01	25448344	25448525	Gmdrm	hypo	CG	-0.042
Gm01	25471521	25472507	Gmdrm	hypo	CG	-0.0434
Gm01	25530599	25530687	Gmdrm	hypo	CG	-0.93
Gm01	25530937	25531082	Gmdrm	hypo	CG	-0.892
Gm01	25531537	25531622	Gmdrm	hypo	CG	-0.7317
Gm01	25532504	25532633	Gmdrm	hypo	CG	-0.6934
Gm01	25532805	25532834	Gmdrm	hypo	CG	-0.4183
Gm01	25533874	25533994	Gmdrm	hypo	CG	-0.2137
Gm01	25534453	25534691	Gmdrm	hypo	CG	-0.2371
Gm01	25541823	25542004	Gmdrm	hypo	CG	-0.2541
Gm01	25543255	25543542	Gmdrm	hypo	CG	-0.0967
Gm01	25543813	25544017	Gmdrm	hypo	CG	-0.299
Gm01	25544134	25544236	Gmdrm	hypo	CG	-0.4317
Gm01	25544474	25544801	Gmdrm	hypo	CG	-0.2821
Gm01	25554529	25555029	Gmdrm	hypo	CG	-0.6155
Gm01	25556400	25556670	Gmdrm	hypo	CG	-0.2963
Gm01	25568859	25568970	Gmdrm	hypo	CG	-0.1313

Gm01	25690180	25690923	Gmdrm	hypo	CG	-0.0419
Gm01	25698296	25698322	Gmdrm	hypo	CG	-0.675
Gm01	25725211	25725303	Gmdrm	hypo	CG	-0.0816
Gm01	25728634	25729095	Gmdrm	hypo	CG	-0.0757
Gm01	25732083	25732432	Gmdrm	hypo	CG	-0.0599
Gm01	25772965	25773025	Gmdrm	hypo	CG	-0.0816
Gm01	25785529	25786366	Gmdrm	hypo	CG	-0.032
Gm01	25852430	25852493	Gmdrm	hypo	CG	-0.03
Gm01	25852840	25852967	Gmdrm	hypo	CG	-0.054
Gm01	25854485	25854683	Gmdrm	hypo	CG	-0.045
Gm01	25858496	25858999	Gmdrm	hypo	CG	-0.4156
Gm01	25900166	25900443	Gmdrm	hypo	CG	-0.1256
Gm01	26024150	26024287	Gmdrm	hypo	CG	-0.0615
Gm01	26119091	26119328	Gmdrm	hypo	CG	-0.1014
Gm01	26154823	26155195	Gmdrm	hypo	CG	-0.0562
Gm01	26172028	26172114	Gmdrm	hypo	CG	-0.7383
Gm01	26172308	26172330	Gmdrm	hypo	CG	-0.5033
Gm01	26190502	26190718	Gmdrm	hypo	CG	-0.5945
Gm01	26191272	26191619	Gmdrm	hypo	CG	-0.7354
Gm01	26194796	26194898	Gmdrm	hypo	CG	-0.898
Gm01	26231290	26231403	Gmdrm	hypo	CG	-0.0532
Gm01	26231635	26231783	Gmdrm	hypo	CG	-0.1016
Gm01	26256664	26256743	Gmdrm	hypo	CG	-0.0833
Gm01	26317114	26317150	Gmdrm	hypo	CG	-0.0475
Gm01	26495784	26495830	Gmdrm	hypo	CG	-0.6866
Gm01	26531716	26531962	Gmdrm	hypo	CG	-0.155
Gm01	26532618	26532804	Gmdrm	hypo	CG	-0.1375
Gm01	26548202	26548405	Gmdrm	hypo	CG	-0.9177
Gm01	26609384	26609591	Gmdrm	hypo	CG	-0.2015
Gm01	26647236	26647276	Gmdrm	hypo	CG	-0.0262
Gm01	26665532	26665584	Gmdrm	hypo	CG	-0.3482
Gm01	26665718	26665986	Gmdrm	hypo	CG	-0.2233
Gm01	26673650	26674486	Gmdrm	hypo	CG	-0.0348
Gm01	26768285	26768333	Gmdrm	hypo	CG	-0.9367
Gm01	26852216	26852398	Gmdrm	hypo	CG	-0.079
Gm01	26858461	26858714	Gmdrm	hypo	CG	-0.0814
Gm01	26882116	26882296	Gmdrm	hypo	CG	-0.04
Gm01	26923805	26924138	Gmdrm	hypo	CG	-0.2095
Gm01	26953035	26953207	Gmdrm	hypo	CG	-0.4558
Gm01	26953681	26953867	Gmdrm	hypo	CG	-0.4174
Gm01	26959414	26959506	Gmdrm	hypo	CG	-0.6433
Gm01	26992051	26992309	Gmdrm	hypo	CG	-0.0613
Gm01	27026316	27026468	Gmdrm	hypo	CG	-0.435
Gm01	27028082	27028194	Gmdrm	hypo	CG	-0.054
Gm01	27031925	27032144	Gmdrm	hypo	CG	-0.7713
Gm01	27037006	27037075	Gmdrm	hypo	CG	-0.9022

Gm01	27042937	27043009	Gmdrm	hypo	CG	-0.64
Gm01	27054623	27055274	Gmdrm	hypo	CG	-0.6927
Gm01	27055396	27055532	Gmdrm	hypo	CG	-0.7043
Gm01	27063026	27063172	Gmdrm	hypo	CG	-0.215
Gm01	27109214	27109272	Gmdrm	hypo	CG	-0.0467
Gm01	27126767	27127438	Gmdrm	hypo	CG	-0.0989
Gm01	27144746	27144852	Gmdrm	hypo	CG	-0.028
Gm01	27166161	27166451	Gmdrm	hypo	CG	-0.088
Gm01	27166567	27166747	Gmdrm	hypo	CG	-0.521
Gm01	27198229	27198395	Gmdrm	hypo	CG	-0.1
Gm01	27243618	27243698	Gmdrm	hypo	CG	-0.22
Gm01	27300679	27300769	Gmdrm	hypo	CG	-0.9617
Gm01	27315231	27316069	Gmdrm	hypo	CG	-0.0293
Gm01	27317532	27318023	Gmdrm	hypo	CG	-0.0407
Gm01	27326470	27326802	Gmdrm	hypo	CG	-0.0428
Gm01	27350483	27350647	Gmdrm	hypo	CG	-0.1222
Gm01	27355466	27355942	Gmdrm	hypo	CG	-0.044
Gm01	27379956	27380146	Gmdrm	hypo	CG	-0.1287
Gm01	27380451	27380504	Gmdrm	hypo	CG	-0.4067
Gm01	27383900	27384019	Gmdrm	hypo	CG	-0.9217
Gm01	27395238	27395477	Gmdrm	hypo	CG	-0.1831
Gm01	27399103	27399254	Gmdrm	hypo	CG	-0.038
Gm01	27476826	27477118	Gmdrm	hypo	CG	-0.5514
Gm01	27488895	27489036	Gmdrm	hypo	CG	-0.6075
Gm01	27489163	27489339	Gmdrm	hypo	CG	-0.614
Gm01	27489625	27489735	Gmdrm	hypo	CG	-0.839
Gm01	27490630	27490722	Gmdrm	hypo	CG	-0.115
Gm01	27500081	27500376	Gmdrm	hypo	CG	-0.4507
Gm01	27507699	27508382	Gmdrm	hypo	CG	-0.0551
Gm01	27515562	27515971	Gmdrm	hypo	CG	-0.8384
Gm01	27587861	27587919	Gmdrm	hypo	CG	-0.0542
Gm01	27601552	27601624	Gmdrm	hypo	CG	-0.95
Gm01	27607365	27607488	Gmdrm	hypo	CG	-0.4963
Gm01	27722431	27722454	Gmdrm	hypo	CG	-0.098
Gm01	27752891	27753117	Gmdrm	hypo	CG	-0.35
Gm01	27754674	27754780	Gmdrm	hypo	CG	-0.0483
Gm01	27762056	27762160	Gmdrm	hypo	CG	-0.3884
Gm01	27826203	27826270	Gmdrm	hypo	CG	-0.1385
Gm01	27829555	27830030	Gmdrm	hypo	CG	-0.0894
Gm01	27831034	27831223	Gmdrm	hypo	CG	-0.6334
Gm01	27831585	27831677	Gmdrm	hypo	CG	-0.6638
Gm01	27833470	27833588	Gmdrm	hypo	CG	-0.814
Gm01	27833712	27833800	Gmdrm	hypo	CG	-0.7884
Gm01	27833915	27833955	Gmdrm	hypo	CG	-0.89
Gm01	27837917	27838028	Gmdrm	hypo	CG	-0.1617
Gm01	27882578	27882725	Gmdrm	hypo	CG	-0.0957

Gm01	27943359	27943466	Gmdrm	hypo	CG	-0.0975
Gm01	27976148	27976264	Gmdrm	hypo	CG	-0.054
Gm01	28015751	28015984	Gmdrm	hypo	CG	-0.6643
Gm01	28072111	28072276	Gmdrm	hypo	CG	-0.8936
Gm01	28082209	28082318	Gmdrm	hypo	CG	-0.2367
Gm01	28108009	28108199	Gmdrm	hypo	CG	-0.595
Gm01	28135924	28135981	Gmdrm	hypo	CG	-0.0787
Gm01	28243561	28243596	Gmdrm	hypo	CG	-0.685
Gm01	28245481	28245720	Gmdrm	hypo	CG	-0.3627
Gm01	28266478	28266545	Gmdrm	hypo	CG	-0.0475
Gm01	28281983	28282031	Gmdrm	hypo	CG	-0.6217
Gm01	28358736	28358883	Gmdrm	hypo	CG	-0.2187
Gm01	28379141	28379338	Gmdrm	hypo	CG	-0.4225
Gm01	28411706	28411813	Gmdrm	hypo	CG	-0.931
Gm01	28453393	28453587	Gmdrm	hypo	CG	-0.798
Gm01	28462611	28462711	Gmdrm	hypo	CG	-0.414
Gm01	28462855	28463000	Gmdrm	hypo	CG	-0.9393
Gm01	28541401	28541589	Gmdrm	hypo	CG	-0.086
Gm01	28623607	28624012	Gmdrm	hypo	CG	-0.0545
Gm01	28625246	28625451	Gmdrm	hypo	CG	-0.3525
Gm01	28687939	28688270	Gmdrm	hypo	CG	-0.0508
Gm01	28693741	28693879	Gmdrm	hypo	CG	-0.375
Gm01	28701232	28701267	Gmdrm	hypo	CG	-0.7866
Gm01	28702676	28702944	Gmdrm	hypo	CG	-0.5612
Gm01	28750295	28750593	Gmdrm	hypo	CG	-0.7306
Gm01	28893514	28893767	Gmdrm	hypo	CG	-0.0486
Gm01	28949985	28950446	Gmdrm	hypo	CG	-0.0669
Gm01	28954696	28955675	Gmdrm	hypo	CG	-0.038
Gm01	29016974	29017045	Gmdrm	hypo	CG	-0.0913
Gm01	29034331	29034901	Gmdrm	hypo	CG	-0.0323
Gm01	29091772	29091881	Gmdrm	hypo	CG	-0.105
Gm01	29101969	29102036	Gmdrm	hypo	CG	-0.0686
Gm01	29171303	29171558	Gmdrm	hypo	CG	-0.0467
Gm01	29190273	29190363	Gmdrm	hypo	CG	-0.275
Gm01	29195868	29196057	Gmdrm	hypo	CG	-0.2914
Gm01	29295820	29295882	Gmdrm	hypo	CG	-0.075
Gm01	29296365	29296517	Gmdrm	hypo	CG	-0.905
Gm01	29321243	29321356	Gmdrm	hypo	CG	-0.1023
Gm01	29358962	29359113	Gmdrm	hypo	CG	-0.6057
Gm01	29359253	29359419	Gmdrm	hypo	CG	-0.4722
Gm01	29361768	29361856	Gmdrm	hypo	CG	-0.068
Gm01	29371359	29371518	Gmdrm	hypo	CG	-0.0558
Gm01	29385164	29385304	Gmdrm	hypo	CG	-0.109
Gm01	29444302	29444379	Gmdrm	hypo	CG	-0.2867
Gm01	29514387	29514601	Gmdrm	hypo	CG	-0.0383
Gm01	29556816	29557604	Gmdrm	hypo	CG	-0.0397

Gm01	29574058	29574264	Gmdrm	hypo	CG	-0.048
Gm01	29578914	29578979	Gmdrm	hypo	CG	-0.112
Gm01	29592814	29592913	Gmdrm	hypo	CG	-0.515
Gm01	29595168	29595300	Gmdrm	hypo	CG	-0.098
Gm01	29652496	29652783	Gmdrm	hypo	CG	-0.081
Gm01	29684344	29684566	Gmdrm	hypo	CG	-0.0814
Gm01	29777967	29778001	Gmdrm	hypo	CG	-0.0633
Gm01	29797240	29797366	Gmdrm	hypo	CG	-0.0917
Gm01	29818852	29818939	Gmdrm	hypo	CG	-0.0884
Gm01	29886643	29886923	Gmdrm	hypo	CG	-0.04
Gm01	29937985	29938843	Gmdrm	hypo	CG	-0.0721
Gm01	29990429	29990895	Gmdrm	hypo	CG	-0.0556
Gm01	29991303	29991578	Gmdrm	hypo	CG	-0.1008
Gm01	30034722	30034849	Gmdrm	hypo	CG	-0.0543
Gm01	30061368	30061525	Gmdrm	hypo	CG	-0.0485
Gm01	30070217	30070809	Gmdrm	hypo	CG	-0.0386
Gm01	30072531	30073499	Gmdrm	hypo	CG	-0.033
Gm01	30079796	30079877	Gmdrm	hypo	CG	-0.1684
Gm01	30158923	30159909	Gmdrm	hypo	CG	-0.1311
Gm01	30166115	30166153	Gmdrm	hypo	CG	-0.3834
Gm01	30278120	30278358	Gmdrm	hypo	CG	-0.0662
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Gm01	30448933	30449033	Gmdrm	hypo	CG	-0.067
Gm01	30512253	30512277	Gmdrm	hypo	CG	-0.4563
Gm01	30591806	30592284	Gmdrm	hypo	CG	-0.0483
Gm01	31046728	31047325	Gmdrm	hypo	CG	-0.0372
Gm01	31081274	31081310	Gmdrm	hypo	CG	-0.145
Gm01	31081762	31081823	Gmdrm	hypo	CG	-0.57
Gm01	31253616	31253778	Gmdrm	hypo	CG	-0.0987
Gm01	31289077	31289472	Gmdrm	hypo	CG	-0.0446
Gm01	31327795	31327917	Gmdrm	hypo	CG	-0.09
Gm01	31374283	31374429	Gmdrm	hypo	CG	-0.16
Gm01	31391592	31391838	Gmdrm	hypo	CG	-0.0475
Gm01	31406746	31406867	Gmdrm	hypo	CG	-0.1244
Gm01	31502766	31503185	Gmdrm	hypo	CG	-0.0572
Gm01	31517089	31518087	Gmdrm	hypo	CG	-0.0976
Gm01	31537745	31537795	Gmdrm	hypo	CG	-0.1763
Gm01	31652727	31653709	Gmdrm	hypo	CG	-0.0331
Gm01	31695649	31696190	Gmdrm	hypo	CG	-0.0404
Gm01	31726636	31726814	Gmdrm	hypo	CG	-0.1217
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Gm01	31826893	31827206	Gmdrm	hypo	CG	-0.0478
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Gm01	31972058	31972210	Gmdrm	hypo	CG	-0.5169

Gm01	31972317	31972522	Gmdrm	hypo	CG	-0.46
Gm01	32037169	32037505	Gmdrm	hypo	CG	-0.0824
Gm01	32088142	32088631	Gmdrm	hypo	CG	-0.0413
Gm01	32242705	32242754	Gmdrm	hypo	CG	-0.1128
Gm01	32428649	32429192	Gmdrm	hypo	CG	-0.0511
Gm01	32617735	32618114	Gmdrm	hypo	CG	-0.1355
Gm01	32621451	32621596	Gmdrm	hypo	CG	-0.3375
Gm01	32760131	32760338	Gmdrm	hypo	CG	-0.05
Gm01	32762365	32763357	Gmdrm	hypo	CG	-0.0345
Gm01	32881486	32881604	Gmdrm	hypo	CG	-0.2054
Gm01	32883118	32883374	Gmdrm	hypo	CG	-0.6306
Gm01	32886502	32886658	Gmdrm	hypo	CG	-0.7738
Gm01	32920452	32920482	Gmdrm	hypo	CG	-0.8538
Gm01	32931127	32931307	Gmdrm	hypo	CG	-0.0838
Gm01	32936077	32936087	Gmdrm	hypo	CG	-0.8484
Gm01	32936347	32936388	Gmdrm	hypo	CG	-0.8134
Gm01	32937701	32937731	Gmdrm	hypo	CG	-0.784
Gm01	32945355	32946267	Gmdrm	hypo	CG	-0.046
Gm01	32976778	32977148	Gmdrm	hypo	CG	-0.1183
Gm01	33035206	33035305	Gmdrm	hypo	CG	-0.128
Gm01	33178924	33179285	Gmdrm	hypo	CG	-0.2545
Gm01	33188473	33188623	Gmdrm	hypo	CG	-0.2925
Gm01	33188728	33188782	Gmdrm	hypo	CG	-0.34
Gm01	33188916	33189008	Gmdrm	hypo	CG	-0.3712
Gm01	33252043	33252133	Gmdrm	hypo	CG	-0.0687
Gm01	33292246	33292408	Gmdrm	hypo	CG	-0.0367
Gm01	33312326	33312373	Gmdrm	hypo	CG	-0.2112
Gm01	33316820	33317072	Gmdrm	hypo	CG	-0.0471
Gm01	33320744	33320760	Gmdrm	hypo	CG	-0.5183
Gm01	33359925	33360160	Gmdrm	hypo	CG	-0.0331
Gm01	33383796	33384213	Gmdrm	hypo	CG	-0.0331
Gm01	33404731	33404915	Gmdrm	hypo	CG	-0.06
Gm01	33429255	33429481	Gmdrm	hypo	CG	-0.0543
Gm01	33474882	33474958	Gmdrm	hypo	CG	-0.03
Gm01	33497231	33497496	Gmdrm	hypo	CG	-0.05
Gm01	33553754	33553881	Gmdrm	hypo	CG	-0.0567
Gm01	33563406	33563422	Gmdrm	hypo	CG	-0.1683
Gm01	33579436	33579497	Gmdrm	hypo	CG	-0.39
Gm01	33591683	33591864	Gmdrm	hypo	CG	-0.0628
Gm01	33600056	33600286	Gmdrm	hypo	CG	-0.711
Gm01	33610769	33610843	Gmdrm	hypo	CG	-0.4288
Gm01	33611027	33611447	Gmdrm	hypo	CG	-0.873
Gm01	33615366	33615604	Gmdrm	hypo	CG	-0.2086
Gm01	33661545	33661702	Gmdrm	hypo	CG	-0.323
Gm01	33672199	33672325	Gmdrm	hypo	CG	-0.271
Gm01	33674566	33674629	Gmdrm	hypo	CG	-0.5934

Gm01	33709206	33709280	Gmdrm	hypo	CG	-0.2009
Gm01	33747262	33747663	Gmdrm	hypo	CG	-0.0475
Gm01	33771269	33771289	Gmdrm	hypo	CG	-0.09
Gm01	33771668	33771839	Gmdrm	hypo	CG	-0.24
Gm01	33776540	33776751	Gmdrm	hypo	CG	-0.8965
Gm01	33777504	33777670	Gmdrm	hypo	CG	-0.825
Gm01	33799687	33799712	Gmdrm	hypo	CG	-0.072
Gm01	33802673	33803152	Gmdrm	hypo	CG	-0.2173
Gm01	33835371	33835858	Gmdrm	hypo	CG	-0.0341
Gm01	33839336	33839429	Gmdrm	hypo	CG	-0.725
Gm01	33846332	33846628	Gmdrm	hypo	CG	-0.5194
Gm01	33872058	33872158	Gmdrm	hypo	CG	-0.532
Gm01	33872798	33872838	Gmdrm	hypo	CG	-0.7716
Gm01	33913290	33913330	Gmdrm	hypo	CG	-0.5329
Gm01	33916348	33916420	Gmdrm	hypo	CG	-0.9183
Gm01	33925451	33925652	Gmdrm	hypo	CG	-0.1447
Gm01	33957448	33957638	Gmdrm	hypo	CG	-0.0555
Gm01	33966546	33966718	Gmdrm	hypo	CG	-0.2844
Gm01	34109482	34109854	Gmdrm	hypo	CG	-0.1518
Gm01	34165752	34166169	Gmdrm	hypo	CG	-0.1066
Gm01	34171299	34171399	Gmdrm	hypo	CG	-0.2587
Gm01	34181810	34182232	Gmdrm	hypo	CG	-0.0542
Gm01	34207528	34208019	Gmdrm	hypo	CG	-0.0517
Gm01	34208304	34208514	Gmdrm	hypo	CG	-0.09
Gm01	34288278	34288385	Gmdrm	hypo	CG	-0.092
Gm01	34352734	34352896	Gmdrm	hypo	CG	-0.3166
Gm01	34370267	34370652	Gmdrm	hypo	CG	-0.621
Gm01	34518565	34518803	Gmdrm	hypo	CG	-0.0827
Gm01	34536655	34536794	Gmdrm	hypo	CG	-0.5525
Gm01	34581344	34581510	Gmdrm	hypo	CG	-0.2362
Gm01	34595972	34596178	Gmdrm	hypo	CG	-0.0616
Gm01	34603545	34603800	Gmdrm	hypo	CG	-0.0962
Gm01	34662393	34662721	Gmdrm	hypo	CG	-0.103
Gm01	34663475	34663820	Gmdrm	hypo	CG	-0.3475
Gm01	34668918	34669161	Gmdrm	hypo	CG	-0.238
Gm01	34681861	34682167	Gmdrm	hypo	CG	-0.787
Gm01	34684591	34684700	Gmdrm	hypo	CG	-0.03
Gm01	34712367	34712429	Gmdrm	hypo	CG	-0.4967
Gm01	34718572	34718747	Gmdrm	hypo	CG	-0.33
Gm01	34728911	34729028	Gmdrm	hypo	CG	-0.5657
Gm01	34752066	34752204	Gmdrm	hypo	CG	-0.2183
Gm01	34763774	34764550	Gmdrm	hypo	CG	-0.0453
Gm01	34796852	34797235	Gmdrm	hypo	CG	-0.4738
Gm01	34811134	34811483	Gmdrm	hypo	CG	-0.05
Gm01	34824301	34824683	Gmdrm	hypo	CG	-0.0374
Gm01	34941511	34941765	Gmdrm	hypo	CG	-0.0785

Gm01	34952439	34952652	Gmdrm	hypo	CG	-0.0589
Gm01	35043224	35043384	Gmdrm	hypo	CG	-0.0342
Gm01	35064865	35065304	Gmdrm	hypo	CG	-0.1586
Gm01	35093884	35094096	Gmdrm	hypo	CG	-0.065
Gm01	35143604	35143731	Gmdrm	hypo	CG	-0.126
Gm01	35184612	35184766	Gmdrm	hypo	CG	-0.5775
Gm01	35197076	35197650	Gmdrm	hypo	CG	-0.0504
Gm01	35223856	35223923	Gmdrm	hypo	CG	-0.9633
Gm01	35224553	35224747	Gmdrm	hypo	CG	-0.13
Gm01	35231141	35231228	Gmdrm	hypo	CG	-0.0492
Gm01	35289351	35289376	Gmdrm	hypo	CG	-0.0767
Gm01	35290456	35290755	Gmdrm	hypo	CG	-0.043
Gm01	35346001	35346518	Gmdrm	hypo	CG	-0.0269
Gm01	35394570	35394797	Gmdrm	hypo	CG	-0.0509
Gm01	35408432	35409176	Gmdrm	hypo	CG	-0.0251
Gm01	35643852	35643992	Gmdrm	hypo	CG	-0.9667
Gm01	35648290	35648409	Gmdrm	hypo	CG	-0.2138
Gm01	35725292	35725591	Gmdrm	hypo	CG	-0.0673
Gm01	35798782	35798824	Gmdrm	hypo	CG	-0.0567
Gm01	35825136	35825394	Gmdrm	hypo	CG	-0.0684
Gm01	35853347	35853551	Gmdrm	hypo	CG	-0.0628
Gm01	35866406	35866533	Gmdrm	hypo	CG	-0.84
Gm01	36042635	36042783	Gmdrm	hypo	CG	-0.9486
Gm01	36043119	36043584	Gmdrm	hypo	CG	-0.722
Gm01	36135177	36135206	Gmdrm	hypo	CG	-0.7788
Gm01	36135721	36135803	Gmdrm	hypo	CG	-0.226
Gm01	36139812	36140081	Gmdrm	hypo	CG	-0.4733
Gm01	36210352	36210842	Gmdrm	hypo	CG	-0.0492
Gm01	36213511	36213586	Gmdrm	hypo	CG	-0.285
Gm01	36213773	36213846	Gmdrm	hypo	CG	-0.15
Gm01	36243167	36243459	Gmdrm	hypo	CG	-0.3978
Gm01	36252069	36252209	Gmdrm	hypo	CG	-0.5857
Gm01	36307647	36307950	Gmdrm	hypo	CG	-0.052
Gm01	36339045	36339177	Gmdrm	hypo	CG	-0.096
Gm01	36369038	36369076	Gmdrm	hypo	CG	-0.2483
Gm01	36379650	36379740	Gmdrm	hypo	CG	-0.705
Gm01	36390606	36390657	Gmdrm	hypo	CG	-0.5616
Gm01	36399844	36400308	Gmdrm	hypo	CG	-0.2514
Gm01	36400566	36401181	Gmdrm	hypo	CG	-0.4108
Gm01	36403603	36403725	Gmdrm	hypo	CG	-0.1871
Gm01	36403846	36403939	Gmdrm	hypo	CG	-0.64
Gm01	36496228	36496420	Gmdrm	hypo	CG	-0.8386
Gm01	36496551	36496573	Gmdrm	hypo	CG	-0.2767
Gm01	36498830	36499015	Gmdrm	hypo	CG	-0.0972
Gm01	36526789	36526966	Gmdrm	hypo	CG	-0.9133
Gm01	36544848	36544899	Gmdrm	hypo	CG	-0.1263

Gm01	36556137	36556254	Gmdrm	hypo	CG	-0.1588
Gm01	36556358	36556537	Gmdrm	hypo	CG	-0.2223
Gm01	36556660	36556775	Gmdrm	hypo	CG	-0.4957
Gm01	36572366	36572475	Gmdrm	hypo	CG	-0.7384
Gm01	36612090	36612141	Gmdrm	hypo	CG	-0.936
Gm01	36635961	36636228	Gmdrm	hypo	CG	-0.638
Gm01	36654686	36654779	Gmdrm	hypo	CG	-0.0725
Gm01	36696703	36696891	Gmdrm	hypo	CG	-0.9374
Gm01	36697284	36697624	Gmdrm	hypo	CG	-0.465
Gm01	36697775	36697856	Gmdrm	hypo	CG	-0.3301
Gm01	36701459	36701759	Gmdrm	hypo	CG	-0.069
Gm01	36726331	36726673	Gmdrm	hypo	CG	-0.0371
Gm01	36735748	36736053	Gmdrm	hypo	CG	-0.5874
Gm01	36833041	36833096	Gmdrm	hypo	CG	-0.184
Gm01	36845469	36845817	Gmdrm	hypo	CG	-0.0604
Gm01	36864445	36864718	Gmdrm	hypo	CG	-0.0917
Gm01	36956449	36956588	Gmdrm	hypo	CG	-0.5514
Gm01	36992742	36993047	Gmdrm	hypo	CG	-0.0435
Gm01	36993413	36993559	Gmdrm	hypo	CG	-0.0505
Gm01	37029700	37030159	Gmdrm	hypo	CG	-0.0831
Gm01	37041424	37041682	Gmdrm	hypo	CG	-0.7914
Gm01	37061620	37061704	Gmdrm	hypo	CG	-0.07
Gm01	37084823	37084912	Gmdrm	hypo	CG	-0.7863
Gm01	37086265	37086334	Gmdrm	hypo	CG	-0.042
Gm01	37191804	37192029	Gmdrm	hypo	CG	-0.0764
Gm01	37228013	37228250	Gmdrm	hypo	CG	-0.439
Gm01	37329045	37329239	Gmdrm	hypo	CG	-0.1971
Gm01	37372944	37373008	Gmdrm	hypo	CG	-0.6134
Gm01	37400972	37401104	Gmdrm	hypo	CG	-0.623
Gm01	37430132	37430233	Gmdrm	hypo	CG	-0.9684
Gm01	37433049	37433178	Gmdrm	hypo	CG	-0.3236
Gm01	37484255	37484545	Gmdrm	hypo	CG	-0.4143
Gm01	37484683	37484883	Gmdrm	hypo	CG	-0.1322
Gm01	37486800	37486990	Gmdrm	hypo	CG	-0.7765
Gm01	37522437	37522734	Gmdrm	hypo	CG	-0.0616
Gm01	37546585	37546894	Gmdrm	hypo	CG	-0.0488
Gm01	37549092	37549745	Gmdrm	hypo	CG	-0.0425
Gm01	37553010	37553150	Gmdrm	hypo	CG	-0.6065
Gm01	37553876	37553923	Gmdrm	hypo	CG	-0.955
Gm01	37563216	37563254	Gmdrm	hypo	CG	-0.3483
Gm01	37571489	37571650	Gmdrm	hypo	CG	-0.4916
Gm01	37571778	37571969	Gmdrm	hypo	CG	-0.8862
Gm01	37572402	37572451	Gmdrm	hypo	CG	-0.9801
Gm01	37573633	37573817	Gmdrm	hypo	CG	-0.5733
Gm01	37573921	37574200	Gmdrm	hypo	CG	-0.0612
Gm01	37575178	37575425	Gmdrm	hypo	CG	-0.06

Gm01	37575611	37575768	Gmdrm	hypo	CG	-0.1056
Gm01	37577965	37578004	Gmdrm	hypo	CG	-0.855
Gm01	37578160	37578287	Gmdrm	hypo	CG	-0.5657
Gm01	37580310	37580457	Gmdrm	hypo	CG	-0.392
Gm01	37582078	37582155	Gmdrm	hypo	CG	-0.1584
Gm01	37588518	37588791	Gmdrm	hypo	CG	-0.8716
Gm01	37590792	37590870	Gmdrm	hypo	CG	-0.3288
Gm01	37596145	37596245	Gmdrm	hypo	CG	-0.0716
Gm01	37663027	37663494	Gmdrm	hypo	CG	-0.0438
Gm01	37673299	37673848	Gmdrm	hypo	CG	-0.0385
Gm01	37729201	37729281	Gmdrm	hypo	CG	-0.455
Gm01	37756580	37756870	Gmdrm	hypo	CG	-0.7942
Gm01	37757414	37757641	Gmdrm	hypo	CG	-0.0983
Gm01	37766776	37766962	Gmdrm	hypo	CG	-0.4221
Gm01	37838857	37839081	Gmdrm	hypo	CG	-0.07
Gm01	37847593	37847753	Gmdrm	hypo	CG	-0.1245
Gm01	37873111	37873207	Gmdrm	hypo	CG	-0.9733
Gm01	37888003	37888131	Gmdrm	hypo	CG	-0.6387
Gm01	37888865	37889031	Gmdrm	hypo	CG	-0.463
Gm01	37902768	37902943	Gmdrm	hypo	CG	-0.1471
Gm01	37907717	37908237	Gmdrm	hypo	CG	-0.0372
Gm01	37925166	37925602	Gmdrm	hypo	CG	-0.0391
Gm01	37948796	37949780	Gmdrm	hypo	CG	-0.0332
Gm01	37979998	37980233	Gmdrm	hypo	CG	-0.0316
Gm01	37998562	37998754	Gmdrm	hypo	CG	-0.1154
Gm01	38017975	38018753	Gmdrm	hypo	CG	-0.0276
Gm01	38068577	38068709	Gmdrm	hypo	CG	-0.0783
Gm01	38068941	38069011	Gmdrm	hypo	CG	-0.172
Gm01	38094359	38095158	Gmdrm	hypo	CG	-0.1513
Gm01	38098909	38098976	Gmdrm	hypo	CG	-0.3875
Gm01	38111751	38111805	Gmdrm	hypo	CG	-0.1567
Gm01	38141852	38142071	Gmdrm	hypo	CG	-0.1668
Gm01	38165003	38165160	Gmdrm	hypo	CG	-0.1136
Gm01	38165404	38165549	Gmdrm	hypo	CG	-0.5116
Gm01	38167332	38167349	Gmdrm	hypo	CG	-0.7067
Gm01	38176680	38176910	Gmdrm	hypo	CG	-0.0592
Gm01	38211663	38211845	Gmdrm	hypo	CG	-0.742
Gm01	38213658	38213784	Gmdrm	hypo	CG	-0.9667
Gm01	38224873	38225101	Gmdrm	hypo	CG	-0.0586
Gm01	38279826	38280156	Gmdrm	hypo	CG	-0.034
Gm01	38332869	38333046	Gmdrm	hypo	CG	-0.851
Gm01	38344947	38345417	Gmdrm	hypo	CG	-0.3676
Gm01	38351382	38351439	Gmdrm	hypo	CG	-0.625
Gm01	38351627	38351784	Gmdrm	hypo	CG	-0.5837
Gm01	38354291	38354624	Gmdrm	hypo	CG	-0.6654
Gm01	38368177	38368234	Gmdrm	hypo	CG	-0.3667

Gm01	38369092	38369189	Gmdrm	hypo	CG	-0.445
Gm01	38399651	38399728	Gmdrm	hypo	CG	-0.48
Gm01	38401480	38401531	Gmdrm	hypo	CG	-0.63
Gm01	38401640	38401727	Gmdrm	hypo	CG	-0.5683
Gm01	38404783	38405070	Gmdrm	hypo	CG	-0.0737
Gm01	38448668	38448960	Gmdrm	hypo	CG	-0.9509
Gm01	38588750	38588876	Gmdrm	hypo	CG	-0.3324
Gm01	38596570	38596801	Gmdrm	hypo	CG	-0.3333
Gm01	38600990	38601249	Gmdrm	hypo	CG	-0.165
Gm01	38603600	38603750	Gmdrm	hypo	CG	-0.05
Gm01	38666251	38666544	Gmdrm	hypo	CG	-0.0544
Gm01	38683363	38683450	Gmdrm	hypo	CG	-0.0517
Gm01	38876955	38877211	Gmdrm	hypo	CG	-0.6322
Gm01	38882097	38882187	Gmdrm	hypo	CG	-0.545
Gm01	38882753	38882824	Gmdrm	hypo	CG	-0.575
Gm01	38883301	38883368	Gmdrm	hypo	CG	-0.775
Gm01	38890365	38890503	Gmdrm	hypo	CG	-0.18
Gm01	38931770	38932079	Gmdrm	hypo	CG	-0.3305
Gm01	38938847	38938875	Gmdrm	hypo	CG	-0.9367
Gm01	38948883	38948906	Gmdrm	hypo	CG	-0.2967
Gm01	38952542	38952779	Gmdrm	hypo	CG	-0.2947
Gm01	38955134	38955196	Gmdrm	hypo	CG	-0.835
Gm01	38967659	38968590	Gmdrm	hypo	CG	-0.0352
Gm01	39042130	39043069	Gmdrm	hypo	CG	-0.0256
Gm01	39069704	39069821	Gmdrm	hypo	CG	-0.145
Gm01	39080143	39080322	Gmdrm	hypo	CG	-0.1644
Gm01	39116507	39117480	Gmdrm	hypo	CG	-0.0257
Gm01	39142934	39143096	Gmdrm	hypo	CG	-0.8925
Gm01	39212015	39212229	Gmdrm	hypo	CG	-0.5488
Gm01	39234523	39234771	Gmdrm	hypo	CG	-0.0891
Gm01	39281643	39281805	Gmdrm	hypo	CG	-0.9575
Gm01	39282800	39283349	Gmdrm	hypo	CG	-0.7617
Gm01	39299651	39299729	Gmdrm	hypo	CG	-0.045
Gm01	39383207	39383499	Gmdrm	hypo	CG	-0.0492
Gm01	39395105	39395207	Gmdrm	hypo	CG	-0.04
Gm01	39437986	39438099	Gmdrm	hypo	CG	-0.0867
Gm01	39473493	39473595	Gmdrm	hypo	CG	-0.06
Gm01	39481289	39481376	Gmdrm	hypo	CG	-0.3317
Gm01	39487701	39487889	Gmdrm	hypo	CG	-0.5062
Gm01	39488173	39488556	Gmdrm	hypo	CG	-0.263
Gm01	39506732	39507039	Gmdrm	hypo	CG	-0.0442
Gm01	39522256	39522411	Gmdrm	hypo	CG	-0.051
Gm01	39529242	39529361	Gmdrm	hypo	CG	-0.6917
Gm01	39569784	39570202	Gmdrm	hypo	CG	-0.0635
Gm01	39580089	39580166	Gmdrm	hypo	CG	-0.1516
Gm01	39654892	39655830	Gmdrm	hypo	CG	-0.0417

Gm01	39754367	39755119	Gmdrm	hypo	CG	-0.0411
Gm01	39755225	39755936	Gmdrm	hypo	CG	-0.057
Gm01	39785874	39786033	Gmdrm	hypo	CG	-0.0965
Gm01	39826430	39826499	Gmdrm	hypo	CG	-0.9649
Gm01	39850089	39850206	Gmdrm	hypo	CG	-0.2937
Gm01	39876452	39876715	Gmdrm	hypo	CG	-0.6938
Gm01	39911499	39911533	Gmdrm	hypo	CG	-0.53
Gm01	40104542	40104582	Gmdrm	hypo	CG	-0.0633
Gm01	40136042	40136481	Gmdrm	hypo	CG	-0.355
Gm01	40138682	40139094	Gmdrm	hypo	CG	-0.2435
Gm01	40166941	40167051	Gmdrm	hypo	CG	-0.4375
Gm01	40187357	40187560	Gmdrm	hypo	CG	-0.0771
Gm01	40191832	40192038	Gmdrm	hypo	CG	-0.0841
Gm01	40283642	40284558	Gmdrm	hypo	CG	-0.0313
Gm01	40297473	40297684	Gmdrm	hypo	CG	-0.1342
Gm01	40299874	40300008	Gmdrm	hypo	CG	-0.3967
Gm01	40302996	40303143	Gmdrm	hypo	CG	-0.0681
Gm01	40305420	40305860	Gmdrm	hypo	CG	-0.08
Gm01	40306500	40306597	Gmdrm	hypo	CG	-0.923
Gm01	40308628	40308749	Gmdrm	hypo	CG	-0.471
Gm01	40318230	40318267	Gmdrm	hypo	CG	-0.0388
Gm01	40420538	40421369	Gmdrm	hypo	CG	-0.0383
Gm01	40490643	40490879	Gmdrm	hypo	CG	-0.055
Gm01	40520309	40520703	Gmdrm	hypo	CG	-0.246
Gm01	40525712	40525819	Gmdrm	hypo	CG	-0.71
Gm01	40532924	40533091	Gmdrm	hypo	CG	-0.815
Gm01	40551073	40551549	Gmdrm	hypo	CG	-0.5885
Gm01	40551709	40552016	Gmdrm	hypo	CG	-0.872
Gm01	40556620	40556689	Gmdrm	hypo	CG	-0.225
Gm01	40597463	40597690	Gmdrm	hypo	CG	-0.539
Gm01	40608115	40608247	Gmdrm	hypo	CG	-0.0709
Gm01	40640684	40640786	Gmdrm	hypo	CG	-0.34
Gm01	40653761	40654025	Gmdrm	hypo	CG	-0.1185
Gm01	40654761	40654866	Gmdrm	hypo	CG	-0.856
Gm01	40661757	40661825	Gmdrm	hypo	CG	-0.8513
Gm01	40691639	40691980	Gmdrm	hypo	CG	-0.0416
Gm01	40709147	40709178	Gmdrm	hypo	CG	-0.1783
Gm01	40709393	40709471	Gmdrm	hypo	CG	-0.85
Gm01	40711561	40711693	Gmdrm	hypo	CG	-0.8912
Gm01	40722813	40722833	Gmdrm	hypo	CG	-0.945
Gm01	40748374	40748836	Gmdrm	hypo	CG	-0.1997
Gm01	40749148	40749182	Gmdrm	hypo	CG	-0.415
Gm01	40796819	40796878	Gmdrm	hypo	CG	-0.1473
Gm01	40898198	40898337	Gmdrm	hypo	CG	-0.16
Gm01	40927891	40928017	Gmdrm	hypo	CG	-0.595
Gm01	41055748	41055945	Gmdrm	hypo	CG	-0.5865

Gm01	41178486	41178586	Gmdrm	hypo	CG	-0.07
Gm01	41221065	41221234	Gmdrm	hypo	CG	-0.0911
Gm01	41231891	41231965	Gmdrm	hypo	CG	-0.1956
Gm01	41255240	41255354	Gmdrm	hypo	CG	-0.0338
Gm01	41259424	41259562	Gmdrm	hypo	CG	-0.2983
Gm01	41279385	41279432	Gmdrm	hypo	CG	-0.167
Gm01	41325241	41325457	Gmdrm	hypo	CG	-0.6675
Gm01	41325563	41325663	Gmdrm	hypo	CG	-0.9117
Gm01	41367209	41367310	Gmdrm	hypo	CG	-0.7437
Gm01	41378553	41378692	Gmdrm	hypo	CG	-0.755
Gm01	41382821	41383153	Gmdrm	hypo	CG	-0.4152
Gm01	41387753	41387885	Gmdrm	hypo	CG	-0.04
Gm01	41419109	41419155	Gmdrm	hypo	CG	-0.055
Gm01	41423127	41423144	Gmdrm	hypo	CG	-0.85
Gm01	41445529	41445720	Gmdrm	hypo	CG	-0.0442
Gm01	41453957	41453989	Gmdrm	hypo	CG	-0.815
Gm01	41454937	41455024	Gmdrm	hypo	CG	-0.142
Gm01	41455452	41455462	Gmdrm	hypo	CG	-0.2
Gm01	41456721	41456933	Gmdrm	hypo	CG	-0.4381
Gm01	41467387	41467581	Gmdrm	hypo	CG	-0.8343
Gm01	41467841	41468176	Gmdrm	hypo	CG	-0.1027
Gm01	41521931	41521995	Gmdrm	hypo	CG	-0.44
Gm01	41523269	41523357	Gmdrm	hypo	CG	-0.7213
Gm01	41527068	41527185	Gmdrm	hypo	CG	-0.0633
Gm01	41533052	41533077	Gmdrm	hypo	CG	-0.5284
Gm01	41538838	41538868	Gmdrm	hypo	CG	-0.9475
Gm01	41539026	41539223	Gmdrm	hypo	CG	-0.4622
Gm01	41550070	41550359	Gmdrm	hypo	CG	-0.8612
Gm01	41551470	41551618	Gmdrm	hypo	CG	-0.531
Gm01	41634221	41634464	Gmdrm	hypo	CG	-0.6335
Gm01	41679162	41679534	Gmdrm	hypo	CG	-0.0393
Gm01	41725188	41725252	Gmdrm	hypo	CG	-0.0525
Gm01	41731579	41731704	Gmdrm	hypo	CG	-0.0328
Gm01	41795460	41795629	Gmdrm	hypo	CG	-0.079
Gm01	41805092	41805230	Gmdrm	hypo	CG	-0.704
Gm01	41806207	41806316	Gmdrm	hypo	CG	-0.705
Gm01	41846788	41846831	Gmdrm	hypo	CG	-0.4167
Gm01	41847381	41847587	Gmdrm	hypo	CG	-0.915
Gm01	41849630	41849925	Gmdrm	hypo	CG	-0.3954
Gm01	41850539	41850882	Gmdrm	hypo	CG	-0.2895
Gm01	41860501	41860619	Gmdrm	hypo	CG	-0.0473
Gm01	41874452	41874690	Gmdrm	hypo	CG	-0.053
Gm01	41883822	41883997	Gmdrm	hypo	CG	-0.17
Gm01	41896565	41896619	Gmdrm	hypo	CG	-0.1113
Gm01	41896917	41897098	Gmdrm	hypo	CG	-0.466
Gm01	41904079	41904272	Gmdrm	hypo	CG	-0.6338

Gm01	41904646	41904937	Gmdrm	hypo	CG	-0.6431
Gm01	41911950	41912103	Gmdrm	hypo	CG	-0.084
Gm01	41933390	41933425	Gmdrm	hypo	CG	-0.49
Gm01	42015402	42015627	Gmdrm	hypo	CG	-0.0833
Gm01	42024560	42025326	Gmdrm	hypo	CG	-0.0431
Gm01	42034993	42035068	Gmdrm	hypo	CG	-0.4751
Gm01	42035348	42035894	Gmdrm	hypo	CG	-0.2571
Gm01	42038818	42039085	Gmdrm	hypo	CG	-0.6071
Gm01	42043517	42043606	Gmdrm	hypo	CG	-0.8761
Gm01	42046606	42046917	Gmdrm	hypo	CG	-0.2557
Gm01	42047788	42047988	Gmdrm	hypo	CG	-0.402
Gm01	42050642	42050685	Gmdrm	hypo	CG	-0.054
Gm01	42060491	42060612	Gmdrm	hypo	CG	-0.0558
Gm01	42060818	42060929	Gmdrm	hypo	CG	-0.3316
Gm01	42062128	42062436	Gmdrm	hypo	CG	-0.4887
Gm01	42091774	42091810	Gmdrm	hypo	CG	-0.115
Gm01	42108970	42109438	Gmdrm	hypo	CG	-0.1373
Gm01	42111337	42111381	Gmdrm	hypo	CG	-0.138
Gm01	42134011	42134101	Gmdrm	hypo	CG	-0.1243
Gm01	42363214	42363471	Gmdrm	hypo	CG	-0.0284
Gm01	42372013	42372374	Gmdrm	hypo	CG	-0.0347
Gm01	42395577	42395769	Gmdrm	hypo	CG	-0.565
Gm01	42425754	42425854	Gmdrm	hypo	CG	-0.0688
Gm01	42429939	42430094	Gmdrm	hypo	CG	-0.1187
Gm01	42430272	42430394	Gmdrm	hypo	CG	-0.3463
Gm01	42458470	42458570	Gmdrm	hypo	CG	-0.4934
Gm01	42505799	42505854	Gmdrm	hypo	CG	-0.96
Gm01	42512583	42512704	Gmdrm	hypo	CG	-0.2067
Gm01	42519593	42519755	Gmdrm	hypo	CG	-0.1857
Gm01	42531650	42531803	Gmdrm	hypo	CG	-0.3217
Gm01	42532793	42533226	Gmdrm	hypo	CG	-0.4925
Gm01	42533339	42533479	Gmdrm	hypo	CG	-0.4233
Gm01	42534777	42534897	Gmdrm	hypo	CG	-0.6
Gm01	42590838	42590993	Gmdrm	hypo	CG	-0.0754
Gm01	42722705	42722931	Gmdrm	hypo	CG	-0.0425
Gm01	42879748	42879900	Gmdrm	hypo	CG	-0.0517
Gm01	42890281	42890411	Gmdrm	hypo	CG	-0.3623
Gm01	42942541	42942665	Gmdrm	hypo	CG	-0.7033
Gm01	42951379	42951613	Gmdrm	hypo	CG	-0.3637
Gm01	42952656	42952846	Gmdrm	hypo	CG	-0.5151
Gm01	42954006	42954209	Gmdrm	hypo	CG	-0.6013
Gm01	42955796	42955949	Gmdrm	hypo	CG	-0.6093
Gm01	42957679	42957776	Gmdrm	hypo	CG	-0.5187
Gm01	42958521	42958761	Gmdrm	hypo	CG	-0.1964
Gm01	42972419	42972610	Gmdrm	hypo	CG	-0.1788
Gm01	42972791	42972949	Gmdrm	hypo	CG	-0.4084

Gm01	42975603	42975655	Gmdrm	hypo	CG	-0.335
Gm01	42976147	42976645	Gmdrm	hypo	CG	-0.7389
Gm01	42982004	42982135	Gmdrm	hypo	CG	-0.2119
Gm01	43146234	43146512	Gmdrm	hypo	CG	-0.5073
Gm01	43150166	43150330	Gmdrm	hypo	CG	-0.8492
Gm01	43168046	43168404	Gmdrm	hypo	CG	-0.07
Gm01	43178511	43179427	Gmdrm	hypo	CG	-0.0341
Gm01	43238007	43238705	Gmdrm	hypo	CG	-0.0489
Gm01	43252951	43253075	Gmdrm	hypo	CG	-0.065
Gm01	43256442	43256657	Gmdrm	hypo	CG	-0.039
Gm01	43346325	43346424	Gmdrm	hypo	CG	-0.0843
Gm01	43356328	43356395	Gmdrm	hypo	CG	-0.1612
Gm01	43366569	43366589	Gmdrm	hypo	CG	-0.5978
Gm01	43367362	43367379	Gmdrm	hypo	CG	-0.164
Gm01	43368612	43368739	Gmdrm	hypo	CG	-0.3674
Gm01	43369440	43369549	Gmdrm	hypo	CG	-0.835
Gm01	43388334	43388702	Gmdrm	hypo	CG	-0.0707
Gm01	43430592	43431064	Gmdrm	hypo	CG	-0.1456
Gm01	43434282	43434392	Gmdrm	hypo	CG	-0.8733
Gm01	43434493	43434551	Gmdrm	hypo	CG	-0.7233
Gm01	43443283	43443665	Gmdrm	hypo	CG	-0.1057
Gm01	43522462	43522577	Gmdrm	hypo	CG	-0.057
Gm01	43540867	43540926	Gmdrm	hypo	CG	-0.1833
Gm01	43558472	43558681	Gmdrm	hypo	CG	-0.0717
Gm01	43638985	43639120	Gmdrm	hypo	CG	-0.4156
Gm01	43640147	43640230	Gmdrm	hypo	CG	-0.9767
Gm01	43678530	43678608	Gmdrm	hypo	CG	-0.0517
Gm01	43738862	43738979	Gmdrm	hypo	CG	-0.09
Gm01	43764174	43764339	Gmdrm	hypo	CG	-0.3101
Gm01	43766485	43766588	Gmdrm	hypo	CG	-0.0376
Gm01	43841028	43841865	Gmdrm	hypo	CG	-0.1707
Gm01	43870955	43871068	Gmdrm	hypo	CG	-0.48
Gm01	43904574	43904682	Gmdrm	hypo	CG	-0.2016
Gm01	43925967	43926032	Gmdrm	hypo	CG	-0.035
Gm01	43930038	43930055	Gmdrm	hypo	CG	-0.5484
Gm01	43934508	43934591	Gmdrm	hypo	CG	-0.254
Gm01	43943546	43943622	Gmdrm	hypo	CG	-0.3371
Gm01	44002117	44002201	Gmdrm	hypo	CG	-0.1037
Gm01	44029113	44029217	Gmdrm	hypo	CG	-0.7738
Gm01	44029359	44029960	Gmdrm	hypo	CG	-0.2309
Gm01	44048644	44048744	Gmdrm	hypo	CG	-0.1011
Gm01	44071190	44071388	Gmdrm	hypo	CG	-0.0345
Gm01	44072514	44072709	Gmdrm	hypo	CG	-0.2563
Gm01	44072861	44072954	Gmdrm	hypo	CG	-0.376
Gm01	44077876	44078069	Gmdrm	hypo	CG	-0.18
Gm01	44082062	44082397	Gmdrm	hypo	CG	-0.4508

Gm01	44101498	44101803	Gmdrm	hypo	CG	-0.511
Gm01	44104334	44104503	Gmdrm	hypo	CG	-0.8315
Gm01	44179825	44179884	Gmdrm	hypo	CG	-0.055
Gm01	44186266	44186405	Gmdrm	hypo	CG	-0.1283
Gm01	44186748	44187050	Gmdrm	hypo	CG	-0.1838
Gm01	44221085	44221938	Gmdrm	hypo	CG	-0.0444
Gm01	44226549	44226665	Gmdrm	hypo	CG	-0.8612
Gm01	44247134	44247390	Gmdrm	hypo	CG	-0.406
Gm01	44265462	44265711	Gmdrm	hypo	CG	-0.197
Gm01	44276983	44277193	Gmdrm	hypo	CG	-0.0662
Gm01	44280487	44280787	Gmdrm	hypo	CG	-0.6953
Gm01	44280980	44281268	Gmdrm	hypo	CG	-0.5118
Gm01	44283706	44283762	Gmdrm	hypo	CG	-0.6234
Gm01	44313369	44313590	Gmdrm	hypo	CG	-0.7092
Gm01	44343157	44343369	Gmdrm	hypo	CG	-0.3162
Gm01	44543615	44543853	Gmdrm	hypo	CG	-0.1057
Gm01	44576668	44576722	Gmdrm	hypo	CG	-0.36
Gm01	44578776	44578863	Gmdrm	hypo	CG	-0.6737
Gm01	44579229	44579315	Gmdrm	hypo	CG	-0.938
Gm01	44586103	44586279	Gmdrm	hypo	CG	-0.2471
Gm01	44608489	44609099	Gmdrm	hypo	CG	-0.0623
Gm01	44614924	44614933	Gmdrm	hypo	CG	-0.23
Gm01	44615078	44615135	Gmdrm	hypo	CG	-0.2612
Gm01	44630821	44631179	Gmdrm	hypo	CG	-0.0469
Gm01	44645771	44645960	Gmdrm	hypo	CG	-0.2875
Gm01	44646101	44646216	Gmdrm	hypo	CG	-0.46
Gm01	44646411	44646621	Gmdrm	hypo	CG	-0.2314
Gm01	44650094	44650217	Gmdrm	hypo	CG	-0.1486
Gm01	44656190	44656275	Gmdrm	hypo	CG	-0.9575
Gm01	44657826	44657903	Gmdrm	hypo	CG	-0.526
Gm01	44674924	44675067	Gmdrm	hypo	CG	-0.0257
Gm01	44684055	44684114	Gmdrm	hypo	CG	-0.8584
Gm01	44684246	44684397	Gmdrm	hypo	CG	-0.816
Gm01	44697436	44697471	Gmdrm	hypo	CG	-0.1967
Gm01	44785182	44785520	Gmdrm	hypo	CG	-0.0727
Gm01	44794837	44794969	Gmdrm	hypo	CG	-0.52
Gm01	44806256	44806344	Gmdrm	hypo	CG	-0.32
Gm01	44812425	44812632	Gmdrm	hypo	CG	-0.135
Gm01	44817605	44817726	Gmdrm	hypo	CG	-0.8619
Gm01	44818429	44818506	Gmdrm	hypo	CG	-0.617
Gm01	44880268	44880343	Gmdrm	hypo	CG	-0.5275
Gm01	44881446	44881553	Gmdrm	hypo	CG	-0.612
Gm01	44881942	44882079	Gmdrm	hypo	CG	-0.1588
Gm01	44907300	44907426	Gmdrm	hypo	CG	-0.1512
Gm01	44911847	44911993	Gmdrm	hypo	CG	-0.29
Gm01	44913678	44913745	Gmdrm	hypo	CG	-0.038

Gm01	44991429	44991475	Gmdrm	hypo	CG	-0.0557
Gm01	44992363	44992421	Gmdrm	hypo	CG	-0.5083
Gm01	44998929	44999198	Gmdrm	hypo	CG	-0.6745
Gm01	45005137	45005339	Gmdrm	hypo	CG	-0.78
Gm01	45008636	45008911	Gmdrm	hypo	CG	-0.8394
Gm01	45034085	45034445	Gmdrm	hypo	CG	-0.3
Gm01	45049295	45049362	Gmdrm	hypo	CG	-0.7883
Gm01	45050031	45050121	Gmdrm	hypo	CG	-0.477
Gm01	45094125	45094206	Gmdrm	hypo	CG	-0.0883
Gm01	45105760	45106501	Gmdrm	hypo	CG	-0.5644
Gm01	45117033	45117156	Gmdrm	hypo	CG	-0.4623
Gm01	45130093	45130125	Gmdrm	hypo	CG	-0.9167
Gm01	45134810	45134899	Gmdrm	hypo	CG	-0.756
Gm01	45138102	45138630	Gmdrm	hypo	CG	-0.3197
Gm01	45146766	45146829	Gmdrm	hypo	CG	-0.3175
Gm01	45159326	45159447	Gmdrm	hypo	CG	-0.1425
Gm01	45160308	45160617	Gmdrm	hypo	CG	-0.6574
Gm01	45165458	45165647	Gmdrm	hypo	CG	-0.475
Gm01	45167239	45167392	Gmdrm	hypo	CG	-0.648
Gm01	45190427	45190471	Gmdrm	hypo	CG	-0.945
Gm01	45212904	45213002	Gmdrm	hypo	CG	-0.065
Gm01	45220669	45220875	Gmdrm	hypo	CG	-0.8925
Gm01	45221198	45221256	Gmdrm	hypo	CG	-0.735
Gm01	45225782	45226402	Gmdrm	hypo	CG	-0.0332
Gm01	45227229	45227491	Gmdrm	hypo	CG	-0.0317
Gm01	45245975	45246243	Gmdrm	hypo	CG	-0.1147
Gm01	45266327	45266506	Gmdrm	hypo	CG	-0.0967
Gm01	45267228	45267471	Gmdrm	hypo	CG	-0.058
Gm01	45278994	45279117	Gmdrm	hypo	CG	-0.9133
Gm01	45279257	45279286	Gmdrm	hypo	CG	-0.7133
Gm01	45284882	45285006	Gmdrm	hypo	CG	-0.0607
Gm01	45328390	45328459	Gmdrm	hypo	CG	-0.04
Gm01	45340138	45340232	Gmdrm	hypo	CG	-0.9167
Gm01	45357199	45357318	Gmdrm	hypo	CG	-0.2667
Gm01	45361133	45361237	Gmdrm	hypo	CG	-0.726
Gm01	45386960	45387092	Gmdrm	hypo	CG	-0.197
Gm01	45435630	45435696	Gmdrm	hypo	CG	-0.6883
Gm01	45440475	45440653	Gmdrm	hypo	CG	-0.245
Gm01	45475116	45475198	Gmdrm	hypo	CG	-0.8666
Gm01	45491206	45491340	Gmdrm	hypo	CG	-0.652
Gm01	45496424	45496606	Gmdrm	hypo	CG	-0.9064
Gm01	45502232	45502458	Gmdrm	hypo	CG	-0.0567
Gm01	45509145	45509380	Gmdrm	hypo	CG	-0.0531
Gm01	45545427	45545686	Gmdrm	hypo	CG	-0.6967
Gm01	45548720	45548914	Gmdrm	hypo	CG	-0.52
Gm01	45586133	45586289	Gmdrm	hypo	CG	-0.0521

Gm01	45587943	45588069	Gmdrm	hypo	CG	-0.862
Gm01	45588833	45588917	Gmdrm	hypo	CG	-0.5154
Gm01	45681338	45681511	Gmdrm	hypo	CG	-0.0407
Gm01	45688311	45688712	Gmdrm	hypo	CG	-0.0318
Gm01	45724269	45724457	Gmdrm	hypo	CG	-0.032
Gm01	45775610	45776101	Gmdrm	hypo	CG	-0.41
Gm01	45788979	45789142	Gmdrm	hypo	CG	-0.0659
Gm01	45797231	45797466	Gmdrm	hypo	CG	-0.2596
Gm01	45810051	45810124	Gmdrm	hypo	CG	-0.7213
Gm01	45821807	45822109	Gmdrm	hypo	CG	-0.671
Gm01	45859913	45860158	Gmdrm	hypo	CG	-0.0715
Gm01	45883725	45883935	Gmdrm	hypo	CG	-0.938
Gm01	45906557	45906817	Gmdrm	hypo	CG	-0.0643
Gm01	45908213	45908325	Gmdrm	hypo	CG	-0.125
Gm01	45926608	45926693	Gmdrm	hypo	CG	-0.294
Gm01	45960328	45960395	Gmdrm	hypo	CG	-0.8912
Gm01	45970567	45970611	Gmdrm	hypo	CG	-0.885
Gm01	45971843	45972081	Gmdrm	hypo	CG	-0.6173
Gm01	45972248	45972338	Gmdrm	hypo	CG	-0.8175
Gm01	45972787	45972820	Gmdrm	hypo	CG	-0.2812
Gm01	45973266	45973332	Gmdrm	hypo	CG	-0.4676
Gm01	45980270	45980505	Gmdrm	hypo	CG	-0.1877
Gm01	46011625	46011802	Gmdrm	hypo	CG	-0.7272
Gm01	46019430	46019481	Gmdrm	hypo	CG	-0.5412
Gm01	46026648	46026883	Gmdrm	hypo	CG	-0.0256
Gm01	46034888	46035022	Gmdrm	hypo	CG	-0.4725
Gm01	46038264	46038340	Gmdrm	hypo	CG	-0.795
Gm01	46049494	46049564	Gmdrm	hypo	CG	-0.168
Gm01	46141927	46142110	Gmdrm	hypo	CG	-0.1333
Gm01	46176529	46176601	Gmdrm	hypo	CG	-0.8133
Gm01	46176784	46176896	Gmdrm	hypo	CG	-0.8637
Gm01	46177328	46177608	Gmdrm	hypo	CG	-0.7494
Gm01	46198045	46198172	Gmdrm	hypo	CG	-0.0818
Gm01	46199572	46199783	Gmdrm	hypo	CG	-0.8321
Gm01	46222067	46222242	Gmdrm	hypo	CG	-0.07
Gm01	46232719	46232935	Gmdrm	hypo	CG	-0.0831
Gm01	46238583	46238916	Gmdrm	hypo	CG	-0.0504
Gm01	46250568	46250951	Gmdrm	hypo	CG	-0.0527
Gm01	46265567	46266091	Gmdrm	hypo	CG	-0.0482
Gm01	46287227	46287428	Gmdrm	hypo	CG	-0.6542
Gm01	46287683	46287920	Gmdrm	hypo	CG	-0.8885
Gm01	46291210	46291484	Gmdrm	hypo	CG	-0.04
Gm01	46315118	46315355	Gmdrm	hypo	CG	-0.2757
Gm01	46316050	46316083	Gmdrm	hypo	CG	-0.5583
Gm01	46320335	46320750	Gmdrm	hypo	CG	-0.4238
Gm01	46322011	46322318	Gmdrm	hypo	CG	-0.1754

Gm01	46334772	46334982	Gmdrm	hypo	CG	-0.2009
Gm01	46348977	46349039	Gmdrm	hypo	CG	-0.1813
Gm01	46349678	46349943	Gmdrm	hypo	CG	-0.2658
Gm01	46351722	46351949	Gmdrm	hypo	CG	-0.0667
Gm01	46370351	46370781	Gmdrm	hypo	CG	-0.4294
Gm01	46398378	46398439	Gmdrm	hypo	CG	-0.094
Gm01	46403082	46403474	Gmdrm	hypo	CG	-0.0234
Gm01	46432931	46433126	Gmdrm	hypo	CG	-0.2512
Gm01	46442002	46442100	Gmdrm	hypo	CG	-0.0917
Gm01	46466148	46466265	Gmdrm	hypo	CG	-0.732
Gm01	46466583	46466674	Gmdrm	hypo	CG	-0.47
Gm01	46478227	46478267	Gmdrm	hypo	CG	-0.88
Gm01	46488307	46488320	Gmdrm	hypo	CG	-0.1376
Gm01	46496539	46496697	Gmdrm	hypo	CG	-0.4528
Gm01	46540518	46540733	Gmdrm	hypo	CG	-0.653
Gm01	46541171	46541182	Gmdrm	hypo	CG	-0.655
Gm01	46541327	46541398	Gmdrm	hypo	CG	-0.6599
Gm01	46573071	46573212	Gmdrm	hypo	CG	-0.1023
Gm01	46609052	46609522	Gmdrm	hypo	CG	-0.0572
Gm01	46610470	46610592	Gmdrm	hypo	CG	-0.7067
Gm01	46627761	46628113	Gmdrm	hypo	CG	-0.4872
Gm01	46632036	46632102	Gmdrm	hypo	CG	-0.072
Gm01	46635777	46635867	Gmdrm	hypo	CG	-0.9367
Gm01	46640763	46640992	Gmdrm	hypo	CG	-0.0583
Gm01	46660277	46660355	Gmdrm	hypo	CG	-0.405
Gm01	46679275	46679719	Gmdrm	hypo	CG	-0.1478
Gm01	46713007	46713286	Gmdrm	hypo	CG	-0.0328
Gm01	46723991	46724199	Gmdrm	hypo	CG	-0.9525
Gm01	46735074	46735170	Gmdrm	hypo	CG	-0.1216
Gm01	46742696	46742870	Gmdrm	hypo	CG	-0.2443
Gm01	46773892	46774273	Gmdrm	hypo	CG	-0.0372
Gm01	46793083	46793419	Gmdrm	hypo	CG	-0.064
Gm01	46809201	46809451	Gmdrm	hypo	CG	-0.403
Gm01	46819667	46819767	Gmdrm	hypo	CG	-0.0414
Gm01	46855711	46856080	Gmdrm	hypo	CG	-0.0337
Gm01	46869228	46869539	Gmdrm	hypo	CG	-0.7481
Gm01	46869722	46869840	Gmdrm	hypo	CG	-0.766
Gm01	46880651	46880883	Gmdrm	hypo	CG	-0.045
Gm01	46914588	46914734	Gmdrm	hypo	CG	-0.2714
Gm01	46962134	46962433	Gmdrm	hypo	CG	-0.3115
Gm01	46985483	46985687	Gmdrm	hypo	CG	-0.0908
Gm01	46987265	46987561	Gmdrm	hypo	CG	-0.0485
Gm01	47030794	47031221	Gmdrm	hypo	CG	-0.6307
Gm01	47035625	47035921	Gmdrm	hypo	CG	-0.7437
Gm01	47044649	47044714	Gmdrm	hypo	CG	-0.185
Gm01	47107974	47108120	Gmdrm	hypo	CG	-0.561

Gm01	47109238	47109371	Gmdrm	hypo	CG	-0.806
Gm01	47110790	47110998	Gmdrm	hypo	CG	-0.7512
Gm01	47118784	47119134	Gmdrm	hypo	CG	-0.4389
Gm01	47119300	47119405	Gmdrm	hypo	CG	-0.7476
Gm01	47128395	47128458	Gmdrm	hypo	CG	-0.0617
Gm01	47148793	47148855	Gmdrm	hypo	CG	-0.2475
Gm01	47149138	47149169	Gmdrm	hypo	CG	-0.185
Gm01	47149545	47149688	Gmdrm	hypo	CG	-0.205
Gm01	47150021	47150043	Gmdrm	hypo	CG	-0.3883
Gm01	47175852	47176250	Gmdrm	hypo	CG	-0.1104
Gm01	47200400	47200540	Gmdrm	hypo	CG	-0.075
Gm01	47203937	47204000	Gmdrm	hypo	CG	-0.6484
Gm01	47204461	47204693	Gmdrm	hypo	CG	-0.5193
Gm01	47206232	47206341	Gmdrm	hypo	CG	-0.562
Gm01	47209801	47210040	Gmdrm	hypo	CG	-0.0374
Gm01	47240702	47241482	Gmdrm	hypo	CG	-0.061
Gm01	47296524	47296661	Gmdrm	hypo	CG	-0.0466
Gm01	47316225	47316337	Gmdrm	hypo	CG	-0.532
Gm01	47337909	47338114	Gmdrm	hypo	CG	-0.1864
Gm01	47406608	47406757	Gmdrm	hypo	CG	-0.3075
Gm01	47406913	47407290	Gmdrm	hypo	CG	-0.0875
Gm01	47407634	47407780	Gmdrm	hypo	CG	-0.902
Gm01	47510702	47510825	Gmdrm	hypo	CG	-0.058
Gm01	47532493	47532698	Gmdrm	hypo	CG	-0.8309
Gm01	47537884	47538181	Gmdrm	hypo	CG	-0.4137
Gm01	47559000	47559102	Gmdrm	hypo	CG	-0.5234
Gm01	47559376	47559400	Gmdrm	hypo	CG	-0.1
Gm01	47603446	47603621	Gmdrm	hypo	CG	-0.5414
Gm01	47645389	47645506	Gmdrm	hypo	CG	-0.6225
Gm01	47645860	47646052	Gmdrm	hypo	CG	-0.758
Gm01	47705744	47706113	Gmdrm	hypo	CG	-0.0368
Gm01	47709997	47710096	Gmdrm	hypo	CG	-0.3867
Gm01	47727361	47727458	Gmdrm	hypo	CG	-0.918
Gm01	47727793	47727861	Gmdrm	hypo	CG	-0.805
Gm01	47746911	47747130	Gmdrm	hypo	CG	-0.195
Gm01	47749875	47750089	Gmdrm	hypo	CG	-0.5243
Gm01	47756271	47756546	Gmdrm	hypo	CG	-0.0787
Gm01	47774633	47774731	Gmdrm	hypo	CG	-0.2993
Gm01	47775084	47775185	Gmdrm	hypo	CG	-0.4113
Gm01	47775623	47775721	Gmdrm	hypo	CG	-0.3967
Gm01	47776387	47776880	Gmdrm	hypo	CG	-0.103
Gm01	47778563	47778670	Gmdrm	hypo	CG	-0.6883
Gm01	47783936	47784061	Gmdrm	hypo	CG	-0.519
Gm01	47810065	47810346	Gmdrm	hypo	CG	-0.455
Gm01	47852469	47853466	Gmdrm	hypo	CG	-0.0222
Gm01	47868279	47868423	Gmdrm	hypo	CG	-0.178

Gm01	47872651	47872885	Gmdrm	hypo	CG	-0.0673
Gm01	47873631	47873660	Gmdrm	hypo	CG	-0.13
Gm01	47891807	47891996	Gmdrm	hypo	CG	-0.6925
Gm01	47908383	47908687	Gmdrm	hypo	CG	-0.0423
Gm01	47931516	47931694	Gmdrm	hypo	CG	-0.0514
Gm01	47986040	47986388	Gmdrm	hypo	CG	-0.0523
Gm01	48076143	48076238	Gmdrm	hypo	CG	-0.4167
Gm01	48088134	48088228	Gmdrm	hypo	CG	-0.495
Gm01	48092435	48092546	Gmdrm	hypo	CG	-0.3105
Gm01	48172882	48172987	Gmdrm	hypo	CG	-0.105
Gm01	48176138	48176338	Gmdrm	hypo	CG	-0.1837
Gm01	48220168	48220507	Gmdrm	hypo	CG	-0.1659
Gm01	48229728	48230042	Gmdrm	hypo	CG	-0.034
Gm01	48231579	48231907	Gmdrm	hypo	CG	-0.031
Gm01	48312392	48312553	Gmdrm	hypo	CG	-0.8517
Gm01	48313517	48313859	Gmdrm	hypo	CG	-0.315
Gm01	48314184	48314486	Gmdrm	hypo	CG	-0.277
Gm01	48350848	48351146	Gmdrm	hypo	CG	-0.0337
Gm01	48369040	48369128	Gmdrm	hypo	CG	-0.1983
Gm01	48413510	48413933	Gmdrm	hypo	CG	-0.0429
Gm01	48431956	48432277	Gmdrm	hypo	CG	-0.751
Gm01	48458442	48458625	Gmdrm	hypo	CG	-0.1144
Gm01	48460245	48460329	Gmdrm	hypo	CG	-0.9249
Gm01	48460541	48460748	Gmdrm	hypo	CG	-0.0944
Gm01	48462609	48462773	Gmdrm	hypo	CG	-0.2388
Gm01	48465174	48465305	Gmdrm	hypo	CG	-0.0978
Gm01	48480548	48480764	Gmdrm	hypo	CG	-0.376
Gm01	48534373	48534383	Gmdrm	hypo	CG	-0.145
Gm01	48535232	48535348	Gmdrm	hypo	CG	-0.9133
Gm01	48621622	48621670	Gmdrm	hypo	CG	-0.3767
Gm01	48666114	48666207	Gmdrm	hypo	CG	-0.6367
Gm01	48702857	48702971	Gmdrm	hypo	CG	-0.0586
Gm01	48704066	48704246	Gmdrm	hypo	CG	-0.055
Gm01	48722463	48722491	Gmdrm	hypo	CG	-0.714
Gm01	48739217	48739426	Gmdrm	hypo	CG	-0.1043
Gm01	48761093	48761215	Gmdrm	hypo	CG	-0.707
Gm01	48766130	48766283	Gmdrm	hypo	CG	-0.112
Gm01	48774861	48775010	Gmdrm	hypo	CG	-0.2606
Gm01	48813369	48813637	Gmdrm	hypo	CG	-0.1128
Gm01	48831765	48831973	Gmdrm	hypo	CG	-0.0826
Gm01	48833624	48834093	Gmdrm	hypo	CG	-0.223
Gm01	48848113	48848234	Gmdrm	hypo	CG	-0.2183
Gm01	48848473	48848619	Gmdrm	hypo	CG	-0.136
Gm01	48866179	48866191	Gmdrm	hypo	CG	-0.1467
Gm01	48868531	48868724	Gmdrm	hypo	CG	-0.2392
Gm01	48870869	48871081	Gmdrm	hypo	CG	-0.503

Gm01	48881617	48882230	Gmdrm	hypo	CG	-0.121
Gm01	48887526	48887629	Gmdrm	hypo	CG	-0.6717
Gm01	48887996	48888186	Gmdrm	hypo	CG	-0.4375
Gm01	48921622	48921796	Gmdrm	hypo	CG	-0.1686
Gm01	48922058	48922180	Gmdrm	hypo	CG	-0.205
Gm01	48927078	48927127	Gmdrm	hypo	CG	-0.705
Gm01	48927544	48927755	Gmdrm	hypo	CG	-0.6462
Gm01	48959155	48959233	Gmdrm	hypo	CG	-0.8316
Gm01	49001774	49001909	Gmdrm	hypo	CG	-0.5301
Gm01	49003003	49003957	Gmdrm	hypo	CG	-0.0508
Gm01	49023475	49023899	Gmdrm	hypo	CG	-0.1516
Gm01	49027591	49027816	Gmdrm	hypo	CG	-0.347
Gm01	49028104	49028252	Gmdrm	hypo	CG	-0.7417
Gm01	49031941	49032090	Gmdrm	hypo	CG	-0.048
Gm01	49065087	49065209	Gmdrm	hypo	CG	-0.6
Gm01	49074741	49074991	Gmdrm	hypo	CG	-0.96
Gm01	49075127	49075165	Gmdrm	hypo	CG	-0.67
Gm01	49122906	49122922	Gmdrm	hypo	CG	-0.0963
Gm01	49150347	49150940	Gmdrm	hypo	CG	-0.1521
Gm01	49160580	49160755	Gmdrm	hypo	CG	-0.0439
Gm01	49197823	49198201	Gmdrm	hypo	CG	-0.7118
Gm01	49208181	49208189	Gmdrm	hypo	CG	-0.7017
Gm01	49234831	49234946	Gmdrm	hypo	CG	-0.0767
Gm01	49263207	49263262	Gmdrm	hypo	CG	-0.81
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Gm01	49300457	49300520	Gmdrm	hypo	CG	-0.5083
Gm01	49300714	49300815	Gmdrm	hypo	CG	-0.4438
Gm01	49301755	49301869	Gmdrm	hypo	CG	-0.7988
Gm01	49340618	49340876	Gmdrm	hypo	CG	-0.069
Gm01	49351144	49351263	Gmdrm	hypo	CG	-0.6389
Gm01	49354665	49354895	Gmdrm	hypo	CG	-0.3775
Gm01	49364866	49364877	Gmdrm	hypo	CG	-0.2
Gm01	49365353	49365420	Gmdrm	hypo	CG	-0.629
Gm01	49369732	49370430	Gmdrm	hypo	CG	-0.0244
Gm01	49448536	49449487	Gmdrm	hypo	CG	-0.03
Gm01	49464374	49464456	Gmdrm	hypo	CG	-0.0537
Gm01	49473934	49474326	Gmdrm	hypo	CG	-0.0964
Gm01	49487830	49487926	Gmdrm	hypo	CG	-0.3714
Gm01	49524245	49524294	Gmdrm	hypo	CG	-0.0785
Gm01	49533936	49533969	Gmdrm	hypo	CG	-0.6916
Gm01	49537650	49537771	Gmdrm	hypo	CG	-0.5775
Gm01	49538361	49538579	Gmdrm	hypo	CG	-0.7221
Gm01	49553170	49553259	Gmdrm	hypo	CG	-0.7566
Gm01	49558588	49558724	Gmdrm	hypo	CG	-0.7289
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Gm01	49649075	49649156	Gmdrm	hypo	CG	-0.2033

Gm01	49649266	49649406	Gmdrm	hypo	CG	-0.4
Gm01	49651740	49651801	Gmdrm	hypo	CG	-0.065
Gm01	49661430	49661820	Gmdrm	hypo	CG	-0.417
Gm01	49677330	49677417	Gmdrm	hypo	CG	-0.472
Gm01	49697358	49697599	Gmdrm	hypo	CG	-0.8493
Gm01	49737306	49737612	Gmdrm	hypo	CG	-0.5335
Gm01	49744682	49744789	Gmdrm	hypo	CG	-0.7488
Gm01	49749271	49749531	Gmdrm	hypo	CG	-0.92
Gm01	49768242	49768862	Gmdrm	hypo	CG	-0.0393
Gm01	49786636	49786880	Gmdrm	hypo	CG	-0.9334
Gm01	49789975	49790106	Gmdrm	hypo	CG	-0.6717
Gm01	49804719	49804894	Gmdrm	hypo	CG	-0.1115
Gm01	49828965	49829673	Gmdrm	hypo	CG	-0.2028
Gm01	49844100	49845055	Gmdrm	hypo	CG	-0.447
Gm01	49845211	49845314	Gmdrm	hypo	CG	-0.474
Gm01	49846550	49846931	Gmdrm	hypo	CG	-0.5433
Gm01	49853147	49853362	Gmdrm	hypo	CG	-0.7065
Gm01	49861764	49861865	Gmdrm	hypo	CG	-0.3117
Gm01	49862695	49862822	Gmdrm	hypo	CG	-0.9233
Gm01	49867756	49868459	Gmdrm	hypo	CG	-0.198
Gm01	49871390	49871632	Gmdrm	hypo	CG	-0.465
Gm01	49871937	49872349	Gmdrm	hypo	CG	-0.8155
Gm01	49936874	49936983	Gmdrm	hypo	CG	-0.7285
Gm01	49941631	49941994	Gmdrm	hypo	CG	-0.7213
Gm01	49942117	49942377	Gmdrm	hypo	CG	-0.4839
Gm01	49942499	49942671	Gmdrm	hypo	CG	-0.4508
Gm01	49965410	49965576	Gmdrm	hypo	CG	-0.5662
Gm01	49965743	49965978	Gmdrm	hypo	CG	-0.4653
Gm01	49981779	49981924	Gmdrm	hypo	CG	-0.9688
Gm01	49985822	49985948	Gmdrm	hypo	CG	-0.91
Gm01	50001829	50001960	Gmdrm	hypo	CG	-0.528
Gm01	50003890	50004290	Gmdrm	hypo	CG	-0.4404
Gm01	50015915	50015962	Gmdrm	hypo	CG	-0.4633
Gm01	50020139	50020409	Gmdrm	hypo	CG	-0.0558
Gm01	50025270	50025344	Gmdrm	hypo	CG	-0.275
Gm01	50033766	50033907	Gmdrm	hypo	CG	-0.5274
Gm01	50053346	50053558	Gmdrm	hypo	CG	-0.8625
Gm01	50069473	50069595	Gmdrm	hypo	CG	-0.4767
Gm01	50076777	50077377	Gmdrm	hypo	CG	-0.0829
Gm01	50078088	50078278	Gmdrm	hypo	CG	-0.726
Gm01	50079840	50080001	Gmdrm	hypo	CG	-0.2959
Gm01	50080356	50080484	Gmdrm	hypo	CG	-0.8542
Gm01	50080897	50081022	Gmdrm	hypo	CG	-0.6967
Gm01	50083424	50083463	Gmdrm	hypo	CG	-0.9688
Gm01	50084056	50084452	Gmdrm	hypo	CG	-0.5804
Gm01	50085083	50085199	Gmdrm	hypo	CG	-0.847

Gm01	50086168	50086547 Gmdrm	hypo	CG	-0.5092
Gm01	50090233	50090337 Gmdrm	hypo	CG	-0.5582
Gm01	50097920	50097983 Gmdrm	hypo	CG	-0.5033
Gm01	50101349	50101505 Gmdrm	hypo	CG	-0.5708
Gm01	50102012	50102152 Gmdrm	hypo	CG	-0.6844
Gm01	50110510	50110919 Gmdrm	hypo	CG	-0.02
Gm01	50135349	50135433 Gmdrm	hypo	CG	-0.123
Gm01	50165393	50165905 Gmdrm	hypo	CG	-0.0448
Gm01	50175038	50175136 Gmdrm	hypo	CG	-0.6917
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Gm01	50201867	50202368 Gmdrm	hypo	CG	-0.0268
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Gm01	50243594	50243737 Gmdrm	hypo	CG	-0.4812
Gm01	50289904	50290059 Gmdrm	hypo	CG	-0.93
Gm01	50298944	50299230 Gmdrm	hypo	CG	-0.4734
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Gm01	50372435	50372603 Gmdrm	hypo	CG	-0.1737
Gm01	50372823	50372963 Gmdrm	hypo	CG	-0.463
Gm01	50373101	50373294 Gmdrm	hypo	CG	-0.7574
Gm01	50391318	50391390 Gmdrm	hypo	CG	-0.0562
Gm01	50397073	50397163 Gmdrm	hypo	CG	-0.9
Gm01	50402815	50402889 Gmdrm	hypo	CG	-0.69
Gm01	50424757	50424905 Gmdrm	hypo	CG	-0.071
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Gm01	50439779	50439967 Gmdrm	hypo	CG	-0.9591
Gm01	50452290	50452382 Gmdrm	hypo	CG	-0.9401
Gm01	50452728	50452802 Gmdrm	hypo	CG	-0.609
Gm01	50466284	50466694 Gmdrm	hypo	CG	-0.4138
Gm01	50473099	50473238 Gmdrm	hypo	CG	-0.4321
Gm01	50473468	50473590 Gmdrm	hypo	CG	-0.645
Gm01	50476623	50476793 Gmdrm	hypo	CG	-0.1178
Gm01	50498570	50498745 Gmdrm	hypo	CG	-0.0875
Gm01	50499528	50499549 Gmdrm	hypo	CG	-0.115
Gm01	50508758	50508909 Gmdrm	hypo	CG	-0.9517
Gm01	50510078	50510265 Gmdrm	hypo	CG	-0.85
Gm01	50510391	50510467 Gmdrm	hypo	CG	-0.84
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Gm01	50606103	50606473 Gmdrm	hypo	CG	-0.9414
Gm01	50608079	50608139 Gmdrm	hypo	CG	-0.5
Gm01	50610971	50611198 Gmdrm	hypo	CG	-0.0515
Gm01	50624275	50624866 Gmdrm	hypo	CG	-0.385
Gm01	50646762	50646890 Gmdrm	hypo	CG	-0.9563
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Gm01	50663499	50663573	Gmdrm	hypo	CG	-0.0922
Gm01	50663744	50663869	Gmdrm	hypo	CG	-0.297
Gm01	50686995	50687173	Gmdrm	hypo	CG	-0.29
Gm01	50688106	50688239	Gmdrm	hypo	CG	-0.7825
Gm01	50735837	50735950	Gmdrm	hypo	CG	-0.905
Gm01	50756658	50756845	Gmdrm	hypo	CG	-0.5146
Gm01	50778830	50778906	Gmdrm	hypo	CG	-0.97
Gm01	50779032	50779121	Gmdrm	hypo	CG	-0.8633
Gm01	50813577	50813675	Gmdrm	hypo	CG	-0.6517
Gm01	50833072	50833394	Gmdrm	hypo	CG	-0.048
Gm01	50837911	50838781	Gmdrm	hypo	CG	-0.2206
Gm01	50838909	50839357	Gmdrm	hypo	CG	-0.3822
Gm01	50844132	50844193	Gmdrm	hypo	CG	-0.2937
Gm01	50925888	50926167	Gmdrm	hypo	CG	-0.2448
Gm01	50948532	50948835	Gmdrm	hypo	CG	-0.7933
Gm01	50970059	50970124	Gmdrm	hypo	CG	-0.5816
Gm01	51013486	51013530	Gmdrm	hypo	CG	-0.91
Gm01	51014428	51014699	Gmdrm	hypo	CG	-0.8058
Gm01	51035086	51035441	Gmdrm	hypo	CG	-0.3165
Gm01	51047556	51047703	Gmdrm	hypo	CG	-0.7207
Gm01	51073568	51073583	Gmdrm	hypo	CG	-0.038
Gm01	51100192	51100503	Gmdrm	hypo	CG	-0.8419
Gm01	51124122	51124331	Gmdrm	hypo	CG	-0.3122
Gm01	51146256	51146359	Gmdrm	hypo	CG	-0.9067
Gm01	51153977	51154183	Gmdrm	hypo	CG	-0.0389
Gm01	51158523	51158653	Gmdrm	hypo	CG	-0.35
Gm01	51159388	51159571	Gmdrm	hypo	CG	-0.0445
Gm01	51179128	51179373	Gmdrm	hypo	CG	-0.9522
Gm01	51185357	51185524	Gmdrm	hypo	CG	-0.8611
Gm01	51216601	51216847	Gmdrm	hypo	CG	-0.935
Gm01	51220488	51220589	Gmdrm	hypo	CG	-0.295
Gm01	51232289	51232426	Gmdrm	hypo	CG	-0.5362
Gm01	51233188	51233413	Gmdrm	hypo	CG	-0.9523
Gm01	51236898	51237031	Gmdrm	hypo	CG	-0.5824
Gm01	51253032	51253122	Gmdrm	hypo	CG	-0.285
Gm01	51253234	51253536	Gmdrm	hypo	CG	-0.4506
Gm01	51301560	51301621	Gmdrm	hypo	CG	-0.44
Gm01	51311086	51311111	Gmdrm	hypo	CG	-0.045
Gm01	51325132	51325345	Gmdrm	hypo	CG	-0.0272
Gm01	51336920	51336941	Gmdrm	hypo	CG	-0.459
Gm01	51345172	51345496	Gmdrm	hypo	CG	-0.4954
Gm01	51368168	51368250	Gmdrm	hypo	CG	-0.7562
Gm01	51376135	51376220	Gmdrm	hypo	CG	-0.7888
Gm01	51405639	51405946	Gmdrm	hypo	CG	-0.4756
Gm01	51426366	51426600	Gmdrm	hypo	CG	-0.7475
Gm01	51429994	51430602	Gmdrm	hypo	CG	-0.6331

Gm01	51433915	51434175	Gmdrm	hypo	CG	-0.1417
Gm01	51484121	51484164	Gmdrm	hypo	CG	-0.04
Gm01	51492361	51492415	Gmdrm	hypo	CG	-0.085
Gm01	51503228	51503309	Gmdrm	hypo	CG	-0.97
Gm01	51513380	51513596	Gmdrm	hypo	CG	-0.032
Gm01	51571738	51571828	Gmdrm	hypo	CG	-0.1066
Gm01	51598554	51598617	Gmdrm	hypo	CG	-0.669
Gm01	51602438	51602606	Gmdrm	hypo	CG	-0.2986
Gm01	51616915	51617291	Gmdrm	hypo	CG	-0.0456
Gm01	51638636	51638776	Gmdrm	hypo	CG	-0.735
Gm01	51641474	51641603	Gmdrm	hypo	CG	-0.905
Gm01	51654329	51654447	Gmdrm	hypo	CG	-0.7829
Gm01	51665413	51665492	Gmdrm	hypo	CG	-0.3775
Gm01	51690091	51690308	Gmdrm	hypo	CG	-0.5647
Gm01	51690662	51690828	Gmdrm	hypo	CG	-0.5875
Gm01	51705364	51705689	Gmdrm	hypo	CG	-0.1229
Gm01	51706663	51706793	Gmdrm	hypo	CG	-0.6266
Gm01	51722616	51722659	Gmdrm	hypo	CG	-0.59
Gm01	51723094	51723228	Gmdrm	hypo	CG	-0.7738
Gm01	51738303	51738401	Gmdrm	hypo	CG	-0.2487
Gm01	51778292	51778485	Gmdrm	hypo	CG	-0.8395
Gm01	51789633	51789840	Gmdrm	hypo	CG	-0.9472
Gm01	51795032	51795319	Gmdrm	hypo	CG	-0.8356
Gm01	51805980	51806009	Gmdrm	hypo	CG	-0.9117
Gm01	51806619	51806706	Gmdrm	hypo	CG	-0.102
Gm01	51807077	51807258	Gmdrm	hypo	CG	-0.383
Gm01	51819480	51819686	Gmdrm	hypo	CG	-0.048
Gm01	51821613	51822170	Gmdrm	hypo	CG	-0.5426
Gm01	51842739	51842870	Gmdrm	hypo	CG	-0.0428
Gm01	51858862	51859187	Gmdrm	hypo	CG	-0.4292
Gm01	51860674	51860750	Gmdrm	hypo	CG	-0.5037
Gm01	51861486	51861597	Gmdrm	hypo	CG	-0.7
Gm01	51872050	51872272	Gmdrm	hypo	CG	-0.0217
Gm01	51913900	51914274	Gmdrm	hypo	CG	-0.6255
Gm01	51915131	51915709	Gmdrm	hypo	CG	-0.094
Gm01	51920394	51920509	Gmdrm	hypo	CG	-0.5731
Gm01	51920709	51920908	Gmdrm	hypo	CG	-0.7995
Gm01	51922117	51922281	Gmdrm	hypo	CG	-0.15
Gm01	51929575	51929717	Gmdrm	hypo	CG	-0.9824
Gm01	51930051	51930185	Gmdrm	hypo	CG	-0.93
Gm01	51951762	51951814	Gmdrm	hypo	CG	-0.6713
Gm01	51952695	51952838	Gmdrm	hypo	CG	-0.1138
Gm01	51954926	51955252	Gmdrm	hypo	CG	-0.5664
Gm01	51973537	51973728	Gmdrm	hypo	CG	-0.39
Gm01	51989009	51989572	Gmdrm	hypo	CG	-0.557
Gm01	52002152	52002398	Gmdrm	hypo	CG	-0.9507

Gm01	52008389	52008644	Gmdrm	hypo	CG	-0.3838
Gm01	52009054	52009183	Gmdrm	hypo	CG	-0.765
Gm01	52057224	52057450	Gmdrm	hypo	CG	-0.687
Gm01	52075244	52075310	Gmdrm	hypo	CG	-0.6662
Gm01	52082151	52082226	Gmdrm	hypo	CG	-0.7483
Gm01	52088106	52088249	Gmdrm	hypo	CG	-0.8288
Gm01	52092276	52092351	Gmdrm	hypo	CG	-0.925
Gm01	52093947	52094043	Gmdrm	hypo	CG	-0.0367
Gm01	52104133	52104364	Gmdrm	hypo	CG	-0.1607
Gm01	52107137	52107561	Gmdrm	hypo	CG	-0.093
Gm01	52197659	52197700	Gmdrm	hypo	CG	-0.8717
Gm01	52200262	52200358	Gmdrm	hypo	CG	-0.5316
Gm01	52229623	52229749	Gmdrm	hypo	CG	-0.4714
Gm01	52230208	52230323	Gmdrm	hypo	CG	-0.148
Gm01	52230555	52230669	Gmdrm	hypo	CG	-0.1841
Gm01	52254336	52254560	Gmdrm	hypo	CG	-0.052
Gm01	52285207	52285553	Gmdrm	hypo	CG	-0.5736
Gm01	52317526	52317584	Gmdrm	hypo	CG	-0.385
Gm01	52319354	52319534	Gmdrm	hypo	CG	-0.1144
Gm01	52357342	52357594	Gmdrm	hypo	CG	-0.032
Gm01	52359683	52359945	Gmdrm	hypo	CG	-0.0312
Gm01	52370952	52371035	Gmdrm	hypo	CG	-0.878
Gm01	52373865	52373932	Gmdrm	hypo	CG	-0.05
Gm01	52398479	52398538	Gmdrm	hypo	CG	-0.6517
Gm01	52422984	52423193	Gmdrm	hypo	CG	-0.7539
Gm01	52469162	52469999	Gmdrm	hypo	CG	-0.3092
Gm01	52472007	52472582	Gmdrm	hypo	CG	-0.039
Gm01	52483284	52483481	Gmdrm	hypo	CG	-0.0734
Gm01	52494634	52494738	Gmdrm	hypo	CG	-0.2033
Gm01	52506757	52506800	Gmdrm	hypo	CG	-0.9217
Gm01	52506961	52507099	Gmdrm	hypo	CG	-0.89
Gm01	52509675	52509767	Gmdrm	hypo	CG	-0.921
Gm01	52517787	52517887	Gmdrm	hypo	CG	-0.876
Gm01	52530735	52530751	Gmdrm	hypo	CG	-0.3934
Gm01	52543530	52543834	Gmdrm	hypo	CG	-0.3375
Gm01	52550770	52550977	Gmdrm	hypo	CG	-0.7354
Gm01	52551114	52551320	Gmdrm	hypo	CG	-0.6446
Gm01	52569756	52569962	Gmdrm	hypo	CG	-0.7625
Gm01	52570072	52570343	Gmdrm	hypo	CG	-0.2927
Gm01	52570493	52570650	Gmdrm	hypo	CG	-0.3344
Gm01	52571196	52571894	Gmdrm	hypo	CG	-0.4229
Gm01	52597971	52598232	Gmdrm	hypo	CG	-0.9157
Gm01	52599274	52599469	Gmdrm	hypo	CG	-0.1173
Gm01	52599596	52599693	Gmdrm	hypo	CG	-0.9733
Gm01	52605864	52606050	Gmdrm	hypo	CG	-0.5878
Gm01	52606178	52606278	Gmdrm	hypo	CG	-0.2462

Gm01	52609613	52609746	Gmdrm	hypo	CG	-0.8017
Gm01	52610101	52610207	Gmdrm	hypo	CG	-0.23
Gm01	52610814	52610962	Gmdrm	hypo	CG	-0.6363
Gm01	52625383	52625518	Gmdrm	hypo	CG	-0.2543
Gm01	52647579	52647718	Gmdrm	hypo	CG	-0.8425
Gm01	52648945	52648995	Gmdrm	hypo	CG	-0.605
Gm01	52667497	52667591	Gmdrm	hypo	CG	-0.58
Gm01	52667917	52668190	Gmdrm	hypo	CG	-0.675
Gm01	52671044	52671169	Gmdrm	hypo	CG	-0.6737
Gm01	52709185	52709275	Gmdrm	hypo	CG	-0.21
Gm01	52709967	52710146	Gmdrm	hypo	CG	-0.3672
Gm01	52736049	52736126	Gmdrm	hypo	CG	-0.734
Gm01	52775753	52775813	Gmdrm	hypo	CG	-0.33
Gm01	52785927	52785989	Gmdrm	hypo	CG	-0.9583
Gm01	52786854	52787095	Gmdrm	hypo	CG	-0.2755
Gm01	52817086	52817172	Gmdrm	hypo	CG	-0.397
Gm01	52818301	52818389	Gmdrm	hypo	CG	-0.8543
Gm01	52836715	52836856	Gmdrm	hypo	CG	-0.245
Gm01	52848933	52849107	Gmdrm	hypo	CG	-0.59
Gm01	52853523	52854076	Gmdrm	hypo	CG	-0.7038
Gm01	52854895	52855035	Gmdrm	hypo	CG	-0.9472
Gm01	52865301	52865758	Gmdrm	hypo	CG	-0.2236
Gm01	52865905	52866103	Gmdrm	hypo	CG	-0.3383
Gm01	52867728	52867914	Gmdrm	hypo	CG	-0.1381
Gm01	52868103	52868209	Gmdrm	hypo	CG	-0.75
Gm01	52870602	52870939	Gmdrm	hypo	CG	-0.269
Gm01	52910868	52911029	Gmdrm	hypo	CG	-0.0417
Gm01	52924429	52924724	Gmdrm	hypo	CG	-0.8769
Gm01	52927142	52927210	Gmdrm	hypo	CG	-0.1967
Gm01	52931760	52931971	Gmdrm	hypo	CG	-0.785
Gm01	52937956	52938067	Gmdrm	hypo	CG	-0.893
Gm01	52975164	52975341	Gmdrm	hypo	CG	-0.6566
Gm01	53000883	53001001	Gmdrm	hypo	CG	-0.3662
Gm01	53001225	53001371	Gmdrm	hypo	CG	-0.115
Gm01	53008396	53008763	Gmdrm	hypo	CG	-0.9623
Gm01	53008937	53009008	Gmdrm	hypo	CG	-0.8417
Gm01	53038100	53038153	Gmdrm	hypo	CG	-0.7799
Gm01	53038422	53038678	Gmdrm	hypo	CG	-0.2792
Gm01	53066075	53066172	Gmdrm	hypo	CG	-0.76
Gm01	53067620	53067697	Gmdrm	hypo	CG	-0.7583
Gm01	53112554	53112942	Gmdrm	hypo	CG	-0.0516
Gm01	53118495	53118539	Gmdrm	hypo	CG	-0.34
Gm01	53118912	53119032	Gmdrm	hypo	CG	-0.2117
Gm01	53123635	53123878	Gmdrm	hypo	CG	-0.3556
Gm01	53124079	53124141	Gmdrm	hypo	CG	-0.6167
Gm01	53171256	53171462	Gmdrm	hypo	CG	-0.4013

Gm01	53171826	53171970	Gmdrm	hypo	CG	-0.8522
Gm01	53189321	53189445	Gmdrm	hypo	CG	-0.95
Gm01	53189645	53189880	Gmdrm	hypo	CG	-0.396
Gm01	53191246	53191445	Gmdrm	hypo	CG	-0.5008
Gm01	53212059	53212359	Gmdrm	hypo	CG	-0.8808
Gm01	53238990	53239168	Gmdrm	hypo	CG	-0.302
Gm01	53258053	53258218	Gmdrm	hypo	CG	-0.7912
Gm01	53271622	53271710	Gmdrm	hypo	CG	-0.8662
Gm01	53282304	53282481	Gmdrm	hypo	CG	-0.1879
Gm01	53293889	53293965	Gmdrm	hypo	CG	-0.07
Gm01	53309201	53309378	Gmdrm	hypo	CG	-0.9
Gm01	53323776	53323801	Gmdrm	hypo	CG	-0.094
Gm01	53326647	53326856	Gmdrm	hypo	CG	-0.5342
Gm01	53449808	53449879	Gmdrm	hypo	CG	-0.966
Gm01	53477837	53478212	Gmdrm	hypo	CG	-0.2415
Gm01	53482630	53482785	Gmdrm	hypo	CG	-0.032
Gm01	53493909	53494099	Gmdrm	hypo	CG	-0.817
Gm01	53530160	53530302	Gmdrm	hypo	CG	-0.3025
Gm01	53530443	53530547	Gmdrm	hypo	CG	-0.3987
Gm01	53530811	53531137	Gmdrm	hypo	CG	-0.65
Gm01	53540262	53540382	Gmdrm	hypo	CG	-0.365
Gm01	53541016	53541171	Gmdrm	hypo	CG	-0.0543
Gm01	53551557	53551764	Gmdrm	hypo	CG	-0.622
Gm01	53561312	53561601	Gmdrm	hypo	CG	-0.47
Gm01	53564861	53565151	Gmdrm	hypo	CG	-0.8314
Gm01	53572916	53572933	Gmdrm	hypo	CG	-0.99
Gm01	53587092	53587330	Gmdrm	hypo	CG	-0.0263
Gm01	53600907	53601120	Gmdrm	hypo	CG	-0.3436
Gm01	53602225	53602355	Gmdrm	hypo	CG	-0.142
Gm01	53603984	53604087	Gmdrm	hypo	CG	-0.94
Gm01	53608121	53608247	Gmdrm	hypo	CG	-0.5013
Gm01	53608970	53609265	Gmdrm	hypo	CG	-0.5566
Gm01	53659187	53659309	Gmdrm	hypo	CG	-0.1718
Gm01	53659585	53659690	Gmdrm	hypo	CG	-0.9712
Gm01	53672796	53672838	Gmdrm	hypo	CG	-0.08
Gm01	53697600	53697777	Gmdrm	hypo	CG	-0.64
Gm01	53697909	53698102	Gmdrm	hypo	CG	-0.266
Gm01	53698209	53698799	Gmdrm	hypo	CG	-0.3377
Gm01	53732781	53733018	Gmdrm	hypo	CG	-0.825
Gm01	53740314	53740704	Gmdrm	hypo	CG	-0.7004
Gm01	53749673	53749795	Gmdrm	hypo	CG	-0.304
Gm01	53751427	53751834	Gmdrm	hypo	CG	-0.2748
Gm01	53811004	53811043	Gmdrm	hypo	CG	-0.634
Gm01	53811872	53812250	Gmdrm	hypo	CG	-0.8345
Gm01	53816627	53816881	Gmdrm	hypo	CG	-0.03
Gm01	53817930	53818543	Gmdrm	hypo	CG	-0.0254

Gm01	53821272	53821316	Gmdrm	hypo	CG	-0.8417
Gm01	53828674	53828730	Gmdrm	hypo	CG	-0.2884
Gm01	53829151	53829407	Gmdrm	hypo	CG	-0.576
Gm01	53829623	53829829	Gmdrm	hypo	CG	-0.1704
Gm01	53830074	53830328	Gmdrm	hypo	CG	-0.6473
Gm01	53836192	53836254	Gmdrm	hypo	CG	-0.8117
Gm01	53837063	53837154	Gmdrm	hypo	CG	-0.788
Gm01	53853599	53853734	Gmdrm	hypo	CG	-0.928
Gm01	53861604	53861863	Gmdrm	hypo	CG	-0.8207
Gm01	53862017	53862230	Gmdrm	hypo	CG	-0.8457
Gm01	53868688	53868886	Gmdrm	hypo	CG	-0.8256
Gm01	53879066	53879172	Gmdrm	hypo	CG	-0.9416
Gm01	53882382	53882692	Gmdrm	hypo	CG	-0.3745
Gm01	53885212	53885620	Gmdrm	hypo	CG	-0.9131
Gm01	53892694	53892902	Gmdrm	hypo	CG	-0.4585
Gm01	53898721	53898831	Gmdrm	hypo	CG	-0.7208
Gm01	53900746	53900898	Gmdrm	hypo	CG	-0.962
Gm01	53914102	53914121	Gmdrm	hypo	CG	-0.13
Gm01	53914380	53914554	Gmdrm	hypo	CG	-0.5728
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Gm01	53934434	53934460	Gmdrm	hypo	CG	-0.495
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Gm01	53996433	53996465	Gmdrm	hypo	CG	-0.61
Gm01	54000718	54000817	Gmdrm	hypo	CG	-0.0386
Gm01	54005179	54005216	Gmdrm	hypo	CG	-0.5583
Gm01	54005595	54005764	Gmdrm	hypo	CG	-0.6687
Gm01	54015708	54015975	Gmdrm	hypo	CG	-0.855
Gm01	54020224	54020258	Gmdrm	hypo	CG	-0.262
Gm01	54032196	54032298	Gmdrm	hypo	CG	-0.6784
Gm01	54050973	54051086	Gmdrm	hypo	CG	-0.3284
Gm01	54051190	54051308	Gmdrm	hypo	CG	-0.878
Gm01	54051596	54051634	Gmdrm	hypo	CG	-0.4984
Gm01	54094483	54095377	Gmdrm	hypo	CG	-0.0685
Gm01	54107572	54107755	Gmdrm	hypo	CG	-0.0408
Gm01	54123900	54124063	Gmdrm	hypo	CG	-0.1862
Gm01	54124415	54124623	Gmdrm	hypo	CG	-0.687
Gm01	54129231	54129377	Gmdrm	hypo	CG	-0.9406
Gm01	54147924	54148208	Gmdrm	hypo	CG	-0.665
Gm01	54152774	54152793	Gmdrm	hypo	CG	-0.7566
Gm01	54251595	54251641	Gmdrm	hypo	CG	-0.8184
Gm01	54251749	54251853	Gmdrm	hypo	CG	-0.2378
Gm01	54320205	54320747	Gmdrm	hypo	CG	-0.0423

Gm01	54322070	54322298	Gmdrm	hypo	CG	-0.9071
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Gm01	54357813	54358005	Gmdrm	hypo	CG	-0.631
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Gm01	54370233	54370521	Gmdrm	hypo	CG	-0.623
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Gm01	54387573	54388062	Gmdrm	hypo	CG	-0.3629
Gm01	54393136	54393216	Gmdrm	hypo	CG	-0.086
Gm01	54401100	54401555	Gmdrm	hypo	CG	-0.7346
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Gm01	54599797	54599996	Gmdrm	hypo	CG	-0.3394
Gm01	54602775	54603023	Gmdrm	hypo	CG	-0.2425
Gm01	54603313	54603358	Gmdrm	hypo	CG	-0.8313
Gm01	54603895	54604051	Gmdrm	hypo	CG	-0.9673
Gm01	54697417	54697636	Gmdrm	hypo	CG	-0.353
Gm01	54718413	54718657	Gmdrm	hypo	CG	-0.5246
Gm01	54718878	54719074	Gmdrm	hypo	CG	-0.43
Gm01	54723089	54723638	Gmdrm	hypo	CG	-0.0312
Gm01	54734182	54734449	Gmdrm	hypo	CG	-0.4667
Gm01	54750927	54751121	Gmdrm	hypo	CG	-0.5437
Gm01	54766888	54767312	Gmdrm	hypo	CG	-0.175
Gm01	54767445	54767710	Gmdrm	hypo	CG	-0.5079
Gm01	54783554	54783803	Gmdrm	hypo	CG	-0.0346
Gm01	54785328	54785494	Gmdrm	hypo	CG	-0.59
Gm01	54795515	54795553	Gmdrm	hypo	CG	-0.738
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Gm01	54842673	54842720	Gmdrm	hypo	CG	-0.1988
Gm01	54847033	54847340	Gmdrm	hypo	CG	-0.1361
Gm01	54848976	54849210	Gmdrm	hypo	CG	-0.3191
Gm01	54880711	54880800	Gmdrm	hypo	CG	-0.9666
Gm01	54888648	54888694	Gmdrm	hypo	CG	-0.7917
Gm01	54888821	54888948	Gmdrm	hypo	CG	-0.7262

Gm01	54907610	54907655	Gmdrm	hypo	CG	-0.0416
Gm01	54912036	54912398	Gmdrm	hypo	CG	-0.3615
Gm01	54917919	54918182	Gmdrm	hypo	CG	-0.1789
Gm01	54918470	54918553	Gmdrm	hypo	CG	-0.3317
Gm01	54927924	54928058	Gmdrm	hypo	CG	-0.77
Gm01	54933264	54933400	Gmdrm	hypo	CG	-0.1057
Gm01	54934728	54934791	Gmdrm	hypo	CG	-0.595
Gm01	54934963	54935063	Gmdrm	hypo	CG	-0.044
Gm01	54967252	54967319	Gmdrm	hypo	CG	-0.04
Gm01	54973278	54973310	Gmdrm	hypo	CG	-0.0467
Gm01	54977007	54977129	Gmdrm	hypo	CG	-0.4695
Gm01	54991419	54991524	Gmdrm	hypo	CG	-0.921
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Gm01	54999515	54999603	Gmdrm	hypo	CG	-0.7816
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Gm01	55023724	55023877	Gmdrm	hypo	CG	-0.455
Gm01	55024063	55024116	Gmdrm	hypo	CG	-0.7883
Gm01	55036171	55036299	Gmdrm	hypo	CG	-0.932
Gm01	55036415	55036654	Gmdrm	hypo	CG	-0.9257
Gm01	55036761	55036798	Gmdrm	hypo	CG	-0.8683
Gm01	55082992	55083385	Gmdrm	hypo	CG	-0.4831
Gm01	55086034	55086204	Gmdrm	hypo	CG	-0.8833
Gm01	55096886	55097125	Gmdrm	hypo	CG	-0.0713
Gm01	55106996	55107024	Gmdrm	hypo	CG	-0.3688
Gm01	55119278	55119288	Gmdrm	hypo	CG	-0.64
Gm01	55120021	55120045	Gmdrm	hypo	CG	-0.344
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Gm01	55135404	55135856	Gmdrm	hypo	CG	-0.5896
Gm01	55157286	55157582	Gmdrm	hypo	CG	-0.6806
Gm01	55158906	55159119	Gmdrm	hypo	CG	-0.6716
Gm01	55187693	55187784	Gmdrm	hypo	CG	-0.9517
Gm01	55205276	55205439	Gmdrm	hypo	CG	-0.934
Gm01	55235772	55235840	Gmdrm	hypo	CG	-0.7667
Gm01	55244382	55244623	Gmdrm	hypo	CG	-0.7228
Gm01	55244740	55244831	Gmdrm	hypo	CG	-0.895
Gm01	55313500	55313722	Gmdrm	hypo	CG	-0.5035
Gm01	55321478	55321545	Gmdrm	hypo	CG	-0.8937
Gm01	55328381	55328731	Gmdrm	hypo	CG	-0.5206
Gm01	55333454	55333483	Gmdrm	hypo	CG	-0.8034
Gm01	55354911	55355111	Gmdrm	hypo	CG	-0.955
Gm01	55365472	55365744	Gmdrm	hypo	CG	-0.9556
Gm01	55385224	55385569	Gmdrm	hypo	CG	-0.1567
Gm01	55403901	55403998	Gmdrm	hypo	CG	-0.055
Gm01	55460540	55460640	Gmdrm	hypo	CG	-0.9683
Gm01	55466766	55466915	Gmdrm	hypo	CG	-0.064

Gm01	55492765	55493024	Gmdrm	hypo	CG	-0.9031
Gm01	55504008	55504172	Gmdrm	hypo	CG	-0.035
Gm01	55507239	55507364	Gmdrm	hypo	CG	-0.6208
Gm01	55534549	55534923	Gmdrm	hypo	CG	-0.9127
Gm01	55593627	55593848	Gmdrm	hypo	CG	-0.8225
Gm01	55606639	55606709	Gmdrm	hypo	CG	-0.907
Gm01	55664074	55664207	Gmdrm	hypo	CG	-0.06
Gm01	55747030	55747606	Gmdrm	hypo	CG	-0.3018
Gm01	55759691	55759879	Gmdrm	hypo	CG	-0.4151
Gm01	55767468	55767854	Gmdrm	hypo	CG	-0.2281
Gm01	55773485	55773614	Gmdrm	hypo	CG	-0.651
Gm01	55795969	55796289	Gmdrm	hypo	CG	-0.4888
Gm01	55805465	55805656	Gmdrm	hypo	CG	-0.5607
Gm01	55836663	55837102	Gmdrm	hypo	CG	-0.7396
Gm01	55887384	55887696	Gmdrm	hypo	CG	-0.058
Gm01	55895685	55895963	Gmdrm	hypo	CG	-0.2384
Gm01	55931060	55931308	Gmdrm	hypo	CG	-0.062
Gm01	55935152	55935245	Gmdrm	hypo	CG	-0.03
Gm01	55957606	55957771	Gmdrm	hypo	CG	-0.315
Gm01	55993056	55993210	Gmdrm	hypo	CG	-0.56
Gm01	56056739	56056887	Gmdrm	hypo	CG	-0.259
Gm01	56084199	56084684	Gmdrm	hypo	CG	-0.2462
Gm01	56097917	56097970	Gmdrm	hypo	CG	-0.7225
Gm01	56098200	56098411	Gmdrm	hypo	CG	-0.9608
Gm01	56131305	56131372	Gmdrm	hypo	CG	-0.6784
Gm01	56143529	56143699	Gmdrm	hypo	CG	-0.5112
Gm01	56147764	56147983	Gmdrm	hypo	CG	-0.082
Gm01	56150339	56150554	Gmdrm	hypo	CG	-0.4751
Gm01	56170373	56170608	Gmdrm	hypo	CG	-0.3283
Gm01	56204807	56204824	Gmdrm	hypo	CG	-0.7267
Gm01	56217423	56217675	Gmdrm	hypo	CG	-0.0366
Gm01	56230342	56230388	Gmdrm	hypo	CG	-0.3775
Gm01	56233961	56234097	Gmdrm	hypo	CG	-0.086
Gm01	56246303	56246480	Gmdrm	hypo	CG	-0.042
Gm01	56247693	56247822	Gmdrm	hypo	CG	-0.412
Gm01	56247983	56248257	Gmdrm	hypo	CG	-0.3429
Gm01	56253194	56253218	Gmdrm	hypo	CG	-0.12
Gm01	56258814	56258875	Gmdrm	hypo	CG	-0.8317
Gm01	56267012	56267232	Gmdrm	hypo	CG	-0.0386
Gm01	56274619	56274957	Gmdrm	hypo	CG	-0.0381
Gm01	56276601	56276633	Gmdrm	hypo	CG	-0.8125
Gm01	56276779	56277035	Gmdrm	hypo	CG	-0.6992
Gm01	56277308	56277324	Gmdrm	hypo	CG	-0.7066
Gm01	56318742	56318758	Gmdrm	hypo	CG	-0.0283
Gm01	56344671	56344921	Gmdrm	hypo	CG	-0.0647
Gm01	56363842	56364000	Gmdrm	hypo	CG	-0.068

Gm01	56375346	56375480	Gmdrm	hypo	CG	-0.034
Gm01	56384838	56385040	Gmdrm	hypo	CG	-0.0417
Gm01	56388047	56388396	Gmdrm	hypo	CG	-0.92
Gm01	56435196	56435368	Gmdrm	hypo	CG	-0.046
Gm01	56467951	56468169	Gmdrm	hypo	CG	-0.965
Gm01	56469754	56469875	Gmdrm	hypo	CG	-0.5543
Gm01	56470149	56470365	Gmdrm	hypo	CG	-0.7531
Gm01	56478373	56478602	Gmdrm	hypo	CG	-0.0237
Gm01	56487132	56487502	Gmdrm	hypo	CG	-0.6444
Gm01	56487904	56488207	Gmdrm	hypo	CG	-0.2804
Gm01	56492973	56493016	Gmdrm	hypo	CG	-0.5517
Gm01	56503539	56503689	Gmdrm	hypo	CG	-0.6067
Gm01	56504613	56504898	Gmdrm	hypo	CG	-0.8757
Gm01	56517763	56517869	Gmdrm	hypo	CG	-0.0583
Gm01	56525818	56525873	Gmdrm	hypo	CG	-0.9367
Gm01	56584815	56585101	Gmdrm	hypo	CG	-0.6694
Gm01	56585422	56585776	Gmdrm	hypo	CG	-0.3304
Gm01	56596535	56596697	Gmdrm	hypo	CG	-0.4429
Gm01	56597100	56597217	Gmdrm	hypo	CG	-0.491
Gm01	56605068	56605180	Gmdrm	hypo	CG	-0.97
Gm01	56622180	56622354	Gmdrm	hypo	CG	-0.6483
Gm01	56643554	56643976	Gmdrm	hypo	CG	-0.5917
Gm01	56653085	56653401	Gmdrm	hypo	CG	-0.0249
Gm01	56657300	56657341	Gmdrm	hypo	CG	-0.048
Gm01	56660966	56661138	Gmdrm	hypo	CG	-0.524
Gm01	56682542	56682758	Gmdrm	hypo	CG	-0.901
Gm01	56741763	56741890	Gmdrm	hypo	CG	-0.2575
Gm01	56749719	56749878	Gmdrm	hypo	CG	-0.056
Gm01	56754152	56754209	Gmdrm	hypo	CG	-0.516
Gm01	56759729	56759843	Gmdrm	hypo	CG	-0.1843
Gm01	56808909	56809170	Gmdrm	hypo	CG	-0.2855
Gm01	56828578	56828641	Gmdrm	hypo	CG	-0.2466
Gm01	56831254	56831498	Gmdrm	hypo	CG	-0.6687
Gm01	56857500	56857601	Gmdrm	hypo	CG	-0.132
Gm01	56857956	56858129	Gmdrm	hypo	CG	-0.6583
Gm01	56865314	56865423	Gmdrm	hypo	CG	-0.5366
Gm01	56866327	56866583	Gmdrm	hypo	CG	-0.392
Gm01	56867046	56867177	Gmdrm	hypo	CG	-0.375
Gm01	56877692	56877835	Gmdrm	hypo	CG	-0.2421
Gm01	56885999	56886168	Gmdrm	hypo	CG	-0.0283
Gm01	56909649	56909913	Gmdrm	hypo	CG	-0.0285
Gm01	56923477	56923616	Gmdrm	hypo	CG	-0.0234
Gm01	56926511	56926928	Gmdrm	hypo	CG	-0.8663
Gm01	56988602	56989301	Gmdrm	hypo	CG	-0.0672
Gm01	56989407	56989539	Gmdrm	hypo	CG	-0.259
Gm01	57006594	57006664	Gmdrm	hypo	CG	-0.036

Gm01	57013416	57013464	Gmdrm	hypo	CG	-0.4333
Gm01	57099593	57100143	Gmdrm	hypo	CG	-0.1218
Gm01	57107424	57107644	Gmdrm	hypo	CG	-0.5975
Gm01	57108675	57109089	Gmdrm	hypo	CG	-0.5678
Gm01	57134777	57134872	Gmdrm	hypo	CG	-0.785
Gm01	57141155	57141324	Gmdrm	hypo	CG	-0.6264
Gm01	57199524	57199542	Gmdrm	hypo	CG	-0.8567
Gm01	57212638	57212722	Gmdrm	hypo	CG	-0.4617
Gm01	57256943	57257098	Gmdrm	hypo	CG	-0.7325
Gm01	57260472	57260642	Gmdrm	hypo	CG	-0.244
Gm01	57273727	57273843	Gmdrm	hypo	CG	-0.0873
Gm01	57281451	57281630	Gmdrm	hypo	CG	-0.8507
Gm01	57283155	57283369	Gmdrm	hypo	CG	-0.0233
Gm01	57300133	57300614	Gmdrm	hypo	CG	-0.0337
Gm01	57302105	57302207	Gmdrm	hypo	CG	-0.9387
Gm01	57343573	57343765	Gmdrm	hypo	CG	-0.0744
Gm01	57347126	57347197	Gmdrm	hypo	CG	-0.76
Gm01	57360163	57360239	Gmdrm	hypo	CG	-0.946
Gm01	57383663	57383985	Gmdrm	hypo	CG	-0.7437
Gm01	57409621	57409692	Gmdrm	hypo	CG	-0.5934
Gm01	57421757	57421895	Gmdrm	hypo	CG	-0.7564
Gm01	57436344	57436589	Gmdrm	hypo	CG	-0.7566
Gm01	57438776	57438925	Gmdrm	hypo	CG	-0.754
Gm01	57479878	57479981	Gmdrm	hypo	CG	-0.635
Gm01	57485535	57485734	Gmdrm	hypo	CG	-0.5775
Gm01	57527799	57527845	Gmdrm	hypo	CG	-0.2817
Gm01	57532766	57532957	Gmdrm	hypo	CG	-0.6609
Gm01	57582402	57582569	Gmdrm	hypo	CG	-0.76
Gm01	57594027	57594155	Gmdrm	hypo	CG	-0.0725
Gm01	57614213	57614615	Gmdrm	hypo	CG	-0.0584
Gm01	57616955	57616974	Gmdrm	hypo	CG	-0.9766
Gm01	57653211	57653253	Gmdrm	hypo	CG	-0.032
Gm01	57659817	57659863	Gmdrm	hypo	CG	-0.54
Gm01	57680083	57680395	Gmdrm	hypo	CG	-0.495
Gm01	57680745	57680884	Gmdrm	hypo	CG	-0.26
Gm01	57681331	57681422	Gmdrm	hypo	CG	-0.505
Gm01	57690202	57690324	Gmdrm	hypo	CG	-0.451
Gm01	57725170	57725519	Gmdrm	hypo	CG	-0.6188
Gm01	57727040	57727253	Gmdrm	hypo	CG	-0.086
Gm01	57735936	57736019	Gmdrm	hypo	CG	-0.8584
Gm01	57736993	57737155	Gmdrm	hypo	CG	-0.6464
Gm01	57758389	57758413	Gmdrm	hypo	CG	-0.788
Gm01	57787663	57787875	Gmdrm	hypo	CG	-0.4017
Gm01	57798373	57798527	Gmdrm	hypo	CG	-0.4265
Gm01	57799667	57799734	Gmdrm	hypo	CG	-0.198
Gm01	57822310	57822587	Gmdrm	hypo	CG	-0.9241

Gm01	57837675	57837739	Gmdrm	hypo	CG	-0.97
Gm01	57838630	57838686	Gmdrm	hypo	CG	-0.08
Gm01	57852712	57853046	Gmdrm	hypo	CG	-0.1138
Gm01	57874389	57874561	Gmdrm	hypo	CG	-0.761
Gm01	57882052	57882185	Gmdrm	hypo	CG	-0.2687
Gm01	57889600	57889699	Gmdrm	hypo	CG	-0.4583
Gm01	57890035	57890232	Gmdrm	hypo	CG	-0.1717
Gm01	57927282	57927418	Gmdrm	hypo	CG	-0.285
Gm02	22774	22992	Gmdrm	hypo	CG	-0.885
Gm02	23572	23802	Gmdrm	hypo	CG	-0.918
Gm02	37296	37756	Gmdrm	hypo	CG	-0.2203
Gm02	38064	38148	Gmdrm	hypo	CG	-0.96
Gm02	40403	40734	Gmdrm	hypo	CG	-0.0474
Gm02	49793	49888	Gmdrm	hypo	CG	-0.7233
Gm02	57907	57978	Gmdrm	hypo	CG	-0.465
Gm02	65594	65955	Gmdrm	hypo	CG	-0.8905
Gm02	93778	94046	Gmdrm	hypo	CG	-0.6666
Gm02	94288	94423	Gmdrm	hypo	CG	-0.535
Gm02	104532	104641	Gmdrm	hypo	CG	-0.5134
Gm02	108539	108665	Gmdrm	hypo	CG	-0.2
Gm02	114889	114934	Gmdrm	hypo	CG	-0.2117
Gm02	115294	115339	Gmdrm	hypo	CG	-0.31
Gm02	139269	139341	Gmdrm	hypo	CG	-0.635
Gm02	186709	186956	Gmdrm	hypo	CG	-0.0645
Gm02	202412	202502	Gmdrm	hypo	CG	-0.7238
Gm02	202765	202843	Gmdrm	hypo	CG	-0.064
Gm02	209201	209529	Gmdrm	hypo	CG	-0.8718
Gm02	209874	209959	Gmdrm	hypo	CG	-0.2066
Gm02	210310	210437	Gmdrm	hypo	CG	-0.952
Gm02	218938	219081	Gmdrm	hypo	CG	-0.9058
Gm02	232044	232241	Gmdrm	hypo	CG	-0.6667
Gm02	271025	271275	Gmdrm	hypo	CG	-0.0525
Gm02	287896	287972	Gmdrm	hypo	CG	-0.3913
Gm02	311202	311529	Gmdrm	hypo	CG	-0.9689
Gm02	311712	311802	Gmdrm	hypo	CG	-0.55
Gm02	324992	325112	Gmdrm	hypo	CG	-0.0666
Gm02	336131	336235	Gmdrm	hypo	CG	-0.5725
Gm02	336561	336722	Gmdrm	hypo	CG	-0.8717
Gm02	337980	338295	Gmdrm	hypo	CG	-0.713
Gm02	343973	344009	Gmdrm	hypo	CG	-0.86
Gm02	344415	344537	Gmdrm	hypo	CG	-0.6537
Gm02	344799	344884	Gmdrm	hypo	CG	-0.2128
Gm02	363945	364083	Gmdrm	hypo	CG	-0.5756
Gm02	376446	376564	Gmdrm	hypo	CG	-0.14
Gm02	376726	376926	Gmdrm	hypo	CG	-0.1013
Gm02	378005	378204	Gmdrm	hypo	CG	-0.7475

Gm02	385072	385246 Gmdrm	hypo	CG	-0.2185
Gm02	386074	386294 Gmdrm	hypo	CG	-0.7057
Gm02	395846	395977 Gmdrm	hypo	CG	-0.395
Gm02	407523	407604 Gmdrm	hypo	CG	-0.932
Gm02	407721	407756 Gmdrm	hypo	CG	-0.8233
Gm02	416337	416569 Gmdrm	hypo	CG	-0.2007
Gm02	420746	420920 Gmdrm	hypo	CG	-0.9666
Gm02	446958	447042 Gmdrm	hypo	CG	-0.5386
Gm02	450781	450852 Gmdrm	hypo	CG	-0.938
Gm02	451769	452048 Gmdrm	hypo	CG	-0.1225
Gm02	470764	470873 Gmdrm	hypo	CG	-0.9483
Gm02	483930	484096 Gmdrm	hypo	CG	-0.2508
Gm02	484322	484465 Gmdrm	hypo	CG	-0.221
Gm02	484646	484705 Gmdrm	hypo	CG	-0.14
Gm02	488696	489153 Gmdrm	hypo	CG	-0.0595
Gm02	555078	555251 Gmdrm	hypo	CG	-0.4357
Gm02	561027	561113 Gmdrm	hypo	CG	-0.8917
Gm02	570978	571109 Gmdrm	hypo	CG	-0.8933
Gm02	573289	573709 Gmdrm	hypo	CG	-0.8616
Gm02	607823	607871 Gmdrm	hypo	CG	-0.796
Gm02	608448	608474 Gmdrm	hypo	CG	-0.472
Gm02	639825	639996 Gmdrm	hypo	CG	-0.7925
Gm02	650765	650957 Gmdrm	hypo	CG	-0.8588
Gm02	651108	651245 Gmdrm	hypo	CG	-0.545
Gm02	651616	651746 Gmdrm	hypo	CG	-0.6
Gm02	666123	666458 Gmdrm	hypo	CG	-0.9718
Gm02	719128	719942 Gmdrm	hypo	CG	-0.4356
Gm02	722430	722616 Gmdrm	hypo	CG	-0.342
Gm02	724412	724723 Gmdrm	hypo	CG	-0.89
Gm02	740995	741011 Gmdrm	hypo	CG	-0.572
Gm02	764395	764516 Gmdrm	hypo	CG	-0.5613
Gm02	865614	865701 Gmdrm	hypo	CG	-0.9034
Gm02	866021	866056 Gmdrm	hypo	CG	-0.11
Gm02	908980	909139 Gmdrm	hypo	CG	-0.4113
Gm02	909815	909863 Gmdrm	hypo	CG	-0.975
Gm02	925924	926193 Gmdrm	hypo	CG	-0.9469
Gm02	926343	926367 Gmdrm	hypo	CG	-0.9733
Gm02	926471	926576 Gmdrm	hypo	CG	-0.9083
Gm02	926704	926762 Gmdrm	hypo	CG	-0.8483
Gm02	929677	929817 Gmdrm	hypo	CG	-0.9387
Gm02	930891	931105 Gmdrm	hypo	CG	-0.6355
Gm02	931360	931542 Gmdrm	hypo	CG	-0.33
Gm02	947578	947654 Gmdrm	hypo	CG	-0.0357
Gm02	947940	948097 Gmdrm	hypo	CG	-0.6724
Gm02	948350	948787 Gmdrm	hypo	CG	-0.6795
Gm02	984364	984509 Gmdrm	hypo	CG	-0.032

Gm02	995202	995345 Gmdrm	hypo	CG	-0.387
Gm02	995852	995893 Gmdrm	hypo	CG	-0.68
Gm02	1004601	1004709 Gmdrm	hypo	CG	-0.9206
Gm02	1005309	1005474 Gmdrm	hypo	CG	-0.9819
Gm02	1030795	1031079 Gmdrm	hypo	CG	-0.7682
Gm02	1037706	1038006 Gmdrm	hypo	CG	-0.4562
Gm02	1056478	1056638 Gmdrm	hypo	CG	-0.955
Gm02	1061769	1061921 Gmdrm	hypo	CG	-0.686
Gm02	1062251	1062423 Gmdrm	hypo	CG	-0.523
Gm02	1062659	1062706 Gmdrm	hypo	CG	-0.7767
Gm02	1063761	1063925 Gmdrm	hypo	CG	-0.06
Gm02	1075747	1075811 Gmdrm	hypo	CG	-0.2
Gm02	1080995	1081155 Gmdrm	hypo	CG	-0.941
Gm02	1081310	1081351 Gmdrm	hypo	CG	-0.9717
Gm02	1086817	1087011 Gmdrm	hypo	CG	-0.0416
Gm02	1092596	1092779 Gmdrm	hypo	CG	-0.5978
Gm02	1129147	1129615 Gmdrm	hypo	CG	-0.4441
Gm02	1133346	1133735 Gmdrm	hypo	CG	-0.5032
Gm02	1133920	1134397 Gmdrm	hypo	CG	-0.1309
Gm02	1136927	1137024 Gmdrm	hypo	CG	-0.57
Gm02	1169409	1169558 Gmdrm	hypo	CG	-0.56
Gm02	1177002	1177230 Gmdrm	hypo	CG	-0.8956
Gm02	1192803	1192857 Gmdrm	hypo	CG	-0.27
Gm02	1211961	1212102 Gmdrm	hypo	CG	-0.475
Gm02	1231196	1231642 Gmdrm	hypo	CG	-0.035
Gm02	1251777	1252026 Gmdrm	hypo	CG	-0.0262
Gm02	1253728	1253811 Gmdrm	hypo	CG	-0.085
Gm02	1256088	1256162 Gmdrm	hypo	CG	-0.6783
Gm02	1258000	1258061 Gmdrm	hypo	CG	-0.972
Gm02	1293797	1294165 Gmdrm	hypo	CG	-0.5753
Gm02	1295044	1295280 Gmdrm	hypo	CG	-0.8777
Gm02	1306623	1306828 Gmdrm	hypo	CG	-0.7691
Gm02	1325098	1325339 Gmdrm	hypo	CG	-0.797
Gm02	1334028	1334204 Gmdrm	hypo	CG	-0.4952
Gm02	1418057	1418210 Gmdrm	hypo	CG	-0.044
Gm02	1424332	1424472 Gmdrm	hypo	CG	-0.1484
Gm02	1424828	1424868 Gmdrm	hypo	CG	-0.7337
Gm02	1446855	1447076 Gmdrm	hypo	CG	-0.037
Gm02	1451055	1451151 Gmdrm	hypo	CG	-0.8788
Gm02	1466980	1467111 Gmdrm	hypo	CG	-0.7433
Gm02	1467632	1467872 Gmdrm	hypo	CG	-0.6655
Gm02	1476517	1476586 Gmdrm	hypo	CG	-0.075
Gm02	1507585	1507750 Gmdrm	hypo	CG	-0.97
Gm02	1532001	1532214 Gmdrm	hypo	CG	-0.064
Gm02	1553836	1553958 Gmdrm	hypo	CG	-0.6801
Gm02	1598908	1599149 Gmdrm	hypo	CG	-0.2746

Gm02	1599581	1599834	Gmdrm	hypo	CG	-0.556
Gm02	1609264	1609302	Gmdrm	hypo	CG	-0.7083
Gm02	1619375	1619418	Gmdrm	hypo	CG	-0.4516
Gm02	1631217	1631465	Gmdrm	hypo	CG	-0.9083
Gm02	1648305	1648455	Gmdrm	hypo	CG	-0.9928
Gm02	1669957	1670364	Gmdrm	hypo	CG	-0.6027
Gm02	1678493	1678722	Gmdrm	hypo	CG	-0.4657
Gm02	1690619	1690792	Gmdrm	hypo	CG	-0.596
Gm02	1695743	1695919	Gmdrm	hypo	CG	-0.5716
Gm02	1712895	1712935	Gmdrm	hypo	CG	-0.5033
Gm02	1745632	1745717	Gmdrm	hypo	CG	-0.7684
Gm02	1752251	1752295	Gmdrm	hypo	CG	-0.8183
Gm02	1802930	1803054	Gmdrm	hypo	CG	-0.0817
Gm02	1852292	1852407	Gmdrm	hypo	CG	-0.5063
Gm02	1852724	1852889	Gmdrm	hypo	CG	-0.6185
Gm02	1891435	1891563	Gmdrm	hypo	CG	-0.2837
Gm02	1909195	1909245	Gmdrm	hypo	CG	-0.8717
Gm02	1911934	1912076	Gmdrm	hypo	CG	-0.58
Gm02	1913587	1913626	Gmdrm	hypo	CG	-0.06
Gm02	1929856	1930078	Gmdrm	hypo	CG	-0.0462
Gm02	1932332	1932494	Gmdrm	hypo	CG	-0.9434
Gm02	1934150	1934222	Gmdrm	hypo	CG	-0.8933
Gm02	1937125	1937214	Gmdrm	hypo	CG	-0.1328
Gm02	1967536	1967614	Gmdrm	hypo	CG	-0.5783
Gm02	1972688	1972879	Gmdrm	hypo	CG	-0.6081
Gm02	1979698	1979781	Gmdrm	hypo	CG	-0.727
Gm02	1982391	1982493	Gmdrm	hypo	CG	-0.8867
Gm02	1986527	1986818	Gmdrm	hypo	CG	-0.7443
Gm02	1988046	1988083	Gmdrm	hypo	CG	-0.555
Gm02	1991769	1991996	Gmdrm	hypo	CG	-0.9088
Gm02	1992410	1992595	Gmdrm	hypo	CG	-0.6624
Gm02	2029263	2029331	Gmdrm	hypo	CG	-0.635
Gm02	2034222	2034293	Gmdrm	hypo	CG	-0.1483
Gm02	2040658	2040877	Gmdrm	hypo	CG	-0.0611
Gm02	2042864	2042978	Gmdrm	hypo	CG	-0.07
Gm02	2069361	2069511	Gmdrm	hypo	CG	-0.1863
Gm02	2075615	2075738	Gmdrm	hypo	CG	-0.3238
Gm02	2102542	2102803	Gmdrm	hypo	CG	-0.04
Gm02	2107396	2107634	Gmdrm	hypo	CG	-0.0367
Gm02	2108019	2108127	Gmdrm	hypo	CG	-0.8112
Gm02	2108762	2108862	Gmdrm	hypo	CG	-0.4767
Gm02	2110912	2111247	Gmdrm	hypo	CG	-0.5869
Gm02	2112223	2112285	Gmdrm	hypo	CG	-0.9333
Gm02	2112395	2112519	Gmdrm	hypo	CG	-0.9217
Gm02	2130471	2130700	Gmdrm	hypo	CG	-0.027
Gm02	2136714	2136804	Gmdrm	hypo	CG	-0.9575

Gm02	2140146	2140255 Gmdrm	hypo	CG	-0.0366
Gm02	2142944	2143455 Gmdrm	hypo	CG	-0.5059
Gm02	2150845	2150915 Gmdrm	hypo	CG	-0.547
Gm02	2187586	2187715 Gmdrm	hypo	CG	-0.9062
Gm02	2189450	2189544 Gmdrm	hypo	CG	-0.59
Gm02	2190568	2190681 Gmdrm	hypo	CG	-0.9438
Gm02	2192250	2192370 Gmdrm	hypo	CG	-0.06
Gm02	2199734	2199789 Gmdrm	hypo	CG	-0.765
Gm02	2207466	2207524 Gmdrm	hypo	CG	-0.9888
Gm02	2207637	2207739 Gmdrm	hypo	CG	-0.7575
Gm02	2209073	2209167 Gmdrm	hypo	CG	-0.7163
Gm02	2209413	2209523 Gmdrm	hypo	CG	-0.4962
Gm02	2210059	2210163 Gmdrm	hypo	CG	-0.711
Gm02	2229343	2229681 Gmdrm	hypo	CG	-0.5066
Gm02	2237868	2237917 Gmdrm	hypo	CG	-0.5217
Gm02	2238081	2238435 Gmdrm	hypo	CG	-0.663
Gm02	2251113	2251229 Gmdrm	hypo	CG	-0.1962
Gm02	2270900	2271049 Gmdrm	hypo	CG	-0.7913
Gm02	2272877	2272936 Gmdrm	hypo	CG	-0.0333
Gm02	2287777	2287859 Gmdrm	hypo	CG	-0.8617
Gm02	2293064	2293153 Gmdrm	hypo	CG	-0.7917
Gm02	2319653	2319834 Gmdrm	hypo	CG	-0.8114
Gm02	2320046	2320122 Gmdrm	hypo	CG	-0.7066
Gm02	2320269	2320363 Gmdrm	hypo	CG	-0.7449
Gm02	2365709	2365873 Gmdrm	hypo	CG	-0.5137
Gm02	2370157	2370473 Gmdrm	hypo	CG	-0.5357
Gm02	2422961	2423101 Gmdrm	hypo	CG	-0.8267
Gm02	2433590	2433702 Gmdrm	hypo	CG	-0.9274
Gm02	2462894	2463018 Gmdrm	hypo	CG	-0.5562
Gm02	2483729	2483864 Gmdrm	hypo	CG	-0.9358
Gm02	2484038	2484123 Gmdrm	hypo	CG	-0.5662
Gm02	2484246	2484309 Gmdrm	hypo	CG	-0.9536
Gm02	2536535	2536685 Gmdrm	hypo	CG	-0.3388
Gm02	2544119	2544533 Gmdrm	hypo	CG	-0.49
Gm02	2551251	2551327 Gmdrm	hypo	CG	-0.2633
Gm02	2557825	2557966 Gmdrm	hypo	CG	-0.965
Gm02	2558318	2558362 Gmdrm	hypo	CG	-0.73
Gm02	2563655	2564020 Gmdrm	hypo	CG	-0.0291
Gm02	2565523	2565692 Gmdrm	hypo	CG	-0.6016
Gm02	2566255	2566475 Gmdrm	hypo	CG	-0.815
Gm02	2572145	2572476 Gmdrm	hypo	CG	-0.4664
Gm02	2573129	2573595 Gmdrm	hypo	CG	-0.6116
Gm02	2578348	2578516 Gmdrm	hypo	CG	-0.665
Gm02	2578699	2578887 Gmdrm	hypo	CG	-0.7833
Gm02	2591792	2592008 Gmdrm	hypo	CG	-0.4259
Gm02	2606491	2606712 Gmdrm	hypo	CG	-0.8236

Gm02	2616725	2616780	Gmdrm	hypo	CG	-0.3913
Gm02	2618103	2618331	Gmdrm	hypo	CG	-0.546
Gm02	2646540	2646708	Gmdrm	hypo	CG	-0.5212
Gm02	2666695	2666920	Gmdrm	hypo	CG	-0.61
Gm02	2685462	2685705	Gmdrm	hypo	CG	-0.7253
Gm02	2707813	2708222	Gmdrm	hypo	CG	-0.7424
Gm02	2708711	2709024	Gmdrm	hypo	CG	-0.591
Gm02	2738195	2738318	Gmdrm	hypo	CG	-0.1825
Gm02	2738639	2738767	Gmdrm	hypo	CG	-0.288
Gm02	2765803	2765813	Gmdrm	hypo	CG	-0.9483
Gm02	2770584	2770619	Gmdrm	hypo	CG	-0.905
Gm02	2790314	2790373	Gmdrm	hypo	CG	-0.315
Gm02	2801338	2801436	Gmdrm	hypo	CG	-0.9667
Gm02	2856347	2856385	Gmdrm	hypo	CG	-0.0817
Gm02	2856550	2856837	Gmdrm	hypo	CG	-0.354
Gm02	2859767	2859844	Gmdrm	hypo	CG	-0.9833
Gm02	2873956	2874044	Gmdrm	hypo	CG	-0.88
Gm02	2912431	2913108	Gmdrm	hypo	CG	-0.0434
Gm02	2934633	2934875	Gmdrm	hypo	CG	-0.3674
Gm02	2935116	2935245	Gmdrm	hypo	CG	-0.1766
Gm02	2936193	2936246	Gmdrm	hypo	CG	-0.3516
Gm02	2942629	2942785	Gmdrm	hypo	CG	-0.689
Gm02	2971313	2971353	Gmdrm	hypo	CG	-0.9366
Gm02	2972932	2973109	Gmdrm	hypo	CG	-0.8675
Gm02	2973534	2973593	Gmdrm	hypo	CG	-0.71
Gm02	2994032	2994229	Gmdrm	hypo	CG	-0.3822
Gm02	3007640	3007703	Gmdrm	hypo	CG	-0.6286
Gm02	3077520	3077674	Gmdrm	hypo	CG	-0.9744
Gm02	3088853	3088909	Gmdrm	hypo	CG	-0.9701
Gm02	3128204	3128616	Gmdrm	hypo	CG	-0.745
Gm02	3129000	3129064	Gmdrm	hypo	CG	-0.8283
Gm02	3129195	3129252	Gmdrm	hypo	CG	-0.9563
Gm02	3131387	3131447	Gmdrm	hypo	CG	-0.9613
Gm02	3134911	3135340	Gmdrm	hypo	CG	-0.2277
Gm02	3172376	3172643	Gmdrm	hypo	CG	-0.695
Gm02	3217618	3217755	Gmdrm	hypo	CG	-0.928
Gm02	3277789	3277934	Gmdrm	hypo	CG	-0.7987
Gm02	3287718	3287848	Gmdrm	hypo	CG	-0.764
Gm02	3298144	3298220	Gmdrm	hypo	CG	-0.954
Gm02	3317324	3317749	Gmdrm	hypo	CG	-0.048
Gm02	3320384	3320533	Gmdrm	hypo	CG	-0.527
Gm02	3332351	3332452	Gmdrm	hypo	CG	-0.036
Gm02	3343421	3343578	Gmdrm	hypo	CG	-0.942
Gm02	3354314	3354336	Gmdrm	hypo	CG	-0.026
Gm02	3377543	3377808	Gmdrm	hypo	CG	-0.4262
Gm02	3394259	3394494	Gmdrm	hypo	CG	-0.5843

Gm02	3396441	3396692	Gmdrm	hypo	CG	-0.8025
Gm02	3396844	3396920	Gmdrm	hypo	CG	-0.9125
Gm02	3407452	3407763	Gmdrm	hypo	CG	-0.3361
Gm02	3422352	3422461	Gmdrm	hypo	CG	-0.94
Gm02	3429605	3429769	Gmdrm	hypo	CG	-0.705
Gm02	3462113	3462304	Gmdrm	hypo	CG	-0.9613
Gm02	3467135	3467211	Gmdrm	hypo	CG	-0.59
Gm02	3472240	3472338	Gmdrm	hypo	CG	-0.4537
Gm02	3472463	3472588	Gmdrm	hypo	CG	-0.435
Gm02	3474202	3474313	Gmdrm	hypo	CG	-0.0542
Gm02	3474668	3474897	Gmdrm	hypo	CG	-0.55
Gm02	3491486	3491512	Gmdrm	hypo	CG	-0.7467
Gm02	3526074	3526398	Gmdrm	hypo	CG	-0.2421
Gm02	3548761	3549063	Gmdrm	hypo	CG	-0.588
Gm02	3550055	3550217	Gmdrm	hypo	CG	-0.8265
Gm02	3586250	3586459	Gmdrm	hypo	CG	-0.0528
Gm02	3611617	3611922	Gmdrm	hypo	CG	-0.4171
Gm02	3624626	3624742	Gmdrm	hypo	CG	-0.5364
Gm02	3629224	3629313	Gmdrm	hypo	CG	-0.03
Gm02	3637526	3637611	Gmdrm	hypo	CG	-0.5337
Gm02	3639466	3639655	Gmdrm	hypo	CG	-0.5588
Gm02	3655578	3655638	Gmdrm	hypo	CG	-0.965
Gm02	3658722	3659000	Gmdrm	hypo	CG	-0.0366
Gm02	3662074	3662270	Gmdrm	hypo	CG	-0.6366
Gm02	3687288	3687423	Gmdrm	hypo	CG	-0.59
Gm02	3699546	3699703	Gmdrm	hypo	CG	-0.336
Gm02	3699818	3700302	Gmdrm	hypo	CG	-0.2696
Gm02	3702091	3702229	Gmdrm	hypo	CG	-0.45
Gm02	3703765	3703955	Gmdrm	hypo	CG	-0.044
Gm02	3709804	3710018	Gmdrm	hypo	CG	-0.804
Gm02	3748739	3748864	Gmdrm	hypo	CG	-0.034
Gm02	3798959	3799255	Gmdrm	hypo	CG	-0.0738
Gm02	3805500	3805602	Gmdrm	hypo	CG	-0.0988
Gm02	3808489	3808588	Gmdrm	hypo	CG	-0.795
Gm02	3808860	3808982	Gmdrm	hypo	CG	-0.876
Gm02	3810650	3810728	Gmdrm	hypo	CG	-0.415
Gm02	3820798	3821095	Gmdrm	hypo	CG	-0.9306
Gm02	3824683	3824895	Gmdrm	hypo	CG	-0.948
Gm02	3827560	3827636	Gmdrm	hypo	CG	-0.8775
Gm02	3828163	3828562	Gmdrm	hypo	CG	-0.5055
Gm02	3829457	3829703	Gmdrm	hypo	CG	-0.733
Gm02	3891508	3891806	Gmdrm	hypo	CG	-0.6154
Gm02	3892026	3892106	Gmdrm	hypo	CG	-0.4366
Gm02	3899485	3899698	Gmdrm	hypo	CG	-0.8923
Gm02	3908598	3908703	Gmdrm	hypo	CG	-0.2987
Gm02	3917591	3917807	Gmdrm	hypo	CG	-0.1912

Gm02	3937760	3937959	Gmdrm	hypo	CG	-0.1133
Gm02	3941705	3941797	Gmdrm	hypo	CG	-0.9333
Gm02	3969015	3969074	Gmdrm	hypo	CG	-0.735
Gm02	3975132	3975390	Gmdrm	hypo	CG	-0.3727
Gm02	3975528	3975747	Gmdrm	hypo	CG	-0.5733
Gm02	4016987	4017053	Gmdrm	hypo	CG	-0.7316
Gm02	4017183	4017367	Gmdrm	hypo	CG	-0.7107
Gm02	4049626	4049853	Gmdrm	hypo	CG	-0.8329
Gm02	4050134	4050637	Gmdrm	hypo	CG	-0.4925
Gm02	4053648	4053893	Gmdrm	hypo	CG	-0.8581
Gm02	4059278	4059507	Gmdrm	hypo	CG	-0.058
Gm02	4063513	4063613	Gmdrm	hypo	CG	-0.7058
Gm02	4136148	4136268	Gmdrm	hypo	CG	-0.706
Gm02	4168010	4168195	Gmdrm	hypo	CG	-0.3925
Gm02	4187705	4187842	Gmdrm	hypo	CG	-0.7712
Gm02	4188272	4188723	Gmdrm	hypo	CG	-0.4595
Gm02	4188826	4188961	Gmdrm	hypo	CG	-0.565
Gm02	4190602	4190905	Gmdrm	hypo	CG	-0.8155
Gm02	4195151	4195194	Gmdrm	hypo	CG	-0.3943
Gm02	4199675	4199764	Gmdrm	hypo	CG	-0.715
Gm02	4205817	4206029	Gmdrm	hypo	CG	-0.5917
Gm02	4220217	4220368	Gmdrm	hypo	CG	-0.8587
Gm02	4228750	4228881	Gmdrm	hypo	CG	-0.0343
Gm02	4237363	4237387	Gmdrm	hypo	CG	-0.4484
Gm02	4241584	4241767	Gmdrm	hypo	CG	-0.77
Gm02	4241921	4242305	Gmdrm	hypo	CG	-0.599
Gm02	4270015	4270234	Gmdrm	hypo	CG	-0.166
Gm02	4303074	4303192	Gmdrm	hypo	CG	-0.53
Gm02	4306912	4306995	Gmdrm	hypo	CG	-0.6766
Gm02	4309642	4309757	Gmdrm	hypo	CG	-0.084
Gm02	4324685	4324843	Gmdrm	hypo	CG	-0.8525
Gm02	4332701	4332788	Gmdrm	hypo	CG	-0.9533
Gm02	4332918	4333235	Gmdrm	hypo	CG	-0.4136
Gm02	4335002	4335059	Gmdrm	hypo	CG	-0.8783
Gm02	4335172	4335255	Gmdrm	hypo	CG	-0.915
Gm02	4347018	4347138	Gmdrm	hypo	CG	-0.905
Gm02	4347391	4347514	Gmdrm	hypo	CG	-0.7013
Gm02	4352615	4352964	Gmdrm	hypo	CG	-0.5205
Gm02	4357006	4357453	Gmdrm	hypo	CG	-0.4906
Gm02	4364304	4364818	Gmdrm	hypo	CG	-0.7068
Gm02	4371101	4371247	Gmdrm	hypo	CG	-0.0411
Gm02	4374926	4375085	Gmdrm	hypo	CG	-0.6023
Gm02	4375294	4375379	Gmdrm	hypo	CG	-0.84
Gm02	4389799	4390012	Gmdrm	hypo	CG	-0.7433
Gm02	4390431	4390499	Gmdrm	hypo	CG	-0.4067
Gm02	4390620	4390680	Gmdrm	hypo	CG	-0.8699

Gm02	4405961	4406066 Gmdrm	hypo	CG	-0.6913
Gm02	4415825	4416066 Gmdrm	hypo	CG	-0.1279
Gm02	4420487	4420762 Gmdrm	hypo	CG	-0.5571
Gm02	4426967	4427230 Gmdrm	hypo	CG	-0.105
Gm02	4427860	4428175 Gmdrm	hypo	CG	-0.3993
Gm02	4473357	4473453 Gmdrm	hypo	CG	-0.04
Gm02	4516366	4516595 Gmdrm	hypo	CG	-0.4223
Gm02	4518595	4518619 Gmdrm	hypo	CG	-0.4067
Gm02	4525833	4525868 Gmdrm	hypo	CG	-0.68
Gm02	4526511	4526545 Gmdrm	hypo	CG	-0.2017
Gm02	4530242	4530423 Gmdrm	hypo	CG	-0.2324
Gm02	4546635	4546962 Gmdrm	hypo	CG	-0.0625
Gm02	4556557	4556748 Gmdrm	hypo	CG	-0.7414
Gm02	4561576	4561669 Gmdrm	hypo	CG	-0.044
Gm02	4566669	4566801 Gmdrm	hypo	CG	-0.045
Gm02	4629217	4629317 Gmdrm	hypo	CG	-0.3083
Gm02	4629465	4629549 Gmdrm	hypo	CG	-0.9184
Gm02	4630239	4630330 Gmdrm	hypo	CG	-0.32
Gm02	4650315	4650651 Gmdrm	hypo	CG	-0.42
Gm02	4654684	4654715 Gmdrm	hypo	CG	-0.5367
Gm02	4729399	4729417 Gmdrm	hypo	CG	-0.965
Gm02	4732219	4732340 Gmdrm	hypo	CG	-0.5967
Gm02	4747894	4748020 Gmdrm	hypo	CG	-0.036
Gm02	4768095	4768150 Gmdrm	hypo	CG	-0.5125
Gm02	4768264	4768465 Gmdrm	hypo	CG	-0.7401
Gm02	4773146	4773188 Gmdrm	hypo	CG	-0.6017
Gm02	4799308	4799403 Gmdrm	hypo	CG	-0.5375
Gm02	4843366	4843799 Gmdrm	hypo	CG	-0.1256
Gm02	4887379	4887605 Gmdrm	hypo	CG	-0.9493
Gm02	4891873	4892387 Gmdrm	hypo	CG	-0.8625
Gm02	4894279	4894404 Gmdrm	hypo	CG	-0.4957
Gm02	4896784	4897004 Gmdrm	hypo	CG	-0.47
Gm02	4897476	4897494 Gmdrm	hypo	CG	-0.7367
Gm02	4898040	4898061 Gmdrm	hypo	CG	-0.3567
Gm02	4898167	4898295 Gmdrm	hypo	CG	-0.5767
Gm02	4918506	4918819 Gmdrm	hypo	CG	-0.7545
Gm02	4918943	4919002 Gmdrm	hypo	CG	-0.8817
Gm02	4927678	4928244 Gmdrm	hypo	CG	-0.872
Gm02	4942120	4942227 Gmdrm	hypo	CG	-0.6383
Gm02	4944248	4944566 Gmdrm	hypo	CG	-0.61
Gm02	4965928	4966011 Gmdrm	hypo	CG	-0.038
Gm02	4985021	4985201 Gmdrm	hypo	CG	-0.755
Gm02	4994505	4994567 Gmdrm	hypo	CG	-0.3774
Gm02	5027619	5027682 Gmdrm	hypo	CG	-0.6783
Gm02	5056799	5057185 Gmdrm	hypo	CG	-0.5847
Gm02	5059472	5059617 Gmdrm	hypo	CG	-0.34

Gm02	5097876	5098072	Gmdrm	hypo	CG	-0.2588
Gm02	5131788	5131869	Gmdrm	hypo	CG	-0.045
Gm02	5143802	5143903	Gmdrm	hypo	CG	-0.915
Gm02	5144416	5144599	Gmdrm	hypo	CG	-0.6043
Gm02	5145027	5145297	Gmdrm	hypo	CG	-0.6783
Gm02	5160407	5160723	Gmdrm	hypo	CG	-0.5876
Gm02	5167681	5167858	Gmdrm	hypo	CG	-0.6227
Gm02	5168077	5168222	Gmdrm	hypo	CG	-0.2525
Gm02	5174116	5174138	Gmdrm	hypo	CG	-0.6667
Gm02	5174323	5174412	Gmdrm	hypo	CG	-0.52
Gm02	5178853	5179646	Gmdrm	hypo	CG	-0.2959
Gm02	5191584	5191818	Gmdrm	hypo	CG	-0.2358
Gm02	5197474	5197743	Gmdrm	hypo	CG	-0.8935
Gm02	5201834	5201857	Gmdrm	hypo	CG	-0.31
Gm02	5203436	5203551	Gmdrm	hypo	CG	-0.5863
Gm02	5204759	5204916	Gmdrm	hypo	CG	-0.7225
Gm02	5210170	5210430	Gmdrm	hypo	CG	-0.1642
Gm02	5210899	5210988	Gmdrm	hypo	CG	-0.375
Gm02	5215708	5215900	Gmdrm	hypo	CG	-0.052
Gm02	5222144	5222259	Gmdrm	hypo	CG	-0.871
Gm02	5225537	5225607	Gmdrm	hypo	CG	-0.764
Gm02	5235371	5235507	Gmdrm	hypo	CG	-0.03
Gm02	5261979	5262015	Gmdrm	hypo	CG	-0.8617
Gm02	5286568	5286639	Gmdrm	hypo	CG	-0.42
Gm02	5299635	5299753	Gmdrm	hypo	CG	-0.615
Gm02	5348580	5348777	Gmdrm	hypo	CG	-0.0985
Gm02	5363496	5363870	Gmdrm	hypo	CG	-0.4128
Gm02	5372421	5372584	Gmdrm	hypo	CG	-0.0542
Gm02	5373006	5373412	Gmdrm	hypo	CG	-0.445
Gm02	5380563	5380830	Gmdrm	hypo	CG	-0.4192
Gm02	5381069	5381131	Gmdrm	hypo	CG	-0.131
Gm02	5381929	5382110	Gmdrm	hypo	CG	-0.0825
Gm02	5382512	5382773	Gmdrm	hypo	CG	-0.4182
Gm02	5415518	5415762	Gmdrm	hypo	CG	-0.3669
Gm02	5418071	5418291	Gmdrm	hypo	CG	-0.8362
Gm02	5418406	5418611	Gmdrm	hypo	CG	-0.8478
Gm02	5425612	5425805	Gmdrm	hypo	CG	-0.625
Gm02	5426654	5426862	Gmdrm	hypo	CG	-0.1042
Gm02	5443899	5444025	Gmdrm	hypo	CG	-0.8483
Gm02	5444272	5444406	Gmdrm	hypo	CG	-0.908
Gm02	5465188	5465322	Gmdrm	hypo	CG	-0.1439
Gm02	5476177	5476261	Gmdrm	hypo	CG	-0.5375
Gm02	5490939	5491135	Gmdrm	hypo	CG	-0.5846
Gm02	5506675	5506710	Gmdrm	hypo	CG	-0.275
Gm02	5507297	5507535	Gmdrm	hypo	CG	-0.4531
Gm02	5512471	5512710	Gmdrm	hypo	CG	-0.0317

Gm02	5513710	5513984	Gmdrm	hypo	CG	-0.4862
Gm02	5530617	5530711	Gmdrm	hypo	CG	-0.0282
Gm02	5530815	5530952	Gmdrm	hypo	CG	-0.0437
Gm02	5551730	5551742	Gmdrm	hypo	CG	-0.99
Gm02	5559858	5560036	Gmdrm	hypo	CG	-0.036
Gm02	5590868	5590936	Gmdrm	hypo	CG	-0.375
Gm02	5591179	5591377	Gmdrm	hypo	CG	-0.2774
Gm02	5606137	5606193	Gmdrm	hypo	CG	-0.9267
Gm02	5606382	5606854	Gmdrm	hypo	CG	-0.4287
Gm02	5623947	5623995	Gmdrm	hypo	CG	-0.73
Gm02	5630201	5630420	Gmdrm	hypo	CG	-0.762
Gm02	5630878	5631206	Gmdrm	hypo	CG	-0.8811
Gm02	5654320	5654848	Gmdrm	hypo	CG	-0.685
Gm02	5654971	5655077	Gmdrm	hypo	CG	-0.875
Gm02	5657023	5657585	Gmdrm	hypo	CG	-0.1585
Gm02	5677233	5677656	Gmdrm	hypo	CG	-0.0356
Gm02	5678130	5678903	Gmdrm	hypo	CG	-0.0929
Gm02	5686967	5687072	Gmdrm	hypo	CG	-0.975
Gm02	5692814	5692905	Gmdrm	hypo	CG	-0.7933
Gm02	5693180	5693292	Gmdrm	hypo	CG	-0.6733
Gm02	5722401	5722473	Gmdrm	hypo	CG	-0.15
Gm02	5722633	5722889	Gmdrm	hypo	CG	-0.8007
Gm02	5728110	5728273	Gmdrm	hypo	CG	-0.7991
Gm02	5728486	5728558	Gmdrm	hypo	CG	-0.8883
Gm02	5730082	5730286	Gmdrm	hypo	CG	-0.93
Gm02	5757813	5757886	Gmdrm	hypo	CG	-0.6416
Gm02	5797543	5797592	Gmdrm	hypo	CG	-0.7367
Gm02	5824012	5824206	Gmdrm	hypo	CG	-0.0746
Gm02	5831813	5831901	Gmdrm	hypo	CG	-0.8
Gm02	5835437	5835545	Gmdrm	hypo	CG	-0.96
Gm02	5837182	5837325	Gmdrm	hypo	CG	-0.9476
Gm02	5858385	5858908	Gmdrm	hypo	CG	-0.6004
Gm02	5899905	5900010	Gmdrm	hypo	CG	-0.3325
Gm02	5907733	5907949	Gmdrm	hypo	CG	-0.3937
Gm02	5912923	5912938	Gmdrm	hypo	CG	-0.8217
Gm02	5918901	5919032	Gmdrm	hypo	CG	-0.0514
Gm02	5923429	5923570	Gmdrm	hypo	CG	-0.59
Gm02	5923933	5924040	Gmdrm	hypo	CG	-0.9563
Gm02	5944155	5944307	Gmdrm	hypo	CG	-0.045
Gm02	5963329	5963442	Gmdrm	hypo	CG	-0.2025
Gm02	5980015	5980181	Gmdrm	hypo	CG	-0.046
Gm02	5984762	5984890	Gmdrm	hypo	CG	-0.965
Gm02	5991500	5991677	Gmdrm	hypo	CG	-0.5058
Gm02	6007842	6008015	Gmdrm	hypo	CG	-0.27
Gm02	6008309	6008344	Gmdrm	hypo	CG	-0.665
Gm02	6041684	6041837	Gmdrm	hypo	CG	-0.0374

Gm02	6044222	6044306 Gmdrm	hypo	CG	-0.92
Gm02	6052619	6052787 Gmdrm	hypo	CG	-0.2175
Gm02	6066174	6066395 Gmdrm	hypo	CG	-0.0767
Gm02	6087281	6087407 Gmdrm	hypo	CG	-0.2737
Gm02	6093600	6093688 Gmdrm	hypo	CG	-0.6
Gm02	6093801	6093966 Gmdrm	hypo	CG	-0.9382
Gm02	6095644	6095932 Gmdrm	hypo	CG	-0.463
Gm02	6096415	6096604 Gmdrm	hypo	CG	-0.5431
Gm02	6116674	6116698 Gmdrm	hypo	CG	-0.115
Gm02	6120689	6120803 Gmdrm	hypo	CG	-0.8184
Gm02	6121180	6121228 Gmdrm	hypo	CG	-0.49
Gm02	6147331	6147527 Gmdrm	hypo	CG	-0.034
Gm02	6187737	6187932 Gmdrm	hypo	CG	-0.556
Gm02	6193311	6193377 Gmdrm	hypo	CG	-0.6317
Gm02	6212368	6212535 Gmdrm	hypo	CG	-0.3267
Gm02	6227756	6228146 Gmdrm	hypo	CG	-0.2666
Gm02	6260600	6260852 Gmdrm	hypo	CG	-0.265
Gm02	6273671	6273678 Gmdrm	hypo	CG	-0.73
Gm02	6332348	6332692 Gmdrm	hypo	CG	-0.39
Gm02	6336518	6336552 Gmdrm	hypo	CG	-0.6134
Gm02	6356996	6357202 Gmdrm	hypo	CG	-0.719
Gm02	6361844	6362121 Gmdrm	hypo	CG	-0.6142
Gm02	6362432	6362635 Gmdrm	hypo	CG	-0.5041
Gm02	6371808	6371916 Gmdrm	hypo	CG	-0.05
Gm02	6373188	6373350 Gmdrm	hypo	CG	-0.186
Gm02	6373465	6373716 Gmdrm	hypo	CG	-0.1543
Gm02	6402806	6403091 Gmdrm	hypo	CG	-0.4807
Gm02	6403389	6403499 Gmdrm	hypo	CG	-0.5233
Gm02	6403691	6403970 Gmdrm	hypo	CG	-0.2184
Gm02	6404242	6404340 Gmdrm	hypo	CG	-0.5717
Gm02	6410428	6410596 Gmdrm	hypo	CG	-0.62
Gm02	6410740	6410813 Gmdrm	hypo	CG	-0.944
Gm02	6411074	6411131 Gmdrm	hypo	CG	-0.756
Gm02	6461714	6462274 Gmdrm	hypo	CG	-0.1565
Gm02	6463400	6464153 Gmdrm	hypo	CG	-0.4225
Gm02	6465713	6465912 Gmdrm	hypo	CG	-0.192
Gm02	6475022	6475197 Gmdrm	hypo	CG	-0.8238
Gm02	6482958	6483113 Gmdrm	hypo	CG	-0.5825
Gm02	6503192	6503328 Gmdrm	hypo	CG	-0.6067
Gm02	6515957	6516133 Gmdrm	hypo	CG	-0.842
Gm02	6543700	6543944 Gmdrm	hypo	CG	-0.034
Gm02	6549565	6549696 Gmdrm	hypo	CG	-0.956
Gm02	6591239	6591330 Gmdrm	hypo	CG	-0.921
Gm02	6646244	6646327 Gmdrm	hypo	CG	-0.0415
Gm02	6648768	6648940 Gmdrm	hypo	CG	-0.382
Gm02	6672930	6672962 Gmdrm	hypo	CG	-0.284

Gm02	6687252	6687309	Gmdrm	hypo	CG	-0.9583
Gm02	6689950	6690004	Gmdrm	hypo	CG	-0.555
Gm02	6694066	6694254	Gmdrm	hypo	CG	-0.46
Gm02	6694378	6694537	Gmdrm	hypo	CG	-0.2167
Gm02	6721257	6721324	Gmdrm	hypo	CG	-0.6567
Gm02	6725713	6725810	Gmdrm	hypo	CG	-0.625
Gm02	6730825	6730992	Gmdrm	hypo	CG	-0.5664
Gm02	6738573	6738733	Gmdrm	hypo	CG	-0.2173
Gm02	6803527	6803631	Gmdrm	hypo	CG	-0.0833
Gm02	6849572	6849632	Gmdrm	hypo	CG	-0.685
Gm02	6864720	6864800	Gmdrm	hypo	CG	-0.1364
Gm02	6865248	6865319	Gmdrm	hypo	CG	-0.702
Gm02	6892429	6892621	Gmdrm	hypo	CG	-0.64
Gm02	6894572	6894663	Gmdrm	hypo	CG	-0.9483
Gm02	6934757	6934868	Gmdrm	hypo	CG	-0.6408
Gm02	6956253	6956356	Gmdrm	hypo	CG	-0.9543
Gm02	6981625	6981927	Gmdrm	hypo	CG	-0.3346
Gm02	6982327	6982388	Gmdrm	hypo	CG	-0.9433
Gm02	7053758	7053869	Gmdrm	hypo	CG	-0.028
Gm02	7070045	7070741	Gmdrm	hypo	CG	-0.1149
Gm02	7085436	7085468	Gmdrm	hypo	CG	-0.3216
Gm02	7087565	7087810	Gmdrm	hypo	CG	-0.3184
Gm02	7110341	7110534	Gmdrm	hypo	CG	-0.3689
Gm02	7139776	7140211	Gmdrm	hypo	CG	-0.6164
Gm02	7166213	7166610	Gmdrm	hypo	CG	-0.4145
Gm02	7166718	7166995	Gmdrm	hypo	CG	-0.4881
Gm02	7171711	7171967	Gmdrm	hypo	CG	-0.2843
Gm02	7179256	7179626	Gmdrm	hypo	CG	-0.5855
Gm02	7182299	7182422	Gmdrm	hypo	CG	-0.8664
Gm02	7203942	7204051	Gmdrm	hypo	CG	-0.7525
Gm02	7212081	7212193	Gmdrm	hypo	CG	-0.8138
Gm02	7259296	7259351	Gmdrm	hypo	CG	-0.865
Gm02	7260009	7260218	Gmdrm	hypo	CG	-0.852
Gm02	7264609	7264691	Gmdrm	hypo	CG	-0.783
Gm02	7265883	7266132	Gmdrm	hypo	CG	-0.0906
Gm02	7266279	7266452	Gmdrm	hypo	CG	-0.1311
Gm02	7275376	7275426	Gmdrm	hypo	CG	-0.86
Gm02	7275576	7275739	Gmdrm	hypo	CG	-0.776
Gm02	7275995	7276334	Gmdrm	hypo	CG	-0.7363
Gm02	7297065	7297305	Gmdrm	hypo	CG	-0.5158
Gm02	7297478	7297657	Gmdrm	hypo	CG	-0.711
Gm02	7317475	7317623	Gmdrm	hypo	CG	-0.0567
Gm02	7317734	7317900	Gmdrm	hypo	CG	-0.106
Gm02	7321293	7321548	Gmdrm	hypo	CG	-0.135
Gm02	7321738	7321832	Gmdrm	hypo	CG	-0.7267
Gm02	7322097	7322582	Gmdrm	hypo	CG	-0.1174

Gm02	7323006	7323075 Gmdrm	hypo	CG	-0.8633
Gm02	7323477	7323603 Gmdrm	hypo	CG	-0.7817
Gm02	7334811	7334932 Gmdrm	hypo	CG	-0.0813
Gm02	7339678	7339742 Gmdrm	hypo	CG	-0.1567
Gm02	7355955	7356751 Gmdrm	hypo	CG	-0.0452
Gm02	7382037	7382088 Gmdrm	hypo	CG	-0.8133
Gm02	7424986	7425100 Gmdrm	hypo	CG	-0.5457
Gm02	7477725	7477764 Gmdrm	hypo	CG	-0.8584
Gm02	7481760	7481880 Gmdrm	hypo	CG	-0.0417
Gm02	7501386	7501474 Gmdrm	hypo	CG	-0.86
Gm02	7501626	7501827 Gmdrm	hypo	CG	-0.7512
Gm02	7502593	7502824 Gmdrm	hypo	CG	-0.5849
Gm02	7530058	7530083 Gmdrm	hypo	CG	-0.365
Gm02	7538878	7539030 Gmdrm	hypo	CG	-0.104
Gm02	7542322	7542365 Gmdrm	hypo	CG	-0.5067
Gm02	7581693	7581848 Gmdrm	hypo	CG	-0.6966
Gm02	7582227	7582411 Gmdrm	hypo	CG	-0.7267
Gm02	7585319	7585629 Gmdrm	hypo	CG	-0.0461
Gm02	7637056	7637129 Gmdrm	hypo	CG	-0.365
Gm02	7638247	7638406 Gmdrm	hypo	CG	-0.2
Gm02	7644097	7644183 Gmdrm	hypo	CG	-0.0567
Gm02	7647308	7647720 Gmdrm	hypo	CG	-0.6097
Gm02	7648018	7648223 Gmdrm	hypo	CG	-0.7591
Gm02	7699217	7699291 Gmdrm	hypo	CG	-0.1433
Gm02	7716532	7716590 Gmdrm	hypo	CG	-0.1187
Gm02	7749600	7749810 Gmdrm	hypo	CG	-0.3729
Gm02	7766963	7767063 Gmdrm	hypo	CG	-0.32
Gm02	7767168	7767398 Gmdrm	hypo	CG	-0.1471
Gm02	7787245	7787299 Gmdrm	hypo	CG	-0.9367
Gm02	7787400	7787847 Gmdrm	hypo	CG	-0.268
Gm02	7787974	7788121 Gmdrm	hypo	CG	-0.59
Gm02	7831385	7831425 Gmdrm	hypo	CG	-0.53
Gm02	7831529	7831601 Gmdrm	hypo	CG	-1
Gm02	7841085	7841585 Gmdrm	hypo	CG	-0.04
Gm02	7888418	7888604 Gmdrm	hypo	CG	-0.2716
Gm02	7889016	7889113 Gmdrm	hypo	CG	-0.1125
Gm02	7891469	7891927 Gmdrm	hypo	CG	-0.236
Gm02	7905112	7905271 Gmdrm	hypo	CG	-0.0744
Gm02	7954405	7954606 Gmdrm	hypo	CG	-0.4717
Gm02	7954725	7955001 Gmdrm	hypo	CG	-0.2915
Gm02	7960780	7961188 Gmdrm	hypo	CG	-0.2325
Gm02	7968413	7968618 Gmdrm	hypo	CG	-0.7265
Gm02	7977069	7977230 Gmdrm	hypo	CG	-0.8667
Gm02	8002931	8003221 Gmdrm	hypo	CG	-0.3491
Gm02	8042751	8043311 Gmdrm	hypo	CG	-0.4423
Gm02	8052028	8052721 Gmdrm	hypo	CG	-0.0275

Gm02	8073131	8073171 Gmdrm	hypo	CG	-0.9917
Gm02	8076408	8076790 Gmdrm	hypo	CG	-0.1208
Gm02	8088480	8088741 Gmdrm	hypo	CG	-0.0779
Gm02	8152910	8152995 Gmdrm	hypo	CG	-0.0408
Gm02	8213103	8213242 Gmdrm	hypo	CG	-0.6667
Gm02	8225700	8225835 Gmdrm	hypo	CG	-0.7483
Gm02	8227901	8228206 Gmdrm	hypo	CG	-0.7915
Gm02	8230849	8231285 Gmdrm	hypo	CG	-0.1768
Gm02	8234910	8235897 Gmdrm	hypo	CG	-0.0256
Gm02	8251056	8251354 Gmdrm	hypo	CG	-0.0722
Gm02	8262026	8262165 Gmdrm	hypo	CG	-0.7664
Gm02	8289558	8289579 Gmdrm	hypo	CG	-0.4367
Gm02	8308627	8308684 Gmdrm	hypo	CG	-0.56
Gm02	8316705	8316747 Gmdrm	hypo	CG	-0.0483
Gm02	8335823	8336483 Gmdrm	hypo	CG	-0.0203
Gm02	8353274	8353304 Gmdrm	hypo	CG	-0.095
Gm02	8353408	8353527 Gmdrm	hypo	CG	-0.0422
Gm02	8356695	8356790 Gmdrm	hypo	CG	-0.0517
Gm02	8358098	8358284 Gmdrm	hypo	CG	-0.81
Gm02	8358413	8358472 Gmdrm	hypo	CG	-0.875
Gm02	8359140	8359293 Gmdrm	hypo	CG	-0.3334
Gm02	8368314	8368477 Gmdrm	hypo	CG	-0.3512
Gm02	8400281	8400368 Gmdrm	hypo	CG	-0.9713
Gm02	8425727	8426240 Gmdrm	hypo	CG	-0.2486
Gm02	8433661	8433978 Gmdrm	hypo	CG	-0.7138
Gm02	8434758	8435041 Gmdrm	hypo	CG	-0.3286
Gm02	8436519	8436546 Gmdrm	hypo	CG	-0.6012
Gm02	8436938	8437291 Gmdrm	hypo	CG	-0.4825
Gm02	8437503	8437630 Gmdrm	hypo	CG	-0.7412
Gm02	8469550	8469606 Gmdrm	hypo	CG	-0.95
Gm02	8481420	8481994 Gmdrm	hypo	CG	-0.3611
Gm02	8523169	8523583 Gmdrm	hypo	CG	-0.3057
Gm02	8544236	8544337 Gmdrm	hypo	CG	-0.4514
Gm02	8544561	8544761 Gmdrm	hypo	CG	-0.4651
Gm02	8561155	8561453 Gmdrm	hypo	CG	-0.6835
Gm02	8563098	8563275 Gmdrm	hypo	CG	-0.0581
Gm02	8584848	8585168 Gmdrm	hypo	CG	-0.6312
Gm02	8618865	8619554 Gmdrm	hypo	CG	-0.5624
Gm02	8626776	8626894 Gmdrm	hypo	CG	-0.965
Gm02	8644769	8644812 Gmdrm	hypo	CG	-0.375
Gm02	8652460	8652622 Gmdrm	hypo	CG	-0.7933
Gm02	8672089	8672196 Gmdrm	hypo	CG	-0.0767
Gm02	8672599	8672731 Gmdrm	hypo	CG	-0.865
Gm02	8673131	8673221 Gmdrm	hypo	CG	-0.064
Gm02	8707967	8708041 Gmdrm	hypo	CG	-0.0371
Gm02	8711644	8711807 Gmdrm	hypo	CG	-0.0612

Gm02	8722620	8722742 Gmdrm	hypo	CG	-0.9367
Gm02	8724369	8724471 Gmdrm	hypo	CG	-0.912
Gm02	8724728	8724770 Gmdrm	hypo	CG	-0.976
Gm02	8747534	8747645 Gmdrm	hypo	CG	-0.3583
Gm02	8752631	8752877 Gmdrm	hypo	CG	-0.3433
Gm02	8753078	8753320 Gmdrm	hypo	CG	-0.7261
Gm02	8775948	8775989 Gmdrm	hypo	CG	-0.795
Gm02	8777228	8777382 Gmdrm	hypo	CG	-0.662
Gm02	8777542	8777686 Gmdrm	hypo	CG	-0.7737
Gm02	8781145	8781260 Gmdrm	hypo	CG	-0.495
Gm02	8798518	8798568 Gmdrm	hypo	CG	-0.5683
Gm02	8822240	8822529 Gmdrm	hypo	CG	-0.3393
Gm02	8825370	8825552 Gmdrm	hypo	CG	-0.4434
Gm02	8825658	8825847 Gmdrm	hypo	CG	-0.0715
Gm02	8852737	8852899 Gmdrm	hypo	CG	-0.1378
Gm02	8853050	8853193 Gmdrm	hypo	CG	-0.1788
Gm02	8853340	8853442 Gmdrm	hypo	CG	-0.6163
Gm02	8856059	8856091 Gmdrm	hypo	CG	-0.8483
Gm02	8856221	8856336 Gmdrm	hypo	CG	-0.742
Gm02	8858677	8858825 Gmdrm	hypo	CG	-0.793
Gm02	8860376	8860583 Gmdrm	hypo	CG	-0.7412
Gm02	8862712	8862992 Gmdrm	hypo	CG	-0.6237
Gm02	8879131	8879191 Gmdrm	hypo	CG	-0.5334
Gm02	8880723	8880858 Gmdrm	hypo	CG	-0.056
Gm02	8893159	8893345 Gmdrm	hypo	CG	-0.4488
Gm02	8893479	8893785 Gmdrm	hypo	CG	-0.5705
Gm02	8898275	8898409 Gmdrm	hypo	CG	-0.0617
Gm02	8900829	8901135 Gmdrm	hypo	CG	-0.5684
Gm02	8901484	8901757 Gmdrm	hypo	CG	-0.824
Gm02	8929694	8929793 Gmdrm	hypo	CG	-0.2567
Gm02	8930329	8930543 Gmdrm	hypo	CG	-0.4747
Gm02	8957327	8957435 Gmdrm	hypo	CG	-0.8267
Gm02	8970335	8970537 Gmdrm	hypo	CG	-0.0458
Gm02	8973669	8973851 Gmdrm	hypo	CG	-0.582
Gm02	8981489	8981615 Gmdrm	hypo	CG	-0.9287
Gm02	9019427	9019619 Gmdrm	hypo	CG	-0.0464
Gm02	9091295	9091429 Gmdrm	hypo	CG	-0.0465
Gm02	9116334	9116870 Gmdrm	hypo	CG	-0.2061
Gm02	9119522	9119682 Gmdrm	hypo	CG	-0.6516
Gm02	9168126	9168314 Gmdrm	hypo	CG	-0.0914
Gm02	9185585	9185941 Gmdrm	hypo	CG	-0.3904
Gm02	9194739	9194919 Gmdrm	hypo	CG	-0.463
Gm02	9196412	9196509 Gmdrm	hypo	CG	-0.2613
Gm02	9198037	9198243 Gmdrm	hypo	CG	-0.3988
Gm02	9211310	9211396 Gmdrm	hypo	CG	-0.5183
Gm02	9234084	9234194 Gmdrm	hypo	CG	-0.132

Gm02	9242009	9242135 Gmdrm	hypo	CG	-0.0858
Gm02	9276784	9277017 Gmdrm	hypo	CG	-0.122
Gm02	9279905	9280031 Gmdrm	hypo	CG	-0.595
Gm02	9280436	9280712 Gmdrm	hypo	CG	-0.6721
Gm02	9317817	9317998 Gmdrm	hypo	CG	-0.165
Gm02	9368783	9368868 Gmdrm	hypo	CG	-0.9067
Gm02	9374467	9374493 Gmdrm	hypo	CG	-0.8386
Gm02	9383110	9383180 Gmdrm	hypo	CG	-0.6733
Gm02	9383962	9384320 Gmdrm	hypo	CG	-0.3125
Gm02	9386833	9387279 Gmdrm	hypo	CG	-0.8403
Gm02	9390212	9390634 Gmdrm	hypo	CG	-0.0262
Gm02	9391835	9391890 Gmdrm	hypo	CG	-0.6283
Gm02	9420067	9420169 Gmdrm	hypo	CG	-0.4789
Gm02	9420462	9420723 Gmdrm	hypo	CG	-0.835
Gm02	9448634	9448765 Gmdrm	hypo	CG	-0.8712
Gm02	9449253	9449620 Gmdrm	hypo	CG	-0.2268
Gm02	9449728	9449835 Gmdrm	hypo	CG	-0.19
Gm02	9454411	9454673 Gmdrm	hypo	CG	-0.7815
Gm02	9464835	9465094 Gmdrm	hypo	CG	-0.0638
Gm02	9521773	9521879 Gmdrm	hypo	CG	-0.242
Gm02	9525624	9525655 Gmdrm	hypo	CG	-0.8233
Gm02	9529260	9529378 Gmdrm	hypo	CG	-0.7875
Gm02	9529513	9529627 Gmdrm	hypo	CG	-0.545
Gm02	9530127	9530182 Gmdrm	hypo	CG	-0.9616
Gm02	9531921	9531980 Gmdrm	hypo	CG	-0.304
Gm02	9533027	9533291 Gmdrm	hypo	CG	-0.3588
Gm02	9533733	9533797 Gmdrm	hypo	CG	-0.565
Gm02	9544992	9545320 Gmdrm	hypo	CG	-0.2664
Gm02	9561613	9562018 Gmdrm	hypo	CG	-0.4534
Gm02	9596632	9596770 Gmdrm	hypo	CG	-0.3522
Gm02	9629236	9629347 Gmdrm	hypo	CG	-0.9383
Gm02	9629969	9630479 Gmdrm	hypo	CG	-0.806
Gm02	9634435	9634564 Gmdrm	hypo	CG	-0.76
Gm02	9642691	9642762 Gmdrm	hypo	CG	-0.775
Gm02	9646673	9646781 Gmdrm	hypo	CG	-0.62
Gm02	9669445	9669808 Gmdrm	hypo	CG	-0.6763
Gm02	9671848	9672015 Gmdrm	hypo	CG	-0.2883
Gm02	9672548	9672676 Gmdrm	hypo	CG	-0.686
Gm02	9697356	9697747 Gmdrm	hypo	CG	-0.4854
Gm02	9701787	9701901 Gmdrm	hypo	CG	-0.0462
Gm02	9710762	9711148 Gmdrm	hypo	CG	-0.96
Gm02	9717064	9717121 Gmdrm	hypo	CG	-0.325
Gm02	9720876	9721400 Gmdrm	hypo	CG	-0.7588
Gm02	9721907	9722040 Gmdrm	hypo	CG	-0.058
Gm02	9729840	9729932 Gmdrm	hypo	CG	-0.2375
Gm02	9730045	9730541 Gmdrm	hypo	CG	-0.0864

Gm02	9737971	9738080 Gmdrm	hypo	CG	-0.3713
Gm02	9739722	9739838 Gmdrm	hypo	CG	-0.094
Gm02	9740099	9740116 Gmdrm	hypo	CG	-0.036
Gm02	9764494	9764628 Gmdrm	hypo	CG	-0.6
Gm02	9764908	9765038 Gmdrm	hypo	CG	-0.336
Gm02	9768721	9768799 Gmdrm	hypo	CG	-0.7583
Gm02	9782987	9783070 Gmdrm	hypo	CG	-0.2667
Gm02	9793076	9793194 Gmdrm	hypo	CG	-0.034
Gm02	9810768	9810916 Gmdrm	hypo	CG	-0.036
Gm02	9811996	9812127 Gmdrm	hypo	CG	-0.57
Gm02	9822382	9822484 Gmdrm	hypo	CG	-0.485
Gm02	9822777	9822863 Gmdrm	hypo	CG	-0.3
Gm02	9823296	9823419 Gmdrm	hypo	CG	-0.07
Gm02	9832198	9832528 Gmdrm	hypo	CG	-0.4972
Gm02	9834644	9834753 Gmdrm	hypo	CG	-0.9538
Gm02	9849576	9849857 Gmdrm	hypo	CG	-0.07
Gm02	9850561	9850624 Gmdrm	hypo	CG	-0.0325
Gm02	9853968	9854782 Gmdrm	hypo	CG	-0.0344
Gm02	9899847	9900151 Gmdrm	hypo	CG	-0.6023
Gm02	9940259	9940387 Gmdrm	hypo	CG	-0.2983
Gm02	9961032	9961180 Gmdrm	hypo	CG	-0.266
Gm02	9961952	9962045 Gmdrm	hypo	CG	-0.285
Gm02	9967522	9967663 Gmdrm	hypo	CG	-0.33
Gm02	9976019	9976067 Gmdrm	hypo	CG	-0.732
Gm02	9976389	9976618 Gmdrm	hypo	CG	-0.3221
Gm02	10037430	10037539 Gmdrm	hypo	CG	-0.35
Gm02	10076086	10076100 Gmdrm	hypo	CG	-0.945
Gm02	10077478	10077983 Gmdrm	hypo	CG	-0.7077
Gm02	10078293	10078467 Gmdrm	hypo	CG	-0.7462
Gm02	10153546	10153832 Gmdrm	hypo	CG	-0.8
Gm02	10200475	10200555 Gmdrm	hypo	CG	-0.9667
Gm02	10249603	10249782 Gmdrm	hypo	CG	-0.0267
Gm02	10252683	10252909 Gmdrm	hypo	CG	-0.7873
Gm02	10257653	10257858 Gmdrm	hypo	CG	-0.03
Gm02	10282225	10282239 Gmdrm	hypo	CG	-0.4466
Gm02	10292207	10292378 Gmdrm	hypo	CG	-0.385
Gm02	10305195	10305280 Gmdrm	hypo	CG	-0.47
Gm02	10313872	10314173 Gmdrm	hypo	CG	-0.3372
Gm02	10314454	10314711 Gmdrm	hypo	CG	-0.1589
Gm02	10337373	10337587 Gmdrm	hypo	CG	-0.3424
Gm02	10339896	10340090 Gmdrm	hypo	CG	-0.204
Gm02	10341931	10341961 Gmdrm	hypo	CG	-0.046
Gm02	10346511	10346642 Gmdrm	hypo	CG	-0.6825
Gm02	10348813	10348881 Gmdrm	hypo	CG	-0.6716
Gm02	10400719	10400811 Gmdrm	hypo	CG	-0.6112
Gm02	10406585	10406900 Gmdrm	hypo	CG	-0.3575

Gm02	10468432	10468513	Gmdrm	hypo	CG	-0.8217
Gm02	10477459	10477990	Gmdrm	hypo	CG	-0.643
Gm02	10491287	10491475	Gmdrm	hypo	CG	-0.6275
Gm02	10504580	10505097	Gmdrm	hypo	CG	-0.2303
Gm02	10508257	10508339	Gmdrm	hypo	CG	-0.4667
Gm02	10529208	10529272	Gmdrm	hypo	CG	-0.255
Gm02	10530378	10530537	Gmdrm	hypo	CG	-0.4567
Gm02	10530850	10530969	Gmdrm	hypo	CG	-0.34
Gm02	10562624	10562918	Gmdrm	hypo	CG	-0.755
Gm02	10567792	10568231	Gmdrm	hypo	CG	-0.0345
Gm02	10610849	10611184	Gmdrm	hypo	CG	-0.059
Gm02	10623466	10623682	Gmdrm	hypo	CG	-0.1183
Gm02	10626335	10626893	Gmdrm	hypo	CG	-0.0367
Gm02	10668702	10668784	Gmdrm	hypo	CG	-0.45
Gm02	10678106	10678286	Gmdrm	hypo	CG	-0.84
Gm02	10683029	10683264	Gmdrm	hypo	CG	-0.5491
Gm02	10698591	10698794	Gmdrm	hypo	CG	-0.06
Gm02	10716602	10716799	Gmdrm	hypo	CG	-0.039
Gm02	10723927	10724004	Gmdrm	hypo	CG	-0.8045
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Gm02	10735401	10735837	Gmdrm	hypo	CG	-0.1489
Gm02	10773441	10773572	Gmdrm	hypo	CG	-0.5879
Gm02	10796876	10797027	Gmdrm	hypo	CG	-0.9635
Gm02	10839972	10840081	Gmdrm	hypo	CG	-0.8372
Gm02	10840285	10840401	Gmdrm	hypo	CG	-0.7133
Gm02	10843457	10843533	Gmdrm	hypo	CG	-0.9467
Gm02	10853708	10853938	Gmdrm	hypo	CG	-0.3022
Gm02	10854062	10854123	Gmdrm	hypo	CG	-0.7233
Gm02	10864276	10864345	Gmdrm	hypo	CG	-0.29
Gm02	10873863	10874063	Gmdrm	hypo	CG	-0.6662
Gm02	10889611	10889626	Gmdrm	hypo	CG	-0.415
Gm02	10889958	10890141	Gmdrm	hypo	CG	-0.5549
Gm02	10904635	10904744	Gmdrm	hypo	CG	-0.9334
Gm02	10907892	10908072	Gmdrm	hypo	CG	-0.5817
Gm02	10921413	10921586	Gmdrm	hypo	CG	-0.535
Gm02	10925852	10926332	Gmdrm	hypo	CG	-0.0267
Gm02	10937761	10937862	Gmdrm	hypo	CG	-0.905
Gm02	10938155	10938182	Gmdrm	hypo	CG	-0.275
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Gm02	10947401	10947464	Gmdrm	hypo	CG	-0.05
Gm02	10949319	10949383	Gmdrm	hypo	CG	-0.4267
Gm02	10960527	10960561	Gmdrm	hypo	CG	-0.8417
Gm02	10968750	10968882	Gmdrm	hypo	CG	-0.6007
Gm02	10969525	10969643	Gmdrm	hypo	CG	-0.19
Gm02	10986598	10986815	Gmdrm	hypo	CG	-0.463

Gm02	10990818	10990898	Gmdrm	hypo	CG	-0.5137
Gm02	10991365	10991537	Gmdrm	hypo	CG	-0.616
Gm02	11026550	11026741	Gmdrm	hypo	CG	-0.2411
Gm02	11027052	11027110	Gmdrm	hypo	CG	-0.9367
Gm02	11042991	11043223	Gmdrm	hypo	CG	-0.3579
Gm02	11043660	11043981	Gmdrm	hypo	CG	-0.4805
Gm02	11069087	11069203	Gmdrm	hypo	CG	-0.1244
Gm02	11096506	11096670	Gmdrm	hypo	CG	-0.827
Gm02	11097948	11097995	Gmdrm	hypo	CG	-0.9325
Gm02	11105025	11105288	Gmdrm	hypo	CG	-0.3557
Gm02	11105609	11105818	Gmdrm	hypo	CG	-0.3554
Gm02	11109634	11109851	Gmdrm	hypo	CG	-0.1176
Gm02	11110486	11110863	Gmdrm	hypo	CG	-0.14
Gm02	11136723	11136821	Gmdrm	hypo	CG	-0.2687
Gm02	11137110	11137165	Gmdrm	hypo	CG	-0.145
Gm02	11137500	11137631	Gmdrm	hypo	CG	-0.833
Gm02	11180393	11180500	Gmdrm	hypo	CG	-0.1117
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Gm02	11195790	11195868	Gmdrm	hypo	CG	-0.0433
Gm02	11203590	11203745	Gmdrm	hypo	CG	-0.8039
Gm02	11223470	11223518	Gmdrm	hypo	CG	-0.036
Gm02	11239938	11240037	Gmdrm	hypo	CG	-0.07
Gm02	11305861	11306017	Gmdrm	hypo	CG	-0.5807
Gm02	11316971	11317065	Gmdrm	hypo	CG	-0.81
Gm02	11325484	11325514	Gmdrm	hypo	CG	-0.7366
Gm02	11336783	11337005	Gmdrm	hypo	CG	-0.3529
Gm02	11351672	11352223	Gmdrm	hypo	CG	-0.2523
Gm02	11373985	11374041	Gmdrm	hypo	CG	-0.7075
Gm02	11383497	11383551	Gmdrm	hypo	CG	-0.8066
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Gm02	11386451	11386680	Gmdrm	hypo	CG	-0.3133
Gm02	11386944	11387153	Gmdrm	hypo	CG	-0.3983
Gm02	11387286	11387360	Gmdrm	hypo	CG	-0.4366
Gm02	11387998	11388036	Gmdrm	hypo	CG	-0.61
Gm02	11391228	11391391	Gmdrm	hypo	CG	-0.535
Gm02	11398547	11398749	Gmdrm	hypo	CG	-0.82
Gm02	11402040	11402778	Gmdrm	hypo	CG	-0.2811
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Gm02	11412433	11412478	Gmdrm	hypo	CG	-0.6817
Gm02	11432356	11432452	Gmdrm	hypo	CG	-0.0842
Gm02	11443197	11443261	Gmdrm	hypo	CG	-0.065
Gm02	11443396	11443499	Gmdrm	hypo	CG	-0.195
Gm02	11446395	11446416	Gmdrm	hypo	CG	-0.0537

Gm02	11458071	11458327	Gmdrm	hypo	CG	-0.6388
Gm02	11459055	11459093	Gmdrm	hypo	CG	-0.94
Gm02	11459413	11459514	Gmdrm	hypo	CG	-0.94
Gm02	11472316	11472343	Gmdrm	hypo	CG	-0.8317
Gm02	11475971	11476041	Gmdrm	hypo	CG	-0.675
Gm02	11479153	11479359	Gmdrm	hypo	CG	-0.9322
Gm02	11479636	11479671	Gmdrm	hypo	CG	-0.3167
Gm02	11480025	11480123	Gmdrm	hypo	CG	-0.425
Gm02	11480385	11480657	Gmdrm	hypo	CG	-0.4425
Gm02	11482361	11482636	Gmdrm	hypo	CG	-0.4972
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Gm02	11486457	11486764	Gmdrm	hypo	CG	-0.54
Gm02	11487184	11487249	Gmdrm	hypo	CG	-0.8892
Gm02	11487353	11487408	Gmdrm	hypo	CG	-0.7267
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Gm02	11503771	11503922	Gmdrm	hypo	CG	-0.6717
Gm02	11504146	11504314	Gmdrm	hypo	CG	-0.19
Gm02	11504666	11504809	Gmdrm	hypo	CG	-0.156
Gm02	11509675	11509776	Gmdrm	hypo	CG	-0.095
Gm02	11511037	11511300	Gmdrm	hypo	CG	-0.727
Gm02	11513567	11513622	Gmdrm	hypo	CG	-0.965
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Gm02	11531225	11531358	Gmdrm	hypo	CG	-0.6011
Gm02	11531986	11532119	Gmdrm	hypo	CG	-0.384
Gm02	11532437	11532569	Gmdrm	hypo	CG	-0.03
Gm02	11548867	11549200	Gmdrm	hypo	CG	-0.047
Gm02	11550123	11550224	Gmdrm	hypo	CG	-0.8983
Gm02	11550478	11550566	Gmdrm	hypo	CG	-0.754
Gm02	11551739	11552140	Gmdrm	hypo	CG	-0.744
Gm02	11558472	11558619	Gmdrm	hypo	CG	-0.1616
Gm02	11558773	11558909	Gmdrm	hypo	CG	-0.7801
Gm02	11563289	11563535	Gmdrm	hypo	CG	-0.803
Gm02	11576917	11577081	Gmdrm	hypo	CG	-0.627
Gm02	11597807	11597950	Gmdrm	hypo	CG	-0.3817
Gm02	11600074	11600316	Gmdrm	hypo	CG	-0.1418
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Gm02	11604817	11604854	Gmdrm	hypo	CG	-0.966
Gm02	11624796	11624861	Gmdrm	hypo	CG	-0.96
Gm02	11629613	11629707	Gmdrm	hypo	CG	-0.9471
Gm02	11638164	11638398	Gmdrm	hypo	CG	-0.4393
Gm02	11710595	11710687	Gmdrm	hypo	CG	-0.0449
Gm02	11719003	11719141	Gmdrm	hypo	CG	-0.471
Gm02	11719400	11719534	Gmdrm	hypo	CG	-0.1656
Gm02	11719755	11719805	Gmdrm	hypo	CG	-0.1374

Gm02	11720168	11720267	Gmdrm	hypo	CG	-0.6583
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Gm02	11721563	11721811	Gmdrm	hypo	CG	-0.384
Gm02	11728286	11728362	Gmdrm	hypo	CG	-0.4469
Gm02	11738985	11739186	Gmdrm	hypo	CG	-0.02
Gm02	11756916	11756962	Gmdrm	hypo	CG	-0.6533
Gm02	11757644	11757791	Gmdrm	hypo	CG	-0.4333
Gm02	11770101	11770512	Gmdrm	hypo	CG	-0.8074
Gm02	11772225	11772262	Gmdrm	hypo	CG	-0.3634
Gm02	11777148	11777408	Gmdrm	hypo	CG	-0.2638
Gm02	11779414	11779510	Gmdrm	hypo	CG	-0.5
Gm02	11788253	11788452	Gmdrm	hypo	CG	-0.748
Gm02	11838047	11838191	Gmdrm	hypo	CG	-0.6991
Gm02	11848057	11848338	Gmdrm	hypo	CG	-0.4672
Gm02	11848648	11848833	Gmdrm	hypo	CG	-0.0367
Gm02	11851061	11851187	Gmdrm	hypo	CG	-0.0909
Gm02	11857821	11858616	Gmdrm	hypo	CG	-0.0326
Gm02	11869462	11869523	Gmdrm	hypo	CG	-0.8263
Gm02	11883412	11883496	Gmdrm	hypo	CG	-0.4
Gm02	11885815	11886033	Gmdrm	hypo	CG	-0.18
Gm02	11886208	11886424	Gmdrm	hypo	CG	-0.5667
Gm02	11891508	11891697	Gmdrm	hypo	CG	-0.2693
Gm02	11892019	11892313	Gmdrm	hypo	CG	-0.8807
Gm02	11907325	11907406	Gmdrm	hypo	CG	-0.4683
Gm02	11907540	11907765	Gmdrm	hypo	CG	-0.4783
Gm02	11908310	11908548	Gmdrm	hypo	CG	-0.8258
Gm02	11918645	11918741	Gmdrm	hypo	CG	-0.5833
Gm02	11925503	11925838	Gmdrm	hypo	CG	-0.5644
Gm02	11926588	11926698	Gmdrm	hypo	CG	-0.4716
Gm02	11949629	11949780	Gmdrm	hypo	CG	-0.7269
Gm02	11950400	11950510	Gmdrm	hypo	CG	-0.9317
Gm02	11950614	11950642	Gmdrm	hypo	CG	-0.866
Gm02	11950821	11950929	Gmdrm	hypo	CG	-0.6467
Gm02	11951040	11951193	Gmdrm	hypo	CG	-0.9692
Gm02	11954558	11954599	Gmdrm	hypo	CG	-0.7133
Gm02	11970853	11970979	Gmdrm	hypo	CG	-0.1338
Gm02	11972287	11972366	Gmdrm	hypo	CG	-0.53
Gm02	11975157	11975472	Gmdrm	hypo	CG	-0.4438
Gm02	11982856	11983025	Gmdrm	hypo	CG	-0.7683
Gm02	11985629	11985783	Gmdrm	hypo	CG	-0.495
Gm02	11995295	11995437	Gmdrm	hypo	CG	-0.03
Gm02	12011680	12011746	Gmdrm	hypo	CG	-0.7283
Gm02	12033530	12033941	Gmdrm	hypo	CG	-0.7779
Gm02	12034292	12034410	Gmdrm	hypo	CG	-0.7716
Gm02	12035020	12035505	Gmdrm	hypo	CG	-0.0525

Gm02	12035744	12035898	Gmdrm	hypo	CG	-0.256
Gm02	12058514	12058643	Gmdrm	hypo	CG	-0.0529
Gm02	12074355	12074537	Gmdrm	hypo	CG	-0.7017
Gm02	12082359	12082387	Gmdrm	hypo	CG	-0.94
Gm02	12084418	12084481	Gmdrm	hypo	CG	-0.81
Gm02	12084967	12085010	Gmdrm	hypo	CG	-0.73
Gm02	12103935	12104029	Gmdrm	hypo	CG	-0.05
Gm02	12108130	12108282	Gmdrm	hypo	CG	-0.124
Gm02	12112329	12112569	Gmdrm	hypo	CG	-0.0486
Gm02	12139912	12140095	Gmdrm	hypo	CG	-0.6522
Gm02	12140859	12141122	Gmdrm	hypo	CG	-0.07
Gm02	12161588	12161983	Gmdrm	hypo	CG	-0.212
Gm02	12162419	12162526	Gmdrm	hypo	CG	-0.846
Gm02	12171062	12171162	Gmdrm	hypo	CG	-0.65
Gm02	12190106	12190195	Gmdrm	hypo	CG	-0.784
Gm02	12194454	12194726	Gmdrm	hypo	CG	-0.3458
Gm02	12199427	12199547	Gmdrm	hypo	CG	-0.2943
Gm02	12199651	12199766	Gmdrm	hypo	CG	-0.31
Gm02	12200351	12200445	Gmdrm	hypo	CG	-0.8421
Gm02	12212583	12212729	Gmdrm	hypo	CG	-0.08
Gm02	12214258	12214577	Gmdrm	hypo	CG	-0.11
Gm02	12214942	12215150	Gmdrm	hypo	CG	-0.7372
Gm02	12215622	12215887	Gmdrm	hypo	CG	-0.7287
Gm02	12217525	12217631	Gmdrm	hypo	CG	-0.7183
Gm02	12241439	12241556	Gmdrm	hypo	CG	-0.4816
Gm02	12261983	12262442	Gmdrm	hypo	CG	-0.0269
Gm02	12288045	12288216	Gmdrm	hypo	CG	-0.0356
Gm02	12288757	12289035	Gmdrm	hypo	CG	-0.3767
Gm02	12312008	12312175	Gmdrm	hypo	CG	-0.6641
Gm02	12333871	12334181	Gmdrm	hypo	CG	-0.0733
Gm02	12364198	12364278	Gmdrm	hypo	CG	-0.218
Gm02	12377165	12377331	Gmdrm	hypo	CG	-0.4875
Gm02	12382516	12382687	Gmdrm	hypo	CG	-0.2415
Gm02	12385061	12385149	Gmdrm	hypo	CG	-0.4483
Gm02	12385342	12385417	Gmdrm	hypo	CG	-0.932
Gm02	12402497	12402724	Gmdrm	hypo	CG	-0.545
Gm02	12430031	12430418	Gmdrm	hypo	CG	-0.2961
Gm02	12432079	12432395	Gmdrm	hypo	CG	-0.1709
Gm02	12438429	12438651	Gmdrm	hypo	CG	-0.7486
Gm02	12439006	12439242	Gmdrm	hypo	CG	-0.9212
Gm02	12443634	12443784	Gmdrm	hypo	CG	-0.4031
Gm02	12445806	12446140	Gmdrm	hypo	CG	-0.4842
Gm02	12446267	12446460	Gmdrm	hypo	CG	-0.9625
Gm02	12447320	12447423	Gmdrm	hypo	CG	-0.805
Gm02	12471022	12471032	Gmdrm	hypo	CG	-0.6817
Gm02	12474740	12475166	Gmdrm	hypo	CG	-0.7786

Gm02	12485181	12485338	Gmdrm	hypo	CG	-0.4376
Gm02	12485672	12486633	Gmdrm	hypo	CG	-0.0292
Gm02	12493357	12493537	Gmdrm	hypo	CG	-0.547
Gm02	12524812	12525165	Gmdrm	hypo	CG	-0.0493
Gm02	12528490	12528633	Gmdrm	hypo	CG	-0.11
Gm02	12539371	12539649	Gmdrm	hypo	CG	-0.7458
Gm02	12559345	12559392	Gmdrm	hypo	CG	-0.4916
Gm02	12609921	12610917	Gmdrm	hypo	CG	-0.0177
Gm02	12655907	12656091	Gmdrm	hypo	CG	-0.326
Gm02	12657475	12657652	Gmdrm	hypo	CG	-0.14
Gm02	12672067	12672224	Gmdrm	hypo	CG	-0.074
Gm02	12673768	12673841	Gmdrm	hypo	CG	-0.1484
Gm02	12681958	12682130	Gmdrm	hypo	CG	-0.5188
Gm02	12686843	12687097	Gmdrm	hypo	CG	-0.0564
Gm02	12687794	12687832	Gmdrm	hypo	CG	-0.035
Gm02	12700008	12700330	Gmdrm	hypo	CG	-0.4535
Gm02	12700442	12700484	Gmdrm	hypo	CG	-0.786
Gm02	12701469	12701599	Gmdrm	hypo	CG	-0.475
Gm02	12707696	12707862	Gmdrm	hypo	CG	-0.0941
Gm02	12713135	12713371	Gmdrm	hypo	CG	-0.084
Gm02	12718039	12718111	Gmdrm	hypo	CG	-0.9557
Gm02	12720867	12721190	Gmdrm	hypo	CG	-0.3817
Gm02	12725250	12725351	Gmdrm	hypo	CG	-0.8029
Gm02	12725458	12725597	Gmdrm	hypo	CG	-0.638
Gm02	12727244	12727403	Gmdrm	hypo	CG	-0.454
Gm02	12728039	12728084	Gmdrm	hypo	CG	-0.565
Gm02	12728596	12728754	Gmdrm	hypo	CG	-0.185
Gm02	12737629	12737927	Gmdrm	hypo	CG	-0.6511
Gm02	12739138	12739294	Gmdrm	hypo	CG	-0.9313
Gm02	12747748	12747839	Gmdrm	hypo	CG	-0.4675
Gm02	12761724	12761853	Gmdrm	hypo	CG	-0.6337
Gm02	12776370	12776473	Gmdrm	hypo	CG	-0.385
Gm02	12776894	12777243	Gmdrm	hypo	CG	-0.448
Gm02	12779470	12779546	Gmdrm	hypo	CG	-0.34
Gm02	12782281	12782368	Gmdrm	hypo	CG	-0.934
Gm02	12791541	12791600	Gmdrm	hypo	CG	-0.885
Gm02	12816264	12816373	Gmdrm	hypo	CG	-0.9617
Gm02	12816647	12816809	Gmdrm	hypo	CG	-0.477
Gm02	12842189	12842335	Gmdrm	hypo	CG	-0.5267
Gm02	12843229	12843382	Gmdrm	hypo	CG	-0.4236
Gm02	12870266	12870567	Gmdrm	hypo	CG	-0.2892
Gm02	12912344	12912642	Gmdrm	hypo	CG	-0.8013
Gm02	12912763	12912849	Gmdrm	hypo	CG	-0.5983
Gm02	12919127	12919450	Gmdrm	hypo	CG	-0.56
Gm02	12927569	12928150	Gmdrm	hypo	CG	-0.2363
Gm02	12931174	12931332	Gmdrm	hypo	CG	-0.4575

Gm02	12937125	12937197	Gmdrm	hypo	CG	-0.505
Gm02	13057441	13057585	Gmdrm	hypo	CG	-0.9683
Gm02	13057970	13057984	Gmdrm	hypo	CG	-0.3933
Gm02	13058397	13058518	Gmdrm	hypo	CG	-0.2217
Gm02	13070789	13071187	Gmdrm	hypo	CG	-0.5941
Gm02	13071378	13071492	Gmdrm	hypo	CG	-0.135
Gm02	13081130	13081255	Gmdrm	hypo	CG	-0.26
Gm02	13085214	13085277	Gmdrm	hypo	CG	-0.155
Gm02	13087423	13087975	Gmdrm	hypo	CG	-0.1758
Gm02	13090145	13090169	Gmdrm	hypo	CG	-0.155
Gm02	13114872	13114979	Gmdrm	hypo	CG	-0.3578
Gm02	13116841	13117243	Gmdrm	hypo	CG	-0.8088
Gm02	13129689	13130035	Gmdrm	hypo	CG	-0.0671
Gm02	13133906	13134110	Gmdrm	hypo	CG	-0.5209
Gm02	13152065	13152515	Gmdrm	hypo	CG	-0.1882
Gm02	13155514	13155592	Gmdrm	hypo	CG	-0.5837
Gm02	13155845	13156040	Gmdrm	hypo	CG	-0.7129
Gm02	13157444	13157608	Gmdrm	hypo	CG	-0.1875
Gm02	13176380	13176434	Gmdrm	hypo	CG	-0.3887
Gm02	13182851	13183256	Gmdrm	hypo	CG	-0.09
Gm02	13185352	13185642	Gmdrm	hypo	CG	-0.0484
Gm02	13513017	13513237	Gmdrm	hypo	CG	-0.0367
Gm02	13556377	13556638	Gmdrm	hypo	CG	-0.09
Gm02	13587044	13587488	Gmdrm	hypo	CG	-0.0994
Gm02	13959170	13959392	Gmdrm	hypo	CG	-0.0752
Gm02	13959797	13959939	Gmdrm	hypo	CG	-0.1937
Gm02	13960342	13960470	Gmdrm	hypo	CG	-0.5683
Gm02	13965284	13965556	Gmdrm	hypo	CG	-0.845
Gm02	13969210	13969370	Gmdrm	hypo	CG	-0.6338
Gm02	14000928	14001022	Gmdrm	hypo	CG	-0.524
Gm02	14002371	14002730	Gmdrm	hypo	CG	-0.0559
Gm02	14012929	14013106	Gmdrm	hypo	CG	-0.912
Gm02	14035727	14035830	Gmdrm	hypo	CG	-0.0386
Gm02	14056719	14056854	Gmdrm	hypo	CG	-0.4571
Gm02	14057355	14057572	Gmdrm	hypo	CG	-0.754
Gm02	14066994	14067104	Gmdrm	hypo	CG	-0.4917
Gm02	14067210	14067519	Gmdrm	hypo	CG	-0.5772
Gm02	14069617	14069838	Gmdrm	hypo	CG	-0.9315
Gm02	14078252	14078326	Gmdrm	hypo	CG	-0.6586
Gm02	14110339	14110670	Gmdrm	hypo	CG	-0.576
Gm02	14112136	14112391	Gmdrm	hypo	CG	-0.1076
Gm02	14122046	14122129	Gmdrm	hypo	CG	-0.4216
Gm02	14146648	14147028	Gmdrm	hypo	CG	-0.9006
Gm02	14148735	14148792	Gmdrm	hypo	CG	-0.39
Gm02	14159133	14159237	Gmdrm	hypo	CG	-0.285
Gm02	14159832	14159896	Gmdrm	hypo	CG	-0.6783

Gm02	14161326	14161559	Gmdrm	hypo	CG	-0.1522
Gm02	14161937	14162311	Gmdrm	hypo	CG	-0.7928
Gm02	14163757	14163847	Gmdrm	hypo	CG	-0.9691
Gm02	14170773	14170895	Gmdrm	hypo	CG	-0.6075
Gm02	14175870	14176117	Gmdrm	hypo	CG	-0.26
Gm02	14176414	14176612	Gmdrm	hypo	CG	-0.279
Gm02	14176722	14176974	Gmdrm	hypo	CG	-0.1192
Gm02	14187569	14187723	Gmdrm	hypo	CG	-0.5867
Gm02	14188530	14188626	Gmdrm	hypo	CG	-0.1616
Gm02	14189384	14189601	Gmdrm	hypo	CG	-0.5154
Gm02	14213658	14213763	Gmdrm	hypo	CG	-0.0683
Gm02	14228580	14228743	Gmdrm	hypo	CG	-0.025
Gm02	14232027	14232165	Gmdrm	hypo	CG	-0.816
Gm02	14232726	14232827	Gmdrm	hypo	CG	-0.18
Gm02	14237961	14237988	Gmdrm	hypo	CG	-0.2666
Gm02	14239672	14239829	Gmdrm	hypo	CG	-0.766
Gm02	14241425	14241494	Gmdrm	hypo	CG	-0.056
Gm02	14268174	14268579	Gmdrm	hypo	CG	-0.8475
Gm02	14269087	14269169	Gmdrm	hypo	CG	-0.3617
Gm02	14269274	14269570	Gmdrm	hypo	CG	-0.2875
Gm02	14276927	14276974	Gmdrm	hypo	CG	-0.5966
Gm02	14277105	14277536	Gmdrm	hypo	CG	-0.0592
Gm02	14277669	14277836	Gmdrm	hypo	CG	-0.74
Gm02	14296840	14297062	Gmdrm	hypo	CG	-0.5794
Gm02	14312108	14312245	Gmdrm	hypo	CG	-0.6016
Gm02	14312609	14312772	Gmdrm	hypo	CG	-0.5142
Gm02	14314121	14314240	Gmdrm	hypo	CG	-0.8774
Gm02	14314584	14314687	Gmdrm	hypo	CG	-0.9675
Gm02	14391381	14391530	Gmdrm	hypo	CG	-0.4063
Gm02	14426307	14426432	Gmdrm	hypo	CG	-0.9084
Gm02	14514890	14515000	Gmdrm	hypo	CG	-0.0683
Gm02	14542506	14542599	Gmdrm	hypo	CG	-0.1599
Gm02	14544108	14544343	Gmdrm	hypo	CG	-0.8078
Gm02	14544451	14544614	Gmdrm	hypo	CG	-0.61
Gm02	14560827	14560980	Gmdrm	hypo	CG	-0.7291
Gm02	14570994	14571247	Gmdrm	hypo	CG	-0.0372
Gm02	14572189	14572237	Gmdrm	hypo	CG	-0.8125
Gm02	14586046	14586236	Gmdrm	hypo	CG	-0.6236
Gm02	14589417	14589539	Gmdrm	hypo	CG	-0.385
Gm02	14598462	14598719	Gmdrm	hypo	CG	-0.0489
Gm02	14622705	14623032	Gmdrm	hypo	CG	-0.6832
Gm02	14644827	14644892	Gmdrm	hypo	CG	-0.955
Gm02	14735911	14736289	Gmdrm	hypo	CG	-0.4565
Gm02	14736420	14736594	Gmdrm	hypo	CG	-0.367
Gm02	14736810	14736870	Gmdrm	hypo	CG	-0.7517
Gm02	14748839	14748885	Gmdrm	hypo	CG	-0.024

Gm02	14771723	14771733	Gmdrm	hypo	CG	-0.062
Gm02	14791635	14791755	Gmdrm	hypo	CG	-0.777
Gm02	14801242	14801391	Gmdrm	hypo	CG	-0.4817
Gm02	14812678	14812842	Gmdrm	hypo	CG	-0.058
Gm02	14818239	14818308	Gmdrm	hypo	CG	-0.522
Gm02	14818439	14818773	Gmdrm	hypo	CG	-0.5453
Gm02	14822641	14822735	Gmdrm	hypo	CG	-0.8887
Gm02	14823004	14823129	Gmdrm	hypo	CG	-0.755
Gm02	14828016	14828204	Gmdrm	hypo	CG	-0.1584
Gm02	14835663	14835787	Gmdrm	hypo	CG	-0.9594
Gm02	14836277	14836333	Gmdrm	hypo	CG	-0.912
Gm02	14845144	14845243	Gmdrm	hypo	CG	-0.3116
Gm02	14856188	14856288	Gmdrm	hypo	CG	-0.938
Gm02	14856400	14856525	Gmdrm	hypo	CG	-0.8442
Gm02	14857088	14857188	Gmdrm	hypo	CG	-0.106
Gm02	14859567	14859658	Gmdrm	hypo	CG	-0.8621
Gm02	14893359	14893572	Gmdrm	hypo	CG	-0.118
Gm02	14976692	14977070	Gmdrm	hypo	CG	-0.9394
Gm02	14978502	14978564	Gmdrm	hypo	CG	-0.04
Gm02	15021317	15021447	Gmdrm	hypo	CG	-0.0433
Gm02	15040305	15040670	Gmdrm	hypo	CG	-0.0665
Gm02	15058213	15058648	Gmdrm	hypo	CG	-0.648
Gm02	15058829	15059012	Gmdrm	hypo	CG	-0.351
Gm02	15059200	15059386	Gmdrm	hypo	CG	-0.2984
Gm02	15085020	15085391	Gmdrm	hypo	CG	-0.0366
Gm02	15111584	15111745	Gmdrm	hypo	CG	-0.04
Gm02	15128065	15128161	Gmdrm	hypo	CG	-0.96
Gm02	15129355	15129535	Gmdrm	hypo	CG	-0.8908
Gm02	15129770	15129918	Gmdrm	hypo	CG	-0.7828
Gm02	15150240	15150279	Gmdrm	hypo	CG	-0.065
Gm02	15154467	15154558	Gmdrm	hypo	CG	-0.027
Gm02	15159730	15159994	Gmdrm	hypo	CG	-0.0446
Gm02	15171673	15171793	Gmdrm	hypo	CG	-0.0475
Gm02	15178227	15178424	Gmdrm	hypo	CG	-0.1867
Gm02	15188753	15188834	Gmdrm	hypo	CG	-0.8683
Gm02	15230644	15230756	Gmdrm	hypo	CG	-0.9475
Gm02	15239930	15239982	Gmdrm	hypo	CG	-0.7425
Gm02	15298541	15298612	Gmdrm	hypo	CG	-0.6417
Gm02	15334607	15334918	Gmdrm	hypo	CG	-0.3975
Gm02	15335329	15335391	Gmdrm	hypo	CG	-0.49
Gm02	15356949	15357162	Gmdrm	hypo	CG	-0.038
Gm02	15382786	15382858	Gmdrm	hypo	CG	-0.0366
Gm02	15383308	15383478	Gmdrm	hypo	CG	-0.908
Gm02	15475882	15476196	Gmdrm	hypo	CG	-0.0637
Gm02	15478259	15478364	Gmdrm	hypo	CG	-0.6633
Gm02	15478677	15478736	Gmdrm	hypo	CG	-0.865

Gm02	15505654	15505792	Gmdrm	hypo	CG	-0.4833
Gm02	15553235	15553360	Gmdrm	hypo	CG	-0.9363
Gm02	15554857	15554918	Gmdrm	hypo	CG	-0.5384
Gm02	15555143	15555292	Gmdrm	hypo	CG	-0.243
Gm02	15571637	15571895	Gmdrm	hypo	CG	-0.5908
Gm02	15575757	15575992	Gmdrm	hypo	CG	-0.6136
Gm02	15576407	15576556	Gmdrm	hypo	CG	-0.5666
Gm02	15576951	15577171	Gmdrm	hypo	CG	-0.441
Gm02	15579428	15579702	Gmdrm	hypo	CG	-0.9161
Gm02	15602478	15602527	Gmdrm	hypo	CG	-0.7874
Gm02	15618414	15618593	Gmdrm	hypo	CG	-0.5941
Gm02	15669781	15670097	Gmdrm	hypo	CG	-0.3183
Gm02	15680698	15680828	Gmdrm	hypo	CG	-0.03
Gm02	15700145	15700272	Gmdrm	hypo	CG	-0.5675
Gm02	15708569	15708609	Gmdrm	hypo	CG	-0.0734
Gm02	15714389	15714710	Gmdrm	hypo	CG	-0.2244
Gm02	15720138	15720388	Gmdrm	hypo	CG	-0.9
Gm02	15727835	15727954	Gmdrm	hypo	CG	-0.0428
Gm02	15729349	15729446	Gmdrm	hypo	CG	-0.1983
Gm02	15788787	15788831	Gmdrm	hypo	CG	-0.92
Gm02	15794196	15794381	Gmdrm	hypo	CG	-0.712
Gm02	15810713	15810795	Gmdrm	hypo	CG	-0.285
Gm02	15810903	15810977	Gmdrm	hypo	CG	-0.1833
Gm02	15855143	15855239	Gmdrm	hypo	CG	-0.6217
Gm02	15858978	15859086	Gmdrm	hypo	CG	-0.105
Gm02	15884810	15884918	Gmdrm	hypo	CG	-0.055
Gm02	15907028	15907135	Gmdrm	hypo	CG	-0.9333
Gm02	15931473	15931544	Gmdrm	hypo	CG	-0.835
Gm02	15936528	15936608	Gmdrm	hypo	CG	-0.0556
Gm02	15996735	15997076	Gmdrm	hypo	CG	-0.12
Gm02	15997845	15997916	Gmdrm	hypo	CG	-0.242
Gm02	15998259	15998399	Gmdrm	hypo	CG	-0.3109
Gm02	16000267	16000461	Gmdrm	hypo	CG	-0.07
Gm02	16017314	16017352	Gmdrm	hypo	CG	-0.9417
Gm02	16022056	16022228	Gmdrm	hypo	CG	-0.8888
Gm02	16033212	16033438	Gmdrm	hypo	CG	-0.839
Gm02	16033559	16033696	Gmdrm	hypo	CG	-0.044
Gm02	16034560	16034802	Gmdrm	hypo	CG	-0.4093
Gm02	16035202	16035515	Gmdrm	hypo	CG	-0.7925
Gm02	16038753	16038869	Gmdrm	hypo	CG	-0.0467
Gm02	16041113	16041194	Gmdrm	hypo	CG	-0.096
Gm02	16063579	16063693	Gmdrm	hypo	CG	-0.82
Gm02	16096445	16096578	Gmdrm	hypo	CG	-0.2216
Gm02	16146098	16146175	Gmdrm	hypo	CG	-0.8884
Gm02	16149574	16149775	Gmdrm	hypo	CG	-0.05
Gm02	16151808	16152036	Gmdrm	hypo	CG	-0.71

Gm02	16162250	16162491	Gmdrm	hypo	CG	-0.1657
Gm02	16162973	16163038	Gmdrm	hypo	CG	-0.822
Gm02	16165004	16165099	Gmdrm	hypo	CG	-0.635
Gm02	16176333	16176395	Gmdrm	hypo	CG	-0.9683
Gm02	16180269	16180929	Gmdrm	hypo	CG	-0.0305
Gm02	16212644	16212730	Gmdrm	hypo	CG	-0.0817
Gm02	16242281	16242449	Gmdrm	hypo	CG	-0.6043
Gm02	16264653	16264847	Gmdrm	hypo	CG	-0.025
Gm02	16269620	16269757	Gmdrm	hypo	CG	-0.212
Gm02	16270393	16270535	Gmdrm	hypo	CG	-0.235
Gm02	16270683	16270792	Gmdrm	hypo	CG	-0.062
Gm02	16357639	16357788	Gmdrm	hypo	CG	-0.0437
Gm02	16361002	16361239	Gmdrm	hypo	CG	-0.0278
Gm02	16362706	16362750	Gmdrm	hypo	CG	-0.9633
Gm02	16383527	16383722	Gmdrm	hypo	CG	-0.0511
Gm02	16389656	16390003	Gmdrm	hypo	CG	-0.2565
Gm02	16423476	16423545	Gmdrm	hypo	CG	-0.5167
Gm02	16476408	16476515	Gmdrm	hypo	CG	-0.0481
Gm02	16546509	16546578	Gmdrm	hypo	CG	-0.038
Gm02	16614603	16615426	Gmdrm	hypo	CG	-0.0314
Gm02	16736521	16736697	Gmdrm	hypo	CG	-0.619
Gm02	16738407	16738685	Gmdrm	hypo	CG	-0.0529
Gm02	16860090	16860233	Gmdrm	hypo	CG	-0.0975
Gm02	16915787	16916624	Gmdrm	hypo	CG	-0.1487
Gm02	16983206	16983366	Gmdrm	hypo	CG	-0.074
Gm02	16983532	16983675	Gmdrm	hypo	CG	-0.554
Gm02	16992504	16992750	Gmdrm	hypo	CG	-0.72
Gm02	17053976	17054338	Gmdrm	hypo	CG	-0.0947
Gm02	17066244	17066471	Gmdrm	hypo	CG	-0.0967
Gm02	17076102	17077083	Gmdrm	hypo	CG	-0.0291
Gm02	17113809	17113816	Gmdrm	hypo	CG	-0.2917
Gm02	17114137	17114402	Gmdrm	hypo	CG	-0.9058
Gm02	17114509	17114613	Gmdrm	hypo	CG	-0.7633
Gm02	17115627	17115992	Gmdrm	hypo	CG	-0.4936
Gm02	17204980	17205092	Gmdrm	hypo	CG	-0.2656
Gm02	17240701	17240764	Gmdrm	hypo	CG	-0.4034
Gm02	17280655	17280821	Gmdrm	hypo	CG	-0.7438
Gm02	17303994	17304083	Gmdrm	hypo	CG	-0.0613
Gm02	17342398	17342467	Gmdrm	hypo	CG	-0.1667
Gm02	17351471	17351576	Gmdrm	hypo	CG	-0.3667
Gm02	17400127	17401097	Gmdrm	hypo	CG	-0.039
Gm02	17420553	17420745	Gmdrm	hypo	CG	-0.7647
Gm02	17420895	17421046	Gmdrm	hypo	CG	-0.6283
Gm02	17421599	17421623	Gmdrm	hypo	CG	-0.07
Gm02	17429124	17429249	Gmdrm	hypo	CG	-0.7913
Gm02	17429836	17430079	Gmdrm	hypo	CG	-0.8408

Gm02	17481598	17481704	Gmdrm	hypo	CG	-0.2868
Gm02	17482204	17482289	Gmdrm	hypo	CG	-0.92
Gm02	17508656	17509243	Gmdrm	hypo	CG	-0.0289
Gm02	17570690	17570807	Gmdrm	hypo	CG	-0.0667
Gm02	17577674	17577874	Gmdrm	hypo	CG	-0.0865
Gm02	17749495	17749861	Gmdrm	hypo	CG	-0.0642
Gm02	17757570	17757852	Gmdrm	hypo	CG	-0.094
Gm02	17818689	17818839	Gmdrm	hypo	CG	-0.155
Gm02	17860441	17860906	Gmdrm	hypo	CG	-0.0303
Gm02	17929705	17929930	Gmdrm	hypo	CG	-0.0423
Gm02	17983051	17983617	Gmdrm	hypo	CG	-0.0358
Gm02	18071312	18071395	Gmdrm	hypo	CG	-0.4876
Gm02	18072122	18072422	Gmdrm	hypo	CG	-0.7436
Gm02	18092091	18092311	Gmdrm	hypo	CG	-0.0469
Gm02	18176005	18176105	Gmdrm	hypo	CG	-0.2662
Gm02	18178425	18178522	Gmdrm	hypo	CG	-0.6533
Gm02	18231769	18232189	Gmdrm	hypo	CG	-0.85
Gm02	18235734	18235910	Gmdrm	hypo	CG	-0.0888
Gm02	18412440	18412819	Gmdrm	hypo	CG	-0.0519
Gm02	18487471	18487518	Gmdrm	hypo	CG	-0.0937
Gm02	18502475	18502985	Gmdrm	hypo	CG	-0.0392
Gm02	18510156	18510282	Gmdrm	hypo	CG	-0.33
Gm02	18510450	18510525	Gmdrm	hypo	CG	-0.82
Gm02	18531649	18531717	Gmdrm	hypo	CG	-0.1533
Gm02	18702668	18702711	Gmdrm	hypo	CG	-0.112
Gm02	18756608	18757201	Gmdrm	hypo	CG	-0.0233
Gm02	18918712	18918916	Gmdrm	hypo	CG	-0.5583
Gm02	18971946	18972083	Gmdrm	hypo	CG	-0.825
Gm02	19099935	19099996	Gmdrm	hypo	CG	-0.4013
Gm02	19143675	19144035	Gmdrm	hypo	CG	-0.0385
Gm02	19147102	19147231	Gmdrm	hypo	CG	-0.815
Gm02	19148493	19149084	Gmdrm	hypo	CG	-0.6447
Gm02	19149278	19149382	Gmdrm	hypo	CG	-0.906
Gm02	19333308	19333375	Gmdrm	hypo	CG	-0.148
Gm02	19380079	19380849	Gmdrm	hypo	CG	-0.0377
Gm02	19399619	19399943	Gmdrm	hypo	CG	-0.0596
Gm02	19410904	19410979	Gmdrm	hypo	CG	-0.1678
Gm02	19512275	19512336	Gmdrm	hypo	CG	-0.09
Gm02	19524068	19524099	Gmdrm	hypo	CG	-0.0467
Gm02	19573945	19574340	Gmdrm	hypo	CG	-0.0559
Gm02	19578722	19579222	Gmdrm	hypo	CG	-0.067
Gm02	19646541	19647131	Gmdrm	hypo	CG	-0.0324
Gm02	19654940	19654960	Gmdrm	hypo	CG	-0.06
Gm02	19706779	19706978	Gmdrm	hypo	CG	-0.0615
Gm02	19855627	19855891	Gmdrm	hypo	CG	-0.1175
Gm02	19862019	19862287	Gmdrm	hypo	CG	-0.0563

Gm02	19923181	19923668	Gmdrm	hypo	CG	-0.0735
Gm02	20056412	20056749	Gmdrm	hypo	CG	-0.0811
Gm02	20060916	20061217	Gmdrm	hypo	CG	-0.2488
Gm02	20090618	20090812	Gmdrm	hypo	CG	-0.1457
Gm02	20101286	20101999	Gmdrm	hypo	CG	-0.056
Gm02	20127750	20127839	Gmdrm	hypo	CG	-0.132
Gm02	20210201	20210332	Gmdrm	hypo	CG	-0.148
Gm02	20418999	20419068	Gmdrm	hypo	CG	-0.08
Gm02	20429848	20430096	Gmdrm	hypo	CG	-0.0654
Gm02	20531149	20531291	Gmdrm	hypo	CG	-0.082
Gm02	20579734	20579825	Gmdrm	hypo	CG	-0.225
Gm02	20591695	20592434	Gmdrm	hypo	CG	-0.0588
Gm02	20771674	20771976	Gmdrm	hypo	CG	-0.08
Gm02	20798188	20798326	Gmdrm	hypo	CG	-0.13
Gm02	20854424	20855407	Gmdrm	hypo	CG	-0.0269
Gm02	20997587	20998472	Gmdrm	hypo	CG	-0.0297
Gm02	21120295	21121294	Gmdrm	hypo	CG	-0.0176
Gm02	21189486	21189700	Gmdrm	hypo	CG	-0.0736
Gm02	21341163	21342151	Gmdrm	hypo	CG	-0.0394
Gm02	21376269	21377168	Gmdrm	hypo	CG	-0.0333
Gm02	21457199	21457343	Gmdrm	hypo	CG	-0.0788
Gm02	21463987	21464228	Gmdrm	hypo	CG	-0.1272
Gm02	21465325	21465391	Gmdrm	hypo	CG	-0.0858
Gm02	21465499	21465574	Gmdrm	hypo	CG	-0.131
Gm02	21513490	21514021	Gmdrm	hypo	CG	-0.0383
Gm02	21547244	21547622	Gmdrm	hypo	CG	-0.0729
Gm02	21564700	21565122	Gmdrm	hypo	CG	-0.0812
Gm02	21602571	21602714	Gmdrm	hypo	CG	-0.243
Gm02	21686171	21686667	Gmdrm	hypo	CG	-0.0298
Gm02	21722961	21723119	Gmdrm	hypo	CG	-0.0722
Gm02	21741340	21742008	Gmdrm	hypo	CG	-0.0367
Gm02	21746469	21746561	Gmdrm	hypo	CG	-0.1472
Gm02	21747742	21748009	Gmdrm	hypo	CG	-0.1111
Gm02	21748916	21749915	Gmdrm	hypo	CG	-0.0365
Gm02	21815174	21815607	Gmdrm	hypo	CG	-0.061
Gm02	21891895	21892065	Gmdrm	hypo	CG	-0.1047
Gm02	21911070	21911234	Gmdrm	hypo	CG	-0.055
Gm02	21997590	21997803	Gmdrm	hypo	CG	-0.0292
Gm02	22003516	22003578	Gmdrm	hypo	CG	-0.1962
Gm02	22020889	22021136	Gmdrm	hypo	CG	-0.0567
Gm02	22035809	22036110	Gmdrm	hypo	CG	-0.0525
Gm02	22099580	22099714	Gmdrm	hypo	CG	-0.0622
Gm02	22228527	22229000	Gmdrm	hypo	CG	-0.0477
Gm02	22294982	22295330	Gmdrm	hypo	CG	-0.0591
Gm02	22427824	22428042	Gmdrm	hypo	CG	-0.0339
Gm02	22442661	22442776	Gmdrm	hypo	CG	-0.8634

Gm02	22446685	22446938	Gmdrm	hypo	CG	-0.0475
Gm02	22455120	22455411	Gmdrm	hypo	CG	-0.9567
Gm02	22457246	22457462	Gmdrm	hypo	CG	-0.3013
Gm02	22479184	22480118	Gmdrm	hypo	CG	-0.0482
Gm02	22557381	22557490	Gmdrm	hypo	CG	-0.16
Gm02	22613763	22614000	Gmdrm	hypo	CG	-0.108
Gm02	22717575	22717799	Gmdrm	hypo	CG	-0.0692
Gm02	22738220	22738442	Gmdrm	hypo	CG	-0.083
Gm02	22743305	22743337	Gmdrm	hypo	CG	-0.065
Gm02	22853203	22853423	Gmdrm	hypo	CG	-0.3337
Gm02	22900870	22901000	Gmdrm	hypo	CG	-0.0657
Gm02	22912767	22913006	Gmdrm	hypo	CG	-0.045
Gm02	22920649	22920873	Gmdrm	hypo	CG	-0.0817
Gm02	23014141	23014384	Gmdrm	hypo	CG	-0.1767
Gm02	23057383	23057824	Gmdrm	hypo	CG	-0.0394
Gm02	23079402	23079594	Gmdrm	hypo	CG	-0.0459
Gm02	23191522	23191767	Gmdrm	hypo	CG	-0.6543
Gm02	23252648	23252879	Gmdrm	hypo	CG	-0.054
Gm02	23395116	23395647	Gmdrm	hypo	CG	-0.0515
Gm02	23406501	23406597	Gmdrm	hypo	CG	-0.166
Gm02	23550494	23550691	Gmdrm	hypo	CG	-0.0463
Gm02	23557383	23557883	Gmdrm	hypo	CG	-0.0407
Gm02	23574182	23574785	Gmdrm	hypo	CG	-0.0613
Gm02	23596459	23597137	Gmdrm	hypo	CG	-0.1523
Gm02	23601612	23601669	Gmdrm	hypo	CG	-0.895
Gm02	23823831	23824368	Gmdrm	hypo	CG	-0.0298
Gm02	23917604	23917870	Gmdrm	hypo	CG	-0.07
Gm02	24067926	24068064	Gmdrm	hypo	CG	-0.7488
Gm02	24119587	24119632	Gmdrm	hypo	CG	-0.2
Gm02	24161265	24162003	Gmdrm	hypo	CG	-0.0425
Gm02	24271314	24271622	Gmdrm	hypo	CG	-0.0591
Gm02	24329669	24329973	Gmdrm	hypo	CG	-0.0329
Gm02	24332924	24333481	Gmdrm	hypo	CG	-0.04
Gm02	24364956	24365016	Gmdrm	hypo	CG	-0.1625
Gm02	24477636	24477783	Gmdrm	hypo	CG	-0.0532
Gm02	24637433	24637567	Gmdrm	hypo	CG	-0.0508
Gm02	24766839	24767631	Gmdrm	hypo	CG	-0.0319
Gm02	24771423	24771773	Gmdrm	hypo	CG	-0.0567
Gm02	24796571	24797532	Gmdrm	hypo	CG	-0.0267
Gm02	24879496	24879664	Gmdrm	hypo	CG	-0.0914
Gm02	24933290	24933491	Gmdrm	hypo	CG	-0.091
Gm02	24990115	24990319	Gmdrm	hypo	CG	-0.04
Gm02	25015128	25015359	Gmdrm	hypo	CG	-0.0567
Gm02	25019712	25020037	Gmdrm	hypo	CG	-0.0544
Gm02	25031925	25032489	Gmdrm	hypo	CG	-0.0335
Gm02	25159959	25160199	Gmdrm	hypo	CG	-0.054

Gm02	25188714	25188943	Gmdrm	hypo	CG	-0.0409
Gm02	25229828	25230822	Gmdrm	hypo	CG	-0.0764
Gm02	25282531	25283161	Gmdrm	hypo	CG	-0.0228
Gm02	25336128	25336662	Gmdrm	hypo	CG	-0.0394
Gm02	25363775	25363883	Gmdrm	hypo	CG	-0.142
Gm02	25434569	25434645	Gmdrm	hypo	CG	-0.266
Gm02	25440239	25440580	Gmdrm	hypo	CG	-0.036
Gm02	25445205	25445318	Gmdrm	hypo	CG	-0.0962
Gm02	25537710	25537973	Gmdrm	hypo	CG	-0.0969
Gm02	25579265	25579348	Gmdrm	hypo	CG	-0.08
Gm02	25690854	25691148	Gmdrm	hypo	CG	-0.0257
Gm02	25746368	25746418	Gmdrm	hypo	CG	-0.287
Gm02	25809239	25809258	Gmdrm	hypo	CG	-0.0417
Gm02	25823909	25824322	Gmdrm	hypo	CG	-0.0669
Gm02	25836267	25836360	Gmdrm	hypo	CG	-0.0925
Gm02	26161099	26161152	Gmdrm	hypo	CG	-0.1317
Gm02	26255122	26255343	Gmdrm	hypo	CG	-0.0326
Gm02	26279979	26280106	Gmdrm	hypo	CG	-0.1625
Gm02	26309622	26309663	Gmdrm	hypo	CG	-0.206
Gm02	26312228	26312419	Gmdrm	hypo	CG	-0.0784
Gm02	26322893	26323179	Gmdrm	hypo	CG	-0.0338
Gm02	26427124	26427241	Gmdrm	hypo	CG	-0.3217
Gm02	26450192	26450267	Gmdrm	hypo	CG	-0.1771
Gm02	26581794	26582103	Gmdrm	hypo	CG	-0.0578
Gm02	26998692	26998945	Gmdrm	hypo	CG	-0.05
Gm02	27025370	27025617	Gmdrm	hypo	CG	-0.8425
Gm02	27165208	27165349	Gmdrm	hypo	CG	-0.746
Gm02	27167802	27167954	Gmdrm	hypo	CG	-0.8499
Gm02	27168069	27168193	Gmdrm	hypo	CG	-0.851
Gm02	27170510	27170607	Gmdrm	hypo	CG	-0.652
Gm02	27197713	27197939	Gmdrm	hypo	CG	-0.0367
Gm02	27200243	27200492	Gmdrm	hypo	CG	-0.3395
Gm02	27200707	27200811	Gmdrm	hypo	CG	-0.6387
Gm02	27201637	27201862	Gmdrm	hypo	CG	-0.5217
Gm02	27202070	27202181	Gmdrm	hypo	CG	-0.1706
Gm02	27203232	27203557	Gmdrm	hypo	CG	-0.071
Gm02	27203840	27203880	Gmdrm	hypo	CG	-0.9283
Gm02	27279840	27279916	Gmdrm	hypo	CG	-0.142
Gm02	27349412	27349541	Gmdrm	hypo	CG	-0.7917
Gm02	27361916	27362213	Gmdrm	hypo	CG	-0.0578
Gm02	27405323	27405559	Gmdrm	hypo	CG	-0.9645
Gm02	27410749	27410899	Gmdrm	hypo	CG	-0.9367
Gm02	27455131	27455219	Gmdrm	hypo	CG	-0.112
Gm02	27575122	27575420	Gmdrm	hypo	CG	-0.08
Gm02	27595624	27595968	Gmdrm	hypo	CG	-0.4637
Gm02	27687955	27688012	Gmdrm	hypo	CG	-0.06

Gm02	27701196	27701600	Gmdrm	hypo	CG	-0.0365
Gm02	27707326	27707344	Gmdrm	hypo	CG	-1
Gm02	27707871	27707889	Gmdrm	hypo	CG	-0.942
Gm02	27766684	27766830	Gmdrm	hypo	CG	-0.6363
Gm02	27781464	27782357	Gmdrm	hypo	CG	-0.0186
Gm02	27822652	27822825	Gmdrm	hypo	CG	-0.091
Gm02	27829765	27829825	Gmdrm	hypo	CG	-0.4383
Gm02	27841900	27842309	Gmdrm	hypo	CG	-0.0354
Gm02	27861550	27861691	Gmdrm	hypo	CG	-0.61
Gm02	27879448	27879473	Gmdrm	hypo	CG	-0.5467
Gm02	27880033	27880331	Gmdrm	hypo	CG	-0.974
Gm02	27896805	27896920	Gmdrm	hypo	CG	-0.9433
Gm02	27916928	27917268	Gmdrm	hypo	CG	-0.0227
Gm02	27918704	27918788	Gmdrm	hypo	CG	-0.09
Gm02	27943695	27943778	Gmdrm	hypo	CG	-0.075
Gm02	27951901	27952193	Gmdrm	hypo	CG	-0.71
Gm02	27979230	27979283	Gmdrm	hypo	CG	-0.3267
Gm02	27985165	27985417	Gmdrm	hypo	CG	-0.2114
Gm02	27990800	27990877	Gmdrm	hypo	CG	-0.515
Gm02	27991157	27991322	Gmdrm	hypo	CG	-0.6783
Gm02	27996574	27996711	Gmdrm	hypo	CG	-0.1725
Gm02	28027840	28028030	Gmdrm	hypo	CG	-0.7342
Gm02	28034538	28034607	Gmdrm	hypo	CG	-0.8116
Gm02	28057372	28057706	Gmdrm	hypo	CG	-0.492
Gm02	28074430	28074485	Gmdrm	hypo	CG	-0.4784
Gm02	28075940	28076109	Gmdrm	hypo	CG	-0.252
Gm02	28105168	28105318	Gmdrm	hypo	CG	-0.122
Gm02	28133749	28133764	Gmdrm	hypo	CG	-0.0817
Gm02	28134743	28134954	Gmdrm	hypo	CG	-0.139
Gm02	28144615	28144832	Gmdrm	hypo	CG	-0.0745
Gm02	28178159	28178525	Gmdrm	hypo	CG	-0.5922
Gm02	28296243	28296312	Gmdrm	hypo	CG	-0.8413
Gm02	28296489	28296762	Gmdrm	hypo	CG	-0.6808
Gm02	28316219	28316436	Gmdrm	hypo	CG	-0.4664
Gm02	28322183	28322281	Gmdrm	hypo	CG	-0.95
Gm02	28365016	28365160	Gmdrm	hypo	CG	-0.8491
Gm02	28565060	28565939	Gmdrm	hypo	CG	-0.0393
Gm02	28607223	28607549	Gmdrm	hypo	CG	-0.154
Gm02	28608573	28608758	Gmdrm	hypo	CG	-0.45
Gm02	28656764	28657742	Gmdrm	hypo	CG	-0.0587
Gm02	28680127	28680411	Gmdrm	hypo	CG	-0.348
Gm02	28698627	28698678	Gmdrm	hypo	CG	-0.2367
Gm02	28705791	28706161	Gmdrm	hypo	CG	-0.4391
Gm02	28706929	28707073	Gmdrm	hypo	CG	-0.07
Gm02	28716312	28716402	Gmdrm	hypo	CG	-0.4433
Gm02	28720393	28721003	Gmdrm	hypo	CG	-0.0281

Gm02	28757618	28757773	Gmdrm	hypo	CG	-0.0577
Gm02	28759518	28759692	Gmdrm	hypo	CG	-0.0857
Gm02	28760599	28760768	Gmdrm	hypo	CG	-0.6146
Gm02	28779213	28779460	Gmdrm	hypo	CG	-0.0561
Gm02	28796376	28796402	Gmdrm	hypo	CG	-0.0637
Gm02	28807031	28807351	Gmdrm	hypo	CG	-0.5875
Gm02	28811572	28811675	Gmdrm	hypo	CG	-0.4933
Gm02	28831105	28831202	Gmdrm	hypo	CG	-0.35
Gm02	28834789	28834893	Gmdrm	hypo	CG	-0.195
Gm02	28847663	28847880	Gmdrm	hypo	CG	-0.7967
Gm02	28851773	28852035	Gmdrm	hypo	CG	-0.2462
Gm02	28877423	28877829	Gmdrm	hypo	CG	-0.5645
Gm02	28911908	28912056	Gmdrm	hypo	CG	-0.12
Gm02	28986165	28986254	Gmdrm	hypo	CG	-0.036
Gm02	29039111	29040060	Gmdrm	hypo	CG	-0.03
Gm02	29129414	29129590	Gmdrm	hypo	CG	-0.745
Gm02	29130287	29130388	Gmdrm	hypo	CG	-0.87
Gm02	29133702	29133845	Gmdrm	hypo	CG	-0.8415
Gm02	29133952	29134000	Gmdrm	hypo	CG	-0.3475
Gm02	29224064	29224888	Gmdrm	hypo	CG	-0.1571
Gm02	29232380	29232496	Gmdrm	hypo	CG	-0.795
Gm02	29232669	29233087	Gmdrm	hypo	CG	-0.3685
Gm02	29277393	29277448	Gmdrm	hypo	CG	-0.8633
Gm02	29289009	29289286	Gmdrm	hypo	CG	-0.213
Gm02	29314936	29315089	Gmdrm	hypo	CG	-0.2671
Gm02	29318298	29318641	Gmdrm	hypo	CG	-0.0364
Gm02	29330859	29331752	Gmdrm	hypo	CG	-0.0285
Gm02	29350519	29350615	Gmdrm	hypo	CG	-0.5817
Gm02	29360112	29360151	Gmdrm	hypo	CG	-0.8917
Gm02	29366014	29366072	Gmdrm	hypo	CG	-0.8337
Gm02	29475999	29476134	Gmdrm	hypo	CG	-0.155
Gm02	29477791	29477937	Gmdrm	hypo	CG	-0.6611
Gm02	29505741	29505878	Gmdrm	hypo	CG	-0.0926
Gm02	29519362	29519648	Gmdrm	hypo	CG	-0.4677
Gm02	29534049	29534241	Gmdrm	hypo	CG	-0.7275
Gm02	29599030	29599103	Gmdrm	hypo	CG	-0.1163
Gm02	29610744	29610896	Gmdrm	hypo	CG	-0.343
Gm02	29668775	29668902	Gmdrm	hypo	CG	-0.185
Gm02	29676655	29676875	Gmdrm	hypo	CG	-0.146
Gm02	29694988	29695107	Gmdrm	hypo	CG	-0.868
Gm02	29695817	29695894	Gmdrm	hypo	CG	-0.754
Gm02	29696774	29697030	Gmdrm	hypo	CG	-0.1565
Gm02	29726200	29726324	Gmdrm	hypo	CG	-0.0366
Gm02	29758935	29758991	Gmdrm	hypo	CG	-0.0767
Gm02	29789257	29789465	Gmdrm	hypo	CG	-0.082
Gm02	29791383	29791574	Gmdrm	hypo	CG	-0.424

Gm02	29821553	29821943	Gmdrm	hypo	CG	-0.0633
Gm02	29830880	29831088	Gmdrm	hypo	CG	-0.1055
Gm02	29835024	29835344	Gmdrm	hypo	CG	-0.2194
Gm02	29870585	29871342	Gmdrm	hypo	CG	-0.082
Gm02	29917642	29917891	Gmdrm	hypo	CG	-0.06
Gm02	29933383	29933431	Gmdrm	hypo	CG	-0.6838
Gm02	29939216	29939322	Gmdrm	hypo	CG	-0.7717
Gm02	29979546	29980129	Gmdrm	hypo	CG	-0.032
Gm02	29989349	29990000	Gmdrm	hypo	CG	-0.0452
Gm02	29992068	29992205	Gmdrm	hypo	CG	-0.2742
Gm02	30037220	30037472	Gmdrm	hypo	CG	-0.503
Gm02	30039772	30040157	Gmdrm	hypo	CG	-0.6358
Gm02	30045706	30046070	Gmdrm	hypo	CG	-0.0962
Gm02	30049015	30049078	Gmdrm	hypo	CG	-0.6699
Gm02	30064552	30064655	Gmdrm	hypo	CG	-0.2984
Gm02	30072837	30072882	Gmdrm	hypo	CG	-0.1233
Gm02	30160575	30160724	Gmdrm	hypo	CG	-0.1083
Gm02	30166478	30166560	Gmdrm	hypo	CG	-0.83
Gm02	30166745	30166859	Gmdrm	hypo	CG	-0.665
Gm02	30167974	30168093	Gmdrm	hypo	CG	-0.825
Gm02	30168361	30168506	Gmdrm	hypo	CG	-0.7283
Gm02	30168962	30169088	Gmdrm	hypo	CG	-0.8725
Gm02	30169365	30169481	Gmdrm	hypo	CG	-0.84
Gm02	30180756	30181128	Gmdrm	hypo	CG	-0.0482
Gm02	30288145	30288373	Gmdrm	hypo	CG	-0.0424
Gm02	30318191	30318302	Gmdrm	hypo	CG	-0.1086
Gm02	30377919	30378294	Gmdrm	hypo	CG	-0.5805
Gm02	30407615	30407762	Gmdrm	hypo	CG	-0.4799
Gm02	30409274	30409417	Gmdrm	hypo	CG	-0.244
Gm02	30514510	30514729	Gmdrm	hypo	CG	-0.0664
Gm02	30569102	30569274	Gmdrm	hypo	CG	-0.085
Gm02	30591454	30591662	Gmdrm	hypo	CG	-0.4284
Gm02	30592063	30592312	Gmdrm	hypo	CG	-0.252
Gm02	30609901	30609916	Gmdrm	hypo	CG	-0.0833
Gm02	30617040	30617171	Gmdrm	hypo	CG	-0.5511
Gm02	30650627	30650871	Gmdrm	hypo	CG	-0.0764
Gm02	30666765	30667440	Gmdrm	hypo	CG	-0.0246
Gm02	30675305	30675495	Gmdrm	hypo	CG	-0.061
Gm02	30694009	30694346	Gmdrm	hypo	CG	-0.7694
Gm02	30752704	30752995	Gmdrm	hypo	CG	-0.0339
Gm02	30782645	30782845	Gmdrm	hypo	CG	-0.0533
Gm02	30795542	30795584	Gmdrm	hypo	CG	-0.278
Gm02	30815550	30815808	Gmdrm	hypo	CG	-0.0508
Gm02	30857927	30858431	Gmdrm	hypo	CG	-0.1796
Gm02	30858680	30858786	Gmdrm	hypo	CG	-0.3667
Gm02	30877861	30878353	Gmdrm	hypo	CG	-0.235

Gm02	30908121	30908700	Gmdrm	hypo	CG	-0.4745
Gm02	30929337	30929610	Gmdrm	hypo	CG	-0.0327
Gm02	30982014	30982258	Gmdrm	hypo	CG	-0.057
Gm02	31091179	31091394	Gmdrm	hypo	CG	-0.0565
Gm02	31099340	31099607	Gmdrm	hypo	CG	-0.0707
Gm02	31132943	31133066	Gmdrm	hypo	CG	-0.9525
Gm02	31141584	31141613	Gmdrm	hypo	CG	-0.1937
Gm02	31174204	31174796	Gmdrm	hypo	CG	-0.0357
Gm02	31186385	31186545	Gmdrm	hypo	CG	-0.5185
Gm02	31192323	31192480	Gmdrm	hypo	CG	-0.9412
Gm02	31203881	31204043	Gmdrm	hypo	CG	-0.7759
Gm02	31206010	31206214	Gmdrm	hypo	CG	-0.6959
Gm02	31287053	31287243	Gmdrm	hypo	CG	-0.0533
Gm02	31334089	31334113	Gmdrm	hypo	CG	-0.4333
Gm02	31334281	31334442	Gmdrm	hypo	CG	-0.3865
Gm02	31334631	31334749	Gmdrm	hypo	CG	-0.66
Gm02	31374378	31374667	Gmdrm	hypo	CG	-0.04
Gm02	31401862	31402018	Gmdrm	hypo	CG	-0.1014
Gm02	31433353	31433405	Gmdrm	hypo	CG	-0.95
Gm02	31508944	31509249	Gmdrm	hypo	CG	-0.7125
Gm02	31510286	31510407	Gmdrm	hypo	CG	-0.4866
Gm02	31514850	31515356	Gmdrm	hypo	CG	-0.0539
Gm02	31530404	31530549	Gmdrm	hypo	CG	-0.838
Gm02	31590693	31590884	Gmdrm	hypo	CG	-0.0543
Gm02	31611571	31611824	Gmdrm	hypo	CG	-0.0361
Gm02	31644204	31644261	Gmdrm	hypo	CG	-0.29
Gm02	31664336	31664442	Gmdrm	hypo	CG	-0.1138
Gm02	31671103	31672034	Gmdrm	hypo	CG	-0.0287
Gm02	31701531	31701598	Gmdrm	hypo	CG	-0.8933
Gm02	31703455	31703473	Gmdrm	hypo	CG	-0.2267
Gm02	31715379	31715546	Gmdrm	hypo	CG	-0.05
Gm02	31726216	31726391	Gmdrm	hypo	CG	-0.21
Gm02	31780439	31780480	Gmdrm	hypo	CG	-0.0662
Gm02	31838286	31838467	Gmdrm	hypo	CG	-0.298
Gm02	31868995	31869064	Gmdrm	hypo	CG	-0.132
Gm02	31900051	31900162	Gmdrm	hypo	CG	-0.0657
Gm02	31910908	31911026	Gmdrm	hypo	CG	-0.32
Gm02	31924623	31924768	Gmdrm	hypo	CG	-0.8167
Gm02	31924877	31925116	Gmdrm	hypo	CG	-0.6863
Gm02	31939745	31939775	Gmdrm	hypo	CG	-0.0363
Gm02	31967026	31967098	Gmdrm	hypo	CG	-0.365
Gm02	31993526	31993557	Gmdrm	hypo	CG	-0.9933
Gm02	31995866	31996059	Gmdrm	hypo	CG	-0.4743
Gm02	32002819	32003019	Gmdrm	hypo	CG	-0.3027
Gm02	32009657	32009845	Gmdrm	hypo	CG	-0.324
Gm02	32045901	32045992	Gmdrm	hypo	CG	-0.5217

Gm02	32105144	32105464	Gmdrm	hypo	CG	-0.5737
Gm02	32209915	32209949	Gmdrm	hypo	CG	-0.098
Gm02	32218785	32219013	Gmdrm	hypo	CG	-0.106
Gm02	32225635	32225717	Gmdrm	hypo	CG	-0.05
Gm02	32229067	32229518	Gmdrm	hypo	CG	-0.2726
Gm02	32258230	32258611	Gmdrm	hypo	CG	-0.058
Gm02	32290052	32290209	Gmdrm	hypo	CG	-0.3117
Gm02	32291916	32291938	Gmdrm	hypo	CG	-0.4617
Gm02	32301395	32301606	Gmdrm	hypo	CG	-0.08
Gm02	32378433	32378658	Gmdrm	hypo	CG	-0.0341
Gm02	32387135	32387196	Gmdrm	hypo	CG	-0.1267
Gm02	32409733	32409917	Gmdrm	hypo	CG	-0.068
Gm02	32432148	32432382	Gmdrm	hypo	CG	-0.053
Gm02	32442092	32442434	Gmdrm	hypo	CG	-0.118
Gm02	32450225	32450397	Gmdrm	hypo	CG	-0.7025
Gm02	32453634	32453657	Gmdrm	hypo	CG	-0.8883
Gm02	32460596	32460630	Gmdrm	hypo	CG	-0.7333
Gm02	32504818	32505174	Gmdrm	hypo	CG	-0.1348
Gm02	32553146	32553330	Gmdrm	hypo	CG	-0.106
Gm02	32577912	32578141	Gmdrm	hypo	CG	-0.0352
Gm02	32578571	32578626	Gmdrm	hypo	CG	-0.0575
Gm02	32585834	32586041	Gmdrm	hypo	CG	-0.0464
Gm02	32586971	32587466	Gmdrm	hypo	CG	-0.0587
Gm02	32640308	32640522	Gmdrm	hypo	CG	-0.0986
Gm02	32665909	32666048	Gmdrm	hypo	CG	-0.5234
Gm02	32729574	32729788	Gmdrm	hypo	CG	-0.03
Gm02	32737684	32737796	Gmdrm	hypo	CG	-0.6017
Gm02	32760805	32760979	Gmdrm	hypo	CG	-0.6583
Gm02	32809615	32809753	Gmdrm	hypo	CG	-0.67
Gm02	32809864	32809964	Gmdrm	hypo	CG	-0.6633
Gm02	32817730	32817832	Gmdrm	hypo	CG	-0.7434
Gm02	32820319	32820594	Gmdrm	hypo	CG	-0.7914
Gm02	32832227	32832511	Gmdrm	hypo	CG	-0.0364
Gm02	32866723	32866857	Gmdrm	hypo	CG	-0.2638
Gm02	32887026	32887345	Gmdrm	hypo	CG	-0.9307
Gm02	32928634	32928764	Gmdrm	hypo	CG	-0.08
Gm02	32929292	32929451	Gmdrm	hypo	CG	-0.572
Gm02	32936427	32936512	Gmdrm	hypo	CG	-0.9717
Gm02	32936637	32936948	Gmdrm	hypo	CG	-0.8671
Gm02	32938281	32938322	Gmdrm	hypo	CG	-0.04
Gm02	32948510	32948600	Gmdrm	hypo	CG	-0.8816
Gm02	32997581	32997804	Gmdrm	hypo	CG	-0.9789
Gm02	32997952	32998092	Gmdrm	hypo	CG	-0.7657
Gm02	32998477	32998587	Gmdrm	hypo	CG	-0.2438
Gm02	32999150	32999399	Gmdrm	hypo	CG	-0.4525
Gm02	33000362	33000456	Gmdrm	hypo	CG	-0.303

Gm02	33003565	33003819	Gmdrm	hypo	CG	-0.6486
Gm02	33005265	33005558	Gmdrm	hypo	CG	-0.2071
Gm02	33006064	33006140	Gmdrm	hypo	CG	-0.6125
Gm02	33006578	33006683	Gmdrm	hypo	CG	-0.933
Gm02	33006993	33007144	Gmdrm	hypo	CG	-0.8533
Gm02	33014240	33014463	Gmdrm	hypo	CG	-0.0992
Gm02	33021019	33021286	Gmdrm	hypo	CG	-0.4908
Gm02	33023475	33023628	Gmdrm	hypo	CG	-0.6111
Gm02	33076071	33076137	Gmdrm	hypo	CG	-0.76
Gm02	33086578	33086819	Gmdrm	hypo	CG	-0.6992
Gm02	33097196	33097340	Gmdrm	hypo	CG	-0.4321
Gm02	33109855	33110195	Gmdrm	hypo	CG	-0.0522
Gm02	33166457	33166830	Gmdrm	hypo	CG	-0.0695
Gm02	33189767	33189822	Gmdrm	hypo	CG	-0.0313
Gm02	33200828	33200979	Gmdrm	hypo	CG	-0.0788
Gm02	33222772	33223397	Gmdrm	hypo	CG	-0.0347
Gm02	33250741	33250787	Gmdrm	hypo	CG	-0.2533
Gm02	33251115	33251259	Gmdrm	hypo	CG	-0.74
Gm02	33322408	33322536	Gmdrm	hypo	CG	-0.0988
Gm02	33328029	33328201	Gmdrm	hypo	CG	-0.1105
Gm02	33384873	33384946	Gmdrm	hypo	CG	-0.8366
Gm02	33521483	33521966	Gmdrm	hypo	CG	-0.1074
Gm02	33527984	33528248	Gmdrm	hypo	CG	-0.0742
Gm02	33550276	33550447	Gmdrm	hypo	CG	-0.5463
Gm02	33597538	33597636	Gmdrm	hypo	CG	-0.116
Gm02	33615972	33616196	Gmdrm	hypo	CG	-0.0413
Gm02	33634242	33635163	Gmdrm	hypo	CG	-0.038
Gm02	33676240	33676257	Gmdrm	hypo	CG	-0.0367
Gm02	33706871	33707050	Gmdrm	hypo	CG	-0.1058
Gm02	33843319	33843923	Gmdrm	hypo	CG	-0.138
Gm02	33844692	33844717	Gmdrm	hypo	CG	-0.17
Gm02	33866054	33866379	Gmdrm	hypo	CG	-0.0575
Gm02	33943488	33943879	Gmdrm	hypo	CG	-0.1345
Gm02	33945294	33945400	Gmdrm	hypo	CG	-0.0325
Gm02	33966277	33966582	Gmdrm	hypo	CG	-0.7482
Gm02	33974687	33974853	Gmdrm	hypo	CG	-0.04
Gm02	33992284	33992869	Gmdrm	hypo	CG	-0.0335
Gm02	34028699	34028854	Gmdrm	hypo	CG	-0.0717
Gm02	34031724	34031892	Gmdrm	hypo	CG	-0.1008
Gm02	34043242	34043478	Gmdrm	hypo	CG	-0.326
Gm02	34062401	34062583	Gmdrm	hypo	CG	-0.1141
Gm02	34090617	34090685	Gmdrm	hypo	CG	-0.655
Gm02	34128838	34128885	Gmdrm	hypo	CG	-0.0583
Gm02	34159031	34159393	Gmdrm	hypo	CG	-0.8138
Gm02	34196776	34196951	Gmdrm	hypo	CG	-0.0508
Gm02	34221665	34221702	Gmdrm	hypo	CG	-0.02

Gm02	34291082	34291272	Gmdrm	hypo	CG	-0.3
Gm02	34299801	34299896	Gmdrm	hypo	CG	-0.0563
Gm02	34300022	34300314	Gmdrm	hypo	CG	-0.0348
Gm02	34409624	34409717	Gmdrm	hypo	CG	-0.116
Gm02	34425043	34425165	Gmdrm	hypo	CG	-0.6072
Gm02	34447733	34447922	Gmdrm	hypo	CG	-0.1264
Gm02	34513848	34514381	Gmdrm	hypo	CG	-0.045
Gm02	34569812	34570228	Gmdrm	hypo	CG	-0.1647
Gm02	34613206	34613320	Gmdrm	hypo	CG	-0.6475
Gm02	34745145	34745343	Gmdrm	hypo	CG	-0.7333
Gm02	34745708	34745943	Gmdrm	hypo	CG	-0.7876
Gm02	34747813	34748037	Gmdrm	hypo	CG	-0.0616
Gm02	34818660	34818744	Gmdrm	hypo	CG	-0.2166
Gm02	34819855	34820188	Gmdrm	hypo	CG	-0.8711
Gm02	34874730	34874914	Gmdrm	hypo	CG	-0.0443
Gm02	34943727	34943812	Gmdrm	hypo	CG	-0.036
Gm02	35059477	35059612	Gmdrm	hypo	CG	-0.1243
Gm02	35127634	35127787	Gmdrm	hypo	CG	-0.0425
Gm02	35272324	35272390	Gmdrm	hypo	CG	-0.6117
Gm02	35272576	35272797	Gmdrm	hypo	CG	-0.1953
Gm02	35288027	35288184	Gmdrm	hypo	CG	-0.258
Gm02	35305732	35306041	Gmdrm	hypo	CG	-0.9291
Gm02	35308909	35309080	Gmdrm	hypo	CG	-0.43
Gm02	35311708	35311892	Gmdrm	hypo	CG	-0.7662
Gm02	35331010	35331222	Gmdrm	hypo	CG	-0.0614
Gm02	35349757	35349876	Gmdrm	hypo	CG	-0.1075
Gm02	35357642	35357746	Gmdrm	hypo	CG	-0.0375
Gm02	35422678	35422853	Gmdrm	hypo	CG	-0.0346
Gm02	35448477	35448596	Gmdrm	hypo	CG	-0.1184
Gm02	35506616	35507610	Gmdrm	hypo	CG	-0.0508
Gm02	35538956	35539799	Gmdrm	hypo	CG	-0.0302
Gm02	35599468	35599496	Gmdrm	hypo	CG	-0.066
Gm02	35624582	35624823	Gmdrm	hypo	CG	-0.4018
Gm02	35627173	35627462	Gmdrm	hypo	CG	-0.691
Gm02	35687849	35687989	Gmdrm	hypo	CG	-0.0975
Gm02	35691128	35692074	Gmdrm	hypo	CG	-0.0361
Gm02	35789636	35789802	Gmdrm	hypo	CG	-0.5275
Gm02	35825498	35825938	Gmdrm	hypo	CG	-0.0325
Gm02	35826064	35826077	Gmdrm	hypo	CG	-0.5417
Gm02	35847419	35847706	Gmdrm	hypo	CG	-0.4587
Gm02	35847962	35848063	Gmdrm	hypo	CG	-0.6633
Gm02	35865528	35865610	Gmdrm	hypo	CG	-0.175
Gm02	35866203	35866531	Gmdrm	hypo	CG	-0.4778
Gm02	35874944	35875070	Gmdrm	hypo	CG	-0.2283
Gm02	35961718	35961926	Gmdrm	hypo	CG	-0.0854
Gm02	36002371	36002566	Gmdrm	hypo	CG	-0.0754

Gm02	36011371	36011702 Gmdrm	hypo	CG	-0.0863
Gm02	36153360	36153481 Gmdrm	hypo	CG	-0.186
Gm02	36169325	36170191 Gmdrm	hypo	CG	-0.0374
Gm02	36193052	36193088 Gmdrm	hypo	CG	-0.4967
Gm02	36193255	36193398 Gmdrm	hypo	CG	-0.87
Gm02	36199836	36199945 Gmdrm	hypo	CG	-0.1867
Gm02	36233665	36234185 Gmdrm	hypo	CG	-0.0447
Gm02	36241686	36242666 Gmdrm	hypo	CG	-0.0353
Gm02	36248040	36248551 Gmdrm	hypo	CG	-0.0418
Gm02	36272149	36272670 Gmdrm	hypo	CG	-0.0571
Gm02	36446721	36446807 Gmdrm	hypo	CG	-0.535
Gm02	36520640	36521420 Gmdrm	hypo	CG	-0.0413
Gm02	36547293	36547620 Gmdrm	hypo	CG	-0.0825
Gm02	36565700	36565799 Gmdrm	hypo	CG	-0.0425
Gm02	36569132	36569576 Gmdrm	hypo	CG	-0.0458
Gm02	36575365	36575464 Gmdrm	hypo	CG	-0.2471
Gm02	36590190	36590604 Gmdrm	hypo	CG	-0.0536
Gm02	36593116	36593447 Gmdrm	hypo	CG	-0.7362
Gm02	36601311	36601506 Gmdrm	hypo	CG	-0.035
Gm02	36650385	36651376 Gmdrm	hypo	CG	-0.0306
Gm02	36720054	36720461 Gmdrm	hypo	CG	-0.1225
Gm02	36720562	36720664 Gmdrm	hypo	CG	-0.8787
Gm02	36722673	36723143 Gmdrm	hypo	CG	-0.3939
Gm02	36757989	36758354 Gmdrm	hypo	CG	-0.0357
Gm02	36826600	36827020 Gmdrm	hypo	CG	-0.0582
Gm02	36842161	36843133 Gmdrm	hypo	CG	-0.0397
Gm02	36854162	36854200 Gmdrm	hypo	CG	-0.3183
Gm02	36876072	36876348 Gmdrm	hypo	CG	-0.4636
Gm02	36897611	36898022 Gmdrm	hypo	CG	-0.05
Gm02	36902593	36902748 Gmdrm	hypo	CG	-0.6867
Gm02	36903831	36903968 Gmdrm	hypo	CG	-0.796
Gm02	37025692	37025823 Gmdrm	hypo	CG	-0.3966
Gm02	37149699	37149758 Gmdrm	hypo	CG	-0.4983
Gm02	37178837	37178937 Gmdrm	hypo	CG	-0.07
Gm02	37273547	37273829 Gmdrm	hypo	CG	-0.1434
Gm02	37348560	37348887 Gmdrm	hypo	CG	-0.0565
Gm02	37365402	37366389 Gmdrm	hypo	CG	-0.0257
Gm02	37404111	37404187 Gmdrm	hypo	CG	-0.1225
Gm02	37427218	37427260 Gmdrm	hypo	CG	-0.104
Gm02	37507574	37507708 Gmdrm	hypo	CG	-0.545
Gm02	37560212	37560361 Gmdrm	hypo	CG	-0.0829
Gm02	37574397	37574857 Gmdrm	hypo	CG	-0.0355
Gm02	37615713	37615832 Gmdrm	hypo	CG	-0.1584
Gm02	37632498	37632522 Gmdrm	hypo	CG	-0.4663
Gm02	37678627	37678798 Gmdrm	hypo	CG	-0.2162
Gm02	37729893	37729958 Gmdrm	hypo	CG	-0.1017

Gm02	37764295	37764495	Gmdrm	hypo	CG	-0.055
Gm02	37827308	37827333	Gmdrm	hypo	CG	-0.122
Gm02	37828255	37828357	Gmdrm	hypo	CG	-0.2466
Gm02	37865994	37866103	Gmdrm	hypo	CG	-0.116
Gm02	37891920	37892485	Gmdrm	hypo	CG	-0.0334
Gm02	37987797	37987870	Gmdrm	hypo	CG	-0.06
Gm02	38025354	38025660	Gmdrm	hypo	CG	-0.6367
Gm02	38059896	38059962	Gmdrm	hypo	CG	-0.7013
Gm02	38060443	38060470	Gmdrm	hypo	CG	-0.2033
Gm02	38171382	38171495	Gmdrm	hypo	CG	-0.74
Gm02	38171824	38172233	Gmdrm	hypo	CG	-0.6162
Gm02	38175517	38175597	Gmdrm	hypo	CG	-0.2566
Gm02	38189583	38189734	Gmdrm	hypo	CG	-0.0697
Gm02	38192363	38192395	Gmdrm	hypo	CG	-0.3867
Gm02	38194288	38194455	Gmdrm	hypo	CG	-0.2643
Gm02	38203483	38203503	Gmdrm	hypo	CG	-0.4684
Gm02	38242306	38242684	Gmdrm	hypo	CG	-0.0433
Gm02	38264539	38264734	Gmdrm	hypo	CG	-0.767
Gm02	38267144	38267542	Gmdrm	hypo	CG	-0.4234
Gm02	38268568	38268661	Gmdrm	hypo	CG	-0.6175
Gm02	38270828	38271359	Gmdrm	hypo	CG	-0.4133
Gm02	38279427	38279679	Gmdrm	hypo	CG	-0.776
Gm02	38293076	38293127	Gmdrm	hypo	CG	-0.2567
Gm02	38307432	38307862	Gmdrm	hypo	CG	-0.0516
Gm02	38310318	38310444	Gmdrm	hypo	CG	-0.4675
Gm02	38365651	38365862	Gmdrm	hypo	CG	-0.7732
Gm02	38366033	38366222	Gmdrm	hypo	CG	-0.6814
Gm02	38404478	38404631	Gmdrm	hypo	CG	-0.6122
Gm02	38449281	38449400	Gmdrm	hypo	CG	-0.9387
Gm02	38450825	38450957	Gmdrm	hypo	CG	-0.615
Gm02	38507917	38508170	Gmdrm	hypo	CG	-0.5555
Gm02	38509003	38509051	Gmdrm	hypo	CG	-0.8566
Gm02	38520649	38520810	Gmdrm	hypo	CG	-0.3816
Gm02	38521096	38521251	Gmdrm	hypo	CG	-0.242
Gm02	38544587	38544978	Gmdrm	hypo	CG	-0.0459
Gm02	38561122	38561473	Gmdrm	hypo	CG	-0.0481
Gm02	38573770	38573991	Gmdrm	hypo	CG	-0.7715
Gm02	38574193	38574292	Gmdrm	hypo	CG	-0.3333
Gm02	38598070	38598099	Gmdrm	hypo	CG	-0.845
Gm02	38654553	38654593	Gmdrm	hypo	CG	-0.56
Gm02	38802962	38803073	Gmdrm	hypo	CG	-0.1825
Gm02	38854123	38854307	Gmdrm	hypo	CG	-0.055
Gm02	38861682	38861712	Gmdrm	hypo	CG	-0.5383
Gm02	38861906	38862111	Gmdrm	hypo	CG	-0.2879
Gm02	38865396	38865504	Gmdrm	hypo	CG	-0.1125
Gm02	38909349	38909402	Gmdrm	hypo	CG	-0.042

Gm02	38941104	38941255	Gmdrm	hypo	CG	-0.1783
Gm02	38952454	38952652	Gmdrm	hypo	CG	-0.06
Gm02	39028438	39028566	Gmdrm	hypo	CG	-0.8142
Gm02	39103237	39103462	Gmdrm	hypo	CG	-0.5138
Gm02	39106282	39106420	Gmdrm	hypo	CG	-0.8289
Gm02	39113131	39113259	Gmdrm	hypo	CG	-0.0475
Gm02	39121997	39122082	Gmdrm	hypo	CG	-0.225
Gm02	39127010	39127104	Gmdrm	hypo	CG	-0.7317
Gm02	39129769	39129873	Gmdrm	hypo	CG	-0.861
Gm02	39131235	39131363	Gmdrm	hypo	CG	-0.2167
Gm02	39140960	39141313	Gmdrm	hypo	CG	-0.2425
Gm02	39152716	39153466	Gmdrm	hypo	CG	-0.032
Gm02	39163878	39164065	Gmdrm	hypo	CG	-0.1014
Gm02	39178267	39178398	Gmdrm	hypo	CG	-0.7334
Gm02	39185826	39186639	Gmdrm	hypo	CG	-0.0255
Gm02	39191845	39192073	Gmdrm	hypo	CG	-0.0588
Gm02	39221490	39222008	Gmdrm	hypo	CG	-0.0359
Gm02	39244563	39244570	Gmdrm	hypo	CG	-0.0816
Gm02	39258088	39258241	Gmdrm	hypo	CG	-0.214
Gm02	39268047	39268478	Gmdrm	hypo	CG	-0.0472
Gm02	39275456	39276063	Gmdrm	hypo	CG	-0.0228
Gm02	39282435	39283435	Gmdrm	hypo	CG	-0.0479
Gm02	39299023	39299140	Gmdrm	hypo	CG	-0.0575
Gm02	39369869	39369995	Gmdrm	hypo	CG	-0.695
Gm02	39396297	39396362	Gmdrm	hypo	CG	-0.05
Gm02	39397412	39397636	Gmdrm	hypo	CG	-0.0945
Gm02	39409291	39409372	Gmdrm	hypo	CG	-0.1512
Gm02	39427675	39427921	Gmdrm	hypo	CG	-0.1225
Gm02	39453704	39454341	Gmdrm	hypo	CG	-0.2611
Gm02	39456053	39456171	Gmdrm	hypo	CG	-0.36
Gm02	39459288	39459395	Gmdrm	hypo	CG	-0.4367
Gm02	39459509	39459571	Gmdrm	hypo	CG	-0.765
Gm02	39462565	39462667	Gmdrm	hypo	CG	-0.97
Gm02	39473579	39473774	Gmdrm	hypo	CG	-0.0667
Gm02	39475627	39475764	Gmdrm	hypo	CG	-0.5937
Gm02	39475865	39475939	Gmdrm	hypo	CG	-0.955
Gm02	39479236	39479458	Gmdrm	hypo	CG	-0.865
Gm02	39486287	39486557	Gmdrm	hypo	CG	-0.6712
Gm02	39489082	39489324	Gmdrm	hypo	CG	-0.881
Gm02	39489782	39489857	Gmdrm	hypo	CG	-0.815
Gm02	39490011	39490361	Gmdrm	hypo	CG	-0.3488
Gm02	39577914	39578018	Gmdrm	hypo	CG	-0.115
Gm02	39605731	39606023	Gmdrm	hypo	CG	-0.3554
Gm02	39610663	39610763	Gmdrm	hypo	CG	-0.655
Gm02	39613416	39613583	Gmdrm	hypo	CG	-0.5938
Gm02	39620067	39620345	Gmdrm	hypo	CG	-0.347

Gm02	39651066	39651125	Gmdrm	hypo	CG	-0.24
Gm02	39672290	39672559	Gmdrm	hypo	CG	-0.069
Gm02	39696636	39697030	Gmdrm	hypo	CG	-0.1117
Gm02	39697188	39697309	Gmdrm	hypo	CG	-0.8467
Gm02	39709046	39709177	Gmdrm	hypo	CG	-0.4983
Gm02	39720788	39720921	Gmdrm	hypo	CG	-0.1525
Gm02	39721058	39721226	Gmdrm	hypo	CG	-0.4811
Gm02	39744351	39744813	Gmdrm	hypo	CG	-0.2546
Gm02	39747353	39747450	Gmdrm	hypo	CG	-0.1087
Gm02	39756955	39757140	Gmdrm	hypo	CG	-0.755
Gm02	39757426	39757512	Gmdrm	hypo	CG	-0.2833
Gm02	39758987	39759370	Gmdrm	hypo	CG	-0.3125
Gm02	39790031	39790220	Gmdrm	hypo	CG	-0.535
Gm02	39818621	39818818	Gmdrm	hypo	CG	-0.8214
Gm02	39829847	39830138	Gmdrm	hypo	CG	-0.5021
Gm02	39854294	39854358	Gmdrm	hypo	CG	-0.09
Gm02	39861657	39862062	Gmdrm	hypo	CG	-0.1741
Gm02	39867707	39868391	Gmdrm	hypo	CG	-0.0233
Gm02	39922015	39922173	Gmdrm	hypo	CG	-0.4857
Gm02	39923112	39923466	Gmdrm	hypo	CG	-0.3236
Gm02	39925044	39925448	Gmdrm	hypo	CG	-0.2754
Gm02	39926501	39926735	Gmdrm	hypo	CG	-0.5094
Gm02	39927689	39927862	Gmdrm	hypo	CG	-0.105
Gm02	39935128	39935320	Gmdrm	hypo	CG	-0.0925
Gm02	39944129	39944191	Gmdrm	hypo	CG	-0.4287
Gm02	40095214	40095573	Gmdrm	hypo	CG	-0.0425
Gm02	40104412	40104472	Gmdrm	hypo	CG	-0.9633
Gm02	40104858	40104993	Gmdrm	hypo	CG	-0.8866
Gm02	40112486	40112919	Gmdrm	hypo	CG	-0.0576
Gm02	40123465	40123508	Gmdrm	hypo	CG	-0.61
Gm02	40141843	40141984	Gmdrm	hypo	CG	-0.7388
Gm02	40145658	40146005	Gmdrm	hypo	CG	-0.0628
Gm02	40191196	40191453	Gmdrm	hypo	CG	-0.5209
Gm02	40210920	40211221	Gmdrm	hypo	CG	-0.0683
Gm02	40290119	40290233	Gmdrm	hypo	CG	-0.8716
Gm02	40296125	40296408	Gmdrm	hypo	CG	-0.56
Gm02	40307895	40308010	Gmdrm	hypo	CG	-0.052
Gm02	40327633	40327647	Gmdrm	hypo	CG	-0.048
Gm02	40330838	40330999	Gmdrm	hypo	CG	-0.7975
Gm02	40365322	40365520	Gmdrm	hypo	CG	-0.2365
Gm02	40368449	40368593	Gmdrm	hypo	CG	-0.9285
Gm02	40378794	40379168	Gmdrm	hypo	CG	-0.3175
Gm02	40379697	40379740	Gmdrm	hypo	CG	-0.5888
Gm02	40380463	40380528	Gmdrm	hypo	CG	-0.9167
Gm02	40390176	40390436	Gmdrm	hypo	CG	-0.262
Gm02	40428716	40428732	Gmdrm	hypo	CG	-0.82

Gm02	40428931	40429071	Gmdrm	hypo	CG	-0.7237
Gm02	40436402	40436543	Gmdrm	hypo	CG	-0.4313
Gm02	40436788	40436855	Gmdrm	hypo	CG	-0.6125
Gm02	40436969	40437392	Gmdrm	hypo	CG	-0.4236
Gm02	40444945	40445211	Gmdrm	hypo	CG	-0.2511
Gm02	40484471	40484624	Gmdrm	hypo	CG	-0.6091
Gm02	40508889	40509724	Gmdrm	hypo	CG	-0.0336
Gm02	40561930	40562117	Gmdrm	hypo	CG	-0.6557
Gm02	40563381	40563422	Gmdrm	hypo	CG	-0.085
Gm02	40589355	40589548	Gmdrm	hypo	CG	-0.665
Gm02	40590004	40590233	Gmdrm	hypo	CG	-0.5194
Gm02	40610813	40610919	Gmdrm	hypo	CG	-0.616
Gm02	40612360	40612551	Gmdrm	hypo	CG	-0.074
Gm02	40619293	40619554	Gmdrm	hypo	CG	-0.4081
Gm02	40637859	40638298	Gmdrm	hypo	CG	-0.7996
Gm02	40677817	40677898	Gmdrm	hypo	CG	-0.7617
Gm02	40704271	40704473	Gmdrm	hypo	CG	-0.045
Gm02	40712300	40712449	Gmdrm	hypo	CG	-0.6217
Gm02	40712924	40713127	Gmdrm	hypo	CG	-0.59
Gm02	40713634	40713811	Gmdrm	hypo	CG	-0.6613
Gm02	40728495	40728573	Gmdrm	hypo	CG	-0.9487
Gm02	40728827	40728984	Gmdrm	hypo	CG	-0.845
Gm02	40737769	40738482	Gmdrm	hypo	CG	-0.5413
Gm02	40743422	40743460	Gmdrm	hypo	CG	-0.8167
Gm02	40743875	40743973	Gmdrm	hypo	CG	-0.042
Gm02	40760814	40761075	Gmdrm	hypo	CG	-0.8164
Gm02	40761273	40761553	Gmdrm	hypo	CG	-0.2916
Gm02	40771630	40771656	Gmdrm	hypo	CG	-0.4883
Gm02	40807412	40807436	Gmdrm	hypo	CG	-0.0767
Gm02	40815862	40816298	Gmdrm	hypo	CG	-0.4706
Gm02	40816603	40816680	Gmdrm	hypo	CG	-0.0599
Gm02	40817314	40817544	Gmdrm	hypo	CG	-0.5628
Gm02	40817645	40817895	Gmdrm	hypo	CG	-0.0563
Gm02	40832369	40832460	Gmdrm	hypo	CG	-0.595
Gm02	40832610	40832873	Gmdrm	hypo	CG	-0.3147
Gm02	40833098	40833227	Gmdrm	hypo	CG	-0.2315
Gm02	40855490	40855638	Gmdrm	hypo	CG	-0.9231
Gm02	40856645	40857181	Gmdrm	hypo	CG	-0.1772
Gm02	40858727	40859067	Gmdrm	hypo	CG	-0.6064
Gm02	40859178	40859260	Gmdrm	hypo	CG	-0.7833
Gm02	40864268	40864516	Gmdrm	hypo	CG	-0.8736
Gm02	40875935	40876033	Gmdrm	hypo	CG	-0.2614
Gm02	40884612	40884695	Gmdrm	hypo	CG	-0.8884
Gm02	40923583	40923676	Gmdrm	hypo	CG	-0.0233
Gm02	40925826	40925920	Gmdrm	hypo	CG	-0.184
Gm02	40936695	40936857	Gmdrm	hypo	CG	-0.8029

Gm02	40957257	40957497	Gmdrm	hypo	CG	-0.0314
Gm02	40979837	40980000	Gmdrm	hypo	CG	-0.7025
Gm02	40994991	40995147	Gmdrm	hypo	CG	-0.3886
Gm02	40998512	40998697	Gmdrm	hypo	CG	-0.0567
Gm02	41000227	41000291	Gmdrm	hypo	CG	-0.696
Gm02	41005070	41005176	Gmdrm	hypo	CG	-0.827
Gm02	41014630	41014719	Gmdrm	hypo	CG	-0.8234
Gm02	41015068	41015198	Gmdrm	hypo	CG	-0.621
Gm02	41021237	41021692	Gmdrm	hypo	CG	-0.486
Gm02	41022823	41022841	Gmdrm	hypo	CG	-0.1783
Gm02	41047541	41047589	Gmdrm	hypo	CG	-0.3016
Gm02	41059723	41059791	Gmdrm	hypo	CG	-0.265
Gm02	41065843	41065905	Gmdrm	hypo	CG	-0.59
Gm02	41066032	41066142	Gmdrm	hypo	CG	-0.656
Gm02	41066750	41066931	Gmdrm	hypo	CG	-0.8813
Gm02	41098406	41098520	Gmdrm	hypo	CG	-0.753
Gm02	41098907	41099013	Gmdrm	hypo	CG	-0.521
Gm02	41114410	41114490	Gmdrm	hypo	CG	-0.154
Gm02	41124563	41124824	Gmdrm	hypo	CG	-0.2457
Gm02	41131526	41131864	Gmdrm	hypo	CG	-0.0375
Gm02	41163739	41163916	Gmdrm	hypo	CG	-0.7068
Gm02	41164071	41164288	Gmdrm	hypo	CG	-0.5843
Gm02	41168604	41168687	Gmdrm	hypo	CG	-0.6066
Gm02	41199501	41199563	Gmdrm	hypo	CG	-0.7566
Gm02	41209836	41209982	Gmdrm	hypo	CG	-0.1875
Gm02	41223542	41223689	Gmdrm	hypo	CG	-0.7883
Gm02	41223873	41224249	Gmdrm	hypo	CG	-0.8775
Gm02	41229816	41230033	Gmdrm	hypo	CG	-0.382
Gm02	41276600	41276715	Gmdrm	hypo	CG	-0.9392
Gm02	41283615	41283708	Gmdrm	hypo	CG	-0.4616
Gm02	41296131	41296169	Gmdrm	hypo	CG	-0.5166
Gm02	41302604	41302954	Gmdrm	hypo	CG	-0.6478
Gm02	41310873	41310910	Gmdrm	hypo	CG	-0.1484
Gm02	41312355	41312398	Gmdrm	hypo	CG	-0.8875
Gm02	41336648	41336722	Gmdrm	hypo	CG	-0.1137
Gm02	41374889	41375022	Gmdrm	hypo	CG	-0.2528
Gm02	41401948	41402201	Gmdrm	hypo	CG	-0.336
Gm02	41408646	41408705	Gmdrm	hypo	CG	-0.085
Gm02	41415260	41415838	Gmdrm	hypo	CG	-0.0405
Gm02	41422156	41422325	Gmdrm	hypo	CG	-0.3399
Gm02	41430038	41430273	Gmdrm	hypo	CG	-0.2009
Gm02	41456775	41457050	Gmdrm	hypo	CG	-0.1368
Gm02	41461800	41462032	Gmdrm	hypo	CG	-0.064
Gm02	41463892	41463943	Gmdrm	hypo	CG	-0.3809
Gm02	41464298	41464489	Gmdrm	hypo	CG	-0.775
Gm02	41486762	41486886	Gmdrm	hypo	CG	-0.8786

Gm02	41489712	41489886	Gmdrm	hypo	CG	-0.085
Gm02	41506619	41506957	Gmdrm	hypo	CG	-0.8923
Gm02	41532825	41533302	Gmdrm	hypo	CG	-0.7212
Gm02	41534048	41534141	Gmdrm	hypo	CG	-0.287
Gm02	41534522	41534626	Gmdrm	hypo	CG	-0.7325
Gm02	41534794	41535043	Gmdrm	hypo	CG	-0.6868
Gm02	41547574	41547680	Gmdrm	hypo	CG	-0.27
Gm02	41584037	41584101	Gmdrm	hypo	CG	-0.71
Gm02	41589903	41590137	Gmdrm	hypo	CG	-0.6575
Gm02	41591941	41592085	Gmdrm	hypo	CG	-0.958
Gm02	41601527	41601719	Gmdrm	hypo	CG	-0.92
Gm02	41602471	41602535	Gmdrm	hypo	CG	-0.4837
Gm02	41618107	41618160	Gmdrm	hypo	CG	-0.6833
Gm02	41618298	41618419	Gmdrm	hypo	CG	-0.9714
Gm02	41645714	41646209	Gmdrm	hypo	CG	-0.5739
Gm02	41656420	41656761	Gmdrm	hypo	CG	-0.5935
Gm02	41656873	41657001	Gmdrm	hypo	CG	-0.8675
Gm02	41658501	41658759	Gmdrm	hypo	CG	-0.637
Gm02	41666118	41666200	Gmdrm	hypo	CG	-0.6037
Gm02	41677045	41677174	Gmdrm	hypo	CG	-0.4763
Gm02	41682255	41682356	Gmdrm	hypo	CG	-0.3067
Gm02	41682806	41682972	Gmdrm	hypo	CG	-0.3628
Gm02	41690107	41690507	Gmdrm	hypo	CG	-0.0747
Gm02	41707264	41707620	Gmdrm	hypo	CG	-0.3454
Gm02	41708407	41708449	Gmdrm	hypo	CG	-0.4116
Gm02	41730496	41730713	Gmdrm	hypo	CG	-0.6807
Gm02	41753683	41753926	Gmdrm	hypo	CG	-0.9442
Gm02	41754044	41754193	Gmdrm	hypo	CG	-0.8115
Gm02	41761638	41762143	Gmdrm	hypo	CG	-0.1753
Gm02	41762280	41762361	Gmdrm	hypo	CG	-0.6
Gm02	41771326	41771560	Gmdrm	hypo	CG	-0.267
Gm02	41777639	41777844	Gmdrm	hypo	CG	-0.2681
Gm02	41834119	41834276	Gmdrm	hypo	CG	-0.3837
Gm02	41857373	41857468	Gmdrm	hypo	CG	-0.6512
Gm02	41872265	41872372	Gmdrm	hypo	CG	-0.471
Gm02	41885273	41885677	Gmdrm	hypo	CG	-0.84
Gm02	41909926	41910097	Gmdrm	hypo	CG	-0.1571
Gm02	41924500	41924537	Gmdrm	hypo	CG	-0.4192
Gm02	41924752	41924953	Gmdrm	hypo	CG	-0.5769
Gm02	41938497	41938533	Gmdrm	hypo	CG	-0.9417
Gm02	41938924	41938945	Gmdrm	hypo	CG	-0.5083
Gm02	41943110	41943206	Gmdrm	hypo	CG	-0.3456
Gm02	41955134	41955437	Gmdrm	hypo	CG	-0.7333
Gm02	41959730	41959812	Gmdrm	hypo	CG	-0.572
Gm02	41966396	41966553	Gmdrm	hypo	CG	-0.0367
Gm02	41970216	41970264	Gmdrm	hypo	CG	-0.9417

Gm02	41980411	41980577	Gmdrm	hypo	CG	-0.724
Gm02	42039846	42039942	Gmdrm	hypo	CG	-0.4333
Gm02	42048977	42049204	Gmdrm	hypo	CG	-0.1693
Gm02	42049473	42049778	Gmdrm	hypo	CG	-0.1219
Gm02	42087526	42087701	Gmdrm	hypo	CG	-0.7772
Gm02	42090990	42091099	Gmdrm	hypo	CG	-0.0442
Gm02	42145294	42145382	Gmdrm	hypo	CG	-0.834
Gm02	42148008	42148187	Gmdrm	hypo	CG	-0.3688
Gm02	42169028	42169128	Gmdrm	hypo	CG	-0.254
Gm02	42169236	42169371	Gmdrm	hypo	CG	-0.29
Gm02	42184337	42184368	Gmdrm	hypo	CG	-0.9537
Gm02	42207371	42207390	Gmdrm	hypo	CG	-0.795
Gm02	42220610	42220677	Gmdrm	hypo	CG	-0.8971
Gm02	42221478	42221521	Gmdrm	hypo	CG	-0.4933
Gm02	42242722	42242905	Gmdrm	hypo	CG	-0.2512
Gm02	42243484	42243594	Gmdrm	hypo	CG	-0.7399
Gm02	42257510	42257542	Gmdrm	hypo	CG	-0.9317
Gm02	42275390	42275574	Gmdrm	hypo	CG	-0.0667
Gm02	42317613	42317736	Gmdrm	hypo	CG	-0.392
Gm02	42323309	42323479	Gmdrm	hypo	CG	-0.1184
Gm02	42327808	42328033	Gmdrm	hypo	CG	-0.439
Gm02	42359466	42359627	Gmdrm	hypo	CG	-0.965
Gm02	42361633	42362196	Gmdrm	hypo	CG	-0.1534
Gm02	42362694	42363072	Gmdrm	hypo	CG	-0.347
Gm02	42368618	42368715	Gmdrm	hypo	CG	-0.07
Gm02	42379298	42379399	Gmdrm	hypo	CG	-0.058
Gm02	42380481	42380518	Gmdrm	hypo	CG	-0.84
Gm02	42386561	42386700	Gmdrm	hypo	CG	-0.1837
Gm02	42386853	42386993	Gmdrm	hypo	CG	-0.6375
Gm02	42402561	42402737	Gmdrm	hypo	CG	-0.1207
Gm02	42427377	42427563	Gmdrm	hypo	CG	-0.5862
Gm02	42441869	42442023	Gmdrm	hypo	CG	-0.0613
Gm02	42450976	42451109	Gmdrm	hypo	CG	-0.1075
Gm02	42454578	42454629	Gmdrm	hypo	CG	-0.0375
Gm02	42457220	42457903	Gmdrm	hypo	CG	-0.036
Gm02	42459120	42459283	Gmdrm	hypo	CG	-0.0383
Gm02	42463341	42463391	Gmdrm	hypo	CG	-0.6817
Gm02	42463652	42463678	Gmdrm	hypo	CG	-0.085
Gm02	42468989	42469128	Gmdrm	hypo	CG	-0.3225
Gm02	42471150	42471459	Gmdrm	hypo	CG	-0.612
Gm02	42471785	42472002	Gmdrm	hypo	CG	-0.7457
Gm02	42497198	42497307	Gmdrm	hypo	CG	-0.192
Gm02	42497436	42497516	Gmdrm	hypo	CG	-0.411
Gm02	42497790	42498077	Gmdrm	hypo	CG	-0.1555
Gm02	42515589	42515851	Gmdrm	hypo	CG	-0.673
Gm02	42522903	42522945	Gmdrm	hypo	CG	-0.9217

Gm02	42523287	42523421	Gmdrm	hypo	CG	-0.204
Gm02	42564030	42564059	Gmdrm	hypo	CG	-0.46
Gm02	42578647	42578742	Gmdrm	hypo	CG	-0.13
Gm02	42582220	42582282	Gmdrm	hypo	CG	-0.6033
Gm02	42582396	42582550	Gmdrm	hypo	CG	-0.8186
Gm02	42588535	42588633	Gmdrm	hypo	CG	-0.328
Gm02	42588744	42589057	Gmdrm	hypo	CG	-0.7565
Gm02	42621272	42621587	Gmdrm	hypo	CG	-0.4269
Gm02	42637538	42637679	Gmdrm	hypo	CG	-0.4417
Gm02	42639224	42639507	Gmdrm	hypo	CG	-0.6315
Gm02	42653894	42654141	Gmdrm	hypo	CG	-0.042
Gm02	42665534	42665801	Gmdrm	hypo	CG	-0.0984
Gm02	42674710	42675040	Gmdrm	hypo	CG	-0.314
Gm02	42701453	42701566	Gmdrm	hypo	CG	-0.565
Gm02	42704259	42704371	Gmdrm	hypo	CG	-0.8867
Gm02	42707550	42707663	Gmdrm	hypo	CG	-0.1238
Gm02	42711543	42711768	Gmdrm	hypo	CG	-0.7808
Gm02	42751941	42752089	Gmdrm	hypo	CG	-0.36
Gm02	42753950	42754057	Gmdrm	hypo	CG	-0.2463
Gm02	42759877	42760007	Gmdrm	hypo	CG	-0.5505
Gm02	42770948	42771125	Gmdrm	hypo	CG	-0.41
Gm02	42773917	42774002	Gmdrm	hypo	CG	-0.465
Gm02	42780819	42780909	Gmdrm	hypo	CG	-0.515
Gm02	42787782	42787845	Gmdrm	hypo	CG	-0.7784
Gm02	42789306	42789521	Gmdrm	hypo	CG	-0.3129
Gm02	42790812	42790896	Gmdrm	hypo	CG	-0.18
Gm02	42802728	42802935	Gmdrm	hypo	CG	-0.3113
Gm02	42806374	42806535	Gmdrm	hypo	CG	-0.393
Gm02	42839959	42839989	Gmdrm	hypo	CG	-0.094
Gm02	42872813	42872932	Gmdrm	hypo	CG	-0.1037
Gm02	42886752	42886828	Gmdrm	hypo	CG	-0.0683
Gm02	42952630	42952645	Gmdrm	hypo	CG	-0.4367
Gm02	42955147	42955411	Gmdrm	hypo	CG	-0.0366
Gm02	42966217	42966411	Gmdrm	hypo	CG	-0.7614
Gm02	42993525	42993558	Gmdrm	hypo	CG	-0.4687
Gm02	43019412	43019443	Gmdrm	hypo	CG	-0.9567
Gm02	43019733	43019781	Gmdrm	hypo	CG	-0.5575
Gm02	43031484	43031645	Gmdrm	hypo	CG	-0.8763
Gm02	43038373	43038566	Gmdrm	hypo	CG	-0.1883
Gm02	43043836	43044025	Gmdrm	hypo	CG	-0.06
Gm02	43045495	43045662	Gmdrm	hypo	CG	-0.4624
Gm02	43054566	43054615	Gmdrm	hypo	CG	-0.546
Gm02	43058349	43058468	Gmdrm	hypo	CG	-0.5537
Gm02	43081492	43081703	Gmdrm	hypo	CG	-0.6153
Gm02	43082539	43082585	Gmdrm	hypo	CG	-0.7883
Gm02	43105745	43105940	Gmdrm	hypo	CG	-0.905

Gm02	43106136	43106253	Gmdrm	hypo	CG	-0.7537
Gm02	43106449	43106646	Gmdrm	hypo	CG	-0.6189
Gm02	43121133	43121220	Gmdrm	hypo	CG	-0.69
Gm02	43121525	43121612	Gmdrm	hypo	CG	-0.6787
Gm02	43121769	43122234	Gmdrm	hypo	CG	-0.6423
Gm02	43124788	43124811	Gmdrm	hypo	CG	-0.9667
Gm02	43126629	43126856	Gmdrm	hypo	CG	-0.4579
Gm02	43174765	43174937	Gmdrm	hypo	CG	-0.835
Gm02	43175758	43175902	Gmdrm	hypo	CG	-0.0963
Gm02	43176032	43176152	Gmdrm	hypo	CG	-0.94
Gm02	43176259	43176353	Gmdrm	hypo	CG	-0.94
Gm02	43177376	43177442	Gmdrm	hypo	CG	-0.55
Gm02	43177610	43177729	Gmdrm	hypo	CG	-0.6555
Gm02	43235547	43235570	Gmdrm	hypo	CG	-0.4334
Gm02	43253598	43253823	Gmdrm	hypo	CG	-0.5775
Gm02	43258275	43258443	Gmdrm	hypo	CG	-0.4769
Gm02	43286366	43286696	Gmdrm	hypo	CG	-0.5145
Gm02	43287525	43287775	Gmdrm	hypo	CG	-0.9056
Gm02	43291828	43292026	Gmdrm	hypo	CG	-0.117
Gm02	43302185	43302419	Gmdrm	hypo	CG	-0.0663
Gm02	43306824	43306886	Gmdrm	hypo	CG	-0.9433
Gm02	43307026	43307177	Gmdrm	hypo	CG	-0.7053
Gm02	43318190	43318291	Gmdrm	hypo	CG	-0.4717
Gm02	43319584	43319669	Gmdrm	hypo	CG	-0.7987
Gm02	43320817	43320903	Gmdrm	hypo	CG	-0.9483
Gm02	43324122	43324460	Gmdrm	hypo	CG	-0.4815
Gm02	43341174	43341387	Gmdrm	hypo	CG	-0.32
Gm02	43345581	43345987	Gmdrm	hypo	CG	-0.031
Gm02	43346678	43346837	Gmdrm	hypo	CG	-0.507
Gm02	43348712	43348729	Gmdrm	hypo	CG	-0.7366
Gm02	43354844	43354914	Gmdrm	hypo	CG	-0.15
Gm02	43356655	43356833	Gmdrm	hypo	CG	-0.5369
Gm02	43358131	43358167	Gmdrm	hypo	CG	-0.6183
Gm02	43358436	43358691	Gmdrm	hypo	CG	-0.5286
Gm02	43358818	43358981	Gmdrm	hypo	CG	-0.634
Gm02	43364434	43364615	Gmdrm	hypo	CG	-0.5055
Gm02	43366178	43366394	Gmdrm	hypo	CG	-0.564
Gm02	43382406	43382658	Gmdrm	hypo	CG	-0.0367
Gm02	43393167	43393316	Gmdrm	hypo	CG	-0.9707
Gm02	43404288	43404502	Gmdrm	hypo	CG	-0.0631
Gm02	43429023	43429406	Gmdrm	hypo	CG	-0.9541
Gm02	43443651	43443753	Gmdrm	hypo	CG	-0.315
Gm02	43443873	43443972	Gmdrm	hypo	CG	-0.4534
Gm02	43462001	43462142	Gmdrm	hypo	CG	-0.9386
Gm02	43463427	43463880	Gmdrm	hypo	CG	-0.3
Gm02	43473185	43473456	Gmdrm	hypo	CG	-0.7593

Gm02	43481477	43481709	Gmdrm	hypo	CG	-0.3417
Gm02	43483762	43483884	Gmdrm	hypo	CG	-0.5383
Gm02	43496249	43496410	Gmdrm	hypo	CG	-0.5762
Gm02	43496831	43496941	Gmdrm	hypo	CG	-0.805
Gm02	43511029	43511258	Gmdrm	hypo	CG	-0.7889
Gm02	43525493	43525622	Gmdrm	hypo	CG	-0.91
Gm02	43531700	43531775	Gmdrm	hypo	CG	-0.3883
Gm02	43532004	43532146	Gmdrm	hypo	CG	-0.9487
Gm02	43551459	43552205	Gmdrm	hypo	CG	-0.0368
Gm02	43609994	43610200	Gmdrm	hypo	CG	-0.6176
Gm02	43624230	43624449	Gmdrm	hypo	CG	-0.3359
Gm02	43631701	43631805	Gmdrm	hypo	CG	-0.0483
Gm02	43632519	43632619	Gmdrm	hypo	CG	-0.929
Gm02	43635522	43635595	Gmdrm	hypo	CG	-0.08
Gm02	43637224	43637511	Gmdrm	hypo	CG	-0.4628
Gm02	43665998	43666508	Gmdrm	hypo	CG	-0.03
Gm02	43677207	43677263	Gmdrm	hypo	CG	-0.1329
Gm02	43692580	43692715	Gmdrm	hypo	CG	-0.508
Gm02	43698481	43698622	Gmdrm	hypo	CG	-0.08
Gm02	43700159	43700363	Gmdrm	hypo	CG	-0.3075
Gm02	43716855	43716925	Gmdrm	hypo	CG	-0.6938
Gm02	43729766	43729878	Gmdrm	hypo	CG	-0.839
Gm02	43737628	43737644	Gmdrm	hypo	CG	-0.769
Gm02	43778714	43779197	Gmdrm	hypo	CG	-0.3662
Gm02	43781645	43781708	Gmdrm	hypo	CG	-0.095
Gm02	43801524	43801568	Gmdrm	hypo	CG	-0.2917
Gm02	43801885	43802180	Gmdrm	hypo	CG	-0.538
Gm02	43802370	43802507	Gmdrm	hypo	CG	-0.7537
Gm02	43804064	43804164	Gmdrm	hypo	CG	-0.1152
Gm02	43816746	43816800	Gmdrm	hypo	CG	-0.2912
Gm02	43850588	43850609	Gmdrm	hypo	CG	-0.4084
Gm02	43856466	43856511	Gmdrm	hypo	CG	-0.03
Gm02	43857709	43857814	Gmdrm	hypo	CG	-0.5682
Gm02	43937416	43937797	Gmdrm	hypo	CG	-0.194
Gm02	43942875	43943116	Gmdrm	hypo	CG	-0.0529
Gm02	43953426	43953489	Gmdrm	hypo	CG	-0.685
Gm02	43954350	43954543	Gmdrm	hypo	CG	-0.676
Gm02	43990669	43990776	Gmdrm	hypo	CG	-0.04
Gm02	43993606	43993810	Gmdrm	hypo	CG	-0.036
Gm02	44031642	44032117	Gmdrm	hypo	CG	-0.8581
Gm02	44055349	44055507	Gmdrm	hypo	CG	-0.066
Gm02	44057718	44057838	Gmdrm	hypo	CG	-0.5033
Gm02	44063623	44063704	Gmdrm	hypo	CG	-0.4983
Gm02	44071682	44071922	Gmdrm	hypo	CG	-0.0632
Gm02	44072073	44072183	Gmdrm	hypo	CG	-0.6385
Gm02	44082886	44083162	Gmdrm	hypo	CG	-0.0963

Gm02	44118205	44118396	Gmdrm	hypo	CG	-0.7788
Gm02	44124482	44124604	Gmdrm	hypo	CG	-0.5587
Gm02	44163945	44164075	Gmdrm	hypo	CG	-0.9417
Gm02	44164621	44164695	Gmdrm	hypo	CG	-0.931
Gm02	44182505	44182665	Gmdrm	hypo	CG	-0.5358
Gm02	44184931	44185190	Gmdrm	hypo	CG	-0.4414
Gm02	44188079	44188224	Gmdrm	hypo	CG	-0.69
Gm02	44188764	44188841	Gmdrm	hypo	CG	-0.723
Gm02	44196257	44196395	Gmdrm	hypo	CG	-0.8962
Gm02	44219401	44219517	Gmdrm	hypo	CG	-0.383
Gm02	44232414	44232664	Gmdrm	hypo	CG	-0.5373
Gm02	44233568	44233735	Gmdrm	hypo	CG	-0.2058
Gm02	44236897	44237165	Gmdrm	hypo	CG	-0.7788
Gm02	44237633	44237683	Gmdrm	hypo	CG	-0.7728
Gm02	44252826	44252975	Gmdrm	hypo	CG	-0.3599
Gm02	44262274	44262592	Gmdrm	hypo	CG	-0.5952
Gm02	44269267	44269382	Gmdrm	hypo	CG	-0.674
Gm02	44303177	44303254	Gmdrm	hypo	CG	-0.5583
Gm02	44313463	44313534	Gmdrm	hypo	CG	-0.568
Gm02	44314873	44315009	Gmdrm	hypo	CG	-0.07
Gm02	44358265	44358369	Gmdrm	hypo	CG	-0.6983
Gm02	44358543	44358571	Gmdrm	hypo	CG	-0.9183
Gm02	44358735	44358994	Gmdrm	hypo	CG	-0.549
Gm02	44379530	44379610	Gmdrm	hypo	CG	-0.6137
Gm02	44419293	44419548	Gmdrm	hypo	CG	-0.2867
Gm02	44421487	44421608	Gmdrm	hypo	CG	-0.2812
Gm02	44423833	44423925	Gmdrm	hypo	CG	-0.98
Gm02	44434809	44435470	Gmdrm	hypo	CG	-0.4613
Gm02	44444720	44444782	Gmdrm	hypo	CG	-0.058
Gm02	44450536	44450797	Gmdrm	hypo	CG	-0.1901
Gm02	44461608	44461675	Gmdrm	hypo	CG	-0.8237
Gm02	44480705	44480986	Gmdrm	hypo	CG	-0.3718
Gm02	44481145	44481209	Gmdrm	hypo	CG	-0.6067
Gm02	44490841	44491163	Gmdrm	hypo	CG	-0.383
Gm02	44491854	44492050	Gmdrm	hypo	CG	-0.711
Gm02	44492177	44492407	Gmdrm	hypo	CG	-0.7837
Gm02	44493888	44494009	Gmdrm	hypo	CG	-0.9639
Gm02	44500018	44500419	Gmdrm	hypo	CG	-0.4914
Gm02	44500565	44500758	Gmdrm	hypo	CG	-0.595
Gm02	44522373	44522684	Gmdrm	hypo	CG	-0.1114
Gm02	44522819	44523167	Gmdrm	hypo	CG	-0.0731
Gm02	44524048	44524233	Gmdrm	hypo	CG	-0.2613
Gm02	44524355	44524607	Gmdrm	hypo	CG	-0.3241
Gm02	44536152	44536229	Gmdrm	hypo	CG	-0.2849
Gm02	44536387	44536506	Gmdrm	hypo	CG	-0.5162
Gm02	44537701	44537904	Gmdrm	hypo	CG	-0.6586

Gm02	44547777	44547929	Gmdrm	hypo	CG	-0.042
Gm02	44549318	44549384	Gmdrm	hypo	CG	-0.96
Gm02	44549487	44549579	Gmdrm	hypo	CG	-0.821
Gm02	44554448	44554491	Gmdrm	hypo	CG	-0.615
Gm02	44574532	44574922	Gmdrm	hypo	CG	-0.2959
Gm02	44575027	44575069	Gmdrm	hypo	CG	-0.12
Gm02	44580770	44580859	Gmdrm	hypo	CG	-0.6
Gm02	44580985	44581085	Gmdrm	hypo	CG	-0.8524
Gm02	44627362	44627561	Gmdrm	hypo	CG	-0.4764
Gm02	44627837	44628106	Gmdrm	hypo	CG	-0.5625
Gm02	44628481	44628535	Gmdrm	hypo	CG	-0.9433
Gm02	44632100	44632484	Gmdrm	hypo	CG	-0.6852
Gm02	44633147	44633526	Gmdrm	hypo	CG	-0.8793
Gm02	44639008	44639212	Gmdrm	hypo	CG	-0.2317
Gm02	44655687	44656659	Gmdrm	hypo	CG	-0.0785
Gm02	44656935	44657034	Gmdrm	hypo	CG	-0.9767
Gm02	44659297	44659588	Gmdrm	hypo	CG	-0.025
Gm02	44668863	44669057	Gmdrm	hypo	CG	-0.1625
Gm02	44680441	44680745	Gmdrm	hypo	CG	-0.5867
Gm02	44686719	44686971	Gmdrm	hypo	CG	-0.4618
Gm02	44710442	44710531	Gmdrm	hypo	CG	-0.7
Gm02	44710641	44710895	Gmdrm	hypo	CG	-0.3536
Gm02	44711595	44711639	Gmdrm	hypo	CG	-0.475
Gm02	44720918	44721078	Gmdrm	hypo	CG	-0.3272
Gm02	44776235	44776352	Gmdrm	hypo	CG	-0.7076
Gm02	44776558	44777082	Gmdrm	hypo	CG	-0.6425
Gm02	44777206	44777345	Gmdrm	hypo	CG	-0.5275
Gm02	44777781	44778104	Gmdrm	hypo	CG	-0.5479
Gm02	44779062	44779162	Gmdrm	hypo	CG	-0.1417
Gm02	44779492	44779589	Gmdrm	hypo	CG	-0.2363
Gm02	44798066	44798198	Gmdrm	hypo	CG	-0.71
Gm02	44799023	44799244	Gmdrm	hypo	CG	-0.4831
Gm02	44809082	44809136	Gmdrm	hypo	CG	-0.064
Gm02	44811002	44811182	Gmdrm	hypo	CG	-0.0383
Gm02	44829407	44829432	Gmdrm	hypo	CG	-0.95
Gm02	44837565	44837629	Gmdrm	hypo	CG	-0.79
Gm02	44840775	44840931	Gmdrm	hypo	CG	-0.9467
Gm02	44850159	44850312	Gmdrm	hypo	CG	-0.05
Gm02	44864023	44864220	Gmdrm	hypo	CG	-0.775
Gm02	44896000	44896368	Gmdrm	hypo	CG	-0.6925
Gm02	44910705	44911125	Gmdrm	hypo	CG	-0.2613
Gm02	44926783	44927071	Gmdrm	hypo	CG	-0.1292
Gm02	44936065	44936088	Gmdrm	hypo	CG	-0.3333
Gm02	44936606	44936717	Gmdrm	hypo	CG	-0.6433
Gm02	44936818	44936987	Gmdrm	hypo	CG	-0.8356
Gm02	44949650	44949718	Gmdrm	hypo	CG	-0.9583

Gm02	44992107	44992117	Gmdrm	hypo	CG	-0.9388
Gm02	45019628	45019767	Gmdrm	hypo	CG	-0.6887
Gm02	45020293	45020339	Gmdrm	hypo	CG	-0.5116
Gm02	45021030	45021287	Gmdrm	hypo	CG	-0.7569
Gm02	45023169	45023260	Gmdrm	hypo	CG	-0.635
Gm02	45023365	45023516	Gmdrm	hypo	CG	-0.5149
Gm02	45026913	45026971	Gmdrm	hypo	CG	-0.58
Gm02	45042314	45042576	Gmdrm	hypo	CG	-0.6409
Gm02	45049502	45049723	Gmdrm	hypo	CG	-0.03
Gm02	45063501	45063608	Gmdrm	hypo	CG	-0.35
Gm02	45110945	45111105	Gmdrm	hypo	CG	-0.1477
Gm02	45136816	45137025	Gmdrm	hypo	CG	-0.9717
Gm02	45137519	45137676	Gmdrm	hypo	CG	-0.575
Gm02	45144174	45144288	Gmdrm	hypo	CG	-0.5184
Gm02	45146470	45146736	Gmdrm	hypo	CG	-0.661
Gm02	45149145	45149238	Gmdrm	hypo	CG	-0.8362
Gm02	45187979	45188183	Gmdrm	hypo	CG	-0.2867
Gm02	45189065	45189450	Gmdrm	hypo	CG	-0.4107
Gm02	45191171	45191197	Gmdrm	hypo	CG	-0.4934
Gm02	45193213	45193323	Gmdrm	hypo	CG	-0.52
Gm02	45259213	45259452	Gmdrm	hypo	CG	-0.4721
Gm02	45269336	45269588	Gmdrm	hypo	CG	-0.02
Gm02	45298955	45299302	Gmdrm	hypo	CG	-0.043
Gm02	45301483	45301658	Gmdrm	hypo	CG	-0.6926
Gm02	45332817	45332883	Gmdrm	hypo	CG	-0.9667
Gm02	45353355	45353410	Gmdrm	hypo	CG	-0.95
Gm02	45353537	45353595	Gmdrm	hypo	CG	-0.94
Gm02	45353716	45353869	Gmdrm	hypo	CG	-0.91
Gm02	45385335	45385661	Gmdrm	hypo	CG	-0.6195
Gm02	45406129	45406232	Gmdrm	hypo	CG	-0.7983
Gm02	45444470	45444618	Gmdrm	hypo	CG	-0.8034
Gm02	45459169	45459382	Gmdrm	hypo	CG	-0.9457
Gm02	45460739	45460769	Gmdrm	hypo	CG	-0.1783
Gm02	45483283	45483478	Gmdrm	hypo	CG	-0.1344
Gm02	45485159	45485310	Gmdrm	hypo	CG	-0.618
Gm02	45499337	45499492	Gmdrm	hypo	CG	-0.6362
Gm02	45508328	45508609	Gmdrm	hypo	CG	-0.8675
Gm02	45510597	45510716	Gmdrm	hypo	CG	-0.982
Gm02	45515221	45515609	Gmdrm	hypo	CG	-0.0333
Gm02	45535454	45535501	Gmdrm	hypo	CG	-0.7534
Gm02	45538225	45538293	Gmdrm	hypo	CG	-0.655
Gm02	45539319	45539400	Gmdrm	hypo	CG	-0.8712
Gm02	45605450	45605833	Gmdrm	hypo	CG	-0.1348
Gm02	45622665	45622745	Gmdrm	hypo	CG	-0.1816
Gm02	45623053	45623361	Gmdrm	hypo	CG	-0.1925
Gm02	45624242	45624389	Gmdrm	hypo	CG	-0.4675

Gm02	45624592	45624874	Gmdrm	hypo	CG	-0.3123
Gm02	45626749	45626968	Gmdrm	hypo	CG	-0.1927
Gm02	45647445	45647605	Gmdrm	hypo	CG	-0.605
Gm02	45685250	45685263	Gmdrm	hypo	CG	-0.6067
Gm02	45732225	45732289	Gmdrm	hypo	CG	-0.3933
Gm02	45735493	45735657	Gmdrm	hypo	CG	-0.694
Gm02	45742150	45742200	Gmdrm	hypo	CG	-0.3325
Gm02	45753329	45753532	Gmdrm	hypo	CG	-0.1006
Gm02	45765771	45766091	Gmdrm	hypo	CG	-0.7766
Gm02	45783916	45783956	Gmdrm	hypo	CG	-0.0566
Gm02	45784572	45784673	Gmdrm	hypo	CG	-0.2229
Gm02	45809629	45809735	Gmdrm	hypo	CG	-0.158
Gm02	45931464	45931568	Gmdrm	hypo	CG	-0.9762
Gm02	45932387	45932716	Gmdrm	hypo	CG	-0.1345
Gm02	45932865	45933169	Gmdrm	hypo	CG	-0.0615
Gm02	45937534	45937855	Gmdrm	hypo	CG	-0.071
Gm02	45945257	45945366	Gmdrm	hypo	CG	-0.1356
Gm02	45962282	45962422	Gmdrm	hypo	CG	-0.5933
Gm02	45966566	45966669	Gmdrm	hypo	CG	-0.9512
Gm02	46008343	46008518	Gmdrm	hypo	CG	-0.9021
Gm02	46009315	46009353	Gmdrm	hypo	CG	-0.3483
Gm02	46009675	46010089	Gmdrm	hypo	CG	-0.56
Gm02	46013779	46013823	Gmdrm	hypo	CG	-0.88
Gm02	46034017	46034153	Gmdrm	hypo	CG	-0.7738
Gm02	46034366	46034502	Gmdrm	hypo	CG	-0.744
Gm02	46039181	46039376	Gmdrm	hypo	CG	-0.03
Gm02	46042699	46042819	Gmdrm	hypo	CG	-0.9033
Gm02	46046546	46046624	Gmdrm	hypo	CG	-0.1217
Gm02	46066298	46066313	Gmdrm	hypo	CG	-0.945
Gm02	46084809	46085019	Gmdrm	hypo	CG	-0.4517
Gm02	46085153	46085258	Gmdrm	hypo	CG	-0.739
Gm02	46120033	46120176	Gmdrm	hypo	CG	-0.3154
Gm02	46127030	46127138	Gmdrm	hypo	CG	-0.5967
Gm02	46141267	46141376	Gmdrm	hypo	CG	-0.4562
Gm02	46141684	46142314	Gmdrm	hypo	CG	-0.8912
Gm02	46143010	46143253	Gmdrm	hypo	CG	-0.9092
Gm02	46145615	46145715	Gmdrm	hypo	CG	-0.855
Gm02	46150799	46151033	Gmdrm	hypo	CG	-0.9129
Gm02	46151433	46151495	Gmdrm	hypo	CG	-0.6867
Gm02	46166070	46166190	Gmdrm	hypo	CG	-0.11
Gm02	46166326	46166477	Gmdrm	hypo	CG	-0.3983
Gm02	46174214	46174276	Gmdrm	hypo	CG	-0.166
Gm02	46220711	46220954	Gmdrm	hypo	CG	-0.8415
Gm02	46221130	46221203	Gmdrm	hypo	CG	-0.7484
Gm02	46246790	46246916	Gmdrm	hypo	CG	-0.058
Gm02	46274688	46274724	Gmdrm	hypo	CG	-0.6434

Gm02	46280773	46281069	Gmdrm	hypo	CG	-0.0838
Gm02	46341021	46341060	Gmdrm	hypo	CG	-0.2
Gm02	46368178	46368319	Gmdrm	hypo	CG	-0.7817
Gm02	46368676	46369318	Gmdrm	hypo	CG	-0.6095
Gm02	46373075	46373379	Gmdrm	hypo	CG	-0.5918
Gm02	46374088	46374730	Gmdrm	hypo	CG	-0.6042
Gm02	46379059	46379142	Gmdrm	hypo	CG	-0.4817
Gm02	46395604	46395724	Gmdrm	hypo	CG	-0.6937
Gm02	46402959	46403106	Gmdrm	hypo	CG	-0.062
Gm02	46428102	46428282	Gmdrm	hypo	CG	-0.7764
Gm02	46428396	46428509	Gmdrm	hypo	CG	-0.465
Gm02	46428787	46428950	Gmdrm	hypo	CG	-0.96
Gm02	46505758	46505948	Gmdrm	hypo	CG	-0.671
Gm02	46523806	46523876	Gmdrm	hypo	CG	-0.044
Gm02	46549666	46549790	Gmdrm	hypo	CG	-0.9382
Gm02	46557498	46558057	Gmdrm	hypo	CG	-0.5042
Gm02	46571470	46571524	Gmdrm	hypo	CG	-0.795
Gm02	46588210	46588406	Gmdrm	hypo	CG	-0.9038
Gm02	46592793	46592879	Gmdrm	hypo	CG	-0.6757
Gm02	46593225	46593825	Gmdrm	hypo	CG	-0.1923
Gm02	46639653	46639767	Gmdrm	hypo	CG	-0.072
Gm02	46673673	46673900	Gmdrm	hypo	CG	-0.0755
Gm02	46674061	46674586	Gmdrm	hypo	CG	-0.0877
Gm02	46675282	46675721	Gmdrm	hypo	CG	-0.6521
Gm02	46676799	46677056	Gmdrm	hypo	CG	-0.0475
Gm02	46693208	46693429	Gmdrm	hypo	CG	-0.2735
Gm02	46696919	46696982	Gmdrm	hypo	CG	-0.707
Gm02	46701891	46702116	Gmdrm	hypo	CG	-0.3582
Gm02	46705518	46705799	Gmdrm	hypo	CG	-0.2
Gm02	46761518	46761645	Gmdrm	hypo	CG	-0.6899
Gm02	46785086	46785276	Gmdrm	hypo	CG	-0.916
Gm02	46792749	46792814	Gmdrm	hypo	CG	-0.15
Gm02	46793008	46793278	Gmdrm	hypo	CG	-0.319
Gm02	46801767	46802213	Gmdrm	hypo	CG	-0.5512
Gm02	46819343	46819428	Gmdrm	hypo	CG	-0.0683
Gm02	46819551	46819576	Gmdrm	hypo	CG	-0.62
Gm02	46831629	46831684	Gmdrm	hypo	CG	-0.2084
Gm02	46832338	46832677	Gmdrm	hypo	CG	-0.1508
Gm02	46835658	46836002	Gmdrm	hypo	CG	-0.3363
Gm02	46836213	46836317	Gmdrm	hypo	CG	-0.7867
Gm02	46836563	46836718	Gmdrm	hypo	CG	-0.585
Gm02	46836892	46836965	Gmdrm	hypo	CG	-0.49
Gm02	46837503	46837581	Gmdrm	hypo	CG	-0.6167
Gm02	46839531	46839770	Gmdrm	hypo	CG	-0.2268
Gm02	46843930	46844039	Gmdrm	hypo	CG	-0.8763
Gm02	46844170	46844290	Gmdrm	hypo	CG	-0.975

Gm02	46844561	46844765	Gmdrm	hypo	CG	-0.6967
Gm02	46847861	46847919	Gmdrm	hypo	CG	-0.104
Gm02	46849215	46849488	Gmdrm	hypo	CG	-0.6239
Gm02	46852616	46852897	Gmdrm	hypo	CG	-0.4743
Gm02	46853183	46853287	Gmdrm	hypo	CG	-0.885
Gm02	46854392	46854470	Gmdrm	hypo	CG	-0.355
Gm02	46854803	46855078	Gmdrm	hypo	CG	-0.0246
Gm02	46858193	46858249	Gmdrm	hypo	CG	-0.7717
Gm02	46863978	46864580	Gmdrm	hypo	CG	-0.5594
Gm02	46865112	46865270	Gmdrm	hypo	CG	-0.77
Gm02	46866623	46866759	Gmdrm	hypo	CG	-0.6325
Gm02	46874047	46874363	Gmdrm	hypo	CG	-0.8462
Gm02	46879883	46880130	Gmdrm	hypo	CG	-0.8411
Gm02	46903944	46904110	Gmdrm	hypo	CG	-0.84
Gm02	46924479	46924884	Gmdrm	hypo	CG	-0.6795
Gm02	46938125	46938499	Gmdrm	hypo	CG	-0.851
Gm02	46996232	46996623	Gmdrm	hypo	CG	-0.0554
Gm02	47021857	47022044	Gmdrm	hypo	CG	-0.9695
Gm02	47082431	47082599	Gmdrm	hypo	CG	-0.7165
Gm02	47096626	47096642	Gmdrm	hypo	CG	-0.88
Gm02	47102429	47102650	Gmdrm	hypo	CG	-0.762
Gm02	47108543	47108581	Gmdrm	hypo	CG	-0.8567
Gm02	47109034	47109067	Gmdrm	hypo	CG	-0.5884
Gm02	47140241	47140574	Gmdrm	hypo	CG	-0.0734
Gm02	47146262	47146488	Gmdrm	hypo	CG	-0.4414
Gm02	47153218	47153300	Gmdrm	hypo	CG	-0.6765
Gm02	47172902	47173099	Gmdrm	hypo	CG	-0.7663
Gm02	47221540	47221581	Gmdrm	hypo	CG	-0.032
Gm02	47242287	47242379	Gmdrm	hypo	CG	-0.7225
Gm02	47276411	47276653	Gmdrm	hypo	CG	-0.833
Gm02	47276805	47276901	Gmdrm	hypo	CG	-0.4862
Gm02	47278047	47278290	Gmdrm	hypo	CG	-0.5987
Gm02	47320243	47320642	Gmdrm	hypo	CG	-0.7558
Gm02	47322440	47322482	Gmdrm	hypo	CG	-0.6183
Gm02	47327511	47327601	Gmdrm	hypo	CG	-0.0383
Gm02	47370413	47370592	Gmdrm	hypo	CG	-0.5875
Gm02	47370718	47370859	Gmdrm	hypo	CG	-0.8988
Gm02	47375657	47375714	Gmdrm	hypo	CG	-0.6563
Gm02	47391583	47391771	Gmdrm	hypo	CG	-0.068
Gm02	47392831	47393250	Gmdrm	hypo	CG	-0.8621
Gm02	47473093	47473137	Gmdrm	hypo	CG	-0.9767
Gm02	47514049	47514451	Gmdrm	hypo	CG	-0.0814
Gm02	47514883	47515144	Gmdrm	hypo	CG	-0.3775
Gm02	47515265	47515292	Gmdrm	hypo	CG	-0.5233
Gm02	47518898	47518944	Gmdrm	hypo	CG	-0.695
Gm02	47519504	47519794	Gmdrm	hypo	CG	-0.312

Gm02	47551932	47552110	Gmdrm	hypo	CG	-0.2705
Gm02	47573039	47573185	Gmdrm	hypo	CG	-0.044
Gm02	47585906	47585933	Gmdrm	hypo	CG	-0.965
Gm02	47588916	47589042	Gmdrm	hypo	CG	-0.04
Gm02	47609011	47609220	Gmdrm	hypo	CG	-0.6894
Gm02	47618638	47619046	Gmdrm	hypo	CG	-0.2251
Gm02	47620006	47620312	Gmdrm	hypo	CG	-0.93
Gm02	47639526	47639535	Gmdrm	hypo	CG	-0.67
Gm02	47674543	47674730	Gmdrm	hypo	CG	-0.375
Gm02	47675321	47675384	Gmdrm	hypo	CG	-0.212
Gm02	47675660	47675786	Gmdrm	hypo	CG	-0.4688
Gm02	47704825	47704961	Gmdrm	hypo	CG	-0.9
Gm02	47705368	47705465	Gmdrm	hypo	CG	-0.135
Gm02	47729227	47729285	Gmdrm	hypo	CG	-0.2049
Gm02	47744258	47744373	Gmdrm	hypo	CG	-0.6417
Gm02	47760719	47760772	Gmdrm	hypo	CG	-0.955
Gm02	47760895	47761033	Gmdrm	hypo	CG	-0.84
Gm02	47769003	47769229	Gmdrm	hypo	CG	-0.511
Gm02	47847674	47847808	Gmdrm	hypo	CG	-0.556
Gm02	47869908	47870010	Gmdrm	hypo	CG	-0.925
Gm02	47872129	47872308	Gmdrm	hypo	CG	-0.3854
Gm02	47872444	47872609	Gmdrm	hypo	CG	-0.867
Gm02	47872910	47873229	Gmdrm	hypo	CG	-0.3617
Gm02	47962016	47962277	Gmdrm	hypo	CG	-0.0621
Gm02	47993422	47993606	Gmdrm	hypo	CG	-0.6721
Gm02	47993861	47993959	Gmdrm	hypo	CG	-0.9744
Gm02	48007404	48007503	Gmdrm	hypo	CG	-0.0966
Gm02	48038787	48038889	Gmdrm	hypo	CG	-0.74
Gm02	48067854	48067960	Gmdrm	hypo	CG	-0.054
Gm02	48102661	48103121	Gmdrm	hypo	CG	-0.5964
Gm02	48103310	48103695	Gmdrm	hypo	CG	-0.6388
Gm02	48115550	48115740	Gmdrm	hypo	CG	-0.5654
Gm02	48144959	48145321	Gmdrm	hypo	CG	-0.925
Gm02	48168586	48168730	Gmdrm	hypo	CG	-0.7925
Gm02	48170116	48170385	Gmdrm	hypo	CG	-0.7276
Gm02	48172313	48172680	Gmdrm	hypo	CG	-0.6244
Gm02	48182724	48182884	Gmdrm	hypo	CG	-0.9415
Gm02	48203432	48203637	Gmdrm	hypo	CG	-0.9225
Gm02	48203746	48203858	Gmdrm	hypo	CG	-0.8912
Gm02	48204826	48205039	Gmdrm	hypo	CG	-0.1758
Gm02	48209536	48209688	Gmdrm	hypo	CG	-0.697
Gm02	48209968	48210173	Gmdrm	hypo	CG	-0.101
Gm02	48221746	48222011	Gmdrm	hypo	CG	-0.7943
Gm02	48260420	48260561	Gmdrm	hypo	CG	-0.8991
Gm02	48270409	48270523	Gmdrm	hypo	CG	-0.3728
Gm02	48296287	48296690	Gmdrm	hypo	CG	-0.5495

Gm02	48297030	48297184	Gmdrm	hypo	CG	-0.7575
Gm02	48297285	48297374	Gmdrm	hypo	CG	-0.51
Gm02	48319969	48320207	Gmdrm	hypo	CG	-0.9524
Gm02	48330315	48330504	Gmdrm	hypo	CG	-0.6129
Gm02	48330615	48330637	Gmdrm	hypo	CG	-0.695
Gm02	48339739	48339761	Gmdrm	hypo	CG	-0.0775
Gm02	48341852	48341987	Gmdrm	hypo	CG	-0.0595
Gm02	48343951	48344017	Gmdrm	hypo	CG	-0.0925
Gm02	48348674	48348749	Gmdrm	hypo	CG	-0.2825
Gm02	48359007	48359216	Gmdrm	hypo	CG	-0.8806
Gm02	48361277	48361654	Gmdrm	hypo	CG	-0.0757
Gm02	48362937	48363166	Gmdrm	hypo	CG	-0.6439
Gm02	48363388	48363502	Gmdrm	hypo	CG	-0.245
Gm02	48414358	48414450	Gmdrm	hypo	CG	-0.06
Gm02	48415142	48415375	Gmdrm	hypo	CG	-0.64
Gm02	48422152	48422241	Gmdrm	hypo	CG	-0.0667
Gm02	48448645	48448682	Gmdrm	hypo	CG	-0.5
Gm02	48461170	48461378	Gmdrm	hypo	CG	-0.615
Gm02	48464719	48465383	Gmdrm	hypo	CG	-0.3394
Gm02	48478860	48478982	Gmdrm	hypo	CG	-0.038
Gm02	48544957	48545469	Gmdrm	hypo	CG	-0.7108
Gm02	48554899	48554920	Gmdrm	hypo	CG	-0.8967
Gm02	48557422	48557874	Gmdrm	hypo	CG	-0.5776
Gm02	48638133	48638507	Gmdrm	hypo	CG	-0.6124
Gm02	48668316	48668384	Gmdrm	hypo	CG	-0.7566
Gm02	48676462	48676748	Gmdrm	hypo	CG	-0.0433
Gm02	48699570	48700100	Gmdrm	hypo	CG	-0.1192
Gm02	48719672	48719958	Gmdrm	hypo	CG	-0.7922
Gm02	48720376	48720517	Gmdrm	hypo	CG	-0.7008
Gm02	48765330	48765384	Gmdrm	hypo	CG	-0.56
Gm02	48767043	48767214	Gmdrm	hypo	CG	-0.5143
Gm02	48797980	48798085	Gmdrm	hypo	CG	-0.9134
Gm02	48798777	48799007	Gmdrm	hypo	CG	-0.7412
Gm02	48799251	48799401	Gmdrm	hypo	CG	-0.3093
Gm02	48799539	48799795	Gmdrm	hypo	CG	-0.0827
Gm02	48799897	48800005	Gmdrm	hypo	CG	-0.187
Gm02	48814989	48815045	Gmdrm	hypo	CG	-0.044
Gm02	48833219	48833352	Gmdrm	hypo	CG	-0.6567
Gm02	48895959	48896017	Gmdrm	hypo	CG	-0.9567
Gm02	48898027	48898111	Gmdrm	hypo	CG	-0.5591
Gm02	48898409	48898645	Gmdrm	hypo	CG	-0.5816
Gm02	48899184	48899379	Gmdrm	hypo	CG	-0.7958
Gm02	48917407	48917524	Gmdrm	hypo	CG	-0.915
Gm02	48998833	48999075	Gmdrm	hypo	CG	-0.8118
Gm02	49023712	49023843	Gmdrm	hypo	CG	-0.8899
Gm02	49041103	49041174	Gmdrm	hypo	CG	-0.31

Gm02	49047313	49047347 Gmdrm	hypo	CG	-0.8567
Gm02	49047653	49048029 Gmdrm	hypo	CG	-0.7977
Gm02	49066092	49066482 Gmdrm	hypo	CG	-0.3847
Gm02	49102628	49102981 Gmdrm	hypo	CG	-0.497
Gm02	49104043	49104159 Gmdrm	hypo	CG	-0.7462
Gm02	49134745	49134967 Gmdrm	hypo	CG	-0.2964
Gm02	49153977	49154139 Gmdrm	hypo	CG	-0.4783
Gm02	49204427	49204622 Gmdrm	hypo	CG	-0.8154
Gm02	49222064	49222390 Gmdrm	hypo	CG	-0.2885
Gm02	49223141	49223204 Gmdrm	hypo	CG	-0.865
Gm02	49238765	49238955 Gmdrm	hypo	CG	-0.1819
Gm02	49245546	49245792 Gmdrm	hypo	CG	-0.4567
Gm02	49275529	49275698 Gmdrm	hypo	CG	-0.914
Gm02	49320960	49321046 Gmdrm	hypo	CG	-0.6617
Gm02	49348594	49348768 Gmdrm	hypo	CG	-0.4087
Gm02	49348928	49349047 Gmdrm	hypo	CG	-0.0405
Gm02	49431992	49432149 Gmdrm	hypo	CG	-0.625
Gm02	49549120	49549336 Gmdrm	hypo	CG	-0.925
Gm02	49571488	49571794 Gmdrm	hypo	CG	-0.1192
Gm02	49572233	49572289 Gmdrm	hypo	CG	-0.7533
Gm02	49577793	49577903 Gmdrm	hypo	CG	-0.8175
Gm02	49596115	49596302 Gmdrm	hypo	CG	-0.1233
Gm02	49596420	49596514 Gmdrm	hypo	CG	-0.2124
Gm02	49611412	49611533 Gmdrm	hypo	CG	-0.4713
Gm02	49614152	49614252 Gmdrm	hypo	CG	-0.885
Gm02	49620624	49621266 Gmdrm	hypo	CG	-0.0321
Gm02	49642038	49642600 Gmdrm	hypo	CG	-0.0216
Gm02	49658747	49659056 Gmdrm	hypo	CG	-0.4969
Gm02	49677182	49677623 Gmdrm	hypo	CG	-0.305
Gm02	49696026	49696266 Gmdrm	hypo	CG	-0.5242
Gm02	49710088	49710298 Gmdrm	hypo	CG	-0.8712
Gm02	49710652	49710677 Gmdrm	hypo	CG	-0.8933
Gm02	49711416	49711663 Gmdrm	hypo	CG	-0.255
Gm02	49713420	49713588 Gmdrm	hypo	CG	-0.6867
Gm02	49740910	49740981 Gmdrm	hypo	CG	-0.7416
Gm02	49741114	49741180 Gmdrm	hypo	CG	-0.7833
Gm02	49764648	49764840 Gmdrm	hypo	CG	-0.9216
Gm02	49805245	49805380 Gmdrm	hypo	CG	-0.122
Gm02	49844188	49844513 Gmdrm	hypo	CG	-0.3106
Gm02	49844870	49845170 Gmdrm	hypo	CG	-0.3263
Gm02	49850864	49851138 Gmdrm	hypo	CG	-0.685
Gm02	49855345	49855540 Gmdrm	hypo	CG	-0.9494
Gm02	49870295	49870407 Gmdrm	hypo	CG	-0.9564
Gm02	49872884	49872969 Gmdrm	hypo	CG	-0.042
Gm02	49902624	49902658 Gmdrm	hypo	CG	-0.075
Gm02	49921180	49921318 Gmdrm	hypo	CG	-0.5263

Gm02	49921517	49921655	Gmdrm	hypo	CG	-0.6667
Gm02	49937700	49937871	Gmdrm	hypo	CG	-0.705
Gm02	49944309	49944325	Gmdrm	hypo	CG	-0.095
Gm02	49977229	49977329	Gmdrm	hypo	CG	-0.714
Gm02	50033983	50034301	Gmdrm	hypo	CG	-0.7517
Gm02	50054422	50054488	Gmdrm	hypo	CG	-0.58
Gm02	50090519	50090708	Gmdrm	hypo	CG	-0.6906
Gm02	50098064	50098225	Gmdrm	hypo	CG	-0.458
Gm02	50116608	50116968	Gmdrm	hypo	CG	-0.4195
Gm02	50145858	50145966	Gmdrm	hypo	CG	-0.3587
Gm02	50146670	50146793	Gmdrm	hypo	CG	-0.1436
Gm02	50149584	50149625	Gmdrm	hypo	CG	-0.4016
Gm02	50186694	50186794	Gmdrm	hypo	CG	-0.86
Gm02	50194439	50194727	Gmdrm	hypo	CG	-0.466
Gm02	50194952	50195047	Gmdrm	hypo	CG	-0.766
Gm02	50195179	50195236	Gmdrm	hypo	CG	-0.2534
Gm02	50197538	50198160	Gmdrm	hypo	CG	-0.1963
Gm02	50269187	50269498	Gmdrm	hypo	CG	-0.9566
Gm02	50382856	50382890	Gmdrm	hypo	CG	-0.545
Gm02	50383072	50383146	Gmdrm	hypo	CG	-0.855
Gm02	50383543	50383809	Gmdrm	hypo	CG	-0.882
Gm02	50397783	50397863	Gmdrm	hypo	CG	-0.7033
Gm02	50398426	50398551	Gmdrm	hypo	CG	-0.043
Gm02_scaffo	24882	25393	Gmdrm	hypo	CG	-0.0294
Gm03	29442	29579	Gmdrm	hypo	CG	-0.0975
Gm03	30160	30252	Gmdrm	hypo	CG	-0.875
Gm03	116414	116616	Gmdrm	hypo	CG	-0.576
Gm03	119282	119610	Gmdrm	hypo	CG	-0.055
Gm03	125610	125825	Gmdrm	hypo	CG	-0.0405
Gm03	131411	131540	Gmdrm	hypo	CG	-0.9328
Gm03	131670	131687	Gmdrm	hypo	CG	-0.9316
Gm03	137756	138057	Gmdrm	hypo	CG	-0.5531
Gm03	166462	166584	Gmdrm	hypo	CG	-0.6213
Gm03	167236	167449	Gmdrm	hypo	CG	-0.5912
Gm03	187091	187261	Gmdrm	hypo	CG	-0.7216
Gm03	197864	197966	Gmdrm	hypo	CG	-0.6866
Gm03	220841	221256	Gmdrm	hypo	CG	-0.4578
Gm03	231248	231431	Gmdrm	hypo	CG	-0.7657
Gm03	259259	259281	Gmdrm	hypo	CG	-0.5533
Gm03	275403	275640	Gmdrm	hypo	CG	-0.3142
Gm03	278139	278328	Gmdrm	hypo	CG	-0.5219
Gm03	279353	279520	Gmdrm	hypo	CG	-0.5317
Gm03	280442	280546	Gmdrm	hypo	CG	-0.534
Gm03	331064	331299	Gmdrm	hypo	CG	-0.5937
Gm03	333892	334142	Gmdrm	hypo	CG	-0.8592
Gm03	337051	337717	Gmdrm	hypo	CG	-0.1738

Gm03	348440	348715 Gmdrm	hypo	CG	-0.78
Gm03	364097	364282 Gmdrm	hypo	CG	-0.89
Gm03	384037	384196 Gmdrm	hypo	CG	-0.6467
Gm03	384369	384414 Gmdrm	hypo	CG	-0.4433
Gm03	384532	384742 Gmdrm	hypo	CG	-0.0887
Gm03	397458	397641 Gmdrm	hypo	CG	-0.4064
Gm03	405074	405267 Gmdrm	hypo	CG	-0.3711
Gm03	425611	425683 Gmdrm	hypo	CG	-0.9627
Gm03	433159	433452 Gmdrm	hypo	CG	-0.0575
Gm03	451039	451124 Gmdrm	hypo	CG	-0.7117
Gm03	451308	451422 Gmdrm	hypo	CG	-0.8617
Gm03	463530	463594 Gmdrm	hypo	CG	-0.0583
Gm03	471533	471662 Gmdrm	hypo	CG	-0.2875
Gm03	481061	481724 Gmdrm	hypo	CG	-0.0553
Gm03	483399	483548 Gmdrm	hypo	CG	-0.6342
Gm03	492754	492826 Gmdrm	hypo	CG	-0.9575
Gm03	499635	499862 Gmdrm	hypo	CG	-0.3106
Gm03	504602	504798 Gmdrm	hypo	CG	-0.5516
Gm03	528176	528394 Gmdrm	hypo	CG	-0.2887
Gm03	533701	533717 Gmdrm	hypo	CG	-0.7683
Gm03	533825	534041 Gmdrm	hypo	CG	-0.7825
Gm03	534859	535239 Gmdrm	hypo	CG	-0.8666
Gm03	538342	538522 Gmdrm	hypo	CG	-0.4383
Gm03	543525	543707 Gmdrm	hypo	CG	-0.565
Gm03	554779	554835 Gmdrm	hypo	CG	-0.9484
Gm03	588315	588449 Gmdrm	hypo	CG	-0.9213
Gm03	625020	625233 Gmdrm	hypo	CG	-0.4125
Gm03	634042	634111 Gmdrm	hypo	CG	-0.7834
Gm03	634947	635190 Gmdrm	hypo	CG	-0.75
Gm03	656099	656259 Gmdrm	hypo	CG	-0.0838
Gm03	661693	661726 Gmdrm	hypo	CG	-0.9567
Gm03	671018	671180 Gmdrm	hypo	CG	-0.6975
Gm03	679246	679302 Gmdrm	hypo	CG	-0.8187
Gm03	680121	680452 Gmdrm	hypo	CG	-0.4507
Gm03	690311	690485 Gmdrm	hypo	CG	-0.854
Gm03	702545	703060 Gmdrm	hypo	CG	-0.3596
Gm03	703176	703251 Gmdrm	hypo	CG	-0.195
Gm03	714532	714747 Gmdrm	hypo	CG	-0.4416
Gm03	719104	719170 Gmdrm	hypo	CG	-0.575
Gm03	720259	720822 Gmdrm	hypo	CG	-0.61
Gm03	729378	729488 Gmdrm	hypo	CG	-0.12
Gm03	734717	734770 Gmdrm	hypo	CG	-0.8917
Gm03	749310	749455 Gmdrm	hypo	CG	-0.395
Gm03	750124	750192 Gmdrm	hypo	CG	-0.1
Gm03	750461	750581 Gmdrm	hypo	CG	-0.0758
Gm03	750706	750905 Gmdrm	hypo	CG	-0.0557

Gm03	751697	751840	Gmdrm	hypo	CG	-0.769
Gm03	815568	815617	Gmdrm	hypo	CG	-0.9366
Gm03	835919	836057	Gmdrm	hypo	CG	-0.832
Gm03	844753	844816	Gmdrm	hypo	CG	-0.4333
Gm03	850500	850645	Gmdrm	hypo	CG	-0.647
Gm03	869446	869513	Gmdrm	hypo	CG	-0.6263
Gm03	878340	878445	Gmdrm	hypo	CG	-0.94
Gm03	888341	888481	Gmdrm	hypo	CG	-0.4421
Gm03	890122	890337	Gmdrm	hypo	CG	-0.224
Gm03	896840	896883	Gmdrm	hypo	CG	-0.5433
Gm03	918476	918594	Gmdrm	hypo	CG	-0.43
Gm03	918697	918802	Gmdrm	hypo	CG	-0.349
Gm03	941595	941773	Gmdrm	hypo	CG	-0.5967
Gm03	957984	958177	Gmdrm	hypo	CG	-0.585
Gm03	958338	958434	Gmdrm	hypo	CG	-0.5814
Gm03	1023093	1023174	Gmdrm	hypo	CG	-0.424
Gm03	1033578	1033735	Gmdrm	hypo	CG	-0.9747
Gm03	1033865	1033993	Gmdrm	hypo	CG	-0.789
Gm03	1040182	1040262	Gmdrm	hypo	CG	-0.6417
Gm03	1051837	1051916	Gmdrm	hypo	CG	-0.925
Gm03	1052047	1052112	Gmdrm	hypo	CG	-0.7916
Gm03	1058603	1058709	Gmdrm	hypo	CG	-0.844
Gm03	1058825	1059079	Gmdrm	hypo	CG	-0.9089
Gm03	1099659	1099757	Gmdrm	hypo	CG	-0.113
Gm03	1115848	1116156	Gmdrm	hypo	CG	-0.3255
Gm03	1116425	1116734	Gmdrm	hypo	CG	-0.6129
Gm03	1117402	1117464	Gmdrm	hypo	CG	-0.2083
Gm03	1117607	1117948	Gmdrm	hypo	CG	-0.1464
Gm03	1152697	1152825	Gmdrm	hypo	CG	-0.095
Gm03	1159767	1159828	Gmdrm	hypo	CG	-0.79
Gm03	1166594	1166625	Gmdrm	hypo	CG	-0.5566
Gm03	1193255	1193413	Gmdrm	hypo	CG	-0.4708
Gm03	1209116	1209237	Gmdrm	hypo	CG	-0.5567
Gm03	1216207	1216559	Gmdrm	hypo	CG	-0.0361
Gm03	1227940	1228314	Gmdrm	hypo	CG	-0.0677
Gm03	1268360	1268646	Gmdrm	hypo	CG	-0.298
Gm03	1274220	1274441	Gmdrm	hypo	CG	-0.81
Gm03	1274666	1274770	Gmdrm	hypo	CG	-0.32
Gm03	1275954	1276057	Gmdrm	hypo	CG	-0.669
Gm03	1276372	1276511	Gmdrm	hypo	CG	-0.5825
Gm03	1278094	1278204	Gmdrm	hypo	CG	-0.7
Gm03	1278555	1278725	Gmdrm	hypo	CG	-0.8476
Gm03	1282131	1282179	Gmdrm	hypo	CG	-0.3363
Gm03	1298669	1298773	Gmdrm	hypo	CG	-0.11
Gm03	1307499	1307607	Gmdrm	hypo	CG	-0.9467
Gm03	1307808	1307986	Gmdrm	hypo	CG	-0.8692

Gm03	1310319	1310558 Gmdrm	hypo	CG	-0.0292
Gm03	1310842	1310975 Gmdrm	hypo	CG	-0.932
Gm03	1333614	1333738 Gmdrm	hypo	CG	-0.8675
Gm03	1338596	1339113 Gmdrm	hypo	CG	-0.7204
Gm03	1388618	1388710 Gmdrm	hypo	CG	-0.843
Gm03	1416163	1416431 Gmdrm	hypo	CG	-0.7845
Gm03	1422212	1422276 Gmdrm	hypo	CG	-0.3725
Gm03	1431275	1431687 Gmdrm	hypo	CG	-0.4669
Gm03	1432418	1432569 Gmdrm	hypo	CG	-0.91
Gm03	1437329	1437452 Gmdrm	hypo	CG	-0.39
Gm03	1461754	1461922 Gmdrm	hypo	CG	-0.6777
Gm03	1462713	1462807 Gmdrm	hypo	CG	-0.8
Gm03	1478563	1478716 Gmdrm	hypo	CG	-0.618
Gm03	1479025	1479126 Gmdrm	hypo	CG	-0.5916
Gm03	1481404	1481463 Gmdrm	hypo	CG	-0.7487
Gm03	1504123	1504764 Gmdrm	hypo	CG	-0.8878
Gm03	1504908	1504971 Gmdrm	hypo	CG	-0.948
Gm03	1519531	1519616 Gmdrm	hypo	CG	-0.42
Gm03	1550101	1550187 Gmdrm	hypo	CG	-0.48
Gm03	1573026	1573249 Gmdrm	hypo	CG	-0.4777
Gm03	1576826	1577016 Gmdrm	hypo	CG	-0.6434
Gm03	1583304	1583455 Gmdrm	hypo	CG	-0.1355
Gm03	1619091	1619359 Gmdrm	hypo	CG	-0.0417
Gm03	1627799	1627931 Gmdrm	hypo	CG	-0.624
Gm03	1634937	1635015 Gmdrm	hypo	CG	-0.182
Gm03	1636432	1636596 Gmdrm	hypo	CG	-0.662
Gm03	1654777	1654930 Gmdrm	hypo	CG	-0.41
Gm03	1659353	1659644 Gmdrm	hypo	CG	-0.6161
Gm03	1678188	1678351 Gmdrm	hypo	CG	-0.4474
Gm03	1685543	1685583 Gmdrm	hypo	CG	-0.89
Gm03	1698802	1698908 Gmdrm	hypo	CG	-0.4216
Gm03	1728570	1728732 Gmdrm	hypo	CG	-0.1212
Gm03	1739961	1740056 Gmdrm	hypo	CG	-0.8072
Gm03	1741069	1741238 Gmdrm	hypo	CG	-0.1309
Gm03	1744260	1744445 Gmdrm	hypo	CG	-0.71
Gm03	1758296	1758557 Gmdrm	hypo	CG	-0.5315
Gm03	1808430	1808528 Gmdrm	hypo	CG	-0.165
Gm03	1809656	1809721 Gmdrm	hypo	CG	-0.71
Gm03	1809994	1810149 Gmdrm	hypo	CG	-0.3197
Gm03	1815365	1815530 Gmdrm	hypo	CG	-0.2068
Gm03	1818164	1818191 Gmdrm	hypo	CG	-0.955
Gm03	1830822	1830991 Gmdrm	hypo	CG	-0.042
Gm03	1852406	1852474 Gmdrm	hypo	CG	-0.0333
Gm03	1860443	1860694 Gmdrm	hypo	CG	-0.4891
Gm03	1861033	1861211 Gmdrm	hypo	CG	-0.57
Gm03	1875199	1875264 Gmdrm	hypo	CG	-0.9

Gm03	1905393	1905616 Gmdrm	hypo	CG	-0.2134
Gm03	1907278	1907342 Gmdrm	hypo	CG	-0.5875
Gm03	1950422	1950598 Gmdrm	hypo	CG	-0.8973
Gm03	1950738	1950846 Gmdrm	hypo	CG	-0.7643
Gm03	1953755	1953921 Gmdrm	hypo	CG	-0.128
Gm03	1954263	1954296 Gmdrm	hypo	CG	-0.9667
Gm03	1972459	1972690 Gmdrm	hypo	CG	-0.6385
Gm03	1980520	1980640 Gmdrm	hypo	CG	-0.7934
Gm03	1998502	1998575 Gmdrm	hypo	CG	-0.7833
Gm03	2011026	2011093 Gmdrm	hypo	CG	-0.528
Gm03	2020566	2021054 Gmdrm	hypo	CG	-0.875
Gm03	2030517	2030671 Gmdrm	hypo	CG	-0.4263
Gm03	2042381	2042618 Gmdrm	hypo	CG	-0.96
Gm03	2060105	2060736 Gmdrm	hypo	CG	-0.2594
Gm03	2064703	2064857 Gmdrm	hypo	CG	-0.9022
Gm03	2078933	2078958 Gmdrm	hypo	CG	-0.5175
Gm03	2154011	2154041 Gmdrm	hypo	CG	-0.7512
Gm03	2169095	2169148 Gmdrm	hypo	CG	-0.034
Gm03	2185778	2185894 Gmdrm	hypo	CG	-0.7012
Gm03	2194052	2194204 Gmdrm	hypo	CG	-0.5766
Gm03	2209426	2209556 Gmdrm	hypo	CG	-0.582
Gm03	2213739	2213899 Gmdrm	hypo	CG	-0.9669
Gm03	2215414	2215510 Gmdrm	hypo	CG	-0.732
Gm03	2237367	2237604 Gmdrm	hypo	CG	-0.2756
Gm03	2263937	2264151 Gmdrm	hypo	CG	-0.6718
Gm03	2264679	2264918 Gmdrm	hypo	CG	-0.2157
Gm03	2269778	2269868 Gmdrm	hypo	CG	-0.8517
Gm03	2283244	2283358 Gmdrm	hypo	CG	-0.8731
Gm03	2306689	2306822 Gmdrm	hypo	CG	-0.44
Gm03	2308903	2309145 Gmdrm	hypo	CG	-0.432
Gm03	2323415	2323655 Gmdrm	hypo	CG	-0.3033
Gm03	2325184	2325498 Gmdrm	hypo	CG	-0.1542
Gm03	2326498	2326891 Gmdrm	hypo	CG	-0.3173
Gm03	2328293	2328492 Gmdrm	hypo	CG	-0.03
Gm03	2352894	2353296 Gmdrm	hypo	CG	-0.3472
Gm03	2359505	2359742 Gmdrm	hypo	CG	-0.6309
Gm03	2361028	2361258 Gmdrm	hypo	CG	-0.1775
Gm03	2361639	2361864 Gmdrm	hypo	CG	-0.808
Gm03	2362438	2362851 Gmdrm	hypo	CG	-0.1286
Gm03	2370410	2370666 Gmdrm	hypo	CG	-0.6455
Gm03	2375348	2375661 Gmdrm	hypo	CG	-0.0423
Gm03	2380032	2380332 Gmdrm	hypo	CG	-0.1512
Gm03	2395749	2395868 Gmdrm	hypo	CG	-0.8867
Gm03	2402216	2402407 Gmdrm	hypo	CG	-0.5963
Gm03	2402972	2403016 Gmdrm	hypo	CG	-0.785
Gm03	2404173	2404201 Gmdrm	hypo	CG	-0.896

Gm03	2408185	2408253	Gmdrm	hypo	CG	-0.7667
Gm03	2408488	2408737	Gmdrm	hypo	CG	-0.7187
Gm03	2409272	2409493	Gmdrm	hypo	CG	-0.0438
Gm03	2411062	2411302	Gmdrm	hypo	CG	-0.9223
Gm03	2413531	2413702	Gmdrm	hypo	CG	-0.7924
Gm03	2435716	2435902	Gmdrm	hypo	CG	-0.513
Gm03	2438042	2438315	Gmdrm	hypo	CG	-0.3245
Gm03	2454078	2454419	Gmdrm	hypo	CG	-0.1633
Gm03	2484482	2484599	Gmdrm	hypo	CG	-0.8212
Gm03	2485161	2485885	Gmdrm	hypo	CG	-0.0336
Gm03	2492848	2492952	Gmdrm	hypo	CG	-0.805
Gm03	2495552	2495581	Gmdrm	hypo	CG	-0.2967
Gm03	2498917	2498999	Gmdrm	hypo	CG	-0.9317
Gm03	2499443	2499563	Gmdrm	hypo	CG	-0.3583
Gm03	2509317	2509356	Gmdrm	hypo	CG	-0.97
Gm03	2527828	2527895	Gmdrm	hypo	CG	-0.6383
Gm03	2529096	2529191	Gmdrm	hypo	CG	-0.06
Gm03	2546019	2546444	Gmdrm	hypo	CG	-0.3172
Gm03	2556742	2556834	Gmdrm	hypo	CG	-0.232
Gm03	2561416	2561576	Gmdrm	hypo	CG	-0.4042
Gm03	2562219	2562444	Gmdrm	hypo	CG	-0.5209
Gm03	2603594	2603728	Gmdrm	hypo	CG	-0.1514
Gm03	2605021	2605214	Gmdrm	hypo	CG	-0.6567
Gm03	2632527	2632658	Gmdrm	hypo	CG	-0.4542
Gm03	2656031	2656268	Gmdrm	hypo	CG	-0.739
Gm03	2673914	2673962	Gmdrm	hypo	CG	-0.1749
Gm03	2676932	2676988	Gmdrm	hypo	CG	-0.187
Gm03	2690406	2690441	Gmdrm	hypo	CG	-0.27
Gm03	2690873	2691270	Gmdrm	hypo	CG	-0.3625
Gm03	2713012	2713389	Gmdrm	hypo	CG	-0.0198
Gm03	2744245	2744261	Gmdrm	hypo	CG	-0.9067
Gm03	2745389	2745534	Gmdrm	hypo	CG	-0.244
Gm03	2757725	2758136	Gmdrm	hypo	CG	-0.1109
Gm03	2767259	2767288	Gmdrm	hypo	CG	-0.605
Gm03	2767751	2768238	Gmdrm	hypo	CG	-0.2727
Gm03	2780141	2780380	Gmdrm	hypo	CG	-0.0989
Gm03	2780502	2780576	Gmdrm	hypo	CG	-0.316
Gm03	2790799	2790937	Gmdrm	hypo	CG	-0.05
Gm03	2812229	2812553	Gmdrm	hypo	CG	-0.49
Gm03	2828296	2828589	Gmdrm	hypo	CG	-0.0578
Gm03	2835243	2835540	Gmdrm	hypo	CG	-0.1659
Gm03	2838968	2839072	Gmdrm	hypo	CG	-0.5333
Gm03	2846777	2846878	Gmdrm	hypo	CG	-0.595
Gm03	2855890	2856276	Gmdrm	hypo	CG	-0.3462
Gm03	2856405	2856453	Gmdrm	hypo	CG	-0.1867
Gm03	2874140	2874486	Gmdrm	hypo	CG	-0.3992

Gm03	2875112	2875148 Gmdrm	hypo	CG	-0.3684
Gm03	2935006	2935143 Gmdrm	hypo	CG	-0.9325
Gm03	2935258	2935293 Gmdrm	hypo	CG	-0.8329
Gm03	2945301	2945501 Gmdrm	hypo	CG	-0.8487
Gm03	2947416	2947706 Gmdrm	hypo	CG	-0.4555
Gm03	2947867	2948119 Gmdrm	hypo	CG	-0.5019
Gm03	2990758	2990949 Gmdrm	hypo	CG	-0.1097
Gm03	2991209	2991440 Gmdrm	hypo	CG	-0.9059
Gm03	3002946	3002981 Gmdrm	hypo	CG	-0.0667
Gm03	3036324	3036438 Gmdrm	hypo	CG	-0.1875
Gm03	3046160	3046578 Gmdrm	hypo	CG	-0.972
Gm03	3046738	3046954 Gmdrm	hypo	CG	-0.8725
Gm03	3048338	3048675 Gmdrm	hypo	CG	-0.11
Gm03	3048940	3049145 Gmdrm	hypo	CG	-0.403
Gm03	3050218	3050256 Gmdrm	hypo	CG	-0.2316
Gm03	3051315	3051429 Gmdrm	hypo	CG	-0.561
Gm03	3051858	3052176 Gmdrm	hypo	CG	-0.6306
Gm03	3056124	3056166 Gmdrm	hypo	CG	-0.8513
Gm03	3061770	3061997 Gmdrm	hypo	CG	-0.442
Gm03	3066325	3066461 Gmdrm	hypo	CG	-0.8509
Gm03	3066807	3066905 Gmdrm	hypo	CG	-0.6688
Gm03	3076834	3077085 Gmdrm	hypo	CG	-0.7509
Gm03	3107870	3107923 Gmdrm	hypo	CG	-0.3616
Gm03	3119584	3119652 Gmdrm	hypo	CG	-0.598
Gm03	3120157	3120241 Gmdrm	hypo	CG	-0.2258
Gm03	3161254	3161810 Gmdrm	hypo	CG	-0.0757
Gm03	3162231	3162375 Gmdrm	hypo	CG	-0.7236
Gm03	3165450	3165770 Gmdrm	hypo	CG	-0.563
Gm03	3172646	3172811 Gmdrm	hypo	CG	-0.814
Gm03	3186321	3186416 Gmdrm	hypo	CG	-0.868
Gm03	3187345	3187653 Gmdrm	hypo	CG	-0.83
Gm03	3195047	3195249 Gmdrm	hypo	CG	-0.044
Gm03	3204934	3205020 Gmdrm	hypo	CG	-0.248
Gm03	3221554	3222236 Gmdrm	hypo	CG	-0.0425
Gm03	3240233	3240333 Gmdrm	hypo	CG	-0.165
Gm03	3257126	3257343 Gmdrm	hypo	CG	-0.028
Gm03	3283215	3283420 Gmdrm	hypo	CG	-0.74
Gm03	3288001	3288263 Gmdrm	hypo	CG	-0.809
Gm03	3294111	3294545 Gmdrm	hypo	CG	-0.5908
Gm03	3297215	3297237 Gmdrm	hypo	CG	-0.3034
Gm03	3306653	3307203 Gmdrm	hypo	CG	-0.0941
Gm03	3307966	3308046 Gmdrm	hypo	CG	-0.775
Gm03	3308239	3308527 Gmdrm	hypo	CG	-0.5527
Gm03	3318111	3318178 Gmdrm	hypo	CG	-0.7483
Gm03	3330703	3330868 Gmdrm	hypo	CG	-0.5414
Gm03	3356129	3356267 Gmdrm	hypo	CG	-0.1183

Gm03	3364144	3364262	Gmdrm	hypo	CG	-0.8534
Gm03	3429514	3429797	Gmdrm	hypo	CG	-0.1944
Gm03	3430161	3430410	Gmdrm	hypo	CG	-0.2609
Gm03	3432727	3433128	Gmdrm	hypo	CG	-0.0445
Gm03	3465807	3465882	Gmdrm	hypo	CG	-0.095
Gm03	3489369	3489429	Gmdrm	hypo	CG	-0.05
Gm03	3493492	3493812	Gmdrm	hypo	CG	-0.5314
Gm03	3502937	3503023	Gmdrm	hypo	CG	-0.31
Gm03	3503276	3503517	Gmdrm	hypo	CG	-0.1162
Gm03	3526603	3526698	Gmdrm	hypo	CG	-0.79
Gm03	3526824	3526953	Gmdrm	hypo	CG	-0.801
Gm03	3528688	3528992	Gmdrm	hypo	CG	-0.6171
Gm03	3556912	3557081	Gmdrm	hypo	CG	-0.9629
Gm03	3560174	3560326	Gmdrm	hypo	CG	-0.9574
Gm03	3583316	3583540	Gmdrm	hypo	CG	-0.495
Gm03	3631890	3632114	Gmdrm	hypo	CG	-0.4485
Gm03	3640431	3641165	Gmdrm	hypo	CG	-0.042
Gm03	3702602	3702652	Gmdrm	hypo	CG	-0.4367
Gm03	3717102	3717330	Gmdrm	hypo	CG	-0.12
Gm03	3734353	3734526	Gmdrm	hypo	CG	-0.0772
Gm03	3749462	3749676	Gmdrm	hypo	CG	-0.6014
Gm03	3771643	3771754	Gmdrm	hypo	CG	-0.6795
Gm03	3792713	3792897	Gmdrm	hypo	CG	-0.3338
Gm03	3812630	3812988	Gmdrm	hypo	CG	-0.2418
Gm03	3813097	3813204	Gmdrm	hypo	CG	-0.1407
Gm03	3837197	3837246	Gmdrm	hypo	CG	-0.5012
Gm03	3845796	3845924	Gmdrm	hypo	CG	-0.755
Gm03	3868356	3868391	Gmdrm	hypo	CG	-0.7738
Gm03	3870021	3870060	Gmdrm	hypo	CG	-0.9416
Gm03	3870184	3870266	Gmdrm	hypo	CG	-0.865
Gm03	3907945	3908114	Gmdrm	hypo	CG	-0.5634
Gm03	3912197	3912559	Gmdrm	hypo	CG	-0.5393
Gm03	3913782	3914006	Gmdrm	hypo	CG	-0.3621
Gm03	3926615	3926727	Gmdrm	hypo	CG	-0.831
Gm03	3927306	3927457	Gmdrm	hypo	CG	-0.6216
Gm03	3931239	3931510	Gmdrm	hypo	CG	-0.9134
Gm03	3946332	3946529	Gmdrm	hypo	CG	-0.3255
Gm03	3961981	3962108	Gmdrm	hypo	CG	-0.8992
Gm03	3965281	3965435	Gmdrm	hypo	CG	-0.7049
Gm03	3969123	3969507	Gmdrm	hypo	CG	-0.5991
Gm03	3995098	3995333	Gmdrm	hypo	CG	-0.204
Gm03	3995578	3995734	Gmdrm	hypo	CG	-0.6067
Gm03	4004560	4004716	Gmdrm	hypo	CG	-0.245
Gm03	4013830	4014015	Gmdrm	hypo	CG	-0.4187
Gm03	4023128	4023241	Gmdrm	hypo	CG	-0.3679
Gm03	4027559	4028042	Gmdrm	hypo	CG	-0.0937

Gm03	4028614	4028849	Gmdrm	hypo	CG	-0.1825
Gm03	4034199	4034287	Gmdrm	hypo	CG	-0.5167
Gm03	4040541	4041009	Gmdrm	hypo	CG	-0.834
Gm03	4042214	4042586	Gmdrm	hypo	CG	-0.1584
Gm03	4045312	4045564	Gmdrm	hypo	CG	-0.7089
Gm03	4045738	4046000	Gmdrm	hypo	CG	-0.2514
Gm03	4049492	4049899	Gmdrm	hypo	CG	-0.24
Gm03	4057361	4057547	Gmdrm	hypo	CG	-0.0467
Gm03	4082638	4082723	Gmdrm	hypo	CG	-0.7366
Gm03	4083006	4083046	Gmdrm	hypo	CG	-0.9583
Gm03	4327802	4328709	Gmdrm	hypo	CG	-0.1969
Gm03	4332127	4332491	Gmdrm	hypo	CG	-0.07
Gm03	4335224	4335448	Gmdrm	hypo	CG	-0.0979
Gm03	4343214	4343370	Gmdrm	hypo	CG	-0.105
Gm03	4359334	4359778	Gmdrm	hypo	CG	-0.0515
Gm03	4367107	4367453	Gmdrm	hypo	CG	-0.0773
Gm03	4383005	4383161	Gmdrm	hypo	CG	-0.4957
Gm03	4383634	4383832	Gmdrm	hypo	CG	-0.6191
Gm03	4396222	4396320	Gmdrm	hypo	CG	-0.688
Gm03	4443617	4443917	Gmdrm	hypo	CG	-0.6716
Gm03	4473857	4473911	Gmdrm	hypo	CG	-0.8284
Gm03	4497093	4497259	Gmdrm	hypo	CG	-0.495
Gm03	4500859	4501132	Gmdrm	hypo	CG	-0.41
Gm03	4534263	4534365	Gmdrm	hypo	CG	-0.1157
Gm03	4544447	4544528	Gmdrm	hypo	CG	-0.0667
Gm03	4558335	4558430	Gmdrm	hypo	CG	-0.1516
Gm03	4561124	4561253	Gmdrm	hypo	CG	-0.1784
Gm03	4563603	4563711	Gmdrm	hypo	CG	-0.2329
Gm03	4605256	4605659	Gmdrm	hypo	CG	-0.2745
Gm03	4608652	4608787	Gmdrm	hypo	CG	-0.219
Gm03	4646953	4647055	Gmdrm	hypo	CG	-0.095
Gm03	4648697	4648800	Gmdrm	hypo	CG	-0.64
Gm03	4653201	4653456	Gmdrm	hypo	CG	-0.7707
Gm03	4659123	4659322	Gmdrm	hypo	CG	-0.6607
Gm03	4666105	4666714	Gmdrm	hypo	CG	-0.0646
Gm03	4679511	4679664	Gmdrm	hypo	CG	-0.69
Gm03	4680697	4680847	Gmdrm	hypo	CG	-0.1086
Gm03	4681292	4681423	Gmdrm	hypo	CG	-0.6011
Gm03	4681778	4682064	Gmdrm	hypo	CG	-0.5545
Gm03	4687149	4687333	Gmdrm	hypo	CG	-0.851
Gm03	4699246	4699736	Gmdrm	hypo	CG	-0.1153
Gm03	4707577	4707653	Gmdrm	hypo	CG	-0.865
Gm03	4710095	4710393	Gmdrm	hypo	CG	-0.44
Gm03	4730562	4730650	Gmdrm	hypo	CG	-0.2325
Gm03	4733331	4733471	Gmdrm	hypo	CG	-0.7949
Gm03	4736771	4737443	Gmdrm	hypo	CG	-0.4265

Gm03	4753499	4753731 Gmdrm	hypo	CG	-0.4684
Gm03	4763204	4763475 Gmdrm	hypo	CG	-0.4954
Gm03	4764134	4764304 Gmdrm	hypo	CG	-0.2312
Gm03	4765762	4765928 Gmdrm	hypo	CG	-0.6084
Gm03	4779752	4779900 Gmdrm	hypo	CG	-0.612
Gm03	4785798	4785996 Gmdrm	hypo	CG	-0.649
Gm03	4800493	4800620 Gmdrm	hypo	CG	-0.4667
Gm03	4846218	4846472 Gmdrm	hypo	CG	-0.6673
Gm03	4873452	4873526 Gmdrm	hypo	CG	-0.105
Gm03	4881130	4881334 Gmdrm	hypo	CG	-0.651
Gm03	4896561	4897237 Gmdrm	hypo	CG	-0.0561
Gm03	4901268	4901307 Gmdrm	hypo	CG	-0.671
Gm03	4904241	4904396 Gmdrm	hypo	CG	-0.6212
Gm03	4907889	4908147 Gmdrm	hypo	CG	-0.0464
Gm03	4920216	4920413 Gmdrm	hypo	CG	-0.4456
Gm03	4921018	4921336 Gmdrm	hypo	CG	-0.5058
Gm03	4975990	4976055 Gmdrm	hypo	CG	-0.132
Gm03	4982140	4982227 Gmdrm	hypo	CG	-0.9167
Gm03	4984726	4984906 Gmdrm	hypo	CG	-0.119
Gm03	4986618	4987180 Gmdrm	hypo	CG	-0.0961
Gm03	4996839	4997126 Gmdrm	hypo	CG	-0.4933
Gm03	4998514	4998595 Gmdrm	hypo	CG	-0.1184
Gm03	5001624	5001784 Gmdrm	hypo	CG	-0.7513
Gm03	5023820	5024320 Gmdrm	hypo	CG	-0.7746
Gm03	5030380	5030542 Gmdrm	hypo	CG	-0.6992
Gm03	5031499	5031633 Gmdrm	hypo	CG	-0.6833
Gm03	5035050	5035137 Gmdrm	hypo	CG	-0.1036
Gm03	5035245	5035417 Gmdrm	hypo	CG	-0.1225
Gm03	5039818	5039937 Gmdrm	hypo	CG	-0.5227
Gm03	5040069	5040263 Gmdrm	hypo	CG	-0.98
Gm03	5065174	5065482 Gmdrm	hypo	CG	-0.5984
Gm03	5066021	5066091 Gmdrm	hypo	CG	-0.2517
Gm03	5072906	5073064 Gmdrm	hypo	CG	-0.7009
Gm03	5075593	5076047 Gmdrm	hypo	CG	-0.158
Gm03	5076157	5076243 Gmdrm	hypo	CG	-0.593
Gm03	5078428	5078468 Gmdrm	hypo	CG	-0.0962
Gm03	5117584	5117702 Gmdrm	hypo	CG	-0.5433
Gm03	5120474	5120710 Gmdrm	hypo	CG	-0.0402
Gm03	5134310	5134391 Gmdrm	hypo	CG	-0.718
Gm03	5134992	5135260 Gmdrm	hypo	CG	-0.6438
Gm03	5135653	5135857 Gmdrm	hypo	CG	-0.19
Gm03	5137422	5137698 Gmdrm	hypo	CG	-0.2513
Gm03	5138042	5138126 Gmdrm	hypo	CG	-0.125
Gm03	5138611	5138973 Gmdrm	hypo	CG	-0.1965
Gm03	5139429	5139564 Gmdrm	hypo	CG	-0.176
Gm03	5145754	5146002 Gmdrm	hypo	CG	-0.32

Gm03	5159151	5159279	Gmdrm	hypo	CG	-0.9492
Gm03	5187644	5187800	Gmdrm	hypo	CG	-0.426
Gm03	5190637	5190859	Gmdrm	hypo	CG	-0.8066
Gm03	5211606	5211931	Gmdrm	hypo	CG	-0.7122
Gm03	5213045	5213162	Gmdrm	hypo	CG	-0.036
Gm03	5217932	5218177	Gmdrm	hypo	CG	-0.9417
Gm03	5253311	5253651	Gmdrm	hypo	CG	-0.1756
Gm03	5257292	5257379	Gmdrm	hypo	CG	-0.6107
Gm03	5271209	5271441	Gmdrm	hypo	CG	-0.7233
Gm03	5303817	5303977	Gmdrm	hypo	CG	-0.5546
Gm03	5306848	5307074	Gmdrm	hypo	CG	-0.0595
Gm03	5319057	5319233	Gmdrm	hypo	CG	-0.808
Gm03	5319347	5319458	Gmdrm	hypo	CG	-0.1811
Gm03	5319563	5319640	Gmdrm	hypo	CG	-0.3257
Gm03	5330513	5330544	Gmdrm	hypo	CG	-0.1566
Gm03	5331557	5331618	Gmdrm	hypo	CG	-0.7775
Gm03	5331741	5331755	Gmdrm	hypo	CG	-0.5716
Gm03	5353831	5353932	Gmdrm	hypo	CG	-0.9456
Gm03	5373756	5373842	Gmdrm	hypo	CG	-0.9667
Gm03	5395345	5395467	Gmdrm	hypo	CG	-0.6942
Gm03	5472303	5472410	Gmdrm	hypo	CG	-0.9371
Gm03	5505043	5505181	Gmdrm	hypo	CG	-0.0787
Gm03	5506206	5506509	Gmdrm	hypo	CG	-0.5453
Gm03	5513150	5513275	Gmdrm	hypo	CG	-0.882
Gm03	5516862	5517045	Gmdrm	hypo	CG	-0.6841
Gm03	5524157	5524342	Gmdrm	hypo	CG	-0.694
Gm03	5557037	5557137	Gmdrm	hypo	CG	-0.9283
Gm03	5711828	5711996	Gmdrm	hypo	CG	-0.6156
Gm03	5721853	5721962	Gmdrm	hypo	CG	-0.8984
Gm03	5761569	5761772	Gmdrm	hypo	CG	-0.4614
Gm03	5873012	5873118	Gmdrm	hypo	CG	-0.3733
Gm03	5873240	5873356	Gmdrm	hypo	CG	-0.5986
Gm03	5880758	5880993	Gmdrm	hypo	CG	-0.1705
Gm03	5882980	5883014	Gmdrm	hypo	CG	-0.318
Gm03	5904443	5904620	Gmdrm	hypo	CG	-0.6157
Gm03	5959366	5959524	Gmdrm	hypo	CG	-0.0842
Gm03	5966137	5966598	Gmdrm	hypo	CG	-0.1127
Gm03	6182101	6182122	Gmdrm	hypo	CG	-0.8034
Gm03	6182252	6182339	Gmdrm	hypo	CG	-0.8775
Gm03	6225854	6226181	Gmdrm	hypo	CG	-0.5021
Gm03	6227283	6227986	Gmdrm	hypo	CG	-0.1987
Gm03	6250893	6251351	Gmdrm	hypo	CG	-0.0352
Gm03	6274688	6275646	Gmdrm	hypo	CG	-0.036
Gm03	6362646	6362793	Gmdrm	hypo	CG	-0.14
Gm03	6399345	6399633	Gmdrm	hypo	CG	-0.7091
Gm03	6415226	6415238	Gmdrm	hypo	CG	-0.3

Gm03	6427563	6427691	Gmdrm	hypo	CG	-0.1213
Gm03	6429784	6430051	Gmdrm	hypo	CG	-0.1372
Gm03	6477829	6478179	Gmdrm	hypo	CG	-0.4296
Gm03	6484430	6484484	Gmdrm	hypo	CG	-0.7883
Gm03	6498179	6498359	Gmdrm	hypo	CG	-0.3813
Gm03	6522956	6523052	Gmdrm	hypo	CG	-0.0462
Gm03	6577927	6578388	Gmdrm	hypo	CG	-0.6335
Gm03	6578673	6579143	Gmdrm	hypo	CG	-0.5329
Gm03	6697570	6697717	Gmdrm	hypo	CG	-0.3918
Gm03	6713249	6713464	Gmdrm	hypo	CG	-0.7437
Gm03	6713762	6713890	Gmdrm	hypo	CG	-0.601
Gm03	6714764	6715140	Gmdrm	hypo	CG	-0.6918
Gm03	6716619	6716775	Gmdrm	hypo	CG	-0.4385
Gm03	6760370	6760528	Gmdrm	hypo	CG	-0.028
Gm03	6769866	6769934	Gmdrm	hypo	CG	-0.2292
Gm03	6814436	6814964	Gmdrm	hypo	CG	-0.0358
Gm03	6839306	6839367	Gmdrm	hypo	CG	-0.3617
Gm03	6879117	6879176	Gmdrm	hypo	CG	-0.0643
Gm03	6902781	6903087	Gmdrm	hypo	CG	-0.541
Gm03	6925716	6926226	Gmdrm	hypo	CG	-0.2056
Gm03	6948248	6948313	Gmdrm	hypo	CG	-0.9267
Gm03	7064922	7064935	Gmdrm	hypo	CG	-0.4084
Gm03	7073317	7073362	Gmdrm	hypo	CG	-0.645
Gm03	7103861	7103924	Gmdrm	hypo	CG	-0.3317
Gm03	7104514	7104760	Gmdrm	hypo	CG	-0.6545
Gm03	7120401	7120745	Gmdrm	hypo	CG	-0.0995
Gm03	7149032	7149236	Gmdrm	hypo	CG	-0.8583
Gm03	7149621	7149766	Gmdrm	hypo	CG	-0.665
Gm03	7150190	7150512	Gmdrm	hypo	CG	-0.5233
Gm03	7164587	7164835	Gmdrm	hypo	CG	-0.0617
Gm03	7179674	7179772	Gmdrm	hypo	CG	-0.4451
Gm03	7241184	7241565	Gmdrm	hypo	CG	-0.1525
Gm03	7248607	7249153	Gmdrm	hypo	CG	-0.0545
Gm03	7254704	7255125	Gmdrm	hypo	CG	-0.0367
Gm03	7319957	7320085	Gmdrm	hypo	CG	-0.1211
Gm03	7327361	7327802	Gmdrm	hypo	CG	-0.2523
Gm03	7328223	7328403	Gmdrm	hypo	CG	-0.2075
Gm03	7329166	7329343	Gmdrm	hypo	CG	-0.3712
Gm03	7454764	7454890	Gmdrm	hypo	CG	-0.0812
Gm03	7455812	7455938	Gmdrm	hypo	CG	-0.044
Gm03	7484773	7485410	Gmdrm	hypo	CG	-0.1479
Gm03	7636816	7637095	Gmdrm	hypo	CG	-0.4938
Gm03	7669760	7669909	Gmdrm	hypo	CG	-0.1358
Gm03	7750420	7750573	Gmdrm	hypo	CG	-0.7423
Gm03	7752184	7752336	Gmdrm	hypo	CG	-0.8038
Gm03	7752476	7752496	Gmdrm	hypo	CG	-0.3033

Gm03	7780544	7780687	Gmdrm	hypo	CG	-0.5867
Gm03	7787745	7787903	Gmdrm	hypo	CG	-0.3877
Gm03	7789768	7790328	Gmdrm	hypo	CG	-0.141
Gm03	7840889	7841030	Gmdrm	hypo	CG	-0.0756
Gm03	7843922	7843973	Gmdrm	hypo	CG	-0.6737
Gm03	7892474	7892730	Gmdrm	hypo	CG	-0.6975
Gm03	7987314	7987677	Gmdrm	hypo	CG	-0.0706
Gm03	7998345	7998490	Gmdrm	hypo	CG	-0.7871
Gm03	7998899	7999019	Gmdrm	hypo	CG	-0.8938
Gm03	8008402	8008648	Gmdrm	hypo	CG	-0.09
Gm03	8044118	8044508	Gmdrm	hypo	CG	-0.4888
Gm03	8050076	8050458	Gmdrm	hypo	CG	-0.2754
Gm03	8066971	8067156	Gmdrm	hypo	CG	-0.1921
Gm03	8071084	8071759	Gmdrm	hypo	CG	-0.1452
Gm03	8073482	8073700	Gmdrm	hypo	CG	-0.0378
Gm03	8229747	8229864	Gmdrm	hypo	CG	-0.0792
Gm03	8237909	8238064	Gmdrm	hypo	CG	-0.6317
Gm03	8289951	8290090	Gmdrm	hypo	CG	-0.0407
Gm03	8319891	8319953	Gmdrm	hypo	CG	-0.92
Gm03	8321435	8321460	Gmdrm	hypo	CG	-0.9617
Gm03	8335992	8336093	Gmdrm	hypo	CG	-0.1033
Gm03	8346725	8346862	Gmdrm	hypo	CG	-0.3487
Gm03	8361161	8361246	Gmdrm	hypo	CG	-0.3533
Gm03	8371060	8371235	Gmdrm	hypo	CG	-0.609
Gm03	8493938	8494047	Gmdrm	hypo	CG	-0.075
Gm03	8516141	8516212	Gmdrm	hypo	CG	-0.8287
Gm03	8519127	8519264	Gmdrm	hypo	CG	-0.28
Gm03	8519646	8519993	Gmdrm	hypo	CG	-0.4191
Gm03	8570475	8571140	Gmdrm	hypo	CG	-0.0272
Gm03	8579093	8579512	Gmdrm	hypo	CG	-0.141
Gm03	8733780	8733835	Gmdrm	hypo	CG	-0.1
Gm03	8746414	8746458	Gmdrm	hypo	CG	-0.57
Gm03	8751156	8751388	Gmdrm	hypo	CG	-0.026
Gm03	8812254	8812400	Gmdrm	hypo	CG	-0.956
Gm03	8813266	8813393	Gmdrm	hypo	CG	-0.895
Gm03	8813922	8813994	Gmdrm	hypo	CG	-0.8862
Gm03	8847702	8847765	Gmdrm	hypo	CG	-0.5466
Gm03	8848116	8848235	Gmdrm	hypo	CG	-0.2317
Gm03	9047732	9047920	Gmdrm	hypo	CG	-0.1487
Gm03	9081672	9082078	Gmdrm	hypo	CG	-0.0403
Gm03	9143761	9144115	Gmdrm	hypo	CG	-0.4067
Gm03	9148592	9148785	Gmdrm	hypo	CG	-0.2133
Gm03	9179245	9179555	Gmdrm	hypo	CG	-0.7288
Gm03	9191813	9191881	Gmdrm	hypo	CG	-0.49
Gm03	9304068	9304384	Gmdrm	hypo	CG	-0.4244
Gm03	9304569	9304653	Gmdrm	hypo	CG	-0.0849

Gm03	9311810	9311965	Gmdrm	hypo	CG	-0.0517
Gm03	9324414	9324757	Gmdrm	hypo	CG	-0.1566
Gm03	9326570	9326681	Gmdrm	hypo	CG	-0.216
Gm03	9596615	9596776	Gmdrm	hypo	CG	-0.2018
Gm03	9741792	9742037	Gmdrm	hypo	CG	-0.0987
Gm03	9881805	9881908	Gmdrm	hypo	CG	-0.205
Gm03	9923117	9923309	Gmdrm	hypo	CG	-0.0847
Gm03	10058534	10058631	Gmdrm	hypo	CG	-0.42
Gm03	10109151	10109184	Gmdrm	hypo	CG	-0.0633
Gm03	10195254	10195594	Gmdrm	hypo	CG	-0.7643
Gm03	10198537	10198866	Gmdrm	hypo	CG	-0.2546
Gm03	10202966	10203088	Gmdrm	hypo	CG	-0.1208
Gm03	10212435	10212773	Gmdrm	hypo	CG	-0.3475
Gm03	10214301	10214431	Gmdrm	hypo	CG	-0.5123
Gm03	10214821	10214982	Gmdrm	hypo	CG	-0.33
Gm03	10277274	10277465	Gmdrm	hypo	CG	-0.0652
Gm03	10313327	10313482	Gmdrm	hypo	CG	-0.8484
Gm03	10315049	10315098	Gmdrm	hypo	CG	-0.8967
Gm03	10321390	10321423	Gmdrm	hypo	CG	-0.716
Gm03	10324230	10324293	Gmdrm	hypo	CG	-0.2117
Gm03	10595882	10596003	Gmdrm	hypo	CG	-0.4887
Gm03	10600364	10600595	Gmdrm	hypo	CG	-0.799
Gm03	10613497	10613517	Gmdrm	hypo	CG	-0.3684
Gm03	10620728	10621065	Gmdrm	hypo	CG	-0.5008
Gm03	10642564	10642680	Gmdrm	hypo	CG	-0.114
Gm03	10650821	10651085	Gmdrm	hypo	CG	-0.0557
Gm03	10688630	10688994	Gmdrm	hypo	CG	-0.11
Gm03	10708451	10708547	Gmdrm	hypo	CG	-0.0568
Gm03	10719013	10719355	Gmdrm	hypo	CG	-0.0467
Gm03	10882934	10883033	Gmdrm	hypo	CG	-0.082
Gm03	10895757	10895811	Gmdrm	hypo	CG	-0.2283
Gm03	10906030	10906090	Gmdrm	hypo	CG	-0.1
Gm03	10906248	10906331	Gmdrm	hypo	CG	-0.0425
Gm03	11001018	11001481	Gmdrm	hypo	CG	-0.053
Gm03	11268872	11269345	Gmdrm	hypo	CG	-0.0526
Gm03	11431896	11432263	Gmdrm	hypo	CG	-0.1444
Gm03	11526238	11526324	Gmdrm	hypo	CG	-0.082
Gm03	11564803	11565783	Gmdrm	hypo	CG	-0.0373
Gm03	11574529	11574728	Gmdrm	hypo	CG	-0.0673
Gm03	11592883	11592991	Gmdrm	hypo	CG	-0.0382
Gm03	11597617	11597806	Gmdrm	hypo	CG	-0.0536
Gm03	11601730	11602350	Gmdrm	hypo	CG	-0.0196
Gm03	11644135	11644261	Gmdrm	hypo	CG	-0.091
Gm03	11765035	11765434	Gmdrm	hypo	CG	-0.0506
Gm03	11789824	11790325	Gmdrm	hypo	CG	-0.0418
Gm03	11823474	11823593	Gmdrm	hypo	CG	-0.1066

Gm03	11883770	11883973	Gmdrm	hypo	CG	-0.058
Gm03	11934051	11934114	Gmdrm	hypo	CG	-0.37
Gm03	11938690	11938837	Gmdrm	hypo	CG	-0.573
Gm03	11941273	11941658	Gmdrm	hypo	CG	-0.4125
Gm03	11965239	11965334	Gmdrm	hypo	CG	-0.265
Gm03	11976624	11976770	Gmdrm	hypo	CG	-0.67
Gm03	11979165	11979410	Gmdrm	hypo	CG	-0.855
Gm03	12000064	12000463	Gmdrm	hypo	CG	-0.0473
Gm03	12010817	12010927	Gmdrm	hypo	CG	-0.4534
Gm03	12061963	12062091	Gmdrm	hypo	CG	-0.1146
Gm03	12090334	12090552	Gmdrm	hypo	CG	-0.1138
Gm03	12139061	12139382	Gmdrm	hypo	CG	-0.0794
Gm03	12165400	12165422	Gmdrm	hypo	CG	-0.136
Gm03	12186391	12186853	Gmdrm	hypo	CG	-0.0506
Gm03	12280874	12280951	Gmdrm	hypo	CG	-0.1467
Gm03	12300309	12300740	Gmdrm	hypo	CG	-0.0332
Gm03	12308213	12308621	Gmdrm	hypo	CG	-0.1152
Gm03	12402118	12403107	Gmdrm	hypo	CG	-0.0366
Gm03	12447371	12447554	Gmdrm	hypo	CG	-0.5734
Gm03	12450610	12450698	Gmdrm	hypo	CG	-0.0936
Gm03	12596650	12596783	Gmdrm	hypo	CG	-0.6033
Gm03	12612842	12612991	Gmdrm	hypo	CG	-0.0433
Gm03	12633226	12633358	Gmdrm	hypo	CG	-0.1067
Gm03	12645510	12645686	Gmdrm	hypo	CG	-0.2311
Gm03	12650096	12650585	Gmdrm	hypo	CG	-0.0439
Gm03	12731885	12732884	Gmdrm	hypo	CG	-0.032
Gm03	12760743	12761378	Gmdrm	hypo	CG	-0.0579
Gm03	12849490	12849813	Gmdrm	hypo	CG	-0.0443
Gm03	12882563	12883112	Gmdrm	hypo	CG	-0.0393
Gm03	13168161	13169061	Gmdrm	hypo	CG	-0.035
Gm03	13241556	13241588	Gmdrm	hypo	CG	-0.1033
Gm03	13276938	13277037	Gmdrm	hypo	CG	-0.19
Gm03	13324119	13325103	Gmdrm	hypo	CG	-0.0588
Gm03	13395759	13395874	Gmdrm	hypo	CG	-0.1233
Gm03	13400300	13400579	Gmdrm	hypo	CG	-0.0975
Gm03	13430420	13430774	Gmdrm	hypo	CG	-0.065
Gm03	13480293	13480990	Gmdrm	hypo	CG	-0.0328
Gm03	13506542	13507138	Gmdrm	hypo	CG	-0.0612
Gm03	13689628	13689892	Gmdrm	hypo	CG	-0.0631
Gm03	13753651	13753968	Gmdrm	hypo	CG	-0.0395
Gm03	13774128	13774694	Gmdrm	hypo	CG	-0.0579
Gm03	13944845	13945043	Gmdrm	hypo	CG	-0.0843
Gm03	14045386	14045593	Gmdrm	hypo	CG	-0.0583
Gm03	14058122	14058291	Gmdrm	hypo	CG	-0.415
Gm03	14096412	14096553	Gmdrm	hypo	CG	-0.118
Gm03	14097061	14097205	Gmdrm	hypo	CG	-0.8987

Gm03	14110917	14111040	Gmdrm	hypo	CG	-0.5788
Gm03	14111469	14111908	Gmdrm	hypo	CG	-0.2837
Gm03	14113888	14113932	Gmdrm	hypo	CG	-0.4012
Gm03	14125818	14126373	Gmdrm	hypo	CG	-0.086
Gm03	14152249	14152382	Gmdrm	hypo	CG	-0.58
Gm03	14154526	14155229	Gmdrm	hypo	CG	-0.5382
Gm03	14155364	14155488	Gmdrm	hypo	CG	-0.9163
Gm03	14192413	14192734	Gmdrm	hypo	CG	-0.2115
Gm03	14193999	14194144	Gmdrm	hypo	CG	-0.1215
Gm03	14224432	14224585	Gmdrm	hypo	CG	-0.215
Gm03	14235266	14235342	Gmdrm	hypo	CG	-0.42
Gm03	14309832	14309903	Gmdrm	hypo	CG	-0.1184
Gm03	14350052	14350178	Gmdrm	hypo	CG	-0.1612
Gm03	14360852	14361203	Gmdrm	hypo	CG	-0.05
Gm03	14379861	14380360	Gmdrm	hypo	CG	-0.0483
Gm03	14422434	14422543	Gmdrm	hypo	CG	-0.0717
Gm03	14462689	14462903	Gmdrm	hypo	CG	-0.6319
Gm03	14482882	14482916	Gmdrm	hypo	CG	-0.871
Gm03	14487140	14487171	Gmdrm	hypo	CG	-0.085
Gm03	14505372	14505418	Gmdrm	hypo	CG	-0.08
Gm03	14557612	14558001	Gmdrm	hypo	CG	-0.0475
Gm03	14564923	14565020	Gmdrm	hypo	CG	-0.4216
Gm03	14588534	14588900	Gmdrm	hypo	CG	-0.0665
Gm03	14683470	14683744	Gmdrm	hypo	CG	-0.0833
Gm03	14690814	14691137	Gmdrm	hypo	CG	-0.6017
Gm03	14694996	14695118	Gmdrm	hypo	CG	-0.14
Gm03	14696984	14697107	Gmdrm	hypo	CG	-0.9582
Gm03	14697385	14697698	Gmdrm	hypo	CG	-0.2593
Gm03	14739603	14739644	Gmdrm	hypo	CG	-0.3333
Gm03	14764075	14764196	Gmdrm	hypo	CG	-0.8983
Gm03	14867713	14867960	Gmdrm	hypo	CG	-0.1044
Gm03	14871269	14871739	Gmdrm	hypo	CG	-0.0533
Gm03	14894798	14894963	Gmdrm	hypo	CG	-0.0337
Gm03	14896491	14896685	Gmdrm	hypo	CG	-0.538
Gm03	14914755	14915751	Gmdrm	hypo	CG	-0.0274
Gm03	14967152	14967532	Gmdrm	hypo	CG	-0.05
Gm03	15112840	15113366	Gmdrm	hypo	CG	-0.0796
Gm03	15126269	15126393	Gmdrm	hypo	CG	-0.076
Gm03	15159089	15159207	Gmdrm	hypo	CG	-0.8809
Gm03	15159348	15159422	Gmdrm	hypo	CG	-0.8778
Gm03	15164671	15164894	Gmdrm	hypo	CG	-0.12
Gm03	15168031	15168185	Gmdrm	hypo	CG	-0.3075
Gm03	15198673	15198729	Gmdrm	hypo	CG	-0.0233
Gm03	15206561	15206577	Gmdrm	hypo	CG	-0.0583
Gm03	15271125	15271165	Gmdrm	hypo	CG	-0.2133
Gm03	15288625	15289182	Gmdrm	hypo	CG	-0.0293

Gm03	15323950	15324259	Gmdrm	hypo	CG	-0.0414
Gm03	15330888	15331157	Gmdrm	hypo	CG	-0.4011
Gm03	15360152	15360292	Gmdrm	hypo	CG	-0.3486
Gm03	15375884	15375939	Gmdrm	hypo	CG	-0.0833
Gm03	15384794	15385103	Gmdrm	hypo	CG	-0.07
Gm03	15591140	15591443	Gmdrm	hypo	CG	-0.0463
Gm03	15797098	15797785	Gmdrm	hypo	CG	-0.0651
Gm03	15814328	15814474	Gmdrm	hypo	CG	-0.07
Gm03	15874268	15874393	Gmdrm	hypo	CG	-0.6815
Gm03	15874612	15874762	Gmdrm	hypo	CG	-0.2718
Gm03	16008079	16008286	Gmdrm	hypo	CG	-0.7084
Gm03	16127700	16127752	Gmdrm	hypo	CG	-0.066
Gm03	16221612	16222381	Gmdrm	hypo	CG	-0.0521
Gm03	16306291	16306831	Gmdrm	hypo	CG	-0.407
Gm03	16338708	16339205	Gmdrm	hypo	CG	-0.0333
Gm03	16392761	16393009	Gmdrm	hypo	CG	-0.1254
Gm03	16422458	16422748	Gmdrm	hypo	CG	-0.0675
Gm03	16423576	16423937	Gmdrm	hypo	CG	-0.0842
Gm03	16446064	16446157	Gmdrm	hypo	CG	-0.79
Gm03	16468180	16468383	Gmdrm	hypo	CG	-0.131
Gm03	16482485	16482596	Gmdrm	hypo	CG	-0.06
Gm03	16485771	16485860	Gmdrm	hypo	CG	-0.57
Gm03	16486107	16486204	Gmdrm	hypo	CG	-0.597
Gm03	16486364	16486547	Gmdrm	hypo	CG	-0.2637
Gm03	16515343	16515766	Gmdrm	hypo	CG	-0.0417
Gm03	16525281	16525387	Gmdrm	hypo	CG	-0.1816
Gm03	16540509	16540623	Gmdrm	hypo	CG	-0.636
Gm03	16540801	16540887	Gmdrm	hypo	CG	-0.4287
Gm03	16541106	16541309	Gmdrm	hypo	CG	-0.4825
Gm03	16542185	16542571	Gmdrm	hypo	CG	-0.1967
Gm03	16551786	16552407	Gmdrm	hypo	CG	-0.0716
Gm03	16563553	16563595	Gmdrm	hypo	CG	-0.033
Gm03	16586265	16586327	Gmdrm	hypo	CG	-0.6275
Gm03	16618198	16618447	Gmdrm	hypo	CG	-0.593
Gm03	16636119	16636164	Gmdrm	hypo	CG	-0.892
Gm03	16636267	16636328	Gmdrm	hypo	CG	-0.824
Gm03	16636575	16636618	Gmdrm	hypo	CG	-0.984
Gm03	16664388	16664408	Gmdrm	hypo	CG	-0.0417
Gm03	16681124	16681226	Gmdrm	hypo	CG	-0.2522
Gm03	16683525	16683943	Gmdrm	hypo	CG	-0.0371
Gm03	16726292	16726398	Gmdrm	hypo	CG	-0.1416
Gm03	16728754	16728948	Gmdrm	hypo	CG	-0.5286
Gm03	16774148	16774247	Gmdrm	hypo	CG	-0.5916
Gm03	16795771	16795815	Gmdrm	hypo	CG	-0.185
Gm03	16796042	16796159	Gmdrm	hypo	CG	-0.7888
Gm03	16809627	16809827	Gmdrm	hypo	CG	-0.075

Gm03	16815432	16815575	Gmdrm	hypo	CG	-0.0737
Gm03	16852956	16852981	Gmdrm	hypo	CG	-0.22
Gm03	16903304	16903682	Gmdrm	hypo	CG	-0.2316
Gm03	16937159	16937248	Gmdrm	hypo	CG	-0.1528
Gm03	16984614	16984732	Gmdrm	hypo	CG	-0.215
Gm03	16990385	16990608	Gmdrm	hypo	CG	-0.05
Gm03	17019805	17020079	Gmdrm	hypo	CG	-0.0646
Gm03	17041618	17041908	Gmdrm	hypo	CG	-0.2337
Gm03	17042113	17042204	Gmdrm	hypo	CG	-0.775
Gm03	17044555	17044763	Gmdrm	hypo	CG	-0.7779
Gm03	17047573	17047720	Gmdrm	hypo	CG	-0.3222
Gm03	17049947	17050040	Gmdrm	hypo	CG	-0.4943
Gm03	17050577	17050741	Gmdrm	hypo	CG	-0.4507
Gm03	17052194	17052306	Gmdrm	hypo	CG	-0.7944
Gm03	17056994	17057049	Gmdrm	hypo	CG	-0.8967
Gm03	17058772	17058897	Gmdrm	hypo	CG	-0.595
Gm03	17093390	17093702	Gmdrm	hypo	CG	-0.8129
Gm03	17093894	17094003	Gmdrm	hypo	CG	-0.7526
Gm03	17117502	17117542	Gmdrm	hypo	CG	-0.968
Gm03	17118023	17118081	Gmdrm	hypo	CG	-0.71
Gm03	17259146	17259469	Gmdrm	hypo	CG	-0.0629
Gm03	17335018	17335163	Gmdrm	hypo	CG	-0.6063
Gm03	17373501	17373604	Gmdrm	hypo	CG	-0.08
Gm03	17421444	17421613	Gmdrm	hypo	CG	-0.0391
Gm03	17429963	17430065	Gmdrm	hypo	CG	-0.205
Gm03	17430334	17430404	Gmdrm	hypo	CG	-0.3
Gm03	17430949	17431115	Gmdrm	hypo	CG	-0.626
Gm03	17435630	17435785	Gmdrm	hypo	CG	-0.2933
Gm03	17439772	17439801	Gmdrm	hypo	CG	-0.5583
Gm03	17439919	17440125	Gmdrm	hypo	CG	-0.405
Gm03	17440532	17440687	Gmdrm	hypo	CG	-0.419
Gm03	17443783	17443848	Gmdrm	hypo	CG	-0.128
Gm03	17457865	17457964	Gmdrm	hypo	CG	-0.1883
Gm03	17487458	17487509	Gmdrm	hypo	CG	-0.034
Gm03	17487973	17488283	Gmdrm	hypo	CG	-0.8081
Gm03	17514864	17515255	Gmdrm	hypo	CG	-0.048
Gm03	17528294	17528439	Gmdrm	hypo	CG	-0.6617
Gm03	17528559	17528912	Gmdrm	hypo	CG	-0.6633
Gm03	17539239	17539479	Gmdrm	hypo	CG	-0.888
Gm03	17542930	17543915	Gmdrm	hypo	CG	-0.2229
Gm03	17543946	17544933	Gmdrm	hypo	CG	-0.0806
Gm03	17587292	17587485	Gmdrm	hypo	CG	-0.585
Gm03	17588018	17588160	Gmdrm	hypo	CG	-0.2592
Gm03	17588404	17588578	Gmdrm	hypo	CG	-0.2967
Gm03	17637972	17638058	Gmdrm	hypo	CG	-0.05
Gm03	17659154	17659258	Gmdrm	hypo	CG	-0.4428

Gm03	17659395	17659534	Gmdrm	hypo	CG	-0.2562
Gm03	17690567	17690841	Gmdrm	hypo	CG	-0.3887
Gm03	17698104	17698305	Gmdrm	hypo	CG	-0.4392
Gm03	17699137	17699259	Gmdrm	hypo	CG	-0.736
Gm03	17722255	17722620	Gmdrm	hypo	CG	-0.2931
Gm03	17744670	17744744	Gmdrm	hypo	CG	-0.6467
Gm03	17747015	17747185	Gmdrm	hypo	CG	-0.115
Gm03	17780264	17780393	Gmdrm	hypo	CG	-0.224
Gm03	17783396	17783598	Gmdrm	hypo	CG	-0.535
Gm03	17785581	17785829	Gmdrm	hypo	CG	-0.7819
Gm03	17794586	17795027	Gmdrm	hypo	CG	-0.1824
Gm03	17798354	17798381	Gmdrm	hypo	CG	-0.7117
Gm03	17800282	17800686	Gmdrm	hypo	CG	-0.0383
Gm03	17802827	17803122	Gmdrm	hypo	CG	-0.5339
Gm03	17839189	17840154	Gmdrm	hypo	CG	-0.0348
Gm03	17873639	17873755	Gmdrm	hypo	CG	-0.034
Gm03	17875691	17875822	Gmdrm	hypo	CG	-0.1471
Gm03	17876017	17876318	Gmdrm	hypo	CG	-0.1627
Gm03	17932442	17932725	Gmdrm	hypo	CG	-0.4094
Gm03	17933089	17933236	Gmdrm	hypo	CG	-0.625
Gm03	18065577	18065888	Gmdrm	hypo	CG	-0.0471
Gm03	18138290	18138367	Gmdrm	hypo	CG	-0.75
Gm03	18142406	18142477	Gmdrm	hypo	CG	-0.3629
Gm03	18767890	18767937	Gmdrm	hypo	CG	-0.3183
Gm03	18769557	18769799	Gmdrm	hypo	CG	-0.5913
Gm03	18773247	18773504	Gmdrm	hypo	CG	-0.1464
Gm03	18779916	18779928	Gmdrm	hypo	CG	-0.8734
Gm03	18789206	18789299	Gmdrm	hypo	CG	-0.554
Gm03	18831426	18831742	Gmdrm	hypo	CG	-0.0297
Gm03	18859972	18859987	Gmdrm	hypo	CG	-0.83
Gm03	18860120	18860261	Gmdrm	hypo	CG	-0.836
Gm03	18980128	18980238	Gmdrm	hypo	CG	-0.0441
Gm03	19311508	19311733	Gmdrm	hypo	CG	-0.0657
Gm03	19346760	19347380	Gmdrm	hypo	CG	-0.0856
Gm03	19548929	19549174	Gmdrm	hypo	CG	-0.0481
Gm03	19558699	19558791	Gmdrm	hypo	CG	-0.0957
Gm03	19562955	19562972	Gmdrm	hypo	CG	-0.23
Gm03	19565164	19565335	Gmdrm	hypo	CG	-0.48
Gm03	19565640	19565836	Gmdrm	hypo	CG	-0.8959
Gm03	19567969	19568408	Gmdrm	hypo	CG	-0.6587
Gm03	19592474	19592571	Gmdrm	hypo	CG	-0.1024
Gm03	19615525	19615694	Gmdrm	hypo	CG	-0.0829
Gm03	19641830	19641850	Gmdrm	hypo	CG	-0.055
Gm03	19656065	19656194	Gmdrm	hypo	CG	-0.0842
Gm03	19672988	19673122	Gmdrm	hypo	CG	-0.2718
Gm03	19674122	19674238	Gmdrm	hypo	CG	-0.9533

Gm03	19675243	19675354	Gmdrm	hypo	CG	-0.8067
Gm03	19676045	19676221	Gmdrm	hypo	CG	-0.948
Gm03	19702400	19702613	Gmdrm	hypo	CG	-0.1914
Gm03	19705856	19706148	Gmdrm	hypo	CG	-0.8271
Gm03	19712989	19713154	Gmdrm	hypo	CG	-0.0941
Gm03	19713332	19713624	Gmdrm	hypo	CG	-0.0986
Gm03	19758471	19758620	Gmdrm	hypo	CG	-0.4219
Gm03	19758796	19759009	Gmdrm	hypo	CG	-0.2013
Gm03	19771977	19772232	Gmdrm	hypo	CG	-0.3139
Gm03	19772368	19772481	Gmdrm	hypo	CG	-0.4425
Gm03	19783107	19783219	Gmdrm	hypo	CG	-0.9491
Gm03	19798837	19799104	Gmdrm	hypo	CG	-0.0629
Gm03	19801616	19802068	Gmdrm	hypo	CG	-0.6173
Gm03	19912646	19912983	Gmdrm	hypo	CG	-0.0443
Gm03	19921053	19921696	Gmdrm	hypo	CG	-0.0304
Gm03	19940813	19940944	Gmdrm	hypo	CG	-0.1188
Gm03	20030333	20030444	Gmdrm	hypo	CG	-0.6471
Gm03	20037387	20037642	Gmdrm	hypo	CG	-0.5
Gm03	20105039	20105117	Gmdrm	hypo	CG	-0.1
Gm03	20170865	20171045	Gmdrm	hypo	CG	-0.058
Gm03	20174915	20175184	Gmdrm	hypo	CG	-0.0325
Gm03	20195129	20195341	Gmdrm	hypo	CG	-0.945
Gm03	20215905	20216146	Gmdrm	hypo	CG	-0.265
Gm03	20265555	20265772	Gmdrm	hypo	CG	-0.661
Gm03	20290302	20290697	Gmdrm	hypo	CG	-0.05
Gm03	20291325	20291643	Gmdrm	hypo	CG	-0.05
Gm03	20361548	20361617	Gmdrm	hypo	CG	-0.54
Gm03	20361894	20362026	Gmdrm	hypo	CG	-0.8767
Gm03	20364011	20364325	Gmdrm	hypo	CG	-0.1855
Gm03	20381712	20381902	Gmdrm	hypo	CG	-0.4725
Gm03	20382085	20382173	Gmdrm	hypo	CG	-0.8187
Gm03	20393440	20393593	Gmdrm	hypo	CG	-0.605
Gm03	20418658	20419242	Gmdrm	hypo	CG	-0.7343
Gm03	20437648	20437767	Gmdrm	hypo	CG	-0.0359
Gm03	20462059	20462166	Gmdrm	hypo	CG	-0.235
Gm03	20462653	20463113	Gmdrm	hypo	CG	-0.0945
Gm03	20489041	20489302	Gmdrm	hypo	CG	-0.1812
Gm03	20502195	20502519	Gmdrm	hypo	CG	-0.0529
Gm03	20508592	20508669	Gmdrm	hypo	CG	-0.8384
Gm03	20524801	20525335	Gmdrm	hypo	CG	-0.0488
Gm03	20538947	20539221	Gmdrm	hypo	CG	-0.0556
Gm03	20563785	20564086	Gmdrm	hypo	CG	-0.0421
Gm03	20564637	20564923	Gmdrm	hypo	CG	-0.0355
Gm03	20573710	20573821	Gmdrm	hypo	CG	-0.16
Gm03	20578625	20578847	Gmdrm	hypo	CG	-0.0479
Gm03	20598825	20598955	Gmdrm	hypo	CG	-0.3467

Gm03	20606287	20606566 Gmdrm	hypo	CG	-0.8858
Gm03	20606988	20607149 Gmdrm	hypo	CG	-0.497
Gm03	20738231	20738327 Gmdrm	hypo	CG	-0.095
Gm03	20830914	20831126 Gmdrm	hypo	CG	-0.332
Gm03	20837758	20837874 Gmdrm	hypo	CG	-0.375
Gm03	20866710	20866791 Gmdrm	hypo	CG	-0.29
Gm03	20899081	20899129 Gmdrm	hypo	CG	-0.3567
Gm03	20950345	20950630 Gmdrm	hypo	CG	-0.0414
Gm03	20953364	20953581 Gmdrm	hypo	CG	-0.335
Gm03	20958314	20958459 Gmdrm	hypo	CG	-0.03
Gm03	20959723	20959846 Gmdrm	hypo	CG	-0.045
Gm03	20963672	20963735 Gmdrm	hypo	CG	-0.8114
Gm03	21125247	21126061 Gmdrm	hypo	CG	-0.021
Gm03	21162923	21163066 Gmdrm	hypo	CG	-0.09
Gm03	21245385	21245551 Gmdrm	hypo	CG	-0.5618
Gm03	21247273	21247516 Gmdrm	hypo	CG	-0.5514
Gm03	21248182	21248351 Gmdrm	hypo	CG	-0.471
Gm03	21261478	21261537 Gmdrm	hypo	CG	-0.73
Gm03	21281700	21281756 Gmdrm	hypo	CG	-0.341
Gm03	21285348	21285444 Gmdrm	hypo	CG	-0.1633
Gm03	21315543	21315607 Gmdrm	hypo	CG	-0.0537
Gm03	21362368	21362402 Gmdrm	hypo	CG	-0.635
Gm03	21418983	21419157 Gmdrm	hypo	CG	-0.213
Gm03	21492428	21492503 Gmdrm	hypo	CG	-0.1167
Gm03	21632815	21632931 Gmdrm	hypo	CG	-0.16
Gm03	21715689	21715856 Gmdrm	hypo	CG	-0.0766
Gm03	21756683	21757027 Gmdrm	hypo	CG	-0.4235
Gm03	21824136	21824740 Gmdrm	hypo	CG	-0.0298
Gm03	21828526	21828601 Gmdrm	hypo	CG	-0.1013
Gm03	22069106	22069126 Gmdrm	hypo	CG	-0.0917
Gm03	22132225	22132395 Gmdrm	hypo	CG	-0.7583
Gm03	22138691	22138987 Gmdrm	hypo	CG	-0.0303
Gm03	22272566	22272958 Gmdrm	hypo	CG	-0.0429
Gm03	22289445	22289535 Gmdrm	hypo	CG	-0.062
Gm03	22482159	22482775 Gmdrm	hypo	CG	-0.3629
Gm03	22488181	22488198 Gmdrm	hypo	CG	-0.765
Gm03	22515564	22516559 Gmdrm	hypo	CG	-0.0343
Gm03	22682353	22682490 Gmdrm	hypo	CG	-0.1417
Gm03	22724031	22724533 Gmdrm	hypo	CG	-0.3762
Gm03	22775565	22775820 Gmdrm	hypo	CG	-0.0394
Gm03	22792075	22792100 Gmdrm	hypo	CG	-0.104
Gm03	22962845	22963237 Gmdrm	hypo	CG	-0.0589
Gm03	23042679	23042799 Gmdrm	hypo	CG	-0.34
Gm03	23043942	23044073 Gmdrm	hypo	CG	-0.3917
Gm03	23060734	23060847 Gmdrm	hypo	CG	-0.0967
Gm03	23067855	23067982 Gmdrm	hypo	CG	-0.7475

Gm03	23072539	23073173	Gmdrm	hypo	CG	-0.0386
Gm03	23086133	23086190	Gmdrm	hypo	CG	-0.6567
Gm03	23088893	23089098	Gmdrm	hypo	CG	-0.0433
Gm03	23102488	23102797	Gmdrm	hypo	CG	-0.4433
Gm03	23114993	23115424	Gmdrm	hypo	CG	-0.0459
Gm03	23122032	23122117	Gmdrm	hypo	CG	-0.4075
Gm03	23468595	23469105	Gmdrm	hypo	CG	-0.0468
Gm03	23556314	23556587	Gmdrm	hypo	CG	-0.0491
Gm03	23561234	23561432	Gmdrm	hypo	CG	-0.3207
Gm03	23561688	23561758	Gmdrm	hypo	CG	-0.2529
Gm03	23568498	23568747	Gmdrm	hypo	CG	-0.3038
Gm03	23656325	23656330	Gmdrm	hypo	CG	-0.03
Gm03	23782724	23782920	Gmdrm	hypo	CG	-0.0926
Gm03	23811875	23812367	Gmdrm	hypo	CG	-0.0909
Gm03	23961881	23962002	Gmdrm	hypo	CG	-0.0692
Gm03	24081657	24081842	Gmdrm	hypo	CG	-0.0539
Gm03	24084323	24084727	Gmdrm	hypo	CG	-0.08
Gm03	24226777	24227131	Gmdrm	hypo	CG	-0.4345
Gm03	24301855	24302839	Gmdrm	hypo	CG	-0.0344
Gm03	24302856	24303070	Gmdrm	hypo	CG	-0.0666
Gm03	24313223	24313335	Gmdrm	hypo	CG	-0.1125
Gm03	24330508	24331127	Gmdrm	hypo	CG	-0.0409
Gm03	24346962	24347047	Gmdrm	hypo	CG	-0.1934
Gm03	24359603	24359779	Gmdrm	hypo	CG	-0.4712
Gm03	24361789	24361978	Gmdrm	hypo	CG	-0.7812
Gm03	24362244	24362676	Gmdrm	hypo	CG	-0.0886
Gm03	24376331	24376468	Gmdrm	hypo	CG	-0.6587
Gm03	24376637	24376875	Gmdrm	hypo	CG	-0.1228
Gm03	24451413	24451742	Gmdrm	hypo	CG	-0.0765
Gm03	24474346	24474474	Gmdrm	hypo	CG	-0.114
Gm03	24507241	24507348	Gmdrm	hypo	CG	-0.314
Gm03	24507638	24507700	Gmdrm	hypo	CG	-0.1462
Gm03	24514598	24515327	Gmdrm	hypo	CG	-0.0377
Gm03	24524305	24524658	Gmdrm	hypo	CG	-0.0593
Gm03	24597923	24598045	Gmdrm	hypo	CG	-0.0878
Gm03	24598252	24598423	Gmdrm	hypo	CG	-0.929
Gm03	24601276	24601576	Gmdrm	hypo	CG	-0.1229
Gm03	24606990	24607260	Gmdrm	hypo	CG	-0.0635
Gm03	24625364	24625613	Gmdrm	hypo	CG	-0.0458
Gm03	24658443	24658521	Gmdrm	hypo	CG	-0.6313
Gm03	24659355	24659479	Gmdrm	hypo	CG	-0.0608
Gm03	24682839	24683094	Gmdrm	hypo	CG	-0.0478
Gm03	24908686	24908813	Gmdrm	hypo	CG	-0.0975
Gm03	24925472	24925557	Gmdrm	hypo	CG	-0.0983
Gm03	24969585	24969752	Gmdrm	hypo	CG	-0.73
Gm03	25033025	25033369	Gmdrm	hypo	CG	-0.0614

Gm03	25110711	25110805	Gmdrm	hypo	CG	-0.91
Gm03	25114639	25114861	Gmdrm	hypo	CG	-0.368
Gm03	25145043	25145432	Gmdrm	hypo	CG	-0.0476
Gm03	25154165	25155163	Gmdrm	hypo	CG	-0.0357
Gm03	25177189	25177327	Gmdrm	hypo	CG	-0.469
Gm03	25177584	25177704	Gmdrm	hypo	CG	-0.39
Gm03	25178183	25178323	Gmdrm	hypo	CG	-0.1838
Gm03	25210285	25210373	Gmdrm	hypo	CG	-0.588
Gm03	25214106	25214210	Gmdrm	hypo	CG	-0.082
Gm03	25234823	25234853	Gmdrm	hypo	CG	-0.252
Gm03	25336114	25336298	Gmdrm	hypo	CG	-0.0764
Gm03	25347328	25347483	Gmdrm	hypo	CG	-0.0788
Gm03	25388926	25389199	Gmdrm	hypo	CG	-0.0327
Gm03	25395903	25396078	Gmdrm	hypo	CG	-0.1446
Gm03	25708914	25709108	Gmdrm	hypo	CG	-0.0412
Gm03	25717331	25717462	Gmdrm	hypo	CG	-0.59
Gm03	25744479	25744523	Gmdrm	hypo	CG	-0.0289
Gm03	25790976	25791706	Gmdrm	hypo	CG	-0.1588
Gm03	25801988	25802128	Gmdrm	hypo	CG	-0.139
Gm03	25815881	25816154	Gmdrm	hypo	CG	-0.0585
Gm03	25817845	25818059	Gmdrm	hypo	CG	-0.6992
Gm03	25875676	25875848	Gmdrm	hypo	CG	-0.0709
Gm03	25876860	25877282	Gmdrm	hypo	CG	-0.2384
Gm03	25890501	25890918	Gmdrm	hypo	CG	-0.0644
Gm03	25919395	25920392	Gmdrm	hypo	CG	-0.0412
Gm03	25920666	25920828	Gmdrm	hypo	CG	-0.0541
Gm03	25977039	25977203	Gmdrm	hypo	CG	-0.0788
Gm03	25977768	25978071	Gmdrm	hypo	CG	-0.105
Gm03	26012668	26013558	Gmdrm	hypo	CG	-0.2049
Gm03	26016619	26016829	Gmdrm	hypo	CG	-0.3433
Gm03	26132734	26133123	Gmdrm	hypo	CG	-0.0791
Gm03	26267710	26267765	Gmdrm	hypo	CG	-0.188
Gm03	26308542	26308608	Gmdrm	hypo	CG	-0.218
Gm03	26402520	26403043	Gmdrm	hypo	CG	-0.1618
Gm03	26412667	26412895	Gmdrm	hypo	CG	-0.1025
Gm03	26424259	26424401	Gmdrm	hypo	CG	-0.0676
Gm03	26471165	26471272	Gmdrm	hypo	CG	-0.0938
Gm03	26497726	26497857	Gmdrm	hypo	CG	-0.245
Gm03	26508315	26508499	Gmdrm	hypo	CG	-0.75
Gm03	26511630	26512332	Gmdrm	hypo	CG	-0.0339
Gm03	26525415	26525625	Gmdrm	hypo	CG	-0.7922
Gm03	26525743	26526071	Gmdrm	hypo	CG	-0.5254
Gm03	26542478	26542851	Gmdrm	hypo	CG	-0.0429
Gm03	26553502	26554112	Gmdrm	hypo	CG	-0.0552
Gm03	26571748	26572324	Gmdrm	hypo	CG	-0.0319
Gm03	26575380	26575446	Gmdrm	hypo	CG	-0.6533

Gm03	26602969	26603100	Gmdrm	hypo	CG	-0.2371
Gm03	26677579	26677600	Gmdrm	hypo	CG	-0.0617
Gm03	26708777	26709155	Gmdrm	hypo	CG	-0.362
Gm03	26733493	26733632	Gmdrm	hypo	CG	-0.2587
Gm03	26766831	26766852	Gmdrm	hypo	CG	-0.695
Gm03	26767035	26767159	Gmdrm	hypo	CG	-0.0771
Gm03	26772683	26772795	Gmdrm	hypo	CG	-0.7349
Gm03	26783821	26783848	Gmdrm	hypo	CG	-0.9667
Gm03	26784442	26784671	Gmdrm	hypo	CG	-0.3185
Gm03	26784922	26785096	Gmdrm	hypo	CG	-0.8796
Gm03	26786977	26787117	Gmdrm	hypo	CG	-0.7212
Gm03	26809415	26810411	Gmdrm	hypo	CG	-0.019
Gm03	26864342	26864543	Gmdrm	hypo	CG	-0.0518
Gm03	26866441	26866768	Gmdrm	hypo	CG	-0.2915
Gm03	27105009	27105997	Gmdrm	hypo	CG	-0.0364
Gm03	27186453	27186592	Gmdrm	hypo	CG	-0.5025
Gm03	27249772	27249809	Gmdrm	hypo	CG	-0.982
Gm03	27279540	27279614	Gmdrm	hypo	CG	-0.07
Gm03	27318513	27318617	Gmdrm	hypo	CG	-0.0436
Gm03	27331145	27331315	Gmdrm	hypo	CG	-0.9172
Gm03	27331538	27331690	Gmdrm	hypo	CG	-0.8231
Gm03	27368588	27368816	Gmdrm	hypo	CG	-0.626
Gm03	27406287	27406366	Gmdrm	hypo	CG	-0.1386
Gm03	27414557	27415063	Gmdrm	hypo	CG	-0.0352
Gm03	27438850	27438916	Gmdrm	hypo	CG	-0.7784
Gm03	27462219	27462382	Gmdrm	hypo	CG	-0.1864
Gm03	27496898	27497251	Gmdrm	hypo	CG	-0.0831
Gm03	27530471	27531402	Gmdrm	hypo	CG	-0.0407
Gm03	27534269	27534772	Gmdrm	hypo	CG	-0.0355
Gm03	27548634	27548831	Gmdrm	hypo	CG	-0.098
Gm03	27645614	27645688	Gmdrm	hypo	CG	-0.0437
Gm03	27669975	27670209	Gmdrm	hypo	CG	-0.4946
Gm03	27672404	27672440	Gmdrm	hypo	CG	-0.5562
Gm03	27676064	27676164	Gmdrm	hypo	CG	-0.9429
Gm03	27680665	27680881	Gmdrm	hypo	CG	-0.295
Gm03	27682317	27682437	Gmdrm	hypo	CG	-0.137
Gm03	27683258	27683549	Gmdrm	hypo	CG	-0.3018
Gm03	27683993	27684225	Gmdrm	hypo	CG	-0.1188
Gm03	27691432	27691570	Gmdrm	hypo	CG	-0.3125
Gm03	27776354	27776376	Gmdrm	hypo	CG	-0.962
Gm03	27781446	27781602	Gmdrm	hypo	CG	-0.2637
Gm03	27883357	27883520	Gmdrm	hypo	CG	-0.4888
Gm03	27906841	27907124	Gmdrm	hypo	CG	-0.4931
Gm03	27908565	27908864	Gmdrm	hypo	CG	-0.064
Gm03	27912621	27912734	Gmdrm	hypo	CG	-0.22
Gm03	27912835	27912974	Gmdrm	hypo	CG	-0.2112

Gm03	27923963	27924087	Gmdrm	hypo	CG	-0.9234
Gm03	27962977	27963386	Gmdrm	hypo	CG	-0.1461
Gm03	27966040	27966136	Gmdrm	hypo	CG	-0.945
Gm03	27978695	27978805	Gmdrm	hypo	CG	-0.045
Gm03	27978929	27979173	Gmdrm	hypo	CG	-0.3145
Gm03	27979948	27980338	Gmdrm	hypo	CG	-0.1858
Gm03	27992673	27992871	Gmdrm	hypo	CG	-0.0264
Gm03	28016465	28016556	Gmdrm	hypo	CG	-0.9183
Gm03	28017659	28017846	Gmdrm	hypo	CG	-0.0417
Gm03	28018366	28018377	Gmdrm	hypo	CG	-0.125
Gm03	28030541	28030749	Gmdrm	hypo	CG	-0.0863
Gm03	28069992	28070277	Gmdrm	hypo	CG	-0.434
Gm03	28071102	28071219	Gmdrm	hypo	CG	-0.4188
Gm03	28075919	28076164	Gmdrm	hypo	CG	-0.1626
Gm03	28080526	28081126	Gmdrm	hypo	CG	-0.0433
Gm03	28113884	28113979	Gmdrm	hypo	CG	-0.7817
Gm03	28119636	28119935	Gmdrm	hypo	CG	-0.535
Gm03	28141280	28141443	Gmdrm	hypo	CG	-0.044
Gm03	28250125	28250553	Gmdrm	hypo	CG	-0.497
Gm03	28250654	28250731	Gmdrm	hypo	CG	-0.955
Gm03	28250844	28251131	Gmdrm	hypo	CG	-0.0661
Gm03	28279605	28279746	Gmdrm	hypo	CG	-0.0543
Gm03	28289441	28289714	Gmdrm	hypo	CG	-0.9094
Gm03	28290915	28290955	Gmdrm	hypo	CG	-0.9633
Gm03	28293500	28293836	Gmdrm	hypo	CG	-0.2085
Gm03	28294237	28294451	Gmdrm	hypo	CG	-0.405
Gm03	28324624	28324828	Gmdrm	hypo	CG	-0.9225
Gm03	28330746	28330918	Gmdrm	hypo	CG	-0.4984
Gm03	28331019	28331130	Gmdrm	hypo	CG	-0.7875
Gm03	28343882	28343972	Gmdrm	hypo	CG	-0.0501
Gm03	28355666	28355684	Gmdrm	hypo	CG	-0.5513
Gm03	28356347	28356954	Gmdrm	hypo	CG	-0.205
Gm03	28358039	28358141	Gmdrm	hypo	CG	-0.075
Gm03	28362999	28363248	Gmdrm	hypo	CG	-0.105
Gm03	28363430	28363533	Gmdrm	hypo	CG	-0.699
Gm03	28383023	28383154	Gmdrm	hypo	CG	-0.045
Gm03	28457766	28458594	Gmdrm	hypo	CG	-0.0342
Gm03	28482117	28482950	Gmdrm	hypo	CG	-0.0197
Gm03	28516368	28517166	Gmdrm	hypo	CG	-0.0552
Gm03	28570360	28570548	Gmdrm	hypo	CG	-0.6638
Gm03	28611937	28612006	Gmdrm	hypo	CG	-0.104
Gm03	28728982	28729201	Gmdrm	hypo	CG	-0.7583
Gm03	28730231	28730449	Gmdrm	hypo	CG	-0.7349
Gm03	28735670	28735920	Gmdrm	hypo	CG	-0.0563
Gm03	28809488	28809694	Gmdrm	hypo	CG	-0.4033
Gm03	28831735	28831880	Gmdrm	hypo	CG	-0.0519

Gm03	28887995	28888029	Gmdrm	hypo	CG	-0.9487
Gm03	28968986	28969120	Gmdrm	hypo	CG	-0.1687
Gm03	28980077	28980778	Gmdrm	hypo	CG	-0.0581
Gm03	29079505	29079606	Gmdrm	hypo	CG	-0.1612
Gm03	29082884	29083060	Gmdrm	hypo	CG	-0.9525
Gm03	29153291	29153352	Gmdrm	hypo	CG	-0.555
Gm03	29155148	29155184	Gmdrm	hypo	CG	-0.5167
Gm03	29159777	29159840	Gmdrm	hypo	CG	-0.0612
Gm03	29176683	29176887	Gmdrm	hypo	CG	-0.0773
Gm03	29177061	29177256	Gmdrm	hypo	CG	-0.0477
Gm03	29209074	29209173	Gmdrm	hypo	CG	-0.055
Gm03	29219689	29219940	Gmdrm	hypo	CG	-0.1216
Gm03	29281903	29282801	Gmdrm	hypo	CG	-0.0296
Gm03	29295162	29295290	Gmdrm	hypo	CG	-0.7587
Gm03	29296548	29296840	Gmdrm	hypo	CG	-0.565
Gm03	29322827	29322938	Gmdrm	hypo	CG	-0.0558
Gm03	29334992	29335282	Gmdrm	hypo	CG	-0.3111
Gm03	29335927	29336243	Gmdrm	hypo	CG	-0.2658
Gm03	29418673	29418869	Gmdrm	hypo	CG	-0.422
Gm03	29477393	29477518	Gmdrm	hypo	CG	-0.5813
Gm03	29515371	29515418	Gmdrm	hypo	CG	-0.065
Gm03	29544609	29544727	Gmdrm	hypo	CG	-0.5449
Gm03	29563220	29563401	Gmdrm	hypo	CG	-0.8238
Gm03	29563876	29563888	Gmdrm	hypo	CG	-0.7583
Gm03	29564494	29564756	Gmdrm	hypo	CG	-0.0924
Gm03	29571674	29571865	Gmdrm	hypo	CG	-0.23
Gm03	29574990	29575080	Gmdrm	hypo	CG	-0.69
Gm03	29589461	29590047	Gmdrm	hypo	CG	-0.055
Gm03	29609479	29609651	Gmdrm	hypo	CG	-0.58
Gm03	29666925	29667042	Gmdrm	hypo	CG	-0.2025
Gm03	29714608	29714800	Gmdrm	hypo	CG	-0.0725
Gm03	29743427	29743531	Gmdrm	hypo	CG	-0.5784
Gm03	29753340	29753622	Gmdrm	hypo	CG	-0.312
Gm03	29818009	29818286	Gmdrm	hypo	CG	-0.2335
Gm03	29932208	29932500	Gmdrm	hypo	CG	-0.57
Gm03	29934823	29934907	Gmdrm	hypo	CG	-0.3566
Gm03	29941950	29942006	Gmdrm	hypo	CG	-0.355
Gm03	29968182	29968244	Gmdrm	hypo	CG	-0.9783
Gm03	29970655	29971000	Gmdrm	hypo	CG	-0.725
Gm03	29971688	29972018	Gmdrm	hypo	CG	-0.655
Gm03	29972985	29973146	Gmdrm	hypo	CG	-0.7167
Gm03	29973351	29973427	Gmdrm	hypo	CG	-0.97
Gm03	29983386	29983431	Gmdrm	hypo	CG	-0.64
Gm03	30005626	30005672	Gmdrm	hypo	CG	-0.745
Gm03	30023237	30023291	Gmdrm	hypo	CG	-0.0767
Gm03	30024989	30025101	Gmdrm	hypo	CG	-0.6987

Gm03	30025485	30025596	Gmdrm	hypo	CG	-0.7457
Gm03	30028084	30028170	Gmdrm	hypo	CG	-0.478
Gm03	30028735	30028825	Gmdrm	hypo	CG	-0.9225
Gm03	30029412	30029442	Gmdrm	hypo	CG	-0.9284
Gm03	30050656	30050782	Gmdrm	hypo	CG	-0.2862
Gm03	30176511	30176640	Gmdrm	hypo	CG	-0.25
Gm03	30177260	30177469	Gmdrm	hypo	CG	-0.518
Gm03	30180031	30180185	Gmdrm	hypo	CG	-0.589
Gm03	30185074	30185178	Gmdrm	hypo	CG	-0.1337
Gm03	30195734	30195887	Gmdrm	hypo	CG	-0.83
Gm03	30253837	30253931	Gmdrm	hypo	CG	-0.03
Gm03	30318888	30319061	Gmdrm	hypo	CG	-0.3875
Gm03	30395716	30396435	Gmdrm	hypo	CG	-0.0377
Gm03	30426837	30427512	Gmdrm	hypo	CG	-0.1319
Gm03	30450320	30450463	Gmdrm	hypo	CG	-0.7529
Gm03	30456103	30456471	Gmdrm	hypo	CG	-0.3757
Gm03	30475492	30475573	Gmdrm	hypo	CG	-0.1362
Gm03	30480767	30481145	Gmdrm	hypo	CG	-0.1224
Gm03	30522170	30522312	Gmdrm	hypo	CG	-0.1344
Gm03	30674842	30674970	Gmdrm	hypo	CG	-0.0809
Gm03	30688425	30688719	Gmdrm	hypo	CG	-0.07
Gm03	30706808	30706927	Gmdrm	hypo	CG	-0.759
Gm03	30733907	30734046	Gmdrm	hypo	CG	-0.3442
Gm03	30736545	30736636	Gmdrm	hypo	CG	-0.8413
Gm03	30745695	30745799	Gmdrm	hypo	CG	-0.3794
Gm03	30752144	30752486	Gmdrm	hypo	CG	-0.39
Gm03	30778092	30778120	Gmdrm	hypo	CG	-0.9683
Gm03	30795416	30795601	Gmdrm	hypo	CG	-0.43
Gm03	30801970	30802251	Gmdrm	hypo	CG	-0.3145
Gm03	30802853	30803056	Gmdrm	hypo	CG	-0.0283
Gm03	30820355	30820480	Gmdrm	hypo	CG	-0.935
Gm03	30842431	30842802	Gmdrm	hypo	CG	-0.9819
Gm03	30843007	30843129	Gmdrm	hypo	CG	-0.9725
Gm03	30843349	30843408	Gmdrm	hypo	CG	-0.934
Gm03	30867443	30868436	Gmdrm	hypo	CG	-0.126
Gm03	30920445	30920608	Gmdrm	hypo	CG	-0.815
Gm03	30921406	30921580	Gmdrm	hypo	CG	-0.673
Gm03	30931398	30931613	Gmdrm	hypo	CG	-0.1125
Gm03	30933838	30934068	Gmdrm	hypo	CG	-0.0479
Gm03	30937351	30937559	Gmdrm	hypo	CG	-0.0465
Gm03	30947822	30947881	Gmdrm	hypo	CG	-0.0488
Gm03	30950249	30950270	Gmdrm	hypo	CG	-0.19
Gm03	30951038	30951083	Gmdrm	hypo	CG	-0.2317
Gm03	30958191	30958247	Gmdrm	hypo	CG	-0.52
Gm03	30966680	30966881	Gmdrm	hypo	CG	-0.0887
Gm03	31000843	31000885	Gmdrm	hypo	CG	-0.94

Gm03	31002225	31002315	Gmdrm	hypo	CG	-0.6967
Gm03	31002589	31002763	Gmdrm	hypo	CG	-0.4058
Gm03	31003885	31004017	Gmdrm	hypo	CG	-0.482
Gm03	31022504	31022857	Gmdrm	hypo	CG	-0.4877
Gm03	31036006	31036194	Gmdrm	hypo	CG	-0.038
Gm03	31067250	31067547	Gmdrm	hypo	CG	-0.9288
Gm03	31120200	31120408	Gmdrm	hypo	CG	-0.12
Gm03	31123767	31124538	Gmdrm	hypo	CG	-0.0503
Gm03	31125311	31125661	Gmdrm	hypo	CG	-0.0348
Gm03	31133619	31134132	Gmdrm	hypo	CG	-0.8018
Gm03	31177178	31177371	Gmdrm	hypo	CG	-0.33
Gm03	31211741	31211826	Gmdrm	hypo	CG	-0.14
Gm03	31225325	31225424	Gmdrm	hypo	CG	-0.3413
Gm03	31255309	31255724	Gmdrm	hypo	CG	-0.0594
Gm03	31374079	31374308	Gmdrm	hypo	CG	-0.04
Gm03	31379198	31379773	Gmdrm	hypo	CG	-0.03
Gm03	31379910	31380090	Gmdrm	hypo	CG	-0.1244
Gm03	31380425	31380545	Gmdrm	hypo	CG	-0.7733
Gm03	31386468	31386698	Gmdrm	hypo	CG	-0.12
Gm03	31409161	31409292	Gmdrm	hypo	CG	-0.7225
Gm03	31409440	31409690	Gmdrm	hypo	CG	-0.4584
Gm03	31411139	31411203	Gmdrm	hypo	CG	-0.06
Gm03	31434581	31434680	Gmdrm	hypo	CG	-0.665
Gm03	31466526	31466616	Gmdrm	hypo	CG	-0.046
Gm03	31523919	31524637	Gmdrm	hypo	CG	-0.3033
Gm03	31525328	31525424	Gmdrm	hypo	CG	-0.63
Gm03	31527797	31527994	Gmdrm	hypo	CG	-0.053
Gm03	31557938	31558045	Gmdrm	hypo	CG	-0.1031
Gm03	31564144	31564368	Gmdrm	hypo	CG	-0.1115
Gm03	31595537	31595923	Gmdrm	hypo	CG	-0.6878
Gm03	31599768	31600077	Gmdrm	hypo	CG	-0.6707
Gm03	31612142	31612322	Gmdrm	hypo	CG	-0.7643
Gm03	31657490	31657721	Gmdrm	hypo	CG	-0.0366
Gm03	31676741	31677096	Gmdrm	hypo	CG	-0.0514
Gm03	31678843	31678945	Gmdrm	hypo	CG	-0.975
Gm03	31693391	31693581	Gmdrm	hypo	CG	-0.698
Gm03	31695948	31696130	Gmdrm	hypo	CG	-0.7436
Gm03	31696238	31696309	Gmdrm	hypo	CG	-0.495
Gm03	31702149	31702243	Gmdrm	hypo	CG	-0.0487
Gm03	31710071	31710241	Gmdrm	hypo	CG	-0.3889
Gm03	31802418	31802674	Gmdrm	hypo	CG	-0.745
Gm03	31849981	31850085	Gmdrm	hypo	CG	-0.862
Gm03	31881517	31881543	Gmdrm	hypo	CG	-0.19
Gm03	31884444	31884550	Gmdrm	hypo	CG	-0.2017
Gm03	31885029	31885191	Gmdrm	hypo	CG	-0.096
Gm03	31885628	31885722	Gmdrm	hypo	CG	-0.6817

Gm03	31900581	31900686	Gmdrm	hypo	CG	-0.9687
Gm03	31980601	31980902	Gmdrm	hypo	CG	-0.4667
Gm03	31993601	31993661	Gmdrm	hypo	CG	-0.044
Gm03	32003320	32003358	Gmdrm	hypo	CG	-0.345
Gm03	32003571	32003877	Gmdrm	hypo	CG	-0.2029
Gm03	32014269	32014742	Gmdrm	hypo	CG	-0.4425
Gm03	32021945	32021988	Gmdrm	hypo	CG	-0.8143
Gm03	32033869	32033884	Gmdrm	hypo	CG	-0.475
Gm03	32042000	32042051	Gmdrm	hypo	CG	-0.525
Gm03	32078732	32078918	Gmdrm	hypo	CG	-0.4825
Gm03	32147727	32147827	Gmdrm	hypo	CG	-0.9709
Gm03	32167550	32167628	Gmdrm	hypo	CG	-0.0676
Gm03	32184896	32184943	Gmdrm	hypo	CG	-0.0533
Gm03	32191358	32192121	Gmdrm	hypo	CG	-0.0585
Gm03	32194381	32194471	Gmdrm	hypo	CG	-0.702
Gm03	32198097	32198330	Gmdrm	hypo	CG	-0.3125
Gm03	32198924	32199175	Gmdrm	hypo	CG	-0.0407
Gm03	32214988	32215369	Gmdrm	hypo	CG	-0.5838
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Gm03	32220213	32220452	Gmdrm	hypo	CG	-0.513
Gm03	32225826	32225901	Gmdrm	hypo	CG	-0.4434
Gm03	32227736	32227748	Gmdrm	hypo	CG	-0.075
Gm03	32230165	32230259	Gmdrm	hypo	CG	-0.629
Gm03	32252031	32252238	Gmdrm	hypo	CG	-0.0463
Gm03	32263782	32263854	Gmdrm	hypo	CG	-0.9799
Gm03	32298737	32298941	Gmdrm	hypo	CG	-0.1177
Gm03	32311414	32311617	Gmdrm	hypo	CG	-0.0633
Gm03	32325123	32325391	Gmdrm	hypo	CG	-0.1732
Gm03	32327516	32327697	Gmdrm	hypo	CG	-0.2533
Gm03	32329634	32329659	Gmdrm	hypo	CG	-0.945
Gm03	32343836	32344042	Gmdrm	hypo	CG	-0.51
Gm03	32349059	32349192	Gmdrm	hypo	CG	-0.1487
Gm03	32412101	32412243	Gmdrm	hypo	CG	-0.9784
Gm03	32412897	32413023	Gmdrm	hypo	CG	-0.7381
Gm03	32415072	32415190	Gmdrm	hypo	CG	-0.044
Gm03	32457456	32457739	Gmdrm	hypo	CG	-0.8806
Gm03	32500980	32501022	Gmdrm	hypo	CG	-0.0774
Gm03	32519716	32519734	Gmdrm	hypo	CG	-0.9633
Gm03	32553713	32553794	Gmdrm	hypo	CG	-0.3787
Gm03	32566345	32566477	Gmdrm	hypo	CG	-0.448
Gm03	32568267	32568404	Gmdrm	hypo	CG	-0.76
Gm03	32594890	32595498	Gmdrm	hypo	CG	-0.0258
Gm03	32621429	32621624	Gmdrm	hypo	CG	-0.8622
Gm03	32656048	32656325	Gmdrm	hypo	CG	-0.4766
Gm03	32683394	32683528	Gmdrm	hypo	CG	-0.784
Gm03	32771653	32771832	Gmdrm	hypo	CG	-0.0559

Gm03	32781503	32781585	Gmdrm	hypo	CG	-0.045
Gm03	32817032	32817256	Gmdrm	hypo	CG	-0.5393
Gm03	32821983	32822063	Gmdrm	hypo	CG	-0.84
Gm03	32840116	32840272	Gmdrm	hypo	CG	-0.8224
Gm03	32840391	32840828	Gmdrm	hypo	CG	-0.3832
Gm03	32851331	32851387	Gmdrm	hypo	CG	-0.0366
Gm03	32884501	32884576	Gmdrm	hypo	CG	-0.7791
Gm03	32887196	32887378	Gmdrm	hypo	CG	-0.5478
Gm03	32892069	32892354	Gmdrm	hypo	CG	-0.2076
Gm03	32893871	32893911	Gmdrm	hypo	CG	-0.9234
Gm03	32894721	32895034	Gmdrm	hypo	CG	-0.9288
Gm03	32920088	32920263	Gmdrm	hypo	CG	-0.928
Gm03	32920447	32920468	Gmdrm	hypo	CG	-0.715
Gm03	32921966	32922114	Gmdrm	hypo	CG	-0.54
Gm03	32932005	32932104	Gmdrm	hypo	CG	-0.53
Gm03	32965559	32965605	Gmdrm	hypo	CG	-0.035
Gm03	32969235	32969269	Gmdrm	hypo	CG	-0.1467
Gm03	32979997	32980043	Gmdrm	hypo	CG	-0.2583
Gm03	32981691	32981862	Gmdrm	hypo	CG	-0.0365
Gm03	32983275	32984258	Gmdrm	hypo	CG	-0.029
Gm03	33021206	33021455	Gmdrm	hypo	CG	-0.7162
Gm03	33023157	33023194	Gmdrm	hypo	CG	-0.9
Gm03	33025998	33026108	Gmdrm	hypo	CG	-0.239
Gm03	33033054	33033134	Gmdrm	hypo	CG	-0.2784
Gm03	33036237	33036498	Gmdrm	hypo	CG	-0.3893
Gm03	33037527	33037968	Gmdrm	hypo	CG	-0.3069
Gm03	33038108	33038202	Gmdrm	hypo	CG	-0.4424
Gm03	33041024	33041149	Gmdrm	hypo	CG	-0.8117
Gm03	33056727	33057069	Gmdrm	hypo	CG	-0.7785
Gm03	33058063	33058339	Gmdrm	hypo	CG	-0.5007
Gm03	33095362	33096351	Gmdrm	hypo	CG	-0.0321
Gm03	33131570	33131811	Gmdrm	hypo	CG	-0.048
Gm03	33149913	33150284	Gmdrm	hypo	CG	-0.1797
Gm03	33150429	33150668	Gmdrm	hypo	CG	-0.0557
Gm03	33158581	33159456	Gmdrm	hypo	CG	-0.0638
Gm03	33174865	33175114	Gmdrm	hypo	CG	-0.587
Gm03	33182321	33182403	Gmdrm	hypo	CG	-0.1022
Gm03	33215871	33215968	Gmdrm	hypo	CG	-0.3137
Gm03	33233303	33233482	Gmdrm	hypo	CG	-0.4899
Gm03	33233782	33233830	Gmdrm	hypo	CG	-0.85
Gm03	33234078	33234130	Gmdrm	hypo	CG	-0.944
Gm03	33272393	33272479	Gmdrm	hypo	CG	-0.7483
Gm03	33279794	33279891	Gmdrm	hypo	CG	-0.8067
Gm03	33280234	33280291	Gmdrm	hypo	CG	-0.5034
Gm03	33294474	33294586	Gmdrm	hypo	CG	-0.52
Gm03	33312305	33312826	Gmdrm	hypo	CG	-0.0387

Gm03	33313342	33313666	Gmdrm	hypo	CG	-0.1367
Gm03	33316992	33317041	Gmdrm	hypo	CG	-0.6963
Gm03	33338069	33338189	Gmdrm	hypo	CG	-0.1413
Gm03	33376783	33376896	Gmdrm	hypo	CG	-0.7533
Gm03	33392397	33392768	Gmdrm	hypo	CG	-0.2363
Gm03	33397438	33397579	Gmdrm	hypo	CG	-0.4725
Gm03	33401730	33401839	Gmdrm	hypo	CG	-0.9643
Gm03	33402011	33402061	Gmdrm	hypo	CG	-0.7917
Gm03	33435095	33435328	Gmdrm	hypo	CG	-0.9125
Gm03	33437603	33437646	Gmdrm	hypo	CG	-0.715
Gm03	33439360	33439613	Gmdrm	hypo	CG	-0.564
Gm03	33440344	33440487	Gmdrm	hypo	CG	-0.4617
Gm03	33441402	33441529	Gmdrm	hypo	CG	-0.36
Gm03	33443049	33443716	Gmdrm	hypo	CG	-0.304
Gm03	33446606	33446705	Gmdrm	hypo	CG	-0.41
Gm03	33456499	33456837	Gmdrm	hypo	CG	-0.0637
Gm03	33484501	33484576	Gmdrm	hypo	CG	-0.9487
Gm03	33484846	33484909	Gmdrm	hypo	CG	-0.7517
Gm03	33488300	33488368	Gmdrm	hypo	CG	-0.5287
Gm03	33503708	33504044	Gmdrm	hypo	CG	-0.9321
Gm03	33510687	33510761	Gmdrm	hypo	CG	-0.09
Gm03	33522146	33522276	Gmdrm	hypo	CG	-0.057
Gm03	33529637	33529696	Gmdrm	hypo	CG	-0.064
Gm03	33564682	33565087	Gmdrm	hypo	CG	-0.1811
Gm03	33571316	33571449	Gmdrm	hypo	CG	-0.837
Gm03	33573511	33573821	Gmdrm	hypo	CG	-0.4053
Gm03	33573942	33574016	Gmdrm	hypo	CG	-0.2607
Gm03	33583052	33583175	Gmdrm	hypo	CG	-0.4417
Gm03	33595843	33596021	Gmdrm	hypo	CG	-0.91
Gm03	33596184	33596421	Gmdrm	hypo	CG	-0.5025
Gm03	33608501	33608563	Gmdrm	hypo	CG	-0.93
Gm03	33608924	33609083	Gmdrm	hypo	CG	-0.933
Gm03	33613321	33613731	Gmdrm	hypo	CG	-0.0711
Gm03	33614958	33615073	Gmdrm	hypo	CG	-0.6975
Gm03	33616541	33616668	Gmdrm	hypo	CG	-0.784
Gm03	33625242	33625354	Gmdrm	hypo	CG	-0.0575
Gm03	33639170	33640001	Gmdrm	hypo	CG	-0.0677
Gm03	33657797	33658591	Gmdrm	hypo	CG	-0.386
Gm03	33725903	33725992	Gmdrm	hypo	CG	-0.6387
Gm03	33733427	33733563	Gmdrm	hypo	CG	-0.5793
Gm03	33734238	33734345	Gmdrm	hypo	CG	-0.0975
Gm03	33746337	33746505	Gmdrm	hypo	CG	-0.69
Gm03	33755336	33755474	Gmdrm	hypo	CG	-0.697
Gm03	33760146	33760451	Gmdrm	hypo	CG	-0.7664
Gm03	33760677	33760813	Gmdrm	hypo	CG	-0.8467
Gm03	33775110	33775322	Gmdrm	hypo	CG	-0.085

Gm03	33781931	33782007	Gmdrm	hypo	CG	-0.0314
Gm03	33841696	33841877	Gmdrm	hypo	CG	-0.3278
Gm03	33843490	33843658	Gmdrm	hypo	CG	-0.034
Gm03	33844580	33844711	Gmdrm	hypo	CG	-0.74
Gm03	33860920	33861079	Gmdrm	hypo	CG	-0.6687
Gm03	33876796	33877299	Gmdrm	hypo	CG	-0.1531
Gm03	33885517	33885822	Gmdrm	hypo	CG	-0.6479
Gm03	33903475	33903719	Gmdrm	hypo	CG	-0.7694
Gm03	33904989	33905189	Gmdrm	hypo	CG	-0.6034
Gm03	33932785	33932931	Gmdrm	hypo	CG	-0.6529
Gm03	33939959	33940228	Gmdrm	hypo	CG	-0.6933
Gm03	33947119	33947253	Gmdrm	hypo	CG	-0.2576
Gm03	33949975	33950222	Gmdrm	hypo	CG	-0.0345
Gm03	33950466	33950598	Gmdrm	hypo	CG	-0.3587
Gm03	33955108	33955322	Gmdrm	hypo	CG	-0.04
Gm03	33960377	33960514	Gmdrm	hypo	CG	-0.178
Gm03	33960647	33960702	Gmdrm	hypo	CG	-0.1025
Gm03	33970259	33970466	Gmdrm	hypo	CG	-0.5311
Gm03	33982647	33982746	Gmdrm	hypo	CG	-0.585
Gm03	33997429	33997797	Gmdrm	hypo	CG	-0.4667
Gm03	33999308	33999414	Gmdrm	hypo	CG	-0.2725
Gm03	34022241	34022433	Gmdrm	hypo	CG	-0.5138
Gm03	34030161	34030242	Gmdrm	hypo	CG	-0.946
Gm03	34031255	34031561	Gmdrm	hypo	CG	-0.7363
Gm03	34034704	34035065	Gmdrm	hypo	CG	-0.7753
Gm03	34052565	34052667	Gmdrm	hypo	CG	-0.0609
Gm03	34084167	34084431	Gmdrm	hypo	CG	-0.0215
Gm03	34125092	34125302	Gmdrm	hypo	CG	-0.2039
Gm03	34163442	34163479	Gmdrm	hypo	CG	-0.9333
Gm03	34176001	34176208	Gmdrm	hypo	CG	-0.4792
Gm03	34176478	34176594	Gmdrm	hypo	CG	-0.129
Gm03	34176722	34176733	Gmdrm	hypo	CG	-0.15
Gm03	34208262	34208390	Gmdrm	hypo	CG	-0.7208
Gm03	34237361	34237491	Gmdrm	hypo	CG	-0.2442
Gm03	34268446	34268581	Gmdrm	hypo	CG	-0.64
Gm03	34276823	34276974	Gmdrm	hypo	CG	-0.9683
Gm03	34278535	34278663	Gmdrm	hypo	CG	-0.215
Gm03	34302965	34303172	Gmdrm	hypo	CG	-0.3578
Gm03	34303392	34303562	Gmdrm	hypo	CG	-0.269
Gm03	34317992	34318178	Gmdrm	hypo	CG	-0.0383
Gm03	34335028	34335040	Gmdrm	hypo	CG	-0.0334
Gm03	34350054	34350158	Gmdrm	hypo	CG	-0.8972
Gm03	34404870	34404990	Gmdrm	hypo	CG	-0.9038
Gm03	34412836	34413022	Gmdrm	hypo	CG	-0.3624
Gm03	34424224	34424465	Gmdrm	hypo	CG	-0.0873
Gm03	34430228	34430556	Gmdrm	hypo	CG	-0.9614

Gm03	34431199	34431332	Gmdrm	hypo	CG	-0.4117
Gm03	34439567	34439833	Gmdrm	hypo	CG	-0.1514
Gm03	34447904	34448055	Gmdrm	hypo	CG	-0.1943
Gm03	34453600	34453752	Gmdrm	hypo	CG	-0.9257
Gm03	34458248	34458318	Gmdrm	hypo	CG	-0.052
Gm03	34460172	34460329	Gmdrm	hypo	CG	-0.93
Gm03	34464912	34465185	Gmdrm	hypo	CG	-0.8079
Gm03	34465539	34465674	Gmdrm	hypo	CG	-0.55
Gm03	34466210	34466546	Gmdrm	hypo	CG	-0.0378
Gm03	34512307	34512341	Gmdrm	hypo	CG	-0.6071
Gm03	34512517	34512628	Gmdrm	hypo	CG	-0.1783
Gm03	34531656	34531849	Gmdrm	hypo	CG	-0.963
Gm03	34537969	34538065	Gmdrm	hypo	CG	-0.788
Gm03	34564603	34564714	Gmdrm	hypo	CG	-0.126
Gm03	34594954	34595042	Gmdrm	hypo	CG	-0.9144
Gm03	34622977	34623032	Gmdrm	hypo	CG	-0.6816
Gm03	34633688	34633800	Gmdrm	hypo	CG	-0.1331
Gm03	34633911	34634087	Gmdrm	hypo	CG	-0.2114
Gm03	34636670	34636678	Gmdrm	hypo	CG	-0.2333
Gm03	34660854	34660995	Gmdrm	hypo	CG	-0.5769
Gm03	34663280	34663493	Gmdrm	hypo	CG	-0.7008
Gm03	34665705	34665835	Gmdrm	hypo	CG	-0.9007
Gm03	34705800	34705956	Gmdrm	hypo	CG	-0.6372
Gm03	34744596	34744810	Gmdrm	hypo	CG	-0.5063
Gm03	34752648	34752992	Gmdrm	hypo	CG	-0.9635
Gm03	34755835	34756000	Gmdrm	hypo	CG	-0.212
Gm03	34760759	34760804	Gmdrm	hypo	CG	-0.965
Gm03	34761366	34761588	Gmdrm	hypo	CG	-0.825
Gm03	34762115	34762435	Gmdrm	hypo	CG	-0.1658
Gm03	34766052	34766157	Gmdrm	hypo	CG	-0.273
Gm03	34766397	34766449	Gmdrm	hypo	CG	-0.6
Gm03	34767545	34767767	Gmdrm	hypo	CG	-0.1117
Gm03	34773822	34773995	Gmdrm	hypo	CG	-0.9676
Gm03	34791111	34791200	Gmdrm	hypo	CG	-0.4866
Gm03	34793354	34793437	Gmdrm	hypo	CG	-0.565
Gm03	34793775	34793980	Gmdrm	hypo	CG	-0.9114
Gm03	34794349	34794410	Gmdrm	hypo	CG	-0.6
Gm03	34794882	34794912	Gmdrm	hypo	CG	-0.9234
Gm03	34798315	34798464	Gmdrm	hypo	CG	-0.579
Gm03	34801559	34802141	Gmdrm	hypo	CG	-0.7269
Gm03	34842231	34842277	Gmdrm	hypo	CG	-0.9313
Gm03	34854284	34854439	Gmdrm	hypo	CG	-0.928
Gm03	34863548	34863662	Gmdrm	hypo	CG	-0.3737
Gm03	34884971	34885148	Gmdrm	hypo	CG	-0.1157
Gm03	34885373	34885442	Gmdrm	hypo	CG	-0.255
Gm03	34886157	34886613	Gmdrm	hypo	CG	-0.0346

Gm03	34888729	34888905	Gmdrm	hypo	CG	-0.3722
Gm03	34897314	34897351	Gmdrm	hypo	CG	-0.1917
Gm03	34917476	34917660	Gmdrm	hypo	CG	-0.1889
Gm03	34918728	34918859	Gmdrm	hypo	CG	-0.4638
Gm03	34922166	34922610	Gmdrm	hypo	CG	-0.7221
Gm03	34931159	34931287	Gmdrm	hypo	CG	-0.0782
Gm03	34932125	34932264	Gmdrm	hypo	CG	-0.6341
Gm03	34949253	34949436	Gmdrm	hypo	CG	-0.6456
Gm03	34989142	34989389	Gmdrm	hypo	CG	-0.6436
Gm03	34991761	34991895	Gmdrm	hypo	CG	-0.8323
Gm03	35007837	35007874	Gmdrm	hypo	CG	-0.089
Gm03	35041958	35042062	Gmdrm	hypo	CG	-0.6817
Gm03	35046935	35046958	Gmdrm	hypo	CG	-0.046
Gm03	35049014	35049349	Gmdrm	hypo	CG	-0.0691
Gm03	35052083	35052162	Gmdrm	hypo	CG	-0.0858
Gm03	35062501	35062668	Gmdrm	hypo	CG	-0.9011
Gm03	35063063	35063235	Gmdrm	hypo	CG	-0.3758
Gm03	35071132	35071352	Gmdrm	hypo	CG	-0.142
Gm03	35077424	35077770	Gmdrm	hypo	CG	-0.7262
Gm03	35078177	35078386	Gmdrm	hypo	CG	-0.1614
Gm03	35078551	35078743	Gmdrm	hypo	CG	-0.3249
Gm03	35108916	35108964	Gmdrm	hypo	CG	-0.1638
Gm03	35112426	35112503	Gmdrm	hypo	CG	-0.97
Gm03	35128504	35128646	Gmdrm	hypo	CG	-0.35
Gm03	35129210	35129396	Gmdrm	hypo	CG	-0.5708
Gm03	35139832	35140004	Gmdrm	hypo	CG	-0.5213
Gm03	35148110	35148171	Gmdrm	hypo	CG	-0.9733
Gm03	35152683	35152876	Gmdrm	hypo	CG	-0.8325
Gm03	35153374	35153846	Gmdrm	hypo	CG	-0.773
Gm03	35166295	35166339	Gmdrm	hypo	CG	-0.5978
Gm03	35167459	35167710	Gmdrm	hypo	CG	-0.8131
Gm03	35174078	35174193	Gmdrm	hypo	CG	-0.32
Gm03	35174477	35174641	Gmdrm	hypo	CG	-0.3101
Gm03	35177053	35177125	Gmdrm	hypo	CG	-0.788
Gm03	35190946	35191103	Gmdrm	hypo	CG	-0.825
Gm03	35218347	35218647	Gmdrm	hypo	CG	-0.3607
Gm03	35218790	35219038	Gmdrm	hypo	CG	-0.8144
Gm03	35223956	35224053	Gmdrm	hypo	CG	-0.6915
Gm03	35224695	35224911	Gmdrm	hypo	CG	-0.762
Gm03	35239870	35239971	Gmdrm	hypo	CG	-0.0364
Gm03	35247629	35247692	Gmdrm	hypo	CG	-0.2684
Gm03	35263923	35264118	Gmdrm	hypo	CG	-0.7642
Gm03	35286222	35286368	Gmdrm	hypo	CG	-0.8863
Gm03	35295584	35295828	Gmdrm	hypo	CG	-0.4382
Gm03	35296001	35296032	Gmdrm	hypo	CG	-0.9363
Gm03	35296564	35296698	Gmdrm	hypo	CG	-0.2967

Gm03	35302324	35302474	Gmdrm	hypo	CG	-0.6563
Gm03	35302582	35302837	Gmdrm	hypo	CG	-0.8364
Gm03	35313467	35313499	Gmdrm	hypo	CG	-0.952
Gm03	35315379	35315621	Gmdrm	hypo	CG	-0.97
Gm03	35339312	35339372	Gmdrm	hypo	CG	-0.7708
Gm03	35341110	35341211	Gmdrm	hypo	CG	-0.777
Gm03	35342522	35342891	Gmdrm	hypo	CG	-0.3724
Gm03	35356794	35356965	Gmdrm	hypo	CG	-0.4399
Gm03	35373000	35373143	Gmdrm	hypo	CG	-0.6667
Gm03	35377797	35377927	Gmdrm	hypo	CG	-0.8883
Gm03	35378082	35378198	Gmdrm	hypo	CG	-0.6628
Gm03	35391259	35391447	Gmdrm	hypo	CG	-0.95
Gm03	35395775	35395933	Gmdrm	hypo	CG	-0.4414
Gm03	35397556	35397583	Gmdrm	hypo	CG	-0.4733
Gm03	35397758	35398075	Gmdrm	hypo	CG	-0.83
Gm03	35417432	35417507	Gmdrm	hypo	CG	-0.5467
Gm03	35418311	35418390	Gmdrm	hypo	CG	-0.53
Gm03	35418982	35419100	Gmdrm	hypo	CG	-0.5723
Gm03	35425994	35426171	Gmdrm	hypo	CG	-0.725
Gm03	35441269	35441377	Gmdrm	hypo	CG	-0.394
Gm03	35449050	35449468	Gmdrm	hypo	CG	-0.2532
Gm03	35457463	35457819	Gmdrm	hypo	CG	-0.6457
Gm03	35497991	35498126	Gmdrm	hypo	CG	-0.4138
Gm03	35537784	35537842	Gmdrm	hypo	CG	-0.9487
Gm03	35547125	35547321	Gmdrm	hypo	CG	-0.025
Gm03	35554506	35554701	Gmdrm	hypo	CG	-0.1806
Gm03	35582794	35583148	Gmdrm	hypo	CG	-0.7825
Gm03	35622614	35623046	Gmdrm	hypo	CG	-0.39
Gm03	35623777	35624033	Gmdrm	hypo	CG	-0.1633
Gm03	35649288	35649549	Gmdrm	hypo	CG	-0.6859
Gm03	35666122	35666367	Gmdrm	hypo	CG	-0.5135
Gm03	35666715	35666728	Gmdrm	hypo	CG	-0.44
Gm03	35669154	35669274	Gmdrm	hypo	CG	-0.835
Gm03	35686089	35686131	Gmdrm	hypo	CG	-0.6133
Gm03	35694969	35695251	Gmdrm	hypo	CG	-0.897
Gm03	35697655	35697693	Gmdrm	hypo	CG	-0.6483
Gm03	35697860	35698173	Gmdrm	hypo	CG	-0.2223
Gm03	35701213	35701398	Gmdrm	hypo	CG	-0.5242
Gm03	35711919	35711973	Gmdrm	hypo	CG	-0.05
Gm03	35723759	35723994	Gmdrm	hypo	CG	-0.737
Gm03	35728489	35728657	Gmdrm	hypo	CG	-0.2934
Gm03	35740454	35740676	Gmdrm	hypo	CG	-0.0387
Gm03	35747036	35747116	Gmdrm	hypo	CG	-0.509
Gm03	35760180	35760205	Gmdrm	hypo	CG	-0.448
Gm03	35773422	35773506	Gmdrm	hypo	CG	-0.7163
Gm03	35777867	35778101	Gmdrm	hypo	CG	-0.034

Gm03	35782598	35783239	Gmdrm	hypo	CG	-0.1243
Gm03	35784281	35784386	Gmdrm	hypo	CG	-0.8966
Gm03	35788926	35789095	Gmdrm	hypo	CG	-0.5239
Gm03	35789266	35789468	Gmdrm	hypo	CG	-0.3632
Gm03	35790342	35790636	Gmdrm	hypo	CG	-0.8434
Gm03	35792605	35792702	Gmdrm	hypo	CG	-0.8967
Gm03	35798771	35798972	Gmdrm	hypo	CG	-0.0635
Gm03	35809887	35810110	Gmdrm	hypo	CG	-0.6283
Gm03	35824603	35824911	Gmdrm	hypo	CG	-0.061
Gm03	35828172	35828474	Gmdrm	hypo	CG	-0.2203
Gm03	35839848	35839875	Gmdrm	hypo	CG	-0.835
Gm03	35840287	35840372	Gmdrm	hypo	CG	-0.7
Gm03	35843912	35844034	Gmdrm	hypo	CG	-0.0637
Gm03	35860300	35860446	Gmdrm	hypo	CG	-0.5471
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Gm03	35884490	35884564	Gmdrm	hypo	CG	-0.9241
Gm03	35885243	35885357	Gmdrm	hypo	CG	-0.2833
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Gm03	35941571	35941635	Gmdrm	hypo	CG	-0.9233
Gm03	35944127	35944293	Gmdrm	hypo	CG	-0.432
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Gm03	35950172	35950463	Gmdrm	hypo	CG	-0.82
Gm03	35982323	35982575	Gmdrm	hypo	CG	-0.1138
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Gm03	36001979	36002182	Gmdrm	hypo	CG	-0.7263
Gm03	36037437	36037757	Gmdrm	hypo	CG	-0.5429
Gm03	36068935	36068976	Gmdrm	hypo	CG	-0.275
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Gm03	36070950	36071063	Gmdrm	hypo	CG	-0.442
Gm03	36112667	36112887	Gmdrm	hypo	CG	-0.694
Gm03	36113870	36114162	Gmdrm	hypo	CG	-0.4745
Gm03	36116680	36116938	Gmdrm	hypo	CG	-0.7989
Gm03	36123690	36123825	Gmdrm	hypo	CG	-0.74
Gm03	36124042	36124148	Gmdrm	hypo	CG	-0.6
Gm03	36139983	36140226	Gmdrm	hypo	CG	-0.5364
Gm03	36141012	36141132	Gmdrm	hypo	CG	-0.9607
Gm03	36162444	36162658	Gmdrm	hypo	CG	-0.05
Gm03	36169027	36169256	Gmdrm	hypo	CG	-0.642
Gm03	36169399	36169440	Gmdrm	hypo	CG	-0.2083
Gm03	36170846	36171068	Gmdrm	hypo	CG	-0.377
Gm03	36178619	36178840	Gmdrm	hypo	CG	-0.9414

Gm03	36180582	36180713	Gmdrm	hypo	CG	-0.9108
Gm03	36181599	36181735	Gmdrm	hypo	CG	-0.6863
Gm03	36186231	36186658	Gmdrm	hypo	CG	-0.3947
Gm03	36194449	36194691	Gmdrm	hypo	CG	-0.2775
Gm03	36195692	36195916	Gmdrm	hypo	CG	-0.76
Gm03	36219590	36219705	Gmdrm	hypo	CG	-0.9625
Gm03	36253849	36254142	Gmdrm	hypo	CG	-0.1344
Gm03	36254966	36255097	Gmdrm	hypo	CG	-0.1337
Gm03	36259017	36259182	Gmdrm	hypo	CG	-0.1737
Gm03	36259652	36260174	Gmdrm	hypo	CG	-0.425
Gm03	36271261	36271344	Gmdrm	hypo	CG	-0.332
Gm03	36271447	36271502	Gmdrm	hypo	CG	-0.914
Gm03	36271693	36271877	Gmdrm	hypo	CG	-0.05
Gm03	36272269	36272712	Gmdrm	hypo	CG	-0.7126
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Gm03	36284145	36284377	Gmdrm	hypo	CG	-0.9113
Gm03	36294915	36295150	Gmdrm	hypo	CG	-0.5943
Gm03	36299042	36299456	Gmdrm	hypo	CG	-0.66
Gm03	36312268	36312373	Gmdrm	hypo	CG	-0.3857
Gm03	36316504	36316529	Gmdrm	hypo	CG	-0.1633
Gm03	36390155	36390271	Gmdrm	hypo	CG	-0.034
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Gm03	36430503	36431217	Gmdrm	hypo	CG	-0.158
Gm03	36455078	36455531	Gmdrm	hypo	CG	-0.2645
Gm03	36482777	36482881	Gmdrm	hypo	CG	-0.58
Gm03	36484540	36484775	Gmdrm	hypo	CG	-0.9429
Gm03	36503681	36503727	Gmdrm	hypo	CG	-0.776
Gm03	36540928	36541073	Gmdrm	hypo	CG	-0.166
Gm03	36542167	36542325	Gmdrm	hypo	CG	-0.8233
Gm03	36543531	36543885	Gmdrm	hypo	CG	-0.638
Gm03	36545570	36545604	Gmdrm	hypo	CG	-0.3666
Gm03	36551515	36551640	Gmdrm	hypo	CG	-0.8883
Gm03	36561090	36561119	Gmdrm	hypo	CG	-0.9433
Gm03	36591312	36591355	Gmdrm	hypo	CG	-0.7566
Gm03	36591571	36591615	Gmdrm	hypo	CG	-0.83
Gm03	36603397	36603668	Gmdrm	hypo	CG	-0.4225
Gm03	36638554	36638881	Gmdrm	hypo	CG	-0.185
Gm03	36690911	36691064	Gmdrm	hypo	CG	-0.075
Gm03	36699415	36699741	Gmdrm	hypo	CG	-0.2709
Gm03	36743302	36743448	Gmdrm	hypo	CG	-0.8523
Gm03	36755673	36755771	Gmdrm	hypo	CG	-0.7487
Gm03	36759586	36759669	Gmdrm	hypo	CG	-0.1857
Gm03	36759795	36759900	Gmdrm	hypo	CG	-0.6612
Gm03	36802811	36802938	Gmdrm	hypo	CG	-0.8172
Gm03	36807943	36808023	Gmdrm	hypo	CG	-0.8884
Gm03	36839927	36840508	Gmdrm	hypo	CG	-0.2879

Gm03	36840759	36840969	Gmdrm	hypo	CG	-0.8317
Gm03	36845434	36845562	Gmdrm	hypo	CG	-0.52
Gm03	36852950	36853136	Gmdrm	hypo	CG	-0.9275
Gm03	36869849	36870184	Gmdrm	hypo	CG	-0.4436
Gm03	36905087	36905389	Gmdrm	hypo	CG	-0.8785
Gm03	36906888	36906929	Gmdrm	hypo	CG	-0.8462
Gm03	36907259	36907477	Gmdrm	hypo	CG	-0.6623
Gm03	36909500	36909637	Gmdrm	hypo	CG	-0.0828
Gm03	36917573	36917688	Gmdrm	hypo	CG	-0.5662
Gm03	36918160	36918521	Gmdrm	hypo	CG	-0.45
Gm03	36936143	36936637	Gmdrm	hypo	CG	-0.7556
Gm03	36937332	36937365	Gmdrm	hypo	CG	-0.2817
Gm03	36937540	36937914	Gmdrm	hypo	CG	-0.8446
Gm03	36947669	36947766	Gmdrm	hypo	CG	-0.936
Gm03	36948887	36949076	Gmdrm	hypo	CG	-0.145
Gm03	36949576	36949729	Gmdrm	hypo	CG	-0.1434
Gm03	36954626	36954956	Gmdrm	hypo	CG	-0.7622
Gm03	36961892	36962215	Gmdrm	hypo	CG	-0.37
Gm03	36962854	36963041	Gmdrm	hypo	CG	-0.1873
Gm03	36966611	36966790	Gmdrm	hypo	CG	-0.4558
Gm03	36967228	36967371	Gmdrm	hypo	CG	-0.1209
Gm03	36968754	36969346	Gmdrm	hypo	CG	-0.1028
Gm03	37007352	37007684	Gmdrm	hypo	CG	-0.8807
Gm03	37018095	37018954	Gmdrm	hypo	CG	-0.0225
Gm03	37030364	37030613	Gmdrm	hypo	CG	-0.0668
Gm03	37090524	37090835	Gmdrm	hypo	CG	-0.4858
Gm03	37110896	37110949	Gmdrm	hypo	CG	-0.5192
Gm03	37127903	37128034	Gmdrm	hypo	CG	-0.6675
Gm03	37128657	37128806	Gmdrm	hypo	CG	-0.587
Gm03	37135990	37136324	Gmdrm	hypo	CG	-0.5629
Gm03	37142762	37142808	Gmdrm	hypo	CG	-0.195
Gm03	37179558	37179870	Gmdrm	hypo	CG	-0.27
Gm03	37230539	37230689	Gmdrm	hypo	CG	-0.6513
Gm03	37253256	37253351	Gmdrm	hypo	CG	-0.064
Gm03	37280237	37280325	Gmdrm	hypo	CG	-0.7025
Gm03	37282738	37282846	Gmdrm	hypo	CG	-0.4507
Gm03	37283601	37283858	Gmdrm	hypo	CG	-0.3929
Gm03	37284283	37284419	Gmdrm	hypo	CG	-0.665
Gm03	37333177	37333255	Gmdrm	hypo	CG	-0.1063
Gm03	37347310	37347520	Gmdrm	hypo	CG	-0.05
Gm03	37353231	37353269	Gmdrm	hypo	CG	-0.865
Gm03	37360113	37360191	Gmdrm	hypo	CG	-0.4887
Gm03	37365061	37365245	Gmdrm	hypo	CG	-0.3858
Gm03	37425710	37425805	Gmdrm	hypo	CG	-0.4499
Gm03	37426101	37426196	Gmdrm	hypo	CG	-0.49
Gm03	37470324	37470452	Gmdrm	hypo	CG	-0.0413

Gm03	37494717	37494777	Gmdrm	hypo	CG	-0.1312
Gm03	37498337	37498362	Gmdrm	hypo	CG	-0.2867
Gm03	37511272	37511506	Gmdrm	hypo	CG	-0.5058
Gm03	37513687	37514244	Gmdrm	hypo	CG	-0.2803
Gm03	37515915	37515997	Gmdrm	hypo	CG	-0.1
Gm03	37516877	37517003	Gmdrm	hypo	CG	-0.032
Gm03	37532292	37532306	Gmdrm	hypo	CG	-0.42
Gm03	37533029	37533476	Gmdrm	hypo	CG	-0.195
Gm03	37550317	37550394	Gmdrm	hypo	CG	-0.744
Gm03	37590662	37590838	Gmdrm	hypo	CG	-0.658
Gm03	37591049	37591129	Gmdrm	hypo	CG	-0.76
Gm03	37591443	37591650	Gmdrm	hypo	CG	-0.6808
Gm03	37596298	37596462	Gmdrm	hypo	CG	-0.082
Gm03	37597149	37597341	Gmdrm	hypo	CG	-0.4044
Gm03	37600190	37600216	Gmdrm	hypo	CG	-0.4317
Gm03	37617009	37617114	Gmdrm	hypo	CG	-0.724
Gm03	37630245	37630390	Gmdrm	hypo	CG	-0.9111
Gm03	37631211	37631317	Gmdrm	hypo	CG	-0.6067
Gm03	37631595	37631628	Gmdrm	hypo	CG	-0.81
Gm03	37633943	37634356	Gmdrm	hypo	CG	-0.9028
Gm03	37635842	37635995	Gmdrm	hypo	CG	-0.112
Gm03	37688944	37689053	Gmdrm	hypo	CG	-0.0691
Gm03	37693101	37693190	Gmdrm	hypo	CG	-0.6858
Gm03	37707680	37707953	Gmdrm	hypo	CG	-0.0618
Gm03	37722365	37722712	Gmdrm	hypo	CG	-0.3675
Gm03	37728984	37729059	Gmdrm	hypo	CG	-0.8267
Gm03	37734802	37735133	Gmdrm	hypo	CG	-0.23
Gm03	37735713	37735922	Gmdrm	hypo	CG	-0.53
Gm03	37759890	37760282	Gmdrm	hypo	CG	-0.93
Gm03	37766450	37766791	Gmdrm	hypo	CG	-0.0646
Gm03	37810441	37810552	Gmdrm	hypo	CG	-0.112
Gm03	37830904	37831167	Gmdrm	hypo	CG	-0.762
Gm03	37834284	37834599	Gmdrm	hypo	CG	-0.7775
Gm03	37835069	37835271	Gmdrm	hypo	CG	-0.528
Gm03	37843435	37843608	Gmdrm	hypo	CG	-0.853
Gm03	37860257	37860351	Gmdrm	hypo	CG	-0.935
Gm03	37863981	37864303	Gmdrm	hypo	CG	-0.386
Gm03	37917887	37918119	Gmdrm	hypo	CG	-0.4246
Gm03	37920104	37920286	Gmdrm	hypo	CG	-0.901
Gm03	37921088	37921186	Gmdrm	hypo	CG	-0.789
Gm03	37921435	37921568	Gmdrm	hypo	CG	-0.3317
Gm03	37939244	37939621	Gmdrm	hypo	CG	-0.9332
Gm03	37943121	37943169	Gmdrm	hypo	CG	-0.052
Gm03	37990094	37990190	Gmdrm	hypo	CG	-0.9463
Gm03	37993732	37993787	Gmdrm	hypo	CG	-0.85
Gm03	37995884	37996056	Gmdrm	hypo	CG	-0.595

Gm03	37996172	37996377	Gmdrm	hypo	CG	-0.8809
Gm03	38001606	38001637	Gmdrm	hypo	CG	-0.916
Gm03	38012195	38012370	Gmdrm	hypo	CG	-0.7543
Gm03	38012736	38012785	Gmdrm	hypo	CG	-0.8533
Gm03	38013388	38013802	Gmdrm	hypo	CG	-0.262
Gm03	38025518	38025785	Gmdrm	hypo	CG	-0.152
Gm03	38060296	38060351	Gmdrm	hypo	CG	-0.055
Gm03	38064745	38065164	Gmdrm	hypo	CG	-0.1791
Gm03	38082050	38082407	Gmdrm	hypo	CG	-0.7275
Gm03	38098654	38098683	Gmdrm	hypo	CG	-0.35
Gm03	38098867	38098956	Gmdrm	hypo	CG	-0.1557
Gm03	38099183	38099479	Gmdrm	hypo	CG	-0.3444
Gm03	38103352	38103446	Gmdrm	hypo	CG	-0.5
Gm03	38124661	38124770	Gmdrm	hypo	CG	-0.726
Gm03	38134974	38135431	Gmdrm	hypo	CG	-0.6232
Gm03	38150527	38150781	Gmdrm	hypo	CG	-0.2886
Gm03	38158834	38159030	Gmdrm	hypo	CG	-0.3205
Gm03	38177875	38178016	Gmdrm	hypo	CG	-0.4971
Gm03	38178445	38178564	Gmdrm	hypo	CG	-0.73
Gm03	38180359	38180376	Gmdrm	hypo	CG	-0.9183
Gm03	38181531	38181645	Gmdrm	hypo	CG	-0.9475
Gm03	38184985	38185315	Gmdrm	hypo	CG	-0.3842
Gm03	38194261	38194331	Gmdrm	hypo	CG	-0.0983
Gm03	38199771	38199906	Gmdrm	hypo	CG	-0.9043
Gm03	38200030	38200075	Gmdrm	hypo	CG	-0.7817
Gm03	38200412	38200545	Gmdrm	hypo	CG	-0.0853
Gm03	38220592	38220775	Gmdrm	hypo	CG	-0.4488
Gm03	38221136	38221211	Gmdrm	hypo	CG	-0.94
Gm03	38238462	38238495	Gmdrm	hypo	CG	-0.695
Gm03	38238755	38238912	Gmdrm	hypo	CG	-0.679
Gm03	38239432	38239559	Gmdrm	hypo	CG	-0.3333
Gm03	38255579	38255707	Gmdrm	hypo	CG	-0.7567
Gm03	38260246	38260494	Gmdrm	hypo	CG	-0.8774
Gm03	38279152	38279253	Gmdrm	hypo	CG	-0.0433
Gm03	38280960	38281074	Gmdrm	hypo	CG	-0.4042
Gm03	38281422	38281473	Gmdrm	hypo	CG	-0.898
Gm03	38287940	38288007	Gmdrm	hypo	CG	-0.905
Gm03	38307672	38307983	Gmdrm	hypo	CG	-0.9754
Gm03	38345015	38345291	Gmdrm	hypo	CG	-0.7556
Gm03	38345722	38345843	Gmdrm	hypo	CG	-0.6084
Gm03	38351468	38351553	Gmdrm	hypo	CG	-0.935
Gm03	38362681	38362740	Gmdrm	hypo	CG	-0.771
Gm03	38363553	38363777	Gmdrm	hypo	CG	-0.8036
Gm03	38383735	38383915	Gmdrm	hypo	CG	-0.044
Gm03	38391729	38392168	Gmdrm	hypo	CG	-0.4041
Gm03	38392365	38392499	Gmdrm	hypo	CG	-0.3175

Gm03	38392683	38392786	Gmdrm	hypo	CG	-0.305
Gm03	38421449	38421623	Gmdrm	hypo	CG	-0.5945
Gm03	38421749	38421915	Gmdrm	hypo	CG	-0.376
Gm03	38422084	38422435	Gmdrm	hypo	CG	-0.0644
Gm03	38452248	38452398	Gmdrm	hypo	CG	-0.891
Gm03	38480056	38480164	Gmdrm	hypo	CG	-0.762
Gm03	38480648	38480725	Gmdrm	hypo	CG	-0.1
Gm03	38483190	38483342	Gmdrm	hypo	CG	-0.3025
Gm03	38485262	38485473	Gmdrm	hypo	CG	-0.6085
Gm03	38495760	38495947	Gmdrm	hypo	CG	-0.27
Gm03	38496799	38496970	Gmdrm	hypo	CG	-0.426
Gm03	38497132	38497274	Gmdrm	hypo	CG	-0.6543
Gm03	38500207	38500314	Gmdrm	hypo	CG	-0.74
Gm03	38500453	38500759	Gmdrm	hypo	CG	-0.5641
Gm03	38507447	38507566	Gmdrm	hypo	CG	-0.1427
Gm03	38507972	38508257	Gmdrm	hypo	CG	-0.805
Gm03	38533503	38534093	Gmdrm	hypo	CG	-0.5738
Gm03	38575820	38576005	Gmdrm	hypo	CG	-0.4131
Gm03	38576777	38576845	Gmdrm	hypo	CG	-0.5584
Gm03	38582794	38582894	Gmdrm	hypo	CG	-0.924
Gm03	38583021	38583370	Gmdrm	hypo	CG	-0.7519
Gm03	38606230	38606317	Gmdrm	hypo	CG	-0.715
Gm03	38622539	38622608	Gmdrm	hypo	CG	-0.2194
Gm03	38622770	38622931	Gmdrm	hypo	CG	-0.1725
Gm03	38623142	38623361	Gmdrm	hypo	CG	-0.52
Gm03	38626456	38626537	Gmdrm	hypo	CG	-0.9683
Gm03	38648752	38648852	Gmdrm	hypo	CG	-0.5133
Gm03	38661983	38662099	Gmdrm	hypo	CG	-0.044
Gm03	38682828	38682859	Gmdrm	hypo	CG	-0.935
Gm03	38715624	38715711	Gmdrm	hypo	CG	-0.269
Gm03	38715871	38715886	Gmdrm	hypo	CG	-0.245
Gm03	38731459	38732072	Gmdrm	hypo	CG	-0.0868
Gm03	38765630	38765876	Gmdrm	hypo	CG	-0.5775
Gm03	38772858	38773002	Gmdrm	hypo	CG	-0.965
Gm03	38773304	38773919	Gmdrm	hypo	CG	-0.2343
Gm03	38823093	38823253	Gmdrm	hypo	CG	-0.555
Gm03	38828895	38829009	Gmdrm	hypo	CG	-0.5066
Gm03	38876472	38876793	Gmdrm	hypo	CG	-0.6504
Gm03	38921577	38921959	Gmdrm	hypo	CG	-0.8169
Gm03	38922173	38922204	Gmdrm	hypo	CG	-0.9162
Gm03	38926296	38926424	Gmdrm	hypo	CG	-0.036
Gm03	38927867	38928084	Gmdrm	hypo	CG	-0.9185
Gm03	38966210	38966380	Gmdrm	hypo	CG	-0.1184
Gm03	38970757	38971018	Gmdrm	hypo	CG	-0.2015
Gm03	38974287	38974619	Gmdrm	hypo	CG	-0.5681
Gm03	38977921	38978255	Gmdrm	hypo	CG	-0.43

Gm03	39009856	39009891	Gmdrm	hypo	CG	-0.7533
Gm03	39028961	39029033	Gmdrm	hypo	CG	-0.6317
Gm03	39051875	39051942	Gmdrm	hypo	CG	-0.7467
Gm03	39052055	39052148	Gmdrm	hypo	CG	-0.9177
Gm03	39053636	39053754	Gmdrm	hypo	CG	-0.1434
Gm03	39072033	39072238	Gmdrm	hypo	CG	-0.3559
Gm03	39072359	39072633	Gmdrm	hypo	CG	-0.0873
Gm03	39127765	39127859	Gmdrm	hypo	CG	-0.632
Gm03	39130459	39130637	Gmdrm	hypo	CG	-0.4058
Gm03	39131007	39131099	Gmdrm	hypo	CG	-0.2867
Gm03	39147861	39148006	Gmdrm	hypo	CG	-0.9669
Gm03	39154342	39154459	Gmdrm	hypo	CG	-0.8467
Gm03	39154726	39154889	Gmdrm	hypo	CG	-0.4945
Gm03	39185015	39185176	Gmdrm	hypo	CG	-0.4461
Gm03	39185429	39185573	Gmdrm	hypo	CG	-0.471
Gm03	39225923	39226044	Gmdrm	hypo	CG	-0.075
Gm03	39227383	39227393	Gmdrm	hypo	CG	-0.82
Gm03	39239551	39239668	Gmdrm	hypo	CG	-0.675
Gm03	39240869	39241024	Gmdrm	hypo	CG	-0.05
Gm03	39245857	39246017	Gmdrm	hypo	CG	-0.2075
Gm03	39253838	39254340	Gmdrm	hypo	CG	-0.0672
Gm03	39255553	39255632	Gmdrm	hypo	CG	-0.96
Gm03	39257991	39258101	Gmdrm	hypo	CG	-0.4088
Gm03	39262084	39262200	Gmdrm	hypo	CG	-0.4016
Gm03	39268680	39268844	Gmdrm	hypo	CG	-0.6108
Gm03	39270722	39271055	Gmdrm	hypo	CG	-0.0717
Gm03	39274406	39274441	Gmdrm	hypo	CG	-0.045
Gm03	39302510	39302815	Gmdrm	hypo	CG	-0.904
Gm03	39327370	39327869	Gmdrm	hypo	CG	-0.0447
Gm03	39412978	39413057	Gmdrm	hypo	CG	-0.3762
Gm03	39419810	39419926	Gmdrm	hypo	CG	-0.7229
Gm03	39459988	39460145	Gmdrm	hypo	CG	-0.6633
Gm03	39504463	39504663	Gmdrm	hypo	CG	-0.54
Gm03	39516338	39516402	Gmdrm	hypo	CG	-0.9433
Gm03	39524692	39524726	Gmdrm	hypo	CG	-0.2533
Gm03	39525103	39525379	Gmdrm	hypo	CG	-0.6755
Gm03	39541774	39541864	Gmdrm	hypo	CG	-0.9612
Gm03	39542031	39542186	Gmdrm	hypo	CG	-0.9417
Gm03	39567008	39567238	Gmdrm	hypo	CG	-0.7964
Gm03	39567569	39567948	Gmdrm	hypo	CG	-0.7622
Gm03	39571657	39571828	Gmdrm	hypo	CG	-0.51
Gm03	39575509	39575643	Gmdrm	hypo	CG	-0.91
Gm03	39575769	39576001	Gmdrm	hypo	CG	-0.8461
Gm03	39582994	39583237	Gmdrm	hypo	CG	-0.8919
Gm03	39587435	39587601	Gmdrm	hypo	CG	-0.036
Gm03	39602211	39602241	Gmdrm	hypo	CG	-0.61

Gm03	39602342	39602398	Gmdrm	hypo	CG	-0.33
Gm03	39602795	39602934	Gmdrm	hypo	CG	-0.5214
Gm03	39629145	39629578	Gmdrm	hypo	CG	-0.37
Gm03	39693951	39694025	Gmdrm	hypo	CG	-0.775
Gm03	39707750	39707918	Gmdrm	hypo	CG	-0.0589
Gm03	39723685	39723949	Gmdrm	hypo	CG	-0.0891
Gm03	39724324	39724529	Gmdrm	hypo	CG	-0.7724
Gm03	39729594	39729866	Gmdrm	hypo	CG	-0.0512
Gm03	39747881	39747978	Gmdrm	hypo	CG	-0.4988
Gm03	39777505	39777582	Gmdrm	hypo	CG	-0.044
Gm03	39782608	39782783	Gmdrm	hypo	CG	-0.8181
Gm03	39786850	39786977	Gmdrm	hypo	CG	-0.1975
Gm03	39787456	39787496	Gmdrm	hypo	CG	-0.8367
Gm03	39790184	39790476	Gmdrm	hypo	CG	-0.04
Gm03	39803089	39803184	Gmdrm	hypo	CG	-0.395
Gm03	39836441	39836727	Gmdrm	hypo	CG	-0.367
Gm03	39859164	39859210	Gmdrm	hypo	CG	-0.05
Gm03	39867267	39867421	Gmdrm	hypo	CG	-0.5816
Gm03	39928182	39928365	Gmdrm	hypo	CG	-0.2464
Gm03	39934811	39934973	Gmdrm	hypo	CG	-0.032
Gm03	39943971	39944123	Gmdrm	hypo	CG	-0.6596
Gm03	39944355	39944594	Gmdrm	hypo	CG	-0.7446
Gm03	39950589	39950926	Gmdrm	hypo	CG	-0.7196
Gm03	39955227	39955258	Gmdrm	hypo	CG	-0.53
Gm03	39961963	39962232	Gmdrm	hypo	CG	-0.1342
Gm03	39963707	39963848	Gmdrm	hypo	CG	-0.5283
Gm03	39972273	39972387	Gmdrm	hypo	CG	-0.9078
Gm03	39972627	39972778	Gmdrm	hypo	CG	-0.6445
Gm03	39989373	39989540	Gmdrm	hypo	CG	-0.4789
Gm03	40028335	40028490	Gmdrm	hypo	CG	-0.2344
Gm03	40037724	40037930	Gmdrm	hypo	CG	-0.3161
Gm03	40042781	40042800	Gmdrm	hypo	CG	-0.4617
Gm03	40044966	40045251	Gmdrm	hypo	CG	-0.505
Gm03	40093610	40093633	Gmdrm	hypo	CG	-0.0316
Gm03	40113392	40113447	Gmdrm	hypo	CG	-0.0317
Gm03	40130184	40130310	Gmdrm	hypo	CG	-0.9758
Gm03	40153004	40153204	Gmdrm	hypo	CG	-0.2849
Gm03	40207632	40207843	Gmdrm	hypo	CG	-0.9408
Gm03	40211705	40212002	Gmdrm	hypo	CG	-0.0382
Gm03	40230073	40230107	Gmdrm	hypo	CG	-0.9484
Gm03	40239038	40239185	Gmdrm	hypo	CG	-0.55
Gm03	40255454	40255558	Gmdrm	hypo	CG	-0.675
Gm03	40282202	40282268	Gmdrm	hypo	CG	-0.4416
Gm03	40283151	40283345	Gmdrm	hypo	CG	-0.841
Gm03	40289464	40289561	Gmdrm	hypo	CG	-0.3138
Gm03	40294725	40294827	Gmdrm	hypo	CG	-0.752

Gm03	40294979	40295107	Gmdrm	hypo	CG	-0.7533
Gm03	40318308	40318422	Gmdrm	hypo	CG	-0.938
Gm03	40321863	40322105	Gmdrm	hypo	CG	-0.0383
Gm03	40322998	40323240	Gmdrm	hypo	CG	-0.863
Gm03	40350955	40351140	Gmdrm	hypo	CG	-0.9028
Gm03	40371493	40371672	Gmdrm	hypo	CG	-0.896
Gm03	40372043	40372211	Gmdrm	hypo	CG	-0.042
Gm03	40381390	40381415	Gmdrm	hypo	CG	-0.955
Gm03	40381557	40381571	Gmdrm	hypo	CG	-0.955
Gm03	40403934	40404197	Gmdrm	hypo	CG	-0.6484
Gm03	40404299	40404345	Gmdrm	hypo	CG	-0.9817
Gm03	40418339	40418511	Gmdrm	hypo	CG	-0.6411
Gm03	40419060	40419175	Gmdrm	hypo	CG	-0.5286
Gm03	40419282	40419387	Gmdrm	hypo	CG	-0.4463
Gm03	40450622	40450918	Gmdrm	hypo	CG	-0.3555
Gm03	40457126	40457255	Gmdrm	hypo	CG	-0.028
Gm03	40463023	40463141	Gmdrm	hypo	CG	-0.0528
Gm03	40464813	40464903	Gmdrm	hypo	CG	-0.825
Gm03	40474348	40474460	Gmdrm	hypo	CG	-0.4588
Gm03	40475334	40475469	Gmdrm	hypo	CG	-0.0863
Gm03	40488759	40488810	Gmdrm	hypo	CG	-0.042
Gm03	40491090	40491251	Gmdrm	hypo	CG	-0.9617
Gm03	40519882	40520031	Gmdrm	hypo	CG	-0.875
Gm03	40520558	40520767	Gmdrm	hypo	CG	-0.8128
Gm03	40529996	40530202	Gmdrm	hypo	CG	-0.745
Gm03	40530337	40530403	Gmdrm	hypo	CG	-0.8917
Gm03	40536174	40536313	Gmdrm	hypo	CG	-0.025
Gm03	40547239	40547379	Gmdrm	hypo	CG	-0.088
Gm03	40561043	40561338	Gmdrm	hypo	CG	-0.0657
Gm03	40573914	40574060	Gmdrm	hypo	CG	-0.89
Gm03	40574461	40574551	Gmdrm	hypo	CG	-0.2317
Gm03	40574865	40575054	Gmdrm	hypo	CG	-0.232
Gm03	40575308	40575423	Gmdrm	hypo	CG	-0.1412
Gm03	40576204	40576728	Gmdrm	hypo	CG	-0.3358
Gm03	40609974	40610025	Gmdrm	hypo	CG	-0.03
Gm03	40679489	40679551	Gmdrm	hypo	CG	-0.9
Gm03	40694232	40694399	Gmdrm	hypo	CG	-0.4586
Gm03	40697051	40697064	Gmdrm	hypo	CG	-0.0433
Gm03	40739232	40739469	Gmdrm	hypo	CG	-0.0736
Gm03	40795806	40796012	Gmdrm	hypo	CG	-0.0314
Gm03	40824444	40824494	Gmdrm	hypo	CG	-0.6234
Gm03	40832920	40832997	Gmdrm	hypo	CG	-0.7683
Gm03	40840943	40841056	Gmdrm	hypo	CG	-0.555
Gm03	40869951	40870093	Gmdrm	hypo	CG	-0.652
Gm03	40881798	40882031	Gmdrm	hypo	CG	-0.0567
Gm03	40903414	40903462	Gmdrm	hypo	CG	-0.9533

Gm03	40911577	40911615 Gmdrm	hypo	CG	-0.9383
Gm03	40951416	40951561 Gmdrm	hypo	CG	-0.1748
Gm03	40952391	40952488 Gmdrm	hypo	CG	-0.7625
Gm03	40966443	40966512 Gmdrm	hypo	CG	-0.88
Gm03	41024125	41024178 Gmdrm	hypo	CG	-0.752
Gm03	41024838	41024929 Gmdrm	hypo	CG	-0.9583
Gm03	41032299	41032368 Gmdrm	hypo	CG	-0.7862
Gm03	41032537	41032666 Gmdrm	hypo	CG	-0.6682
Gm03	41033845	41034171 Gmdrm	hypo	CG	-0.34
Gm03	41035161	41035230 Gmdrm	hypo	CG	-0.0417
Gm03	41046658	41046810 Gmdrm	hypo	CG	-0.857
Gm03	41055576	41056159 Gmdrm	hypo	CG	-0.476
Gm03	41056271	41056994 Gmdrm	hypo	CG	-0.2129
Gm03	41123479	41123500 Gmdrm	hypo	CG	-0.9617
Gm03	41147258	41147599 Gmdrm	hypo	CG	-0.4291
Gm03	41193603	41193818 Gmdrm	hypo	CG	-0.607
Gm03	41194206	41194378 Gmdrm	hypo	CG	-0.1484
Gm03	41236759	41236940 Gmdrm	hypo	CG	-0.7955
Gm03	41280413	41280634 Gmdrm	hypo	CG	-0.05
Gm03	41283191	41283260 Gmdrm	hypo	CG	-0.965
Gm03	41314723	41314959 Gmdrm	hypo	CG	-0.4838
Gm03	41319471	41319830 Gmdrm	hypo	CG	-0.4621
Gm03	41323864	41323930 Gmdrm	hypo	CG	-0.734
Gm03	41326150	41326399 Gmdrm	hypo	CG	-0.781
Gm03	41345805	41346019 Gmdrm	hypo	CG	-0.6907
Gm03	41359731	41359889 Gmdrm	hypo	CG	-0.6128
Gm03	41372443	41372572 Gmdrm	hypo	CG	-0.7486
Gm03	41372753	41372814 Gmdrm	hypo	CG	-0.27
Gm03	41401322	41401379 Gmdrm	hypo	CG	-0.8317
Gm03	41406869	41407148 Gmdrm	hypo	CG	-0.04
Gm03	41417604	41417704 Gmdrm	hypo	CG	-0.0387
Gm03	41438812	41438944 Gmdrm	hypo	CG	-0.962
Gm03	41439809	41439888 Gmdrm	hypo	CG	-0.065
Gm03	41464050	41464139 Gmdrm	hypo	CG	-0.7333
Gm03	41474640	41474830 Gmdrm	hypo	CG	-0.05
Gm03	41482156	41482234 Gmdrm	hypo	CG	-0.7733
Gm03	41483736	41484012 Gmdrm	hypo	CG	-0.7813
Gm03	41484288	41484538 Gmdrm	hypo	CG	-0.5486
Gm03	41484682	41484822 Gmdrm	hypo	CG	-0.5844
Gm03	41507998	41508332 Gmdrm	hypo	CG	-0.9455
Gm03	41516452	41516526 Gmdrm	hypo	CG	-0.9513
Gm03	41535054	41535222 Gmdrm	hypo	CG	-0.94
Gm03	41558207	41558282 Gmdrm	hypo	CG	-0.0629
Gm03	41567594	41567650 Gmdrm	hypo	CG	-0.0644
Gm03	41570358	41570895 Gmdrm	hypo	CG	-0.1018
Gm03	41571300	41571355 Gmdrm	hypo	CG	-0.2766

Gm03	41575563	41575627	Gmdrm	hypo	CG	-0.31
Gm03	41579949	41580094	Gmdrm	hypo	CG	-0.1009
Gm03	41584788	41585004	Gmdrm	hypo	CG	-0.038
Gm03	41606072	41606453	Gmdrm	hypo	CG	-0.3452
Gm03	41611192	41611233	Gmdrm	hypo	CG	-0.63
Gm03	41613571	41613979	Gmdrm	hypo	CG	-0.6612
Gm03	41638486	41638672	Gmdrm	hypo	CG	-0.5316
Gm03	41653205	41653302	Gmdrm	hypo	CG	-0.275
Gm03	41688528	41688640	Gmdrm	hypo	CG	-0.53
Gm03	41695519	41695950	Gmdrm	hypo	CG	-0.78
Gm03	41737373	41737432	Gmdrm	hypo	CG	-0.73
Gm03	41738744	41738934	Gmdrm	hypo	CG	-0.7175
Gm03	41787710	41787930	Gmdrm	hypo	CG	-0.4862
Gm03	41788186	41788337	Gmdrm	hypo	CG	-0.6495
Gm03	41796904	41797033	Gmdrm	hypo	CG	-0.0463
Gm03	41807389	41807515	Gmdrm	hypo	CG	-0.484
Gm03	41832569	41832923	Gmdrm	hypo	CG	-0.0386
Gm03	41935467	41935553	Gmdrm	hypo	CG	-0.415
Gm03	41958370	41958499	Gmdrm	hypo	CG	-0.0767
Gm03	41972857	41972961	Gmdrm	hypo	CG	-0.925
Gm03	41990376	41990541	Gmdrm	hypo	CG	-0.7424
Gm03	42008268	42008435	Gmdrm	hypo	CG	-0.03
Gm03	42009197	42009355	Gmdrm	hypo	CG	-0.9189
Gm03	42014190	42014257	Gmdrm	hypo	CG	-0.9387
Gm03	42015411	42015513	Gmdrm	hypo	CG	-0.1065
Gm03	42018840	42019114	Gmdrm	hypo	CG	-0.1206
Gm03	42034383	42034512	Gmdrm	hypo	CG	-0.9
Gm03	42044643	42044659	Gmdrm	hypo	CG	-0.945
Gm03	42046911	42047005	Gmdrm	hypo	CG	-0.5266
Gm03	42073899	42074102	Gmdrm	hypo	CG	-0.2079
Gm03	42074400	42074536	Gmdrm	hypo	CG	-0.4537
Gm03	42096327	42096590	Gmdrm	hypo	CG	-0.703
Gm03	42102667	42102934	Gmdrm	hypo	CG	-0.869
Gm03	42103135	42103382	Gmdrm	hypo	CG	-0.4659
Gm03	42103577	42103882	Gmdrm	hypo	CG	-0.9665
Gm03	42122421	42122763	Gmdrm	hypo	CG	-0.5072
Gm03	42123068	42123111	Gmdrm	hypo	CG	-0.7229
Gm03	42123273	42123451	Gmdrm	hypo	CG	-0.5966
Gm03	42133912	42134159	Gmdrm	hypo	CG	-0.774
Gm03	42135136	42135204	Gmdrm	hypo	CG	-0.735
Gm03	42135329	42135615	Gmdrm	hypo	CG	-0.577
Gm03	42167180	42167608	Gmdrm	hypo	CG	-0.8152
Gm03	42168951	42169095	Gmdrm	hypo	CG	-0.863
Gm03	42173556	42173681	Gmdrm	hypo	CG	-0.8425
Gm03	42173814	42173881	Gmdrm	hypo	CG	-0.67
Gm03	42208314	42208413	Gmdrm	hypo	CG	-0.034

Gm03	42232921	42232991 Gmdrm	hypo	CG	-0.6983
Gm03	42239006	42239033 Gmdrm	hypo	CG	-0.955
Gm03	42297812	42297940 Gmdrm	hypo	CG	-0.7825
Gm03	42303023	42303206 Gmdrm	hypo	CG	-0.5861
Gm03	42303832	42304088 Gmdrm	hypo	CG	-0.6286
Gm03	42308190	42308362 Gmdrm	hypo	CG	-0.86
Gm03	42308614	42308652 Gmdrm	hypo	CG	-0.7225
Gm03	42308778	42309055 Gmdrm	hypo	CG	-0.5815
Gm03	42320576	42320863 Gmdrm	hypo	CG	-0.1213
Gm03	42326356	42326605 Gmdrm	hypo	CG	-0.567
Gm03	42339013	42339076 Gmdrm	hypo	CG	-0.6383
Gm03	42366080	42366136 Gmdrm	hypo	CG	-0.4016
Gm03	42377632	42377808 Gmdrm	hypo	CG	-0.405
Gm03	42385611	42385722 Gmdrm	hypo	CG	-0.94
Gm03	42385834	42385930 Gmdrm	hypo	CG	-0.87
Gm03	42408308	42408391 Gmdrm	hypo	CG	-0.8375
Gm03	42430259	42430335 Gmdrm	hypo	CG	-0.779
Gm03	42437718	42437812 Gmdrm	hypo	CG	-0.765
Gm03	42439858	42440031 Gmdrm	hypo	CG	-0.5362
Gm03	42519160	42519259 Gmdrm	hypo	CG	-0.7063
Gm03	42528461	42528651 Gmdrm	hypo	CG	-0.5786
Gm03	42529683	42529766 Gmdrm	hypo	CG	-0.23
Gm03	42529968	42530110 Gmdrm	hypo	CG	-0.263
Gm03	42530288	42530363 Gmdrm	hypo	CG	-0.5667
Gm03	42541214	42541278 Gmdrm	hypo	CG	-0.95
Gm03	42578505	42578550 Gmdrm	hypo	CG	-0.2963
Gm03	42579212	42579531 Gmdrm	hypo	CG	-0.3628
Gm03	42597836	42597969 Gmdrm	hypo	CG	-0.8575
Gm03	42605003	42605167 Gmdrm	hypo	CG	-0.5683
Gm03	42638938	42639271 Gmdrm	hypo	CG	-0.5355
Gm03	42639394	42639595 Gmdrm	hypo	CG	-0.147
Gm03	42640184	42640511 Gmdrm	hypo	CG	-0.0636
Gm03	42640793	42641200 Gmdrm	hypo	CG	-0.1378
Gm03	42653283	42653502 Gmdrm	hypo	CG	-0.3305
Gm03	42653966	42654175 Gmdrm	hypo	CG	-0.4269
Gm03	42676434	42676566 Gmdrm	hypo	CG	-0.8945
Gm03	42677466	42677615 Gmdrm	hypo	CG	-0.8708
Gm03	42682179	42682786 Gmdrm	hypo	CG	-0.3023
Gm03	42682919	42683130 Gmdrm	hypo	CG	-0.1255
Gm03	42683335	42683510 Gmdrm	hypo	CG	-0.5592
Gm03	42713831	42713914 Gmdrm	hypo	CG	-0.042
Gm03	42724867	42724916 Gmdrm	hypo	CG	-0.605
Gm03	42739900	42739940 Gmdrm	hypo	CG	-0.6513
Gm03	42740072	42740527 Gmdrm	hypo	CG	-0.7682
Gm03	42741323	42741516 Gmdrm	hypo	CG	-0.63
Gm03	42759128	42759151 Gmdrm	hypo	CG	-0.53

Gm03	42761083	42761474	Gmdrm	hypo	CG	-0.2594
Gm03	42765721	42765942	Gmdrm	hypo	CG	-0.5547
Gm03	42777303	42777416	Gmdrm	hypo	CG	-0.038
Gm03	42793642	42794010	Gmdrm	hypo	CG	-0.6973
Gm03	42826641	42826847	Gmdrm	hypo	CG	-0.5026
Gm03	42827767	42828258	Gmdrm	hypo	CG	-0.2344
Gm03	42828788	42828994	Gmdrm	hypo	CG	-0.882
Gm03	42853498	42853552	Gmdrm	hypo	CG	-0.046
Gm03	42895124	42895159	Gmdrm	hypo	CG	-0.6186
Gm03	42904855	42904942	Gmdrm	hypo	CG	-0.1373
Gm03	42905046	42905088	Gmdrm	hypo	CG	-0.044
Gm03	42911642	42911715	Gmdrm	hypo	CG	-0.0716
Gm03	42926889	42927233	Gmdrm	hypo	CG	-0.2048
Gm03	42929993	42930136	Gmdrm	hypo	CG	-0.5266
Gm03	42930349	42931002	Gmdrm	hypo	CG	-0.1305
Gm03	42954896	42955242	Gmdrm	hypo	CG	-0.6467
Gm03	42955921	42956033	Gmdrm	hypo	CG	-0.2875
Gm03	42956149	42956420	Gmdrm	hypo	CG	-0.1188
Gm03	42957444	42957814	Gmdrm	hypo	CG	-0.1453
Gm03	42971745	42972167	Gmdrm	hypo	CG	-0.7465
Gm03	42978802	42978900	Gmdrm	hypo	CG	-0.405
Gm03	42979414	42979538	Gmdrm	hypo	CG	-0.2228
Gm03	42980184	42980482	Gmdrm	hypo	CG	-0.2939
Gm03	43053382	43053669	Gmdrm	hypo	CG	-0.59
Gm03	43054015	43054302	Gmdrm	hypo	CG	-0.3456
Gm03	43072792	43072908	Gmdrm	hypo	CG	-0.48
Gm03	43094629	43094853	Gmdrm	hypo	CG	-0.1139
Gm03	43095287	43095470	Gmdrm	hypo	CG	-0.72
Gm03	43097062	43097326	Gmdrm	hypo	CG	-0.0575
Gm03	43117146	43117442	Gmdrm	hypo	CG	-0.72
Gm03	43133797	43133857	Gmdrm	hypo	CG	-0.032
Gm03	43139899	43140220	Gmdrm	hypo	CG	-0.7677
Gm03	43171631	43171881	Gmdrm	hypo	CG	-0.86
Gm03	43172027	43172099	Gmdrm	hypo	CG	-0.8217
Gm03	43172250	43172426	Gmdrm	hypo	CG	-0.044
Gm03	43213760	43214142	Gmdrm	hypo	CG	-0.88
Gm03	43214598	43214769	Gmdrm	hypo	CG	-0.909
Gm03	43277711	43277809	Gmdrm	hypo	CG	-0.4
Gm03	43282909	43283074	Gmdrm	hypo	CG	-0.4788
Gm03	43315199	43315294	Gmdrm	hypo	CG	-0.905
Gm03	43327163	43327262	Gmdrm	hypo	CG	-0.3267
Gm03	43330819	43330984	Gmdrm	hypo	CG	-0.0537
Gm03	43382175	43382306	Gmdrm	hypo	CG	-0.2757
Gm03	43382482	43382708	Gmdrm	hypo	CG	-0.0766
Gm03	43382827	43382951	Gmdrm	hypo	CG	-0.5017
Gm03	43409296	43409334	Gmdrm	hypo	CG	-0.5484

Gm03	43419968	43420113	Gmdrm	hypo	CG	-0.565
Gm03	43424235	43424384	Gmdrm	hypo	CG	-0.046
Gm03	43475274	43475325	Gmdrm	hypo	CG	-0.9767
Gm03	43477451	43477607	Gmdrm	hypo	CG	-0.665
Gm03	43483050	43483433	Gmdrm	hypo	CG	-0.245
Gm03	43525729	43525927	Gmdrm	hypo	CG	-0.7038
Gm03	43549687	43549892	Gmdrm	hypo	CG	-0.0543
Gm03	43583992	43584179	Gmdrm	hypo	CG	-0.2315
Gm03	43613046	43613248	Gmdrm	hypo	CG	-0.0357
Gm03	43652266	43652475	Gmdrm	hypo	CG	-0.9586
Gm03	43665325	43665455	Gmdrm	hypo	CG	-0.9811
Gm03	43701096	43701376	Gmdrm	hypo	CG	-0.1416
Gm03	43701567	43701677	Gmdrm	hypo	CG	-0.7067
Gm03	43701924	43702153	Gmdrm	hypo	CG	-0.234
Gm03	43711752	43711818	Gmdrm	hypo	CG	-0.635
Gm03	43715176	43715256	Gmdrm	hypo	CG	-0.835
Gm03	43731381	43731393	Gmdrm	hypo	CG	-0.3817
Gm03	43736883	43736965	Gmdrm	hypo	CG	-0.4584
Gm03	43738982	43739198	Gmdrm	hypo	CG	-0.135
Gm03	43759121	43759326	Gmdrm	hypo	CG	-0.3638
Gm03	43771395	43771771	Gmdrm	hypo	CG	-0.5921
Gm03	43780271	43780508	Gmdrm	hypo	CG	-0.8879
Gm03	43794735	43795009	Gmdrm	hypo	CG	-0.3667
Gm03	43804773	43804864	Gmdrm	hypo	CG	-0.5884
Gm03	43805020	43805198	Gmdrm	hypo	CG	-0.0457
Gm03	43809285	43809804	Gmdrm	hypo	CG	-0.2733
Gm03	43823251	43823313	Gmdrm	hypo	CG	-0.3533
Gm03	43823614	43823750	Gmdrm	hypo	CG	-0.246
Gm03	43823974	43824005	Gmdrm	hypo	CG	-0.196
Gm03	43833358	43833464	Gmdrm	hypo	CG	-0.154
Gm03	43833932	43834026	Gmdrm	hypo	CG	-0.1459
Gm03	43834691	43834832	Gmdrm	hypo	CG	-0.2612
Gm03	43835159	43835454	Gmdrm	hypo	CG	-0.0489
Gm03	43856868	43857126	Gmdrm	hypo	CG	-0.738
Gm03	43872526	43872575	Gmdrm	hypo	CG	-0.0683
Gm03	43874292	43874611	Gmdrm	hypo	CG	-0.056
Gm03	43879015	43879195	Gmdrm	hypo	CG	-0.1688
Gm03	43892930	43893121	Gmdrm	hypo	CG	-0.598
Gm03	43904290	43904355	Gmdrm	hypo	CG	-0.4585
Gm03	43933043	43933245	Gmdrm	hypo	CG	-0.473
Gm03	43933404	43933430	Gmdrm	hypo	CG	-0.86
Gm03	43939188	43939435	Gmdrm	hypo	CG	-0.469
Gm03	43960854	43960988	Gmdrm	hypo	CG	-0.8284
Gm03	43971601	43971803	Gmdrm	hypo	CG	-0.032
Gm03	43995035	43995221	Gmdrm	hypo	CG	-0.8924
Gm03	43995430	43995535	Gmdrm	hypo	CG	-0.9733

Gm03	44006885	44006965 Gmdrm	hypo	CG	-0.046
Gm03	44020557	44020654 Gmdrm	hypo	CG	-0.755
Gm03	44020786	44020887 Gmdrm	hypo	CG	-0.7367
Gm03	44021796	44021942 Gmdrm	hypo	CG	-0.294
Gm03	44029848	44030000 Gmdrm	hypo	CG	-0.5725
Gm03	44045154	44045561 Gmdrm	hypo	CG	-0.2754
Gm03	44055008	44055084 Gmdrm	hypo	CG	-0.6067
Gm03	44059032	44059785 Gmdrm	hypo	CG	-0.0367
Gm03	44089022	44089309 Gmdrm	hypo	CG	-0.1578
Gm03	44104459	44104642 Gmdrm	hypo	CG	-0.033
Gm03	44105157	44105218 Gmdrm	hypo	CG	-0.024
Gm03	44132189	44132390 Gmdrm	hypo	CG	-0.1842
Gm03	44136156	44136351 Gmdrm	hypo	CG	-0.04
Gm03	44150856	44150952 Gmdrm	hypo	CG	-0.03
Gm03	44158530	44158869 Gmdrm	hypo	CG	-0.9032
Gm03	44208857	44209115 Gmdrm	hypo	CG	-0.5828
Gm03	44209809	44209847 Gmdrm	hypo	CG	-0.3333
Gm03	44210291	44210726 Gmdrm	hypo	CG	-0.2428
Gm03	44219203	44219229 Gmdrm	hypo	CG	-0.054
Gm03	44231524	44232021 Gmdrm	hypo	CG	-0.0672
Gm03	44233194	44233251 Gmdrm	hypo	CG	-0.638
Gm03	44250496	44250623 Gmdrm	hypo	CG	-0.718
Gm03	44263066	44263309 Gmdrm	hypo	CG	-0.2381
Gm03	44272610	44273202 Gmdrm	hypo	CG	-0.7468
Gm03	44290163	44290255 Gmdrm	hypo	CG	-0.41
Gm03	44290589	44290832 Gmdrm	hypo	CG	-0.8332
Gm03	44297994	44298086 Gmdrm	hypo	CG	-0.82
Gm03	44332204	44332533 Gmdrm	hypo	CG	-0.9475
Gm03	44334628	44334829 Gmdrm	hypo	CG	-0.523
Gm03	44348596	44348940 Gmdrm	hypo	CG	-0.4969
Gm03	44354524	44355200 Gmdrm	hypo	CG	-0.0341
Gm03	44357988	44358198 Gmdrm	hypo	CG	-0.3512
Gm03	44368346	44368579 Gmdrm	hypo	CG	-0.034
Gm03	44387359	44387479 Gmdrm	hypo	CG	-0.032
Gm03	44406034	44406244 Gmdrm	hypo	CG	-0.665
Gm03	44411376	44411545 Gmdrm	hypo	CG	-0.9622
Gm03	44439483	44439612 Gmdrm	hypo	CG	-0.055
Gm03	44467915	44468091 Gmdrm	hypo	CG	-0.085
Gm03	44491002	44491202 Gmdrm	hypo	CG	-0.5039
Gm03	44491948	44492191 Gmdrm	hypo	CG	-0.7597
Gm03	44492495	44492605 Gmdrm	hypo	CG	-0.6513
Gm03	44513048	44513094 Gmdrm	hypo	CG	-0.4367
Gm03	44513424	44513620 Gmdrm	hypo	CG	-0.5984
Gm03	44514296	44514372 Gmdrm	hypo	CG	-0.3783
Gm03	44515930	44516133 Gmdrm	hypo	CG	-0.6975
Gm03	44524951	44524991 Gmdrm	hypo	CG	-0.9783

Gm03	44525755	44525840	Gmdrm	hypo	CG	-0.8238
Gm03	44529118	44529340	Gmdrm	hypo	CG	-0.0429
Gm03	44569699	44570307	Gmdrm	hypo	CG	-0.2236
Gm03	44592912	44592967	Gmdrm	hypo	CG	-0.1734
Gm03	44593146	44593447	Gmdrm	hypo	CG	-0.2266
Gm03	44594405	44594813	Gmdrm	hypo	CG	-0.8143
Gm03	44662738	44663110	Gmdrm	hypo	CG	-0.5162
Gm03	44682977	44683103	Gmdrm	hypo	CG	-0.221
Gm03	44706728	44706913	Gmdrm	hypo	CG	-0.7214
Gm03	44737206	44737311	Gmdrm	hypo	CG	-0.0838
Gm03	44749014	44749211	Gmdrm	hypo	CG	-0.0457
Gm03	44770964	44771144	Gmdrm	hypo	CG	-0.052
Gm03	44772785	44773025	Gmdrm	hypo	CG	-0.3907
Gm03	44832751	44832877	Gmdrm	hypo	CG	-0.3776
Gm03	44839014	44839061	Gmdrm	hypo	CG	-0.544
Gm03	44845155	44845200	Gmdrm	hypo	CG	-0.325
Gm03	44846961	44847180	Gmdrm	hypo	CG	-0.0367
Gm03	44848327	44848484	Gmdrm	hypo	CG	-0.515
Gm03	44892728	44893003	Gmdrm	hypo	CG	-0.517
Gm03	44899615	44899935	Gmdrm	hypo	CG	-0.9586
Gm03	44913569	44913824	Gmdrm	hypo	CG	-0.065
Gm03	44937389	44937460	Gmdrm	hypo	CG	-0.7567
Gm03	44969781	44969856	Gmdrm	hypo	CG	-0.7938
Gm03	44988831	44988921	Gmdrm	hypo	CG	-0.935
Gm03	45001094	45001178	Gmdrm	hypo	CG	-0.078
Gm03	45049250	45049886	Gmdrm	hypo	CG	-0.0953
Gm03	45051185	45051456	Gmdrm	hypo	CG	-0.5504
Gm03	45072810	45073035	Gmdrm	hypo	CG	-0.625
Gm03	45082663	45083015	Gmdrm	hypo	CG	-0.0456
Gm03	45120575	45120764	Gmdrm	hypo	CG	-0.8475
Gm03	45121150	45121310	Gmdrm	hypo	CG	-0.066
Gm03	45198818	45198863	Gmdrm	hypo	CG	-0.7451
Gm03	45200126	45200148	Gmdrm	hypo	CG	-0.882
Gm03	45214575	45214746	Gmdrm	hypo	CG	-0.2475
Gm03	45217718	45218008	Gmdrm	hypo	CG	-0.17
Gm03	45233659	45233790	Gmdrm	hypo	CG	-0.856
Gm03	45233937	45234061	Gmdrm	hypo	CG	-0.91
Gm03	45305146	45305414	Gmdrm	hypo	CG	-0.5953
Gm03	45330153	45330678	Gmdrm	hypo	CG	-0.4042
Gm03	45332114	45332224	Gmdrm	hypo	CG	-0.4183
Gm03	45333838	45334100	Gmdrm	hypo	CG	-0.5975
Gm03	45356457	45356716	Gmdrm	hypo	CG	-0.6827
Gm03	45384855	45385046	Gmdrm	hypo	CG	-0.315
Gm03	45385674	45385743	Gmdrm	hypo	CG	-0.3883
Gm03	45386969	45387093	Gmdrm	hypo	CG	-0.046
Gm03	45403929	45404473	Gmdrm	hypo	CG	-0.7119

Gm03	45404615	45404774	Gmdrm	hypo	CG	-0.9413
Gm03	45427482	45427585	Gmdrm	hypo	CG	-0.61
Gm03	45447813	45448127	Gmdrm	hypo	CG	-0.766
Gm03	45470536	45470752	Gmdrm	hypo	CG	-0.8667
Gm03	45508248	45508624	Gmdrm	hypo	CG	-0.0395
Gm03	45508802	45508891	Gmdrm	hypo	CG	-0.348
Gm03	45562207	45562234	Gmdrm	hypo	CG	-0.5966
Gm03	45562590	45562705	Gmdrm	hypo	CG	-0.383
Gm03	45588407	45588460	Gmdrm	hypo	CG	-0.0733
Gm03	45613671	45613880	Gmdrm	hypo	CG	-0.7935
Gm03	45614005	45614139	Gmdrm	hypo	CG	-0.3333
Gm03	45652037	45652074	Gmdrm	hypo	CG	-0.665
Gm03	45676402	45676551	Gmdrm	hypo	CG	-0.7559
Gm03	45720479	45720613	Gmdrm	hypo	CG	-0.3446
Gm03	45731629	45731696	Gmdrm	hypo	CG	-0.4375
Gm03	45758648	45758765	Gmdrm	hypo	CG	-0.93
Gm03	45795969	45796080	Gmdrm	hypo	CG	-0.554
Gm03	45822668	45823258	Gmdrm	hypo	CG	-0.1295
Gm03	45842994	45843286	Gmdrm	hypo	CG	-0.2812
Gm03	45843775	45844053	Gmdrm	hypo	CG	-0.043
Gm03	45879071	45879271	Gmdrm	hypo	CG	-0.346
Gm03	45879848	45879945	Gmdrm	hypo	CG	-0.138
Gm03	45913496	45913819	Gmdrm	hypo	CG	-0.7871
Gm03	45983189	45983433	Gmdrm	hypo	CG	-0.765
Gm03	45983952	45984063	Gmdrm	hypo	CG	-0.5516
Gm03	45988434	45988566	Gmdrm	hypo	CG	-0.9212
Gm03	45989643	45989726	Gmdrm	hypo	CG	-0.77
Gm03	45998636	45998738	Gmdrm	hypo	CG	-0.6156
Gm03	46001380	46001540	Gmdrm	hypo	CG	-0.6608
Gm03	46006749	46006916	Gmdrm	hypo	CG	-0.7933
Gm03	46010667	46011174	Gmdrm	hypo	CG	-0.16
Gm03	46012316	46012451	Gmdrm	hypo	CG	-0.8664
Gm03	46056067	46056281	Gmdrm	hypo	CG	-0.2385
Gm03	46056485	46056527	Gmdrm	hypo	CG	-0.4283
Gm03	46057202	46057492	Gmdrm	hypo	CG	-0.3067
Gm03	46123797	46123893	Gmdrm	hypo	CG	-0.942
Gm03	46149589	46149661	Gmdrm	hypo	CG	-0.928
Gm03	46150255	46150337	Gmdrm	hypo	CG	-0.9
Gm03	46154635	46154759	Gmdrm	hypo	CG	-0.174
Gm03	46173224	46173372	Gmdrm	hypo	CG	-0.4075
Gm03	46180253	46180401	Gmdrm	hypo	CG	-0.045
Gm03	46183169	46183212	Gmdrm	hypo	CG	-0.2143
Gm03	46194776	46194959	Gmdrm	hypo	CG	-0.8612
Gm03	46195235	46195570	Gmdrm	hypo	CG	-0.7627
Gm03	46217663	46217830	Gmdrm	hypo	CG	-0.279
Gm03	46224262	46224419	Gmdrm	hypo	CG	-0.825

Gm03	46255201	46255352	Gmdrm	hypo	CG	-0.9267
Gm03	46276766	46276859	Gmdrm	hypo	CG	-0.4
Gm03	46278838	46279149	Gmdrm	hypo	CG	-0.1018
Gm03	46300739	46300910	Gmdrm	hypo	CG	-0.1394
Gm03	46306309	46306974	Gmdrm	hypo	CG	-0.762
Gm03	46309552	46309715	Gmdrm	hypo	CG	-0.1
Gm03	46348561	46348634	Gmdrm	hypo	CG	-0.395
Gm03	46399755	46400086	Gmdrm	hypo	CG	-0.641
Gm03	46411320	46411563	Gmdrm	hypo	CG	-0.693
Gm03	46411797	46411841	Gmdrm	hypo	CG	-0.7562
Gm03	46420872	46421071	Gmdrm	hypo	CG	-0.1642
Gm03	46439513	46439588	Gmdrm	hypo	CG	-0.645
Gm03	46443077	46443089	Gmdrm	hypo	CG	-0.066
Gm03	46469779	46469998	Gmdrm	hypo	CG	-0.27
Gm03	46470153	46470690	Gmdrm	hypo	CG	-0.1839
Gm03	46479624	46479641	Gmdrm	hypo	CG	-0.1266
Gm03	46501626	46501648	Gmdrm	hypo	CG	-0.628
Gm03	46532982	46533101	Gmdrm	hypo	CG	-0.7523
Gm03	46533239	46533513	Gmdrm	hypo	CG	-0.1917
Gm03	46533666	46533971	Gmdrm	hypo	CG	-0.2129
Gm03	46551221	46551387	Gmdrm	hypo	CG	-0.242
Gm03	46551756	46551999	Gmdrm	hypo	CG	-0.3325
Gm03	46621882	46621985	Gmdrm	hypo	CG	-0.7533
Gm03	46622318	46622466	Gmdrm	hypo	CG	-0.5324
Gm03	46641447	46641586	Gmdrm	hypo	CG	-0.2756
Gm03	46649526	46649697	Gmdrm	hypo	CG	-0.09
Gm03	46670712	46670941	Gmdrm	hypo	CG	-0.9537
Gm03	46674760	46675000	Gmdrm	hypo	CG	-0.056
Gm03	46706180	46706360	Gmdrm	hypo	CG	-0.4158
Gm03	46751632	46751682	Gmdrm	hypo	CG	-0.5684
Gm03	46760756	46760896	Gmdrm	hypo	CG	-0.9367
Gm03	46761287	46761314	Gmdrm	hypo	CG	-0.8125
Gm03	46762573	46762668	Gmdrm	hypo	CG	-0.9359
Gm03	46787761	46788106	Gmdrm	hypo	CG	-0.055
Gm03	46799245	46799407	Gmdrm	hypo	CG	-0.056
Gm03	46820620	46820777	Gmdrm	hypo	CG	-0.7812
Gm03	46821001	46821056	Gmdrm	hypo	CG	-0.6483
Gm03	46821744	46821848	Gmdrm	hypo	CG	-0.79
Gm03	46850400	46850618	Gmdrm	hypo	CG	-0.242
Gm03	46870277	46870417	Gmdrm	hypo	CG	-0.7521
Gm03	46871722	46871909	Gmdrm	hypo	CG	-0.3555
Gm03	46872048	46872098	Gmdrm	hypo	CG	-0.3988
Gm03	46881390	46881532	Gmdrm	hypo	CG	-0.713
Gm03	46911353	46911519	Gmdrm	hypo	CG	-0.5783
Gm03	46932145	46932394	Gmdrm	hypo	CG	-0.3494
Gm03_scaffo	980	1118	Gmdrm	hypo	CG	-0.401

Gm03_scaffo	1583	1615 Gmdrm	hypo	CG	-0.2613
Gm03_scaffo	11407	11590 Gmdrm	hypo	CG	-0.8324
Gm03_scaffo	14784	14926 Gmdrm	hypo	CG	-0.784
Gm03_scaffo	16620	17192 Gmdrm	hypo	CG	-0.3176
Gm03_scaffo	22758	23078 Gmdrm	hypo	CG	-0.6914
Gm03_scaffo	10983	11123 Gmdrm	hypo	CG	-0.036
Gm03_scaffo	12912	13660 Gmdrm	hypo	CG	-0.1496
Gm03_scaffo	17580	17792 Gmdrm	hypo	CG	-0.3725
Gm03_scaffo	1227	1439 Gmdrm	hypo	CG	-0.9622
Gm03_scaffo	2992	3091 Gmdrm	hypo	CG	-0.65
Gm03_scaffo	3733	3809 Gmdrm	hypo	CG	-0.0516
Gm03_scaffo	29424	29567 Gmdrm	hypo	CG	-0.0725
Gm03_scaffo	52181	52449 Gmdrm	hypo	CG	-0.7288
Gm03_scaffo	78954	79163 Gmdrm	hypo	CG	-0.0876
Gm03_scaffo	158574	159068 Gmdrm	hypo	CG	-0.1254
Gm03_scaffo	172980	173106 Gmdrm	hypo	CG	-0.14
Gm04	6686	7136 Gmdrm	hypo	CG	-0.5706
Gm04	12171	12249 Gmdrm	hypo	CG	-0.6667
Gm04	18373	18407 Gmdrm	hypo	CG	-0.4363
Gm04	84746	84809 Gmdrm	hypo	CG	-0.5434
Gm04	85208	85415 Gmdrm	hypo	CG	-0.9291
Gm04	92576	92723 Gmdrm	hypo	CG	-0.8042
Gm04	116141	116243 Gmdrm	hypo	CG	-0.7983
Gm04	117187	117345 Gmdrm	hypo	CG	-0.9014
Gm04	118930	119074 Gmdrm	hypo	CG	-0.948
Gm04	119214	119509 Gmdrm	hypo	CG	-0.5953
Gm04	129430	129791 Gmdrm	hypo	CG	-0.5518
Gm04	135287	135343 Gmdrm	hypo	CG	-0.045
Gm04	141061	141154 Gmdrm	hypo	CG	-0.6417
Gm04	220929	220953 Gmdrm	hypo	CG	-0.0483
Gm04	225030	225078 Gmdrm	hypo	CG	-0.205
Gm04	268588	268708 Gmdrm	hypo	CG	-0.634
Gm04	269296	269346 Gmdrm	hypo	CG	-0.761
Gm04	279785	280280 Gmdrm	hypo	CG	-0.8913
Gm04	281553	281617 Gmdrm	hypo	CG	-0.979
Gm04	322849	322912 Gmdrm	hypo	CG	-0.93
Gm04	323233	323341 Gmdrm	hypo	CG	-0.782
Gm04	337262	337543 Gmdrm	hypo	CG	-0.1264
Gm04	344111	344288 Gmdrm	hypo	CG	-0.67
Gm04	354366	354460 Gmdrm	hypo	CG	-0.862
Gm04	390227	390704 Gmdrm	hypo	CG	-0.3933
Gm04	392014	392173 Gmdrm	hypo	CG	-0.0414
Gm04	392486	392563 Gmdrm	hypo	CG	-0.6567
Gm04	398313	398358 Gmdrm	hypo	CG	-0.9467
Gm04	419890	420018 Gmdrm	hypo	CG	-0.6378
Gm04	420899	421173 Gmdrm	hypo	CG	-0.2411

Gm04	431942	432140	Gmdrm	hypo	CG	-0.8294
Gm04	450392	450598	Gmdrm	hypo	CG	-0.784
Gm04	458371	458543	Gmdrm	hypo	CG	-0.6789
Gm04	458648	458689	Gmdrm	hypo	CG	-0.2367
Gm04	459610	459772	Gmdrm	hypo	CG	-0.3185
Gm04	501353	501454	Gmdrm	hypo	CG	-0.7775
Gm04	523288	523442	Gmdrm	hypo	CG	-0.0884
Gm04	552071	552881	Gmdrm	hypo	CG	-0.1756
Gm04	557615	557855	Gmdrm	hypo	CG	-0.046
Gm04	562678	562767	Gmdrm	hypo	CG	-0.955
Gm04	568534	568675	Gmdrm	hypo	CG	-0.8517
Gm04	576464	576757	Gmdrm	hypo	CG	-0.8521
Gm04	619328	619521	Gmdrm	hypo	CG	-0.1133
Gm04	624226	624570	Gmdrm	hypo	CG	-0.92
Gm04	662835	663076	Gmdrm	hypo	CG	-0.4623
Gm04	665801	666045	Gmdrm	hypo	CG	-0.8774
Gm04	675596	675938	Gmdrm	hypo	CG	-0.1032
Gm04	679710	679978	Gmdrm	hypo	CG	-0.1556
Gm04	680493	680632	Gmdrm	hypo	CG	-0.1138
Gm04	682136	682312	Gmdrm	hypo	CG	-0.7057
Gm04	682964	683144	Gmdrm	hypo	CG	-0.0457
Gm04	690433	690673	Gmdrm	hypo	CG	-0.73
Gm04	692580	692666	Gmdrm	hypo	CG	-0.8625
Gm04	696191	696293	Gmdrm	hypo	CG	-0.5538
Gm04	710119	710447	Gmdrm	hypo	CG	-0.8275
Gm04	714569	714751	Gmdrm	hypo	CG	-0.06
Gm04	715143	715290	Gmdrm	hypo	CG	-0.81
Gm04	715496	715612	Gmdrm	hypo	CG	-0.8033
Gm04	715771	715913	Gmdrm	hypo	CG	-0.835
Gm04	752930	753200	Gmdrm	hypo	CG	-0.472
Gm04	756916	757261	Gmdrm	hypo	CG	-0.4183
Gm04	762663	762776	Gmdrm	hypo	CG	-0.9701
Gm04	771138	771553	Gmdrm	hypo	CG	-0.6975
Gm04	786015	786372	Gmdrm	hypo	CG	-0.7833
Gm04	787363	787741	Gmdrm	hypo	CG	-0.6473
Gm04	809251	809382	Gmdrm	hypo	CG	-0.6275
Gm04	809763	809891	Gmdrm	hypo	CG	-0.7187
Gm04	810009	810049	Gmdrm	hypo	CG	-0.4167
Gm04	819234	819424	Gmdrm	hypo	CG	-0.262
Gm04	820490	820662	Gmdrm	hypo	CG	-0.4575
Gm04	824250	824489	Gmdrm	hypo	CG	-0.076
Gm04	843893	844147	Gmdrm	hypo	CG	-0.1377
Gm04	871313	871417	Gmdrm	hypo	CG	-0.5266
Gm04	937195	937356	Gmdrm	hypo	CG	-0.456
Gm04	938691	938773	Gmdrm	hypo	CG	-0.2836
Gm04	955619	955753	Gmdrm	hypo	CG	-0.94

Gm04	984418	984499	Gmdrm	hypo	CG	-0.1387
Gm04	984756	984799	Gmdrm	hypo	CG	-0.3375
Gm04	1037349	1037494	Gmdrm	hypo	CG	-0.6467
Gm04	1043508	1043706	Gmdrm	hypo	CG	-0.2193
Gm04	1068560	1068641	Gmdrm	hypo	CG	-0.856
Gm04	1068832	1069121	Gmdrm	hypo	CG	-0.5642
Gm04	1092099	1092367	Gmdrm	hypo	CG	-0.7825
Gm04	1099909	1100031	Gmdrm	hypo	CG	-0.0937
Gm04	1100374	1100551	Gmdrm	hypo	CG	-0.66
Gm04	1107473	1107763	Gmdrm	hypo	CG	-0.7284
Gm04	1108912	1109141	Gmdrm	hypo	CG	-0.4547
Gm04	1168578	1168654	Gmdrm	hypo	CG	-0.75
Gm04	1191411	1191621	Gmdrm	hypo	CG	-0.0433
Gm04	1218072	1218212	Gmdrm	hypo	CG	-0.66
Gm04	1249886	1250122	Gmdrm	hypo	CG	-0.7808
Gm04	1274190	1274432	Gmdrm	hypo	CG	-0.5864
Gm04	1274674	1275044	Gmdrm	hypo	CG	-0.1974
Gm04	1283371	1283520	Gmdrm	hypo	CG	-0.755
Gm04	1283772	1283907	Gmdrm	hypo	CG	-0.905
Gm04	1301962	1302066	Gmdrm	hypo	CG	-0.9225
Gm04	1313295	1313327	Gmdrm	hypo	CG	-0.714
Gm04	1358844	1358984	Gmdrm	hypo	CG	-0.8185
Gm04	1372806	1372869	Gmdrm	hypo	CG	-0.4314
Gm04	1391030	1391114	Gmdrm	hypo	CG	-0.9162
Gm04	1401897	1402013	Gmdrm	hypo	CG	-0.55
Gm04	1449396	1449619	Gmdrm	hypo	CG	-0.466
Gm04	1454260	1454352	Gmdrm	hypo	CG	-0.7884
Gm04	1459232	1459407	Gmdrm	hypo	CG	-0.6977
Gm04	1465974	1466381	Gmdrm	hypo	CG	-0.5608
Gm04	1472025	1472148	Gmdrm	hypo	CG	-0.9316
Gm04	1482898	1483024	Gmdrm	hypo	CG	-0.815
Gm04	1505277	1505397	Gmdrm	hypo	CG	-0.8972
Gm04	1505652	1506001	Gmdrm	hypo	CG	-0.6466
Gm04	1507905	1507961	Gmdrm	hypo	CG	-0.7413
Gm04	1508162	1508331	Gmdrm	hypo	CG	-0.827
Gm04	1509526	1509535	Gmdrm	hypo	CG	-0.3567
Gm04	1545093	1545190	Gmdrm	hypo	CG	-0.8684
Gm04	1545429	1545497	Gmdrm	hypo	CG	-0.8025
Gm04	1545998	1546097	Gmdrm	hypo	CG	-0.805
Gm04	1553828	1553955	Gmdrm	hypo	CG	-0.0417
Gm04	1556755	1556911	Gmdrm	hypo	CG	-0.4
Gm04	1557179	1557243	Gmdrm	hypo	CG	-0.8937
Gm04	1559935	1560242	Gmdrm	hypo	CG	-0.9025
Gm04	1564217	1564516	Gmdrm	hypo	CG	-0.3342
Gm04	1573475	1573559	Gmdrm	hypo	CG	-0.4038
Gm04	1679189	1679276	Gmdrm	hypo	CG	-0.66

Gm04	1679720	1680083	Gmdrm	hypo	CG	-0.6062
Gm04	1702754	1703116	Gmdrm	hypo	CG	-0.8729
Gm04	1704451	1704536	Gmdrm	hypo	CG	-0.4007
Gm04	1744648	1744869	Gmdrm	hypo	CG	-0.2133
Gm04	1772724	1772781	Gmdrm	hypo	CG	-0.8983
Gm04	1805048	1805222	Gmdrm	hypo	CG	-0.589
Gm04	1806836	1806926	Gmdrm	hypo	CG	-0.6633
Gm04	1808557	1808764	Gmdrm	hypo	CG	-0.9055
Gm04	1813243	1813436	Gmdrm	hypo	CG	-0.6518
Gm04	1816744	1816891	Gmdrm	hypo	CG	-0.6025
Gm04	1827532	1827886	Gmdrm	hypo	CG	-0.9512
Gm04	1841770	1841853	Gmdrm	hypo	CG	-0.5517
Gm04	1842097	1842247	Gmdrm	hypo	CG	-0.8008
Gm04	1849106	1849229	Gmdrm	hypo	CG	-0.805
Gm04	1849344	1849419	Gmdrm	hypo	CG	-0.9825
Gm04	1872444	1872487	Gmdrm	hypo	CG	-0.9088
Gm04	1876803	1877078	Gmdrm	hypo	CG	-0.7328
Gm04	1877278	1877413	Gmdrm	hypo	CG	-0.0611
Gm04	1905428	1905572	Gmdrm	hypo	CG	-0.8443
Gm04	1905778	1906020	Gmdrm	hypo	CG	-0.6188
Gm04	1914129	1914184	Gmdrm	hypo	CG	-0.94
Gm04	1923466	1923835	Gmdrm	hypo	CG	-0.5041
Gm04	1924595	1924824	Gmdrm	hypo	CG	-0.8314
Gm04	1968284	1968939	Gmdrm	hypo	CG	-0.3257
Gm04	1975527	1975721	Gmdrm	hypo	CG	-0.9235
Gm04	1975986	1976055	Gmdrm	hypo	CG	-0.8266
Gm04	2025818	2026096	Gmdrm	hypo	CG	-0.0519
Gm04	2054031	2054104	Gmdrm	hypo	CG	-0.62
Gm04	2067858	2068007	Gmdrm	hypo	CG	-0.7533
Gm04	2068934	2069033	Gmdrm	hypo	CG	-0.6566
Gm04	2109184	2109467	Gmdrm	hypo	CG	-0.9281
Gm04	2123524	2123569	Gmdrm	hypo	CG	-0.6162
Gm04	2131518	2131641	Gmdrm	hypo	CG	-0.8263
Gm04	2131779	2131913	Gmdrm	hypo	CG	-0.5872
Gm04	2132399	2132568	Gmdrm	hypo	CG	-0.069
Gm04	2145078	2145126	Gmdrm	hypo	CG	-0.6467
Gm04	2173506	2173537	Gmdrm	hypo	CG	-0.7033
Gm04	2187691	2187800	Gmdrm	hypo	CG	-0.621
Gm04	2188060	2188253	Gmdrm	hypo	CG	-0.2935
Gm04	2198223	2198495	Gmdrm	hypo	CG	-0.6029
Gm04	2199009	2199196	Gmdrm	hypo	CG	-0.2064
Gm04	2199411	2199731	Gmdrm	hypo	CG	-0.5463
Gm04	2213929	2214050	Gmdrm	hypo	CG	-0.9212
Gm04	2214605	2214664	Gmdrm	hypo	CG	-0.6283
Gm04	2215420	2215459	Gmdrm	hypo	CG	-0.6867
Gm04	2226456	2226615	Gmdrm	hypo	CG	-0.6189

Gm04	2226735	2226780 Gmdrm	hypo	CG	-0.8567
Gm04	2226970	2227135 Gmdrm	hypo	CG	-0.818
Gm04	2227305	2227483 Gmdrm	hypo	CG	-0.3937
Gm04	2231148	2231238 Gmdrm	hypo	CG	-0.045
Gm04	2258600	2258740 Gmdrm	hypo	CG	-0.4937
Gm04	2259137	2259412 Gmdrm	hypo	CG	-0.5889
Gm04	2354494	2354759 Gmdrm	hypo	CG	-0.0487
Gm04	2376058	2376083 Gmdrm	hypo	CG	-0.3866
Gm04	2376345	2376451 Gmdrm	hypo	CG	-0.8366
Gm04	2416924	2417180 Gmdrm	hypo	CG	-0.064
Gm04	2424107	2424198 Gmdrm	hypo	CG	-0.54
Gm04	2436314	2436422 Gmdrm	hypo	CG	-0.9713
Gm04	2453709	2453793 Gmdrm	hypo	CG	-0.2316
Gm04	2481697	2481754 Gmdrm	hypo	CG	-0.5183
Gm04	2494475	2494604 Gmdrm	hypo	CG	-0.141
Gm04	2516994	2517187 Gmdrm	hypo	CG	-0.4734
Gm04	2518941	2519063 Gmdrm	hypo	CG	-0.696
Gm04	2524537	2524603 Gmdrm	hypo	CG	-0.5417
Gm04	2528654	2528714 Gmdrm	hypo	CG	-0.5784
Gm04	2554323	2554528 Gmdrm	hypo	CG	-0.0483
Gm04	2600216	2600282 Gmdrm	hypo	CG	-0.665
Gm04	2600838	2601008 Gmdrm	hypo	CG	-0.046
Gm04	2607006	2607078 Gmdrm	hypo	CG	-0.775
Gm04	2607293	2607348 Gmdrm	hypo	CG	-0.9066
Gm04	2630078	2630649 Gmdrm	hypo	CG	-0.409
Gm04	2639729	2639888 Gmdrm	hypo	CG	-0.8175
Gm04	2640683	2640934 Gmdrm	hypo	CG	-0.6828
Gm04	2641771	2642118 Gmdrm	hypo	CG	-0.9512
Gm04	2647255	2647474 Gmdrm	hypo	CG	-0.15
Gm04	2657418	2657826 Gmdrm	hypo	CG	-0.3889
Gm04	2676422	2676511 Gmdrm	hypo	CG	-0.872
Gm04	2694493	2695111 Gmdrm	hypo	CG	-0.7204
Gm04	2697911	2698043 Gmdrm	hypo	CG	-0.0333
Gm04	2731520	2731763 Gmdrm	hypo	CG	-0.8625
Gm04	2732549	2732878 Gmdrm	hypo	CG	-0.0317
Gm04	2737831	2738068 Gmdrm	hypo	CG	-0.0584
Gm04	2772328	2772407 Gmdrm	hypo	CG	-0.095
Gm04	2790429	2790887 Gmdrm	hypo	CG	-0.0615
Gm04	2797634	2798028 Gmdrm	hypo	CG	-0.2192
Gm04	2798158	2798281 Gmdrm	hypo	CG	-0.594
Gm04	2804366	2804441 Gmdrm	hypo	CG	-0.8583
Gm04	2834556	2834785 Gmdrm	hypo	CG	-0.8343
Gm04	2847901	2848143 Gmdrm	hypo	CG	-0.7823
Gm04	2848391	2848611 Gmdrm	hypo	CG	-0.3261
Gm04	2917054	2917114 Gmdrm	hypo	CG	-0.905
Gm04	2921076	2921161 Gmdrm	hypo	CG	-0.757

Gm04	2934760	2934883	Gmdrm	hypo	CG	-0.6217
Gm04	2959832	2959916	Gmdrm	hypo	CG	-0.9566
Gm04	2960605	2960670	Gmdrm	hypo	CG	-0.9674
Gm04	2960810	2960913	Gmdrm	hypo	CG	-0.897
Gm04	2973674	2973819	Gmdrm	hypo	CG	-0.919
Gm04	2974800	2975139	Gmdrm	hypo	CG	-0.5615
Gm04	2993236	2993479	Gmdrm	hypo	CG	-0.6705
Gm04	3035035	3035073	Gmdrm	hypo	CG	-0.3617
Gm04	3051029	3051130	Gmdrm	hypo	CG	-0.786
Gm04	3051692	3051941	Gmdrm	hypo	CG	-0.1617
Gm04	3052491	3052915	Gmdrm	hypo	CG	-0.0371
Gm04	3054469	3054532	Gmdrm	hypo	CG	-0.056
Gm04	3071894	3072003	Gmdrm	hypo	CG	-0.84
Gm04	3085362	3085534	Gmdrm	hypo	CG	-0.186
Gm04	3093707	3093816	Gmdrm	hypo	CG	-0.052
Gm04	3115268	3115462	Gmdrm	hypo	CG	-0.2555
Gm04	3119819	3119898	Gmdrm	hypo	CG	-0.1983
Gm04	3164830	3164866	Gmdrm	hypo	CG	-0.9717
Gm04	3170519	3170956	Gmdrm	hypo	CG	-0.3262
Gm04	3171681	3171852	Gmdrm	hypo	CG	-0.5225
Gm04	3182934	3183422	Gmdrm	hypo	CG	-0.3371
Gm04	3183812	3183863	Gmdrm	hypo	CG	-0.097
Gm04	3185215	3185444	Gmdrm	hypo	CG	-0.3958
Gm04	3214425	3214530	Gmdrm	hypo	CG	-0.6534
Gm04	3231993	3232164	Gmdrm	hypo	CG	-0.97
Gm04	3330088	3330219	Gmdrm	hypo	CG	-0.6283
Gm04	3360335	3360978	Gmdrm	hypo	CG	-0.096
Gm04	3364826	3365225	Gmdrm	hypo	CG	-0.3152
Gm04	3365408	3365593	Gmdrm	hypo	CG	-0.3521
Gm04	3376821	3377156	Gmdrm	hypo	CG	-0.6008
Gm04	3391084	3391271	Gmdrm	hypo	CG	-0.4667
Gm04	3401940	3402061	Gmdrm	hypo	CG	-0.798
Gm04	3403056	3403157	Gmdrm	hypo	CG	-0.8933
Gm04	3408730	3408974	Gmdrm	hypo	CG	-0.0533
Gm04	3417991	3418057	Gmdrm	hypo	CG	-0.0428
Gm04	3423963	3424369	Gmdrm	hypo	CG	-0.0579
Gm04	3444871	3444905	Gmdrm	hypo	CG	-0.6467
Gm04	3473580	3473916	Gmdrm	hypo	CG	-0.3472
Gm04	3496561	3496854	Gmdrm	hypo	CG	-0.4146
Gm04	3500696	3500835	Gmdrm	hypo	CG	-0.559
Gm04	3501404	3501471	Gmdrm	hypo	CG	-0.46
Gm04	3548792	3549074	Gmdrm	hypo	CG	-0.763
Gm04	3574098	3574307	Gmdrm	hypo	CG	-0.9736
Gm04	3575809	3576074	Gmdrm	hypo	CG	-0.4613
Gm04	3616070	3616349	Gmdrm	hypo	CG	-0.044
Gm04	3631600	3631642	Gmdrm	hypo	CG	-0.698

Gm04	3631928	3632136	Gmdrm	hypo	CG	-0.5394
Gm04	3633601	3633704	Gmdrm	hypo	CG	-0.8537
Gm04	3649629	3649684	Gmdrm	hypo	CG	-0.9316
Gm04	3651473	3651597	Gmdrm	hypo	CG	-0.0661
Gm04	3668677	3668920	Gmdrm	hypo	CG	-0.5471
Gm04	3669454	3669718	Gmdrm	hypo	CG	-0.7509
Gm04	3734002	3734255	Gmdrm	hypo	CG	-0.696
Gm04	3751257	3751367	Gmdrm	hypo	CG	-0.463
Gm04	3756922	3757032	Gmdrm	hypo	CG	-0.7069
Gm04	3837812	3838168	Gmdrm	hypo	CG	-0.7961
Gm04	3838443	3838481	Gmdrm	hypo	CG	-0.444
Gm04	3848362	3848726	Gmdrm	hypo	CG	-0.8992
Gm04	3849654	3849824	Gmdrm	hypo	CG	-0.2986
Gm04	3849994	3850304	Gmdrm	hypo	CG	-0.3853
Gm04	3850415	3850856	Gmdrm	hypo	CG	-0.7739
Gm04	3872444	3872659	Gmdrm	hypo	CG	-0.5687
Gm04	3873744	3873766	Gmdrm	hypo	CG	-0.92
Gm04	3909417	3909511	Gmdrm	hypo	CG	-0.483
Gm04	3921179	3921281	Gmdrm	hypo	CG	-0.3237
Gm04	3934119	3934247	Gmdrm	hypo	CG	-0.045
Gm04	3937654	3937912	Gmdrm	hypo	CG	-0.0691
Gm04	3947044	3947226	Gmdrm	hypo	CG	-0.038
Gm04	3948630	3948767	Gmdrm	hypo	CG	-0.036
Gm04	3961709	3961960	Gmdrm	hypo	CG	-0.0299
Gm04	3965599	3965815	Gmdrm	hypo	CG	-0.8809
Gm04	3970091	3970200	Gmdrm	hypo	CG	-0.8223
Gm04	4001006	4001339	Gmdrm	hypo	CG	-0.3364
Gm04	4011379	4011491	Gmdrm	hypo	CG	-0.9187
Gm04	4011641	4011900	Gmdrm	hypo	CG	-0.6969
Gm04	4015428	4015600	Gmdrm	hypo	CG	-0.118
Gm04	4037896	4037973	Gmdrm	hypo	CG	-0.9717
Gm04	4043954	4044014	Gmdrm	hypo	CG	-0.27
Gm04	4060150	4060284	Gmdrm	hypo	CG	-0.8137
Gm04	4070446	4070725	Gmdrm	hypo	CG	-0.7493
Gm04	4092823	4093239	Gmdrm	hypo	CG	-0.1666
Gm04	4098255	4098397	Gmdrm	hypo	CG	-0.501
Gm04	4109751	4110292	Gmdrm	hypo	CG	-0.4195
Gm04	4116627	4116866	Gmdrm	hypo	CG	-0.2893
Gm04	4125751	4125910	Gmdrm	hypo	CG	-0.0415
Gm04	4129990	4130248	Gmdrm	hypo	CG	-0.028
Gm04	4155202	4155285	Gmdrm	hypo	CG	-0.4929
Gm04	4177069	4177201	Gmdrm	hypo	CG	-0.6075
Gm04	4179257	4179391	Gmdrm	hypo	CG	-0.309
Gm04	4179665	4179814	Gmdrm	hypo	CG	-0.193
Gm04	4183673	4184145	Gmdrm	hypo	CG	-0.1855
Gm04	4218822	4218953	Gmdrm	hypo	CG	-0.8566

Gm04	4233878	4234261 Gmdrm	hypo	CG	-0.8383
Gm04	4248465	4248688 Gmdrm	hypo	CG	-0.3628
Gm04	4283029	4283131 Gmdrm	hypo	CG	-0.584
Gm04	4284198	4284415 Gmdrm	hypo	CG	-0.94
Gm04	4290801	4290873 Gmdrm	hypo	CG	-0.4012
Gm04	4295176	4295307 Gmdrm	hypo	CG	-0.8985
Gm04	4360762	4361215 Gmdrm	hypo	CG	-0.4677
Gm04	4383560	4383626 Gmdrm	hypo	CG	-0.9437
Gm04	4384706	4384851 Gmdrm	hypo	CG	-0.891
Gm04	4387093	4387220 Gmdrm	hypo	CG	-0.9707
Gm04	4433942	4434230 Gmdrm	hypo	CG	-0.0384
Gm04	4467075	4467448 Gmdrm	hypo	CG	-0.7696
Gm04	4472150	4472270 Gmdrm	hypo	CG	-0.7294
Gm04	4472531	4472674 Gmdrm	hypo	CG	-0.2796
Gm04	4483861	4484253 Gmdrm	hypo	CG	-0.7422
Gm04	4523168	4523535 Gmdrm	hypo	CG	-0.244
Gm04	4525369	4525589 Gmdrm	hypo	CG	-0.4307
Gm04	4534148	4534631 Gmdrm	hypo	CG	-0.796
Gm04	4535131	4535263 Gmdrm	hypo	CG	-0.8801
Gm04	4535385	4535447 Gmdrm	hypo	CG	-0.9383
Gm04	4539074	4539439 Gmdrm	hypo	CG	-0.0343
Gm04	4561062	4561159 Gmdrm	hypo	CG	-0.032
Gm04	4584965	4585044 Gmdrm	hypo	CG	-0.557
Gm04	4605300	4605392 Gmdrm	hypo	CG	-0.8475
Gm04	4605739	4605868 Gmdrm	hypo	CG	-0.865
Gm04	4610987	4611141 Gmdrm	hypo	CG	-0.9435
Gm04	4631227	4631434 Gmdrm	hypo	CG	-0.0433
Gm04	4632541	4632729 Gmdrm	hypo	CG	-0.9034
Gm04	4684995	4685022 Gmdrm	hypo	CG	-0.885
Gm04	4712865	4712894 Gmdrm	hypo	CG	-0.06
Gm04	4733122	4733312 Gmdrm	hypo	CG	-0.2338
Gm04	4733515	4733686 Gmdrm	hypo	CG	-0.5261
Gm04	4748126	4748267 Gmdrm	hypo	CG	-0.3113
Gm04	4821874	4821958 Gmdrm	hypo	CG	-0.1345
Gm04	4822125	4822216 Gmdrm	hypo	CG	-0.16
Gm04	4823763	4823909 Gmdrm	hypo	CG	-0.465
Gm04	4888441	4888677 Gmdrm	hypo	CG	-0.2713
Gm04	4897410	4897492 Gmdrm	hypo	CG	-0.18
Gm04	4900992	4901728 Gmdrm	hypo	CG	-0.0356
Gm04	4903435	4903580 Gmdrm	hypo	CG	-0.14
Gm04	4946566	4946837 Gmdrm	hypo	CG	-0.5592
Gm04	4947553	4947705 Gmdrm	hypo	CG	-0.9512
Gm04	4972190	4972402 Gmdrm	hypo	CG	-0.5516
Gm04	4987650	4987785 Gmdrm	hypo	CG	-0.575
Gm04	4988240	4988516 Gmdrm	hypo	CG	-0.788
Gm04	5000014	5000654 Gmdrm	hypo	CG	-0.2953

Gm04	5004928	5005065 Gmdrm	hypo	CG	-0.385
Gm04	5015186	5015369 Gmdrm	hypo	CG	-0.9094
Gm04	5015720	5015882 Gmdrm	hypo	CG	-0.7637
Gm04	5053503	5053609 Gmdrm	hypo	CG	-0.8663
Gm04	5064145	5064300 Gmdrm	hypo	CG	-0.315
Gm04	5113458	5113894 Gmdrm	hypo	CG	-0.3254
Gm04	5115531	5115543 Gmdrm	hypo	CG	-0.4063
Gm04	5117987	5118190 Gmdrm	hypo	CG	-0.312
Gm04	5124716	5124977 Gmdrm	hypo	CG	-0.53
Gm04	5169844	5170076 Gmdrm	hypo	CG	-0.6278
Gm04	5183892	5184008 Gmdrm	hypo	CG	-0.9238
Gm04	5185922	5186440 Gmdrm	hypo	CG	-0.1597
Gm04	5187352	5187450 Gmdrm	hypo	CG	-0.574
Gm04	5201229	5201353 Gmdrm	hypo	CG	-0.4117
Gm04	5215793	5215941 Gmdrm	hypo	CG	-0.4722
Gm04	5217319	5217612 Gmdrm	hypo	CG	-0.6974
Gm04	5252686	5252748 Gmdrm	hypo	CG	-0.7816
Gm04	5317993	5318119 Gmdrm	hypo	CG	-0.633
Gm04	5318421	5318616 Gmdrm	hypo	CG	-0.3707
Gm04	5338798	5338949 Gmdrm	hypo	CG	-0.0414
Gm04	5343042	5343160 Gmdrm	hypo	CG	-0.046
Gm04	5375153	5375241 Gmdrm	hypo	CG	-0.8801
Gm04	5387430	5387710 Gmdrm	hypo	CG	-0.9046
Gm04	5388709	5389148 Gmdrm	hypo	CG	-0.5592
Gm04	5397593	5397674 Gmdrm	hypo	CG	-0.4717
Gm04	5418966	5419264 Gmdrm	hypo	CG	-0.5806
Gm04	5421202	5421604 Gmdrm	hypo	CG	-0.3289
Gm04	5442771	5442885 Gmdrm	hypo	CG	-0.059
Gm04	5447690	5447930 Gmdrm	hypo	CG	-0.1244
Gm04	5477898	5478291 Gmdrm	hypo	CG	-0.1937
Gm04	5479028	5479100 Gmdrm	hypo	CG	-0.9283
Gm04	5487281	5487313 Gmdrm	hypo	CG	-0.7917
Gm04	5531730	5531860 Gmdrm	hypo	CG	-0.7288
Gm04	5531985	5532109 Gmdrm	hypo	CG	-0.9444
Gm04	5536189	5536330 Gmdrm	hypo	CG	-0.7341
Gm04	5558972	5559518 Gmdrm	hypo	CG	-0.3103
Gm04	5587694	5587851 Gmdrm	hypo	CG	-0.535
Gm04	5603116	5603312 Gmdrm	hypo	CG	-0.951
Gm04	5603427	5603522 Gmdrm	hypo	CG	-0.9575
Gm04	5606325	5606455 Gmdrm	hypo	CG	-0.931
Gm04	5606906	5607039 Gmdrm	hypo	CG	-0.6583
Gm04	5613932	5614123 Gmdrm	hypo	CG	-0.062
Gm04	5622592	5622793 Gmdrm	hypo	CG	-0.085
Gm04	5623878	5623920 Gmdrm	hypo	CG	-0.1166
Gm04	5624364	5624478 Gmdrm	hypo	CG	-0.8383
Gm04	5637490	5637544 Gmdrm	hypo	CG	-0.175

Gm04	5648502	5649102	Gmdrm	hypo	CG	-0.2589
Gm04	5649292	5649469	Gmdrm	hypo	CG	-0.4628
Gm04	5652648	5652756	Gmdrm	hypo	CG	-0.4216
Gm04	5668983	5669077	Gmdrm	hypo	CG	-0.6417
Gm04	5724346	5724411	Gmdrm	hypo	CG	-0.6587
Gm04	5731478	5731596	Gmdrm	hypo	CG	-0.09
Gm04	5731765	5731838	Gmdrm	hypo	CG	-0.0837
Gm04	5733897	5734052	Gmdrm	hypo	CG	-0.1993
Gm04	5736077	5736148	Gmdrm	hypo	CG	-0.275
Gm04	5761824	5761878	Gmdrm	hypo	CG	-0.2067
Gm04	5789361	5789575	Gmdrm	hypo	CG	-0.038
Gm04	5793108	5793195	Gmdrm	hypo	CG	-0.4817
Gm04	5807089	5807215	Gmdrm	hypo	CG	-0.9817
Gm04	5825712	5825922	Gmdrm	hypo	CG	-0.2431
Gm04	5835194	5835512	Gmdrm	hypo	CG	-0.0478
Gm04	5849468	5849577	Gmdrm	hypo	CG	-0.8599
Gm04	5849710	5849786	Gmdrm	hypo	CG	-0.4464
Gm04	5851616	5851800	Gmdrm	hypo	CG	-0.9781
Gm04	5857557	5857756	Gmdrm	hypo	CG	-0.038
Gm04	5875085	5875236	Gmdrm	hypo	CG	-0.8992
Gm04	5875581	5875762	Gmdrm	hypo	CG	-0.335
Gm04	5881845	5882072	Gmdrm	hypo	CG	-0.904
Gm04	5890082	5890237	Gmdrm	hypo	CG	-0.397
Gm04	5895366	5895435	Gmdrm	hypo	CG	-0.3866
Gm04	5896396	5896461	Gmdrm	hypo	CG	-0.0883
Gm04	5896773	5897163	Gmdrm	hypo	CG	-0.1358
Gm04	5918878	5918996	Gmdrm	hypo	CG	-0.056
Gm04	5993448	5993673	Gmdrm	hypo	CG	-0.8544
Gm04	5998546	5998673	Gmdrm	hypo	CG	-0.83
Gm04	6003180	6003385	Gmdrm	hypo	CG	-0.3063
Gm04	6003541	6003622	Gmdrm	hypo	CG	-0.4967
Gm04	6047649	6047706	Gmdrm	hypo	CG	-0.75
Gm04	6056802	6056902	Gmdrm	hypo	CG	-0.925
Gm04	6062549	6062645	Gmdrm	hypo	CG	-0.78
Gm04	6073043	6073148	Gmdrm	hypo	CG	-0.9007
Gm04	6073748	6073991	Gmdrm	hypo	CG	-0.4612
Gm04	6082988	6083056	Gmdrm	hypo	CG	-0.06
Gm04	6097790	6097911	Gmdrm	hypo	CG	-0.6937
Gm04	6098138	6098247	Gmdrm	hypo	CG	-0.1434
Gm04	6117427	6117488	Gmdrm	hypo	CG	-0.9658
Gm04	6118292	6118506	Gmdrm	hypo	CG	-0.5013
Gm04	6120218	6120447	Gmdrm	hypo	CG	-0.4041
Gm04	6129428	6129987	Gmdrm	hypo	CG	-0.84
Gm04	6150113	6150186	Gmdrm	hypo	CG	-0.9283
Gm04	6150487	6150637	Gmdrm	hypo	CG	-0.9163
Gm04	6191194	6191294	Gmdrm	hypo	CG	-0.145

Gm04	6228499	6228670	Gmdrm	hypo	CG	-0.4138
Gm04	6232051	6232159	Gmdrm	hypo	CG	-0.8991
Gm04	6244825	6245044	Gmdrm	hypo	CG	-0.4237
Gm04	6245469	6245622	Gmdrm	hypo	CG	-0.5538
Gm04	6362679	6362783	Gmdrm	hypo	CG	-0.8817
Gm04	6367426	6367435	Gmdrm	hypo	CG	-0.6133
Gm04	6382115	6382296	Gmdrm	hypo	CG	-0.4412
Gm04	6392018	6392157	Gmdrm	hypo	CG	-0.6412
Gm04	6404804	6404908	Gmdrm	hypo	CG	-0.928
Gm04	6405303	6405660	Gmdrm	hypo	CG	-0.5308
Gm04	6440308	6440702	Gmdrm	hypo	CG	-0.0364
Gm04	6448112	6448732	Gmdrm	hypo	CG	-0.5792
Gm04	6473868	6474123	Gmdrm	hypo	CG	-0.7384
Gm04	6483163	6483892	Gmdrm	hypo	CG	-0.4308
Gm04	6508686	6508806	Gmdrm	hypo	CG	-0.9691
Gm04	6508923	6508983	Gmdrm	hypo	CG	-0.9175
Gm04	6527501	6527761	Gmdrm	hypo	CG	-0.892
Gm04	6527896	6528000	Gmdrm	hypo	CG	-0.8737
Gm04	6531623	6531931	Gmdrm	hypo	CG	-0.5772
Gm04	6542209	6542501	Gmdrm	hypo	CG	-0.3956
Gm04	6565166	6565398	Gmdrm	hypo	CG	-0.7775
Gm04	6565634	6565755	Gmdrm	hypo	CG	-0.654
Gm04	6602917	6603188	Gmdrm	hypo	CG	-0.5064
Gm04	6617792	6617895	Gmdrm	hypo	CG	-0.9377
Gm04	6633894	6634261	Gmdrm	hypo	CG	-0.3394
Gm04	6634873	6634951	Gmdrm	hypo	CG	-0.9012
Gm04	6635239	6635270	Gmdrm	hypo	CG	-0.5183
Gm04	6646987	6647154	Gmdrm	hypo	CG	-0.5282
Gm04	6649299	6649475	Gmdrm	hypo	CG	-0.2622
Gm04	6669280	6669490	Gmdrm	hypo	CG	-0.684
Gm04	6754287	6754416	Gmdrm	hypo	CG	-0.6557
Gm04	6762166	6762400	Gmdrm	hypo	CG	-0.3353
Gm04	6809347	6809935	Gmdrm	hypo	CG	-0.0464
Gm04	6822649	6822753	Gmdrm	hypo	CG	-0.4924
Gm04	6829947	6830157	Gmdrm	hypo	CG	-0.055
Gm04	6843108	6843390	Gmdrm	hypo	CG	-0.6317
Gm04	6845702	6846089	Gmdrm	hypo	CG	-0.1825
Gm04	6854278	6854328	Gmdrm	hypo	CG	-0.2767
Gm04	6854554	6854745	Gmdrm	hypo	CG	-0.21
Gm04	6854879	6855053	Gmdrm	hypo	CG	-0.3138
Gm04	6855397	6855565	Gmdrm	hypo	CG	-0.1486
Gm04	6936027	6936112	Gmdrm	hypo	CG	-0.038
Gm04	6948790	6948882	Gmdrm	hypo	CG	-0.56
Gm04	6957051	6957366	Gmdrm	hypo	CG	-0.142
Gm04	6964629	6964870	Gmdrm	hypo	CG	-0.0486
Gm04	6986325	6986351	Gmdrm	hypo	CG	-0.66

Gm04	7014163	7014285 Gmdrm	hypo	CG	-0.9342
Gm04	7017563	7017745 Gmdrm	hypo	CG	-0.674
Gm04	7025434	7025677 Gmdrm	hypo	CG	-0.8908
Gm04	7025788	7025867 Gmdrm	hypo	CG	-0.7533
Gm04	7032193	7032603 Gmdrm	hypo	CG	-0.3355
Gm04	7036479	7036672 Gmdrm	hypo	CG	-0.5589
Gm04	7086659	7086793 Gmdrm	hypo	CG	-0.1388
Gm04	7089943	7090250 Gmdrm	hypo	CG	-0.6954
Gm04	7091004	7091172 Gmdrm	hypo	CG	-0.209
Gm04	7109850	7109988 Gmdrm	hypo	CG	-0.895
Gm04	7145415	7145693 Gmdrm	hypo	CG	-0.897
Gm04	7149157	7149252 Gmdrm	hypo	CG	-0.67
Gm04	7160164	7160420 Gmdrm	hypo	CG	-0.0233
Gm04	7175462	7175590 Gmdrm	hypo	CG	-0.695
Gm04	7175962	7176013 Gmdrm	hypo	CG	-0.6188
Gm04	7180526	7180637 Gmdrm	hypo	CG	-0.8833
Gm04	7180763	7181105 Gmdrm	hypo	CG	-0.3978
Gm04	7194170	7194254 Gmdrm	hypo	CG	-0.7833
Gm04	7194408	7194612 Gmdrm	hypo	CG	-0.894
Gm04	7194871	7195020 Gmdrm	hypo	CG	-0.4817
Gm04	7196122	7196249 Gmdrm	hypo	CG	-0.7375
Gm04	7212664	7212735 Gmdrm	hypo	CG	-0.7025
Gm04	7220388	7220450 Gmdrm	hypo	CG	-0.04
Gm04	7223401	7223713 Gmdrm	hypo	CG	-0.4278
Gm04	7224021	7224104 Gmdrm	hypo	CG	-0.708
Gm04	7224262	7224317 Gmdrm	hypo	CG	-0.8474
Gm04	7225971	7226154 Gmdrm	hypo	CG	-0.9328
Gm04	7249205	7249365 Gmdrm	hypo	CG	-0.0646
Gm04	7258572	7258695 Gmdrm	hypo	CG	-0.9338
Gm04	7258841	7258947 Gmdrm	hypo	CG	-0.576
Gm04	7289089	7289215 Gmdrm	hypo	CG	-0.6888
Gm04	7290003	7290079 Gmdrm	hypo	CG	-0.67
Gm04	7332124	7332288 Gmdrm	hypo	CG	-0.4924
Gm04	7351991	7352094 Gmdrm	hypo	CG	-0.755
Gm04	7352312	7352501 Gmdrm	hypo	CG	-0.7583
Gm04	7406707	7406938 Gmdrm	hypo	CG	-0.699
Gm04	7413952	7414024 Gmdrm	hypo	CG	-0.05
Gm04	7447329	7447465 Gmdrm	hypo	CG	-0.6666
Gm04	7450674	7450773 Gmdrm	hypo	CG	-0.6333
Gm04	7461566	7461712 Gmdrm	hypo	CG	-0.625
Gm04	7462102	7462217 Gmdrm	hypo	CG	-0.54
Gm04	7462329	7462477 Gmdrm	hypo	CG	-0.6183
Gm04	7464920	7464990 Gmdrm	hypo	CG	-0.838
Gm04	7465217	7465361 Gmdrm	hypo	CG	-0.735
Gm04	7473070	7473293 Gmdrm	hypo	CG	-0.1081
Gm04	7482899	7482993 Gmdrm	hypo	CG	-0.8478

Gm04	7497996	7498137	Gmdrm	hypo	CG	-0.05
Gm04	7502418	7502570	Gmdrm	hypo	CG	-0.9188
Gm04	7515134	7515541	Gmdrm	hypo	CG	-0.6488
Gm04	7517058	7517153	Gmdrm	hypo	CG	-0.0814
Gm04	7530540	7530704	Gmdrm	hypo	CG	-0.1787
Gm04	7531744	7531825	Gmdrm	hypo	CG	-0.895
Gm04	7534326	7534417	Gmdrm	hypo	CG	-0.2367
Gm04	7534816	7535095	Gmdrm	hypo	CG	-0.38
Gm04	7535249	7535413	Gmdrm	hypo	CG	-0.53
Gm04	7535571	7535976	Gmdrm	hypo	CG	-0.6854
Gm04	7551379	7551504	Gmdrm	hypo	CG	-0.032
Gm04	7552072	7552438	Gmdrm	hypo	CG	-0.9235
Gm04	7552567	7552674	Gmdrm	hypo	CG	-0.8117
Gm04	7572755	7573148	Gmdrm	hypo	CG	-0.6091
Gm04	7575810	7576043	Gmdrm	hypo	CG	-0.5228
Gm04	7587226	7587315	Gmdrm	hypo	CG	-0.945
Gm04	7605569	7605824	Gmdrm	hypo	CG	-0.9074
Gm04	7636519	7636615	Gmdrm	hypo	CG	-0.0417
Gm04	7637010	7637186	Gmdrm	hypo	CG	-0.0566
Gm04	7637463	7638004	Gmdrm	hypo	CG	-0.305
Gm04	7652774	7653017	Gmdrm	hypo	CG	-0.495
Gm04	7653982	7654183	Gmdrm	hypo	CG	-0.3931
Gm04	7654483	7654503	Gmdrm	hypo	CG	-0.44
Gm04	7655677	7655858	Gmdrm	hypo	CG	-0.8556
Gm04	7658005	7658203	Gmdrm	hypo	CG	-0.5991
Gm04	7660993	7661137	Gmdrm	hypo	CG	-0.9317
Gm04	7661591	7661773	Gmdrm	hypo	CG	-0.6983
Gm04	7661875	7661949	Gmdrm	hypo	CG	-0.6583
Gm04	7664995	7665055	Gmdrm	hypo	CG	-0.7062
Gm04	7682769	7682964	Gmdrm	hypo	CG	-0.8528
Gm04	7683707	7683849	Gmdrm	hypo	CG	-0.5962
Gm04	7701647	7701814	Gmdrm	hypo	CG	-0.0522
Gm04	7713439	7713476	Gmdrm	hypo	CG	-0.8825
Gm04	7722563	7722666	Gmdrm	hypo	CG	-0.172
Gm04	7722826	7722885	Gmdrm	hypo	CG	-0.8762
Gm04	7730065	7730220	Gmdrm	hypo	CG	-0.4339
Gm04	7733827	7734019	Gmdrm	hypo	CG	-0.8604
Gm04	7735221	7735687	Gmdrm	hypo	CG	-0.1351
Gm04	7747806	7747992	Gmdrm	hypo	CG	-0.2157
Gm04	7759923	7759981	Gmdrm	hypo	CG	-0.1287
Gm04	7778800	7778819	Gmdrm	hypo	CG	-0.0513
Gm04	7801278	7801418	Gmdrm	hypo	CG	-0.1875
Gm04	7816165	7816209	Gmdrm	hypo	CG	-0.4217
Gm04	7820248	7820279	Gmdrm	hypo	CG	-0.815
Gm04	7823720	7823792	Gmdrm	hypo	CG	-0.5413
Gm04	7824480	7824828	Gmdrm	hypo	CG	-0.0404

Gm04	7827026	7827247	Gmdrm	hypo	CG	-0.1
Gm04	7838546	7838628	Gmdrm	hypo	CG	-0.785
Gm04	7845082	7845115	Gmdrm	hypo	CG	-0.9675
Gm04	7845299	7845617	Gmdrm	hypo	CG	-0.8545
Gm04	7855876	7855923	Gmdrm	hypo	CG	-0.8133
Gm04	7856044	7856230	Gmdrm	hypo	CG	-0.6753
Gm04	7860249	7860396	Gmdrm	hypo	CG	-0.95
Gm04	7861041	7861139	Gmdrm	hypo	CG	-0.6884
Gm04	7880133	7880203	Gmdrm	hypo	CG	-0.0866
Gm04	7916209	7916623	Gmdrm	hypo	CG	-0.5013
Gm04	7949858	7950014	Gmdrm	hypo	CG	-0.8267
Gm04	7998117	7998237	Gmdrm	hypo	CG	-0.324
Gm04	7998729	7998861	Gmdrm	hypo	CG	-0.68
Gm04	8021518	8021932	Gmdrm	hypo	CG	-0.669
Gm04	8081059	8081241	Gmdrm	hypo	CG	-0.8224
Gm04	8081358	8081638	Gmdrm	hypo	CG	-0.6495
Gm04	8114043	8114219	Gmdrm	hypo	CG	-0.925
Gm04	8123444	8123566	Gmdrm	hypo	CG	-0.9716
Gm04	8136750	8136992	Gmdrm	hypo	CG	-0.0768
Gm04	8138234	8138304	Gmdrm	hypo	CG	-0.515
Gm04	8171875	8172560	Gmdrm	hypo	CG	-0.0959
Gm04	8189912	8190880	Gmdrm	hypo	CG	-0.0391
Gm04	8203511	8203653	Gmdrm	hypo	CG	-0.6169
Gm04	8209366	8209508	Gmdrm	hypo	CG	-0.032
Gm04	8210460	8210711	Gmdrm	hypo	CG	-0.6822
Gm04	8210820	8211009	Gmdrm	hypo	CG	-0.952
Gm04	8245178	8245276	Gmdrm	hypo	CG	-0.945
Gm04	8245402	8245604	Gmdrm	hypo	CG	-0.5245
Gm04	8267969	8268090	Gmdrm	hypo	CG	-0.13
Gm04	8298999	8299142	Gmdrm	hypo	CG	-0.1158
Gm04	8311763	8312146	Gmdrm	hypo	CG	-0.3241
Gm04	8317679	8317996	Gmdrm	hypo	CG	-0.5689
Gm04	8327890	8328202	Gmdrm	hypo	CG	-0.7244
Gm04	8341071	8341225	Gmdrm	hypo	CG	-0.0617
Gm04	8353245	8353359	Gmdrm	hypo	CG	-0.46
Gm04	8357487	8357596	Gmdrm	hypo	CG	-0.712
Gm04	8376670	8376825	Gmdrm	hypo	CG	-0.88
Gm04	8399102	8399367	Gmdrm	hypo	CG	-0.4767
Gm04	8400513	8400600	Gmdrm	hypo	CG	-0.899
Gm04	8417524	8417763	Gmdrm	hypo	CG	-0.0358
Gm04	8418766	8418836	Gmdrm	hypo	CG	-0.6687
Gm04	8428223	8428595	Gmdrm	hypo	CG	-0.3391
Gm04	8439895	8439977	Gmdrm	hypo	CG	-0.1913
Gm04	8446347	8446477	Gmdrm	hypo	CG	-0.705
Gm04	8459583	8459932	Gmdrm	hypo	CG	-0.7096
Gm04	8473812	8474472	Gmdrm	hypo	CG	-0.8722

Gm04	8477145	8477345 Gmdrm	hypo	CG	-0.8189
Gm04	8478795	8478897 Gmdrm	hypo	CG	-0.7884
Gm04	8479236	8479309 Gmdrm	hypo	CG	-0.7833
Gm04	8495739	8495812 Gmdrm	hypo	CG	-0.9625
Gm04	8495973	8496201 Gmdrm	hypo	CG	-0.685
Gm04	8496341	8496410 Gmdrm	hypo	CG	-0.2183
Gm04	8496677	8496746 Gmdrm	hypo	CG	-0.075
Gm04	8507322	8507353 Gmdrm	hypo	CG	-0.5684
Gm04	8525902	8525996 Gmdrm	hypo	CG	-0.746
Gm04	8544746	8544839 Gmdrm	hypo	CG	-0.5333
Gm04	8546616	8546868 Gmdrm	hypo	CG	-0.396
Gm04	8546974	8547144 Gmdrm	hypo	CG	-0.1789
Gm04	8614415	8614755 Gmdrm	hypo	CG	-0.4904
Gm04	8645764	8646105 Gmdrm	hypo	CG	-0.9391
Gm04	8669144	8669268 Gmdrm	hypo	CG	-0.1114
Gm04	8723951	8723980 Gmdrm	hypo	CG	-0.2988
Gm04	8724138	8724385 Gmdrm	hypo	CG	-0.7458
Gm04	8733843	8733924 Gmdrm	hypo	CG	-0.054
Gm04	8776950	8777011 Gmdrm	hypo	CG	-0.6283
Gm04	8779855	8779971 Gmdrm	hypo	CG	-0.1751
Gm04	8785262	8785452 Gmdrm	hypo	CG	-0.04
Gm04	8791025	8791115 Gmdrm	hypo	CG	-0.7925
Gm04	8791312	8791585 Gmdrm	hypo	CG	-0.5112
Gm04	8791723	8792052 Gmdrm	hypo	CG	-0.4473
Gm04	8794196	8794412 Gmdrm	hypo	CG	-0.9044
Gm04	8795267	8795489 Gmdrm	hypo	CG	-0.5337
Gm04	8800418	8800611 Gmdrm	hypo	CG	-0.057
Gm04	8803764	8803905 Gmdrm	hypo	CG	-0.162
Gm04	8804364	8804524 Gmdrm	hypo	CG	-0.98
Gm04	8805956	8806165 Gmdrm	hypo	CG	-0.7612
Gm04	8817391	8817582 Gmdrm	hypo	CG	-0.6658
Gm04	8828066	8828375 Gmdrm	hypo	CG	-0.1505
Gm04	8828495	8828556 Gmdrm	hypo	CG	-0.2367
Gm04	8828846	8828969 Gmdrm	hypo	CG	-0.933
Gm04	8837845	8837917 Gmdrm	hypo	CG	-0.5816
Gm04	8838054	8838190 Gmdrm	hypo	CG	-0.878
Gm04	8842867	8843074 Gmdrm	hypo	CG	-0.0417
Gm04	8844801	8844974 Gmdrm	hypo	CG	-0.712
Gm04	8847407	8847560 Gmdrm	hypo	CG	-0.5143
Gm04	8857843	8857871 Gmdrm	hypo	CG	-0.65
Gm04	8878727	8878883 Gmdrm	hypo	CG	-0.1793
Gm04	8885001	8885400 Gmdrm	hypo	CG	-0.0626
Gm04	8886407	8886563 Gmdrm	hypo	CG	-0.6781
Gm04	8887106	8887173 Gmdrm	hypo	CG	-0.8912
Gm04	8887513	8887693 Gmdrm	hypo	CG	-0.3712
Gm04	8893893	8894236 Gmdrm	hypo	CG	-0.6289

Gm04	8905116	8905216 Gmdrm	hypo	CG	-0.8825
Gm04	8908623	8908732 Gmdrm	hypo	CG	-0.0877
Gm04	8910557	8910952 Gmdrm	hypo	CG	-0.2035
Gm04	8915433	8915606 Gmdrm	hypo	CG	-0.0834
Gm04	8920825	8920956 Gmdrm	hypo	CG	-0.1184
Gm04	8957237	8957485 Gmdrm	hypo	CG	-0.1088
Gm04	8995923	8996069 Gmdrm	hypo	CG	-0.6334
Gm04	8998398	8998538 Gmdrm	hypo	CG	-0.4037
Gm04	9024225	9024423 Gmdrm	hypo	CG	-0.7388
Gm04	9036223	9036266 Gmdrm	hypo	CG	-0.24
Gm04	9047802	9047978 Gmdrm	hypo	CG	-0.6656
Gm04	9055022	9055137 Gmdrm	hypo	CG	-0.5133
Gm04	9083165	9083339 Gmdrm	hypo	CG	-0.6675
Gm04	9083858	9083881 Gmdrm	hypo	CG	-0.4917
Gm04	9084082	9084353 Gmdrm	hypo	CG	-0.5684
Gm04	9100605	9100642 Gmdrm	hypo	CG	-0.084
Gm04	9106256	9106725 Gmdrm	hypo	CG	-0.0471
Gm04	9108000	9108158 Gmdrm	hypo	CG	-0.7913
Gm04	9171469	9171612 Gmdrm	hypo	CG	-0.054
Gm04	9172561	9172623 Gmdrm	hypo	CG	-0.054
Gm04	9181639	9182150 Gmdrm	hypo	CG	-0.1182
Gm04	9193317	9193380 Gmdrm	hypo	CG	-0.036
Gm04	9198492	9198667 Gmdrm	hypo	CG	-0.0325
Gm04	9210797	9210838 Gmdrm	hypo	CG	-0.9717
Gm04	9218888	9219099 Gmdrm	hypo	CG	-0.9495
Gm04	9219516	9219564 Gmdrm	hypo	CG	-0.835
Gm04	9241210	9241323 Gmdrm	hypo	CG	-0.95
Gm04	9268167	9268368 Gmdrm	hypo	CG	-0.4022
Gm04	9275033	9275106 Gmdrm	hypo	CG	-0.658
Gm04	9289407	9289799 Gmdrm	hypo	CG	-0.3484
Gm04	9314655	9314796 Gmdrm	hypo	CG	-0.9567
Gm04	9325178	9325239 Gmdrm	hypo	CG	-0.0367
Gm04	9366415	9366658 Gmdrm	hypo	CG	-0.0911
Gm04	9392390	9392646 Gmdrm	hypo	CG	-0.7943
Gm04	9421747	9421797 Gmdrm	hypo	CG	-0.1512
Gm04	9434207	9434630 Gmdrm	hypo	CG	-0.2758
Gm04	9435986	9436093 Gmdrm	hypo	CG	-0.4233
Gm04	9440418	9440549 Gmdrm	hypo	CG	-0.3134
Gm04	9442889	9442961 Gmdrm	hypo	CG	-0.205
Gm04	9447533	9447835 Gmdrm	hypo	CG	-0.0443
Gm04	9448299	9448610 Gmdrm	hypo	CG	-0.884
Gm04	9481963	9482179 Gmdrm	hypo	CG	-0.9178
Gm04	9482878	9482974 Gmdrm	hypo	CG	-0.6926
Gm04	9488237	9488260 Gmdrm	hypo	CG	-0.034
Gm04	9504628	9504786 Gmdrm	hypo	CG	-0.6471
Gm04	9523418	9523506 Gmdrm	hypo	CG	-0.1183

Gm04	9525481	9526093	Gmdrm	hypo	CG	-0.4087
Gm04	9535112	9535187	Gmdrm	hypo	CG	-0.0491
Gm04	9546903	9547077	Gmdrm	hypo	CG	-0.5329
Gm04	9547354	9547476	Gmdrm	hypo	CG	-0.5733
Gm04	9547587	9547736	Gmdrm	hypo	CG	-0.6983
Gm04	9553544	9553692	Gmdrm	hypo	CG	-0.7567
Gm04	9553848	9554033	Gmdrm	hypo	CG	-0.5238
Gm04	9554204	9554256	Gmdrm	hypo	CG	-0.147
Gm04	9577314	9577482	Gmdrm	hypo	CG	-0.0533
Gm04	9600794	9600903	Gmdrm	hypo	CG	-0.0555
Gm04	9618938	9618985	Gmdrm	hypo	CG	-0.4043
Gm04	9640228	9640613	Gmdrm	hypo	CG	-0.0553
Gm04	9644205	9644384	Gmdrm	hypo	CG	-0.05
Gm04	9647340	9647542	Gmdrm	hypo	CG	-0.955
Gm04	9649538	9649557	Gmdrm	hypo	CG	-0.4517
Gm04	9731660	9731962	Gmdrm	hypo	CG	-0.2191
Gm04	9770318	9771288	Gmdrm	hypo	CG	-0.0244
Gm04	9783334	9783537	Gmdrm	hypo	CG	-0.45
Gm04	9785865	9786085	Gmdrm	hypo	CG	-0.5514
Gm04	9789593	9789652	Gmdrm	hypo	CG	-0.66
Gm04	9794541	9794743	Gmdrm	hypo	CG	-0.25
Gm04	9795020	9795424	Gmdrm	hypo	CG	-0.528
Gm04	9814492	9814637	Gmdrm	hypo	CG	-0.1183
Gm04	9848815	9849093	Gmdrm	hypo	CG	-0.4843
Gm04	9849487	9849622	Gmdrm	hypo	CG	-0.8316
Gm04	9851081	9851303	Gmdrm	hypo	CG	-0.0462
Gm04	9856669	9856980	Gmdrm	hypo	CG	-0.0413
Gm04	9857085	9857228	Gmdrm	hypo	CG	-0.617
Gm04	9876124	9876182	Gmdrm	hypo	CG	-0.21
Gm04	9885872	9885957	Gmdrm	hypo	CG	-0.046
Gm04	9895407	9895863	Gmdrm	hypo	CG	-0.027
Gm04	10013276	10013712	Gmdrm	hypo	CG	-0.0427
Gm04	10057226	10057565	Gmdrm	hypo	CG	-0.5808
Gm04	10087926	10087969	Gmdrm	hypo	CG	-0.225
Gm04	10154666	10154831	Gmdrm	hypo	CG	-0.693
Gm04	10160902	10161087	Gmdrm	hypo	CG	-0.0471
Gm04	10162449	10162613	Gmdrm	hypo	CG	-0.6767
Gm04	10190829	10191195	Gmdrm	hypo	CG	-0.0659
Gm04	10330721	10331014	Gmdrm	hypo	CG	-0.0883
Gm04	10381933	10382199	Gmdrm	hypo	CG	-0.0429
Gm04	10400246	10400365	Gmdrm	hypo	CG	-0.1437
Gm04	10437245	10437552	Gmdrm	hypo	CG	-0.0623
Gm04	10508530	10508702	Gmdrm	hypo	CG	-0.096
Gm04	10556309	10556383	Gmdrm	hypo	CG	-0.66
Gm04	10566404	10566601	Gmdrm	hypo	CG	-0.078
Gm04	10599978	10600244	Gmdrm	hypo	CG	-0.0625

Gm04	10661257	10661720	Gmdrm	hypo	CG	-0.068
Gm04	10662289	10662866	Gmdrm	hypo	CG	-0.057
Gm04	10746942	10747085	Gmdrm	hypo	CG	-0.0411
Gm04	10788377	10788500	Gmdrm	hypo	CG	-0.8826
Gm04	10843669	10843834	Gmdrm	hypo	CG	-0.201
Gm04	10962011	10962459	Gmdrm	hypo	CG	-0.106
Gm04	11026301	11026630	Gmdrm	hypo	CG	-0.0334
Gm04	11055692	11056679	Gmdrm	hypo	CG	-0.0368
Gm04	11087988	11088224	Gmdrm	hypo	CG	-0.0675
Gm04	11097788	11097952	Gmdrm	hypo	CG	-0.0386
Gm04	11100375	11100486	Gmdrm	hypo	CG	-0.046
Gm04	11117785	11117934	Gmdrm	hypo	CG	-0.3431
Gm04	11137280	11137498	Gmdrm	hypo	CG	-0.903
Gm04	11150214	11150235	Gmdrm	hypo	CG	-0.345
Gm04	11150717	11150781	Gmdrm	hypo	CG	-0.2234
Gm04	11151058	11151191	Gmdrm	hypo	CG	-0.41
Gm04	11157806	11157918	Gmdrm	hypo	CG	-0.5616
Gm04	11158124	11158315	Gmdrm	hypo	CG	-0.9549
Gm04	11159002	11159139	Gmdrm	hypo	CG	-0.3
Gm04	11186289	11186822	Gmdrm	hypo	CG	-0.1219
Gm04	11187754	11188040	Gmdrm	hypo	CG	-0.948
Gm04	11218569	11218722	Gmdrm	hypo	CG	-0.122
Gm04	11236190	11236247	Gmdrm	hypo	CG	-0.096
Gm04	11270309	11270426	Gmdrm	hypo	CG	-0.0471
Gm04	11270710	11270957	Gmdrm	hypo	CG	-0.598
Gm04	11271073	11271249	Gmdrm	hypo	CG	-0.5142
Gm04	11271398	11271580	Gmdrm	hypo	CG	-0.4088
Gm04	11276734	11276754	Gmdrm	hypo	CG	-0.3183
Gm04	11278445	11278517	Gmdrm	hypo	CG	-0.1417
Gm04	11296402	11296526	Gmdrm	hypo	CG	-0.7267
Gm04	11338108	11338181	Gmdrm	hypo	CG	-0.035
Gm04	11345119	11345371	Gmdrm	hypo	CG	-0.1507
Gm04	11351458	11352006	Gmdrm	hypo	CG	-0.3679
Gm04	11388840	11388899	Gmdrm	hypo	CG	-0.82
Gm04	11402170	11402382	Gmdrm	hypo	CG	-0.047
Gm04	11407276	11407449	Gmdrm	hypo	CG	-0.0433
Gm04	11417446	11417589	Gmdrm	hypo	CG	-0.2593
Gm04	11420371	11420387	Gmdrm	hypo	CG	-0.0383
Gm04	11446431	11446663	Gmdrm	hypo	CG	-0.713
Gm04	11511169	11511620	Gmdrm	hypo	CG	-0.0275
Gm04	11512830	11513175	Gmdrm	hypo	CG	-0.3107
Gm04	11547585	11547889	Gmdrm	hypo	CG	-0.0781
Gm04	11564114	11564302	Gmdrm	hypo	CG	-0.08
Gm04	11568530	11568682	Gmdrm	hypo	CG	-0.06
Gm04	11577109	11577200	Gmdrm	hypo	CG	-0.647
Gm04	11606717	11606865	Gmdrm	hypo	CG	-0.38

Gm04	11614806	11614951	Gmdrm	hypo	CG	-0.4301
Gm04	11615932	11616048	Gmdrm	hypo	CG	-0.045
Gm04	11618692	11618858	Gmdrm	hypo	CG	-0.3399
Gm04	11619398	11620073	Gmdrm	hypo	CG	-0.049
Gm04	11621027	11621151	Gmdrm	hypo	CG	-0.75
Gm04	11631445	11631628	Gmdrm	hypo	CG	-0.048
Gm04	11642602	11642837	Gmdrm	hypo	CG	-0.491
Gm04	11643508	11643546	Gmdrm	hypo	CG	-0.2734
Gm04	11644069	11644140	Gmdrm	hypo	CG	-0.8292
Gm04	11700723	11700924	Gmdrm	hypo	CG	-0.4009
Gm04	11711598	11711815	Gmdrm	hypo	CG	-0.942
Gm04	11715411	11715502	Gmdrm	hypo	CG	-0.9486
Gm04	11746222	11746270	Gmdrm	hypo	CG	-0.784
Gm04	11781247	11781290	Gmdrm	hypo	CG	-0.04
Gm04	11858191	11859064	Gmdrm	hypo	CG	-0.0246
Gm04	11865456	11866010	Gmdrm	hypo	CG	-0.06
Gm04	11894293	11894421	Gmdrm	hypo	CG	-0.1466
Gm04	11902285	11902491	Gmdrm	hypo	CG	-0.319
Gm04	11902736	11902812	Gmdrm	hypo	CG	-0.4571
Gm04	11909299	11909347	Gmdrm	hypo	CG	-0.2512
Gm04	11941745	11942008	Gmdrm	hypo	CG	-0.0721
Gm04	11948471	11948721	Gmdrm	hypo	CG	-0.9
Gm04	11950088	11950230	Gmdrm	hypo	CG	-0.0617
Gm04	11950520	11950630	Gmdrm	hypo	CG	-0.1775
Gm04	11958067	11958122	Gmdrm	hypo	CG	-0.4028
Gm04	11958466	11958568	Gmdrm	hypo	CG	-0.8862
Gm04	12033484	12033569	Gmdrm	hypo	CG	-0.5283
Gm04	12050354	12050500	Gmdrm	hypo	CG	-0.2775
Gm04	12053055	12053273	Gmdrm	hypo	CG	-0.6079
Gm04	12062744	12062868	Gmdrm	hypo	CG	-0.8875
Gm04	12063001	12063094	Gmdrm	hypo	CG	-0.1238
Gm04	12082293	12082462	Gmdrm	hypo	CG	-0.685
Gm04	12083226	12083461	Gmdrm	hypo	CG	-0.444
Gm04	12084847	12085048	Gmdrm	hypo	CG	-0.112
Gm04	12091096	12091357	Gmdrm	hypo	CG	-0.1681
Gm04	12103346	12103587	Gmdrm	hypo	CG	-0.034
Gm04	12110912	12110932	Gmdrm	hypo	CG	-0.1466
Gm04	12111083	12111276	Gmdrm	hypo	CG	-0.2238
Gm04	12111831	12111900	Gmdrm	hypo	CG	-0.5784
Gm04	12114988	12115103	Gmdrm	hypo	CG	-0.538
Gm04	12115235	12115415	Gmdrm	hypo	CG	-0.3642
Gm04	12226432	12226605	Gmdrm	hypo	CG	-0.2725
Gm04	12243218	12243380	Gmdrm	hypo	CG	-0.6818
Gm04	12322522	12322891	Gmdrm	hypo	CG	-0.4925
Gm04	12330501	12330723	Gmdrm	hypo	CG	-0.069
Gm04	12345605	12345643	Gmdrm	hypo	CG	-0.535

Gm04	12387126	12387324	Gmdrm	hypo	CG	-0.1536
Gm04	12388222	12388313	Gmdrm	hypo	CG	-0.2316
Gm04	12388775	12388918	Gmdrm	hypo	CG	-0.665
Gm04	12395474	12395762	Gmdrm	hypo	CG	-0.7775
Gm04	12396153	12396188	Gmdrm	hypo	CG	-0.5
Gm04	12397336	12397407	Gmdrm	hypo	CG	-0.266
Gm04	12397967	12398018	Gmdrm	hypo	CG	-0.8225
Gm04	12415898	12415979	Gmdrm	hypo	CG	-0.0617
Gm04	12422482	12422701	Gmdrm	hypo	CG	-0.5411
Gm04	12425028	12425246	Gmdrm	hypo	CG	-0.035
Gm04	12434557	12435016	Gmdrm	hypo	CG	-0.0734
Gm04	12476115	12476507	Gmdrm	hypo	CG	-0.3587
Gm04	12478044	12478339	Gmdrm	hypo	CG	-0.128
Gm04	12485943	12486200	Gmdrm	hypo	CG	-0.19
Gm04	12486347	12486509	Gmdrm	hypo	CG	-0.2457
Gm04	12486708	12486975	Gmdrm	hypo	CG	-0.2177
Gm04	12626762	12626831	Gmdrm	hypo	CG	-0.1833
Gm04	12634542	12634611	Gmdrm	hypo	CG	-0.9483
Gm04	12634868	12634964	Gmdrm	hypo	CG	-0.5216
Gm04	12742820	12742922	Gmdrm	hypo	CG	-0.1071
Gm04	12827916	12828142	Gmdrm	hypo	CG	-0.0625
Gm04	12880854	12881032	Gmdrm	hypo	CG	-0.6564
Gm04	12912907	12913034	Gmdrm	hypo	CG	-0.805
Gm04	12917777	12917954	Gmdrm	hypo	CG	-0.032
Gm04	12988904	12989020	Gmdrm	hypo	CG	-0.424
Gm04	13006925	13006949	Gmdrm	hypo	CG	-0.2933
Gm04	13075012	13075066	Gmdrm	hypo	CG	-0.166
Gm04	13082162	13082585	Gmdrm	hypo	CG	-0.0427
Gm04	13158004	13158224	Gmdrm	hypo	CG	-0.0443
Gm04	13170030	13170110	Gmdrm	hypo	CG	-0.4066
Gm04	13188753	13188799	Gmdrm	hypo	CG	-0.1467
Gm04	13290868	13290932	Gmdrm	hypo	CG	-0.58
Gm04	13293012	13293096	Gmdrm	hypo	CG	-0.9012
Gm04	13293358	13293439	Gmdrm	hypo	CG	-0.6233
Gm04	13340293	13340437	Gmdrm	hypo	CG	-0.0517
Gm04	13461245	13461440	Gmdrm	hypo	CG	-0.1167
Gm04	13555286	13555402	Gmdrm	hypo	CG	-0.29
Gm04	13584165	13584369	Gmdrm	hypo	CG	-0.325
Gm04	13591893	13592002	Gmdrm	hypo	CG	-0.8408
Gm04	13613123	13613242	Gmdrm	hypo	CG	-0.0642
Gm04	13686466	13687182	Gmdrm	hypo	CG	-0.0429
Gm04	13689520	13689704	Gmdrm	hypo	CG	-0.1136
Gm04	13825757	13825916	Gmdrm	hypo	CG	-0.0388
Gm04	13836249	13837084	Gmdrm	hypo	CG	-0.1897
Gm04	13858564	13858627	Gmdrm	hypo	CG	-0.0867
Gm04	13880229	13880328	Gmdrm	hypo	CG	-0.3167

Gm04	13884749	13885059	Gmdrm	hypo	CG	-0.518
Gm04	13885285	13885371	Gmdrm	hypo	CG	-0.4625
Gm04	13886180	13886813	Gmdrm	hypo	CG	-0.2967
Gm04	13889683	13889811	Gmdrm	hypo	CG	-0.0742
Gm04	13895721	13895762	Gmdrm	hypo	CG	-0.7116
Gm04	13907881	13908023	Gmdrm	hypo	CG	-0.0575
Gm04	13948225	13948483	Gmdrm	hypo	CG	-0.0555
Gm04	13961874	13962209	Gmdrm	hypo	CG	-0.1375
Gm04	13980072	13980984	Gmdrm	hypo	CG	-0.0222
Gm04	14013353	14013568	Gmdrm	hypo	CG	-0.1009
Gm04	14051174	14051802	Gmdrm	hypo	CG	-0.058
Gm04	14076487	14077291	Gmdrm	hypo	CG	-0.0285
Gm04	14093886	14094144	Gmdrm	hypo	CG	-0.0481
Gm04	14299833	14299943	Gmdrm	hypo	CG	-0.6567
Gm04	14322226	14322808	Gmdrm	hypo	CG	-0.0483
Gm04	14330735	14330808	Gmdrm	hypo	CG	-0.9217
Gm04	14352899	14353022	Gmdrm	hypo	CG	-0.05
Gm04	14456303	14456325	Gmdrm	hypo	CG	-0.5238
Gm04	14472583	14472770	Gmdrm	hypo	CG	-0.2995
Gm04	14473876	14474031	Gmdrm	hypo	CG	-0.0928
Gm04	14559226	14559648	Gmdrm	hypo	CG	-0.103
Gm04	14566639	14567018	Gmdrm	hypo	CG	-0.0462
Gm04	14615658	14615734	Gmdrm	hypo	CG	-0.1242
Gm04	14620672	14620824	Gmdrm	hypo	CG	-0.525
Gm04	14661405	14662039	Gmdrm	hypo	CG	-0.0293
Gm04	14732062	14732401	Gmdrm	hypo	CG	-0.7613
Gm04	14758643	14758823	Gmdrm	hypo	CG	-0.2775
Gm04	14758948	14759026	Gmdrm	hypo	CG	-0.261
Gm04	14759713	14759998	Gmdrm	hypo	CG	-0.577
Gm04	14767338	14767585	Gmdrm	hypo	CG	-0.1556
Gm04	14768533	14768559	Gmdrm	hypo	CG	-0.2733
Gm04	14770435	14770470	Gmdrm	hypo	CG	-0.1499
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Gm04	14780773	14780971	Gmdrm	hypo	CG	-0.4575
Gm04	14781078	14781279	Gmdrm	hypo	CG	-0.2012
Gm04	14793022	14793239	Gmdrm	hypo	CG	-0.8887
Gm04	14813094	14813277	Gmdrm	hypo	CG	-0.0421
Gm04	14849641	14849691	Gmdrm	hypo	CG	-0.0538
Gm04	14859171	14859221	Gmdrm	hypo	CG	-0.87
Gm04	14859340	14859494	Gmdrm	hypo	CG	-0.5482
Gm04	14881553	14881930	Gmdrm	hypo	CG	-0.6169
Gm04	14882550	14882564	Gmdrm	hypo	CG	-0.5933
Gm04	14883558	14883644	Gmdrm	hypo	CG	-0.1157
Gm04	14890278	14890344	Gmdrm	hypo	CG	-0.1522
Gm04	14903400	14903528	Gmdrm	hypo	CG	-0.75
Gm04	14903872	14904216	Gmdrm	hypo	CG	-0.0888

Gm04	14916828	14916987	Gmdrm	hypo	CG	-0.3088
Gm04	14953131	14953376	Gmdrm	hypo	CG	-0.0633
Gm04	14992030	14992374	Gmdrm	hypo	CG	-0.1677
Gm04	14993927	14994117	Gmdrm	hypo	CG	-0.3963
Gm04	15000806	15000910	Gmdrm	hypo	CG	-0.0317
Gm04	15131644	15131989	Gmdrm	hypo	CG	-0.21
Gm04	15132458	15132735	Gmdrm	hypo	CG	-0.729
Gm04	15141104	15141207	Gmdrm	hypo	CG	-0.05
Gm04	15151285	15151542	Gmdrm	hypo	CG	-0.34
Gm04	15170204	15170373	Gmdrm	hypo	CG	-0.5216
Gm04	15218562	15218613	Gmdrm	hypo	CG	-0.6833
Gm04	15231122	15231211	Gmdrm	hypo	CG	-0.9383
Gm04	15268934	15269171	Gmdrm	hypo	CG	-0.4016
Gm04	15270859	15270882	Gmdrm	hypo	CG	-0.2617
Gm04	15278164	15278214	Gmdrm	hypo	CG	-0.05
Gm04	15305041	15305425	Gmdrm	hypo	CG	-0.9643
Gm04	15402895	15402940	Gmdrm	hypo	CG	-0.2986
Gm04	15508873	15509099	Gmdrm	hypo	CG	-0.5866
Gm04	15528076	15528301	Gmdrm	hypo	CG	-0.1992
Gm04	15528421	15528690	Gmdrm	hypo	CG	-0.1911
Gm04	15529286	15529427	Gmdrm	hypo	CG	-0.8833
Gm04	15546961	15547329	Gmdrm	hypo	CG	-0.4542
Gm04	15571454	15571902	Gmdrm	hypo	CG	-0.0443
Gm04	15605799	15605839	Gmdrm	hypo	CG	-0.904
Gm04	15613045	15613221	Gmdrm	hypo	CG	-0.705
Gm04	15641902	15642088	Gmdrm	hypo	CG	-0.0557
Gm04	15654215	15654343	Gmdrm	hypo	CG	-0.0483
Gm04	15741642	15741910	Gmdrm	hypo	CG	-0.0467
Gm04	15744005	15744304	Gmdrm	hypo	CG	-0.0433
Gm04	15790314	15790538	Gmdrm	hypo	CG	-0.2182
Gm04	15793003	15793121	Gmdrm	hypo	CG	-0.92
Gm04	15794127	15794165	Gmdrm	hypo	CG	-0.626
Gm04	15819550	15819664	Gmdrm	hypo	CG	-0.4371
Gm04	15821270	15821516	Gmdrm	hypo	CG	-0.1395
Gm04	15822085	15822121	Gmdrm	hypo	CG	-0.36
Gm04	15840948	15841275	Gmdrm	hypo	CG	-0.0612
Gm04	15858877	15859020	Gmdrm	hypo	CG	-0.2
Gm04	15882348	15882380	Gmdrm	hypo	CG	-0.2884
Gm04	15901570	15902072	Gmdrm	hypo	CG	-0.0537
Gm04	15914406	15914559	Gmdrm	hypo	CG	-0.1243
Gm04	15963172	15963213	Gmdrm	hypo	CG	-0.925
Gm04	15987763	15987881	Gmdrm	hypo	CG	-0.0683
Gm04	15996430	15996550	Gmdrm	hypo	CG	-0.1174
Gm04	16060058	16060237	Gmdrm	hypo	CG	-0.0524
Gm04	16077341	16077601	Gmdrm	hypo	CG	-0.0673
Gm04	16111393	16111606	Gmdrm	hypo	CG	-0.1214

Gm04	16138071	16138510	Gmdrm	hypo	CG	-0.2872
Gm04	16187531	16187767	Gmdrm	hypo	CG	-0.0514
Gm04	16198125	16198212	Gmdrm	hypo	CG	-0.7366
Gm04	16210721	16210859	Gmdrm	hypo	CG	-0.0433
Gm04	16298342	16298715	Gmdrm	hypo	CG	-0.0385
Gm04	16337440	16337815	Gmdrm	hypo	CG	-0.0526
Gm04	16395497	16395561	Gmdrm	hypo	CG	-0.1858
Gm04	16495842	16495946	Gmdrm	hypo	CG	-0.0584
Gm04	16548308	16548425	Gmdrm	hypo	CG	-0.0876
Gm04	16561468	16561690	Gmdrm	hypo	CG	-0.0294
Gm04	16573365	16573810	Gmdrm	hypo	CG	-0.1145
Gm04	16601321	16601426	Gmdrm	hypo	CG	-0.161
Gm04	16659681	16660039	Gmdrm	hypo	CG	-0.1423
Gm04	16691673	16691993	Gmdrm	hypo	CG	-0.0617
Gm04	16758005	16758678	Gmdrm	hypo	CG	-0.0347
Gm04	16787216	16787514	Gmdrm	hypo	CG	-0.0342
Gm04	16839606	16839723	Gmdrm	hypo	CG	-0.2283
Gm04	16877281	16877327	Gmdrm	hypo	CG	-0.07
Gm04	16906217	16906282	Gmdrm	hypo	CG	-0.46
Gm04	16908283	16908369	Gmdrm	hypo	CG	-0.7584
Gm04	16908481	16908670	Gmdrm	hypo	CG	-0.7016
Gm04	16909528	16909663	Gmdrm	hypo	CG	-0.8221
Gm04	16911353	16911379	Gmdrm	hypo	CG	-0.0666
Gm04	16959203	16959249	Gmdrm	hypo	CG	-0.715
Gm04	17054053	17054181	Gmdrm	hypo	CG	-0.8616
Gm04	17063535	17063604	Gmdrm	hypo	CG	-0.18
Gm04	17064232	17064286	Gmdrm	hypo	CG	-0.1463
Gm04	17077067	17077419	Gmdrm	hypo	CG	-0.65
Gm04	17093743	17093887	Gmdrm	hypo	CG	-0.4876
Gm04	17107641	17107779	Gmdrm	hypo	CG	-0.07
Gm04	17108221	17108314	Gmdrm	hypo	CG	-0.155
Gm04	17131719	17131732	Gmdrm	hypo	CG	-0.0587
Gm04	17174968	17175089	Gmdrm	hypo	CG	-0.8675
Gm04	17189352	17189758	Gmdrm	hypo	CG	-0.2052
Gm04	17201474	17201569	Gmdrm	hypo	CG	-0.0683
Gm04	17247425	17247640	Gmdrm	hypo	CG	-0.0745
Gm04	17268428	17268468	Gmdrm	hypo	CG	-0.0583
Gm04	17281745	17282314	Gmdrm	hypo	CG	-0.0422
Gm04	17297124	17297185	Gmdrm	hypo	CG	-0.485
Gm04	17364261	17364476	Gmdrm	hypo	CG	-0.6422
Gm04	17372687	17372990	Gmdrm	hypo	CG	-0.6931
Gm04	17373100	17373230	Gmdrm	hypo	CG	-0.4167
Gm04	17505159	17505269	Gmdrm	hypo	CG	-0.0738
Gm04	17507745	17507791	Gmdrm	hypo	CG	-0.1625
Gm04	17609267	17609532	Gmdrm	hypo	CG	-0.0554
Gm04	17632793	17632883	Gmdrm	hypo	CG	-0.095

Gm04	17654161	17654482	Gmdrm	hypo	CG	-0.3833
Gm04	17751472	17751575	Gmdrm	hypo	CG	-0.6533
Gm04	17756313	17756854	Gmdrm	hypo	CG	-0.0658
Gm04	17759328	17759728	Gmdrm	hypo	CG	-0.4693
Gm04	17784548	17785037	Gmdrm	hypo	CG	-0.256
Gm04	17834663	17834792	Gmdrm	hypo	CG	-0.6184
Gm04	17879874	17880095	Gmdrm	hypo	CG	-0.0822
Gm04	17893484	17893698	Gmdrm	hypo	CG	-0.0294
Gm04	17913901	17913983	Gmdrm	hypo	CG	-0.24
Gm04	17931931	17932142	Gmdrm	hypo	CG	-0.2875
Gm04	17954425	17954593	Gmdrm	hypo	CG	-0.64
Gm04	18082899	18082985	Gmdrm	hypo	CG	-0.03
Gm04	18086857	18087212	Gmdrm	hypo	CG	-0.1054
Gm04	18091023	18091223	Gmdrm	hypo	CG	-0.0975
Gm04	18098513	18098639	Gmdrm	hypo	CG	-0.105
Gm04	18132228	18132365	Gmdrm	hypo	CG	-0.0351
Gm04	18210406	18210665	Gmdrm	hypo	CG	-0.0331
Gm04	18222805	18222848	Gmdrm	hypo	CG	-0.2984
Gm04	18229948	18230060	Gmdrm	hypo	CG	-0.045
Gm04	18230380	18230516	Gmdrm	hypo	CG	-0.935
Gm04	18235055	18235204	Gmdrm	hypo	CG	-0.2133
Gm04	18243693	18243865	Gmdrm	hypo	CG	-0.54
Gm04	18253633	18253717	Gmdrm	hypo	CG	-0.1687
Gm04	18254421	18254562	Gmdrm	hypo	CG	-0.3264
Gm04	18255466	18255797	Gmdrm	hypo	CG	-0.7011
Gm04	18257742	18257950	Gmdrm	hypo	CG	-0.8057
Gm04	18264428	18264526	Gmdrm	hypo	CG	-0.2025
Gm04	18323320	18323777	Gmdrm	hypo	CG	-0.0342
Gm04	18386964	18387321	Gmdrm	hypo	CG	-0.0681
Gm04	18408979	18409301	Gmdrm	hypo	CG	-0.0633
Gm04	18497898	18498229	Gmdrm	hypo	CG	-0.3906
Gm04	18531156	18531495	Gmdrm	hypo	CG	-0.1255
Gm04	18537913	18538667	Gmdrm	hypo	CG	-0.0294
Gm04	18559430	18559683	Gmdrm	hypo	CG	-0.3692
Gm04	18562979	18563109	Gmdrm	hypo	CG	-0.73
Gm04	18603847	18603881	Gmdrm	hypo	CG	-0.3934
Gm04	18637406	18637647	Gmdrm	hypo	CG	-0.0727
Gm04	18659457	18659754	Gmdrm	hypo	CG	-0.0727
Gm04	18674545	18674726	Gmdrm	hypo	CG	-0.6212
Gm04	18674931	18675039	Gmdrm	hypo	CG	-0.0267
Gm04	18695130	18695571	Gmdrm	hypo	CG	-0.067
Gm04	18699828	18699986	Gmdrm	hypo	CG	-0.175
Gm04	18719952	18720702	Gmdrm	hypo	CG	-0.0252
Gm04	18823549	18824326	Gmdrm	hypo	CG	-0.0467
Gm04	18887082	18887208	Gmdrm	hypo	CG	-0.0424
Gm04	18950226	18950307	Gmdrm	hypo	CG	-0.945

Gm04	18991375	18991631	Gmdrm	hypo	CG	-0.0541
Gm04	18992598	18992637	Gmdrm	hypo	CG	-0.1266
Gm04	19022753	19022949	Gmdrm	hypo	CG	-0.0633
Gm04	19025515	19026496	Gmdrm	hypo	CG	-0.0598
Gm04	19147965	19148513	Gmdrm	hypo	CG	-0.0775
Gm04	19209411	19209545	Gmdrm	hypo	CG	-0.405
Gm04	19227699	19227900	Gmdrm	hypo	CG	-0.8778
Gm04	19230541	19230690	Gmdrm	hypo	CG	-0.7933
Gm04	19250976	19251111	Gmdrm	hypo	CG	-0.8267
Gm04	19260391	19260428	Gmdrm	hypo	CG	-0.9867
Gm04	19269051	19269222	Gmdrm	hypo	CG	-0.1483
Gm04	19272338	19272591	Gmdrm	hypo	CG	-0.0446
Gm04	19290059	19290167	Gmdrm	hypo	CG	-0.075
Gm04	19295420	19295765	Gmdrm	hypo	CG	-0.215
Gm04	19325192	19325357	Gmdrm	hypo	CG	-0.548
Gm04	19325465	19325775	Gmdrm	hypo	CG	-0.2912
Gm04	19329225	19329294	Gmdrm	hypo	CG	-0.232
Gm04	19343344	19343492	Gmdrm	hypo	CG	-0.0425
Gm04	19350319	19350622	Gmdrm	hypo	CG	-0.619
Gm04	19364459	19365124	Gmdrm	hypo	CG	-0.0402
Gm04	19459638	19459979	Gmdrm	hypo	CG	-0.838
Gm04	19466525	19466586	Gmdrm	hypo	CG	-0.5033
Gm04	19517883	19517936	Gmdrm	hypo	CG	-0.14
Gm04	19538121	19538361	Gmdrm	hypo	CG	-0.1243
Gm04	19569058	19569118	Gmdrm	hypo	CG	-0.645
Gm04	19612011	19612164	Gmdrm	hypo	CG	-0.0554
Gm04	19643989	19644365	Gmdrm	hypo	CG	-0.6638
Gm04	19645744	19646078	Gmdrm	hypo	CG	-0.04
Gm04	19661430	19661577	Gmdrm	hypo	CG	-0.086
Gm04	19800521	19800718	Gmdrm	hypo	CG	-0.1395
Gm04	19955241	19955574	Gmdrm	hypo	CG	-0.28
Gm04	19958012	19958060	Gmdrm	hypo	CG	-0.2767
Gm04	20073787	20073911	Gmdrm	hypo	CG	-0.0627
Gm04	20147099	20147346	Gmdrm	hypo	CG	-0.454
Gm04	20204569	20204742	Gmdrm	hypo	CG	-0.077
Gm04	20261069	20261480	Gmdrm	hypo	CG	-0.064
Gm04	20261665	20261825	Gmdrm	hypo	CG	-0.098
Gm04	20359030	20359215	Gmdrm	hypo	CG	-0.0822
Gm04	20377734	20377842	Gmdrm	hypo	CG	-0.1
Gm04	20378854	20379225	Gmdrm	hypo	CG	-0.1778
Gm04	20426839	20426982	Gmdrm	hypo	CG	-0.4056
Gm04	20451351	20452315	Gmdrm	hypo	CG	-0.0336
Gm04	20470018	20470135	Gmdrm	hypo	CG	-0.9317
Gm04	20470956	20471165	Gmdrm	hypo	CG	-0.8683
Gm04	20479196	20479705	Gmdrm	hypo	CG	-0.0258
Gm04	20549590	20549774	Gmdrm	hypo	CG	-0.06

Gm04	20589428	20589711	Gmdrm	hypo	CG	-0.119
Gm04	20625653	20625788	Gmdrm	hypo	CG	-0.0655
Gm04	20698481	20698671	Gmdrm	hypo	CG	-0.115
Gm04	20734875	20735234	Gmdrm	hypo	CG	-0.043
Gm04	20814469	20815030	Gmdrm	hypo	CG	-0.0336
Gm04	20823251	20823833	Gmdrm	hypo	CG	-0.0241
Gm04	20830705	20830777	Gmdrm	hypo	CG	-0.5517
Gm04	20979565	20979925	Gmdrm	hypo	CG	-0.0627
Gm04	21068127	21068213	Gmdrm	hypo	CG	-0.1067
Gm04	21158119	21158196	Gmdrm	hypo	CG	-0.222
Gm04	21160350	21160468	Gmdrm	hypo	CG	-0.0655
Gm04	21243194	21244166	Gmdrm	hypo	CG	-0.0279
Gm04	21340355	21340425	Gmdrm	hypo	CG	-0.06
Gm04	21350309	21350440	Gmdrm	hypo	CG	-0.4462
Gm04	21366031	21366122	Gmdrm	hypo	CG	-0.242
Gm04	21368363	21368873	Gmdrm	hypo	CG	-0.0513
Gm04	21450857	21451335	Gmdrm	hypo	CG	-0.0425
Gm04	21524084	21524172	Gmdrm	hypo	CG	-0.764
Gm04	21529244	21529662	Gmdrm	hypo	CG	-0.0307
Gm04	21563660	21563899	Gmdrm	hypo	CG	-0.0819
Gm04	21571909	21572030	Gmdrm	hypo	CG	-0.1255
Gm04	21580851	21580922	Gmdrm	hypo	CG	-0.755
Gm04	21582762	21583161	Gmdrm	hypo	CG	-0.044
Gm04	21611123	21611389	Gmdrm	hypo	CG	-0.0484
Gm04	21634458	21634508	Gmdrm	hypo	CG	-0.7725
Gm04	21684306	21684413	Gmdrm	hypo	CG	-0.05
Gm04	21693796	21693892	Gmdrm	hypo	CG	-0.13
Gm04	21705719	21706090	Gmdrm	hypo	CG	-0.1253
Gm04	21753262	21753359	Gmdrm	hypo	CG	-0.0388
Gm04	21807542	21808051	Gmdrm	hypo	CG	-0.0468
Gm04	21826312	21827304	Gmdrm	hypo	CG	-0.0299
Gm04	21831632	21831755	Gmdrm	hypo	CG	-0.0667
Gm04	21886116	21886248	Gmdrm	hypo	CG	-0.0465
Gm04	21888484	21888616	Gmdrm	hypo	CG	-0.3033
Gm04	21923014	21923079	Gmdrm	hypo	CG	-0.1743
Gm04	21991877	21992077	Gmdrm	hypo	CG	-0.378
Gm04	22123844	22123959	Gmdrm	hypo	CG	-0.118
Gm04	22132170	22132477	Gmdrm	hypo	CG	-0.0707
Gm04	22133559	22134211	Gmdrm	hypo	CG	-0.0407
Gm04	22216154	22216343	Gmdrm	hypo	CG	-0.0357
Gm04	22235490	22235695	Gmdrm	hypo	CG	-0.0614
Gm04	22286596	22286856	Gmdrm	hypo	CG	-0.0635
Gm04	22296534	22296963	Gmdrm	hypo	CG	-0.0666
Gm04	22298431	22298708	Gmdrm	hypo	CG	-0.1075
Gm04	22352326	22352571	Gmdrm	hypo	CG	-0.065
Gm04	22401190	22401337	Gmdrm	hypo	CG	-0.0911

Gm04	22447941	22448868	Gmdrm	hypo	CG	-0.0278
Gm04	22635113	22635316	Gmdrm	hypo	CG	-0.0775
Gm04	22715540	22715909	Gmdrm	hypo	CG	-0.0394
Gm04	22745357	22745580	Gmdrm	hypo	CG	-0.5534
Gm04	22745920	22746021	Gmdrm	hypo	CG	-0.13
Gm04	22760527	22760537	Gmdrm	hypo	CG	-0.9434
Gm04	22761313	22761374	Gmdrm	hypo	CG	-0.8963
Gm04	22765155	22765192	Gmdrm	hypo	CG	-0.4534
Gm04	22765846	22765968	Gmdrm	hypo	CG	-0.7462
Gm04	22783285	22783421	Gmdrm	hypo	CG	-0.1959
Gm04	22786011	22786238	Gmdrm	hypo	CG	-0.9233
Gm04	22840577	22840784	Gmdrm	hypo	CG	-0.057
Gm04	22885548	22885678	Gmdrm	hypo	CG	-0.0844
Gm04	22924369	22924536	Gmdrm	hypo	CG	-0.9525
Gm04	22954422	22955273	Gmdrm	hypo	CG	-0.0821
Gm04	22958897	22959122	Gmdrm	hypo	CG	-0.08
Gm04	22984435	22984839	Gmdrm	hypo	CG	-0.065
Gm04	23178811	23178946	Gmdrm	hypo	CG	-0.0611
Gm04	23220900	23221362	Gmdrm	hypo	CG	-0.0838
Gm04	23383274	23383294	Gmdrm	hypo	CG	-0.11
Gm04	23419820	23419945	Gmdrm	hypo	CG	-0.0893
Gm04	23585147	23585646	Gmdrm	hypo	CG	-0.0309
Gm04	23691937	23692699	Gmdrm	hypo	CG	-0.0561
Gm04	23837455	23837991	Gmdrm	hypo	CG	-0.0296
Gm04	23946810	23946884	Gmdrm	hypo	CG	-0.0457
Gm04	23954293	23954446	Gmdrm	hypo	CG	-0.6433
Gm04	23966292	23966651	Gmdrm	hypo	CG	-0.0923
Gm04	24000107	24000295	Gmdrm	hypo	CG	-0.0567
Gm04	24075765	24075929	Gmdrm	hypo	CG	-0.09
Gm04	24213613	24213802	Gmdrm	hypo	CG	-0.162
Gm04	24239111	24239480	Gmdrm	hypo	CG	-0.0633
Gm04	24240720	24240933	Gmdrm	hypo	CG	-0.1538
Gm04	24317211	24317225	Gmdrm	hypo	CG	-0.9184
Gm04	24339899	24340099	Gmdrm	hypo	CG	-0.2692
Gm04	24393214	24393309	Gmdrm	hypo	CG	-0.7
Gm04	24455973	24456440	Gmdrm	hypo	CG	-0.0353
Gm04	24480383	24481047	Gmdrm	hypo	CG	-0.0463
Gm04	24494285	24494350	Gmdrm	hypo	CG	-0.2283
Gm04	24654722	24654906	Gmdrm	hypo	CG	-0.483
Gm04	24680395	24680498	Gmdrm	hypo	CG	-0.538
Gm04	24752254	24752566	Gmdrm	hypo	CG	-0.0539
Gm04	24777078	24777164	Gmdrm	hypo	CG	-0.0433
Gm04	24885014	24885188	Gmdrm	hypo	CG	-0.0543
Gm04	25110599	25110709	Gmdrm	hypo	CG	-0.15
Gm04	25119494	25119758	Gmdrm	hypo	CG	-0.0477
Gm04	25151794	25151941	Gmdrm	hypo	CG	-0.934

Gm04	25152234	25152249	Gmdrm	hypo	CG	-0.045
Gm04	25159597	25159793	Gmdrm	hypo	CG	-0.027
Gm04	25162931	25162977	Gmdrm	hypo	CG	-0.7317
Gm04	25163289	25163433	Gmdrm	hypo	CG	-0.7312
Gm04	25165466	25165603	Gmdrm	hypo	CG	-0.8115
Gm04	25188953	25188983	Gmdrm	hypo	CG	-0.498
Gm04	25352118	25352165	Gmdrm	hypo	CG	-0.8217
Gm04	25353921	25354083	Gmdrm	hypo	CG	-0.3112
Gm04	25354515	25354634	Gmdrm	hypo	CG	-0.27
Gm04	25361069	25361419	Gmdrm	hypo	CG	-0.1561
Gm04	25366710	25366790	Gmdrm	hypo	CG	-0.257
Gm04	25394429	25394556	Gmdrm	hypo	CG	-0.03
Gm04	25412693	25412753	Gmdrm	hypo	CG	-0.74
Gm04	25421808	25421927	Gmdrm	hypo	CG	-0.1674
Gm04	25422350	25422471	Gmdrm	hypo	CG	-0.0438
Gm04	25443022	25443155	Gmdrm	hypo	CG	-0.83
Gm04	25443391	25443543	Gmdrm	hypo	CG	-0.714
Gm04	25455960	25456149	Gmdrm	hypo	CG	-0.0567
Gm04	25462477	25462830	Gmdrm	hypo	CG	-0.0338
Gm04	25534423	25534791	Gmdrm	hypo	CG	-0.0816
Gm04	25577017	25577145	Gmdrm	hypo	CG	-0.543
Gm04	25580148	25580319	Gmdrm	hypo	CG	-0.608
Gm04	25600084	25600122	Gmdrm	hypo	CG	-0.1967
Gm04	25600921	25600998	Gmdrm	hypo	CG	-0.0529
Gm04	25602411	25602498	Gmdrm	hypo	CG	-0.129
Gm04	25657706	25657952	Gmdrm	hypo	CG	-0.344
Gm04	25658472	25658598	Gmdrm	hypo	CG	-0.698
Gm04	25688762	25689040	Gmdrm	hypo	CG	-0.0347
Gm04	25729631	25729662	Gmdrm	hypo	CG	-0.265
Gm04	25730299	25730317	Gmdrm	hypo	CG	-0.046
Gm04	25828392	25828465	Gmdrm	hypo	CG	-0.0425
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Gm04	25968513	25969407	Gmdrm	hypo	CG	-0.0314
Gm04	26039605	26039674	Gmdrm	hypo	CG	-0.102
Gm04	26139194	26140127	Gmdrm	hypo	CG	-0.0356
Gm04	26183729	26183855	Gmdrm	hypo	CG	-0.1333
Gm04	26230208	26230436	Gmdrm	hypo	CG	-0.0448
Gm04	26243692	26243745	Gmdrm	hypo	CG	-0.182
Gm04	26324798	26324926	Gmdrm	hypo	CG	-0.1411
Gm04	26375711	26376126	Gmdrm	hypo	CG	-0.06
Gm04	26408131	26408206	Gmdrm	hypo	CG	-0.3337
Gm04	26408886	26408930	Gmdrm	hypo	CG	-0.909
Gm04	26433208	26433323	Gmdrm	hypo	CG	-0.0431
Gm04	26613578	26614537	Gmdrm	hypo	CG	-0.0345
Gm04	26678539	26679480	Gmdrm	hypo	CG	-0.0262
Gm04	26854068	26854767	Gmdrm	hypo	CG	-0.0347

Gm04	26879071	26879538	Gmdrm	hypo	CG	-0.0377
Gm04	26881016	26881125	Gmdrm	hypo	CG	-0.2157
Gm04	26979453	26980452	Gmdrm	hypo	CG	-0.0319
Gm04	27213748	27214058	Gmdrm	hypo	CG	-0.0773
Gm04	27371393	27372392	Gmdrm	hypo	CG	-0.0383
Gm04	27454550	27455159	Gmdrm	hypo	CG	-0.0477
Gm04	27567439	27567508	Gmdrm	hypo	CG	-0.2867
Gm04	27567677	27567878	Gmdrm	hypo	CG	-0.7574
Gm04	27636396	27636554	Gmdrm	hypo	CG	-0.496
Gm04	27650144	27650416	Gmdrm	hypo	CG	-0.0471
Gm04	27824935	27825068	Gmdrm	hypo	CG	-0.091
Gm04	27966983	27967480	Gmdrm	hypo	CG	-0.0595
Gm04	27969920	27970316	Gmdrm	hypo	CG	-0.039
Gm04	28059054	28059216	Gmdrm	hypo	CG	-0.085
Gm04	28071967	28072222	Gmdrm	hypo	CG	-0.1833
Gm04	28124627	28124829	Gmdrm	hypo	CG	-0.0933
Gm04	28164110	28164231	Gmdrm	hypo	CG	-0.5475
Gm04	28168362	28168456	Gmdrm	hypo	CG	-0.775
Gm04	28269467	28269803	Gmdrm	hypo	CG	-0.0669
Gm04	28389231	28389390	Gmdrm	hypo	CG	-0.1511
Gm04	28483463	28483559	Gmdrm	hypo	CG	-0.8016
Gm04	28483843	28483962	Gmdrm	hypo	CG	-0.6413
Gm04	28522920	28523213	Gmdrm	hypo	CG	-0.1055
Gm04	28637487	28637649	Gmdrm	hypo	CG	-0.0845
Gm04	28643181	28643314	Gmdrm	hypo	CG	-0.1
Gm04	28675600	28675793	Gmdrm	hypo	CG	-0.1429
Gm04	28750469	28751369	Gmdrm	hypo	CG	-0.033
Gm04	28757220	28757356	Gmdrm	hypo	CG	-0.1
Gm04	28760963	28761786	Gmdrm	hypo	CG	-0.0238
Gm04	29006106	29006119	Gmdrm	hypo	CG	-0.53
Gm04	29051282	29051390	Gmdrm	hypo	CG	-0.0516
Gm04	29122191	29122326	Gmdrm	hypo	CG	-0.16
Gm04	29127666	29127686	Gmdrm	hypo	CG	-0.168
Gm04	29151442	29152334	Gmdrm	hypo	CG	-0.0307
Gm04	29230935	29231090	Gmdrm	hypo	CG	-0.0576
Gm04	29238130	29238870	Gmdrm	hypo	CG	-0.0327
Gm04	29333117	29333413	Gmdrm	hypo	CG	-0.0614
Gm04	29336351	29336456	Gmdrm	hypo	CG	-0.0915
Gm04	29377233	29377905	Gmdrm	hypo	CG	-0.0651
Gm04	29401143	29402136	Gmdrm	hypo	CG	-0.0267
Gm04	29452056	29452633	Gmdrm	hypo	CG	-0.0532
Gm04	29559470	29559609	Gmdrm	hypo	CG	-0.7133
Gm04	29559741	29559882	Gmdrm	hypo	CG	-0.276
Gm04	29577089	29577216	Gmdrm	hypo	CG	-0.0973
Gm04	29656346	29657018	Gmdrm	hypo	CG	-0.0399
Gm04	29784100	29785099	Gmdrm	hypo	CG	-0.0378

Gm04	29936419	29936568	Gmdrm	hypo	CG	-0.0475
Gm04	29941980	29942346	Gmdrm	hypo	CG	-0.3229
Gm04	29948368	29948598	Gmdrm	hypo	CG	-0.19
Gm04	29952686	29952814	Gmdrm	hypo	CG	-0.975
Gm04	29959913	29960384	Gmdrm	hypo	CG	-0.6991
Gm04	30091061	30091685	Gmdrm	hypo	CG	-0.0695
Gm04	30121271	30121533	Gmdrm	hypo	CG	-0.0627
Gm04	30132602	30132795	Gmdrm	hypo	CG	-0.061
Gm04	30223345	30223457	Gmdrm	hypo	CG	-0.068
Gm04	30276108	30276418	Gmdrm	hypo	CG	-0.0587
Gm04	30534555	30534781	Gmdrm	hypo	CG	-0.1162
Gm04	30605540	30605596	Gmdrm	hypo	CG	-0.1167
Gm04	30696172	30696264	Gmdrm	hypo	CG	-0.835
Gm04	30701656	30701668	Gmdrm	hypo	CG	-0.2167
Gm04	30701805	30701817	Gmdrm	hypo	CG	-0.4167
Gm04	30701992	30702014	Gmdrm	hypo	CG	-0.48
Gm04	30703334	30703995	Gmdrm	hypo	CG	-0.2232
Gm04	30705321	30705534	Gmdrm	hypo	CG	-0.3723
Gm04	30706364	30706577	Gmdrm	hypo	CG	-0.2283
Gm04	30741602	30742477	Gmdrm	hypo	CG	-0.034
Gm04	30946954	30947098	Gmdrm	hypo	CG	-0.0563
Gm04	30959114	30959263	Gmdrm	hypo	CG	-0.0633
Gm04	31008829	31008901	Gmdrm	hypo	CG	-0.7633
Gm04	31014147	31014557	Gmdrm	hypo	CG	-0.1191
Gm04	31016843	31017046	Gmdrm	hypo	CG	-0.0644
Gm04	31077134	31077364	Gmdrm	hypo	CG	-0.0491
Gm04	31085297	31086268	Gmdrm	hypo	CG	-0.0292
Gm04	31117284	31117755	Gmdrm	hypo	CG	-0.0655
Gm04	31199261	31199422	Gmdrm	hypo	CG	-0.124
Gm04	31214657	31214865	Gmdrm	hypo	CG	-0.0886
Gm04	31233481	31233749	Gmdrm	hypo	CG	-0.0333
Gm04	31267587	31267852	Gmdrm	hypo	CG	-0.0394
Gm04	31281506	31281677	Gmdrm	hypo	CG	-0.041
Gm04	31361516	31362268	Gmdrm	hypo	CG	-0.0332
Gm04	31403661	31404142	Gmdrm	hypo	CG	-0.0353
Gm04	31468163	31468369	Gmdrm	hypo	CG	-0.082
Gm04	31547192	31547288	Gmdrm	hypo	CG	-0.0325
Gm04	31625872	31626050	Gmdrm	hypo	CG	-0.0509
Gm04	31642607	31642645	Gmdrm	hypo	CG	-0.3
Gm04	31664565	31664746	Gmdrm	hypo	CG	-0.0793
Gm04	31848901	31849007	Gmdrm	hypo	CG	-0.8462
Gm04	31996231	31996400	Gmdrm	hypo	CG	-0.429
Gm04	32031238	32031391	Gmdrm	hypo	CG	-0.28
Gm04	32143457	32143550	Gmdrm	hypo	CG	-0.1157
Gm04	32165570	32165916	Gmdrm	hypo	CG	-0.0555
Gm04	32219919	32220052	Gmdrm	hypo	CG	-0.6334

Gm04	32277468	32277616	Gmdrm	hypo	CG	-0.194
Gm04	32297804	32298331	Gmdrm	hypo	CG	-0.0359
Gm04	32419506	32419651	Gmdrm	hypo	CG	-0.386
Gm04	32436873	32436989	Gmdrm	hypo	CG	-0.3916
Gm04	32437184	32437325	Gmdrm	hypo	CG	-0.346
Gm04	32437685	32437739	Gmdrm	hypo	CG	-0.2163
Gm04	32440156	32440240	Gmdrm	hypo	CG	-0.695
Gm04	32442286	32442333	Gmdrm	hypo	CG	-0.1433
Gm04	32511350	32511403	Gmdrm	hypo	CG	-0.2466
Gm04	32516727	32517538	Gmdrm	hypo	CG	-0.0532
Gm04	32571822	32572051	Gmdrm	hypo	CG	-0.7407
Gm04	32586009	32586165	Gmdrm	hypo	CG	-0.8144
Gm04	32619387	32619549	Gmdrm	hypo	CG	-0.0475
Gm04	32677812	32678145	Gmdrm	hypo	CG	-0.0563
Gm04	32749465	32749649	Gmdrm	hypo	CG	-0.19
Gm04	32751387	32752287	Gmdrm	hypo	CG	-0.0491
Gm04	32801060	32801217	Gmdrm	hypo	CG	-0.5012
Gm04	32838067	32838470	Gmdrm	hypo	CG	-0.0464
Gm04	32902294	32902362	Gmdrm	hypo	CG	-0.11
Gm04	32978698	32978919	Gmdrm	hypo	CG	-0.4963
Gm04	33014937	33015228	Gmdrm	hypo	CG	-0.0825
Gm04	33025011	33025645	Gmdrm	hypo	CG	-0.0306
Gm04	33153069	33153245	Gmdrm	hypo	CG	-0.0644
Gm04	33234091	33235065	Gmdrm	hypo	CG	-0.0338
Gm04	33377203	33377359	Gmdrm	hypo	CG	-0.0991
Gm04	33464399	33465397	Gmdrm	hypo	CG	-0.0427
Gm04	33556500	33556663	Gmdrm	hypo	CG	-0.0725
Gm04	33562962	33563544	Gmdrm	hypo	CG	-0.03
Gm04	33574498	33575469	Gmdrm	hypo	CG	-0.0366
Gm04	33641904	33642142	Gmdrm	hypo	CG	-0.0732
Gm04	33681712	33681797	Gmdrm	hypo	CG	-0.0534
Gm04	33727386	33727524	Gmdrm	hypo	CG	-0.5325
Gm04	33752075	33752219	Gmdrm	hypo	CG	-0.4579
Gm04	33752617	33752938	Gmdrm	hypo	CG	-0.0637
Gm04	33754667	33754789	Gmdrm	hypo	CG	-0.4562
Gm04	33919212	33919228	Gmdrm	hypo	CG	-0.9367
Gm04	33945956	33946446	Gmdrm	hypo	CG	-0.0255
Gm04	33954942	33955175	Gmdrm	hypo	CG	-0.0431
Gm04	34007858	34007958	Gmdrm	hypo	CG	-0.116
Gm04	34009236	34009311	Gmdrm	hypo	CG	-0.2
Gm04	34033438	34033911	Gmdrm	hypo	CG	-0.0342
Gm04	34080723	34081095	Gmdrm	hypo	CG	-0.0412
Gm04	34106959	34107072	Gmdrm	hypo	CG	-0.5713
Gm04	34131464	34132099	Gmdrm	hypo	CG	-0.0603
Gm04	34166695	34166987	Gmdrm	hypo	CG	-0.0744
Gm04	34198006	34198166	Gmdrm	hypo	CG	-0.0589

Gm04	34226183	34226996	Gmdrm	hypo	CG	-0.0366
Gm04	34325908	34326554	Gmdrm	hypo	CG	-0.0376
Gm04	34354754	34355495	Gmdrm	hypo	CG	-0.0565
Gm04	34360061	34360430	Gmdrm	hypo	CG	-0.0592
Gm04	34368547	34368821	Gmdrm	hypo	CG	-0.0679
Gm04	34373681	34374128	Gmdrm	hypo	CG	-0.0329
Gm04	34449802	34450137	Gmdrm	hypo	CG	-0.0613
Gm04	34452768	34453245	Gmdrm	hypo	CG	-0.0361
Gm04	34457617	34457676	Gmdrm	hypo	CG	-0.155
Gm04	34719278	34719370	Gmdrm	hypo	CG	-0.07
Gm04	34769451	34769660	Gmdrm	hypo	CG	-0.9234
Gm04	34788374	34788553	Gmdrm	hypo	CG	-0.4014
Gm04	34788688	34788932	Gmdrm	hypo	CG	-0.625
Gm04	34804064	34804188	Gmdrm	hypo	CG	-0.0366
Gm04	34931077	34931217	Gmdrm	hypo	CG	-0.5825
Gm04	34957502	34957632	Gmdrm	hypo	CG	-0.1725
Gm04	35115838	35115857	Gmdrm	hypo	CG	-0.295
Gm04	35145298	35145929	Gmdrm	hypo	CG	-0.0451
Gm04	35163792	35164440	Gmdrm	hypo	CG	-0.0222
Gm04	35208642	35208697	Gmdrm	hypo	CG	-0.3
Gm04	35218354	35219273	Gmdrm	hypo	CG	-0.0302
Gm04	35264707	35264951	Gmdrm	hypo	CG	-0.0471
Gm04	35266685	35266821	Gmdrm	hypo	CG	-0.751
Gm04	35299134	35299190	Gmdrm	hypo	CG	-0.6783
Gm04	35320658	35320804	Gmdrm	hypo	CG	-0.5092
Gm04	35334982	35335086	Gmdrm	hypo	CG	-0.084
Gm04	35362345	35362987	Gmdrm	hypo	CG	-0.0468
Gm04	35368899	35369066	Gmdrm	hypo	CG	-0.051
Gm04	35407976	35408358	Gmdrm	hypo	CG	-0.0566
Gm04	35413828	35413971	Gmdrm	hypo	CG	-0.095
Gm04	35415407	35415604	Gmdrm	hypo	CG	-0.8036
Gm04	35433466	35433634	Gmdrm	hypo	CG	-0.7967
Gm04	35439261	35439302	Gmdrm	hypo	CG	-0.165
Gm04	35439456	35439611	Gmdrm	hypo	CG	-0.3566
Gm04	35439739	35439901	Gmdrm	hypo	CG	-0.5943
Gm04	35506013	35506361	Gmdrm	hypo	CG	-0.0441
Gm04	35591424	35591537	Gmdrm	hypo	CG	-0.88
Gm04	35601281	35601487	Gmdrm	hypo	CG	-0.813
Gm04	35602582	35602704	Gmdrm	hypo	CG	-0.437
Gm04	35602931	35603011	Gmdrm	hypo	CG	-0.7433
Gm04	35605240	35605656	Gmdrm	hypo	CG	-0.51
Gm04	35616371	35616845	Gmdrm	hypo	CG	-0.031
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Gm04	35766682	35766932	Gmdrm	hypo	CG	-0.1028
Gm04	35818743	35818927	Gmdrm	hypo	CG	-0.8187
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Gm04	35835866	35835958	Gmdrm	hypo	CG	-0.245
Gm04	35879646	35879699	Gmdrm	hypo	CG	-0.275
Gm04	35909467	35909610	Gmdrm	hypo	CG	-0.817
Gm04	36062294	36062319	Gmdrm	hypo	CG	-0.184
Gm04	36152717	36153324	Gmdrm	hypo	CG	-0.0402
Gm04	36161741	36162083	Gmdrm	hypo	CG	-0.0557
Gm04	36274645	36275325	Gmdrm	hypo	CG	-0.0505
Gm04	36398249	36398366	Gmdrm	hypo	CG	-0.0929
Gm04	36405145	36405289	Gmdrm	hypo	CG	-0.17
Gm04	36405994	36406239	Gmdrm	hypo	CG	-0.0562
Gm04	36451823	36452719	Gmdrm	hypo	CG	-0.0253
Gm04	36520416	36521109	Gmdrm	hypo	CG	-0.0467
Gm04	36691885	36692209	Gmdrm	hypo	CG	-0.083
Gm04	36694443	36694782	Gmdrm	hypo	CG	-0.0933
Gm04	36705256	36705472	Gmdrm	hypo	CG	-0.0643
Gm04	36757778	36758326	Gmdrm	hypo	CG	-0.0625
Gm04	36782723	36782951	Gmdrm	hypo	CG	-0.0885
Gm04	36804605	36804715	Gmdrm	hypo	CG	-0.0772
Gm04	36867842	36867978	Gmdrm	hypo	CG	-0.0663
Gm04	36871389	36872056	Gmdrm	hypo	CG	-0.0561
Gm04	36898301	36898395	Gmdrm	hypo	CG	-0.1233
Gm04	36958462	36958667	Gmdrm	hypo	CG	-0.088
Gm04	36993391	36993746	Gmdrm	hypo	CG	-0.0569
Gm04	37021925	37022348	Gmdrm	hypo	CG	-0.0483
Gm04	37027238	37027542	Gmdrm	hypo	CG	-0.0543
Gm04	37169616	37170563	Gmdrm	hypo	CG	-0.0226
Gm04	37214274	37214474	Gmdrm	hypo	CG	-0.0392
Gm04	37230769	37230794	Gmdrm	hypo	CG	-0.9367
Gm04	37231423	37231841	Gmdrm	hypo	CG	-0.5443
Gm04	37241874	37242345	Gmdrm	hypo	CG	-0.5875
Gm04	37297732	37297993	Gmdrm	hypo	CG	-0.0946
Gm04	37390315	37390354	Gmdrm	hypo	CG	-0.376
Gm04	37390517	37390638	Gmdrm	hypo	CG	-0.901
Gm04	37395870	37395957	Gmdrm	hypo	CG	-0.7616
Gm04	37409112	37409416	Gmdrm	hypo	CG	-0.0339
Gm04	37417383	37417566	Gmdrm	hypo	CG	-0.052
Gm04	37658133	37658308	Gmdrm	hypo	CG	-0.053
Gm04	37808562	37808701	Gmdrm	hypo	CG	-0.67
Gm04	37814902	37814999	Gmdrm	hypo	CG	-0.074
Gm04	37841874	37842221	Gmdrm	hypo	CG	-0.3863
Gm04	37844158	37844251	Gmdrm	hypo	CG	-0.939
Gm04	37844363	37844476	Gmdrm	hypo	CG	-0.95
Gm04	37848453	37848806	Gmdrm	hypo	CG	-0.445
Gm04	37849341	37849368	Gmdrm	hypo	CG	-0.225
Gm04	37853431	37853772	Gmdrm	hypo	CG	-0.2716
Gm04	37857641	37857973	Gmdrm	hypo	CG	-0.1534

Gm04	37909622	37910619	Gmdrm	hypo	CG	-0.0237
Gm04	37952644	37952793	Gmdrm	hypo	CG	-0.5988
Gm04	37954038	37954151	Gmdrm	hypo	CG	-0.472
Gm04	38030750	38031248	Gmdrm	hypo	CG	-0.0857
Gm04	38054241	38054410	Gmdrm	hypo	CG	-0.474
Gm04	38084263	38084881	Gmdrm	hypo	CG	-0.042
Gm04	38097595	38097861	Gmdrm	hypo	CG	-0.0233
Gm04	38102085	38102250	Gmdrm	hypo	CG	-0.1167
Gm04	38106190	38106351	Gmdrm	hypo	CG	-0.1433
Gm04	38118827	38119094	Gmdrm	hypo	CG	-0.5873
Gm04	38129969	38130091	Gmdrm	hypo	CG	-0.72
Gm04	38191827	38192152	Gmdrm	hypo	CG	-0.0867
Gm04	38285540	38285694	Gmdrm	hypo	CG	-0.09
Gm04	38372244	38372697	Gmdrm	hypo	CG	-0.3726
Gm04	38373832	38374065	Gmdrm	hypo	CG	-0.9067
Gm04	38374178	38374221	Gmdrm	hypo	CG	-0.1284
Gm04	38375307	38375375	Gmdrm	hypo	CG	-0.6475
Gm04	38375593	38375973	Gmdrm	hypo	CG	-0.2262
Gm04	38392727	38393009	Gmdrm	hypo	CG	-0.0516
Gm04	38393469	38393740	Gmdrm	hypo	CG	-0.958
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Gm04	38394706	38394967	Gmdrm	hypo	CG	-0.0785
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Gm04	38425948	38426143	Gmdrm	hypo	CG	-0.5338
Gm04	38430551	38430655	Gmdrm	hypo	CG	-0.595
Gm04	38455455	38455916	Gmdrm	hypo	CG	-0.0288
Gm04	38458759	38459113	Gmdrm	hypo	CG	-0.0426
Gm04	38467538	38468177	Gmdrm	hypo	CG	-0.0658
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Gm04	38643543	38643707	Gmdrm	hypo	CG	-0.0622
Gm04	38654369	38654784	Gmdrm	hypo	CG	-0.0679
Gm04	38666598	38666773	Gmdrm	hypo	CG	-0.9324
Gm04	38693367	38693623	Gmdrm	hypo	CG	-0.63
Gm04	38703016	38703412	Gmdrm	hypo	CG	-0.3743
Gm04	38703750	38704733	Gmdrm	hypo	CG	-0.0618
Gm04	38706415	38707232	Gmdrm	hypo	CG	-0.1811
Gm04	38709731	38709915	Gmdrm	hypo	CG	-0.4729
Gm04	38710567	38711235	Gmdrm	hypo	CG	-0.0427
Gm04	38729931	38730120	Gmdrm	hypo	CG	-0.68
Gm04	38755124	38755407	Gmdrm	hypo	CG	-0.628
Gm04	38756359	38756524	Gmdrm	hypo	CG	-0.577
Gm04	38785507	38785626	Gmdrm	hypo	CG	-0.6543
Gm04	38787572	38787667	Gmdrm	hypo	CG	-0.06
Gm04	38820855	38821395	Gmdrm	hypo	CG	-0.3325
Gm04	38824551	38824690	Gmdrm	hypo	CG	-0.8088

Gm04	38826025	38826140	Gmdrm	hypo	CG	-0.87
Gm04	38827479	38827628	Gmdrm	hypo	CG	-0.34
Gm04	38831676	38831761	Gmdrm	hypo	CG	-0.615
Gm04	38913625	38913751	Gmdrm	hypo	CG	-0.8467
Gm04	38913928	38913940	Gmdrm	hypo	CG	-0.58
Gm04	38939086	38939188	Gmdrm	hypo	CG	-0.3525
Gm04	39043151	39043263	Gmdrm	hypo	CG	-0.2813
Gm04	39070745	39070993	Gmdrm	hypo	CG	-0.0257
Gm04	39077040	39077223	Gmdrm	hypo	CG	-0.854
Gm04	39095235	39095339	Gmdrm	hypo	CG	-0.405
Gm04	39106627	39106868	Gmdrm	hypo	CG	-0.3424
Gm04	39114134	39114200	Gmdrm	hypo	CG	-0.265
Gm04	39115010	39115200	Gmdrm	hypo	CG	-0.155
Gm04	39119885	39120027	Gmdrm	hypo	CG	-0.83
Gm04	39139099	39139294	Gmdrm	hypo	CG	-0.8318
Gm04	39156473	39156596	Gmdrm	hypo	CG	-0.2033
Gm04	39164870	39165138	Gmdrm	hypo	CG	-0.2069
Gm04	39168524	39169026	Gmdrm	hypo	CG	-0.039
Gm04	39187069	39187092	Gmdrm	hypo	CG	-0.0533
Gm04	39196490	39196574	Gmdrm	hypo	CG	-0.0785
Gm04	39201968	39202190	Gmdrm	hypo	CG	-0.036
Gm04	39217205	39217426	Gmdrm	hypo	CG	-0.4685
Gm04	39222618	39222747	Gmdrm	hypo	CG	-0.0675
Gm04	39281035	39281250	Gmdrm	hypo	CG	-0.1245
Gm04	39293328	39293609	Gmdrm	hypo	CG	-0.5417
Gm04	39316387	39316529	Gmdrm	hypo	CG	-0.237
Gm04	39318533	39318738	Gmdrm	hypo	CG	-0.4016
Gm04	39320688	39320978	Gmdrm	hypo	CG	-0.291
Gm04	39336230	39336569	Gmdrm	hypo	CG	-0.0453
Gm04	39377047	39377794	Gmdrm	hypo	CG	-0.0303
Gm04	39422437	39422523	Gmdrm	hypo	CG	-0.9717
Gm04	39464829	39465018	Gmdrm	hypo	CG	-0.2075
Gm04	39477976	39478360	Gmdrm	hypo	CG	-0.0618
Gm04	39542055	39542445	Gmdrm	hypo	CG	-0.0696
Gm04	39543160	39543465	Gmdrm	hypo	CG	-0.8514
Gm04	39544649	39544802	Gmdrm	hypo	CG	-0.5467
Gm04	39546443	39546465	Gmdrm	hypo	CG	-0.8433
Gm04	39554029	39554297	Gmdrm	hypo	CG	-0.0375
Gm04	39566954	39567020	Gmdrm	hypo	CG	-0.09
Gm04	39576779	39576878	Gmdrm	hypo	CG	-0.0583
Gm04	39637060	39637244	Gmdrm	hypo	CG	-0.1062
Gm04	39673971	39674316	Gmdrm	hypo	CG	-0.2245
Gm04	39796219	39796464	Gmdrm	hypo	CG	-0.0704
Gm04	39829000	39829136	Gmdrm	hypo	CG	-0.0481
Gm04	39868700	39869156	Gmdrm	hypo	CG	-0.4592
Gm04	39869913	39870257	Gmdrm	hypo	CG	-0.5921

Gm04	39876068	39876223	Gmdrm	hypo	CG	-0.161
Gm04	39922830	39922931	Gmdrm	hypo	CG	-0.062
Gm04	39927513	39927623	Gmdrm	hypo	CG	-0.546
Gm04	39947297	39948094	Gmdrm	hypo	CG	-0.0337
Gm04	39954087	39954162	Gmdrm	hypo	CG	-0.7129
Gm04	39954706	39954817	Gmdrm	hypo	CG	-0.5617
Gm04	39971481	39971621	Gmdrm	hypo	CG	-0.0696
Gm04	40035155	40035189	Gmdrm	hypo	CG	-0.9424
Gm04	40041846	40042162	Gmdrm	hypo	CG	-0.0476
Gm04	40062765	40062894	Gmdrm	hypo	CG	-0.1925
Gm04	40095894	40096058	Gmdrm	hypo	CG	-0.0565
Gm04	40101580	40101784	Gmdrm	hypo	CG	-0.4975
Gm04	40111370	40111550	Gmdrm	hypo	CG	-0.2753
Gm04	40155499	40156286	Gmdrm	hypo	CG	-0.1651
Gm04	40180739	40181065	Gmdrm	hypo	CG	-0.0488
Gm04	40185873	40186184	Gmdrm	hypo	CG	-0.0375
Gm04	40192383	40192511	Gmdrm	hypo	CG	-0.8438
Gm04	40197492	40197738	Gmdrm	hypo	CG	-0.0519
Gm04	40201578	40202195	Gmdrm	hypo	CG	-0.0459
Gm04	40220195	40220272	Gmdrm	hypo	CG	-0.9867
Gm04	40221091	40221118	Gmdrm	hypo	CG	-0.4267
Gm04	40223138	40223381	Gmdrm	hypo	CG	-0.0313
Gm04	40228474	40228617	Gmdrm	hypo	CG	-0.0856
Gm04	40244955	40245040	Gmdrm	hypo	CG	-0.2751
Gm04	40264518	40264709	Gmdrm	hypo	CG	-0.228
Gm04	40300663	40300757	Gmdrm	hypo	CG	-0.8949
Gm04	40346285	40346556	Gmdrm	hypo	CG	-0.0775
Gm04	40385800	40385923	Gmdrm	hypo	CG	-0.115
Gm04	40396251	40396357	Gmdrm	hypo	CG	-0.0567
Gm04	40445305	40445436	Gmdrm	hypo	CG	-0.7957
Gm04	40449800	40450032	Gmdrm	hypo	CG	-0.05
Gm04	40463424	40463548	Gmdrm	hypo	CG	-0.1017
Gm04	40557907	40557978	Gmdrm	hypo	CG	-0.588
Gm04	40571410	40571565	Gmdrm	hypo	CG	-0.842
Gm04	40580037	40580158	Gmdrm	hypo	CG	-0.1567
Gm04	40600280	40600587	Gmdrm	hypo	CG	-0.4124
Gm04	40600927	40601228	Gmdrm	hypo	CG	-0.2918
Gm04	40601618	40601851	Gmdrm	hypo	CG	-0.3614
Gm04	40602067	40602092	Gmdrm	hypo	CG	-0.048
Gm04	40659556	40659775	Gmdrm	hypo	CG	-0.395
Gm04	40660789	40660955	Gmdrm	hypo	CG	-0.8191
Gm04	40662506	40662720	Gmdrm	hypo	CG	-0.034
Gm04	40665763	40665851	Gmdrm	hypo	CG	-0.6926
Gm04	40683725	40684041	Gmdrm	hypo	CG	-0.0429
Gm04	40700368	40700503	Gmdrm	hypo	CG	-0.8784
Gm04	40700642	40700821	Gmdrm	hypo	CG	-0.751

Gm04	40700934	40701043 Gmdrm	hypo	CG	-0.875
Gm04	40706681	40706980 Gmdrm	hypo	CG	-0.0612
Gm04	40725126	40725660 Gmdrm	hypo	CG	-0.1223
Gm04	40751809	40751874 Gmdrm	hypo	CG	-0.0757
Gm04	40759650	40759833 Gmdrm	hypo	CG	-0.8879
Gm04	40804464	40804592 Gmdrm	hypo	CG	-0.482
Gm04	40819563	40819658 Gmdrm	hypo	CG	-0.2067
Gm04	40834137	40834276 Gmdrm	hypo	CG	-0.114
Gm04	40835536	40835798 Gmdrm	hypo	CG	-0.1283
Gm04	40836029	40836276 Gmdrm	hypo	CG	-0.596
Gm04	40863580	40864072 Gmdrm	hypo	CG	-0.0673
Gm04	40880396	40880583 Gmdrm	hypo	CG	-0.592
Gm04	40893616	40893716 Gmdrm	hypo	CG	-0.3362
Gm04	40906247	40906338 Gmdrm	hypo	CG	-0.549
Gm04	40909170	40909188 Gmdrm	hypo	CG	-0.9116
Gm04	40910080	40910172 Gmdrm	hypo	CG	-0.076
Gm04	40933325	40933434 Gmdrm	hypo	CG	-0.764
Gm04	40982727	40982897 Gmdrm	hypo	CG	-0.1106
Gm04	41004768	41004836 Gmdrm	hypo	CG	-0.3042
Gm04	41005688	41005763 Gmdrm	hypo	CG	-0.935
Gm04	41012923	41013105 Gmdrm	hypo	CG	-0.8938
Gm04	41016772	41016933 Gmdrm	hypo	CG	-0.7458
Gm04	41020302	41020378 Gmdrm	hypo	CG	-0.9317
Gm04	41024112	41024296 Gmdrm	hypo	CG	-0.4106
Gm04	41061600	41061941 Gmdrm	hypo	CG	-0.3506
Gm04	41062847	41062870 Gmdrm	hypo	CG	-0.6983
Gm04	41070989	41071231 Gmdrm	hypo	CG	-0.39
Gm04	41078067	41078420 Gmdrm	hypo	CG	-0.4208
Gm04	41084298	41084501 Gmdrm	hypo	CG	-0.0687
Gm04	41085591	41085740 Gmdrm	hypo	CG	-0.2571
Gm04	41172283	41172569 Gmdrm	hypo	CG	-0.5264
Gm04	41177003	41177128 Gmdrm	hypo	CG	-0.8675
Gm04	41177272	41177425 Gmdrm	hypo	CG	-0.052
Gm04	41178612	41178766 Gmdrm	hypo	CG	-0.058
Gm04	41179494	41179600 Gmdrm	hypo	CG	-0.8216
Gm04	41193932	41193992 Gmdrm	hypo	CG	-0.3734
Gm04	41199923	41200014 Gmdrm	hypo	CG	-0.3834
Gm04	41200138	41200165 Gmdrm	hypo	CG	-0.0667
Gm04	41201528	41201663 Gmdrm	hypo	CG	-0.31
Gm04	41206861	41206890 Gmdrm	hypo	CG	-0.5701
Gm04	41210846	41210957 Gmdrm	hypo	CG	-0.475
Gm04	41211173	41211198 Gmdrm	hypo	CG	-0.525
Gm04	41216914	41217086 Gmdrm	hypo	CG	-0.1108
Gm04	41217523	41217620 Gmdrm	hypo	CG	-0.1137
Gm04	41217989	41218114 Gmdrm	hypo	CG	-0.59
Gm04	41218708	41219007 Gmdrm	hypo	CG	-0.8109

Gm04	41219840	41219995	Gmdrm	hypo	CG	-0.738
Gm04	41223956	41224047	Gmdrm	hypo	CG	-0.96
Gm04	41234297	41234361	Gmdrm	hypo	CG	-0.537
Gm04	41290301	41290507	Gmdrm	hypo	CG	-0.75
Gm04	41292179	41292520	Gmdrm	hypo	CG	-0.2163
Gm04	41292945	41293101	Gmdrm	hypo	CG	-0.2537
Gm04	41299201	41299403	Gmdrm	hypo	CG	-0.2742
Gm04	41301492	41301591	Gmdrm	hypo	CG	-0.2217
Gm04	41303770	41304092	Gmdrm	hypo	CG	-0.4866
Gm04	41304419	41304593	Gmdrm	hypo	CG	-0.62
Gm04	41324970	41325243	Gmdrm	hypo	CG	-0.1014
Gm04	41339216	41340060	Gmdrm	hypo	CG	-0.0379
Gm04	41360862	41360918	Gmdrm	hypo	CG	-0.5633
Gm04	41405089	41405376	Gmdrm	hypo	CG	-0.2056
Gm04	41535305	41535516	Gmdrm	hypo	CG	-0.6825
Gm04	41567995	41568332	Gmdrm	hypo	CG	-0.9383
Gm04	41580092	41580168	Gmdrm	hypo	CG	-0.5533
Gm04	41582177	41582344	Gmdrm	hypo	CG	-0.0974
Gm04	41630573	41630690	Gmdrm	hypo	CG	-0.805
Gm04	41643714	41643745	Gmdrm	hypo	CG	-0.297
Gm04	41650731	41651079	Gmdrm	hypo	CG	-0.5507
Gm04	41656552	41656878	Gmdrm	hypo	CG	-0.3266
Gm04	41662911	41662954	Gmdrm	hypo	CG	-0.9101
Gm04	41668279	41668578	Gmdrm	hypo	CG	-0.7495
Gm04	41687480	41687562	Gmdrm	hypo	CG	-0.8567
Gm04	41687955	41688040	Gmdrm	hypo	CG	-0.214
Gm04	41704289	41704316	Gmdrm	hypo	CG	-0.9617
Gm04	41708941	41709295	Gmdrm	hypo	CG	-0.5255
Gm04	41709933	41710137	Gmdrm	hypo	CG	-0.535
Gm04	41710973	41711102	Gmdrm	hypo	CG	-0.111
Gm04	41711600	41711762	Gmdrm	hypo	CG	-0.478
Gm04	41712367	41712401	Gmdrm	hypo	CG	-0.7867
Gm04	41712785	41712888	Gmdrm	hypo	CG	-0.67
Gm04	41790999	41791117	Gmdrm	hypo	CG	-0.0764
Gm04	41807186	41807338	Gmdrm	hypo	CG	-0.5475
Gm04	41916636	41916801	Gmdrm	hypo	CG	-0.491
Gm04	41949571	41949816	Gmdrm	hypo	CG	-0.608
Gm04	41986672	41987020	Gmdrm	hypo	CG	-0.036
Gm04	42039117	42039368	Gmdrm	hypo	CG	-0.0777
Gm04	42059284	42059509	Gmdrm	hypo	CG	-0.6863
Gm04	42078686	42078774	Gmdrm	hypo	CG	-0.92
Gm04	42085016	42085286	Gmdrm	hypo	CG	-0.49
Gm04	42088201	42088377	Gmdrm	hypo	CG	-0.5518
Gm04	42194345	42194504	Gmdrm	hypo	CG	-0.056
Gm04	42201067	42201227	Gmdrm	hypo	CG	-0.0575
Gm04	42239659	42239885	Gmdrm	hypo	CG	-0.0928

Gm04	42318316	42319057	Gmdrm	hypo	CG	-0.0476
Gm04	42348007	42348024	Gmdrm	hypo	CG	-0.925
Gm04	42375310	42375408	Gmdrm	hypo	CG	-0.427
Gm04	42387082	42387273	Gmdrm	hypo	CG	-0.3575
Gm04	42392460	42392554	Gmdrm	hypo	CG	-0.4666
Gm04	42392955	42393160	Gmdrm	hypo	CG	-0.2603
Gm04	42433885	42433905	Gmdrm	hypo	CG	-0.6217
Gm04	42451875	42452198	Gmdrm	hypo	CG	-0.1336
Gm04	42455509	42455659	Gmdrm	hypo	CG	-0.965
Gm04	42497569	42497774	Gmdrm	hypo	CG	-0.5114
Gm04	42501904	42502115	Gmdrm	hypo	CG	-0.1908
Gm04	42520890	42521068	Gmdrm	hypo	CG	-0.7488
Gm04	42521810	42521996	Gmdrm	hypo	CG	-0.1
Gm04	42565922	42566081	Gmdrm	hypo	CG	-0.6593
Gm04	42592656	42592860	Gmdrm	hypo	CG	-0.0585
Gm04	42624605	42624866	Gmdrm	hypo	CG	-0.019
Gm04	42626810	42627048	Gmdrm	hypo	CG	-0.7954
Gm04	42630016	42630242	Gmdrm	hypo	CG	-0.6114
Gm04	42630407	42630815	Gmdrm	hypo	CG	-0.22
Gm04	42631321	42631641	Gmdrm	hypo	CG	-0.1047
Gm04	42631973	42632011	Gmdrm	hypo	CG	-0.735
Gm04	42656519	42656742	Gmdrm	hypo	CG	-0.0844
Gm04	42740252	42740378	Gmdrm	hypo	CG	-0.03
Gm04	42744561	42744996	Gmdrm	hypo	CG	-0.3355
Gm04	42745290	42745335	Gmdrm	hypo	CG	-0.6937
Gm04	42754135	42754340	Gmdrm	hypo	CG	-0.1065
Gm04	42765635	42765815	Gmdrm	hypo	CG	-0.375
Gm04	42784601	42784688	Gmdrm	hypo	CG	-0.8384
Gm04	42785857	42786000	Gmdrm	hypo	CG	-0.545
Gm04	42786191	42786346	Gmdrm	hypo	CG	-0.5142
Gm04	42786691	42787057	Gmdrm	hypo	CG	-0.7661
Gm04	42787214	42787541	Gmdrm	hypo	CG	-0.518
Gm04	42791881	42791922	Gmdrm	hypo	CG	-0.126
Gm04	42799388	42799482	Gmdrm	hypo	CG	-0.954
Gm04	42804011	42804280	Gmdrm	hypo	CG	-0.3508
Gm04	42836126	42836427	Gmdrm	hypo	CG	-0.4442
Gm04	42844836	42844897	Gmdrm	hypo	CG	-0.3626
Gm04	42846907	42847021	Gmdrm	hypo	CG	-0.429
Gm04	42847479	42847597	Gmdrm	hypo	CG	-0.8424
Gm04	42857966	42858004	Gmdrm	hypo	CG	-0.9283
Gm04	42858335	42858414	Gmdrm	hypo	CG	-0.958
Gm04	42865697	42865720	Gmdrm	hypo	CG	-0.0433
Gm04	42903294	42903441	Gmdrm	hypo	CG	-0.3143
Gm04	42908052	42908224	Gmdrm	hypo	CG	-0.0383
Gm04	42918841	42918852	Gmdrm	hypo	CG	-0.6
Gm04	42924024	42924261	Gmdrm	hypo	CG	-0.0355

Gm04	42970775	42970874	Gmdrm	hypo	CG	-0.335
Gm04	42975561	42975866	Gmdrm	hypo	CG	-0.1233
Gm04	42985692	42985838	Gmdrm	hypo	CG	-0.8887
Gm04	43008909	43009055	Gmdrm	hypo	CG	-0.3637
Gm04	43009566	43009719	Gmdrm	hypo	CG	-0.7943
Gm04	43034539	43034670	Gmdrm	hypo	CG	-0.614
Gm04	43034777	43034823	Gmdrm	hypo	CG	-0.2212
Gm04	43040739	43040818	Gmdrm	hypo	CG	-0.71
Gm04	43060368	43060586	Gmdrm	hypo	CG	-0.2308
Gm04	43065816	43066004	Gmdrm	hypo	CG	-0.8917
Gm04	43066634	43066728	Gmdrm	hypo	CG	-0.46
Gm04	43076395	43076582	Gmdrm	hypo	CG	-0.714
Gm04	43105957	43106230	Gmdrm	hypo	CG	-0.816
Gm04	43123716	43123865	Gmdrm	hypo	CG	-0.805
Gm04	43124331	43124375	Gmdrm	hypo	CG	-0.84
Gm04	43129988	43130136	Gmdrm	hypo	CG	-0.7163
Gm04	43130406	43130477	Gmdrm	hypo	CG	-0.9517
Gm04	43138007	43138115	Gmdrm	hypo	CG	-0.555
Gm04	43139303	43139749	Gmdrm	hypo	CG	-0.0955
Gm04	43141463	43141821	Gmdrm	hypo	CG	-0.3686
Gm04	43176971	43177205	Gmdrm	hypo	CG	-0.038
Gm04	43178030	43178351	Gmdrm	hypo	CG	-0.272
Gm04	43224002	43224152	Gmdrm	hypo	CG	-0.1311
Gm04	43265062	43265142	Gmdrm	hypo	CG	-0.531
Gm04	43265453	43265938	Gmdrm	hypo	CG	-0.6309
Gm04	43297291	43297367	Gmdrm	hypo	CG	-0.88
Gm04	43312155	43312230	Gmdrm	hypo	CG	-0.5637
Gm04	43315891	43316207	Gmdrm	hypo	CG	-0.6061
Gm04	43317119	43317180	Gmdrm	hypo	CG	-0.55
Gm04	43329349	43329578	Gmdrm	hypo	CG	-0.9077
Gm04	43393034	43393290	Gmdrm	hypo	CG	-0.5083
Gm04	43395352	43395490	Gmdrm	hypo	CG	-0.392
Gm04	43395685	43395741	Gmdrm	hypo	CG	-0.5438
Gm04	43398579	43398855	Gmdrm	hypo	CG	-0.0423
Gm04	43424549	43424607	Gmdrm	hypo	CG	-0.4983
Gm04	43447004	43447098	Gmdrm	hypo	CG	-0.71
Gm04	43452425	43452656	Gmdrm	hypo	CG	-0.9957
Gm04	43456954	43457257	Gmdrm	hypo	CG	-0.8105
Gm04	43469205	43469316	Gmdrm	hypo	CG	-0.0637
Gm04	43481409	43481556	Gmdrm	hypo	CG	-0.247
Gm04	43482215	43482374	Gmdrm	hypo	CG	-0.2478
Gm04	43482525	43482776	Gmdrm	hypo	CG	-0.54
Gm04	43494987	43495156	Gmdrm	hypo	CG	-0.1192
Gm04	43495664	43495898	Gmdrm	hypo	CG	-0.1607
Gm04	43498564	43498676	Gmdrm	hypo	CG	-0.9263
Gm04	43516309	43516551	Gmdrm	hypo	CG	-0.751

Gm04	43521124	43521646	Gmdrm	hypo	CG	-0.1637
Gm04	43523653	43523882	Gmdrm	hypo	CG	-0.75
Gm04	43530736	43530805	Gmdrm	hypo	CG	-0.9725
Gm04	43533109	43533273	Gmdrm	hypo	CG	-0.55
Gm04	43533613	43533707	Gmdrm	hypo	CG	-0.89
Gm04	43539453	43539774	Gmdrm	hypo	CG	-0.6996
Gm04	43546028	43546080	Gmdrm	hypo	CG	-0.927
Gm04	43556141	43556389	Gmdrm	hypo	CG	-0.0673
Gm04	43560025	43560233	Gmdrm	hypo	CG	-0.065
Gm04	43596939	43597254	Gmdrm	hypo	CG	-0.9534
Gm04	43597933	43598126	Gmdrm	hypo	CG	-0.7084
Gm04	43598233	43598386	Gmdrm	hypo	CG	-0.256
Gm04	43599033	43599152	Gmdrm	hypo	CG	-0.0787
Gm04	43651520	43651711	Gmdrm	hypo	CG	-0.0938
Gm04	43651903	43652208	Gmdrm	hypo	CG	-0.0337
Gm04	43656139	43656633	Gmdrm	hypo	CG	-0.1093
Gm04	43656972	43657101	Gmdrm	hypo	CG	-0.2849
Gm04	43659272	43659349	Gmdrm	hypo	CG	-0.1266
Gm04	43659882	43659895	Gmdrm	hypo	CG	-0.5133
Gm04	43661010	43661353	Gmdrm	hypo	CG	-0.0645
Gm04	43661967	43662030	Gmdrm	hypo	CG	-0.1233
Gm04	43663532	43663962	Gmdrm	hypo	CG	-0.525
Gm04	43664586	43664611	Gmdrm	hypo	CG	-0.7916
Gm04	43666024	43666506	Gmdrm	hypo	CG	-0.53
Gm04	43666729	43667167	Gmdrm	hypo	CG	-0.6645
Gm04	43673102	43673332	Gmdrm	hypo	CG	-0.6793
Gm04	43675351	43675397	Gmdrm	hypo	CG	-0.4675
Gm04	43676606	43676793	Gmdrm	hypo	CG	-0.806
Gm04	43676978	43677220	Gmdrm	hypo	CG	-0.5586
Gm04	43694804	43694943	Gmdrm	hypo	CG	-0.49
Gm04	43701948	43702305	Gmdrm	hypo	CG	-0.4151
Gm04	43702680	43702738	Gmdrm	hypo	CG	-0.16
Gm04	43732505	43732640	Gmdrm	hypo	CG	-0.4266
Gm04	43735143	43735306	Gmdrm	hypo	CG	-0.2211
Gm04	43741551	43741611	Gmdrm	hypo	CG	-0.9517
Gm04	43741727	43741790	Gmdrm	hypo	CG	-0.2072
Gm04	43741899	43742034	Gmdrm	hypo	CG	-0.1036
Gm04	43747745	43748037	Gmdrm	hypo	CG	-0.6583
Gm04	43807610	43807635	Gmdrm	hypo	CG	-0.6083
Gm04	43858142	43858252	Gmdrm	hypo	CG	-0.54
Gm04	43869352	43869503	Gmdrm	hypo	CG	-0.53
Gm04	43872757	43872816	Gmdrm	hypo	CG	-0.815
Gm04	43889618	43889780	Gmdrm	hypo	CG	-0.575
Gm04	43892864	43893667	Gmdrm	hypo	CG	-0.5803
Gm04	43897903	43897969	Gmdrm	hypo	CG	-0.8517
Gm04	43915637	43915781	Gmdrm	hypo	CG	-0.4439

Gm04	43916162	43916292	Gmdrm	hypo	CG	-0.1914
Gm04	43916440	43916565	Gmdrm	hypo	CG	-0.2675
Gm04	43932155	43932336	Gmdrm	hypo	CG	-0.12
Gm04	43957226	43957375	Gmdrm	hypo	CG	-0.3429
Gm04	43960469	43960526	Gmdrm	hypo	CG	-0.9367
Gm04	43960738	43960768	Gmdrm	hypo	CG	-0.5684
Gm04	43961786	43961809	Gmdrm	hypo	CG	-0.41
Gm04	43962036	43962122	Gmdrm	hypo	CG	-0.355
Gm04	43962483	43962554	Gmdrm	hypo	CG	-0.8084
Gm04	43990341	43990546	Gmdrm	hypo	CG	-0.385
Gm04	44020438	44020692	Gmdrm	hypo	CG	-0.1391
Gm04	44034762	44034980	Gmdrm	hypo	CG	-0.1154
Gm04	44049987	44050080	Gmdrm	hypo	CG	-0.9484
Gm04	44074259	44074308	Gmdrm	hypo	CG	-0.6967
Gm04	44081697	44081884	Gmdrm	hypo	CG	-0.2946
Gm04	44084379	44084444	Gmdrm	hypo	CG	-0.075
Gm04	44144322	44144636	Gmdrm	hypo	CG	-0.526
Gm04	44144868	44145033	Gmdrm	hypo	CG	-0.0963
Gm04	44150995	44151124	Gmdrm	hypo	CG	-0.2214
Gm04	44171153	44171175	Gmdrm	hypo	CG	-0.695
Gm04	44174263	44174398	Gmdrm	hypo	CG	-0.685
Gm04	44201834	44202001	Gmdrm	hypo	CG	-0.052
Gm04	44209369	44209512	Gmdrm	hypo	CG	-0.5562
Gm04	44210952	44211056	Gmdrm	hypo	CG	-0.032
Gm04	44220852	44220888	Gmdrm	hypo	CG	-0.1816
Gm04	44221411	44221593	Gmdrm	hypo	CG	-0.253
Gm04	44225934	44226461	Gmdrm	hypo	CG	-0.2982
Gm04	44238420	44238605	Gmdrm	hypo	CG	-0.0782
Gm04	44238763	44238966	Gmdrm	hypo	CG	-0.0708
Gm04	44246942	44247265	Gmdrm	hypo	CG	-0.055
Gm04	44247734	44247834	Gmdrm	hypo	CG	-0.395
Gm04	44282910	44283205	Gmdrm	hypo	CG	-0.6767
Gm04	44284267	44284570	Gmdrm	hypo	CG	-0.5968
Gm04	44292490	44292728	Gmdrm	hypo	CG	-0.3007
Gm04	44307562	44307726	Gmdrm	hypo	CG	-0.3937
Gm04	44308195	44308316	Gmdrm	hypo	CG	-0.14
Gm04	44308474	44308538	Gmdrm	hypo	CG	-0.105
Gm04	44309542	44309631	Gmdrm	hypo	CG	-0.1383
Gm04	44319393	44319715	Gmdrm	hypo	CG	-0.2395
Gm04	44322441	44322984	Gmdrm	hypo	CG	-0.07
Gm04	44326479	44326588	Gmdrm	hypo	CG	-0.091
Gm04	44345635	44345766	Gmdrm	hypo	CG	-0.4436
Gm04	44345980	44346066	Gmdrm	hypo	CG	-0.6343
Gm04	44346874	44346953	Gmdrm	hypo	CG	-0.6367
Gm04	44347157	44347231	Gmdrm	hypo	CG	-0.6966
Gm04	44351673	44351991	Gmdrm	hypo	CG	-0.5976

Gm04	44370099	44370186	Gmdrm	hypo	CG	-0.945
Gm04	44381001	44381058	Gmdrm	hypo	CG	-0.8067
Gm04	44381476	44381518	Gmdrm	hypo	CG	-0.3483
Gm04	44381898	44382041	Gmdrm	hypo	CG	-0.2241
Gm04	44392254	44392401	Gmdrm	hypo	CG	-0.8081
Gm04	44407627	44407673	Gmdrm	hypo	CG	-0.2787
Gm04	44424613	44424730	Gmdrm	hypo	CG	-0.6887
Gm04	44432392	44432558	Gmdrm	hypo	CG	-0.113
Gm04	44432792	44432914	Gmdrm	hypo	CG	-0.087
Gm04	44466700	44466794	Gmdrm	hypo	CG	-0.194
Gm04	44467715	44467779	Gmdrm	hypo	CG	-0.3183
Gm04	44467921	44468057	Gmdrm	hypo	CG	-0.5109
Gm04	44498670	44498734	Gmdrm	hypo	CG	-0.0684
Gm04	44499667	44499842	Gmdrm	hypo	CG	-0.7037
Gm04	44499968	44500068	Gmdrm	hypo	CG	-0.9375
Gm04	44524167	44524299	Gmdrm	hypo	CG	-0.038
Gm04	44615287	44615519	Gmdrm	hypo	CG	-0.6972
Gm04	44626690	44626757	Gmdrm	hypo	CG	-0.3786
Gm04	44639368	44639573	Gmdrm	hypo	CG	-0.7233
Gm04	44649403	44649505	Gmdrm	hypo	CG	-0.0537
Gm04	44653596	44653634	Gmdrm	hypo	CG	-0.215
Gm04	44662881	44662952	Gmdrm	hypo	CG	-0.9212
Gm04	44665083	44665173	Gmdrm	hypo	CG	-0.8087
Gm04	44670903	44671195	Gmdrm	hypo	CG	-0.12
Gm04	44681821	44682234	Gmdrm	hypo	CG	-0.2763
Gm04	44682366	44682483	Gmdrm	hypo	CG	-0.585
Gm04	44684444	44684590	Gmdrm	hypo	CG	-0.068
Gm04	44713799	44713909	Gmdrm	hypo	CG	-0.7083
Gm04	44741267	44741375	Gmdrm	hypo	CG	-0.7566
Gm04	44756470	44756723	Gmdrm	hypo	CG	-0.5136
Gm04	44757003	44757200	Gmdrm	hypo	CG	-0.642
Gm04	44769568	44770157	Gmdrm	hypo	CG	-0.3194
Gm04	44774403	44774564	Gmdrm	hypo	CG	-0.088
Gm04	44788629	44789109	Gmdrm	hypo	CG	-0.0355
Gm04	44797123	44797286	Gmdrm	hypo	CG	-0.7245
Gm04	44836384	44836399	Gmdrm	hypo	CG	-0.9366
Gm04	44839081	44839155	Gmdrm	hypo	CG	-0.855
Gm04	44847018	44847204	Gmdrm	hypo	CG	-0.032
Gm04	44860527	44860633	Gmdrm	hypo	CG	-0.765
Gm04	44860853	44860943	Gmdrm	hypo	CG	-0.8817
Gm04	44861112	44861331	Gmdrm	hypo	CG	-0.676
Gm04	44865782	44865893	Gmdrm	hypo	CG	-0.5599
Gm04	44872124	44872302	Gmdrm	hypo	CG	-0.2366
Gm04	44874609	44874668	Gmdrm	hypo	CG	-0.6716
Gm04	44876474	44876503	Gmdrm	hypo	CG	-0.186
Gm04	44876637	44876926	Gmdrm	hypo	CG	-0.2627

Gm04	44877326	44877726	Gmdrm	hypo	CG	-0.1191
Gm04	44884161	44884213	Gmdrm	hypo	CG	-0.4283
Gm04	44892483	44892599	Gmdrm	hypo	CG	-0.8225
Gm04	44902747	44903087	Gmdrm	hypo	CG	-0.8847
Gm04	44925539	44925905	Gmdrm	hypo	CG	-0.7705
Gm04	44932180	44932489	Gmdrm	hypo	CG	-0.5867
Gm04	44942011	44942320	Gmdrm	hypo	CG	-0.0923
Gm04	44943757	44943883	Gmdrm	hypo	CG	-0.4625
Gm04	44944706	44944827	Gmdrm	hypo	CG	-0.9384
Gm04	44949585	44949689	Gmdrm	hypo	CG	-0.9394
Gm04	44964403	44964642	Gmdrm	hypo	CG	-0.4382
Gm04	44969611	44969760	Gmdrm	hypo	CG	-0.8065
Gm04	44972475	44972790	Gmdrm	hypo	CG	-0.0757
Gm04	44978521	44978547	Gmdrm	hypo	CG	-0.9817
Gm04	44987288	44988284	Gmdrm	hypo	CG	-0.0911
Gm04	44997099	44997231	Gmdrm	hypo	CG	-0.9758
Gm04	45000846	45000919	Gmdrm	hypo	CG	-0.8875
Gm04	45001232	45001299	Gmdrm	hypo	CG	-0.8666
Gm04	45006196	45006304	Gmdrm	hypo	CG	-0.7838
Gm04	45022833	45022897	Gmdrm	hypo	CG	-0.7967
Gm04	45023020	45023357	Gmdrm	hypo	CG	-0.5183
Gm04	45033023	45033434	Gmdrm	hypo	CG	-0.0395
Gm04	45039817	45040248	Gmdrm	hypo	CG	-0.6055
Gm04	45136422	45136754	Gmdrm	hypo	CG	-0.173
Gm04	45157570	45157687	Gmdrm	hypo	CG	-0.9225
Gm04	45162074	45162347	Gmdrm	hypo	CG	-0.0355
Gm04	45212171	45212325	Gmdrm	hypo	CG	-0.1257
Gm04	45232188	45232252	Gmdrm	hypo	CG	-0.0466
Gm04	45242527	45242643	Gmdrm	hypo	CG	-0.458
Gm04	45248800	45248939	Gmdrm	hypo	CG	-0.0582
Gm04	45276557	45276570	Gmdrm	hypo	CG	-0.085
Gm04	45282590	45282753	Gmdrm	hypo	CG	-0.0413
Gm04	45289083	45289199	Gmdrm	hypo	CG	-0.8014
Gm04	45298888	45299188	Gmdrm	hypo	CG	-0.3708
Gm04	45300276	45300451	Gmdrm	hypo	CG	-0.945
Gm04	45309729	45309792	Gmdrm	hypo	CG	-0.93
Gm04	45310013	45310040	Gmdrm	hypo	CG	-0.9583
Gm04	45317657	45317792	Gmdrm	hypo	CG	-0.243
Gm04	45322347	45323265	Gmdrm	hypo	CG	-0.0512
Gm04	45330222	45330274	Gmdrm	hypo	CG	-0.8417
Gm04	45346270	45346358	Gmdrm	hypo	CG	-0.9417
Gm04	45361330	45361511	Gmdrm	hypo	CG	-0.046
Gm04	45369793	45369834	Gmdrm	hypo	CG	-0.138
Gm04	45376134	45376246	Gmdrm	hypo	CG	-0.42
Gm04	45380809	45381142	Gmdrm	hypo	CG	-0.7837
Gm04	45390640	45390744	Gmdrm	hypo	CG	-0.585

Gm04	45412277	45412453	Gmdrm	hypo	CG	-0.62
Gm04	45434081	45434133	Gmdrm	hypo	CG	-0.9567
Gm04	45434249	45434283	Gmdrm	hypo	CG	-0.806
Gm04	45458058	45458148	Gmdrm	hypo	CG	-0.8567
Gm04	45469799	45469865	Gmdrm	hypo	CG	-0.36
Gm04	45515740	45515816	Gmdrm	hypo	CG	-0.0333
Gm04	45552345	45552501	Gmdrm	hypo	CG	-0.817
Gm04	45561765	45561871	Gmdrm	hypo	CG	-0.7967
Gm04	45572346	45572485	Gmdrm	hypo	CG	-0.9713
Gm04	45573933	45574022	Gmdrm	hypo	CG	-0.575
Gm04	45598485	45598554	Gmdrm	hypo	CG	-0.0883
Gm04	45604382	45604501	Gmdrm	hypo	CG	-0.9188
Gm04	45621935	45622139	Gmdrm	hypo	CG	-0.3613
Gm04	45633016	45633094	Gmdrm	hypo	CG	-0.325
Gm04	45633335	45633471	Gmdrm	hypo	CG	-0.4388
Gm04	45636902	45636977	Gmdrm	hypo	CG	-0.135
Gm04	45638807	45638940	Gmdrm	hypo	CG	-0.3035
Gm04	45639223	45639340	Gmdrm	hypo	CG	-0.7517
Gm04	45639470	45639581	Gmdrm	hypo	CG	-0.605
Gm04	45649588	45649740	Gmdrm	hypo	CG	-0.1933
Gm04	45651139	45651243	Gmdrm	hypo	CG	-0.088
Gm04	45651497	45651710	Gmdrm	hypo	CG	-0.3165
Gm04	45696152	45696240	Gmdrm	hypo	CG	-0.5028
Gm04	45709990	45710144	Gmdrm	hypo	CG	-0.6487
Gm04	45712286	45712476	Gmdrm	hypo	CG	-0.8929
Gm04	45738448	45738557	Gmdrm	hypo	CG	-0.865
Gm04	45741528	45741575	Gmdrm	hypo	CG	-0.951
Gm04	45742658	45743013	Gmdrm	hypo	CG	-0.5189
Gm04	45745655	45745771	Gmdrm	hypo	CG	-0.0886
Gm04	45751208	45751294	Gmdrm	hypo	CG	-0.5
Gm04	45759044	45759144	Gmdrm	hypo	CG	-0.4066
Gm04	45776313	45776348	Gmdrm	hypo	CG	-0.8267
Gm04	45789564	45789693	Gmdrm	hypo	CG	-0.646
Gm04	45796417	45796620	Gmdrm	hypo	CG	-0.8007
Gm04	45835863	45835969	Gmdrm	hypo	CG	-0.4367
Gm04	45836298	45836374	Gmdrm	hypo	CG	-0.952
Gm04	45861878	45862139	Gmdrm	hypo	CG	-0.7541
Gm04	45862426	45862669	Gmdrm	hypo	CG	-0.635
Gm04	45865861	45866001	Gmdrm	hypo	CG	-0.9236
Gm04	45876914	45877023	Gmdrm	hypo	CG	-0.237
Gm04	45893441	45893492	Gmdrm	hypo	CG	-0.8367
Gm04	45894784	45894911	Gmdrm	hypo	CG	-0.03
Gm04	45895876	45896018	Gmdrm	hypo	CG	-0.5384
Gm04	45901626	45901953	Gmdrm	hypo	CG	-0.5668
Gm04	45918537	45918715	Gmdrm	hypo	CG	-0.845
Gm04	45923438	45923677	Gmdrm	hypo	CG	-0.0484

Gm04	45926508	45926676	Gmdrm	hypo	CG	-0.06
Gm04	45946525	45946734	Gmdrm	hypo	CG	-0.795
Gm04	45951040	45951112	Gmdrm	hypo	CG	-0.9675
Gm04	45965908	45966344	Gmdrm	hypo	CG	-0.4014
Gm04	45967742	45967797	Gmdrm	hypo	CG	-0.622
Gm04	45988929	45989142	Gmdrm	hypo	CG	-0.3031
Gm04	46000511	46000626	Gmdrm	hypo	CG	-0.1
Gm04	46009535	46009680	Gmdrm	hypo	CG	-0.8613
Gm04	46050347	46050456	Gmdrm	hypo	CG	-0.076
Gm04	46088387	46088550	Gmdrm	hypo	CG	-0.625
Gm04	46122696	46122813	Gmdrm	hypo	CG	-0.9438
Gm04	46136672	46136783	Gmdrm	hypo	CG	-0.9275
Gm04	46148032	46148376	Gmdrm	hypo	CG	-0.4134
Gm04	46150416	46150591	Gmdrm	hypo	CG	-0.7866
Gm04	46158296	46158341	Gmdrm	hypo	CG	-0.96
Gm04	46158490	46158584	Gmdrm	hypo	CG	-0.9583
Gm04	46170659	46170850	Gmdrm	hypo	CG	-0.3729
Gm04	46171380	46171501	Gmdrm	hypo	CG	-0.6883
Gm04	46183658	46183787	Gmdrm	hypo	CG	-0.839
Gm04	46196422	46196833	Gmdrm	hypo	CG	-0.07
Gm04	46211374	46211637	Gmdrm	hypo	CG	-0.716
Gm04	46230211	46230470	Gmdrm	hypo	CG	-0.0546
Gm04	46242105	46243093	Gmdrm	hypo	CG	-0.0679
Gm04	46243180	46243618	Gmdrm	hypo	CG	-0.3676
Gm04	46272348	46272443	Gmdrm	hypo	CG	-0.0483
Gm04	46277633	46277835	Gmdrm	hypo	CG	-0.515
Gm04	46277968	46278168	Gmdrm	hypo	CG	-0.5343
Gm04	46278964	46279054	Gmdrm	hypo	CG	-0.4012
Gm04	46279193	46279265	Gmdrm	hypo	CG	-0.3237
Gm04	46279543	46280291	Gmdrm	hypo	CG	-0.2392
Gm04	46283284	46283321	Gmdrm	hypo	CG	-0.0783
Gm04	46283768	46283859	Gmdrm	hypo	CG	-0.275
Gm04	46285228	46286210	Gmdrm	hypo	CG	-0.0319
Gm04	46297955	46298021	Gmdrm	hypo	CG	-0.1025
Gm04	46311209	46311858	Gmdrm	hypo	CG	-0.6616
Gm04	46339230	46339358	Gmdrm	hypo	CG	-0.0833
Gm04	46353117	46353231	Gmdrm	hypo	CG	-0.8283
Gm04	46356795	46356881	Gmdrm	hypo	CG	-0.9349
Gm04	46371692	46372068	Gmdrm	hypo	CG	-0.07
Gm04	46372616	46372826	Gmdrm	hypo	CG	-0.6105
Gm04	46376807	46376840	Gmdrm	hypo	CG	-0.945
Gm04	46381988	46382081	Gmdrm	hypo	CG	-0.134
Gm04	46386654	46386760	Gmdrm	hypo	CG	-0.1517
Gm04	46387982	46388164	Gmdrm	hypo	CG	-0.2413
Gm04	46396165	46396265	Gmdrm	hypo	CG	-0.9616
Gm04	46396429	46396727	Gmdrm	hypo	CG	-0.755

Gm04	46396829	46396842	Gmdrm	hypo	CG	-0.9516
Gm04	46397257	46397393	Gmdrm	hypo	CG	-0.8607
Gm04	46414370	46414454	Gmdrm	hypo	CG	-0.9125
Gm04	46414607	46415125	Gmdrm	hypo	CG	-0.855
Gm04	46415605	46415680	Gmdrm	hypo	CG	-0.1184
Gm04	46429096	46429240	Gmdrm	hypo	CG	-0.4118
Gm04	46446179	46446331	Gmdrm	hypo	CG	-0.5583
Gm04	46456800	46456944	Gmdrm	hypo	CG	-0.025
Gm04	46482676	46482893	Gmdrm	hypo	CG	-0.8419
Gm04	46496306	46496473	Gmdrm	hypo	CG	-0.9323
Gm04	46520196	46520487	Gmdrm	hypo	CG	-0.0256
Gm04	46535983	46536166	Gmdrm	hypo	CG	-0.361
Gm04	46536465	46536519	Gmdrm	hypo	CG	-0.9633
Gm04	46555833	46556197	Gmdrm	hypo	CG	-0.4978
Gm04	46558389	46558616	Gmdrm	hypo	CG	-0.295
Gm04	46559046	46559169	Gmdrm	hypo	CG	-0.3316
Gm04	46566443	46566519	Gmdrm	hypo	CG	-0.93
Gm04	46567675	46567761	Gmdrm	hypo	CG	-0.3383
Gm04	46569068	46569198	Gmdrm	hypo	CG	-0.2758
Gm04	46569417	46569633	Gmdrm	hypo	CG	-0.245
Gm04	46569852	46569928	Gmdrm	hypo	CG	-0.713
Gm04	46573401	46573534	Gmdrm	hypo	CG	-0.7133
Gm04	46585558	46585665	Gmdrm	hypo	CG	-0.9275
Gm04	46603886	46603971	Gmdrm	hypo	CG	-0.705
Gm04	46604659	46604747	Gmdrm	hypo	CG	-0.9634
Gm04	46636177	46636232	Gmdrm	hypo	CG	-0.6683
Gm04	46645293	46645644	Gmdrm	hypo	CG	-0.0223
Gm04	46673039	46673378	Gmdrm	hypo	CG	-0.5332
Gm04	46682433	46682576	Gmdrm	hypo	CG	-0.4857
Gm04	46707419	46707438	Gmdrm	hypo	CG	-0.94
Gm04	46725217	46725359	Gmdrm	hypo	CG	-0.475
Gm04	46734154	46734293	Gmdrm	hypo	CG	-0.48
Gm04	46759173	46759404	Gmdrm	hypo	CG	-0.785
Gm04	46762811	46763084	Gmdrm	hypo	CG	-0.4707
Gm04	46840087	46840290	Gmdrm	hypo	CG	-0.7544
Gm04	46850387	46850492	Gmdrm	hypo	CG	-0.805
Gm04	46855651	46855756	Gmdrm	hypo	CG	-0.6387
Gm04	46871416	46871460	Gmdrm	hypo	CG	-0.6414
Gm04	46886471	46886808	Gmdrm	hypo	CG	-0.4742
Gm04	46887252	46887332	Gmdrm	hypo	CG	-0.5083
Gm04	46898647	46898781	Gmdrm	hypo	CG	-0.9314
Gm04	46922515	46922622	Gmdrm	hypo	CG	-0.836
Gm04	46932178	46932213	Gmdrm	hypo	CG	-0.935
Gm04	46945812	46945921	Gmdrm	hypo	CG	-0.7364
Gm04	46961886	46962397	Gmdrm	hypo	CG	-0.8044
Gm04	46963352	46963583	Gmdrm	hypo	CG	-0.8643

Gm04	46977177	46977227	Gmdrm	hypo	CG	-0.07
Gm04	46977353	46977608	Gmdrm	hypo	CG	-0.8155
Gm04	46990848	46990883	Gmdrm	hypo	CG	-0.98
Gm04	47001660	47001727	Gmdrm	hypo	CG	-0.8883
Gm04	47001864	47001928	Gmdrm	hypo	CG	-0.4638
Gm04	47004819	47004968	Gmdrm	hypo	CG	-0.24
Gm04	47005470	47005679	Gmdrm	hypo	CG	-0.3793
Gm04	47016507	47016695	Gmdrm	hypo	CG	-0.5928
Gm04	47017543	47017624	Gmdrm	hypo	CG	-0.0933
Gm04	47023214	47023296	Gmdrm	hypo	CG	-0.9049
Gm04	47044435	47044466	Gmdrm	hypo	CG	-0.78
Gm04	47046906	47046983	Gmdrm	hypo	CG	-0.5312
Gm04	47092967	47093102	Gmdrm	hypo	CG	-0.95
Gm04	47096935	47097142	Gmdrm	hypo	CG	-0.5749
Gm04	47113323	47113475	Gmdrm	hypo	CG	-0.635
Gm04	47147956	47148585	Gmdrm	hypo	CG	-0.13
Gm04	47156774	47156991	Gmdrm	hypo	CG	-0.0314
Gm04	47176782	47176865	Gmdrm	hypo	CG	-0.7957
Gm04	47182420	47182631	Gmdrm	hypo	CG	-0.374
Gm04	47182754	47182937	Gmdrm	hypo	CG	-0.275
Gm04	47195948	47196316	Gmdrm	hypo	CG	-0.29
Gm04	47222067	47222235	Gmdrm	hypo	CG	-0.591
Gm04	47257453	47257559	Gmdrm	hypo	CG	-0.8383
Gm04	47280625	47280741	Gmdrm	hypo	CG	-0.857
Gm04	47294013	47294172	Gmdrm	hypo	CG	-0.6144
Gm04	47294370	47294597	Gmdrm	hypo	CG	-0.7085
Gm04	47295323	47295443	Gmdrm	hypo	CG	-0.925
Gm04	47300607	47301016	Gmdrm	hypo	CG	-0.14
Gm04	47301242	47301467	Gmdrm	hypo	CG	-0.104
Gm04	47323519	47323600	Gmdrm	hypo	CG	-0.0483
Gm04	47349224	47349247	Gmdrm	hypo	CG	-0.48
Gm04	47349467	47349657	Gmdrm	hypo	CG	-0.799
Gm04	47386391	47386522	Gmdrm	hypo	CG	-0.265
Gm04	47386944	47387159	Gmdrm	hypo	CG	-0.6816
Gm04	47389846	47389940	Gmdrm	hypo	CG	-0.6233
Gm04	47394978	47395067	Gmdrm	hypo	CG	-0.76
Gm04	47403076	47403252	Gmdrm	hypo	CG	-0.2715
Gm04	47420661	47420728	Gmdrm	hypo	CG	-0.935
Gm04	47437496	47437859	Gmdrm	hypo	CG	-0.3112
Gm04	47469491	47469564	Gmdrm	hypo	CG	-0.675
Gm04	47485128	47485251	Gmdrm	hypo	CG	-0.036
Gm04	47495152	47495416	Gmdrm	hypo	CG	-0.3673
Gm04	47499213	47499603	Gmdrm	hypo	CG	-0.2619
Gm04	47499709	47499788	Gmdrm	hypo	CG	-0.5867
Gm04	47520063	47520086	Gmdrm	hypo	CG	-0.4367
Gm04	47546584	47546768	Gmdrm	hypo	CG	-0.054

Gm04	47568221	47568467	Gmdrm	hypo	CG	-0.3566
Gm04	47568627	47568726	Gmdrm	hypo	CG	-0.62
Gm04	47571955	47572448	Gmdrm	hypo	CG	-0.6389
Gm04	47572990	47573038	Gmdrm	hypo	CG	-0.12
Gm04	47573539	47573587	Gmdrm	hypo	CG	-0.6817
Gm04	47603731	47603955	Gmdrm	hypo	CG	-0.7537
Gm04	47610073	47610444	Gmdrm	hypo	CG	-0.7594
Gm04	47610921	47611057	Gmdrm	hypo	CG	-0.1233
Gm04	47627478	47627729	Gmdrm	hypo	CG	-0.9589
Gm04	47651128	47651262	Gmdrm	hypo	CG	-0.7483
Gm04	47655074	47655196	Gmdrm	hypo	CG	-0.1006
Gm04	47656913	47656962	Gmdrm	hypo	CG	-0.848
Gm04	47657193	47657237	Gmdrm	hypo	CG	-0.9767
Gm04	47678749	47678920	Gmdrm	hypo	CG	-0.042
Gm04	47683391	47683587	Gmdrm	hypo	CG	-0.56
Gm04	47690123	47690264	Gmdrm	hypo	CG	-0.2671
Gm04	47690368	47690469	Gmdrm	hypo	CG	-0.4617
Gm04	47715168	47715330	Gmdrm	hypo	CG	-0.8033
Gm04	47715446	47715589	Gmdrm	hypo	CG	-0.5762
Gm04	47717436	47717650	Gmdrm	hypo	CG	-0.7925
Gm04	47735568	47735702	Gmdrm	hypo	CG	-0.144
Gm04	47738562	47738686	Gmdrm	hypo	CG	-0.913
Gm04	47752203	47752311	Gmdrm	hypo	CG	-0.8663
Gm04	47753257	47753405	Gmdrm	hypo	CG	-0.056
Gm04	47785603	47785767	Gmdrm	hypo	CG	-0.713
Gm04	47789956	47790219	Gmdrm	hypo	CG	-0.5837
Gm04	47798426	47798682	Gmdrm	hypo	CG	-0.6925
Gm04	47799357	47799627	Gmdrm	hypo	CG	-0.7633
Gm04	47800999	47801106	Gmdrm	hypo	CG	-0.5588
Gm04	47801222	47801426	Gmdrm	hypo	CG	-0.1585
Gm04	47802185	47802290	Gmdrm	hypo	CG	-0.8883
Gm04	47802418	47802470	Gmdrm	hypo	CG	-0.8133
Gm04	47802613	47802712	Gmdrm	hypo	CG	-0.914
Gm04	47808390	47808531	Gmdrm	hypo	CG	-0.8528
Gm04	47814892	47815021	Gmdrm	hypo	CG	-0.53
Gm04	47815227	47815410	Gmdrm	hypo	CG	-0.6108
Gm04	47854617	47854741	Gmdrm	hypo	CG	-0.9468
Gm04	47879234	47879282	Gmdrm	hypo	CG	-0.295
Gm04	47884443	47884552	Gmdrm	hypo	CG	-0.6287
Gm04	47884781	47884847	Gmdrm	hypo	CG	-0.5687
Gm04	47885124	47885476	Gmdrm	hypo	CG	-0.433
Gm04	47885731	47885991	Gmdrm	hypo	CG	-0.5983
Gm04	47920490	47920638	Gmdrm	hypo	CG	-0.8589
Gm04	47931563	47931659	Gmdrm	hypo	CG	-0.8774
Gm04	47947026	47947364	Gmdrm	hypo	CG	-0.5053
Gm04	47959496	47959847	Gmdrm	hypo	CG	-0.8689

Gm04	47980033	47980094	Gmdrm	hypo	CG	-0.145
Gm04	47980255	47980562	Gmdrm	hypo	CG	-0.3491
Gm04	48004607	48004953	Gmdrm	hypo	CG	-0.5295
Gm04	48010784	48010890	Gmdrm	hypo	CG	-0.757
Gm04	48017341	48017909	Gmdrm	hypo	CG	-0.0741
Gm04	48037686	48038009	Gmdrm	hypo	CG	-0.5562
Gm04	48044732	48044833	Gmdrm	hypo	CG	-0.5567
Gm04	48051385	48051530	Gmdrm	hypo	CG	-0.5062
Gm04	48054750	48054836	Gmdrm	hypo	CG	-0.8717
Gm04	48056791	48056985	Gmdrm	hypo	CG	-0.9133
Gm04	48148520	48149369	Gmdrm	hypo	CG	-0.0539
Gm04	48160990	48161191	Gmdrm	hypo	CG	-0.7512
Gm04	48162964	48163266	Gmdrm	hypo	CG	-0.33
Gm04	48163449	48163803	Gmdrm	hypo	CG	-0.375
Gm04	48175930	48176290	Gmdrm	hypo	CG	-0.0275
Gm04	48216143	48216686	Gmdrm	hypo	CG	-0.0566
Gm04	48231131	48231315	Gmdrm	hypo	CG	-0.898
Gm04	48281180	48281196	Gmdrm	hypo	CG	-0.0862
Gm04	48281332	48281650	Gmdrm	hypo	CG	-0.4379
Gm04	48300083	48300387	Gmdrm	hypo	CG	-0.6678
Gm04	48311535	48311755	Gmdrm	hypo	CG	-0.54
Gm04	48338192	48338500	Gmdrm	hypo	CG	-0.2067
Gm04	48338755	48339000	Gmdrm	hypo	CG	-0.7928
Gm04	48345171	48345272	Gmdrm	hypo	CG	-0.9579
Gm04	48345388	48345709	Gmdrm	hypo	CG	-0.9034
Gm04	48351063	48351285	Gmdrm	hypo	CG	-0.596
Gm04	48411110	48411255	Gmdrm	hypo	CG	-0.03
Gm04	48420054	48420392	Gmdrm	hypo	CG	-0.4384
Gm04	48424347	48424540	Gmdrm	hypo	CG	-0.044
Gm04	48460482	48460622	Gmdrm	hypo	CG	-0.5275
Gm04	48480752	48480899	Gmdrm	hypo	CG	-0.5412
Gm04	48481037	48481239	Gmdrm	hypo	CG	-0.3262
Gm04	48481549	48482050	Gmdrm	hypo	CG	-0.3145
Gm04	48486756	48486928	Gmdrm	hypo	CG	-0.6805
Gm04	48487176	48487446	Gmdrm	hypo	CG	-0.3275
Gm04	48487556	48487782	Gmdrm	hypo	CG	-0.448
Gm04	48490693	48491067	Gmdrm	hypo	CG	-0.1759
Gm04	48491520	48491802	Gmdrm	hypo	CG	-0.7962
Gm04	48494267	48494354	Gmdrm	hypo	CG	-0.7533
Gm04	48528285	48528596	Gmdrm	hypo	CG	-0.9563
Gm04	48539706	48539767	Gmdrm	hypo	CG	-0.0683
Gm04	48550012	48550066	Gmdrm	hypo	CG	-0.276
Gm04	48551534	48551796	Gmdrm	hypo	CG	-0.2467
Gm04	48551924	48552147	Gmdrm	hypo	CG	-0.42
Gm04	48560773	48560831	Gmdrm	hypo	CG	-0.4667
Gm04	48561065	48561164	Gmdrm	hypo	CG	-0.8683

Gm04	48567485	48567625	Gmdrm	hypo	CG	-0.2633
Gm04	48571645	48571737	Gmdrm	hypo	CG	-0.048
Gm04	48656942	48657162	Gmdrm	hypo	CG	-0.6181
Gm04	48657693	48657720	Gmdrm	hypo	CG	-0.9674
Gm04	48671835	48672005	Gmdrm	hypo	CG	-0.69
Gm04	48679271	48679367	Gmdrm	hypo	CG	-0.3
Gm04	48703230	48703325	Gmdrm	hypo	CG	-0.9217
Gm04	48712558	48712845	Gmdrm	hypo	CG	-0.9163
Gm04	48719127	48719232	Gmdrm	hypo	CG	-0.525
Gm04	48724350	48724397	Gmdrm	hypo	CG	-0.9034
Gm04	48726367	48726529	Gmdrm	hypo	CG	-0.8788
Gm04	48726638	48726997	Gmdrm	hypo	CG	-0.86
Gm04	48729455	48729662	Gmdrm	hypo	CG	-0.6325
Gm04	48746616	48746770	Gmdrm	hypo	CG	-0.965
Gm04	48805924	48806564	Gmdrm	hypo	CG	-0.0623
Gm04	48813017	48813087	Gmdrm	hypo	CG	-0.9001
Gm04	48839697	48839777	Gmdrm	hypo	CG	-0.4888
Gm04	48888518	48888751	Gmdrm	hypo	CG	-0.5271
Gm04	48897357	48897761	Gmdrm	hypo	CG	-0.595
Gm04	48898810	48898868	Gmdrm	hypo	CG	-0.9574
Gm04	48901615	48901734	Gmdrm	hypo	CG	-0.8658
Gm04	48941287	48941350	Gmdrm	hypo	CG	-0.935
Gm04	48941489	48941583	Gmdrm	hypo	CG	-0.8983
Gm04	48973985	48974122	Gmdrm	hypo	CG	-0.1294
Gm04	48974380	48974529	Gmdrm	hypo	CG	-0.665
Gm04	48983761	48984266	Gmdrm	hypo	CG	-0.1014
Gm04	48987369	48987542	Gmdrm	hypo	CG	-0.1017
Gm04	48990615	48990638	Gmdrm	hypo	CG	-0.8116
Gm04	49004793	49004953	Gmdrm	hypo	CG	-0.445
Gm04	49029816	49030030	Gmdrm	hypo	CG	-0.0417
Gm04	49052873	49053176	Gmdrm	hypo	CG	-0.3686
Gm04	49141948	49142297	Gmdrm	hypo	CG	-0.8686
Gm04	49163583	49163713	Gmdrm	hypo	CG	-0.1559
Gm04	49237785	49238024	Gmdrm	hypo	CG	-0.356
Gm04	49261856	49262128	Gmdrm	hypo	CG	-0.8521
Gm04	49283773	49283926	Gmdrm	hypo	CG	-0.8843
Gm04	49291864	49292163	Gmdrm	hypo	CG	-0.3979
Gm04	49292438	49292629	Gmdrm	hypo	CG	-0.1962
Gm04	49293625	49293765	Gmdrm	hypo	CG	-0.759
Gm04	49295322	49295489	Gmdrm	hypo	CG	-0.3375
Gm04	49295620	49295847	Gmdrm	hypo	CG	-0.7313
Gm04	49311842	49311869	Gmdrm	hypo	CG	-0.5584
Gm04	49331229	49331674	Gmdrm	hypo	CG	-0.049
Gm04	49421912	49421977	Gmdrm	hypo	CG	-0.5566
Gm04	49422759	49422824	Gmdrm	hypo	CG	-0.962
Gm04	49423838	49423906	Gmdrm	hypo	CG	-0.96

Gm04	49443176	49443687	Gmdrm	hypo	CG	-0.3942
Gm04	49456869	49456997	Gmdrm	hypo	CG	-0.695
Gm04	49487640	49487749	Gmdrm	hypo	CG	-0.8416
Gm04	49510097	49510239	Gmdrm	hypo	CG	-0.2827
Gm04	49511004	49511166	Gmdrm	hypo	CG	-0.592
Gm04	49512020	49512173	Gmdrm	hypo	CG	-0.6938
Gm04	49517183	49517283	Gmdrm	hypo	CG	-0.122
Gm04	49523755	49523905	Gmdrm	hypo	CG	-0.4056
Gm04	49539814	49540047	Gmdrm	hypo	CG	-0.9133
Gm04	49612157	49612465	Gmdrm	hypo	CG	-0.9321
Gm04	49651652	49652103	Gmdrm	hypo	CG	-0.3379
Gm04	49653049	49653261	Gmdrm	hypo	CG	-0.2108
Gm04	49667712	49668042	Gmdrm	hypo	CG	-0.368
Gm04	49668144	49668531	Gmdrm	hypo	CG	-0.628
Gm04	49689703	49689820	Gmdrm	hypo	CG	-0.2175
Gm04	49722593	49722740	Gmdrm	hypo	CG	-0.9058
Gm04	49723191	49723283	Gmdrm	hypo	CG	-0.3236
Gm04	49751520	49751960	Gmdrm	hypo	CG	-0.631
Gm04	49756558	49756680	Gmdrm	hypo	CG	-0.9286
Gm04	49760301	49760524	Gmdrm	hypo	CG	-0.8313
Gm04	49768927	49769163	Gmdrm	hypo	CG	-0.7213
Gm04	49784182	49784356	Gmdrm	hypo	CG	-0.8086
Gm04	49798516	49798872	Gmdrm	hypo	CG	-0.2304
Gm04	49799490	49799622	Gmdrm	hypo	CG	-0.5438
Gm04	49799913	49800202	Gmdrm	hypo	CG	-0.9271
Gm04	49804230	49804561	Gmdrm	hypo	CG	-0.6544
Gm04	49805747	49805789	Gmdrm	hypo	CG	-0.3611
Gm04	49834324	49834429	Gmdrm	hypo	CG	-0.045
Gm04	49839325	49839404	Gmdrm	hypo	CG	-0.1688
Gm04	49844496	49844878	Gmdrm	hypo	CG	-0.0279
Gm04	49858934	49859245	Gmdrm	hypo	CG	-0.4447
Gm04	49860207	49860290	Gmdrm	hypo	CG	-0.9633
Gm04	49860416	49860529	Gmdrm	hypo	CG	-0.83
Gm04	49864254	49864690	Gmdrm	hypo	CG	-0.6472
Gm04	49867303	49867398	Gmdrm	hypo	CG	-0.8613
Gm04	49867585	49867777	Gmdrm	hypo	CG	-0.8371
Gm04	49870869	49871070	Gmdrm	hypo	CG	-0.2756
Gm04	49873601	49873681	Gmdrm	hypo	CG	-0.036
Gm04	49880274	49880355	Gmdrm	hypo	CG	-0.6433
Gm04	49899157	49899462	Gmdrm	hypo	CG	-0.54
Gm04	49900456	49900581	Gmdrm	hypo	CG	-0.1165
Gm04	49900685	49900814	Gmdrm	hypo	CG	-0.358
Gm04	49913216	49913411	Gmdrm	hypo	CG	-0.04
Gm04	49913990	49914002	Gmdrm	hypo	CG	-0.256
Gm04	49914172	49914256	Gmdrm	hypo	CG	-0.454
Gm04	49916219	49916814	Gmdrm	hypo	CG	-0.2673

Gm04	49918336	49918490	Gmdrm	hypo	CG	-0.2142
Gm04	49953837	49953974	Gmdrm	hypo	CG	-0.0833
Gm04	49982453	49982485	Gmdrm	hypo	CG	-0.435
Gm04	49987607	49987934	Gmdrm	hypo	CG	-0.7975
Gm04	49999881	50000036	Gmdrm	hypo	CG	-0.865
Gm04	50000537	50000573	Gmdrm	hypo	CG	-0.8183
Gm04	50008303	50008662	Gmdrm	hypo	CG	-0.0319
Gm04	50014609	50014849	Gmdrm	hypo	CG	-0.0407
Gm04	50014965	50015020	Gmdrm	hypo	CG	-0.365
Gm04	50018728	50019140	Gmdrm	hypo	CG	-0.4891
Gm04	50019246	50019501	Gmdrm	hypo	CG	-0.7206
Gm04	50027182	50027237	Gmdrm	hypo	CG	-0.81
Gm04	50031104	50031259	Gmdrm	hypo	CG	-0.9359
Gm04	50035239	50035387	Gmdrm	hypo	CG	-0.6625
Gm04	50035847	50035914	Gmdrm	hypo	CG	-0.3617
Gm04	50036908	50037117	Gmdrm	hypo	CG	-0.125
Gm04	50044405	50044500	Gmdrm	hypo	CG	-0.245
Gm04	50061925	50062156	Gmdrm	hypo	CG	-0.024
Gm04	50133354	50133849	Gmdrm	hypo	CG	-0.0646
Gm04	50137359	50137557	Gmdrm	hypo	CG	-0.6079
Gm04	50151688	50151792	Gmdrm	hypo	CG	-0.6229
Gm04	50162238	50162445	Gmdrm	hypo	CG	-0.8663
Gm04	50177178	50177402	Gmdrm	hypo	CG	-0.9257
Gm04	50184047	50184156	Gmdrm	hypo	CG	-0.9
Gm04	50196854	50196964	Gmdrm	hypo	CG	-0.068
Gm04	50218718	50219083	Gmdrm	hypo	CG	-0.7188
Gm04	50279882	50279969	Gmdrm	hypo	CG	-0.838
Gm04	50305923	50306118	Gmdrm	hypo	CG	-0.8987
Gm04	50343035	50343162	Gmdrm	hypo	CG	-0.655
Gm04	50355925	50356216	Gmdrm	hypo	CG	-0.0291
Gm04	50380968	50381101	Gmdrm	hypo	CG	-0.6713
Gm04	50436537	50436652	Gmdrm	hypo	CG	-0.7425
Gm04	50436930	50437159	Gmdrm	hypo	CG	-0.6165
Gm04	50437378	50437523	Gmdrm	hypo	CG	-0.052
Gm04	50443162	50443335	Gmdrm	hypo	CG	-0.75
Gm04	50456230	50456352	Gmdrm	hypo	CG	-0.0437
Gm04	50456560	50457002	Gmdrm	hypo	CG	-0.2982
Gm04	50458593	50459025	Gmdrm	hypo	CG	-0.5119
Gm04	50474814	50474969	Gmdrm	hypo	CG	-0.58
Gm04	50494121	50494216	Gmdrm	hypo	CG	-0.8588
Gm04	50514716	50514791	Gmdrm	hypo	CG	-0.64
Gm04	50581643	50581901	Gmdrm	hypo	CG	-0.0412
Gm04	50593779	50594152	Gmdrm	hypo	CG	-0.0328
Gm04	50610245	50610541	Gmdrm	hypo	CG	-0.3194
Gm04	50610711	50610888	Gmdrm	hypo	CG	-0.7545
Gm04	50629410	50629440	Gmdrm	hypo	CG	-0.7

Gm04	50655699	50656097	Gmdrm	hypo	CG	-0.2423
Gm04	50674654	50674786	Gmdrm	hypo	CG	-0.7414
Gm04	50674889	50675123	Gmdrm	hypo	CG	-0.6191
Gm04	50680267	50680585	Gmdrm	hypo	CG	-0.9077
Gm04	50698484	50698526	Gmdrm	hypo	CG	-0.9417
Gm04	50712985	50713172	Gmdrm	hypo	CG	-0.5208
Gm04	50720622	50720743	Gmdrm	hypo	CG	-0.0314
Gm04	50735867	50735940	Gmdrm	hypo	CG	-0.8925
Gm04	50738325	50738735	Gmdrm	hypo	CG	-0.0404
Gm04	50771765	50771907	Gmdrm	hypo	CG	-0.9409
Gm04	50832803	50833001	Gmdrm	hypo	CG	-0.035
Gm04	50844138	50844256	Gmdrm	hypo	CG	-0.9538
Gm04	50880431	50880542	Gmdrm	hypo	CG	-0.62
Gm04	50898040	50898179	Gmdrm	hypo	CG	-0.9567
Gm04	50898809	50899214	Gmdrm	hypo	CG	-0.6159
Gm04	50980782	50981064	Gmdrm	hypo	CG	-0.0529
Gm04	50984310	50984617	Gmdrm	hypo	CG	-0.0431
Gm04	50990976	50991189	Gmdrm	hypo	CG	-0.831
Gm04	51027901	51028676	Gmdrm	hypo	CG	-0.1276
Gm04	51042311	51042350	Gmdrm	hypo	CG	-0.2217
Gm04	51044173	51044291	Gmdrm	hypo	CG	-0.5884
Gm04	51074542	51074773	Gmdrm	hypo	CG	-0.6783
Gm04	51082272	51082434	Gmdrm	hypo	CG	-0.5175
Gm04	51097247	51097348	Gmdrm	hypo	CG	-0.61
Gm04	51097460	51097710	Gmdrm	hypo	CG	-0.8817
Gm04	51108547	51108636	Gmdrm	hypo	CG	-0.665
Gm04	51108846	51108949	Gmdrm	hypo	CG	-0.896
Gm04	51111424	51111674	Gmdrm	hypo	CG	-0.2579
Gm04	51113731	51113781	Gmdrm	hypo	CG	-0.3658
Gm04	51114742	51115015	Gmdrm	hypo	CG	-0.573
Gm04	51119371	51119509	Gmdrm	hypo	CG	-0.5729
Gm04	51131243	51131630	Gmdrm	hypo	CG	-0.1735
Gm04	51132051	51132140	Gmdrm	hypo	CG	-0.34
Gm04	51165448	51165730	Gmdrm	hypo	CG	-0.9516
Gm04	51170386	51170425	Gmdrm	hypo	CG	-0.065
Gm04	51179286	51179554	Gmdrm	hypo	CG	-0.6832
Gm04	51181793	51182185	Gmdrm	hypo	CG	-0.0364
Gm04	51184653	51184907	Gmdrm	hypo	CG	-0.0522
Gm05	9685	9874	Gmdrm	hypo	CG	-0.0566
Gm05	20574	20851	Gmdrm	hypo	CG	-0.57
Gm05	30990	31082	Gmdrm	hypo	CG	-0.155
Gm05	31193	31280	Gmdrm	hypo	CG	-0.1762
Gm05	37596	37631	Gmdrm	hypo	CG	-0.1034
Gm05	69290	69507	Gmdrm	hypo	CG	-0.485
Gm05	82034	82129	Gmdrm	hypo	CG	-0.07
Gm05	83059	83559	Gmdrm	hypo	CG	-0.2805

Gm05	101857	102225 Gmdrm	hypo	CG	-0.8704
Gm05	102338	102594 Gmdrm	hypo	CG	-0.7945
Gm05	108042	108142 Gmdrm	hypo	CG	-0.0671
Gm05	109341	109792 Gmdrm	hypo	CG	-0.2512
Gm05	144549	144600 Gmdrm	hypo	CG	-0.49
Gm05	160578	160726 Gmdrm	hypo	CG	-0.511
Gm05	190817	190926 Gmdrm	hypo	CG	-0.782
Gm05	208044	208499 Gmdrm	hypo	CG	-0.5986
Gm05	221639	221748 Gmdrm	hypo	CG	-0.415
Gm05	227002	227113 Gmdrm	hypo	CG	-0.5387
Gm05	232825	232924 Gmdrm	hypo	CG	-0.8
Gm05	278506	278711 Gmdrm	hypo	CG	-0.7563
Gm05	280317	280734 Gmdrm	hypo	CG	-0.0578
Gm05	288145	288276 Gmdrm	hypo	CG	-0.6733
Gm05	302991	303140 Gmdrm	hypo	CG	-0.0313
Gm05	304550	305161 Gmdrm	hypo	CG	-0.4864
Gm05	352405	352501 Gmdrm	hypo	CG	-0.17
Gm05	357623	357724 Gmdrm	hypo	CG	-0.4186
Gm05	362223	362298 Gmdrm	hypo	CG	-0.9125
Gm05	422039	422152 Gmdrm	hypo	CG	-0.8334
Gm05	515593	515860 Gmdrm	hypo	CG	-0.6133
Gm05	542036	542268 Gmdrm	hypo	CG	-0.6536
Gm05	546606	546773 Gmdrm	hypo	CG	-0.2492
Gm05	547601	547876 Gmdrm	hypo	CG	-0.2878
Gm05	551690	552101 Gmdrm	hypo	CG	-0.122
Gm05	596571	596868 Gmdrm	hypo	CG	-0.7882
Gm05	630229	630558 Gmdrm	hypo	CG	-0.1422
Gm05	678923	678954 Gmdrm	hypo	CG	-0.3583
Gm05	696912	696943 Gmdrm	hypo	CG	-0.05
Gm05	705427	705542 Gmdrm	hypo	CG	-0.862
Gm05	733098	733604 Gmdrm	hypo	CG	-0.8438
Gm05	733843	734156 Gmdrm	hypo	CG	-0.6377
Gm05	737264	737443 Gmdrm	hypo	CG	-0.0515
Gm05	764771	765272 Gmdrm	hypo	CG	-0.765
Gm05	776392	776468 Gmdrm	hypo	CG	-0.765
Gm05	805318	806046 Gmdrm	hypo	CG	-0.218
Gm05	808412	808528 Gmdrm	hypo	CG	-0.284
Gm05	813706	814004 Gmdrm	hypo	CG	-0.9312
Gm05	814389	814411 Gmdrm	hypo	CG	-0.07
Gm05	814566	814699 Gmdrm	hypo	CG	-0.768
Gm05	828369	828455 Gmdrm	hypo	CG	-0.55
Gm05	830323	830363 Gmdrm	hypo	CG	-0.3117
Gm05	869466	869665 Gmdrm	hypo	CG	-0.3267
Gm05	902754	903075 Gmdrm	hypo	CG	-0.0387
Gm05	908634	908707 Gmdrm	hypo	CG	-0.2334
Gm05	950883	950983 Gmdrm	hypo	CG	-0.9783

Gm05	964777	964845 Gmdrm	hypo	CG	-0.955
Gm05	972868	973017 Gmdrm	hypo	CG	-0.9012
Gm05	988321	988557 Gmdrm	hypo	CG	-0.662
Gm05	1012093	1012298 Gmdrm	hypo	CG	-0.058
Gm05	1013044	1013257 Gmdrm	hypo	CG	-0.5559
Gm05	1014424	1014554 Gmdrm	hypo	CG	-0.7942
Gm05	1022090	1022275 Gmdrm	hypo	CG	-0.03
Gm05	1081382	1081426 Gmdrm	hypo	CG	-0.2517
Gm05	1081591	1081636 Gmdrm	hypo	CG	-0.2725
Gm05	1114932	1115004 Gmdrm	hypo	CG	-0.5375
Gm05	1118262	1118485 Gmdrm	hypo	CG	-0.8084
Gm05	1122926	1122985 Gmdrm	hypo	CG	-0.24
Gm05	1129764	1129857 Gmdrm	hypo	CG	-0.855
Gm05	1135683	1135843 Gmdrm	hypo	CG	-0.517
Gm05	1138573	1138716 Gmdrm	hypo	CG	-0.8475
Gm05	1138845	1139264 Gmdrm	hypo	CG	-0.808
Gm05	1144351	1144456 Gmdrm	hypo	CG	-0.034
Gm05	1150269	1150350 Gmdrm	hypo	CG	-0.7913
Gm05	1153851	1154057 Gmdrm	hypo	CG	-0.945
Gm05	1231807	1231865 Gmdrm	hypo	CG	-0.9034
Gm05	1256016	1256322 Gmdrm	hypo	CG	-0.445
Gm05	1277964	1278000 Gmdrm	hypo	CG	-0.0784
Gm05	1297977	1298287 Gmdrm	hypo	CG	-0.045
Gm05	1315215	1315293 Gmdrm	hypo	CG	-0.7383
Gm05	1321470	1321833 Gmdrm	hypo	CG	-0.8604
Gm05	1322235	1322675 Gmdrm	hypo	CG	-0.5
Gm05	1328102	1328223 Gmdrm	hypo	CG	-0.385
Gm05	1378757	1378888 Gmdrm	hypo	CG	-0.7337
Gm05	1405547	1405668 Gmdrm	hypo	CG	-0.668
Gm05	1430617	1430822 Gmdrm	hypo	CG	-0.7438
Gm05	1444290	1444309 Gmdrm	hypo	CG	-0.1267
Gm05	1479803	1479911 Gmdrm	hypo	CG	-0.062
Gm05	1504615	1504892 Gmdrm	hypo	CG	-0.5746
Gm05	1508988	1509052 Gmdrm	hypo	CG	-0.2475
Gm05	1517746	1517864 Gmdrm	hypo	CG	-0.1622
Gm05	1532202	1532227 Gmdrm	hypo	CG	-0.3133
Gm05	1556588	1556898 Gmdrm	hypo	CG	-0.9371
Gm05	1567510	1567695 Gmdrm	hypo	CG	-0.85
Gm05	1567902	1568033 Gmdrm	hypo	CG	-0.619
Gm05	1584855	1585161 Gmdrm	hypo	CG	-0.0514
Gm05	1586469	1586699 Gmdrm	hypo	CG	-0.9133
Gm05	1615496	1615742 Gmdrm	hypo	CG	-0.1036
Gm05	1616610	1616839 Gmdrm	hypo	CG	-0.7763
Gm05	1627075	1627335 Gmdrm	hypo	CG	-0.6875
Gm05	1653425	1653660 Gmdrm	hypo	CG	-0.74
Gm05	1657769	1658004 Gmdrm	hypo	CG	-0.3433

Gm05	1675740	1675834	Gmdrm	hypo	CG	-0.9833
Gm05	1708494	1708685	Gmdrm	hypo	CG	-0.651
Gm05	1737625	1737916	Gmdrm	hypo	CG	-0.7356
Gm05	1738025	1738111	Gmdrm	hypo	CG	-0.862
Gm05	1779400	1779578	Gmdrm	hypo	CG	-0.827
Gm05	1792013	1792036	Gmdrm	hypo	CG	-0.0417
Gm05	1827170	1827320	Gmdrm	hypo	CG	-0.645
Gm05	1831654	1832083	Gmdrm	hypo	CG	-0.5014
Gm05	1869925	1870568	Gmdrm	hypo	CG	-0.5242
Gm05	1870719	1870892	Gmdrm	hypo	CG	-0.8042
Gm05	1871610	1871815	Gmdrm	hypo	CG	-0.7894
Gm05	1903292	1903537	Gmdrm	hypo	CG	-0.1134
Gm05	1934998	1935042	Gmdrm	hypo	CG	-0.795
Gm05	1935310	1935705	Gmdrm	hypo	CG	-0.6655
Gm05	1940345	1940873	Gmdrm	hypo	CG	-0.4874
Gm05	1950954	1951085	Gmdrm	hypo	CG	-0.8567
Gm05	1962778	1962878	Gmdrm	hypo	CG	-0.68
Gm05	1970187	1970219	Gmdrm	hypo	CG	-0.835
Gm05	1971772	1971987	Gmdrm	hypo	CG	-0.7877
Gm05	2019176	2019323	Gmdrm	hypo	CG	-0.1333
Gm05	2019810	2019962	Gmdrm	hypo	CG	-0.1563
Gm05	2020200	2020406	Gmdrm	hypo	CG	-0.1514
Gm05	2020580	2020815	Gmdrm	hypo	CG	-0.2519
Gm05	2020916	2021046	Gmdrm	hypo	CG	-0.6825
Gm05	2060026	2060122	Gmdrm	hypo	CG	-0.64
Gm05	2060473	2060675	Gmdrm	hypo	CG	-0.6489
Gm05	2063831	2063869	Gmdrm	hypo	CG	-0.8184
Gm05	2073412	2073429	Gmdrm	hypo	CG	-0.9634
Gm05	2074166	2074453	Gmdrm	hypo	CG	-0.9769
Gm05	2077981	2078007	Gmdrm	hypo	CG	-0.05
Gm05	2094317	2094629	Gmdrm	hypo	CG	-0.5372
Gm05	2140502	2140804	Gmdrm	hypo	CG	-0.0397
Gm05	2175038	2175105	Gmdrm	hypo	CG	-0.6567
Gm05	2196386	2196653	Gmdrm	hypo	CG	-0.32
Gm05	2245365	2245491	Gmdrm	hypo	CG	-0.641
Gm05	2254921	2255181	Gmdrm	hypo	CG	-0.0945
Gm05	2256222	2256371	Gmdrm	hypo	CG	-0.1762
Gm05	2256868	2257266	Gmdrm	hypo	CG	-0.3496
Gm05	2266890	2267088	Gmdrm	hypo	CG	-0.04
Gm05	2271126	2271191	Gmdrm	hypo	CG	-0.8866
Gm05	2282773	2282892	Gmdrm	hypo	CG	-0.959
Gm05	2295223	2295532	Gmdrm	hypo	CG	-0.6294
Gm05	2323427	2323613	Gmdrm	hypo	CG	-0.032
Gm05	2345005	2345177	Gmdrm	hypo	CG	-0.84
Gm05	2352435	2352626	Gmdrm	hypo	CG	-0.2633
Gm05	2373074	2373331	Gmdrm	hypo	CG	-0.5622

Gm05	2376730	2376946	Gmdrm	hypo	CG	-0.866
Gm05	2383996	2384162	Gmdrm	hypo	CG	-0.39
Gm05	2384308	2384383	Gmdrm	hypo	CG	-0.63
Gm05	2386814	2386956	Gmdrm	hypo	CG	-0.885
Gm05	2420547	2420621	Gmdrm	hypo	CG	-0.2978
Gm05	2424357	2424550	Gmdrm	hypo	CG	-0.6407
Gm05	2424898	2425089	Gmdrm	hypo	CG	-0.1033
Gm05	2425289	2425839	Gmdrm	hypo	CG	-0.0326
Gm05	2426013	2426081	Gmdrm	hypo	CG	-0.562
Gm05	2441161	2441266	Gmdrm	hypo	CG	-0.05
Gm05	2472218	2472275	Gmdrm	hypo	CG	-0.08
Gm05	2490285	2490336	Gmdrm	hypo	CG	-0.9525
Gm05	2491131	2491294	Gmdrm	hypo	CG	-0.9545
Gm05	2501296	2501546	Gmdrm	hypo	CG	-0.5422
Gm05	2501942	2501998	Gmdrm	hypo	CG	-0.9187
Gm05	2514994	2515074	Gmdrm	hypo	CG	-0.474
Gm05	2525213	2525356	Gmdrm	hypo	CG	-0.074
Gm05	2525990	2526092	Gmdrm	hypo	CG	-0.8816
Gm05	2565355	2565523	Gmdrm	hypo	CG	-0.2683
Gm05	2575644	2575813	Gmdrm	hypo	CG	-0.54
Gm05	2575947	2576073	Gmdrm	hypo	CG	-0.575
Gm05	2588400	2588550	Gmdrm	hypo	CG	-0.03
Gm05	2601753	2601831	Gmdrm	hypo	CG	-0.9467
Gm05	2602282	2602535	Gmdrm	hypo	CG	-0.823
Gm05	2641167	2641223	Gmdrm	hypo	CG	-0.5067
Gm05	2662535	2662713	Gmdrm	hypo	CG	-0.0825
Gm05	2688651	2688811	Gmdrm	hypo	CG	-0.7927
Gm05	2704107	2704172	Gmdrm	hypo	CG	-0.92
Gm05	2705829	2706225	Gmdrm	hypo	CG	-0.129
Gm05	2717682	2717872	Gmdrm	hypo	CG	-0.9549
Gm05	2762662	2762915	Gmdrm	hypo	CG	-0.0414
Gm05	2789491	2789547	Gmdrm	hypo	CG	-0.4288
Gm05	2811339	2811465	Gmdrm	hypo	CG	-0.818
Gm05	2831161	2831245	Gmdrm	hypo	CG	-0.375
Gm05	2859625	2859664	Gmdrm	hypo	CG	-0.91
Gm05	2864662	2864745	Gmdrm	hypo	CG	-0.0716
Gm05	2874840	2874939	Gmdrm	hypo	CG	-0.385
Gm05	2880035	2880270	Gmdrm	hypo	CG	-0.434
Gm05	2887029	2887130	Gmdrm	hypo	CG	-0.064
Gm05	2887707	2887997	Gmdrm	hypo	CG	-0.4509
Gm05	2891375	2891558	Gmdrm	hypo	CG	-0.675
Gm05	2904061	2904629	Gmdrm	hypo	CG	-0.7552
Gm05	2904765	2904991	Gmdrm	hypo	CG	-0.04
Gm05	2913741	2913870	Gmdrm	hypo	CG	-0.7983
Gm05	2914442	2914507	Gmdrm	hypo	CG	-0.91
Gm05	2917230	2917556	Gmdrm	hypo	CG	-0.588

Gm05	2917863	2917921	Gmdrm	hypo	CG	-0.5699
Gm05	2921057	2921352	Gmdrm	hypo	CG	-0.0528
Gm05	2922627	2922655	Gmdrm	hypo	CG	-0.385
Gm05	2924022	2924108	Gmdrm	hypo	CG	-0.9871
Gm05	2933804	2933841	Gmdrm	hypo	CG	-0.9066
Gm05	2975127	2976008	Gmdrm	hypo	CG	-0.0318
Gm05	2982931	2983150	Gmdrm	hypo	CG	-0.406
Gm05	2991739	2991826	Gmdrm	hypo	CG	-0.7685
Gm05	3014100	3014266	Gmdrm	hypo	CG	-0.9
Gm05	3015063	3015354	Gmdrm	hypo	CG	-0.6395
Gm05	3023232	3023274	Gmdrm	hypo	CG	-0.2637
Gm05	3046992	3047259	Gmdrm	hypo	CG	-0.918
Gm05	3054282	3054542	Gmdrm	hypo	CG	-0.802
Gm05	3057984	3058197	Gmdrm	hypo	CG	-0.064
Gm05	3080426	3080487	Gmdrm	hypo	CG	-0.0472
Gm05	3080993	3081284	Gmdrm	hypo	CG	-0.1722
Gm05	3087486	3087656	Gmdrm	hypo	CG	-0.7638
Gm05	3096849	3097116	Gmdrm	hypo	CG	-0.747
Gm05	3113569	3113959	Gmdrm	hypo	CG	-0.2304
Gm05	3121190	3121467	Gmdrm	hypo	CG	-0.7474
Gm05	3190011	3190350	Gmdrm	hypo	CG	-0.7895
Gm05	3204459	3204614	Gmdrm	hypo	CG	-0.6638
Gm05	3225893	3225938	Gmdrm	hypo	CG	-0.632
Gm05	3230981	3231100	Gmdrm	hypo	CG	-0.2934
Gm05	3231568	3231755	Gmdrm	hypo	CG	-0.4038
Gm05	3237284	3237360	Gmdrm	hypo	CG	-0.6066
Gm05	3243799	3244080	Gmdrm	hypo	CG	-0.7829
Gm05	3244462	3244617	Gmdrm	hypo	CG	-0.5788
Gm05	3250069	3250285	Gmdrm	hypo	CG	-0.4623
Gm05	3252238	3252480	Gmdrm	hypo	CG	-0.0583
Gm05	3473719	3473802	Gmdrm	hypo	CG	-0.512
Gm05	3488981	3489008	Gmdrm	hypo	CG	-0.06
Gm05	3496764	3496903	Gmdrm	hypo	CG	-0.57
Gm05	3497089	3497140	Gmdrm	hypo	CG	-0.1417
Gm05	3535357	3535379	Gmdrm	hypo	CG	-0.93
Gm05	3537155	3537337	Gmdrm	hypo	CG	-0.3557
Gm05	3548151	3548387	Gmdrm	hypo	CG	-0.6117
Gm05	3585202	3585474	Gmdrm	hypo	CG	-0.615
Gm05	3667404	3667455	Gmdrm	hypo	CG	-0.065
Gm05	3668597	3668647	Gmdrm	hypo	CG	-0.7867
Gm05	3670165	3670496	Gmdrm	hypo	CG	-0.5475
Gm05	3700578	3700736	Gmdrm	hypo	CG	-0.4322
Gm05	3700914	3701014	Gmdrm	hypo	CG	-0.3783
Gm05	3721011	3721138	Gmdrm	hypo	CG	-0.9383
Gm05	3721248	3721337	Gmdrm	hypo	CG	-0.97
Gm05	3721551	3721662	Gmdrm	hypo	CG	-0.9324

Gm05	3724376	3724576 Gmdrm	hypo	CG	-0.5588
Gm05	3726202	3726232 Gmdrm	hypo	CG	-0.0684
Gm05	3741770	3741911 Gmdrm	hypo	CG	-0.635
Gm05	3743816	3743969 Gmdrm	hypo	CG	-0.2858
Gm05	3768245	3768393 Gmdrm	hypo	CG	-0.246
Gm05	3778827	3778916 Gmdrm	hypo	CG	-0.0517
Gm05	3787019	3787273 Gmdrm	hypo	CG	-0.2225
Gm05	3804901	3805181 Gmdrm	hypo	CG	-0.7591
Gm05	3805302	3805450 Gmdrm	hypo	CG	-0.96
Gm05	3831332	3831563 Gmdrm	hypo	CG	-0.7903
Gm05	3844069	3844397 Gmdrm	hypo	CG	-0.7604
Gm05	3851274	3851423 Gmdrm	hypo	CG	-0.5225
Gm05	3880268	3880524 Gmdrm	hypo	CG	-0.0825
Gm05	3912933	3913054 Gmdrm	hypo	CG	-0.6784
Gm05	3923542	3923678 Gmdrm	hypo	CG	-0.1925
Gm05	3926719	3926879 Gmdrm	hypo	CG	-0.0322
Gm05	3928981	3929126 Gmdrm	hypo	CG	-0.565
Gm05	3939294	3939435 Gmdrm	hypo	CG	-0.98
Gm05	3943684	3943924 Gmdrm	hypo	CG	-0.3138
Gm05	3944631	3944868 Gmdrm	hypo	CG	-0.0738
Gm05	3944989	3945158 Gmdrm	hypo	CG	-0.2167
Gm05	3959591	3959913 Gmdrm	hypo	CG	-0.8469
Gm05	3969732	3969928 Gmdrm	hypo	CG	-0.9499
Gm05	3982195	3982745 Gmdrm	hypo	CG	-0.82
Gm05	4021779	4022124 Gmdrm	hypo	CG	-0.1
Gm05	4035701	4035789 Gmdrm	hypo	CG	-0.176
Gm05	4035915	4036115 Gmdrm	hypo	CG	-0.25
Gm05	4060642	4060708 Gmdrm	hypo	CG	-0.3984
Gm05	4060983	4061038 Gmdrm	hypo	CG	-0.71
Gm05	4066480	4066591 Gmdrm	hypo	CG	-0.618
Gm05	4077269	4077391 Gmdrm	hypo	CG	-0.5826
Gm05	4101981	4102165 Gmdrm	hypo	CG	-0.9583
Gm05	4123348	4123379 Gmdrm	hypo	CG	-0.845
Gm05	4123775	4123907 Gmdrm	hypo	CG	-0.715
Gm05	4148133	4148386 Gmdrm	hypo	CG	-0.1738
Gm05	4148534	4148991 Gmdrm	hypo	CG	-0.7104
Gm05	4157503	4157595 Gmdrm	hypo	CG	-0.5483
Gm05	4157762	4157940 Gmdrm	hypo	CG	-0.9161
Gm05	4158151	4158934 Gmdrm	hypo	CG	-0.2261
Gm05	4162470	4162523 Gmdrm	hypo	CG	-0.77
Gm05	4162881	4162932 Gmdrm	hypo	CG	-0.7583
Gm05	4163455	4163747 Gmdrm	hypo	CG	-0.4729
Gm05	4165863	4166133 Gmdrm	hypo	CG	-0.7508
Gm05	4173502	4173754 Gmdrm	hypo	CG	-0.8088
Gm05	4173858	4173965 Gmdrm	hypo	CG	-0.938
Gm05	4189741	4189968 Gmdrm	hypo	CG	-0.1911

Gm05	4196668	4196874	Gmdrm	hypo	CG	-0.048
Gm05	4203728	4203939	Gmdrm	hypo	CG	-0.6315
Gm05	4240942	4241131	Gmdrm	hypo	CG	-0.3695
Gm05	4241274	4241377	Gmdrm	hypo	CG	-0.726
Gm05	4241516	4241681	Gmdrm	hypo	CG	-0.213
Gm05	4245261	4245478	Gmdrm	hypo	CG	-0.0681
Gm05	4245639	4245713	Gmdrm	hypo	CG	-0.1887
Gm05	4246136	4246280	Gmdrm	hypo	CG	-0.67
Gm05	4246387	4246489	Gmdrm	hypo	CG	-0.774
Gm05	4271885	4272251	Gmdrm	hypo	CG	-0.0776
Gm05	4291148	4291173	Gmdrm	hypo	CG	-0.0483
Gm05	4296822	4296995	Gmdrm	hypo	CG	-0.8229
Gm05	4304687	4304702	Gmdrm	hypo	CG	-0.945
Gm05	4310763	4310889	Gmdrm	hypo	CG	-0.8158
Gm05	4314974	4315173	Gmdrm	hypo	CG	-0.4362
Gm05	4330897	4331128	Gmdrm	hypo	CG	-0.5292
Gm05	4376005	4376050	Gmdrm	hypo	CG	-0.586
Gm05	4379805	4379851	Gmdrm	hypo	CG	-0.53
Gm05	4388645	4388663	Gmdrm	hypo	CG	-0.9284
Gm05	4396917	4396998	Gmdrm	hypo	CG	-0.6525
Gm05	4404720	4404801	Gmdrm	hypo	CG	-0.92
Gm05	4426638	4426752	Gmdrm	hypo	CG	-0.646
Gm05	4427411	4427683	Gmdrm	hypo	CG	-0.0543
Gm05	4427841	4427877	Gmdrm	hypo	CG	-0.0787
Gm05	4431044	4431230	Gmdrm	hypo	CG	-0.974
Gm05	4433019	4433358	Gmdrm	hypo	CG	-0.9173
Gm05	4438275	4438370	Gmdrm	hypo	CG	-0.435
Gm05	4438733	4438876	Gmdrm	hypo	CG	-0.675
Gm05	4487949	4488127	Gmdrm	hypo	CG	-0.736
Gm05	4496858	4497005	Gmdrm	hypo	CG	-0.51
Gm05	4507220	4507483	Gmdrm	hypo	CG	-0.165
Gm05	4510550	4510639	Gmdrm	hypo	CG	-0.795
Gm05	4528161	4528191	Gmdrm	hypo	CG	-0.315
Gm05	4533937	4534167	Gmdrm	hypo	CG	-0.525
Gm05	4550736	4550828	Gmdrm	hypo	CG	-0.8666
Gm05	4556645	4556774	Gmdrm	hypo	CG	-0.0383
Gm05	4563254	4563293	Gmdrm	hypo	CG	-0.3738
Gm05	4564073	4564185	Gmdrm	hypo	CG	-0.5063
Gm05	4571729	4571822	Gmdrm	hypo	CG	-0.2767
Gm05	4584465	4584602	Gmdrm	hypo	CG	-0.6225
Gm05	4584997	4585322	Gmdrm	hypo	CG	-0.4364
Gm05	4632736	4633527	Gmdrm	hypo	CG	-0.1364
Gm05	4634720	4634891	Gmdrm	hypo	CG	-0.731
Gm05	4635013	4635288	Gmdrm	hypo	CG	-0.9325
Gm05	4637053	4637508	Gmdrm	hypo	CG	-0.6381
Gm05	4643641	4643721	Gmdrm	hypo	CG	-0.5984

Gm05	4649649	4649982	Gmdrm	hypo	CG	-0.2194
Gm05	4664608	4664803	Gmdrm	hypo	CG	-0.2714
Gm05	4664932	4665153	Gmdrm	hypo	CG	-0.0888
Gm05	4665323	4665384	Gmdrm	hypo	CG	-0.1275
Gm05	4665696	4665821	Gmdrm	hypo	CG	-0.5525
Gm05	4665997	4666196	Gmdrm	hypo	CG	-0.41
Gm05	4697904	4697983	Gmdrm	hypo	CG	-0.07
Gm05	4702260	4702433	Gmdrm	hypo	CG	-0.6266
Gm05	4704314	4704546	Gmdrm	hypo	CG	-0.4167
Gm05	4706031	4706501	Gmdrm	hypo	CG	-0.7007
Gm05	4754014	4754326	Gmdrm	hypo	CG	-0.1248
Gm05	4761088	4761280	Gmdrm	hypo	CG	-0.445
Gm05	4762502	4762720	Gmdrm	hypo	CG	-0.32
Gm05	4778901	4778950	Gmdrm	hypo	CG	-0.5072
Gm05	4779058	4779586	Gmdrm	hypo	CG	-0.1637
Gm05	4797402	4797603	Gmdrm	hypo	CG	-0.283
Gm05	4808041	4808086	Gmdrm	hypo	CG	-0.69
Gm05	4811687	4811769	Gmdrm	hypo	CG	-0.4642
Gm05	4824002	4824273	Gmdrm	hypo	CG	-0.143
Gm05	4824424	4824514	Gmdrm	hypo	CG	-0.3
Gm05	4841787	4842042	Gmdrm	hypo	CG	-0.4187
Gm05	4843729	4843811	Gmdrm	hypo	CG	-0.845
Gm05	4849770	4850076	Gmdrm	hypo	CG	-0.7904
Gm05	4854072	4854505	Gmdrm	hypo	CG	-0.6153
Gm05	4854983	4855060	Gmdrm	hypo	CG	-0.625
Gm05	4855343	4855559	Gmdrm	hypo	CG	-0.7845
Gm05	4870142	4870311	Gmdrm	hypo	CG	-0.858
Gm05	4870458	4870517	Gmdrm	hypo	CG	-0.4812
Gm05	4871169	4871307	Gmdrm	hypo	CG	-0.248
Gm05	4900074	4900109	Gmdrm	hypo	CG	-0.0433
Gm05	4919870	4920446	Gmdrm	hypo	CG	-0.3317
Gm05	4923029	4923194	Gmdrm	hypo	CG	-0.2033
Gm05	4923360	4923415	Gmdrm	hypo	CG	-0.4033
Gm05	4927166	4927234	Gmdrm	hypo	CG	-0.82
Gm05	4931511	4931604	Gmdrm	hypo	CG	-0.5107
Gm05	4940053	4940160	Gmdrm	hypo	CG	-0.6925
Gm05	4946773	4946916	Gmdrm	hypo	CG	-0.62
Gm05	4947158	4947289	Gmdrm	hypo	CG	-0.791
Gm05	4947430	4947455	Gmdrm	hypo	CG	-0.7467
Gm05	4948053	4948136	Gmdrm	hypo	CG	-0.5633
Gm05	4952611	4952647	Gmdrm	hypo	CG	-0.25
Gm05	4968957	4969097	Gmdrm	hypo	CG	-0.106
Gm05	4982392	4982523	Gmdrm	hypo	CG	-0.5966
Gm05	5000590	5000735	Gmdrm	hypo	CG	-0.7421
Gm05	5007083	5007183	Gmdrm	hypo	CG	-0.779
Gm05	5015877	5015969	Gmdrm	hypo	CG	-0.3137

Gm05	5020098	5020161 Gmdrm	hypo	CG	-0.038
Gm05	5023540	5023798 Gmdrm	hypo	CG	-0.777
Gm05	5046282	5046494 Gmdrm	hypo	CG	-0.0725
Gm05	5083617	5083738 Gmdrm	hypo	CG	-0.48
Gm05	5106610	5106662 Gmdrm	hypo	CG	-0.9567
Gm05	5107153	5107670 Gmdrm	hypo	CG	-0.742
Gm05	5113090	5113308 Gmdrm	hypo	CG	-0.5744
Gm05	5113411	5113561 Gmdrm	hypo	CG	-0.4213
Gm05	5116654	5116688 Gmdrm	hypo	CG	-0.652
Gm05	5123429	5123616 Gmdrm	hypo	CG	-0.6501
Gm05	5135687	5135819 Gmdrm	hypo	CG	-0.4375
Gm05	5137246	5137612 Gmdrm	hypo	CG	-0.3811
Gm05	5138555	5138867 Gmdrm	hypo	CG	-0.7645
Gm05	5146820	5146885 Gmdrm	hypo	CG	-0.355
Gm05	5154377	5154469 Gmdrm	hypo	CG	-0.6801
Gm05	5170744	5171055 Gmdrm	hypo	CG	-0.6893
Gm05	5179316	5179358 Gmdrm	hypo	CG	-0.8884
Gm05	5180347	5180476 Gmdrm	hypo	CG	-0.9373
Gm05	5188274	5188410 Gmdrm	hypo	CG	-0.4783
Gm05	5220662	5220796 Gmdrm	hypo	CG	-0.2242
Gm05	5224539	5224775 Gmdrm	hypo	CG	-0.66
Gm05	5238323	5238456 Gmdrm	hypo	CG	-0.8975
Gm05	5241875	5241937 Gmdrm	hypo	CG	-0.7566
Gm05	5242248	5242368 Gmdrm	hypo	CG	-0.8983
Gm05	5253931	5254144 Gmdrm	hypo	CG	-0.9455
Gm05	5266533	5266682 Gmdrm	hypo	CG	-0.4075
Gm05	5266783	5267075 Gmdrm	hypo	CG	-0.5935
Gm05	5273104	5273349 Gmdrm	hypo	CG	-0.555
Gm05	5280231	5280464 Gmdrm	hypo	CG	-0.6599
Gm05	5289497	5289657 Gmdrm	hypo	CG	-0.852
Gm05	5295701	5295886 Gmdrm	hypo	CG	-0.5036
Gm05	5301889	5302218 Gmdrm	hypo	CG	-0.8524
Gm05	5310662	5310801 Gmdrm	hypo	CG	-0.9487
Gm05	5329068	5329100 Gmdrm	hypo	CG	-0.9366
Gm05	5331922	5332020 Gmdrm	hypo	CG	-0.6933
Gm05	5353396	5353426 Gmdrm	hypo	CG	-0.758
Gm05	5353927	5353991 Gmdrm	hypo	CG	-0.919
Gm05	5355591	5355781 Gmdrm	hypo	CG	-0.61
Gm05	5394637	5394667 Gmdrm	hypo	CG	-0.046
Gm05	5411364	5412010 Gmdrm	hypo	CG	-0.6058
Gm05	5412425	5412904 Gmdrm	hypo	CG	-0.2167
Gm05	5413016	5413134 Gmdrm	hypo	CG	-0.2451
Gm05	5413339	5413405 Gmdrm	hypo	CG	-0.88
Gm05	5433491	5433634 Gmdrm	hypo	CG	-0.875
Gm05	5438703	5438884 Gmdrm	hypo	CG	-0.9788
Gm05	5461176	5461278 Gmdrm	hypo	CG	-0.9518

Gm05	5463833	5463871 Gmdrm	hypo	CG	-0.4183
Gm05	5467254	5467512 Gmdrm	hypo	CG	-0.7294
Gm05	5488757	5488943 Gmdrm	hypo	CG	-0.7378
Gm05	5521184	5521372 Gmdrm	hypo	CG	-0.12
Gm05	5522376	5522777 Gmdrm	hypo	CG	-0.4062
Gm05	5523204	5523629 Gmdrm	hypo	CG	-0.4339
Gm05	5523737	5523797 Gmdrm	hypo	CG	-0.8712
Gm05	5523898	5524187 Gmdrm	hypo	CG	-0.3412
Gm05	5524326	5524578 Gmdrm	hypo	CG	-0.5666
Gm05	5551761	5551860 Gmdrm	hypo	CG	-0.83
Gm05	5552238	5552319 Gmdrm	hypo	CG	-0.1667
Gm05	5566440	5566667 Gmdrm	hypo	CG	-0.7243
Gm05	5577344	5577401 Gmdrm	hypo	CG	-0.194
Gm05	5577779	5577816 Gmdrm	hypo	CG	-0.8217
Gm05	5585801	5585988 Gmdrm	hypo	CG	-0.6973
Gm05	5593014	5593220 Gmdrm	hypo	CG	-0.4544
Gm05	5602884	5602950 Gmdrm	hypo	CG	-0.4289
Gm05	5660848	5660987 Gmdrm	hypo	CG	-0.7666
Gm05	5666103	5666300 Gmdrm	hypo	CG	-0.18
Gm05	5666564	5666678 Gmdrm	hypo	CG	-0.375
Gm05	5674733	5674861 Gmdrm	hypo	CG	-0.3374
Gm05	5675256	5675414 Gmdrm	hypo	CG	-0.905
Gm05	5684007	5684434 Gmdrm	hypo	CG	-0.8581
Gm05	5685147	5685461 Gmdrm	hypo	CG	-0.5564
Gm05	5686018	5686172 Gmdrm	hypo	CG	-0.28
Gm05	5690248	5690866 Gmdrm	hypo	CG	-0.5969
Gm05	5763669	5763760 Gmdrm	hypo	CG	-0.732
Gm05	5769190	5769517 Gmdrm	hypo	CG	-0.3375
Gm05	5769706	5769833 Gmdrm	hypo	CG	-0.148
Gm05	5776023	5776183 Gmdrm	hypo	CG	-0.04
Gm05	5798830	5798999 Gmdrm	hypo	CG	-0.4658
Gm05	5799299	5799406 Gmdrm	hypo	CG	-0.127
Gm05	5804005	5804018 Gmdrm	hypo	CG	-0.075
Gm05	5819576	5819725 Gmdrm	hypo	CG	-0.0774
Gm05	5828839	5829008 Gmdrm	hypo	CG	-0.2575
Gm05	5829306	5829475 Gmdrm	hypo	CG	-0.1128
Gm05	5853397	5853661 Gmdrm	hypo	CG	-0.7072
Gm05	5854732	5854966 Gmdrm	hypo	CG	-0.7044
Gm05	5855543	5855688 Gmdrm	hypo	CG	-0.9265
Gm05	5891328	5891399 Gmdrm	hypo	CG	-0.7025
Gm05	5903170	5903303 Gmdrm	hypo	CG	-0.8237
Gm05	5913496	5913599 Gmdrm	hypo	CG	-0.603
Gm05	5925739	5925803 Gmdrm	hypo	CG	-0.6933
Gm05	5935334	5935408 Gmdrm	hypo	CG	-0.3808
Gm05	5942815	5943046 Gmdrm	hypo	CG	-0.4127
Gm05	5943726	5943862 Gmdrm	hypo	CG	-0.475

Gm05	5951442	5951594	Gmdrm	hypo	CG	-0.262
Gm05	5951977	5952084	Gmdrm	hypo	CG	-0.6
Gm05	5958785	5959463	Gmdrm	hypo	CG	-0.3505
Gm05	5959673	5959752	Gmdrm	hypo	CG	-0.7683
Gm05	5968638	5969088	Gmdrm	hypo	CG	-0.4055
Gm05	5970783	5971086	Gmdrm	hypo	CG	-0.1386
Gm05	5971317	5971498	Gmdrm	hypo	CG	-0.335
Gm05	5987910	5987976	Gmdrm	hypo	CG	-0.22
Gm05	5988130	5988463	Gmdrm	hypo	CG	-0.3462
Gm05	5996593	5996747	Gmdrm	hypo	CG	-0.3051
Gm05	6002647	6002738	Gmdrm	hypo	CG	-0.805
Gm05	6003784	6003811	Gmdrm	hypo	CG	-0.0983
Gm05	6014914	6015836	Gmdrm	hypo	CG	-0.6257
Gm05	6077773	6078270	Gmdrm	hypo	CG	-0.2985
Gm05	6078507	6078611	Gmdrm	hypo	CG	-0.888
Gm05	6081647	6081794	Gmdrm	hypo	CG	-0.4214
Gm05	6088583	6088716	Gmdrm	hypo	CG	-0.765
Gm05	6128309	6128643	Gmdrm	hypo	CG	-0.4359
Gm05	6128758	6128843	Gmdrm	hypo	CG	-0.44
Gm05	6129178	6129196	Gmdrm	hypo	CG	-0.31
Gm05	6133436	6133677	Gmdrm	hypo	CG	-0.7267
Gm05	6133931	6134083	Gmdrm	hypo	CG	-0.79
Gm05	6136483	6136618	Gmdrm	hypo	CG	-0.8883
Gm05	6158363	6158685	Gmdrm	hypo	CG	-0.8143
Gm05	6160634	6160761	Gmdrm	hypo	CG	-0.5912
Gm05	6169258	6169569	Gmdrm	hypo	CG	-0.1531
Gm05	6169763	6169889	Gmdrm	hypo	CG	-0.9116
Gm05	6173137	6173153	Gmdrm	hypo	CG	-0.245
Gm05	6174082	6174396	Gmdrm	hypo	CG	-0.5634
Gm05	6184103	6184358	Gmdrm	hypo	CG	-0.0938
Gm05	6211731	6211907	Gmdrm	hypo	CG	-0.4339
Gm05	6222218	6222390	Gmdrm	hypo	CG	-0.07
Gm05	6230428	6230526	Gmdrm	hypo	CG	-0.039
Gm05	6241622	6241809	Gmdrm	hypo	CG	-0.303
Gm05	6247063	6247208	Gmdrm	hypo	CG	-0.9217
Gm05	6263563	6263936	Gmdrm	hypo	CG	-0.045
Gm05	6296724	6296894	Gmdrm	hypo	CG	-0.751
Gm05	6307060	6307158	Gmdrm	hypo	CG	-0.0501
Gm05	6315693	6315948	Gmdrm	hypo	CG	-0.7852
Gm05	6330028	6330289	Gmdrm	hypo	CG	-0.2052
Gm05	6356010	6356682	Gmdrm	hypo	CG	-0.4911
Gm05	6369149	6369227	Gmdrm	hypo	CG	-0.7517
Gm05	6390495	6390514	Gmdrm	hypo	CG	-0.736
Gm05	6394447	6394465	Gmdrm	hypo	CG	-0.2516
Gm05	6406114	6406320	Gmdrm	hypo	CG	-0.0934
Gm05	6411163	6411424	Gmdrm	hypo	CG	-0.7523

Gm05	6411947	6412052	Gmdrm	hypo	CG	-0.595
Gm05	6412162	6412290	Gmdrm	hypo	CG	-0.734
Gm05	6418610	6418653	Gmdrm	hypo	CG	-0.7167
Gm05	6441453	6441658	Gmdrm	hypo	CG	-0.9778
Gm05	6471340	6471639	Gmdrm	hypo	CG	-0.5072
Gm05	6478022	6478155	Gmdrm	hypo	CG	-0.7601
Gm05	6478529	6479104	Gmdrm	hypo	CG	-0.583
Gm05	6483523	6483704	Gmdrm	hypo	CG	-0.7795
Gm05	6483834	6483970	Gmdrm	hypo	CG	-0.91
Gm05	6499809	6499877	Gmdrm	hypo	CG	-0.085
Gm05	6509058	6509209	Gmdrm	hypo	CG	-0.4083
Gm05	6515577	6515636	Gmdrm	hypo	CG	-0.5833
Gm05	6518468	6518557	Gmdrm	hypo	CG	-0.8267
Gm05	6522223	6522406	Gmdrm	hypo	CG	-0.8607
Gm05	6531290	6531661	Gmdrm	hypo	CG	-0.4291
Gm05	6546143	6546210	Gmdrm	hypo	CG	-0.082
Gm05	6555103	6555435	Gmdrm	hypo	CG	-0.2962
Gm05	6569559	6569605	Gmdrm	hypo	CG	-0.8333
Gm05	6594184	6594364	Gmdrm	hypo	CG	-0.0976
Gm05	6637023	6637088	Gmdrm	hypo	CG	-0.604
Gm05	6657781	6657893	Gmdrm	hypo	CG	-0.055
Gm05	6658460	6658641	Gmdrm	hypo	CG	-0.5612
Gm05	6670458	6670495	Gmdrm	hypo	CG	-0.54
Gm05	6670669	6670943	Gmdrm	hypo	CG	-0.5364
Gm05	6673081	6673168	Gmdrm	hypo	CG	-0.7917
Gm05	6685550	6685746	Gmdrm	hypo	CG	-0.0327
Gm05	6728912	6729065	Gmdrm	hypo	CG	-0.0889
Gm05	6783520	6784250	Gmdrm	hypo	CG	-0.0353
Gm05	6822795	6822823	Gmdrm	hypo	CG	-0.825
Gm05	6834257	6834346	Gmdrm	hypo	CG	-0.144
Gm05	6842179	6842418	Gmdrm	hypo	CG	-0.5014
Gm05	6851548	6851600	Gmdrm	hypo	CG	-0.8183
Gm05	6873789	6874304	Gmdrm	hypo	CG	-0.0668
Gm05	6882766	6883650	Gmdrm	hypo	CG	-0.0213
Gm05	6905866	6906065	Gmdrm	hypo	CG	-0.3056
Gm05	6906865	6907599	Gmdrm	hypo	CG	-0.8165
Gm05	6919452	6919609	Gmdrm	hypo	CG	-0.5409
Gm05	6958973	6959155	Gmdrm	hypo	CG	-0.792
Gm05	6978772	6979147	Gmdrm	hypo	CG	-0.4221
Gm05	6979659	6979887	Gmdrm	hypo	CG	-0.282
Gm05	7010157	7010446	Gmdrm	hypo	CG	-0.4537
Gm05	7017027	7017246	Gmdrm	hypo	CG	-0.249
Gm05	7022091	7022297	Gmdrm	hypo	CG	-0.742
Gm05	7037511	7037691	Gmdrm	hypo	CG	-0.0506
Gm05	7045586	7045680	Gmdrm	hypo	CG	-0.21
Gm05	7045821	7045922	Gmdrm	hypo	CG	-0.7316

Gm05	7069381	7069917 Gmdrm	hypo	CG	-0.2537
Gm05	7086309	7086555 Gmdrm	hypo	CG	-0.5257
Gm05	7089994	7090158 Gmdrm	hypo	CG	-0.4024
Gm05	7090314	7090491 Gmdrm	hypo	CG	-0.434
Gm05	7107208	7107376 Gmdrm	hypo	CG	-0.19
Gm05	7109855	7110235 Gmdrm	hypo	CG	-0.386
Gm05	7115680	7115783 Gmdrm	hypo	CG	-0.4317
Gm05	7118262	7118429 Gmdrm	hypo	CG	-0.8784
Gm05	7136283	7136325 Gmdrm	hypo	CG	-0.8484
Gm05	7137233	7137438 Gmdrm	hypo	CG	-0.8167
Gm05	7143857	7143973 Gmdrm	hypo	CG	-0.7288
Gm05	7144242	7144310 Gmdrm	hypo	CG	-0.6933
Gm05	7144814	7144927 Gmdrm	hypo	CG	-0.495
Gm05	7146239	7146546 Gmdrm	hypo	CG	-0.6462
Gm05	7160569	7160870 Gmdrm	hypo	CG	-0.5338
Gm05	7163707	7164001 Gmdrm	hypo	CG	-0.0422
Gm05	7181308	7181426 Gmdrm	hypo	CG	-0.2738
Gm05	7181776	7181869 Gmdrm	hypo	CG	-0.1513
Gm05	7240980	7241056 Gmdrm	hypo	CG	-0.488
Gm05	7241184	7241222 Gmdrm	hypo	CG	-0.306
Gm05	7241520	7241559 Gmdrm	hypo	CG	-0.41
Gm05	7250928	7251306 Gmdrm	hypo	CG	-0.0754
Gm05	7268647	7268730 Gmdrm	hypo	CG	-0.87
Gm05	7273678	7273758 Gmdrm	hypo	CG	-0.1983
Gm05	7313249	7313354 Gmdrm	hypo	CG	-0.14
Gm05	7321208	7321263 Gmdrm	hypo	CG	-0.2316
Gm05	7355942	7356230 Gmdrm	hypo	CG	-0.6454
Gm05	7365679	7365722 Gmdrm	hypo	CG	-0.2317
Gm05	7410834	7411028 Gmdrm	hypo	CG	-0.1329
Gm05	7411606	7411740 Gmdrm	hypo	CG	-0.1276
Gm05	7411874	7411929 Gmdrm	hypo	CG	-0.2333
Gm05	7413371	7413797 Gmdrm	hypo	CG	-0.9195
Gm05	7415379	7415414 Gmdrm	hypo	CG	-0.2987
Gm05	7442222	7442323 Gmdrm	hypo	CG	-0.8513
Gm05	7443504	7443745 Gmdrm	hypo	CG	-0.78
Gm05	7443862	7444027 Gmdrm	hypo	CG	-0.1042
Gm05	7444136	7444437 Gmdrm	hypo	CG	-0.0364
Gm05	7460965	7461040 Gmdrm	hypo	CG	-0.53
Gm05	7461194	7461239 Gmdrm	hypo	CG	-0.7967
Gm05	7464662	7464823 Gmdrm	hypo	CG	-0.7259
Gm05	7465398	7465579 Gmdrm	hypo	CG	-0.6891
Gm05	7468278	7468331 Gmdrm	hypo	CG	-0.03
Gm05	7479653	7479709 Gmdrm	hypo	CG	-0.0825
Gm05	7502900	7503078 Gmdrm	hypo	CG	-0.8392
Gm05	7545865	7545898 Gmdrm	hypo	CG	-0.6017
Gm05	7546000	7546162 Gmdrm	hypo	CG	-0.667

Gm05	7548726	7548732	Gmdrm	hypo	CG	-0.7116
Gm05	7549034	7549090	Gmdrm	hypo	CG	-0.979
Gm05	7599148	7599912	Gmdrm	hypo	CG	-0.0802
Gm05	7603403	7603426	Gmdrm	hypo	CG	-0.9683
Gm05	7717655	7717817	Gmdrm	hypo	CG	-0.4562
Gm05	7788903	7788973	Gmdrm	hypo	CG	-0.7263
Gm05	7905003	7905155	Gmdrm	hypo	CG	-0.1178
Gm05	7919385	7919935	Gmdrm	hypo	CG	-0.0286
Gm05	7933738	7933949	Gmdrm	hypo	CG	-0.679
Gm05	8023353	8024340	Gmdrm	hypo	CG	-0.029
Gm05	8044298	8044432	Gmdrm	hypo	CG	-0.132
Gm05	8226749	8227375	Gmdrm	hypo	CG	-0.0697
Gm05	8242173	8242340	Gmdrm	hypo	CG	-0.0356
Gm05	8252311	8252630	Gmdrm	hypo	CG	-0.4296
Gm05	8260487	8260776	Gmdrm	hypo	CG	-0.944
Gm05	8269787	8270777	Gmdrm	hypo	CG	-0.0225
Gm05	8270794	8271189	Gmdrm	hypo	CG	-0.0432
Gm05	8324445	8324603	Gmdrm	hypo	CG	-0.26
Gm05	8325464	8325653	Gmdrm	hypo	CG	-0.4071
Gm05	8327541	8328068	Gmdrm	hypo	CG	-0.492
Gm05	8328495	8328597	Gmdrm	hypo	CG	-0.7766
Gm05	8372040	8372119	Gmdrm	hypo	CG	-0.0925
Gm05	8402916	8402954	Gmdrm	hypo	CG	-0.1034
Gm05	8429083	8429490	Gmdrm	hypo	CG	-0.059
Gm05	8433867	8433976	Gmdrm	hypo	CG	-0.62
Gm05	8508169	8508285	Gmdrm	hypo	CG	-0.8938
Gm05	8508393	8508529	Gmdrm	hypo	CG	-0.815
Gm05	8552395	8552472	Gmdrm	hypo	CG	-0.9312
Gm05	8588539	8588565	Gmdrm	hypo	CG	-0.24
Gm05	8591049	8591106	Gmdrm	hypo	CG	-0.2522
Gm05	8629346	8629578	Gmdrm	hypo	CG	-0.0344
Gm05	8685482	8685706	Gmdrm	hypo	CG	-0.4729
Gm05	8686242	8686449	Gmdrm	hypo	CG	-0.2429
Gm05	8746034	8746193	Gmdrm	hypo	CG	-0.0367
Gm05	8755669	8755715	Gmdrm	hypo	CG	-0.17
Gm05	8772722	8772947	Gmdrm	hypo	CG	-0.0821
Gm05	8890725	8890850	Gmdrm	hypo	CG	-0.9067
Gm05	8911612	8911657	Gmdrm	hypo	CG	-0.1367
Gm05	8937684	8937839	Gmdrm	hypo	CG	-0.1015
Gm05	8965426	8965557	Gmdrm	hypo	CG	-0.61
Gm05	8965684	8965887	Gmdrm	hypo	CG	-0.2471
Gm05	8966052	8966073	Gmdrm	hypo	CG	-0.095
Gm05	8973360	8973670	Gmdrm	hypo	CG	-0.8377
Gm05	8977260	8977283	Gmdrm	hypo	CG	-0.195
Gm05	8984828	8985274	Gmdrm	hypo	CG	-0.0362
Gm05	9005275	9005395	Gmdrm	hypo	CG	-0.5617

Gm05	9008172	9008314	Gmdrm	hypo	CG	-0.5337
Gm05	9008665	9008893	Gmdrm	hypo	CG	-0.2439
Gm05	9010217	9010697	Gmdrm	hypo	CG	-0.1123
Gm05	9011135	9011234	Gmdrm	hypo	CG	-0.028
Gm05	9105666	9105760	Gmdrm	hypo	CG	-0.0621
Gm05	9106048	9106302	Gmdrm	hypo	CG	-0.0594
Gm05	9265527	9265878	Gmdrm	hypo	CG	-0.3355
Gm05	9374893	9374987	Gmdrm	hypo	CG	-0.4367
Gm05	9380673	9380811	Gmdrm	hypo	CG	-0.2092
Gm05	9383222	9383360	Gmdrm	hypo	CG	-0.9143
Gm05	9416534	9416838	Gmdrm	hypo	CG	-0.0603
Gm05	9423717	9423847	Gmdrm	hypo	CG	-0.0883
Gm05	9438305	9438435	Gmdrm	hypo	CG	-0.66
Gm05	9439136	9439179	Gmdrm	hypo	CG	-0.2163
Gm05	9440059	9440480	Gmdrm	hypo	CG	-0.1238
Gm05	9440668	9440741	Gmdrm	hypo	CG	-0.2133
Gm05	9440983	9441186	Gmdrm	hypo	CG	-0.482
Gm05	9546241	9546502	Gmdrm	hypo	CG	-0.5875
Gm05	9553462	9553909	Gmdrm	hypo	CG	-0.0262
Gm05	9560641	9560727	Gmdrm	hypo	CG	-0.1734
Gm05	9564140	9564257	Gmdrm	hypo	CG	-0.4508
Gm05	9568499	9568679	Gmdrm	hypo	CG	-0.9345
Gm05	9607493	9607744	Gmdrm	hypo	CG	-0.3767
Gm05	9607897	9608044	Gmdrm	hypo	CG	-0.3157
Gm05	9613261	9613675	Gmdrm	hypo	CG	-0.025
Gm05	9614722	9614791	Gmdrm	hypo	CG	-0.9857
Gm05	9623521	9623969	Gmdrm	hypo	CG	-0.0418
Gm05	9641181	9641245	Gmdrm	hypo	CG	-0.6684
Gm05	9654467	9654721	Gmdrm	hypo	CG	-0.1792
Gm05	9699037	9699388	Gmdrm	hypo	CG	-0.1268
Gm05	9715374	9715565	Gmdrm	hypo	CG	-0.5528
Gm05	9716618	9716794	Gmdrm	hypo	CG	-0.16
Gm05	9737201	9737729	Gmdrm	hypo	CG	-0.1441
Gm05	9740178	9740317	Gmdrm	hypo	CG	-0.6617
Gm05	9757372	9757806	Gmdrm	hypo	CG	-0.6138
Gm05	9759791	9759925	Gmdrm	hypo	CG	-0.77
Gm05	9784344	9784463	Gmdrm	hypo	CG	-0.1175
Gm05	9856773	9857255	Gmdrm	hypo	CG	-0.3457
Gm05	9891697	9891896	Gmdrm	hypo	CG	-0.0528
Gm05	9909520	9910091	Gmdrm	hypo	CG	-0.5088
Gm05	9911152	9911301	Gmdrm	hypo	CG	-0.6317
Gm05	9963023	9963317	Gmdrm	hypo	CG	-0.1007
Gm05	9982457	9982690	Gmdrm	hypo	CG	-0.0823
Gm05	9991908	9992014	Gmdrm	hypo	CG	-0.2283
Gm05	9994674	9994743	Gmdrm	hypo	CG	-0.194
Gm05	10039371	10040220	Gmdrm	hypo	CG	-0.1585

Gm05	10046592	10046679	Gmdrm	hypo	CG	-0.3571
Gm05	10050442	10050579	Gmdrm	hypo	CG	-0.84
Gm05	10051813	10051831	Gmdrm	hypo	CG	-0.8717
Gm05	10052260	10052278	Gmdrm	hypo	CG	-0.88
Gm05	10055767	10055919	Gmdrm	hypo	CG	-0.77
Gm05	10056333	10056454	Gmdrm	hypo	CG	-0.5536
Gm05	10057540	10057932	Gmdrm	hypo	CG	-0.1754
Gm05	10063161	10063361	Gmdrm	hypo	CG	-0.0883
Gm05	10085248	10085319	Gmdrm	hypo	CG	-0.046
Gm05	10123949	10124036	Gmdrm	hypo	CG	-0.622
Gm05	10215131	10215447	Gmdrm	hypo	CG	-0.3642
Gm05	10224313	10224501	Gmdrm	hypo	CG	-0.9663
Gm05	10226540	10226617	Gmdrm	hypo	CG	-0.2975
Gm05	10231148	10231185	Gmdrm	hypo	CG	-0.8684
Gm05	10237265	10237299	Gmdrm	hypo	CG	-0.9416
Gm05	10282799	10282886	Gmdrm	hypo	CG	-0.1033
Gm05	10340013	10340191	Gmdrm	hypo	CG	-0.0485
Gm05	10340905	10341089	Gmdrm	hypo	CG	-0.0607
Gm05	10347983	10348753	Gmdrm	hypo	CG	-0.0398
Gm05	10359320	10359669	Gmdrm	hypo	CG	-0.0892
Gm05	10386789	10386851	Gmdrm	hypo	CG	-0.1443
Gm05	10388453	10388614	Gmdrm	hypo	CG	-0.066
Gm05	10433932	10433983	Gmdrm	hypo	CG	-0.0501
Gm05	10441081	10441415	Gmdrm	hypo	CG	-0.0493
Gm05	10500003	10500373	Gmdrm	hypo	CG	-0.0296
Gm05	10515166	10515285	Gmdrm	hypo	CG	-0.673
Gm05	10554319	10555003	Gmdrm	hypo	CG	-0.0696
Gm05	10577891	10578040	Gmdrm	hypo	CG	-0.6343
Gm05	10580389	10580692	Gmdrm	hypo	CG	-0.245
Gm05	10593063	10593338	Gmdrm	hypo	CG	-0.045
Gm05	10651240	10651545	Gmdrm	hypo	CG	-0.05
Gm05	10732080	10732365	Gmdrm	hypo	CG	-0.04
Gm05	10732560	10732638	Gmdrm	hypo	CG	-0.0449
Gm05	10742967	10743160	Gmdrm	hypo	CG	-0.045
Gm05	10743273	10743780	Gmdrm	hypo	CG	-0.0267
Gm05	10770156	10770413	Gmdrm	hypo	CG	-0.0959
Gm05	10773775	10773905	Gmdrm	hypo	CG	-0.042
Gm05	10823534	10823763	Gmdrm	hypo	CG	-0.4925
Gm05	10823901	10824005	Gmdrm	hypo	CG	-0.5238
Gm05	10833332	10833455	Gmdrm	hypo	CG	-0.4533
Gm05	10893033	10893720	Gmdrm	hypo	CG	-0.0713
Gm05	10933511	10933829	Gmdrm	hypo	CG	-0.0761
Gm05	10947657	10947787	Gmdrm	hypo	CG	-0.087
Gm05	10998566	10998640	Gmdrm	hypo	CG	-0.7833
Gm05	11102876	11103024	Gmdrm	hypo	CG	-0.0758
Gm05	11182305	11182364	Gmdrm	hypo	CG	-0.12

Gm05	11296829	11297175	Gmdrm	hypo	CG	-0.0523
Gm05	11372527	11372897	Gmdrm	hypo	CG	-0.4072
Gm05	11438896	11438996	Gmdrm	hypo	CG	-0.46
Gm05	11461427	11461641	Gmdrm	hypo	CG	-0.0677
Gm05	11598340	11598566	Gmdrm	hypo	CG	-0.045
Gm05	11708933	11708959	Gmdrm	hypo	CG	-0.0383
Gm05	11724217	11724429	Gmdrm	hypo	CG	-0.062
Gm05	11785503	11785951	Gmdrm	hypo	CG	-0.02
Gm05	11799032	11799105	Gmdrm	hypo	CG	-0.2483
Gm05	11800956	11801067	Gmdrm	hypo	CG	-0.072
Gm05	11819416	11819586	Gmdrm	hypo	CG	-0.0933
Gm05	11865137	11865524	Gmdrm	hypo	CG	-0.0448
Gm05	11893787	11894783	Gmdrm	hypo	CG	-0.0326
Gm05	11935580	11935656	Gmdrm	hypo	CG	-0.1633
Gm05	11961574	11961637	Gmdrm	hypo	CG	-0.635
Gm05	11972681	11972831	Gmdrm	hypo	CG	-0.9112
Gm05	11995260	11995900	Gmdrm	hypo	CG	-0.066
Gm05	12085569	12086210	Gmdrm	hypo	CG	-0.0403
Gm05	12385125	12385737	Gmdrm	hypo	CG	-0.059
Gm05	12415117	12415455	Gmdrm	hypo	CG	-0.0494
Gm05	12426184	12426769	Gmdrm	hypo	CG	-0.0313
Gm05	12427057	12427357	Gmdrm	hypo	CG	-0.0497
Gm05	12437792	12437903	Gmdrm	hypo	CG	-0.2266
Gm05	12456310	12457297	Gmdrm	hypo	CG	-0.0238
Gm05	12613138	12613517	Gmdrm	hypo	CG	-0.0895
Gm05	12647882	12648107	Gmdrm	hypo	CG	-0.0653
Gm05	12651930	12652250	Gmdrm	hypo	CG	-0.0724
Gm05	12868603	12868706	Gmdrm	hypo	CG	-0.09
Gm05	12949932	12950081	Gmdrm	hypo	CG	-0.0989
Gm05	12953213	12953469	Gmdrm	hypo	CG	-0.0744
Gm05	13142501	13142919	Gmdrm	hypo	CG	-0.0595
Gm05	13156534	13157027	Gmdrm	hypo	CG	-0.0733
Gm05	13205801	13205973	Gmdrm	hypo	CG	-0.3843
Gm05	13206089	13206565	Gmdrm	hypo	CG	-0.3491
Gm05	13209666	13209875	Gmdrm	hypo	CG	-0.6595
Gm05	13210090	13210175	Gmdrm	hypo	CG	-0.4983
Gm05	13249109	13249337	Gmdrm	hypo	CG	-0.0715
Gm05	13269754	13269803	Gmdrm	hypo	CG	-0.5716
Gm05	13275891	13276045	Gmdrm	hypo	CG	-0.064
Gm05	13299715	13300091	Gmdrm	hypo	CG	-0.0339
Gm05	13321567	13321739	Gmdrm	hypo	CG	-0.1113
Gm05	13332665	13332731	Gmdrm	hypo	CG	-0.0757
Gm05	13391795	13392795	Gmdrm	hypo	CG	-0.0273
Gm05	13437729	13438503	Gmdrm	hypo	CG	-0.0407
Gm05	13516823	13517402	Gmdrm	hypo	CG	-0.0344
Gm05	13758521	13758571	Gmdrm	hypo	CG	-0.146

Gm05	13778548	13778822	Gmdrm	hypo	CG	-0.7931
Gm05	13778946	13779324	Gmdrm	hypo	CG	-0.1839
Gm05	13980843	13981047	Gmdrm	hypo	CG	-0.0452
Gm05	13991058	13991460	Gmdrm	hypo	CG	-0.0606
Gm05	14002614	14002717	Gmdrm	hypo	CG	-0.045
Gm05	14004753	14004783	Gmdrm	hypo	CG	-0.12
Gm05	14052286	14052488	Gmdrm	hypo	CG	-0.0516
Gm05	14086046	14086185	Gmdrm	hypo	CG	-0.629
Gm05	14086655	14086840	Gmdrm	hypo	CG	-0.489
Gm05	14096614	14097289	Gmdrm	hypo	CG	-0.0275
Gm05	14189804	14189843	Gmdrm	hypo	CG	-0.102
Gm05	14191322	14191472	Gmdrm	hypo	CG	-0.074
Gm05	14220889	14220963	Gmdrm	hypo	CG	-0.0814
Gm05	14229679	14230676	Gmdrm	hypo	CG	-0.0389
Gm05	14240227	14240315	Gmdrm	hypo	CG	-0.0671
Gm05	14250947	14250998	Gmdrm	hypo	CG	-0.2
Gm05	14282040	14282548	Gmdrm	hypo	CG	-0.0423
Gm05	14340863	14340990	Gmdrm	hypo	CG	-0.6944
Gm05	14341300	14341399	Gmdrm	hypo	CG	-0.7466
Gm05	14343142	14343257	Gmdrm	hypo	CG	-0.6667
Gm05	14348557	14348722	Gmdrm	hypo	CG	-0.4519
Gm05	14386202	14386504	Gmdrm	hypo	CG	-0.6357
Gm05	14477118	14477470	Gmdrm	hypo	CG	-0.0582
Gm05	14515978	14516153	Gmdrm	hypo	CG	-0.06
Gm05	14630933	14631113	Gmdrm	hypo	CG	-0.0834
Gm05	14754566	14754744	Gmdrm	hypo	CG	-0.3273
Gm05	14762522	14762852	Gmdrm	hypo	CG	-0.0332
Gm05	14779243	14779374	Gmdrm	hypo	CG	-0.1279
Gm05	14787443	14788372	Gmdrm	hypo	CG	-0.0249
Gm05	14833374	14833500	Gmdrm	hypo	CG	-0.0538
Gm05	14942625	14942695	Gmdrm	hypo	CG	-0.1213
Gm05	14945529	14945671	Gmdrm	hypo	CG	-0.0644
Gm05	14998302	14998427	Gmdrm	hypo	CG	-0.082
Gm05	15037251	15037493	Gmdrm	hypo	CG	-0.1016
Gm05	15044830	15045231	Gmdrm	hypo	CG	-0.3766
Gm05	15066670	15067285	Gmdrm	hypo	CG	-0.0255
Gm05	15074314	15074341	Gmdrm	hypo	CG	-0.055
Gm05	15117823	15117919	Gmdrm	hypo	CG	-0.1817
Gm05	15152809	15153011	Gmdrm	hypo	CG	-0.946
Gm05	15227038	15227404	Gmdrm	hypo	CG	-0.079
Gm05	15227515	15228211	Gmdrm	hypo	CG	-0.0361
Gm05	15263663	15263874	Gmdrm	hypo	CG	-0.0625
Gm05	15291022	15291246	Gmdrm	hypo	CG	-0.2463
Gm05	15293793	15293929	Gmdrm	hypo	CG	-0.163
Gm05	15342787	15343546	Gmdrm	hypo	CG	-0.0337
Gm05	15396906	15397027	Gmdrm	hypo	CG	-0.0967

Gm05	15496018	15496036	Gmdrm	hypo	CG	-0.426
Gm05	15497380	15497487	Gmdrm	hypo	CG	-0.906
Gm05	15518095	15518410	Gmdrm	hypo	CG	-0.4561
Gm05	15535264	15535368	Gmdrm	hypo	CG	-0.725
Gm05	15755110	15755491	Gmdrm	hypo	CG	-0.0988
Gm05	15765547	15766056	Gmdrm	hypo	CG	-0.0306
Gm05	15840129	15840290	Gmdrm	hypo	CG	-0.0336
Gm05	15850222	15850343	Gmdrm	hypo	CG	-0.0413
Gm05	15878005	15878205	Gmdrm	hypo	CG	-0.2169
Gm05	15889851	15890186	Gmdrm	hypo	CG	-0.0511
Gm05	15919878	15919908	Gmdrm	hypo	CG	-0.078
Gm05	15920893	15921118	Gmdrm	hypo	CG	-0.774
Gm05	15921306	15921446	Gmdrm	hypo	CG	-0.4867
Gm05	15933752	15933856	Gmdrm	hypo	CG	-0.6863
Gm05	15938502	15938721	Gmdrm	hypo	CG	-0.0515
Gm05	15939645	15940070	Gmdrm	hypo	CG	-0.0552
Gm05	15946422	15946537	Gmdrm	hypo	CG	-0.066
Gm05	16058266	16058589	Gmdrm	hypo	CG	-0.7725
Gm05	16058995	16059132	Gmdrm	hypo	CG	-0.0396
Gm05	16061316	16061491	Gmdrm	hypo	CG	-0.1578
Gm05	16069256	16069318	Gmdrm	hypo	CG	-0.7017
Gm05	16069444	16069598	Gmdrm	hypo	CG	-0.2534
Gm05	16070197	16070251	Gmdrm	hypo	CG	-0.1137
Gm05	16071037	16071118	Gmdrm	hypo	CG	-0.2488
Gm05	16074054	16074144	Gmdrm	hypo	CG	-0.1513
Gm05	16074247	16074292	Gmdrm	hypo	CG	-0.11
Gm05	16076640	16077065	Gmdrm	hypo	CG	-0.0248
Gm05	16096076	16096496	Gmdrm	hypo	CG	-0.0789
Gm05	16104555	16104687	Gmdrm	hypo	CG	-0.855
Gm05	16121634	16121942	Gmdrm	hypo	CG	-0.2722
Gm05	16122776	16122883	Gmdrm	hypo	CG	-0.752
Gm05	16134622	16134707	Gmdrm	hypo	CG	-0.185
Gm05	16191609	16191768	Gmdrm	hypo	CG	-0.1078
Gm05	16213992	16214599	Gmdrm	hypo	CG	-0.0664
Gm05	16264700	16264736	Gmdrm	hypo	CG	-0.37
Gm05	16330876	16331006	Gmdrm	hypo	CG	-0.075
Gm05	16377568	16378126	Gmdrm	hypo	CG	-0.0504
Gm05	16422857	16422894	Gmdrm	hypo	CG	-0.0512
Gm05	16461481	16461664	Gmdrm	hypo	CG	-0.3924
Gm05	16483343	16483435	Gmdrm	hypo	CG	-0.0557
Gm05	16565851	16566115	Gmdrm	hypo	CG	-0.06
Gm05	16634430	16634506	Gmdrm	hypo	CG	-0.035
Gm05	16667664	16667920	Gmdrm	hypo	CG	-0.0843
Gm05	16684931	16684975	Gmdrm	hypo	CG	-0.7433
Gm05	16685083	16685193	Gmdrm	hypo	CG	-0.0957
Gm05	16688511	16688587	Gmdrm	hypo	CG	-0.715

Gm05	16717441	16718431	Gmdrm	hypo	CG	-0.0356
Gm05	16798526	16798646	Gmdrm	hypo	CG	-0.1414
Gm05	16827705	16827789	Gmdrm	hypo	CG	-0.104
Gm05	16884655	16884902	Gmdrm	hypo	CG	-0.067
Gm05	16907310	16907424	Gmdrm	hypo	CG	-0.154
Gm05	16975991	16976357	Gmdrm	hypo	CG	-0.0544
Gm05	17003822	17003957	Gmdrm	hypo	CG	-0.0585
Gm05	17090035	17090287	Gmdrm	hypo	CG	-0.0623
Gm05	17182719	17182912	Gmdrm	hypo	CG	-0.0517
Gm05	17183437	17183650	Gmdrm	hypo	CG	-0.044
Gm05	17231625	17231692	Gmdrm	hypo	CG	-0.105
Gm05	17284791	17285005	Gmdrm	hypo	CG	-0.2043
Gm05	17287502	17287694	Gmdrm	hypo	CG	-0.1533
Gm05	17385494	17385582	Gmdrm	hypo	CG	-0.0583
Gm05	17482116	17482197	Gmdrm	hypo	CG	-0.142
Gm05	17485254	17486232	Gmdrm	hypo	CG	-0.022
Gm05	17500497	17500700	Gmdrm	hypo	CG	-0.6739
Gm05	17695983	17696105	Gmdrm	hypo	CG	-0.092
Gm05	17726925	17727037	Gmdrm	hypo	CG	-0.7767
Gm05	17823126	17823528	Gmdrm	hypo	CG	-0.0497
Gm05	17914061	17914312	Gmdrm	hypo	CG	-0.0736
Gm05	17957665	17957770	Gmdrm	hypo	CG	-0.2134
Gm05	17957882	17958040	Gmdrm	hypo	CG	-0.129
Gm05	18011911	18012185	Gmdrm	hypo	CG	-0.605
Gm05	18082465	18082553	Gmdrm	hypo	CG	-0.9433
Gm05	18083864	18084134	Gmdrm	hypo	CG	-0.4827
Gm05	18094996	18095248	Gmdrm	hypo	CG	-0.0197
Gm05	18106448	18106669	Gmdrm	hypo	CG	-0.0452
Gm05	18150455	18150699	Gmdrm	hypo	CG	-0.0871
Gm05	18341152	18341196	Gmdrm	hypo	CG	-0.165
Gm05	18384255	18384430	Gmdrm	hypo	CG	-0.102
Gm05	18483101	18483224	Gmdrm	hypo	CG	-0.7599
Gm05	18520051	18520278	Gmdrm	hypo	CG	-0.0321
Gm05	18591759	18592071	Gmdrm	hypo	CG	-0.0297
Gm05	18623095	18623228	Gmdrm	hypo	CG	-0.1585
Gm05	18687092	18687233	Gmdrm	hypo	CG	-0.081
Gm05	18719674	18719771	Gmdrm	hypo	CG	-0.0625
Gm05	18738794	18739033	Gmdrm	hypo	CG	-0.07
Gm05	18745497	18746304	Gmdrm	hypo	CG	-0.0417
Gm05	18798371	18798706	Gmdrm	hypo	CG	-0.0737
Gm05	18943162	18943285	Gmdrm	hypo	CG	-0.2833
Gm05	19198673	19199447	Gmdrm	hypo	CG	-0.0419
Gm05	19247047	19247860	Gmdrm	hypo	CG	-0.0347
Gm05	19354018	19354040	Gmdrm	hypo	CG	-0.8783
Gm05	19362986	19363121	Gmdrm	hypo	CG	-0.196
Gm05	19364358	19364610	Gmdrm	hypo	CG	-0.6854

Gm05	19394386	19394669	Gmdrm	hypo	CG	-0.0676
Gm05	19430029	19430166	Gmdrm	hypo	CG	-0.0767
Gm05	19465664	19466276	Gmdrm	hypo	CG	-0.5279
Gm05	19466679	19467009	Gmdrm	hypo	CG	-0.6705
Gm05	19468487	19468615	Gmdrm	hypo	CG	-0.3325
Gm05	19490396	19490506	Gmdrm	hypo	CG	-0.2025
Gm05	19573775	19573965	Gmdrm	hypo	CG	-0.0693
Gm05	19633159	19633369	Gmdrm	hypo	CG	-0.0612
Gm05	19874933	19875071	Gmdrm	hypo	CG	-0.4625
Gm05	19899358	19899762	Gmdrm	hypo	CG	-0.2246
Gm05	19899922	19899978	Gmdrm	hypo	CG	-0.72
Gm05	19900409	19900534	Gmdrm	hypo	CG	-0.8862
Gm05	19911588	19911641	Gmdrm	hypo	CG	-0.941
Gm05	19912897	19913144	Gmdrm	hypo	CG	-0.4946
Gm05	19925908	19926090	Gmdrm	hypo	CG	-0.0411
Gm05	19938251	19938452	Gmdrm	hypo	CG	-0.0746
Gm05	19955837	19956161	Gmdrm	hypo	CG	-0.0435
Gm05	20004045	20004186	Gmdrm	hypo	CG	-0.3149
Gm05	20008519	20008649	Gmdrm	hypo	CG	-0.1909
Gm05	20008760	20008976	Gmdrm	hypo	CG	-0.8574
Gm05	20032431	20032832	Gmdrm	hypo	CG	-0.0583
Gm05	20062560	20062666	Gmdrm	hypo	CG	-0.6875
Gm05	20126472	20126537	Gmdrm	hypo	CG	-0.082
Gm05	20153175	20154154	Gmdrm	hypo	CG	-0.0278
Gm05	20234892	20235360	Gmdrm	hypo	CG	-0.0669
Gm05	20239647	20240054	Gmdrm	hypo	CG	-0.0363
Gm05	20252352	20253346	Gmdrm	hypo	CG	-0.0278
Gm05	20333444	20334443	Gmdrm	hypo	CG	-0.0313
Gm05	20392415	20393019	Gmdrm	hypo	CG	-0.0405
Gm05	20558182	20559163	Gmdrm	hypo	CG	-0.0229
Gm05	20559205	20559405	Gmdrm	hypo	CG	-0.0625
Gm05	20561310	20561889	Gmdrm	hypo	CG	-0.0348
Gm05	20702729	20702776	Gmdrm	hypo	CG	-0.0882
Gm05	20781505	20782505	Gmdrm	hypo	CG	-0.0239
Gm05	20787067	20787220	Gmdrm	hypo	CG	-0.1
Gm05	20822051	20823050	Gmdrm	hypo	CG	-0.031
Gm05	20897415	20897514	Gmdrm	hypo	CG	-0.1714
Gm05	20909734	20910024	Gmdrm	hypo	CG	-0.0992
Gm05	20932440	20932664	Gmdrm	hypo	CG	-0.0685
Gm05	20933841	20934004	Gmdrm	hypo	CG	-0.0739
Gm05	20980130	20980163	Gmdrm	hypo	CG	-0.095
Gm05	21078130	21078580	Gmdrm	hypo	CG	-0.0473
Gm05	21161896	21162087	Gmdrm	hypo	CG	-0.1133
Gm05	21210139	21211131	Gmdrm	hypo	CG	-0.0368
Gm05	21215430	21215450	Gmdrm	hypo	CG	-0.138
Gm05	21269037	21269200	Gmdrm	hypo	CG	-0.5188

Gm05	21273215	21273402	Gmdrm	hypo	CG	-0.052
Gm05	21324176	21324351	Gmdrm	hypo	CG	-0.1083
Gm05	21326248	21326355	Gmdrm	hypo	CG	-0.0467
Gm05	21390089	21390109	Gmdrm	hypo	CG	-0.0766
Gm05	21481959	21482469	Gmdrm	hypo	CG	-0.0664
Gm05	21552747	21552973	Gmdrm	hypo	CG	-0.0708
Gm05	21596651	21596930	Gmdrm	hypo	CG	-0.7554
Gm05	21979681	21980002	Gmdrm	hypo	CG	-0.8932
Gm05	21991139	21991924	Gmdrm	hypo	CG	-0.1873
Gm05	21995571	21995819	Gmdrm	hypo	CG	-0.048
Gm05	21996690	21996894	Gmdrm	hypo	CG	-0.5558
Gm05	22000458	22000530	Gmdrm	hypo	CG	-0.055
Gm05	22013517	22013592	Gmdrm	hypo	CG	-0.105
Gm05	22038314	22038511	Gmdrm	hypo	CG	-0.0575
Gm05	22050167	22050435	Gmdrm	hypo	CG	-0.2804
Gm05	22050774	22050949	Gmdrm	hypo	CG	-0.04
Gm05	22096247	22096431	Gmdrm	hypo	CG	-0.0978
Gm05	22211208	22211456	Gmdrm	hypo	CG	-0.606
Gm05	22217134	22217332	Gmdrm	hypo	CG	-0.4842
Gm05	22218285	22218314	Gmdrm	hypo	CG	-0.1633
Gm05	22218838	22219134	Gmdrm	hypo	CG	-0.6745
Gm05	22262636	22262714	Gmdrm	hypo	CG	-0.0567
Gm05	22293342	22293693	Gmdrm	hypo	CG	-0.066
Gm05	22300593	22301059	Gmdrm	hypo	CG	-0.0622
Gm05	22334213	22334746	Gmdrm	hypo	CG	-0.3512
Gm05	22403028	22403579	Gmdrm	hypo	CG	-0.0641
Gm05	22507871	22507944	Gmdrm	hypo	CG	-0.1372
Gm05	22717343	22717750	Gmdrm	hypo	CG	-0.0374
Gm05	22854878	22855214	Gmdrm	hypo	CG	-0.057
Gm05	22915426	22915780	Gmdrm	hypo	CG	-0.042
Gm05	22915970	22916966	Gmdrm	hypo	CG	-0.0285
Gm05	23017727	23018189	Gmdrm	hypo	CG	-0.0908
Gm05	23037178	23037369	Gmdrm	hypo	CG	-0.3693
Gm05	23069106	23069794	Gmdrm	hypo	CG	-0.0503
Gm05	23119630	23119740	Gmdrm	hypo	CG	-0.067
Gm05	23331740	23331943	Gmdrm	hypo	CG	-0.036
Gm05	23418376	23418902	Gmdrm	hypo	CG	-0.0295
Gm05	23457032	23457120	Gmdrm	hypo	CG	-0.4643
Gm05	23457583	23457790	Gmdrm	hypo	CG	-0.04
Gm05	23458951	23459083	Gmdrm	hypo	CG	-0.4725
Gm05	23459458	23459557	Gmdrm	hypo	CG	-0.07
Gm05	23631289	23631485	Gmdrm	hypo	CG	-0.0315
Gm05	23632140	23632201	Gmdrm	hypo	CG	-0.97
Gm05	23633211	23633315	Gmdrm	hypo	CG	-0.9283
Gm05	23633484	23633587	Gmdrm	hypo	CG	-0.4183
Gm05	23664092	23664424	Gmdrm	hypo	CG	-0.7128

Gm05	23693563	23693623	Gmdrm	hypo	CG	-0.9817
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Gm05	23730858	23731189	Gmdrm	hypo	CG	-0.5648
Gm05	23752736	23752787	Gmdrm	hypo	CG	-0.14
Gm05	23773580	23773742	Gmdrm	hypo	CG	-0.0563
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Gm05	23816852	23817100	Gmdrm	hypo	CG	-0.0343
Gm05	23821995	23822192	Gmdrm	hypo	CG	-0.075
Gm05	23861138	23861439	Gmdrm	hypo	CG	-0.0275
Gm05	23862230	23862655	Gmdrm	hypo	CG	-0.0909
Gm05	23874852	23875094	Gmdrm	hypo	CG	-0.2337
Gm05	23876256	23876712	Gmdrm	hypo	CG	-0.5657
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Gm05	23878278	23878603	Gmdrm	hypo	CG	-0.0829
Gm05	23878948	23879125	Gmdrm	hypo	CG	-0.5819
Gm05	23882755	23882816	Gmdrm	hypo	CG	-0.9067
Gm05	23882930	23882948	Gmdrm	hypo	CG	-0.92
Gm05	23891977	23892222	Gmdrm	hypo	CG	-0.7194
Gm05	23982816	23982940	Gmdrm	hypo	CG	-0.142
Gm05	23984738	23984779	Gmdrm	hypo	CG	-0.082
Gm05	23993374	23993594	Gmdrm	hypo	CG	-0.3375
Gm05	24007605	24007846	Gmdrm	hypo	CG	-0.0571
Gm05	24011682	24011695	Gmdrm	hypo	CG	-0.0534
Gm05	24013147	24013458	Gmdrm	hypo	CG	-0.04
Gm05	24022737	24022858	Gmdrm	hypo	CG	-0.4217
Gm05	24031340	24031360	Gmdrm	hypo	CG	-0.1066
Gm05	24035052	24035421	Gmdrm	hypo	CG	-0.039
Gm05	24063633	24064101	Gmdrm	hypo	CG	-0.0225
Gm05	24130447	24130541	Gmdrm	hypo	CG	-0.8925
Gm05	24152922	24153119	Gmdrm	hypo	CG	-0.0846
Gm05	24177631	24177742	Gmdrm	hypo	CG	-0.1433
Gm05	24268342	24268807	Gmdrm	hypo	CG	-0.05
Gm05	24287030	24287270	Gmdrm	hypo	CG	-0.0411
Gm05	24319351	24319501	Gmdrm	hypo	CG	-0.195
Gm05	24365910	24366000	Gmdrm	hypo	CG	-0.076
Gm05	24391900	24392137	Gmdrm	hypo	CG	-0.0342
Gm05	24414276	24414374	Gmdrm	hypo	CG	-0.1
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Gm05	24516330	24516461	Gmdrm	hypo	CG	-0.0822
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Gm05	24552922	24552952	Gmdrm	hypo	CG	-0.1084
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Gm05	24756172	24756386	Gmdrm	hypo	CG	-0.0978
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Gm05	24788708	24788955	Gmdrm	hypo	CG	-0.4072
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Gm05	24791275	24791294	Gmdrm	hypo	CG	-0.8933
Gm05	24791752	24791770	Gmdrm	hypo	CG	-0.9333
Gm05	24792526	24792580	Gmdrm	hypo	CG	-0.7934
Gm05	24797887	24798103	Gmdrm	hypo	CG	-0.5274
Gm05	24858932	24858996	Gmdrm	hypo	CG	-0.0575
Gm05	24879111	24879377	Gmdrm	hypo	CG	-0.0663
Gm05	24890748	24890825	Gmdrm	hypo	CG	-0.7517
Gm05	24890971	24891223	Gmdrm	hypo	CG	-0.3658
Gm05	24898174	24898459	Gmdrm	hypo	CG	-0.752
Gm05	24899630	24899886	Gmdrm	hypo	CG	-0.1614
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Gm05	24919762	24920049	Gmdrm	hypo	CG	-0.05
Gm05	25012714	25012962	Gmdrm	hypo	CG	-0.9311
Gm05	25033319	25033579	Gmdrm	hypo	CG	-0.5791
Gm05	25034838	25034972	Gmdrm	hypo	CG	-0.74
Gm05	25045083	25045611	Gmdrm	hypo	CG	-0.9168
Gm05	25218854	25219079	Gmdrm	hypo	CG	-0.0514
Gm05	25255110	25255331	Gmdrm	hypo	CG	-0.102
Gm05	25274512	25274588	Gmdrm	hypo	CG	-0.0687
Gm05	25287474	25287527	Gmdrm	hypo	CG	-0.034
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Gm05	25323660	25323886	Gmdrm	hypo	CG	-0.0315
Gm05	25437045	25437145	Gmdrm	hypo	CG	-0.114
Gm05	25460390	25460514	Gmdrm	hypo	CG	-0.123
Gm05	25516105	25516247	Gmdrm	hypo	CG	-0.0914
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Gm05	25616866	25617079	Gmdrm	hypo	CG	-0.0625
Gm05	25627199	25627270	Gmdrm	hypo	CG	-0.0467
Gm05	25673088	25673359	Gmdrm	hypo	CG	-0.0546
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Gm05	25702248	25702333	Gmdrm	hypo	CG	-0.5384
Gm05	25702604	25702800	Gmdrm	hypo	CG	-0.2025
Gm05	25702911	25703163	Gmdrm	hypo	CG	-0.1163
Gm05	25705185	25705356	Gmdrm	hypo	CG	-0.964
Gm05	25705556	25705696	Gmdrm	hypo	CG	-0.4114
Gm05	25708197	25708397	Gmdrm	hypo	CG	-0.521
Gm05	25708663	25708986	Gmdrm	hypo	CG	-0.1046
Gm05	25709115	25709666	Gmdrm	hypo	CG	-0.1882
Gm05	25717077	25717236	Gmdrm	hypo	CG	-0.8438
Gm05	25744803	25744914	Gmdrm	hypo	CG	-0.0733
Gm05	25801492	25802047	Gmdrm	hypo	CG	-0.05
Gm05	25803889	25803903	Gmdrm	hypo	CG	-0.1
Gm05	25813816	25813964	Gmdrm	hypo	CG	-0.705
Gm05	25833626	25834084	Gmdrm	hypo	CG	-0.4409

Gm05	25852768	25853061	Gmdrm	hypo	CG	-0.1011
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Gm05	25981496	25981583	Gmdrm	hypo	CG	-0.0843
Gm05	26029320	26029385	Gmdrm	hypo	CG	-0.1464
Gm05	26039202	26039272	Gmdrm	hypo	CG	-0.82
Gm05	26047931	26047999	Gmdrm	hypo	CG	-0.0463
Gm05	26164549	26164579	Gmdrm	hypo	CG	-0.8983
Gm05	26241355	26241672	Gmdrm	hypo	CG	-0.0403
Gm05	26269055	26269169	Gmdrm	hypo	CG	-0.7138
Gm05	26288918	26288968	Gmdrm	hypo	CG	-0.0683
Gm05	26305546	26306001	Gmdrm	hypo	CG	-0.0604
Gm05	26316332	26316591	Gmdrm	hypo	CG	-0.7629
Gm05	26316969	26317046	Gmdrm	hypo	CG	-0.395
Gm05	26317205	26317395	Gmdrm	hypo	CG	-0.51
Gm05	26348346	26349092	Gmdrm	hypo	CG	-0.0482
Gm05	26378798	26378960	Gmdrm	hypo	CG	-0.8235
Gm05	26379295	26379391	Gmdrm	hypo	CG	-0.4133
Gm05	26384407	26384561	Gmdrm	hypo	CG	-0.6867
Gm05	26398984	26399066	Gmdrm	hypo	CG	-0.725
Gm05	26408244	26408481	Gmdrm	hypo	CG	-0.0785
Gm05	26410659	26410837	Gmdrm	hypo	CG	-0.2391
Gm05	26412891	26413107	Gmdrm	hypo	CG	-0.51
Gm05	26416532	26416781	Gmdrm	hypo	CG	-0.0423
Gm05	26442833	26442942	Gmdrm	hypo	CG	-0.2617
Gm05	26449148	26449652	Gmdrm	hypo	CG	-0.8
Gm05	26457886	26457934	Gmdrm	hypo	CG	-0.6483
Gm05	26473229	26473483	Gmdrm	hypo	CG	-0.043
Gm05	26534884	26535103	Gmdrm	hypo	CG	-0.5912
Gm05	26540588	26540858	Gmdrm	hypo	CG	-0.6488
Gm05	26576487	26577188	Gmdrm	hypo	CG	-0.0285
Gm05	26587581	26587876	Gmdrm	hypo	CG	-0.609
Gm05	26603937	26604502	Gmdrm	hypo	CG	-0.0388
Gm05	26649324	26649342	Gmdrm	hypo	CG	-0.1937
Gm05	26649776	26649794	Gmdrm	hypo	CG	-0.595
Gm05	26650662	26650804	Gmdrm	hypo	CG	-0.915
Gm05	26651336	26651424	Gmdrm	hypo	CG	-0.04
Gm05	26671821	26671915	Gmdrm	hypo	CG	-0.8933
Gm05	26672428	26672655	Gmdrm	hypo	CG	-0.34
Gm05	26678522	26678645	Gmdrm	hypo	CG	-0.2466
Gm05	26678788	26679004	Gmdrm	hypo	CG	-0.3875
Gm05	26685289	26685851	Gmdrm	hypo	CG	-0.0295
Gm05	26704765	26704846	Gmdrm	hypo	CG	-0.955
Gm05	26712392	26712484	Gmdrm	hypo	CG	-0.0433
Gm05	26748151	26748539	Gmdrm	hypo	CG	-0.3063
Gm05	26808280	26808541	Gmdrm	hypo	CG	-0.7207

Gm05	26822209	26822326	Gmdrm	hypo	CG	-0.6411
Gm05	26824006	26824030	Gmdrm	hypo	CG	-0.1217
Gm05	26830952	26831070	Gmdrm	hypo	CG	-0.5012
Gm05	26831838	26832262	Gmdrm	hypo	CG	-0.0931
Gm05	26869371	26869894	Gmdrm	hypo	CG	-0.6321
Gm05	26886035	26886179	Gmdrm	hypo	CG	-0.0725
Gm05	26890567	26890732	Gmdrm	hypo	CG	-0.06
Gm05	26897836	26898406	Gmdrm	hypo	CG	-0.0312
Gm05	26926755	26926769	Gmdrm	hypo	CG	-0.1216
Gm05	26950521	26951498	Gmdrm	hypo	CG	-0.028
Gm05	26994555	26994997	Gmdrm	hypo	CG	-0.0728
Gm05	26997958	26998618	Gmdrm	hypo	CG	-0.0429
Gm05	27071983	27072082	Gmdrm	hypo	CG	-0.242
Gm05	27093039	27093158	Gmdrm	hypo	CG	-0.6071
Gm05	27105592	27105661	Gmdrm	hypo	CG	-0.795
Gm05	27112150	27112694	Gmdrm	hypo	CG	-0.2982
Gm05	27112885	27113114	Gmdrm	hypo	CG	-0.0769
Gm05	27122753	27123051	Gmdrm	hypo	CG	-0.1575
Gm05	27131274	27131395	Gmdrm	hypo	CG	-0.278
Gm05	27135506	27135793	Gmdrm	hypo	CG	-0.5215
Gm05	27170325	27170404	Gmdrm	hypo	CG	-0.0443
Gm05	27174146	27174668	Gmdrm	hypo	CG	-0.0294
Gm05	27187987	27188384	Gmdrm	hypo	CG	-0.0793
Gm05	27201761	27201823	Gmdrm	hypo	CG	-0.1525
Gm05	27240895	27241022	Gmdrm	hypo	CG	-0.7188
Gm05	27252757	27252812	Gmdrm	hypo	CG	-0.1325
Gm05	27285224	27285295	Gmdrm	hypo	CG	-0.4
Gm05	27290563	27290947	Gmdrm	hypo	CG	-0.3438
Gm05	27296392	27296579	Gmdrm	hypo	CG	-0.0457
Gm05	27321647	27321833	Gmdrm	hypo	CG	-0.2158
Gm05	27324963	27325029	Gmdrm	hypo	CG	-0.3725
Gm05	27371758	27371913	Gmdrm	hypo	CG	-0.0867
Gm05	27378122	27378508	Gmdrm	hypo	CG	-0.4914
Gm05	27390576	27390750	Gmdrm	hypo	CG	-0.0656
Gm05	27399140	27399167	Gmdrm	hypo	CG	-0.7566
Gm05	27438856	27439306	Gmdrm	hypo	CG	-0.0931
Gm05	27440336	27440438	Gmdrm	hypo	CG	-0.78
Gm05	27453743	27454043	Gmdrm	hypo	CG	-0.348
Gm05	27459305	27459447	Gmdrm	hypo	CG	-0.0459
Gm05	27472100	27472530	Gmdrm	hypo	CG	-0.0731
Gm05	27474927	27475084	Gmdrm	hypo	CG	-0.0915
Gm05	27477722	27478014	Gmdrm	hypo	CG	-0.3983
Gm05	27519002	27519270	Gmdrm	hypo	CG	-0.065
Gm05	27561925	27562307	Gmdrm	hypo	CG	-0.1938
Gm05	27576880	27576966	Gmdrm	hypo	CG	-0.0388
Gm05	27578497	27578532	Gmdrm	hypo	CG	-0.045

Gm05	27620597	27620878	Gmdrm	hypo	CG	-0.6564
Gm05	27630541	27630762	Gmdrm	hypo	CG	-0.497
Gm05	27633313	27633481	Gmdrm	hypo	CG	-0.8455
Gm05	27636850	27637101	Gmdrm	hypo	CG	-0.4706
Gm05	27639689	27639930	Gmdrm	hypo	CG	-0.095
Gm05	27651439	27651501	Gmdrm	hypo	CG	-0.8537
Gm05	27652328	27652497	Gmdrm	hypo	CG	-0.2074
Gm05	27652612	27652629	Gmdrm	hypo	CG	-0.1084
Gm05	27661393	27661611	Gmdrm	hypo	CG	-0.6143
Gm05	27673850	27674622	Gmdrm	hypo	CG	-0.1793
Gm05	27707767	27707913	Gmdrm	hypo	CG	-0.1664
Gm05	27725668	27726099	Gmdrm	hypo	CG	-0.2778
Gm05	27726212	27726393	Gmdrm	hypo	CG	-0.2075
Gm05	27740858	27740942	Gmdrm	hypo	CG	-0.702
Gm05	27744372	27744510	Gmdrm	hypo	CG	-0.0467
Gm05	27747126	27747184	Gmdrm	hypo	CG	-0.6817
Gm05	27757287	27757425	Gmdrm	hypo	CG	-0.1956
Gm05	27786660	27786833	Gmdrm	hypo	CG	-0.0521
Gm05	27813523	27813598	Gmdrm	hypo	CG	-0.6292
Gm05	27813707	27813720	Gmdrm	hypo	CG	-0.84
Gm05	27814818	27815129	Gmdrm	hypo	CG	-0.4814
Gm05	27817812	27817914	Gmdrm	hypo	CG	-0.695
Gm05	27831305	27831507	Gmdrm	hypo	CG	-0.3419
Gm05	27834816	27834889	Gmdrm	hypo	CG	-0.9
Gm05	27835049	27835196	Gmdrm	hypo	CG	-0.7141
Gm05	27841800	27842056	Gmdrm	hypo	CG	-0.926
Gm05	27842207	27842325	Gmdrm	hypo	CG	-0.8924
Gm05	27844276	27844544	Gmdrm	hypo	CG	-0.8088
Gm05	27851381	27851435	Gmdrm	hypo	CG	-0.2367
Gm05	27865590	27865767	Gmdrm	hypo	CG	-0.4787
Gm05	27894998	27895283	Gmdrm	hypo	CG	-0.5284
Gm05	27907913	27908023	Gmdrm	hypo	CG	-0.64
Gm05	27949558	27949698	Gmdrm	hypo	CG	-0.7183
Gm05	27952512	27952692	Gmdrm	hypo	CG	-0.5523
Gm05	27980401	27980510	Gmdrm	hypo	CG	-0.058
Gm05	27985200	27985368	Gmdrm	hypo	CG	-0.0692
Gm05	28019352	28019545	Gmdrm	hypo	CG	-0.088
Gm05	28020370	28020457	Gmdrm	hypo	CG	-0.5966
Gm05	28025153	28025401	Gmdrm	hypo	CG	-0.5362
Gm05	28064562	28064778	Gmdrm	hypo	CG	-0.0472
Gm05	28171091	28171237	Gmdrm	hypo	CG	-0.1334
Gm05	28303940	28304012	Gmdrm	hypo	CG	-0.9433
Gm05	28315762	28315962	Gmdrm	hypo	CG	-0.1346
Gm05	28333972	28334111	Gmdrm	hypo	CG	-0.675
Gm05	28335566	28336027	Gmdrm	hypo	CG	-0.092
Gm05	28347944	28348386	Gmdrm	hypo	CG	-0.0572

Gm05	28352946	28353135	Gmdrm	hypo	CG	-0.061
Gm05	28368795	28369203	Gmdrm	hypo	CG	-0.0608
Gm05	28380392	28380652	Gmdrm	hypo	CG	-0.4684
Gm05	28381287	28381626	Gmdrm	hypo	CG	-0.3886
Gm05	28390768	28390853	Gmdrm	hypo	CG	-0.7159
Gm05	28390987	28391266	Gmdrm	hypo	CG	-0.4506
Gm05	28398706	28398935	Gmdrm	hypo	CG	-0.05
Gm05	28400902	28401254	Gmdrm	hypo	CG	-0.054
Gm05	28445331	28445455	Gmdrm	hypo	CG	-0.8187
Gm05	28473649	28473906	Gmdrm	hypo	CG	-0.4917
Gm05	28476791	28476995	Gmdrm	hypo	CG	-0.746
Gm05	28558095	28558266	Gmdrm	hypo	CG	-0.545
Gm05	28558516	28558693	Gmdrm	hypo	CG	-0.887
Gm05	28559097	28559317	Gmdrm	hypo	CG	-0.407
Gm05	28560301	28560519	Gmdrm	hypo	CG	-0.6874
Gm05	28567495	28567570	Gmdrm	hypo	CG	-0.1
Gm05	28567936	28568007	Gmdrm	hypo	CG	-0.3657
Gm05	28586826	28587208	Gmdrm	hypo	CG	-0.3206
Gm05	28594547	28594576	Gmdrm	hypo	CG	-0.5667
Gm05	28595399	28595487	Gmdrm	hypo	CG	-0.895
Gm05	28610378	28610563	Gmdrm	hypo	CG	-0.6572
Gm05	28625992	28626166	Gmdrm	hypo	CG	-0.0459
Gm05	28626278	28626434	Gmdrm	hypo	CG	-0.0822
Gm05	28633541	28633634	Gmdrm	hypo	CG	-0.465
Gm05	28639089	28639782	Gmdrm	hypo	CG	-0.1461
Gm05	28640576	28640736	Gmdrm	hypo	CG	-0.1775
Gm05	28640924	28641172	Gmdrm	hypo	CG	-0.3422
Gm05	28653958	28654080	Gmdrm	hypo	CG	-0.9186
Gm05	28654551	28654726	Gmdrm	hypo	CG	-0.441
Gm05	28672078	28672328	Gmdrm	hypo	CG	-0.4183
Gm05	28677008	28677111	Gmdrm	hypo	CG	-0.1888
Gm05	28677284	28677497	Gmdrm	hypo	CG	-0.262
Gm05	28681686	28682010	Gmdrm	hypo	CG	-0.21
Gm05	28684919	28684955	Gmdrm	hypo	CG	-0.8833
Gm05	28701260	28701424	Gmdrm	hypo	CG	-0.897
Gm05	28701606	28701705	Gmdrm	hypo	CG	-0.358
Gm05	28707790	28707835	Gmdrm	hypo	CG	-0.1012
Gm05	28708019	28708219	Gmdrm	hypo	CG	-0.5242
Gm05	28721663	28721929	Gmdrm	hypo	CG	-0.9068
Gm05	28735002	28735467	Gmdrm	hypo	CG	-0.0809
Gm05	28944784	28945590	Gmdrm	hypo	CG	-0.0516
Gm05	28972337	28973235	Gmdrm	hypo	CG	-0.2994
Gm05	29005737	29005907	Gmdrm	hypo	CG	-0.7483
Gm05	29006031	29006380	Gmdrm	hypo	CG	-0.3715
Gm05	29010219	29010395	Gmdrm	hypo	CG	-0.105
Gm05	29113375	29113675	Gmdrm	hypo	CG	-0.8726

Gm05	29138864	29139097	Gmdrm	hypo	CG	-0.7215
Gm05	29143966	29144040	Gmdrm	hypo	CG	-0.0916
Gm05	29171846	29171947	Gmdrm	hypo	CG	-0.6233
Gm05	29195331	29196207	Gmdrm	hypo	CG	-0.0813
Gm05	29227504	29228120	Gmdrm	hypo	CG	-0.0244
Gm05	29244251	29244582	Gmdrm	hypo	CG	-0.2264
Gm05	29260631	29260850	Gmdrm	hypo	CG	-0.3633
Gm05	29270831	29270904	Gmdrm	hypo	CG	-0.4633
Gm05	29278488	29278553	Gmdrm	hypo	CG	-0.8484
Gm05	29279704	29280025	Gmdrm	hypo	CG	-0.5176
Gm05	29304000	29304182	Gmdrm	hypo	CG	-0.6791
Gm05	29304288	29304373	Gmdrm	hypo	CG	-0.4984
Gm05	29324063	29324238	Gmdrm	hypo	CG	-0.3656
Gm05	29324390	29324453	Gmdrm	hypo	CG	-0.6517
Gm05	29346967	29347758	Gmdrm	hypo	CG	-0.0435
Gm05	29371302	29371430	Gmdrm	hypo	CG	-0.5325
Gm05	29384359	29384743	Gmdrm	hypo	CG	-0.0439
Gm05	29438281	29438545	Gmdrm	hypo	CG	-0.0808
Gm05	29502849	29503107	Gmdrm	hypo	CG	-0.0409
Gm05	29522250	29522330	Gmdrm	hypo	CG	-0.4767
Gm05	29553938	29554065	Gmdrm	hypo	CG	-0.669
Gm05	29584993	29585149	Gmdrm	hypo	CG	-0.0413
Gm05	29592465	29593459	Gmdrm	hypo	CG	-0.0646
Gm05	29679641	29679725	Gmdrm	hypo	CG	-0.6845
Gm05	29720368	29720491	Gmdrm	hypo	CG	-0.0684
Gm05	29749379	29749568	Gmdrm	hypo	CG	-0.813
Gm05	29749674	29749783	Gmdrm	hypo	CG	-0.9134
Gm05	29768094	29768381	Gmdrm	hypo	CG	-0.907
Gm05	29787021	29787263	Gmdrm	hypo	CG	-0.5986
Gm05	29788440	29788592	Gmdrm	hypo	CG	-0.119
Gm05	29809107	29809264	Gmdrm	hypo	CG	-0.042
Gm05	29813124	29813162	Gmdrm	hypo	CG	-0.7583
Gm05	29821091	29821190	Gmdrm	hypo	CG	-0.08
Gm05	29826523	29826851	Gmdrm	hypo	CG	-0.0733
Gm05	29839814	29839925	Gmdrm	hypo	CG	-0.049
Gm05	29848486	29848658	Gmdrm	hypo	CG	-0.0443
Gm05	29861787	29861941	Gmdrm	hypo	CG	-0.0637
Gm05	29865161	29865595	Gmdrm	hypo	CG	-0.5041
Gm05	29873809	29873900	Gmdrm	hypo	CG	-0.5262
Gm05	29904933	29905121	Gmdrm	hypo	CG	-0.0588
Gm05	29927251	29927654	Gmdrm	hypo	CG	-0.0382
Gm05	29959388	29959894	Gmdrm	hypo	CG	-0.1413
Gm05	29963444	29963576	Gmdrm	hypo	CG	-0.5817
Gm05	29972453	29972610	Gmdrm	hypo	CG	-0.3307
Gm05	29978200	29978635	Gmdrm	hypo	CG	-0.0492
Gm05	29984330	29984415	Gmdrm	hypo	CG	-0.931

Gm05	29987935	29987977	Gmdrm	hypo	CG	-0.136
Gm05	29988131	29988274	Gmdrm	hypo	CG	-0.6333
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Gm05	30045197	30045388	Gmdrm	hypo	CG	-0.7888
Gm05	30059518	30059586	Gmdrm	hypo	CG	-0.87
Gm05	30103499	30103650	Gmdrm	hypo	CG	-0.6243
Gm05	30103990	30104178	Gmdrm	hypo	CG	-0.667
Gm05	30108219	30108266	Gmdrm	hypo	CG	-0.075
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Gm05	30110483	30110669	Gmdrm	hypo	CG	-0.695
Gm05	30110782	30111163	Gmdrm	hypo	CG	-0.4958
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Gm05	30138627	30138895	Gmdrm	hypo	CG	-0.1
Gm05	30140953	30141045	Gmdrm	hypo	CG	-0.365
Gm05	30141223	30141370	Gmdrm	hypo	CG	-0.705
Gm05	30212574	30212650	Gmdrm	hypo	CG	-0.6267
Gm05	30259974	30260005	Gmdrm	hypo	CG	-0.2017
Gm05	30281194	30281508	Gmdrm	hypo	CG	-0.7282
Gm05	30281615	30281772	Gmdrm	hypo	CG	-0.594
Gm05	30329661	30329729	Gmdrm	hypo	CG	-0.228
Gm05	30329858	30330012	Gmdrm	hypo	CG	-0.1313
Gm05	30344084	30344134	Gmdrm	hypo	CG	-0.1933
Gm05	30347358	30347503	Gmdrm	hypo	CG	-0.8391
Gm05	30350689	30350836	Gmdrm	hypo	CG	-0.107
Gm05	30356816	30357115	Gmdrm	hypo	CG	-0.0719
Gm05	30377592	30377638	Gmdrm	hypo	CG	-0.51
Gm05	30378937	30379121	Gmdrm	hypo	CG	-0.4487
Gm05	30382309	30382473	Gmdrm	hypo	CG	-0.3375
Gm05	30389614	30389979	Gmdrm	hypo	CG	-0.1427
Gm05	30403201	30403449	Gmdrm	hypo	CG	-0.4715
Gm05	30476573	30476687	Gmdrm	hypo	CG	-0.046
Gm05	30483797	30483936	Gmdrm	hypo	CG	-0.4463
Gm05	30502293	30502449	Gmdrm	hypo	CG	-0.1994
Gm05	30508127	30508186	Gmdrm	hypo	CG	-0.385
Gm05	30510994	30511406	Gmdrm	hypo	CG	-0.5564
Gm05	30512455	30512631	Gmdrm	hypo	CG	-0.9575
Gm05	30535978	30536108	Gmdrm	hypo	CG	-0.052
Gm05	30547346	30547396	Gmdrm	hypo	CG	-0.592
Gm05	30551999	30552051	Gmdrm	hypo	CG	-0.7333
Gm05	30568403	30568523	Gmdrm	hypo	CG	-0.0575
Gm05	30694675	30694957	Gmdrm	hypo	CG	-0.465
Gm05	30701899	30701977	Gmdrm	hypo	CG	-0.3017
Gm05	30727467	30727609	Gmdrm	hypo	CG	-0.211
Gm05	30727900	30728033	Gmdrm	hypo	CG	-0.1083
Gm05	30748741	30748972	Gmdrm	hypo	CG	-0.265

Gm05	30764617	30764700	Gmdrm	hypo	CG	-0.555
Gm05	30821354	30822059	Gmdrm	hypo	CG	-0.0392
Gm05	30887333	30887405	Gmdrm	hypo	CG	-0.0533
Gm05	30989378	30989610	Gmdrm	hypo	CG	-0.476
Gm05	31005989	31006148	Gmdrm	hypo	CG	-0.206
Gm05	31007647	31007733	Gmdrm	hypo	CG	-0.95
Gm05	31009101	31009176	Gmdrm	hypo	CG	-0.9733
Gm05	31009280	31009298	Gmdrm	hypo	CG	-0.68
Gm05	31029374	31029809	Gmdrm	hypo	CG	-0.2288
Gm05	31032455	31032482	Gmdrm	hypo	CG	-0.24
Gm05	31032989	31033096	Gmdrm	hypo	CG	-0.395
Gm05	31033470	31033588	Gmdrm	hypo	CG	-0.275
Gm05	31033737	31034004	Gmdrm	hypo	CG	-0.1395
Gm05	31034710	31035200	Gmdrm	hypo	CG	-0.8803
Gm05	31037245	31037303	Gmdrm	hypo	CG	-0.6616
Gm05	31037688	31037897	Gmdrm	hypo	CG	-0.8206
Gm05	31039887	31039939	Gmdrm	hypo	CG	-0.9133
Gm05	31043167	31043362	Gmdrm	hypo	CG	-0.8015
Gm05	31060604	31060768	Gmdrm	hypo	CG	-0.0789
Gm05	31100092	31100134	Gmdrm	hypo	CG	-0.4467
Gm05	31100250	31100472	Gmdrm	hypo	CG	-0.3376
Gm05	31119145	31119304	Gmdrm	hypo	CG	-0.0612
Gm05	31191419	31191547	Gmdrm	hypo	CG	-0.4883
Gm05	31210384	31210469	Gmdrm	hypo	CG	-0.7717
Gm05	31211251	31211648	Gmdrm	hypo	CG	-0.3312
Gm05	31212223	31212490	Gmdrm	hypo	CG	-0.5364
Gm05	31224548	31224632	Gmdrm	hypo	CG	-0.818
Gm05	31224769	31225078	Gmdrm	hypo	CG	-0.3806
Gm05	31226353	31226593	Gmdrm	hypo	CG	-0.4035
Gm05	31226768	31226800	Gmdrm	hypo	CG	-0.0766
Gm05	31228845	31228926	Gmdrm	hypo	CG	-0.476
Gm05	31229684	31229744	Gmdrm	hypo	CG	-0.57
Gm05	31232453	31232538	Gmdrm	hypo	CG	-0.052
Gm05	31235076	31235162	Gmdrm	hypo	CG	-0.6417
Gm05	31238743	31238772	Gmdrm	hypo	CG	-0.9717
Gm05	31238973	31239157	Gmdrm	hypo	CG	-0.3137
Gm05	31263552	31263629	Gmdrm	hypo	CG	-0.9566
Gm05	31284224	31284401	Gmdrm	hypo	CG	-0.7275
Gm05	31287547	31287559	Gmdrm	hypo	CG	-0.1333
Gm05	31316795	31316948	Gmdrm	hypo	CG	-0.0943
Gm05	31338028	31338162	Gmdrm	hypo	CG	-0.4025
Gm05	31343486	31343555	Gmdrm	hypo	CG	-0.9775
Gm05	31361897	31362136	Gmdrm	hypo	CG	-0.4871
Gm05	31397116	31397159	Gmdrm	hypo	CG	-0.832
Gm05	31397534	31397866	Gmdrm	hypo	CG	-0.7508
Gm05	31413643	31413867	Gmdrm	hypo	CG	-0.6025

Gm05	31446852	31446902	Gmdrm	hypo	CG	-0.625
Gm05	31493093	31493236	Gmdrm	hypo	CG	-0.7983
Gm05	31499852	31500208	Gmdrm	hypo	CG	-0.405
Gm05	31526975	31527291	Gmdrm	hypo	CG	-0.0707
Gm05	31585945	31586120	Gmdrm	hypo	CG	-0.4375
Gm05	31588199	31588386	Gmdrm	hypo	CG	-0.5887
Gm05	31598834	31599023	Gmdrm	hypo	CG	-0.0243
Gm05	31602210	31602282	Gmdrm	hypo	CG	-0.61
Gm05	31603406	31603473	Gmdrm	hypo	CG	-0.8483
Gm05	31603620	31604036	Gmdrm	hypo	CG	-0.0285
Gm05	31609662	31609736	Gmdrm	hypo	CG	-0.7317
Gm05	31609948	31610150	Gmdrm	hypo	CG	-0.5755
Gm05	31621996	31622165	Gmdrm	hypo	CG	-0.3662
Gm05	31634995	31635183	Gmdrm	hypo	CG	-0.376
Gm05	31636750	31636824	Gmdrm	hypo	CG	-0.2633
Gm05	31637301	31637441	Gmdrm	hypo	CG	-0.1112
Gm05	31637926	31638046	Gmdrm	hypo	CG	-0.9
Gm05	31638165	31638239	Gmdrm	hypo	CG	-0.607
Gm05	31638651	31638775	Gmdrm	hypo	CG	-0.5383
Gm05	31639184	31639232	Gmdrm	hypo	CG	-0.166
Gm05	31659256	31659366	Gmdrm	hypo	CG	-0.945
Gm05	31660536	31660612	Gmdrm	hypo	CG	-0.3017
Gm05	31663544	31663694	Gmdrm	hypo	CG	-0.4425
Gm05	31670539	31670775	Gmdrm	hypo	CG	-0.6563
Gm05	31670928	31671040	Gmdrm	hypo	CG	-0.6138
Gm05	31716651	31717079	Gmdrm	hypo	CG	-0.464
Gm05	31741373	31741649	Gmdrm	hypo	CG	-0.3181
Gm05	31744545	31744802	Gmdrm	hypo	CG	-0.5217
Gm05	31787631	31787715	Gmdrm	hypo	CG	-0.6433
Gm05	31802595	31802803	Gmdrm	hypo	CG	-0.9681
Gm05	31803235	31803330	Gmdrm	hypo	CG	-0.065
Gm05	31822989	31823229	Gmdrm	hypo	CG	-0.7222
Gm05	31842344	31842513	Gmdrm	hypo	CG	-0.563
Gm05	31842724	31842850	Gmdrm	hypo	CG	-0.7187
Gm05	31852079	31852309	Gmdrm	hypo	CG	-0.553
Gm05	31862609	31862787	Gmdrm	hypo	CG	-0.1892
Gm05	31874485	31874552	Gmdrm	hypo	CG	-0.2437
Gm05	31875377	31875485	Gmdrm	hypo	CG	-0.5276
Gm05	31882153	31882369	Gmdrm	hypo	CG	-0.161
Gm05	31883590	31884552	Gmdrm	hypo	CG	-0.0931
Gm05	31886302	31886734	Gmdrm	hypo	CG	-0.674
Gm05	31890575	31890718	Gmdrm	hypo	CG	-0.3062
Gm05	31897667	31897753	Gmdrm	hypo	CG	-0.9433
Gm05	31908295	31908367	Gmdrm	hypo	CG	-0.706
Gm05	31922989	31923241	Gmdrm	hypo	CG	-0.14
Gm05	31930916	31931002	Gmdrm	hypo	CG	-0.9683

Gm05	31935920	31936072	Gmdrm	hypo	CG	-0.885
Gm05	31953128	31953237	Gmdrm	hypo	CG	-0.592
Gm05	31957342	31957348	Gmdrm	hypo	CG	-0.9033
Gm05	31968371	31968545	Gmdrm	hypo	CG	-0.6179
Gm05	31993790	31993885	Gmdrm	hypo	CG	-0.9162
Gm05	31997828	31997881	Gmdrm	hypo	CG	-0.865
Gm05	32002433	32002502	Gmdrm	hypo	CG	-0.86
Gm05	32037317	32037395	Gmdrm	hypo	CG	-0.1466
Gm05	32039786	32039892	Gmdrm	hypo	CG	-0.5617
Gm05	32044624	32044820	Gmdrm	hypo	CG	-0.0433
Gm05	32057622	32057647	Gmdrm	hypo	CG	-0.8137
Gm05	32076487	32076575	Gmdrm	hypo	CG	-0.8884
Gm05	32094337	32094590	Gmdrm	hypo	CG	-0.055
Gm05	32105122	32105629	Gmdrm	hypo	CG	-0.6121
Gm05	32129206	32129253	Gmdrm	hypo	CG	-0.8775
Gm05	32129391	32129443	Gmdrm	hypo	CG	-0.9317
Gm05	32129568	32130372	Gmdrm	hypo	CG	-0.0835
Gm05	32135374	32135550	Gmdrm	hypo	CG	-0.9
Gm05	32140989	32141002	Gmdrm	hypo	CG	-0.0624
Gm05	32155373	32155627	Gmdrm	hypo	CG	-0.4539
Gm05	32162174	32162269	Gmdrm	hypo	CG	-0.58
Gm05	32179963	32180090	Gmdrm	hypo	CG	-0.075
Gm05	32184361	32184695	Gmdrm	hypo	CG	-0.4757
Gm05	32204157	32204309	Gmdrm	hypo	CG	-0.8443
Gm05	32207468	32207630	Gmdrm	hypo	CG	-0.79
Gm05	32213847	32213936	Gmdrm	hypo	CG	-0.9216
Gm05	32219825	32219937	Gmdrm	hypo	CG	-0.7183
Gm05	32228883	32229007	Gmdrm	hypo	CG	-0.085
Gm05	32289242	32289423	Gmdrm	hypo	CG	-0.7463
Gm05	32295396	32295479	Gmdrm	hypo	CG	-0.1783
Gm05	32306102	32306266	Gmdrm	hypo	CG	-0.04
Gm05	32339873	32339922	Gmdrm	hypo	CG	-0.855
Gm05	32346501	32346937	Gmdrm	hypo	CG	-0.2242
Gm05	32358055	32358505	Gmdrm	hypo	CG	-0.5495
Gm05	32360401	32360448	Gmdrm	hypo	CG	-0.9833
Gm05	32372846	32372944	Gmdrm	hypo	CG	-0.587
Gm05	32380732	32380885	Gmdrm	hypo	CG	-0.9664
Gm05	32381055	32381159	Gmdrm	hypo	CG	-0.9066
Gm05	32388263	32388452	Gmdrm	hypo	CG	-0.0457
Gm05	32414095	32414179	Gmdrm	hypo	CG	-0.545
Gm05	32414574	32414824	Gmdrm	hypo	CG	-0.4793
Gm05	32415757	32415807	Gmdrm	hypo	CG	-0.87
Gm05	32469416	32469687	Gmdrm	hypo	CG	-0.6065
Gm05	32481414	32481552	Gmdrm	hypo	CG	-0.8367
Gm05	32536967	32537129	Gmdrm	hypo	CG	-0.042
Gm05	32539971	32540182	Gmdrm	hypo	CG	-0.844

Gm05	32540313	32540480	Gmdrm	hypo	CG	-0.5829
Gm05	32563351	32563604	Gmdrm	hypo	CG	-0.8192
Gm05	32634443	32634488	Gmdrm	hypo	CG	-0.8667
Gm05	32642772	32643040	Gmdrm	hypo	CG	-0.9044
Gm05	32643797	32643979	Gmdrm	hypo	CG	-0.9427
Gm05	32690694	32690710	Gmdrm	hypo	CG	-0.6534
Gm05	32691754	32691823	Gmdrm	hypo	CG	-0.7583
Gm05	32748947	32749018	Gmdrm	hypo	CG	-0.2621
Gm05	32749363	32749483	Gmdrm	hypo	CG	-0.234
Gm05	32760151	32760228	Gmdrm	hypo	CG	-0.0733
Gm05	32760873	32760973	Gmdrm	hypo	CG	-0.9133
Gm05	32764689	32765042	Gmdrm	hypo	CG	-0.7338
Gm05	32765178	32765397	Gmdrm	hypo	CG	-0.12
Gm05	32765712	32765956	Gmdrm	hypo	CG	-0.3923
Gm05	32768767	32768805	Gmdrm	hypo	CG	-0.953
Gm05	32769153	32769292	Gmdrm	hypo	CG	-0.7975
Gm05	32800316	32800406	Gmdrm	hypo	CG	-0.8363
Gm05	32802747	32803032	Gmdrm	hypo	CG	-0.4725
Gm05	32807522	32807589	Gmdrm	hypo	CG	-0.06
Gm05	32811347	32811551	Gmdrm	hypo	CG	-0.0386
Gm05	32819825	32819959	Gmdrm	hypo	CG	-0.042
Gm05	32832578	32832732	Gmdrm	hypo	CG	-0.902
Gm05	32847442	32847527	Gmdrm	hypo	CG	-0.5967
Gm05	32849208	32849348	Gmdrm	hypo	CG	-0.935
Gm05	32849455	32849590	Gmdrm	hypo	CG	-0.6117
Gm05	32857742	32857997	Gmdrm	hypo	CG	-0.4362
Gm05	32858224	32858350	Gmdrm	hypo	CG	-0.1614
Gm05	32858888	32858925	Gmdrm	hypo	CG	-0.7213
Gm05	32860706	32860949	Gmdrm	hypo	CG	-0.6186
Gm05	32863416	32863529	Gmdrm	hypo	CG	-0.422
Gm05	32863911	32864163	Gmdrm	hypo	CG	-0.2752
Gm05	32878575	32878772	Gmdrm	hypo	CG	-0.331
Gm05	32885082	32885274	Gmdrm	hypo	CG	-0.79
Gm05	32924851	32925138	Gmdrm	hypo	CG	-0.4659
Gm05	32951437	32951476	Gmdrm	hypo	CG	-0.9
Gm05	32958643	32958681	Gmdrm	hypo	CG	-0.7716
Gm05	32981221	32981362	Gmdrm	hypo	CG	-0.4
Gm05	32981893	32982095	Gmdrm	hypo	CG	-0.2088
Gm05	32983086	32983225	Gmdrm	hypo	CG	-0.6183
Gm05	32985954	32986215	Gmdrm	hypo	CG	-0.8675
Gm05	33119671	33119783	Gmdrm	hypo	CG	-0.4034
Gm05	33138450	33138579	Gmdrm	hypo	CG	-0.7034
Gm05	33138709	33139185	Gmdrm	hypo	CG	-0.7406
Gm05	33139300	33139463	Gmdrm	hypo	CG	-0.784
Gm05	33152676	33152712	Gmdrm	hypo	CG	-0.5587
Gm05	33185012	33185080	Gmdrm	hypo	CG	-0.9012

Gm05	33245085	33245146	Gmdrm	hypo	CG	-0.899
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Gm05	33277064	33277404	Gmdrm	hypo	CG	-0.8211
Gm05	33278619	33279061	Gmdrm	hypo	CG	-0.5756
Gm05	33290732	33291122	Gmdrm	hypo	CG	-0.5013
Gm05	33292250	33292580	Gmdrm	hypo	CG	-0.1725
Gm05	33300438	33300698	Gmdrm	hypo	CG	-0.4768
Gm05	33307195	33307351	Gmdrm	hypo	CG	-0.8465
Gm05	33323734	33323981	Gmdrm	hypo	CG	-0.0306
Gm05	33341128	33341310	Gmdrm	hypo	CG	-0.1193
Gm05	33341787	33341974	Gmdrm	hypo	CG	-0.474
Gm05	33346164	33346207	Gmdrm	hypo	CG	-0.756
Gm05	33359445	33359629	Gmdrm	hypo	CG	-0.9542
Gm05	33364103	33364139	Gmdrm	hypo	CG	-0.038
Gm05	33378998	33379195	Gmdrm	hypo	CG	-0.9025
Gm05	33382728	33382873	Gmdrm	hypo	CG	-0.234
Gm05	33390589	33390642	Gmdrm	hypo	CG	-0.0575
Gm05	33401892	33402013	Gmdrm	hypo	CG	-0.8858
Gm05	33409736	33410057	Gmdrm	hypo	CG	-0.6625
Gm05	33435683	33435894	Gmdrm	hypo	CG	-0.036
Gm05	33453515	33453973	Gmdrm	hypo	CG	-0.0234
Gm05	33484396	33484696	Gmdrm	hypo	CG	-0.4459
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Gm05	33485149	33485258	Gmdrm	hypo	CG	-0.775
Gm05	33486266	33486403	Gmdrm	hypo	CG	-0.522
Gm05	33493102	33493623	Gmdrm	hypo	CG	-0.0262
Gm05	33493835	33493999	Gmdrm	hypo	CG	-0.278
Gm05	33529476	33529659	Gmdrm	hypo	CG	-0.718
Gm05	33530012	33530117	Gmdrm	hypo	CG	-0.823
Gm05	33546918	33547116	Gmdrm	hypo	CG	-0.866
Gm05	33547283	33547356	Gmdrm	hypo	CG	-0.8887
Gm05	33559207	33559237	Gmdrm	hypo	CG	-0.92
Gm05	33584607	33584828	Gmdrm	hypo	CG	-0.246
Gm05	33597375	33597517	Gmdrm	hypo	CG	-0.91
Gm05	33597813	33597897	Gmdrm	hypo	CG	-0.7783
Gm05	33603893	33603947	Gmdrm	hypo	CG	-0.1583
Gm05	33604191	33604611	Gmdrm	hypo	CG	-0.0978
Gm05	33611598	33611696	Gmdrm	hypo	CG	-0.5975
Gm05	33622751	33622838	Gmdrm	hypo	CG	-0.964
Gm05	33623279	33623370	Gmdrm	hypo	CG	-0.7892
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Gm05	33639909	33640165	Gmdrm	hypo	CG	-0.0354
Gm05	33641076	33641138	Gmdrm	hypo	CG	-0.973
Gm05	33644599	33644662	Gmdrm	hypo	CG	-0.923
Gm05	33644938	33645167	Gmdrm	hypo	CG	-0.4438
Gm05	33652882	33653133	Gmdrm	hypo	CG	-0.3922

Gm05	33658855	33658921	Gmdrm	hypo	CG	-0.942
Gm05	33660799	33660978	Gmdrm	hypo	CG	-0.82
Gm05	33667022	33667239	Gmdrm	hypo	CG	-0.7853
Gm05	33667358	33667414	Gmdrm	hypo	CG	-0.8833
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Gm05	33678178	33678820	Gmdrm	hypo	CG	-0.3215
Gm05	33678962	33679129	Gmdrm	hypo	CG	-0.566
Gm05	33680008	33680335	Gmdrm	hypo	CG	-0.8123
Gm05	33687018	33687121	Gmdrm	hypo	CG	-0.5063
Gm05	33743807	33744242	Gmdrm	hypo	CG	-0.415
Gm05	33744544	33744645	Gmdrm	hypo	CG	-0.8693
Gm05	33750419	33750575	Gmdrm	hypo	CG	-0.12
Gm05	33752485	33752961	Gmdrm	hypo	CG	-0.099
Gm05	33767838	33767938	Gmdrm	hypo	CG	-0.055
Gm05	33768585	33768884	Gmdrm	hypo	CG	-0.082
Gm05	33769402	33769550	Gmdrm	hypo	CG	-0.2309
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Gm05	33770865	33771108	Gmdrm	hypo	CG	-0.7953
Gm05	33794179	33794509	Gmdrm	hypo	CG	-0.3969
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Gm05	33832138	33832258	Gmdrm	hypo	CG	-0.888
Gm05	33832457	33832602	Gmdrm	hypo	CG	-0.7
Gm05	33875834	33876059	Gmdrm	hypo	CG	-0.5227
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Gm05	33882963	33883220	Gmdrm	hypo	CG	-0.098
Gm05	33886977	33887026	Gmdrm	hypo	CG	-0.9684
Gm05	33906012	33906141	Gmdrm	hypo	CG	-0.7534
Gm05	33912765	33912819	Gmdrm	hypo	CG	-0.845
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Gm05	33942075	33942467	Gmdrm	hypo	CG	-0.4335
Gm05	33947886	33948237	Gmdrm	hypo	CG	-0.2519
Gm05	33949475	33949644	Gmdrm	hypo	CG	-0.9285
Gm05	33951284	33951402	Gmdrm	hypo	CG	-0.952
Gm05	33951949	33952240	Gmdrm	hypo	CG	-0.3943
Gm05	33960197	33960334	Gmdrm	hypo	CG	-0.2787
Gm05	33971282	33971455	Gmdrm	hypo	CG	-0.12
Gm05	33982573	33982644	Gmdrm	hypo	CG	-0.13
Gm05	33986348	33986432	Gmdrm	hypo	CG	-0.024
Gm05	34000883	34001018	Gmdrm	hypo	CG	-0.6172
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Gm05	34090651	34091271	Gmdrm	hypo	CG	-0.1832
Gm05	34094820	34094925	Gmdrm	hypo	CG	-0.2
Gm05	34113352	34113685	Gmdrm	hypo	CG	-0.4012
Gm05	34120881	34120978	Gmdrm	hypo	CG	-0.35
Gm05	34121338	34121480	Gmdrm	hypo	CG	-0.886

Gm05	34122920	34122968	Gmdrm	hypo	CG	-0.8067
Gm05	34129321	34129405	Gmdrm	hypo	CG	-0.8963
Gm05	34131852	34132045	Gmdrm	hypo	CG	-0.5725
Gm05	34132429	34132490	Gmdrm	hypo	CG	-0.5417
Gm05	34132626	34133010	Gmdrm	hypo	CG	-0.4645
Gm05	34149589	34150239	Gmdrm	hypo	CG	-0.9011
Gm05	34179675	34179836	Gmdrm	hypo	CG	-0.0383
Gm05	34195767	34195983	Gmdrm	hypo	CG	-0.054
Gm05	34224777	34224934	Gmdrm	hypo	CG	-0.4
Gm05	34226122	34226353	Gmdrm	hypo	CG	-0.1071
Gm05	34236272	34236299	Gmdrm	hypo	CG	-0.695
Gm05	34236621	34236662	Gmdrm	hypo	CG	-0.3816
Gm05	34238152	34238288	Gmdrm	hypo	CG	-0.945
Gm05	34238823	34239053	Gmdrm	hypo	CG	-0.6737
Gm05	34239731	34239854	Gmdrm	hypo	CG	-0.63
Gm05	34249933	34249990	Gmdrm	hypo	CG	-0.395
Gm05	34265615	34266123	Gmdrm	hypo	CG	-0.7528
Gm05	34300903	34301075	Gmdrm	hypo	CG	-0.034
Gm05	34330592	34330699	Gmdrm	hypo	CG	-0.2784
Gm05	34333670	34333886	Gmdrm	hypo	CG	-0.8732
Gm05	34344833	34345132	Gmdrm	hypo	CG	-0.4393
Gm05	34345588	34345898	Gmdrm	hypo	CG	-0.8357
Gm05	34356634	34356717	Gmdrm	hypo	CG	-0.9517
Gm05	34357535	34357778	Gmdrm	hypo	CG	-0.9589
Gm05	34387598	34387772	Gmdrm	hypo	CG	-0.9166
Gm05	34409694	34409843	Gmdrm	hypo	CG	-0.0641
Gm05	34424244	34424305	Gmdrm	hypo	CG	-0.175
Gm05	34524002	34524040	Gmdrm	hypo	CG	-0.0784
Gm05	34533474	34533583	Gmdrm	hypo	CG	-0.6335
Gm05	34533686	34533883	Gmdrm	hypo	CG	-0.715
Gm05	34587679	34587695	Gmdrm	hypo	CG	-0.5067
Gm05	34596117	34596666	Gmdrm	hypo	CG	-0.1417
Gm05	34596782	34596891	Gmdrm	hypo	CG	-0.289
Gm05	34597732	34597893	Gmdrm	hypo	CG	-0.5757
Gm05	34598001	34598297	Gmdrm	hypo	CG	-0.7395
Gm05	34641152	34641622	Gmdrm	hypo	CG	-0.6504
Gm05	34642419	34642551	Gmdrm	hypo	CG	-0.96
Gm05	34643692	34643845	Gmdrm	hypo	CG	-0.9067
Gm05	34646646	34647105	Gmdrm	hypo	CG	-0.2827
Gm05	34659917	34660168	Gmdrm	hypo	CG	-0.43
Gm05	34669500	34669624	Gmdrm	hypo	CG	-0.8075
Gm05	34723685	34723782	Gmdrm	hypo	CG	-0.615
Gm05	34753494	34753562	Gmdrm	hypo	CG	-0.1633
Gm05	34775869	34776014	Gmdrm	hypo	CG	-0.1945
Gm05	34806413	34806529	Gmdrm	hypo	CG	-0.59
Gm05	34816434	34816731	Gmdrm	hypo	CG	-0.44

Gm05	34826064	34826112	Gmdrm	hypo	CG	-0.8884
Gm05	34832112	34832240	Gmdrm	hypo	CG	-0.6749
Gm05	34874744	34874912	Gmdrm	hypo	CG	-0.818
Gm05	34880747	34880917	Gmdrm	hypo	CG	-0.5424
Gm05	34883741	34883752	Gmdrm	hypo	CG	-0.5767
Gm05	34893501	34893578	Gmdrm	hypo	CG	-0.425
Gm05	34893940	34894058	Gmdrm	hypo	CG	-0.5583
Gm05	34938092	34938237	Gmdrm	hypo	CG	-0.2858
Gm05	34938437	34938465	Gmdrm	hypo	CG	-0.8467
Gm05	34952878	34952981	Gmdrm	hypo	CG	-0.1133
Gm05	34956351	34956467	Gmdrm	hypo	CG	-0.9611
Gm05	34956723	34956789	Gmdrm	hypo	CG	-0.6975
Gm05	34972599	34972887	Gmdrm	hypo	CG	-0.8581
Gm05	35031950	35032244	Gmdrm	hypo	CG	-0.7622
Gm05	35077258	35077362	Gmdrm	hypo	CG	-0.052
Gm05	35087963	35088168	Gmdrm	hypo	CG	-0.694
Gm05	35099608	35099927	Gmdrm	hypo	CG	-0.2222
Gm05	35117438	35117551	Gmdrm	hypo	CG	-0.561
Gm05	35122073	35122214	Gmdrm	hypo	CG	-0.6341
Gm05	35123166	35123362	Gmdrm	hypo	CG	-0.3392
Gm05	35139768	35140190	Gmdrm	hypo	CG	-0.4477
Gm05	35140361	35140549	Gmdrm	hypo	CG	-0.465
Gm05	35154625	35154793	Gmdrm	hypo	CG	-0.7075
Gm05	35162841	35162900	Gmdrm	hypo	CG	-0.445
Gm05	35184651	35184955	Gmdrm	hypo	CG	-0.221
Gm05	35207325	35207360	Gmdrm	hypo	CG	-0.9287
Gm05	35207464	35207628	Gmdrm	hypo	CG	-0.4969
Gm05	35242864	35242871	Gmdrm	hypo	CG	-0.8467
Gm05	35245941	35246026	Gmdrm	hypo	CG	-0.6517
Gm05	35257430	35257653	Gmdrm	hypo	CG	-0.051
Gm05	35258486	35258569	Gmdrm	hypo	CG	-0.65
Gm05	35278593	35278812	Gmdrm	hypo	CG	-0.6037
Gm05	35279677	35279860	Gmdrm	hypo	CG	-0.2675
Gm05	35304627	35304783	Gmdrm	hypo	CG	-0.065
Gm05	35306023	35306130	Gmdrm	hypo	CG	-0.766
Gm05	35307235	35307382	Gmdrm	hypo	CG	-0.68
Gm05	35312566	35312731	Gmdrm	hypo	CG	-0.913
Gm05	35315239	35315777	Gmdrm	hypo	CG	-0.1785
Gm05	35331571	35331681	Gmdrm	hypo	CG	-0.5175
Gm05	35333722	35333891	Gmdrm	hypo	CG	-0.042
Gm05	35334073	35334230	Gmdrm	hypo	CG	-0.8475
Gm05	35334877	35335284	Gmdrm	hypo	CG	-0.5184
Gm05	35352592	35352833	Gmdrm	hypo	CG	-0.9135
Gm05	35380926	35380971	Gmdrm	hypo	CG	-0.5
Gm05	35388960	35389214	Gmdrm	hypo	CG	-0.5034
Gm05	35389316	35389495	Gmdrm	hypo	CG	-0.865

Gm05	35401660	35401731	Gmdrm	hypo	CG	-0.8867
Gm05	35444388	35444424	Gmdrm	hypo	CG	-0.9717
Gm05	35448511	35449023	Gmdrm	hypo	CG	-0.0483
Gm05	35481892	35481959	Gmdrm	hypo	CG	-0.0289
Gm05	35485285	35485805	Gmdrm	hypo	CG	-0.0416
Gm05	35502865	35502970	Gmdrm	hypo	CG	-0.48
Gm05	35503288	35503408	Gmdrm	hypo	CG	-0.4316
Gm05	35520479	35520508	Gmdrm	hypo	CG	-0.9634
Gm05	35520633	35520879	Gmdrm	hypo	CG	-0.575
Gm05	35529414	35529595	Gmdrm	hypo	CG	-0.0429
Gm05	35599674	35599842	Gmdrm	hypo	CG	-0.234
Gm05	35600090	35600208	Gmdrm	hypo	CG	-0.225
Gm05	35609380	35609721	Gmdrm	hypo	CG	-0.8425
Gm05	35611225	35611306	Gmdrm	hypo	CG	-0.8416
Gm05	35611458	35611571	Gmdrm	hypo	CG	-0.5887
Gm05	35611675	35611706	Gmdrm	hypo	CG	-0.42
Gm05	35660154	35660289	Gmdrm	hypo	CG	-0.689
Gm05	35665582	35665811	Gmdrm	hypo	CG	-0.1693
Gm05	35666617	35667035	Gmdrm	hypo	CG	-0.7414
Gm05	35695964	35696184	Gmdrm	hypo	CG	-0.7421
Gm05	35696447	35696579	Gmdrm	hypo	CG	-0.785
Gm05	35706679	35706884	Gmdrm	hypo	CG	-0.7362
Gm05	35707220	35707676	Gmdrm	hypo	CG	-0.9615
Gm05	35720006	35720281	Gmdrm	hypo	CG	-0.6238
Gm05	35725691	35725867	Gmdrm	hypo	CG	-0.8784
Gm05	35904535	35904746	Gmdrm	hypo	CG	-0.7115
Gm05	35937191	35937577	Gmdrm	hypo	CG	-0.7929
Gm05	35964204	35964387	Gmdrm	hypo	CG	-0.9125
Gm05	35964496	35964598	Gmdrm	hypo	CG	-0.9366
Gm05	35990883	35991261	Gmdrm	hypo	CG	-0.3954
Gm05	36003201	36003319	Gmdrm	hypo	CG	-0.8138
Gm05	36016621	36016673	Gmdrm	hypo	CG	-0.65
Gm05	36024627	36024794	Gmdrm	hypo	CG	-0.7355
Gm05	36025047	36025198	Gmdrm	hypo	CG	-0.7132
Gm05	36026946	36027044	Gmdrm	hypo	CG	-0.2175
Gm05	36027681	36027718	Gmdrm	hypo	CG	-0.96
Gm05	36037532	36037642	Gmdrm	hypo	CG	-0.6
Gm05	36072407	36072639	Gmdrm	hypo	CG	-0.7073
Gm05	36101747	36102027	Gmdrm	hypo	CG	-0.2096
Gm05	36119446	36119546	Gmdrm	hypo	CG	-0.7287
Gm05	36119890	36120486	Gmdrm	hypo	CG	-0.6064
Gm05	36279554	36280027	Gmdrm	hypo	CG	-0.533
Gm05	36281395	36281508	Gmdrm	hypo	CG	-0.9733
Gm05	36311008	36311032	Gmdrm	hypo	CG	-0.672
Gm05	36320101	36320457	Gmdrm	hypo	CG	-0.5167
Gm05	36321894	36321981	Gmdrm	hypo	CG	-0.3967

Gm05	36331101	36331306	Gmdrm	hypo	CG	-0.4188
Gm05	36339379	36339396	Gmdrm	hypo	CG	-0.2067
Gm05	36380262	36380599	Gmdrm	hypo	CG	-0.524
Gm05	36380867	36381065	Gmdrm	hypo	CG	-0.05
Gm05	36395346	36395424	Gmdrm	hypo	CG	-0.9034
Gm05	36457421	36457722	Gmdrm	hypo	CG	-0.8475
Gm05	36460405	36460471	Gmdrm	hypo	CG	-0.1217
Gm05	36483545	36483965	Gmdrm	hypo	CG	-0.0627
Gm05	36486890	36486994	Gmdrm	hypo	CG	-0.5638
Gm05	36489506	36489531	Gmdrm	hypo	CG	-0.7983
Gm05	36599269	36599359	Gmdrm	hypo	CG	-0.1928
Gm05	36615330	36615524	Gmdrm	hypo	CG	-0.5172
Gm05	36638747	36638780	Gmdrm	hypo	CG	-0.2534
Gm05	36640790	36640903	Gmdrm	hypo	CG	-0.6784
Gm05	36646561	36647067	Gmdrm	hypo	CG	-0.0217
Gm05	36722742	36722785	Gmdrm	hypo	CG	-0.0467
Gm05	36723439	36723593	Gmdrm	hypo	CG	-0.8671
Gm05	36723719	36723853	Gmdrm	hypo	CG	-0.4157
Gm05	36751711	36751807	Gmdrm	hypo	CG	-0.5433
Gm05	36792431	36792496	Gmdrm	hypo	CG	-0.9325
Gm05	36810144	36810402	Gmdrm	hypo	CG	-0.0719
Gm05	36810661	36810743	Gmdrm	hypo	CG	-0.3088
Gm05	36810928	36810950	Gmdrm	hypo	CG	-0.9275
Gm05	36832804	36833165	Gmdrm	hypo	CG	-0.8875
Gm05	36861041	36861144	Gmdrm	hypo	CG	-0.8816
Gm05	36861246	36861414	Gmdrm	hypo	CG	-0.9151
Gm05	36888544	36889493	Gmdrm	hypo	CG	-0.6405
Gm05	36904745	36904907	Gmdrm	hypo	CG	-0.803
Gm05	36916917	36917096	Gmdrm	hypo	CG	-0.4222
Gm05	36932509	36932704	Gmdrm	hypo	CG	-0.4505
Gm05	36937794	36938167	Gmdrm	hypo	CG	-0.2616
Gm05	36940765	36940948	Gmdrm	hypo	CG	-0.9136
Gm05	36941415	36941573	Gmdrm	hypo	CG	-0.306
Gm05	36943127	36943443	Gmdrm	hypo	CG	-0.7935
Gm05	36971484	36971568	Gmdrm	hypo	CG	-0.7067
Gm05	37013666	37013839	Gmdrm	hypo	CG	-0.6225
Gm05	37027143	37027379	Gmdrm	hypo	CG	-0.745
Gm05	37028077	37028717	Gmdrm	hypo	CG	-0.4113
Gm05	37029139	37029249	Gmdrm	hypo	CG	-0.0687
Gm05	37031774	37031890	Gmdrm	hypo	CG	-0.034
Gm05	37039297	37039395	Gmdrm	hypo	CG	-0.0633
Gm05	37046018	37046052	Gmdrm	hypo	CG	-0.7066
Gm05	37046276	37046444	Gmdrm	hypo	CG	-0.5873
Gm05	37215394	37215593	Gmdrm	hypo	CG	-0.0425
Gm05	37235300	37235766	Gmdrm	hypo	CG	-0.9177
Gm05	37238369	37238471	Gmdrm	hypo	CG	-0.5

Gm05	37249945	37250074	Gmdrm	hypo	CG	-0.1608
Gm05	37323429	37323521	Gmdrm	hypo	CG	-0.825
Gm05	37329526	37330347	Gmdrm	hypo	CG	-0.5927
Gm05	37384852	37385016	Gmdrm	hypo	CG	-0.0842
Gm05	37385522	37385683	Gmdrm	hypo	CG	-0.2964
Gm05	37398469	37398757	Gmdrm	hypo	CG	-0.4322
Gm05	37398867	37399313	Gmdrm	hypo	CG	-0.4426
Gm05	37405462	37405617	Gmdrm	hypo	CG	-0.042
Gm05	37406126	37406247	Gmdrm	hypo	CG	-0.5956
Gm05	37423412	37423457	Gmdrm	hypo	CG	-0.1033
Gm05	37437682	37437794	Gmdrm	hypo	CG	-0.8283
Gm05	37438794	37438871	Gmdrm	hypo	CG	-0.906
Gm05	37439390	37439559	Gmdrm	hypo	CG	-0.449
Gm05	37465871	37465893	Gmdrm	hypo	CG	-0.4616
Gm05	37466122	37466368	Gmdrm	hypo	CG	-0.83
Gm05	37471040	37471232	Gmdrm	hypo	CG	-0.0257
Gm05	37491321	37491523	Gmdrm	hypo	CG	-0.7769
Gm05	37491677	37491918	Gmdrm	hypo	CG	-0.8163
Gm05	37580646	37580746	Gmdrm	hypo	CG	-0.77
Gm05	37593330	37593438	Gmdrm	hypo	CG	-0.455
Gm05	37610970	37611198	Gmdrm	hypo	CG	-0.0783
Gm05	37619850	37620058	Gmdrm	hypo	CG	-0.3643
Gm05	37651083	37651131	Gmdrm	hypo	CG	-0.0433
Gm05	37651459	37651607	Gmdrm	hypo	CG	-0.8583
Gm05	37651729	37651835	Gmdrm	hypo	CG	-0.05
Gm05	37652508	37652615	Gmdrm	hypo	CG	-0.7262
Gm05	37652730	37652802	Gmdrm	hypo	CG	-0.9738
Gm05	37660029	37660125	Gmdrm	hypo	CG	-0.0837
Gm05	37667309	37667376	Gmdrm	hypo	CG	-0.3737
Gm05	37667564	37667818	Gmdrm	hypo	CG	-0.279
Gm05	37670774	37671012	Gmdrm	hypo	CG	-0.5977
Gm05	37681495	37681676	Gmdrm	hypo	CG	-0.9379
Gm05	37731218	37731405	Gmdrm	hypo	CG	-0.51
Gm05	37731533	37731701	Gmdrm	hypo	CG	-0.416
Gm05	37788454	37788630	Gmdrm	hypo	CG	-0.4757
Gm05	37808510	37808574	Gmdrm	hypo	CG	-0.963
Gm05	37814428	37814466	Gmdrm	hypo	CG	-0.77
Gm05	37823314	37823536	Gmdrm	hypo	CG	-0.36
Gm05	37825130	37825305	Gmdrm	hypo	CG	-0.2245
Gm05	37842015	37842235	Gmdrm	hypo	CG	-0.5187
Gm05	37842363	37842616	Gmdrm	hypo	CG	-0.7175
Gm05	37864634	37864860	Gmdrm	hypo	CG	-0.6038
Gm05	37867386	37867531	Gmdrm	hypo	CG	-0.7775
Gm05	37897166	37897549	Gmdrm	hypo	CG	-0.7204
Gm05	37897736	37897907	Gmdrm	hypo	CG	-0.53
Gm05	37941414	37941846	Gmdrm	hypo	CG	-0.672

Gm05	37956065	37956117	Gmdrm	hypo	CG	-0.5433
Gm05	37982481	37982550	Gmdrm	hypo	CG	-0.6433
Gm05	38026852	38027080	Gmdrm	hypo	CG	-0.3
Gm05	38027184	38027323	Gmdrm	hypo	CG	-0.294
Gm05	38062382	38062505	Gmdrm	hypo	CG	-0.8917
Gm05	38062839	38062978	Gmdrm	hypo	CG	-0.575
Gm05	38065186	38065325	Gmdrm	hypo	CG	-0.52
Gm05	38065861	38066195	Gmdrm	hypo	CG	-0.0572
Gm05	38066320	38066451	Gmdrm	hypo	CG	-0.145
Gm05	38108489	38108555	Gmdrm	hypo	CG	-0.905
Gm05	38131553	38131728	Gmdrm	hypo	CG	-0.75
Gm05	38132537	38132776	Gmdrm	hypo	CG	-0.4855
Gm05	38160304	38160550	Gmdrm	hypo	CG	-0.3819
Gm05	38200426	38200483	Gmdrm	hypo	CG	-0.836
Gm05	38202623	38202671	Gmdrm	hypo	CG	-0.9567
Gm05	38211970	38212234	Gmdrm	hypo	CG	-0.035
Gm05	38256432	38256791	Gmdrm	hypo	CG	-0.3546
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Gm05	38277545	38277693	Gmdrm	hypo	CG	-0.062
Gm05	38311810	38311874	Gmdrm	hypo	CG	-0.2215
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Gm05	38365571	38365632	Gmdrm	hypo	CG	-0.4217
Gm05	38371095	38371180	Gmdrm	hypo	CG	-0.8783
Gm05	38417176	38417336	Gmdrm	hypo	CG	-0.2367
Gm05	38435232	38435552	Gmdrm	hypo	CG	-0.6918
Gm05	38448481	38448574	Gmdrm	hypo	CG	-0.8
Gm05	38454371	38454418	Gmdrm	hypo	CG	-0.96
Gm05	38461036	38461095	Gmdrm	hypo	CG	-0.1401
Gm05	38461222	38461289	Gmdrm	hypo	CG	-0.6883
Gm05	38502058	38502148	Gmdrm	hypo	CG	-0.646
Gm05	38525632	38525781	Gmdrm	hypo	CG	-0.1225
Gm05	38526883	38527041	Gmdrm	hypo	CG	-0.5388
Gm05	38553615	38553783	Gmdrm	hypo	CG	-0.395
Gm05	38568806	38568841	Gmdrm	hypo	CG	-0.7
Gm05	38581180	38581332	Gmdrm	hypo	CG	-0.6121
Gm05	38610359	38610477	Gmdrm	hypo	CG	-0.3125
Gm05	38610630	38611072	Gmdrm	hypo	CG	-0.3268
Gm05	38611175	38611379	Gmdrm	hypo	CG	-0.5043
Gm05	38627275	38627372	Gmdrm	hypo	CG	-0.1112
Gm05	38638709	38638901	Gmdrm	hypo	CG	-0.9487
Gm05	38675373	38675404	Gmdrm	hypo	CG	-0.965
Gm05	38706587	38706703	Gmdrm	hypo	CG	-0.9617
Gm05	38721120	38721297	Gmdrm	hypo	CG	-0.3217
Gm05	38744223	38744427	Gmdrm	hypo	CG	-0.8666
Gm05	38744549	38744588	Gmdrm	hypo	CG	-0.94

Gm05	38745239	38745274	Gmdrm	hypo	CG	-0.8284
Gm05	38771438	38771694	Gmdrm	hypo	CG	-0.7867
Gm05	38783090	38783148	Gmdrm	hypo	CG	-0.732
Gm05	38787760	38787805	Gmdrm	hypo	CG	-0.0333
Gm05	38793817	38793986	Gmdrm	hypo	CG	-0.81
Gm05	38824982	38825082	Gmdrm	hypo	CG	-0.6779
Gm05	38825193	38825420	Gmdrm	hypo	CG	-0.6986
Gm05	38825619	38825769	Gmdrm	hypo	CG	-0.52
Gm05	38835065	38835308	Gmdrm	hypo	CG	-0.4763
Gm05	38867369	38867634	Gmdrm	hypo	CG	-0.065
Gm05	38893586	38893788	Gmdrm	hypo	CG	-0.6707
Gm05	38959922	38960032	Gmdrm	hypo	CG	-0.6333
Gm05	38974046	38974190	Gmdrm	hypo	CG	-0.0886
Gm05	38998153	38998211	Gmdrm	hypo	CG	-0.9467
Gm05	38999534	38999628	Gmdrm	hypo	CG	-0.955
Gm05	39012690	39012721	Gmdrm	hypo	CG	-0.392
Gm05	39014358	39014418	Gmdrm	hypo	CG	-0.05
Gm05	39014681	39014818	Gmdrm	hypo	CG	-0.9463
Gm05	39038003	39038046	Gmdrm	hypo	CG	-0.5649
Gm05	39156288	39156573	Gmdrm	hypo	CG	-0.0277
Gm05	39170608	39170863	Gmdrm	hypo	CG	-0.2278
Gm05	39173531	39173773	Gmdrm	hypo	CG	-0.0685
Gm05	39175299	39175557	Gmdrm	hypo	CG	-0.7858
Gm05	39201629	39201691	Gmdrm	hypo	CG	-0.545
Gm05	39205004	39205084	Gmdrm	hypo	CG	-0.8013
Gm05	39232228	39232288	Gmdrm	hypo	CG	-0.624
Gm05	39243910	39244106	Gmdrm	hypo	CG	-0.2979
Gm05	39279914	39280073	Gmdrm	hypo	CG	-0.527
Gm05	39289422	39289551	Gmdrm	hypo	CG	-0.644
Gm05	39290921	39290951	Gmdrm	hypo	CG	-0.056
Gm05	39302588	39302657	Gmdrm	hypo	CG	-0.7183
Gm05	39310818	39311252	Gmdrm	hypo	CG	-0.574
Gm05	39359308	39359362	Gmdrm	hypo	CG	-0.68
Gm05	39359495	39359570	Gmdrm	hypo	CG	-0.77
Gm05	39369308	39369345	Gmdrm	hypo	CG	-0.9574
Gm05	39369534	39369592	Gmdrm	hypo	CG	-0.1083
Gm05	39374691	39374750	Gmdrm	hypo	CG	-0.71
Gm05	39433813	39433975	Gmdrm	hypo	CG	-0.972
Gm05	39437975	39438115	Gmdrm	hypo	CG	-0.955
Gm05	39441173	39441635	Gmdrm	hypo	CG	-0.7879
Gm05	39441780	39441885	Gmdrm	hypo	CG	-0.9787
Gm05	39444153	39444381	Gmdrm	hypo	CG	-0.0669
Gm05	39449827	39449984	Gmdrm	hypo	CG	-0.0392
Gm05	39471695	39471876	Gmdrm	hypo	CG	-0.5333
Gm05	39472171	39472368	Gmdrm	hypo	CG	-0.6837
Gm05	39502426	39502637	Gmdrm	hypo	CG	-0.3625

Gm05	39504891	39504942	Gmdrm	hypo	CG	-0.972
Gm05	39505361	39505447	Gmdrm	hypo	CG	-0.3684
Gm05	39505682	39505834	Gmdrm	hypo	CG	-0.4217
Gm05	39530301	39530401	Gmdrm	hypo	CG	-0.3267
Gm05	39541084	39541184	Gmdrm	hypo	CG	-0.9562
Gm05	39560281	39560554	Gmdrm	hypo	CG	-0.8058
Gm05	39561304	39561456	Gmdrm	hypo	CG	-0.6369
Gm05	39599707	39599867	Gmdrm	hypo	CG	-0.0234
Gm05	39612553	39612722	Gmdrm	hypo	CG	-0.965
Gm05	39641626	39641728	Gmdrm	hypo	CG	-0.7137
Gm05	39672150	39672260	Gmdrm	hypo	CG	-0.692
Gm05	39678036	39678259	Gmdrm	hypo	CG	-0.6188
Gm05	39692994	39693139	Gmdrm	hypo	CG	-0.8637
Gm05	39700680	39700832	Gmdrm	hypo	CG	-0.2867
Gm05	39704195	39704285	Gmdrm	hypo	CG	-0.7133
Gm05	39714207	39714317	Gmdrm	hypo	CG	-0.065
Gm05	39738077	39738216	Gmdrm	hypo	CG	-0.384
Gm05	39759084	39759321	Gmdrm	hypo	CG	-0.509
Gm05	39824311	39824354	Gmdrm	hypo	CG	-0.036
Gm05	39861633	39861740	Gmdrm	hypo	CG	-0.612
Gm05	39876224	39876262	Gmdrm	hypo	CG	-0.965
Gm05	39876391	39876536	Gmdrm	hypo	CG	-0.9566
Gm05	39879046	39879130	Gmdrm	hypo	CG	-0.495
Gm05	39886599	39886811	Gmdrm	hypo	CG	-0.944
Gm05	39908192	39908515	Gmdrm	hypo	CG	-0.2096
Gm05	39908938	39908985	Gmdrm	hypo	CG	-0.5837
Gm05	39914474	39914574	Gmdrm	hypo	CG	-0.7637
Gm05	39915784	39915990	Gmdrm	hypo	CG	-0.9825
Gm05	39937964	39938137	Gmdrm	hypo	CG	-0.9416
Gm05	39953303	39953578	Gmdrm	hypo	CG	-0.9256
Gm05	39955448	39955602	Gmdrm	hypo	CG	-0.9417
Gm05	39955761	39955899	Gmdrm	hypo	CG	-0.9142
Gm05	39998147	39998383	Gmdrm	hypo	CG	-0.5475
Gm05	40041841	40042026	Gmdrm	hypo	CG	-0.8929
Gm05	40043249	40043271	Gmdrm	hypo	CG	-0.9467
Gm05	40061483	40061687	Gmdrm	hypo	CG	-0.1893
Gm05	40063603	40063946	Gmdrm	hypo	CG	-0.633
Gm05	40065142	40065335	Gmdrm	hypo	CG	-0.843
Gm05	40065445	40065726	Gmdrm	hypo	CG	-0.7759
Gm05	40080003	40080094	Gmdrm	hypo	CG	-0.4483
Gm05	40080867	40081033	Gmdrm	hypo	CG	-0.9435
Gm05	40128339	40128539	Gmdrm	hypo	CG	-0.5183
Gm05	40132770	40132942	Gmdrm	hypo	CG	-0.7675
Gm05	40133286	40133382	Gmdrm	hypo	CG	-0.3114
Gm05	40138293	40138489	Gmdrm	hypo	CG	-0.9467
Gm05	40186382	40186541	Gmdrm	hypo	CG	-0.9525

Gm05	40203216	40203323	Gmdrm	hypo	CG	-0.6217
Gm05	40213346	40213402	Gmdrm	hypo	CG	-0.7657
Gm05	40218673	40218847	Gmdrm	hypo	CG	-0.9331
Gm05	40219685	40219972	Gmdrm	hypo	CG	-0.108
Gm05	40237470	40237638	Gmdrm	hypo	CG	-0.0283
Gm05	40248467	40248659	Gmdrm	hypo	CG	-0.62
Gm05	40248771	40248903	Gmdrm	hypo	CG	-0.831
Gm05	40311567	40311625	Gmdrm	hypo	CG	-0.447
Gm05	40328720	40328836	Gmdrm	hypo	CG	-0.0783
Gm05	40329458	40329645	Gmdrm	hypo	CG	-0.6788
Gm05	40330784	40330873	Gmdrm	hypo	CG	-0.9663
Gm05	40333359	40333538	Gmdrm	hypo	CG	-0.0514
Gm05	40345896	40346019	Gmdrm	hypo	CG	-0.0284
Gm05	40352949	40353216	Gmdrm	hypo	CG	-0.4465
Gm05	40361563	40361658	Gmdrm	hypo	CG	-0.875
Gm05	40380987	40381163	Gmdrm	hypo	CG	-0.5513
Gm05	40395477	40395866	Gmdrm	hypo	CG	-0.5064
Gm05	40448091	40448123	Gmdrm	hypo	CG	-0.836
Gm05	40452482	40452629	Gmdrm	hypo	CG	-0.54
Gm05	40471395	40471466	Gmdrm	hypo	CG	-0.465
Gm05	40476439	40476594	Gmdrm	hypo	CG	-0.5489
Gm05	40512138	40512284	Gmdrm	hypo	CG	-0.7728
Gm05	40540289	40540317	Gmdrm	hypo	CG	-0.3
Gm05	40541377	40541414	Gmdrm	hypo	CG	-0.85
Gm05	40575470	40575674	Gmdrm	hypo	CG	-0.0795
Gm05	40576398	40576578	Gmdrm	hypo	CG	-0.75
Gm05	40581267	40581616	Gmdrm	hypo	CG	-0.24
Gm05	40587087	40587389	Gmdrm	hypo	CG	-0.804
Gm05	40591762	40592020	Gmdrm	hypo	CG	-0.7771
Gm05	40612091	40612229	Gmdrm	hypo	CG	-0.975
Gm05	40642808	40643039	Gmdrm	hypo	CG	-0.7557
Gm05	40643425	40643691	Gmdrm	hypo	CG	-0.6133
Gm05	40647023	40647289	Gmdrm	hypo	CG	-0.5913
Gm05	40665093	40665212	Gmdrm	hypo	CG	-0.08
Gm05	40672369	40672586	Gmdrm	hypo	CG	-0.7266
Gm05	40674471	40674760	Gmdrm	hypo	CG	-0.1585
Gm05	40674906	40675046	Gmdrm	hypo	CG	-0.2683
Gm05	40675199	40675302	Gmdrm	hypo	CG	-0.5634
Gm05	40677364	40677640	Gmdrm	hypo	CG	-0.1723
Gm05	40684398	40684666	Gmdrm	hypo	CG	-0.0472
Gm05	40690565	40690686	Gmdrm	hypo	CG	-0.79
Gm05	40693104	40693348	Gmdrm	hypo	CG	-0.8782
Gm05	40704162	40704782	Gmdrm	hypo	CG	-0.0918
Gm05	40705238	40706069	Gmdrm	hypo	CG	-0.2438
Gm05	40726515	40726612	Gmdrm	hypo	CG	-0.032
Gm05	40744803	40744884	Gmdrm	hypo	CG	-0.9038

Gm05	40745012	40745044	Gmdrm	hypo	CG	-0.9875
Gm05	40745606	40745679	Gmdrm	hypo	CG	-0.9267
Gm05	40750199	40750628	Gmdrm	hypo	CG	-0.5539
Gm05	40777397	40777680	Gmdrm	hypo	CG	-0.6
Gm05	40777805	40777947	Gmdrm	hypo	CG	-0.8683
Gm05	40789627	40789846	Gmdrm	hypo	CG	-0.1069
Gm05	40794466	40794780	Gmdrm	hypo	CG	-0.0717
Gm05	40813678	40813805	Gmdrm	hypo	CG	-0.722
Gm05	40820265	40820453	Gmdrm	hypo	CG	-0.941
Gm05	40820719	40821005	Gmdrm	hypo	CG	-0.0438
Gm05	40821916	40822091	Gmdrm	hypo	CG	-0.9508
Gm05	40829240	40829376	Gmdrm	hypo	CG	-0.35
Gm05	40844510	40844579	Gmdrm	hypo	CG	-0.395
Gm05	40853276	40853621	Gmdrm	hypo	CG	-0.6462
Gm05	40856315	40856595	Gmdrm	hypo	CG	-0.1904
Gm05	40871716	40871893	Gmdrm	hypo	CG	-0.3543
Gm05	40872371	40872730	Gmdrm	hypo	CG	-0.725
Gm05	40874689	40874730	Gmdrm	hypo	CG	-0.4717
Gm05	40879801	40879957	Gmdrm	hypo	CG	-0.3917
Gm05	40919823	40920262	Gmdrm	hypo	CG	-0.0308
Gm05	40931365	40931646	Gmdrm	hypo	CG	-0.5077
Gm05	40971433	40971543	Gmdrm	hypo	CG	-0.8925
Gm05	40975021	40975113	Gmdrm	hypo	CG	-0.925
Gm05	40975226	40975319	Gmdrm	hypo	CG	-0.786
Gm05	40982227	40982286	Gmdrm	hypo	CG	-0.4238
Gm05	40987785	40987997	Gmdrm	hypo	CG	-0.7815
Gm05	41022964	41023004	Gmdrm	hypo	CG	-0.8
Gm05	41025278	41025413	Gmdrm	hypo	CG	-0.064
Gm05	41025595	41025774	Gmdrm	hypo	CG	-0.7858
Gm05	41026024	41026157	Gmdrm	hypo	CG	-0.4521
Gm05	41027670	41028009	Gmdrm	hypo	CG	-0.7341
Gm05	41028336	41028454	Gmdrm	hypo	CG	-0.455
Gm05	41046176	41046296	Gmdrm	hypo	CG	-0.735
Gm05	41046524	41046642	Gmdrm	hypo	CG	-0.8563
Gm05	41091116	41091409	Gmdrm	hypo	CG	-0.517
Gm05	41112632	41112722	Gmdrm	hypo	CG	-0.8913
Gm05	41112991	41113343	Gmdrm	hypo	CG	-0.5831
Gm05	41116537	41116646	Gmdrm	hypo	CG	-0.91
Gm05	41124907	41125180	Gmdrm	hypo	CG	-0.7207
Gm05	41125317	41125518	Gmdrm	hypo	CG	-0.4678
Gm05	41132430	41132662	Gmdrm	hypo	CG	-0.1686
Gm05	41135340	41135400	Gmdrm	hypo	CG	-0.4283
Gm05	41136335	41136463	Gmdrm	hypo	CG	-0.555
Gm05	41136580	41136739	Gmdrm	hypo	CG	-0.5763
Gm05	41153983	41154101	Gmdrm	hypo	CG	-0.6033
Gm05	41171188	41171273	Gmdrm	hypo	CG	-0.1458

Gm05	41171732	41171926 Gmdrm	hypo	CG	-0.498
Gm05	41174570	41174877 Gmdrm	hypo	CG	-0.0671
Gm05	41189319	41189659 Gmdrm	hypo	CG	-0.06
Gm05	41203007	41203112 Gmdrm	hypo	CG	-0.5125
Gm05	41234745	41234966 Gmdrm	hypo	CG	-0.9627
Gm05	41235345	41235515 Gmdrm	hypo	CG	-0.8242
Gm05	41262659	41263202 Gmdrm	hypo	CG	-0.5816
Gm05	41310642	41310921 Gmdrm	hypo	CG	-0.3059
Gm05	41317035	41317246 Gmdrm	hypo	CG	-0.0516
Gm05	41332814	41332919 Gmdrm	hypo	CG	-0.955
Gm05	41361918	41362149 Gmdrm	hypo	CG	-0.1025
Gm05	41367581	41367704 Gmdrm	hypo	CG	-0.575
Gm05	41368411	41368535 Gmdrm	hypo	CG	-0.82
Gm05	41376696	41376792 Gmdrm	hypo	CG	-0.855
Gm05	41376947	41377049 Gmdrm	hypo	CG	-0.4266
Gm05	41377712	41378031 Gmdrm	hypo	CG	-0.3
Gm05	41396841	41397230 Gmdrm	hypo	CG	-0.9163
Gm05	41397468	41397588 Gmdrm	hypo	CG	-0.9634
Gm05	41470443	41470537 Gmdrm	hypo	CG	-0.03
Gm05	41476351	41476506 Gmdrm	hypo	CG	-0.6957
Gm05	41476653	41476845 Gmdrm	hypo	CG	-0.8041
Gm05	41483372	41483674 Gmdrm	hypo	CG	-0.9389
Gm05	41519964	41520400 Gmdrm	hypo	CG	-0.5007
Gm05	41523615	41523999 Gmdrm	hypo	CG	-0.5146
Gm05	41556788	41557103 Gmdrm	hypo	CG	-0.4327
Gm05	41590683	41590783 Gmdrm	hypo	CG	-0.3425
Gm05	41596136	41596286 Gmdrm	hypo	CG	-0.5169
Gm05	41596461	41596569 Gmdrm	hypo	CG	-0.49
Gm05	41612177	41612299 Gmdrm	hypo	CG	-0.112
Gm05	41626885	41626930 Gmdrm	hypo	CG	-0.6217
Gm05	41638258	41638433 Gmdrm	hypo	CG	-0.6367
Gm05	41641930	41642349 Gmdrm	hypo	CG	-0.5095
Gm05	41662155	41662412 Gmdrm	hypo	CG	-0.0519
Gm05	41666759	41667038 Gmdrm	hypo	CG	-0.0422
Gm05	41674940	41675065 Gmdrm	hypo	CG	-0.0487
Gm05	41681994	41682130 Gmdrm	hypo	CG	-0.56
Gm05	41687119	41687150 Gmdrm	hypo	CG	-0.4867
Gm05	41687271	41687765 Gmdrm	hypo	CG	-0.4225
Gm05	41717988	41718335 Gmdrm	hypo	CG	-0.1856
Gm05	41718449	41718486 Gmdrm	hypo	CG	-0.54
Gm05	41722344	41722906 Gmdrm	hypo	CG	-0.7003
Gm05	41770741	41770857 Gmdrm	hypo	CG	-0.052
Gm05	41799955	41800130 Gmdrm	hypo	CG	-0.0417
Gm05	41819711	41819918 Gmdrm	hypo	CG	-0.664
Gm05	41820057	41820272 Gmdrm	hypo	CG	-0.83
Gm05	41842972	41843006 Gmdrm	hypo	CG	-0.045

Gm05	41852797	41852861	Gmdrm	hypo	CG	-0.055
Gm05	41880014	41880025	Gmdrm	hypo	CG	-0.0983
Gm05	41913676	41913784	Gmdrm	hypo	CG	-0.765
Gm05	41931809	41931856	Gmdrm	hypo	CG	-0.3426
Gm05	41932543	41932567	Gmdrm	hypo	CG	-0.38
Gm05	41943472	41943580	Gmdrm	hypo	CG	-0.66
Gm05	41946814	41947030	Gmdrm	hypo	CG	-0.4344
Gm05	41973679	41973706	Gmdrm	hypo	CG	-0.4513
Gm05	42012519	42012836	Gmdrm	hypo	CG	-0.0241
Gm05	42022040	42022191	Gmdrm	hypo	CG	-0.794
Gm05	42023442	42023484	Gmdrm	hypo	CG	-0.3776
Gm05	42053497	42053604	Gmdrm	hypo	CG	-0.728
Gm05	42071313	42071554	Gmdrm	hypo	CG	-0.8289
Gm05	42104870	42105052	Gmdrm	hypo	CG	-0.7485
Gm05	42113662	42113784	Gmdrm	hypo	CG	-0.7467
Gm05	42123522	42123752	Gmdrm	hypo	CG	-0.5608
Gm05	42143317	42143424	Gmdrm	hypo	CG	-0.0822
Gm05	42155856	42156220	Gmdrm	hypo	CG	-0.0643
Gm05	42181586	42182277	Gmdrm	hypo	CG	-0.0807
Gm05	42255481	42255692	Gmdrm	hypo	CG	-0.6245
Gm05	42270085	42270408	Gmdrm	hypo	CG	-0.1965
Gm05_scaffo	32028	32303	Gmdrm	hypo	CG	-0.3847
Gm05_scaffo	32588	32708	Gmdrm	hypo	CG	-0.1525
Gm05_scaffo	16237	16491	Gmdrm	hypo	CG	-0.045
Gm05_scaffo	35338	35651	Gmdrm	hypo	CG	-0.8947
Gm05_scaffo	71112	71380	Gmdrm	hypo	CG	-0.8764
Gm05_scaffo	72377	72760	Gmdrm	hypo	CG	-0.6305
Gm06	8518	8905	Gmdrm	hypo	CG	-0.6665
Gm06	25288	25450	Gmdrm	hypo	CG	-0.1683
Gm06	44351	44528	Gmdrm	hypo	CG	-0.05
Gm06	52264	52570	Gmdrm	hypo	CG	-0.515
Gm06	56063	56158	Gmdrm	hypo	CG	-0.4317
Gm06	58729	58924	Gmdrm	hypo	CG	-0.208
Gm06	62171	62279	Gmdrm	hypo	CG	-0.7416
Gm06	77349	77403	Gmdrm	hypo	CG	-0.0483
Gm06	79823	80222	Gmdrm	hypo	CG	-0.0425
Gm06	92518	92697	Gmdrm	hypo	CG	-0.06
Gm06	115588	115793	Gmdrm	hypo	CG	-0.61
Gm06	135722	135826	Gmdrm	hypo	CG	-0.6433
Gm06	148757	149335	Gmdrm	hypo	CG	-0.1656
Gm06	175834	175880	Gmdrm	hypo	CG	-0.6225
Gm06	210317	210478	Gmdrm	hypo	CG	-0.9425
Gm06	246845	246904	Gmdrm	hypo	CG	-0.054
Gm06	284986	285684	Gmdrm	hypo	CG	-0.0715
Gm06	288244	288348	Gmdrm	hypo	CG	-0.755
Gm06	288471	288976	Gmdrm	hypo	CG	-0.7062

Gm06	305874	305991 Gmdrm	hypo	CG	-0.454
Gm06	343182	343317 Gmdrm	hypo	CG	-0.1125
Gm06	343793	343898 Gmdrm	hypo	CG	-0.3462
Gm06	360194	360311 Gmdrm	hypo	CG	-0.5427
Gm06	360579	360985 Gmdrm	hypo	CG	-0.1673
Gm06	394093	394310 Gmdrm	hypo	CG	-0.7049
Gm06	423045	423322 Gmdrm	hypo	CG	-0.1083
Gm06	428720	428855 Gmdrm	hypo	CG	-0.6917
Gm06	429008	429144 Gmdrm	hypo	CG	-0.7483
Gm06	429319	429605 Gmdrm	hypo	CG	-0.11
Gm06	431870	432121 Gmdrm	hypo	CG	-0.6636
Gm06	437752	437804 Gmdrm	hypo	CG	-0.945
Gm06	474349	474671 Gmdrm	hypo	CG	-0.1857
Gm06	475121	475216 Gmdrm	hypo	CG	-0.764
Gm06	476732	477063 Gmdrm	hypo	CG	-0.6519
Gm06	478152	478410 Gmdrm	hypo	CG	-0.8756
Gm06	478940	479351 Gmdrm	hypo	CG	-0.7792
Gm06	480576	480828 Gmdrm	hypo	CG	-0.4342
Gm06	481075	481299 Gmdrm	hypo	CG	-0.9664
Gm06	504769	504817 Gmdrm	hypo	CG	-0.6337
Gm06	522478	523070 Gmdrm	hypo	CG	-0.1841
Gm06	524219	524501 Gmdrm	hypo	CG	-0.3611
Gm06	533182	533266 Gmdrm	hypo	CG	-0.925
Gm06	548911	549084 Gmdrm	hypo	CG	-0.67
Gm06	552731	552808 Gmdrm	hypo	CG	-0.608
Gm06	561619	561738 Gmdrm	hypo	CG	-0.945
Gm06	591887	591952 Gmdrm	hypo	CG	-0.4533
Gm06	592168	592297 Gmdrm	hypo	CG	-0.167
Gm06	624839	624946 Gmdrm	hypo	CG	-0.0383
Gm06	650975	651058 Gmdrm	hypo	CG	-0.955
Gm06	651186	651365 Gmdrm	hypo	CG	-0.8067
Gm06	670373	670399 Gmdrm	hypo	CG	-0.9883
Gm06	683077	683243 Gmdrm	hypo	CG	-0.8962
Gm06	688931	689026 Gmdrm	hypo	CG	-0.752
Gm06	715383	715539 Gmdrm	hypo	CG	-0.9487
Gm06	729116	729411 Gmdrm	hypo	CG	-0.8614
Gm06	735795	736035 Gmdrm	hypo	CG	-0.9594
Gm06	766916	767036 Gmdrm	hypo	CG	-0.4783
Gm06	767140	767172 Gmdrm	hypo	CG	-0.4333
Gm06	767982	768231 Gmdrm	hypo	CG	-0.564
Gm06	783220	783746 Gmdrm	hypo	CG	-0.344
Gm06	794933	795196 Gmdrm	hypo	CG	-0.5683
Gm06	813385	813522 Gmdrm	hypo	CG	-0.096
Gm06	813839	814064 Gmdrm	hypo	CG	-0.711
Gm06	821413	821426 Gmdrm	hypo	CG	-0.52
Gm06	821574	821740 Gmdrm	hypo	CG	-0.1975

Gm06	826529	826727	Gmdrm	hypo	CG	-0.7489
Gm06	841720	841840	Gmdrm	hypo	CG	-0.3222
Gm06	842343	842703	Gmdrm	hypo	CG	-0.544
Gm06	852276	852413	Gmdrm	hypo	CG	-0.5286
Gm06	857313	857407	Gmdrm	hypo	CG	-0.9657
Gm06	891966	892418	Gmdrm	hypo	CG	-0.0406
Gm06	892867	893161	Gmdrm	hypo	CG	-0.4769
Gm06	910257	910681	Gmdrm	hypo	CG	-0.7934
Gm06	918256	918515	Gmdrm	hypo	CG	-0.8841
Gm06	930164	930228	Gmdrm	hypo	CG	-0.905
Gm06	930582	930731	Gmdrm	hypo	CG	-0.904
Gm06	938528	938674	Gmdrm	hypo	CG	-0.9028
Gm06	1033142	1033505	Gmdrm	hypo	CG	-0.6234
Gm06	1034275	1034447	Gmdrm	hypo	CG	-0.7172
Gm06	1063610	1063709	Gmdrm	hypo	CG	-0.975
Gm06	1086421	1086485	Gmdrm	hypo	CG	-0.57
Gm06	1109984	1110061	Gmdrm	hypo	CG	-0.66
Gm06	1127104	1127212	Gmdrm	hypo	CG	-0.2871
Gm06	1131627	1131663	Gmdrm	hypo	CG	-0.9167
Gm06	1150983	1151122	Gmdrm	hypo	CG	-0.4691
Gm06	1154211	1154306	Gmdrm	hypo	CG	-0.1533
Gm06	1158601	1158721	Gmdrm	hypo	CG	-0.68
Gm06	1167913	1167939	Gmdrm	hypo	CG	-0.1716
Gm06	1168281	1168494	Gmdrm	hypo	CG	-0.227
Gm06	1188583	1188994	Gmdrm	hypo	CG	-0.4538
Gm06	1215228	1215650	Gmdrm	hypo	CG	-0.2785
Gm06	1216074	1216192	Gmdrm	hypo	CG	-0.355
Gm06	1236037	1236288	Gmdrm	hypo	CG	-0.8512
Gm06	1245566	1245810	Gmdrm	hypo	CG	-0.035
Gm06	1258172	1258347	Gmdrm	hypo	CG	-0.162
Gm06	1279430	1279462	Gmdrm	hypo	CG	-0.286
Gm06	1282926	1283231	Gmdrm	hypo	CG	-0.1018
Gm06	1299025	1299152	Gmdrm	hypo	CG	-0.5167
Gm06	1324134	1324239	Gmdrm	hypo	CG	-0.5
Gm06	1332796	1332815	Gmdrm	hypo	CG	-0.97
Gm06	1335946	1336074	Gmdrm	hypo	CG	-0.9037
Gm06	1348136	1348369	Gmdrm	hypo	CG	-0.3854
Gm06	1348557	1348839	Gmdrm	hypo	CG	-0.8009
Gm06	1360326	1360481	Gmdrm	hypo	CG	-0.325
Gm06	1365325	1365400	Gmdrm	hypo	CG	-0.9433
Gm06	1370567	1370743	Gmdrm	hypo	CG	-0.052
Gm06	1391136	1391200	Gmdrm	hypo	CG	-0.8983
Gm06	1393670	1394174	Gmdrm	hypo	CG	-0.056
Gm06	1410395	1410489	Gmdrm	hypo	CG	-0.5658
Gm06	1444666	1444797	Gmdrm	hypo	CG	-0.9087
Gm06	1444917	1445106	Gmdrm	hypo	CG	-0.941

Gm06	1461027	1461060 Gmdrm	hypo	CG	-0.58
Gm06	1475365	1475552 Gmdrm	hypo	CG	-0.748
Gm06	1492087	1492410 Gmdrm	hypo	CG	-0.4665
Gm06	1493008	1493094 Gmdrm	hypo	CG	-0.9233
Gm06	1531365	1531460 Gmdrm	hypo	CG	-0.85
Gm06	1539140	1539326 Gmdrm	hypo	CG	-0.8715
Gm06	1564215	1564425 Gmdrm	hypo	CG	-0.9621
Gm06	1570653	1570807 Gmdrm	hypo	CG	-0.04
Gm06	1592866	1593308 Gmdrm	hypo	CG	-0.6822
Gm06	1601135	1601324 Gmdrm	hypo	CG	-0.91
Gm06	1615263	1615388 Gmdrm	hypo	CG	-0.0612
Gm06	1632244	1632418 Gmdrm	hypo	CG	-0.7717
Gm06	1636124	1636226 Gmdrm	hypo	CG	-0.032
Gm06	1656336	1656511 Gmdrm	hypo	CG	-0.074
Gm06	1661424	1661575 Gmdrm	hypo	CG	-0.062
Gm06	1667497	1667569 Gmdrm	hypo	CG	-0.96
Gm06	1668102	1668236 Gmdrm	hypo	CG	-0.96
Gm06	1697007	1697247 Gmdrm	hypo	CG	-0.4524
Gm06	1697823	1698025 Gmdrm	hypo	CG	-0.034
Gm06	1711013	1711091 Gmdrm	hypo	CG	-0.72
Gm06	1732535	1732695 Gmdrm	hypo	CG	-0.032
Gm06	1736406	1736637 Gmdrm	hypo	CG	-0.6267
Gm06	1737378	1738005 Gmdrm	hypo	CG	-0.601
Gm06	1787356	1787593 Gmdrm	hypo	CG	-0.3975
Gm06	1813054	1813292 Gmdrm	hypo	CG	-0.5963
Gm06	1813493	1813608 Gmdrm	hypo	CG	-0.755
Gm06	1813737	1813796 Gmdrm	hypo	CG	-0.6875
Gm06	1821734	1821837 Gmdrm	hypo	CG	-0.865
Gm06	1868957	1869134 Gmdrm	hypo	CG	-0.2275
Gm06	1892045	1892129 Gmdrm	hypo	CG	-0.45
Gm06	1892995	1893459 Gmdrm	hypo	CG	-0.5959
Gm06	1942481	1942603 Gmdrm	hypo	CG	-0.9708
Gm06	1948404	1948532 Gmdrm	hypo	CG	-0.048
Gm06	1981427	1981700 Gmdrm	hypo	CG	-0.025
Gm06	1984879	1985001 Gmdrm	hypo	CG	-0.4354
Gm06	1990841	1990934 Gmdrm	hypo	CG	-0.675
Gm06	2003965	2004129 Gmdrm	hypo	CG	-0.154
Gm06	2004354	2004475 Gmdrm	hypo	CG	-0.63
Gm06	2017467	2017731 Gmdrm	hypo	CG	-0.8584
Gm06	2048053	2048098 Gmdrm	hypo	CG	-0.213
Gm06	2048241	2048485 Gmdrm	hypo	CG	-0.2731
Gm06	2062426	2062542 Gmdrm	hypo	CG	-0.048
Gm06	2092592	2092801 Gmdrm	hypo	CG	-0.9767
Gm06	2093656	2093929 Gmdrm	hypo	CG	-0.5589
Gm06	2099713	2099918 Gmdrm	hypo	CG	-0.0255
Gm06	2117774	2117918 Gmdrm	hypo	CG	-0.4536

Gm06	2118153	2118232	Gmdrm	hypo	CG	-0.3013
Gm06	2119087	2119106	Gmdrm	hypo	CG	-0.8416
Gm06	2161251	2161444	Gmdrm	hypo	CG	-0.2867
Gm06	2166296	2166433	Gmdrm	hypo	CG	-0.058
Gm06	2202866	2202945	Gmdrm	hypo	CG	-0.9884
Gm06	2203594	2203857	Gmdrm	hypo	CG	-0.8816
Gm06	2216065	2216151	Gmdrm	hypo	CG	-0.54
Gm06	2224532	2225168	Gmdrm	hypo	CG	-0.5335
Gm06	2234392	2234536	Gmdrm	hypo	CG	-0.5562
Gm06	2252725	2252769	Gmdrm	hypo	CG	-0.495
Gm06	2279073	2279248	Gmdrm	hypo	CG	-0.066
Gm06	2294334	2294426	Gmdrm	hypo	CG	-0.5883
Gm06	2322379	2322491	Gmdrm	hypo	CG	-0.5831
Gm06	2322689	2322830	Gmdrm	hypo	CG	-0.1739
Gm06	2323925	2324049	Gmdrm	hypo	CG	-0.6475
Gm06	2337630	2338012	Gmdrm	hypo	CG	-0.3123
Gm06	2356659	2356732	Gmdrm	hypo	CG	-0.8675
Gm06	2356880	2357120	Gmdrm	hypo	CG	-0.238
Gm06	2357327	2357669	Gmdrm	hypo	CG	-0.7337
Gm06	2359184	2359311	Gmdrm	hypo	CG	-0.4738
Gm06	2363573	2363763	Gmdrm	hypo	CG	-0.106
Gm06	2368676	2368772	Gmdrm	hypo	CG	-0.258
Gm06	2369001	2369379	Gmdrm	hypo	CG	-0.1668
Gm06	2406127	2406327	Gmdrm	hypo	CG	-0.762
Gm06	2414177	2414279	Gmdrm	hypo	CG	-0.714
Gm06	2414394	2414412	Gmdrm	hypo	CG	-0.9683
Gm06	2415430	2415528	Gmdrm	hypo	CG	-0.948
Gm06	2437366	2437639	Gmdrm	hypo	CG	-0.032
Gm06	2462455	2462576	Gmdrm	hypo	CG	-0.7867
Gm06	2462715	2462904	Gmdrm	hypo	CG	-0.48
Gm06	2470391	2470444	Gmdrm	hypo	CG	-0.813
Gm06	2496606	2496819	Gmdrm	hypo	CG	-0.638
Gm06	2519892	2520109	Gmdrm	hypo	CG	-0.5982
Gm06	2547769	2547870	Gmdrm	hypo	CG	-0.64
Gm06	2563667	2563949	Gmdrm	hypo	CG	-0.8138
Gm06	2576749	2576880	Gmdrm	hypo	CG	-0.4658
Gm06	2581480	2581659	Gmdrm	hypo	CG	-0.552
Gm06	2601389	2601597	Gmdrm	hypo	CG	-0.4775
Gm06	2602828	2602914	Gmdrm	hypo	CG	-0.052
Gm06	2605388	2605860	Gmdrm	hypo	CG	-0.6387
Gm06	2606011	2606074	Gmdrm	hypo	CG	-0.3916
Gm06	2606364	2606462	Gmdrm	hypo	CG	-0.761
Gm06	2641683	2641731	Gmdrm	hypo	CG	-0.035
Gm06	2658655	2658827	Gmdrm	hypo	CG	-0.032
Gm06	2660842	2661043	Gmdrm	hypo	CG	-0.5856
Gm06	2674633	2675182	Gmdrm	hypo	CG	-0.531

Gm06	2694265	2694360	Gmdrm	hypo	CG	-0.955
Gm06	2753325	2753766	Gmdrm	hypo	CG	-0.4605
Gm06	2754441	2754583	Gmdrm	hypo	CG	-0.721
Gm06	2754828	2755037	Gmdrm	hypo	CG	-0.3143
Gm06	2791025	2791225	Gmdrm	hypo	CG	-0.045
Gm06	2796467	2796828	Gmdrm	hypo	CG	-0.6394
Gm06	2802632	2802698	Gmdrm	hypo	CG	-0.1
Gm06	2802812	2803374	Gmdrm	hypo	CG	-0.1141
Gm06	2816086	2816193	Gmdrm	hypo	CG	-0.7762
Gm06	2831593	2832308	Gmdrm	hypo	CG	-0.0385
Gm06	2855748	2855922	Gmdrm	hypo	CG	-0.0586
Gm06	2856673	2856796	Gmdrm	hypo	CG	-0.062
Gm06	2883451	2883611	Gmdrm	hypo	CG	-0.0228
Gm06	2883925	2884001	Gmdrm	hypo	CG	-0.904
Gm06	2884307	2884595	Gmdrm	hypo	CG	-0.7618
Gm06	2892218	2892307	Gmdrm	hypo	CG	-0.947
Gm06	2892985	2893064	Gmdrm	hypo	CG	-0.9349
Gm06	2897812	2898272	Gmdrm	hypo	CG	-0.7355
Gm06	2927004	2927315	Gmdrm	hypo	CG	-0.8763
Gm06	2947481	2947683	Gmdrm	hypo	CG	-0.0643
Gm06	2966734	2966955	Gmdrm	hypo	CG	-0.695
Gm06	2993043	2993165	Gmdrm	hypo	CG	-0.6567
Gm06	3008023	3008122	Gmdrm	hypo	CG	-0.27
Gm06	3008331	3008541	Gmdrm	hypo	CG	-0.3743
Gm06	3008663	3008791	Gmdrm	hypo	CG	-0.5733
Gm06	3012659	3012866	Gmdrm	hypo	CG	-0.5225
Gm06	3023262	3023563	Gmdrm	hypo	CG	-0.9055
Gm06	3024614	3024906	Gmdrm	hypo	CG	-0.0278
Gm06	3031337	3031501	Gmdrm	hypo	CG	-0.03
Gm06	3033592	3033860	Gmdrm	hypo	CG	-0.6416
Gm06	3046005	3046384	Gmdrm	hypo	CG	-0.563
Gm06	3046750	3046774	Gmdrm	hypo	CG	-0.1766
Gm06	3046917	3047121	Gmdrm	hypo	CG	-0.407
Gm06	3047504	3047918	Gmdrm	hypo	CG	-0.3706
Gm06	3110681	3110934	Gmdrm	hypo	CG	-0.0375
Gm06	3115825	3115956	Gmdrm	hypo	CG	-0.916
Gm06	3116089	3116336	Gmdrm	hypo	CG	-0.8057
Gm06	3120602	3120667	Gmdrm	hypo	CG	-0.038
Gm06	3120834	3121053	Gmdrm	hypo	CG	-0.9453
Gm06	3142271	3142498	Gmdrm	hypo	CG	-0.09
Gm06	3157642	3157705	Gmdrm	hypo	CG	-0.967
Gm06	3158992	3159027	Gmdrm	hypo	CG	-0.8367
Gm06	3159173	3159209	Gmdrm	hypo	CG	-0.7983
Gm06	3159802	3159981	Gmdrm	hypo	CG	-0.038
Gm06	3162546	3162709	Gmdrm	hypo	CG	-0.035
Gm06	3185646	3185819	Gmdrm	hypo	CG	-0.638

Gm06	3219354	3220042	Gmdrm	hypo	CG	-0.2531
Gm06	3306149	3306234	Gmdrm	hypo	CG	-0.8325
Gm06	3334172	3334368	Gmdrm	hypo	CG	-0.8712
Gm06	3347381	3347575	Gmdrm	hypo	CG	-0.567
Gm06	3347965	3348036	Gmdrm	hypo	CG	-0.957
Gm06	3354138	3354217	Gmdrm	hypo	CG	-0.3017
Gm06	3412431	3412507	Gmdrm	hypo	CG	-0.74
Gm06	3421531	3421607	Gmdrm	hypo	CG	-0.1879
Gm06	3421960	3422031	Gmdrm	hypo	CG	-0.635
Gm06	3422175	3422200	Gmdrm	hypo	CG	-0.4837
Gm06	3422414	3422700	Gmdrm	hypo	CG	-0.8
Gm06	3431357	3431739	Gmdrm	hypo	CG	-0.1004
Gm06	3442478	3442577	Gmdrm	hypo	CG	-0.9233
Gm06	3450930	3451032	Gmdrm	hypo	CG	-0.8662
Gm06	3491691	3491874	Gmdrm	hypo	CG	-0.0417
Gm06	3518638	3518751	Gmdrm	hypo	CG	-0.72
Gm06	3534677	3534886	Gmdrm	hypo	CG	-0.9336
Gm06	3541929	3542010	Gmdrm	hypo	CG	-0.1717
Gm06	3590652	3590699	Gmdrm	hypo	CG	-0.0371
Gm06	3590849	3591158	Gmdrm	hypo	CG	-0.8642
Gm06	3604877	3604938	Gmdrm	hypo	CG	-0.9367
Gm06	3606711	3606867	Gmdrm	hypo	CG	-0.979
Gm06	3641611	3642154	Gmdrm	hypo	CG	-0.544
Gm06	3651332	3651429	Gmdrm	hypo	CG	-0.4317
Gm06	3662757	3662875	Gmdrm	hypo	CG	-0.8329
Gm06	3682266	3682586	Gmdrm	hypo	CG	-0.4727
Gm06	3692570	3692735	Gmdrm	hypo	CG	-0.044
Gm06	3700026	3700571	Gmdrm	hypo	CG	-0.7139
Gm06	3702008	3702212	Gmdrm	hypo	CG	-0.9007
Gm06	3720948	3721309	Gmdrm	hypo	CG	-0.699
Gm06	3723968	3724095	Gmdrm	hypo	CG	-0.9356
Gm06	3729677	3730022	Gmdrm	hypo	CG	-0.7722
Gm06	3750813	3751179	Gmdrm	hypo	CG	-0.943
Gm06	3754351	3754421	Gmdrm	hypo	CG	-0.151
Gm06	3754873	3754966	Gmdrm	hypo	CG	-0.118
Gm06	3759418	3759602	Gmdrm	hypo	CG	-0.0942
Gm06	3820139	3820504	Gmdrm	hypo	CG	-0.466
Gm06	3877589	3877613	Gmdrm	hypo	CG	-0.9483
Gm06	3887974	3888133	Gmdrm	hypo	CG	-0.7214
Gm06	3911187	3911317	Gmdrm	hypo	CG	-0.2545
Gm06	3945957	3946034	Gmdrm	hypo	CG	-0.44
Gm06	3947893	3948112	Gmdrm	hypo	CG	-0.2425
Gm06	3948240	3948537	Gmdrm	hypo	CG	-0.4686
Gm06	3952357	3952983	Gmdrm	hypo	CG	-0.5965
Gm06	3956620	3956896	Gmdrm	hypo	CG	-0.7858
Gm06	3957602	3957665	Gmdrm	hypo	CG	-0.1413

Gm06	3957925	3958156	Gmdrm	hypo	CG	-0.6505
Gm06	4013210	4013315	Gmdrm	hypo	CG	-0.6617
Gm06	4029163	4029269	Gmdrm	hypo	CG	-0.931
Gm06	4030214	4030373	Gmdrm	hypo	CG	-0.3542
Gm06	4035388	4035532	Gmdrm	hypo	CG	-0.967
Gm06	4041823	4041980	Gmdrm	hypo	CG	-0.5375
Gm06	4042105	4042294	Gmdrm	hypo	CG	-0.5744
Gm06	4043731	4043897	Gmdrm	hypo	CG	-0.3594
Gm06	4057692	4057824	Gmdrm	hypo	CG	-0.7183
Gm06	4071087	4071354	Gmdrm	hypo	CG	-0.0271
Gm06	4071803	4071871	Gmdrm	hypo	CG	-0.5714
Gm06	4090673	4090989	Gmdrm	hypo	CG	-0.472
Gm06	4095909	4096263	Gmdrm	hypo	CG	-0.1932
Gm06	4105861	4106067	Gmdrm	hypo	CG	-0.936
Gm06	4123568	4123696	Gmdrm	hypo	CG	-0.4571
Gm06	4146982	4147145	Gmdrm	hypo	CG	-0.865
Gm06	4162145	4162180	Gmdrm	hypo	CG	-0.61
Gm06	4190216	4190449	Gmdrm	hypo	CG	-0.9288
Gm06	4223790	4223911	Gmdrm	hypo	CG	-0.94
Gm06	4278425	4278481	Gmdrm	hypo	CG	-0.91
Gm06	4290750	4290955	Gmdrm	hypo	CG	-0.835
Gm06	4312950	4313544	Gmdrm	hypo	CG	-0.1489
Gm06	4345323	4345336	Gmdrm	hypo	CG	-0.9725
Gm06	4371190	4371298	Gmdrm	hypo	CG	-0.55
Gm06	4371612	4371683	Gmdrm	hypo	CG	-0.968
Gm06	4375094	4375103	Gmdrm	hypo	CG	-0.3733
Gm06	4388664	4388697	Gmdrm	hypo	CG	-0.036
Gm06	4393523	4393558	Gmdrm	hypo	CG	-0.25
Gm06	4412283	4412627	Gmdrm	hypo	CG	-0.4343
Gm06	4417433	4417526	Gmdrm	hypo	CG	-0.8384
Gm06	4467321	4467388	Gmdrm	hypo	CG	-0.7184
Gm06	4468660	4468775	Gmdrm	hypo	CG	-0.5683
Gm06	4495724	4496440	Gmdrm	hypo	CG	-0.164
Gm06	4528702	4528759	Gmdrm	hypo	CG	-0.94
Gm06	4549312	4549500	Gmdrm	hypo	CG	-0.6586
Gm06	4551870	4551954	Gmdrm	hypo	CG	-0.3183
Gm06	4569399	4569548	Gmdrm	hypo	CG	-0.8522
Gm06	4569968	4570009	Gmdrm	hypo	CG	-0.8617
Gm06	4585019	4585144	Gmdrm	hypo	CG	-0.945
Gm06	4621586	4621899	Gmdrm	hypo	CG	-0.3782
Gm06	4662449	4662659	Gmdrm	hypo	CG	-0.8818
Gm06	4687936	4688031	Gmdrm	hypo	CG	-0.955
Gm06	4688261	4688316	Gmdrm	hypo	CG	-0.9075
Gm06	4688587	4688733	Gmdrm	hypo	CG	-0.6583
Gm06	4696930	4697460	Gmdrm	hypo	CG	-0.1576
Gm06	4737308	4737568	Gmdrm	hypo	CG	-0.5307

Gm06	4737924	4738029	Gmdrm	hypo	CG	-0.831
Gm06	4738145	4738328	Gmdrm	hypo	CG	-0.698
Gm06	4763527	4763670	Gmdrm	hypo	CG	-0.6833
Gm06	4763820	4763858	Gmdrm	hypo	CG	-0.3933
Gm06	4764534	4764704	Gmdrm	hypo	CG	-0.508
Gm06	4768664	4768784	Gmdrm	hypo	CG	-0.032
Gm06	4774465	4774731	Gmdrm	hypo	CG	-0.0508
Gm06	4806856	4806922	Gmdrm	hypo	CG	-0.1567
Gm06	4814323	4814470	Gmdrm	hypo	CG	-0.0363
Gm06	4847404	4847973	Gmdrm	hypo	CG	-0.1017
Gm06	4858575	4858702	Gmdrm	hypo	CG	-0.4092
Gm06	4859525	4859922	Gmdrm	hypo	CG	-0.0657
Gm06	4869750	4869934	Gmdrm	hypo	CG	-0.3613
Gm06	4895933	4896091	Gmdrm	hypo	CG	-0.2622
Gm06	4918141	4918358	Gmdrm	hypo	CG	-0.7745
Gm06	4932576	4932688	Gmdrm	hypo	CG	-0.05
Gm06	4936653	4936869	Gmdrm	hypo	CG	-0.0367
Gm06	4937647	4937786	Gmdrm	hypo	CG	-0.1515
Gm06	4939013	4939234	Gmdrm	hypo	CG	-0.078
Gm06	4959849	4959972	Gmdrm	hypo	CG	-0.785
Gm06	4961007	4961025	Gmdrm	hypo	CG	-0.7833
Gm06	5011939	5012130	Gmdrm	hypo	CG	-0.9445
Gm06	5012755	5012974	Gmdrm	hypo	CG	-0.4429
Gm06	5016811	5017075	Gmdrm	hypo	CG	-0.8481
Gm06	5021313	5021525	Gmdrm	hypo	CG	-0.066
Gm06	5032848	5033119	Gmdrm	hypo	CG	-0.566
Gm06	5098440	5098558	Gmdrm	hypo	CG	-0.795
Gm06	5098837	5098913	Gmdrm	hypo	CG	-0.788
Gm06	5106437	5106529	Gmdrm	hypo	CG	-0.5766
Gm06	5112059	5112364	Gmdrm	hypo	CG	-0.7816
Gm06	5118253	5118339	Gmdrm	hypo	CG	-0.5233
Gm06	5161109	5161196	Gmdrm	hypo	CG	-0.1513
Gm06	5166304	5166357	Gmdrm	hypo	CG	-0.044
Gm06	5167839	5167904	Gmdrm	hypo	CG	-0.9067
Gm06	5188468	5188615	Gmdrm	hypo	CG	-0.3865
Gm06	5188844	5189016	Gmdrm	hypo	CG	-0.7653
Gm06	5189309	5189448	Gmdrm	hypo	CG	-0.5249
Gm06	5199496	5199633	Gmdrm	hypo	CG	-0.7186
Gm06	5214353	5214609	Gmdrm	hypo	CG	-0.326
Gm06	5240199	5240365	Gmdrm	hypo	CG	-0.7122
Gm06	5267205	5267281	Gmdrm	hypo	CG	-0.0257
Gm06	5272533	5272559	Gmdrm	hypo	CG	-0.73
Gm06	5272705	5272733	Gmdrm	hypo	CG	-0.9533
Gm06	5279953	5280066	Gmdrm	hypo	CG	-0.859
Gm06	5280230	5280354	Gmdrm	hypo	CG	-0.266
Gm06	5281954	5282001	Gmdrm	hypo	CG	-0.655

Gm06	5282713	5283134	Gmdrm	hypo	CG	-0.2905
Gm06	5326023	5326068	Gmdrm	hypo	CG	-0.038
Gm06	5331471	5331746	Gmdrm	hypo	CG	-0.8833
Gm06	5346875	5347165	Gmdrm	hypo	CG	-0.8407
Gm06	5354176	5354298	Gmdrm	hypo	CG	-0.0917
Gm06	5381363	5381476	Gmdrm	hypo	CG	-0.9675
Gm06	5393742	5394036	Gmdrm	hypo	CG	-0.6927
Gm06	5401854	5402028	Gmdrm	hypo	CG	-0.0467
Gm06	5410569	5411071	Gmdrm	hypo	CG	-0.7667
Gm06	5411201	5411352	Gmdrm	hypo	CG	-0.7888
Gm06	5427413	5427615	Gmdrm	hypo	CG	-0.5788
Gm06	5427721	5427870	Gmdrm	hypo	CG	-0.4613
Gm06	5431816	5431881	Gmdrm	hypo	CG	-0.68
Gm06	5449616	5449752	Gmdrm	hypo	CG	-0.5434
Gm06	5508085	5508127	Gmdrm	hypo	CG	-0.784
Gm06	5529013	5529125	Gmdrm	hypo	CG	-0.375
Gm06	5567516	5567682	Gmdrm	hypo	CG	-0.4925
Gm06	5568663	5568796	Gmdrm	hypo	CG	-0.5433
Gm06	5569284	5569399	Gmdrm	hypo	CG	-0.0257
Gm06	5589487	5589572	Gmdrm	hypo	CG	-0.6216
Gm06	5601393	5601498	Gmdrm	hypo	CG	-0.7716
Gm06	5632883	5633014	Gmdrm	hypo	CG	-0.1938
Gm06	5660446	5660492	Gmdrm	hypo	CG	-0.9688
Gm06	5663651	5663779	Gmdrm	hypo	CG	-0.285
Gm06	5691595	5691600	Gmdrm	hypo	CG	-0.1583
Gm06	5691963	5692037	Gmdrm	hypo	CG	-0.4775
Gm06	5703081	5703224	Gmdrm	hypo	CG	-0.746
Gm06	5740362	5740469	Gmdrm	hypo	CG	-0.0533
Gm06	5757364	5757494	Gmdrm	hypo	CG	-0.949
Gm06	5775497	5775537	Gmdrm	hypo	CG	-0.064
Gm06	5788331	5788570	Gmdrm	hypo	CG	-0.3686
Gm06	5804287	5804507	Gmdrm	hypo	CG	-0.5137
Gm06	5804726	5804780	Gmdrm	hypo	CG	-0.4126
Gm06	5826812	5826926	Gmdrm	hypo	CG	-0.8817
Gm06	5931248	5931352	Gmdrm	hypo	CG	-0.315
Gm06	5940108	5940257	Gmdrm	hypo	CG	-0.3425
Gm06	5956595	5956632	Gmdrm	hypo	CG	-0.9812
Gm06	6025564	6025633	Gmdrm	hypo	CG	-0.0767
Gm06	6048415	6048475	Gmdrm	hypo	CG	-0.48
Gm06	6059366	6059544	Gmdrm	hypo	CG	-0.8975
Gm06	6071597	6071752	Gmdrm	hypo	CG	-0.9308
Gm06	6082681	6082706	Gmdrm	hypo	CG	-0.7584
Gm06	6108336	6108503	Gmdrm	hypo	CG	-0.9556
Gm06	6162651	6162782	Gmdrm	hypo	CG	-0.566
Gm06	6184016	6184100	Gmdrm	hypo	CG	-0.6433
Gm06	6186772	6186944	Gmdrm	hypo	CG	-0.24

Gm06	6193604	6193752	Gmdrm	hypo	CG	-0.0443
Gm06	6203444	6203545	Gmdrm	hypo	CG	-0.6417
Gm06	6220218	6220352	Gmdrm	hypo	CG	-0.618
Gm06	6231751	6231868	Gmdrm	hypo	CG	-0.752
Gm06	6244457	6244525	Gmdrm	hypo	CG	-0.642
Gm06	6258551	6258656	Gmdrm	hypo	CG	-0.2787
Gm06	6296227	6296374	Gmdrm	hypo	CG	-0.0386
Gm06	6417611	6418034	Gmdrm	hypo	CG	-0.6108
Gm06	6434248	6434362	Gmdrm	hypo	CG	-0.785
Gm06	6442702	6442763	Gmdrm	hypo	CG	-0.2025
Gm06	6442873	6443034	Gmdrm	hypo	CG	-0.207
Gm06	6443146	6443281	Gmdrm	hypo	CG	-0.35
Gm06	6453859	6454018	Gmdrm	hypo	CG	-0.7567
Gm06	6456178	6456221	Gmdrm	hypo	CG	-0.9538
Gm06	6477513	6478020	Gmdrm	hypo	CG	-0.214
Gm06	6490380	6490564	Gmdrm	hypo	CG	-0.5441
Gm06	6490885	6491018	Gmdrm	hypo	CG	-0.8334
Gm06	6496251	6496509	Gmdrm	hypo	CG	-0.0625
Gm06	6554404	6554503	Gmdrm	hypo	CG	-0.6656
Gm06	6568539	6568570	Gmdrm	hypo	CG	-0.3833
Gm06	6572958	6573262	Gmdrm	hypo	CG	-0.7739
Gm06	6574940	6575291	Gmdrm	hypo	CG	-0.8075
Gm06	6613400	6613434	Gmdrm	hypo	CG	-0.4883
Gm06	6634511	6634608	Gmdrm	hypo	CG	-0.7517
Gm06	6637742	6637803	Gmdrm	hypo	CG	-0.076
Gm06	6662414	6662451	Gmdrm	hypo	CG	-0.1363
Gm06	6693787	6693979	Gmdrm	hypo	CG	-0.038
Gm06	6755123	6755195	Gmdrm	hypo	CG	-0.1616
Gm06	6790008	6790218	Gmdrm	hypo	CG	-0.9512
Gm06	6791743	6791947	Gmdrm	hypo	CG	-0.93
Gm06	6793073	6793557	Gmdrm	hypo	CG	-0.5982
Gm06	6800035	6800140	Gmdrm	hypo	CG	-0.7017
Gm06	6806389	6806706	Gmdrm	hypo	CG	-0.028
Gm06	6811113	6811302	Gmdrm	hypo	CG	-0.4358
Gm06	6846760	6846996	Gmdrm	hypo	CG	-0.6084
Gm06	6847622	6847998	Gmdrm	hypo	CG	-0.3545
Gm06	6852850	6852901	Gmdrm	hypo	CG	-0.9267
Gm06	6854764	6855110	Gmdrm	hypo	CG	-0.055
Gm06	6855626	6855886	Gmdrm	hypo	CG	-0.1062
Gm06	6870773	6870950	Gmdrm	hypo	CG	-0.052
Gm06	6911996	6912485	Gmdrm	hypo	CG	-0.6929
Gm06	6912787	6912830	Gmdrm	hypo	CG	-0.5933
Gm06	6912973	6913061	Gmdrm	hypo	CG	-0.555
Gm06	6922887	6923204	Gmdrm	hypo	CG	-0.09
Gm06	6929055	6929120	Gmdrm	hypo	CG	-0.8057
Gm06	6949780	6950284	Gmdrm	hypo	CG	-0.7173

Gm06	7025803	7026142	Gmdrm	hypo	CG	-0.6166
Gm06	7050731	7051723	Gmdrm	hypo	CG	-0.3332
Gm06	7051755	7051883	Gmdrm	hypo	CG	-0.6957
Gm06	7054689	7054769	Gmdrm	hypo	CG	-0.8783
Gm06	7054873	7054931	Gmdrm	hypo	CG	-0.9733
Gm06	7070379	7070691	Gmdrm	hypo	CG	-0.8871
Gm06	7071204	7071435	Gmdrm	hypo	CG	-0.5097
Gm06	7140546	7140606	Gmdrm	hypo	CG	-0.032
Gm06	7141044	7141180	Gmdrm	hypo	CG	-0.865
Gm06	7142503	7142628	Gmdrm	hypo	CG	-0.8483
Gm06	7150070	7150094	Gmdrm	hypo	CG	-0.3483
Gm06	7163399	7163653	Gmdrm	hypo	CG	-0.6643
Gm06	7163952	7164066	Gmdrm	hypo	CG	-0.024
Gm06	7231385	7231487	Gmdrm	hypo	CG	-0.4991
Gm06	7236260	7236414	Gmdrm	hypo	CG	-0.7875
Gm06	7268599	7268710	Gmdrm	hypo	CG	-0.505
Gm06	7296750	7297137	Gmdrm	hypo	CG	-0.8362
Gm06	7331738	7331831	Gmdrm	hypo	CG	-0.568
Gm06	7337335	7337456	Gmdrm	hypo	CG	-0.6695
Gm06	7337639	7337706	Gmdrm	hypo	CG	-0.7667
Gm06	7381118	7381278	Gmdrm	hypo	CG	-0.745
Gm06	7384919	7384981	Gmdrm	hypo	CG	-0.9512
Gm06	7398757	7398886	Gmdrm	hypo	CG	-0.882
Gm06	7399003	7399100	Gmdrm	hypo	CG	-0.8863
Gm06	7412645	7412819	Gmdrm	hypo	CG	-0.042
Gm06	7429059	7429227	Gmdrm	hypo	CG	-0.915
Gm06	7468444	7468628	Gmdrm	hypo	CG	-0.594
Gm06	7477262	7477847	Gmdrm	hypo	CG	-0.0354
Gm06	7494236	7494442	Gmdrm	hypo	CG	-0.939
Gm06	7509130	7509298	Gmdrm	hypo	CG	-0.9531
Gm06	7541654	7541799	Gmdrm	hypo	CG	-0.114
Gm06	7581836	7582017	Gmdrm	hypo	CG	-0.0512
Gm06	7593460	7593586	Gmdrm	hypo	CG	-0.7307
Gm06	7618410	7618468	Gmdrm	hypo	CG	-0.9434
Gm06	7618955	7619344	Gmdrm	hypo	CG	-0.4666
Gm06	7628165	7628332	Gmdrm	hypo	CG	-0.718
Gm06	7693374	7693561	Gmdrm	hypo	CG	-0.297
Gm06	7693701	7694153	Gmdrm	hypo	CG	-0.0827
Gm06	7765076	7765558	Gmdrm	hypo	CG	-0.5422
Gm06	7766981	7767111	Gmdrm	hypo	CG	-0.045
Gm06	7767418	7767499	Gmdrm	hypo	CG	-0.7133
Gm06	7774017	7774045	Gmdrm	hypo	CG	-0.0867
Gm06	7804061	7804227	Gmdrm	hypo	CG	-0.7101
Gm06	7804374	7804531	Gmdrm	hypo	CG	-0.199
Gm06	7804864	7804884	Gmdrm	hypo	CG	-0.4667
Gm06	7805059	7805168	Gmdrm	hypo	CG	-0.883

Gm06	7838259	7838394	Gmdrm	hypo	CG	-0.669
Gm06	7838567	7839026	Gmdrm	hypo	CG	-0.5529
Gm06	7865773	7866240	Gmdrm	hypo	CG	-0.065
Gm06	7866401	7866650	Gmdrm	hypo	CG	-0.5885
Gm06	7874901	7875021	Gmdrm	hypo	CG	-0.7427
Gm06	7902449	7902693	Gmdrm	hypo	CG	-0.028
Gm06	7907245	7907370	Gmdrm	hypo	CG	-0.044
Gm06	7939054	7939407	Gmdrm	hypo	CG	-0.0967
Gm06	7962378	7962551	Gmdrm	hypo	CG	-0.8713
Gm06	7983998	7984192	Gmdrm	hypo	CG	-0.2766
Gm06	8003021	8003054	Gmdrm	hypo	CG	-0.6483
Gm06	8008728	8008772	Gmdrm	hypo	CG	-0.92
Gm06	8020111	8020206	Gmdrm	hypo	CG	-0.655
Gm06	8020319	8020356	Gmdrm	hypo	CG	-0.7717
Gm06	8050674	8051127	Gmdrm	hypo	CG	-0.4346
Gm06	8067776	8068350	Gmdrm	hypo	CG	-0.3628
Gm06	8094932	8095016	Gmdrm	hypo	CG	-0.6583
Gm06	8134383	8134552	Gmdrm	hypo	CG	-0.922
Gm06	8134699	8135006	Gmdrm	hypo	CG	-0.7275
Gm06	8144406	8144509	Gmdrm	hypo	CG	-0.78
Gm06	8169503	8169520	Gmdrm	hypo	CG	-0.2633
Gm06	8169697	8169930	Gmdrm	hypo	CG	-0.1836
Gm06	8186459	8186616	Gmdrm	hypo	CG	-0.3457
Gm06	8196962	8197042	Gmdrm	hypo	CG	-0.7413
Gm06	8197498	8197602	Gmdrm	hypo	CG	-0.1383
Gm06	8215200	8215362	Gmdrm	hypo	CG	-0.8093
Gm06	8260900	8260992	Gmdrm	hypo	CG	-0.072
Gm06	8277780	8277917	Gmdrm	hypo	CG	-0.916
Gm06	8294276	8294509	Gmdrm	hypo	CG	-0.6
Gm06	8294836	8294882	Gmdrm	hypo	CG	-0.865
Gm06	8296535	8296679	Gmdrm	hypo	CG	-0.0228
Gm06	8317297	8317427	Gmdrm	hypo	CG	-0.648
Gm06	8326633	8327144	Gmdrm	hypo	CG	-0.2937
Gm06	8335622	8336105	Gmdrm	hypo	CG	-0.603
Gm06	8341492	8341673	Gmdrm	hypo	CG	-0.625
Gm06	8378695	8378777	Gmdrm	hypo	CG	-0.062
Gm06	8402849	8403395	Gmdrm	hypo	CG	-0.1403
Gm06	8405678	8405717	Gmdrm	hypo	CG	-0.6534
Gm06	8422316	8422519	Gmdrm	hypo	CG	-0.5746
Gm06	8430122	8430400	Gmdrm	hypo	CG	-0.9543
Gm06	8430545	8430579	Gmdrm	hypo	CG	-0.86
Gm06	8434709	8435012	Gmdrm	hypo	CG	-0.0431
Gm06	8473770	8473957	Gmdrm	hypo	CG	-0.0362
Gm06	8480789	8480953	Gmdrm	hypo	CG	-0.8684
Gm06	8490576	8490760	Gmdrm	hypo	CG	-0.7463
Gm06	8527018	8527257	Gmdrm	hypo	CG	-0.51

Gm06	8530512	8530589	Gmdrm	hypo	CG	-0.7733
Gm06	8552721	8552959	Gmdrm	hypo	CG	-0.7794
Gm06	8557685	8557913	Gmdrm	hypo	CG	-0.0928
Gm06	8589226	8589802	Gmdrm	hypo	CG	-0.0254
Gm06	8592479	8592672	Gmdrm	hypo	CG	-0.9
Gm06	8592961	8593099	Gmdrm	hypo	CG	-0.895
Gm06	8593205	8593280	Gmdrm	hypo	CG	-0.975
Gm06	8593433	8593590	Gmdrm	hypo	CG	-0.858
Gm06	8597927	8598297	Gmdrm	hypo	CG	-0.6852
Gm06	8598489	8598581	Gmdrm	hypo	CG	-0.5634
Gm06	8618959	8619104	Gmdrm	hypo	CG	-0.7433
Gm06	8624940	8625054	Gmdrm	hypo	CG	-0.5483
Gm06	8625186	8625448	Gmdrm	hypo	CG	-0.6165
Gm06	8652039	8652436	Gmdrm	hypo	CG	-0.5313
Gm06	8653366	8653569	Gmdrm	hypo	CG	-0.4888
Gm06	8663619	8663672	Gmdrm	hypo	CG	-0.032
Gm06	8666705	8666953	Gmdrm	hypo	CG	-0.4776
Gm06	8713049	8713342	Gmdrm	hypo	CG	-0.4765
Gm06	8713796	8714070	Gmdrm	hypo	CG	-0.5162
Gm06	8715202	8715331	Gmdrm	hypo	CG	-0.595
Gm06	8727463	8727554	Gmdrm	hypo	CG	-0.3033
Gm06	8729132	8729217	Gmdrm	hypo	CG	-0.6186
Gm06	8741176	8741417	Gmdrm	hypo	CG	-0.5628
Gm06	8754475	8754596	Gmdrm	hypo	CG	-0.4645
Gm06	8754742	8755132	Gmdrm	hypo	CG	-0.3441
Gm06	8786831	8786895	Gmdrm	hypo	CG	-0.7584
Gm06	8787046	8787249	Gmdrm	hypo	CG	-0.5706
Gm06	8810412	8810556	Gmdrm	hypo	CG	-0.8794
Gm06	8858184	8858276	Gmdrm	hypo	CG	-0.838
Gm06	8896124	8896182	Gmdrm	hypo	CG	-0.8366
Gm06	8896743	8897087	Gmdrm	hypo	CG	-0.6917
Gm06	8911595	8911751	Gmdrm	hypo	CG	-0.51
Gm06	8914560	8914791	Gmdrm	hypo	CG	-0.89
Gm06	8920248	8920708	Gmdrm	hypo	CG	-0.055
Gm06	8929699	8929742	Gmdrm	hypo	CG	-0.9417
Gm06	8939228	8939829	Gmdrm	hypo	CG	-0.115
Gm06	8940957	8941091	Gmdrm	hypo	CG	-0.0571
Gm06	8964026	8964220	Gmdrm	hypo	CG	-0.0433
Gm06	8984572	8985176	Gmdrm	hypo	CG	-0.1048
Gm06	9059419	9059669	Gmdrm	hypo	CG	-0.8239
Gm06	9100677	9100914	Gmdrm	hypo	CG	-0.2679
Gm06	9119021	9119187	Gmdrm	hypo	CG	-0.6
Gm06	9119532	9119636	Gmdrm	hypo	CG	-0.662
Gm06	9119775	9119977	Gmdrm	hypo	CG	-0.5575
Gm06	9139161	9139230	Gmdrm	hypo	CG	-0.645
Gm06	9178513	9178624	Gmdrm	hypo	CG	-0.748

Gm06	9210207	9210320 Gmdrm	hypo	CG	-0.5625
Gm06	9217255	9217292 Gmdrm	hypo	CG	-0.65
Gm06	9224557	9224664 Gmdrm	hypo	CG	-0.81
Gm06	9224857	9225077 Gmdrm	hypo	CG	-0.94
Gm06	9226909	9227025 Gmdrm	hypo	CG	-0.8175
Gm06	9254756	9254906 Gmdrm	hypo	CG	-0.5212
Gm06	9262503	9263033 Gmdrm	hypo	CG	-0.4195
Gm06	9263157	9263284 Gmdrm	hypo	CG	-0.678
Gm06	9266244	9266291 Gmdrm	hypo	CG	-0.036
Gm06	9271762	9271894 Gmdrm	hypo	CG	-0.1067
Gm06	9278959	9279158 Gmdrm	hypo	CG	-0.3631
Gm06	9285847	9285977 Gmdrm	hypo	CG	-0.8357
Gm06	9286672	9286788 Gmdrm	hypo	CG	-0.9175
Gm06	9294775	9294849 Gmdrm	hypo	CG	-0.8892
Gm06	9304053	9304134 Gmdrm	hypo	CG	-0.365
Gm06	9304245	9304383 Gmdrm	hypo	CG	-0.2411
Gm06	9308342	9308457 Gmdrm	hypo	CG	-0.05
Gm06	9319013	9319412 Gmdrm	hypo	CG	-0.5
Gm06	9321177	9321260 Gmdrm	hypo	CG	-0.8325
Gm06	9348650	9348732 Gmdrm	hypo	CG	-0.0663
Gm06	9375779	9375939 Gmdrm	hypo	CG	-0.085
Gm06	9395870	9396105 Gmdrm	hypo	CG	-0.813
Gm06	9413764	9413955 Gmdrm	hypo	CG	-0.5825
Gm06	9423080	9423124 Gmdrm	hypo	CG	-0.39
Gm06	9439537	9440148 Gmdrm	hypo	CG	-0.188
Gm06	9493378	9493518 Gmdrm	hypo	CG	-0.4916
Gm06	9493771	9493930 Gmdrm	hypo	CG	-0.0911
Gm06	9504514	9504659 Gmdrm	hypo	CG	-0.8427
Gm06	9504853	9504983 Gmdrm	hypo	CG	-0.6122
Gm06	9516617	9516693 Gmdrm	hypo	CG	-0.6725
Gm06	9517041	9517255 Gmdrm	hypo	CG	-0.481
Gm06	9539171	9539329 Gmdrm	hypo	CG	-0.5016
Gm06	9539925	9540170 Gmdrm	hypo	CG	-0.0584
Gm06	9541399	9541755 Gmdrm	hypo	CG	-0.12
Gm06	9624523	9624635 Gmdrm	hypo	CG	-0.908
Gm06	9662291	9662336 Gmdrm	hypo	CG	-0.7912
Gm06	9662579	9662777 Gmdrm	hypo	CG	-0.9363
Gm06	9663040	9663169 Gmdrm	hypo	CG	-0.9525
Gm06	9667301	9667435 Gmdrm	hypo	CG	-0.7477
Gm06	9667691	9667975 Gmdrm	hypo	CG	-0.5626
Gm06	9694530	9694600 Gmdrm	hypo	CG	-0.824
Gm06	9700560	9700616 Gmdrm	hypo	CG	-0.812
Gm06	9770481	9770713 Gmdrm	hypo	CG	-0.763
Gm06	9771549	9771637 Gmdrm	hypo	CG	-0.87
Gm06	9788758	9788927 Gmdrm	hypo	CG	-0.7127
Gm06	9797875	9797961 Gmdrm	hypo	CG	-0.0613

Gm06	9820823	9820935	Gmdrm	hypo	CG	-0.9675
Gm06	9874302	9874388	Gmdrm	hypo	CG	-0.7717
Gm06	9876841	9876954	Gmdrm	hypo	CG	-0.0383
Gm06	9907721	9907918	Gmdrm	hypo	CG	-0.9357
Gm06	9911310	9911591	Gmdrm	hypo	CG	-0.4633
Gm06	9916955	9917187	Gmdrm	hypo	CG	-0.852
Gm06	9917375	9917548	Gmdrm	hypo	CG	-0.9186
Gm06	9917725	9917968	Gmdrm	hypo	CG	-0.9667
Gm06	9920685	9920842	Gmdrm	hypo	CG	-0.4535
Gm06	9922103	9922237	Gmdrm	hypo	CG	-0.4357
Gm06	9945654	9946180	Gmdrm	hypo	CG	-0.2512
Gm06	9954165	9954235	Gmdrm	hypo	CG	-0.0513
Gm06	9969083	9969167	Gmdrm	hypo	CG	-0.57
Gm06	9980544	9980700	Gmdrm	hypo	CG	-0.6745
Gm06	10016533	10016797	Gmdrm	hypo	CG	-0.6548
Gm06	10016952	10016999	Gmdrm	hypo	CG	-0.763
Gm06	10018992	10019009	Gmdrm	hypo	CG	-0.465
Gm06	10025191	10025254	Gmdrm	hypo	CG	-0.47
Gm06	10025558	10025839	Gmdrm	hypo	CG	-0.435
Gm06	10030377	10030547	Gmdrm	hypo	CG	-0.5833
Gm06	10058466	10058519	Gmdrm	hypo	CG	-0.158
Gm06	10078543	10078594	Gmdrm	hypo	CG	-0.275
Gm06	10089866	10089974	Gmdrm	hypo	CG	-0.06
Gm06	10108137	10108516	Gmdrm	hypo	CG	-0.0742
Gm06	10151534	10151730	Gmdrm	hypo	CG	-0.048
Gm06	10154019	10154155	Gmdrm	hypo	CG	-0.036
Gm06	10158592	10158620	Gmdrm	hypo	CG	-0.9467
Gm06	10162231	10162434	Gmdrm	hypo	CG	-0.2319
Gm06	10185516	10185757	Gmdrm	hypo	CG	-0.91
Gm06	10186713	10186901	Gmdrm	hypo	CG	-0.686
Gm06	10214319	10214449	Gmdrm	hypo	CG	-0.4126
Gm06	10221235	10221421	Gmdrm	hypo	CG	-0.2475
Gm06	10238760	10239070	Gmdrm	hypo	CG	-0.0824
Gm06	10251335	10251369	Gmdrm	hypo	CG	-0.1433
Gm06	10251814	10251938	Gmdrm	hypo	CG	-0.2383
Gm06	10252799	10252884	Gmdrm	hypo	CG	-0.495
Gm06	10253356	10253447	Gmdrm	hypo	CG	-0.371
Gm06	10275614	10275742	Gmdrm	hypo	CG	-0.19
Gm06	10276075	10276321	Gmdrm	hypo	CG	-0.6821
Gm06	10279693	10279786	Gmdrm	hypo	CG	-0.3567
Gm06	10280365	10280689	Gmdrm	hypo	CG	-0.4408
Gm06	10288836	10288932	Gmdrm	hypo	CG	-0.85
Gm06	10311301	10311676	Gmdrm	hypo	CG	-0.6148
Gm06	10352048	10352090	Gmdrm	hypo	CG	-0.9584
Gm06	10355139	10355359	Gmdrm	hypo	CG	-0.9583
Gm06	10355650	10355725	Gmdrm	hypo	CG	-0.861

Gm06	10357678	10357742	Gmdrm	hypo	CG	-0.39
Gm06	10358789	10358966	Gmdrm	hypo	CG	-0.3791
Gm06	10408261	10408296	Gmdrm	hypo	CG	-0.026
Gm06	10422967	10423053	Gmdrm	hypo	CG	-0.902
Gm06	10423166	10423382	Gmdrm	hypo	CG	-0.5992
Gm06	10431924	10432085	Gmdrm	hypo	CG	-0.331
Gm06	10477977	10478128	Gmdrm	hypo	CG	-0.715
Gm06	10478366	10478579	Gmdrm	hypo	CG	-0.16
Gm06	10480317	10480538	Gmdrm	hypo	CG	-0.7543
Gm06	10482809	10483221	Gmdrm	hypo	CG	-0.8562
Gm06	10491821	10492106	Gmdrm	hypo	CG	-0.3062
Gm06	10492659	10492922	Gmdrm	hypo	CG	-0.3593
Gm06	10508336	10508494	Gmdrm	hypo	CG	-0.066
Gm06	10621810	10621916	Gmdrm	hypo	CG	-0.858
Gm06	10622077	10622158	Gmdrm	hypo	CG	-0.9617
Gm06	10622880	10622910	Gmdrm	hypo	CG	-0.63
Gm06	10631997	10632261	Gmdrm	hypo	CG	-0.518
Gm06	10637167	10637264	Gmdrm	hypo	CG	-0.868
Gm06	10667400	10667456	Gmdrm	hypo	CG	-0.66
Gm06	10667613	10667877	Gmdrm	hypo	CG	-0.1857
Gm06	10678015	10678088	Gmdrm	hypo	CG	-0.197
Gm06	10684897	10685100	Gmdrm	hypo	CG	-0.713
Gm06	10685317	10685672	Gmdrm	hypo	CG	-0.9517
Gm06	10746328	10746395	Gmdrm	hypo	CG	-0.765
Gm06	10749747	10749837	Gmdrm	hypo	CG	-0.6016
Gm06	10765398	10765537	Gmdrm	hypo	CG	-0.6516
Gm06	10770617	10770802	Gmdrm	hypo	CG	-0.108
Gm06	10785582	10785620	Gmdrm	hypo	CG	-0.085
Gm06	10808496	10808890	Gmdrm	hypo	CG	-0.6673
Gm06	10809466	10809721	Gmdrm	hypo	CG	-0.6446
Gm06	10832462	10832636	Gmdrm	hypo	CG	-0.9487
Gm06	10834213	10834416	Gmdrm	hypo	CG	-0.6312
Gm06	10845107	10845438	Gmdrm	hypo	CG	-0.7319
Gm06	10874773	10874879	Gmdrm	hypo	CG	-0.7917
Gm06	10875107	10875199	Gmdrm	hypo	CG	-0.9233
Gm06	10890014	10890414	Gmdrm	hypo	CG	-0.0208
Gm06	10903173	10903225	Gmdrm	hypo	CG	-0.645
Gm06	10932979	10933086	Gmdrm	hypo	CG	-0.096
Gm06	10985701	10985874	Gmdrm	hypo	CG	-0.755
Gm06	11002224	11002338	Gmdrm	hypo	CG	-0.855
Gm06	11019703	11020651	Gmdrm	hypo	CG	-0.2838
Gm06	11036026	11036185	Gmdrm	hypo	CG	-0.2033
Gm06	11037686	11037890	Gmdrm	hypo	CG	-0.537
Gm06	11057282	11057362	Gmdrm	hypo	CG	-0.8234
Gm06	11066956	11067141	Gmdrm	hypo	CG	-0.9442
Gm06	11068128	11068163	Gmdrm	hypo	CG	-0.6383

Gm06	11068293	11068443	Gmdrm	hypo	CG	-0.5434
Gm06	11072177	11072224	Gmdrm	hypo	CG	-0.855
Gm06	11074168	11075155	Gmdrm	hypo	CG	-0.0766
Gm06	11076891	11077021	Gmdrm	hypo	CG	-0.948
Gm06	11109963	11110194	Gmdrm	hypo	CG	-0.9456
Gm06	11114866	11115027	Gmdrm	hypo	CG	-0.072
Gm06	11122143	11122271	Gmdrm	hypo	CG	-0.0557
Gm06	11150419	11150511	Gmdrm	hypo	CG	-0.042
Gm06	11169607	11169696	Gmdrm	hypo	CG	-0.8374
Gm06	11186351	11186492	Gmdrm	hypo	CG	-0.4062
Gm06	11197809	11197945	Gmdrm	hypo	CG	-0.768
Gm06	11232497	11232677	Gmdrm	hypo	CG	-0.6129
Gm06	11312176	11312459	Gmdrm	hypo	CG	-0.4279
Gm06	11312600	11312813	Gmdrm	hypo	CG	-0.535
Gm06	11316136	11316169	Gmdrm	hypo	CG	-0.665
Gm06	11316504	11316664	Gmdrm	hypo	CG	-0.4863
Gm06	11321169	11321428	Gmdrm	hypo	CG	-0.4686
Gm06	11322451	11322500	Gmdrm	hypo	CG	-0.0575
Gm06	11341762	11341947	Gmdrm	hypo	CG	-0.0488
Gm06	11365011	11365560	Gmdrm	hypo	CG	-0.9125
Gm06	11372069	11372174	Gmdrm	hypo	CG	-0.7483
Gm06	11378004	11378167	Gmdrm	hypo	CG	-0.0833
Gm06	11389552	11389585	Gmdrm	hypo	CG	-0.545
Gm06	11389894	11390098	Gmdrm	hypo	CG	-0.372
Gm06	11390233	11390427	Gmdrm	hypo	CG	-0.5475
Gm06	11421204	11421359	Gmdrm	hypo	CG	-0.0684
Gm06	11480254	11480597	Gmdrm	hypo	CG	-0.524
Gm06	11481474	11481576	Gmdrm	hypo	CG	-0.7258
Gm06	11502649	11502723	Gmdrm	hypo	CG	-0.0543
Gm06	11504408	11504457	Gmdrm	hypo	CG	-0.9313
Gm06	11580023	11580224	Gmdrm	hypo	CG	-0.1984
Gm06	11580476	11580568	Gmdrm	hypo	CG	-0.98
Gm06	11588150	11588251	Gmdrm	hypo	CG	-0.584
Gm06	11595461	11595736	Gmdrm	hypo	CG	-0.3168
Gm06	11596188	11596501	Gmdrm	hypo	CG	-0.4881
Gm06	11668121	11668263	Gmdrm	hypo	CG	-0.9483
Gm06	11670692	11670850	Gmdrm	hypo	CG	-0.5482
Gm06	11686477	11686712	Gmdrm	hypo	CG	-0.04
Gm06	11688434	11688570	Gmdrm	hypo	CG	-0.1535
Gm06	11720681	11720804	Gmdrm	hypo	CG	-0.288
Gm06	11771161	11771202	Gmdrm	hypo	CG	-0.8558
Gm06	11771330	11771485	Gmdrm	hypo	CG	-0.3714
Gm06	11771924	11772107	Gmdrm	hypo	CG	-0.7388
Gm06	11782570	11782669	Gmdrm	hypo	CG	-0.1067
Gm06	11807993	11808221	Gmdrm	hypo	CG	-0.6625
Gm06	11808542	11808602	Gmdrm	hypo	CG	-0.3783

Gm06	11809032	11809189	Gmdrm	hypo	CG	-0.397
Gm06	11809739	11809907	Gmdrm	hypo	CG	-0.7026
Gm06	11811809	11811920	Gmdrm	hypo	CG	-0.91
Gm06	11815819	11815930	Gmdrm	hypo	CG	-0.7067
Gm06	11816234	11816272	Gmdrm	hypo	CG	-0.765
Gm06	11816376	11816464	Gmdrm	hypo	CG	-0.93
Gm06	11825881	11826143	Gmdrm	hypo	CG	-0.4996
Gm06	11855607	11855678	Gmdrm	hypo	CG	-0.3825
Gm06	11861182	11861607	Gmdrm	hypo	CG	-0.6685
Gm06	11953961	11954115	Gmdrm	hypo	CG	-0.5306
Gm06	11976424	11976659	Gmdrm	hypo	CG	-0.69
Gm06	11977802	11978153	Gmdrm	hypo	CG	-0.8954
Gm06	11982744	11982868	Gmdrm	hypo	CG	-0.64
Gm06	11994985	11995057	Gmdrm	hypo	CG	-0.945
Gm06	11998796	11998971	Gmdrm	hypo	CG	-0.347
Gm06	12013498	12013584	Gmdrm	hypo	CG	-0.955
Gm06	12013685	12013990	Gmdrm	hypo	CG	-0.941
Gm06	12014903	12014974	Gmdrm	hypo	CG	-0.0871
Gm06	12023438	12023583	Gmdrm	hypo	CG	-0.0657
Gm06	12043854	12043914	Gmdrm	hypo	CG	-0.935
Gm06	12046976	12047040	Gmdrm	hypo	CG	-0.6
Gm06	12047725	12047805	Gmdrm	hypo	CG	-0.7114
Gm06	12057832	12057941	Gmdrm	hypo	CG	-0.535
Gm06	12062962	12063175	Gmdrm	hypo	CG	-0.8166
Gm06	12066523	12066769	Gmdrm	hypo	CG	-0.465
Gm06	12079646	12079678	Gmdrm	hypo	CG	-0.388
Gm06	12080101	12080322	Gmdrm	hypo	CG	-0.1431
Gm06	12086957	12087223	Gmdrm	hypo	CG	-0.4791
Gm06	12096946	12097064	Gmdrm	hypo	CG	-0.8136
Gm06	12118294	12118622	Gmdrm	hypo	CG	-0.325
Gm06	12128937	12129145	Gmdrm	hypo	CG	-0.425
Gm06	12152659	12152988	Gmdrm	hypo	CG	-0.7888
Gm06	12164066	12164179	Gmdrm	hypo	CG	-0.046
Gm06	12187396	12187552	Gmdrm	hypo	CG	-0.59
Gm06	12224781	12224883	Gmdrm	hypo	CG	-0.7833
Gm06	12226640	12226661	Gmdrm	hypo	CG	-0.6717
Gm06	12233859	12233979	Gmdrm	hypo	CG	-0.9612
Gm06	12254629	12254971	Gmdrm	hypo	CG	-0.218
Gm06	12279668	12279755	Gmdrm	hypo	CG	-0.1125
Gm06	12309713	12309769	Gmdrm	hypo	CG	-0.9367
Gm06	12314856	12314916	Gmdrm	hypo	CG	-0.655
Gm06	12358899	12359103	Gmdrm	hypo	CG	-0.5458
Gm06	12359231	12359364	Gmdrm	hypo	CG	-0.4262
Gm06	12359834	12359852	Gmdrm	hypo	CG	-0.88
Gm06	12360055	12360113	Gmdrm	hypo	CG	-0.9134
Gm06	12385131	12385372	Gmdrm	hypo	CG	-0.076

Gm06	12400486	12400595	Gmdrm	hypo	CG	-0.6617
Gm06	12412329	12412366	Gmdrm	hypo	CG	-0.4
Gm06	12412739	12412826	Gmdrm	hypo	CG	-0.93
Gm06	12445288	12445358	Gmdrm	hypo	CG	-0.925
Gm06	12445623	12445937	Gmdrm	hypo	CG	-0.7544
Gm06	12447310	12447393	Gmdrm	hypo	CG	-0.555
Gm06	12449355	12449536	Gmdrm	hypo	CG	-0.8286
Gm06	12456490	12456681	Gmdrm	hypo	CG	-0.922
Gm06	12503037	12503187	Gmdrm	hypo	CG	-0.5823
Gm06	12544365	12544557	Gmdrm	hypo	CG	-0.876
Gm06	12545554	12546058	Gmdrm	hypo	CG	-0.4594
Gm06	12546460	12546738	Gmdrm	hypo	CG	-0.558
Gm06	12550975	12551037	Gmdrm	hypo	CG	-0.5263
Gm06	12553194	12553273	Gmdrm	hypo	CG	-0.9517
Gm06	12553438	12553763	Gmdrm	hypo	CG	-0.935
Gm06	12573003	12573207	Gmdrm	hypo	CG	-0.6025
Gm06	12573960	12574255	Gmdrm	hypo	CG	-0.029
Gm06	12578091	12578262	Gmdrm	hypo	CG	-0.7199
Gm06	12580937	12580968	Gmdrm	hypo	CG	-0.3844
Gm06	12608647	12608767	Gmdrm	hypo	CG	-0.5912
Gm06	12656168	12656354	Gmdrm	hypo	CG	-0.5437
Gm06	12661187	12661506	Gmdrm	hypo	CG	-0.6185
Gm06	12662167	12662204	Gmdrm	hypo	CG	-0.875
Gm06	12680967	12681080	Gmdrm	hypo	CG	-0.053
Gm06	12699311	12699425	Gmdrm	hypo	CG	-0.075
Gm06	12715622	12715720	Gmdrm	hypo	CG	-0.0564
Gm06	12723510	12723549	Gmdrm	hypo	CG	-0.5167
Gm06	12724477	12724518	Gmdrm	hypo	CG	-0.5963
Gm06	12753473	12753511	Gmdrm	hypo	CG	-0.624
Gm06	12772709	12772772	Gmdrm	hypo	CG	-0.9357
Gm06	12776041	12776172	Gmdrm	hypo	CG	-0.12
Gm06	12778510	12778724	Gmdrm	hypo	CG	-0.691
Gm06	12780704	12780772	Gmdrm	hypo	CG	-0.1217
Gm06	12782533	12782694	Gmdrm	hypo	CG	-0.215
Gm06	12799181	12799591	Gmdrm	hypo	CG	-0.1745
Gm06	12816080	12816141	Gmdrm	hypo	CG	-0.9383
Gm06	12842037	12842144	Gmdrm	hypo	CG	-0.66
Gm06	12848724	12849269	Gmdrm	hypo	CG	-0.8056
Gm06	12850626	12850688	Gmdrm	hypo	CG	-0.9134
Gm06	12850932	12851037	Gmdrm	hypo	CG	-0.1917
Gm06	12855745	12855845	Gmdrm	hypo	CG	-0.3372
Gm06	12922399	12922555	Gmdrm	hypo	CG	-0.7844
Gm06	12979007	12979115	Gmdrm	hypo	CG	-0.026
Gm06	13011735	13011801	Gmdrm	hypo	CG	-0.6491
Gm06	13011913	13011953	Gmdrm	hypo	CG	-0.4833
Gm06	13018605	13018790	Gmdrm	hypo	CG	-0.034

Gm06	13023233	13023468	Gmdrm	hypo	CG	-0.7317
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Gm06	13029216	13029347	Gmdrm	hypo	CG	-0.0429
Gm06	13031267	13031961	Gmdrm	hypo	CG	-0.0508
Gm06	13035635	13035705	Gmdrm	hypo	CG	-0.674
Gm06	13036012	13036155	Gmdrm	hypo	CG	-0.625
Gm06	13064056	13064072	Gmdrm	hypo	CG	-0.8417
Gm06	13064175	13064370	Gmdrm	hypo	CG	-0.9118
Gm06	13116528	13116725	Gmdrm	hypo	CG	-0.2529
Gm06	13117567	13117663	Gmdrm	hypo	CG	-0.1133
Gm06	13120554	13120641	Gmdrm	hypo	CG	-0.6633
Gm06	13143353	13143752	Gmdrm	hypo	CG	-0.2
Gm06	13154946	13154996	Gmdrm	hypo	CG	-0.734
Gm06	13162092	13162180	Gmdrm	hypo	CG	-0.4187
Gm06	13185159	13185424	Gmdrm	hypo	CG	-0.3757
Gm06	13190570	13190715	Gmdrm	hypo	CG	-0.1865
Gm06	13201296	13201533	Gmdrm	hypo	CG	-0.9608
Gm06	13207255	13207331	Gmdrm	hypo	CG	-0.734
Gm06	13207559	13207760	Gmdrm	hypo	CG	-0.599
Gm06	13207994	13208068	Gmdrm	hypo	CG	-0.7537
Gm06	13229627	13229844	Gmdrm	hypo	CG	-0.2322
Gm06	13234656	13234727	Gmdrm	hypo	CG	-0.4375
Gm06	13255992	13256251	Gmdrm	hypo	CG	-0.6967
Gm06	13262755	13263118	Gmdrm	hypo	CG	-0.034
Gm06	13287552	13287958	Gmdrm	hypo	CG	-0.4654
Gm06	13295687	13295996	Gmdrm	hypo	CG	-0.6607
Gm06	13324604	13324941	Gmdrm	hypo	CG	-0.5914
Gm06	13325589	13325845	Gmdrm	hypo	CG	-0.5379
Gm06	13381454	13381598	Gmdrm	hypo	CG	-0.267
Gm06	13393638	13393798	Gmdrm	hypo	CG	-0.08
Gm06	13405988	13406204	Gmdrm	hypo	CG	-0.3241
Gm06	13406313	13406391	Gmdrm	hypo	CG	-0.318
Gm06	13425316	13425472	Gmdrm	hypo	CG	-0.5212
Gm06	13455401	13455578	Gmdrm	hypo	CG	-0.3947
Gm06	13458935	13459146	Gmdrm	hypo	CG	-0.62
Gm06	13462866	13463221	Gmdrm	hypo	CG	-0.0652
Gm06	13465285	13465440	Gmdrm	hypo	CG	-0.374
Gm06	13465780	13465935	Gmdrm	hypo	CG	-0.145
Gm06	13475386	13475748	Gmdrm	hypo	CG	-0.0306
Gm06	13486357	13486484	Gmdrm	hypo	CG	-0.034
Gm06	13503786	13503887	Gmdrm	hypo	CG	-0.302
Gm06	13504253	13504500	Gmdrm	hypo	CG	-0.6608
Gm06	13510108	13510216	Gmdrm	hypo	CG	-0.934
Gm06	13511357	13511454	Gmdrm	hypo	CG	-0.2235
Gm06	13515424	13515460	Gmdrm	hypo	CG	-0.0463
Gm06	13521699	13521996	Gmdrm	hypo	CG	-0.5184

Gm06	13522212	13522575	Gmdrm	hypo	CG	-0.6021
Gm06	13545931	13546072	Gmdrm	hypo	CG	-0.952
Gm06	13546226	13546249	Gmdrm	hypo	CG	-0.9684
Gm06	13546580	13546711	Gmdrm	hypo	CG	-0.9617
Gm06	13549888	13550003	Gmdrm	hypo	CG	-0.3838
Gm06	13556151	13556261	Gmdrm	hypo	CG	-0.0714
Gm06	13612065	13612536	Gmdrm	hypo	CG	-0.8167
Gm06	13612659	13612933	Gmdrm	hypo	CG	-0.8075
Gm06	13625265	13625481	Gmdrm	hypo	CG	-0.0301
Gm06	13633857	13634001	Gmdrm	hypo	CG	-0.698
Gm06	13714181	13714610	Gmdrm	hypo	CG	-0.6685
Gm06	13715975	13716071	Gmdrm	hypo	CG	-0.6899
Gm06	13751821	13752316	Gmdrm	hypo	CG	-0.2676
Gm06	13760082	13760255	Gmdrm	hypo	CG	-0.4129
Gm06	13780926	13781174	Gmdrm	hypo	CG	-0.6615
Gm06	13787821	13787912	Gmdrm	hypo	CG	-0.9637
Gm06	13788125	13788155	Gmdrm	hypo	CG	-0.8916
Gm06	13811308	13811531	Gmdrm	hypo	CG	-0.4075
Gm06	13822963	13823025	Gmdrm	hypo	CG	-0.4666
Gm06	13823222	13823461	Gmdrm	hypo	CG	-0.1645
Gm06	13825736	13825956	Gmdrm	hypo	CG	-0.1006
Gm06	13826064	13826168	Gmdrm	hypo	CG	-0.6087
Gm06	13826295	13826388	Gmdrm	hypo	CG	-0.7634
Gm06	13834330	13834497	Gmdrm	hypo	CG	-0.0656
Gm06	13839982	13840052	Gmdrm	hypo	CG	-0.0688
Gm06	13850160	13850322	Gmdrm	hypo	CG	-0.7328
Gm06	13853826	13854287	Gmdrm	hypo	CG	-0.3972
Gm06	13879322	13879462	Gmdrm	hypo	CG	-0.0449
Gm06	13923275	13923465	Gmdrm	hypo	CG	-0.09
Gm06	13924050	13924169	Gmdrm	hypo	CG	-0.379
Gm06	13927895	13928075	Gmdrm	hypo	CG	-0.5938
Gm06	13951547	13951745	Gmdrm	hypo	CG	-0.877
Gm06	13974499	13974619	Gmdrm	hypo	CG	-0.3833
Gm06	13975893	13976052	Gmdrm	hypo	CG	-0.0367
Gm06	14013724	14013933	Gmdrm	hypo	CG	-0.1214
Gm06	14014054	14014091	Gmdrm	hypo	CG	-0.1512
Gm06	14014399	14014684	Gmdrm	hypo	CG	-0.4386
Gm06	14052176	14052617	Gmdrm	hypo	CG	-0.38
Gm06	14095063	14095195	Gmdrm	hypo	CG	-0.572
Gm06	14166266	14166310	Gmdrm	hypo	CG	-0.945
Gm06	14170712	14170808	Gmdrm	hypo	CG	-0.7684
Gm06	14171382	14171536	Gmdrm	hypo	CG	-0.971
Gm06	14172522	14172621	Gmdrm	hypo	CG	-0.936
Gm06	14179878	14179901	Gmdrm	hypo	CG	-0.0334
Gm06	14207798	14207992	Gmdrm	hypo	CG	-0.0672
Gm06	14222055	14222208	Gmdrm	hypo	CG	-0.6951

Gm06	14230897	14231007	Gmdrm	hypo	CG	-0.1511
Gm06	14238048	14238067	Gmdrm	hypo	CG	-0.735
Gm06	14262686	14262882	Gmdrm	hypo	CG	-0.054
Gm06	14292308	14292390	Gmdrm	hypo	CG	-0.094
Gm06	14294803	14294851	Gmdrm	hypo	CG	-0.9725
Gm06	14307861	14308023	Gmdrm	hypo	CG	-0.776
Gm06	14314401	14314699	Gmdrm	hypo	CG	-0.79
Gm06	14315292	14315638	Gmdrm	hypo	CG	-0.611
Gm06	14316129	14316238	Gmdrm	hypo	CG	-0.7713
Gm06	14319526	14319636	Gmdrm	hypo	CG	-0.205
Gm06	14339210	14339330	Gmdrm	hypo	CG	-0.4483
Gm06	14343321	14343525	Gmdrm	hypo	CG	-0.8783
Gm06	14344294	14344447	Gmdrm	hypo	CG	-0.1466
Gm06	14344552	14344605	Gmdrm	hypo	CG	-0.33
Gm06	14344720	14344850	Gmdrm	hypo	CG	-0.6725
Gm06	14351122	14351146	Gmdrm	hypo	CG	-0.8475
Gm06	14351395	14351559	Gmdrm	hypo	CG	-0.841
Gm06	14352214	14352374	Gmdrm	hypo	CG	-0.6186
Gm06	14372029	14372235	Gmdrm	hypo	CG	-0.3167
Gm06	14372441	14372502	Gmdrm	hypo	CG	-0.13
Gm06	14372700	14373137	Gmdrm	hypo	CG	-0.2938
Gm06	14382185	14382406	Gmdrm	hypo	CG	-0.7038
Gm06	14399402	14399832	Gmdrm	hypo	CG	-0.3511
Gm06	14400948	14401223	Gmdrm	hypo	CG	-0.5209
Gm06	14419430	14419480	Gmdrm	hypo	CG	-0.965
Gm06	14431037	14431219	Gmdrm	hypo	CG	-0.2456
Gm06	14476492	14476698	Gmdrm	hypo	CG	-0.8022
Gm06	14476814	14476877	Gmdrm	hypo	CG	-0.6767
Gm06	14490134	14490468	Gmdrm	hypo	CG	-0.2633
Gm06	14490602	14490689	Gmdrm	hypo	CG	-0.918
Gm06	14534838	14534939	Gmdrm	hypo	CG	-0.1917
Gm06	14536872	14536965	Gmdrm	hypo	CG	-0.9567
Gm06	14553346	14554006	Gmdrm	hypo	CG	-0.0284
Gm06	14604084	14604277	Gmdrm	hypo	CG	-0.1707
Gm06	14613642	14613727	Gmdrm	hypo	CG	-0.1633
Gm06	14614211	14614439	Gmdrm	hypo	CG	-0.1371
Gm06	14621575	14622156	Gmdrm	hypo	CG	-0.7158
Gm06	14640882	14641011	Gmdrm	hypo	CG	-0.391
Gm06	14642898	14643022	Gmdrm	hypo	CG	-0.1117
Gm06	14659034	14659138	Gmdrm	hypo	CG	-0.9038
Gm06	14659541	14659689	Gmdrm	hypo	CG	-0.6303
Gm06	14686767	14686823	Gmdrm	hypo	CG	-0.2833
Gm06	14692126	14692521	Gmdrm	hypo	CG	-0.825
Gm06	14695339	14695547	Gmdrm	hypo	CG	-0.1669
Gm06	14698995	14699217	Gmdrm	hypo	CG	-0.23
Gm06	14705646	14705731	Gmdrm	hypo	CG	-0.52

Gm06	14705853	14705950	Gmdrm	hypo	CG	-0.5625
Gm06	14706070	14706102	Gmdrm	hypo	CG	-0.5275
Gm06	14706213	14706337	Gmdrm	hypo	CG	-0.422
Gm06	14707816	14708063	Gmdrm	hypo	CG	-0.0385
Gm06	14735178	14735324	Gmdrm	hypo	CG	-0.4662
Gm06	14735466	14735729	Gmdrm	hypo	CG	-0.7783
Gm06	14753492	14753596	Gmdrm	hypo	CG	-0.647
Gm06	14760917	14761130	Gmdrm	hypo	CG	-0.8241
Gm06	14768763	14768813	Gmdrm	hypo	CG	-0.275
Gm06	14776352	14776462	Gmdrm	hypo	CG	-0.9495
Gm06	14780996	14781289	Gmdrm	hypo	CG	-0.5541
Gm06	14782029	14782219	Gmdrm	hypo	CG	-0.97
Gm06	14788980	14789113	Gmdrm	hypo	CG	-0.085
Gm06	14789291	14789424	Gmdrm	hypo	CG	-0.893
Gm06	14791023	14791111	Gmdrm	hypo	CG	-0.615
Gm06	14822572	14822657	Gmdrm	hypo	CG	-0.8767
Gm06	14829404	14829514	Gmdrm	hypo	CG	-0.0589
Gm06	14831623	14831772	Gmdrm	hypo	CG	-0.2317
Gm06	14896171	14896292	Gmdrm	hypo	CG	-0.705
Gm06	14896490	14896669	Gmdrm	hypo	CG	-0.8825
Gm06	14898053	14898101	Gmdrm	hypo	CG	-0.165
Gm06	14901807	14901951	Gmdrm	hypo	CG	-0.364
Gm06	14908441	14908591	Gmdrm	hypo	CG	-0.0743
Gm06	14959616	14959794	Gmdrm	hypo	CG	-0.5642
Gm06	14974951	14975157	Gmdrm	hypo	CG	-0.579
Gm06	14981131	14981255	Gmdrm	hypo	CG	-0.45
Gm06	15008498	15008704	Gmdrm	hypo	CG	-0.76
Gm06	15009229	15009493	Gmdrm	hypo	CG	-0.0656
Gm06	15009611	15009654	Gmdrm	hypo	CG	-0.3575
Gm06	15018712	15018794	Gmdrm	hypo	CG	-0.0429
Gm06	15044382	15044463	Gmdrm	hypo	CG	-0.466
Gm06	15045892	15045899	Gmdrm	hypo	CG	-0.95
Gm06	15056009	15056152	Gmdrm	hypo	CG	-0.2743
Gm06	15066753	15066895	Gmdrm	hypo	CG	-0.0417
Gm06	15096906	15097010	Gmdrm	hypo	CG	-0.8866
Gm06	15107893	15107958	Gmdrm	hypo	CG	-0.0667
Gm06	15145783	15145947	Gmdrm	hypo	CG	-0.39
Gm06	15146687	15146829	Gmdrm	hypo	CG	-0.044
Gm06	15181315	15181378	Gmdrm	hypo	CG	-0.7116
Gm06	15181629	15181780	Gmdrm	hypo	CG	-0.655
Gm06	15183687	15184101	Gmdrm	hypo	CG	-0.3835
Gm06	15215803	15216025	Gmdrm	hypo	CG	-0.05
Gm06	15222694	15223023	Gmdrm	hypo	CG	-0.516
Gm06	15229928	15229966	Gmdrm	hypo	CG	-0.4637
Gm06	15230660	15230741	Gmdrm	hypo	CG	-0.648
Gm06	15231017	15231485	Gmdrm	hypo	CG	-0.1816

Gm06	15231991	15232034	Gmdrm	hypo	CG	-0.4933
Gm06	15232809	15232881	Gmdrm	hypo	CG	-0.853
Gm06	15250336	15250451	Gmdrm	hypo	CG	-0.9286
Gm06	15268355	15268537	Gmdrm	hypo	CG	-0.9259
Gm06	15270320	15270611	Gmdrm	hypo	CG	-0.837
Gm06	15270754	15270938	Gmdrm	hypo	CG	-0.775
Gm06	15277713	15277777	Gmdrm	hypo	CG	-0.06
Gm06	15281634	15282219	Gmdrm	hypo	CG	-0.2065
Gm06	15394767	15395071	Gmdrm	hypo	CG	-0.0308
Gm06	15414193	15414398	Gmdrm	hypo	CG	-0.055
Gm06	15430162	15430303	Gmdrm	hypo	CG	-0.04
Gm06	15446843	15447039	Gmdrm	hypo	CG	-0.084
Gm06	15456588	15456905	Gmdrm	hypo	CG	-0.558
Gm06	15463596	15463650	Gmdrm	hypo	CG	-0.86
Gm06	15487376	15487573	Gmdrm	hypo	CG	-0.78
Gm06	15497994	15498208	Gmdrm	hypo	CG	-0.7586
Gm06	15510294	15510312	Gmdrm	hypo	CG	-0.9233
Gm06	15510454	15510675	Gmdrm	hypo	CG	-0.7821
Gm06	15511297	15511467	Gmdrm	hypo	CG	-0.8842
Gm06	15514272	15514409	Gmdrm	hypo	CG	-0.402
Gm06	15530353	15531015	Gmdrm	hypo	CG	-0.7186
Gm06	15531250	15531479	Gmdrm	hypo	CG	-0.822
Gm06	15561104	15561240	Gmdrm	hypo	CG	-0.8169
Gm06	15566154	15566432	Gmdrm	hypo	CG	-0.6905
Gm06	15569978	15570078	Gmdrm	hypo	CG	-0.4937
Gm06	15584638	15584715	Gmdrm	hypo	CG	-0.9
Gm06	15589099	15589266	Gmdrm	hypo	CG	-0.74
Gm06	15591017	15591254	Gmdrm	hypo	CG	-0.4992
Gm06	15591357	15591501	Gmdrm	hypo	CG	-0.879
Gm06	15592023	15592155	Gmdrm	hypo	CG	-0.86
Gm06	15596286	15596581	Gmdrm	hypo	CG	-0.1055
Gm06	15596744	15596834	Gmdrm	hypo	CG	-0.2233
Gm06	15596939	15597222	Gmdrm	hypo	CG	-0.26
Gm06	15611284	15611404	Gmdrm	hypo	CG	-0.8484
Gm06	15613670	15614020	Gmdrm	hypo	CG	-0.0409
Gm06	15629938	15630012	Gmdrm	hypo	CG	-0.586
Gm06	15637146	15637243	Gmdrm	hypo	CG	-0.4817
Gm06	15637679	15637961	Gmdrm	hypo	CG	-0.1943
Gm06	15644100	15644196	Gmdrm	hypo	CG	-0.5817
Gm06	15661330	15661559	Gmdrm	hypo	CG	-0.127
Gm06	15661805	15661914	Gmdrm	hypo	CG	-0.44
Gm06	15664454	15664498	Gmdrm	hypo	CG	-0.855
Gm06	15665004	15665211	Gmdrm	hypo	CG	-0.5615
Gm06	15670992	15671169	Gmdrm	hypo	CG	-0.6457
Gm06	15685755	15685846	Gmdrm	hypo	CG	-0.397
Gm06	15705564	15705965	Gmdrm	hypo	CG	-0.4429

Gm06	15720035	15720221	Gmdrm	hypo	CG	-0.4319
Gm06	15722453	15722500	Gmdrm	hypo	CG	-0.1934
Gm06	15736001	15736094	Gmdrm	hypo	CG	-0.9733
Gm06	15773914	15774040	Gmdrm	hypo	CG	-0.8567
Gm06	15775535	15775822	Gmdrm	hypo	CG	-0.8744
Gm06	15779514	15779600	Gmdrm	hypo	CG	-0.5375
Gm06	15779830	15780078	Gmdrm	hypo	CG	-0.85
Gm06	15804987	15805434	Gmdrm	hypo	CG	-0.3511
Gm06	15815640	15815785	Gmdrm	hypo	CG	-0.0383
Gm06	15833272	15833301	Gmdrm	hypo	CG	-0.2633
Gm06	15833553	15833753	Gmdrm	hypo	CG	-0.4214
Gm06	15833941	15834329	Gmdrm	hypo	CG	-0.1996
Gm06	15839626	15839841	Gmdrm	hypo	CG	-0.612
Gm06	15840915	15841201	Gmdrm	hypo	CG	-0.1732
Gm06	15842931	15842984	Gmdrm	hypo	CG	-0.4983
Gm06	15846835	15846984	Gmdrm	hypo	CG	-0.1812
Gm06	15859728	15859911	Gmdrm	hypo	CG	-0.5176
Gm06	15882301	15882389	Gmdrm	hypo	CG	-0.705
Gm06	15899940	15900069	Gmdrm	hypo	CG	-0.29
Gm06	15900175	15900426	Gmdrm	hypo	CG	-0.0772
Gm06	15900549	15900757	Gmdrm	hypo	CG	-0.0461
Gm06	15905982	15906126	Gmdrm	hypo	CG	-0.5
Gm06	15906253	15906366	Gmdrm	hypo	CG	-0.43
Gm06	15911803	15912155	Gmdrm	hypo	CG	-0.2713
Gm06	15921835	15921845	Gmdrm	hypo	CG	-0.59
Gm06	15926748	15926828	Gmdrm	hypo	CG	-0.4483
Gm06	15945403	15945568	Gmdrm	hypo	CG	-0.574
Gm06	15952790	15953055	Gmdrm	hypo	CG	-0.5747
Gm06	15954263	15954356	Gmdrm	hypo	CG	-0.2349
Gm06	15967151	15967213	Gmdrm	hypo	CG	-0.6475
Gm06	15969235	15969380	Gmdrm	hypo	CG	-0.2062
Gm06	15988304	15988522	Gmdrm	hypo	CG	-0.0527
Gm06	16058547	16058652	Gmdrm	hypo	CG	-0.2137
Gm06	16058758	16059026	Gmdrm	hypo	CG	-0.21
Gm06	16080014	16080221	Gmdrm	hypo	CG	-0.3578
Gm06	16082593	16082695	Gmdrm	hypo	CG	-0.0514
Gm06	16093525	16093824	Gmdrm	hypo	CG	-0.3533
Gm06	16096513	16096606	Gmdrm	hypo	CG	-0.745
Gm06	16109858	16110070	Gmdrm	hypo	CG	-0.665
Gm06	16125011	16125511	Gmdrm	hypo	CG	-0.2792
Gm06	16128642	16128957	Gmdrm	hypo	CG	-0.3038
Gm06	16130950	16131056	Gmdrm	hypo	CG	-0.715
Gm06	16161248	16161605	Gmdrm	hypo	CG	-0.4807
Gm06	16173103	16173185	Gmdrm	hypo	CG	-0.6012
Gm06	16212496	16212532	Gmdrm	hypo	CG	-0.06
Gm06	16212790	16212942	Gmdrm	hypo	CG	-0.845

Gm06	16213056	16213243	Gmdrm	hypo	CG	-0.655
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Gm06	16236765	16237156	Gmdrm	hypo	CG	-0.4948
Gm06	16248010	16248188	Gmdrm	hypo	CG	-0.0366
Gm06	16260603	16260794	Gmdrm	hypo	CG	-0.3378
Gm06	16295822	16296490	Gmdrm	hypo	CG	-0.1812
Gm06	16318080	16318255	Gmdrm	hypo	CG	-0.482
Gm06	16321037	16321164	Gmdrm	hypo	CG	-0.1517
Gm06	16322229	16322352	Gmdrm	hypo	CG	-0.3467
Gm06	16328129	16328384	Gmdrm	hypo	CG	-0.9571
Gm06	16330225	16330450	Gmdrm	hypo	CG	-0.6956
Gm06	16372074	16372132	Gmdrm	hypo	CG	-0.4584
Gm06	16430906	16430984	Gmdrm	hypo	CG	-0.7333
Gm06	16432566	16432594	Gmdrm	hypo	CG	-0.4213
Gm06	16446744	16446884	Gmdrm	hypo	CG	-0.0355
Gm06	16475946	16475960	Gmdrm	hypo	CG	-0.6983
Gm06	16490285	16490342	Gmdrm	hypo	CG	-0.75
Gm06	16520852	16520961	Gmdrm	hypo	CG	-0.2837
Gm06	16522358	16523034	Gmdrm	hypo	CG	-0.1632
Gm06	16545303	16545411	Gmdrm	hypo	CG	-0.417
Gm06	16555919	16556240	Gmdrm	hypo	CG	-0.1628
Gm06	16577181	16577326	Gmdrm	hypo	CG	-0.9034
Gm06	16578070	16578262	Gmdrm	hypo	CG	-0.67
Gm06	16580290	16580502	Gmdrm	hypo	CG	-0.5287
Gm06	16581092	16581668	Gmdrm	hypo	CG	-0.314
Gm06	16582408	16582576	Gmdrm	hypo	CG	-0.6437
Gm06	16585488	16586112	Gmdrm	hypo	CG	-0.2481
Gm06	16586232	16586469	Gmdrm	hypo	CG	-0.5829
Gm06	16590804	16590854	Gmdrm	hypo	CG	-0.715
Gm06	16601639	16601751	Gmdrm	hypo	CG	-0.33
Gm06	16602007	16602171	Gmdrm	hypo	CG	-0.5051
Gm06	16607917	16607943	Gmdrm	hypo	CG	-0.805
Gm06	16611922	16612139	Gmdrm	hypo	CG	-0.6833
Gm06	16612288	16612381	Gmdrm	hypo	CG	-0.6634
Gm06	16620595	16620682	Gmdrm	hypo	CG	-0.675
Gm06	16633025	16633335	Gmdrm	hypo	CG	-0.8563
Gm06	16635121	16635436	Gmdrm	hypo	CG	-0.7642
Gm06	16652045	16652279	Gmdrm	hypo	CG	-0.3139
Gm06	16653588	16653680	Gmdrm	hypo	CG	-0.6983
Gm06	16659344	16659389	Gmdrm	hypo	CG	-0.66
Gm06	16686809	16686973	Gmdrm	hypo	CG	-0.085
Gm06	16697581	16697684	Gmdrm	hypo	CG	-0.9287
Gm06	16698216	16698383	Gmdrm	hypo	CG	-0.452
Gm06	16701758	16701886	Gmdrm	hypo	CG	-0.8334
Gm06	16706294	16706408	Gmdrm	hypo	CG	-0.609

Gm06	16710946	16711155	Gmdrm	hypo	CG	-0.2392
Gm06	16773507	16773642	Gmdrm	hypo	CG	-0.8628
Gm06	16785300	16785409	Gmdrm	hypo	CG	-0.9379
Gm06	16813426	16813435	Gmdrm	hypo	CG	-0.9
Gm06	16854078	16854196	Gmdrm	hypo	CG	-0.585
Gm06	16854773	16854870	Gmdrm	hypo	CG	-0.6167
Gm06	16862679	16862823	Gmdrm	hypo	CG	-0.0822
Gm06	16889215	16889287	Gmdrm	hypo	CG	-0.625
Gm06	16896984	16897321	Gmdrm	hypo	CG	-0.1753
Gm06	16899933	16900001	Gmdrm	hypo	CG	-0.064
Gm06	16920196	16920253	Gmdrm	hypo	CG	-0.4284
Gm06	16920354	16920921	Gmdrm	hypo	CG	-0.3048
Gm06	16936270	16936543	Gmdrm	hypo	CG	-0.6612
Gm06	16950127	16950187	Gmdrm	hypo	CG	-0.115
Gm06	16958956	16959057	Gmdrm	hypo	CG	-0.0643
Gm06	16981074	16981128	Gmdrm	hypo	CG	-0.9575
Gm06	16985032	16985095	Gmdrm	hypo	CG	-0.0701
Gm06	17001081	17001170	Gmdrm	hypo	CG	-0.446
Gm06	17016266	17016280	Gmdrm	hypo	CG	-0.878
Gm06	17016972	17017108	Gmdrm	hypo	CG	-0.2037
Gm06	17017242	17017263	Gmdrm	hypo	CG	-0.2616
Gm06	17017364	17017517	Gmdrm	hypo	CG	-0.1325
Gm06	17018814	17019113	Gmdrm	hypo	CG	-0.0543
Gm06	17034910	17035014	Gmdrm	hypo	CG	-0.556
Gm06	17078802	17079011	Gmdrm	hypo	CG	-0.9376
Gm06	17096311	17096524	Gmdrm	hypo	CG	-0.4167
Gm06	17114468	17114623	Gmdrm	hypo	CG	-0.1463
Gm06	17139892	17140089	Gmdrm	hypo	CG	-0.0408
Gm06	17150736	17151362	Gmdrm	hypo	CG	-0.4662
Gm06	17160137	17160281	Gmdrm	hypo	CG	-0.1773
Gm06	17165138	17165286	Gmdrm	hypo	CG	-0.1767
Gm06	17185105	17185153	Gmdrm	hypo	CG	-0.9766
Gm06	17209793	17209946	Gmdrm	hypo	CG	-0.966
Gm06	17217117	17217273	Gmdrm	hypo	CG	-0.9712
Gm06	17222832	17223022	Gmdrm	hypo	CG	-0.3445
Gm06	17235769	17236020	Gmdrm	hypo	CG	-0.2975
Gm06	17252992	17253121	Gmdrm	hypo	CG	-0.9521
Gm06	17253508	17253592	Gmdrm	hypo	CG	-0.935
Gm06	17254798	17254929	Gmdrm	hypo	CG	-0.5434
Gm06	17260934	17260940	Gmdrm	hypo	CG	-0.668
Gm06	17290571	17290718	Gmdrm	hypo	CG	-0.0421
Gm06	17291654	17291747	Gmdrm	hypo	CG	-0.09
Gm06	17293798	17294020	Gmdrm	hypo	CG	-0.12
Gm06	17326259	17326448	Gmdrm	hypo	CG	-0.497
Gm06	17333356	17333558	Gmdrm	hypo	CG	-0.8509
Gm06	17334781	17334849	Gmdrm	hypo	CG	-0.935

Gm06	17347405	17347639	Gmdrm	hypo	CG	-0.955
Gm06	17350945	17351035	Gmdrm	hypo	CG	-0.9217
Gm06	17370525	17370902	Gmdrm	hypo	CG	-0.0309
Gm06	17374183	17374395	Gmdrm	hypo	CG	-0.1573
Gm06	17389502	17389621	Gmdrm	hypo	CG	-0.5225
Gm06	17390008	17390497	Gmdrm	hypo	CG	-0.1344
Gm06	17403276	17403352	Gmdrm	hypo	CG	-0.94
Gm06	17424191	17424286	Gmdrm	hypo	CG	-0.372
Gm06	17425005	17425218	Gmdrm	hypo	CG	-0.22
Gm06	17448420	17448574	Gmdrm	hypo	CG	-0.537
Gm06	17449732	17449913	Gmdrm	hypo	CG	-0.9316
Gm06	17450037	17450178	Gmdrm	hypo	CG	-0.55
Gm06	17461844	17461981	Gmdrm	hypo	CG	-0.7666
Gm06	17465643	17465793	Gmdrm	hypo	CG	-0.5921
Gm06	17465999	17466108	Gmdrm	hypo	CG	-0.225
Gm06	17474482	17474642	Gmdrm	hypo	CG	-0.9543
Gm06	17474809	17474990	Gmdrm	hypo	CG	-0.9062
Gm06	17477893	17478146	Gmdrm	hypo	CG	-0.221
Gm06	17478640	17478715	Gmdrm	hypo	CG	-0.6312
Gm06	17490852	17491023	Gmdrm	hypo	CG	-0.625
Gm06	17512386	17512538	Gmdrm	hypo	CG	-0.0414
Gm06	17539741	17539843	Gmdrm	hypo	CG	-0.7243
Gm06	17540038	17540134	Gmdrm	hypo	CG	-0.5466
Gm06	17543641	17543751	Gmdrm	hypo	CG	-0.5125
Gm06	17548967	17549261	Gmdrm	hypo	CG	-0.5595
Gm06	17559076	17559150	Gmdrm	hypo	CG	-0.4834
Gm06	17559660	17559742	Gmdrm	hypo	CG	-0.29
Gm06	17585928	17585975	Gmdrm	hypo	CG	-0.2267
Gm06	17598810	17599184	Gmdrm	hypo	CG	-0.0633
Gm06	17613299	17613553	Gmdrm	hypo	CG	-0.06
Gm06	17613726	17613844	Gmdrm	hypo	CG	-0.344
Gm06	17614611	17614858	Gmdrm	hypo	CG	-0.0986
Gm06	17615562	17616300	Gmdrm	hypo	CG	-0.4945
Gm06	17620896	17621041	Gmdrm	hypo	CG	-0.06
Gm06	17624966	17625063	Gmdrm	hypo	CG	-0.957
Gm06	17655260	17656082	Gmdrm	hypo	CG	-0.2172
Gm06	17657214	17657360	Gmdrm	hypo	CG	-0.612
Gm06	17659021	17659640	Gmdrm	hypo	CG	-0.0266
Gm06	17671119	17671189	Gmdrm	hypo	CG	-0.0924
Gm06	17730478	17730962	Gmdrm	hypo	CG	-0.5908
Gm06	17731322	17731379	Gmdrm	hypo	CG	-0.9338
Gm06	17738101	17738109	Gmdrm	hypo	CG	-0.7984
Gm06	17754070	17754158	Gmdrm	hypo	CG	-0.7274
Gm06	17754438	17754471	Gmdrm	hypo	CG	-0.795
Gm06	17754586	17754757	Gmdrm	hypo	CG	-0.8962
Gm06	17797891	17797997	Gmdrm	hypo	CG	-0.0608

Gm06	17807885	17808043	Gmdrm	hypo	CG	-0.1583
Gm06	17817432	17817642	Gmdrm	hypo	CG	-0.203
Gm06	17857245	17857453	Gmdrm	hypo	CG	-0.5292
Gm06	17895647	17896159	Gmdrm	hypo	CG	-0.136
Gm06	17905801	17906305	Gmdrm	hypo	CG	-0.1129
Gm06	17932114	17932370	Gmdrm	hypo	CG	-0.29
Gm06	17945886	17945994	Gmdrm	hypo	CG	-0.4299
Gm06	17946141	17946252	Gmdrm	hypo	CG	-0.6483
Gm06	17949316	17949555	Gmdrm	hypo	CG	-0.6589
Gm06	17955434	17955630	Gmdrm	hypo	CG	-0.5005
Gm06	17956539	17956686	Gmdrm	hypo	CG	-0.5607
Gm06	17975486	17976283	Gmdrm	hypo	CG	-0.0543
Gm06	17991347	17991384	Gmdrm	hypo	CG	-0.076
Gm06	17994171	17994559	Gmdrm	hypo	CG	-0.0342
Gm06	18010151	18010345	Gmdrm	hypo	CG	-0.796
Gm06	18011631	18011778	Gmdrm	hypo	CG	-0.29
Gm06	18014724	18014880	Gmdrm	hypo	CG	-0.4909
Gm06	18030181	18030282	Gmdrm	hypo	CG	-0.0343
Gm06	18031221	18031238	Gmdrm	hypo	CG	-0.5138
Gm06	18085040	18085140	Gmdrm	hypo	CG	-0.9062
Gm06	18131088	18131324	Gmdrm	hypo	CG	-0.413
Gm06	18132045	18132443	Gmdrm	hypo	CG	-0.2963
Gm06	18143443	18143674	Gmdrm	hypo	CG	-0.6882
Gm06	18145321	18145552	Gmdrm	hypo	CG	-0.61
Gm06	18151746	18152327	Gmdrm	hypo	CG	-0.6398
Gm06	18157882	18158247	Gmdrm	hypo	CG	-0.309
Gm06	18174014	18174291	Gmdrm	hypo	CG	-0.04
Gm06	18283368	18283698	Gmdrm	hypo	CG	-0.2481
Gm06	18284064	18284118	Gmdrm	hypo	CG	-0.795
Gm06	18313458	18313483	Gmdrm	hypo	CG	-0.5217
Gm06	18325727	18325829	Gmdrm	hypo	CG	-0.1333
Gm06	18327365	18327523	Gmdrm	hypo	CG	-0.5992
Gm06	18358547	18358789	Gmdrm	hypo	CG	-0.083
Gm06	18377267	18377381	Gmdrm	hypo	CG	-0.605
Gm06	18391812	18391896	Gmdrm	hypo	CG	-0.0417
Gm06	18451514	18451869	Gmdrm	hypo	CG	-0.6259
Gm06	18452501	18452606	Gmdrm	hypo	CG	-0.9692
Gm06	18458093	18458169	Gmdrm	hypo	CG	-0.375
Gm06	18484333	18484461	Gmdrm	hypo	CG	-0.062
Gm06	18484770	18485005	Gmdrm	hypo	CG	-0.2067
Gm06	18516414	18516666	Gmdrm	hypo	CG	-0.6449
Gm06	18527070	18527109	Gmdrm	hypo	CG	-0.815
Gm06	18539039	18539271	Gmdrm	hypo	CG	-0.8237
Gm06	18539510	18539656	Gmdrm	hypo	CG	-0.3514
Gm06	18543164	18543273	Gmdrm	hypo	CG	-0.364
Gm06	18543383	18543433	Gmdrm	hypo	CG	-0.1633

Gm06	18574509	18574565	Gmdrm	hypo	CG	-0.3025
Gm06	18575770	18575806	Gmdrm	hypo	CG	-0.958
Gm06	18612738	18612952	Gmdrm	hypo	CG	-0.4762
Gm06	18682462	18682626	Gmdrm	hypo	CG	-0.1044
Gm06	18698089	18698289	Gmdrm	hypo	CG	-0.0445
Gm06	18706848	18706981	Gmdrm	hypo	CG	-0.0275
Gm06	18733672	18733774	Gmdrm	hypo	CG	-0.825
Gm06	18808568	18808893	Gmdrm	hypo	CG	-0.4309
Gm06	18821956	18822112	Gmdrm	hypo	CG	-0.8844
Gm06	18822748	18822822	Gmdrm	hypo	CG	-0.6133
Gm06	18887641	18888539	Gmdrm	hypo	CG	-0.2448
Gm06	18889398	18889621	Gmdrm	hypo	CG	-0.514
Gm06	18891931	18891989	Gmdrm	hypo	CG	-0.3063
Gm06	18892524	18892556	Gmdrm	hypo	CG	-0.42
Gm06	18893830	18893870	Gmdrm	hypo	CG	-0.9375
Gm06	18918087	18918336	Gmdrm	hypo	CG	-0.5638
Gm06	18919423	18919504	Gmdrm	hypo	CG	-0.515
Gm06	18948730	18949238	Gmdrm	hypo	CG	-0.0373
Gm06	18955920	18956136	Gmdrm	hypo	CG	-0.651
Gm06	18957411	18957489	Gmdrm	hypo	CG	-0.067
Gm06	18957713	18957877	Gmdrm	hypo	CG	-0.1351
Gm06	18966425	18966520	Gmdrm	hypo	CG	-0.2986
Gm06	18966621	18966673	Gmdrm	hypo	CG	-0.492
Gm06	18973224	18973288	Gmdrm	hypo	CG	-0.7234
Gm06	18984822	18985301	Gmdrm	hypo	CG	-0.4679
Gm06	19017040	19017193	Gmdrm	hypo	CG	-0.08
Gm06	19050643	19050953	Gmdrm	hypo	CG	-0.2252
Gm06	19066040	19066496	Gmdrm	hypo	CG	-0.1634
Gm06	19086166	19086924	Gmdrm	hypo	CG	-0.1297
Gm06	19091215	19091282	Gmdrm	hypo	CG	-0.8734
Gm06	19141947	19142025	Gmdrm	hypo	CG	-0.788
Gm06	19142207	19142393	Gmdrm	hypo	CG	-0.67
Gm06	19153061	19153342	Gmdrm	hypo	CG	-0.1269
Gm06	19173602	19174037	Gmdrm	hypo	CG	-0.0615
Gm06	19204007	19204307	Gmdrm	hypo	CG	-0.2983
Gm06	19216796	19216911	Gmdrm	hypo	CG	-0.6155
Gm06	19227613	19227913	Gmdrm	hypo	CG	-0.6313
Gm06	19235832	19235913	Gmdrm	hypo	CG	-0.068
Gm06	19264745	19264886	Gmdrm	hypo	CG	-0.0412
Gm06	19279419	19279545	Gmdrm	hypo	CG	-0.5522
Gm06	19279999	19280067	Gmdrm	hypo	CG	-0.7933
Gm06	19298825	19298926	Gmdrm	hypo	CG	-0.1662
Gm06	19347297	19347517	Gmdrm	hypo	CG	-0.0957
Gm06	19347899	19348096	Gmdrm	hypo	CG	-0.7558
Gm06	19348274	19348370	Gmdrm	hypo	CG	-0.725
Gm06	19356557	19356593	Gmdrm	hypo	CG	-0.8933

Gm06	19356906	19357010	Gmdrm	hypo	CG	-0.9167
Gm06	19357228	19357297	Gmdrm	hypo	CG	-0.9712
Gm06	19357473	19357508	Gmdrm	hypo	CG	-0.2317
Gm06	19398889	19398967	Gmdrm	hypo	CG	-0.54
Gm06	19408411	19408933	Gmdrm	hypo	CG	-0.0282
Gm06	19497559	19497648	Gmdrm	hypo	CG	-0.7634
Gm06	19502187	19502299	Gmdrm	hypo	CG	-0.086
Gm06	19511112	19511298	Gmdrm	hypo	CG	-0.3831
Gm06	19527844	19527916	Gmdrm	hypo	CG	-0.895
Gm06	19534518	19534759	Gmdrm	hypo	CG	-0.867
Gm06	19579948	19580118	Gmdrm	hypo	CG	-0.655
Gm06	19596522	19596614	Gmdrm	hypo	CG	-0.64
Gm06	19597201	19597403	Gmdrm	hypo	CG	-0.6537
Gm06	19602164	19602219	Gmdrm	hypo	CG	-0.686
Gm06	19612130	19612352	Gmdrm	hypo	CG	-0.2238
Gm06	19613593	19613655	Gmdrm	hypo	CG	-0.9
Gm06	19616885	19616938	Gmdrm	hypo	CG	-0.38
Gm06	19638153	19638457	Gmdrm	hypo	CG	-0.0493
Gm06	19644069	19644214	Gmdrm	hypo	CG	-0.5018
Gm06	19646103	19646383	Gmdrm	hypo	CG	-0.493
Gm06	19652074	19652235	Gmdrm	hypo	CG	-0.8428
Gm06	19712689	19712856	Gmdrm	hypo	CG	-0.115
Gm06	19721399	19721442	Gmdrm	hypo	CG	-0.0867
Gm06	19728867	19729126	Gmdrm	hypo	CG	-0.1292
Gm06	19757456	19757636	Gmdrm	hypo	CG	-0.8078
Gm06	19785203	19785355	Gmdrm	hypo	CG	-0.6024
Gm06	19838724	19838847	Gmdrm	hypo	CG	-0.165
Gm06	19857126	19857651	Gmdrm	hypo	CG	-0.0453
Gm06	19897551	19897654	Gmdrm	hypo	CG	-0.3688
Gm06	19911128	19911196	Gmdrm	hypo	CG	-0.1315
Gm06	20005116	20005194	Gmdrm	hypo	CG	-0.073
Gm06	20021323	20021811	Gmdrm	hypo	CG	-0.0681
Gm06	20038627	20038886	Gmdrm	hypo	CG	-0.0594
Gm06	20055236	20055456	Gmdrm	hypo	CG	-0.065
Gm06	20084871	20085358	Gmdrm	hypo	CG	-0.0585
Gm06	20110217	20110520	Gmdrm	hypo	CG	-0.4942
Gm06	20111562	20111580	Gmdrm	hypo	CG	-0.4167
Gm06	20113727	20113951	Gmdrm	hypo	CG	-0.3765
Gm06	20116454	20116740	Gmdrm	hypo	CG	-0.7365
Gm06	20117794	20118215	Gmdrm	hypo	CG	-0.7696
Gm06	20118359	20118642	Gmdrm	hypo	CG	-0.5654
Gm06	20119480	20119662	Gmdrm	hypo	CG	-0.545
Gm06	20143241	20143534	Gmdrm	hypo	CG	-0.1404
Gm06	20144078	20144228	Gmdrm	hypo	CG	-0.7612
Gm06	20155238	20156200	Gmdrm	hypo	CG	-0.0228
Gm06	20164277	20164439	Gmdrm	hypo	CG	-0.0637

Gm06	20186827	20187046	Gmdrm	hypo	CG	-0.0694
Gm06	20193259	20193497	Gmdrm	hypo	CG	-0.7234
Gm06	20204571	20204809	Gmdrm	hypo	CG	-0.5853
Gm06	20212614	20212671	Gmdrm	hypo	CG	-0.047
Gm06	20272651	20272734	Gmdrm	hypo	CG	-0.638
Gm06	20272916	20273212	Gmdrm	hypo	CG	-0.4819
Gm06	20273723	20273849	Gmdrm	hypo	CG	-0.8083
Gm06	20289966	20290685	Gmdrm	hypo	CG	-0.0516
Gm06	20337228	20337417	Gmdrm	hypo	CG	-0.7387
Gm06	20364228	20364644	Gmdrm	hypo	CG	-0.1563
Gm06	20370079	20370102	Gmdrm	hypo	CG	-0.1017
Gm06	20424274	20424492	Gmdrm	hypo	CG	-0.0654
Gm06	20442597	20442897	Gmdrm	hypo	CG	-0.027
Gm06	20476176	20476291	Gmdrm	hypo	CG	-0.16
Gm06	20501994	20502139	Gmdrm	hypo	CG	-0.37
Gm06	20505530	20505646	Gmdrm	hypo	CG	-0.4712
Gm06	20520741	20520756	Gmdrm	hypo	CG	-0.6783
Gm06	20549396	20549561	Gmdrm	hypo	CG	-0.7009
Gm06	20550934	20551228	Gmdrm	hypo	CG	-0.0583
Gm06	20557242	20557510	Gmdrm	hypo	CG	-0.0569
Gm06	20574258	20574457	Gmdrm	hypo	CG	-0.705
Gm06	20596202	20596374	Gmdrm	hypo	CG	-0.6283
Gm06	20597278	20597438	Gmdrm	hypo	CG	-0.746
Gm06	20598031	20598325	Gmdrm	hypo	CG	-0.075
Gm06	20674360	20674412	Gmdrm	hypo	CG	-0.595
Gm06	20675149	20675278	Gmdrm	hypo	CG	-0.731
Gm06	20678146	20678255	Gmdrm	hypo	CG	-0.975
Gm06	20678533	20678651	Gmdrm	hypo	CG	-0.8033
Gm06	20688815	20688963	Gmdrm	hypo	CG	-0.299
Gm06	20694608	20694821	Gmdrm	hypo	CG	-0.5931
Gm06	20710231	20710346	Gmdrm	hypo	CG	-0.062
Gm06	20725159	20725257	Gmdrm	hypo	CG	-0.0475
Gm06	20735855	20735989	Gmdrm	hypo	CG	-0.09
Gm06	20747009	20747300	Gmdrm	hypo	CG	-0.042
Gm06	20759233	20759246	Gmdrm	hypo	CG	-0.7516
Gm06	20826986	20827312	Gmdrm	hypo	CG	-0.085
Gm06	20920071	20920186	Gmdrm	hypo	CG	-0.395
Gm06	20920821	20921113	Gmdrm	hypo	CG	-0.0345
Gm06	20941206	20941231	Gmdrm	hypo	CG	-0.68
Gm06	20941432	20941732	Gmdrm	hypo	CG	-0.292
Gm06	20943017	20943334	Gmdrm	hypo	CG	-0.0385
Gm06	21208921	21209510	Gmdrm	hypo	CG	-0.281
Gm06	21214120	21214556	Gmdrm	hypo	CG	-0.68
Gm06	21231127	21231145	Gmdrm	hypo	CG	-0.5266
Gm06	21231987	21232174	Gmdrm	hypo	CG	-0.715
Gm06	21245796	21245875	Gmdrm	hypo	CG	-0.67

Gm06	21280267	21280369	Gmdrm	hypo	CG	-0.0434
Gm06	21328808	21328988	Gmdrm	hypo	CG	-0.049
Gm06	21360611	21361092	Gmdrm	hypo	CG	-0.8733
Gm06	21396786	21397061	Gmdrm	hypo	CG	-0.0471
Gm06	21397210	21397465	Gmdrm	hypo	CG	-0.9025
Gm06	21405244	21405946	Gmdrm	hypo	CG	-0.0425
Gm06	21442361	21442539	Gmdrm	hypo	CG	-0.036
Gm06	21458736	21459079	Gmdrm	hypo	CG	-0.4811
Gm06	21474847	21475256	Gmdrm	hypo	CG	-0.0807
Gm06	21495056	21495273	Gmdrm	hypo	CG	-0.3543
Gm06	21522747	21522870	Gmdrm	hypo	CG	-0.1033
Gm06	21525310	21525452	Gmdrm	hypo	CG	-0.566
Gm06	21525559	21525627	Gmdrm	hypo	CG	-0.67
Gm06	21672459	21672533	Gmdrm	hypo	CG	-0.038
Gm06	21674330	21674490	Gmdrm	hypo	CG	-0.0567
Gm06	21714244	21714430	Gmdrm	hypo	CG	-0.0342
Gm06	21736260	21736343	Gmdrm	hypo	CG	-0.0417
Gm06	21786408	21786593	Gmdrm	hypo	CG	-0.0747
Gm06	21851040	21851172	Gmdrm	hypo	CG	-0.89
Gm06	21853468	21853527	Gmdrm	hypo	CG	-0.0743
Gm06	21859350	21859381	Gmdrm	hypo	CG	-0.295
Gm06	21875356	21875712	Gmdrm	hypo	CG	-0.0683
Gm06	21882384	21882523	Gmdrm	hypo	CG	-0.1007
Gm06	21958409	21958616	Gmdrm	hypo	CG	-0.0694
Gm06	21965877	21966020	Gmdrm	hypo	CG	-0.718
Gm06	21966842	21967224	Gmdrm	hypo	CG	-0.306
Gm06	21994340	21994618	Gmdrm	hypo	CG	-0.3967
Gm06	22021056	22021188	Gmdrm	hypo	CG	-0.12
Gm06	22040599	22040665	Gmdrm	hypo	CG	-0.0909
Gm06	22066504	22066836	Gmdrm	hypo	CG	-0.0515
Gm06	22083440	22083716	Gmdrm	hypo	CG	-0.3045
Gm06	22092754	22092835	Gmdrm	hypo	CG	-0.8867
Gm06	22146458	22147101	Gmdrm	hypo	CG	-0.4197
Gm06	22147220	22147281	Gmdrm	hypo	CG	-0.935
Gm06	22185897	22186331	Gmdrm	hypo	CG	-0.1538
Gm06	22199260	22199401	Gmdrm	hypo	CG	-0.6519
Gm06	22245577	22245941	Gmdrm	hypo	CG	-0.0338
Gm06	22250364	22250453	Gmdrm	hypo	CG	-0.5838
Gm06	22268152	22268546	Gmdrm	hypo	CG	-0.0448
Gm06	22313322	22313545	Gmdrm	hypo	CG	-0.0931
Gm06	22351994	22352033	Gmdrm	hypo	CG	-0.722
Gm06	22404512	22404550	Gmdrm	hypo	CG	-0.0834
Gm06	22416624	22416718	Gmdrm	hypo	CG	-0.04
Gm06	22468339	22468625	Gmdrm	hypo	CG	-0.0542
Gm06	22517762	22518636	Gmdrm	hypo	CG	-0.03
Gm06	22528630	22528682	Gmdrm	hypo	CG	-0.9434

Gm06	22563712	22563810	Gmdrm	hypo	CG	-0.071
Gm06	22605514	22605908	Gmdrm	hypo	CG	-0.0556
Gm06	22640371	22640438	Gmdrm	hypo	CG	-0.0767
Gm06	22649812	22649968	Gmdrm	hypo	CG	-0.3037
Gm06	22650073	22650518	Gmdrm	hypo	CG	-0.1335
Gm06	22662923	22663006	Gmdrm	hypo	CG	-0.6158
Gm06	22671688	22671912	Gmdrm	hypo	CG	-0.0817
Gm06	22687160	22687380	Gmdrm	hypo	CG	-0.03
Gm06	22691873	22691934	Gmdrm	hypo	CG	-0.1225
Gm06	22700879	22700988	Gmdrm	hypo	CG	-0.9167
Gm06	22771371	22771432	Gmdrm	hypo	CG	-0.285
Gm06	22775330	22775532	Gmdrm	hypo	CG	-0.8163
Gm06	22827131	22828045	Gmdrm	hypo	CG	-0.0316
Gm06	22872692	22872933	Gmdrm	hypo	CG	-0.6435
Gm06	22948607	22948841	Gmdrm	hypo	CG	-0.0662
Gm06	23084846	23084935	Gmdrm	hypo	CG	-0.1714
Gm06	23226879	23226980	Gmdrm	hypo	CG	-0.1369
Gm06	23293652	23293758	Gmdrm	hypo	CG	-0.1083
Gm06	23321749	23321872	Gmdrm	hypo	CG	-0.0686
Gm06	23397218	23397315	Gmdrm	hypo	CG	-0.955
Gm06	23444559	23444834	Gmdrm	hypo	CG	-0.0438
Gm06	23466464	23467326	Gmdrm	hypo	CG	-0.0383
Gm06	23581989	23582209	Gmdrm	hypo	CG	-0.0681
Gm06	23693517	23693816	Gmdrm	hypo	CG	-0.0646
Gm06	23702439	23703342	Gmdrm	hypo	CG	-0.0675
Gm06	23718470	23718908	Gmdrm	hypo	CG	-0.0573
Gm06	23768837	23768989	Gmdrm	hypo	CG	-0.06
Gm06	23833372	23833534	Gmdrm	hypo	CG	-0.1437
Gm06	23866223	23866476	Gmdrm	hypo	CG	-0.0406
Gm06	23878566	23878641	Gmdrm	hypo	CG	-0.954
Gm06	23958511	23959010	Gmdrm	hypo	CG	-0.0329
Gm06	23993389	23993621	Gmdrm	hypo	CG	-0.0616
Gm06	23994796	23995717	Gmdrm	hypo	CG	-0.0371
Gm06	24079409	24079422	Gmdrm	hypo	CG	-0.4934
Gm06	24188109	24188224	Gmdrm	hypo	CG	-0.2243
Gm06	24305345	24306341	Gmdrm	hypo	CG	-0.0332
Gm06	24359801	24360333	Gmdrm	hypo	CG	-0.0532
Gm06	24372698	24372836	Gmdrm	hypo	CG	-0.0511
Gm06	24375756	24375847	Gmdrm	hypo	CG	-0.6037
Gm06	24376040	24376271	Gmdrm	hypo	CG	-0.6729
Gm06	24400596	24400690	Gmdrm	hypo	CG	-0.1244
Gm06	24414324	24414388	Gmdrm	hypo	CG	-0.0318
Gm06	24442269	24442435	Gmdrm	hypo	CG	-0.1158
Gm06	24445536	24445865	Gmdrm	hypo	CG	-0.0446
Gm06	24568859	24569848	Gmdrm	hypo	CG	-0.0464
Gm06	24624238	24624301	Gmdrm	hypo	CG	-0.875

Gm06	24629927	24630297	Gmdrm	hypo	CG	-0.336
Gm06	24726866	24727104	Gmdrm	hypo	CG	-0.0544
Gm06	25010758	25010930	Gmdrm	hypo	CG	-0.0535
Gm06	25122371	25122658	Gmdrm	hypo	CG	-0.0544
Gm06	25241153	25241914	Gmdrm	hypo	CG	-0.0223
Gm06	25315329	25315360	Gmdrm	hypo	CG	-0.0913
Gm06	25469461	25470317	Gmdrm	hypo	CG	-0.0542
Gm06	25574150	25574354	Gmdrm	hypo	CG	-0.0237
Gm06	25617242	25618142	Gmdrm	hypo	CG	-0.0437
Gm06	25623079	25623255	Gmdrm	hypo	CG	-0.0325
Gm06	25684719	25684849	Gmdrm	hypo	CG	-0.1063
Gm06	25741376	25742028	Gmdrm	hypo	CG	-0.0573
Gm06	25901284	25901556	Gmdrm	hypo	CG	-0.035
Gm06	25942781	25942930	Gmdrm	hypo	CG	-0.2415
Gm06	26080719	26080920	Gmdrm	hypo	CG	-0.364
Gm06	26087942	26087992	Gmdrm	hypo	CG	-0.0429
Gm06	26148512	26148845	Gmdrm	hypo	CG	-0.05
Gm06	26206991	26207111	Gmdrm	hypo	CG	-0.1029
Gm06	26216630	26217170	Gmdrm	hypo	CG	-0.0398
Gm06	26227216	26227441	Gmdrm	hypo	CG	-0.07
Gm06	26344508	26344562	Gmdrm	hypo	CG	-0.7388
Gm06	26384579	26385100	Gmdrm	hypo	CG	-0.0423
Gm06	26396394	26397024	Gmdrm	hypo	CG	-0.0631
Gm06	26441710	26442479	Gmdrm	hypo	CG	-0.0403
Gm06	26520251	26520533	Gmdrm	hypo	CG	-0.0637
Gm06	27038982	27039301	Gmdrm	hypo	CG	-0.0325
Gm06	27064702	27064898	Gmdrm	hypo	CG	-0.6422
Gm06	27069183	27069254	Gmdrm	hypo	CG	-0.3316
Gm06	27070359	27070602	Gmdrm	hypo	CG	-0.62
Gm06	27071087	27071370	Gmdrm	hypo	CG	-0.8257
Gm06	27089279	27089435	Gmdrm	hypo	CG	-0.1849
Gm06	27217874	27218384	Gmdrm	hypo	CG	-0.0524
Gm06	27306490	27306682	Gmdrm	hypo	CG	-0.0622
Gm06	27417599	27417751	Gmdrm	hypo	CG	-0.089
Gm06	27424597	27424781	Gmdrm	hypo	CG	-0.33
Gm06	27428354	27428377	Gmdrm	hypo	CG	-0.0966
Gm06	27428828	27428886	Gmdrm	hypo	CG	-0.701
Gm06	27437674	27437954	Gmdrm	hypo	CG	-0.0986
Gm06	27514221	27514735	Gmdrm	hypo	CG	-0.0542
Gm06	27544689	27544846	Gmdrm	hypo	CG	-0.1567
Gm06	27553165	27553320	Gmdrm	hypo	CG	-0.042
Gm06	27573360	27573762	Gmdrm	hypo	CG	-0.1033
Gm06	27635422	27635554	Gmdrm	hypo	CG	-0.0537
Gm06	27670612	27671098	Gmdrm	hypo	CG	-0.0357
Gm06	27706161	27706415	Gmdrm	hypo	CG	-0.0609
Gm06	27758543	27758632	Gmdrm	hypo	CG	-0.0837

Gm06	27761690	27762008	Gmdrm	hypo	CG	-0.0461
Gm06	27997193	27998168	Gmdrm	hypo	CG	-0.0281
Gm06	28230837	28230942	Gmdrm	hypo	CG	-0.5567
Gm06	28399072	28399186	Gmdrm	hypo	CG	-0.195
Gm06	28415840	28416057	Gmdrm	hypo	CG	-0.513
Gm06	28416636	28416727	Gmdrm	hypo	CG	-0.034
Gm06	28422176	28422305	Gmdrm	hypo	CG	-0.9317
Gm06	28422608	28422782	Gmdrm	hypo	CG	-0.099
Gm06	28451241	28451434	Gmdrm	hypo	CG	-0.599
Gm06	28461775	28461897	Gmdrm	hypo	CG	-0.48
Gm06	28589451	28589722	Gmdrm	hypo	CG	-0.0542
Gm06	28616761	28616819	Gmdrm	hypo	CG	-0.0737
Gm06	28646607	28646903	Gmdrm	hypo	CG	-0.0453
Gm06	28711823	28711856	Gmdrm	hypo	CG	-0.3883
Gm06	28733624	28733638	Gmdrm	hypo	CG	-0.7116
Gm06	28739025	28739251	Gmdrm	hypo	CG	-0.036
Gm06	28741386	28741515	Gmdrm	hypo	CG	-0.5583
Gm06	28741641	28742036	Gmdrm	hypo	CG	-0.6439
Gm06	28744995	28745220	Gmdrm	hypo	CG	-0.0746
Gm06	28765903	28766012	Gmdrm	hypo	CG	-0.0475
Gm06	28767138	28767250	Gmdrm	hypo	CG	-0.5238
Gm06	28778449	28778510	Gmdrm	hypo	CG	-0.66
Gm06	28804392	28804648	Gmdrm	hypo	CG	-0.0366
Gm06	28810472	28810695	Gmdrm	hypo	CG	-0.1214
Gm06	28812327	28812431	Gmdrm	hypo	CG	-0.1092
Gm06	28874286	28874610	Gmdrm	hypo	CG	-0.0885
Gm06	28894720	28894877	Gmdrm	hypo	CG	-0.0733
Gm06	28895897	28896028	Gmdrm	hypo	CG	-0.0462
Gm06	28958622	28958822	Gmdrm	hypo	CG	-0.3108
Gm06	28985988	28986212	Gmdrm	hypo	CG	-0.0385
Gm06	29042995	29043163	Gmdrm	hypo	CG	-0.0533
Gm06	29085238	29085504	Gmdrm	hypo	CG	-0.3825
Gm06	29108170	29108372	Gmdrm	hypo	CG	-0.0357
Gm06	29115410	29115561	Gmdrm	hypo	CG	-0.036
Gm06	29122318	29122376	Gmdrm	hypo	CG	-0.6687
Gm06	29149080	29149301	Gmdrm	hypo	CG	-0.4666
Gm06	29170275	29170328	Gmdrm	hypo	CG	-0.63
Gm06	29210113	29210170	Gmdrm	hypo	CG	-0.9137
Gm06	29210611	29210823	Gmdrm	hypo	CG	-0.8257
Gm06	29211301	29211432	Gmdrm	hypo	CG	-0.355
Gm06	29211915	29212178	Gmdrm	hypo	CG	-0.8821
Gm06	29241295	29241633	Gmdrm	hypo	CG	-0.1486
Gm06	29259211	29259405	Gmdrm	hypo	CG	-0.6937
Gm06	29319601	29319731	Gmdrm	hypo	CG	-0.1008
Gm06	29320336	29320479	Gmdrm	hypo	CG	-0.0412
Gm06	29351216	29352104	Gmdrm	hypo	CG	-0.035

Gm06	29360789	29360958	Gmdrm	hypo	CG	-0.0746
Gm06	29378118	29378209	Gmdrm	hypo	CG	-0.44
Gm06	29378705	29378807	Gmdrm	hypo	CG	-0.59
Gm06	29380685	29380797	Gmdrm	hypo	CG	-0.7112
Gm06	29437086	29437248	Gmdrm	hypo	CG	-0.5489
Gm06	29561372	29561491	Gmdrm	hypo	CG	-0.082
Gm06	29564889	29565176	Gmdrm	hypo	CG	-0.0665
Gm06	29567871	29568145	Gmdrm	hypo	CG	-0.0718
Gm06	29635967	29636200	Gmdrm	hypo	CG	-0.05
Gm06	29658613	29659236	Gmdrm	hypo	CG	-0.0414
Gm06	29740444	29741134	Gmdrm	hypo	CG	-0.0362
Gm06	29776284	29776404	Gmdrm	hypo	CG	-0.0814
Gm06	29940966	29941103	Gmdrm	hypo	CG	-0.0527
Gm06	29941781	29941931	Gmdrm	hypo	CG	-0.1925
Gm06	30046562	30047546	Gmdrm	hypo	CG	-0.0187
Gm06	30050213	30050429	Gmdrm	hypo	CG	-0.0317
Gm06	30066767	30066911	Gmdrm	hypo	CG	-0.0222
Gm06	30072441	30072931	Gmdrm	hypo	CG	-0.0503
Gm06	30074074	30074185	Gmdrm	hypo	CG	-0.04
Gm06	30165178	30165266	Gmdrm	hypo	CG	-0.049
Gm06	30189857	30190789	Gmdrm	hypo	CG	-0.0322
Gm06	30190871	30191098	Gmdrm	hypo	CG	-0.078
Gm06	30207223	30207423	Gmdrm	hypo	CG	-0.627
Gm06	30255796	30256084	Gmdrm	hypo	CG	-0.087
Gm06	30272325	30272528	Gmdrm	hypo	CG	-0.0426
Gm06	30306173	30306362	Gmdrm	hypo	CG	-0.0816
Gm06	30412290	30412509	Gmdrm	hypo	CG	-0.0617
Gm06	30637384	30637483	Gmdrm	hypo	CG	-0.5388
Gm06	30638890	30639091	Gmdrm	hypo	CG	-0.4219
Gm06	30639209	30639393	Gmdrm	hypo	CG	-0.3808
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Gm06	30658344	30658422	Gmdrm	hypo	CG	-0.1434
Gm06	30810674	30811672	Gmdrm	hypo	CG	-0.0266
Gm06	30849956	30850061	Gmdrm	hypo	CG	-0.0467
Gm06	31039847	31040243	Gmdrm	hypo	CG	-0.0566
Gm06	31168327	31168475	Gmdrm	hypo	CG	-0.6633
Gm06	31188791	31188974	Gmdrm	hypo	CG	-0.1613
Gm06	31268856	31269838	Gmdrm	hypo	CG	-0.0316
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Gm06	31529438	31530434	Gmdrm	hypo	CG	-0.0265
Gm06	31619540	31620227	Gmdrm	hypo	CG	-0.0351
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Gm06	31774728	31774838	Gmdrm	hypo	CG	-0.0962
Gm06	31786314	31786830	Gmdrm	hypo	CG	-0.0356
Gm06	31857839	31858204	Gmdrm	hypo	CG	-0.0824

Gm06	31933046	31934046	Gmdrm	hypo	CG	-0.0419
Gm06	32186748	32186983	Gmdrm	hypo	CG	-0.365
Gm06	32206175	32206267	Gmdrm	hypo	CG	-0.0637
Gm06	32251385	32251415	Gmdrm	hypo	CG	-0.8583
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Gm06	32337818	32337948	Gmdrm	hypo	CG	-0.11
Gm06	32419133	32419225	Gmdrm	hypo	CG	-0.0422
Gm06	32452347	32452909	Gmdrm	hypo	CG	-0.1113
Gm06	32504089	32504285	Gmdrm	hypo	CG	-0.078
Gm06	32624074	32624271	Gmdrm	hypo	CG	-0.0657
Gm06	32647309	32647396	Gmdrm	hypo	CG	-0.6417
Gm06	32716345	32716436	Gmdrm	hypo	CG	-0.1675
Gm06	32735607	32735781	Gmdrm	hypo	CG	-0.0858
Gm06	32741001	32741799	Gmdrm	hypo	CG	-0.0386
Gm06	32781009	32781112	Gmdrm	hypo	CG	-0.0783
Gm06	32808348	32808489	Gmdrm	hypo	CG	-0.087
Gm06	32823523	32824225	Gmdrm	hypo	CG	-0.0402
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Gm06	33054815	33055175	Gmdrm	hypo	CG	-0.048
Gm06	33082171	33082873	Gmdrm	hypo	CG	-0.0343
Gm06	33321189	33321655	Gmdrm	hypo	CG	-0.0588
Gm06	33531448	33531843	Gmdrm	hypo	CG	-0.5286
Gm06	33535019	33535156	Gmdrm	hypo	CG	-0.169
Gm06	33569730	33570519	Gmdrm	hypo	CG	-0.0708
Gm06	33642372	33642451	Gmdrm	hypo	CG	-0.055
Gm06	33679122	33679422	Gmdrm	hypo	CG	-0.0646
Gm06	33901352	33901453	Gmdrm	hypo	CG	-0.1071
Gm06	33967820	33967877	Gmdrm	hypo	CG	-0.064
Gm06	33970125	33970431	Gmdrm	hypo	CG	-0.0468
Gm06	34044250	34045030	Gmdrm	hypo	CG	-0.0293
Gm06	34100063	34100456	Gmdrm	hypo	CG	-0.0404
Gm06	34126111	34126172	Gmdrm	hypo	CG	-0.0451
Gm06	34161788	34162027	Gmdrm	hypo	CG	-0.8509
Gm06	34162165	34162683	Gmdrm	hypo	CG	-0.0482
Gm06	34162826	34163071	Gmdrm	hypo	CG	-0.1315
Gm06	34207291	34207938	Gmdrm	hypo	CG	-0.0283
Gm06	34291939	34292085	Gmdrm	hypo	CG	-0.1
Gm06	34303672	34304031	Gmdrm	hypo	CG	-0.5667
Gm06	34304354	34304435	Gmdrm	hypo	CG	-0.466
Gm06	34305157	34305280	Gmdrm	hypo	CG	-0.69
Gm06	34310427	34310502	Gmdrm	hypo	CG	-0.9368
Gm06	34312738	34313074	Gmdrm	hypo	CG	-0.4564
Gm06	34323827	34323936	Gmdrm	hypo	CG	-0.929
Gm06	34326339	34326589	Gmdrm	hypo	CG	-0.5833
Gm06	34341321	34341583	Gmdrm	hypo	CG	-0.0957
Gm06	34364514	34364722	Gmdrm	hypo	CG	-0.425

Gm06	34437544	34437593	Gmdrm	hypo	CG	-0.0358
Gm06	34437773	34437912	Gmdrm	hypo	CG	-0.56
Gm06	34601116	34601137	Gmdrm	hypo	CG	-0.9634
Gm06	34617114	34617182	Gmdrm	hypo	CG	-0.9717
Gm06	34617557	34617706	Gmdrm	hypo	CG	-0.4444
Gm06	34666198	34666434	Gmdrm	hypo	CG	-0.5618
Gm06	34666970	34667207	Gmdrm	hypo	CG	-0.4944
Gm06	34690765	34690969	Gmdrm	hypo	CG	-0.0414
Gm06	34731510	34732060	Gmdrm	hypo	CG	-0.0652
Gm06	34903198	34903381	Gmdrm	hypo	CG	-0.0729
Gm06	34905051	34905284	Gmdrm	hypo	CG	-0.0714
Gm06	34914634	34914743	Gmdrm	hypo	CG	-0.052
Gm06	34944809	34944875	Gmdrm	hypo	CG	-0.0563
Gm06	35058926	35059538	Gmdrm	hypo	CG	-0.0621
Gm06	35060848	35061361	Gmdrm	hypo	CG	-0.0844
Gm06	35098824	35098863	Gmdrm	hypo	CG	-0.0542
Gm06	35101846	35102119	Gmdrm	hypo	CG	-0.0361
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Gm06	35244097	35244179	Gmdrm	hypo	CG	-0.3063
Gm06	35244576	35244637	Gmdrm	hypo	CG	-0.9483
Gm06	35256472	35256638	Gmdrm	hypo	CG	-0.124
Gm06	35262778	35262882	Gmdrm	hypo	CG	-0.0717
Gm06	35267960	35268500	Gmdrm	hypo	CG	-0.0404
Gm06	35290699	35290904	Gmdrm	hypo	CG	-0.0633
Gm06	35339981	35340392	Gmdrm	hypo	CG	-0.6472
Gm06	35340654	35340993	Gmdrm	hypo	CG	-0.3783
Gm06	35341394	35341460	Gmdrm	hypo	CG	-0.495
Gm06	35369679	35369943	Gmdrm	hypo	CG	-0.9061
Gm06	35377162	35377224	Gmdrm	hypo	CG	-0.86
Gm06	35378315	35378425	Gmdrm	hypo	CG	-0.0517
Gm06	35400782	35401054	Gmdrm	hypo	CG	-0.0645
Gm06	35433214	35433360	Gmdrm	hypo	CG	-0.3199
Gm06	35444205	35444430	Gmdrm	hypo	CG	-0.058
Gm06	35485945	35486046	Gmdrm	hypo	CG	-0.2833
Gm06	35486380	35486500	Gmdrm	hypo	CG	-0.2675
Gm06	35543565	35543715	Gmdrm	hypo	CG	-0.04
Gm06	35667011	35667300	Gmdrm	hypo	CG	-0.0367
Gm06	35727695	35727993	Gmdrm	hypo	CG	-0.505
Gm06	35765376	35765566	Gmdrm	hypo	CG	-0.0863
Gm06	35797652	35797792	Gmdrm	hypo	CG	-0.675
Gm06	35797997	35798123	Gmdrm	hypo	CG	-0.72
Gm06	35800929	35800960	Gmdrm	hypo	CG	-0.355
Gm06	35922823	35922922	Gmdrm	hypo	CG	-0.098
Gm06	35973990	35974146	Gmdrm	hypo	CG	-0.1291
Gm06	36032079	36032219	Gmdrm	hypo	CG	-0.6437
Gm06	36033993	36034037	Gmdrm	hypo	CG	-0.9066

Gm06	36037751	36037800	Gmdrm	hypo	CG	-0.8617
Gm06	36037943	36038162	Gmdrm	hypo	CG	-0.2713
Gm06	36074867	36075119	Gmdrm	hypo	CG	-0.88
Gm06	36076746	36076840	Gmdrm	hypo	CG	-0.1034
Gm06	36176622	36176843	Gmdrm	hypo	CG	-0.087
Gm06	36547254	36547549	Gmdrm	hypo	CG	-0.046
Gm06	36680867	36681073	Gmdrm	hypo	CG	-0.221
Gm06	36681734	36682032	Gmdrm	hypo	CG	-0.5415
Gm06	36723692	36723827	Gmdrm	hypo	CG	-0.1147
Gm06	36757066	36757302	Gmdrm	hypo	CG	-0.0652
Gm06	36816088	36816257	Gmdrm	hypo	CG	-0.0658
Gm06	36822510	36822586	Gmdrm	hypo	CG	-0.3167
Gm06	36825258	36825506	Gmdrm	hypo	CG	-0.23
Gm06	36834144	36834166	Gmdrm	hypo	CG	-0.0257
Gm06	36875274	36875387	Gmdrm	hypo	CG	-0.4384
Gm06	36877402	36877663	Gmdrm	hypo	CG	-0.5356
Gm06	36892544	36892679	Gmdrm	hypo	CG	-0.5134
Gm06	36893333	36893424	Gmdrm	hypo	CG	-0.5717
Gm06	36917136	36917326	Gmdrm	hypo	CG	-0.042
Gm06	36923377	36924241	Gmdrm	hypo	CG	-0.1722
Gm06	36926007	36926138	Gmdrm	hypo	CG	-0.1726
Gm06	36958223	36958258	Gmdrm	hypo	CG	-0.0525
Gm06	36970842	36971187	Gmdrm	hypo	CG	-0.182
Gm06	37002921	37003302	Gmdrm	hypo	CG	-0.1969
Gm06	37005915	37006395	Gmdrm	hypo	CG	-0.293
Gm06	37018764	37019147	Gmdrm	hypo	CG	-0.0491
Gm06	37148300	37148567	Gmdrm	hypo	CG	-0.0939
Gm06	37158287	37158507	Gmdrm	hypo	CG	-0.042
Gm06	37167246	37167570	Gmdrm	hypo	CG	-0.1478
Gm06	37251267	37251319	Gmdrm	hypo	CG	-0.136
Gm06	37261432	37261500	Gmdrm	hypo	CG	-0.274
Gm06	37304378	37304441	Gmdrm	hypo	CG	-0.148
Gm06	37328275	37328356	Gmdrm	hypo	CG	-0.1488
Gm06	37412946	37413124	Gmdrm	hypo	CG	-0.7028
Gm06	37414428	37414467	Gmdrm	hypo	CG	-0.3788
Gm06	37597446	37597574	Gmdrm	hypo	CG	-0.2519
Gm06	37603589	37603696	Gmdrm	hypo	CG	-0.3375
Gm06	37611991	37612116	Gmdrm	hypo	CG	-0.885
Gm06	37612492	37612624	Gmdrm	hypo	CG	-0.2783
Gm06	37617450	37617682	Gmdrm	hypo	CG	-0.0305
Gm06	37675505	37675798	Gmdrm	hypo	CG	-0.4542
Gm06	37687592	37687949	Gmdrm	hypo	CG	-0.3492
Gm06	37705744	37705850	Gmdrm	hypo	CG	-0.5667
Gm06	37711110	37711532	Gmdrm	hypo	CG	-0.042
Gm06	37718512	37718549	Gmdrm	hypo	CG	-0.9087
Gm06	37762884	37763082	Gmdrm	hypo	CG	-0.0984

Gm06	37780781	37780924	Gmdrm	hypo	CG	-0.1028
Gm06	37804300	37804649	Gmdrm	hypo	CG	-0.0427
Gm06	37837540	37837697	Gmdrm	hypo	CG	-0.341
Gm06	37840408	37840551	Gmdrm	hypo	CG	-0.0283
Gm06	37842787	37842893	Gmdrm	hypo	CG	-0.255
Gm06	37854444	37854540	Gmdrm	hypo	CG	-0.6887
Gm06	37885944	37886232	Gmdrm	hypo	CG	-0.4329
Gm06	37886597	37886775	Gmdrm	hypo	CG	-0.0286
Gm06	38018246	38018267	Gmdrm	hypo	CG	-0.055
Gm06	38018376	38019086	Gmdrm	hypo	CG	-0.07
Gm06	38019205	38019283	Gmdrm	hypo	CG	-0.288
Gm06	38071569	38071751	Gmdrm	hypo	CG	-0.3275
Gm06	38073880	38074073	Gmdrm	hypo	CG	-0.0708
Gm06	38095735	38095858	Gmdrm	hypo	CG	-0.0675
Gm06	38115926	38116057	Gmdrm	hypo	CG	-0.1006
Gm06	38124575	38124830	Gmdrm	hypo	CG	-0.0473
Gm06	38132035	38132331	Gmdrm	hypo	CG	-0.3946
Gm06	38148548	38148640	Gmdrm	hypo	CG	-0.6267
Gm06	38149765	38149993	Gmdrm	hypo	CG	-0.0517
Gm06	38167627	38167664	Gmdrm	hypo	CG	-0.9717
Gm06	38168608	38169365	Gmdrm	hypo	CG	-0.0208
Gm06	38180442	38180615	Gmdrm	hypo	CG	-0.045
Gm06	38184812	38185062	Gmdrm	hypo	CG	-0.4313
Gm06	38185864	38186060	Gmdrm	hypo	CG	-0.1964
Gm06	38201874	38202049	Gmdrm	hypo	CG	-0.05
Gm06	38205356	38205666	Gmdrm	hypo	CG	-0.1356
Gm06	38215003	38215218	Gmdrm	hypo	CG	-0.7175
Gm06	38227804	38228274	Gmdrm	hypo	CG	-0.0562
Gm06	38247822	38247949	Gmdrm	hypo	CG	-0.0615
Gm06	38261922	38262038	Gmdrm	hypo	CG	-0.0783
Gm06	38283975	38284091	Gmdrm	hypo	CG	-0.134
Gm06	38306832	38307085	Gmdrm	hypo	CG	-0.7193
Gm06	38309277	38309506	Gmdrm	hypo	CG	-0.853
Gm06	38353414	38353494	Gmdrm	hypo	CG	-0.472
Gm06	38361160	38361272	Gmdrm	hypo	CG	-0.1399
Gm06	38363227	38363241	Gmdrm	hypo	CG	-0.9433
Gm06	38363354	38363458	Gmdrm	hypo	CG	-0.732
Gm06	38405305	38405469	Gmdrm	hypo	CG	-0.75
Gm06	38412016	38412181	Gmdrm	hypo	CG	-0.0982
Gm06	38423496	38423649	Gmdrm	hypo	CG	-0.13
Gm06	38426791	38427171	Gmdrm	hypo	CG	-0.8469
Gm06	38446399	38446518	Gmdrm	hypo	CG	-0.046
Gm06	38504360	38504420	Gmdrm	hypo	CG	-0.812
Gm06	38509427	38509681	Gmdrm	hypo	CG	-0.1645
Gm06	38516911	38516950	Gmdrm	hypo	CG	-0.415
Gm06	38569573	38569600	Gmdrm	hypo	CG	-0.7784

Gm06	38675157	38675468	Gmdrm	hypo	CG	-0.2995
Gm06	38755467	38755631	Gmdrm	hypo	CG	-0.8945
Gm06	38756033	38756230	Gmdrm	hypo	CG	-0.8457
Gm06	38787864	38787916	Gmdrm	hypo	CG	-0.034
Gm06	38814012	38814166	Gmdrm	hypo	CG	-0.2983
Gm06	38832762	38832994	Gmdrm	hypo	CG	-0.1036
Gm06	38835851	38835966	Gmdrm	hypo	CG	-0.0425
Gm06	38887641	38887828	Gmdrm	hypo	CG	-0.4225
Gm06	38940261	38940273	Gmdrm	hypo	CG	-0.0687
Gm06	38950857	38950998	Gmdrm	hypo	CG	-0.0825
Gm06	38953296	38953519	Gmdrm	hypo	CG	-0.3862
Gm06	38953667	38953764	Gmdrm	hypo	CG	-0.4762
Gm06	39014326	39014412	Gmdrm	hypo	CG	-0.565
Gm06	39014593	39014844	Gmdrm	hypo	CG	-0.3055
Gm06	39025552	39025857	Gmdrm	hypo	CG	-0.5592
Gm06	39027168	39027519	Gmdrm	hypo	CG	-0.5897
Gm06	39041362	39041605	Gmdrm	hypo	CG	-0.0444
Gm06	39049400	39049632	Gmdrm	hypo	CG	-0.1169
Gm06	39049746	39049918	Gmdrm	hypo	CG	-0.485
Gm06	39080844	39080996	Gmdrm	hypo	CG	-0.766
Gm06	39134900	39134943	Gmdrm	hypo	CG	-0.8562
Gm06	39148206	39148395	Gmdrm	hypo	CG	-0.2318
Gm06	39149183	39149454	Gmdrm	hypo	CG	-0.3159
Gm06	39151466	39152239	Gmdrm	hypo	CG	-0.2012
Gm06	39155804	39155889	Gmdrm	hypo	CG	-0.7933
Gm06	39158406	39158546	Gmdrm	hypo	CG	-0.813
Gm06	39167037	39167213	Gmdrm	hypo	CG	-0.619
Gm06	39170149	39170463	Gmdrm	hypo	CG	-0.0289
Gm06	39179282	39179467	Gmdrm	hypo	CG	-0.051
Gm06	39181903	39182290	Gmdrm	hypo	CG	-0.0385
Gm06	39182403	39182733	Gmdrm	hypo	CG	-0.0671
Gm06	39189483	39189583	Gmdrm	hypo	CG	-0.12
Gm06	39208422	39208442	Gmdrm	hypo	CG	-0.5933
Gm06	39260436	39260547	Gmdrm	hypo	CG	-0.6086
Gm06	39265584	39266145	Gmdrm	hypo	CG	-0.0524
Gm06	39294039	39294228	Gmdrm	hypo	CG	-0.0633
Gm06	39312928	39313009	Gmdrm	hypo	CG	-0.4825
Gm06	39322187	39322381	Gmdrm	hypo	CG	-0.5462
Gm06	39322502	39323132	Gmdrm	hypo	CG	-0.027
Gm06	39339969	39340356	Gmdrm	hypo	CG	-0.915
Gm06	39340712	39340825	Gmdrm	hypo	CG	-0.852
Gm06	39375259	39375676	Gmdrm	hypo	CG	-0.0416
Gm06	39378133	39378416	Gmdrm	hypo	CG	-0.2895
Gm06	39454531	39454703	Gmdrm	hypo	CG	-0.0455
Gm06	39466105	39466385	Gmdrm	hypo	CG	-0.1035
Gm06	39474766	39474902	Gmdrm	hypo	CG	-0.4578

Gm06	39477474	39477532	Gmdrm	hypo	CG	-0.6088
Gm06	39514070	39514190	Gmdrm	hypo	CG	-0.0691
Gm06	39604592	39604650	Gmdrm	hypo	CG	-0.065
Gm06	39661091	39661217	Gmdrm	hypo	CG	-0.2717
Gm06	39662852	39663064	Gmdrm	hypo	CG	-0.4809
Gm06	39714171	39714188	Gmdrm	hypo	CG	-0.0638
Gm06	39718305	39718383	Gmdrm	hypo	CG	-0.206
Gm06	39718501	39718688	Gmdrm	hypo	CG	-0.2318
Gm06	39729352	39729373	Gmdrm	hypo	CG	-0.4967
Gm06	39729624	39729822	Gmdrm	hypo	CG	-0.9163
Gm06	39743139	39743444	Gmdrm	hypo	CG	-0.47
Gm06	39767297	39767502	Gmdrm	hypo	CG	-0.1084
Gm06	39768614	39768670	Gmdrm	hypo	CG	-0.3587
Gm06	39797953	39797993	Gmdrm	hypo	CG	-0.437
Gm06	39802181	39802367	Gmdrm	hypo	CG	-0.6888
Gm06	39828777	39828797	Gmdrm	hypo	CG	-0.08
Gm06	39872835	39872939	Gmdrm	hypo	CG	-0.1416
Gm06	39884898	39884933	Gmdrm	hypo	CG	-0.66
Gm06	39885103	39885208	Gmdrm	hypo	CG	-0.7157
Gm06	39886896	39887175	Gmdrm	hypo	CG	-0.1854
Gm06	39888121	39888283	Gmdrm	hypo	CG	-0.41
Gm06	39890599	39890659	Gmdrm	hypo	CG	-0.7786
Gm06	39892527	39892559	Gmdrm	hypo	CG	-0.282
Gm06	39893752	39893867	Gmdrm	hypo	CG	-0.646
Gm06	39896019	39896400	Gmdrm	hypo	CG	-0.054
Gm06	39941124	39941227	Gmdrm	hypo	CG	-0.0479
Gm06	40154804	40154862	Gmdrm	hypo	CG	-0.214
Gm06	40239432	40239575	Gmdrm	hypo	CG	-0.0775
Gm06	40248682	40248809	Gmdrm	hypo	CG	-0.6229
Gm06	40263965	40264291	Gmdrm	hypo	CG	-0.2674
Gm06	40347255	40347380	Gmdrm	hypo	CG	-0.0587
Gm06	40366042	40366268	Gmdrm	hypo	CG	-0.0781
Gm06	40388323	40388406	Gmdrm	hypo	CG	-0.065
Gm06	40412405	40413403	Gmdrm	hypo	CG	-0.0504
Gm06	40490838	40491068	Gmdrm	hypo	CG	-0.06
Gm06	40517705	40517743	Gmdrm	hypo	CG	-0.545
Gm06	40529360	40529458	Gmdrm	hypo	CG	-0.0509
Gm06	40563654	40564049	Gmdrm	hypo	CG	-0.0563
Gm06	40648255	40648545	Gmdrm	hypo	CG	-0.0533
Gm06	40713642	40714196	Gmdrm	hypo	CG	-0.0875
Gm06	40763602	40763651	Gmdrm	hypo	CG	-0.055
Gm06	40801217	40801449	Gmdrm	hypo	CG	-0.2954
Gm06	40805071	40805163	Gmdrm	hypo	CG	-0.193
Gm06	40805556	40805807	Gmdrm	hypo	CG	-0.1414
Gm06	40806007	40806037	Gmdrm	hypo	CG	-0.3388
Gm06	40806632	40806736	Gmdrm	hypo	CG	-0.6

Gm06	40835820	40836149	Gmdrm	hypo	CG	-0.2919
Gm06	40855841	40855962	Gmdrm	hypo	CG	-0.8515
Gm06	40857266	40857353	Gmdrm	hypo	CG	-0.8488
Gm06	40857645	40857699	Gmdrm	hypo	CG	-0.7667
Gm06	40857822	40858020	Gmdrm	hypo	CG	-0.6736
Gm06	40859912	40860255	Gmdrm	hypo	CG	-0.5687
Gm06	40860402	40860640	Gmdrm	hypo	CG	-0.1194
Gm06	40867516	40867639	Gmdrm	hypo	CG	-0.1814
Gm06	40905295	40905423	Gmdrm	hypo	CG	-0.8488
Gm06	40932778	40932929	Gmdrm	hypo	CG	-0.778
Gm06	40933100	40933167	Gmdrm	hypo	CG	-0.6525
Gm06	40934429	40934708	Gmdrm	hypo	CG	-0.7172
Gm06	40935047	40935197	Gmdrm	hypo	CG	-0.8943
Gm06	40942076	40942759	Gmdrm	hypo	CG	-0.4935
Gm06	40963242	40963382	Gmdrm	hypo	CG	-0.8684
Gm06	40976657	40976752	Gmdrm	hypo	CG	-0.065
Gm06	40994681	40994805	Gmdrm	hypo	CG	-0.3185
Gm06	41018548	41018679	Gmdrm	hypo	CG	-0.095
Gm06	41019298	41019375	Gmdrm	hypo	CG	-0.2963
Gm06	41040025	41040081	Gmdrm	hypo	CG	-0.532
Gm06	41047762	41048325	Gmdrm	hypo	CG	-0.0833
Gm06	41051770	41052242	Gmdrm	hypo	CG	-0.0452
Gm06	41072509	41072590	Gmdrm	hypo	CG	-0.716
Gm06	41075216	41075332	Gmdrm	hypo	CG	-0.5533
Gm06	41076495	41076725	Gmdrm	hypo	CG	-0.17
Gm06	41084454	41084519	Gmdrm	hypo	CG	-0.055
Gm06	41084685	41084728	Gmdrm	hypo	CG	-0.2284
Gm06	41102074	41102433	Gmdrm	hypo	CG	-0.1447
Gm06	41110949	41111350	Gmdrm	hypo	CG	-0.8864
Gm06	41125102	41125266	Gmdrm	hypo	CG	-0.45
Gm06	41130115	41130211	Gmdrm	hypo	CG	-0.8975
Gm06	41170938	41171031	Gmdrm	hypo	CG	-0.8367
Gm06	41171155	41171201	Gmdrm	hypo	CG	-0.6537
Gm06	41188196	41188352	Gmdrm	hypo	CG	-0.077
Gm06	41233494	41233937	Gmdrm	hypo	CG	-0.0836
Gm06	41274776	41275591	Gmdrm	hypo	CG	-0.0227
Gm06	41284737	41284793	Gmdrm	hypo	CG	-0.0463
Gm06	41285472	41285511	Gmdrm	hypo	CG	-0.3116
Gm06	41324850	41324914	Gmdrm	hypo	CG	-0.93
Gm06	41377068	41377302	Gmdrm	hypo	CG	-0.0418
Gm06	41410038	41410453	Gmdrm	hypo	CG	-0.8987
Gm06	41432105	41432258	Gmdrm	hypo	CG	-0.4
Gm06	41442177	41442250	Gmdrm	hypo	CG	-0.3184
Gm06	41464641	41464791	Gmdrm	hypo	CG	-0.37
Gm06	41486131	41486556	Gmdrm	hypo	CG	-0.0607
Gm06	41492902	41492928	Gmdrm	hypo	CG	-0.8983

Gm06	41494855	41494889	Gmdrm	hypo	CG	-0.9612
Gm06	41547594	41547784	Gmdrm	hypo	CG	-0.433
Gm06	41548041	41548242	Gmdrm	hypo	CG	-0.3081
Gm06	41548619	41548740	Gmdrm	hypo	CG	-0.233
Gm06	41554203	41554353	Gmdrm	hypo	CG	-0.938
Gm06	41554770	41554795	Gmdrm	hypo	CG	-0.6017
Gm06	41571724	41571835	Gmdrm	hypo	CG	-0.7034
Gm06	41578391	41578561	Gmdrm	hypo	CG	-0.26
Gm06	41593126	41593220	Gmdrm	hypo	CG	-0.4816
Gm06	41611365	41611822	Gmdrm	hypo	CG	-0.3174
Gm06	41611936	41611962	Gmdrm	hypo	CG	-0.4183
Gm06	41638204	41638334	Gmdrm	hypo	CG	-0.648
Gm06	41655656	41655697	Gmdrm	hypo	CG	-0.0466
Gm06	41658834	41658946	Gmdrm	hypo	CG	-0.1067
Gm06	41687502	41687625	Gmdrm	hypo	CG	-0.0408
Gm06	41691215	41691511	Gmdrm	hypo	CG	-0.4509
Gm06	41726304	41726530	Gmdrm	hypo	CG	-0.0692
Gm06	41726883	41727142	Gmdrm	hypo	CG	-0.099
Gm06	41750254	41750415	Gmdrm	hypo	CG	-0.644
Gm06	41751358	41751471	Gmdrm	hypo	CG	-0.0746
Gm06	41815537	41815698	Gmdrm	hypo	CG	-0.743
Gm06	41830898	41830998	Gmdrm	hypo	CG	-0.21
Gm06	41860148	41860530	Gmdrm	hypo	CG	-0.0425
Gm06	42189481	42189655	Gmdrm	hypo	CG	-0.602
Gm06	42257622	42257685	Gmdrm	hypo	CG	-0.42
Gm06	42270039	42270116	Gmdrm	hypo	CG	-0.2634
Gm06	42349858	42350022	Gmdrm	hypo	CG	-0.624
Gm06	42369977	42370015	Gmdrm	hypo	CG	-0.59
Gm06	42371344	42371508	Gmdrm	hypo	CG	-0.5743
Gm06	42424210	42424463	Gmdrm	hypo	CG	-0.0442
Gm06	42432313	42433049	Gmdrm	hypo	CG	-0.0346
Gm06	42462743	42462858	Gmdrm	hypo	CG	-0.976
Gm06	42555022	42555043	Gmdrm	hypo	CG	-0.085
Gm06	42566206	42566419	Gmdrm	hypo	CG	-0.0395
Gm06	42583463	42583543	Gmdrm	hypo	CG	-0.2157
Gm06	42583726	42583791	Gmdrm	hypo	CG	-0.66
Gm06	42612133	42612394	Gmdrm	hypo	CG	-0.037
Gm06	42621996	42622171	Gmdrm	hypo	CG	-0.5357
Gm06	42716249	42716288	Gmdrm	hypo	CG	-0.93
Gm06	42716850	42716949	Gmdrm	hypo	CG	-0.974
Gm06	42736505	42736526	Gmdrm	hypo	CG	-0.875
Gm06	42736727	42737127	Gmdrm	hypo	CG	-0.5685
Gm06	42737290	42737322	Gmdrm	hypo	CG	-0.4184
Gm06	42739452	42739630	Gmdrm	hypo	CG	-0.4712
Gm06	42740408	42740545	Gmdrm	hypo	CG	-0.1111
Gm06	42774019	42774121	Gmdrm	hypo	CG	-0.57

Gm06	42776411	42776450	Gmdrm	hypo	CG	-0.5083
Gm06	42778390	42778417	Gmdrm	hypo	CG	-0.6325
Gm06	42788217	42788255	Gmdrm	hypo	CG	-0.675
Gm06	42803393	42803537	Gmdrm	hypo	CG	-0.0783
Gm06	42804079	42804379	Gmdrm	hypo	CG	-0.6279
Gm06	42880309	42880461	Gmdrm	hypo	CG	-0.0412
Gm06	42885939	42886000	Gmdrm	hypo	CG	-0.3783
Gm06	42886106	42886260	Gmdrm	hypo	CG	-0.3825
Gm06	42886386	42886484	Gmdrm	hypo	CG	-0.6683
Gm06	42911113	42911214	Gmdrm	hypo	CG	-0.0789
Gm06	42986061	42986206	Gmdrm	hypo	CG	-0.1575
Gm06	43063300	43063366	Gmdrm	hypo	CG	-0.538
Gm06	43145286	43145663	Gmdrm	hypo	CG	-0.0485
Gm06	43177261	43177764	Gmdrm	hypo	CG	-0.2256
Gm06	43180127	43180253	Gmdrm	hypo	CG	-0.0833
Gm06	43191742	43191854	Gmdrm	hypo	CG	-0.068
Gm06	43193597	43193793	Gmdrm	hypo	CG	-0.5492
Gm06	43240276	43240353	Gmdrm	hypo	CG	-0.5567
Gm06	43240836	43240859	Gmdrm	hypo	CG	-0.8325
Gm06	43321482	43321672	Gmdrm	hypo	CG	-0.7368
Gm06	43327926	43328102	Gmdrm	hypo	CG	-0.1549
Gm06	43328384	43328449	Gmdrm	hypo	CG	-0.145
Gm06	43328994	43329281	Gmdrm	hypo	CG	-0.2194
Gm06	43378667	43378906	Gmdrm	hypo	CG	-0.05
Gm06	43380360	43380450	Gmdrm	hypo	CG	-0.08
Gm06	43384502	43384595	Gmdrm	hypo	CG	-0.064
Gm06	43400381	43400617	Gmdrm	hypo	CG	-0.431
Gm06	43444603	43444692	Gmdrm	hypo	CG	-0.0933
Gm06	43452540	43452613	Gmdrm	hypo	CG	-0.0914
Gm06	43491646	43492601	Gmdrm	hypo	CG	-0.0302
Gm06	43555307	43555391	Gmdrm	hypo	CG	-0.65
Gm06	43564502	43564603	Gmdrm	hypo	CG	-0.1342
Gm06	43588673	43588843	Gmdrm	hypo	CG	-0.265
Gm06	43594175	43594248	Gmdrm	hypo	CG	-0.0613
Gm06	43869098	43869177	Gmdrm	hypo	CG	-0.0334
Gm06	43877963	43878087	Gmdrm	hypo	CG	-0.93
Gm06	43902828	43903001	Gmdrm	hypo	CG	-0.1137
Gm06	43911380	43911894	Gmdrm	hypo	CG	-0.1243
Gm06	43925742	43925811	Gmdrm	hypo	CG	-0.079
Gm06	43931651	43931844	Gmdrm	hypo	CG	-0.6077
Gm06	43932706	43933012	Gmdrm	hypo	CG	-0.6782
Gm06	43955691	43955790	Gmdrm	hypo	CG	-0.245
Gm06	43973491	43973945	Gmdrm	hypo	CG	-0.0376
Gm06	44090317	44090436	Gmdrm	hypo	CG	-0.2888
Gm06	44090957	44091215	Gmdrm	hypo	CG	-0.4878
Gm06	44099251	44099449	Gmdrm	hypo	CG	-0.4112

Gm06	44111497	44111689 Gmdrm	hypo	CG	-0.069
Gm06	44130735	44130862 Gmdrm	hypo	CG	-0.595
Gm06	44201524	44201572 Gmdrm	hypo	CG	-0.5783
Gm06	44203150	44203208 Gmdrm	hypo	CG	-0.124
Gm06	44259459	44259502 Gmdrm	hypo	CG	-0.515
Gm06	44298371	44298437 Gmdrm	hypo	CG	-0.0717
Gm06	44316637	44316938 Gmdrm	hypo	CG	-0.3478
Gm06	44336816	44336903 Gmdrm	hypo	CG	-0.315
Gm06	44359285	44359430 Gmdrm	hypo	CG	-0.0487
Gm06	44387763	44388121 Gmdrm	hypo	CG	-0.2444
Gm06	44388871	44388916 Gmdrm	hypo	CG	-0.465
Gm06	44389037	44389169 Gmdrm	hypo	CG	-0.539
Gm06	44389379	44389438 Gmdrm	hypo	CG	-0.5917
Gm06	44393099	44393299 Gmdrm	hypo	CG	-0.6342
Gm06	44393429	44393487 Gmdrm	hypo	CG	-0.4283
Gm06	44394115	44394323 Gmdrm	hypo	CG	-0.2463
Gm06	44415311	44415406 Gmdrm	hypo	CG	-0.57
Gm06	44420027	44420093 Gmdrm	hypo	CG	-0.7833
Gm06	44428472	44428494 Gmdrm	hypo	CG	-0.555
Gm06	44429367	44429412 Gmdrm	hypo	CG	-0.71
Gm06	44429671	44429723 Gmdrm	hypo	CG	-0.4417
Gm06	44430823	44430898 Gmdrm	hypo	CG	-0.8825
Gm06	44434197	44434282 Gmdrm	hypo	CG	-0.6758
Gm06	44434428	44434545 Gmdrm	hypo	CG	-0.945
Gm06	44436204	44436412 Gmdrm	hypo	CG	-0.1543
Gm06	44450828	44450947 Gmdrm	hypo	CG	-0.9457
Gm06	44451068	44451260 Gmdrm	hypo	CG	-0.5869
Gm06	44451450	44451611 Gmdrm	hypo	CG	-0.489
Gm06	44464720	44464860 Gmdrm	hypo	CG	-0.5514
Gm06	44470935	44470992 Gmdrm	hypo	CG	-0.776
Gm06	44490344	44490446 Gmdrm	hypo	CG	-0.1782
Gm06	44521654	44521851 Gmdrm	hypo	CG	-0.596
Gm06	44521960	44521982 Gmdrm	hypo	CG	-0.9733
Gm06	44525433	44525489 Gmdrm	hypo	CG	-0.6367
Gm06	44526848	44526870 Gmdrm	hypo	CG	-0.6117
Gm06	44542629	44542720 Gmdrm	hypo	CG	-0.0843
Gm06	44561979	44562298 Gmdrm	hypo	CG	-0.0574
Gm06	44569173	44569289 Gmdrm	hypo	CG	-0.6386
Gm06	44577193	44577296 Gmdrm	hypo	CG	-0.774
Gm06	44577406	44577668 Gmdrm	hypo	CG	-0.5681
Gm06	44578154	44578233 Gmdrm	hypo	CG	-0.143
Gm06	44592509	44592618 Gmdrm	hypo	CG	-0.635
Gm06	44595391	44595436 Gmdrm	hypo	CG	-0.4757
Gm06	44597060	44597215 Gmdrm	hypo	CG	-0.6533
Gm06	44600960	44601470 Gmdrm	hypo	CG	-0.0815
Gm06	44609937	44609974 Gmdrm	hypo	CG	-0.9137

Gm06	44613922	44614214	Gmdrm	hypo	CG	-0.2822
Gm06	44620777	44620894	Gmdrm	hypo	CG	-0.2615
Gm06	44621747	44621906	Gmdrm	hypo	CG	-0.185
Gm06	44635840	44635985	Gmdrm	hypo	CG	-0.4167
Gm06	44649120	44649323	Gmdrm	hypo	CG	-0.0391
Gm06	44659073	44659103	Gmdrm	hypo	CG	-0.3184
Gm06	44683672	44683771	Gmdrm	hypo	CG	-0.4733
Gm06	44721433	44721563	Gmdrm	hypo	CG	-0.4783
Gm06	44723252	44723510	Gmdrm	hypo	CG	-0.455
Gm06	44725642	44725907	Gmdrm	hypo	CG	-0.7206
Gm06	44744590	44744679	Gmdrm	hypo	CG	-0.49
Gm06	44765593	44765636	Gmdrm	hypo	CG	-0.04
Gm06	44772496	44772617	Gmdrm	hypo	CG	-0.8279
Gm06	44782729	44782806	Gmdrm	hypo	CG	-0.0428
Gm06	44799837	44799905	Gmdrm	hypo	CG	-0.338
Gm06	44800068	44800130	Gmdrm	hypo	CG	-0.8312
Gm06	44800257	44800350	Gmdrm	hypo	CG	-0.9216
Gm06	44802753	44803009	Gmdrm	hypo	CG	-0.89
Gm06	44803285	44803451	Gmdrm	hypo	CG	-0.9143
Gm06	44805277	44805669	Gmdrm	hypo	CG	-0.54
Gm06	44805900	44805968	Gmdrm	hypo	CG	-0.8867
Gm06	44806144	44806206	Gmdrm	hypo	CG	-0.6438
Gm06	44815680	44815906	Gmdrm	hypo	CG	-0.7164
Gm06	44817067	44817422	Gmdrm	hypo	CG	-0.76
Gm06	44844247	44844308	Gmdrm	hypo	CG	-0.592
Gm06	44846690	44846784	Gmdrm	hypo	CG	-0.659
Gm06	44853406	44853699	Gmdrm	hypo	CG	-0.0672
Gm06	44858390	44858773	Gmdrm	hypo	CG	-0.5982
Gm06	44862483	44862716	Gmdrm	hypo	CG	-0.61
Gm06	44876900	44876981	Gmdrm	hypo	CG	-0.0543
Gm06	44879412	44879722	Gmdrm	hypo	CG	-0.0669
Gm06	44879972	44880045	Gmdrm	hypo	CG	-0.949
Gm06	44880170	44880342	Gmdrm	hypo	CG	-0.7325
Gm06	44881286	44881430	Gmdrm	hypo	CG	-0.125
Gm06	44881949	44882040	Gmdrm	hypo	CG	-0.028
Gm06	44896864	44897122	Gmdrm	hypo	CG	-0.0311
Gm06	44941187	44941320	Gmdrm	hypo	CG	-0.128
Gm06	44949861	44950055	Gmdrm	hypo	CG	-0.704
Gm06	44950880	44951234	Gmdrm	hypo	CG	-0.8441
Gm06	44967270	44967421	Gmdrm	hypo	CG	-0.2009
Gm06	44967955	44968221	Gmdrm	hypo	CG	-0.1586
Gm06	44983828	44983958	Gmdrm	hypo	CG	-0.2017
Gm06	44984433	44984493	Gmdrm	hypo	CG	-0.804
Gm06	44989590	44989693	Gmdrm	hypo	CG	-0.95
Gm06	44994363	44994476	Gmdrm	hypo	CG	-0.4513
Gm06	45010975	45011075	Gmdrm	hypo	CG	-0.53

Gm06	45021265	45021497	Gmdrm	hypo	CG	-0.064
Gm06	45025667	45025822	Gmdrm	hypo	CG	-0.254
Gm06	45037138	45037273	Gmdrm	hypo	CG	-0.4862
Gm06	45060331	45060470	Gmdrm	hypo	CG	-0.6533
Gm06	45061662	45061850	Gmdrm	hypo	CG	-0.5528
Gm06	45069586	45069698	Gmdrm	hypo	CG	-0.1311
Gm06	45154226	45154638	Gmdrm	hypo	CG	-0.607
Gm06	45155045	45155208	Gmdrm	hypo	CG	-0.53
Gm06	45169910	45170022	Gmdrm	hypo	CG	-0.3443
Gm06	45173208	45173428	Gmdrm	hypo	CG	-0.0313
Gm06	45181050	45181614	Gmdrm	hypo	CG	-0.0518
Gm06	45192322	45192342	Gmdrm	hypo	CG	-0.9417
Gm06	45199879	45199937	Gmdrm	hypo	CG	-0.6417
Gm06	45247326	45247429	Gmdrm	hypo	CG	-0.11
Gm06	45286831	45286958	Gmdrm	hypo	CG	-0.1167
Gm06	45288995	45289056	Gmdrm	hypo	CG	-0.7083
Gm06	45304691	45305477	Gmdrm	hypo	CG	-0.0346
Gm06	45321013	45321098	Gmdrm	hypo	CG	-0.6614
Gm06	45327564	45327631	Gmdrm	hypo	CG	-0.4112
Gm06	45328247	45328345	Gmdrm	hypo	CG	-0.61
Gm06	45328472	45328713	Gmdrm	hypo	CG	-0.2554
Gm06	45333505	45333633	Gmdrm	hypo	CG	-0.1473
Gm06	45337121	45337228	Gmdrm	hypo	CG	-0.105
Gm06	45388171	45388348	Gmdrm	hypo	CG	-0.524
Gm06	45391213	45391501	Gmdrm	hypo	CG	-0.03
Gm06	45392785	45392910	Gmdrm	hypo	CG	-0.3528
Gm06	45418007	45418175	Gmdrm	hypo	CG	-0.278
Gm06	45422653	45423155	Gmdrm	hypo	CG	-0.3658
Gm06	45423514	45423618	Gmdrm	hypo	CG	-0.048
Gm06	45444708	45444923	Gmdrm	hypo	CG	-0.38
Gm06	45445719	45445775	Gmdrm	hypo	CG	-0.815
Gm06	45447412	45447755	Gmdrm	hypo	CG	-0.4877
Gm06	45475594	45475719	Gmdrm	hypo	CG	-0.06
Gm06	45480257	45480344	Gmdrm	hypo	CG	-0.4367
Gm06	45485550	45485605	Gmdrm	hypo	CG	-0.2263
Gm06	45491427	45491525	Gmdrm	hypo	CG	-0.1129
Gm06	45508343	45508551	Gmdrm	hypo	CG	-0.56
Gm06	45510467	45510570	Gmdrm	hypo	CG	-0.9301
Gm06	45519094	45519921	Gmdrm	hypo	CG	-0.0423
Gm06	45526619	45526738	Gmdrm	hypo	CG	-0.0929
Gm06	45538453	45538799	Gmdrm	hypo	CG	-0.4615
Gm06	45550156	45550266	Gmdrm	hypo	CG	-0.8342
Gm06	45590377	45590623	Gmdrm	hypo	CG	-0.245
Gm06	45590905	45591018	Gmdrm	hypo	CG	-0.1817
Gm06	45604564	45604705	Gmdrm	hypo	CG	-0.244
Gm06	45626097	45626915	Gmdrm	hypo	CG	-0.0239

Gm06	45631255	45631412	Gmdrm	hypo	CG	-0.0625
Gm06	45638311	45638501	Gmdrm	hypo	CG	-0.418
Gm06	45643516	45643572	Gmdrm	hypo	CG	-0.8534
Gm06	45669187	45669334	Gmdrm	hypo	CG	-0.3322
Gm06	45702207	45702247	Gmdrm	hypo	CG	-0.785
Gm06	45711076	45711304	Gmdrm	hypo	CG	-0.6209
Gm06	45713879	45713988	Gmdrm	hypo	CG	-0.1406
Gm06	45721102	45721174	Gmdrm	hypo	CG	-0.6155
Gm06	45776392	45776812	Gmdrm	hypo	CG	-0.0575
Gm06	45781458	45781611	Gmdrm	hypo	CG	-0.2664
Gm06	45781846	45782197	Gmdrm	hypo	CG	-0.4058
Gm06	45801140	45801415	Gmdrm	hypo	CG	-0.2333
Gm06	45809699	45809776	Gmdrm	hypo	CG	-0.142
Gm06	45848574	45848670	Gmdrm	hypo	CG	-0.0376
Gm06	45895776	45895821	Gmdrm	hypo	CG	-0.7983
Gm06	45905312	45905527	Gmdrm	hypo	CG	-0.8879
Gm06	45951272	45951471	Gmdrm	hypo	CG	-0.9743
Gm06	45960228	45960337	Gmdrm	hypo	CG	-0.6562
Gm06	45960827	45960849	Gmdrm	hypo	CG	-0.8416
Gm06	45980016	45980351	Gmdrm	hypo	CG	-0.0465
Gm06	45983573	45983838	Gmdrm	hypo	CG	-0.0678
Gm06	45992122	45992241	Gmdrm	hypo	CG	-0.1737
Gm06	46012062	46012118	Gmdrm	hypo	CG	-0.9133
Gm06	46016371	46016560	Gmdrm	hypo	CG	-0.0617
Gm06	46026620	46026676	Gmdrm	hypo	CG	-0.8366
Gm06	46043415	46043520	Gmdrm	hypo	CG	-0.5125
Gm06	46044002	46044255	Gmdrm	hypo	CG	-0.5058
Gm06	46046740	46046883	Gmdrm	hypo	CG	-0.2186
Gm06	46048169	46048206	Gmdrm	hypo	CG	-0.41
Gm06	46090699	46090881	Gmdrm	hypo	CG	-0.4686
Gm06	46092955	46093746	Gmdrm	hypo	CG	-0.0374
Gm06	46137457	46137801	Gmdrm	hypo	CG	-0.0805
Gm06	46195461	46195534	Gmdrm	hypo	CG	-0.682
Gm06	46222319	46222420	Gmdrm	hypo	CG	-0.2767
Gm06	46230508	46230883	Gmdrm	hypo	CG	-0.3187
Gm06	46234525	46234847	Gmdrm	hypo	CG	-0.0357
Gm06	46235222	46235780	Gmdrm	hypo	CG	-0.3223
Gm06	46241953	46242239	Gmdrm	hypo	CG	-0.1423
Gm06	46242347	46242593	Gmdrm	hypo	CG	-0.0678
Gm06	46259770	46259878	Gmdrm	hypo	CG	-0.9233
Gm06	46260606	46260888	Gmdrm	hypo	CG	-0.5628
Gm06	46262711	46263373	Gmdrm	hypo	CG	-0.6933
Gm06	46266219	46266354	Gmdrm	hypo	CG	-0.6322
Gm06	46295426	46295512	Gmdrm	hypo	CG	-0.0413
Gm06	46299548	46299734	Gmdrm	hypo	CG	-0.7664
Gm06	46327003	46327109	Gmdrm	hypo	CG	-0.389

Gm06	46327301	46327535	Gmdrm	hypo	CG	-0.6764
Gm06	46332011	46332159	Gmdrm	hypo	CG	-0.093
Gm06	46339349	46339708	Gmdrm	hypo	CG	-0.09
Gm06	46348756	46348921	Gmdrm	hypo	CG	-0.0314
Gm06	46363900	46364201	Gmdrm	hypo	CG	-0.9229
Gm06	46367944	46368088	Gmdrm	hypo	CG	-0.6766
Gm06	46368207	46368272	Gmdrm	hypo	CG	-0.0914
Gm06	46378423	46378510	Gmdrm	hypo	CG	-0.2783
Gm06	46385375	46385508	Gmdrm	hypo	CG	-0.161
Gm06	46389732	46389807	Gmdrm	hypo	CG	-0.82
Gm06	46430277	46430436	Gmdrm	hypo	CG	-0.0793
Gm06	46430684	46430745	Gmdrm	hypo	CG	-0.3608
Gm06	46435106	46435471	Gmdrm	hypo	CG	-0.6314
Gm06	46438386	46438522	Gmdrm	hypo	CG	-0.2424
Gm06	46479157	46479243	Gmdrm	hypo	CG	-0.57
Gm06	46483538	46483863	Gmdrm	hypo	CG	-0.5075
Gm06	46486856	46486951	Gmdrm	hypo	CG	-0.5051
Gm06	46492368	46492628	Gmdrm	hypo	CG	-0.8943
Gm06	46492813	46492985	Gmdrm	hypo	CG	-0.569
Gm06	46496849	46496992	Gmdrm	hypo	CG	-0.56
Gm06	46497494	46497617	Gmdrm	hypo	CG	-0.73
Gm06	46497978	46498078	Gmdrm	hypo	CG	-0.112
Gm06	46501591	46501803	Gmdrm	hypo	CG	-0.929
Gm06	46525625	46525700	Gmdrm	hypo	CG	-0.9733
Gm06	46526498	46526703	Gmdrm	hypo	CG	-0.4607
Gm06	46527486	46527732	Gmdrm	hypo	CG	-0.5
Gm06	46553595	46553714	Gmdrm	hypo	CG	-0.92
Gm06	46554021	46554190	Gmdrm	hypo	CG	-0.8157
Gm06	46556333	46556488	Gmdrm	hypo	CG	-0.2917
Gm06	46593140	46593207	Gmdrm	hypo	CG	-0.3583
Gm06	46626633	46626856	Gmdrm	hypo	CG	-0.6427
Gm06	46627669	46627943	Gmdrm	hypo	CG	-0.5266
Gm06	46632092	46632185	Gmdrm	hypo	CG	-0.2388
Gm06	46714284	46714525	Gmdrm	hypo	CG	-0.5847
Gm06	46728990	46729081	Gmdrm	hypo	CG	-0.04
Gm06	46732789	46732897	Gmdrm	hypo	CG	-0.9
Gm06	46733170	46733296	Gmdrm	hypo	CG	-0.6413
Gm06	46745382	46745477	Gmdrm	hypo	CG	-0.8188
Gm06	46784002	46784057	Gmdrm	hypo	CG	-0.9213
Gm06	46796749	46796861	Gmdrm	hypo	CG	-0.0414
Gm06	46806787	46806859	Gmdrm	hypo	CG	-0.762
Gm06	46839522	46839586	Gmdrm	hypo	CG	-0.443
Gm06	46861193	46861491	Gmdrm	hypo	CG	-0.1514
Gm06	46887209	46887507	Gmdrm	hypo	CG	-0.0588
Gm06	46898684	46898837	Gmdrm	hypo	CG	-0.8218
Gm06	46900326	46900423	Gmdrm	hypo	CG	-0.6811

Gm06	46902814	46903167	Gmdrm	hypo	CG	-0.1105
Gm06	46903534	46903611	Gmdrm	hypo	CG	-0.0733
Gm06	46903808	46903990	Gmdrm	hypo	CG	-0.5024
Gm06	46909838	46910833	Gmdrm	hypo	CG	-0.0418
Gm06	46936513	46936637	Gmdrm	hypo	CG	-0.086
Gm06	46960925	46960953	Gmdrm	hypo	CG	-0.78
Gm06	46961637	46961987	Gmdrm	hypo	CG	-0.0708
Gm06	46974329	46974342	Gmdrm	hypo	CG	-0.0467
Gm06	47013864	47014791	Gmdrm	hypo	CG	-0.098
Gm06	47015284	47015654	Gmdrm	hypo	CG	-0.11
Gm06	47016415	47016506	Gmdrm	hypo	CG	-0.2283
Gm06	47016744	47016772	Gmdrm	hypo	CG	-0.3167
Gm06	47017342	47017609	Gmdrm	hypo	CG	-0.256
Gm06	47022413	47022484	Gmdrm	hypo	CG	-0.9275
Gm06	47028369	47028511	Gmdrm	hypo	CG	-0.77
Gm06	47059450	47059580	Gmdrm	hypo	CG	-0.0715
Gm06	47068048	47068220	Gmdrm	hypo	CG	-0.28
Gm06	47069896	47069978	Gmdrm	hypo	CG	-0.8967
Gm06	47090115	47090173	Gmdrm	hypo	CG	-0.565
Gm06	47123882	47124066	Gmdrm	hypo	CG	-0.777
Gm06	47133105	47133279	Gmdrm	hypo	CG	-0.0991
Gm06	47163886	47163979	Gmdrm	hypo	CG	-0.569
Gm06	47167502	47167804	Gmdrm	hypo	CG	-0.5621
Gm06	47169667	47169878	Gmdrm	hypo	CG	-0.1211
Gm06	47170366	47170473	Gmdrm	hypo	CG	-0.205
Gm06	47170579	47170924	Gmdrm	hypo	CG	-0.2479
Gm06	47173702	47173778	Gmdrm	hypo	CG	-0.765
Gm06	47174652	47174670	Gmdrm	hypo	CG	-0.9117
Gm06	47175210	47175369	Gmdrm	hypo	CG	-0.6217
Gm06	47175748	47175927	Gmdrm	hypo	CG	-0.8762
Gm06	47177745	47178455	Gmdrm	hypo	CG	-0.4148
Gm06	47178563	47178821	Gmdrm	hypo	CG	-0.8507
Gm06	47187518	47187967	Gmdrm	hypo	CG	-0.0347
Gm06	47204311	47204665	Gmdrm	hypo	CG	-0.8314
Gm06	47330281	47330377	Gmdrm	hypo	CG	-0.4633
Gm06	47330606	47330663	Gmdrm	hypo	CG	-0.405
Gm06	47331455	47331952	Gmdrm	hypo	CG	-0.5204
Gm06	47333064	47333485	Gmdrm	hypo	CG	-0.5035
Gm06	47341715	47341899	Gmdrm	hypo	CG	-0.7389
Gm06	47342157	47342462	Gmdrm	hypo	CG	-0.4306
Gm06	47377511	47377644	Gmdrm	hypo	CG	-0.45
Gm06	47384982	47385290	Gmdrm	hypo	CG	-0.7273
Gm06	47393489	47393591	Gmdrm	hypo	CG	-0.52
Gm06	47397310	47397468	Gmdrm	hypo	CG	-0.0973
Gm06	47410725	47410827	Gmdrm	hypo	CG	-0.1825
Gm06	47434715	47434782	Gmdrm	hypo	CG	-0.053

Gm06	47435904	47436120	Gmdrm	hypo	CG	-0.1362
Gm06	47436281	47436416	Gmdrm	hypo	CG	-0.129
Gm06	47447167	47447532	Gmdrm	hypo	CG	-0.6693
Gm06	47447922	47447959	Gmdrm	hypo	CG	-0.785
Gm06	47472668	47472911	Gmdrm	hypo	CG	-0.5428
Gm06	47476819	47476913	Gmdrm	hypo	CG	-0.9842
Gm06	47479504	47479716	Gmdrm	hypo	CG	-0.6343
Gm06	47482544	47483025	Gmdrm	hypo	CG	-0.9
Gm06	47483135	47483345	Gmdrm	hypo	CG	-0.5287
Gm06	47487295	47487759	Gmdrm	hypo	CG	-0.74
Gm06	47490941	47491073	Gmdrm	hypo	CG	-0.5784
Gm06	47494928	47495105	Gmdrm	hypo	CG	-0.798
Gm06	47495253	47495628	Gmdrm	hypo	CG	-0.6423
Gm06	47495976	47496084	Gmdrm	hypo	CG	-0.8993
Gm06	47496190	47496331	Gmdrm	hypo	CG	-0.9172
Gm06	47512366	47512492	Gmdrm	hypo	CG	-0.349
Gm06	47515240	47515388	Gmdrm	hypo	CG	-0.418
Gm06	47515616	47515740	Gmdrm	hypo	CG	-0.385
Gm06	47516616	47516787	Gmdrm	hypo	CG	-0.684
Gm06	47517704	47517854	Gmdrm	hypo	CG	-0.2867
Gm06	47534055	47534154	Gmdrm	hypo	CG	-0.8534
Gm06	47534314	47534586	Gmdrm	hypo	CG	-0.695
Gm06	47544611	47545151	Gmdrm	hypo	CG	-0.5193
Gm06	47553076	47553172	Gmdrm	hypo	CG	-0.58
Gm06	47567982	47568135	Gmdrm	hypo	CG	-0.1167
Gm06	47576316	47576491	Gmdrm	hypo	CG	-0.0367
Gm06	47577351	47577400	Gmdrm	hypo	CG	-0.9563
Gm06	47597526	47597644	Gmdrm	hypo	CG	-0.08
Gm06	47606051	47606318	Gmdrm	hypo	CG	-0.5866
Gm06	47606522	47606600	Gmdrm	hypo	CG	-0.1186
Gm06	47623873	47624166	Gmdrm	hypo	CG	-0.8114
Gm06	47685250	47685324	Gmdrm	hypo	CG	-0.5762
Gm06	47687014	47687048	Gmdrm	hypo	CG	-0.695
Gm06	47687343	47687414	Gmdrm	hypo	CG	-0.69
Gm06	47690986	47691347	Gmdrm	hypo	CG	-0.1595
Gm06	47697897	47698193	Gmdrm	hypo	CG	-0.5225
Gm06	47708322	47708392	Gmdrm	hypo	CG	-0.6966
Gm06	47713042	47713115	Gmdrm	hypo	CG	-0.6783
Gm06	47715220	47715460	Gmdrm	hypo	CG	-0.078
Gm06	47718889	47719007	Gmdrm	hypo	CG	-0.0845
Gm06	47720870	47720933	Gmdrm	hypo	CG	-0.14
Gm06	47727890	47727959	Gmdrm	hypo	CG	-0.445
Gm06	47761995	47762061	Gmdrm	hypo	CG	-0.9367
Gm06	47781190	47781611	Gmdrm	hypo	CG	-0.7658
Gm06	47796034	47796317	Gmdrm	hypo	CG	-0.517
Gm06	47797198	47797246	Gmdrm	hypo	CG	-0.9584

Gm06	47797388	47797582	Gmdrm	hypo	CG	-0.607
Gm06	47801274	47801520	Gmdrm	hypo	CG	-0.7719
Gm06	47820411	47820648	Gmdrm	hypo	CG	-0.5157
Gm06	47824863	47824910	Gmdrm	hypo	CG	-0.5367
Gm06	47833065	47833241	Gmdrm	hypo	CG	-0.0444
Gm06	47844887	47845152	Gmdrm	hypo	CG	-0.6807
Gm06	47851865	47851935	Gmdrm	hypo	CG	-0.248
Gm06	47854230	47854296	Gmdrm	hypo	CG	-0.0817
Gm06	47881845	47882010	Gmdrm	hypo	CG	-0.9142
Gm06	47883935	47884244	Gmdrm	hypo	CG	-0.6619
Gm06	47887534	47887635	Gmdrm	hypo	CG	-0.7562
Gm06	47887807	47887897	Gmdrm	hypo	CG	-0.8925
Gm06	47896793	47896861	Gmdrm	hypo	CG	-0.0637
Gm06	47898044	47898075	Gmdrm	hypo	CG	-0.7334
Gm06	47909796	47909897	Gmdrm	hypo	CG	-0.3787
Gm06	47912613	47912720	Gmdrm	hypo	CG	-0.7121
Gm06	47912822	47912850	Gmdrm	hypo	CG	-0.7833
Gm06	47939151	47939328	Gmdrm	hypo	CG	-0.2
Gm06	47939571	47939781	Gmdrm	hypo	CG	-0.2606
Gm06	47940011	47940110	Gmdrm	hypo	CG	-0.4883
Gm06	47956850	47956952	Gmdrm	hypo	CG	-0.595
Gm06	47957402	47957469	Gmdrm	hypo	CG	-0.5866
Gm06	47957618	47957791	Gmdrm	hypo	CG	-0.7864
Gm06	47959471	47959500	Gmdrm	hypo	CG	-0.965
Gm06	47993352	47993472	Gmdrm	hypo	CG	-0.825
Gm06	47993722	47993797	Gmdrm	hypo	CG	-0.8333
Gm06	47994107	47994244	Gmdrm	hypo	CG	-0.5415
Gm06	48016494	48016776	Gmdrm	hypo	CG	-0.84
Gm06	48024068	48024291	Gmdrm	hypo	CG	-0.4939
Gm06	48032140	48032171	Gmdrm	hypo	CG	-0.9817
Gm06	48056452	48056508	Gmdrm	hypo	CG	-0.863
Gm06	48066752	48067049	Gmdrm	hypo	CG	-0.4625
Gm06	48074680	48074880	Gmdrm	hypo	CG	-0.05
Gm06	48081056	48081299	Gmdrm	hypo	CG	-0.9192
Gm06	48081447	48081605	Gmdrm	hypo	CG	-0.895
Gm06	48081733	48081775	Gmdrm	hypo	CG	-0.4533
Gm06	48093721	48093821	Gmdrm	hypo	CG	-0.9286
Gm06	48181337	48181584	Gmdrm	hypo	CG	-0.8688
Gm06	48194674	48194869	Gmdrm	hypo	CG	-0.0372
Gm06	48257522	48257983	Gmdrm	hypo	CG	-0.2884
Gm06	48258094	48258211	Gmdrm	hypo	CG	-0.5092
Gm06	48260421	48260541	Gmdrm	hypo	CG	-0.8262
Gm06	48267921	48268041	Gmdrm	hypo	CG	-0.508
Gm06	48268423	48268639	Gmdrm	hypo	CG	-0.7089
Gm06	48269080	48269214	Gmdrm	hypo	CG	-0.2617
Gm06	48271933	48272188	Gmdrm	hypo	CG	-0.2545

Gm06	48273711	48274015 Gmdrm	hypo	CG	-0.9193
Gm06	48283121	48283330 Gmdrm	hypo	CG	-0.68
Gm06	48284070	48284180 Gmdrm	hypo	CG	-0.5049
Gm06	48285684	48285788 Gmdrm	hypo	CG	-0.7725
Gm06	48294549	48294621 Gmdrm	hypo	CG	-0.8267
Gm06	48300864	48301077 Gmdrm	hypo	CG	-0.4416
Gm06	48323506	48323691 Gmdrm	hypo	CG	-0.7187
Gm06	48324009	48324105 Gmdrm	hypo	CG	-0.5301
Gm06	48331936	48332142 Gmdrm	hypo	CG	-0.0709
Gm06	48332706	48332974 Gmdrm	hypo	CG	-0.8214
Gm06	48337964	48338389 Gmdrm	hypo	CG	-0.9187
Gm06	48339880	48340198 Gmdrm	hypo	CG	-0.5939
Gm06	48341494	48341576 Gmdrm	hypo	CG	-0.895
Gm06	48341702	48341718 Gmdrm	hypo	CG	-0.9434
Gm06	48342074	48342168 Gmdrm	hypo	CG	-0.8067
Gm06	48343213	48343411 Gmdrm	hypo	CG	-0.4557
Gm06	48370849	48370922 Gmdrm	hypo	CG	-0.074
Gm06	48373985	48374084 Gmdrm	hypo	CG	-0.6433
Gm06	48382977	48383382 Gmdrm	hypo	CG	-0.6738
Gm06	48419084	48419129 Gmdrm	hypo	CG	-0.6684
Gm06	48420758	48421025 Gmdrm	hypo	CG	-0.8378
Gm06	48435838	48436016 Gmdrm	hypo	CG	-0.793
Gm06	48436521	48436621 Gmdrm	hypo	CG	-0.925
Gm06	48438832	48439094 Gmdrm	hypo	CG	-0.743
Gm06	48460208	48460244 Gmdrm	hypo	CG	-0.6649
Gm06	48460805	48461029 Gmdrm	hypo	CG	-0.0338
Gm06	48470694	48470980 Gmdrm	hypo	CG	-0.8591
Gm06	48485335	48485664 Gmdrm	hypo	CG	-0.0392
Gm06	48524791	48524976 Gmdrm	hypo	CG	-0.5481
Gm06	48525322	48525365 Gmdrm	hypo	CG	-0.9625
Gm06	48537091	48537137 Gmdrm	hypo	CG	-0.671
Gm06	48545833	48546082 Gmdrm	hypo	CG	-0.3166
Gm06	48569787	48569970 Gmdrm	hypo	CG	-0.481
Gm06	48570229	48570353 Gmdrm	hypo	CG	-0.9925
Gm06	48570557	48570624 Gmdrm	hypo	CG	-0.835
Gm06	48572147	48572211 Gmdrm	hypo	CG	-0.7324
Gm06	48578803	48579040 Gmdrm	hypo	CG	-0.4545
Gm06	48583716	48583799 Gmdrm	hypo	CG	-0.0238
Gm06	48593839	48593920 Gmdrm	hypo	CG	-0.9816
Gm06	48617665	48617691 Gmdrm	hypo	CG	-0.1083
Gm06	48632106	48632465 Gmdrm	hypo	CG	-0.4593
Gm06	48655705	48655965 Gmdrm	hypo	CG	-0.2416
Gm06	48677228	48677296 Gmdrm	hypo	CG	-0.044
Gm06	48677702	48677788 Gmdrm	hypo	CG	-0.058
Gm06	48678387	48678550 Gmdrm	hypo	CG	-0.7716
Gm06	48678946	48679027 Gmdrm	hypo	CG	-0.25

Gm06	48685276	48685379	Gmdrm	hypo	CG	-0.76
Gm06	48701718	48701886	Gmdrm	hypo	CG	-0.744
Gm06	48705878	48706140	Gmdrm	hypo	CG	-0.0345
Gm06	48809280	48809746	Gmdrm	hypo	CG	-0.3839
Gm06	48810686	48810983	Gmdrm	hypo	CG	-0.9155
Gm06	48834243	48834447	Gmdrm	hypo	CG	-0.6229
Gm06	48898030	48898141	Gmdrm	hypo	CG	-0.23
Gm06	48913090	48913398	Gmdrm	hypo	CG	-0.0493
Gm06	48947354	48947585	Gmdrm	hypo	CG	-0.8534
Gm06	48948131	48948211	Gmdrm	hypo	CG	-0.595
Gm06	48948705	48948891	Gmdrm	hypo	CG	-0.335
Gm06	48957372	48957609	Gmdrm	hypo	CG	-0.6679
Gm06	48966816	48966922	Gmdrm	hypo	CG	-0.959
Gm06	48979891	48980235	Gmdrm	hypo	CG	-0.8925
Gm06	48980360	48980463	Gmdrm	hypo	CG	-0.8475
Gm06	48990179	48990320	Gmdrm	hypo	CG	-0.2883
Gm06	49022271	49022671	Gmdrm	hypo	CG	-0.0292
Gm06	49031655	49031975	Gmdrm	hypo	CG	-0.3605
Gm06	49032085	49032360	Gmdrm	hypo	CG	-0.5265
Gm06	49041921	49042261	Gmdrm	hypo	CG	-0.0572
Gm06	49043608	49043644	Gmdrm	hypo	CG	-0.56
Gm06	49059443	49059563	Gmdrm	hypo	CG	-0.6188
Gm06	49066659	49066799	Gmdrm	hypo	CG	-0.3414
Gm06	49091755	49091811	Gmdrm	hypo	CG	-0.698
Gm06	49109739	49109977	Gmdrm	hypo	CG	-0.5164
Gm06	49117876	49117981	Gmdrm	hypo	CG	-0.096
Gm06	49119780	49119962	Gmdrm	hypo	CG	-0.25
Gm06	49120235	49120974	Gmdrm	hypo	CG	-0.2646
Gm06	49155769	49155877	Gmdrm	hypo	CG	-0.735
Gm06	49161822	49161904	Gmdrm	hypo	CG	-0.925
Gm06	49178033	49178053	Gmdrm	hypo	CG	-0.9383
Gm06	49199911	49200467	Gmdrm	hypo	CG	-0.0372
Gm06	49217385	49217538	Gmdrm	hypo	CG	-0.038
Gm06	49229418	49229617	Gmdrm	hypo	CG	-0.1255
Gm06	49243441	49243485	Gmdrm	hypo	CG	-0.3
Gm06	49360065	49360105	Gmdrm	hypo	CG	-0.624
Gm06	49367372	49367431	Gmdrm	hypo	CG	-0.3883
Gm06	49377004	49377253	Gmdrm	hypo	CG	-0.8704
Gm06	49383161	49383202	Gmdrm	hypo	CG	-0.9366
Gm06	49383568	49383751	Gmdrm	hypo	CG	-0.4937
Gm06	49385201	49385210	Gmdrm	hypo	CG	-0.8216
Gm06	49406471	49406686	Gmdrm	hypo	CG	-0.8925
Gm06	49409671	49409701	Gmdrm	hypo	CG	-0.9067
Gm06	49412274	49412331	Gmdrm	hypo	CG	-0.778
Gm06	49452839	49452991	Gmdrm	hypo	CG	-0.464
Gm06	49455754	49456003	Gmdrm	hypo	CG	-0.5917

Gm06	49459742	49459991	Gmdrm	hypo	CG	-0.9182
Gm06	49469936	49470005	Gmdrm	hypo	CG	-0.8333
Gm06	49471416	49471586	Gmdrm	hypo	CG	-0.6689
Gm06	49501226	49501238	Gmdrm	hypo	CG	-0.6217
Gm06	49514914	49515058	Gmdrm	hypo	CG	-0.81
Gm06	49529974	49530160	Gmdrm	hypo	CG	-0.7043
Gm06	49535129	49535258	Gmdrm	hypo	CG	-0.335
Gm06	49554956	49555004	Gmdrm	hypo	CG	-0.4667
Gm06	49555610	49555674	Gmdrm	hypo	CG	-0.71
Gm06	49563784	49563880	Gmdrm	hypo	CG	-0.2367
Gm06	49588977	49589027	Gmdrm	hypo	CG	-0.725
Gm06	49598273	49598409	Gmdrm	hypo	CG	-0.6533
Gm06	49610503	49610624	Gmdrm	hypo	CG	-0.6775
Gm06	49627956	49628250	Gmdrm	hypo	CG	-0.5534
Gm06	49628492	49628652	Gmdrm	hypo	CG	-0.4725
Gm06	49667006	49667078	Gmdrm	hypo	CG	-0.55
Gm06	49712614	49712763	Gmdrm	hypo	CG	-0.9825
Gm06	49721627	49721684	Gmdrm	hypo	CG	-0.3872
Gm06	49721865	49721898	Gmdrm	hypo	CG	-0.3683
Gm06	49756062	49756175	Gmdrm	hypo	CG	-0.504
Gm06	49775201	49775251	Gmdrm	hypo	CG	-0.152
Gm06	49819925	49820513	Gmdrm	hypo	CG	-0.4896
Gm06	49821516	49821623	Gmdrm	hypo	CG	-0.939
Gm06	49822361	49822554	Gmdrm	hypo	CG	-0.9487
Gm06	49850875	49851004	Gmdrm	hypo	CG	-0.8634
Gm06	49851411	49851662	Gmdrm	hypo	CG	-0.85
Gm06	49854025	49854070	Gmdrm	hypo	CG	-0.4083
Gm06	49871579	49871636	Gmdrm	hypo	CG	-0.78
Gm06	49877548	49877806	Gmdrm	hypo	CG	-0.3
Gm06	49887216	49887322	Gmdrm	hypo	CG	-0.5873
Gm06	49916730	49917111	Gmdrm	hypo	CG	-0.747
Gm06	49947793	49947884	Gmdrm	hypo	CG	-0.89
Gm06	49950153	49950204	Gmdrm	hypo	CG	-0.18
Gm06	49950309	49950321	Gmdrm	hypo	CG	-0.2367
Gm06	49952060	49952243	Gmdrm	hypo	CG	-0.1583
Gm06	49971471	49971705	Gmdrm	hypo	CG	-0.0405
Gm06	49977848	49978137	Gmdrm	hypo	CG	-0.788
Gm06	49987561	49987763	Gmdrm	hypo	CG	-0.953
Gm06	49990512	49990566	Gmdrm	hypo	CG	-0.965
Gm06	49991888	49992081	Gmdrm	hypo	CG	-0.685
Gm06	49992245	49992430	Gmdrm	hypo	CG	-0.2845
Gm06	49993132	49993565	Gmdrm	hypo	CG	-0.6062
Gm06	50002593	50002615	Gmdrm	hypo	CG	-0.0633
Gm06	50029688	50030009	Gmdrm	hypo	CG	-0.2768
Gm06	50050670	50050881	Gmdrm	hypo	CG	-0.55
Gm06	50051001	50051188	Gmdrm	hypo	CG	-0.495

Gm06	50080436	50080643	Gmdrm	hypo	CG	-0.037
Gm06	50090133	50090196	Gmdrm	hypo	CG	-0.936
Gm06	50114166	50114346	Gmdrm	hypo	CG	-0.6142
Gm06	50116229	50116268	Gmdrm	hypo	CG	-0.9117
Gm06	50132634	50132778	Gmdrm	hypo	CG	-0.9712
Gm06	50134810	50135242	Gmdrm	hypo	CG	-0.0558
Gm06	50136234	50136512	Gmdrm	hypo	CG	-0.053
Gm06	50157830	50157843	Gmdrm	hypo	CG	-0.77
Gm06	50166003	50166093	Gmdrm	hypo	CG	-0.1871
Gm06	50179783	50179840	Gmdrm	hypo	CG	-0.7
Gm06	50181625	50181771	Gmdrm	hypo	CG	-0.1715
Gm06	50190385	50190516	Gmdrm	hypo	CG	-0.5433
Gm06	50195787	50195839	Gmdrm	hypo	CG	-0.6984
Gm06	50197300	50197484	Gmdrm	hypo	CG	-0.9062
Gm06	50198987	50199272	Gmdrm	hypo	CG	-0.6085
Gm06	50225333	50225475	Gmdrm	hypo	CG	-0.8067
Gm06	50235490	50235529	Gmdrm	hypo	CG	-0.7986
Gm06	50261728	50261824	Gmdrm	hypo	CG	-0.1184
Gm06	50268725	50268882	Gmdrm	hypo	CG	-0.032
Gm06	50312956	50313228	Gmdrm	hypo	CG	-0.0394
Gm06	50328659	50328681	Gmdrm	hypo	CG	-0.7417
Gm06	50329015	50329119	Gmdrm	hypo	CG	-0.905
Gm06	50347765	50347887	Gmdrm	hypo	CG	-0.6345
Gm06	50351619	50351953	Gmdrm	hypo	CG	-0.6024
Gm06	50355092	50355334	Gmdrm	hypo	CG	-0.6928
Gm06	50393576	50393680	Gmdrm	hypo	CG	-0.9586
Gm06	50403818	50403825	Gmdrm	hypo	CG	-0.385
Gm06	50428928	50429032	Gmdrm	hypo	CG	-0.642
Gm06	50458541	50458692	Gmdrm	hypo	CG	-0.505
Gm06	50459046	50459164	Gmdrm	hypo	CG	-0.695
Gm06	50460230	50460344	Gmdrm	hypo	CG	-0.116
Gm06	50463017	50463517	Gmdrm	hypo	CG	-0.0416
Gm06	50464548	50464622	Gmdrm	hypo	CG	-0.0887
Gm06	50478337	50478646	Gmdrm	hypo	CG	-0.5977
Gm06	50516393	50516508	Gmdrm	hypo	CG	-0.9184
Gm06	50547483	50547841	Gmdrm	hypo	CG	-0.3618
Gm06	50548062	50548145	Gmdrm	hypo	CG	-0.69
Gm06	50557911	50558015	Gmdrm	hypo	CG	-0.54
Gm06	50565976	50566098	Gmdrm	hypo	CG	-0.6601
Gm06	50657239	50657407	Gmdrm	hypo	CG	-0.579
Gm06	50657540	50657708	Gmdrm	hypo	CG	-0.406
Gm06	50696344	50696930	Gmdrm	hypo	CG	-0.2916
Gm06	50698940	50698985	Gmdrm	hypo	CG	-0.8867
Gm06	50727906	50728018	Gmdrm	hypo	CG	-0.8367
Gm06	50734321	50734466	Gmdrm	hypo	CG	-0.5412
Gm06	50747675	50747803	Gmdrm	hypo	CG	-0.674

Gm06	50752408	50752486	Gmdrm	hypo	CG	-0.214
Gm06	50752623	50752817	Gmdrm	hypo	CG	-0.7911
Gm06	50783722	50783837	Gmdrm	hypo	CG	-0.697
Gm06	50783995	50784254	Gmdrm	hypo	CG	-0.5492
Gm06	50785160	50785288	Gmdrm	hypo	CG	-0.1667
Gm06	50813541	50813666	Gmdrm	hypo	CG	-0.7424
Gm06	50816796	50817048	Gmdrm	hypo	CG	-0.0783
Gm06	50819811	50820103	Gmdrm	hypo	CG	-0.05
Gm06	50861992	50862252	Gmdrm	hypo	CG	-0.041
Gm06	50890606	50890796	Gmdrm	hypo	CG	-0.7675
Gm06	50891202	50891728	Gmdrm	hypo	CG	-0.3779
Gm06	50892026	50892289	Gmdrm	hypo	CG	-0.368
Gm06	50893173	50893642	Gmdrm	hypo	CG	-0.0232
Gm06	50922084	50922290	Gmdrm	hypo	CG	-0.1435
Gm06_scaffo	2666	3379	Gmdrm	hypo	CG	-0.2973
Gm06_scaffo	25608	25778	Gmdrm	hypo	CG	-0.044
Gm06_scaffo	9446	9621	Gmdrm	hypo	CG	-0.6012
Gm06_scaffo	11674	12477	Gmdrm	hypo	CG	-0.1463
Gm06_scaffo	27434	27530	Gmdrm	hypo	CG	-0.8883
Gm06_scaffo	27640	27756	Gmdrm	hypo	CG	-0.9792
Gm06_scaffo	2524	2618	Gmdrm	hypo	CG	-0.6417
Gm06_scaffo	2991	3007	Gmdrm	hypo	CG	-0.6634
Gm06_scaffo	3133	3215	Gmdrm	hypo	CG	-0.6083
Gm06_scaffo	3580	3856	Gmdrm	hypo	CG	-0.2428
Gm06_scaffo	3963	4114	Gmdrm	hypo	CG	-0.7333
Gm06_scaffo	4512	4704	Gmdrm	hypo	CG	-0.553
Gm06_scaffo	5602	5661	Gmdrm	hypo	CG	-0.9183
Gm06_scaffo	5765	6011	Gmdrm	hypo	CG	-0.94
Gm06_scaffo	9039	9238	Gmdrm	hypo	CG	-0.3687
Gm06_scaffo	9548	9815	Gmdrm	hypo	CG	-0.64
Gm06_scaffo	9932	10050	Gmdrm	hypo	CG	-0.5916
Gm06_scaffo	10286	10584	Gmdrm	hypo	CG	-0.5042
Gm06_scaffo	12449	12718	Gmdrm	hypo	CG	-0.6412
Gm06_scaffo	14208	14267	Gmdrm	hypo	CG	-0.565
Gm06_scaffo	14373	14661	Gmdrm	hypo	CG	-0.96
Gm06_scaffo	60484	61479	Gmdrm	hypo	CG	-0.0227
Gm06_scaffo	80698	81031	Gmdrm	hypo	CG	-0.11
Gm06_scaffo	106888	107077	Gmdrm	hypo	CG	-0.0456
Gm06_scaffo	5780	6019	Gmdrm	hypo	CG	-0.9583
Gm06_scaffo	47576	47722	Gmdrm	hypo	CG	-0.7467
Gm06_scaffo	65510	65846	Gmdrm	hypo	CG	-0.3148
Gm06_scaffo	72766	73134	Gmdrm	hypo	CG	-0.628
Gm07	38312	38475	Gmdrm	hypo	CG	-0.3292
Gm07	57461	57556	Gmdrm	hypo	CG	-0.0734
Gm07	63660	63705	Gmdrm	hypo	CG	-0.064
Gm07	80463	80652	Gmdrm	hypo	CG	-0.54

Gm07	87482	87637	Gmdrm	hypo	CG	-0.0489
Gm07	124276	124366	Gmdrm	hypo	CG	-0.175
Gm07	196257	196371	Gmdrm	hypo	CG	-0.39
Gm07	283386	283524	Gmdrm	hypo	CG	-0.56
Gm07	284103	284179	Gmdrm	hypo	CG	-0.13
Gm07	286107	286412	Gmdrm	hypo	CG	-0.8237
Gm07	306244	306334	Gmdrm	hypo	CG	-0.7088
Gm07	315166	315272	Gmdrm	hypo	CG	-0.03
Gm07	352586	352823	Gmdrm	hypo	CG	-0.145
Gm07	425201	425335	Gmdrm	hypo	CG	-0.04
Gm07	477149	477440	Gmdrm	hypo	CG	-0.3025
Gm07	482420	482580	Gmdrm	hypo	CG	-0.2708
Gm07	531146	531390	Gmdrm	hypo	CG	-0.2676
Gm07	536439	536566	Gmdrm	hypo	CG	-0.2974
Gm07	581304	581516	Gmdrm	hypo	CG	-0.4985
Gm07	581697	581743	Gmdrm	hypo	CG	-0.6513
Gm07	584486	584645	Gmdrm	hypo	CG	-0.0421
Gm07	599453	599529	Gmdrm	hypo	CG	-0.8733
Gm07	623716	623812	Gmdrm	hypo	CG	-0.8417
Gm07	626429	626622	Gmdrm	hypo	CG	-0.032
Gm07	631581	631689	Gmdrm	hypo	CG	-0.818
Gm07	632175	632421	Gmdrm	hypo	CG	-0.7623
Gm07	643780	643920	Gmdrm	hypo	CG	-0.062
Gm07	666659	666976	Gmdrm	hypo	CG	-0.7117
Gm07	667539	667727	Gmdrm	hypo	CG	-0.3413
Gm07	714703	715040	Gmdrm	hypo	CG	-0.4243
Gm07	715993	716231	Gmdrm	hypo	CG	-0.795
Gm07	725919	726041	Gmdrm	hypo	CG	-0.5783
Gm07	726511	726609	Gmdrm	hypo	CG	-0.9638
Gm07	770727	770878	Gmdrm	hypo	CG	-0.5312
Gm07	773977	774221	Gmdrm	hypo	CG	-0.9093
Gm07	774994	775134	Gmdrm	hypo	CG	-0.934
Gm07	783588	783881	Gmdrm	hypo	CG	-0.71
Gm07	829560	829699	Gmdrm	hypo	CG	-0.4807
Gm07	852528	852624	Gmdrm	hypo	CG	-0.885
Gm07	853577	853939	Gmdrm	hypo	CG	-0.0324
Gm07	854928	855253	Gmdrm	hypo	CG	-0.43
Gm07	874013	874230	Gmdrm	hypo	CG	-0.1275
Gm07	877737	877930	Gmdrm	hypo	CG	-0.3916
Gm07	878093	878498	Gmdrm	hypo	CG	-0.1408
Gm07	899371	899434	Gmdrm	hypo	CG	-0.36
Gm07	899543	899755	Gmdrm	hypo	CG	-0.448
Gm07	909374	909477	Gmdrm	hypo	CG	-0.921
Gm07	1017324	1017516	Gmdrm	hypo	CG	-0.4494
Gm07	1052605	1052687	Gmdrm	hypo	CG	-0.4667
Gm07	1073050	1073116	Gmdrm	hypo	CG	-0.6534

Gm07	1073631	1073751	Gmdrm	hypo	CG	-0.2644
Gm07	1088348	1088381	Gmdrm	hypo	CG	-0.24
Gm07	1142750	1142871	Gmdrm	hypo	CG	-0.885
Gm07	1143463	1143542	Gmdrm	hypo	CG	-0.82
Gm07	1144261	1144286	Gmdrm	hypo	CG	-0.55
Gm07	1144715	1144956	Gmdrm	hypo	CG	-0.8775
Gm07	1152718	1152861	Gmdrm	hypo	CG	-0.8556
Gm07	1186646	1186703	Gmdrm	hypo	CG	-0.6292
Gm07	1191279	1191471	Gmdrm	hypo	CG	-0.2746
Gm07	1194283	1194371	Gmdrm	hypo	CG	-0.1917
Gm07	1209678	1209767	Gmdrm	hypo	CG	-0.3667
Gm07	1218261	1218329	Gmdrm	hypo	CG	-0.064
Gm07	1225584	1225834	Gmdrm	hypo	CG	-0.0462
Gm07	1230867	1231058	Gmdrm	hypo	CG	-0.5057
Gm07	1239708	1239771	Gmdrm	hypo	CG	-0.2733
Gm07	1240006	1240193	Gmdrm	hypo	CG	-0.4169
Gm07	1242979	1243160	Gmdrm	hypo	CG	-0.344
Gm07	1253767	1253826	Gmdrm	hypo	CG	-0.41
Gm07	1276381	1276682	Gmdrm	hypo	CG	-0.7833
Gm07	1284945	1285188	Gmdrm	hypo	CG	-0.0762
Gm07	1286304	1286477	Gmdrm	hypo	CG	-0.0883
Gm07	1286637	1286766	Gmdrm	hypo	CG	-0.8083
Gm07	1297418	1297485	Gmdrm	hypo	CG	-0.73
Gm07	1302265	1302334	Gmdrm	hypo	CG	-0.3125
Gm07	1316778	1316899	Gmdrm	hypo	CG	-0.6
Gm07	1324791	1324896	Gmdrm	hypo	CG	-0.4017
Gm07	1358917	1358954	Gmdrm	hypo	CG	-0.17
Gm07	1365088	1365209	Gmdrm	hypo	CG	-0.162
Gm07	1370058	1370155	Gmdrm	hypo	CG	-0.9287
Gm07	1405693	1406169	Gmdrm	hypo	CG	-0.2824
Gm07	1416416	1416652	Gmdrm	hypo	CG	-0.5792
Gm07	1423593	1423725	Gmdrm	hypo	CG	-0.088
Gm07	1449634	1449828	Gmdrm	hypo	CG	-0.64
Gm07	1449961	1450267	Gmdrm	hypo	CG	-0.599
Gm07	1450446	1450545	Gmdrm	hypo	CG	-0.9462
Gm07	1479732	1479875	Gmdrm	hypo	CG	-0.889
Gm07	1567806	1568040	Gmdrm	hypo	CG	-0.6375
Gm07	1568157	1568302	Gmdrm	hypo	CG	-0.2167
Gm07	1589993	1590216	Gmdrm	hypo	CG	-0.8995
Gm07	1643391	1643418	Gmdrm	hypo	CG	-0.75
Gm07	1712113	1712204	Gmdrm	hypo	CG	-0.459
Gm07	1720662	1720857	Gmdrm	hypo	CG	-0.83
Gm07	1756303	1756426	Gmdrm	hypo	CG	-0.8437
Gm07	1756575	1756672	Gmdrm	hypo	CG	-0.1975
Gm07	1765878	1766123	Gmdrm	hypo	CG	-0.1723
Gm07	1773796	1774092	Gmdrm	hypo	CG	-0.0567

Gm07	1783323	1783441 Gmdrm	hypo	CG	-0.245
Gm07	1793229	1793451 Gmdrm	hypo	CG	-0.2053
Gm07	1813643	1813724 Gmdrm	hypo	CG	-0.024
Gm07	1854977	1855002 Gmdrm	hypo	CG	-0.0783
Gm07	1867503	1867881 Gmdrm	hypo	CG	-0.6693
Gm07	1872433	1872505 Gmdrm	hypo	CG	-0.3584
Gm07	1873038	1873270 Gmdrm	hypo	CG	-0.268
Gm07	1883865	1884133 Gmdrm	hypo	CG	-0.7666
Gm07	1891834	1892106 Gmdrm	hypo	CG	-0.7487
Gm07	1892442	1892684 Gmdrm	hypo	CG	-0.8436
Gm07	1895708	1895765 Gmdrm	hypo	CG	-0.2317
Gm07	1899576	1899744 Gmdrm	hypo	CG	-0.9688
Gm07	1903661	1904065 Gmdrm	hypo	CG	-0.6433
Gm07	1906074	1906179 Gmdrm	hypo	CG	-0.4783
Gm07	1913891	1913998 Gmdrm	hypo	CG	-0.924
Gm07	1914111	1914200 Gmdrm	hypo	CG	-0.826
Gm07	1918558	1918692 Gmdrm	hypo	CG	-0.4567
Gm07	1918810	1919195 Gmdrm	hypo	CG	-0.6364
Gm07	1923254	1923402 Gmdrm	hypo	CG	-0.8859
Gm07	1930093	1930216 Gmdrm	hypo	CG	-0.977
Gm07	1937094	1937254 Gmdrm	hypo	CG	-0.85
Gm07	1943168	1943244 Gmdrm	hypo	CG	-0.0775
Gm07	1950486	1950575 Gmdrm	hypo	CG	-0.855
Gm07	1970268	1970614 Gmdrm	hypo	CG	-0.4353
Gm07	1982457	1982731 Gmdrm	hypo	CG	-0.9133
Gm07	1987255	1987271 Gmdrm	hypo	CG	-0.398
Gm07	1995108	1995384 Gmdrm	hypo	CG	-0.0679
Gm07	2027527	2027670 Gmdrm	hypo	CG	-0.565
Gm07	2047945	2048102 Gmdrm	hypo	CG	-0.1125
Gm07	2066636	2066704 Gmdrm	hypo	CG	-0.797
Gm07	2069964	2070389 Gmdrm	hypo	CG	-0.8734
Gm07	2071255	2071543 Gmdrm	hypo	CG	-0.5683
Gm07	2076828	2077135 Gmdrm	hypo	CG	-0.6987
Gm07	2077441	2077628 Gmdrm	hypo	CG	-0.0694
Gm07	2077751	2078085 Gmdrm	hypo	CG	-0.0584
Gm07	2088520	2088628 Gmdrm	hypo	CG	-0.66
Gm07	2089092	2089398 Gmdrm	hypo	CG	-0.8417
Gm07	2095430	2095679 Gmdrm	hypo	CG	-0.4975
Gm07	2114367	2114609 Gmdrm	hypo	CG	-0.8314
Gm07	2115105	2115218 Gmdrm	hypo	CG	-0.9688
Gm07	2118803	2119115 Gmdrm	hypo	CG	-0.4489
Gm07	2120918	2120982 Gmdrm	hypo	CG	-0.4712
Gm07	2124185	2124379 Gmdrm	hypo	CG	-0.0567
Gm07	2128631	2128769 Gmdrm	hypo	CG	-0.9436
Gm07	2139317	2139503 Gmdrm	hypo	CG	-0.5416
Gm07	2139811	2139897 Gmdrm	hypo	CG	-0.1974

Gm07	2158075	2158239	Gmdrm	hypo	CG	-0.06
Gm07	2196484	2196990	Gmdrm	hypo	CG	-0.3825
Gm07	2237661	2237904	Gmdrm	hypo	CG	-0.8407
Gm07	2240147	2240248	Gmdrm	hypo	CG	-0.9858
Gm07	2256198	2256215	Gmdrm	hypo	CG	-0.455
Gm07	2258592	2258734	Gmdrm	hypo	CG	-0.4788
Gm07	2267830	2267945	Gmdrm	hypo	CG	-0.5134
Gm07	2378683	2378822	Gmdrm	hypo	CG	-0.9275
Gm07	2383198	2383271	Gmdrm	hypo	CG	-0.1121
Gm07	2393288	2393380	Gmdrm	hypo	CG	-0.64
Gm07	2395356	2395389	Gmdrm	hypo	CG	-0.1717
Gm07	2411349	2411426	Gmdrm	hypo	CG	-0.665
Gm07	2452664	2452758	Gmdrm	hypo	CG	-0.5615
Gm07	2478821	2478936	Gmdrm	hypo	CG	-0.835
Gm07	2483139	2483203	Gmdrm	hypo	CG	-0.6433
Gm07	2486109	2486312	Gmdrm	hypo	CG	-0.776
Gm07	2488819	2489013	Gmdrm	hypo	CG	-0.5313
Gm07	2489553	2489746	Gmdrm	hypo	CG	-0.6942
Gm07	2538015	2538277	Gmdrm	hypo	CG	-0.1962
Gm07	2582360	2582473	Gmdrm	hypo	CG	-0.82
Gm07	2582850	2583104	Gmdrm	hypo	CG	-0.4907
Gm07	2595090	2595193	Gmdrm	hypo	CG	-0.6433
Gm07	2614822	2614955	Gmdrm	hypo	CG	-0.7454
Gm07	2649049	2649077	Gmdrm	hypo	CG	-0.0543
Gm07	2652135	2652407	Gmdrm	hypo	CG	-0.843
Gm07	2662205	2662287	Gmdrm	hypo	CG	-0.7517
Gm07	2681998	2682144	Gmdrm	hypo	CG	-0.4812
Gm07	2689769	2689804	Gmdrm	hypo	CG	-0.8766
Gm07	2698300	2698357	Gmdrm	hypo	CG	-0.6283
Gm07	2698581	2698656	Gmdrm	hypo	CG	-0.7933
Gm07	2702685	2702924	Gmdrm	hypo	CG	-0.1704
Gm07	2715117	2715217	Gmdrm	hypo	CG	-0.9666
Gm07	2723730	2724111	Gmdrm	hypo	CG	-0.6844
Gm07	2731693	2731806	Gmdrm	hypo	CG	-0.3589
Gm07	2731930	2732050	Gmdrm	hypo	CG	-0.5091
Gm07	2735068	2735257	Gmdrm	hypo	CG	-0.0443
Gm07	2774291	2774360	Gmdrm	hypo	CG	-0.9425
Gm07	2791234	2791309	Gmdrm	hypo	CG	-0.6163
Gm07	2802936	2803163	Gmdrm	hypo	CG	-0.1958
Gm07	2853239	2853328	Gmdrm	hypo	CG	-0.068
Gm07	2872712	2872843	Gmdrm	hypo	CG	-0.0675
Gm07	2895294	2895696	Gmdrm	hypo	CG	-0.4405
Gm07	2896026	2896283	Gmdrm	hypo	CG	-0.4022
Gm07	2896414	2896444	Gmdrm	hypo	CG	-0.4434
Gm07	2896960	2897175	Gmdrm	hypo	CG	-0.2756
Gm07	2911988	2912121	Gmdrm	hypo	CG	-0.5583

Gm07	2914052	2914085 Gmdrm	hypo	CG	-0.302
Gm07	2939539	2939624 Gmdrm	hypo	CG	-0.1416
Gm07	2952495	2952577 Gmdrm	hypo	CG	-0.9444
Gm07	2952864	2953004 Gmdrm	hypo	CG	-0.733
Gm07	2971181	2971290 Gmdrm	hypo	CG	-0.9337
Gm07	3011808	3011985 Gmdrm	hypo	CG	-0.616
Gm07	3030915	3031195 Gmdrm	hypo	CG	-0.783
Gm07	3040129	3040363 Gmdrm	hypo	CG	-0.7686
Gm07	3040470	3040636 Gmdrm	hypo	CG	-0.5718
Gm07	3054808	3054841 Gmdrm	hypo	CG	-0.7584
Gm07	3087049	3087397 Gmdrm	hypo	CG	-0.6883
Gm07	3087633	3087835 Gmdrm	hypo	CG	-0.5295
Gm07	3092071	3092195 Gmdrm	hypo	CG	-0.815
Gm07	3128809	3128935 Gmdrm	hypo	CG	-0.3975
Gm07	3130267	3130609 Gmdrm	hypo	CG	-0.0385
Gm07	3149661	3149780 Gmdrm	hypo	CG	-0.8487
Gm07	3153373	3153456 Gmdrm	hypo	CG	-0.8
Gm07	3169923	3170189 Gmdrm	hypo	CG	-0.2057
Gm07	3183463	3183649 Gmdrm	hypo	CG	-0.7845
Gm07	3197551	3198158 Gmdrm	hypo	CG	-0.8215
Gm07	3217754	3217939 Gmdrm	hypo	CG	-0.565
Gm07	3221630	3221818 Gmdrm	hypo	CG	-0.7922
Gm07	3221919	3222011 Gmdrm	hypo	CG	-0.5338
Gm07	3222344	3222542 Gmdrm	hypo	CG	-0.1887
Gm07	3223981	3224031 Gmdrm	hypo	CG	-0.5883
Gm07	3230115	3230347 Gmdrm	hypo	CG	-0.5853
Gm07	3252771	3252940 Gmdrm	hypo	CG	-0.74
Gm07	3260669	3260781 Gmdrm	hypo	CG	-0.8422
Gm07	3274155	3274259 Gmdrm	hypo	CG	-0.665
Gm07	3281661	3281679 Gmdrm	hypo	CG	-0.0767
Gm07	3289638	3289713 Gmdrm	hypo	CG	-0.052
Gm07	3317120	3317181 Gmdrm	hypo	CG	-0.3513
Gm07	3338460	3338481 Gmdrm	hypo	CG	-0.495
Gm07	3338593	3338733 Gmdrm	hypo	CG	-0.345
Gm07	3338867	3338901 Gmdrm	hypo	CG	-0.5883
Gm07	3339159	3339217 Gmdrm	hypo	CG	-0.8238
Gm07	3339811	3339887 Gmdrm	hypo	CG	-0.736
Gm07	3340135	3340365 Gmdrm	hypo	CG	-0.555
Gm07	3368726	3368834 Gmdrm	hypo	CG	-0.9161
Gm07	3369240	3369530 Gmdrm	hypo	CG	-0.2196
Gm07	3414814	3415226 Gmdrm	hypo	CG	-0.9522
Gm07	3418513	3418629 Gmdrm	hypo	CG	-0.032
Gm07	3418928	3419096 Gmdrm	hypo	CG	-0.6733
Gm07	3428237	3428351 Gmdrm	hypo	CG	-0.951
Gm07	3428976	3429087 Gmdrm	hypo	CG	-0.5967
Gm07	3430202	3430424 Gmdrm	hypo	CG	-0.0786

Gm07	3431163	3431214	Gmdrm	hypo	CG	-0.6284
Gm07	3441261	3441403	Gmdrm	hypo	CG	-0.767
Gm07	3457909	3457983	Gmdrm	hypo	CG	-0.9213
Gm07	3460763	3460901	Gmdrm	hypo	CG	-0.6851
Gm07	3461086	3461193	Gmdrm	hypo	CG	-0.6386
Gm07	3473066	3473159	Gmdrm	hypo	CG	-0.555
Gm07	3473348	3473704	Gmdrm	hypo	CG	-0.9228
Gm07	3493099	3493175	Gmdrm	hypo	CG	-0.124
Gm07	3518107	3518464	Gmdrm	hypo	CG	-0.4912
Gm07	3527794	3528024	Gmdrm	hypo	CG	-0.942
Gm07	3528557	3528603	Gmdrm	hypo	CG	-0.8534
Gm07	3532841	3532925	Gmdrm	hypo	CG	-0.5933
Gm07	3537696	3537757	Gmdrm	hypo	CG	-0.6816
Gm07	3567563	3567723	Gmdrm	hypo	CG	-0.585
Gm07	3586247	3586406	Gmdrm	hypo	CG	-0.381
Gm07	3616866	3617019	Gmdrm	hypo	CG	-0.914
Gm07	3617403	3617605	Gmdrm	hypo	CG	-0.162
Gm07	3621088	3621287	Gmdrm	hypo	CG	-0.6366
Gm07	3621449	3621592	Gmdrm	hypo	CG	-0.3257
Gm07	3637625	3637750	Gmdrm	hypo	CG	-0.21
Gm07	3639418	3639520	Gmdrm	hypo	CG	-0.6237
Gm07	3645238	3645453	Gmdrm	hypo	CG	-0.26
Gm07	3648860	3649023	Gmdrm	hypo	CG	-0.71
Gm07	3649158	3649200	Gmdrm	hypo	CG	-0.1033
Gm07	3656553	3656655	Gmdrm	hypo	CG	-0.7567
Gm07	3676201	3676499	Gmdrm	hypo	CG	-0.8127
Gm07	3686973	3687363	Gmdrm	hypo	CG	-0.6328
Gm07	3687474	3687894	Gmdrm	hypo	CG	-0.17
Gm07	3688626	3688875	Gmdrm	hypo	CG	-0.704
Gm07	3721270	3721404	Gmdrm	hypo	CG	-0.7184
Gm07	3741843	3742311	Gmdrm	hypo	CG	-0.1328
Gm07	3752784	3752890	Gmdrm	hypo	CG	-0.7037
Gm07	3757952	3758578	Gmdrm	hypo	CG	-0.0358
Gm07	3766730	3767334	Gmdrm	hypo	CG	-0.3985
Gm07	3773237	3773289	Gmdrm	hypo	CG	-0.495
Gm07	3802349	3802470	Gmdrm	hypo	CG	-0.67
Gm07	3812075	3812259	Gmdrm	hypo	CG	-0.485
Gm07	3812367	3812432	Gmdrm	hypo	CG	-0.8433
Gm07	3812578	3812734	Gmdrm	hypo	CG	-0.361
Gm07	3833328	3833613	Gmdrm	hypo	CG	-0.8294
Gm07	3843059	3843465	Gmdrm	hypo	CG	-0.4583
Gm07	3848815	3848873	Gmdrm	hypo	CG	-0.972
Gm07	3919037	3919068	Gmdrm	hypo	CG	-0.8367
Gm07	3919347	3919396	Gmdrm	hypo	CG	-0.5834
Gm07	3942658	3943352	Gmdrm	hypo	CG	-0.7157
Gm07	3946040	3946193	Gmdrm	hypo	CG	-0.686

Gm07	3963208	3963261 Gmdrm	hypo	CG	-0.096
Gm07	3973934	3974166 Gmdrm	hypo	CG	-0.038
Gm07	4002629	4002756 Gmdrm	hypo	CG	-0.5138
Gm07	4014543	4014595 Gmdrm	hypo	CG	-0.2816
Gm07	4015559	4015692 Gmdrm	hypo	CG	-0.6574
Gm07	4020768	4020937 Gmdrm	hypo	CG	-0.036
Gm07	4026554	4026890 Gmdrm	hypo	CG	-0.6122
Gm07	4027232	4027426 Gmdrm	hypo	CG	-0.3754
Gm07	4027846	4027943 Gmdrm	hypo	CG	-0.1013
Gm07	4031407	4031490 Gmdrm	hypo	CG	-0.94
Gm07	4042319	4042592 Gmdrm	hypo	CG	-0.7369
Gm07	4044819	4044977 Gmdrm	hypo	CG	-0.0467
Gm07	4106671	4106733 Gmdrm	hypo	CG	-0.076
Gm07	4110769	4111020 Gmdrm	hypo	CG	-0.925
Gm07	4123963	4124079 Gmdrm	hypo	CG	-0.7475
Gm07	4125142	4125158 Gmdrm	hypo	CG	-0.872
Gm07	4125600	4125764 Gmdrm	hypo	CG	-0.915
Gm07	4139491	4139561 Gmdrm	hypo	CG	-0.8883
Gm07	4144657	4144963 Gmdrm	hypo	CG	-0.4442
Gm07	4170063	4170148 Gmdrm	hypo	CG	-0.881
Gm07	4208788	4209007 Gmdrm	hypo	CG	-0.079
Gm07	4218284	4218426 Gmdrm	hypo	CG	-0.2544
Gm07	4232212	4232325 Gmdrm	hypo	CG	-0.505
Gm07	4278170	4278285 Gmdrm	hypo	CG	-0.3106
Gm07	4283408	4283792 Gmdrm	hypo	CG	-0.818
Gm07	4328269	4328378 Gmdrm	hypo	CG	-0.385
Gm07	4330583	4330771 Gmdrm	hypo	CG	-0.9346
Gm07	4342349	4342472 Gmdrm	hypo	CG	-0.036
Gm07	4377040	4377089 Gmdrm	hypo	CG	-0.7733
Gm07	4399177	4399552 Gmdrm	hypo	CG	-0.4394
Gm07	4415387	4415466 Gmdrm	hypo	CG	-0.1862
Gm07	4418026	4418368 Gmdrm	hypo	CG	-0.7059
Gm07	4418504	4418622 Gmdrm	hypo	CG	-0.152
Gm07	4442271	4442347 Gmdrm	hypo	CG	-0.782
Gm07	4445839	4445899 Gmdrm	hypo	CG	-0.42
Gm07	4447239	4447344 Gmdrm	hypo	CG	-0.0286
Gm07	4461995	4462059 Gmdrm	hypo	CG	-0.82
Gm07	4464323	4464940 Gmdrm	hypo	CG	-0.8489
Gm07	4468994	4469012 Gmdrm	hypo	CG	-0.9234
Gm07	4500372	4500440 Gmdrm	hypo	CG	-0.925
Gm07	4522891	4522990 Gmdrm	hypo	CG	-0.9467
Gm07	4527883	4528050 Gmdrm	hypo	CG	-0.3428
Gm07	4570112	4570231 Gmdrm	hypo	CG	-0.7887
Gm07	4582236	4582357 Gmdrm	hypo	CG	-0.925
Gm07	4586639	4586774 Gmdrm	hypo	CG	-0.345
Gm07	4587222	4587380 Gmdrm	hypo	CG	-0.4215

Gm07	4603240	4603462	Gmdrm	hypo	CG	-0.903
Gm07	4626736	4627069	Gmdrm	hypo	CG	-0.8184
Gm07	4632755	4632786	Gmdrm	hypo	CG	-0.798
Gm07	4636964	4637094	Gmdrm	hypo	CG	-0.8678
Gm07	4692574	4692830	Gmdrm	hypo	CG	-0.127
Gm07	4694700	4694950	Gmdrm	hypo	CG	-0.41
Gm07	4719112	4719431	Gmdrm	hypo	CG	-0.1779
Gm07	4724592	4724801	Gmdrm	hypo	CG	-0.9708
Gm07	4726946	4727055	Gmdrm	hypo	CG	-0.302
Gm07	4730219	4730328	Gmdrm	hypo	CG	-0.288
Gm07	4737940	4737987	Gmdrm	hypo	CG	-0.9333
Gm07	4740875	4740960	Gmdrm	hypo	CG	-0.5537
Gm07	4744801	4744855	Gmdrm	hypo	CG	-0.1133
Gm07	4745086	4745596	Gmdrm	hypo	CG	-0.5984
Gm07	4774988	4775117	Gmdrm	hypo	CG	-0.2493
Gm07	4779435	4779679	Gmdrm	hypo	CG	-0.7889
Gm07	4780073	4780250	Gmdrm	hypo	CG	-0.9267
Gm07	4785206	4785306	Gmdrm	hypo	CG	-0.4091
Gm07	4825848	4826029	Gmdrm	hypo	CG	-0.7036
Gm07	4829345	4829550	Gmdrm	hypo	CG	-0.7656
Gm07	4888925	4888963	Gmdrm	hypo	CG	-0.96
Gm07	4889079	4889211	Gmdrm	hypo	CG	-0.9933
Gm07	4895356	4895411	Gmdrm	hypo	CG	-0.6083
Gm07	4921988	4922192	Gmdrm	hypo	CG	-0.6619
Gm07	4952524	4952924	Gmdrm	hypo	CG	-0.1254
Gm07	4966688	4966803	Gmdrm	hypo	CG	-0.8517
Gm07	4980041	4980174	Gmdrm	hypo	CG	-0.9457
Gm07	5011944	5012118	Gmdrm	hypo	CG	-0.3271
Gm07	5026986	5027140	Gmdrm	hypo	CG	-0.5456
Gm07	5029037	5029145	Gmdrm	hypo	CG	-0.6167
Gm07	5034753	5034778	Gmdrm	hypo	CG	-0.675
Gm07	5047661	5047704	Gmdrm	hypo	CG	-0.3884
Gm07	5047987	5048112	Gmdrm	hypo	CG	-0.1233
Gm07	5050858	5051107	Gmdrm	hypo	CG	-0.5012
Gm07	5127216	5127512	Gmdrm	hypo	CG	-0.8843
Gm07	5127656	5127755	Gmdrm	hypo	CG	-0.5884
Gm07	5139128	5139584	Gmdrm	hypo	CG	-0.2684
Gm07	5168275	5168464	Gmdrm	hypo	CG	-0.6873
Gm07	5169040	5169271	Gmdrm	hypo	CG	-0.3537
Gm07	5176159	5176321	Gmdrm	hypo	CG	-0.8943
Gm07	5176622	5176679	Gmdrm	hypo	CG	-0.675
Gm07	5190171	5190284	Gmdrm	hypo	CG	-0.05
Gm07	5224118	5224174	Gmdrm	hypo	CG	-0.7624
Gm07	5224731	5224816	Gmdrm	hypo	CG	-0.6585
Gm07	5236701	5236832	Gmdrm	hypo	CG	-0.1206
Gm07	5247982	5248235	Gmdrm	hypo	CG	-0.1172

Gm07	5249928	5250072	Gmdrm	hypo	CG	-0.901
Gm07	5260290	5260496	Gmdrm	hypo	CG	-0.0417
Gm07	5276317	5276386	Gmdrm	hypo	CG	-0.8383
Gm07	5278533	5278772	Gmdrm	hypo	CG	-0.6072
Gm07	5285800	5285945	Gmdrm	hypo	CG	-0.9025
Gm07	5305478	5305624	Gmdrm	hypo	CG	-0.0437
Gm07	5323515	5324020	Gmdrm	hypo	CG	-0.3695
Gm07	5324121	5324146	Gmdrm	hypo	CG	-0.355
Gm07	5341240	5341317	Gmdrm	hypo	CG	-0.7183
Gm07	5373626	5373734	Gmdrm	hypo	CG	-0.8417
Gm07	5389759	5389923	Gmdrm	hypo	CG	-0.9728
Gm07	5398075	5398236	Gmdrm	hypo	CG	-0.6636
Gm07	5398882	5398947	Gmdrm	hypo	CG	-0.7617
Gm07	5422078	5422497	Gmdrm	hypo	CG	-0.0312
Gm07	5428600	5428747	Gmdrm	hypo	CG	-0.7783
Gm07	5431361	5431534	Gmdrm	hypo	CG	-0.0183
Gm07	5439851	5440229	Gmdrm	hypo	CG	-0.029
Gm07	5442120	5442332	Gmdrm	hypo	CG	-0.83
Gm07	5533666	5533914	Gmdrm	hypo	CG	-0.6305
Gm07	5534101	5534430	Gmdrm	hypo	CG	-0.2929
Gm07	5534629	5534860	Gmdrm	hypo	CG	-0.8148
Gm07	5539585	5539755	Gmdrm	hypo	CG	-0.4212
Gm07	5588346	5588526	Gmdrm	hypo	CG	-0.7443
Gm07	5589562	5589639	Gmdrm	hypo	CG	-0.7363
Gm07	5631198	5631728	Gmdrm	hypo	CG	-0.0524
Gm07	5637702	5637885	Gmdrm	hypo	CG	-0.055
Gm07	5638820	5639172	Gmdrm	hypo	CG	-0.5605
Gm07	5653899	5653978	Gmdrm	hypo	CG	-0.088
Gm07	5662698	5662776	Gmdrm	hypo	CG	-0.89
Gm07	5671949	5672096	Gmdrm	hypo	CG	-0.7814
Gm07	5688682	5688756	Gmdrm	hypo	CG	-0.3762
Gm07	5706717	5707275	Gmdrm	hypo	CG	-0.3225
Gm07	5753782	5753960	Gmdrm	hypo	CG	-0.3459
Gm07	5761146	5761276	Gmdrm	hypo	CG	-0.4662
Gm07	5761381	5761530	Gmdrm	hypo	CG	-0.7963
Gm07	5767315	5767399	Gmdrm	hypo	CG	-0.684
Gm07	5768264	5768423	Gmdrm	hypo	CG	-0.032
Gm07	5771599	5771952	Gmdrm	hypo	CG	-0.1603
Gm07	5843537	5843637	Gmdrm	hypo	CG	-0.3029
Gm07	5844018	5844170	Gmdrm	hypo	CG	-0.4314
Gm07	5889953	5890176	Gmdrm	hypo	CG	-0.9595
Gm07	5905960	5906137	Gmdrm	hypo	CG	-0.8993
Gm07	5911494	5911566	Gmdrm	hypo	CG	-0.1138
Gm07	5920384	5920506	Gmdrm	hypo	CG	-0.2925
Gm07	5945682	5945782	Gmdrm	hypo	CG	-0.4087
Gm07	5952317	5952353	Gmdrm	hypo	CG	-0.6225

Gm07	5967236	5967319 Gmdrm	hypo	CG	-0.8316
Gm07	5973192	5973384 Gmdrm	hypo	CG	-0.3803
Gm07	5996427	5996535 Gmdrm	hypo	CG	-0.1275
Gm07	6000083	6000140 Gmdrm	hypo	CG	-0.1117
Gm07	6006048	6006266 Gmdrm	hypo	CG	-0.7967
Gm07	6006487	6006589 Gmdrm	hypo	CG	-0.9024
Gm07	6012603	6013249 Gmdrm	hypo	CG	-0.0331
Gm07	6013381	6013518 Gmdrm	hypo	CG	-0.382
Gm07	6013807	6013964 Gmdrm	hypo	CG	-0.177
Gm07	6014481	6014691 Gmdrm	hypo	CG	-0.104
Gm07	6014795	6014986 Gmdrm	hypo	CG	-0.1008
Gm07	6018684	6018709 Gmdrm	hypo	CG	-0.8267
Gm07	6033278	6033649 Gmdrm	hypo	CG	-0.215
Gm07	6038682	6038951 Gmdrm	hypo	CG	-0.2278
Gm07	6053986	6054016 Gmdrm	hypo	CG	-0.038
Gm07	6066500	6066653 Gmdrm	hypo	CG	-0.8143
Gm07	6066901	6067050 Gmdrm	hypo	CG	-0.95
Gm07	6087774	6087935 Gmdrm	hypo	CG	-0.904
Gm07	6102054	6102090 Gmdrm	hypo	CG	-0.85
Gm07	6102257	6102369 Gmdrm	hypo	CG	-0.7733
Gm07	6108497	6108530 Gmdrm	hypo	CG	-0.745
Gm07	6108887	6108953 Gmdrm	hypo	CG	-0.9233
Gm07	6117063	6117260 Gmdrm	hypo	CG	-0.4522
Gm07	6140417	6140543 Gmdrm	hypo	CG	-0.63
Gm07	6140859	6140948 Gmdrm	hypo	CG	-0.4316
Gm07	6141088	6141297 Gmdrm	hypo	CG	-0.495
Gm07	6177132	6177344 Gmdrm	hypo	CG	-0.5989
Gm07	6197413	6197703 Gmdrm	hypo	CG	-0.03
Gm07	6198257	6198440 Gmdrm	hypo	CG	-0.15
Gm07	6199705	6200189 Gmdrm	hypo	CG	-0.2845
Gm07	6201879	6202062 Gmdrm	hypo	CG	-0.8396
Gm07	6211075	6211205 Gmdrm	hypo	CG	-0.7775
Gm07	6211325	6211430 Gmdrm	hypo	CG	-0.6033
Gm07	6212280	6212345 Gmdrm	hypo	CG	-0.1
Gm07	6224593	6224750 Gmdrm	hypo	CG	-0.04
Gm07	6231374	6231663 Gmdrm	hypo	CG	-0.0378
Gm07	6242455	6242980 Gmdrm	hypo	CG	-0.1613
Gm07	6291621	6291787 Gmdrm	hypo	CG	-0.6032
Gm07	6324951	6325043 Gmdrm	hypo	CG	-0.4901
Gm07	6354790	6354915 Gmdrm	hypo	CG	-0.59
Gm07	6356383	6356503 Gmdrm	hypo	CG	-0.4363
Gm07	6361665	6362034 Gmdrm	hypo	CG	-0.665
Gm07	6365882	6366312 Gmdrm	hypo	CG	-0.8297
Gm07	6395332	6395515 Gmdrm	hypo	CG	-0.5428
Gm07	6406912	6407050 Gmdrm	hypo	CG	-0.881
Gm07	6423249	6423296 Gmdrm	hypo	CG	-0.6625

Gm07	6429168	6429191 Gmdrm	hypo	CG	-0.812
Gm07	6435440	6435630 Gmdrm	hypo	CG	-0.9007
Gm07	6435901	6435959 Gmdrm	hypo	CG	-0.6034
Gm07	6436422	6436997 Gmdrm	hypo	CG	-0.6043
Gm07	6470742	6470855 Gmdrm	hypo	CG	-0.97
Gm07	6471120	6471180 Gmdrm	hypo	CG	-0.65
Gm07	6475089	6475110 Gmdrm	hypo	CG	-0.105
Gm07	6522943	6523161 Gmdrm	hypo	CG	-0.7358
Gm07	6523656	6523750 Gmdrm	hypo	CG	-0.945
Gm07	6524924	6525747 Gmdrm	hypo	CG	-0.6464
Gm07	6542992	6543335 Gmdrm	hypo	CG	-0.781
Gm07	6543531	6543622 Gmdrm	hypo	CG	-0.91
Gm07	6580112	6580123 Gmdrm	hypo	CG	-0.054
Gm07	6587935	6588029 Gmdrm	hypo	CG	-0.2391
Gm07	6597550	6597752 Gmdrm	hypo	CG	-0.4625
Gm07	6598093	6598256 Gmdrm	hypo	CG	-0.9446
Gm07	6598398	6598581 Gmdrm	hypo	CG	-0.8263
Gm07	6618157	6618371 Gmdrm	hypo	CG	-0.449
Gm07	6619322	6619348 Gmdrm	hypo	CG	-0.4166
Gm07	6619457	6619623 Gmdrm	hypo	CG	-0.4683
Gm07	6624904	6624988 Gmdrm	hypo	CG	-0.4769
Gm07	6631589	6631742 Gmdrm	hypo	CG	-0.0759
Gm07	6634327	6634363 Gmdrm	hypo	CG	-0.514
Gm07	6641769	6641980 Gmdrm	hypo	CG	-0.05
Gm07	6643587	6643785 Gmdrm	hypo	CG	-0.6435
Gm07	6655600	6655629 Gmdrm	hypo	CG	-0.1637
Gm07	6673733	6673780 Gmdrm	hypo	CG	-0.175
Gm07	6689166	6689990 Gmdrm	hypo	CG	-0.4991
Gm07	6691355	6691638 Gmdrm	hypo	CG	-0.3878
Gm07	6691814	6691869 Gmdrm	hypo	CG	-0.355
Gm07	6693091	6693259 Gmdrm	hypo	CG	-0.355
Gm07	6701789	6701903 Gmdrm	hypo	CG	-0.92
Gm07	6702017	6702233 Gmdrm	hypo	CG	-0.7212
Gm07	6702389	6702588 Gmdrm	hypo	CG	-0.1042
Gm07	6710696	6710935 Gmdrm	hypo	CG	-0.423
Gm07	6743575	6743882 Gmdrm	hypo	CG	-0.6226
Gm07	6747275	6747632 Gmdrm	hypo	CG	-0.0379
Gm07	6749190	6749228 Gmdrm	hypo	CG	-0.1667
Gm07	6749408	6749598 Gmdrm	hypo	CG	-0.0837
Gm07	6749702	6749743 Gmdrm	hypo	CG	-0.08
Gm07	6750116	6750256 Gmdrm	hypo	CG	-0.376
Gm07	6760305	6760352 Gmdrm	hypo	CG	-0.3475
Gm07	6760867	6761065 Gmdrm	hypo	CG	-0.8779
Gm07	6774979	6775076 Gmdrm	hypo	CG	-0.115
Gm07	6781924	6782042 Gmdrm	hypo	CG	-0.2614
Gm07	6799486	6799604 Gmdrm	hypo	CG	-0.806

Gm07	6799774	6799856	Gmdrm	hypo	CG	-0.2533
Gm07	6802871	6803002	Gmdrm	hypo	CG	-0.863
Gm07	6813641	6813780	Gmdrm	hypo	CG	-0.547
Gm07	6818610	6818643	Gmdrm	hypo	CG	-0.8325
Gm07	6821656	6821715	Gmdrm	hypo	CG	-0.118
Gm07	6824577	6824657	Gmdrm	hypo	CG	-0.4133
Gm07	6826143	6826194	Gmdrm	hypo	CG	-0.98
Gm07	6826787	6826898	Gmdrm	hypo	CG	-0.8725
Gm07	6832404	6832518	Gmdrm	hypo	CG	-0.4911
Gm07	6843156	6843313	Gmdrm	hypo	CG	-0.599
Gm07	6874913	6874979	Gmdrm	hypo	CG	-0.1374
Gm07	6905175	6905253	Gmdrm	hypo	CG	-0.7937
Gm07	6963814	6964070	Gmdrm	hypo	CG	-0.08
Gm07	7006394	7006431	Gmdrm	hypo	CG	-0.42
Gm07	7006906	7007114	Gmdrm	hypo	CG	-0.74
Gm07	7023178	7023518	Gmdrm	hypo	CG	-0.18
Gm07	7023624	7023699	Gmdrm	hypo	CG	-0.105
Gm07	7038192	7038404	Gmdrm	hypo	CG	-0.71
Gm07	7038896	7038970	Gmdrm	hypo	CG	-0.3633
Gm07	7059889	7060213	Gmdrm	hypo	CG	-0.7895
Gm07	7060329	7060400	Gmdrm	hypo	CG	-0.71
Gm07	7072639	7072654	Gmdrm	hypo	CG	-0.9516
Gm07	7082002	7082142	Gmdrm	hypo	CG	-0.495
Gm07	7097677	7097851	Gmdrm	hypo	CG	-0.1275
Gm07	7098945	7098981	Gmdrm	hypo	CG	-0.9416
Gm07	7099336	7099847	Gmdrm	hypo	CG	-0.5387
Gm07	7112136	7112296	Gmdrm	hypo	CG	-0.7283
Gm07	7113059	7113338	Gmdrm	hypo	CG	-0.5632
Gm07	7128704	7128773	Gmdrm	hypo	CG	-0.6112
Gm07	7130911	7130994	Gmdrm	hypo	CG	-0.9333
Gm07	7131300	7131533	Gmdrm	hypo	CG	-0.5722
Gm07	7131962	7132125	Gmdrm	hypo	CG	-0.6
Gm07	7156783	7156963	Gmdrm	hypo	CG	-0.8271
Gm07	7163581	7163657	Gmdrm	hypo	CG	-0.92
Gm07	7165477	7165573	Gmdrm	hypo	CG	-0.3475
Gm07	7175692	7176132	Gmdrm	hypo	CG	-0.4909
Gm07	7176283	7176426	Gmdrm	hypo	CG	-0.3093
Gm07	7179411	7179604	Gmdrm	hypo	CG	-0.7913
Gm07	7207457	7207788	Gmdrm	hypo	CG	-0.6501
Gm07	7222280	7222515	Gmdrm	hypo	CG	-0.0482
Gm07	7228130	7228217	Gmdrm	hypo	CG	-0.1117
Gm07	7231578	7232157	Gmdrm	hypo	CG	-0.3396
Gm07	7258255	7258309	Gmdrm	hypo	CG	-0.036
Gm07	7273156	7273391	Gmdrm	hypo	CG	-0.032
Gm07	7302686	7303005	Gmdrm	hypo	CG	-0.5469
Gm07	7312353	7312681	Gmdrm	hypo	CG	-0.92

Gm07	7324456	7324696 Gmdrm	hypo	CG	-0.6218
Gm07	7324882	7325000 Gmdrm	hypo	CG	-0.2062
Gm07	7350030	7350232 Gmdrm	hypo	CG	-0.2484
Gm07	7360737	7361565 Gmdrm	hypo	CG	-0.5422
Gm07	7377352	7377656 Gmdrm	hypo	CG	-0.1837
Gm07	7392653	7392718 Gmdrm	hypo	CG	-0.1717
Gm07	7393042	7393246 Gmdrm	hypo	CG	-0.5815
Gm07	7394102	7394525 Gmdrm	hypo	CG	-0.4513
Gm07	7408139	7408177 Gmdrm	hypo	CG	-0.6317
Gm07	7413049	7413229 Gmdrm	hypo	CG	-0.4631
Gm07	7422957	7423203 Gmdrm	hypo	CG	-0.9072
Gm07	7424985	7425100 Gmdrm	hypo	CG	-0.381
Gm07	7442357	7442457 Gmdrm	hypo	CG	-0.04
Gm07	7455990	7456205 Gmdrm	hypo	CG	-0.593
Gm07	7456396	7456704 Gmdrm	hypo	CG	-0.6162
Gm07	7457574	7457836 Gmdrm	hypo	CG	-0.83
Gm07	7468040	7468277 Gmdrm	hypo	CG	-0.6307
Gm07	7468815	7469002 Gmdrm	hypo	CG	-0.4391
Gm07	7479073	7479120 Gmdrm	hypo	CG	-0.7201
Gm07	7479304	7479568 Gmdrm	hypo	CG	-0.4086
Gm07	7492460	7492686 Gmdrm	hypo	CG	-0.3583
Gm07	7492934	7493357 Gmdrm	hypo	CG	-0.6782
Gm07	7495891	7496059 Gmdrm	hypo	CG	-0.7345
Gm07	7503628	7503704 Gmdrm	hypo	CG	-0.0663
Gm07	7510438	7510465 Gmdrm	hypo	CG	-0.6466
Gm07	7516039	7516229 Gmdrm	hypo	CG	-0.227
Gm07	7520617	7520927 Gmdrm	hypo	CG	-0.7463
Gm07	7525304	7525446 Gmdrm	hypo	CG	-0.2667
Gm07	7537900	7537968 Gmdrm	hypo	CG	-0.3267
Gm07	7552946	7553186 Gmdrm	hypo	CG	-0.8263
Gm07	7559313	7559686 Gmdrm	hypo	CG	-0.4106
Gm07	7566447	7566543 Gmdrm	hypo	CG	-0.198
Gm07	7577615	7577718 Gmdrm	hypo	CG	-0.046
Gm07	7578859	7578941 Gmdrm	hypo	CG	-0.1683
Gm07	7580437	7580544 Gmdrm	hypo	CG	-0.9117
Gm07	7589754	7590019 Gmdrm	hypo	CG	-0.3084
Gm07	7596347	7596496 Gmdrm	hypo	CG	-0.85
Gm07	7605915	7606071 Gmdrm	hypo	CG	-0.8972
Gm07	7636867	7636983 Gmdrm	hypo	CG	-0.363
Gm07	7640231	7640477 Gmdrm	hypo	CG	-0.849
Gm07	7680364	7680588 Gmdrm	hypo	CG	-0.8456
Gm07	7693673	7693742 Gmdrm	hypo	CG	-0.9337
Gm07	7720396	7720451 Gmdrm	hypo	CG	-0.905
Gm07	7720559	7720753 Gmdrm	hypo	CG	-0.6287
Gm07	7720981	7721089 Gmdrm	hypo	CG	-0.9267
Gm07	7721790	7721854 Gmdrm	hypo	CG	-0.434

Gm07	7730186	7730408 Gmdrm	hypo	CG	-0.8268
Gm07	7740453	7740958 Gmdrm	hypo	CG	-0.049
Gm07	7757094	7757262 Gmdrm	hypo	CG	-0.4027
Gm07	7787514	7788181 Gmdrm	hypo	CG	-0.0732
Gm07	7793846	7794228 Gmdrm	hypo	CG	-0.1043
Gm07	7799940	7799968 Gmdrm	hypo	CG	-0.97
Gm07	7800766	7801020 Gmdrm	hypo	CG	-0.6165
Gm07	7842859	7842909 Gmdrm	hypo	CG	-0.3815
Gm07	7845231	7845403 Gmdrm	hypo	CG	-0.6936
Gm07	7849055	7849210 Gmdrm	hypo	CG	-0.21
Gm07	7849891	7850126 Gmdrm	hypo	CG	-0.024
Gm07	7857794	7857808 Gmdrm	hypo	CG	-0.3967
Gm07	7858578	7858631 Gmdrm	hypo	CG	-0.947
Gm07	7863105	7863340 Gmdrm	hypo	CG	-0.9218
Gm07	7864368	7864474 Gmdrm	hypo	CG	-0.7633
Gm07	7876322	7876422 Gmdrm	hypo	CG	-0.3717
Gm07	7888393	7888914 Gmdrm	hypo	CG	-0.3009
Gm07	7890424	7890629 Gmdrm	hypo	CG	-0.6538
Gm07	7895473	7896126 Gmdrm	hypo	CG	-0.3843
Gm07	7906701	7906807 Gmdrm	hypo	CG	-0.2783
Gm07	7916528	7916713 Gmdrm	hypo	CG	-0.945
Gm07	7933614	7933780 Gmdrm	hypo	CG	-0.1075
Gm07	7937300	7937575 Gmdrm	hypo	CG	-0.2256
Gm07	7944836	7944997 Gmdrm	hypo	CG	-0.9337
Gm07	7946427	7946606 Gmdrm	hypo	CG	-0.7531
Gm07	7948083	7948176 Gmdrm	hypo	CG	-0.028
Gm07	7949659	7949867 Gmdrm	hypo	CG	-0.024
Gm07	7959648	7960255 Gmdrm	hypo	CG	-0.046
Gm07	7960368	7960460 Gmdrm	hypo	CG	-0.8034
Gm07	7964995	7965427 Gmdrm	hypo	CG	-0.3462
Gm07	7974935	7975183 Gmdrm	hypo	CG	-0.1317
Gm07	7978278	7978410 Gmdrm	hypo	CG	-0.805
Gm07	7979384	7979777 Gmdrm	hypo	CG	-0.0689
Gm07	7980068	7980266 Gmdrm	hypo	CG	-0.8913
Gm07	7980847	7981694 Gmdrm	hypo	CG	-0.7855
Gm07	7990825	7990951 Gmdrm	hypo	CG	-0.324
Gm07	7992529	7992607 Gmdrm	hypo	CG	-0.0617
Gm07	7997050	7997086 Gmdrm	hypo	CG	-0.235
Gm07	8004205	8005058 Gmdrm	hypo	CG	-0.602
Gm07	8014133	8014323 Gmdrm	hypo	CG	-0.0275
Gm07	8028787	8028836 Gmdrm	hypo	CG	-0.6724
Gm07	8050769	8050984 Gmdrm	hypo	CG	-0.8543
Gm07	8058147	8058329 Gmdrm	hypo	CG	-0.9413
Gm07	8058474	8058849 Gmdrm	hypo	CG	-0.9244
Gm07	8069769	8069988 Gmdrm	hypo	CG	-0.3973
Gm07	8070246	8070334 Gmdrm	hypo	CG	-0.961

Gm07	8094450	8094486	Gmdrm	hypo	CG	-0.7575
Gm07	8113900	8113923	Gmdrm	hypo	CG	-0.8866
Gm07	8130822	8130892	Gmdrm	hypo	CG	-0.3483
Gm07	8136079	8136153	Gmdrm	hypo	CG	-0.3434
Gm07	8136480	8136631	Gmdrm	hypo	CG	-0.74
Gm07	8138485	8138577	Gmdrm	hypo	CG	-0.6717
Gm07	8144108	8144248	Gmdrm	hypo	CG	-0.2984
Gm07	8149544	8149663	Gmdrm	hypo	CG	-0.555
Gm07	8160988	8161060	Gmdrm	hypo	CG	-0.3323
Gm07	8167626	8167813	Gmdrm	hypo	CG	-0.0434
Gm07	8188856	8188992	Gmdrm	hypo	CG	-0.57
Gm07	8189358	8189522	Gmdrm	hypo	CG	-0.5534
Gm07	8215801	8216073	Gmdrm	hypo	CG	-0.4653
Gm07	8216188	8216454	Gmdrm	hypo	CG	-0.506
Gm07	8217293	8217418	Gmdrm	hypo	CG	-0.038
Gm07	8223888	8224074	Gmdrm	hypo	CG	-0.756
Gm07	8239696	8239944	Gmdrm	hypo	CG	-0.58
Gm07	8244637	8244877	Gmdrm	hypo	CG	-0.9294
Gm07	8245334	8245428	Gmdrm	hypo	CG	-0.6737
Gm07	8247021	8247077	Gmdrm	hypo	CG	-0.6312
Gm07	8247243	8247552	Gmdrm	hypo	CG	-0.8208
Gm07	8249191	8249270	Gmdrm	hypo	CG	-0.03
Gm07	8262115	8262271	Gmdrm	hypo	CG	-0.3276
Gm07	8267585	8267842	Gmdrm	hypo	CG	-0.1254
Gm07	8276162	8276340	Gmdrm	hypo	CG	-0.613
Gm07	8310705	8310817	Gmdrm	hypo	CG	-0.8567
Gm07	8311013	8311109	Gmdrm	hypo	CG	-0.368
Gm07	8312146	8312261	Gmdrm	hypo	CG	-0.4126
Gm07	8332602	8332858	Gmdrm	hypo	CG	-0.4631
Gm07	8357837	8357992	Gmdrm	hypo	CG	-0.7775
Gm07	8434320	8434390	Gmdrm	hypo	CG	-0.2913
Gm07	8445179	8445213	Gmdrm	hypo	CG	-0.5017
Gm07	8454137	8454376	Gmdrm	hypo	CG	-0.66
Gm07	8479735	8479766	Gmdrm	hypo	CG	-0.7987
Gm07	8483810	8483996	Gmdrm	hypo	CG	-0.9243
Gm07	8487176	8487419	Gmdrm	hypo	CG	-0.3071
Gm07	8488033	8488139	Gmdrm	hypo	CG	-0.0261
Gm07	8503825	8503914	Gmdrm	hypo	CG	-0.5967
Gm07	8508830	8509022	Gmdrm	hypo	CG	-0.803
Gm07	8515399	8515709	Gmdrm	hypo	CG	-0.949
Gm07	8519195	8519306	Gmdrm	hypo	CG	-0.6133
Gm07	8528344	8528852	Gmdrm	hypo	CG	-0.2104
Gm07	8530050	8530155	Gmdrm	hypo	CG	-0.578
Gm07	8549937	8550012	Gmdrm	hypo	CG	-0.5938
Gm07	8555175	8555403	Gmdrm	hypo	CG	-0.5125
Gm07	8555565	8555645	Gmdrm	hypo	CG	-0.745

Gm07	8563343	8563446 Gmdrm	hypo	CG	-0.78
Gm07	8564015	8564129 Gmdrm	hypo	CG	-0.437
Gm07	8564350	8564756 Gmdrm	hypo	CG	-0.1294
Gm07	8567258	8567391 Gmdrm	hypo	CG	-0.0717
Gm07	8569370	8569430 Gmdrm	hypo	CG	-0.3188
Gm07	8574856	8574866 Gmdrm	hypo	CG	-0.1183
Gm07	8576335	8576393 Gmdrm	hypo	CG	-0.8617
Gm07	8576714	8576911 Gmdrm	hypo	CG	-0.6556
Gm07	8591732	8591837 Gmdrm	hypo	CG	-0.945
Gm07	8592509	8592543 Gmdrm	hypo	CG	-0.92
Gm07	8637841	8638003 Gmdrm	hypo	CG	-0.4138
Gm07	8638257	8638269 Gmdrm	hypo	CG	-0.0833
Gm07	8638893	8639562 Gmdrm	hypo	CG	-0.3429
Gm07	8646514	8646676 Gmdrm	hypo	CG	-0.66
Gm07	8795847	8796101 Gmdrm	hypo	CG	-0.0392
Gm07	8797277	8797344 Gmdrm	hypo	CG	-0.029
Gm07	8801457	8801501 Gmdrm	hypo	CG	-0.6883
Gm07	8815369	8815583 Gmdrm	hypo	CG	-0.492
Gm07	8815709	8815806 Gmdrm	hypo	CG	-0.645
Gm07	8817381	8817424 Gmdrm	hypo	CG	-0.505
Gm07	8817543	8818035 Gmdrm	hypo	CG	-0.2089
Gm07	8824415	8824657 Gmdrm	hypo	CG	-0.042
Gm07	8825792	8826263 Gmdrm	hypo	CG	-0.54
Gm07	8846849	8847031 Gmdrm	hypo	CG	-0.3675
Gm07	8852643	8853003 Gmdrm	hypo	CG	-0.3533
Gm07	8862722	8862905 Gmdrm	hypo	CG	-0.8184
Gm07	8872728	8872794 Gmdrm	hypo	CG	-0.1187
Gm07	8874612	8874750 Gmdrm	hypo	CG	-0.3375
Gm07	8886762	8887147 Gmdrm	hypo	CG	-0.9428
Gm07	8891717	8891973 Gmdrm	hypo	CG	-0.0793
Gm07	8894926	8895025 Gmdrm	hypo	CG	-0.2383
Gm07	8906286	8906484 Gmdrm	hypo	CG	-0.48
Gm07	8917073	8917103 Gmdrm	hypo	CG	-0.94
Gm07	8924364	8924525 Gmdrm	hypo	CG	-0.5062
Gm07	8924742	8924847 Gmdrm	hypo	CG	-0.5963
Gm07	8944574	8944821 Gmdrm	hypo	CG	-0.2485
Gm07	8948576	8948613 Gmdrm	hypo	CG	-0.122
Gm07	8977678	8977818 Gmdrm	hypo	CG	-0.727
Gm07	8987679	8987842 Gmdrm	hypo	CG	-0.1
Gm07	8998238	8998687 Gmdrm	hypo	CG	-0.0471
Gm07	9014881	9014920 Gmdrm	hypo	CG	-0.6784
Gm07	9015420	9015462 Gmdrm	hypo	CG	-0.4767
Gm07	9020652	9020723 Gmdrm	hypo	CG	-0.2767
Gm07	9062779	9062803 Gmdrm	hypo	CG	-0.9084
Gm07	9063825	9063927 Gmdrm	hypo	CG	-0.0367
Gm07	9083061	9083180 Gmdrm	hypo	CG	-0.2039

Gm07	9127989	9128126 Gmdrm	hypo	CG	-0.0543
Gm07	9157070	9157459 Gmdrm	hypo	CG	-0.3005
Gm07	9160235	9160934 Gmdrm	hypo	CG	-0.0376
Gm07	9183386	9183479 Gmdrm	hypo	CG	-0.3184
Gm07	9183599	9183640 Gmdrm	hypo	CG	-0.6
Gm07	9186752	9187099 Gmdrm	hypo	CG	-0.0616
Gm07	9189205	9189300 Gmdrm	hypo	CG	-0.0866
Gm07	9195112	9195301 Gmdrm	hypo	CG	-0.038
Gm07	9241591	9241699 Gmdrm	hypo	CG	-0.0317
Gm07	9250422	9250543 Gmdrm	hypo	CG	-0.4762
Gm07	9263654	9263762 Gmdrm	hypo	CG	-0.4917
Gm07	9274671	9274725 Gmdrm	hypo	CG	-0.9363
Gm07	9277125	9277191 Gmdrm	hypo	CG	-0.085
Gm07	9324235	9324753 Gmdrm	hypo	CG	-0.1929
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Gm07	9348082	9348264 Gmdrm	hypo	CG	-0.095
Gm07	9368413	9368515 Gmdrm	hypo	CG	-0.1699
Gm07	9380940	9381005 Gmdrm	hypo	CG	-0.046
Gm07	9420185	9420411 Gmdrm	hypo	CG	-0.3871
Gm07	9436236	9436355 Gmdrm	hypo	CG	-0.691
Gm07	9436465	9437440 Gmdrm	hypo	CG	-0.0293
Gm07	9443208	9443333 Gmdrm	hypo	CG	-0.606
Gm07	9443674	9443806 Gmdrm	hypo	CG	-0.2519
Gm07	9444045	9444342 Gmdrm	hypo	CG	-0.2744
Gm07	9445038	9445152 Gmdrm	hypo	CG	-0.6833
Gm07	9445268	9445424 Gmdrm	hypo	CG	-0.653
Gm07	9450453	9450658 Gmdrm	hypo	CG	-0.153
Gm07	9457676	9457822 Gmdrm	hypo	CG	-0.21
Gm07	9474775	9474969 Gmdrm	hypo	CG	-0.7751
Gm07	9477376	9477528 Gmdrm	hypo	CG	-0.0369
Gm07	9513137	9513380 Gmdrm	hypo	CG	-0.303
Gm07	9513540	9513682 Gmdrm	hypo	CG	-0.365
Gm07	9530532	9530741 Gmdrm	hypo	CG	-0.3025
Gm07	9616647	9616860 Gmdrm	hypo	CG	-0.6678
Gm07	9619955	9620085 Gmdrm	hypo	CG	-0.402
Gm07	9621130	9621427 Gmdrm	hypo	CG	-0.1527
Gm07	9621667	9621813 Gmdrm	hypo	CG	-0.668
Gm07	9625136	9625389 Gmdrm	hypo	CG	-0.1104
Gm07	9632351	9632585 Gmdrm	hypo	CG	-0.8525
Gm07	9633084	9633268 Gmdrm	hypo	CG	-0.7892
Gm07	9633369	9633425 Gmdrm	hypo	CG	-0.9484
Gm07	9649809	9650409 Gmdrm	hypo	CG	-0.195
Gm07	9662674	9662857 Gmdrm	hypo	CG	-0.0617
Gm07	9667891	9668082 Gmdrm	hypo	CG	-0.172
Gm07	9670738	9670878 Gmdrm	hypo	CG	-0.115
Gm07	9694238	9694768 Gmdrm	hypo	CG	-0.3706

Gm07	9694972	9695388	Gmdrm	hypo	CG	-0.1477
Gm07	9695608	9695816	Gmdrm	hypo	CG	-0.365
Gm07	9696233	9696328	Gmdrm	hypo	CG	-0.1587
Gm07	9701220	9701333	Gmdrm	hypo	CG	-0.0787
Gm07	9718445	9718620	Gmdrm	hypo	CG	-0.0792
Gm07	9720332	9720467	Gmdrm	hypo	CG	-0.9307
Gm07	9720573	9720897	Gmdrm	hypo	CG	-0.9181
Gm07	9746984	9747130	Gmdrm	hypo	CG	-0.0667
Gm07	9783112	9783612	Gmdrm	hypo	CG	-0.0689
Gm07	9785392	9786028	Gmdrm	hypo	CG	-0.5726
Gm07	9801127	9801286	Gmdrm	hypo	CG	-0.9462
Gm07	9801682	9801881	Gmdrm	hypo	CG	-0.64
Gm07	9814521	9814630	Gmdrm	hypo	CG	-0.0808
Gm07	9817636	9817734	Gmdrm	hypo	CG	-0.1054
Gm07	9826014	9826266	Gmdrm	hypo	CG	-0.826
Gm07	9836719	9836805	Gmdrm	hypo	CG	-0.024
Gm07	9866816	9866856	Gmdrm	hypo	CG	-0.8383
Gm07	9885237	9885508	Gmdrm	hypo	CG	-0.7995
Gm07	9897360	9897920	Gmdrm	hypo	CG	-0.0262
Gm07	9931496	9931659	Gmdrm	hypo	CG	-0.3459
Gm07	9946683	9946781	Gmdrm	hypo	CG	-0.38
Gm07	9954344	9954570	Gmdrm	hypo	CG	-0.0396
Gm07	10001415	10001532	Gmdrm	hypo	CG	-0.4156
Gm07	10013380	10013393	Gmdrm	hypo	CG	-0.8812
Gm07	10013850	10014272	Gmdrm	hypo	CG	-0.1716
Gm07	10014433	10014532	Gmdrm	hypo	CG	-0.2392
Gm07	10018109	10018131	Gmdrm	hypo	CG	-0.5567
Gm07	10019780	10019966	Gmdrm	hypo	CG	-0.2734
Gm07	10037981	10038115	Gmdrm	hypo	CG	-0.215
Gm07	10038513	10038608	Gmdrm	hypo	CG	-0.2817
Gm07	10040245	10040392	Gmdrm	hypo	CG	-0.463
Gm07	10046066	10046152	Gmdrm	hypo	CG	-0.55
Gm07	10046353	10046555	Gmdrm	hypo	CG	-0.7363
Gm07	10046789	10046927	Gmdrm	hypo	CG	-0.7583
Gm07	10048535	10048624	Gmdrm	hypo	CG	-0.4074
Gm07	10050913	10050992	Gmdrm	hypo	CG	-0.495
Gm07	10063158	10063350	Gmdrm	hypo	CG	-0.8151
Gm07	10073286	10073765	Gmdrm	hypo	CG	-0.3339
Gm07	10103044	10103136	Gmdrm	hypo	CG	-0.9228
Gm07	10103983	10104092	Gmdrm	hypo	CG	-0.7338
Gm07	10104599	10104983	Gmdrm	hypo	CG	-0.3578
Gm07	10105086	10105201	Gmdrm	hypo	CG	-0.5462
Gm07	10105317	10105524	Gmdrm	hypo	CG	-0.6336
Gm07	10129962	10130184	Gmdrm	hypo	CG	-0.7975
Gm07	10130825	10130913	Gmdrm	hypo	CG	-0.54
Gm07	10131029	10131153	Gmdrm	hypo	CG	-0.473

Gm07	10132117	10132290	Gmdrm	hypo	CG	-0.9487
Gm07	10154604	10154766	Gmdrm	hypo	CG	-0.4833
Gm07	10173875	10174052	Gmdrm	hypo	CG	-0.062
Gm07	10192901	10192967	Gmdrm	hypo	CG	-0.6166
Gm07	10214369	10214496	Gmdrm	hypo	CG	-0.06
Gm07	10237984	10238349	Gmdrm	hypo	CG	-0.2825
Gm07	10292428	10293018	Gmdrm	hypo	CG	-0.4782
Gm07	10303843	10303859	Gmdrm	hypo	CG	-0.9533
Gm07	10309676	10309837	Gmdrm	hypo	CG	-0.9719
Gm07	10324098	10324167	Gmdrm	hypo	CG	-0.8583
Gm07	10354390	10354542	Gmdrm	hypo	CG	-0.03
Gm07	10372950	10373023	Gmdrm	hypo	CG	-0.064
Gm07	10386932	10387069	Gmdrm	hypo	CG	-0.039
Gm07	10403561	10403954	Gmdrm	hypo	CG	-0.1094
Gm07	10410433	10410946	Gmdrm	hypo	CG	-0.0307
Gm07	10422032	10422292	Gmdrm	hypo	CG	-0.4977
Gm07	10436275	10436446	Gmdrm	hypo	CG	-0.2692
Gm07	10444406	10444484	Gmdrm	hypo	CG	-0.1516
Gm07	10450585	10450621	Gmdrm	hypo	CG	-0.7116
Gm07	10450758	10450895	Gmdrm	hypo	CG	-0.784
Gm07	10455547	10455647	Gmdrm	hypo	CG	-0.39
Gm07	10458874	10458903	Gmdrm	hypo	CG	-0.738
Gm07	10460162	10460613	Gmdrm	hypo	CG	-0.0778
Gm07	10465005	10465156	Gmdrm	hypo	CG	-0.101
Gm07	10481379	10481613	Gmdrm	hypo	CG	-0.4757
Gm07	10483344	10483491	Gmdrm	hypo	CG	-0.4251
Gm07	10483596	10483636	Gmdrm	hypo	CG	-0.5917
Gm07	10483863	10484128	Gmdrm	hypo	CG	-0.5242
Gm07	10488497	10488651	Gmdrm	hypo	CG	-0.33
Gm07	10511442	10511605	Gmdrm	hypo	CG	-0.0619
Gm07	10526380	10526579	Gmdrm	hypo	CG	-0.4491
Gm07	10575044	10575156	Gmdrm	hypo	CG	-0.509
Gm07	10592618	10592734	Gmdrm	hypo	CG	-0.128
Gm07	10631041	10631169	Gmdrm	hypo	CG	-0.96
Gm07	10633713	10633926	Gmdrm	hypo	CG	-0.5513
Gm07	10634028	10634392	Gmdrm	hypo	CG	-0.8338
Gm07	10634498	10634661	Gmdrm	hypo	CG	-0.8886
Gm07	10636657	10636820	Gmdrm	hypo	CG	-0.654
Gm07	10662084	10662226	Gmdrm	hypo	CG	-0.034
Gm07	10701126	10701161	Gmdrm	hypo	CG	-0.044
Gm07	10701313	10701346	Gmdrm	hypo	CG	-0.355
Gm07	10701643	10701778	Gmdrm	hypo	CG	-0.97
Gm07	10701913	10702135	Gmdrm	hypo	CG	-0.804
Gm07	10753531	10753797	Gmdrm	hypo	CG	-0.4606
Gm07	10755018	10755121	Gmdrm	hypo	CG	-0.949
Gm07	10757845	10758026	Gmdrm	hypo	CG	-0.4725

Gm07	10775297	10775512	Gmdrm	hypo	CG	-0.0557
Gm07	10845890	10846320	Gmdrm	hypo	CG	-0.2643
Gm07	10853582	10853776	Gmdrm	hypo	CG	-0.9624
Gm07	10859605	10859690	Gmdrm	hypo	CG	-0.3938
Gm07	10862354	10862764	Gmdrm	hypo	CG	-0.2737
Gm07	10905190	10905414	Gmdrm	hypo	CG	-0.8838
Gm07	10911093	10911273	Gmdrm	hypo	CG	-0.808
Gm07	10987190	10987417	Gmdrm	hypo	CG	-0.81
Gm07	10988240	10988487	Gmdrm	hypo	CG	-0.2767
Gm07	11056845	11057144	Gmdrm	hypo	CG	-0.2964
Gm07	11128039	11128526	Gmdrm	hypo	CG	-0.616
Gm07	11144241	11144474	Gmdrm	hypo	CG	-0.0374
Gm07	11196687	11197029	Gmdrm	hypo	CG	-0.0613
Gm07	11236378	11236558	Gmdrm	hypo	CG	-0.08
Gm07	11248727	11249033	Gmdrm	hypo	CG	-0.49
Gm07	11259361	11259421	Gmdrm	hypo	CG	-0.105
Gm07	11268142	11268168	Gmdrm	hypo	CG	-0.8583
Gm07	11272547	11272731	Gmdrm	hypo	CG	-0.4825
Gm07	11302916	11302968	Gmdrm	hypo	CG	-0.2833
Gm07	11313709	11313736	Gmdrm	hypo	CG	-0.9017
Gm07	11315643	11315802	Gmdrm	hypo	CG	-0.0371
Gm07	11320783	11320934	Gmdrm	hypo	CG	-0.048
Gm07	11348491	11348584	Gmdrm	hypo	CG	-0.4716
Gm07	11375514	11375804	Gmdrm	hypo	CG	-0.3163
Gm07	11396246	11396519	Gmdrm	hypo	CG	-0.2559
Gm07	11402426	11402894	Gmdrm	hypo	CG	-0.1132
Gm07	11410967	11411045	Gmdrm	hypo	CG	-0.4389
Gm07	11415221	11415605	Gmdrm	hypo	CG	-0.6131
Gm07	11431683	11431908	Gmdrm	hypo	CG	-0.0591
Gm07	11449102	11449306	Gmdrm	hypo	CG	-0.2325
Gm07	11480490	11480552	Gmdrm	hypo	CG	-0.398
Gm07	11533413	11533449	Gmdrm	hypo	CG	-0.498
Gm07	11539038	11539131	Gmdrm	hypo	CG	-0.756
Gm07	11541371	11541552	Gmdrm	hypo	CG	-0.7245
Gm07	11553905	11554100	Gmdrm	hypo	CG	-0.2356
Gm07	11559159	11559211	Gmdrm	hypo	CG	-0.9067
Gm07	11559333	11559479	Gmdrm	hypo	CG	-0.8638
Gm07	11574772	11574922	Gmdrm	hypo	CG	-0.0657
Gm07	11586804	11587502	Gmdrm	hypo	CG	-0.1094
Gm07	11647768	11647806	Gmdrm	hypo	CG	-0.595
Gm07	11647993	11648263	Gmdrm	hypo	CG	-0.7381
Gm07	11656895	11657127	Gmdrm	hypo	CG	-0.0625
Gm07	11661241	11661317	Gmdrm	hypo	CG	-0.327
Gm07	11679795	11680063	Gmdrm	hypo	CG	-0.0672
Gm07	11705629	11705824	Gmdrm	hypo	CG	-0.8259
Gm07	11762023	11762252	Gmdrm	hypo	CG	-0.577

Gm07	11764054	11764365	Gmdrm	hypo	CG	-0.435
Gm07	11779071	11779179	Gmdrm	hypo	CG	-0.0763
Gm07	11782458	11782540	Gmdrm	hypo	CG	-0.7312
Gm07	11788719	11788915	Gmdrm	hypo	CG	-0.04
Gm07	11789462	11789628	Gmdrm	hypo	CG	-0.62
Gm07	11790334	11790568	Gmdrm	hypo	CG	-0.625
Gm07	11803357	11803748	Gmdrm	hypo	CG	-0.0328
Gm07	11843093	11843398	Gmdrm	hypo	CG	-0.446
Gm07	11844461	11844627	Gmdrm	hypo	CG	-0.7557
Gm07	11845007	11845190	Gmdrm	hypo	CG	-0.784
Gm07	11871693	11871791	Gmdrm	hypo	CG	-0.0663
Gm07	11871984	11872290	Gmdrm	hypo	CG	-0.7614
Gm07	11919413	11919445	Gmdrm	hypo	CG	-0.5716
Gm07	11965055	11965322	Gmdrm	hypo	CG	-0.0521
Gm07	12020125	12020159	Gmdrm	hypo	CG	-0.105
Gm07	12035286	12035424	Gmdrm	hypo	CG	-0.142
Gm07	12035727	12035747	Gmdrm	hypo	CG	-0.6516
Gm07	12036180	12036309	Gmdrm	hypo	CG	-0.3932
Gm07	12046302	12046450	Gmdrm	hypo	CG	-0.7786
Gm07	12070363	12070635	Gmdrm	hypo	CG	-0.4572
Gm07	12136827	12136996	Gmdrm	hypo	CG	-0.415
Gm07	12158945	12159058	Gmdrm	hypo	CG	-0.0813
Gm07	12159762	12159873	Gmdrm	hypo	CG	-0.5584
Gm07	12291795	12291961	Gmdrm	hypo	CG	-0.0816
Gm07	12308940	12308976	Gmdrm	hypo	CG	-0.9533
Gm07	12329363	12329740	Gmdrm	hypo	CG	-0.6387
Gm07	12329998	12330147	Gmdrm	hypo	CG	-0.6211
Gm07	12331370	12331439	Gmdrm	hypo	CG	-0.6934
Gm07	12342175	12342406	Gmdrm	hypo	CG	-0.056
Gm07	12354599	12354636	Gmdrm	hypo	CG	-0.0967
Gm07	12361057	12361285	Gmdrm	hypo	CG	-0.0373
Gm07	12376372	12376410	Gmdrm	hypo	CG	-0.5917
Gm07	12378563	12378810	Gmdrm	hypo	CG	-0.044
Gm07	12458960	12459087	Gmdrm	hypo	CG	-0.8313
Gm07	12484983	12485164	Gmdrm	hypo	CG	-0.038
Gm07	12531941	12532546	Gmdrm	hypo	CG	-0.0581
Gm07	12553962	12554063	Gmdrm	hypo	CG	-0.8684
Gm07	12555008	12555218	Gmdrm	hypo	CG	-0.6309
Gm07	12608203	12608268	Gmdrm	hypo	CG	-0.0492
Gm07	12627073	12627508	Gmdrm	hypo	CG	-0.0446
Gm07	12687630	12688274	Gmdrm	hypo	CG	-0.0326
Gm07	12748573	12748798	Gmdrm	hypo	CG	-0.05
Gm07	12753250	12753489	Gmdrm	hypo	CG	-0.0475
Gm07	12781162	12781983	Gmdrm	hypo	CG	-0.0367
Gm07	12834888	12835396	Gmdrm	hypo	CG	-0.0611
Gm07	12843667	12843696	Gmdrm	hypo	CG	-0.035

Gm07	12909708	12909746	Gmdrm	hypo	CG	-0.13
Gm07	12927153	12927212	Gmdrm	hypo	CG	-0.435
Gm07	12945865	12946210	Gmdrm	hypo	CG	-0.057
Gm07	12959407	12959474	Gmdrm	hypo	CG	-0.805
Gm07	12980131	12980271	Gmdrm	hypo	CG	-0.55
Gm07	13001437	13001719	Gmdrm	hypo	CG	-0.0442
Gm07	13019521	13019712	Gmdrm	hypo	CG	-0.0661
Gm07	13046828	13046880	Gmdrm	hypo	CG	-0.2033
Gm07	13057598	13057647	Gmdrm	hypo	CG	-0.0383
Gm07	13084068	13084113	Gmdrm	hypo	CG	-0.7133
Gm07	13084253	13084590	Gmdrm	hypo	CG	-0.0969
Gm07	13104487	13104800	Gmdrm	hypo	CG	-0.0729
Gm07	13179605	13179783	Gmdrm	hypo	CG	-0.134
Gm07	13191087	13191189	Gmdrm	hypo	CG	-0.124
Gm07	13202358	13202498	Gmdrm	hypo	CG	-0.3316
Gm07	13232426	13232483	Gmdrm	hypo	CG	-0.49
Gm07	13234376	13234530	Gmdrm	hypo	CG	-0.7157
Gm07	13247567	13247739	Gmdrm	hypo	CG	-0.7606
Gm07	13255301	13255603	Gmdrm	hypo	CG	-0.0646
Gm07	13261545	13261736	Gmdrm	hypo	CG	-0.6669
Gm07	13276848	13276934	Gmdrm	hypo	CG	-0.9467
Gm07	13287419	13287605	Gmdrm	hypo	CG	-0.5491
Gm07	13300774	13301031	Gmdrm	hypo	CG	-0.0684
Gm07	13305195	13305257	Gmdrm	hypo	CG	-0.1916
Gm07	13327133	13327241	Gmdrm	hypo	CG	-0.5917
Gm07	13327621	13327745	Gmdrm	hypo	CG	-0.4475
Gm07	13347662	13347773	Gmdrm	hypo	CG	-0.048
Gm07	13354675	13354863	Gmdrm	hypo	CG	-0.0337
Gm07	13394045	13394223	Gmdrm	hypo	CG	-0.696
Gm07	13414143	13414348	Gmdrm	hypo	CG	-0.668
Gm07	13414552	13414604	Gmdrm	hypo	CG	-0.7991
Gm07	13431308	13431530	Gmdrm	hypo	CG	-0.5727
Gm07	13465396	13465482	Gmdrm	hypo	CG	-0.6234
Gm07	13465618	13465694	Gmdrm	hypo	CG	-0.775
Gm07	13465853	13465891	Gmdrm	hypo	CG	-0.135
Gm07	13483655	13483764	Gmdrm	hypo	CG	-0.039
Gm07	13490160	13490257	Gmdrm	hypo	CG	-0.3483
Gm07	13490575	13490873	Gmdrm	hypo	CG	-0.0664
Gm07	13509258	13509369	Gmdrm	hypo	CG	-0.6067
Gm07	13509799	13509988	Gmdrm	hypo	CG	-0.726
Gm07	13510247	13510372	Gmdrm	hypo	CG	-0.36
Gm07	13514098	13514286	Gmdrm	hypo	CG	-0.064
Gm07	13547949	13548071	Gmdrm	hypo	CG	-0.3036
Gm07	13567646	13567829	Gmdrm	hypo	CG	-0.3932
Gm07	13606882	13607114	Gmdrm	hypo	CG	-0.038
Gm07	13628436	13629028	Gmdrm	hypo	CG	-0.0492

Gm07	13635185	13635380	Gmdrm	hypo	CG	-0.8775
Gm07	13635528	13635614	Gmdrm	hypo	CG	-0.2343
Gm07	13636071	13636182	Gmdrm	hypo	CG	-0.2258
Gm07	13703004	13703243	Gmdrm	hypo	CG	-0.6422
Gm07	13735923	13736089	Gmdrm	hypo	CG	-0.9
Gm07	13736261	13736507	Gmdrm	hypo	CG	-0.0368
Gm07	13750785	13751003	Gmdrm	hypo	CG	-0.1514
Gm07	13756831	13756856	Gmdrm	hypo	CG	-1
Gm07	13773737	13773842	Gmdrm	hypo	CG	-0.6283
Gm07	13776703	13776781	Gmdrm	hypo	CG	-0.7012
Gm07	13801354	13801694	Gmdrm	hypo	CG	-0.06
Gm07	13845560	13846099	Gmdrm	hypo	CG	-0.0261
Gm07	13863760	13863863	Gmdrm	hypo	CG	-0.52
Gm07	13885624	13886011	Gmdrm	hypo	CG	-0.7847
Gm07	13939106	13939211	Gmdrm	hypo	CG	-0.8775
Gm07	13943031	13943152	Gmdrm	hypo	CG	-0.0757
Gm07	14003264	14003350	Gmdrm	hypo	CG	-0.68
Gm07	14057683	14057799	Gmdrm	hypo	CG	-0.07
Gm07	14069871	14070348	Gmdrm	hypo	CG	-0.2235
Gm07	14141924	14142164	Gmdrm	hypo	CG	-0.7935
Gm07	14153224	14153260	Gmdrm	hypo	CG	-0.1267
Gm07	14161773	14161909	Gmdrm	hypo	CG	-0.144
Gm07	14164216	14164592	Gmdrm	hypo	CG	-0.317
Gm07	14183455	14183505	Gmdrm	hypo	CG	-0.395
Gm07	14183652	14183751	Gmdrm	hypo	CG	-0.4917
Gm07	14184668	14184944	Gmdrm	hypo	CG	-0.557
Gm07	14193808	14193851	Gmdrm	hypo	CG	-0.2033
Gm07	14195766	14195925	Gmdrm	hypo	CG	-0.105
Gm07	14201712	14201868	Gmdrm	hypo	CG	-0.7658
Gm07	14243782	14243897	Gmdrm	hypo	CG	-0.66
Gm07	14251762	14251922	Gmdrm	hypo	CG	-0.096
Gm07	14276989	14277129	Gmdrm	hypo	CG	-0.3992
Gm07	14340638	14340756	Gmdrm	hypo	CG	-0.0943
Gm07	14368591	14368754	Gmdrm	hypo	CG	-0.3167
Gm07	14386621	14386664	Gmdrm	hypo	CG	-0.0784
Gm07	14420325	14420638	Gmdrm	hypo	CG	-0.0489
Gm07	14475566	14475741	Gmdrm	hypo	CG	-0.8078
Gm07	14532776	14532836	Gmdrm	hypo	CG	-0.1267
Gm07	14556116	14556128	Gmdrm	hypo	CG	-0.45
Gm07	14556681	14556898	Gmdrm	hypo	CG	-0.4792
Gm07	14557044	14557117	Gmdrm	hypo	CG	-0.345
Gm07	14563856	14563930	Gmdrm	hypo	CG	-0.89
Gm07	14566967	14567460	Gmdrm	hypo	CG	-0.2533
Gm07	14632228	14632328	Gmdrm	hypo	CG	-0.87
Gm07	14643480	14643669	Gmdrm	hypo	CG	-0.4351
Gm07	14662031	14662343	Gmdrm	hypo	CG	-0.3165

Gm07	14664168	14664403	Gmdrm	hypo	CG	-0.5868
Gm07	14665477	14665795	Gmdrm	hypo	CG	-0.58
Gm07	14676438	14676541	Gmdrm	hypo	CG	-0.3283
Gm07	14740093	14740167	Gmdrm	hypo	CG	-0.915
Gm07	14824382	14824737	Gmdrm	hypo	CG	-0.73
Gm07	14844930	14845008	Gmdrm	hypo	CG	-0.8075
Gm07	14858839	14858958	Gmdrm	hypo	CG	-0.4838
Gm07	14859083	14859185	Gmdrm	hypo	CG	-0.8183
Gm07	14865089	14865276	Gmdrm	hypo	CG	-0.26
Gm07	14865818	14865929	Gmdrm	hypo	CG	-0.85
Gm07	14866521	14866683	Gmdrm	hypo	CG	-0.0725
Gm07	14866922	14867191	Gmdrm	hypo	CG	-0.4205
Gm07	14875032	14875229	Gmdrm	hypo	CG	-0.598
Gm07	14883105	14883169	Gmdrm	hypo	CG	-0.608
Gm07	14894627	14894734	Gmdrm	hypo	CG	-0.548
Gm07	14915800	14915847	Gmdrm	hypo	CG	-0.0962
Gm07	14916258	14916525	Gmdrm	hypo	CG	-0.0634
Gm07	14921478	14921678	Gmdrm	hypo	CG	-0.302
Gm07	14929983	14930169	Gmdrm	hypo	CG	-0.1648
Gm07	14930988	14931131	Gmdrm	hypo	CG	-0.5862
Gm07	14955452	14955501	Gmdrm	hypo	CG	-0.5584
Gm07	14956473	14956522	Gmdrm	hypo	CG	-0.722
Gm07	14956741	14956822	Gmdrm	hypo	CG	-0.695
Gm07	14963739	14963897	Gmdrm	hypo	CG	-0.9637
Gm07	14967240	14967377	Gmdrm	hypo	CG	-0.895
Gm07	14987359	14987488	Gmdrm	hypo	CG	-0.6325
Gm07	15076879	15077084	Gmdrm	hypo	CG	-0.5825
Gm07	15077212	15077396	Gmdrm	hypo	CG	-0.5807
Gm07	15084986	15085138	Gmdrm	hypo	CG	-0.031
Gm07	15133000	15133120	Gmdrm	hypo	CG	-0.8317
Gm07	15141358	15141483	Gmdrm	hypo	CG	-0.2929
Gm07	15154256	15154542	Gmdrm	hypo	CG	-0.2507
Gm07	15172386	15172467	Gmdrm	hypo	CG	-0.798
Gm07	15172862	15173240	Gmdrm	hypo	CG	-0.905
Gm07	15216551	15216713	Gmdrm	hypo	CG	-0.3654
Gm07	15218447	15218516	Gmdrm	hypo	CG	-0.6417
Gm07	15220639	15220786	Gmdrm	hypo	CG	-0.9691
Gm07	15222572	15222715	Gmdrm	hypo	CG	-0.539
Gm07	15239300	15239461	Gmdrm	hypo	CG	-0.6175
Gm07	15246524	15246666	Gmdrm	hypo	CG	-0.6942
Gm07	15250233	15250266	Gmdrm	hypo	CG	-0.96
Gm07	15259310	15259394	Gmdrm	hypo	CG	-0.1933
Gm07	15268056	15268198	Gmdrm	hypo	CG	-0.6711
Gm07	15307063	15307848	Gmdrm	hypo	CG	-0.5853
Gm07	15308228	15308272	Gmdrm	hypo	CG	-0.93
Gm07	15412208	15412371	Gmdrm	hypo	CG	-0.5275

Gm07	15426755	15426789	Gmdrm	hypo	CG	-0.87
Gm07	15426940	15426988	Gmdrm	hypo	CG	-0.3663
Gm07	15427447	15427595	Gmdrm	hypo	CG	-0.215
Gm07	15443134	15443153	Gmdrm	hypo	CG	-0.27
Gm07	15488940	15489018	Gmdrm	hypo	CG	-0.9212
Gm07	15493718	15493791	Gmdrm	hypo	CG	-0.1475
Gm07	15493893	15494008	Gmdrm	hypo	CG	-0.06
Gm07	15507429	15507666	Gmdrm	hypo	CG	-0.8125
Gm07	15557179	15557265	Gmdrm	hypo	CG	-0.6684
Gm07	15557557	15557687	Gmdrm	hypo	CG	-0.3025
Gm07	15570196	15570626	Gmdrm	hypo	CG	-0.0589
Gm07	15585750	15586029	Gmdrm	hypo	CG	-0.9079
Gm07	15618419	15618794	Gmdrm	hypo	CG	-0.2297
Gm07	15642569	15642713	Gmdrm	hypo	CG	-0.536
Gm07	15677381	15677556	Gmdrm	hypo	CG	-0.24
Gm07	15695232	15695476	Gmdrm	hypo	CG	-0.73
Gm07	15705790	15705987	Gmdrm	hypo	CG	-0.4066
Gm07	15706250	15706399	Gmdrm	hypo	CG	-0.7169
Gm07	15712395	15712530	Gmdrm	hypo	CG	-0.8622
Gm07	15737092	15737213	Gmdrm	hypo	CG	-0.8187
Gm07	15740107	15740573	Gmdrm	hypo	CG	-0.0507
Gm07	15748635	15748783	Gmdrm	hypo	CG	-0.1286
Gm07	15766546	15766694	Gmdrm	hypo	CG	-0.188
Gm07	15812164	15812333	Gmdrm	hypo	CG	-0.291
Gm07	15812453	15812641	Gmdrm	hypo	CG	-0.1568
Gm07	15817202	15817532	Gmdrm	hypo	CG	-0.49
Gm07	15820410	15820566	Gmdrm	hypo	CG	-0.955
Gm07	15905223	15905512	Gmdrm	hypo	CG	-0.5591
Gm07	15907210	15907793	Gmdrm	hypo	CG	-0.1844
Gm07	15911442	15911606	Gmdrm	hypo	CG	-0.8984
Gm07	15913687	15913744	Gmdrm	hypo	CG	-0.6275
Gm07	15917334	15917498	Gmdrm	hypo	CG	-0.3008
Gm07	15917815	15918004	Gmdrm	hypo	CG	-0.7436
Gm07	15946053	15946134	Gmdrm	hypo	CG	-0.955
Gm07	15956395	15956473	Gmdrm	hypo	CG	-0.032
Gm07	15979046	15979121	Gmdrm	hypo	CG	-0.6808
Gm07	15980318	15980403	Gmdrm	hypo	CG	-0.38
Gm07	15998848	15998878	Gmdrm	hypo	CG	-0.7184
Gm07	15999003	15999158	Gmdrm	hypo	CG	-0.7283
Gm07	15999681	15999940	Gmdrm	hypo	CG	-0.5475
Gm07	16013814	16013987	Gmdrm	hypo	CG	-0.509
Gm07	16031984	16032217	Gmdrm	hypo	CG	-0.042
Gm07	16036380	16036520	Gmdrm	hypo	CG	-0.46
Gm07	16045930	16046060	Gmdrm	hypo	CG	-0.7741
Gm07	16070480	16070670	Gmdrm	hypo	CG	-0.8
Gm07	16075142	16075705	Gmdrm	hypo	CG	-0.023

Gm07	16081436	16081525	Gmdrm	hypo	CG	-0.85
Gm07	16099182	16099288	Gmdrm	hypo	CG	-0.4325
Gm07	16107264	16107597	Gmdrm	hypo	CG	-0.256
Gm07	16110890	16111228	Gmdrm	hypo	CG	-0.0552
Gm07	16116857	16117091	Gmdrm	hypo	CG	-0.1342
Gm07	16124390	16124410	Gmdrm	hypo	CG	-0.6362
Gm07	16138352	16138463	Gmdrm	hypo	CG	-0.738
Gm07	16149576	16149607	Gmdrm	hypo	CG	-0.5133
Gm07	16153207	16153268	Gmdrm	hypo	CG	-0.8766
Gm07	16207693	16207896	Gmdrm	hypo	CG	-0.0512
Gm07	16215733	16215890	Gmdrm	hypo	CG	-0.74
Gm07	16244840	16244958	Gmdrm	hypo	CG	-0.905
Gm07	16282951	16283059	Gmdrm	hypo	CG	-0.3784
Gm07	16285215	16285242	Gmdrm	hypo	CG	-0.2483
Gm07	16286313	16286469	Gmdrm	hypo	CG	-0.255
Gm07	16286888	16287332	Gmdrm	hypo	CG	-0.2695
Gm07	16287607	16287710	Gmdrm	hypo	CG	-0.1667
Gm07	16315939	16315953	Gmdrm	hypo	CG	-0.7484
Gm07	16316129	16316261	Gmdrm	hypo	CG	-0.2775
Gm07	16322668	16322871	Gmdrm	hypo	CG	-0.5837
Gm07	16323992	16324138	Gmdrm	hypo	CG	-0.1038
Gm07	16325921	16326005	Gmdrm	hypo	CG	-0.1567
Gm07	16365875	16366123	Gmdrm	hypo	CG	-0.3715
Gm07	16367000	16367266	Gmdrm	hypo	CG	-0.6157
Gm07	16367451	16367768	Gmdrm	hypo	CG	-0.4407
Gm07	16380015	16380404	Gmdrm	hypo	CG	-0.7628
Gm07	16382015	16382174	Gmdrm	hypo	CG	-0.121
Gm07	16382502	16382777	Gmdrm	hypo	CG	-0.6769
Gm07	16384799	16384820	Gmdrm	hypo	CG	-0.705
Gm07	16423883	16424268	Gmdrm	hypo	CG	-0.3237
Gm07	16427172	16427355	Gmdrm	hypo	CG	-0.8289
Gm07	16427793	16427964	Gmdrm	hypo	CG	-0.1212
Gm07	16430550	16430841	Gmdrm	hypo	CG	-0.3495
Gm07	16443898	16444030	Gmdrm	hypo	CG	-0.2267
Gm07	16447746	16448123	Gmdrm	hypo	CG	-0.5733
Gm07	16481887	16482030	Gmdrm	hypo	CG	-0.064
Gm07	16495513	16495666	Gmdrm	hypo	CG	-0.0781
Gm07	16506043	16506151	Gmdrm	hypo	CG	-0.5633
Gm07	16509302	16509606	Gmdrm	hypo	CG	-0.235
Gm07	16536980	16537071	Gmdrm	hypo	CG	-0.844
Gm07	16537829	16538019	Gmdrm	hypo	CG	-0.068
Gm07	16538866	16538954	Gmdrm	hypo	CG	-0.9476
Gm07	16548714	16548818	Gmdrm	hypo	CG	-0.6938
Gm07	16560537	16560719	Gmdrm	hypo	CG	-0.703
Gm07	16582180	16582294	Gmdrm	hypo	CG	-0.3816
Gm07	16623004	16623142	Gmdrm	hypo	CG	-0.174

Gm07	16623257	16623771	Gmdrm	hypo	CG	-0.3571
Gm07	16653245	16653393	Gmdrm	hypo	CG	-0.49
Gm07	16653829	16653998	Gmdrm	hypo	CG	-0.8136
Gm07	16656003	16656374	Gmdrm	hypo	CG	-0.8777
Gm07	16656505	16656555	Gmdrm	hypo	CG	-0.9483
Gm07	16658186	16658520	Gmdrm	hypo	CG	-0.6677
Gm07	16663316	16664280	Gmdrm	hypo	CG	-0.6546
Gm07	16664330	16664445	Gmdrm	hypo	CG	-0.3538
Gm07	16664553	16664873	Gmdrm	hypo	CG	-0.2808
Gm07	16665013	16665365	Gmdrm	hypo	CG	-0.34
Gm07	16688797	16688962	Gmdrm	hypo	CG	-0.05
Gm07	16738617	16738796	Gmdrm	hypo	CG	-0.82
Gm07	16741556	16741791	Gmdrm	hypo	CG	-0.452
Gm07	16753265	16753660	Gmdrm	hypo	CG	-0.0616
Gm07	16778360	16778822	Gmdrm	hypo	CG	-0.4332
Gm07	16806281	16806488	Gmdrm	hypo	CG	-0.4825
Gm07	16809545	16809586	Gmdrm	hypo	CG	-0.96
Gm07	16821843	16822011	Gmdrm	hypo	CG	-0.0333
Gm07	16838159	16838289	Gmdrm	hypo	CG	-0.094
Gm07	16845764	16846032	Gmdrm	hypo	CG	-0.06
Gm07	16879668	16879718	Gmdrm	hypo	CG	-0.3037
Gm07	16905667	16905851	Gmdrm	hypo	CG	-0.0638
Gm07	16912197	16912630	Gmdrm	hypo	CG	-0.2766
Gm07	16974101	16974173	Gmdrm	hypo	CG	-0.7151
Gm07	16975650	16976038	Gmdrm	hypo	CG	-0.3467
Gm07	17015468	17015665	Gmdrm	hypo	CG	-0.9286
Gm07	17018927	17019055	Gmdrm	hypo	CG	-0.3857
Gm07	17019192	17019391	Gmdrm	hypo	CG	-0.677
Gm07	17021586	17021720	Gmdrm	hypo	CG	-0.1668
Gm07	17022502	17022601	Gmdrm	hypo	CG	-0.435
Gm07	17022768	17022790	Gmdrm	hypo	CG	-0.375
Gm07	17031041	17031186	Gmdrm	hypo	CG	-0.3586
Gm07	17038706	17038751	Gmdrm	hypo	CG	-0.9133
Gm07	17041510	17041723	Gmdrm	hypo	CG	-0.9489
Gm07	17044557	17044622	Gmdrm	hypo	CG	-0.2575
Gm07	17044726	17044766	Gmdrm	hypo	CG	-0.1066
Gm07	17044926	17045176	Gmdrm	hypo	CG	-0.09
Gm07	17055530	17055628	Gmdrm	hypo	CG	-0.1217
Gm07	17066221	17066292	Gmdrm	hypo	CG	-0.3111
Gm07	17066749	17066893	Gmdrm	hypo	CG	-0.9444
Gm07	17094057	17094271	Gmdrm	hypo	CG	-0.4515
Gm07	17094694	17094787	Gmdrm	hypo	CG	-0.8533
Gm07	17099031	17099240	Gmdrm	hypo	CG	-0.8294
Gm07	17105228	17105368	Gmdrm	hypo	CG	-0.65
Gm07	17105758	17105818	Gmdrm	hypo	CG	-0.44
Gm07	17131031	17131073	Gmdrm	hypo	CG	-0.74

Gm07	17167240	17167370	Gmdrm	hypo	CG	-0.5775
Gm07	17180560	17180688	Gmdrm	hypo	CG	-0.108
Gm07	17192338	17192395	Gmdrm	hypo	CG	-0.0833
Gm07	17200922	17200967	Gmdrm	hypo	CG	-0.1216
Gm07	17224045	17224462	Gmdrm	hypo	CG	-0.1189
Gm07	17280634	17280754	Gmdrm	hypo	CG	-0.6634
Gm07	17281030	17281171	Gmdrm	hypo	CG	-0.932
Gm07	17281366	17281482	Gmdrm	hypo	CG	-0.914
Gm07	17281974	17282073	Gmdrm	hypo	CG	-0.0779
Gm07	17288032	17288142	Gmdrm	hypo	CG	-0.7312
Gm07	17322430	17322621	Gmdrm	hypo	CG	-0.5893
Gm07	17324083	17324451	Gmdrm	hypo	CG	-0.9411
Gm07	17325551	17325692	Gmdrm	hypo	CG	-0.4343
Gm07	17325929	17325947	Gmdrm	hypo	CG	-0.1217
Gm07	17326849	17326965	Gmdrm	hypo	CG	-0.3788
Gm07	17328054	17328194	Gmdrm	hypo	CG	-0.474
Gm07	17334299	17334735	Gmdrm	hypo	CG	-0.5957
Gm07	17358164	17358226	Gmdrm	hypo	CG	-0.5456
Gm07	17362992	17363081	Gmdrm	hypo	CG	-0.8467
Gm07	17363230	17363311	Gmdrm	hypo	CG	-0.7388
Gm07	17371408	17371479	Gmdrm	hypo	CG	-0.631
Gm07	17376383	17376534	Gmdrm	hypo	CG	-0.5143
Gm07	17378884	17379062	Gmdrm	hypo	CG	-0.785
Gm07	17379281	17379428	Gmdrm	hypo	CG	-0.5624
Gm07	17397177	17397387	Gmdrm	hypo	CG	-0.7086
Gm07	17401862	17402075	Gmdrm	hypo	CG	-0.65
Gm07	17403336	17403414	Gmdrm	hypo	CG	-0.06
Gm07	17459570	17459667	Gmdrm	hypo	CG	-0.5642
Gm07	17513277	17513608	Gmdrm	hypo	CG	-0.223
Gm07	17515679	17515811	Gmdrm	hypo	CG	-0.8016
Gm07	17568087	17568133	Gmdrm	hypo	CG	-0.3734
Gm07	17571631	17571801	Gmdrm	hypo	CG	-0.6192
Gm07	17572094	17572290	Gmdrm	hypo	CG	-0.1417
Gm07	17586067	17586480	Gmdrm	hypo	CG	-0.5855
Gm07	17599524	17599693	Gmdrm	hypo	CG	-0.7617
Gm07	17601707	17601805	Gmdrm	hypo	CG	-0.885
Gm07	17626970	17627025	Gmdrm	hypo	CG	-0.695
Gm07	17630598	17631105	Gmdrm	hypo	CG	-0.8386
Gm07	17631918	17632209	Gmdrm	hypo	CG	-0.644
Gm07	17632636	17632750	Gmdrm	hypo	CG	-0.9412
Gm07	17634094	17634248	Gmdrm	hypo	CG	-0.7284
Gm07	17650571	17650598	Gmdrm	hypo	CG	-0.74
Gm07	17662999	17663308	Gmdrm	hypo	CG	-0.8458
Gm07	17666260	17666478	Gmdrm	hypo	CG	-0.862
Gm07	17666618	17666943	Gmdrm	hypo	CG	-0.7344
Gm07	17720955	17720998	Gmdrm	hypo	CG	-0.9675

Gm07	17728091	17728227	Gmdrm	hypo	CG	-0.7767
Gm07	17749704	17749929	Gmdrm	hypo	CG	-0.48
Gm07	17750895	17751049	Gmdrm	hypo	CG	-0.635
Gm07	17751165	17751228	Gmdrm	hypo	CG	-0.9325
Gm07	17764614	17764748	Gmdrm	hypo	CG	-0.075
Gm07	17767502	17767610	Gmdrm	hypo	CG	-0.75
Gm07	17777936	17778144	Gmdrm	hypo	CG	-0.6787
Gm07	17778478	17778724	Gmdrm	hypo	CG	-0.6873
Gm07	17796371	17797019	Gmdrm	hypo	CG	-0.3186
Gm07	17806024	17806262	Gmdrm	hypo	CG	-0.6774
Gm07	17806614	17806747	Gmdrm	hypo	CG	-0.9472
Gm07	17820991	17821178	Gmdrm	hypo	CG	-0.291
Gm07	17845442	17845928	Gmdrm	hypo	CG	-0.4914
Gm07	17852549	17852624	Gmdrm	hypo	CG	-0.6362
Gm07	17853019	17853257	Gmdrm	hypo	CG	-0.0839
Gm07	17866612	17867024	Gmdrm	hypo	CG	-0.5709
Gm07	17876500	17876580	Gmdrm	hypo	CG	-0.322
Gm07	17877060	17877589	Gmdrm	hypo	CG	-0.649
Gm07	17911588	17911690	Gmdrm	hypo	CG	-0.7967
Gm07	17911891	17912007	Gmdrm	hypo	CG	-0.1074
Gm07	17936498	17936635	Gmdrm	hypo	CG	-0.344
Gm07	17955732	17956099	Gmdrm	hypo	CG	-0.359
Gm07	17960249	17960279	Gmdrm	hypo	CG	-0.061
Gm07	17981589	17981775	Gmdrm	hypo	CG	-0.095
Gm07	18074268	18074746	Gmdrm	hypo	CG	-0.3195
Gm07	18076632	18077051	Gmdrm	hypo	CG	-0.9632
Gm07	18083584	18083652	Gmdrm	hypo	CG	-0.9117
Gm07	18084083	18084257	Gmdrm	hypo	CG	-0.241
Gm07	18131354	18131587	Gmdrm	hypo	CG	-0.38
Gm07	18131918	18131942	Gmdrm	hypo	CG	-0.745
Gm07	18166672	18166856	Gmdrm	hypo	CG	-0.7717
Gm07	18195012	18195142	Gmdrm	hypo	CG	-0.2558
Gm07	18204321	18204335	Gmdrm	hypo	CG	-0.4862
Gm07	18213514	18213611	Gmdrm	hypo	CG	-0.702
Gm07	18214574	18214774	Gmdrm	hypo	CG	-0.9714
Gm07	18349691	18349810	Gmdrm	hypo	CG	-0.6207
Gm07	18354936	18355036	Gmdrm	hypo	CG	-0.06
Gm07	18355927	18356109	Gmdrm	hypo	CG	-0.235
Gm07	18356899	18357079	Gmdrm	hypo	CG	-0.0262
Gm07	18364297	18364368	Gmdrm	hypo	CG	-0.6817
Gm07	18371253	18371764	Gmdrm	hypo	CG	-0.4055
Gm07	18372177	18372298	Gmdrm	hypo	CG	-0.8
Gm07	18373991	18374094	Gmdrm	hypo	CG	-0.034
Gm07	18392398	18393391	Gmdrm	hypo	CG	-0.03
Gm07	18427496	18427628	Gmdrm	hypo	CG	-0.2134
Gm07	18453419	18453520	Gmdrm	hypo	CG	-0.7387

Gm07	18459937	18460262	Gmdrm	hypo	CG	-0.2431
Gm07	18460487	18460561	Gmdrm	hypo	CG	-1
Gm07	18467510	18467627	Gmdrm	hypo	CG	-0.315
Gm07	18489728	18489870	Gmdrm	hypo	CG	-0.66
Gm07	18553743	18553883	Gmdrm	hypo	CG	-0.1981
Gm07	18581119	18581220	Gmdrm	hypo	CG	-0.08
Gm07	18583914	18584095	Gmdrm	hypo	CG	-0.072
Gm07	18586988	18587029	Gmdrm	hypo	CG	-0.65
Gm07	18592922	18593053	Gmdrm	hypo	CG	-0.1496
Gm07	18593599	18593734	Gmdrm	hypo	CG	-0.026
Gm07	18604989	18605176	Gmdrm	hypo	CG	-0.0343
Gm07	18640115	18640351	Gmdrm	hypo	CG	-0.135
Gm07	18648351	18648416	Gmdrm	hypo	CG	-0.0783
Gm07	18660000	18660307	Gmdrm	hypo	CG	-0.371
Gm07	18700749	18700833	Gmdrm	hypo	CG	-0.69
Gm07	18702820	18703044	Gmdrm	hypo	CG	-0.7728
Gm07	18756543	18756695	Gmdrm	hypo	CG	-0.038
Gm07	18800800	18800936	Gmdrm	hypo	CG	-0.53
Gm07	18816185	18816311	Gmdrm	hypo	CG	-0.066
Gm07	18823154	18823224	Gmdrm	hypo	CG	-0.246
Gm07	18839608	18839714	Gmdrm	hypo	CG	-0.86
Gm07	18840777	18840918	Gmdrm	hypo	CG	-0.1657
Gm07	18842681	18842775	Gmdrm	hypo	CG	-0.9712
Gm07	18853636	18854200	Gmdrm	hypo	CG	-0.2288
Gm07	18873284	18873494	Gmdrm	hypo	CG	-0.227
Gm07	18889556	18889739	Gmdrm	hypo	CG	-0.39
Gm07	18924707	18924822	Gmdrm	hypo	CG	-0.5187
Gm07	18932559	18932739	Gmdrm	hypo	CG	-0.3572
Gm07	18943029	18943148	Gmdrm	hypo	CG	-0.4245
Gm07	18944095	18944220	Gmdrm	hypo	CG	-0.4762
Gm07	18964670	18964751	Gmdrm	hypo	CG	-0.0763
Gm07	18964875	18965131	Gmdrm	hypo	CG	-0.0847
Gm07	18973647	18973674	Gmdrm	hypo	CG	-0.1633
Gm07	18976165	18976192	Gmdrm	hypo	CG	-0.3266
Gm07	18983327	18983434	Gmdrm	hypo	CG	-0.0257
Gm07	19026060	19026312	Gmdrm	hypo	CG	-0.8608
Gm07	19054519	19054843	Gmdrm	hypo	CG	-0.597
Gm07	19128855	19129100	Gmdrm	hypo	CG	-0.8562
Gm07	19131408	19131891	Gmdrm	hypo	CG	-0.2188
Gm07	19144675	19144801	Gmdrm	hypo	CG	-0.148
Gm07	19162910	19163114	Gmdrm	hypo	CG	-0.4955
Gm07	19189150	19189399	Gmdrm	hypo	CG	-0.055
Gm07	19255967	19256014	Gmdrm	hypo	CG	-0.076
Gm07	19283621	19283920	Gmdrm	hypo	CG	-0.225
Gm07	19284954	19285235	Gmdrm	hypo	CG	-0.2981
Gm07	19303481	19303548	Gmdrm	hypo	CG	-0.942

Gm07	19316444	19316783	Gmdrm	hypo	CG	-0.053
Gm07	19375831	19375980	Gmdrm	hypo	CG	-0.461
Gm07	19376298	19376430	Gmdrm	hypo	CG	-0.772
Gm07	19376932	19377126	Gmdrm	hypo	CG	-0.1028
Gm07	19379303	19379496	Gmdrm	hypo	CG	-0.5122
Gm07	19395040	19395144	Gmdrm	hypo	CG	-0.633
Gm07	19401100	19401219	Gmdrm	hypo	CG	-0.04
Gm07	19415632	19415802	Gmdrm	hypo	CG	-0.82
Gm07	19417026	19417246	Gmdrm	hypo	CG	-0.645
Gm07	19448658	19448919	Gmdrm	hypo	CG	-0.0683
Gm07	19449878	19450378	Gmdrm	hypo	CG	-0.0547
Gm07	19461985	19462072	Gmdrm	hypo	CG	-0.055
Gm07	19490490	19490797	Gmdrm	hypo	CG	-0.4864
Gm07	19535161	19535863	Gmdrm	hypo	CG	-0.1432
Gm07	19554486	19554556	Gmdrm	hypo	CG	-0.91
Gm07	19561183	19561677	Gmdrm	hypo	CG	-0.0706
Gm07	19564297	19564535	Gmdrm	hypo	CG	-0.2616
Gm07	19566717	19567260	Gmdrm	hypo	CG	-0.589
Gm07	19593947	19594935	Gmdrm	hypo	CG	-0.0431
Gm07	19680182	19680242	Gmdrm	hypo	CG	-0.1917
Gm07	19701710	19701995	Gmdrm	hypo	CG	-0.0517
Gm07	19708750	19708895	Gmdrm	hypo	CG	-0.8625
Gm07	19709006	19709072	Gmdrm	hypo	CG	-0.8775
Gm07	19715567	19715673	Gmdrm	hypo	CG	-0.4816
Gm07	19792273	19792615	Gmdrm	hypo	CG	-0.0422
Gm07	19843346	19843419	Gmdrm	hypo	CG	-0.1129
Gm07	19867762	19867853	Gmdrm	hypo	CG	-0.7167
Gm07	19873395	19873498	Gmdrm	hypo	CG	-0.259
Gm07	19888828	19889493	Gmdrm	hypo	CG	-0.0198
Gm07	19902647	19902678	Gmdrm	hypo	CG	-0.128
Gm07	20001838	20002079	Gmdrm	hypo	CG	-0.2083
Gm07	20002213	20002354	Gmdrm	hypo	CG	-0.494
Gm07	20004749	20004820	Gmdrm	hypo	CG	-0.745
Gm07	20016839	20017083	Gmdrm	hypo	CG	-0.88
Gm07	20017627	20017793	Gmdrm	hypo	CG	-0.48
Gm07	20040107	20040802	Gmdrm	hypo	CG	-0.0269
Gm07	20043313	20043490	Gmdrm	hypo	CG	-0.0563
Gm07	20082817	20083180	Gmdrm	hypo	CG	-0.0444
Gm07	20131575	20131847	Gmdrm	hypo	CG	-0.4091
Gm07	20211504	20211732	Gmdrm	hypo	CG	-0.0833
Gm07	20215574	20216574	Gmdrm	hypo	CG	-0.0366
Gm07	20223610	20223646	Gmdrm	hypo	CG	-0.28
Gm07	20247771	20248087	Gmdrm	hypo	CG	-0.3375
Gm07	20266024	20266097	Gmdrm	hypo	CG	-0.098
Gm07	20305942	20306574	Gmdrm	hypo	CG	-0.0295
Gm07	20383703	20384077	Gmdrm	hypo	CG	-0.0638

Gm07	20408631	20408732	Gmdrm	hypo	CG	-0.0867
Gm07	20441566	20441673	Gmdrm	hypo	CG	-0.055
Gm07	20465359	20465761	Gmdrm	hypo	CG	-0.0643
Gm07	20489269	20489472	Gmdrm	hypo	CG	-0.14
Gm07	20507551	20507654	Gmdrm	hypo	CG	-0.35
Gm07	20514743	20514955	Gmdrm	hypo	CG	-0.5487
Gm07	20546230	20546352	Gmdrm	hypo	CG	-0.51
Gm07	20563225	20563320	Gmdrm	hypo	CG	-0.94
Gm07	20572580	20572658	Gmdrm	hypo	CG	-0.1179
Gm07	20621497	20621706	Gmdrm	hypo	CG	-0.05
Gm07	20624487	20624722	Gmdrm	hypo	CG	-0.104
Gm07	20631519	20631645	Gmdrm	hypo	CG	-0.2
Gm07	20635166	20635310	Gmdrm	hypo	CG	-0.046
Gm07	20680166	20680258	Gmdrm	hypo	CG	-0.5549
Gm07	20791164	20791286	Gmdrm	hypo	CG	-0.3362
Gm07	20792634	20792667	Gmdrm	hypo	CG	-0.7766
Gm07	20809449	20809468	Gmdrm	hypo	CG	-0.375
Gm07	20874166	20874242	Gmdrm	hypo	CG	-0.0817
Gm07	20916339	20916528	Gmdrm	hypo	CG	-0.0485
Gm07	20960853	20960971	Gmdrm	hypo	CG	-0.099
Gm07	21008166	21008458	Gmdrm	hypo	CG	-0.7654
Gm07	21087027	21087160	Gmdrm	hypo	CG	-0.0786
Gm07	21139045	21139433	Gmdrm	hypo	CG	-0.0546
Gm07	21140158	21140252	Gmdrm	hypo	CG	-0.1084
Gm07	21164784	21164856	Gmdrm	hypo	CG	-0.435
Gm07	21164971	21165072	Gmdrm	hypo	CG	-0.4133
Gm07	21200111	21200318	Gmdrm	hypo	CG	-0.0356
Gm07	21292668	21292832	Gmdrm	hypo	CG	-0.69
Gm07	21297120	21297219	Gmdrm	hypo	CG	-0.9083
Gm07	21298004	21298071	Gmdrm	hypo	CG	-0.375
Gm07	21298689	21299202	Gmdrm	hypo	CG	-0.0456
Gm07	21405318	21405539	Gmdrm	hypo	CG	-0.485
Gm07	21431484	21431608	Gmdrm	hypo	CG	-0.042
Gm07	21433502	21433657	Gmdrm	hypo	CG	-0.042
Gm07	21461592	21462091	Gmdrm	hypo	CG	-0.0387
Gm07	21475027	21475079	Gmdrm	hypo	CG	-0.2117
Gm07	21476092	21476124	Gmdrm	hypo	CG	-0.2717
Gm07	21500611	21500747	Gmdrm	hypo	CG	-0.4025
Gm07	21520220	21520339	Gmdrm	hypo	CG	-0.0483
Gm07	21520485	21521061	Gmdrm	hypo	CG	-0.4467
Gm07	21525389	21525561	Gmdrm	hypo	CG	-0.4125
Gm07	21525762	21525963	Gmdrm	hypo	CG	-0.6421
Gm07	21563110	21563204	Gmdrm	hypo	CG	-0.3011
Gm07	21571592	21571662	Gmdrm	hypo	CG	-0.6725
Gm07	21581650	21582109	Gmdrm	hypo	CG	-0.0707
Gm07	21656410	21656636	Gmdrm	hypo	CG	-0.0533

Gm07	21824357	21825352	Gmdrm	hypo	CG	-0.0327
Gm07	21892045	21892161	Gmdrm	hypo	CG	-0.1563
Gm07	21936511	21937497	Gmdrm	hypo	CG	-0.0224
Gm07	22118212	22119179	Gmdrm	hypo	CG	-0.0211
Gm07	22132744	22133744	Gmdrm	hypo	CG	-0.0282
Gm07	22188811	22189411	Gmdrm	hypo	CG	-0.0337
Gm07	22226618	22227035	Gmdrm	hypo	CG	-0.0394
Gm07	22314242	22315230	Gmdrm	hypo	CG	-0.0221
Gm07	22323899	22324240	Gmdrm	hypo	CG	-0.0859
Gm07	22328929	22329239	Gmdrm	hypo	CG	-0.0565
Gm07	22402056	22402879	Gmdrm	hypo	CG	-0.0343
Gm07	22620208	22620445	Gmdrm	hypo	CG	-0.0544
Gm07	22620631	22620754	Gmdrm	hypo	CG	-0.954
Gm07	22687345	22687491	Gmdrm	hypo	CG	-0.0517
Gm07	22753932	22754098	Gmdrm	hypo	CG	-0.0278
Gm07	22795521	22795745	Gmdrm	hypo	CG	-0.6126
Gm07	22848019	22848242	Gmdrm	hypo	CG	-0.0457
Gm07	22863269	22864232	Gmdrm	hypo	CG	-0.0307
Gm07	22898793	22898973	Gmdrm	hypo	CG	-0.16
Gm07	22941432	22941494	Gmdrm	hypo	CG	-0.1667
Gm07	23008978	23009097	Gmdrm	hypo	CG	-0.165
Gm07	23063178	23063212	Gmdrm	hypo	CG	-0.0917
Gm07	23078965	23079104	Gmdrm	hypo	CG	-0.0722
Gm07	23416798	23417643	Gmdrm	hypo	CG	-0.0357
Gm07	23504357	23505357	Gmdrm	hypo	CG	-0.0294
Gm07	23669565	23669865	Gmdrm	hypo	CG	-0.16
Gm07	23791948	23792484	Gmdrm	hypo	CG	-0.0709
Gm07	23849688	23850102	Gmdrm	hypo	CG	-0.0402
Gm07	24019722	24019952	Gmdrm	hypo	CG	-0.0837
Gm07	24039522	24040080	Gmdrm	hypo	CG	-0.0233
Gm07	24043879	24044112	Gmdrm	hypo	CG	-0.0694
Gm07	24158332	24158806	Gmdrm	hypo	CG	-0.0413
Gm07	24174520	24175113	Gmdrm	hypo	CG	-0.0398
Gm07	24189709	24189976	Gmdrm	hypo	CG	-0.1065
Gm07	24228553	24229508	Gmdrm	hypo	CG	-0.0392
Gm07	24291036	24291640	Gmdrm	hypo	CG	-0.0403
Gm07	24345349	24345520	Gmdrm	hypo	CG	-0.0725
Gm07	24358149	24358510	Gmdrm	hypo	CG	-0.0466
Gm07	24431037	24431187	Gmdrm	hypo	CG	-0.0877
Gm07	24582711	24583178	Gmdrm	hypo	CG	-0.0394
Gm07	24679463	24679621	Gmdrm	hypo	CG	-0.575
Gm07	24708842	24709104	Gmdrm	hypo	CG	-0.0337
Gm07	24753857	24754031	Gmdrm	hypo	CG	-0.145
Gm07	24809738	24810035	Gmdrm	hypo	CG	-0.0992
Gm07	24844541	24844729	Gmdrm	hypo	CG	-0.122
Gm07	24864990	24865051	Gmdrm	hypo	CG	-0.0762

Gm07	24865189	24865430	Gmdrm	hypo	CG	-0.123
Gm07	24866143	24866354	Gmdrm	hypo	CG	-0.075
Gm07	24884880	24885065	Gmdrm	hypo	CG	-0.055
Gm07	24915504	24915605	Gmdrm	hypo	CG	-0.63
Gm07	24962984	24963181	Gmdrm	hypo	CG	-0.0654
Gm07	25001647	25001830	Gmdrm	hypo	CG	-0.037
Gm07	25438693	25438939	Gmdrm	hypo	CG	-0.145
Gm07	25458780	25458926	Gmdrm	hypo	CG	-0.709
Gm07	25482999	25483256	Gmdrm	hypo	CG	-0.6707
Gm07	25485206	25485234	Gmdrm	hypo	CG	-0.6563
Gm07	25487284	25487447	Gmdrm	hypo	CG	-0.0782
Gm07	25510537	25510735	Gmdrm	hypo	CG	-0.056
Gm07	25532185	25532310	Gmdrm	hypo	CG	-0.107
Gm07	25592022	25592540	Gmdrm	hypo	CG	-0.0725
Gm07	25736520	25736696	Gmdrm	hypo	CG	-0.0858
Gm07	25762364	25762389	Gmdrm	hypo	CG	-0.72
Gm07	25799499	25799623	Gmdrm	hypo	CG	-0.055
Gm07	25868950	25869006	Gmdrm	hypo	CG	-0.15
Gm07	26112215	26112412	Gmdrm	hypo	CG	-0.0572
Gm07	26124031	26124167	Gmdrm	hypo	CG	-0.8665
Gm07	26125387	26125522	Gmdrm	hypo	CG	-0.4522
Gm07	26127715	26127961	Gmdrm	hypo	CG	-0.93
Gm07	26176779	26176973	Gmdrm	hypo	CG	-0.5538
Gm07	26201273	26201453	Gmdrm	hypo	CG	-0.0655
Gm07	26300206	26300623	Gmdrm	hypo	CG	-0.0359
Gm07	26372928	26373039	Gmdrm	hypo	CG	-0.0934
Gm07	26723682	26724681	Gmdrm	hypo	CG	-0.0324
Gm07	26807749	26808340	Gmdrm	hypo	CG	-0.0514
Gm07	26931490	26931796	Gmdrm	hypo	CG	-0.05
Gm07	27050239	27050399	Gmdrm	hypo	CG	-0.1445
Gm07	27069282	27069618	Gmdrm	hypo	CG	-0.0548
Gm07	27086246	27086368	Gmdrm	hypo	CG	-0.0666
Gm07	27112952	27113298	Gmdrm	hypo	CG	-0.091
Gm07	27117182	27117207	Gmdrm	hypo	CG	-0.0657
Gm07	27149169	27149470	Gmdrm	hypo	CG	-0.0587
Gm07	27183337	27184026	Gmdrm	hypo	CG	-0.0335
Gm07	27187862	27188613	Gmdrm	hypo	CG	-0.0413
Gm07	27464245	27464413	Gmdrm	hypo	CG	-0.1014
Gm07	27504351	27504478	Gmdrm	hypo	CG	-0.926
Gm07	27507745	27507970	Gmdrm	hypo	CG	-0.065
Gm07	27525483	27525553	Gmdrm	hypo	CG	-0.096
Gm07	27545918	27546046	Gmdrm	hypo	CG	-0.0655
Gm07	27560636	27560819	Gmdrm	hypo	CG	-0.068
Gm07	27595895	27596019	Gmdrm	hypo	CG	-0.1408
Gm07	27637264	27637311	Gmdrm	hypo	CG	-0.1717
Gm07	27714050	27714361	Gmdrm	hypo	CG	-0.0657

Gm07	27729473	27729605	Gmdrm	hypo	CG	-0.1377
Gm07	27782914	27783147	Gmdrm	hypo	CG	-0.1358
Gm07	28044027	28044113	Gmdrm	hypo	CG	-0.0637
Gm07	28052068	28052173	Gmdrm	hypo	CG	-0.4366
Gm07	28061925	28061987	Gmdrm	hypo	CG	-0.095
Gm07	28129269	28129673	Gmdrm	hypo	CG	-0.0688
Gm07	28234481	28234602	Gmdrm	hypo	CG	-0.054
Gm07	28260723	28261260	Gmdrm	hypo	CG	-0.0333
Gm07	28449664	28449795	Gmdrm	hypo	CG	-0.05
Gm07	28459001	28459120	Gmdrm	hypo	CG	-0.1
Gm07	28647838	28647859	Gmdrm	hypo	CG	-0.755
Gm07	28669135	28669290	Gmdrm	hypo	CG	-0.725
Gm07	28676379	28676426	Gmdrm	hypo	CG	-0.0916
Gm07	28677504	28678058	Gmdrm	hypo	CG	-0.0702
Gm07	28703396	28704055	Gmdrm	hypo	CG	-0.0328
Gm07	28799448	28799621	Gmdrm	hypo	CG	-0.6329
Gm07	28802225	28802397	Gmdrm	hypo	CG	-0.6008
Gm07	28843487	28843859	Gmdrm	hypo	CG	-0.0809
Gm07	28856537	28856987	Gmdrm	hypo	CG	-0.0731
Gm07	28925404	28925970	Gmdrm	hypo	CG	-0.0348
Gm07	29038223	29039010	Gmdrm	hypo	CG	-0.0363
Gm07	29109291	29109664	Gmdrm	hypo	CG	-0.0664
Gm07	29149040	29149191	Gmdrm	hypo	CG	-0.1117
Gm07	29202178	29202461	Gmdrm	hypo	CG	-0.0635
Gm07	29259398	29260397	Gmdrm	hypo	CG	-0.0292
Gm07	29270112	29270364	Gmdrm	hypo	CG	-0.0753
Gm07	29397122	29397264	Gmdrm	hypo	CG	-0.06
Gm07	29434990	29435135	Gmdrm	hypo	CG	-0.0768
Gm07	29562649	29563124	Gmdrm	hypo	CG	-0.0456
Gm07	29637066	29637249	Gmdrm	hypo	CG	-0.0938
Gm07	29656578	29656922	Gmdrm	hypo	CG	-0.0933
Gm07	29693249	29694165	Gmdrm	hypo	CG	-0.0513
Gm07	29773569	29773652	Gmdrm	hypo	CG	-0.13
Gm07	29797737	29797922	Gmdrm	hypo	CG	-0.07
Gm07	29830262	29830304	Gmdrm	hypo	CG	-0.7516
Gm07	29911270	29911415	Gmdrm	hypo	CG	-0.7629
Gm07	29911844	29911948	Gmdrm	hypo	CG	-0.65
Gm07	30067957	30068119	Gmdrm	hypo	CG	-0.0583
Gm07	30094157	30094389	Gmdrm	hypo	CG	-0.2475
Gm07	30094949	30095084	Gmdrm	hypo	CG	-0.0762
Gm07	30107388	30108001	Gmdrm	hypo	CG	-0.6862
Gm07	30123227	30123348	Gmdrm	hypo	CG	-0.115
Gm07	30226403	30226545	Gmdrm	hypo	CG	-0.685
Gm07	30288492	30289044	Gmdrm	hypo	CG	-0.2013
Gm07	30408202	30408319	Gmdrm	hypo	CG	-0.5419
Gm07	30427059	30427148	Gmdrm	hypo	CG	-0.5949

Gm07	30432333	30432583	Gmdrm	hypo	CG	-0.0616
Gm07	30459959	30460233	Gmdrm	hypo	CG	-0.0335
Gm07	30486285	30486336	Gmdrm	hypo	CG	-0.0333
Gm07	30515262	30515328	Gmdrm	hypo	CG	-0.1171
Gm07	30562372	30562493	Gmdrm	hypo	CG	-0.0725
Gm07	30585147	30585192	Gmdrm	hypo	CG	-0.1763
Gm07	30586199	30586357	Gmdrm	hypo	CG	-0.4843
Gm07	30696507	30696793	Gmdrm	hypo	CG	-0.0395
Gm07	30744022	30744127	Gmdrm	hypo	CG	-0.655
Gm07	30754805	30754900	Gmdrm	hypo	CG	-0.5717
Gm07	30890711	30890765	Gmdrm	hypo	CG	-0.7084
Gm07	30890895	30890908	Gmdrm	hypo	CG	-0.4017
Gm07	30983154	30983837	Gmdrm	hypo	CG	-0.0375
Gm07	31002915	31002977	Gmdrm	hypo	CG	-0.0463
Gm07	31015208	31015270	Gmdrm	hypo	CG	-0.5484
Gm07	31059983	31060213	Gmdrm	hypo	CG	-0.1256
Gm07	31198265	31198491	Gmdrm	hypo	CG	-0.0694
Gm07	31282747	31283685	Gmdrm	hypo	CG	-0.0386
Gm07	31333635	31333929	Gmdrm	hypo	CG	-0.03
Gm07	31435662	31435767	Gmdrm	hypo	CG	-0.8691
Gm07	31436249	31436420	Gmdrm	hypo	CG	-0.7162
Gm07	31447264	31447926	Gmdrm	hypo	CG	-0.4617
Gm07	31449203	31449280	Gmdrm	hypo	CG	-0.915
Gm07	31478954	31479111	Gmdrm	hypo	CG	-0.1275
Gm07	31479261	31479493	Gmdrm	hypo	CG	-0.1272
Gm07	31485211	31485351	Gmdrm	hypo	CG	-0.2037
Gm07	31533341	31533586	Gmdrm	hypo	CG	-0.0709
Gm07	31538667	31538804	Gmdrm	hypo	CG	-0.065
Gm07	31594810	31594909	Gmdrm	hypo	CG	-0.0917
Gm07	31602656	31602882	Gmdrm	hypo	CG	-0.0481
Gm07	31610153	31610224	Gmdrm	hypo	CG	-0.035
Gm07	31710424	31710558	Gmdrm	hypo	CG	-0.055
Gm07	31716585	31716792	Gmdrm	hypo	CG	-0.0379
Gm07	31721832	31721888	Gmdrm	hypo	CG	-0.9133
Gm07	31726503	31727002	Gmdrm	hypo	CG	-0.757
Gm07	31727384	31727601	Gmdrm	hypo	CG	-0.726
Gm07	31728754	31728776	Gmdrm	hypo	CG	-0.7975
Gm07	31729502	31729664	Gmdrm	hypo	CG	-0.8817
Gm07	31756136	31756248	Gmdrm	hypo	CG	-0.935
Gm07	31828699	31829205	Gmdrm	hypo	CG	-0.0917
Gm07	31887066	31887128	Gmdrm	hypo	CG	-0.094
Gm07	31935521	31935599	Gmdrm	hypo	CG	-0.8933
Gm07	31949351	31949377	Gmdrm	hypo	CG	-0.0775
Gm07	31956669	31956726	Gmdrm	hypo	CG	-0.075
Gm07	31970169	31971168	Gmdrm	hypo	CG	-0.0369
Gm07	32004865	32005404	Gmdrm	hypo	CG	-0.0988

Gm07	32086037	32086213	Gmdrm	hypo	CG	-0.0884
Gm07	32108906	32109906	Gmdrm	hypo	CG	-0.0228
Gm07	32253850	32254170	Gmdrm	hypo	CG	-0.0793
Gm07	32371357	32371496	Gmdrm	hypo	CG	-0.0786
Gm07	32423502	32423810	Gmdrm	hypo	CG	-0.0913
Gm07	32425681	32426274	Gmdrm	hypo	CG	-0.0344
Gm07	32655057	32655116	Gmdrm	hypo	CG	-0.0534
Gm07	32683409	32683524	Gmdrm	hypo	CG	-0.046
Gm07	32701219	32701436	Gmdrm	hypo	CG	-0.0553
Gm07	32781287	32781307	Gmdrm	hypo	CG	-0.1063
Gm07	32784383	32784502	Gmdrm	hypo	CG	-0.1269
Gm07	32829280	32829393	Gmdrm	hypo	CG	-0.09
Gm07	32850537	32850639	Gmdrm	hypo	CG	-0.3512
Gm07	32875110	32875142	Gmdrm	hypo	CG	-0.0783
Gm07	32912916	32913496	Gmdrm	hypo	CG	-0.042
Gm07	32995498	32995826	Gmdrm	hypo	CG	-0.1262
Gm07	32997160	32997230	Gmdrm	hypo	CG	-0.1271
Gm07	33009714	33009825	Gmdrm	hypo	CG	-0.104
Gm07	33033033	33033596	Gmdrm	hypo	CG	-0.0611
Gm07	33048705	33048766	Gmdrm	hypo	CG	-0.0813
Gm07	33146910	33147177	Gmdrm	hypo	CG	-0.054
Gm07	33237048	33237161	Gmdrm	hypo	CG	-0.0533
Gm07	33368878	33369319	Gmdrm	hypo	CG	-0.0657
Gm07	33398826	33399125	Gmdrm	hypo	CG	-0.0352
Gm07	33478831	33479590	Gmdrm	hypo	CG	-0.0496
Gm07	33500033	33500147	Gmdrm	hypo	CG	-0.2617
Gm07	33522087	33522305	Gmdrm	hypo	CG	-0.066
Gm07	33535942	33536012	Gmdrm	hypo	CG	-0.077
Gm07	33627033	33627454	Gmdrm	hypo	CG	-0.0436
Gm07	33649226	33649395	Gmdrm	hypo	CG	-0.085
Gm07	33694062	33694139	Gmdrm	hypo	CG	-0.198
Gm07	33768767	33769731	Gmdrm	hypo	CG	-0.05
Gm07	33852480	33852686	Gmdrm	hypo	CG	-0.373
Gm07	33887987	33888070	Gmdrm	hypo	CG	-0.09
Gm07	33905390	33905731	Gmdrm	hypo	CG	-0.0458
Gm07	33950702	33950810	Gmdrm	hypo	CG	-0.0663
Gm07	34180778	34181094	Gmdrm	hypo	CG	-0.0467
Gm07	34184428	34184563	Gmdrm	hypo	CG	-0.9733
Gm07	34274753	34274837	Gmdrm	hypo	CG	-0.562
Gm07	34378587	34378745	Gmdrm	hypo	CG	-0.0781
Gm07	34396390	34396512	Gmdrm	hypo	CG	-0.0414
Gm07	34417535	34418222	Gmdrm	hypo	CG	-0.0426
Gm07	34439159	34439267	Gmdrm	hypo	CG	-0.1262
Gm07	34444195	34444428	Gmdrm	hypo	CG	-0.7983
Gm07	34482073	34482401	Gmdrm	hypo	CG	-0.2912
Gm07	34482533	34482573	Gmdrm	hypo	CG	-0.185

Gm07	34482982	34483086	Gmdrm	hypo	CG	-0.185
Gm07	34484634	34484756	Gmdrm	hypo	CG	-0.8862
Gm07	34485298	34485465	Gmdrm	hypo	CG	-0.7617
Gm07	34530259	34530368	Gmdrm	hypo	CG	-0.245
Gm07	34537829	34538163	Gmdrm	hypo	CG	-0.093
Gm07	34540833	34541385	Gmdrm	hypo	CG	-0.1196
Gm07	34546793	34546949	Gmdrm	hypo	CG	-0.03
Gm07	34604903	34605098	Gmdrm	hypo	CG	-0.0895
Gm07	34626175	34626450	Gmdrm	hypo	CG	-0.1683
Gm07	34638507	34638609	Gmdrm	hypo	CG	-0.105
Gm07	34684254	34684504	Gmdrm	hypo	CG	-0.6893
Gm07	34736993	34737141	Gmdrm	hypo	CG	-0.34
Gm07	34737718	34737786	Gmdrm	hypo	CG	-0.922
Gm07	34741423	34741927	Gmdrm	hypo	CG	-0.7173
Gm07	34804478	34804643	Gmdrm	hypo	CG	-0.6234
Gm07	34807270	34807447	Gmdrm	hypo	CG	-0.8037
Gm07	34835425	34835491	Gmdrm	hypo	CG	-0.0628
Gm07	34866271	34866318	Gmdrm	hypo	CG	-0.85
Gm07	34912602	34912663	Gmdrm	hypo	CG	-0.5917
Gm07	35023271	35023530	Gmdrm	hypo	CG	-0.285
Gm07	35027530	35027659	Gmdrm	hypo	CG	-0.235
Gm07	35028222	35028305	Gmdrm	hypo	CG	-0.73
Gm07	35057080	35057123	Gmdrm	hypo	CG	-0.3933
Gm07	35072481	35072920	Gmdrm	hypo	CG	-0.3908
Gm07	35183088	35183585	Gmdrm	hypo	CG	-0.0184
Gm07	35199632	35199821	Gmdrm	hypo	CG	-0.0487
Gm07	35256024	35256094	Gmdrm	hypo	CG	-0.292
Gm07	35260000	35260085	Gmdrm	hypo	CG	-0.789
Gm07	35260261	35260500	Gmdrm	hypo	CG	-0.8825
Gm07	35277606	35278112	Gmdrm	hypo	CG	-0.033
Gm07	35295800	35296140	Gmdrm	hypo	CG	-0.6308
Gm07	35304736	35304823	Gmdrm	hypo	CG	-0.5834
Gm07	35307099	35307171	Gmdrm	hypo	CG	-0.3125
Gm07	35307600	35307868	Gmdrm	hypo	CG	-0.7667
Gm07	35313474	35313627	Gmdrm	hypo	CG	-0.4983
Gm07	35314324	35314509	Gmdrm	hypo	CG	-0.4117
Gm07	35327560	35327641	Gmdrm	hypo	CG	-0.865
Gm07	35328166	35328314	Gmdrm	hypo	CG	-0.8292
Gm07	35331873	35332127	Gmdrm	hypo	CG	-0.04
Gm07	35342450	35342581	Gmdrm	hypo	CG	-0.5867
Gm07	35342807	35342860	Gmdrm	hypo	CG	-0.658
Gm07	35350044	35350274	Gmdrm	hypo	CG	-0.042
Gm07	35364684	35364883	Gmdrm	hypo	CG	-0.2813
Gm07	35365381	35365553	Gmdrm	hypo	CG	-0.0388
Gm07	35366419	35366614	Gmdrm	hypo	CG	-0.3117
Gm07	35368645	35368709	Gmdrm	hypo	CG	-0.6717

Gm07	35369428	35369507	Gmdrm	hypo	CG	-0.2575
Gm07	35369904	35370044	Gmdrm	hypo	CG	-0.7675
Gm07	35375293	35375364	Gmdrm	hypo	CG	-0.645
Gm07	35375529	35375688	Gmdrm	hypo	CG	-0.5017
Gm07	35415885	35416065	Gmdrm	hypo	CG	-0.7354
Gm07	35416577	35416855	Gmdrm	hypo	CG	-0.8327
Gm07	35417220	35417309	Gmdrm	hypo	CG	-0.8649
Gm07	35433476	35433712	Gmdrm	hypo	CG	-0.1862
Gm07	35434156	35434369	Gmdrm	hypo	CG	-0.1034
Gm07	35436056	35436222	Gmdrm	hypo	CG	-0.2343
Gm07	35437408	35437679	Gmdrm	hypo	CG	-0.08
Gm07	35437971	35438085	Gmdrm	hypo	CG	-0.6243
Gm07	35438419	35438508	Gmdrm	hypo	CG	-0.622
Gm07	35455663	35455729	Gmdrm	hypo	CG	-0.6684
Gm07	35458049	35458694	Gmdrm	hypo	CG	-0.2617
Gm07	35466014	35466368	Gmdrm	hypo	CG	-0.5418
Gm07	35496284	35496538	Gmdrm	hypo	CG	-0.1471
Gm07	35514482	35514820	Gmdrm	hypo	CG	-0.0334
Gm07	35624610	35624731	Gmdrm	hypo	CG	-0.855
Gm07	35633505	35633579	Gmdrm	hypo	CG	-0.958
Gm07	35635274	35635419	Gmdrm	hypo	CG	-0.3138
Gm07	35640491	35640653	Gmdrm	hypo	CG	-0.101
Gm07	35641927	35642027	Gmdrm	hypo	CG	-0.53
Gm07	35646961	35647101	Gmdrm	hypo	CG	-0.774
Gm07	35650765	35650933	Gmdrm	hypo	CG	-0.806
Gm07	35668065	35668237	Gmdrm	hypo	CG	-0.112
Gm07	35687022	35687059	Gmdrm	hypo	CG	-0.022
Gm07	35713486	35713824	Gmdrm	hypo	CG	-0.7522
Gm07	35730138	35730241	Gmdrm	hypo	CG	-0.31
Gm07	35746071	35746165	Gmdrm	hypo	CG	-0.1133
Gm07	35747883	35748304	Gmdrm	hypo	CG	-0.6494
Gm07	35759204	35759376	Gmdrm	hypo	CG	-0.421
Gm07	35759932	35760007	Gmdrm	hypo	CG	-0.83
Gm07	35760643	35760725	Gmdrm	hypo	CG	-0.9133
Gm07	35760830	35760936	Gmdrm	hypo	CG	-0.886
Gm07	35768565	35768599	Gmdrm	hypo	CG	-0.8383
Gm07	35780773	35780945	Gmdrm	hypo	CG	-0.515
Gm07	35785126	35785269	Gmdrm	hypo	CG	-0.5775
Gm07	35797591	35797771	Gmdrm	hypo	CG	-0.206
Gm07	35797874	35797978	Gmdrm	hypo	CG	-0.5825
Gm07	35827743	35827981	Gmdrm	hypo	CG	-0.9257
Gm07	35828105	35828346	Gmdrm	hypo	CG	-0.921
Gm07	35830619	35830813	Gmdrm	hypo	CG	-0.5522
Gm07	35841186	35841377	Gmdrm	hypo	CG	-0.0742
Gm07	35847469	35847528	Gmdrm	hypo	CG	-0.8975
Gm07	35859155	35859203	Gmdrm	hypo	CG	-0.2967

Gm07	35859749	35859990	Gmdrm	hypo	CG	-0.5472
Gm07	35865122	35865261	Gmdrm	hypo	CG	-0.938
Gm07	35865813	35865894	Gmdrm	hypo	CG	-0.122
Gm07	35869444	35869549	Gmdrm	hypo	CG	-0.63
Gm07	35870011	35870401	Gmdrm	hypo	CG	-0.347
Gm07	35910160	35910247	Gmdrm	hypo	CG	-0.5033
Gm07	35928288	35928549	Gmdrm	hypo	CG	-0.6838
Gm07	35952625	35952752	Gmdrm	hypo	CG	-0.85
Gm07	35964801	35964998	Gmdrm	hypo	CG	-0.8333
Gm07	35997898	35998044	Gmdrm	hypo	CG	-0.939
Gm07	36002345	36002520	Gmdrm	hypo	CG	-0.2845
Gm07	36005944	36006170	Gmdrm	hypo	CG	-0.8781
Gm07	36006841	36006952	Gmdrm	hypo	CG	-0.5467
Gm07	36009402	36009540	Gmdrm	hypo	CG	-0.3459
Gm07	36036218	36036373	Gmdrm	hypo	CG	-0.6666
Gm07	36054691	36054988	Gmdrm	hypo	CG	-0.1611
Gm07	36061469	36061860	Gmdrm	hypo	CG	-0.0363
Gm07	36074346	36074683	Gmdrm	hypo	CG	-0.2334
Gm07	36086044	36086112	Gmdrm	hypo	CG	-0.9775
Gm07	36088705	36088778	Gmdrm	hypo	CG	-0.9083
Gm07	36089494	36089598	Gmdrm	hypo	CG	-0.254
Gm07	36104814	36104945	Gmdrm	hypo	CG	-0.426
Gm07	36113495	36113659	Gmdrm	hypo	CG	-0.261
Gm07	36169538	36169622	Gmdrm	hypo	CG	-0.76
Gm07	36173748	36173881	Gmdrm	hypo	CG	-0.9424
Gm07	36175823	36175908	Gmdrm	hypo	CG	-0.8937
Gm07	36200756	36201028	Gmdrm	hypo	CG	-0.7145
Gm07	36218234	36218294	Gmdrm	hypo	CG	-0.63
Gm07	36242633	36242672	Gmdrm	hypo	CG	-0.965
Gm07	36260543	36260618	Gmdrm	hypo	CG	-0.8084
Gm07	36275701	36275870	Gmdrm	hypo	CG	-0.7233
Gm07	36276003	36276141	Gmdrm	hypo	CG	-0.9344
Gm07	36291021	36291294	Gmdrm	hypo	CG	-0.8673
Gm07	36299359	36299457	Gmdrm	hypo	CG	-0.25
Gm07	36300207	36300380	Gmdrm	hypo	CG	-0.26
Gm07	36325047	36325163	Gmdrm	hypo	CG	-0.6417
Gm07	36336836	36337260	Gmdrm	hypo	CG	-0.2923
Gm07	36338476	36338523	Gmdrm	hypo	CG	-0.9499
Gm07	36351676	36351780	Gmdrm	hypo	CG	-0.3166
Gm07	36354436	36355054	Gmdrm	hypo	CG	-0.5837
Gm07	36357417	36357714	Gmdrm	hypo	CG	-0.4625
Gm07	36379895	36380289	Gmdrm	hypo	CG	-0.4833
Gm07	36380680	36380754	Gmdrm	hypo	CG	-0.534
Gm07	36391956	36392036	Gmdrm	hypo	CG	-0.535
Gm07	36448575	36448674	Gmdrm	hypo	CG	-0.3917
Gm07	36462785	36462918	Gmdrm	hypo	CG	-0.8833

Gm07	36493032	36493208	Gmdrm	hypo	CG	-0.4767
Gm07	36506572	36506669	Gmdrm	hypo	CG	-0.89
Gm07	36521156	36521355	Gmdrm	hypo	CG	-0.9025
Gm07	36529905	36530143	Gmdrm	hypo	CG	-0.715
Gm07	36541138	36541291	Gmdrm	hypo	CG	-0.68
Gm07	36547695	36548055	Gmdrm	hypo	CG	-0.7684
Gm07	36550255	36550469	Gmdrm	hypo	CG	-0.915
Gm07	36555554	36555793	Gmdrm	hypo	CG	-0.7592
Gm07	36561009	36561371	Gmdrm	hypo	CG	-0.0963
Gm07	36561677	36561772	Gmdrm	hypo	CG	-0.217
Gm07	36579098	36579135	Gmdrm	hypo	CG	-0.036
Gm07	36582375	36582505	Gmdrm	hypo	CG	-0.213
Gm07	36582607	36582750	Gmdrm	hypo	CG	-0.3125
Gm07	36582859	36583163	Gmdrm	hypo	CG	-0.667
Gm07	36615559	36615829	Gmdrm	hypo	CG	-0.83
Gm07	36626093	36626180	Gmdrm	hypo	CG	-0.84
Gm07	36629872	36629943	Gmdrm	hypo	CG	-0.8975
Gm07	36652529	36652777	Gmdrm	hypo	CG	-0.4886
Gm07	36667513	36667810	Gmdrm	hypo	CG	-0.292
Gm07	36681673	36681781	Gmdrm	hypo	CG	-0.5662
Gm07	36711175	36711211	Gmdrm	hypo	CG	-0.772
Gm07	36714184	36714325	Gmdrm	hypo	CG	-0.04
Gm07	36753234	36753363	Gmdrm	hypo	CG	-0.363
Gm07	36753636	36753792	Gmdrm	hypo	CG	-0.92
Gm07	36753901	36754078	Gmdrm	hypo	CG	-0.6954
Gm07	36765936	36766116	Gmdrm	hypo	CG	-0.8643
Gm07	36808268	36808661	Gmdrm	hypo	CG	-0.5356
Gm07	36848957	36849132	Gmdrm	hypo	CG	-0.5211
Gm07	36854569	36854725	Gmdrm	hypo	CG	-0.8594
Gm07	36855513	36855781	Gmdrm	hypo	CG	-0.8865
Gm07	36896411	36896599	Gmdrm	hypo	CG	-0.866
Gm07	36896759	36896820	Gmdrm	hypo	CG	-0.865
Gm07	36898116	36898347	Gmdrm	hypo	CG	-0.1306
Gm07	36899514	36899964	Gmdrm	hypo	CG	-0.1063
Gm07	36903560	36903694	Gmdrm	hypo	CG	-0.6683
Gm07	36904098	36904231	Gmdrm	hypo	CG	-0.8475
Gm07	36917740	36917901	Gmdrm	hypo	CG	-0.7528
Gm07	36918181	36918306	Gmdrm	hypo	CG	-0.53
Gm07	36918784	36918863	Gmdrm	hypo	CG	-0.6984
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Gm07	36931575	36931627	Gmdrm	hypo	CG	-0.39
Gm07	36958845	36958903	Gmdrm	hypo	CG	-0.8584
Gm07	36971190	36971304	Gmdrm	hypo	CG	-0.9006
Gm07	36998796	36998940	Gmdrm	hypo	CG	-0.5667
Gm07	37049507	37049584	Gmdrm	hypo	CG	-0.6867
Gm07	37053025	37053127	Gmdrm	hypo	CG	-0.984

Gm07	37054529	37054584	Gmdrm	hypo	CG	-0.2512
Gm07	37067266	37067325	Gmdrm	hypo	CG	-0.5384
Gm07	37068578	37068881	Gmdrm	hypo	CG	-0.8185
Gm07	37111890	37112105	Gmdrm	hypo	CG	-0.6345
Gm07	37126102	37126494	Gmdrm	hypo	CG	-0.3991
Gm07	37128021	37128187	Gmdrm	hypo	CG	-0.095
Gm07	37138449	37138491	Gmdrm	hypo	CG	-0.145
Gm07	37138623	37138777	Gmdrm	hypo	CG	-0.397
Gm07	37183305	37183469	Gmdrm	hypo	CG	-0.87
Gm07	37183573	37183862	Gmdrm	hypo	CG	-0.7917
Gm07	37207716	37207769	Gmdrm	hypo	CG	-0.9516
Gm07	37208348	37208459	Gmdrm	hypo	CG	-0.37
Gm07	37209851	37209947	Gmdrm	hypo	CG	-0.8133
Gm07	37210783	37210939	Gmdrm	hypo	CG	-0.6912
Gm07	37221501	37221568	Gmdrm	hypo	CG	-0.722
Gm07	37224536	37224720	Gmdrm	hypo	CG	-0.721
Gm07	37225254	37225323	Gmdrm	hypo	CG	-0.2486
Gm07	37243338	37243457	Gmdrm	hypo	CG	-0.1242
Gm07	37249501	37249685	Gmdrm	hypo	CG	-0.7825
Gm07	37249879	37250029	Gmdrm	hypo	CG	-0.5643
Gm07	37253249	37253360	Gmdrm	hypo	CG	-0.885
Gm07	37271053	37271101	Gmdrm	hypo	CG	-0.8134
Gm07	37288517	37288656	Gmdrm	hypo	CG	-0.36
Gm07	37297980	37298061	Gmdrm	hypo	CG	-0.288
Gm07	37304534	37304917	Gmdrm	hypo	CG	-0.0595
Gm07	37331089	37331199	Gmdrm	hypo	CG	-0.234
Gm07	37365400	37365695	Gmdrm	hypo	CG	-0.8975
Gm07	37365959	37366165	Gmdrm	hypo	CG	-0.8382
Gm07	37366381	37366529	Gmdrm	hypo	CG	-0.935
Gm07	37381006	37381293	Gmdrm	hypo	CG	-0.78
Gm07	37386535	37386708	Gmdrm	hypo	CG	-0.8351
Gm07	37390997	37391090	Gmdrm	hypo	CG	-0.6112
Gm07	37403296	37403511	Gmdrm	hypo	CG	-0.8238
Gm07	37403615	37403850	Gmdrm	hypo	CG	-0.8291
Gm07	37467491	37467668	Gmdrm	hypo	CG	-0.1487
Gm07	37467788	37467862	Gmdrm	hypo	CG	-0.12
Gm07	37472722	37473157	Gmdrm	hypo	CG	-0.5377
Gm07	37478405	37479377	Gmdrm	hypo	CG	-0.0838
Gm07	37481238	37481289	Gmdrm	hypo	CG	-0.9674
Gm07	37484942	37484984	Gmdrm	hypo	CG	-0.3216
Gm07	37492933	37493013	Gmdrm	hypo	CG	-0.922
Gm07	37493150	37493365	Gmdrm	hypo	CG	-0.6663
Gm07	37501663	37501770	Gmdrm	hypo	CG	-0.9129
Gm07	37505314	37505655	Gmdrm	hypo	CG	-0.5125
Gm07	37505910	37506064	Gmdrm	hypo	CG	-0.5087
Gm07	37511147	37511214	Gmdrm	hypo	CG	-0.4362

Gm07	37555809	37555849	Gmdrm	hypo	CG	-0.505
Gm07	37564350	37564468	Gmdrm	hypo	CG	-0.08
Gm07	37580967	37581100	Gmdrm	hypo	CG	-0.4525
Gm07	37581206	37581279	Gmdrm	hypo	CG	-0.4584
Gm07	37631505	37631834	Gmdrm	hypo	CG	-0.3114
Gm07	37650374	37650460	Gmdrm	hypo	CG	-0.682
Gm07	37677630	37677708	Gmdrm	hypo	CG	-0.2775
Gm07	37680920	37681038	Gmdrm	hypo	CG	-0.355
Gm07	37683513	37683595	Gmdrm	hypo	CG	-0.068
Gm07	37701256	37701323	Gmdrm	hypo	CG	-0.7817
Gm07	37701595	37701933	Gmdrm	hypo	CG	-0.9729
Gm07	37711520	37711895	Gmdrm	hypo	CG	-0.4838
Gm07	37723457	37723808	Gmdrm	hypo	CG	-0.5307
Gm07	37761707	37761938	Gmdrm	hypo	CG	-0.47
Gm07	37813576	37813864	Gmdrm	hypo	CG	-0.2017
Gm07	37841426	37841757	Gmdrm	hypo	CG	-0.826
Gm07	37842321	37842700	Gmdrm	hypo	CG	-0.4214
Gm07	37849285	37849342	Gmdrm	hypo	CG	-0.835
Gm07	37906956	37907108	Gmdrm	hypo	CG	-0.66
Gm07	37923901	37924226	Gmdrm	hypo	CG	-0.6889
Gm07	37939894	37940008	Gmdrm	hypo	CG	-0.24
Gm07	37952595	37952690	Gmdrm	hypo	CG	-0.4914
Gm07	37952791	37952807	Gmdrm	hypo	CG	-0.68
Gm07	37955996	37956064	Gmdrm	hypo	CG	-0.2134
Gm07	37956225	37956590	Gmdrm	hypo	CG	-0.9145
Gm07	37959260	37959404	Gmdrm	hypo	CG	-0.5418
Gm07	37966704	37966860	Gmdrm	hypo	CG	-0.7314
Gm07	37967555	37967623	Gmdrm	hypo	CG	-0.1162
Gm07	37968265	37968573	Gmdrm	hypo	CG	-0.372
Gm07	37975934	37976160	Gmdrm	hypo	CG	-0.7
Gm07	37976295	37976373	Gmdrm	hypo	CG	-0.81
Gm07	37979612	37979702	Gmdrm	hypo	CG	-0.834
Gm07	38028183	38028261	Gmdrm	hypo	CG	-0.345
Gm07	38028888	38029078	Gmdrm	hypo	CG	-0.09
Gm07	38047540	38047694	Gmdrm	hypo	CG	-0.05
Gm07	38085020	38085121	Gmdrm	hypo	CG	-0.706
Gm07	38090741	38091027	Gmdrm	hypo	CG	-0.7613
Gm07	38091312	38091520	Gmdrm	hypo	CG	-0.8477
Gm07	38103592	38103805	Gmdrm	hypo	CG	-0.4968
Gm07	38110234	38110730	Gmdrm	hypo	CG	-0.4648
Gm07	38168218	38168288	Gmdrm	hypo	CG	-0.5488
Gm07	38195192	38195295	Gmdrm	hypo	CG	-0.4833
Gm07	38367007	38367105	Gmdrm	hypo	CG	-0.937
Gm07	38371313	38371585	Gmdrm	hypo	CG	-0.8691
Gm07	38381214	38381255	Gmdrm	hypo	CG	-0.62
Gm07	38381358	38381451	Gmdrm	hypo	CG	-0.4425

Gm07	38399826	38399884	Gmdrm	hypo	CG	-0.9483
Gm07	38491595	38491746	Gmdrm	hypo	CG	-0.038
Gm07	38500727	38501103	Gmdrm	hypo	CG	-0.2976
Gm07	38513115	38513217	Gmdrm	hypo	CG	-0.7445
Gm07	38519497	38519598	Gmdrm	hypo	CG	-0.415
Gm07	38545255	38545384	Gmdrm	hypo	CG	-0.63
Gm07	38554751	38554850	Gmdrm	hypo	CG	-0.1864
Gm07	38582415	38583214	Gmdrm	hypo	CG	-0.7886
Gm07	38584124	38584167	Gmdrm	hypo	CG	-0.815
Gm07	38585328	38585344	Gmdrm	hypo	CG	-0.6217
Gm07	38585942	38586070	Gmdrm	hypo	CG	-0.6686
Gm07	38608128	38608336	Gmdrm	hypo	CG	-0.8017
Gm07	38652455	38652598	Gmdrm	hypo	CG	-0.5531
Gm07	38708683	38708966	Gmdrm	hypo	CG	-0.1512
Gm07	38709362	38709545	Gmdrm	hypo	CG	-0.847
Gm07	38718964	38719121	Gmdrm	hypo	CG	-0.9183
Gm07	38719354	38719453	Gmdrm	hypo	CG	-0.9225
Gm07	38719591	38719722	Gmdrm	hypo	CG	-0.8808
Gm07	38737941	38738017	Gmdrm	hypo	CG	-0.0713
Gm07	38766191	38766718	Gmdrm	hypo	CG	-0.8078
Gm07	38773114	38773365	Gmdrm	hypo	CG	-0.8043
Gm07	38776699	38776784	Gmdrm	hypo	CG	-0.34
Gm07	38777295	38777557	Gmdrm	hypo	CG	-0.16
Gm07	38778430	38778634	Gmdrm	hypo	CG	-0.61
Gm07	38795460	38795618	Gmdrm	hypo	CG	-0.7385
Gm07	38845206	38845424	Gmdrm	hypo	CG	-0.7325
Gm07	38849398	38849478	Gmdrm	hypo	CG	-0.2137
Gm07	38864488	38864550	Gmdrm	hypo	CG	-0.9517
Gm07	38867702	38867804	Gmdrm	hypo	CG	-0.808
Gm07	38874720	38875278	Gmdrm	hypo	CG	-0.0323
Gm07	38898560	38898587	Gmdrm	hypo	CG	-0.8417
Gm07	38898710	38898826	Gmdrm	hypo	CG	-0.7274
Gm07	38907336	38907488	Gmdrm	hypo	CG	-0.3825
Gm07	38909919	38909937	Gmdrm	hypo	CG	-0.255
Gm07	38910833	38910948	Gmdrm	hypo	CG	-0.3038
Gm07	38911801	38911959	Gmdrm	hypo	CG	-0.296
Gm07	38912171	38912252	Gmdrm	hypo	CG	-0.3984
Gm07	38929240	38929292	Gmdrm	hypo	CG	-0.7529
Gm07	38952768	38952830	Gmdrm	hypo	CG	-0.489
Gm07	38952940	38953196	Gmdrm	hypo	CG	-0.7144
Gm07	38953483	38953568	Gmdrm	hypo	CG	-0.643
Gm07	38956249	38956400	Gmdrm	hypo	CG	-0.4983
Gm07	38956528	38956824	Gmdrm	hypo	CG	-0.1774
Gm07	38959008	38959151	Gmdrm	hypo	CG	-0.6825
Gm07	38965150	38965238	Gmdrm	hypo	CG	-0.9392
Gm07	38965567	38965650	Gmdrm	hypo	CG	-0.7938

Gm07	38976162	38976418	Gmdrm	hypo	CG	-0.044
Gm07	38976646	38976993	Gmdrm	hypo	CG	-0.7878
Gm07	38977269	38977435	Gmdrm	hypo	CG	-0.6875
Gm07	38978974	38979050	Gmdrm	hypo	CG	-0.9788
Gm07	38979425	38979777	Gmdrm	hypo	CG	-0.9529
Gm07	39008232	39008298	Gmdrm	hypo	CG	-0.2583
Gm07	39034842	39035021	Gmdrm	hypo	CG	-0.758
Gm07	39043276	39043374	Gmdrm	hypo	CG	-0.7085
Gm07	39057875	39058096	Gmdrm	hypo	CG	-0.8437
Gm07	39058322	39058416	Gmdrm	hypo	CG	-0.9599
Gm07	39074517	39074581	Gmdrm	hypo	CG	-0.786
Gm07	39087472	39087603	Gmdrm	hypo	CG	-0.7488
Gm07	39089458	39089550	Gmdrm	hypo	CG	-0.8517
Gm07	39104149	39104324	Gmdrm	hypo	CG	-0.1566
Gm07	39111058	39111085	Gmdrm	hypo	CG	-0.6583
Gm07	39117058	39117521	Gmdrm	hypo	CG	-0.5869
Gm07	39117857	39118375	Gmdrm	hypo	CG	-0.6761
Gm07	39121969	39122291	Gmdrm	hypo	CG	-0.5614
Gm07	39129333	39129427	Gmdrm	hypo	CG	-0.9666
Gm07	39129755	39129862	Gmdrm	hypo	CG	-0.8238
Gm07	39130210	39130536	Gmdrm	hypo	CG	-0.595
Gm07	39143764	39143926	Gmdrm	hypo	CG	-0.307
Gm07	39145399	39145478	Gmdrm	hypo	CG	-0.9017
Gm07	39150094	39150336	Gmdrm	hypo	CG	-0.605
Gm07	39180036	39180079	Gmdrm	hypo	CG	-0.2775
Gm07	39190504	39190865	Gmdrm	hypo	CG	-0.1156
Gm07	39192733	39192835	Gmdrm	hypo	CG	-0.8675
Gm07	39196124	39196302	Gmdrm	hypo	CG	-0.216
Gm07	39209621	39209685	Gmdrm	hypo	CG	-0.034
Gm07	39211471	39211532	Gmdrm	hypo	CG	-0.8687
Gm07	39230598	39230788	Gmdrm	hypo	CG	-0.0493
Gm07	39235825	39236037	Gmdrm	hypo	CG	-0.73
Gm07	39236513	39236673	Gmdrm	hypo	CG	-0.7557
Gm07	39241797	39241930	Gmdrm	hypo	CG	-0.132
Gm07	39245972	39246161	Gmdrm	hypo	CG	-0.875
Gm07	39248634	39249269	Gmdrm	hypo	CG	-0.1025
Gm07	39275319	39275387	Gmdrm	hypo	CG	-0.2033
Gm07	39275491	39275706	Gmdrm	hypo	CG	-0.3329
Gm07	39306159	39306446	Gmdrm	hypo	CG	-0.3241
Gm07	39312411	39312472	Gmdrm	hypo	CG	-0.175
Gm07	39315349	39315687	Gmdrm	hypo	CG	-0.0641
Gm07	39317278	39317424	Gmdrm	hypo	CG	-0.3962
Gm07	39319088	39319408	Gmdrm	hypo	CG	-0.8759
Gm07	39329610	39329678	Gmdrm	hypo	CG	-0.951
Gm07	39329963	39330015	Gmdrm	hypo	CG	-0.9667
Gm07	39331165	39331216	Gmdrm	hypo	CG	-0.2487

Gm07	39346618	39346846	Gmdrm	hypo	CG	-0.046
Gm07	39372910	39372973	Gmdrm	hypo	CG	-0.154
Gm07	39386636	39386690	Gmdrm	hypo	CG	-0.08
Gm07	39393921	39393975	Gmdrm	hypo	CG	-0.83
Gm07	39394679	39394839	Gmdrm	hypo	CG	-0.8416
Gm07	39410658	39410765	Gmdrm	hypo	CG	-0.8243
Gm07	39444150	39444168	Gmdrm	hypo	CG	-0.46
Gm07	39456520	39456632	Gmdrm	hypo	CG	-0.3
Gm07	39456778	39457038	Gmdrm	hypo	CG	-0.1483
Gm07	39561441	39561645	Gmdrm	hypo	CG	-0.6613
Gm07	39566849	39566987	Gmdrm	hypo	CG	-0.058
Gm07	39580154	39580281	Gmdrm	hypo	CG	-0.059
Gm07	39580459	39580674	Gmdrm	hypo	CG	-0.3587
Gm07	39582104	39582195	Gmdrm	hypo	CG	-0.782
Gm07	39582486	39582563	Gmdrm	hypo	CG	-0.628
Gm07	39599752	39599797	Gmdrm	hypo	CG	-0.9534
Gm07	39635704	39635900	Gmdrm	hypo	CG	-0.5
Gm07	39639087	39639258	Gmdrm	hypo	CG	-0.194
Gm07	39639377	39639607	Gmdrm	hypo	CG	-0.2183
Gm07	39645527	39645658	Gmdrm	hypo	CG	-0.5024
Gm07	39647098	39647170	Gmdrm	hypo	CG	-0.045
Gm07	39658458	39658647	Gmdrm	hypo	CG	-0.3375
Gm07	39671218	39671529	Gmdrm	hypo	CG	-0.67
Gm07	39696084	39696158	Gmdrm	hypo	CG	-0.7667
Gm07	39697471	39697701	Gmdrm	hypo	CG	-0.383
Gm07	39698385	39698462	Gmdrm	hypo	CG	-0.85
Gm07	39699171	39699344	Gmdrm	hypo	CG	-0.9293
Gm07	39700093	39700305	Gmdrm	hypo	CG	-0.8754
Gm07	39715382	39715492	Gmdrm	hypo	CG	-0.9517
Gm07	39735587	39735662	Gmdrm	hypo	CG	-0.672
Gm07	39740828	39740953	Gmdrm	hypo	CG	-0.4315
Gm07	39741181	39741218	Gmdrm	hypo	CG	-0.64
Gm07	39759422	39759474	Gmdrm	hypo	CG	-0.775
Gm07	39759685	39759724	Gmdrm	hypo	CG	-0.935
Gm07	39777510	39777639	Gmdrm	hypo	CG	-0.145
Gm07	39804031	39804187	Gmdrm	hypo	CG	-0.0266
Gm07	39825539	39826029	Gmdrm	hypo	CG	-0.4246
Gm07	39829271	39829568	Gmdrm	hypo	CG	-0.04
Gm07	39832463	39832490	Gmdrm	hypo	CG	-0.3733
Gm07	39838643	39838694	Gmdrm	hypo	CG	-0.2775
Gm07	39839001	39839116	Gmdrm	hypo	CG	-0.5837
Gm07	39839496	39839557	Gmdrm	hypo	CG	-0.93
Gm07	39839677	39839703	Gmdrm	hypo	CG	-0.9683
Gm07	39849307	39849442	Gmdrm	hypo	CG	-0.5108
Gm07	39851347	39851432	Gmdrm	hypo	CG	-0.6475
Gm07	39916802	39916910	Gmdrm	hypo	CG	-0.9037

Gm07	39967637	39967844	Gmdrm	hypo	CG	-0.037
Gm07	40023641	40023715	Gmdrm	hypo	CG	-0.975
Gm07	40026388	40026488	Gmdrm	hypo	CG	-0.74
Gm07	40062905	40062938	Gmdrm	hypo	CG	-0.6967
Gm07	40079085	40079226	Gmdrm	hypo	CG	-0.0625
Gm07	40097123	40097472	Gmdrm	hypo	CG	-0.0742
Gm07	40097580	40097757	Gmdrm	hypo	CG	-0.1372
Gm07	40099259	40099267	Gmdrm	hypo	CG	-0.98
Gm07	40099514	40099628	Gmdrm	hypo	CG	-0.6334
Gm07	40116907	40116947	Gmdrm	hypo	CG	-0.9033
Gm07	40119160	40119304	Gmdrm	hypo	CG	-0.6416
Gm07	40120637	40120851	Gmdrm	hypo	CG	-0.368
Gm07	40125355	40125387	Gmdrm	hypo	CG	-0.1433
Gm07	40134712	40134923	Gmdrm	hypo	CG	-0.061
Gm07	40135239	40135502	Gmdrm	hypo	CG	-0.0418
Gm07	40173571	40173839	Gmdrm	hypo	CG	-0.4496
Gm07	40195696	40195949	Gmdrm	hypo	CG	-0.5343
Gm07	40198748	40198983	Gmdrm	hypo	CG	-0.1295
Gm07	40225108	40225263	Gmdrm	hypo	CG	-0.1387
Gm07	40225416	40225937	Gmdrm	hypo	CG	-0.245
Gm07	40234918	40235076	Gmdrm	hypo	CG	-0.928
Gm07	40237650	40237774	Gmdrm	hypo	CG	-0.1013
Gm07	40259120	40259323	Gmdrm	hypo	CG	-0.8977
Gm07	40259530	40259545	Gmdrm	hypo	CG	-0.9084
Gm07	40265626	40265725	Gmdrm	hypo	CG	-0.25
Gm07	40275654	40275930	Gmdrm	hypo	CG	-0.399
Gm07	40276233	40276352	Gmdrm	hypo	CG	-0.2099
Gm07	40303117	40303180	Gmdrm	hypo	CG	-0.066
Gm07	40311972	40312104	Gmdrm	hypo	CG	-0.3728
Gm07	40321482	40321591	Gmdrm	hypo	CG	-0.972
Gm07	40323468	40323797	Gmdrm	hypo	CG	-0.0487
Gm07	40332951	40333319	Gmdrm	hypo	CG	-0.2418
Gm07	40337962	40338109	Gmdrm	hypo	CG	-0.964
Gm07	40400318	40400748	Gmdrm	hypo	CG	-0.2212
Gm07	40403188	40403404	Gmdrm	hypo	CG	-0.9387
Gm07	40450547	40450823	Gmdrm	hypo	CG	-0.5231
Gm07	40451862	40452232	Gmdrm	hypo	CG	-0.2227
Gm07	40452339	40452428	Gmdrm	hypo	CG	-0.525
Gm07	40460520	40460664	Gmdrm	hypo	CG	-0.3667
Gm07	40472860	40473194	Gmdrm	hypo	CG	-0.2407
Gm07	40480037	40480130	Gmdrm	hypo	CG	-0.546
Gm07	40482663	40482810	Gmdrm	hypo	CG	-0.5286
Gm07	40502058	40502204	Gmdrm	hypo	CG	-0.817
Gm07	40509051	40509166	Gmdrm	hypo	CG	-0.2991
Gm07	40509779	40509884	Gmdrm	hypo	CG	-0.798
Gm07	40533621	40533780	Gmdrm	hypo	CG	-0.5772

Gm07	40581610	40581774	Gmdrm	hypo	CG	-0.923
Gm07	40592160	40592387	Gmdrm	hypo	CG	-0.0386
Gm07	40627709	40627929	Gmdrm	hypo	CG	-0.9466
Gm07	40628811	40628972	Gmdrm	hypo	CG	-0.8416
Gm07	40642989	40643116	Gmdrm	hypo	CG	-0.0572
Gm07	40661489	40661658	Gmdrm	hypo	CG	-0.1862
Gm07	40662346	40662568	Gmdrm	hypo	CG	-0.0943
Gm07	40708155	40708331	Gmdrm	hypo	CG	-0.5566
Gm07	40708913	40708949	Gmdrm	hypo	CG	-0.165
Gm07	40710109	40710274	Gmdrm	hypo	CG	-0.1022
Gm07	40721929	40722064	Gmdrm	hypo	CG	-0.6257
Gm07	40738678	40738761	Gmdrm	hypo	CG	-0.127
Gm07	40746029	40746106	Gmdrm	hypo	CG	-0.5387
Gm07	40755612	40755756	Gmdrm	hypo	CG	-0.181
Gm07	40765394	40765567	Gmdrm	hypo	CG	-0.8228
Gm07	40765806	40765875	Gmdrm	hypo	CG	-0.874
Gm07	40793751	40793851	Gmdrm	hypo	CG	-0.5838
Gm07	40795160	40795500	Gmdrm	hypo	CG	-0.5455
Gm07	40795789	40796120	Gmdrm	hypo	CG	-0.4223
Gm07	40799752	40800053	Gmdrm	hypo	CG	-0.1544
Gm07	40802711	40802794	Gmdrm	hypo	CG	-0.032
Gm07	40809152	40809420	Gmdrm	hypo	CG	-0.725
Gm07	40814390	40814606	Gmdrm	hypo	CG	-0.3263
Gm07	40815032	40815308	Gmdrm	hypo	CG	-0.0625
Gm07	40815568	40816156	Gmdrm	hypo	CG	-0.275
Gm07	40817270	40817365	Gmdrm	hypo	CG	-0.8762
Gm07	40862947	40863067	Gmdrm	hypo	CG	-0.625
Gm07	40863333	40863484	Gmdrm	hypo	CG	-0.0937
Gm07	40879323	40879489	Gmdrm	hypo	CG	-0.8308
Gm07	40903561	40903608	Gmdrm	hypo	CG	-0.6517
Gm07	40909457	40909643	Gmdrm	hypo	CG	-0.145
Gm07	40947401	40947509	Gmdrm	hypo	CG	-0.675
Gm07	40963210	40963261	Gmdrm	hypo	CG	-0.66
Gm07	40987362	40987430	Gmdrm	hypo	CG	-0.51
Gm07	40987567	40987622	Gmdrm	hypo	CG	-0.0966
Gm07	41032964	41033271	Gmdrm	hypo	CG	-0.1006
Gm07	41052064	41052197	Gmdrm	hypo	CG	-0.0834
Gm07	41052820	41052834	Gmdrm	hypo	CG	-0.3233
Gm07	41061794	41062024	Gmdrm	hypo	CG	-0.0311
Gm07	41066345	41066441	Gmdrm	hypo	CG	-0.2337
Gm07	41089567	41089754	Gmdrm	hypo	CG	-0.6028
Gm07	41130985	41131050	Gmdrm	hypo	CG	-0.7067
Gm07	41140549	41140996	Gmdrm	hypo	CG	-0.52
Gm07	41143251	41143379	Gmdrm	hypo	CG	-0.97
Gm07	41155102	41155115	Gmdrm	hypo	CG	-0.25
Gm07	41155324	41155552	Gmdrm	hypo	CG	-0.3359

Gm07	41155658	41155798	Gmdrm	hypo	CG	-0.8733
Gm07	41157996	41158091	Gmdrm	hypo	CG	-0.493
Gm07	41158602	41158695	Gmdrm	hypo	CG	-0.3466
Gm07	41158974	41159085	Gmdrm	hypo	CG	-0.895
Gm07	41172280	41172459	Gmdrm	hypo	CG	-0.6245
Gm07	41194496	41194757	Gmdrm	hypo	CG	-0.1011
Gm07	41195599	41195836	Gmdrm	hypo	CG	-0.56
Gm07	41195980	41196229	Gmdrm	hypo	CG	-0.643
Gm07	41213984	41214043	Gmdrm	hypo	CG	-0.755
Gm07	41222609	41222909	Gmdrm	hypo	CG	-0.5996
Gm07	41223098	41223256	Gmdrm	hypo	CG	-0.843
Gm07	41225135	41225518	Gmdrm	hypo	CG	-0.5018
Gm07	41225838	41225946	Gmdrm	hypo	CG	-0.722
Gm07	41229413	41229484	Gmdrm	hypo	CG	-0.4373
Gm07	41230730	41230777	Gmdrm	hypo	CG	-0.9833
Gm07	41244067	41244319	Gmdrm	hypo	CG	-0.6044
Gm07	41248130	41248230	Gmdrm	hypo	CG	-0.0479
Gm07	41273717	41274019	Gmdrm	hypo	CG	-0.5984
Gm07	41281760	41282495	Gmdrm	hypo	CG	-0.43
Gm07	41299990	41300082	Gmdrm	hypo	CG	-0.409
Gm07	41350408	41350455	Gmdrm	hypo	CG	-0.723
Gm07	41355911	41355935	Gmdrm	hypo	CG	-0.1783
Gm07	41362836	41363205	Gmdrm	hypo	CG	-0.0258
Gm07	41367128	41367510	Gmdrm	hypo	CG	-0.2688
Gm07	41404297	41404360	Gmdrm	hypo	CG	-0.1488
Gm07	41419550	41419842	Gmdrm	hypo	CG	-0.5925
Gm07	41420114	41420133	Gmdrm	hypo	CG	-0.7134
Gm07	41422412	41422571	Gmdrm	hypo	CG	-0.71
Gm07	41454229	41454569	Gmdrm	hypo	CG	-0.195
Gm07	41462366	41462636	Gmdrm	hypo	CG	-0.1975
Gm07	41468086	41468665	Gmdrm	hypo	CG	-0.0453
Gm07	41469767	41469788	Gmdrm	hypo	CG	-0.2817
Gm07	41520039	41520097	Gmdrm	hypo	CG	-0.868
Gm07	41532495	41532874	Gmdrm	hypo	CG	-0.147
Gm07	41541868	41541944	Gmdrm	hypo	CG	-0.51
Gm07	41581281	41581524	Gmdrm	hypo	CG	-0.5715
Gm07	41594153	41594455	Gmdrm	hypo	CG	-0.0535
Gm07	41610989	41611074	Gmdrm	hypo	CG	-0.68
Gm07	41611273	41611380	Gmdrm	hypo	CG	-0.5583
Gm07	41640099	41640849	Gmdrm	hypo	CG	-0.0983
Gm07	41645300	41645316	Gmdrm	hypo	CG	-0.815
Gm07	41657503	41657630	Gmdrm	hypo	CG	-0.365
Gm07	41663884	41664572	Gmdrm	hypo	CG	-0.0365
Gm07	41671870	41671929	Gmdrm	hypo	CG	-0.0667
Gm07	41691018	41691124	Gmdrm	hypo	CG	-0.185
Gm07	41691998	41692168	Gmdrm	hypo	CG	-0.0917

Gm07	41692636	41692743	Gmdrm	hypo	CG	-0.5177
Gm07	41706200	41706223	Gmdrm	hypo	CG	-0.405
Gm07	41817762	41818491	Gmdrm	hypo	CG	-0.3067
Gm07	41823202	41823383	Gmdrm	hypo	CG	-0.028
Gm07	41827736	41827827	Gmdrm	hypo	CG	-0.5583
Gm07	41850920	41851226	Gmdrm	hypo	CG	-0.0222
Gm07	41854769	41854892	Gmdrm	hypo	CG	-0.91
Gm07	41855254	41855440	Gmdrm	hypo	CG	-0.3943
Gm07	41864551	41864683	Gmdrm	hypo	CG	-0.6166
Gm07	41896109	41896187	Gmdrm	hypo	CG	-0.87
Gm07	41900417	41900471	Gmdrm	hypo	CG	-0.455
Gm07	41922539	41922670	Gmdrm	hypo	CG	-0.4367
Gm07	41929285	41929405	Gmdrm	hypo	CG	-0.42
Gm07	41942726	41943049	Gmdrm	hypo	CG	-0.0587
Gm07	41999254	41999622	Gmdrm	hypo	CG	-0.0797
Gm07	42005096	42005315	Gmdrm	hypo	CG	-0.3285
Gm07	42027415	42027587	Gmdrm	hypo	CG	-0.51
Gm07	42035975	42036334	Gmdrm	hypo	CG	-0.0914
Gm07	42065370	42066364	Gmdrm	hypo	CG	-0.1436
Gm07	42099368	42099658	Gmdrm	hypo	CG	-0.524
Gm07	42108516	42108537	Gmdrm	hypo	CG	-0.76
Gm07	42136305	42136393	Gmdrm	hypo	CG	-0.1874
Gm07	42136500	42136614	Gmdrm	hypo	CG	-0.3811
Gm07	42155088	42155220	Gmdrm	hypo	CG	-0.322
Gm07	42159224	42159664	Gmdrm	hypo	CG	-0.1187
Gm07	42165028	42165530	Gmdrm	hypo	CG	-0.1314
Gm07	42172431	42172524	Gmdrm	hypo	CG	-0.9156
Gm07	42172914	42173009	Gmdrm	hypo	CG	-0.886
Gm07	42173137	42173314	Gmdrm	hypo	CG	-0.87
Gm07	42208921	42209137	Gmdrm	hypo	CG	-0.6627
Gm07	42228905	42228949	Gmdrm	hypo	CG	-0.6983
Gm07	42229270	42229472	Gmdrm	hypo	CG	-0.5341
Gm07	42243263	42243957	Gmdrm	hypo	CG	-0.5809
Gm07	42278760	42278861	Gmdrm	hypo	CG	-0.432
Gm07	42316849	42317044	Gmdrm	hypo	CG	-0.947
Gm07	42317413	42317539	Gmdrm	hypo	CG	-0.4344
Gm07	42324574	42324899	Gmdrm	hypo	CG	-0.9256
Gm07	42327250	42327352	Gmdrm	hypo	CG	-0.9486
Gm07	42332896	42332992	Gmdrm	hypo	CG	-0.8717
Gm07	42366285	42366334	Gmdrm	hypo	CG	-0.675
Gm07	42368025	42368128	Gmdrm	hypo	CG	-0.698
Gm07	42378512	42378641	Gmdrm	hypo	CG	-0.7599
Gm07	42401268	42401524	Gmdrm	hypo	CG	-0.3573
Gm07	42444823	42444899	Gmdrm	hypo	CG	-0.4974
Gm07	42448670	42448721	Gmdrm	hypo	CG	-0.36
Gm07	42485792	42485937	Gmdrm	hypo	CG	-0.0467

Gm07	42487516	42487717	Gmdrm	hypo	CG	-0.6987
Gm07	42488762	42488823	Gmdrm	hypo	CG	-0.9
Gm07	42544084	42544190	Gmdrm	hypo	CG	-0.825
Gm07	42544734	42544806	Gmdrm	hypo	CG	-0.8217
Gm07	42570893	42570922	Gmdrm	hypo	CG	-0.05
Gm07	42575758	42575924	Gmdrm	hypo	CG	-0.052
Gm07	42579185	42579307	Gmdrm	hypo	CG	-0.2493
Gm07	42596598	42596674	Gmdrm	hypo	CG	-0.9667
Gm07	42636931	42637346	Gmdrm	hypo	CG	-0.6664
Gm07	42648076	42648192	Gmdrm	hypo	CG	-0.8775
Gm07	42648599	42648645	Gmdrm	hypo	CG	-0.605
Gm07	42651232	42651333	Gmdrm	hypo	CG	-0.9285
Gm07	42715707	42715787	Gmdrm	hypo	CG	-0.4312
Gm07	42717966	42718293	Gmdrm	hypo	CG	-0.7163
Gm07	42721987	42722163	Gmdrm	hypo	CG	-0.2537
Gm07	42738540	42738769	Gmdrm	hypo	CG	-0.7275
Gm07	42738901	42739058	Gmdrm	hypo	CG	-0.75
Gm07	42743102	42743377	Gmdrm	hypo	CG	-0.7672
Gm07	42749017	42749051	Gmdrm	hypo	CG	-0.45
Gm07	42773065	42773147	Gmdrm	hypo	CG	-0.05
Gm07	42774223	42774417	Gmdrm	hypo	CG	-0.4144
Gm07	42775976	42776080	Gmdrm	hypo	CG	-0.9378
Gm07	42777889	42778132	Gmdrm	hypo	CG	-0.04
Gm07	42813591	42813757	Gmdrm	hypo	CG	-0.541
Gm07	42825712	42825834	Gmdrm	hypo	CG	-0.85
Gm07	42851704	42851730	Gmdrm	hypo	CG	-0.75
Gm07	42855495	42855566	Gmdrm	hypo	CG	-0.23
Gm07	42870835	42870866	Gmdrm	hypo	CG	-0.175
Gm07	42873699	42873893	Gmdrm	hypo	CG	-0.6625
Gm07	42899114	42899295	Gmdrm	hypo	CG	-0.933
Gm07	42935029	42935420	Gmdrm	hypo	CG	-0.71
Gm07	42935688	42935777	Gmdrm	hypo	CG	-0.4383
Gm07	42938197	42938311	Gmdrm	hypo	CG	-0.8263
Gm07	42952685	42952850	Gmdrm	hypo	CG	-0.0367
Gm07	42954826	42954990	Gmdrm	hypo	CG	-0.79
Gm07	42955246	42955385	Gmdrm	hypo	CG	-0.9495
Gm07	42966325	42966531	Gmdrm	hypo	CG	-0.3508
Gm07	43045732	43045921	Gmdrm	hypo	CG	-0.0317
Gm07	43046078	43046258	Gmdrm	hypo	CG	-0.0362
Gm07	43050223	43050264	Gmdrm	hypo	CG	-0.4033
Gm07	43069709	43069791	Gmdrm	hypo	CG	-0.725
Gm07	43082513	43082749	Gmdrm	hypo	CG	-0.0487
Gm07	43126681	43126810	Gmdrm	hypo	CG	-0.1083
Gm07	43133201	43133459	Gmdrm	hypo	CG	-0.1694
Gm07	43153823	43153858	Gmdrm	hypo	CG	-0.0683
Gm07	43154183	43154379	Gmdrm	hypo	CG	-0.604

Gm07	43158740	43158867	Gmdrm	hypo	CG	-0.821
Gm07	43159244	43159338	Gmdrm	hypo	CG	-0.9275
Gm07	43259018	43259500	Gmdrm	hypo	CG	-0.3217
Gm07	43323023	43323095	Gmdrm	hypo	CG	-0.9283
Gm07	43372516	43372942	Gmdrm	hypo	CG	-0.0845
Gm07	43380438	43380638	Gmdrm	hypo	CG	-0.7162
Gm07	43403562	43403880	Gmdrm	hypo	CG	-0.6723
Gm07	43415110	43415205	Gmdrm	hypo	CG	-0.135
Gm07	43425341	43425614	Gmdrm	hypo	CG	-0.7055
Gm07	43427350	43427408	Gmdrm	hypo	CG	-0.7017
Gm07	43454161	43454284	Gmdrm	hypo	CG	-0.3312
Gm07	43457765	43457899	Gmdrm	hypo	CG	-0.495
Gm07	43503573	43503614	Gmdrm	hypo	CG	-0.146
Gm07	43557966	43558449	Gmdrm	hypo	CG	-0.5329
Gm07	43568324	43568463	Gmdrm	hypo	CG	-0.1729
Gm07	43588332	43588432	Gmdrm	hypo	CG	-0.0683
Gm07	43592822	43593385	Gmdrm	hypo	CG	-0.5696
Gm07	43642007	43642116	Gmdrm	hypo	CG	-0.6117
Gm07	43655434	43655509	Gmdrm	hypo	CG	-0.1114
Gm07	43660998	43661401	Gmdrm	hypo	CG	-0.0474
Gm07	43678066	43678164	Gmdrm	hypo	CG	-0.7208
Gm07	43690006	43690022	Gmdrm	hypo	CG	-0.375
Gm07	43690248	43690560	Gmdrm	hypo	CG	-0.1817
Gm07	43700461	43700636	Gmdrm	hypo	CG	-0.935
Gm07	43717983	43718019	Gmdrm	hypo	CG	-0.074
Gm07	43718138	43718304	Gmdrm	hypo	CG	-0.0667
Gm07	43745798	43745914	Gmdrm	hypo	CG	-0.585
Gm07	43762969	43763030	Gmdrm	hypo	CG	-0.0867
Gm07	43763390	43763461	Gmdrm	hypo	CG	-0.4263
Gm07	43763565	43763721	Gmdrm	hypo	CG	-0.3367
Gm07	43763874	43763942	Gmdrm	hypo	CG	-0.648
Gm07	43764058	43764232	Gmdrm	hypo	CG	-0.9194
Gm07	43764343	43764470	Gmdrm	hypo	CG	-0.6383
Gm07	43771452	43771674	Gmdrm	hypo	CG	-0.0355
Gm07	43783017	43783054	Gmdrm	hypo	CG	-0.6166
Gm07	43795417	43796106	Gmdrm	hypo	CG	-0.1569
Gm07	43800549	43800627	Gmdrm	hypo	CG	-0.645
Gm07	43801161	43801360	Gmdrm	hypo	CG	-0.7566
Gm07	43801602	43801708	Gmdrm	hypo	CG	-0.6613
Gm07	43807713	43807782	Gmdrm	hypo	CG	-0.8117
Gm07	43845637	43845943	Gmdrm	hypo	CG	-0.729
Gm07	43847182	43847349	Gmdrm	hypo	CG	-0.6057
Gm07	43861701	43862186	Gmdrm	hypo	CG	-0.7031
Gm07	43862456	43862786	Gmdrm	hypo	CG	-0.38
Gm07	43870686	43870934	Gmdrm	hypo	CG	-0.9879
Gm07	43871917	43872064	Gmdrm	hypo	CG	-0.701

Gm07	43872176	43872353	Gmdrm	hypo	CG	-0.505
Gm07	43872818	43872949	Gmdrm	hypo	CG	-0.038
Gm07	43878965	43879206	Gmdrm	hypo	CG	-0.688
Gm07	43912175	43912345	Gmdrm	hypo	CG	-0.036
Gm07	43950407	43950506	Gmdrm	hypo	CG	-0.9638
Gm07	44045099	44045227	Gmdrm	hypo	CG	-0.7467
Gm07	44081456	44081728	Gmdrm	hypo	CG	-0.0567
Gm07	44146080	44146409	Gmdrm	hypo	CG	-0.03
Gm07	44154523	44154759	Gmdrm	hypo	CG	-0.6225
Gm07	44155339	44155477	Gmdrm	hypo	CG	-0.7923
Gm07	44216139	44216183	Gmdrm	hypo	CG	-0.745
Gm07	44216339	44216476	Gmdrm	hypo	CG	-0.6631
Gm07	44225607	44225937	Gmdrm	hypo	CG	-0.3543
Gm07	44257978	44258048	Gmdrm	hypo	CG	-0.6733
Gm07	44260016	44260218	Gmdrm	hypo	CG	-0.487
Gm07	44268596	44268750	Gmdrm	hypo	CG	-0.185
Gm07	44279670	44280079	Gmdrm	hypo	CG	-0.7607
Gm07	44305701	44305866	Gmdrm	hypo	CG	-0.034
Gm07	44318504	44318622	Gmdrm	hypo	CG	-0.054
Gm07	44346781	44346932	Gmdrm	hypo	CG	-0.327
Gm07	44396845	44396900	Gmdrm	hypo	CG	-0.164
Gm07	44415994	44416514	Gmdrm	hypo	CG	-0.4624
Gm07	44424637	44424838	Gmdrm	hypo	CG	-0.7175
Gm07	44440133	44440144	Gmdrm	hypo	CG	-0.8666
Gm07	44440332	44440482	Gmdrm	hypo	CG	-0.8367
Gm07	44443245	44443392	Gmdrm	hypo	CG	-0.0367
Gm07	44449664	44449772	Gmdrm	hypo	CG	-0.0433
Gm07	44457642	44457680	Gmdrm	hypo	CG	-0.9262
Gm07	44457801	44457835	Gmdrm	hypo	CG	-0.9574
Gm07	44458478	44458606	Gmdrm	hypo	CG	-0.5579
Gm07	44459175	44459289	Gmdrm	hypo	CG	-0.0517
Gm07	44479628	44479929	Gmdrm	hypo	CG	-0.4625
Gm07	44488623	44488715	Gmdrm	hypo	CG	-0.474
Gm07	44489470	44489691	Gmdrm	hypo	CG	-0.9286
Gm07	44505741	44506025	Gmdrm	hypo	CG	-0.5896
Gm07	44506382	44506434	Gmdrm	hypo	CG	-0.5966
Gm07	44506553	44506572	Gmdrm	hypo	CG	-0.855
Gm07	44507946	44507998	Gmdrm	hypo	CG	-0.05
Gm07	44508754	44508879	Gmdrm	hypo	CG	-0.5713
Gm07	44514226	44514352	Gmdrm	hypo	CG	-0.8112
Gm07	44514465	44514585	Gmdrm	hypo	CG	-0.924
Gm07	44515863	44516080	Gmdrm	hypo	CG	-0.408
Gm07	44558439	44558489	Gmdrm	hypo	CG	-0.54
Gm07	44561120	44561218	Gmdrm	hypo	CG	-0.545
Gm07	44564554	44564744	Gmdrm	hypo	CG	-0.5729
Gm07	44567193	44567239	Gmdrm	hypo	CG	-0.056

Gm07	44582879	44583096	Gmdrm	hypo	CG	-0.032
Gm07	44660626	44660868	Gmdrm	hypo	CG	-0.0417
Gm07	44675420	44675530	Gmdrm	hypo	CG	-0.4483
Gm07	44693591	44693638	Gmdrm	hypo	CG	-0.875
Gm07	44699358	44699631	Gmdrm	hypo	CG	-0.653
Gm07	44699886	44700027	Gmdrm	hypo	CG	-0.92
Gm07	44732261	44732695	Gmdrm	hypo	CG	-0.4312
Gm07	44732927	44732984	Gmdrm	hypo	CG	-0.81
Gm07	44733286	44733495	Gmdrm	hypo	CG	-0.13
Gm07	44735682	44736113	Gmdrm	hypo	CG	-0.752
Gm07	44742185	44742394	Gmdrm	hypo	CG	-0.6665
Gm07	44766523	44766620	Gmdrm	hypo	CG	-0.899
Gm07	44794475	44794527	Gmdrm	hypo	CG	-0.67
Gm07	44812678	44812935	Gmdrm	hypo	CG	-0.0606
Gm07	44843800	44843893	Gmdrm	hypo	CG	-0.788
Gm07	44866470	44866691	Gmdrm	hypo	CG	-0.3072
Gm07_scaffo	75589	75627	Gmdrm	hypo	CG	-0.5633
Gm07_scaffo	76126	76240	Gmdrm	hypo	CG	-0.8834
Gm07_scaffo	105472	105567	Gmdrm	hypo	CG	-0.5433
Gm07_scaffo	108488	108769	Gmdrm	hypo	CG	-0.5177
Gm08	12700	12904	Gmdrm	hypo	CG	-0.3425
Gm08	33764	33863	Gmdrm	hypo	CG	-0.242
Gm08	42697	42822	Gmdrm	hypo	CG	-0.295
Gm08	51649	52457	Gmdrm	hypo	CG	-0.0293
Gm08	73543	73779	Gmdrm	hypo	CG	-0.641
Gm08	105264	105716	Gmdrm	hypo	CG	-0.0622
Gm08	149158	149226	Gmdrm	hypo	CG	-0.0333
Gm08	158795	158964	Gmdrm	hypo	CG	-0.4495
Gm08	161399	161548	Gmdrm	hypo	CG	-0.595
Gm08	161877	162146	Gmdrm	hypo	CG	-0.556
Gm08	164254	164341	Gmdrm	hypo	CG	-0.7266
Gm08	204771	204846	Gmdrm	hypo	CG	-0.2933
Gm08	223756	224079	Gmdrm	hypo	CG	-0.8356
Gm08	224214	224288	Gmdrm	hypo	CG	-0.955
Gm08	256071	256265	Gmdrm	hypo	CG	-0.0615
Gm08	263541	263611	Gmdrm	hypo	CG	-0.448
Gm08	278381	278465	Gmdrm	hypo	CG	-0.312
Gm08	341474	341523	Gmdrm	hypo	CG	-0.96
Gm08	364608	364871	Gmdrm	hypo	CG	-0.4078
Gm08	369143	369316	Gmdrm	hypo	CG	-0.4715
Gm08	369683	369819	Gmdrm	hypo	CG	-0.7429
Gm08	411041	411135	Gmdrm	hypo	CG	-0.9326
Gm08	412983	413102	Gmdrm	hypo	CG	-0.9381
Gm08	413845	413911	Gmdrm	hypo	CG	-0.9088
Gm08	431446	431552	Gmdrm	hypo	CG	-0.17
Gm08	486746	486945	Gmdrm	hypo	CG	-0.4472

Gm08	501426	501536 Gmdrm	hypo	CG	-0.91
Gm08	512395	512533 Gmdrm	hypo	CG	-0.06
Gm08	551333	551527 Gmdrm	hypo	CG	-0.6014
Gm08	554552	554635 Gmdrm	hypo	CG	-0.2617
Gm08	604744	604834 Gmdrm	hypo	CG	-0.9199
Gm08	655650	655945 Gmdrm	hypo	CG	-0.47
Gm08	705618	705819 Gmdrm	hypo	CG	-0.84
Gm08	717614	718133 Gmdrm	hypo	CG	-0.4561
Gm08	749294	749424 Gmdrm	hypo	CG	-0.774
Gm08	755790	755860 Gmdrm	hypo	CG	-0.038
Gm08	757834	758246 Gmdrm	hypo	CG	-0.895
Gm08	771538	771760 Gmdrm	hypo	CG	-0.8254
Gm08	778324	778573 Gmdrm	hypo	CG	-0.9375
Gm08	779029	779163 Gmdrm	hypo	CG	-0.9084
Gm08	795491	795602 Gmdrm	hypo	CG	-0.8878
Gm08	814517	814602 Gmdrm	hypo	CG	-0.6134
Gm08	842976	843108 Gmdrm	hypo	CG	-0.9266
Gm08	846800	846896 Gmdrm	hypo	CG	-0.9508
Gm08	872154	872217 Gmdrm	hypo	CG	-0.6983
Gm08	879815	880035 Gmdrm	hypo	CG	-0.0881
Gm08	880394	880640 Gmdrm	hypo	CG	-0.032
Gm08	881208	881335 Gmdrm	hypo	CG	-0.1973
Gm08	909575	909661 Gmdrm	hypo	CG	-0.4416
Gm08	914255	914354 Gmdrm	hypo	CG	-0.9633
Gm08	926679	926866 Gmdrm	hypo	CG	-0.6104
Gm08	927134	927235 Gmdrm	hypo	CG	-0.2187
Gm08	932239	932359 Gmdrm	hypo	CG	-0.038
Gm08	934063	934183 Gmdrm	hypo	CG	-0.04
Gm08	1013677	1013845 Gmdrm	hypo	CG	-0.9367
Gm08	1014108	1014178 Gmdrm	hypo	CG	-0.9033
Gm08	1020268	1020289 Gmdrm	hypo	CG	-0.905
Gm08	1045769	1046045 Gmdrm	hypo	CG	-0.9155
Gm08	1046288	1046363 Gmdrm	hypo	CG	-0.645
Gm08	1046480	1046518 Gmdrm	hypo	CG	-0.2767
Gm08	1053013	1053350 Gmdrm	hypo	CG	-0.0292
Gm08	1053556	1053700 Gmdrm	hypo	CG	-0.0728
Gm08	1054400	1054563 Gmdrm	hypo	CG	-0.0327
Gm08	1056254	1056390 Gmdrm	hypo	CG	-0.6338
Gm08	1061413	1061520 Gmdrm	hypo	CG	-0.6467
Gm08	1063775	1064065 Gmdrm	hypo	CG	-0.0328
Gm08	1080527	1080581 Gmdrm	hypo	CG	-0.6425
Gm08	1160350	1160500 Gmdrm	hypo	CG	-0.4627
Gm08	1166409	1166758 Gmdrm	hypo	CG	-0.035
Gm08	1168950	1168991 Gmdrm	hypo	CG	-0.79
Gm08	1177101	1177221 Gmdrm	hypo	CG	-0.2925
Gm08	1178186	1178366 Gmdrm	hypo	CG	-0.1582

Gm08	1178640	1178853	Gmdrm	hypo	CG	-0.1217
Gm08	1238314	1238481	Gmdrm	hypo	CG	-0.8062
Gm08	1276345	1276481	Gmdrm	hypo	CG	-0.7988
Gm08	1286611	1286913	Gmdrm	hypo	CG	-0.9161
Gm08	1292991	1293123	Gmdrm	hypo	CG	-0.855
Gm08	1293624	1293763	Gmdrm	hypo	CG	-0.5487
Gm08	1295181	1295378	Gmdrm	hypo	CG	-0.5542
Gm08	1296050	1296185	Gmdrm	hypo	CG	-0.4505
Gm08	1297597	1297763	Gmdrm	hypo	CG	-0.0467
Gm08	1309616	1309681	Gmdrm	hypo	CG	-0.9033
Gm08	1315959	1316082	Gmdrm	hypo	CG	-0.381
Gm08	1316896	1317107	Gmdrm	hypo	CG	-0.8087
Gm08	1379908	1380131	Gmdrm	hypo	CG	-0.2665
Gm08	1386271	1386309	Gmdrm	hypo	CG	-0.6133
Gm08	1391515	1391553	Gmdrm	hypo	CG	-0.8284
Gm08	1394237	1394287	Gmdrm	hypo	CG	-0.9187
Gm08	1394950	1394979	Gmdrm	hypo	CG	-0.7034
Gm08	1459421	1459756	Gmdrm	hypo	CG	-0.76
Gm08	1495992	1496440	Gmdrm	hypo	CG	-0.3709
Gm08	1505763	1505940	Gmdrm	hypo	CG	-0.3566
Gm08	1506250	1506502	Gmdrm	hypo	CG	-0.8842
Gm08	1508864	1508939	Gmdrm	hypo	CG	-0.7962
Gm08	1533563	1533723	Gmdrm	hypo	CG	-0.58
Gm08	1534571	1534861	Gmdrm	hypo	CG	-0.8768
Gm08	1548481	1548782	Gmdrm	hypo	CG	-0.5767
Gm08	1568905	1569003	Gmdrm	hypo	CG	-0.9643
Gm08	1569960	1570030	Gmdrm	hypo	CG	-0.945
Gm08	1592140	1592290	Gmdrm	hypo	CG	-0.0429
Gm08	1605317	1605417	Gmdrm	hypo	CG	-0.074
Gm08	1620060	1620098	Gmdrm	hypo	CG	-0.126
Gm08	1629195	1629321	Gmdrm	hypo	CG	-0.9212
Gm08	1632002	1632200	Gmdrm	hypo	CG	-0.4851
Gm08	1638478	1638709	Gmdrm	hypo	CG	-0.5512
Gm08	1643815	1643940	Gmdrm	hypo	CG	-0.9274
Gm08	1650619	1650878	Gmdrm	hypo	CG	-0.0533
Gm08	1655372	1655399	Gmdrm	hypo	CG	-0.2183
Gm08	1657100	1657228	Gmdrm	hypo	CG	-0.6584
Gm08	1673476	1674006	Gmdrm	hypo	CG	-0.4592
Gm08	1674462	1674552	Gmdrm	hypo	CG	-0.85
Gm08	1718867	1718917	Gmdrm	hypo	CG	-0.8312
Gm08	1719178	1719695	Gmdrm	hypo	CG	-0.1119
Gm08	1735541	1735684	Gmdrm	hypo	CG	-0.7617
Gm08	1782288	1782598	Gmdrm	hypo	CG	-0.0937
Gm08	1848328	1848460	Gmdrm	hypo	CG	-0.6926
Gm08	1848602	1848744	Gmdrm	hypo	CG	-0.7134
Gm08	1854596	1854702	Gmdrm	hypo	CG	-0.4887

Gm08	1857079	1857172	Gmdrm	hypo	CG	-0.0371
Gm08	1902337	1902391	Gmdrm	hypo	CG	-0.668
Gm08	1925360	1925625	Gmdrm	hypo	CG	-0.2688
Gm08	1934190	1934279	Gmdrm	hypo	CG	-0.3687
Gm08	1969210	1969310	Gmdrm	hypo	CG	-0.0317
Gm08	2011874	2011960	Gmdrm	hypo	CG	-0.8667
Gm08	2012076	2012166	Gmdrm	hypo	CG	-0.5382
Gm08	2045458	2046089	Gmdrm	hypo	CG	-0.2431
Gm08	2061832	2061901	Gmdrm	hypo	CG	-0.9817
Gm08	2070436	2070489	Gmdrm	hypo	CG	-0.45
Gm08	2082004	2082079	Gmdrm	hypo	CG	-0.7517
Gm08	2100192	2100367	Gmdrm	hypo	CG	-0.802
Gm08	2100790	2100860	Gmdrm	hypo	CG	-0.75
Gm08	2100968	2101073	Gmdrm	hypo	CG	-0.51
Gm08	2101469	2101582	Gmdrm	hypo	CG	-0.8475
Gm08	2126346	2126599	Gmdrm	hypo	CG	-0.0992
Gm08	2129490	2129586	Gmdrm	hypo	CG	-0.7887
Gm08	2130396	2130626	Gmdrm	hypo	CG	-0.81
Gm08	2131794	2132017	Gmdrm	hypo	CG	-0.83
Gm08	2135863	2136007	Gmdrm	hypo	CG	-0.07
Gm08	2138172	2138332	Gmdrm	hypo	CG	-0.4767
Gm08	2140924	2141342	Gmdrm	hypo	CG	-0.0782
Gm08	2148873	2148958	Gmdrm	hypo	CG	-0.046
Gm08	2166526	2166601	Gmdrm	hypo	CG	-0.1083
Gm08	2180301	2180431	Gmdrm	hypo	CG	-0.69
Gm08	2180683	2180779	Gmdrm	hypo	CG	-0.64
Gm08	2181165	2181219	Gmdrm	hypo	CG	-0.7783
Gm08	2192278	2192392	Gmdrm	hypo	CG	-0.958
Gm08	2204643	2205036	Gmdrm	hypo	CG	-0.0981
Gm08	2220137	2220210	Gmdrm	hypo	CG	-0.0583
Gm08	2243232	2243345	Gmdrm	hypo	CG	-0.053
Gm08	2262634	2262902	Gmdrm	hypo	CG	-0.3711
Gm08	2276933	2277120	Gmdrm	hypo	CG	-0.0266
Gm08	2285262	2285304	Gmdrm	hypo	CG	-0.3933
Gm08	2285574	2285783	Gmdrm	hypo	CG	-0.7018
Gm08	2301853	2301934	Gmdrm	hypo	CG	-0.9224
Gm08	2327185	2327320	Gmdrm	hypo	CG	-0.05
Gm08	2354800	2354850	Gmdrm	hypo	CG	-0.9315
Gm08	2360969	2361016	Gmdrm	hypo	CG	-0.9417
Gm08	2368389	2368520	Gmdrm	hypo	CG	-0.611
Gm08	2377895	2377994	Gmdrm	hypo	CG	-0.5413
Gm08	2415848	2416032	Gmdrm	hypo	CG	-0.0485
Gm08	2423376	2423463	Gmdrm	hypo	CG	-0.8467
Gm08	2481230	2481300	Gmdrm	hypo	CG	-0.064
Gm08	2481530	2481556	Gmdrm	hypo	CG	-0.9333
Gm08	2487767	2488099	Gmdrm	hypo	CG	-0.1976

Gm08	2488288	2488651	Gmdrm	hypo	CG	-0.56
Gm08	2494904	2495025	Gmdrm	hypo	CG	-0.6258
Gm08	2502826	2502887	Gmdrm	hypo	CG	-0.9462
Gm08	2518021	2518331	Gmdrm	hypo	CG	-0.7087
Gm08	2518633	2518755	Gmdrm	hypo	CG	-0.467
Gm08	2527863	2527947	Gmdrm	hypo	CG	-0.034
Gm08	2529449	2529700	Gmdrm	hypo	CG	-0.565
Gm08	2530454	2530555	Gmdrm	hypo	CG	-0.054
Gm08	2559560	2559602	Gmdrm	hypo	CG	-0.9416
Gm08	2581974	2582038	Gmdrm	hypo	CG	-0.6613
Gm08	2613204	2613294	Gmdrm	hypo	CG	-0.812
Gm08	2613405	2613499	Gmdrm	hypo	CG	-0.691
Gm08	2621136	2621313	Gmdrm	hypo	CG	-0.0689
Gm08	2678041	2678300	Gmdrm	hypo	CG	-0.3807
Gm08	2687238	2687282	Gmdrm	hypo	CG	-0.7486
Gm08	2733289	2733373	Gmdrm	hypo	CG	-0.054
Gm08	2735430	2735679	Gmdrm	hypo	CG	-0.6222
Gm08	2761279	2761752	Gmdrm	hypo	CG	-0.6696
Gm08	2769934	2770015	Gmdrm	hypo	CG	-0.8167
Gm08	2833841	2833982	Gmdrm	hypo	CG	-0.824
Gm08	2858646	2858700	Gmdrm	hypo	CG	-0.05
Gm08	2889050	2889160	Gmdrm	hypo	CG	-0.9783
Gm08	2896935	2897033	Gmdrm	hypo	CG	-0.3534
Gm08	2936258	2936350	Gmdrm	hypo	CG	-0.75
Gm08	2975209	2975227	Gmdrm	hypo	CG	-0.0733
Gm08	3002330	3002412	Gmdrm	hypo	CG	-0.624
Gm08	3002671	3002836	Gmdrm	hypo	CG	-0.9442
Gm08	3033055	3033230	Gmdrm	hypo	CG	-0.135
Gm08	3033839	3033914	Gmdrm	hypo	CG	-0.408
Gm08	3060315	3060393	Gmdrm	hypo	CG	-0.91
Gm08	3097191	3097264	Gmdrm	hypo	CG	-0.9383
Gm08	3118413	3118733	Gmdrm	hypo	CG	-0.9507
Gm08	3119874	3120050	Gmdrm	hypo	CG	-0.0176
Gm08	3134428	3134482	Gmdrm	hypo	CG	-0.6283
Gm08	3135007	3135263	Gmdrm	hypo	CG	-0.7454
Gm08	3135379	3135530	Gmdrm	hypo	CG	-0.947
Gm08	3136573	3136844	Gmdrm	hypo	CG	-0.8735
Gm08	3148758	3148883	Gmdrm	hypo	CG	-0.9007
Gm08	3179281	3179413	Gmdrm	hypo	CG	-0.587
Gm08	3181068	3181105	Gmdrm	hypo	CG	-0.2363
Gm08	3239149	3239808	Gmdrm	hypo	CG	-0.338
Gm08	3261838	3261911	Gmdrm	hypo	CG	-0.7113
Gm08	3362308	3362450	Gmdrm	hypo	CG	-0.038
Gm08	3400874	3400969	Gmdrm	hypo	CG	-0.2883
Gm08	3482468	3482498	Gmdrm	hypo	CG	-0.6812
Gm08	3483410	3483488	Gmdrm	hypo	CG	-0.855

Gm08	3483867	3484006	Gmdrm	hypo	CG	-0.358
Gm08	3495329	3495387	Gmdrm	hypo	CG	-0.1067
Gm08	3496989	3497121	Gmdrm	hypo	CG	-0.4457
Gm08	3497232	3497364	Gmdrm	hypo	CG	-0.54
Gm08	3502920	3503457	Gmdrm	hypo	CG	-0.3756
Gm08	3503735	3503838	Gmdrm	hypo	CG	-0.6814
Gm08	3520321	3520731	Gmdrm	hypo	CG	-0.8434
Gm08	3534013	3534271	Gmdrm	hypo	CG	-0.0483
Gm08	3686424	3686450	Gmdrm	hypo	CG	-0.7233
Gm08	3690507	3690570	Gmdrm	hypo	CG	-0.905
Gm08	3690817	3690912	Gmdrm	hypo	CG	-0.8833
Gm08	3726792	3726847	Gmdrm	hypo	CG	-0.9067
Gm08	3737095	3737182	Gmdrm	hypo	CG	-0.8417
Gm08	3737707	3738043	Gmdrm	hypo	CG	-0.0984
Gm08	3738402	3738482	Gmdrm	hypo	CG	-0.3125
Gm08	3738937	3739296	Gmdrm	hypo	CG	-0.4168
Gm08	3744617	3744928	Gmdrm	hypo	CG	-0.6965
Gm08	3788377	3788556	Gmdrm	hypo	CG	-0.639
Gm08	3814043	3814271	Gmdrm	hypo	CG	-0.5677
Gm08	3827570	3827633	Gmdrm	hypo	CG	-0.0367
Gm08	3830889	3831059	Gmdrm	hypo	CG	-0.9
Gm08	3832279	3832324	Gmdrm	hypo	CG	-0.4633
Gm08	3848796	3848853	Gmdrm	hypo	CG	-0.9517
Gm08	3848987	3849101	Gmdrm	hypo	CG	-0.6766
Gm08	3862601	3862674	Gmdrm	hypo	CG	-0.0513
Gm08	3907482	3907836	Gmdrm	hypo	CG	-0.3671
Gm08	3910486	3910622	Gmdrm	hypo	CG	-0.036
Gm08	3950649	3950812	Gmdrm	hypo	CG	-0.7618
Gm08	3951589	3951741	Gmdrm	hypo	CG	-0.5167
Gm08	3998867	3998931	Gmdrm	hypo	CG	-0.4717
Gm08	4015041	4015452	Gmdrm	hypo	CG	-0.9094
Gm08	4036222	4036425	Gmdrm	hypo	CG	-0.2925
Gm08	4036934	4037323	Gmdrm	hypo	CG	-0.2254
Gm08	4038069	4038140	Gmdrm	hypo	CG	-0.122
Gm08	4041279	4041468	Gmdrm	hypo	CG	-0.857
Gm08	4041620	4041874	Gmdrm	hypo	CG	-0.6133
Gm08	4044053	4044115	Gmdrm	hypo	CG	-0.9275
Gm08	4057991	4058133	Gmdrm	hypo	CG	-0.613
Gm08	4059002	4059196	Gmdrm	hypo	CG	-0.7621
Gm08	4062765	4062838	Gmdrm	hypo	CG	-0.6433
Gm08	4098473	4098670	Gmdrm	hypo	CG	-0.7672
Gm08	4098776	4098977	Gmdrm	hypo	CG	-0.34
Gm08	4099117	4099324	Gmdrm	hypo	CG	-0.6614
Gm08	4131246	4131438	Gmdrm	hypo	CG	-0.5725
Gm08	4144832	4144896	Gmdrm	hypo	CG	-0.644
Gm08	4145109	4145573	Gmdrm	hypo	CG	-0.1933

Gm08	4145821	4146191	Gmdrm	hypo	CG	-0.789
Gm08	4153030	4153270	Gmdrm	hypo	CG	-0.205
Gm08	4153777	4153875	Gmdrm	hypo	CG	-0.955
Gm08	4154130	4154568	Gmdrm	hypo	CG	-0.2022
Gm08	4171171	4171349	Gmdrm	hypo	CG	-0.0667
Gm08	4171792	4171976	Gmdrm	hypo	CG	-0.9293
Gm08	4181277	4181444	Gmdrm	hypo	CG	-0.481
Gm08	4212738	4212798	Gmdrm	hypo	CG	-0.71
Gm08	4220183	4220333	Gmdrm	hypo	CG	-0.1957
Gm08	4220893	4221112	Gmdrm	hypo	CG	-0.8299
Gm08	4225390	4225491	Gmdrm	hypo	CG	-0.4675
Gm08	4231165	4231298	Gmdrm	hypo	CG	-0.915
Gm08	4251557	4251699	Gmdrm	hypo	CG	-0.925
Gm08	4270373	4270393	Gmdrm	hypo	CG	-0.8775
Gm08	4270915	4271188	Gmdrm	hypo	CG	-0.438
Gm08	4278984	4279062	Gmdrm	hypo	CG	-0.4333
Gm08	4287639	4287793	Gmdrm	hypo	CG	-0.915
Gm08	4287947	4288071	Gmdrm	hypo	CG	-0.3784
Gm08	4288277	4288522	Gmdrm	hypo	CG	-0.7182
Gm08	4296092	4296344	Gmdrm	hypo	CG	-0.035
Gm08	4299158	4299292	Gmdrm	hypo	CG	-0.9071
Gm08	4303644	4303777	Gmdrm	hypo	CG	-0.638
Gm08	4317890	4318095	Gmdrm	hypo	CG	-0.562
Gm08	4323745	4324085	Gmdrm	hypo	CG	-0.7894
Gm08	4346454	4346546	Gmdrm	hypo	CG	-0.335
Gm08	4346676	4346985	Gmdrm	hypo	CG	-0.1714
Gm08	4360597	4360686	Gmdrm	hypo	CG	-0.946
Gm08	4374459	4374978	Gmdrm	hypo	CG	-0.251
Gm08	4391262	4391336	Gmdrm	hypo	CG	-0.9333
Gm08	4391641	4391869	Gmdrm	hypo	CG	-0.2005
Gm08	4408406	4408689	Gmdrm	hypo	CG	-0.8386
Gm08	4427212	4427296	Gmdrm	hypo	CG	-0.8583
Gm08	4441990	4442085	Gmdrm	hypo	CG	-0.132
Gm08	4496771	4497030	Gmdrm	hypo	CG	-0.8962
Gm08	4524214	4524396	Gmdrm	hypo	CG	-0.0417
Gm08	4536049	4536230	Gmdrm	hypo	CG	-0.6231
Gm08	4560866	4560977	Gmdrm	hypo	CG	-0.7925
Gm08	4561214	4561448	Gmdrm	hypo	CG	-0.7612
Gm08	4567018	4567136	Gmdrm	hypo	CG	-0.1244
Gm08	4569854	4570108	Gmdrm	hypo	CG	-0.5536
Gm08	4573950	4574128	Gmdrm	hypo	CG	-0.06
Gm08	4588168	4588317	Gmdrm	hypo	CG	-0.0311
Gm08	4623476	4623750	Gmdrm	hypo	CG	-0.5954
Gm08	4660549	4660748	Gmdrm	hypo	CG	-0.1837
Gm08	4668786	4668976	Gmdrm	hypo	CG	-0.6944
Gm08	4669087	4669145	Gmdrm	hypo	CG	-0.4083

Gm08	4704766	4704893	Gmdrm	hypo	CG	-0.2586
Gm08	4724093	4724238	Gmdrm	hypo	CG	-0.828
Gm08	4754159	4754472	Gmdrm	hypo	CG	-0.532
Gm08	4754944	4755261	Gmdrm	hypo	CG	-0.4055
Gm08	4769954	4770131	Gmdrm	hypo	CG	-0.7184
Gm08	4770532	4770621	Gmdrm	hypo	CG	-0.27
Gm08	4770799	4771006	Gmdrm	hypo	CG	-0.2567
Gm08	4771159	4771205	Gmdrm	hypo	CG	-0.5134
Gm08	4784952	4785030	Gmdrm	hypo	CG	-0.9441
Gm08	4801050	4801232	Gmdrm	hypo	CG	-0.9479
Gm08	4801408	4801570	Gmdrm	hypo	CG	-0.9529
Gm08	4806505	4806681	Gmdrm	hypo	CG	-0.074
Gm08	4815115	4815476	Gmdrm	hypo	CG	-0.033
Gm08	4853685	4853717	Gmdrm	hypo	CG	-0.042
Gm08	4858067	4858222	Gmdrm	hypo	CG	-0.1763
Gm08	4885416	4885530	Gmdrm	hypo	CG	-0.0683
Gm08	4912885	4912972	Gmdrm	hypo	CG	-0.412
Gm08	4938138	4938685	Gmdrm	hypo	CG	-0.2675
Gm08	4958976	4959102	Gmdrm	hypo	CG	-0.7225
Gm08	4959584	4959719	Gmdrm	hypo	CG	-0.9217
Gm08	5025724	5025836	Gmdrm	hypo	CG	-0.875
Gm08	5068055	5068166	Gmdrm	hypo	CG	-0.703
Gm08	5068494	5068537	Gmdrm	hypo	CG	-0.535
Gm08	5080297	5080380	Gmdrm	hypo	CG	-0.0938
Gm08	5084902	5085142	Gmdrm	hypo	CG	-0.2281
Gm08	5086004	5086174	Gmdrm	hypo	CG	-0.893
Gm08	5121106	5121246	Gmdrm	hypo	CG	-0.6475
Gm08	5121757	5121828	Gmdrm	hypo	CG	-0.9133
Gm08	5144824	5144849	Gmdrm	hypo	CG	-0.045
Gm08	5146611	5146839	Gmdrm	hypo	CG	-0.3732
Gm08	5147191	5147315	Gmdrm	hypo	CG	-0.8514
Gm08	5195723	5195792	Gmdrm	hypo	CG	-0.82
Gm08	5197389	5197767	Gmdrm	hypo	CG	-0.4943
Gm08	5201471	5201663	Gmdrm	hypo	CG	-0.2408
Gm08	5207185	5207346	Gmdrm	hypo	CG	-0.9554
Gm08	5207498	5207537	Gmdrm	hypo	CG	-0.734
Gm08	5207980	5208244	Gmdrm	hypo	CG	-0.3891
Gm08	5256911	5257053	Gmdrm	hypo	CG	-0.3034
Gm08	5260272	5260571	Gmdrm	hypo	CG	-0.0417
Gm08	5304861	5305282	Gmdrm	hypo	CG	-0.0359
Gm08	5319268	5319547	Gmdrm	hypo	CG	-0.672
Gm08	5341027	5341061	Gmdrm	hypo	CG	-0.118
Gm08	5383930	5384088	Gmdrm	hypo	CG	-0.6321
Gm08	5390179	5390440	Gmdrm	hypo	CG	-0.034
Gm08	5434990	5435075	Gmdrm	hypo	CG	-0.5387
Gm08	5436624	5436673	Gmdrm	hypo	CG	-0.7483

Gm08	5456362	5456478	Gmdrm	hypo	CG	-0.9283
Gm08	5470318	5470672	Gmdrm	hypo	CG	-0.6964
Gm08	5529748	5529921	Gmdrm	hypo	CG	-0.941
Gm08	5538941	5539051	Gmdrm	hypo	CG	-0.0428
Gm08	5555987	5556071	Gmdrm	hypo	CG	-0.574
Gm08	5567268	5567344	Gmdrm	hypo	CG	-0.9384
Gm08	5567897	5568121	Gmdrm	hypo	CG	-0.8331
Gm08	5569449	5569591	Gmdrm	hypo	CG	-0.937
Gm08	5624602	5624772	Gmdrm	hypo	CG	-0.1734
Gm08	5625544	5625784	Gmdrm	hypo	CG	-0.5739
Gm08	5645223	5645517	Gmdrm	hypo	CG	-0.2994
Gm08	5678554	5678724	Gmdrm	hypo	CG	-0.5855
Gm08	5678974	5679227	Gmdrm	hypo	CG	-0.5031
Gm08	5704847	5705042	Gmdrm	hypo	CG	-0.4372
Gm08	5726304	5726330	Gmdrm	hypo	CG	-0.8533
Gm08	5729349	5729455	Gmdrm	hypo	CG	-0.0783
Gm08	5759325	5759622	Gmdrm	hypo	CG	-0.3775
Gm08	5760055	5760247	Gmdrm	hypo	CG	-0.3808
Gm08	5760368	5760446	Gmdrm	hypo	CG	-0.6825
Gm08	5772413	5772527	Gmdrm	hypo	CG	-0.768
Gm08	5781422	5781489	Gmdrm	hypo	CG	-0.9212
Gm08	5781933	5782117	Gmdrm	hypo	CG	-0.4092
Gm08	5792615	5792840	Gmdrm	hypo	CG	-0.8445
Gm08	5801621	5801865	Gmdrm	hypo	CG	-0.0416
Gm08	5813434	5813821	Gmdrm	hypo	CG	-0.0924
Gm08	5832495	5832836	Gmdrm	hypo	CG	-0.3181
Gm08	5846577	5846833	Gmdrm	hypo	CG	-0.071
Gm08	5881400	5881545	Gmdrm	hypo	CG	-0.5063
Gm08	5892046	5892097	Gmdrm	hypo	CG	-0.8184
Gm08	5892246	5892368	Gmdrm	hypo	CG	-0.9389
Gm08	5892737	5892823	Gmdrm	hypo	CG	-0.5101
Gm08	5893120	5893199	Gmdrm	hypo	CG	-0.23
Gm08	5909578	5909777	Gmdrm	hypo	CG	-0.6128
Gm08	5913987	5914109	Gmdrm	hypo	CG	-0.9563
Gm08	5914362	5914494	Gmdrm	hypo	CG	-0.25
Gm08	5941865	5942009	Gmdrm	hypo	CG	-0.5915
Gm08	5942226	5942264	Gmdrm	hypo	CG	-0.63
Gm08	5977020	5977078	Gmdrm	hypo	CG	-0.71
Gm08	6019036	6019201	Gmdrm	hypo	CG	-0.735
Gm08	6019407	6019524	Gmdrm	hypo	CG	-0.74
Gm08	6020020	6020236	Gmdrm	hypo	CG	-0.044
Gm08	6020603	6021258	Gmdrm	hypo	CG	-0.267
Gm08	6022320	6022448	Gmdrm	hypo	CG	-0.3829
Gm08	6055243	6055300	Gmdrm	hypo	CG	-0.8933
Gm08	6078828	6079069	Gmdrm	hypo	CG	-0.655
Gm08	6083469	6083518	Gmdrm	hypo	CG	-0.835

Gm08	6110372	6110508	Gmdrm	hypo	CG	-0.9325
Gm08	6115617	6115829	Gmdrm	hypo	CG	-0.3973
Gm08	6136736	6136853	Gmdrm	hypo	CG	-0.8133
Gm08	6141444	6141496	Gmdrm	hypo	CG	-0.5917
Gm08	6143374	6143411	Gmdrm	hypo	CG	-0.5045
Gm08	6154631	6154850	Gmdrm	hypo	CG	-0.7164
Gm08	6175663	6175884	Gmdrm	hypo	CG	-0.7605
Gm08	6199186	6199276	Gmdrm	hypo	CG	-0.4483
Gm08	6199406	6199534	Gmdrm	hypo	CG	-0.44
Gm08	6200159	6200336	Gmdrm	hypo	CG	-0.3433
Gm08	6243763	6243983	Gmdrm	hypo	CG	-0.9016
Gm08	6244089	6244102	Gmdrm	hypo	CG	-0.286
Gm08	6274850	6275058	Gmdrm	hypo	CG	-0.2383
Gm08	6275442	6275558	Gmdrm	hypo	CG	-0.0675
Gm08	6287652	6287734	Gmdrm	hypo	CG	-0.7476
Gm08	6335385	6335530	Gmdrm	hypo	CG	-0.1912
Gm08	6372338	6372397	Gmdrm	hypo	CG	-0.2433
Gm08	6381017	6381115	Gmdrm	hypo	CG	-0.1206
Gm08	6382351	6382529	Gmdrm	hypo	CG	-0.2186
Gm08	6390294	6390476	Gmdrm	hypo	CG	-0.71
Gm08	6393140	6393385	Gmdrm	hypo	CG	-0.754
Gm08	6395282	6395394	Gmdrm	hypo	CG	-0.8087
Gm08	6395496	6395779	Gmdrm	hypo	CG	-0.7525
Gm08	6396593	6396658	Gmdrm	hypo	CG	-0.9283
Gm08	6419754	6419779	Gmdrm	hypo	CG	-0.8133
Gm08	6437959	6438074	Gmdrm	hypo	CG	-0.835
Gm08	6457321	6457462	Gmdrm	hypo	CG	-0.5317
Gm08	6458679	6458796	Gmdrm	hypo	CG	-0.0633
Gm08	6464311	6464479	Gmdrm	hypo	CG	-0.6909
Gm08	6464594	6464810	Gmdrm	hypo	CG	-0.9522
Gm08	6476292	6476314	Gmdrm	hypo	CG	-0.754
Gm08	6526948	6527064	Gmdrm	hypo	CG	-0.8234
Gm08	6548359	6548598	Gmdrm	hypo	CG	-0.9623
Gm08	6562413	6562978	Gmdrm	hypo	CG	-0.4122
Gm08	6604559	6604649	Gmdrm	hypo	CG	-0.944
Gm08	6654068	6654247	Gmdrm	hypo	CG	-0.7614
Gm08	6705618	6705645	Gmdrm	hypo	CG	-0.738
Gm08	6727673	6727805	Gmdrm	hypo	CG	-0.98
Gm08	6741205	6741443	Gmdrm	hypo	CG	-0.0284
Gm08	6776934	6777085	Gmdrm	hypo	CG	-0.0812
Gm08	6815358	6815664	Gmdrm	hypo	CG	-0.5936
Gm08	6833420	6833511	Gmdrm	hypo	CG	-0.875
Gm08	6845840	6846068	Gmdrm	hypo	CG	-0.8077
Gm08	6847849	6848005	Gmdrm	hypo	CG	-0.3875
Gm08	6848254	6848321	Gmdrm	hypo	CG	-0.145
Gm08	6856869	6857086	Gmdrm	hypo	CG	-0.9125

Gm08	6877252	6877373	Gmdrm	hypo	CG	-0.3275
Gm08	6882796	6882939	Gmdrm	hypo	CG	-0.772
Gm08	6887692	6887763	Gmdrm	hypo	CG	-0.8083
Gm08	6907683	6907837	Gmdrm	hypo	CG	-0.1813
Gm08	6972350	6972489	Gmdrm	hypo	CG	-0.044
Gm08	6973542	6973692	Gmdrm	hypo	CG	-0.122
Gm08	6984958	6985067	Gmdrm	hypo	CG	-0.16
Gm08	6985177	6985327	Gmdrm	hypo	CG	-0.094
Gm08	6992594	6992634	Gmdrm	hypo	CG	-0.9325
Gm08	7039417	7039535	Gmdrm	hypo	CG	-0.927
Gm08	7044065	7044274	Gmdrm	hypo	CG	-0.792
Gm08	7046144	7046279	Gmdrm	hypo	CG	-0.5484
Gm08	7057976	7058051	Gmdrm	hypo	CG	-0.8883
Gm08	7058774	7059076	Gmdrm	hypo	CG	-0.6433
Gm08	7059985	7060100	Gmdrm	hypo	CG	-0.2484
Gm08	7060649	7060866	Gmdrm	hypo	CG	-0.1271
Gm08	7061218	7061428	Gmdrm	hypo	CG	-0.5543
Gm08	7069057	7069286	Gmdrm	hypo	CG	-0.3875
Gm08	7069693	7069754	Gmdrm	hypo	CG	-0.412
Gm08	7100144	7100277	Gmdrm	hypo	CG	-0.8241
Gm08	7115691	7115846	Gmdrm	hypo	CG	-0.7875
Gm08	7116248	7116577	Gmdrm	hypo	CG	-0.901
Gm08	7138325	7138412	Gmdrm	hypo	CG	-0.9367
Gm08	7147264	7147359	Gmdrm	hypo	CG	-0.6037
Gm08	7152525	7152541	Gmdrm	hypo	CG	-0.232
Gm08	7156628	7156687	Gmdrm	hypo	CG	-0.6534
Gm08	7158996	7159112	Gmdrm	hypo	CG	-0.805
Gm08	7197792	7197951	Gmdrm	hypo	CG	-0.755
Gm08	7198246	7198273	Gmdrm	hypo	CG	-0.59
Gm08	7198663	7198821	Gmdrm	hypo	CG	-0.6929
Gm08	7206957	7207240	Gmdrm	hypo	CG	-0.1032
Gm08	7219243	7219342	Gmdrm	hypo	CG	-0.6067
Gm08	7219536	7219635	Gmdrm	hypo	CG	-0.6583
Gm08	7220094	7220300	Gmdrm	hypo	CG	-0.6663
Gm08	7258109	7258416	Gmdrm	hypo	CG	-0.488
Gm08	7281272	7281485	Gmdrm	hypo	CG	-0.9062
Gm08	7281637	7281737	Gmdrm	hypo	CG	-0.955
Gm08	7305500	7305735	Gmdrm	hypo	CG	-0.6747
Gm08	7306942	7307029	Gmdrm	hypo	CG	-0.0675
Gm08	7308600	7308841	Gmdrm	hypo	CG	-0.8934
Gm08	7325614	7325801	Gmdrm	hypo	CG	-0.0229
Gm08	7330064	7330107	Gmdrm	hypo	CG	-0.04
Gm08	7330292	7330432	Gmdrm	hypo	CG	-0.9372
Gm08	7349433	7349482	Gmdrm	hypo	CG	-0.8217
Gm08	7349686	7349715	Gmdrm	hypo	CG	-0.76
Gm08	7366396	7366836	Gmdrm	hypo	CG	-0.0361

Gm08	7391682	7391925 Gmdrm	hypo	CG	-0.552
Gm08	7405119	7405266 Gmdrm	hypo	CG	-0.7475
Gm08	7406166	7406374 Gmdrm	hypo	CG	-0.517
Gm08	7419847	7419921 Gmdrm	hypo	CG	-0.91
Gm08	7470760	7470952 Gmdrm	hypo	CG	-0.0894
Gm08	7505709	7505843 Gmdrm	hypo	CG	-0.0286
Gm08	7526096	7526412 Gmdrm	hypo	CG	-0.433
Gm08	7546536	7546692 Gmdrm	hypo	CG	-0.6737
Gm08	7574833	7575422 Gmdrm	hypo	CG	-0.6272
Gm08	7577085	7577416 Gmdrm	hypo	CG	-0.6447
Gm08	7607042	7607375 Gmdrm	hypo	CG	-0.6593
Gm08	7607665	7607754 Gmdrm	hypo	CG	-0.4575
Gm08	7608162	7608278 Gmdrm	hypo	CG	-0.35
Gm08	7617125	7617231 Gmdrm	hypo	CG	-0.06
Gm08	7625138	7625816 Gmdrm	hypo	CG	-0.2205
Gm08	7633334	7633358 Gmdrm	hypo	CG	-0.785
Gm08	7657276	7657547 Gmdrm	hypo	CG	-0.7622
Gm08	7657913	7657961 Gmdrm	hypo	CG	-0.96
Gm08	7687805	7687952 Gmdrm	hypo	CG	-0.1238
Gm08	7688137	7688329 Gmdrm	hypo	CG	-0.0843
Gm08	7688756	7689092 Gmdrm	hypo	CG	-0.225
Gm08	7692608	7692670 Gmdrm	hypo	CG	-0.1762
Gm08	7693060	7693105 Gmdrm	hypo	CG	-0.2566
Gm08	7701640	7702078 Gmdrm	hypo	CG	-0.6824
Gm08	7709104	7709294 Gmdrm	hypo	CG	-0.065
Gm08	7720055	7720428 Gmdrm	hypo	CG	-0.7275
Gm08	7736357	7736381 Gmdrm	hypo	CG	-0.9117
Gm08	7742870	7743271 Gmdrm	hypo	CG	-0.2568
Gm08	7756560	7756634 Gmdrm	hypo	CG	-0.9692
Gm08	7761916	7762289 Gmdrm	hypo	CG	-0.5994
Gm08	7790099	7790157 Gmdrm	hypo	CG	-0.9583
Gm08	7824495	7824579 Gmdrm	hypo	CG	-0.1534
Gm08	7824685	7824796 Gmdrm	hypo	CG	-0.1917
Gm08	7824921	7824994 Gmdrm	hypo	CG	-0.332
Gm08	7916949	7917051 Gmdrm	hypo	CG	-0.6071
Gm08	7932477	7932531 Gmdrm	hypo	CG	-0.36
Gm08	7934766	7934814 Gmdrm	hypo	CG	-0.2138
Gm08	7939056	7939124 Gmdrm	hypo	CG	-0.9183
Gm08	7965391	7965551 Gmdrm	hypo	CG	-0.845
Gm08	7998206	7998423 Gmdrm	hypo	CG	-0.1323
Gm08	8015428	8015629 Gmdrm	hypo	CG	-0.0312
Gm08	8031005	8031226 Gmdrm	hypo	CG	-0.7891
Gm08	8037919	8038258 Gmdrm	hypo	CG	-0.3167
Gm08	8052044	8052871 Gmdrm	hypo	CG	-0.7061
Gm08	8086733	8086780 Gmdrm	hypo	CG	-0.625
Gm08	8138722	8138862 Gmdrm	hypo	CG	-0.3388

Gm08	8139439	8139653	Gmdrm	hypo	CG	-0.515
Gm08	8139791	8139874	Gmdrm	hypo	CG	-0.7275
Gm08	8225337	8225358	Gmdrm	hypo	CG	-0.8666
Gm08	8241009	8241158	Gmdrm	hypo	CG	-0.766
Gm08	8247057	8247152	Gmdrm	hypo	CG	-0.0467
Gm08	8262919	8263254	Gmdrm	hypo	CG	-0.695
Gm08	8270864	8271659	Gmdrm	hypo	CG	-0.0297
Gm08	8396529	8396740	Gmdrm	hypo	CG	-0.028
Gm08	8397766	8397851	Gmdrm	hypo	CG	-0.08
Gm08	8430444	8430601	Gmdrm	hypo	CG	-0.345
Gm08	8434474	8434719	Gmdrm	hypo	CG	-0.4635
Gm08	8447623	8447650	Gmdrm	hypo	CG	-0.965
Gm08	8448599	8448734	Gmdrm	hypo	CG	-0.2282
Gm08	8449325	8449533	Gmdrm	hypo	CG	-0.6365
Gm08	8515027	8515175	Gmdrm	hypo	CG	-0.7534
Gm08	8515823	8515966	Gmdrm	hypo	CG	-0.91
Gm08	8529074	8529178	Gmdrm	hypo	CG	-0.63
Gm08	8547402	8547526	Gmdrm	hypo	CG	-0.0513
Gm08	8548142	8548240	Gmdrm	hypo	CG	-0.3816
Gm08	8566911	8566956	Gmdrm	hypo	CG	-0.3238
Gm08	8567937	8568262	Gmdrm	hypo	CG	-0.2624
Gm08	8590951	8591185	Gmdrm	hypo	CG	-0.394
Gm08	8599875	8600058	Gmdrm	hypo	CG	-0.6608
Gm08	8624333	8624436	Gmdrm	hypo	CG	-0.96
Gm08	8645063	8645145	Gmdrm	hypo	CG	-0.4043
Gm08	8659822	8659852	Gmdrm	hypo	CG	-0.8866
Gm08	8660301	8660366	Gmdrm	hypo	CG	-0.9213
Gm08	8660699	8660849	Gmdrm	hypo	CG	-0.9125
Gm08	8661406	8661668	Gmdrm	hypo	CG	-0.75
Gm08	8669035	8669231	Gmdrm	hypo	CG	-0.46
Gm08	8687003	8687348	Gmdrm	hypo	CG	-0.0323
Gm08	8709872	8710034	Gmdrm	hypo	CG	-0.5917
Gm08	8715391	8715535	Gmdrm	hypo	CG	-0.06
Gm08	8730355	8730488	Gmdrm	hypo	CG	-0.419
Gm08	8751050	8751214	Gmdrm	hypo	CG	-0.3933
Gm08	8751344	8751515	Gmdrm	hypo	CG	-0.422
Gm08	8812495	8812972	Gmdrm	hypo	CG	-0.4834
Gm08	8823500	8823642	Gmdrm	hypo	CG	-0.8536
Gm08	8829111	8829151	Gmdrm	hypo	CG	-0.5667
Gm08	8829367	8829399	Gmdrm	hypo	CG	-0.81
Gm08	8829903	8830094	Gmdrm	hypo	CG	-0.5317
Gm08	8832888	8832992	Gmdrm	hypo	CG	-0.96
Gm08	8833413	8833515	Gmdrm	hypo	CG	-0.7101
Gm08	8868568	8868619	Gmdrm	hypo	CG	-0.1233
Gm08	8868740	8868892	Gmdrm	hypo	CG	-0.9028
Gm08	8871676	8871896	Gmdrm	hypo	CG	-0.185

Gm08	8887438	8887552	Gmdrm	hypo	CG	-0.1324
Gm08	8930465	8930645	Gmdrm	hypo	CG	-0.805
Gm08	8952525	8952860	Gmdrm	hypo	CG	-0.649
Gm08	8953262	8953375	Gmdrm	hypo	CG	-0.705
Gm08	8953551	8953697	Gmdrm	hypo	CG	-0.2
Gm08	8953987	8954150	Gmdrm	hypo	CG	-0.0783
Gm08	8968375	8968457	Gmdrm	hypo	CG	-0.9224
Gm08	8968634	8968872	Gmdrm	hypo	CG	-0.5775
Gm08	8994854	8994979	Gmdrm	hypo	CG	-0.6863
Gm08	9013895	9013980	Gmdrm	hypo	CG	-0.873
Gm08	9014505	9014612	Gmdrm	hypo	CG	-0.9525
Gm08	9018070	9018295	Gmdrm	hypo	CG	-0.5413
Gm08	9039410	9039468	Gmdrm	hypo	CG	-0.9633
Gm08	9116195	9116366	Gmdrm	hypo	CG	-0.9547
Gm08	9190066	9190200	Gmdrm	hypo	CG	-0.884
Gm08	9193795	9194313	Gmdrm	hypo	CG	-0.8792
Gm08	9242534	9242820	Gmdrm	hypo	CG	-0.2758
Gm08	9251847	9251976	Gmdrm	hypo	CG	-0.9528
Gm08	9253523	9253642	Gmdrm	hypo	CG	-0.042
Gm08	9261730	9261937	Gmdrm	hypo	CG	-0.2833
Gm08	9296454	9296500	Gmdrm	hypo	CG	-0.6813
Gm08	9296627	9296660	Gmdrm	hypo	CG	-0.6749
Gm08	9296799	9296845	Gmdrm	hypo	CG	-0.665
Gm08	9302962	9303123	Gmdrm	hypo	CG	-0.028
Gm08	9316316	9316457	Gmdrm	hypo	CG	-0.0843
Gm08	9316815	9316878	Gmdrm	hypo	CG	-0.6686
Gm08	9318927	9318986	Gmdrm	hypo	CG	-0.695
Gm08	9351286	9351380	Gmdrm	hypo	CG	-0.0767
Gm08	9376375	9376550	Gmdrm	hypo	CG	-0.3571
Gm08	9387233	9387321	Gmdrm	hypo	CG	-0.3884
Gm08	9421984	9422034	Gmdrm	hypo	CG	-0.2274
Gm08	9484227	9484315	Gmdrm	hypo	CG	-0.76
Gm08	9505861	9506001	Gmdrm	hypo	CG	-0.2733
Gm08	9523668	9523769	Gmdrm	hypo	CG	-0.6017
Gm08	9543633	9543740	Gmdrm	hypo	CG	-0.725
Gm08	9553774	9553990	Gmdrm	hypo	CG	-0.7246
Gm08	9554228	9554332	Gmdrm	hypo	CG	-0.1737
Gm08	9579954	9580138	Gmdrm	hypo	CG	-0.6954
Gm08	9580272	9580444	Gmdrm	hypo	CG	-0.9283
Gm08	9606821	9607010	Gmdrm	hypo	CG	-0.7883
Gm08	9663957	9664336	Gmdrm	hypo	CG	-0.2868
Gm08	9669186	9669479	Gmdrm	hypo	CG	-0.1365
Gm08	9678373	9678620	Gmdrm	hypo	CG	-0.0743
Gm08	9698572	9698648	Gmdrm	hypo	CG	-0.4833
Gm08	9724802	9725070	Gmdrm	hypo	CG	-0.0407
Gm08	9732096	9732182	Gmdrm	hypo	CG	-0.9683

Gm08	9743865	9743974	Gmdrm	hypo	CG	-0.8366
Gm08	9760887	9761089	Gmdrm	hypo	CG	-0.7638
Gm08	9784525	9784887	Gmdrm	hypo	CG	-0.4682
Gm08	9798919	9799162	Gmdrm	hypo	CG	-0.408
Gm08	9830483	9830818	Gmdrm	hypo	CG	-0.8623
Gm08	9848871	9848970	Gmdrm	hypo	CG	-0.5737
Gm08	9856981	9857153	Gmdrm	hypo	CG	-0.044
Gm08	9862313	9862425	Gmdrm	hypo	CG	-0.6934
Gm08	9900791	9900995	Gmdrm	hypo	CG	-0.5513
Gm08	9956817	9956906	Gmdrm	hypo	CG	-0.4834
Gm08	9957625	9957751	Gmdrm	hypo	CG	-0.67
Gm08	9958112	9958209	Gmdrm	hypo	CG	-0.937
Gm08	9984806	9984833	Gmdrm	hypo	CG	-0.29
Gm08	10134110	10134241	Gmdrm	hypo	CG	-0.6438
Gm08	10138602	10138689	Gmdrm	hypo	CG	-0.5925
Gm08	10138791	10138830	Gmdrm	hypo	CG	-0.1633
Gm08	10138936	10139036	Gmdrm	hypo	CG	-0.235
Gm08	10139771	10139913	Gmdrm	hypo	CG	-0.6767
Gm08	10151062	10151303	Gmdrm	hypo	CG	-0.7868
Gm08	10159245	10159493	Gmdrm	hypo	CG	-0.3959
Gm08	10160630	10160776	Gmdrm	hypo	CG	-0.0512
Gm08	10163707	10163732	Gmdrm	hypo	CG	-0.9467
Gm08	10180063	10180541	Gmdrm	hypo	CG	-0.0368
Gm08	10197263	10197555	Gmdrm	hypo	CG	-0.6194
Gm08	10197910	10198114	Gmdrm	hypo	CG	-0.6075
Gm08	10217235	10217267	Gmdrm	hypo	CG	-0.575
Gm08	10244820	10244970	Gmdrm	hypo	CG	-0.3729
Gm08	10269593	10269726	Gmdrm	hypo	CG	-0.11
Gm08	10271174	10271297	Gmdrm	hypo	CG	-0.9533
Gm08	10284658	10284806	Gmdrm	hypo	CG	-0.87
Gm08	10311834	10311901	Gmdrm	hypo	CG	-0.9212
Gm08	10366753	10366959	Gmdrm	hypo	CG	-0.8243
Gm08	10367317	10367433	Gmdrm	hypo	CG	-0.61
Gm08	10369579	10369938	Gmdrm	hypo	CG	-0.8153
Gm08	10395471	10395665	Gmdrm	hypo	CG	-0.51
Gm08	10403281	10403411	Gmdrm	hypo	CG	-0.0523
Gm08	10456398	10456517	Gmdrm	hypo	CG	-0.6767
Gm08	10479431	10479535	Gmdrm	hypo	CG	-0.74
Gm08	10479872	10480061	Gmdrm	hypo	CG	-0.0892
Gm08	10512216	10512420	Gmdrm	hypo	CG	-0.08
Gm08	10523881	10524092	Gmdrm	hypo	CG	-0.7155
Gm08	10553745	10553817	Gmdrm	hypo	CG	-0.949
Gm08	10576244	10576423	Gmdrm	hypo	CG	-0.0367
Gm08	10585618	10585683	Gmdrm	hypo	CG	-0.8067
Gm08	10587042	10587374	Gmdrm	hypo	CG	-0.3359
Gm08	10594941	10595113	Gmdrm	hypo	CG	-0.1287

Gm08	10595973	10596078	Gmdrm	hypo	CG	-0.3914
Gm08	10602340	10602561	Gmdrm	hypo	CG	-0.6587
Gm08	10643084	10643181	Gmdrm	hypo	CG	-0.3825
Gm08	10655980	10656201	Gmdrm	hypo	CG	-0.0471
Gm08	10698832	10698868	Gmdrm	hypo	CG	-0.7084
Gm08	10736044	10736370	Gmdrm	hypo	CG	-0.6364
Gm08	10745058	10745303	Gmdrm	hypo	CG	-0.0425
Gm08	10768142	10768322	Gmdrm	hypo	CG	-0.8762
Gm08	10791915	10792139	Gmdrm	hypo	CG	-0.0627
Gm08	10797881	10798010	Gmdrm	hypo	CG	-0.855
Gm08	10819175	10819292	Gmdrm	hypo	CG	-0.6633
Gm08	10825083	10825310	Gmdrm	hypo	CG	-0.6837
Gm08	10834591	10834844	Gmdrm	hypo	CG	-0.6062
Gm08	10863475	10863567	Gmdrm	hypo	CG	-0.238
Gm08	10877581	10877651	Gmdrm	hypo	CG	-0.7183
Gm08	10877828	10877977	Gmdrm	hypo	CG	-0.6233
Gm08	10889499	10889749	Gmdrm	hypo	CG	-0.3129
Gm08	10919197	10919214	Gmdrm	hypo	CG	-0.605
Gm08	10919671	10919810	Gmdrm	hypo	CG	-0.4641
Gm08	10941342	10941455	Gmdrm	hypo	CG	-0.0471
Gm08	10951059	10951076	Gmdrm	hypo	CG	-0.9333
Gm08	10952253	10952347	Gmdrm	hypo	CG	-0.935
Gm08	10972892	10972975	Gmdrm	hypo	CG	-0.0563
Gm08	10973189	10973297	Gmdrm	hypo	CG	-0.3667
Gm08	11010983	11011281	Gmdrm	hypo	CG	-0.9561
Gm08	11015518	11015575	Gmdrm	hypo	CG	-0.6984
Gm08	11040786	11040888	Gmdrm	hypo	CG	-0.488
Gm08	11043380	11043487	Gmdrm	hypo	CG	-0.061
Gm08	11064216	11064382	Gmdrm	hypo	CG	-0.348
Gm08	11075313	11075557	Gmdrm	hypo	CG	-0.22
Gm08	11171739	11172018	Gmdrm	hypo	CG	-0.8557
Gm08	11172202	11172384	Gmdrm	hypo	CG	-0.7
Gm08	11184875	11184923	Gmdrm	hypo	CG	-0.6184
Gm08	11186980	11187101	Gmdrm	hypo	CG	-0.3291
Gm08	11187509	11187634	Gmdrm	hypo	CG	-0.2864
Gm08	11187940	11188147	Gmdrm	hypo	CG	-0.3715
Gm08	11194802	11194882	Gmdrm	hypo	CG	-0.487
Gm08	11216468	11216624	Gmdrm	hypo	CG	-0.405
Gm08	11229013	11229110	Gmdrm	hypo	CG	-0.5866
Gm08	11234229	11234396	Gmdrm	hypo	CG	-0.036
Gm08	11302890	11303035	Gmdrm	hypo	CG	-0.8933
Gm08	11320910	11321028	Gmdrm	hypo	CG	-0.9637
Gm08	11329706	11329813	Gmdrm	hypo	CG	-0.898
Gm08	11341159	11341382	Gmdrm	hypo	CG	-0.13
Gm08	11355000	11355069	Gmdrm	hypo	CG	-0.7263
Gm08	11355522	11355800	Gmdrm	hypo	CG	-0.8559

Gm08	11356599	11356849	Gmdrm	hypo	CG	-0.9787
Gm08	11357047	11357130	Gmdrm	hypo	CG	-0.8901
Gm08	11379751	11380750	Gmdrm	hypo	CG	-0.3617
Gm08	11380795	11381008	Gmdrm	hypo	CG	-0.809
Gm08	11382083	11382205	Gmdrm	hypo	CG	-0.916
Gm08	11391047	11391131	Gmdrm	hypo	CG	-0.091
Gm08	11397878	11398046	Gmdrm	hypo	CG	-0.0466
Gm08	11434752	11434815	Gmdrm	hypo	CG	-0.655
Gm08	11437367	11437529	Gmdrm	hypo	CG	-0.65
Gm08	11439931	11440069	Gmdrm	hypo	CG	-0.0382
Gm08	11463386	11463442	Gmdrm	hypo	CG	-0.6483
Gm08	11463793	11463949	Gmdrm	hypo	CG	-0.566
Gm08	11506543	11506651	Gmdrm	hypo	CG	-0.395
Gm08	11507346	11507476	Gmdrm	hypo	CG	-0.8488
Gm08	11529553	11529607	Gmdrm	hypo	CG	-0.9017
Gm08	11533488	11533521	Gmdrm	hypo	CG	-0.9733
Gm08	11562171	11562239	Gmdrm	hypo	CG	-0.4433
Gm08	11586810	11586855	Gmdrm	hypo	CG	-0.2683
Gm08	11586976	11587230	Gmdrm	hypo	CG	-0.2642
Gm08	11587646	11587889	Gmdrm	hypo	CG	-0.1275
Gm08	11588495	11588524	Gmdrm	hypo	CG	-0.465
Gm08	11622459	11622555	Gmdrm	hypo	CG	-0.0841
Gm08	11630537	11630712	Gmdrm	hypo	CG	-0.036
Gm08	11657993	11658326	Gmdrm	hypo	CG	-0.0318
Gm08	11669428	11669516	Gmdrm	hypo	CG	-0.6433
Gm08	11669795	11669856	Gmdrm	hypo	CG	-0.5433
Gm08	11680829	11680882	Gmdrm	hypo	CG	-0.05
Gm08	11684357	11684586	Gmdrm	hypo	CG	-0.1659
Gm08	11717404	11717532	Gmdrm	hypo	CG	-0.5275
Gm08	11726036	11726208	Gmdrm	hypo	CG	-0.7629
Gm08	11738864	11738890	Gmdrm	hypo	CG	-0.9083
Gm08	11818846	11819129	Gmdrm	hypo	CG	-0.5
Gm08	11838672	11838841	Gmdrm	hypo	CG	-0.8567
Gm08	11847713	11847961	Gmdrm	hypo	CG	-0.4458
Gm08	11856541	11856645	Gmdrm	hypo	CG	-0.7337
Gm08	11860809	11860916	Gmdrm	hypo	CG	-0.352
Gm08	11997929	11998094	Gmdrm	hypo	CG	-0.9312
Gm08	12017235	12017377	Gmdrm	hypo	CG	-0.483
Gm08	12018074	12018467	Gmdrm	hypo	CG	-0.6865
Gm08	12030699	12030927	Gmdrm	hypo	CG	-0.343
Gm08	12031081	12031306	Gmdrm	hypo	CG	-0.4338
Gm08	12031806	12031991	Gmdrm	hypo	CG	-0.5937
Gm08	12043001	12043270	Gmdrm	hypo	CG	-0.2
Gm08	12055692	12056429	Gmdrm	hypo	CG	-0.0342
Gm08	12065343	12065495	Gmdrm	hypo	CG	-0.034
Gm08	12067265	12067507	Gmdrm	hypo	CG	-0.895

Gm08	12070259	12070395	Gmdrm	hypo	CG	-0.6725
Gm08	12078349	12078400	Gmdrm	hypo	CG	-0.585
Gm08	12090593	12090692	Gmdrm	hypo	CG	-0.6787
Gm08	12096283	12096494	Gmdrm	hypo	CG	-0.2183
Gm08	12098034	12098091	Gmdrm	hypo	CG	-0.3767
Gm08	12100311	12100518	Gmdrm	hypo	CG	-0.9337
Gm08	12105698	12105883	Gmdrm	hypo	CG	-0.5414
Gm08	12107248	12107300	Gmdrm	hypo	CG	-0.392
Gm08	12137289	12137507	Gmdrm	hypo	CG	-0.5657
Gm08	12162467	12162617	Gmdrm	hypo	CG	-0.0514
Gm08	12192810	12193056	Gmdrm	hypo	CG	-0.576
Gm08	12212007	12212141	Gmdrm	hypo	CG	-0.905
Gm08	12226873	12226972	Gmdrm	hypo	CG	-0.22
Gm08	12231191	12231368	Gmdrm	hypo	CG	-0.2683
Gm08	12314544	12314932	Gmdrm	hypo	CG	-0.225
Gm08	12315807	12315916	Gmdrm	hypo	CG	-0.8862
Gm08	12318382	12318939	Gmdrm	hypo	CG	-0.0746
Gm08	12319044	12319113	Gmdrm	hypo	CG	-0.5816
Gm08	12338475	12338850	Gmdrm	hypo	CG	-0.4492
Gm08	12339428	12339784	Gmdrm	hypo	CG	-0.0421
Gm08	12340226	12340389	Gmdrm	hypo	CG	-0.6306
Gm08	12351447	12351664	Gmdrm	hypo	CG	-0.5914
Gm08	12352085	12352160	Gmdrm	hypo	CG	-0.86
Gm08	12352655	12352819	Gmdrm	hypo	CG	-0.33
Gm08	12356817	12356880	Gmdrm	hypo	CG	-0.226
Gm08	12362545	12362685	Gmdrm	hypo	CG	-0.9183
Gm08	12367571	12367602	Gmdrm	hypo	CG	-0.62
Gm08	12368092	12368268	Gmdrm	hypo	CG	-0.588
Gm08	12368639	12368703	Gmdrm	hypo	CG	-0.9033
Gm08	12368825	12368912	Gmdrm	hypo	CG	-0.775
Gm08	12386628	12386790	Gmdrm	hypo	CG	-0.715
Gm08	12391636	12391755	Gmdrm	hypo	CG	-0.5883
Gm08	12407165	12407316	Gmdrm	hypo	CG	-0.9175
Gm08	12407801	12407837	Gmdrm	hypo	CG	-0.3767
Gm08	12407949	12408096	Gmdrm	hypo	CG	-0.05
Gm08	12419835	12419981	Gmdrm	hypo	CG	-0.6936
Gm08	12432849	12433184	Gmdrm	hypo	CG	-0.1763
Gm08	12442334	12442598	Gmdrm	hypo	CG	-0.034
Gm08	12482405	12482486	Gmdrm	hypo	CG	-0.639
Gm08	12518720	12518989	Gmdrm	hypo	CG	-0.2244
Gm08	12555020	12555116	Gmdrm	hypo	CG	-0.2066
Gm08	12557642	12557763	Gmdrm	hypo	CG	-0.9341
Gm08	12569700	12569972	Gmdrm	hypo	CG	-0.056
Gm08	12573396	12573480	Gmdrm	hypo	CG	-0.821
Gm08	12574785	12575002	Gmdrm	hypo	CG	-0.784
Gm08	12581607	12581697	Gmdrm	hypo	CG	-0.7316

Gm08	12624952	12625071	Gmdrm	hypo	CG	-0.8449
Gm08	12631889	12631931	Gmdrm	hypo	CG	-0.168
Gm08	12638551	12638583	Gmdrm	hypo	CG	-0.325
Gm08	12639734	12640038	Gmdrm	hypo	CG	-0.2184
Gm08	12660891	12661060	Gmdrm	hypo	CG	-0.9212
Gm08	12664897	12665013	Gmdrm	hypo	CG	-0.1788
Gm08	12679351	12679427	Gmdrm	hypo	CG	-0.245
Gm08	12684823	12685094	Gmdrm	hypo	CG	-0.0872
Gm08	12688028	12688159	Gmdrm	hypo	CG	-0.91
Gm08	12692292	12692411	Gmdrm	hypo	CG	-0.924
Gm08	12706816	12706987	Gmdrm	hypo	CG	-0.8992
Gm08	12707120	12707253	Gmdrm	hypo	CG	-0.8808
Gm08	12713004	12713235	Gmdrm	hypo	CG	-0.1217
Gm08	12722125	12722269	Gmdrm	hypo	CG	-0.4385
Gm08	12765792	12765848	Gmdrm	hypo	CG	-0.865
Gm08	12774849	12775001	Gmdrm	hypo	CG	-0.8211
Gm08	12796020	12796293	Gmdrm	hypo	CG	-0.032
Gm08	12797912	12797983	Gmdrm	hypo	CG	-0.9675
Gm08	12830757	12830864	Gmdrm	hypo	CG	-0.035
Gm08	12859509	12859605	Gmdrm	hypo	CG	-0.544
Gm08	12872581	12872674	Gmdrm	hypo	CG	-0.4633
Gm08	12888987	12889811	Gmdrm	hypo	CG	-0.0276
Gm08	12892255	12892341	Gmdrm	hypo	CG	-0.045
Gm08	12898347	12898404	Gmdrm	hypo	CG	-0.5543
Gm08	12901195	12901248	Gmdrm	hypo	CG	-0.43
Gm08	12902795	12902829	Gmdrm	hypo	CG	-0.7633
Gm08	12920406	12920473	Gmdrm	hypo	CG	-0.735
Gm08	12940669	12940743	Gmdrm	hypo	CG	-0.24
Gm08	12973945	12974037	Gmdrm	hypo	CG	-0.6113
Gm08	13004296	13004367	Gmdrm	hypo	CG	-0.5817
Gm08	13004671	13004792	Gmdrm	hypo	CG	-0.7367
Gm08	13004937	13004995	Gmdrm	hypo	CG	-0.795
Gm08	13005176	13005399	Gmdrm	hypo	CG	-0.887
Gm08	13010726	13010770	Gmdrm	hypo	CG	-0.4316
Gm08	13018377	13018598	Gmdrm	hypo	CG	-0.9581
Gm08	13028208	13028313	Gmdrm	hypo	CG	-0.3151
Gm08	13037867	13038173	Gmdrm	hypo	CG	-0.028
Gm08	13066134	13066751	Gmdrm	hypo	CG	-0.0383
Gm08	13067462	13067648	Gmdrm	hypo	CG	-0.79
Gm08	13091411	13091617	Gmdrm	hypo	CG	-0.5592
Gm08	13097709	13097945	Gmdrm	hypo	CG	-0.8278
Gm08	13098083	13098228	Gmdrm	hypo	CG	-0.9577
Gm08	13114225	13114319	Gmdrm	hypo	CG	-0.9083
Gm08	13114735	13115051	Gmdrm	hypo	CG	-0.2359
Gm08	13131592	13131835	Gmdrm	hypo	CG	-0.351
Gm08	13149543	13149602	Gmdrm	hypo	CG	-0.779

Gm08	13171363	13171425	Gmdrm	hypo	CG	-0.8837
Gm08	13171541	13171656	Gmdrm	hypo	CG	-0.925
Gm08	13187403	13187577	Gmdrm	hypo	CG	-0.036
Gm08	13201110	13202041	Gmdrm	hypo	CG	-0.0306
Gm08	13202535	13202618	Gmdrm	hypo	CG	-0.6367
Gm08	13234024	13234336	Gmdrm	hypo	CG	-0.4865
Gm08	13235225	13235388	Gmdrm	hypo	CG	-0.4244
Gm08	13236722	13236785	Gmdrm	hypo	CG	-0.748
Gm08	13241904	13242364	Gmdrm	hypo	CG	-0.618
Gm08	13257729	13257892	Gmdrm	hypo	CG	-0.5522
Gm08	13280814	13280830	Gmdrm	hypo	CG	-0.16
Gm08	13300557	13300713	Gmdrm	hypo	CG	-0.068
Gm08	13320563	13320705	Gmdrm	hypo	CG	-0.803
Gm08	13332856	13332984	Gmdrm	hypo	CG	-0.5033
Gm08	13348376	13348451	Gmdrm	hypo	CG	-0.0283
Gm08	13377799	13377921	Gmdrm	hypo	CG	-0.86
Gm08	13387040	13387378	Gmdrm	hypo	CG	-0.8078
Gm08	13423111	13423338	Gmdrm	hypo	CG	-0.036
Gm08	13430071	13430302	Gmdrm	hypo	CG	-0.9061
Gm08	13430439	13430487	Gmdrm	hypo	CG	-0.9767
Gm08	13438261	13438664	Gmdrm	hypo	CG	-0.0982
Gm08	13442614	13442653	Gmdrm	hypo	CG	-0.9775
Gm08	13445963	13446114	Gmdrm	hypo	CG	-0.8425
Gm08	13446735	13446831	Gmdrm	hypo	CG	-0.65
Gm08	13447590	13447714	Gmdrm	hypo	CG	-0.8487
Gm08	13449284	13449509	Gmdrm	hypo	CG	-0.188
Gm08	13451899	13452053	Gmdrm	hypo	CG	-0.6291
Gm08	13452564	13452837	Gmdrm	hypo	CG	-0.8295
Gm08	13507358	13507435	Gmdrm	hypo	CG	-0.0725
Gm08	13514495	13514655	Gmdrm	hypo	CG	-0.062
Gm08	13517611	13518066	Gmdrm	hypo	CG	-0.5313
Gm08	13518382	13518465	Gmdrm	hypo	CG	-0.815
Gm08	13529114	13529172	Gmdrm	hypo	CG	-0.2762
Gm08	13532113	13532205	Gmdrm	hypo	CG	-0.985
Gm08	13534314	13534331	Gmdrm	hypo	CG	-0.09
Gm08	13535449	13535726	Gmdrm	hypo	CG	-0.5659
Gm08	13557878	13557968	Gmdrm	hypo	CG	-0.5983
Gm08	13581079	13581776	Gmdrm	hypo	CG	-0.1505
Gm08	13581894	13582429	Gmdrm	hypo	CG	-0.2322
Gm08	13587355	13587687	Gmdrm	hypo	CG	-0.7153
Gm08	13587788	13587929	Gmdrm	hypo	CG	-0.9733
Gm08	13594208	13594281	Gmdrm	hypo	CG	-0.902
Gm08	13604591	13604937	Gmdrm	hypo	CG	-0.2482
Gm08	13619804	13619894	Gmdrm	hypo	CG	-0.7843
Gm08	13645461	13645911	Gmdrm	hypo	CG	-0.9035
Gm08	13646530	13647079	Gmdrm	hypo	CG	-0.533

Gm08	13671919	13672086	Gmdrm	hypo	CG	-0.0399
Gm08	13678606	13678668	Gmdrm	hypo	CG	-0.652
Gm08	13678784	13678967	Gmdrm	hypo	CG	-0.6343
Gm08	13691605	13691825	Gmdrm	hypo	CG	-0.8378
Gm08	13698241	13698807	Gmdrm	hypo	CG	-0.6133
Gm08	13712149	13712302	Gmdrm	hypo	CG	-0.694
Gm08	13722114	13722191	Gmdrm	hypo	CG	-0.5
Gm08	13722511	13722547	Gmdrm	hypo	CG	-0.8917
Gm08	13734460	13734523	Gmdrm	hypo	CG	-0.4975
Gm08	13745261	13745485	Gmdrm	hypo	CG	-0.6962
Gm08	13761208	13761542	Gmdrm	hypo	CG	-0.7165
Gm08	13761659	13761979	Gmdrm	hypo	CG	-0.2119
Gm08	13809941	13809968	Gmdrm	hypo	CG	-0.9663
Gm08	13817434	13817609	Gmdrm	hypo	CG	-0.6833
Gm08	13817884	13817943	Gmdrm	hypo	CG	-0.3934
Gm08	13820313	13820611	Gmdrm	hypo	CG	-0.585
Gm08	13833426	13833546	Gmdrm	hypo	CG	-0.8462
Gm08	13833763	13833943	Gmdrm	hypo	CG	-0.5267
Gm08	13851417	13851481	Gmdrm	hypo	CG	-0.9587
Gm08	13851865	13851889	Gmdrm	hypo	CG	-0.8967
Gm08	13855494	13855828	Gmdrm	hypo	CG	-0.746
Gm08	13896278	13896695	Gmdrm	hypo	CG	-0.5631
Gm08	13898808	13898881	Gmdrm	hypo	CG	-0.9217
Gm08	13913354	13913475	Gmdrm	hypo	CG	-0.3442
Gm08	13937351	13937488	Gmdrm	hypo	CG	-0.6767
Gm08	13943697	13943790	Gmdrm	hypo	CG	-0.6158
Gm08	13943896	13944099	Gmdrm	hypo	CG	-0.1854
Gm08	13944221	13944315	Gmdrm	hypo	CG	-0.9593
Gm08	13944582	13944780	Gmdrm	hypo	CG	-0.0822
Gm08	13969793	13969914	Gmdrm	hypo	CG	-0.051
Gm08	13989888	13990037	Gmdrm	hypo	CG	-0.2925
Gm08	13990839	13991051	Gmdrm	hypo	CG	-0.0892
Gm08	14003223	14003394	Gmdrm	hypo	CG	-0.9025
Gm08	14003564	14003739	Gmdrm	hypo	CG	-0.8475
Gm08	14024564	14024785	Gmdrm	hypo	CG	-0.7196
Gm08	14028798	14028873	Gmdrm	hypo	CG	-0.9566
Gm08	14029009	14029317	Gmdrm	hypo	CG	-0.9433
Gm08	14041570	14041597	Gmdrm	hypo	CG	-0.795
Gm08	14047101	14047211	Gmdrm	hypo	CG	-0.6555
Gm08	14047710	14047835	Gmdrm	hypo	CG	-0.843
Gm08	14054244	14054361	Gmdrm	hypo	CG	-0.3995
Gm08	14073608	14073738	Gmdrm	hypo	CG	-0.0578
Gm08	14075874	14075947	Gmdrm	hypo	CG	-0.3884
Gm08	14076053	14076134	Gmdrm	hypo	CG	-0.3449
Gm08	14076252	14076356	Gmdrm	hypo	CG	-0.5384
Gm08	14085206	14085303	Gmdrm	hypo	CG	-0.8033

Gm08	14085541	14085635	Gmdrm	hypo	CG	-0.525
Gm08	14089730	14089863	Gmdrm	hypo	CG	-0.63
Gm08	14103249	14103584	Gmdrm	hypo	CG	-0.0827
Gm08	14103704	14103900	Gmdrm	hypo	CG	-0.5854
Gm08	14129445	14129511	Gmdrm	hypo	CG	-0.2708
Gm08	14129766	14129804	Gmdrm	hypo	CG	-0.7567
Gm08	14130535	14130589	Gmdrm	hypo	CG	-0.9383
Gm08	14160317	14160533	Gmdrm	hypo	CG	-0.7625
Gm08	14160907	14161107	Gmdrm	hypo	CG	-0.5958
Gm08	14162739	14162916	Gmdrm	hypo	CG	-0.9562
Gm08	14183294	14184255	Gmdrm	hypo	CG	-0.3376
Gm08	14203898	14204288	Gmdrm	hypo	CG	-0.6006
Gm08	14211693	14211805	Gmdrm	hypo	CG	-0.3913
Gm08	14223651	14223678	Gmdrm	hypo	CG	-0.045
Gm08	14249387	14249535	Gmdrm	hypo	CG	-0.611
Gm08	14255669	14255956	Gmdrm	hypo	CG	-0.4847
Gm08	14256742	14257165	Gmdrm	hypo	CG	-0.7346
Gm08	14257586	14257668	Gmdrm	hypo	CG	-0.3433
Gm08	14280965	14281165	Gmdrm	hypo	CG	-0.833
Gm08	14284763	14284852	Gmdrm	hypo	CG	-0.9025
Gm08	14285047	14285113	Gmdrm	hypo	CG	-0.4616
Gm08	14285267	14285433	Gmdrm	hypo	CG	-0.1928
Gm08	14285555	14285700	Gmdrm	hypo	CG	-0.1419
Gm08	14300973	14301109	Gmdrm	hypo	CG	-0.0612
Gm08	14301326	14301513	Gmdrm	hypo	CG	-0.4862
Gm08	14318041	14318223	Gmdrm	hypo	CG	-0.0367
Gm08	14324615	14324704	Gmdrm	hypo	CG	-0.4375
Gm08	14325294	14325556	Gmdrm	hypo	CG	-0.535
Gm08	14327827	14328185	Gmdrm	hypo	CG	-0.551
Gm08	14356909	14356975	Gmdrm	hypo	CG	-0.848
Gm08	14370389	14370720	Gmdrm	hypo	CG	-0.0703
Gm08	14370999	14371039	Gmdrm	hypo	CG	-0.4233
Gm08	14388179	14388319	Gmdrm	hypo	CG	-0.6668
Gm08	14403110	14403391	Gmdrm	hypo	CG	-0.0555
Gm08	14409847	14409950	Gmdrm	hypo	CG	-0.5313
Gm08	14410195	14410298	Gmdrm	hypo	CG	-0.8258
Gm08	14410740	14410855	Gmdrm	hypo	CG	-0.8116
Gm08	14413646	14413876	Gmdrm	hypo	CG	-0.8546
Gm08	14415182	14415461	Gmdrm	hypo	CG	-0.6994
Gm08	14431085	14431304	Gmdrm	hypo	CG	-0.5844
Gm08	14439206	14439254	Gmdrm	hypo	CG	-0.1817
Gm08	14482008	14482263	Gmdrm	hypo	CG	-0.1243
Gm08	14484307	14484586	Gmdrm	hypo	CG	-0.1774
Gm08	14510570	14510722	Gmdrm	hypo	CG	-0.6146
Gm08	14515467	14515869	Gmdrm	hypo	CG	-0.3835
Gm08	14522379	14522549	Gmdrm	hypo	CG	-0.038

Gm08	14539143	14539229	Gmdrm	hypo	CG	-0.6134
Gm08	14559633	14559809	Gmdrm	hypo	CG	-0.5586
Gm08	14560538	14560864	Gmdrm	hypo	CG	-0.5096
Gm08	14566628	14566698	Gmdrm	hypo	CG	-0.4475
Gm08	14566877	14566951	Gmdrm	hypo	CG	-0.668
Gm08	14584731	14584772	Gmdrm	hypo	CG	-0.91
Gm08	14585011	14585036	Gmdrm	hypo	CG	-0.67
Gm08	14585673	14585827	Gmdrm	hypo	CG	-0.6766
Gm08	14591926	14592144	Gmdrm	hypo	CG	-0.5128
Gm08	14594557	14594617	Gmdrm	hypo	CG	-0.3316
Gm08	14603334	14603360	Gmdrm	hypo	CG	-0.6183
Gm08	14607540	14607825	Gmdrm	hypo	CG	-0.4817
Gm08	14607937	14608164	Gmdrm	hypo	CG	-0.6312
Gm08	14608340	14608380	Gmdrm	hypo	CG	-0.685
Gm08	14612453	14612840	Gmdrm	hypo	CG	-0.1212
Gm08	14614650	14614958	Gmdrm	hypo	CG	-0.5522
Gm08	14616387	14616546	Gmdrm	hypo	CG	-0.615
Gm08	14669849	14669932	Gmdrm	hypo	CG	-0.6529
Gm08	14690262	14690459	Gmdrm	hypo	CG	-0.5533
Gm08	14693328	14693476	Gmdrm	hypo	CG	-0.82
Gm08	14699392	14699525	Gmdrm	hypo	CG	-0.321
Gm08	14714361	14714489	Gmdrm	hypo	CG	-0.8233
Gm08	14715362	14715430	Gmdrm	hypo	CG	-0.9651
Gm08	14718049	14718235	Gmdrm	hypo	CG	-0.7808
Gm08	14723596	14723791	Gmdrm	hypo	CG	-0.496
Gm08	14748560	14748747	Gmdrm	hypo	CG	-0.266
Gm08	14751414	14751457	Gmdrm	hypo	CG	-0.5567
Gm08	14766939	14767012	Gmdrm	hypo	CG	-0.92
Gm08	14784486	14785057	Gmdrm	hypo	CG	-0.102
Gm08	14787956	14788235	Gmdrm	hypo	CG	-0.2126
Gm08	14832248	14832363	Gmdrm	hypo	CG	-0.08
Gm08	14838282	14838507	Gmdrm	hypo	CG	-0.7625
Gm08	14871061	14871098	Gmdrm	hypo	CG	-0.3616
Gm08	14880812	14880890	Gmdrm	hypo	CG	-0.925
Gm08	14885422	14885434	Gmdrm	hypo	CG	-0.6366
Gm08	14912189	14912554	Gmdrm	hypo	CG	-0.5715
Gm08	14912747	14912781	Gmdrm	hypo	CG	-0.1783
Gm08	14913244	14913508	Gmdrm	hypo	CG	-0.5515
Gm08	14916185	14916342	Gmdrm	hypo	CG	-0.0638
Gm08	14922265	14922278	Gmdrm	hypo	CG	-0.3367
Gm08	14955693	14955826	Gmdrm	hypo	CG	-0.278
Gm08	14955962	14956141	Gmdrm	hypo	CG	-0.4181
Gm08	14958250	14958395	Gmdrm	hypo	CG	-0.66
Gm08	14960303	14960443	Gmdrm	hypo	CG	-0.064
Gm08	14983943	14984197	Gmdrm	hypo	CG	-0.8291
Gm08	15002270	15002417	Gmdrm	hypo	CG	-0.7866

Gm08	15014876	15014958	Gmdrm	hypo	CG	-0.785
Gm08	15052400	15052567	Gmdrm	hypo	CG	-0.2929
Gm08	15055119	15055175	Gmdrm	hypo	CG	-0.81
Gm08	15058419	15058550	Gmdrm	hypo	CG	-0.8212
Gm08	15083875	15084025	Gmdrm	hypo	CG	-0.5528
Gm08	15147859	15148130	Gmdrm	hypo	CG	-0.0225
Gm08	15148812	15148919	Gmdrm	hypo	CG	-0.6705
Gm08	15162699	15162788	Gmdrm	hypo	CG	-0.9517
Gm08	15178766	15178797	Gmdrm	hypo	CG	-0.15
Gm08	15179033	15179301	Gmdrm	hypo	CG	-0.4557
Gm08	15198969	15199015	Gmdrm	hypo	CG	-0.0437
Gm08	15231465	15231605	Gmdrm	hypo	CG	-0.462
Gm08	15234759	15234906	Gmdrm	hypo	CG	-0.724
Gm08	15241712	15241823	Gmdrm	hypo	CG	-0.1574
Gm08	15266151	15266201	Gmdrm	hypo	CG	-0.77
Gm08	15275395	15275589	Gmdrm	hypo	CG	-0.54
Gm08	15288465	15288579	Gmdrm	hypo	CG	-0.1383
Gm08	15313771	15313963	Gmdrm	hypo	CG	-0.1563
Gm08	15347700	15348075	Gmdrm	hypo	CG	-0.1863
Gm08	15365389	15365658	Gmdrm	hypo	CG	-0.1338
Gm08	15390644	15390812	Gmdrm	hypo	CG	-0.37
Gm08	15391597	15392187	Gmdrm	hypo	CG	-0.8635
Gm08	15393055	15393218	Gmdrm	hypo	CG	-0.6743
Gm08	15412549	15412632	Gmdrm	hypo	CG	-0.2023
Gm08	15421247	15421436	Gmdrm	hypo	CG	-0.6978
Gm08	15421830	15421977	Gmdrm	hypo	CG	-0.4392
Gm08	15427072	15427870	Gmdrm	hypo	CG	-0.2956
Gm08	15428366	15428384	Gmdrm	hypo	CG	-0.032
Gm08	15433204	15433440	Gmdrm	hypo	CG	-0.6329
Gm08	15448759	15449198	Gmdrm	hypo	CG	-0.3481
Gm08	15465991	15466122	Gmdrm	hypo	CG	-0.2067
Gm08	15469459	15469561	Gmdrm	hypo	CG	-0.24
Gm08	15499506	15499916	Gmdrm	hypo	CG	-0.4509
Gm08	15507252	15507912	Gmdrm	hypo	CG	-0.4492
Gm08	15515717	15515838	Gmdrm	hypo	CG	-0.8573
Gm08	15519910	15520181	Gmdrm	hypo	CG	-0.475
Gm08	15548609	15548765	Gmdrm	hypo	CG	-0.6244
Gm08	15548921	15549071	Gmdrm	hypo	CG	-0.855
Gm08	15549554	15549623	Gmdrm	hypo	CG	-0.68
Gm08	15564075	15564389	Gmdrm	hypo	CG	-0.5427
Gm08	15600586	15600662	Gmdrm	hypo	CG	-0.8325
Gm08	15604578	15605144	Gmdrm	hypo	CG	-0.2789
Gm08	15605311	15605404	Gmdrm	hypo	CG	-0.2671
Gm08	15606396	15606523	Gmdrm	hypo	CG	-0.843
Gm08	15643531	15643571	Gmdrm	hypo	CG	-0.7183
Gm08	15643737	15643839	Gmdrm	hypo	CG	-0.6917

Gm08	15645762	15645866	Gmdrm	hypo	CG	-0.46
Gm08	15673384	15673651	Gmdrm	hypo	CG	-0.2631
Gm08	15674801	15674936	Gmdrm	hypo	CG	-0.255
Gm08	15684791	15685067	Gmdrm	hypo	CG	-0.6683
Gm08	15685247	15685349	Gmdrm	hypo	CG	-0.67
Gm08	15688095	15688140	Gmdrm	hypo	CG	-0.33
Gm08	15696021	15696136	Gmdrm	hypo	CG	-0.6567
Gm08	15696265	15696451	Gmdrm	hypo	CG	-0.8813
Gm08	15701874	15702075	Gmdrm	hypo	CG	-0.7636
Gm08	15714838	15715108	Gmdrm	hypo	CG	-0.255
Gm08	15716277	15716377	Gmdrm	hypo	CG	-0.299
Gm08	15726750	15726798	Gmdrm	hypo	CG	-0.155
Gm08	15753163	15753317	Gmdrm	hypo	CG	-0.2728
Gm08	15762022	15762088	Gmdrm	hypo	CG	-0.7212
Gm08	15774123	15774432	Gmdrm	hypo	CG	-0.2523
Gm08	15779666	15779749	Gmdrm	hypo	CG	-0.742
Gm08	15791007	15791060	Gmdrm	hypo	CG	-0.53
Gm08	15822016	15822233	Gmdrm	hypo	CG	-0.2218
Gm08	15824366	15824704	Gmdrm	hypo	CG	-0.6973
Gm08	15840892	15841021	Gmdrm	hypo	CG	-0.6116
Gm08	15850356	15850462	Gmdrm	hypo	CG	-0.622
Gm08	15853644	15853868	Gmdrm	hypo	CG	-0.0483
Gm08	15859152	15859799	Gmdrm	hypo	CG	-0.1115
Gm08	15861167	15861264	Gmdrm	hypo	CG	-0.3713
Gm08	15863080	15863178	Gmdrm	hypo	CG	-0.2411
Gm08	15863833	15864145	Gmdrm	hypo	CG	-0.235
Gm08	15908365	15908448	Gmdrm	hypo	CG	-0.048
Gm08	15914109	15914188	Gmdrm	hypo	CG	-0.5717
Gm08	15914614	15914792	Gmdrm	hypo	CG	-0.453
Gm08	15929145	15929251	Gmdrm	hypo	CG	-0.6537
Gm08	15929398	15929430	Gmdrm	hypo	CG	-0.414
Gm08	15966236	15966419	Gmdrm	hypo	CG	-0.4987
Gm08	15986933	15987013	Gmdrm	hypo	CG	-0.7617
Gm08	15988416	15988505	Gmdrm	hypo	CG	-0.7314
Gm08	15993372	15993408	Gmdrm	hypo	CG	-0.3883
Gm08	16008004	16008097	Gmdrm	hypo	CG	-0.9567
Gm08	16023779	16023877	Gmdrm	hypo	CG	-0.856
Gm08	16035743	16035810	Gmdrm	hypo	CG	-0.6884
Gm08	16039424	16039571	Gmdrm	hypo	CG	-0.8695
Gm08	16047388	16047645	Gmdrm	hypo	CG	-0.8
Gm08	16053853	16053935	Gmdrm	hypo	CG	-0.6043
Gm08	16061814	16061927	Gmdrm	hypo	CG	-0.2517
Gm08	16114657	16114736	Gmdrm	hypo	CG	-0.3617
Gm08	16115042	16115106	Gmdrm	hypo	CG	-0.0863
Gm08	16115624	16115780	Gmdrm	hypo	CG	-0.8311
Gm08	16124148	16124547	Gmdrm	hypo	CG	-0.1113

Gm08	16126959	16127023	Gmdrm	hypo	CG	-0.9516
Gm08	16132447	16132558	Gmdrm	hypo	CG	-0.305
Gm08	16174947	16175081	Gmdrm	hypo	CG	-0.6467
Gm08	16194184	16194369	Gmdrm	hypo	CG	-0.024
Gm08	16219896	16220061	Gmdrm	hypo	CG	-0.524
Gm08	16220417	16220657	Gmdrm	hypo	CG	-0.4887
Gm08	16224520	16224663	Gmdrm	hypo	CG	-0.2816
Gm08	16251928	16251973	Gmdrm	hypo	CG	-0.724
Gm08	16255840	16255960	Gmdrm	hypo	CG	-0.5231
Gm08	16256274	16256438	Gmdrm	hypo	CG	-0.6018
Gm08	16256572	16256658	Gmdrm	hypo	CG	-0.024
Gm08	16267642	16267752	Gmdrm	hypo	CG	-0.036
Gm08	16268867	16268980	Gmdrm	hypo	CG	-0.59
Gm08	16270908	16271050	Gmdrm	hypo	CG	-0.6787
Gm08	16271835	16271978	Gmdrm	hypo	CG	-0.6975
Gm08	16286143	16286430	Gmdrm	hypo	CG	-0.1411
Gm08	16313042	16313124	Gmdrm	hypo	CG	-0.759
Gm08	16313282	16313406	Gmdrm	hypo	CG	-0.4763
Gm08	16313944	16314000	Gmdrm	hypo	CG	-0.9533
Gm08	16317874	16318081	Gmdrm	hypo	CG	-0.043
Gm08	16334035	16334052	Gmdrm	hypo	CG	-0.0817
Gm08	16338225	16338518	Gmdrm	hypo	CG	-0.1668
Gm08	16344386	16344562	Gmdrm	hypo	CG	-0.9359
Gm08	16364848	16365049	Gmdrm	hypo	CG	-0.0758
Gm08	16384043	16384466	Gmdrm	hypo	CG	-0.1647
Gm08	16390913	16390984	Gmdrm	hypo	CG	-0.6956
Gm08	16398518	16398656	Gmdrm	hypo	CG	-0.8867
Gm08	16399394	16399612	Gmdrm	hypo	CG	-0.124
Gm08	16423355	16423588	Gmdrm	hypo	CG	-0.8568
Gm08	16443256	16443621	Gmdrm	hypo	CG	-0.2618
Gm08	16470207	16470532	Gmdrm	hypo	CG	-0.05
Gm08	16505236	16505311	Gmdrm	hypo	CG	-0.036
Gm08	16508489	16508690	Gmdrm	hypo	CG	-0.1437
Gm08	16512885	16513019	Gmdrm	hypo	CG	-0.887
Gm08	16514007	16514028	Gmdrm	hypo	CG	-0.0963
Gm08	16514180	16514408	Gmdrm	hypo	CG	-0.2188
Gm08	16520507	16520665	Gmdrm	hypo	CG	-0.066
Gm08	16554060	16554139	Gmdrm	hypo	CG	-0.7483
Gm08	16555055	16555156	Gmdrm	hypo	CG	-0.8788
Gm08	16571497	16571626	Gmdrm	hypo	CG	-0.5914
Gm08	16571749	16571921	Gmdrm	hypo	CG	-0.489
Gm08	16572239	16572450	Gmdrm	hypo	CG	-0.4043
Gm08	16582971	16583119	Gmdrm	hypo	CG	-0.7537
Gm08	16594094	16594189	Gmdrm	hypo	CG	-0.6871
Gm08	16629635	16630585	Gmdrm	hypo	CG	-0.1709
Gm08	16643452	16643528	Gmdrm	hypo	CG	-0.79

Gm08	16654130	16654231	Gmdrm	hypo	CG	-0.9338
Gm08	16681632	16681796	Gmdrm	hypo	CG	-0.5536
Gm08	16682519	16682617	Gmdrm	hypo	CG	-0.0629
Gm08	16687985	16688051	Gmdrm	hypo	CG	-0.4934
Gm08	16710231	16710594	Gmdrm	hypo	CG	-0.4506
Gm08	16710788	16710897	Gmdrm	hypo	CG	-0.6875
Gm08	16711145	16711485	Gmdrm	hypo	CG	-0.2628
Gm08	16735697	16735758	Gmdrm	hypo	CG	-0.945
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Gm08	16747641	16747831	Gmdrm	hypo	CG	-0.8356
Gm08	16802384	16802478	Gmdrm	hypo	CG	-0.835
Gm08	16834031	16834207	Gmdrm	hypo	CG	-0.411
Gm08	16844427	16844477	Gmdrm	hypo	CG	-0.9534
Gm08	16850492	16850617	Gmdrm	hypo	CG	-0.5666
Gm08	16850927	16851151	Gmdrm	hypo	CG	-0.1331
Gm08	16858509	16858746	Gmdrm	hypo	CG	-0.7473
Gm08	16864410	16864829	Gmdrm	hypo	CG	-0.5062
Gm08	16882137	16882523	Gmdrm	hypo	CG	-0.2604
Gm08	16896191	16896309	Gmdrm	hypo	CG	-0.036
Gm08	16897062	16897280	Gmdrm	hypo	CG	-0.6942
Gm08	16898113	16898221	Gmdrm	hypo	CG	-0.342
Gm08	16901141	16901201	Gmdrm	hypo	CG	-0.3033
Gm08	16919291	16919371	Gmdrm	hypo	CG	-0.625
Gm08	16920512	16920622	Gmdrm	hypo	CG	-0.919
Gm08	16920826	16921056	Gmdrm	hypo	CG	-0.8822
Gm08	16925680	16926006	Gmdrm	hypo	CG	-0.4371
Gm08	16932834	16932937	Gmdrm	hypo	CG	-0.2916
Gm08	16942830	16942956	Gmdrm	hypo	CG	-0.9933
Gm08	16943159	16943261	Gmdrm	hypo	CG	-0.9586
Gm08	16948596	16948717	Gmdrm	hypo	CG	-0.98
Gm08	16963736	16963805	Gmdrm	hypo	CG	-0.6322
Gm08	16965823	16965955	Gmdrm	hypo	CG	-0.2212
Gm08	16968548	16968675	Gmdrm	hypo	CG	-0.2927
Gm08	16968806	16969067	Gmdrm	hypo	CG	-0.91
Gm08	16971251	16971824	Gmdrm	hypo	CG	-0.9181
Gm08	16986842	16987018	Gmdrm	hypo	CG	-0.528
Gm08	17003857	17003985	Gmdrm	hypo	CG	-0.355
Gm08	17005338	17005644	Gmdrm	hypo	CG	-0.195
Gm08	17009149	17009188	Gmdrm	hypo	CG	-0.6787
Gm08	17009382	17009426	Gmdrm	hypo	CG	-0.9333
Gm08	17015568	17015799	Gmdrm	hypo	CG	-0.815
Gm08	17017684	17017831	Gmdrm	hypo	CG	-0.7425
Gm08	17017935	17017965	Gmdrm	hypo	CG	-0.825
Gm08	17026423	17026712	Gmdrm	hypo	CG	-0.5244
Gm08	17034255	17034554	Gmdrm	hypo	CG	-0.9442
Gm08	17038438	17038636	Gmdrm	hypo	CG	-0.1438

Gm08	17063656	17063838	Gmdrm	hypo	CG	-0.3829
Gm08	17125039	17125198	Gmdrm	hypo	CG	-0.8929
Gm08	17125676	17125739	Gmdrm	hypo	CG	-0.42
Gm08	17126287	17126336	Gmdrm	hypo	CG	-0.2488
Gm08	17126512	17126768	Gmdrm	hypo	CG	-0.6033
Gm08	17143782	17143961	Gmdrm	hypo	CG	-0.202
Gm08	17145963	17146237	Gmdrm	hypo	CG	-0.6492
Gm08	17151924	17152273	Gmdrm	hypo	CG	-0.5567
Gm08	17152375	17152522	Gmdrm	hypo	CG	-0.594
Gm08	17153487	17154004	Gmdrm	hypo	CG	-0.3222
Gm08	17158572	17158641	Gmdrm	hypo	CG	-0.85
Gm08	17169526	17169744	Gmdrm	hypo	CG	-0.9671
Gm08	17175858	17175880	Gmdrm	hypo	CG	-0.0817
Gm08	17212283	17212380	Gmdrm	hypo	CG	-0.5383
Gm08	17212671	17212986	Gmdrm	hypo	CG	-0.7583
Gm08	17214020	17214147	Gmdrm	hypo	CG	-0.5625
Gm08	17217853	17217979	Gmdrm	hypo	CG	-0.942
Gm08	17228267	17228644	Gmdrm	hypo	CG	-0.1337
Gm08	17282342	17282634	Gmdrm	hypo	CG	-0.5207
Gm08	17291399	17291711	Gmdrm	hypo	CG	-0.5116
Gm08	17297135	17297479	Gmdrm	hypo	CG	-0.8805
Gm08	17297868	17298132	Gmdrm	hypo	CG	-0.8575
Gm08	17309900	17310147	Gmdrm	hypo	CG	-0.8417
Gm08	17310297	17310384	Gmdrm	hypo	CG	-0.845
Gm08	17358956	17359068	Gmdrm	hypo	CG	-1
Gm08	17384665	17384772	Gmdrm	hypo	CG	-0.491
Gm08	17385497	17385601	Gmdrm	hypo	CG	-0.2014
Gm08	17398656	17399051	Gmdrm	hypo	CG	-0.0652
Gm08	17401640	17401754	Gmdrm	hypo	CG	-0.195
Gm08	17407919	17408076	Gmdrm	hypo	CG	-0.5457
Gm08	17427401	17427490	Gmdrm	hypo	CG	-0.9066
Gm08	17432249	17432473	Gmdrm	hypo	CG	-0.5715
Gm08	17433116	17433268	Gmdrm	hypo	CG	-0.0891
Gm08	17435288	17435445	Gmdrm	hypo	CG	-0.0709
Gm08	17440578	17440717	Gmdrm	hypo	CG	-0.734
Gm08	17442934	17442961	Gmdrm	hypo	CG	-0.2467
Gm08	17443786	17443861	Gmdrm	hypo	CG	-0.246
Gm08	17454344	17454623	Gmdrm	hypo	CG	-0.8792
Gm08	17484494	17484552	Gmdrm	hypo	CG	-0.5483
Gm08	17491451	17491776	Gmdrm	hypo	CG	-0.0557
Gm08	17492632	17492810	Gmdrm	hypo	CG	-0.03
Gm08	17503965	17504111	Gmdrm	hypo	CG	-0.6378
Gm08	17505261	17505328	Gmdrm	hypo	CG	-0.0483
Gm08	17513171	17513451	Gmdrm	hypo	CG	-0.39
Gm08	17514022	17514298	Gmdrm	hypo	CG	-0.8248
Gm08	17526322	17526564	Gmdrm	hypo	CG	-0.8878

Gm08	17528277	17528427	Gmdrm	hypo	CG	-0.6008
Gm08	17532363	17532685	Gmdrm	hypo	CG	-0.26
Gm08	17541772	17541793	Gmdrm	hypo	CG	-0.2675
Gm08	17575945	17576089	Gmdrm	hypo	CG	-0.94
Gm08	17576491	17576545	Gmdrm	hypo	CG	-0.8567
Gm08	17577588	17577628	Gmdrm	hypo	CG	-0.9033
Gm08	17585107	17585241	Gmdrm	hypo	CG	-0.0537
Gm08	17589693	17590190	Gmdrm	hypo	CG	-0.1341
Gm08	17595697	17595969	Gmdrm	hypo	CG	-0.4383
Gm08	17605536	17605609	Gmdrm	hypo	CG	-0.285
Gm08	17606040	17606180	Gmdrm	hypo	CG	-0.6825
Gm08	17609893	17609996	Gmdrm	hypo	CG	-0.3614
Gm08	17626715	17626760	Gmdrm	hypo	CG	-0.9274
Gm08	17629455	17629626	Gmdrm	hypo	CG	-0.8243
Gm08	17639988	17640105	Gmdrm	hypo	CG	-0.69
Gm08	17648720	17648787	Gmdrm	hypo	CG	-0.4066
Gm08	17648980	17649066	Gmdrm	hypo	CG	-0.7071
Gm08	17655304	17655489	Gmdrm	hypo	CG	-0.7528
Gm08	17656579	17656915	Gmdrm	hypo	CG	-0.5482
Gm08	17661329	17661411	Gmdrm	hypo	CG	-0.2934
Gm08	17661516	17661602	Gmdrm	hypo	CG	-0.738
Gm08	17661883	17661956	Gmdrm	hypo	CG	-0.2117
Gm08	17663196	17664194	Gmdrm	hypo	CG	-0.2577
Gm08	17687802	17687878	Gmdrm	hypo	CG	-0.0667
Gm08	17692297	17692395	Gmdrm	hypo	CG	-0.734
Gm08	17702276	17702361	Gmdrm	hypo	CG	-0.5617
Gm08	17702605	17702712	Gmdrm	hypo	CG	-0.7517
Gm08	17703455	17703490	Gmdrm	hypo	CG	-0.3975
Gm08	17704470	17704842	Gmdrm	hypo	CG	-0.4285
Gm08	17719943	17720058	Gmdrm	hypo	CG	-0.5822
Gm08	17722588	17722833	Gmdrm	hypo	CG	-0.1622
Gm08	17732179	17733126	Gmdrm	hypo	CG	-0.3029
Gm08	17744659	17744816	Gmdrm	hypo	CG	-0.5425
Gm08	17750223	17750287	Gmdrm	hypo	CG	-0.435
Gm08	17750739	17750865	Gmdrm	hypo	CG	-0.4337
Gm08	17751009	17751191	Gmdrm	hypo	CG	-0.6407
Gm08	17759667	17759795	Gmdrm	hypo	CG	-0.9533
Gm08	17824483	17824659	Gmdrm	hypo	CG	-0.6071
Gm08	17836571	17837065	Gmdrm	hypo	CG	-0.2205
Gm08	17841904	17842091	Gmdrm	hypo	CG	-0.12
Gm08	17855516	17855664	Gmdrm	hypo	CG	-0.575
Gm08	17855825	17855862	Gmdrm	hypo	CG	-0.5866
Gm08	17899414	17899595	Gmdrm	hypo	CG	-0.778
Gm08	17939681	17939723	Gmdrm	hypo	CG	-0.066
Gm08	17979444	17979584	Gmdrm	hypo	CG	-0.9325
Gm08	17997232	17997298	Gmdrm	hypo	CG	-0.606

Gm08	18012737	18012791	Gmdrm	hypo	CG	-0.87
Gm08	18025500	18025704	Gmdrm	hypo	CG	-0.519
Gm08	18025823	18025952	Gmdrm	hypo	CG	-0.52
Gm08	18032793	18033027	Gmdrm	hypo	CG	-0.717
Gm08	18054070	18054154	Gmdrm	hypo	CG	-0.4537
Gm08	18106009	18106049	Gmdrm	hypo	CG	-0.775
Gm08	18163311	18163342	Gmdrm	hypo	CG	-0.56
Gm08	18186984	18187446	Gmdrm	hypo	CG	-0.204
Gm08	18194255	18194445	Gmdrm	hypo	CG	-0.293
Gm08	18199780	18200167	Gmdrm	hypo	CG	-0.7898
Gm08	18260947	18261093	Gmdrm	hypo	CG	-0.5192
Gm08	18261389	18261540	Gmdrm	hypo	CG	-0.7907
Gm08	18262442	18262529	Gmdrm	hypo	CG	-0.889
Gm08	18269819	18270042	Gmdrm	hypo	CG	-0.07
Gm08	18270345	18270442	Gmdrm	hypo	CG	-0.775
Gm08	18270750	18271010	Gmdrm	hypo	CG	-0.5192
Gm08	18287791	18287930	Gmdrm	hypo	CG	-0.0433
Gm08	18290048	18290137	Gmdrm	hypo	CG	-0.655
Gm08	18295209	18295453	Gmdrm	hypo	CG	-0.4222
Gm08	18301019	18301227	Gmdrm	hypo	CG	-0.5995
Gm08	18302219	18302500	Gmdrm	hypo	CG	-0.0922
Gm08	18364129	18364540	Gmdrm	hypo	CG	-0.0405
Gm08	18374806	18374971	Gmdrm	hypo	CG	-0.7312
Gm08	18376886	18376982	Gmdrm	hypo	CG	-0.2934
Gm08	18430897	18430992	Gmdrm	hypo	CG	-0.13
Gm08	18448763	18448893	Gmdrm	hypo	CG	-0.21
Gm08	18514888	18515032	Gmdrm	hypo	CG	-0.053
Gm08	18527544	18527875	Gmdrm	hypo	CG	-0.5742
Gm08	18533533	18533667	Gmdrm	hypo	CG	-0.7216
Gm08	18545602	18545764	Gmdrm	hypo	CG	-0.8156
Gm08	18567567	18567730	Gmdrm	hypo	CG	-0.1082
Gm08	18567846	18568131	Gmdrm	hypo	CG	-0.1064
Gm08	18580691	18580759	Gmdrm	hypo	CG	-0.0875
Gm08	18603879	18604135	Gmdrm	hypo	CG	-0.8536
Gm08	18604735	18605110	Gmdrm	hypo	CG	-0.4777
Gm08	18606647	18606822	Gmdrm	hypo	CG	-0.123
Gm08	18608035	18608231	Gmdrm	hypo	CG	-0.4478
Gm08	18608742	18609070	Gmdrm	hypo	CG	-0.0465
Gm08	18622582	18622803	Gmdrm	hypo	CG	-0.155
Gm08	18623273	18623395	Gmdrm	hypo	CG	-0.2037
Gm08	18623551	18623596	Gmdrm	hypo	CG	-0.4401
Gm08	18638681	18638762	Gmdrm	hypo	CG	-0.1415
Gm08	18643260	18643598	Gmdrm	hypo	CG	-0.2564
Gm08	18645645	18645759	Gmdrm	hypo	CG	-0.9257
Gm08	18663339	18663580	Gmdrm	hypo	CG	-0.0614
Gm08	18691577	18691621	Gmdrm	hypo	CG	-0.3684

Gm08	18692294	18692427	Gmdrm	hypo	CG	-0.466
Gm08	18710770	18711044	Gmdrm	hypo	CG	-0.5981
Gm08	18757547	18757647	Gmdrm	hypo	CG	-0.072
Gm08	18758151	18758345	Gmdrm	hypo	CG	-0.0625
Gm08	18764533	18764573	Gmdrm	hypo	CG	-0.695
Gm08	18766450	18766816	Gmdrm	hypo	CG	-0.5016
Gm08	18782945	18783110	Gmdrm	hypo	CG	-0.04
Gm08	18783225	18783557	Gmdrm	hypo	CG	-0.599
Gm08	18823972	18824074	Gmdrm	hypo	CG	-0.682
Gm08	18856515	18856627	Gmdrm	hypo	CG	-0.84
Gm08	18863467	18863523	Gmdrm	hypo	CG	-0.215
Gm08	18864295	18864484	Gmdrm	hypo	CG	-0.605
Gm08	18870681	18870890	Gmdrm	hypo	CG	-0.9222
Gm08	18878975	18879174	Gmdrm	hypo	CG	-0.6213
Gm08	18899536	18899747	Gmdrm	hypo	CG	-0.382
Gm08	18900023	18900439	Gmdrm	hypo	CG	-0.2236
Gm08	18905913	18906514	Gmdrm	hypo	CG	-0.1061
Gm08	18910895	18910975	Gmdrm	hypo	CG	-0.0483
Gm08	18917743	18917987	Gmdrm	hypo	CG	-0.1224
Gm08	18922324	18922607	Gmdrm	hypo	CG	-0.0453
Gm08	18926473	18926558	Gmdrm	hypo	CG	-0.054
Gm08	18934649	18935274	Gmdrm	hypo	CG	-0.0491
Gm08	18945626	18945722	Gmdrm	hypo	CG	-0.77
Gm08	18951553	18951654	Gmdrm	hypo	CG	-0.8925
Gm08	18962971	18963140	Gmdrm	hypo	CG	-0.5363
Gm08	18967006	18967320	Gmdrm	hypo	CG	-0.7913
Gm08	18978379	18978426	Gmdrm	hypo	CG	-0.9725
Gm08	18983131	18983182	Gmdrm	hypo	CG	-0.382
Gm08	18996465	18996562	Gmdrm	hypo	CG	-0.717
Gm08	18996797	18996888	Gmdrm	hypo	CG	-0.734
Gm08	18997029	18997107	Gmdrm	hypo	CG	-0.6738
Gm08	19016325	19017074	Gmdrm	hypo	CG	-0.25
Gm08	19028712	19028864	Gmdrm	hypo	CG	-0.1187
Gm08	19033927	19034194	Gmdrm	hypo	CG	-0.0657
Gm08	19052568	19052764	Gmdrm	hypo	CG	-0.9042
Gm08	19053835	19053932	Gmdrm	hypo	CG	-0.9088
Gm08	19062346	19062449	Gmdrm	hypo	CG	-0.0414
Gm08	19077587	19077896	Gmdrm	hypo	CG	-0.7105
Gm08	19078041	19078074	Gmdrm	hypo	CG	-0.8183
Gm08	19081545	19081578	Gmdrm	hypo	CG	-0.71
Gm08	19082299	19082386	Gmdrm	hypo	CG	-0.6567
Gm08	19114890	19115378	Gmdrm	hypo	CG	-0.3552
Gm08	19126328	19126370	Gmdrm	hypo	CG	-0.123
Gm08	19141904	19142177	Gmdrm	hypo	CG	-0.645
Gm08	19142447	19142897	Gmdrm	hypo	CG	-0.128
Gm08	19143365	19143475	Gmdrm	hypo	CG	-0.9038

Gm08	19146053	19146200	Gmdrm	hypo	CG	-0.398
Gm08	19172644	19172813	Gmdrm	hypo	CG	-0.8888
Gm08	19180266	19180440	Gmdrm	hypo	CG	-0.1958
Gm08	19180769	19181063	Gmdrm	hypo	CG	-0.4619
Gm08	19184065	19184284	Gmdrm	hypo	CG	-0.6409
Gm08	19186692	19186832	Gmdrm	hypo	CG	-0.8543
Gm08	19187047	19187088	Gmdrm	hypo	CG	-0.955
Gm08	19194961	19195131	Gmdrm	hypo	CG	-0.5049
Gm08	19201378	19201449	Gmdrm	hypo	CG	-0.577
Gm08	19202379	19202488	Gmdrm	hypo	CG	-0.4988
Gm08	19203031	19203129	Gmdrm	hypo	CG	-0.8506
Gm08	19204869	19204959	Gmdrm	hypo	CG	-0.685
Gm08	19209463	19210026	Gmdrm	hypo	CG	-0.6639
Gm08	19226575	19226847	Gmdrm	hypo	CG	-0.1511
Gm08	19232208	19233204	Gmdrm	hypo	CG	-0.4193
Gm08	19233225	19233320	Gmdrm	hypo	CG	-0.6991
Gm08	19266898	19266933	Gmdrm	hypo	CG	-0.11
Gm08	19269230	19269545	Gmdrm	hypo	CG	-0.1138
Gm08	19270313	19270470	Gmdrm	hypo	CG	-0.5266
Gm08	19273199	19273317	Gmdrm	hypo	CG	-0.0675
Gm08	19376620	19376790	Gmdrm	hypo	CG	-0.7371
Gm08	19381222	19381413	Gmdrm	hypo	CG	-0.1974
Gm08	19393365	19394044	Gmdrm	hypo	CG	-0.3346
Gm08	19431156	19431574	Gmdrm	hypo	CG	-0.1842
Gm08	19445423	19445664	Gmdrm	hypo	CG	-0.0605
Gm08	19447526	19447823	Gmdrm	hypo	CG	-0.0344
Gm08	19611530	19611623	Gmdrm	hypo	CG	-0.5967
Gm08	19646894	19647140	Gmdrm	hypo	CG	-0.3061
Gm08	19647535	19647756	Gmdrm	hypo	CG	-0.7015
Gm08	19647972	19648176	Gmdrm	hypo	CG	-0.1013
Gm08	19671378	19671482	Gmdrm	hypo	CG	-0.5084
Gm08	19674953	19675156	Gmdrm	hypo	CG	-0.9524
Gm08	19677225	19677342	Gmdrm	hypo	CG	-0.9025
Gm08	19812363	19812421	Gmdrm	hypo	CG	-0.4725
Gm08	19812757	19812950	Gmdrm	hypo	CG	-0.861
Gm08	19931165	19931272	Gmdrm	hypo	CG	-0.8967
Gm08	19939781	19939811	Gmdrm	hypo	CG	-0.5283
Gm08	19939934	19940018	Gmdrm	hypo	CG	-0.6675
Gm08	19944156	19944291	Gmdrm	hypo	CG	-0.058
Gm08	19960196	19960330	Gmdrm	hypo	CG	-0.0338
Gm08	19978315	19978398	Gmdrm	hypo	CG	-0.2462
Gm08	20043858	20043876	Gmdrm	hypo	CG	-0.8316
Gm08	20067684	20067815	Gmdrm	hypo	CG	-0.388
Gm08	20069640	20069942	Gmdrm	hypo	CG	-0.3433
Gm08	20071359	20071504	Gmdrm	hypo	CG	-0.2484
Gm08	20107723	20108324	Gmdrm	hypo	CG	-0.1178

Gm08	20146424	20146559	Gmdrm	hypo	CG	-0.1292
Gm08	20147450	20147634	Gmdrm	hypo	CG	-0.2288
Gm08	20163322	20163501	Gmdrm	hypo	CG	-0.3257
Gm08	20177177	20177491	Gmdrm	hypo	CG	-0.897
Gm08	20212592	20212760	Gmdrm	hypo	CG	-0.1475
Gm08	20213071	20213145	Gmdrm	hypo	CG	-0.21
Gm08	20213300	20213367	Gmdrm	hypo	CG	-0.6888
Gm08	20214224	20214285	Gmdrm	hypo	CG	-0.58
Gm08	20214441	20214543	Gmdrm	hypo	CG	-0.575
Gm08	20224629	20225229	Gmdrm	hypo	CG	-0.2393
Gm08	20230936	20230988	Gmdrm	hypo	CG	-0.4267
Gm08	20341853	20341902	Gmdrm	hypo	CG	-0.7775
Gm08	20344969	20345015	Gmdrm	hypo	CG	-0.585
Gm08	20352216	20352245	Gmdrm	hypo	CG	-0.7867
Gm08	20357105	20357138	Gmdrm	hypo	CG	-0.655
Gm08	20425407	20425938	Gmdrm	hypo	CG	-0.8367
Gm08	20432807	20432867	Gmdrm	hypo	CG	-0.6843
Gm08	20467705	20467810	Gmdrm	hypo	CG	-0.4016
Gm08	20497081	20497144	Gmdrm	hypo	CG	-0.9884
Gm08	20513780	20513961	Gmdrm	hypo	CG	-0.42
Gm08	20515013	20515155	Gmdrm	hypo	CG	-0.0286
Gm08	20516233	20516473	Gmdrm	hypo	CG	-0.085
Gm08	20523066	20523304	Gmdrm	hypo	CG	-0.0643
Gm08	20531837	20531961	Gmdrm	hypo	CG	-0.903
Gm08	20532793	20533267	Gmdrm	hypo	CG	-0.7912
Gm08	20534035	20534413	Gmdrm	hypo	CG	-0.6831
Gm08	20550251	20550316	Gmdrm	hypo	CG	-0.3762
Gm08	20561101	20561141	Gmdrm	hypo	CG	-0.9033
Gm08	20605623	20605794	Gmdrm	hypo	CG	-0.588
Gm08	20638532	20638634	Gmdrm	hypo	CG	-0.1767
Gm08	20639403	20639418	Gmdrm	hypo	CG	-0.105
Gm08	20647478	20647586	Gmdrm	hypo	CG	-0.745
Gm08	20692675	20692742	Gmdrm	hypo	CG	-0.8034
Gm08	20713041	20713334	Gmdrm	hypo	CG	-0.9592
Gm08	20723139	20723368	Gmdrm	hypo	CG	-0.2893
Gm08	20726766	20726840	Gmdrm	hypo	CG	-0.4211
Gm08	20733931	20734065	Gmdrm	hypo	CG	-0.1275
Gm08	20734427	20734530	Gmdrm	hypo	CG	-0.0741
Gm08	20749291	20749328	Gmdrm	hypo	CG	-0.535
Gm08	20749584	20749916	Gmdrm	hypo	CG	-0.4917
Gm08	20768772	20768955	Gmdrm	hypo	CG	-0.096
Gm08	20776985	20777124	Gmdrm	hypo	CG	-0.054
Gm08	20786004	20786152	Gmdrm	hypo	CG	-0.4249
Gm08	20786257	20786362	Gmdrm	hypo	CG	-0.3937
Gm08	20789272	20789430	Gmdrm	hypo	CG	-0.9725
Gm08	20829083	20829117	Gmdrm	hypo	CG	-0.22

Gm08	20836019	20836059	Gmdrm	hypo	CG	-0.825
Gm08	20843473	20843693	Gmdrm	hypo	CG	-0.911
Gm08	20881208	20881388	Gmdrm	hypo	CG	-0.9325
Gm08	20896357	20896394	Gmdrm	hypo	CG	-0.878
Gm08	20903440	20903633	Gmdrm	hypo	CG	-0.5583
Gm08	20904137	20904424	Gmdrm	hypo	CG	-0.3366
Gm08	20918521	20919220	Gmdrm	hypo	CG	-0.0263
Gm08	20921785	20921894	Gmdrm	hypo	CG	-0.621
Gm08	20970060	20970159	Gmdrm	hypo	CG	-0.3017
Gm08	21026750	21027121	Gmdrm	hypo	CG	-0.0626
Gm08	21106305	21106443	Gmdrm	hypo	CG	-0.1961
Gm08	21106827	21107074	Gmdrm	hypo	CG	-0.9565
Gm08	21117937	21118095	Gmdrm	hypo	CG	-0.1741
Gm08	21133219	21133298	Gmdrm	hypo	CG	-0.863
Gm08	21150685	21150839	Gmdrm	hypo	CG	-0.03
Gm08	21183349	21183422	Gmdrm	hypo	CG	-0.4212
Gm08	21190120	21190244	Gmdrm	hypo	CG	-0.3614
Gm08	21230291	21230708	Gmdrm	hypo	CG	-0.6827
Gm08	21247304	21247409	Gmdrm	hypo	CG	-0.5129
Gm08	21247879	21248063	Gmdrm	hypo	CG	-0.1287
Gm08	21258217	21258406	Gmdrm	hypo	CG	-0.57
Gm08	21263364	21263474	Gmdrm	hypo	CG	-0.5925
Gm08	21285711	21285914	Gmdrm	hypo	CG	-0.1965
Gm08	21317285	21317411	Gmdrm	hypo	CG	-0.435
Gm08	21322939	21323083	Gmdrm	hypo	CG	-0.21
Gm08	21324032	21324228	Gmdrm	hypo	CG	-0.1509
Gm08	21354021	21354315	Gmdrm	hypo	CG	-0.0924
Gm08	21369428	21369519	Gmdrm	hypo	CG	-0.6776
Gm08	21369765	21369965	Gmdrm	hypo	CG	-0.43
Gm08	21388307	21388493	Gmdrm	hypo	CG	-0.8086
Gm08	21389848	21390128	Gmdrm	hypo	CG	-0.8863
Gm08	21399004	21399105	Gmdrm	hypo	CG	-0.535
Gm08	21428761	21428899	Gmdrm	hypo	CG	-0.939
Gm08	21433663	21433838	Gmdrm	hypo	CG	-0.7826
Gm08	21434591	21434901	Gmdrm	hypo	CG	-0.0909
Gm08	21487239	21487503	Gmdrm	hypo	CG	-0.1346
Gm08	21487950	21488063	Gmdrm	hypo	CG	-0.3367
Gm08	21512153	21512288	Gmdrm	hypo	CG	-0.1538
Gm08	21512608	21512968	Gmdrm	hypo	CG	-0.4709
Gm08	21527424	21527622	Gmdrm	hypo	CG	-0.6736
Gm08	21528049	21528197	Gmdrm	hypo	CG	-0.953
Gm08	21545341	21545453	Gmdrm	hypo	CG	-0.044
Gm08	21569688	21569768	Gmdrm	hypo	CG	-0.8362
Gm08	21570221	21570275	Gmdrm	hypo	CG	-0.03
Gm08	21571558	21571618	Gmdrm	hypo	CG	-0.1767
Gm08	21580530	21580737	Gmdrm	hypo	CG	-0.531

Gm08	21587458	21587646	Gmdrm	hypo	CG	-0.7375
Gm08	21592926	21593603	Gmdrm	hypo	CG	-0.0252
Gm08	21612784	21612868	Gmdrm	hypo	CG	-0.038
Gm08	21621646	21621817	Gmdrm	hypo	CG	-0.5214
Gm08	21625485	21625543	Gmdrm	hypo	CG	-0.5683
Gm08	21627008	21627154	Gmdrm	hypo	CG	-0.6907
Gm08	21635122	21635494	Gmdrm	hypo	CG	-0.1054
Gm08	21652759	21652791	Gmdrm	hypo	CG	-0.5817
Gm08	21662054	21662502	Gmdrm	hypo	CG	-0.207
Gm08	21676452	21676550	Gmdrm	hypo	CG	-0.774
Gm08	21710240	21710378	Gmdrm	hypo	CG	-0.437
Gm08	21715985	21716200	Gmdrm	hypo	CG	-0.6635
Gm08	21717226	21717296	Gmdrm	hypo	CG	-0.075
Gm08	21722768	21722831	Gmdrm	hypo	CG	-0.1384
Gm08	21731604	21731703	Gmdrm	hypo	CG	-0.4549
Gm08	21739469	21739905	Gmdrm	hypo	CG	-0.6468
Gm08	21741089	21741459	Gmdrm	hypo	CG	-0.611
Gm08	21750112	21750177	Gmdrm	hypo	CG	-0.5257
Gm08	21764115	21764191	Gmdrm	hypo	CG	-0.058
Gm08	21766439	21766643	Gmdrm	hypo	CG	-0.1884
Gm08	21777982	21778327	Gmdrm	hypo	CG	-0.077
Gm08	21809356	21810035	Gmdrm	hypo	CG	-0.0358
Gm08	21810720	21810952	Gmdrm	hypo	CG	-0.09
Gm08	21813658	21813859	Gmdrm	hypo	CG	-0.0834
Gm08	21832833	21833507	Gmdrm	hypo	CG	-0.1072
Gm08	21842354	21842905	Gmdrm	hypo	CG	-0.78
Gm08	21846327	21846693	Gmdrm	hypo	CG	-0.3231
Gm08	21852682	21852725	Gmdrm	hypo	CG	-0.86
Gm08	21882475	21882810	Gmdrm	hypo	CG	-0.3692
Gm08	21904347	21904530	Gmdrm	hypo	CG	-0.575
Gm08	21914741	21914887	Gmdrm	hypo	CG	-0.952
Gm08	21918318	21918391	Gmdrm	hypo	CG	-0.7667
Gm08	21929835	21929851	Gmdrm	hypo	CG	-0.785
Gm08	21934621	21934868	Gmdrm	hypo	CG	-0.6523
Gm08	21937304	21937440	Gmdrm	hypo	CG	-0.4267
Gm08	21966740	21967066	Gmdrm	hypo	CG	-0.2458
Gm08	21976777	21977101	Gmdrm	hypo	CG	-0.5177
Gm08	21998624	21998801	Gmdrm	hypo	CG	-0.942
Gm08	21998964	21998990	Gmdrm	hypo	CG	-0.9767
Gm08	22038921	22038971	Gmdrm	hypo	CG	-0.135
Gm08	22056323	22056467	Gmdrm	hypo	CG	-0.053
Gm08	22145358	22145505	Gmdrm	hypo	CG	-0.05
Gm08	22158781	22158887	Gmdrm	hypo	CG	-0.0328
Gm08	22216254	22216314	Gmdrm	hypo	CG	-0.4834
Gm08	22216492	22216552	Gmdrm	hypo	CG	-0.325
Gm08	22217062	22217349	Gmdrm	hypo	CG	-0.5134

Gm08	22218563	22218628	Gmdrm	hypo	CG	-0.9633
Gm08	22218773	22218972	Gmdrm	hypo	CG	-0.91
Gm08	22223882	22224025	Gmdrm	hypo	CG	-0.4133
Gm08	22292593	22292680	Gmdrm	hypo	CG	-0.78
Gm08	22293278	22293628	Gmdrm	hypo	CG	-0.1983
Gm08	22305293	22305565	Gmdrm	hypo	CG	-0.851
Gm08	22305790	22305901	Gmdrm	hypo	CG	-0.9583
Gm08	22309705	22309844	Gmdrm	hypo	CG	-0.7537
Gm08	22331925	22332049	Gmdrm	hypo	CG	-0.4586
Gm08	22332199	22332484	Gmdrm	hypo	CG	-0.1314
Gm08	22332890	22333003	Gmdrm	hypo	CG	-0.31
Gm08	22333132	22333254	Gmdrm	hypo	CG	-0.2572
Gm08	22333861	22334134	Gmdrm	hypo	CG	-0.2796
Gm08	22386096	22386198	Gmdrm	hypo	CG	-0.5316
Gm08	22461977	22462356	Gmdrm	hypo	CG	-0.0587
Gm08	22484301	22484399	Gmdrm	hypo	CG	-0.8712
Gm08	22494686	22494936	Gmdrm	hypo	CG	-0.9658
Gm08	22496169	22496383	Gmdrm	hypo	CG	-0.785
Gm08	22502766	22502872	Gmdrm	hypo	CG	-0.4916
Gm08	22538515	22538642	Gmdrm	hypo	CG	-0.9467
Gm08	22599043	22599108	Gmdrm	hypo	CG	-0.5925
Gm08	22605069	22605140	Gmdrm	hypo	CG	-0.7416
Gm08	22608362	22608485	Gmdrm	hypo	CG	-0.2875
Gm08	22708912	22708982	Gmdrm	hypo	CG	-0.6583
Gm08	22743847	22743875	Gmdrm	hypo	CG	-0.98
Gm08	22794317	22794902	Gmdrm	hypo	CG	-0.027
Gm08	22816494	22816603	Gmdrm	hypo	CG	-0.0478
Gm08	22829703	22830075	Gmdrm	hypo	CG	-0.6959
Gm08	22840449	22840805	Gmdrm	hypo	CG	-0.035
Gm08	22845217	22845367	Gmdrm	hypo	CG	-0.115
Gm08	22846821	22846848	Gmdrm	hypo	CG	-0.7016
Gm08	22848390	22848447	Gmdrm	hypo	CG	-0.6734
Gm08	22852977	22853540	Gmdrm	hypo	CG	-0.1407
Gm08	22955827	22956164	Gmdrm	hypo	CG	-0.702
Gm08	22956595	22956643	Gmdrm	hypo	CG	-0.62
Gm08	23049185	23049276	Gmdrm	hypo	CG	-0.09
Gm08	23071463	23071785	Gmdrm	hypo	CG	-0.1921
Gm08	23095585	23095903	Gmdrm	hypo	CG	-0.8336
Gm08	23096224	23096303	Gmdrm	hypo	CG	-0.046
Gm08	23120454	23120792	Gmdrm	hypo	CG	-0.0436
Gm08	23179130	23179152	Gmdrm	hypo	CG	-0.7017
Gm08	23179303	23179414	Gmdrm	hypo	CG	-0.03
Gm08	23188399	23188914	Gmdrm	hypo	CG	-0.7605
Gm08	23207917	23207975	Gmdrm	hypo	CG	-0.06
Gm08	23210157	23210663	Gmdrm	hypo	CG	-0.04
Gm08	23236759	23236884	Gmdrm	hypo	CG	-0.267

Gm08	23237415	23237470	Gmdrm	hypo	CG	-0.4337
Gm08	23237572	23237860	Gmdrm	hypo	CG	-0.4725
Gm08	23265512	23265640	Gmdrm	hypo	CG	-0.2984
Gm08	23302801	23302880	Gmdrm	hypo	CG	-0.034
Gm08	23306659	23306933	Gmdrm	hypo	CG	-0.2539
Gm08	23326565	23326589	Gmdrm	hypo	CG	-0.7884
Gm08	23327078	23327189	Gmdrm	hypo	CG	-0.425
Gm08	23355500	23355588	Gmdrm	hypo	CG	-0.9133
Gm08	23368772	23368954	Gmdrm	hypo	CG	-0.23
Gm08	23371759	23371792	Gmdrm	hypo	CG	-0.08
Gm08	23376855	23376934	Gmdrm	hypo	CG	-0.84
Gm08	23377222	23377319	Gmdrm	hypo	CG	-0.7043
Gm08	23378320	23378394	Gmdrm	hypo	CG	-0.9617
Gm08	23462739	23462947	Gmdrm	hypo	CG	-0.0469
Gm08	23474160	23474297	Gmdrm	hypo	CG	-0.5242
Gm08	23475070	23475270	Gmdrm	hypo	CG	-0.1239
Gm08	23514209	23514332	Gmdrm	hypo	CG	-0.63
Gm08	23514599	23514678	Gmdrm	hypo	CG	-0.07
Gm08	23529018	23529295	Gmdrm	hypo	CG	-0.4006
Gm08	23531481	23531582	Gmdrm	hypo	CG	-0.9333
Gm08	23542623	23542677	Gmdrm	hypo	CG	-0.905
Gm08	23621487	23621565	Gmdrm	hypo	CG	-0.5084
Gm08	23646352	23646767	Gmdrm	hypo	CG	-0.34
Gm08	23696674	23696815	Gmdrm	hypo	CG	-0.7088
Gm08	23710930	23711066	Gmdrm	hypo	CG	-0.1065
Gm08	23764963	23765087	Gmdrm	hypo	CG	-0.0917
Gm08	23840808	23840884	Gmdrm	hypo	CG	-0.6259
Gm08	23843343	23843499	Gmdrm	hypo	CG	-0.065
Gm08	23844208	23844286	Gmdrm	hypo	CG	-0.4688
Gm08	23861871	23862599	Gmdrm	hypo	CG	-0.0278
Gm08	24071870	24072044	Gmdrm	hypo	CG	-0.0783
Gm08	24184006	24185000	Gmdrm	hypo	CG	-0.0348
Gm08	24292695	24292894	Gmdrm	hypo	CG	-0.059
Gm08	24301429	24301603	Gmdrm	hypo	CG	-0.552
Gm08	24305074	24305181	Gmdrm	hypo	CG	-0.73
Gm08	24326490	24326586	Gmdrm	hypo	CG	-0.075
Gm08	24445595	24445860	Gmdrm	hypo	CG	-0.0684
Gm08	24613289	24613437	Gmdrm	hypo	CG	-0.1044
Gm08	24688191	24688371	Gmdrm	hypo	CG	-0.1016
Gm08	24696920	24697023	Gmdrm	hypo	CG	-0.595
Gm08	24958065	24958291	Gmdrm	hypo	CG	-0.08
Gm08	24968739	24968815	Gmdrm	hypo	CG	-0.1257
Gm08	24987376	24988140	Gmdrm	hypo	CG	-0.0428
Gm08	25083505	25083732	Gmdrm	hypo	CG	-0.06
Gm08	25099205	25099392	Gmdrm	hypo	CG	-0.0333
Gm08	25146286	25146428	Gmdrm	hypo	CG	-0.116

Gm08	25187997	25188299	Gmdrm	hypo	CG	-0.125
Gm08	25188804	25188893	Gmdrm	hypo	CG	-0.2458
Gm08	25204755	25205381	Gmdrm	hypo	CG	-0.0425
Gm08	25216376	25216727	Gmdrm	hypo	CG	-0.0416
Gm08	25247118	25247422	Gmdrm	hypo	CG	-0.039
Gm08	25355325	25355503	Gmdrm	hypo	CG	-0.107
Gm08	25358614	25358870	Gmdrm	hypo	CG	-0.0639
Gm08	25385051	25385181	Gmdrm	hypo	CG	-0.0562
Gm08	25471105	25471384	Gmdrm	hypo	CG	-0.0923
Gm08	25480670	25481058	Gmdrm	hypo	CG	-0.0607
Gm08	25550365	25550720	Gmdrm	hypo	CG	-0.0422
Gm08	25610675	25611060	Gmdrm	hypo	CG	-0.0311
Gm08	25680020	25680093	Gmdrm	hypo	CG	-0.09
Gm08	25728178	25729177	Gmdrm	hypo	CG	-0.0248
Gm08	25793332	25793482	Gmdrm	hypo	CG	-0.1017
Gm08	25832665	25832874	Gmdrm	hypo	CG	-0.0578
Gm08	25844105	25844238	Gmdrm	hypo	CG	-0.0912
Gm08	25902616	25903563	Gmdrm	hypo	CG	-0.034
Gm08	26010318	26011311	Gmdrm	hypo	CG	-0.0663
Gm08	26031335	26031912	Gmdrm	hypo	CG	-0.061
Gm08	26106260	26106645	Gmdrm	hypo	CG	-0.037
Gm08	26127583	26127721	Gmdrm	hypo	CG	-0.16
Gm08	26129730	26130033	Gmdrm	hypo	CG	-0.0578
Gm08	26220747	26220854	Gmdrm	hypo	CG	-0.0787
Gm08	26300656	26300780	Gmdrm	hypo	CG	-0.0651
Gm08	26369725	26370009	Gmdrm	hypo	CG	-0.04
Gm08	26395948	26396945	Gmdrm	hypo	CG	-0.0286
Gm08	26450452	26450760	Gmdrm	hypo	CG	-0.0645
Gm08	26476925	26477916	Gmdrm	hypo	CG	-0.0412
Gm08	26568652	26568829	Gmdrm	hypo	CG	-0.0394
Gm08	26645488	26645848	Gmdrm	hypo	CG	-0.0758
Gm08	26727708	26728044	Gmdrm	hypo	CG	-0.0621
Gm08	26734471	26734742	Gmdrm	hypo	CG	-0.0442
Gm08	26811136	26811505	Gmdrm	hypo	CG	-0.048
Gm08	26854887	26855324	Gmdrm	hypo	CG	-0.0506
Gm08	26870113	26870256	Gmdrm	hypo	CG	-0.084
Gm08	26926331	26926579	Gmdrm	hypo	CG	-0.0488
Gm08	26974515	26974740	Gmdrm	hypo	CG	-0.0995
Gm08	26975032	26976027	Gmdrm	hypo	CG	-0.0407
Gm08	26981976	26982108	Gmdrm	hypo	CG	-0.114
Gm08	27024299	27024384	Gmdrm	hypo	CG	-0.0534
Gm08	27049529	27049675	Gmdrm	hypo	CG	-0.13
Gm08	27154404	27154440	Gmdrm	hypo	CG	-0.286
Gm08	27160360	27160913	Gmdrm	hypo	CG	-0.0464
Gm08	27196987	27197101	Gmdrm	hypo	CG	-0.0667
Gm08	27292894	27293780	Gmdrm	hypo	CG	-0.0237

Gm08	27309929	27310314	Gmdrm	hypo	CG	-0.4785
Gm08	27401711	27402048	Gmdrm	hypo	CG	-0.0715
Gm08	27442176	27442845	Gmdrm	hypo	CG	-0.0481
Gm08	27454242	27455064	Gmdrm	hypo	CG	-0.0341
Gm08	27468052	27468951	Gmdrm	hypo	CG	-0.0406
Gm08	27492051	27492302	Gmdrm	hypo	CG	-0.0864
Gm08	27590662	27591268	Gmdrm	hypo	CG	-0.0507
Gm08	27658044	27658511	Gmdrm	hypo	CG	-0.0759
Gm08	27757257	27757674	Gmdrm	hypo	CG	-0.0653
Gm08	27758883	27759456	Gmdrm	hypo	CG	-0.0425
Gm08	27782866	27783563	Gmdrm	hypo	CG	-0.0332
Gm08	27895639	27895821	Gmdrm	hypo	CG	-0.0988
Gm08	27905218	27905308	Gmdrm	hypo	CG	-0.788
Gm08	28198738	28198828	Gmdrm	hypo	CG	-0.9425
Gm08	28270643	28270961	Gmdrm	hypo	CG	-0.0503
Gm08	28355632	28355997	Gmdrm	hypo	CG	-0.0629
Gm08	28362608	28362732	Gmdrm	hypo	CG	-0.0875
Gm08	28372628	28372709	Gmdrm	hypo	CG	-0.1467
Gm08	28406144	28406265	Gmdrm	hypo	CG	-0.619
Gm08	28437898	28438022	Gmdrm	hypo	CG	-0.148
Gm08	28652571	28652719	Gmdrm	hypo	CG	-0.2778
Gm08	28653632	28653781	Gmdrm	hypo	CG	-0.624
Gm08	28736913	28737089	Gmdrm	hypo	CG	-0.1106
Gm08	28752198	28752848	Gmdrm	hypo	CG	-0.0455
Gm08	28838057	28838537	Gmdrm	hypo	CG	-0.0324
Gm08	28863471	28863500	Gmdrm	hypo	CG	-0.092
Gm08	28867401	28867564	Gmdrm	hypo	CG	-0.6442
Gm08	28891065	28891158	Gmdrm	hypo	CG	-0.225
Gm08	28902929	28903186	Gmdrm	hypo	CG	-0.0782
Gm08	29031811	29032035	Gmdrm	hypo	CG	-0.8466
Gm08	29042386	29042526	Gmdrm	hypo	CG	-0.075
Gm08	29121085	29121936	Gmdrm	hypo	CG	-0.0348
Gm08	29122048	29122288	Gmdrm	hypo	CG	-0.055
Gm08	29186339	29186584	Gmdrm	hypo	CG	-0.0834
Gm08	29249556	29249723	Gmdrm	hypo	CG	-0.0533
Gm08	29284529	29284624	Gmdrm	hypo	CG	-0.0467
Gm08	29450569	29450970	Gmdrm	hypo	CG	-0.0839
Gm08	29561686	29562404	Gmdrm	hypo	CG	-0.0262
Gm08	29630644	29631408	Gmdrm	hypo	CG	-0.0478
Gm08	29650074	29650503	Gmdrm	hypo	CG	-0.0334
Gm08	29710189	29710323	Gmdrm	hypo	CG	-0.035
Gm08	29744491	29744673	Gmdrm	hypo	CG	-0.1083
Gm08	29804985	29805524	Gmdrm	hypo	CG	-0.0551
Gm08	29810430	29810475	Gmdrm	hypo	CG	-0.0542
Gm08	29835430	29835533	Gmdrm	hypo	CG	-0.0973
Gm08	29851680	29852116	Gmdrm	hypo	CG	-0.0529

Gm08	29878595	29878942	Gmdrm	hypo	CG	-0.7035
Gm08	29937773	29937863	Gmdrm	hypo	CG	-0.049
Gm08	29966825	29966973	Gmdrm	hypo	CG	-0.1275
Gm08	30048138	30048261	Gmdrm	hypo	CG	-0.0751
Gm08	30100292	30100609	Gmdrm	hypo	CG	-0.0211
Gm08	30118923	30119063	Gmdrm	hypo	CG	-0.0986
Gm08	30328175	30328458	Gmdrm	hypo	CG	-0.0477
Gm08	30359813	30359943	Gmdrm	hypo	CG	-0.1
Gm08	30376991	30377187	Gmdrm	hypo	CG	-0.0537
Gm08	30391399	30392399	Gmdrm	hypo	CG	-0.0344
Gm08	30398698	30398850	Gmdrm	hypo	CG	-0.0278
Gm08	30447326	30447440	Gmdrm	hypo	CG	-0.1667
Gm08	30523774	30524180	Gmdrm	hypo	CG	-0.1405
Gm08	30561086	30561281	Gmdrm	hypo	CG	-0.0324
Gm08	30570986	30571868	Gmdrm	hypo	CG	-0.042
Gm08	30592269	30592331	Gmdrm	hypo	CG	-0.0878
Gm08	30613786	30614000	Gmdrm	hypo	CG	-0.534
Gm08	30617423	30618257	Gmdrm	hypo	CG	-0.042
Gm08	30618379	30618587	Gmdrm	hypo	CG	-0.0727
Gm08	30710262	30710361	Gmdrm	hypo	CG	-0.0929
Gm08	30719104	30719279	Gmdrm	hypo	CG	-0.2414
Gm08	30721235	30721596	Gmdrm	hypo	CG	-0.0666
Gm08	30764508	30764667	Gmdrm	hypo	CG	-0.088
Gm08	30776309	30777299	Gmdrm	hypo	CG	-0.049
Gm08	30811441	30811817	Gmdrm	hypo	CG	-0.0366
Gm08	30835088	30835401	Gmdrm	hypo	CG	-0.0455
Gm08	30926175	30926262	Gmdrm	hypo	CG	-0.0416
Gm08	30930178	30930505	Gmdrm	hypo	CG	-0.036
Gm08	30966752	30967046	Gmdrm	hypo	CG	-0.0382
Gm08	30984493	30984850	Gmdrm	hypo	CG	-0.0496
Gm08	31024567	31024897	Gmdrm	hypo	CG	-0.0707
Gm08	31298848	31298968	Gmdrm	hypo	CG	-0.0766
Gm08	31412463	31413294	Gmdrm	hypo	CG	-0.0419
Gm08	31413613	31413909	Gmdrm	hypo	CG	-0.1081
Gm08	31537086	31537204	Gmdrm	hypo	CG	-0.0978
Gm08	31560790	31561152	Gmdrm	hypo	CG	-0.0491
Gm08	31754504	31755083	Gmdrm	hypo	CG	-0.1105
Gm08	31844172	31844543	Gmdrm	hypo	CG	-0.0546
Gm08	31864003	31864095	Gmdrm	hypo	CG	-0.6343
Gm08	31897559	31898105	Gmdrm	hypo	CG	-0.0817
Gm08	31970422	31971168	Gmdrm	hypo	CG	-0.0529
Gm08	32002030	32002104	Gmdrm	hypo	CG	-0.128
Gm08	32177380	32178165	Gmdrm	hypo	CG	-0.0368
Gm08	32184190	32185179	Gmdrm	hypo	CG	-0.049
Gm08	32198827	32199128	Gmdrm	hypo	CG	-0.0781
Gm08	32218335	32219328	Gmdrm	hypo	CG	-0.0336

Gm08	32273164	32273369	Gmdrm	hypo	CG	-0.0393
Gm08	32455215	32455933	Gmdrm	hypo	CG	-0.0778
Gm08	32499636	32499661	Gmdrm	hypo	CG	-0.0667
Gm08	32527418	32527890	Gmdrm	hypo	CG	-0.0596
Gm08	32598319	32598387	Gmdrm	hypo	CG	-0.135
Gm08	32598965	32599234	Gmdrm	hypo	CG	-0.1114
Gm08	32602624	32603593	Gmdrm	hypo	CG	-0.0676
Gm08	32696829	32697052	Gmdrm	hypo	CG	-0.0284
Gm08	32744397	32744441	Gmdrm	hypo	CG	-0.04
Gm08	32766939	32767093	Gmdrm	hypo	CG	-0.6337
Gm08	32811974	32812024	Gmdrm	hypo	CG	-0.5334
Gm08	32828161	32828395	Gmdrm	hypo	CG	-0.0352
Gm08	32952647	32953073	Gmdrm	hypo	CG	-0.1154
Gm08	33006894	33007153	Gmdrm	hypo	CG	-0.0827
Gm08	33007961	33008172	Gmdrm	hypo	CG	-0.034
Gm08	33008562	33008589	Gmdrm	hypo	CG	-0.35
Gm08	33051026	33051307	Gmdrm	hypo	CG	-0.0612
Gm08	33129145	33129344	Gmdrm	hypo	CG	-0.0583
Gm08	33177972	33178068	Gmdrm	hypo	CG	-0.0963
Gm08	33225891	33225964	Gmdrm	hypo	CG	-0.0488
Gm08	33273558	33273646	Gmdrm	hypo	CG	-0.1512
Gm08	33329878	33330487	Gmdrm	hypo	CG	-0.0376
Gm08	33335575	33336171	Gmdrm	hypo	CG	-0.0188
Gm08	33371373	33371586	Gmdrm	hypo	CG	-0.1111
Gm08	33424423	33424775	Gmdrm	hypo	CG	-0.0657
Gm08	33529432	33529898	Gmdrm	hypo	CG	-0.0642
Gm08	33609219	33609370	Gmdrm	hypo	CG	-0.0686
Gm08	33674340	33674483	Gmdrm	hypo	CG	-0.0867
Gm08	33751911	33752033	Gmdrm	hypo	CG	-0.09
Gm08	33796033	33796645	Gmdrm	hypo	CG	-0.0439
Gm08	33801229	33801673	Gmdrm	hypo	CG	-0.0566
Gm08	33831335	33831386	Gmdrm	hypo	CG	-0.7212
Gm08	33853980	33854100	Gmdrm	hypo	CG	-0.0483
Gm08	33963063	33963796	Gmdrm	hypo	CG	-0.0411
Gm08	34022389	34022449	Gmdrm	hypo	CG	-0.454
Gm08	34068839	34068970	Gmdrm	hypo	CG	-0.615
Gm08	34070748	34070939	Gmdrm	hypo	CG	-0.19
Gm08	34085577	34086004	Gmdrm	hypo	CG	-0.0573
Gm08	34089291	34089363	Gmdrm	hypo	CG	-0.055
Gm08	34105484	34105522	Gmdrm	hypo	CG	-0.48
Gm08	34113617	34113913	Gmdrm	hypo	CG	-0.0554
Gm08	34125969	34126365	Gmdrm	hypo	CG	-0.3477
Gm08	34132009	34132226	Gmdrm	hypo	CG	-0.465
Gm08	34133646	34133756	Gmdrm	hypo	CG	-0.2833
Gm08	34143968	34144323	Gmdrm	hypo	CG	-0.9639
Gm08	34144428	34144622	Gmdrm	hypo	CG	-0.5925

Gm08	34144758	34144947	Gmdrm	hypo	CG	-0.4045
Gm08	34150870	34150997	Gmdrm	hypo	CG	-0.3408
Gm08	34170305	34170447	Gmdrm	hypo	CG	-0.508
Gm08	34179170	34179291	Gmdrm	hypo	CG	-0.0716
Gm08	34197547	34197558	Gmdrm	hypo	CG	-0.605
Gm08	34245721	34245795	Gmdrm	hypo	CG	-0.0813
Gm08	34308438	34308554	Gmdrm	hypo	CG	-0.055
Gm08	34345342	34345467	Gmdrm	hypo	CG	-0.6817
Gm08	34348920	34349113	Gmdrm	hypo	CG	-0.4563
Gm08	34414129	34414333	Gmdrm	hypo	CG	-0.083
Gm08	34500222	34500278	Gmdrm	hypo	CG	-0.25
Gm08	34502973	34503098	Gmdrm	hypo	CG	-0.8817
Gm08	34504715	34504955	Gmdrm	hypo	CG	-0.5527
Gm08	34537045	34537061	Gmdrm	hypo	CG	-0.0933
Gm08	34544843	34544919	Gmdrm	hypo	CG	-0.0817
Gm08	34554429	34554460	Gmdrm	hypo	CG	-0.8116
Gm08	34554593	34554748	Gmdrm	hypo	CG	-0.0443
Gm08	34555097	34555281	Gmdrm	hypo	CG	-0.555
Gm08	34556658	34556725	Gmdrm	hypo	CG	-0.1767
Gm08	34691576	34691601	Gmdrm	hypo	CG	-0.075
Gm08	34734771	34734894	Gmdrm	hypo	CG	-0.0743
Gm08	34739101	34739996	Gmdrm	hypo	CG	-0.0372
Gm08	34754651	34754923	Gmdrm	hypo	CG	-0.3828
Gm08	34779005	34779123	Gmdrm	hypo	CG	-0.124
Gm08	34828276	34828385	Gmdrm	hypo	CG	-0.9857
Gm08	34832105	34832379	Gmdrm	hypo	CG	-0.2238
Gm08	34842189	34842284	Gmdrm	hypo	CG	-0.938
Gm08	34843851	34843998	Gmdrm	hypo	CG	-0.739
Gm08	34850392	34850463	Gmdrm	hypo	CG	-0.9033
Gm08	34882594	34883089	Gmdrm	hypo	CG	-0.7555
Gm08	34914273	34914403	Gmdrm	hypo	CG	-0.03
Gm08	34924606	34924761	Gmdrm	hypo	CG	-0.805
Gm08	34975001	34975038	Gmdrm	hypo	CG	-0.456
Gm08	34976357	34977148	Gmdrm	hypo	CG	-0.3035
Gm08	34977249	34977479	Gmdrm	hypo	CG	-0.4308
Gm08	34994115	34994281	Gmdrm	hypo	CG	-0.1908
Gm08	35017250	35017491	Gmdrm	hypo	CG	-0.4993
Gm08	35018701	35018951	Gmdrm	hypo	CG	-0.2091
Gm08	35026718	35026891	Gmdrm	hypo	CG	-0.5343
Gm08	35028270	35028345	Gmdrm	hypo	CG	-0.1534
Gm08	35028493	35028675	Gmdrm	hypo	CG	-0.5571
Gm08	35048438	35048553	Gmdrm	hypo	CG	-0.3038
Gm08	35049218	35049279	Gmdrm	hypo	CG	-0.161
Gm08	35053084	35053100	Gmdrm	hypo	CG	-0.72
Gm08	35081091	35081408	Gmdrm	hypo	CG	-0.8112
Gm08	35081882	35081995	Gmdrm	hypo	CG	-0.04

Gm08	35094448	35094697	Gmdrm	hypo	CG	-0.2965
Gm08	35095507	35095629	Gmdrm	hypo	CG	-0.2371
Gm08	35100912	35101149	Gmdrm	hypo	CG	-0.325
Gm08	35134876	35135248	Gmdrm	hypo	CG	-0.0612
Gm08	35152246	35152275	Gmdrm	hypo	CG	-0.1591
Gm08	35159170	35159382	Gmdrm	hypo	CG	-0.1575
Gm08	35220049	35220410	Gmdrm	hypo	CG	-0.0271
Gm08	35227973	35228158	Gmdrm	hypo	CG	-0.726
Gm08	35251028	35251282	Gmdrm	hypo	CG	-0.0556
Gm08	35392194	35392254	Gmdrm	hypo	CG	-0.0975
Gm08	35409493	35409789	Gmdrm	hypo	CG	-0.4995
Gm08	35414722	35414853	Gmdrm	hypo	CG	-0.0367
Gm08	35415716	35415760	Gmdrm	hypo	CG	-0.67
Gm08	35437200	35437331	Gmdrm	hypo	CG	-0.0377
Gm08	35455221	35455438	Gmdrm	hypo	CG	-0.1661
Gm08	35459745	35460573	Gmdrm	hypo	CG	-0.0372
Gm08	35460710	35461300	Gmdrm	hypo	CG	-0.0246
Gm08	35483880	35483999	Gmdrm	hypo	CG	-0.036
Gm08	35560405	35560789	Gmdrm	hypo	CG	-0.0563
Gm08	35635080	35635169	Gmdrm	hypo	CG	-0.6133
Gm08	35637062	35637161	Gmdrm	hypo	CG	-0.9476
Gm08	35638957	35639050	Gmdrm	hypo	CG	-0.2566
Gm08	35655282	35655658	Gmdrm	hypo	CG	-0.0591
Gm08	35706789	35706891	Gmdrm	hypo	CG	-0.3934
Gm08	35799064	35799156	Gmdrm	hypo	CG	-0.066
Gm08	35807109	35807526	Gmdrm	hypo	CG	-0.0996
Gm08	35813007	35813226	Gmdrm	hypo	CG	-0.811
Gm08	35817511	35817891	Gmdrm	hypo	CG	-0.474
Gm08	35837772	35837810	Gmdrm	hypo	CG	-0.1758
Gm08	35839904	35839973	Gmdrm	hypo	CG	-0.4586
Gm08	35854546	35854739	Gmdrm	hypo	CG	-0.1475
Gm08	35854854	35855008	Gmdrm	hypo	CG	-0.6025
Gm08	35902945	35903290	Gmdrm	hypo	CG	-0.0939
Gm08	35974752	35974876	Gmdrm	hypo	CG	-0.0592
Gm08	36000449	36000698	Gmdrm	hypo	CG	-0.0737
Gm08	36030991	36031365	Gmdrm	hypo	CG	-0.4958
Gm08	36034127	36034296	Gmdrm	hypo	CG	-0.1092
Gm08	36065674	36065773	Gmdrm	hypo	CG	-0.9262
Gm08	36066635	36066689	Gmdrm	hypo	CG	-0.128
Gm08	36068241	36068486	Gmdrm	hypo	CG	-0.8913
Gm08	36099300	36099541	Gmdrm	hypo	CG	-0.0474
Gm08	36099706	36099742	Gmdrm	hypo	CG	-0.56
Gm08	36118360	36118614	Gmdrm	hypo	CG	-0.231
Gm08	36160665	36160909	Gmdrm	hypo	CG	-0.0358
Gm08	36191287	36191320	Gmdrm	hypo	CG	-0.635
Gm08	36199827	36200061	Gmdrm	hypo	CG	-0.3342

Gm08	36200487	36200614	Gmdrm	hypo	CG	-0.9171
Gm08	36204868	36204981	Gmdrm	hypo	CG	-0.05
Gm08	36290298	36290457	Gmdrm	hypo	CG	-0.7662
Gm08	36294144	36294266	Gmdrm	hypo	CG	-0.8117
Gm08	36336859	36337427	Gmdrm	hypo	CG	-0.0217
Gm08	36341175	36341520	Gmdrm	hypo	CG	-0.0416
Gm08	36341872	36342148	Gmdrm	hypo	CG	-0.0606
Gm08	36358303	36358352	Gmdrm	hypo	CG	-0.746
Gm08	36393401	36393544	Gmdrm	hypo	CG	-0.194
Gm08	36401693	36401941	Gmdrm	hypo	CG	-0.3642
Gm08	36457011	36457027	Gmdrm	hypo	CG	-0.7167
Gm08	36471260	36471324	Gmdrm	hypo	CG	-0.248
Gm08	36509889	36510019	Gmdrm	hypo	CG	-0.055
Gm08	36533576	36533724	Gmdrm	hypo	CG	-0.3425
Gm08	36537248	36537262	Gmdrm	hypo	CG	-0.185
Gm08	36632393	36632506	Gmdrm	hypo	CG	-0.1909
Gm08	36643915	36644071	Gmdrm	hypo	CG	-0.475
Gm08	36644905	36644991	Gmdrm	hypo	CG	-0.9613
Gm08	36645150	36645317	Gmdrm	hypo	CG	-0.7916
Gm08	36645506	36645672	Gmdrm	hypo	CG	-0.895
Gm08	36794025	36794394	Gmdrm	hypo	CG	-0.0429
Gm08	36845796	36845997	Gmdrm	hypo	CG	-0.0586
Gm08	36927483	36927638	Gmdrm	hypo	CG	-0.0871
Gm08	36969197	36969287	Gmdrm	hypo	CG	-0.065
Gm08	37053368	37053436	Gmdrm	hypo	CG	-0.774
Gm08	37093334	37093474	Gmdrm	hypo	CG	-0.5562
Gm08	37094759	37094841	Gmdrm	hypo	CG	-0.0617
Gm08	37109738	37109820	Gmdrm	hypo	CG	-0.075
Gm08	37145606	37146044	Gmdrm	hypo	CG	-0.1113
Gm08	37176053	37176346	Gmdrm	hypo	CG	-0.4529
Gm08	37241557	37241650	Gmdrm	hypo	CG	-0.638
Gm08	37243305	37243492	Gmdrm	hypo	CG	-0.5564
Gm08	37244015	37244144	Gmdrm	hypo	CG	-0.795
Gm08	37245490	37245647	Gmdrm	hypo	CG	-0.82
Gm08	37259901	37260001	Gmdrm	hypo	CG	-0.98
Gm08	37287417	37287480	Gmdrm	hypo	CG	-0.04
Gm08	37300231	37300312	Gmdrm	hypo	CG	-0.045
Gm08	37338747	37338807	Gmdrm	hypo	CG	-0.4317
Gm08	37340978	37341064	Gmdrm	hypo	CG	-0.075
Gm08	37342143	37342443	Gmdrm	hypo	CG	-0.2416
Gm08	37390565	37390675	Gmdrm	hypo	CG	-0.3934
Gm08	37397253	37397398	Gmdrm	hypo	CG	-0.7317
Gm08	37397580	37397912	Gmdrm	hypo	CG	-0.7779
Gm08	37451685	37451820	Gmdrm	hypo	CG	-0.0481
Gm08	37555486	37555688	Gmdrm	hypo	CG	-0.504
Gm08	37576843	37577123	Gmdrm	hypo	CG	-0.0809

Gm08	37661827	37662346	Gmdrm	hypo	CG	-0.0526
Gm08	37676216	37677212	Gmdrm	hypo	CG	-0.0305
Gm08	37758611	37758713	Gmdrm	hypo	CG	-0.1217
Gm08	37888560	37889456	Gmdrm	hypo	CG	-0.0374
Gm08	37926151	37926170	Gmdrm	hypo	CG	-0.2
Gm08	37927060	37927499	Gmdrm	hypo	CG	-0.038
Gm08	37967514	37967593	Gmdrm	hypo	CG	-0.9383
Gm08	37969571	37970105	Gmdrm	hypo	CG	-0.1404
Gm08	37970803	37970826	Gmdrm	hypo	CG	-0.9083
Gm08	37978526	37978609	Gmdrm	hypo	CG	-0.2467
Gm08	37979477	37979729	Gmdrm	hypo	CG	-0.1472
Gm08	37991779	37991880	Gmdrm	hypo	CG	-0.665
Gm08	37991983	37992054	Gmdrm	hypo	CG	-0.96
Gm08	37999597	37999688	Gmdrm	hypo	CG	-0.8667
Gm08	38033303	38033343	Gmdrm	hypo	CG	-0.4717
Gm08	38033917	38033993	Gmdrm	hypo	CG	-0.7367
Gm08	38060034	38060462	Gmdrm	hypo	CG	-0.0403
Gm08	38095724	38095844	Gmdrm	hypo	CG	-0.18
Gm08	38125169	38125302	Gmdrm	hypo	CG	-0.0958
Gm08	38127597	38127824	Gmdrm	hypo	CG	-0.8258
Gm08	38127947	38128029	Gmdrm	hypo	CG	-0.9713
Gm08	38129187	38129666	Gmdrm	hypo	CG	-0.4605
Gm08	38133115	38133424	Gmdrm	hypo	CG	-0.3375
Gm08	38141287	38141703	Gmdrm	hypo	CG	-0.5841
Gm08	38143620	38143713	Gmdrm	hypo	CG	-0.4537
Gm08	38149669	38149719	Gmdrm	hypo	CG	-0.786
Gm08	38158594	38158721	Gmdrm	hypo	CG	-0.376
Gm08	38192698	38193066	Gmdrm	hypo	CG	-0.035
Gm08	38201159	38201248	Gmdrm	hypo	CG	-0.385
Gm08	38228915	38229066	Gmdrm	hypo	CG	-0.2638
Gm08	38232498	38232768	Gmdrm	hypo	CG	-0.2625
Gm08	38233444	38233645	Gmdrm	hypo	CG	-0.5384
Gm08	38257175	38257306	Gmdrm	hypo	CG	-0.6072
Gm08	38257557	38257771	Gmdrm	hypo	CG	-0.4522
Gm08	38268110	38268222	Gmdrm	hypo	CG	-0.7836
Gm08	38272323	38272347	Gmdrm	hypo	CG	-0.9333
Gm08	38272851	38273020	Gmdrm	hypo	CG	-0.135
Gm08	38297959	38297994	Gmdrm	hypo	CG	-0.0617
Gm08	38322984	38323000	Gmdrm	hypo	CG	-0.722
Gm08	38325871	38326006	Gmdrm	hypo	CG	-0.4213
Gm08	38329277	38329539	Gmdrm	hypo	CG	-0.0411
Gm08	38339270	38339503	Gmdrm	hypo	CG	-0.755
Gm08	38344812	38345108	Gmdrm	hypo	CG	-0.1383
Gm08	38357353	38357415	Gmdrm	hypo	CG	-0.6166
Gm08	38367591	38367657	Gmdrm	hypo	CG	-0.5783
Gm08	38398156	38398282	Gmdrm	hypo	CG	-0.6799

Gm08	38398656	38398718	Gmdrm	hypo	CG	-0.7467
Gm08	38399345	38399514	Gmdrm	hypo	CG	-0.6075
Gm08	38400366	38400510	Gmdrm	hypo	CG	-0.1412
Gm08	38408342	38408469	Gmdrm	hypo	CG	-0.6754
Gm08	38445765	38445867	Gmdrm	hypo	CG	-0.6283
Gm08	38454213	38454290	Gmdrm	hypo	CG	-0.6575
Gm08	38463281	38463411	Gmdrm	hypo	CG	-0.8267
Gm08	38465706	38465755	Gmdrm	hypo	CG	-0.725
Gm08	38465963	38466057	Gmdrm	hypo	CG	-0.7416
Gm08	38535602	38535660	Gmdrm	hypo	CG	-0.685
Gm08	38536344	38536582	Gmdrm	hypo	CG	-0.5375
Gm08	38536898	38537066	Gmdrm	hypo	CG	-0.7629
Gm08	38579781	38579924	Gmdrm	hypo	CG	-0.837
Gm08	38587256	38587645	Gmdrm	hypo	CG	-0.0543
Gm08	38610867	38611011	Gmdrm	hypo	CG	-0.5887
Gm08	38621926	38622394	Gmdrm	hypo	CG	-0.0383
Gm08	38638655	38638678	Gmdrm	hypo	CG	-0.6734
Gm08	38655832	38655926	Gmdrm	hypo	CG	-0.146
Gm08	38657049	38657205	Gmdrm	hypo	CG	-0.5475
Gm08	38664948	38665100	Gmdrm	hypo	CG	-0.5133
Gm08	38669024	38669331	Gmdrm	hypo	CG	-0.5033
Gm08	38700875	38701139	Gmdrm	hypo	CG	-0.8509
Gm08	38701818	38701968	Gmdrm	hypo	CG	-0.035
Gm08	38712255	38712394	Gmdrm	hypo	CG	-0.1425
Gm08	38713405	38713623	Gmdrm	hypo	CG	-0.0883
Gm08	38716739	38716838	Gmdrm	hypo	CG	-0.048
Gm08	38717749	38717977	Gmdrm	hypo	CG	-0.4112
Gm08	38718086	38718310	Gmdrm	hypo	CG	-0.4342
Gm08	38726721	38726803	Gmdrm	hypo	CG	-0.9187
Gm08	38752854	38753023	Gmdrm	hypo	CG	-0.3586
Gm08	38754768	38755101	Gmdrm	hypo	CG	-0.6387
Gm08	38755213	38755808	Gmdrm	hypo	CG	-0.7191
Gm08	38769319	38769676	Gmdrm	hypo	CG	-0.3259
Gm08	38771490	38771735	Gmdrm	hypo	CG	-0.8162
Gm08	38772296	38772345	Gmdrm	hypo	CG	-0.5262
Gm08	38773250	38773317	Gmdrm	hypo	CG	-0.6957
Gm08	38773434	38773520	Gmdrm	hypo	CG	-0.4025
Gm08	38775747	38776080	Gmdrm	hypo	CG	-0.0436
Gm08	38779764	38779928	Gmdrm	hypo	CG	-0.5038
Gm08	38780164	38780345	Gmdrm	hypo	CG	-0.8013
Gm08	38780475	38780487	Gmdrm	hypo	CG	-0.6988
Gm08	38792821	38792977	Gmdrm	hypo	CG	-0.5208
Gm08	38793182	38793338	Gmdrm	hypo	CG	-0.12
Gm08	38798406	38798813	Gmdrm	hypo	CG	-0.22
Gm08	38799447	38799501	Gmdrm	hypo	CG	-0.16
Gm08	38800389	38800447	Gmdrm	hypo	CG	-0.272

Gm08	38850658	38850671	Gmdrm	hypo	CG	-0.0883
Gm08	38858438	38858593	Gmdrm	hypo	CG	-0.5118
Gm08	38858730	38859289	Gmdrm	hypo	CG	-0.213
Gm08	38867350	38868216	Gmdrm	hypo	CG	-0.1257
Gm08	38868784	38868996	Gmdrm	hypo	CG	-0.1933
Gm08	38870629	38870722	Gmdrm	hypo	CG	-0.1567
Gm08	38934106	38934520	Gmdrm	hypo	CG	-0.034
Gm08	38949411	38949646	Gmdrm	hypo	CG	-0.07
Gm08	38954570	38954840	Gmdrm	hypo	CG	-0.2925
Gm08	38966687	38966830	Gmdrm	hypo	CG	-0.7308
Gm08	38975940	38976290	Gmdrm	hypo	CG	-0.1528
Gm08	38992127	38992307	Gmdrm	hypo	CG	-0.034
Gm08	38992736	38992851	Gmdrm	hypo	CG	-0.932
Gm08	38993025	38993346	Gmdrm	hypo	CG	-0.522
Gm08	38994098	38994266	Gmdrm	hypo	CG	-0.7087
Gm08	39001535	39001666	Gmdrm	hypo	CG	-0.8809
Gm08	39002151	39002461	Gmdrm	hypo	CG	-0.4835
Gm08	39058607	39058634	Gmdrm	hypo	CG	-0.66
Gm08	39066616	39066808	Gmdrm	hypo	CG	-0.2842
Gm08	39069023	39069167	Gmdrm	hypo	CG	-0.155
Gm08	39069517	39069587	Gmdrm	hypo	CG	-0.2967
Gm08	39069862	39070092	Gmdrm	hypo	CG	-0.5311
Gm08	39106344	39106396	Gmdrm	hypo	CG	-0.1066
Gm08	39127704	39127758	Gmdrm	hypo	CG	-0.4575
Gm08	39129974	39130190	Gmdrm	hypo	CG	-0.41
Gm08	39131795	39131842	Gmdrm	hypo	CG	-0.319
Gm08	39132083	39132385	Gmdrm	hypo	CG	-0.1188
Gm08	39143345	39143606	Gmdrm	hypo	CG	-0.3089
Gm08	39177971	39177999	Gmdrm	hypo	CG	-0.5533
Gm08	39212512	39212738	Gmdrm	hypo	CG	-0.509
Gm08	39215408	39215558	Gmdrm	hypo	CG	-0.8829
Gm08	39218322	39218338	Gmdrm	hypo	CG	-0.045
Gm08	39229872	39230001	Gmdrm	hypo	CG	-0.0586
Gm08	39249784	39249937	Gmdrm	hypo	CG	-0.3979
Gm08	39291486	39291727	Gmdrm	hypo	CG	-0.48
Gm08	39292962	39293258	Gmdrm	hypo	CG	-0.4837
Gm08	39317221	39317304	Gmdrm	hypo	CG	-0.9167
Gm08	39332045	39332342	Gmdrm	hypo	CG	-0.093
Gm08	39333192	39333293	Gmdrm	hypo	CG	-0.2925
Gm08	39365253	39365673	Gmdrm	hypo	CG	-0.0437
Gm08	39428166	39428242	Gmdrm	hypo	CG	-0.35
Gm08	39435995	39436073	Gmdrm	hypo	CG	-0.528
Gm08	39447066	39447100	Gmdrm	hypo	CG	-0.105
Gm08	39460709	39461569	Gmdrm	hypo	CG	-0.2647
Gm08	39483042	39483207	Gmdrm	hypo	CG	-0.0311
Gm08	39493283	39493634	Gmdrm	hypo	CG	-0.7605

Gm08	39494937	39495251	Gmdrm	hypo	CG	-0.801
Gm08	39499254	39499427	Gmdrm	hypo	CG	-0.3182
Gm08	39502901	39503008	Gmdrm	hypo	CG	-0.884
Gm08	39503570	39503721	Gmdrm	hypo	CG	-0.6533
Gm08	39510153	39510207	Gmdrm	hypo	CG	-0.6533
Gm08	39519443	39519892	Gmdrm	hypo	CG	-0.7022
Gm08	39520143	39520310	Gmdrm	hypo	CG	-0.1912
Gm08	39588914	39589153	Gmdrm	hypo	CG	-0.3937
Gm08	39593352	39593422	Gmdrm	hypo	CG	-0.4001
Gm08	39618543	39618795	Gmdrm	hypo	CG	-0.4633
Gm08	39619058	39619208	Gmdrm	hypo	CG	-0.895
Gm08	39624490	39624532	Gmdrm	hypo	CG	-0.965
Gm08	39628818	39628935	Gmdrm	hypo	CG	-0.276
Gm08	39634514	39634803	Gmdrm	hypo	CG	-0.549
Gm08	39692373	39692431	Gmdrm	hypo	CG	-0.9867
Gm08	39700671	39700947	Gmdrm	hypo	CG	-0.0992
Gm08	39711511	39711767	Gmdrm	hypo	CG	-0.2528
Gm08	39724632	39724655	Gmdrm	hypo	CG	-0.9584
Gm08	39735608	39735788	Gmdrm	hypo	CG	-0.7062
Gm08	39759486	39759559	Gmdrm	hypo	CG	-0.175
Gm08	39769529	39769702	Gmdrm	hypo	CG	-0.034
Gm08	39770216	39770400	Gmdrm	hypo	CG	-0.797
Gm08	39829144	39829461	Gmdrm	hypo	CG	-0.2544
Gm08	39837531	39837618	Gmdrm	hypo	CG	-0.8283
Gm08	39838358	39838485	Gmdrm	hypo	CG	-0.6775
Gm08	39880546	39880908	Gmdrm	hypo	CG	-0.0712
Gm08	39889495	39889601	Gmdrm	hypo	CG	-0.3112
Gm08	39910366	39910398	Gmdrm	hypo	CG	-0.0733
Gm08	39930497	39930614	Gmdrm	hypo	CG	-0.875
Gm08	40028993	40029148	Gmdrm	hypo	CG	-0.446
Gm08	40032788	40032889	Gmdrm	hypo	CG	-0.1211
Gm08	40039982	40040081	Gmdrm	hypo	CG	-0.2325
Gm08	40050297	40050445	Gmdrm	hypo	CG	-0.638
Gm08	40054917	40054971	Gmdrm	hypo	CG	-0.8917
Gm08	40072419	40072650	Gmdrm	hypo	CG	-0.93
Gm08	40079862	40080300	Gmdrm	hypo	CG	-0.0617
Gm08	40080809	40081012	Gmdrm	hypo	CG	-0.1701
Gm08	40081139	40081265	Gmdrm	hypo	CG	-0.7724
Gm08	40094963	40095154	Gmdrm	hypo	CG	-0.0758
Gm08	40137655	40137885	Gmdrm	hypo	CG	-0.046
Gm08	40159966	40160047	Gmdrm	hypo	CG	-0.05
Gm08	40194029	40194112	Gmdrm	hypo	CG	-0.7767
Gm08	40196762	40197026	Gmdrm	hypo	CG	-0.485
Gm08	40208316	40208837	Gmdrm	hypo	CG	-0.0284
Gm08	40212475	40212557	Gmdrm	hypo	CG	-0.2683
Gm08	40220227	40220333	Gmdrm	hypo	CG	-0.3775

Gm08	40248171	40248300	Gmdrm	hypo	CG	-0.4025
Gm08	40251196	40251273	Gmdrm	hypo	CG	-0.405
Gm08	40274377	40274459	Gmdrm	hypo	CG	-0.74
Gm08	40274902	40275191	Gmdrm	hypo	CG	-0.5082
Gm08	40285110	40285224	Gmdrm	hypo	CG	-0.3487
Gm08	40295008	40295083	Gmdrm	hypo	CG	-0.0934
Gm08	40303792	40303829	Gmdrm	hypo	CG	-0.93
Gm08	40331360	40331468	Gmdrm	hypo	CG	-0.935
Gm08	40331846	40332476	Gmdrm	hypo	CG	-0.1397
Gm08	40342856	40343450	Gmdrm	hypo	CG	-0.11
Gm08	40348322	40348433	Gmdrm	hypo	CG	-0.3633
Gm08	40358848	40359007	Gmdrm	hypo	CG	-0.5543
Gm08	40378353	40378454	Gmdrm	hypo	CG	-0.7084
Gm08	40378658	40378799	Gmdrm	hypo	CG	-0.8717
Gm08	40378901	40379148	Gmdrm	hypo	CG	-0.606
Gm08	40398835	40398903	Gmdrm	hypo	CG	-0.356
Gm08	40408245	40408448	Gmdrm	hypo	CG	-0.6582
Gm08	40408743	40409464	Gmdrm	hypo	CG	-0.0905
Gm08	40409706	40409825	Gmdrm	hypo	CG	-0.69
Gm08	40410519	40410756	Gmdrm	hypo	CG	-0.5937
Gm08	40411033	40411281	Gmdrm	hypo	CG	-0.8479
Gm08	40426970	40427314	Gmdrm	hypo	CG	-0.0425
Gm08	40442009	40442176	Gmdrm	hypo	CG	-0.1029
Gm08	40478622	40478727	Gmdrm	hypo	CG	-0.9575
Gm08	40525888	40525963	Gmdrm	hypo	CG	-0.79
Gm08	40531650	40531728	Gmdrm	hypo	CG	-0.365
Gm08	40532732	40532894	Gmdrm	hypo	CG	-0.273
Gm08	40549223	40549527	Gmdrm	hypo	CG	-0.6223
Gm08	40551365	40551603	Gmdrm	hypo	CG	-0.7257
Gm08	40567947	40568033	Gmdrm	hypo	CG	-0.9688
Gm08	40590639	40590772	Gmdrm	hypo	CG	-0.7388
Gm08	40591118	40591253	Gmdrm	hypo	CG	-0.8362
Gm08	40594773	40594858	Gmdrm	hypo	CG	-0.9687
Gm08	40639240	40639254	Gmdrm	hypo	CG	-0.065
Gm08	40680069	40680094	Gmdrm	hypo	CG	-0.75
Gm08	40762958	40763288	Gmdrm	hypo	CG	-0.0762
Gm08	40776123	40776181	Gmdrm	hypo	CG	-0.4283
Gm08	40820217	40820850	Gmdrm	hypo	CG	-0.0377
Gm08	40841958	40842122	Gmdrm	hypo	CG	-0.357
Gm08	40844250	40844439	Gmdrm	hypo	CG	-0.056
Gm08	40854766	40854851	Gmdrm	hypo	CG	-0.35
Gm08	40855175	40855265	Gmdrm	hypo	CG	-0.416
Gm08	40904340	40904582	Gmdrm	hypo	CG	-0.4686
Gm08	40904768	40904881	Gmdrm	hypo	CG	-0.96
Gm08	40905814	40905866	Gmdrm	hypo	CG	-0.8233
Gm08	40927713	40928074	Gmdrm	hypo	CG	-0.5905

Gm08	40936999	40937221	Gmdrm	hypo	CG	-0.0584
Gm08	40953600	40953636	Gmdrm	hypo	CG	-0.7912
Gm08	40953893	40954284	Gmdrm	hypo	CG	-0.328
Gm08	40954437	40954476	Gmdrm	hypo	CG	-0.9017
Gm08	40956067	40956251	Gmdrm	hypo	CG	-0.5115
Gm08	40958882	40959059	Gmdrm	hypo	CG	-0.048
Gm08	40959630	40959760	Gmdrm	hypo	CG	-0.5322
Gm08	40978038	40978116	Gmdrm	hypo	CG	-0.15
Gm08	40982997	40983168	Gmdrm	hypo	CG	-0.507
Gm08	40997876	40997995	Gmdrm	hypo	CG	-0.3511
Gm08	40998643	40998753	Gmdrm	hypo	CG	-0.0567
Gm08	40999510	40999610	Gmdrm	hypo	CG	-0.06
Gm08	41000896	41001150	Gmdrm	hypo	CG	-0.7073
Gm08	41011388	41012381	Gmdrm	hypo	CG	-0.0256
Gm08	41015757	41015935	Gmdrm	hypo	CG	-0.7267
Gm08	41043017	41043167	Gmdrm	hypo	CG	-0.8414
Gm08	41047352	41047495	Gmdrm	hypo	CG	-0.3783
Gm08	41080622	41080781	Gmdrm	hypo	CG	-0.9558
Gm08	41087840	41088106	Gmdrm	hypo	CG	-0.154
Gm08	41099201	41099246	Gmdrm	hypo	CG	-0.9387
Gm08	41105974	41106234	Gmdrm	hypo	CG	-0.552
Gm08	41118147	41118416	Gmdrm	hypo	CG	-0.2571
Gm08	41119239	41119400	Gmdrm	hypo	CG	-0.8407
Gm08	41156914	41157110	Gmdrm	hypo	CG	-0.9473
Gm08	41169253	41169515	Gmdrm	hypo	CG	-0.7379
Gm08	41180346	41180432	Gmdrm	hypo	CG	-0.9067
Gm08	41214506	41214582	Gmdrm	hypo	CG	-0.4283
Gm08	41214795	41214939	Gmdrm	hypo	CG	-0.7442
Gm08	41260279	41260484	Gmdrm	hypo	CG	-0.4425
Gm08	41266334	41266400	Gmdrm	hypo	CG	-0.2283
Gm08	41268539	41268657	Gmdrm	hypo	CG	-0.03
Gm08	41277770	41278041	Gmdrm	hypo	CG	-0.5886
Gm08	41280541	41280685	Gmdrm	hypo	CG	-0.4284
Gm08	41281168	41281592	Gmdrm	hypo	CG	-0.6288
Gm08	41283955	41284144	Gmdrm	hypo	CG	-0.5886
Gm08	41296981	41297201	Gmdrm	hypo	CG	-0.6362
Gm08	41307354	41307410	Gmdrm	hypo	CG	-0.0517
Gm08	41312174	41312254	Gmdrm	hypo	CG	-0.012
Gm08	41346446	41346747	Gmdrm	hypo	CG	-0.0288
Gm08	41388341	41388587	Gmdrm	hypo	CG	-0.636
Gm08	41410648	41410771	Gmdrm	hypo	CG	-0.792
Gm08	41411854	41411933	Gmdrm	hypo	CG	-0.651
Gm08	41435210	41435373	Gmdrm	hypo	CG	-0.06
Gm08	41445234	41445377	Gmdrm	hypo	CG	-0.481
Gm08	41464229	41464310	Gmdrm	hypo	CG	-0.95
Gm08	41465450	41465992	Gmdrm	hypo	CG	-0.05

Gm08	41482118	41482269	Gmdrm	hypo	CG	-0.6217
Gm08	41482451	41482553	Gmdrm	hypo	CG	-0.607
Gm08	41520641	41520833	Gmdrm	hypo	CG	-0.2333
Gm08	41545370	41546288	Gmdrm	hypo	CG	-0.1416
Gm08	41564095	41564290	Gmdrm	hypo	CG	-0.0973
Gm08	41567169	41567237	Gmdrm	hypo	CG	-0.0557
Gm08	41581618	41581820	Gmdrm	hypo	CG	-0.032
Gm08	41590119	41590214	Gmdrm	hypo	CG	-0.7266
Gm08	41596605	41596685	Gmdrm	hypo	CG	-0.885
Gm08	41610656	41610875	Gmdrm	hypo	CG	-0.0825
Gm08	41613430	41613536	Gmdrm	hypo	CG	-0.435
Gm08	41613722	41613848	Gmdrm	hypo	CG	-0.6875
Gm08	41622842	41622957	Gmdrm	hypo	CG	-0.9312
Gm08	41624605	41624634	Gmdrm	hypo	CG	-0.8101
Gm08	41641165	41641713	Gmdrm	hypo	CG	-0.8421
Gm08	41644981	41645047	Gmdrm	hypo	CG	-0.6983
Gm08	41657823	41658039	Gmdrm	hypo	CG	-0.745
Gm08	41667757	41667804	Gmdrm	hypo	CG	-0.3514
Gm08	41692239	41692396	Gmdrm	hypo	CG	-0.0712
Gm08	41711936	41712112	Gmdrm	hypo	CG	-0.8529
Gm08	41721003	41721261	Gmdrm	hypo	CG	-0.2369
Gm08	41723627	41723715	Gmdrm	hypo	CG	-0.0575
Gm08	41725464	41725772	Gmdrm	hypo	CG	-0.461
Gm08	41738681	41739059	Gmdrm	hypo	CG	-0.1718
Gm08	41761171	41761303	Gmdrm	hypo	CG	-0.48
Gm08	41762451	41762601	Gmdrm	hypo	CG	-0.6287
Gm08	41769730	41769783	Gmdrm	hypo	CG	-0.28
Gm08	41776767	41776926	Gmdrm	hypo	CG	-0.724
Gm08	41784875	41784986	Gmdrm	hypo	CG	-0.235
Gm08	41796282	41796391	Gmdrm	hypo	CG	-0.9412
Gm08	41796735	41797127	Gmdrm	hypo	CG	-0.4667
Gm08	41818436	41818508	Gmdrm	hypo	CG	-0.316
Gm08	41840143	41840303	Gmdrm	hypo	CG	-0.8188
Gm08	41847964	41848200	Gmdrm	hypo	CG	-0.2713
Gm08	41862242	41862553	Gmdrm	hypo	CG	-0.8114
Gm08	41864278	41864401	Gmdrm	hypo	CG	-0.7142
Gm08	41866173	41866580	Gmdrm	hypo	CG	-0.3447
Gm08	41868266	41868824	Gmdrm	hypo	CG	-0.5424
Gm08	41879773	41879822	Gmdrm	hypo	CG	-0.6687
Gm08	41901892	41902064	Gmdrm	hypo	CG	-0.1519
Gm08	41903423	41903546	Gmdrm	hypo	CG	-0.3738
Gm08	41903895	41904091	Gmdrm	hypo	CG	-0.2631
Gm08	41912280	41912387	Gmdrm	hypo	CG	-0.9201
Gm08	41912946	41913101	Gmdrm	hypo	CG	-0.607
Gm08	41943076	41943262	Gmdrm	hypo	CG	-0.7664
Gm08	41943494	41943604	Gmdrm	hypo	CG	-0.4309

Gm08	41952662	41952763	Gmdrm	hypo	CG	-0.4762
Gm08	41968102	41968146	Gmdrm	hypo	CG	-0.232
Gm08	41971625	41971833	Gmdrm	hypo	CG	-0.7593
Gm08	42002076	42002225	Gmdrm	hypo	CG	-0.055
Gm08	42018620	42018756	Gmdrm	hypo	CG	-0.2692
Gm08	42021463	42021513	Gmdrm	hypo	CG	-0.0933
Gm08	42033533	42033657	Gmdrm	hypo	CG	-0.0315
Gm08	42046276	42046381	Gmdrm	hypo	CG	-0.05
Gm08	42057123	42057178	Gmdrm	hypo	CG	-0.1438
Gm08	42105943	42106174	Gmdrm	hypo	CG	-0.5888
Gm08	42107130	42107675	Gmdrm	hypo	CG	-0.6775
Gm08	42113875	42114009	Gmdrm	hypo	CG	-0.781
Gm08	42124324	42124461	Gmdrm	hypo	CG	-0.414
Gm08	42174716	42174830	Gmdrm	hypo	CG	-0.493
Gm08	42190905	42190989	Gmdrm	hypo	CG	-0.5862
Gm08	42273339	42273469	Gmdrm	hypo	CG	-0.928
Gm08	42276645	42276914	Gmdrm	hypo	CG	-0.6478
Gm08	42296139	42296259	Gmdrm	hypo	CG	-0.2437
Gm08	42301415	42301691	Gmdrm	hypo	CG	-0.6107
Gm08	42317820	42317933	Gmdrm	hypo	CG	-0.2365
Gm08	42356883	42357145	Gmdrm	hypo	CG	-0.6288
Gm08	42373158	42373467	Gmdrm	hypo	CG	-0.83
Gm08	42380561	42380694	Gmdrm	hypo	CG	-0.2863
Gm08	42384289	42384347	Gmdrm	hypo	CG	-0.7783
Gm08	42389626	42389684	Gmdrm	hypo	CG	-0.395
Gm08	42431515	42431548	Gmdrm	hypo	CG	-0.165
Gm08	42434556	42434609	Gmdrm	hypo	CG	-0.92
Gm08	42451884	42452115	Gmdrm	hypo	CG	-0.4474
Gm08	42454557	42454684	Gmdrm	hypo	CG	-0.4799
Gm08	42460517	42460615	Gmdrm	hypo	CG	-0.8667
Gm08	42475623	42475692	Gmdrm	hypo	CG	-0.455
Gm08	42478809	42478942	Gmdrm	hypo	CG	-0.8575
Gm08	42479071	42479093	Gmdrm	hypo	CG	-0.775
Gm08	42483151	42483275	Gmdrm	hypo	CG	-0.064
Gm08	42509025	42509316	Gmdrm	hypo	CG	-0.8407
Gm08	42517239	42517382	Gmdrm	hypo	CG	-0.3085
Gm08	42520064	42520203	Gmdrm	hypo	CG	-0.3567
Gm08	42520755	42520947	Gmdrm	hypo	CG	-0.05
Gm08	42527395	42527672	Gmdrm	hypo	CG	-0.089
Gm08	42530795	42531257	Gmdrm	hypo	CG	-0.386
Gm08	42531934	42532174	Gmdrm	hypo	CG	-0.3475
Gm08	42537121	42537315	Gmdrm	hypo	CG	-0.963
Gm08	42551204	42551310	Gmdrm	hypo	CG	-0.3016
Gm08	42551738	42551941	Gmdrm	hypo	CG	-0.056
Gm08	42559436	42559490	Gmdrm	hypo	CG	-0.995
Gm08	42569169	42569452	Gmdrm	hypo	CG	-0.3943

Gm08	42575049	42575177	Gmdrm	hypo	CG	-0.5338
Gm08	42581111	42581226	Gmdrm	hypo	CG	-0.4233
Gm08	42583672	42583706	Gmdrm	hypo	CG	-0.725
Gm08	42587035	42587262	Gmdrm	hypo	CG	-0.1263
Gm08	42589860	42590132	Gmdrm	hypo	CG	-0.3362
Gm08	42592104	42592258	Gmdrm	hypo	CG	-0.5267
Gm08	42601064	42601206	Gmdrm	hypo	CG	-0.49
Gm08	42607238	42607584	Gmdrm	hypo	CG	-0.0723
Gm08	42608277	42608738	Gmdrm	hypo	CG	-0.0786
Gm08	42624050	42624155	Gmdrm	hypo	CG	-0.4084
Gm08	42631766	42631892	Gmdrm	hypo	CG	-0.8113
Gm08	42645436	42645594	Gmdrm	hypo	CG	-0.935
Gm08	42655410	42655532	Gmdrm	hypo	CG	-0.4937
Gm08	42657732	42657767	Gmdrm	hypo	CG	-0.555
Gm08	42725320	42725846	Gmdrm	hypo	CG	-0.3009
Gm08	42726115	42726340	Gmdrm	hypo	CG	-0.4814
Gm08	42749653	42750020	Gmdrm	hypo	CG	-0.0933
Gm08	42792078	42792135	Gmdrm	hypo	CG	-0.056
Gm08	42792434	42792541	Gmdrm	hypo	CG	-0.0938
Gm08	42808526	42808732	Gmdrm	hypo	CG	-0.059
Gm08	42853898	42854225	Gmdrm	hypo	CG	-0.3888
Gm08	42859305	42859517	Gmdrm	hypo	CG	-0.527
Gm08	42870353	42870636	Gmdrm	hypo	CG	-0.245
Gm08	42876055	42876330	Gmdrm	hypo	CG	-0.185
Gm08	42884977	42885194	Gmdrm	hypo	CG	-0.5072
Gm08	42885434	42885740	Gmdrm	hypo	CG	-0.499
Gm08	42909867	42910038	Gmdrm	hypo	CG	-0.6
Gm08	42951737	42951784	Gmdrm	hypo	CG	-0.6366
Gm08	42988424	42988489	Gmdrm	hypo	CG	-0.038
Gm08	42989805	42989859	Gmdrm	hypo	CG	-0.86
Gm08	42990081	42990121	Gmdrm	hypo	CG	-0.9316
Gm08	43012798	43013306	Gmdrm	hypo	CG	-0.4175
Gm08	43013412	43013725	Gmdrm	hypo	CG	-0.5345
Gm08	43016668	43016893	Gmdrm	hypo	CG	-0.7139
Gm08	43017036	43017205	Gmdrm	hypo	CG	-0.5517
Gm08	43028284	43028398	Gmdrm	hypo	CG	-0.9125
Gm08	43059238	43059460	Gmdrm	hypo	CG	-0.943
Gm08	43070772	43070962	Gmdrm	hypo	CG	-0.863
Gm08	43076908	43077205	Gmdrm	hypo	CG	-0.5179
Gm08	43077487	43077568	Gmdrm	hypo	CG	-0.6774
Gm08	43078307	43078590	Gmdrm	hypo	CG	-0.6467
Gm08	43085081	43085161	Gmdrm	hypo	CG	-0.8487
Gm08	43085428	43085466	Gmdrm	hypo	CG	-0.4533
Gm08	43086482	43086878	Gmdrm	hypo	CG	-0.0378
Gm08	43087591	43087647	Gmdrm	hypo	CG	-0.0512
Gm08	43105040	43105115	Gmdrm	hypo	CG	-0.9675

Gm08	43122020	43122178	Gmdrm	hypo	CG	-0.5175
Gm08	43132884	43133194	Gmdrm	hypo	CG	-0.9233
Gm08	43134740	43134864	Gmdrm	hypo	CG	-0.9337
Gm08	43147009	43147251	Gmdrm	hypo	CG	-0.2858
Gm08	43181756	43181886	Gmdrm	hypo	CG	-0.5758
Gm08	43182777	43182892	Gmdrm	hypo	CG	-0.5213
Gm08	43211136	43211323	Gmdrm	hypo	CG	-0.8863
Gm08	43212003	43212235	Gmdrm	hypo	CG	-0.772
Gm08	43221904	43221922	Gmdrm	hypo	CG	-0.054
Gm08	43231605	43231771	Gmdrm	hypo	CG	-0.3438
Gm08	43235618	43235764	Gmdrm	hypo	CG	-0.51
Gm08	43269371	43269446	Gmdrm	hypo	CG	-0.627
Gm08	43289218	43289316	Gmdrm	hypo	CG	-0.7962
Gm08	43295902	43296028	Gmdrm	hypo	CG	-0.03
Gm08	43307583	43307718	Gmdrm	hypo	CG	-0.649
Gm08	43334042	43334332	Gmdrm	hypo	CG	-0.9443
Gm08	43352669	43352732	Gmdrm	hypo	CG	-0.036
Gm08	43400360	43400418	Gmdrm	hypo	CG	-0.6625
Gm08	43400717	43401689	Gmdrm	hypo	CG	-0.1781
Gm08	43409160	43409479	Gmdrm	hypo	CG	-0.0908
Gm08	43412877	43413598	Gmdrm	hypo	CG	-0.1069
Gm08	43414411	43414661	Gmdrm	hypo	CG	-0.2644
Gm08	43416395	43416662	Gmdrm	hypo	CG	-0.1018
Gm08	43417005	43417182	Gmdrm	hypo	CG	-0.6299
Gm08	43417570	43417678	Gmdrm	hypo	CG	-0.5713
Gm08	43418275	43418293	Gmdrm	hypo	CG	-0.8933
Gm08	43418996	43419145	Gmdrm	hypo	CG	-0.826
Gm08	43435106	43435262	Gmdrm	hypo	CG	-0.9529
Gm08	43442317	43442405	Gmdrm	hypo	CG	-0.5667
Gm08	43445019	43445190	Gmdrm	hypo	CG	-0.9177
Gm08	43453515	43453649	Gmdrm	hypo	CG	-0.04
Gm08	43457554	43457602	Gmdrm	hypo	CG	-0.75
Gm08	43469974	43470072	Gmdrm	hypo	CG	-0.62
Gm08	43470426	43470459	Gmdrm	hypo	CG	-0.3033
Gm08	43470949	43471246	Gmdrm	hypo	CG	-0.4816
Gm08	43495694	43495808	Gmdrm	hypo	CG	-0.8184
Gm08	43510192	43510387	Gmdrm	hypo	CG	-0.5793
Gm08	43540017	43540061	Gmdrm	hypo	CG	-0.9283
Gm08	43580308	43580502	Gmdrm	hypo	CG	-0.528
Gm08	43612146	43612238	Gmdrm	hypo	CG	-0.775
Gm08	43667586	43667620	Gmdrm	hypo	CG	-0.0367
Gm08	43667787	43667856	Gmdrm	hypo	CG	-0.8416
Gm08	43707368	43707521	Gmdrm	hypo	CG	-0.97
Gm08	43736474	43736771	Gmdrm	hypo	CG	-0.7143
Gm08	43736921	43737069	Gmdrm	hypo	CG	-0.1891
Gm08	43743546	43743738	Gmdrm	hypo	CG	-0.6323

Gm08	43751808	43752044	Gmdrm	hypo	CG	-0.601
Gm08	43753645	43753717	Gmdrm	hypo	CG	-0.5534
Gm08	43753852	43754100	Gmdrm	hypo	CG	-0.6486
Gm08	43756517	43756640	Gmdrm	hypo	CG	-0.9384
Gm08	43760629	43760688	Gmdrm	hypo	CG	-0.665
Gm08	43760972	43761274	Gmdrm	hypo	CG	-0.6685
Gm08	43770217	43770425	Gmdrm	hypo	CG	-0.7391
Gm08	43775378	43775409	Gmdrm	hypo	CG	-0.5367
Gm08	43791732	43791853	Gmdrm	hypo	CG	-0.04
Gm08	43792431	43792478	Gmdrm	hypo	CG	-0.932
Gm08	43794683	43794760	Gmdrm	hypo	CG	-0.831
Gm08	43808399	43808467	Gmdrm	hypo	CG	-0.7384
Gm08	43810697	43810767	Gmdrm	hypo	CG	-0.1612
Gm08	43811172	43811265	Gmdrm	hypo	CG	-0.7125
Gm08	43830052	43830254	Gmdrm	hypo	CG	-0.2427
Gm08	43833540	43833556	Gmdrm	hypo	CG	-0.1617
Gm08	43835188	43835266	Gmdrm	hypo	CG	-0.052
Gm08	43857193	43857249	Gmdrm	hypo	CG	-0.778
Gm08	43859893	43860283	Gmdrm	hypo	CG	-0.0871
Gm08	43875757	43875944	Gmdrm	hypo	CG	-0.1585
Gm08	43879354	43879429	Gmdrm	hypo	CG	-0.5486
Gm08	43899621	43899708	Gmdrm	hypo	CG	-0.194
Gm08	43925403	43925493	Gmdrm	hypo	CG	-0.5734
Gm08	43925904	43925972	Gmdrm	hypo	CG	-0.935
Gm08	43927038	43927370	Gmdrm	hypo	CG	-0.867
Gm08	43928092	43928181	Gmdrm	hypo	CG	-0.3138
Gm08	43928282	43928436	Gmdrm	hypo	CG	-0.6971
Gm08	43930803	43931002	Gmdrm	hypo	CG	-0.8729
Gm08	43932660	43933034	Gmdrm	hypo	CG	-0.816
Gm08	43933138	43933318	Gmdrm	hypo	CG	-0.7443
Gm08	43934676	43934812	Gmdrm	hypo	CG	-0.721
Gm08	43943161	43943450	Gmdrm	hypo	CG	-0.3806
Gm08	43951855	43951882	Gmdrm	hypo	CG	-0.41
Gm08	43952019	43952199	Gmdrm	hypo	CG	-0.725
Gm08	43958529	43958709	Gmdrm	hypo	CG	-0.5793
Gm08	43969987	43970095	Gmdrm	hypo	CG	-0.2318
Gm08	43983797	43983856	Gmdrm	hypo	CG	-0.595
Gm08	43986571	43986627	Gmdrm	hypo	CG	-0.955
Gm08	44001232	44001751	Gmdrm	hypo	CG	-0.3833
Gm08	44003980	44004240	Gmdrm	hypo	CG	-0.5286
Gm08	44006545	44006612	Gmdrm	hypo	CG	-0.256
Gm08	44006719	44006840	Gmdrm	hypo	CG	-0.3717
Gm08	44012524	44012742	Gmdrm	hypo	CG	-0.775
Gm08	44013241	44013401	Gmdrm	hypo	CG	-0.9084
Gm08	44035101	44035368	Gmdrm	hypo	CG	-0.5174
Gm08	44035842	44035992	Gmdrm	hypo	CG	-0.1824

Gm08	44036095	44036205	Gmdrm	hypo	CG	-0.8838
Gm08	44036681	44036767	Gmdrm	hypo	CG	-0.2
Gm08	44040866	44041255	Gmdrm	hypo	CG	-0.0939
Gm08	44042263	44042288	Gmdrm	hypo	CG	-0.4433
Gm08	44048206	44048396	Gmdrm	hypo	CG	-0.07
Gm08	44050906	44051038	Gmdrm	hypo	CG	-0.7788
Gm08	44051803	44051948	Gmdrm	hypo	CG	-0.372
Gm08	44074034	44074259	Gmdrm	hypo	CG	-0.5833
Gm08	44112795	44112842	Gmdrm	hypo	CG	-0.8983
Gm08	44124092	44124165	Gmdrm	hypo	CG	-0.6134
Gm08	44124280	44124585	Gmdrm	hypo	CG	-0.8693
Gm08	44141070	44141174	Gmdrm	hypo	CG	-0.29
Gm08	44146876	44147138	Gmdrm	hypo	CG	-0.9471
Gm08	44149588	44149750	Gmdrm	hypo	CG	-0.5638
Gm08	44162342	44162457	Gmdrm	hypo	CG	-0.5283
Gm08	44162861	44162951	Gmdrm	hypo	CG	-0.7562
Gm08	44163127	44163357	Gmdrm	hypo	CG	-0.776
Gm08	44166249	44166354	Gmdrm	hypo	CG	-0.565
Gm08	44200538	44200730	Gmdrm	hypo	CG	-0.5815
Gm08	44229967	44230175	Gmdrm	hypo	CG	-0.6909
Gm08	44230833	44231226	Gmdrm	hypo	CG	-0.3773
Gm08	44269782	44269880	Gmdrm	hypo	CG	-0.206
Gm08	44278168	44278467	Gmdrm	hypo	CG	-0.534
Gm08	44278754	44279113	Gmdrm	hypo	CG	-0.1487
Gm08	44326245	44326579	Gmdrm	hypo	CG	-0.7541
Gm08	44328202	44328345	Gmdrm	hypo	CG	-0.9767
Gm08	44328530	44328546	Gmdrm	hypo	CG	-0.9533
Gm08	44341382	44341536	Gmdrm	hypo	CG	-0.8558
Gm08	44372433	44372535	Gmdrm	hypo	CG	-0.4275
Gm08	44372956	44373315	Gmdrm	hypo	CG	-0.1694
Gm08	44373769	44373955	Gmdrm	hypo	CG	-0.4517
Gm08	44400494	44400713	Gmdrm	hypo	CG	-0.5254
Gm08	44431146	44431224	Gmdrm	hypo	CG	-0.235
Gm08	44445716	44446097	Gmdrm	hypo	CG	-0.5874
Gm08	44446926	44447242	Gmdrm	hypo	CG	-0.1823
Gm08	44456623	44456790	Gmdrm	hypo	CG	-0.12
Gm08	44460167	44460216	Gmdrm	hypo	CG	-0.119
Gm08	44499512	44499611	Gmdrm	hypo	CG	-0.7933
Gm08	44543706	44543832	Gmdrm	hypo	CG	-0.98
Gm08	44544035	44544073	Gmdrm	hypo	CG	-0.956
Gm08	44544969	44545072	Gmdrm	hypo	CG	-0.944
Gm08	44546522	44546897	Gmdrm	hypo	CG	-0.0282
Gm08	44551923	44552054	Gmdrm	hypo	CG	-0.4067
Gm08	44563536	44563682	Gmdrm	hypo	CG	-0.3217
Gm08	44581378	44581436	Gmdrm	hypo	CG	-0.73
Gm08	44593826	44593896	Gmdrm	hypo	CG	-0.5025

Gm08	44642618	44642853	Gmdrm	hypo	CG	-0.5965
Gm08	44667945	44668274	Gmdrm	hypo	CG	-0.2461
Gm08	44668405	44668755	Gmdrm	hypo	CG	-0.1181
Gm08	44687646	44687753	Gmdrm	hypo	CG	-0.565
Gm08	44687877	44688006	Gmdrm	hypo	CG	-0.8545
Gm08	44693750	44694065	Gmdrm	hypo	CG	-0.2585
Gm08	44697351	44697533	Gmdrm	hypo	CG	-0.798
Gm08	44726885	44726949	Gmdrm	hypo	CG	-0.738
Gm08	44742991	44743269	Gmdrm	hypo	CG	-0.536
Gm08	44750716	44750959	Gmdrm	hypo	CG	-0.9059
Gm08	44753433	44753728	Gmdrm	hypo	CG	-0.4139
Gm08	44754627	44754814	Gmdrm	hypo	CG	-0.1675
Gm08	44755984	44756102	Gmdrm	hypo	CG	-0.4262
Gm08	44756501	44756625	Gmdrm	hypo	CG	-0.396
Gm08	44771996	44772171	Gmdrm	hypo	CG	-0.4034
Gm08	44820226	44820910	Gmdrm	hypo	CG	-0.0257
Gm08	44851257	44851385	Gmdrm	hypo	CG	-0.4367
Gm08	44851774	44851848	Gmdrm	hypo	CG	-0.789
Gm08	44870596	44870701	Gmdrm	hypo	CG	-0.759
Gm08	44872905	44873326	Gmdrm	hypo	CG	-0.3256
Gm08	44878781	44878827	Gmdrm	hypo	CG	-0.6638
Gm08	44879343	44879413	Gmdrm	hypo	CG	-0.9475
Gm08	44893122	44893209	Gmdrm	hypo	CG	-0.034
Gm08	44897660	44897960	Gmdrm	hypo	CG	-0.6782
Gm08	44910309	44910710	Gmdrm	hypo	CG	-0.8455
Gm08	44912394	44912434	Gmdrm	hypo	CG	-0.4525
Gm08	44935141	44935193	Gmdrm	hypo	CG	-0.5467
Gm08	44954932	44955229	Gmdrm	hypo	CG	-0.7315
Gm08	44958947	44959030	Gmdrm	hypo	CG	-0.0814
Gm08	44980281	44980440	Gmdrm	hypo	CG	-0.39
Gm08	44980811	44980926	Gmdrm	hypo	CG	-0.504
Gm08	44998598	44998809	Gmdrm	hypo	CG	-0.7333
Gm08	45008304	45008447	Gmdrm	hypo	CG	-0.82
Gm08	45008616	45008697	Gmdrm	hypo	CG	-0.3733
Gm08	45019124	45019240	Gmdrm	hypo	CG	-0.6538
Gm08	45036131	45036246	Gmdrm	hypo	CG	-0.5375
Gm08	45081532	45081571	Gmdrm	hypo	CG	-0.79
Gm08	45081721	45081758	Gmdrm	hypo	CG	-0.8112
Gm08	45089633	45089670	Gmdrm	hypo	CG	-0.53
Gm08	45137085	45137141	Gmdrm	hypo	CG	-0.7457
Gm08	45138961	45139085	Gmdrm	hypo	CG	-0.4512
Gm08	45143729	45144058	Gmdrm	hypo	CG	-0.5054
Gm08	45146865	45147244	Gmdrm	hypo	CG	-0.794
Gm08	45152529	45152576	Gmdrm	hypo	CG	-0.952
Gm08	45167549	45167610	Gmdrm	hypo	CG	-0.4834
Gm08	45188729	45188846	Gmdrm	hypo	CG	-0.07

Gm08	45207685	45207989	Gmdrm	hypo	CG	-0.65
Gm08	45212107	45212321	Gmdrm	hypo	CG	-0.1258
Gm08	45221276	45221449	Gmdrm	hypo	CG	-0.6566
Gm08	45222448	45222749	Gmdrm	hypo	CG	-0.6456
Gm08	45255616	45255784	Gmdrm	hypo	CG	-0.1472
Gm08	45272620	45272795	Gmdrm	hypo	CG	-0.9628
Gm08	45275199	45275408	Gmdrm	hypo	CG	-0.83
Gm08	45290390	45290601	Gmdrm	hypo	CG	-0.5643
Gm08	45294806	45295018	Gmdrm	hypo	CG	-0.06
Gm08	45317788	45317873	Gmdrm	hypo	CG	-0.72
Gm08	45330874	45331044	Gmdrm	hypo	CG	-0.23
Gm08	45331738	45331790	Gmdrm	hypo	CG	-0.1567
Gm08	45331895	45331992	Gmdrm	hypo	CG	-0.2557
Gm08	45332650	45332840	Gmdrm	hypo	CG	-0.267
Gm08	45337898	45338086	Gmdrm	hypo	CG	-0.9224
Gm08	45388923	45389096	Gmdrm	hypo	CG	-0.6478
Gm08	45424252	45424600	Gmdrm	hypo	CG	-0.5466
Gm08	45462791	45462965	Gmdrm	hypo	CG	-0.5306
Gm08	45464396	45464534	Gmdrm	hypo	CG	-0.9375
Gm08	45476658	45476930	Gmdrm	hypo	CG	-0.1122
Gm08	45575285	45575556	Gmdrm	hypo	CG	-0.2392
Gm08	45604762	45605134	Gmdrm	hypo	CG	-0.1122
Gm08	45605256	45605389	Gmdrm	hypo	CG	-0.416
Gm08	45606005	45606216	Gmdrm	hypo	CG	-0.4518
Gm08	45610133	45611104	Gmdrm	hypo	CG	-0.1059
Gm08	45611138	45611279	Gmdrm	hypo	CG	-0.4337
Gm08	45630842	45631036	Gmdrm	hypo	CG	-0.406
Gm08	45631200	45631261	Gmdrm	hypo	CG	-0.1717
Gm08	45631465	45631969	Gmdrm	hypo	CG	-0.604
Gm08	45657359	45657520	Gmdrm	hypo	CG	-0.5534
Gm08	45657658	45657783	Gmdrm	hypo	CG	-0.5133
Gm08	45659292	45659452	Gmdrm	hypo	CG	-0.04
Gm08	45670511	45670649	Gmdrm	hypo	CG	-0.046
Gm08	45675704	45676005	Gmdrm	hypo	CG	-0.7087
Gm08	45700445	45700988	Gmdrm	hypo	CG	-0.0613
Gm08	45728495	45729049	Gmdrm	hypo	CG	-0.7079
Gm08	45731601	45731813	Gmdrm	hypo	CG	-0.568
Gm08	45731956	45732022	Gmdrm	hypo	CG	-0.6633
Gm08	45772359	45772701	Gmdrm	hypo	CG	-0.6656
Gm08	45801360	45801407	Gmdrm	hypo	CG	-0.1383
Gm08	45801582	45801675	Gmdrm	hypo	CG	-0.0532
Gm08	45818119	45818488	Gmdrm	hypo	CG	-0.0513
Gm08	45822437	45822510	Gmdrm	hypo	CG	-0.8987
Gm08	45825701	45825713	Gmdrm	hypo	CG	-0.3617
Gm08	45829648	45829726	Gmdrm	hypo	CG	-0.4984
Gm08	45840823	45841018	Gmdrm	hypo	CG	-0.256

Gm08	45845607	45845876	Gmdrm	hypo	CG	-0.0557
Gm08	45847317	45847431	Gmdrm	hypo	CG	-0.0438
Gm08	45872802	45872971	Gmdrm	hypo	CG	-0.0471
Gm08	45888589	45888689	Gmdrm	hypo	CG	-0.056
Gm08	45896877	45897072	Gmdrm	hypo	CG	-0.7071
Gm08	45897379	45897419	Gmdrm	hypo	CG	-0.7975
Gm08	45897555	45897953	Gmdrm	hypo	CG	-0.396
Gm08	45908767	45908892	Gmdrm	hypo	CG	-0.7812
Gm08	45909004	45909049	Gmdrm	hypo	CG	-0.112
Gm08	45919451	45919512	Gmdrm	hypo	CG	-0.108
Gm08	45959233	45959273	Gmdrm	hypo	CG	-0.208
Gm08	45964204	45964568	Gmdrm	hypo	CG	-0.4693
Gm08	45968846	45968917	Gmdrm	hypo	CG	-0.89
Gm08	45969158	45969310	Gmdrm	hypo	CG	-0.4937
Gm08	45970015	45970085	Gmdrm	hypo	CG	-0.823
Gm08	46010731	46010998	Gmdrm	hypo	CG	-0.4743
Gm08	46013636	46013883	Gmdrm	hypo	CG	-0.2663
Gm08	46016626	46016802	Gmdrm	hypo	CG	-0.7586
Gm08	46017912	46018327	Gmdrm	hypo	CG	-0.3743
Gm08	46020453	46020759	Gmdrm	hypo	CG	-0.4807
Gm08	46021928	46022081	Gmdrm	hypo	CG	-0.154
Gm08	46030569	46030835	Gmdrm	hypo	CG	-0.497
Gm08	46032205	46032409	Gmdrm	hypo	CG	-0.2108
Gm08	46048068	46048168	Gmdrm	hypo	CG	-0.065
Gm08	46059454	46059614	Gmdrm	hypo	CG	-0.0367
Gm08	46088660	46088820	Gmdrm	hypo	CG	-0.5695
Gm08	46100310	46100351	Gmdrm	hypo	CG	-0.8583
Gm08	46101070	46101478	Gmdrm	hypo	CG	-0.4121
Gm08	46140752	46141007	Gmdrm	hypo	CG	-0.819
Gm08	46164920	46165022	Gmdrm	hypo	CG	-0.4041
Gm08	46165379	46165479	Gmdrm	hypo	CG	-0.7538
Gm08	46175319	46175579	Gmdrm	hypo	CG	-0.4894
Gm08	46212720	46212926	Gmdrm	hypo	CG	-0.1033
Gm08	46216030	46216185	Gmdrm	hypo	CG	-0.9325
Gm08	46231884	46232126	Gmdrm	hypo	CG	-0.099
Gm08	46264505	46264546	Gmdrm	hypo	CG	-0.245
Gm08	46264687	46264873	Gmdrm	hypo	CG	-0.693
Gm08	46279284	46279476	Gmdrm	hypo	CG	-0.4191
Gm08	46288368	46288393	Gmdrm	hypo	CG	-0.8762
Gm08	46319838	46319999	Gmdrm	hypo	CG	-0.8405
Gm08	46320260	46320394	Gmdrm	hypo	CG	-0.5589
Gm08	46334417	46334591	Gmdrm	hypo	CG	-0.917
Gm08	46341897	46341990	Gmdrm	hypo	CG	-0.9386
Gm08	46353934	46354188	Gmdrm	hypo	CG	-0.8331
Gm08	46355509	46355649	Gmdrm	hypo	CG	-0.824
Gm08	46413699	46413853	Gmdrm	hypo	CG	-0.7267

Gm08	46417385	46417708	Gmdrm	hypo	CG	-0.8447
Gm08	46417893	46418098	Gmdrm	hypo	CG	-0.742
Gm08	46419525	46419770	Gmdrm	hypo	CG	-0.6163
Gm08	46424848	46424893	Gmdrm	hypo	CG	-0.796
Gm08	46437880	46437923	Gmdrm	hypo	CG	-0.895
Gm08	46459520	46459821	Gmdrm	hypo	CG	-0.61
Gm08	46468816	46469008	Gmdrm	hypo	CG	-0.6991
Gm08	46475627	46475882	Gmdrm	hypo	CG	-0.7386
Gm08	46476352	46476402	Gmdrm	hypo	CG	-0.8088
Gm08	46496602	46496678	Gmdrm	hypo	CG	-0.8283
Gm08	46512031	46512368	Gmdrm	hypo	CG	-0.1888
Gm08	46512488	46512647	Gmdrm	hypo	CG	-0.05
Gm08	46527540	46527770	Gmdrm	hypo	CG	-0.1246
Gm08	46546075	46546114	Gmdrm	hypo	CG	-0.8817
Gm08	46549798	46550011	Gmdrm	hypo	CG	-0.497
Gm08	46579177	46579354	Gmdrm	hypo	CG	-0.7379
Gm08	46579608	46580089	Gmdrm	hypo	CG	-0.309
Gm08	46611655	46611700	Gmdrm	hypo	CG	-0.744
Gm08	46623000	46623158	Gmdrm	hypo	CG	-0.5325
Gm08	46624398	46624720	Gmdrm	hypo	CG	-0.5388
Gm08	46626508	46626632	Gmdrm	hypo	CG	-0.8577
Gm08	46632716	46632987	Gmdrm	hypo	CG	-0.3874
Gm08	46643488	46643739	Gmdrm	hypo	CG	-0.0714
Gm08	46656949	46657020	Gmdrm	hypo	CG	-0.9217
Gm08	46701585	46701883	Gmdrm	hypo	CG	-0.1216
Gm08	46766628	46766761	Gmdrm	hypo	CG	-0.4649
Gm08	46785791	46785897	Gmdrm	hypo	CG	-0.736
Gm08	46805354	46805591	Gmdrm	hypo	CG	-0.4778
Gm08	46809110	46809167	Gmdrm	hypo	CG	-0.605
Gm08	46812961	46813173	Gmdrm	hypo	CG	-0.935
Gm08	46829721	46830022	Gmdrm	hypo	CG	-0.57
Gm08	46844110	46844159	Gmdrm	hypo	CG	-0.4899
Gm08	46875280	46875361	Gmdrm	hypo	CG	-0.1412
Gm08	46882801	46882946	Gmdrm	hypo	CG	-0.085
Gm08	46883603	46883649	Gmdrm	hypo	CG	-0.0916
Gm08	46883842	46884048	Gmdrm	hypo	CG	-0.2987
Gm08	46908163	46908425	Gmdrm	hypo	CG	-0.8117
Gm08	46922701	46922887	Gmdrm	hypo	CG	-0.8254
Gm08	46969387	46969544	Gmdrm	hypo	CG	-0.795
Gm08	46974978	46975106	Gmdrm	hypo	CG	-0.917
Gm08	46987009	46987099	Gmdrm	hypo	CG	-0.9387
Gm08	46987207	46987487	Gmdrm	hypo	CG	-0.9563
Gm08	46994117	46994511	Gmdrm	hypo	CG	-0.3327
Gm08	47002900	47002999	Gmdrm	hypo	CG	-0.5066
Gm08	47007286	47007452	Gmdrm	hypo	CG	-0.1994
Gm08	47021178	47021401	Gmdrm	hypo	CG	-0.3025

Gm08	47021911	47022035	Gmdrm	hypo	CG	-0.3912
Gm08	47024083	47024376	Gmdrm	hypo	CG	-0.96
Gm08	47030687	47030950	Gmdrm	hypo	CG	-0.0643
Gm08	47044600	47044871	Gmdrm	hypo	CG	-0.6333
Gm08	47056971	47057115	Gmdrm	hypo	CG	-0.82
Gm08	47059961	47060033	Gmdrm	hypo	CG	-0.2984
Gm08	47060137	47060299	Gmdrm	hypo	CG	-0.2054
Gm08	47072187	47072316	Gmdrm	hypo	CG	-0.2967
Gm08	47098062	47098315	Gmdrm	hypo	CG	-0.1156
Gm08	47118430	47118576	Gmdrm	hypo	CG	-0.7637
Gm08	47133414	47133636	Gmdrm	hypo	CG	-0.4183
Gm08	47133768	47133889	Gmdrm	hypo	CG	-0.602
Gm08	47137931	47137978	Gmdrm	hypo	CG	-0.5734
Gm08	47188327	47188516	Gmdrm	hypo	CG	-0.79
Gm08	47208990	47209247	Gmdrm	hypo	CG	-0.7771
Gm08	47209650	47209960	Gmdrm	hypo	CG	-0.5761
Gm09	6499	6821	Gmdrm	hypo	CG	-0.5627
Gm09	21854	21933	Gmdrm	hypo	CG	-0.744
Gm09	35514	35973	Gmdrm	hypo	CG	-0.4225
Gm09	38857	38885	Gmdrm	hypo	CG	-0.2937
Gm09	39477	39526	Gmdrm	hypo	CG	-0.6417
Gm09	39629	39950	Gmdrm	hypo	CG	-0.696
Gm09	54997	55052	Gmdrm	hypo	CG	-0.5817
Gm09	55425	55633	Gmdrm	hypo	CG	-0.5825
Gm09	77041	77146	Gmdrm	hypo	CG	-0.5475
Gm09	86216	86332	Gmdrm	hypo	CG	-0.6483
Gm09	90540	90613	Gmdrm	hypo	CG	-0.2383
Gm09	90714	90865	Gmdrm	hypo	CG	-0.4094
Gm09	98740	98969	Gmdrm	hypo	CG	-0.6581
Gm09	117556	117833	Gmdrm	hypo	CG	-0.333
Gm09	120304	120421	Gmdrm	hypo	CG	-0.082
Gm09	135019	135371	Gmdrm	hypo	CG	-0.0581
Gm09	155149	155215	Gmdrm	hypo	CG	-0.055
Gm09	197940	198009	Gmdrm	hypo	CG	-0.71
Gm09	200832	200887	Gmdrm	hypo	CG	-0.1638
Gm09	201280	201355	Gmdrm	hypo	CG	-0.11
Gm09	227563	227718	Gmdrm	hypo	CG	-0.615
Gm09	249736	249927	Gmdrm	hypo	CG	-0.5717
Gm09	250029	250117	Gmdrm	hypo	CG	-0.624
Gm09	250258	250612	Gmdrm	hypo	CG	-0.789
Gm09	261842	262175	Gmdrm	hypo	CG	-0.3293
Gm09	264829	265049	Gmdrm	hypo	CG	-0.5405
Gm09	311217	311441	Gmdrm	hypo	CG	-0.1478
Gm09	311599	311698	Gmdrm	hypo	CG	-0.0707
Gm09	315083	315112	Gmdrm	hypo	CG	-0.9567
Gm09	323199	323329	Gmdrm	hypo	CG	-0.4517

Gm09	325919	326127	Gmdrm	hypo	CG	-0.038
Gm09	346488	346668	Gmdrm	hypo	CG	-0.7787
Gm09	355505	355673	Gmdrm	hypo	CG	-0.048
Gm09	411281	411545	Gmdrm	hypo	CG	-0.715
Gm09	421643	421880	Gmdrm	hypo	CG	-0.4532
Gm09	460343	460477	Gmdrm	hypo	CG	-0.4412
Gm09	469174	469254	Gmdrm	hypo	CG	-0.9683
Gm09	469410	469501	Gmdrm	hypo	CG	-0.8817
Gm09	552447	552648	Gmdrm	hypo	CG	-0.6813
Gm09	556507	556806	Gmdrm	hypo	CG	-0.7255
Gm09	557090	557306	Gmdrm	hypo	CG	-0.8628
Gm09	558442	558621	Gmdrm	hypo	CG	-0.04
Gm09	570480	570601	Gmdrm	hypo	CG	-0.901
Gm09	580943	581060	Gmdrm	hypo	CG	-0.1986
Gm09	584313	584490	Gmdrm	hypo	CG	-0.3093
Gm09	584934	585202	Gmdrm	hypo	CG	-0.2807
Gm09	593214	593318	Gmdrm	hypo	CG	-0.69
Gm09	593441	593468	Gmdrm	hypo	CG	-0.9025
Gm09	599069	599139	Gmdrm	hypo	CG	-0.1099
Gm09	633946	634047	Gmdrm	hypo	CG	-0.1417
Gm09	653287	653481	Gmdrm	hypo	CG	-0.9692
Gm09	698650	698941	Gmdrm	hypo	CG	-0.0434
Gm09	705022	705118	Gmdrm	hypo	CG	-0.9638
Gm09	710996	711113	Gmdrm	hypo	CG	-0.9475
Gm09	755287	755602	Gmdrm	hypo	CG	-0.065
Gm09	758048	758198	Gmdrm	hypo	CG	-0.775
Gm09	796719	796771	Gmdrm	hypo	CG	-0.05
Gm09	800149	800403	Gmdrm	hypo	CG	-0.8205
Gm09	800763	800820	Gmdrm	hypo	CG	-0.55
Gm09	803667	803985	Gmdrm	hypo	CG	-0.43
Gm09	821726	821947	Gmdrm	hypo	CG	-0.5187
Gm09	822418	822913	Gmdrm	hypo	CG	-0.1657
Gm09	827427	827536	Gmdrm	hypo	CG	-0.9406
Gm09	834243	834280	Gmdrm	hypo	CG	-0.5
Gm09	834904	834992	Gmdrm	hypo	CG	-0.354
Gm09	847582	847809	Gmdrm	hypo	CG	-0.4178
Gm09	848189	848342	Gmdrm	hypo	CG	-0.184
Gm09	848696	848750	Gmdrm	hypo	CG	-0.6817
Gm09	855863	856135	Gmdrm	hypo	CG	-0.1286
Gm09	951480	951525	Gmdrm	hypo	CG	-0.35
Gm09	969123	969639	Gmdrm	hypo	CG	-0.4595
Gm09	991950	992133	Gmdrm	hypo	CG	-0.578
Gm09	1016690	1016762	Gmdrm	hypo	CG	-0.054
Gm09	1052542	1052684	Gmdrm	hypo	CG	-0.4913
Gm09	1053832	1054007	Gmdrm	hypo	CG	-0.925
Gm09	1066881	1066913	Gmdrm	hypo	CG	-0.536

Gm09	1067475	1067549 Gmdrm	hypo	CG	-0.9384
Gm09	1072831	1073013 Gmdrm	hypo	CG	-0.9575
Gm09	1073184	1073495 Gmdrm	hypo	CG	-0.6075
Gm09	1082858	1082989 Gmdrm	hypo	CG	-0.9317
Gm09	1103817	1103906 Gmdrm	hypo	CG	-0.97
Gm09	1149428	1149518 Gmdrm	hypo	CG	-0.7084
Gm09	1159876	1159997 Gmdrm	hypo	CG	-0.809
Gm09	1209052	1209256 Gmdrm	hypo	CG	-0.2947
Gm09	1214944	1215032 Gmdrm	hypo	CG	-0.714
Gm09	1241922	1242172 Gmdrm	hypo	CG	-0.9478
Gm09	1257995	1258047 Gmdrm	hypo	CG	-0.98
Gm09	1300998	1301115 Gmdrm	hypo	CG	-0.641
Gm09	1312182	1312328 Gmdrm	hypo	CG	-0.196
Gm09	1370133	1370278 Gmdrm	hypo	CG	-0.2367
Gm09	1370879	1370953 Gmdrm	hypo	CG	-0.5029
Gm09	1371456	1371550 Gmdrm	hypo	CG	-0.905
Gm09	1400161	1400289 Gmdrm	hypo	CG	-0.8962
Gm09	1401631	1401809 Gmdrm	hypo	CG	-0.1528
Gm09	1402027	1402114 Gmdrm	hypo	CG	-0.1331
Gm09	1409113	1409276 Gmdrm	hypo	CG	-0.538
Gm09	1409432	1409496 Gmdrm	hypo	CG	-0.6333
Gm09	1419506	1419627 Gmdrm	hypo	CG	-0.7643
Gm09	1419894	1420334 Gmdrm	hypo	CG	-0.1528
Gm09	1463069	1463290 Gmdrm	hypo	CG	-0.0783
Gm09	1472399	1472641 Gmdrm	hypo	CG	-0.6494
Gm09	1473194	1473277 Gmdrm	hypo	CG	-0.6313
Gm09	1473408	1473525 Gmdrm	hypo	CG	-0.8887
Gm09	1491491	1491501 Gmdrm	hypo	CG	-0.5433
Gm09	1491739	1492054 Gmdrm	hypo	CG	-0.4441
Gm09	1593537	1593757 Gmdrm	hypo	CG	-0.6805
Gm09	1620956	1621020 Gmdrm	hypo	CG	-0.0975
Gm09	1659807	1659902 Gmdrm	hypo	CG	-0.3425
Gm09	1676332	1677066 Gmdrm	hypo	CG	-0.0272
Gm09	1710746	1711057 Gmdrm	hypo	CG	-0.7963
Gm09	1711306	1711501 Gmdrm	hypo	CG	-0.2087
Gm09	1716587	1716600 Gmdrm	hypo	CG	-0.6617
Gm09	1726785	1726949 Gmdrm	hypo	CG	-0.42
Gm09	1738900	1739070 Gmdrm	hypo	CG	-0.8514
Gm09	1740670	1740686 Gmdrm	hypo	CG	-0.226
Gm09	1765824	1765896 Gmdrm	hypo	CG	-0.703
Gm09	1815504	1815606 Gmdrm	hypo	CG	-0.2917
Gm09	1816961	1817003 Gmdrm	hypo	CG	-0.5866
Gm09	1846814	1846856 Gmdrm	hypo	CG	-0.1567
Gm09	1860004	1860125 Gmdrm	hypo	CG	-0.0721
Gm09	1892585	1892787 Gmdrm	hypo	CG	-0.775
Gm09	1892990	1893066 Gmdrm	hypo	CG	-0.7567

Gm09	1893261	1893639	Gmdrm	hypo	CG	-0.4293
Gm09	1893765	1893980	Gmdrm	hypo	CG	-0.2225
Gm09	1906969	1907396	Gmdrm	hypo	CG	-0.2594
Gm09	1927541	1927630	Gmdrm	hypo	CG	-0.7213
Gm09	1943653	1943957	Gmdrm	hypo	CG	-0.2608
Gm09	1944058	1944260	Gmdrm	hypo	CG	-0.2069
Gm09	1960621	1960635	Gmdrm	hypo	CG	-0.6083
Gm09	1989443	1989749	Gmdrm	hypo	CG	-0.5246
Gm09	1992064	1992275	Gmdrm	hypo	CG	-0.545
Gm09	1993120	1993178	Gmdrm	hypo	CG	-0.9467
Gm09	1994989	1995058	Gmdrm	hypo	CG	-0.6533
Gm09	2009167	2009407	Gmdrm	hypo	CG	-0.8044
Gm09	2009540	2009686	Gmdrm	hypo	CG	-0.7567
Gm09	2069656	2069746	Gmdrm	hypo	CG	-0.9041
Gm09	2075769	2075892	Gmdrm	hypo	CG	-0.6427
Gm09	2096416	2096423	Gmdrm	hypo	CG	-0.2167
Gm09	2116333	2116359	Gmdrm	hypo	CG	-0.9567
Gm09	2149014	2149347	Gmdrm	hypo	CG	-0.7143
Gm09	2149607	2149759	Gmdrm	hypo	CG	-0.4282
Gm09	2199068	2199289	Gmdrm	hypo	CG	-0.8105
Gm09	2199854	2199993	Gmdrm	hypo	CG	-0.8425
Gm09	2241727	2241745	Gmdrm	hypo	CG	-0.035
Gm09	2250511	2250630	Gmdrm	hypo	CG	-0.4575
Gm09	2278194	2278402	Gmdrm	hypo	CG	-0.022
Gm09	2305518	2305847	Gmdrm	hypo	CG	-0.4384
Gm09	2306234	2306393	Gmdrm	hypo	CG	-0.514
Gm09	2308271	2308647	Gmdrm	hypo	CG	-0.4909
Gm09	2308985	2309145	Gmdrm	hypo	CG	-0.4905
Gm09	2327539	2327753	Gmdrm	hypo	CG	-0.8591
Gm09	2332279	2332823	Gmdrm	hypo	CG	-0.0726
Gm09	2356288	2356422	Gmdrm	hypo	CG	-0.445
Gm09	2366523	2366617	Gmdrm	hypo	CG	-0.8974
Gm09	2366727	2366925	Gmdrm	hypo	CG	-0.5088
Gm09	2377125	2377281	Gmdrm	hypo	CG	-0.0517
Gm09	2395794	2396065	Gmdrm	hypo	CG	-0.8967
Gm09	2396702	2396825	Gmdrm	hypo	CG	-0.96
Gm09	2413776	2413792	Gmdrm	hypo	CG	-0.9467
Gm09	2425517	2425614	Gmdrm	hypo	CG	-0.43
Gm09	2440478	2440576	Gmdrm	hypo	CG	-0.166
Gm09	2440861	2440995	Gmdrm	hypo	CG	-0.9428
Gm09	2447722	2447753	Gmdrm	hypo	CG	-0.847
Gm09	2492540	2492643	Gmdrm	hypo	CG	-0.4675
Gm09	2548763	2548838	Gmdrm	hypo	CG	-0.49
Gm09	2574564	2574689	Gmdrm	hypo	CG	-0.8912
Gm09	2582846	2582998	Gmdrm	hypo	CG	-0.741
Gm09	2596290	2596409	Gmdrm	hypo	CG	-0.57

Gm09	2596759	2596858	Gmdrm	hypo	CG	-0.5683
Gm09	2597215	2597593	Gmdrm	hypo	CG	-0.3464
Gm09	2652547	2652555	Gmdrm	hypo	CG	-0.7184
Gm09	2653902	2654099	Gmdrm	hypo	CG	-0.4108
Gm09	2658214	2658373	Gmdrm	hypo	CG	-0.61
Gm09	2661607	2662084	Gmdrm	hypo	CG	-0.2604
Gm09	2677792	2677864	Gmdrm	hypo	CG	-0.58
Gm09	2678027	2678181	Gmdrm	hypo	CG	-0.683
Gm09	2679112	2679158	Gmdrm	hypo	CG	-0.3166
Gm09	2679404	2679523	Gmdrm	hypo	CG	-0.6825
Gm09	2682625	2682741	Gmdrm	hypo	CG	-0.22
Gm09	2682878	2682932	Gmdrm	hypo	CG	-0.103
Gm09	2703057	2703213	Gmdrm	hypo	CG	-0.3357
Gm09	2705701	2705982	Gmdrm	hypo	CG	-0.9389
Gm09	2716216	2716415	Gmdrm	hypo	CG	-0.7526
Gm09	2763071	2763401	Gmdrm	hypo	CG	-0.3389
Gm09	2763580	2763757	Gmdrm	hypo	CG	-0.736
Gm09	2770738	2771033	Gmdrm	hypo	CG	-0.6568
Gm09	2782512	2782642	Gmdrm	hypo	CG	-0.31
Gm09	2795121	2795328	Gmdrm	hypo	CG	-0.629
Gm09	2798053	2798213	Gmdrm	hypo	CG	-0.9411
Gm09	2808211	2808228	Gmdrm	hypo	CG	-0.2984
Gm09	2815213	2815229	Gmdrm	hypo	CG	-0.9717
Gm09	2819225	2819352	Gmdrm	hypo	CG	-0.0433
Gm09	2820772	2820939	Gmdrm	hypo	CG	-0.8144
Gm09	2825319	2825600	Gmdrm	hypo	CG	-0.348
Gm09	2828428	2828702	Gmdrm	hypo	CG	-0.1457
Gm09	2896295	2896350	Gmdrm	hypo	CG	-0.7225
Gm09	2933907	2934059	Gmdrm	hypo	CG	-0.6366
Gm09	2935336	2935430	Gmdrm	hypo	CG	-0.612
Gm09	2946253	2946689	Gmdrm	hypo	CG	-0.9096
Gm09	2955075	2955226	Gmdrm	hypo	CG	-0.0655
Gm09	2967377	2967473	Gmdrm	hypo	CG	-0.2438
Gm09	2968991	2969149	Gmdrm	hypo	CG	-0.2343
Gm09	3002270	3002342	Gmdrm	hypo	CG	-0.636
Gm09	3002453	3002562	Gmdrm	hypo	CG	-0.6629
Gm09	3015711	3015841	Gmdrm	hypo	CG	-0.7137
Gm09	3027897	3028100	Gmdrm	hypo	CG	-0.4395
Gm09	3033306	3033329	Gmdrm	hypo	CG	-0.9184
Gm09	3040928	3041203	Gmdrm	hypo	CG	-0.775
Gm09	3045956	3046179	Gmdrm	hypo	CG	-0.5956
Gm09	3063541	3063623	Gmdrm	hypo	CG	-0.4233
Gm09	3063745	3063832	Gmdrm	hypo	CG	-0.7534
Gm09	3065723	3065760	Gmdrm	hypo	CG	-0.064
Gm09	3075133	3075230	Gmdrm	hypo	CG	-0.2174
Gm09	3110434	3110534	Gmdrm	hypo	CG	-0.9334

Gm09	3117358	3117625	Gmdrm	hypo	CG	-0.7782
Gm09	3131064	3131201	Gmdrm	hypo	CG	-0.44
Gm09	3131872	3132069	Gmdrm	hypo	CG	-0.5725
Gm09	3159030	3159328	Gmdrm	hypo	CG	-0.0732
Gm09	3167950	3168051	Gmdrm	hypo	CG	-0.939
Gm09	3198983	3199189	Gmdrm	hypo	CG	-0.335
Gm09	3199304	3199354	Gmdrm	hypo	CG	-0.15
Gm09	3234034	3234179	Gmdrm	hypo	CG	-0.035
Gm09	3253490	3253608	Gmdrm	hypo	CG	-0.9296
Gm09	3256546	3256629	Gmdrm	hypo	CG	-0.595
Gm09	3264562	3264836	Gmdrm	hypo	CG	-0.6743
Gm09	3266421	3266782	Gmdrm	hypo	CG	-0.4946
Gm09	3267747	3267829	Gmdrm	hypo	CG	-0.9417
Gm09	3267949	3268094	Gmdrm	hypo	CG	-0.8013
Gm09	3271761	3271895	Gmdrm	hypo	CG	-0.809
Gm09	3295074	3295171	Gmdrm	hypo	CG	-0.6793
Gm09	3295363	3295594	Gmdrm	hypo	CG	-0.718
Gm09	3321940	3321995	Gmdrm	hypo	CG	-0.9742
Gm09	3323583	3323722	Gmdrm	hypo	CG	-0.054
Gm09	3328035	3328191	Gmdrm	hypo	CG	-0.5091
Gm09	3328646	3328886	Gmdrm	hypo	CG	-0.8428
Gm09	3353541	3353591	Gmdrm	hypo	CG	-0.972
Gm09	3372642	3372781	Gmdrm	hypo	CG	-0.592
Gm09	3392651	3392924	Gmdrm	hypo	CG	-0.3922
Gm09	3402892	3403120	Gmdrm	hypo	CG	-0.9725
Gm09	3405515	3405699	Gmdrm	hypo	CG	-0.2019
Gm09	3411846	3411889	Gmdrm	hypo	CG	-0.85
Gm09	3426642	3426737	Gmdrm	hypo	CG	-0.281
Gm09	3452426	3452494	Gmdrm	hypo	CG	-0.965
Gm09	3452604	3452835	Gmdrm	hypo	CG	-0.669
Gm09	3471877	3472182	Gmdrm	hypo	CG	-0.4916
Gm09	3503282	3503470	Gmdrm	hypo	CG	-0.4137
Gm09	3507818	3507913	Gmdrm	hypo	CG	-0.7938
Gm09	3512316	3512397	Gmdrm	hypo	CG	-0.9425
Gm09	3516587	3517360	Gmdrm	hypo	CG	-0.2983
Gm09	3521526	3521605	Gmdrm	hypo	CG	-0.04
Gm09	3528010	3528200	Gmdrm	hypo	CG	-0.6637
Gm09	3528772	3528824	Gmdrm	hypo	CG	-0.1925
Gm09	3536806	3536826	Gmdrm	hypo	CG	-0.2667
Gm09	3558803	3559188	Gmdrm	hypo	CG	-0.2695
Gm09	3580334	3580477	Gmdrm	hypo	CG	-0.4733
Gm09	3586106	3586122	Gmdrm	hypo	CG	-0.69
Gm09	3594416	3594465	Gmdrm	hypo	CG	-0.475
Gm09	3595003	3595256	Gmdrm	hypo	CG	-0.4417
Gm09	3618323	3618383	Gmdrm	hypo	CG	-0.705
Gm09	3631256	3631362	Gmdrm	hypo	CG	-0.724

Gm09	3631574	3631675	Gmdrm	hypo	CG	-0.5662
Gm09	3641752	3641850	Gmdrm	hypo	CG	-0.6057
Gm09	3684023	3684217	Gmdrm	hypo	CG	-0.614
Gm09	3723194	3723280	Gmdrm	hypo	CG	-0.955
Gm09	3736540	3736631	Gmdrm	hypo	CG	-0.345
Gm09	3751236	3751298	Gmdrm	hypo	CG	-0.9017
Gm09	3751657	3751714	Gmdrm	hypo	CG	-0.98
Gm09	3769730	3769813	Gmdrm	hypo	CG	-0.665
Gm09	3770937	3771028	Gmdrm	hypo	CG	-0.397
Gm09	3789864	3789917	Gmdrm	hypo	CG	-0.2363
Gm09	3790081	3790189	Gmdrm	hypo	CG	-0.8062
Gm09	3815307	3815392	Gmdrm	hypo	CG	-0.605
Gm09	3816038	3816176	Gmdrm	hypo	CG	-0.1684
Gm09	3823177	3823227	Gmdrm	hypo	CG	-0.3567
Gm09	3868814	3869057	Gmdrm	hypo	CG	-0.7037
Gm09	3869159	3869216	Gmdrm	hypo	CG	-0.9016
Gm09	3874065	3874221	Gmdrm	hypo	CG	-0.915
Gm09	3875154	3875304	Gmdrm	hypo	CG	-0.0414
Gm09	3882616	3882773	Gmdrm	hypo	CG	-0.53
Gm09	3889377	3889405	Gmdrm	hypo	CG	-0.534
Gm09	3908535	3908557	Gmdrm	hypo	CG	-0.94
Gm09	3909232	3909613	Gmdrm	hypo	CG	-0.6505
Gm09	3914509	3914657	Gmdrm	hypo	CG	-0.1184
Gm09	3921791	3921886	Gmdrm	hypo	CG	-0.7188
Gm09	3928580	3928622	Gmdrm	hypo	CG	-0.83
Gm09	3929052	3929120	Gmdrm	hypo	CG	-0.221
Gm09	3937053	3937184	Gmdrm	hypo	CG	-0.6475
Gm09	3963798	3963996	Gmdrm	hypo	CG	-0.711
Gm09	3965025	3965303	Gmdrm	hypo	CG	-0.47
Gm09	3987439	3987544	Gmdrm	hypo	CG	-0.6625
Gm09	3994733	3994888	Gmdrm	hypo	CG	-0.429
Gm09	4057631	4057899	Gmdrm	hypo	CG	-0.9404
Gm09	4058064	4058124	Gmdrm	hypo	CG	-0.945
Gm09	4075756	4075859	Gmdrm	hypo	CG	-0.2317
Gm09	4082548	4082733	Gmdrm	hypo	CG	-0.19
Gm09	4113189	4113456	Gmdrm	hypo	CG	-0.1569
Gm09	4117905	4118011	Gmdrm	hypo	CG	-0.8217
Gm09	4120595	4120707	Gmdrm	hypo	CG	-0.0923
Gm09	4123808	4124276	Gmdrm	hypo	CG	-0.4244
Gm09	4125172	4125240	Gmdrm	hypo	CG	-0.49
Gm09	4161008	4161223	Gmdrm	hypo	CG	-0.554
Gm09	4179500	4179532	Gmdrm	hypo	CG	-0.88
Gm09	4182572	4182580	Gmdrm	hypo	CG	-0.056
Gm09	4215270	4215447	Gmdrm	hypo	CG	-0.925
Gm09	4225535	4225573	Gmdrm	hypo	CG	-0.5038
Gm09	4229003	4229362	Gmdrm	hypo	CG	-0.88

Gm09	4246752	4246906 Gmdrm	hypo	CG	-0.4845
Gm09	4247100	4247200 Gmdrm	hypo	CG	-0.6717
Gm09	4249824	4249841 Gmdrm	hypo	CG	-0.6863
Gm09	4250065	4250254 Gmdrm	hypo	CG	-0.3537
Gm09	4251601	4251677 Gmdrm	hypo	CG	-0.524
Gm09	4265131	4265369 Gmdrm	hypo	CG	-0.24
Gm09	4297230	4297326 Gmdrm	hypo	CG	-0.9433
Gm09	4336212	4336314 Gmdrm	hypo	CG	-0.725
Gm09	4339548	4339640 Gmdrm	hypo	CG	-0.034
Gm09	4364611	4364858 Gmdrm	hypo	CG	-0.8958
Gm09	4384167	4384338 Gmdrm	hypo	CG	-0.1475
Gm09	4385072	4385184 Gmdrm	hypo	CG	-0.75
Gm09	4388220	4388764 Gmdrm	hypo	CG	-0.1155
Gm09	4401663	4401717 Gmdrm	hypo	CG	-0.7783
Gm09	4409565	4409747 Gmdrm	hypo	CG	-0.4875
Gm09	4410205	4410409 Gmdrm	hypo	CG	-0.404
Gm09	4419131	4419267 Gmdrm	hypo	CG	-0.1222
Gm09	4427615	4427932 Gmdrm	hypo	CG	-0.5936
Gm09	4442153	4442291 Gmdrm	hypo	CG	-0.543
Gm09	4445248	4445329 Gmdrm	hypo	CG	-0.925
Gm09	4451698	4451832 Gmdrm	hypo	CG	-0.6017
Gm09	4472068	4472649 Gmdrm	hypo	CG	-0.1622
Gm09	4476989	4477053 Gmdrm	hypo	CG	-0.5933
Gm09	4494714	4494826 Gmdrm	hypo	CG	-0.9563
Gm09	4499858	4499953 Gmdrm	hypo	CG	-0.695
Gm09	4501191	4501287 Gmdrm	hypo	CG	-0.7925
Gm09	4525964	4526048 Gmdrm	hypo	CG	-0.7267
Gm09	4536819	4537188 Gmdrm	hypo	CG	-0.6793
Gm09	4537347	4537366 Gmdrm	hypo	CG	-0.4284
Gm09	4543830	4544222 Gmdrm	hypo	CG	-0.1793
Gm09	4544325	4544437 Gmdrm	hypo	CG	-0.036
Gm09	4547325	4547392 Gmdrm	hypo	CG	-0.8262
Gm09	4564103	4564198 Gmdrm	hypo	CG	-0.98
Gm09	4574777	4575058 Gmdrm	hypo	CG	-0.1883
Gm09	4575230	4575344 Gmdrm	hypo	CG	-0.5762
Gm09	4608047	4608215 Gmdrm	hypo	CG	-0.032
Gm09	4612802	4612975 Gmdrm	hypo	CG	-0.7475
Gm09	4635836	4635992 Gmdrm	hypo	CG	-0.4178
Gm09	4651522	4651750 Gmdrm	hypo	CG	-0.6141
Gm09	4652204	4652356 Gmdrm	hypo	CG	-0.9412
Gm09	4652541	4652651 Gmdrm	hypo	CG	-0.0483
Gm09	4673947	4674202 Gmdrm	hypo	CG	-0.469
Gm09	4676657	4676884 Gmdrm	hypo	CG	-0.5423
Gm09	4692915	4692997 Gmdrm	hypo	CG	-0.7416
Gm09	4699969	4700064 Gmdrm	hypo	CG	-0.896
Gm09	4700997	4701303 Gmdrm	hypo	CG	-0.5795

Gm09	4710456	4710591	Gmdrm	hypo	CG	-0.3437
Gm09	4723687	4723975	Gmdrm	hypo	CG	-0.47
Gm09	4729090	4729258	Gmdrm	hypo	CG	-0.7313
Gm09	4735613	4735710	Gmdrm	hypo	CG	-0.2266
Gm09	4742440	4742628	Gmdrm	hypo	CG	-0.761
Gm09	4747975	4748240	Gmdrm	hypo	CG	-0.055
Gm09	4758876	4759070	Gmdrm	hypo	CG	-0.4589
Gm09	4761827	4761938	Gmdrm	hypo	CG	-0.3343
Gm09	4769804	4769829	Gmdrm	hypo	CG	-0.8887
Gm09	4770456	4771446	Gmdrm	hypo	CG	-0.0224
Gm09	4802570	4802590	Gmdrm	hypo	CG	-0.815
Gm09	4821899	4822080	Gmdrm	hypo	CG	-0.898
Gm09	4847069	4847090	Gmdrm	hypo	CG	-0.7216
Gm09	4848118	4848332	Gmdrm	hypo	CG	-0.451
Gm09	4850100	4850274	Gmdrm	hypo	CG	-0.1624
Gm09	4851752	4852259	Gmdrm	hypo	CG	-0.5181
Gm09	4873385	4873474	Gmdrm	hypo	CG	-0.35
Gm09	4885812	4885857	Gmdrm	hypo	CG	-0.965
Gm09	4888087	4888680	Gmdrm	hypo	CG	-0.41
Gm09	4898755	4899149	Gmdrm	hypo	CG	-0.8627
Gm09	4905023	4905328	Gmdrm	hypo	CG	-0.0854
Gm09	4935955	4935985	Gmdrm	hypo	CG	-0.095
Gm09	4945660	4945835	Gmdrm	hypo	CG	-0.8772
Gm09	4958719	4958746	Gmdrm	hypo	CG	-0.622
Gm09	4959041	4959066	Gmdrm	hypo	CG	-0.9283
Gm09	4959177	4959266	Gmdrm	hypo	CG	-0.9084
Gm09	4990538	4990704	Gmdrm	hypo	CG	-0.207
Gm09	4990855	4991124	Gmdrm	hypo	CG	-0.6634
Gm09	4991677	4991979	Gmdrm	hypo	CG	-0.3742
Gm09	4994198	4994262	Gmdrm	hypo	CG	-0.1326
Gm09	5006724	5006762	Gmdrm	hypo	CG	-0.8867
Gm09	5020702	5020798	Gmdrm	hypo	CG	-0.33
Gm09	5021448	5021610	Gmdrm	hypo	CG	-0.717
Gm09	5022028	5022245	Gmdrm	hypo	CG	-0.0467
Gm09	5023361	5023395	Gmdrm	hypo	CG	-0.205
Gm09	5032529	5032557	Gmdrm	hypo	CG	-0.7456
Gm09	5052649	5052740	Gmdrm	hypo	CG	-0.044
Gm09	5054245	5054293	Gmdrm	hypo	CG	-0.0767
Gm09	5057552	5057782	Gmdrm	hypo	CG	-0.305
Gm09	5064078	5064174	Gmdrm	hypo	CG	-0.75
Gm09	5070861	5071086	Gmdrm	hypo	CG	-0.697
Gm09	5071227	5071459	Gmdrm	hypo	CG	-0.81
Gm09	5079334	5079412	Gmdrm	hypo	CG	-0.3788
Gm09	5085665	5085810	Gmdrm	hypo	CG	-0.3
Gm09	5104494	5104855	Gmdrm	hypo	CG	-0.0888
Gm09	5125504	5125792	Gmdrm	hypo	CG	-0.3188

Gm09	5162972	5163128	Gmdrm	hypo	CG	-0.424
Gm09	5163329	5163488	Gmdrm	hypo	CG	-0.863
Gm09	5166774	5166833	Gmdrm	hypo	CG	-0.9126
Gm09	5173011	5173178	Gmdrm	hypo	CG	-0.202
Gm09	5174113	5174204	Gmdrm	hypo	CG	-0.5133
Gm09	5175917	5176035	Gmdrm	hypo	CG	-0.7783
Gm09	5177298	5177377	Gmdrm	hypo	CG	-0.2388
Gm09	5188437	5188580	Gmdrm	hypo	CG	-0.6051
Gm09	5190216	5190501	Gmdrm	hypo	CG	-0.1782
Gm09	5225595	5225670	Gmdrm	hypo	CG	-0.8084
Gm09	5275602	5275639	Gmdrm	hypo	CG	-0.4301
Gm09	5277056	5277322	Gmdrm	hypo	CG	-0.0736
Gm09	5277749	5277886	Gmdrm	hypo	CG	-0.4525
Gm09	5280808	5281084	Gmdrm	hypo	CG	-0.9029
Gm09	5281940	5282008	Gmdrm	hypo	CG	-0.5813
Gm09	5282256	5282476	Gmdrm	hypo	CG	-0.8618
Gm09	5316320	5316669	Gmdrm	hypo	CG	-0.2733
Gm09	5325824	5326003	Gmdrm	hypo	CG	-0.7918
Gm09	5359843	5359877	Gmdrm	hypo	CG	-0.9683
Gm09	5361168	5361492	Gmdrm	hypo	CG	-0.8261
Gm09	5362656	5363033	Gmdrm	hypo	CG	-0.1598
Gm09	5390727	5390930	Gmdrm	hypo	CG	-0.8175
Gm09	5401692	5401855	Gmdrm	hypo	CG	-0.7475
Gm09	5402259	5402295	Gmdrm	hypo	CG	-0.3867
Gm09	5425088	5425320	Gmdrm	hypo	CG	-0.4586
Gm09	5473521	5473735	Gmdrm	hypo	CG	-0.431
Gm09	5490945	5491176	Gmdrm	hypo	CG	-0.0673
Gm09	5514748	5514816	Gmdrm	hypo	CG	-0.0566
Gm09	5532001	5532539	Gmdrm	hypo	CG	-0.3512
Gm09	5545583	5545818	Gmdrm	hypo	CG	-0.8433
Gm09	5546869	5547161	Gmdrm	hypo	CG	-0.8333
Gm09	5564600	5565084	Gmdrm	hypo	CG	-0.2407
Gm09	5593601	5593711	Gmdrm	hypo	CG	-0.054
Gm09	5601477	5601670	Gmdrm	hypo	CG	-0.0622
Gm09	5643009	5643200	Gmdrm	hypo	CG	-0.2233
Gm09	5657364	5657664	Gmdrm	hypo	CG	-0.7128
Gm09	5670106	5670371	Gmdrm	hypo	CG	-0.0551
Gm09	5671279	5671502	Gmdrm	hypo	CG	-0.12
Gm09	5701504	5701758	Gmdrm	hypo	CG	-0.4718
Gm09	5717903	5718027	Gmdrm	hypo	CG	-0.9262
Gm09	5722899	5723112	Gmdrm	hypo	CG	-0.2864
Gm09	5728252	5728314	Gmdrm	hypo	CG	-0.314
Gm09	5765411	5765518	Gmdrm	hypo	CG	-0.725
Gm09	5769147	5769259	Gmdrm	hypo	CG	-0.5342
Gm09	5791359	5791671	Gmdrm	hypo	CG	-0.6615
Gm09	5800801	5800932	Gmdrm	hypo	CG	-0.1512

Gm09	5814770	5815038	Gmdrm	hypo	CG	-0.7637
Gm09	5838913	5839224	Gmdrm	hypo	CG	-0.1495
Gm09	5843105	5843194	Gmdrm	hypo	CG	-0.3483
Gm09	5849385	5849470	Gmdrm	hypo	CG	-0.1714
Gm09	5872204	5872477	Gmdrm	hypo	CG	-0.355
Gm09	5902346	5902489	Gmdrm	hypo	CG	-0.738
Gm09	5920845	5920946	Gmdrm	hypo	CG	-0.048
Gm09	5943631	5943774	Gmdrm	hypo	CG	-0.281
Gm09	5956765	5956872	Gmdrm	hypo	CG	-0.1842
Gm09	5961223	5961320	Gmdrm	hypo	CG	-0.93
Gm09	5962388	5962586	Gmdrm	hypo	CG	-0.6778
Gm09	6033503	6033941	Gmdrm	hypo	CG	-0.3406
Gm09	6039907	6039963	Gmdrm	hypo	CG	-0.2233
Gm09	6050452	6050544	Gmdrm	hypo	CG	-0.9017
Gm09	6050827	6051002	Gmdrm	hypo	CG	-0.942
Gm09	6051291	6051420	Gmdrm	hypo	CG	-0.699
Gm09	6056616	6056877	Gmdrm	hypo	CG	-0.1078
Gm09	6057043	6057525	Gmdrm	hypo	CG	-0.1728
Gm09	6067417	6067726	Gmdrm	hypo	CG	-0.3766
Gm09	6077430	6077546	Gmdrm	hypo	CG	-0.894
Gm09	6077866	6077932	Gmdrm	hypo	CG	-0.2317
Gm09	6081061	6081081	Gmdrm	hypo	CG	-0.6417
Gm09	6081277	6081320	Gmdrm	hypo	CG	-0.966
Gm09	6083763	6083936	Gmdrm	hypo	CG	-0.1455
Gm09	6129208	6129486	Gmdrm	hypo	CG	-0.042
Gm09	6144801	6144955	Gmdrm	hypo	CG	-0.0466
Gm09	6160376	6160457	Gmdrm	hypo	CG	-0.9625
Gm09	6160718	6160794	Gmdrm	hypo	CG	-0.9125
Gm09	6201957	6202016	Gmdrm	hypo	CG	-0.1837
Gm09	6208722	6208757	Gmdrm	hypo	CG	-0.4417
Gm09	6218352	6218784	Gmdrm	hypo	CG	-0.095
Gm09	6233399	6233765	Gmdrm	hypo	CG	-0.5671
Gm09	6270508	6270532	Gmdrm	hypo	CG	-0.27
Gm09	6272460	6272734	Gmdrm	hypo	CG	-0.0431
Gm09	6273788	6273860	Gmdrm	hypo	CG	-0.608
Gm09	6273975	6274318	Gmdrm	hypo	CG	-0.6186
Gm09	6274503	6274656	Gmdrm	hypo	CG	-0.4487
Gm09	6276150	6276337	Gmdrm	hypo	CG	-0.5084
Gm09	6280672	6280861	Gmdrm	hypo	CG	-0.7891
Gm09	6281404	6281546	Gmdrm	hypo	CG	-0.772
Gm09	6291228	6291365	Gmdrm	hypo	CG	-0.17
Gm09	6291606	6291663	Gmdrm	hypo	CG	-0.956
Gm09	6300540	6300660	Gmdrm	hypo	CG	-0.3675
Gm09	6311542	6311595	Gmdrm	hypo	CG	-0.035
Gm09	6321504	6321775	Gmdrm	hypo	CG	-0.0841
Gm09	6329083	6329171	Gmdrm	hypo	CG	-0.8134

Gm09	6377735	6377913	Gmdrm	hypo	CG	-0.414
Gm09	6388451	6388538	Gmdrm	hypo	CG	-0.301
Gm09	6398845	6399096	Gmdrm	hypo	CG	-0.3573
Gm09	6433585	6433738	Gmdrm	hypo	CG	-0.4437
Gm09	6454414	6454565	Gmdrm	hypo	CG	-0.4833
Gm09	6513735	6513797	Gmdrm	hypo	CG	-0.645
Gm09	6513931	6514309	Gmdrm	hypo	CG	-0.5653
Gm09	6514414	6514502	Gmdrm	hypo	CG	-0.371
Gm09	6518215	6518333	Gmdrm	hypo	CG	-0.105
Gm09	6566807	6567041	Gmdrm	hypo	CG	-0.6367
Gm09	6573150	6573384	Gmdrm	hypo	CG	-0.3992
Gm09	6586366	6586554	Gmdrm	hypo	CG	-0.038
Gm09	6587490	6587638	Gmdrm	hypo	CG	-0.07
Gm09	6589267	6589647	Gmdrm	hypo	CG	-0.7742
Gm09	6602425	6602659	Gmdrm	hypo	CG	-0.1464
Gm09	6602802	6603212	Gmdrm	hypo	CG	-0.5265
Gm09	6605524	6605753	Gmdrm	hypo	CG	-0.5142
Gm09	6607498	6607696	Gmdrm	hypo	CG	-0.3336
Gm09	6607909	6608071	Gmdrm	hypo	CG	-0.3708
Gm09	6629190	6629518	Gmdrm	hypo	CG	-0.3569
Gm09	6650917	6651067	Gmdrm	hypo	CG	-0.356
Gm09	6651594	6651721	Gmdrm	hypo	CG	-0.24
Gm09	6654364	6654740	Gmdrm	hypo	CG	-0.3495
Gm09	6687338	6687565	Gmdrm	hypo	CG	-0.7325
Gm09	6692838	6692897	Gmdrm	hypo	CG	-0.374
Gm09	6761813	6761873	Gmdrm	hypo	CG	-0.6566
Gm09	6762669	6762784	Gmdrm	hypo	CG	-0.072
Gm09	6763384	6763835	Gmdrm	hypo	CG	-0.4193
Gm09	6778081	6778188	Gmdrm	hypo	CG	-0.2266
Gm09	6778424	6778495	Gmdrm	hypo	CG	-0.424
Gm09	6808193	6808542	Gmdrm	hypo	CG	-0.5842
Gm09	6822324	6822436	Gmdrm	hypo	CG	-0.7693
Gm09	6831448	6831558	Gmdrm	hypo	CG	-0.67
Gm09	6841310	6841372	Gmdrm	hypo	CG	-0.9683
Gm09	6845553	6845637	Gmdrm	hypo	CG	-0.116
Gm09	6846015	6846139	Gmdrm	hypo	CG	-0.565
Gm09	6850032	6850156	Gmdrm	hypo	CG	-0.9512
Gm09	6882503	6882764	Gmdrm	hypo	CG	-0.0363
Gm09	6904045	6904103	Gmdrm	hypo	CG	-0.9175
Gm09	6928023	6928263	Gmdrm	hypo	CG	-0.6678
Gm09	6933452	6933603	Gmdrm	hypo	CG	-0.8807
Gm09	6937445	6937537	Gmdrm	hypo	CG	-0.6867
Gm09	6955638	6955777	Gmdrm	hypo	CG	-0.8868
Gm09	6959749	6960084	Gmdrm	hypo	CG	-0.6063
Gm09	6960195	6960249	Gmdrm	hypo	CG	-0.0633
Gm09	6962364	6962380	Gmdrm	hypo	CG	-0.05

Gm09	6992666	6992830	Gmdrm	hypo	CG	-0.5664
Gm09	7016962	7017220	Gmdrm	hypo	CG	-0.8346
Gm09	7030775	7030933	Gmdrm	hypo	CG	-0.9012
Gm09	7039544	7039596	Gmdrm	hypo	CG	-0.96
Gm09	7046266	7046601	Gmdrm	hypo	CG	-0.06
Gm09	7050290	7050476	Gmdrm	hypo	CG	-0.295
Gm09	7053890	7054558	Gmdrm	hypo	CG	-0.4137
Gm09	7054884	7055238	Gmdrm	hypo	CG	-0.8045
Gm09	7058775	7059101	Gmdrm	hypo	CG	-0.0255
Gm09	7083369	7083807	Gmdrm	hypo	CG	-0.8612
Gm09	7084412	7084546	Gmdrm	hypo	CG	-0.9138
Gm09	7084651	7084872	Gmdrm	hypo	CG	-0.9564
Gm09	7101666	7101803	Gmdrm	hypo	CG	-0.7167
Gm09	7108279	7108359	Gmdrm	hypo	CG	-0.145
Gm09	7136386	7136601	Gmdrm	hypo	CG	-0.7507
Gm09	7137002	7137008	Gmdrm	hypo	CG	-0.3283
Gm09	7150512	7151070	Gmdrm	hypo	CG	-0.1211
Gm09	7154098	7154293	Gmdrm	hypo	CG	-0.0387
Gm09	7156446	7156518	Gmdrm	hypo	CG	-0.161
Gm09	7172566	7172707	Gmdrm	hypo	CG	-0.8925
Gm09	7173069	7173235	Gmdrm	hypo	CG	-0.972
Gm09	7177683	7177801	Gmdrm	hypo	CG	-0.045
Gm09	7206060	7206266	Gmdrm	hypo	CG	-0.0716
Gm09	7207076	7207878	Gmdrm	hypo	CG	-0.21
Gm09	7208106	7208189	Gmdrm	hypo	CG	-0.8583
Gm09	7222039	7222188	Gmdrm	hypo	CG	-0.8
Gm09	7264167	7264387	Gmdrm	hypo	CG	-0.9267
Gm09	7266372	7266517	Gmdrm	hypo	CG	-0.082
Gm09	7267406	7267498	Gmdrm	hypo	CG	-0.3245
Gm09	7273115	7273131	Gmdrm	hypo	CG	-0.488
Gm09	7300395	7300480	Gmdrm	hypo	CG	-0.6025
Gm09	7319936	7320030	Gmdrm	hypo	CG	-0.0533
Gm09	7322827	7322923	Gmdrm	hypo	CG	-0.787
Gm09	7323152	7323528	Gmdrm	hypo	CG	-0.6853
Gm09	7330883	7330997	Gmdrm	hypo	CG	-0.6213
Gm09	7341445	7341615	Gmdrm	hypo	CG	-0.9564
Gm09	7345224	7345489	Gmdrm	hypo	CG	-0.6513
Gm09	7378076	7378496	Gmdrm	hypo	CG	-0.0366
Gm09	7387790	7388018	Gmdrm	hypo	CG	-0.044
Gm09	7389760	7389973	Gmdrm	hypo	CG	-0.799
Gm09	7395761	7395875	Gmdrm	hypo	CG	-0.9149
Gm09	7404247	7404433	Gmdrm	hypo	CG	-0.4163
Gm09	7404852	7405084	Gmdrm	hypo	CG	-0.075
Gm09	7426018	7426697	Gmdrm	hypo	CG	-0.4654
Gm09	7498824	7499127	Gmdrm	hypo	CG	-0.8087
Gm09	7513289	7513533	Gmdrm	hypo	CG	-0.8467

Gm09	7513721	7513875 Gmdrm	hypo	CG	-0.4988
Gm09	7514051	7514121 Gmdrm	hypo	CG	-0.805
Gm09	7519027	7519182 Gmdrm	hypo	CG	-0.695
Gm09	7564359	7564449 Gmdrm	hypo	CG	-0.0963
Gm09	7568000	7568104 Gmdrm	hypo	CG	-0.5157
Gm09	7568309	7568448 Gmdrm	hypo	CG	-0.4262
Gm09	7584694	7585592 Gmdrm	hypo	CG	-0.0692
Gm09	7606689	7606885 Gmdrm	hypo	CG	-0.4575
Gm09	7607629	7607697 Gmdrm	hypo	CG	-0.6516
Gm09	7634020	7634246 Gmdrm	hypo	CG	-0.0806
Gm09	7648596	7648882 Gmdrm	hypo	CG	-0.8787
Gm09	7650738	7650852 Gmdrm	hypo	CG	-0.78
Gm09	7653829	7653922 Gmdrm	hypo	CG	-0.0888
Gm09	7660408	7660620 Gmdrm	hypo	CG	-0.0767
Gm09	7690930	7690945 Gmdrm	hypo	CG	-0.15
Gm09	7757308	7757547 Gmdrm	hypo	CG	-0.0623
Gm09	7758921	7758988 Gmdrm	hypo	CG	-0.1513
Gm09	7766699	7767017 Gmdrm	hypo	CG	-0.3113
Gm09	7774898	7775085 Gmdrm	hypo	CG	-0.9628
Gm09	7778090	7778340 Gmdrm	hypo	CG	-0.109
Gm09	7779746	7779852 Gmdrm	hypo	CG	-0.566
Gm09	7782544	7782787 Gmdrm	hypo	CG	-0.5194
Gm09	7788386	7789033 Gmdrm	hypo	CG	-0.0204
Gm09	7809583	7809716 Gmdrm	hypo	CG	-0.265
Gm09	7878921	7878967 Gmdrm	hypo	CG	-0.592
Gm09	7886704	7886898 Gmdrm	hypo	CG	-0.5
Gm09	7887119	7887348 Gmdrm	hypo	CG	-0.3383
Gm09	7891934	7892216 Gmdrm	hypo	CG	-0.0637
Gm09	7894331	7894653 Gmdrm	hypo	CG	-0.2813
Gm09	7896148	7896273 Gmdrm	hypo	CG	-0.4813
Gm09	7896492	7896546 Gmdrm	hypo	CG	-0.1986
Gm09	7896699	7896924 Gmdrm	hypo	CG	-0.4119
Gm09	7897421	7897468 Gmdrm	hypo	CG	-0.67
Gm09	7898706	7898979 Gmdrm	hypo	CG	-0.303
Gm09	7899139	7899453 Gmdrm	hypo	CG	-0.6236
Gm09	7950702	7950897 Gmdrm	hypo	CG	-0.6488
Gm09	7963048	7963149 Gmdrm	hypo	CG	-0.6417
Gm09	7971618	7972404 Gmdrm	hypo	CG	-0.0309
Gm09	7975506	7975597 Gmdrm	hypo	CG	-0.535
Gm09	8048879	8049759 Gmdrm	hypo	CG	-0.0313
Gm09	8060070	8060156 Gmdrm	hypo	CG	-0.22
Gm09	8060302	8060535 Gmdrm	hypo	CG	-0.525
Gm09	8125033	8125154 Gmdrm	hypo	CG	-0.466
Gm09	8130426	8130830 Gmdrm	hypo	CG	-0.2968
Gm09	8233959	8234254 Gmdrm	hypo	CG	-0.3379
Gm09	8237983	8238266 Gmdrm	hypo	CG	-0.8436

Gm09	8238491	8238565	Gmdrm	hypo	CG	-0.9366
Gm09	8256617	8256715	Gmdrm	hypo	CG	-0.061
Gm09	8270569	8270711	Gmdrm	hypo	CG	-0.7283
Gm09	8281447	8281501	Gmdrm	hypo	CG	-0.4317
Gm09	8294435	8295146	Gmdrm	hypo	CG	-0.0478
Gm09	8332593	8332686	Gmdrm	hypo	CG	-0.3213
Gm09	8337477	8337628	Gmdrm	hypo	CG	-0.068
Gm09	8362905	8363199	Gmdrm	hypo	CG	-0.7412
Gm09	8421028	8421090	Gmdrm	hypo	CG	-0.064
Gm09	8424786	8424920	Gmdrm	hypo	CG	-0.8614
Gm09	8425024	8425185	Gmdrm	hypo	CG	-0.9426
Gm09	8426037	8426492	Gmdrm	hypo	CG	-0.6075
Gm09	8486118	8486298	Gmdrm	hypo	CG	-0.2558
Gm09	8487753	8488231	Gmdrm	hypo	CG	-0.3794
Gm09	8508501	8508612	Gmdrm	hypo	CG	-0.7912
Gm09	8509391	8509612	Gmdrm	hypo	CG	-0.6525
Gm09	8527423	8528085	Gmdrm	hypo	CG	-0.0338
Gm09	8532934	8533022	Gmdrm	hypo	CG	-0.188
Gm09	8545072	8545094	Gmdrm	hypo	CG	-0.1733
Gm09	8545597	8545748	Gmdrm	hypo	CG	-0.919
Gm09	8740578	8740683	Gmdrm	hypo	CG	-0.1033
Gm09	8744287	8744359	Gmdrm	hypo	CG	-0.065
Gm09	8758916	8759006	Gmdrm	hypo	CG	-0.7467
Gm09	8766411	8766565	Gmdrm	hypo	CG	-0.5462
Gm09	8811301	8811411	Gmdrm	hypo	CG	-0.03
Gm09	8819476	8819515	Gmdrm	hypo	CG	-1
Gm09	8844770	8844861	Gmdrm	hypo	CG	-0.9483
Gm09	8861852	8862377	Gmdrm	hypo	CG	-0.1783
Gm09	8915067	8915145	Gmdrm	hypo	CG	-0.0478
Gm09	8928728	8928783	Gmdrm	hypo	CG	-0.8613
Gm09	8937583	8937875	Gmdrm	hypo	CG	-0.0394
Gm09	8941853	8941927	Gmdrm	hypo	CG	-0.045
Gm09	8956404	8956755	Gmdrm	hypo	CG	-0.0942
Gm09	9060797	9060892	Gmdrm	hypo	CG	-0.7487
Gm09	9073971	9074038	Gmdrm	hypo	CG	-0.0812
Gm09	9120997	9121121	Gmdrm	hypo	CG	-0.4783
Gm09	9121526	9121748	Gmdrm	hypo	CG	-0.1
Gm09	9137435	9137831	Gmdrm	hypo	CG	-0.365
Gm09	9137944	9138400	Gmdrm	hypo	CG	-0.1526
Gm09	9169963	9170270	Gmdrm	hypo	CG	-0.463
Gm09	9172172	9172386	Gmdrm	hypo	CG	-0.808
Gm09	9179084	9179283	Gmdrm	hypo	CG	-0.0549
Gm09	9179799	9179937	Gmdrm	hypo	CG	-0.1233
Gm09	9181705	9181824	Gmdrm	hypo	CG	-0.0313
Gm09	9205030	9205304	Gmdrm	hypo	CG	-0.4657
Gm09	9209015	9209201	Gmdrm	hypo	CG	-0.9367

Gm09	9209543	9209650	Gmdrm	hypo	CG	-0.584
Gm09	9245195	9246109	Gmdrm	hypo	CG	-0.0707
Gm09	9248065	9248153	Gmdrm	hypo	CG	-0.3717
Gm09	9249450	9249581	Gmdrm	hypo	CG	-0.555
Gm09	9267523	9267634	Gmdrm	hypo	CG	-0.9607
Gm09	9267821	9267878	Gmdrm	hypo	CG	-0.9167
Gm09	9293930	9294000	Gmdrm	hypo	CG	-0.9167
Gm09	9317856	9318177	Gmdrm	hypo	CG	-0.064
Gm09	9325711	9325780	Gmdrm	hypo	CG	-0.592
Gm09	9326021	9326133	Gmdrm	hypo	CG	-0.732
Gm09	9327220	9327403	Gmdrm	hypo	CG	-0.5914
Gm09	9331384	9331799	Gmdrm	hypo	CG	-0.0308
Gm09	9338691	9338852	Gmdrm	hypo	CG	-0.955
Gm09	9345738	9346102	Gmdrm	hypo	CG	-0.0462
Gm09	9454509	9454618	Gmdrm	hypo	CG	-0.6805
Gm09	9460900	9461003	Gmdrm	hypo	CG	-0.9714
Gm09	9480691	9480793	Gmdrm	hypo	CG	-0.955
Gm09	9481517	9481590	Gmdrm	hypo	CG	-0.76
Gm09	9490953	9491022	Gmdrm	hypo	CG	-0.4537
Gm09	9511563	9511652	Gmdrm	hypo	CG	-0.5389
Gm09	9511938	9512083	Gmdrm	hypo	CG	-0.8857
Gm09	9526435	9526524	Gmdrm	hypo	CG	-0.0343
Gm09	9533555	9533565	Gmdrm	hypo	CG	-0.9333
Gm09	9562540	9562672	Gmdrm	hypo	CG	-0.3192
Gm09	9564189	9564353	Gmdrm	hypo	CG	-0.025
Gm09	9593889	9594040	Gmdrm	hypo	CG	-0.06
Gm09	9621383	9621782	Gmdrm	hypo	CG	-0.17
Gm09	9629870	9629958	Gmdrm	hypo	CG	-0.8333
Gm09	9696385	9696527	Gmdrm	hypo	CG	-0.0725
Gm09	9700266	9700395	Gmdrm	hypo	CG	-0.9512
Gm09	9708636	9708782	Gmdrm	hypo	CG	-0.193
Gm09	9708894	9709229	Gmdrm	hypo	CG	-0.6805
Gm09	9716188	9716372	Gmdrm	hypo	CG	-0.5686
Gm09	9718220	9718300	Gmdrm	hypo	CG	-0.7816
Gm09	9813941	9814276	Gmdrm	hypo	CG	-0.0408
Gm09	9837669	9837897	Gmdrm	hypo	CG	-0.0475
Gm09	9839266	9839363	Gmdrm	hypo	CG	-0.0642
Gm09	9859521	9859627	Gmdrm	hypo	CG	-0.8549
Gm09	9864012	9864069	Gmdrm	hypo	CG	-0.714
Gm09	9864210	9864345	Gmdrm	hypo	CG	-0.4392
Gm09	9865207	9865697	Gmdrm	hypo	CG	-0.034
Gm09	9881846	9882288	Gmdrm	hypo	CG	-0.386
Gm09	9894996	9895011	Gmdrm	hypo	CG	-0.12
Gm09	9903102	9903183	Gmdrm	hypo	CG	-0.9043
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Gm09	9905946	9906365	Gmdrm	hypo	CG	-0.0635

Gm09	9909216	9909236 Gmdrm	hypo	CG	-0.8083
Gm09	9919913	9920148 Gmdrm	hypo	CG	-0.725
Gm09	9920641	9920690 Gmdrm	hypo	CG	-0.23
Gm09	9921119	9921285 Gmdrm	hypo	CG	-0.785
Gm09	9933449	9933549 Gmdrm	hypo	CG	-0.7267
Gm09	9935325	9935432 Gmdrm	hypo	CG	-0.9587
Gm09	9950068	9950127 Gmdrm	hypo	CG	-0.9416
Gm09	9991935	9992081 Gmdrm	hypo	CG	-0.3416
Gm09	10027994	10028087 Gmdrm	hypo	CG	-0.062
Gm09	10069422	10069670 Gmdrm	hypo	CG	-0.0379
Gm09	10202056	10202342 Gmdrm	hypo	CG	-0.1847
Gm09	10223496	10223890 Gmdrm	hypo	CG	-0.4036
Gm09	10227675	10227752 Gmdrm	hypo	CG	-0.9838
Gm09	10246767	10246878 Gmdrm	hypo	CG	-0.925
Gm09	10254564	10254640 Gmdrm	hypo	CG	-0.0821
Gm09	10256358	10256557 Gmdrm	hypo	CG	-0.87
Gm09	10283608	10283854 Gmdrm	hypo	CG	-0.0417
Gm09	10295691	10295770 Gmdrm	hypo	CG	-0.348
Gm09	10298780	10298855 Gmdrm	hypo	CG	-0.1067
Gm09	10299140	10299383 Gmdrm	hypo	CG	-0.215
Gm09	10352337	10352412 Gmdrm	hypo	CG	-0.05
Gm09	10374518	10374747 Gmdrm	hypo	CG	-0.04
Gm09	10380271	10380503 Gmdrm	hypo	CG	-0.3643
Gm09	10384043	10384346 Gmdrm	hypo	CG	-0.172
Gm09	10389682	10389793 Gmdrm	hypo	CG	-0.352
Gm09	10390245	10390537 Gmdrm	hypo	CG	-0.0671
Gm09	10396466	10396483 Gmdrm	hypo	CG	-0.835
Gm09	10458964	10459226 Gmdrm	hypo	CG	-0.23
Gm09	10497779	10498014 Gmdrm	hypo	CG	-0.7938
Gm09	10503048	10503371 Gmdrm	hypo	CG	-0.049
Gm09	10533015	10533103 Gmdrm	hypo	CG	-0.766
Gm09	10586553	10586812 Gmdrm	hypo	CG	-0.0362
Gm09	10587635	10587980 Gmdrm	hypo	CG	-0.23
Gm09	10588130	10588225 Gmdrm	hypo	CG	-0.2933
Gm09	10606799	10606952 Gmdrm	hypo	CG	-0.0616
Gm09	10630442	10630554 Gmdrm	hypo	CG	-0.106
Gm09	10642500	10642705 Gmdrm	hypo	CG	-0.0672
Gm09	10682875	10682915 Gmdrm	hypo	CG	-0.0525
Gm09	10702994	10703800 Gmdrm	hypo	CG	-0.0458
Gm09	10782889	10783039 Gmdrm	hypo	CG	-0.6237
Gm09	10784606	10784681 Gmdrm	hypo	CG	-0.414
Gm09	10784963	10785206 Gmdrm	hypo	CG	-0.0838
Gm09	10785430	10785671 Gmdrm	hypo	CG	-0.603
Gm09	10786606	10786751 Gmdrm	hypo	CG	-0.1037
Gm09	10837909	10838152 Gmdrm	hypo	CG	-0.4019
Gm09	10907028	10907502 Gmdrm	hypo	CG	-0.0514

Gm09	10958056	10958326	Gmdrm	hypo	CG	-0.0633
Gm09	11017222	11017473	Gmdrm	hypo	CG	-0.0675
Gm09	11040766	11041121	Gmdrm	hypo	CG	-0.0471
Gm09	11042386	11042610	Gmdrm	hypo	CG	-0.6141
Gm09	11048987	11049155	Gmdrm	hypo	CG	-0.0569
Gm09	11090513	11090609	Gmdrm	hypo	CG	-0.2033
Gm09	11095908	11096398	Gmdrm	hypo	CG	-0.6091
Gm09	11105671	11105738	Gmdrm	hypo	CG	-0.835
Gm09	11189645	11189794	Gmdrm	hypo	CG	-0.1317
Gm09	11220122	11220144	Gmdrm	hypo	CG	-0.9534
Gm09	11227989	11228003	Gmdrm	hypo	CG	-0.2183
Gm09	11263064	11263195	Gmdrm	hypo	CG	-0.7484
Gm09	11263703	11263845	Gmdrm	hypo	CG	-0.1367
Gm09	11293365	11293636	Gmdrm	hypo	CG	-0.03
Gm09	11352314	11352913	Gmdrm	hypo	CG	-0.3242
Gm09	11419883	11419978	Gmdrm	hypo	CG	-0.0487
Gm09	11442089	11442137	Gmdrm	hypo	CG	-0.3816
Gm09	11453509	11453926	Gmdrm	hypo	CG	-0.4231
Gm09	11471719	11471975	Gmdrm	hypo	CG	-0.578
Gm09	11549928	11549949	Gmdrm	hypo	CG	-0.3867
Gm09	11609399	11609553	Gmdrm	hypo	CG	-0.8817
Gm09	11626855	11626983	Gmdrm	hypo	CG	-0.1
Gm09	11639715	11640102	Gmdrm	hypo	CG	-0.3708
Gm09	11656896	11657228	Gmdrm	hypo	CG	-0.2995
Gm09	11665026	11666019	Gmdrm	hypo	CG	-0.027
Gm09	11667023	11667315	Gmdrm	hypo	CG	-0.065
Gm09	11687383	11687632	Gmdrm	hypo	CG	-0.0475
Gm09	11688879	11689046	Gmdrm	hypo	CG	-0.6114
Gm09	11689150	11689207	Gmdrm	hypo	CG	-0.83
Gm09	11690159	11690219	Gmdrm	hypo	CG	-0.095
Gm09	11697851	11698087	Gmdrm	hypo	CG	-0.04
Gm09	11706350	11706444	Gmdrm	hypo	CG	-0.05
Gm09	11713467	11713630	Gmdrm	hypo	CG	-0.0879
Gm09	11770104	11770588	Gmdrm	hypo	CG	-0.0508
Gm09	11782608	11782811	Gmdrm	hypo	CG	-0.059
Gm09	11785659	11785799	Gmdrm	hypo	CG	-0.2463
Gm09	11790342	11790580	Gmdrm	hypo	CG	-0.488
Gm09	11820637	11821082	Gmdrm	hypo	CG	-0.0625
Gm09	11862226	11862296	Gmdrm	hypo	CG	-0.372
Gm09	11972982	11973644	Gmdrm	hypo	CG	-0.0392
Gm09	11978637	11979572	Gmdrm	hypo	CG	-0.0432
Gm09	12031789	12031846	Gmdrm	hypo	CG	-0.48
Gm09	12035734	12035778	Gmdrm	hypo	CG	-0.05
Gm09	12048841	12049121	Gmdrm	hypo	CG	-0.0625
Gm09	12062171	12062341	Gmdrm	hypo	CG	-0.6817
Gm09	12086642	12086776	Gmdrm	hypo	CG	-0.042

Gm09	12101351	12101385	Gmdrm	hypo	CG	-0.9075
Gm09	12114469	12114495	Gmdrm	hypo	CG	-0.8675
Gm09	12116799	12116903	Gmdrm	hypo	CG	-0.2275
Gm09	12163004	12163282	Gmdrm	hypo	CG	-0.2795
Gm09	12173007	12173254	Gmdrm	hypo	CG	-0.0763
Gm09	12179206	12179589	Gmdrm	hypo	CG	-0.0804
Gm09	12186496	12186620	Gmdrm	hypo	CG	-0.485
Gm09	12268190	12268386	Gmdrm	hypo	CG	-0.0483
Gm09	12313235	12313370	Gmdrm	hypo	CG	-0.71
Gm09	12314907	12315191	Gmdrm	hypo	CG	-0.8947
Gm09	12319399	12319651	Gmdrm	hypo	CG	-0.6686
Gm09	12334557	12334762	Gmdrm	hypo	CG	-0.0633
Gm09	12367552	12367750	Gmdrm	hypo	CG	-0.6333
Gm09	12397371	12397435	Gmdrm	hypo	CG	-0.81
Gm09	12397828	12397938	Gmdrm	hypo	CG	-0.875
Gm09	12458419	12458771	Gmdrm	hypo	CG	-0.0328
Gm09	12461613	12461726	Gmdrm	hypo	CG	-0.4517
Gm09	12469541	12470025	Gmdrm	hypo	CG	-0.2314
Gm09	12470549	12471031	Gmdrm	hypo	CG	-0.1336
Gm09	12477292	12477652	Gmdrm	hypo	CG	-0.5716
Gm09	12483367	12483902	Gmdrm	hypo	CG	-0.3544
Gm09	12527562	12527856	Gmdrm	hypo	CG	-0.1652
Gm09	12543665	12544098	Gmdrm	hypo	CG	-0.3189
Gm09	12641456	12641622	Gmdrm	hypo	CG	-0.0533
Gm09	12658904	12659034	Gmdrm	hypo	CG	-0.6037
Gm09	12726039	12726310	Gmdrm	hypo	CG	-0.28
Gm09	12735195	12735675	Gmdrm	hypo	CG	-0.0196
Gm09	12736944	12737072	Gmdrm	hypo	CG	-0.9313
Gm09	12738821	12738861	Gmdrm	hypo	CG	-0.796
Gm09	12739097	12739229	Gmdrm	hypo	CG	-0.6171
Gm09	12739750	12739941	Gmdrm	hypo	CG	-0.85
Gm09	12746072	12746133	Gmdrm	hypo	CG	-0.0829
Gm09	12772939	12773201	Gmdrm	hypo	CG	-0.259
Gm09	12773303	12773681	Gmdrm	hypo	CG	-0.2393
Gm09	12775418	12775476	Gmdrm	hypo	CG	-0.56
Gm09	12778570	12778666	Gmdrm	hypo	CG	-0.985
Gm09	12781757	12781903	Gmdrm	hypo	CG	-0.0717
Gm09	12784897	12784989	Gmdrm	hypo	CG	-0.0467
Gm09	12814564	12814922	Gmdrm	hypo	CG	-0.0623
Gm09	12815607	12815620	Gmdrm	hypo	CG	-0.5713
Gm09	12819105	12819259	Gmdrm	hypo	CG	-0.6733
Gm09	12829601	12829848	Gmdrm	hypo	CG	-0.2629
Gm09	12834292	12834394	Gmdrm	hypo	CG	-0.2916
Gm09	12836377	12836402	Gmdrm	hypo	CG	-0.1263
Gm09	12836534	12836734	Gmdrm	hypo	CG	-0.1328
Gm09	12837429	12837494	Gmdrm	hypo	CG	-0.8937

Gm09	12848882	12849123	Gmdrm	hypo	CG	-0.5025
Gm09	12856437	12856537	Gmdrm	hypo	CG	-0.4417
Gm09	12858993	12859075	Gmdrm	hypo	CG	-0.025
Gm09	12865608	12865845	Gmdrm	hypo	CG	-0.033
Gm09	12873120	12873150	Gmdrm	hypo	CG	-0.0575
Gm09	12876383	12877235	Gmdrm	hypo	CG	-0.0235
Gm09	12892975	12893189	Gmdrm	hypo	CG	-0.1016
Gm09	12903358	12903468	Gmdrm	hypo	CG	-0.7351
Gm09	12970843	12970905	Gmdrm	hypo	CG	-0.1283
Gm09	12971560	12971888	Gmdrm	hypo	CG	-0.9494
Gm09	12998346	12998677	Gmdrm	hypo	CG	-0.0826
Gm09	13049558	13049855	Gmdrm	hypo	CG	-0.083
Gm09	13112742	13113282	Gmdrm	hypo	CG	-0.0354
Gm09	13172711	13172797	Gmdrm	hypo	CG	-0.18
Gm09	13189463	13189605	Gmdrm	hypo	CG	-0.678
Gm09	13207350	13207386	Gmdrm	hypo	CG	-0.0934
Gm09	13207504	13207549	Gmdrm	hypo	CG	-0.4766
Gm09	13207684	13207976	Gmdrm	hypo	CG	-0.1144
Gm09	13208107	13208289	Gmdrm	hypo	CG	-0.0314
Gm09	13254292	13254477	Gmdrm	hypo	CG	-0.0643
Gm09	13350331	13350506	Gmdrm	hypo	CG	-0.876
Gm09	13386407	13386708	Gmdrm	hypo	CG	-0.0536
Gm09	13446323	13446427	Gmdrm	hypo	CG	-0.1383
Gm09	13536747	13536851	Gmdrm	hypo	CG	-0.2118
Gm09	13537482	13537542	Gmdrm	hypo	CG	-0.7883
Gm09	13552952	13553557	Gmdrm	hypo	CG	-0.0329
Gm09	13661014	13661191	Gmdrm	hypo	CG	-0.025
Gm09	13745845	13745970	Gmdrm	hypo	CG	-0.782
Gm09	13746085	13746116	Gmdrm	hypo	CG	-0.9033
Gm09	13777832	13778827	Gmdrm	hypo	CG	-0.0292
Gm09	13817628	13817738	Gmdrm	hypo	CG	-0.185
Gm09	13894504	13894727	Gmdrm	hypo	CG	-0.437
Gm09	13920326	13920421	Gmdrm	hypo	CG	-0.0675
Gm09	13929526	13929666	Gmdrm	hypo	CG	-0.0922
Gm09	13948222	13948253	Gmdrm	hypo	CG	-0.352
Gm09	13970812	13970920	Gmdrm	hypo	CG	-0.9801
Gm09	13988162	13988277	Gmdrm	hypo	CG	-0.9467
Gm09	14006591	14006628	Gmdrm	hypo	CG	-0.0967
Gm09	14057224	14058216	Gmdrm	hypo	CG	-0.031
Gm09	14286353	14286549	Gmdrm	hypo	CG	-0.09
Gm09	14378436	14378465	Gmdrm	hypo	CG	-0.095
Gm09	14526889	14527115	Gmdrm	hypo	CG	-0.5623
Gm09	14533270	14533378	Gmdrm	hypo	CG	-0.092
Gm09	14537393	14537465	Gmdrm	hypo	CG	-0.5013
Gm09	14543295	14543975	Gmdrm	hypo	CG	-0.034
Gm09	14553055	14553213	Gmdrm	hypo	CG	-0.062

Gm09	14561217	14561470	Gmdrm	hypo	CG	-0.0842
Gm09	14572596	14572749	Gmdrm	hypo	CG	-0.1556
Gm09	14591696	14591783	Gmdrm	hypo	CG	-0.955
Gm09	14604303	14604616	Gmdrm	hypo	CG	-0.0524
Gm09	14751834	14752052	Gmdrm	hypo	CG	-0.079
Gm09	14816437	14817431	Gmdrm	hypo	CG	-0.0586
Gm09	14826315	14826464	Gmdrm	hypo	CG	-0.0683
Gm09	14835010	14835062	Gmdrm	hypo	CG	-0.052
Gm09	14914525	14914783	Gmdrm	hypo	CG	-0.5
Gm09	14917581	14917715	Gmdrm	hypo	CG	-0.3475
Gm09	14921936	14922037	Gmdrm	hypo	CG	-0.9387
Gm09	14938453	14938808	Gmdrm	hypo	CG	-0.052
Gm09	14966806	14967073	Gmdrm	hypo	CG	-0.0816
Gm09	14979521	14980133	Gmdrm	hypo	CG	-0.0518
Gm09	15032066	15032087	Gmdrm	hypo	CG	-0.518
Gm09	15039085	15039402	Gmdrm	hypo	CG	-0.627
Gm09	15065812	15065892	Gmdrm	hypo	CG	-0.1214
Gm09	15190466	15190766	Gmdrm	hypo	CG	-0.0818
Gm09	15340605	15340854	Gmdrm	hypo	CG	-0.0525
Gm09	15370537	15370940	Gmdrm	hypo	CG	-0.1991
Gm09	15420918	15421014	Gmdrm	hypo	CG	-0.3033
Gm09	15421134	15421289	Gmdrm	hypo	CG	-0.198
Gm09	15421780	15421911	Gmdrm	hypo	CG	-0.3487
Gm09	15422879	15423241	Gmdrm	hypo	CG	-0.41
Gm09	15432763	15432949	Gmdrm	hypo	CG	-0.4724
Gm09	15433908	15433985	Gmdrm	hypo	CG	-0.7033
Gm09	15467579	15467739	Gmdrm	hypo	CG	-0.2706
Gm09	15468252	15468999	Gmdrm	hypo	CG	-0.0328
Gm09	15486454	15486829	Gmdrm	hypo	CG	-0.0869
Gm09	15665572	15665722	Gmdrm	hypo	CG	-0.09
Gm09	15719498	15720173	Gmdrm	hypo	CG	-0.0373
Gm09	15842316	15842420	Gmdrm	hypo	CG	-0.1684
Gm09	15944591	15944760	Gmdrm	hypo	CG	-0.5178
Gm09	15970443	15971008	Gmdrm	hypo	CG	-0.0308
Gm09	15982392	15983354	Gmdrm	hypo	CG	-0.0365
Gm09	15990196	15991176	Gmdrm	hypo	CG	-0.0277
Gm09	16015145	16015193	Gmdrm	hypo	CG	-0.0983
Gm09	16020713	16020803	Gmdrm	hypo	CG	-0.0726
Gm09	16029142	16030135	Gmdrm	hypo	CG	-0.037
Gm09	16033505	16033724	Gmdrm	hypo	CG	-0.071
Gm09	16087591	16087887	Gmdrm	hypo	CG	-0.1015
Gm09	16189825	16190571	Gmdrm	hypo	CG	-0.0669
Gm09	16277148	16277813	Gmdrm	hypo	CG	-0.0242
Gm09	16280859	16280922	Gmdrm	hypo	CG	-0.5025
Gm09	16281208	16281333	Gmdrm	hypo	CG	-0.1284
Gm09	16284238	16284531	Gmdrm	hypo	CG	-0.071

Gm09	16322193	16322295	Gmdrm	hypo	CG	-0.1255
Gm09	16374610	16375571	Gmdrm	hypo	CG	-0.0453
Gm09	16379961	16380286	Gmdrm	hypo	CG	-0.0658
Gm09	16384965	16385695	Gmdrm	hypo	CG	-0.0395
Gm09	16487566	16487961	Gmdrm	hypo	CG	-0.0844
Gm09	16513712	16513796	Gmdrm	hypo	CG	-0.2584
Gm09	16522442	16523312	Gmdrm	hypo	CG	-0.0423
Gm09	16542014	16542147	Gmdrm	hypo	CG	-0.1338
Gm09	16642220	16643211	Gmdrm	hypo	CG	-0.0334
Gm09	16680041	16680134	Gmdrm	hypo	CG	-0.855
Gm09	16686757	16686899	Gmdrm	hypo	CG	-0.5583
Gm09	16706498	16706993	Gmdrm	hypo	CG	-0.0538
Gm09	16799569	16799635	Gmdrm	hypo	CG	-0.9517
Gm09	16800971	16801061	Gmdrm	hypo	CG	-0.63
Gm09	16944882	16945103	Gmdrm	hypo	CG	-0.0622
Gm09	17011844	17012314	Gmdrm	hypo	CG	-0.0553
Gm09	17019405	17019754	Gmdrm	hypo	CG	-0.0264
Gm09	17199397	17199519	Gmdrm	hypo	CG	-0.0779
Gm09	17228916	17229012	Gmdrm	hypo	CG	-0.7
Gm09	17252928	17253184	Gmdrm	hypo	CG	-0.1055
Gm09	17265328	17265537	Gmdrm	hypo	CG	-0.0633
Gm09	17392666	17392762	Gmdrm	hypo	CG	-0.182
Gm09	17419338	17419376	Gmdrm	hypo	CG	-0.768
Gm09	17423880	17424026	Gmdrm	hypo	CG	-0.5386
Gm09	17500586	17500737	Gmdrm	hypo	CG	-0.0587
Gm09	17530803	17531121	Gmdrm	hypo	CG	-0.0936
Gm09	17628624	17628689	Gmdrm	hypo	CG	-0.2213
Gm09	17636160	17636301	Gmdrm	hypo	CG	-0.185
Gm09	17650107	17650223	Gmdrm	hypo	CG	-0.0314
Gm09	17681563	17681696	Gmdrm	hypo	CG	-0.031
Gm09	17710653	17710788	Gmdrm	hypo	CG	-0.0392
Gm09	18009213	18009736	Gmdrm	hypo	CG	-0.0977
Gm09	18048740	18049462	Gmdrm	hypo	CG	-0.542
Gm09	18053212	18053315	Gmdrm	hypo	CG	-0.95
Gm09	18070420	18070960	Gmdrm	hypo	CG	-0.04
Gm09	18075057	18075288	Gmdrm	hypo	CG	-0.134
Gm09	18091748	18091926	Gmdrm	hypo	CG	-0.215
Gm09	18098999	18099069	Gmdrm	hypo	CG	-0.895
Gm09	18113702	18113894	Gmdrm	hypo	CG	-0.4717
Gm09	18139581	18139912	Gmdrm	hypo	CG	-0.0339
Gm09	18140711	18140808	Gmdrm	hypo	CG	-0.5017
Gm09	18169371	18169789	Gmdrm	hypo	CG	-0.0653
Gm09	18179027	18179618	Gmdrm	hypo	CG	-0.0609
Gm09	18182096	18182239	Gmdrm	hypo	CG	-0.6487
Gm09	18198452	18198548	Gmdrm	hypo	CG	-0.6483
Gm09	18240290	18240667	Gmdrm	hypo	CG	-0.3073

Gm09	18265076	18265261	Gmdrm	hypo	CG	-0.056
Gm09	18266841	18266977	Gmdrm	hypo	CG	-0.088
Gm09	18277038	18277655	Gmdrm	hypo	CG	-0.0453
Gm09	18287840	18288823	Gmdrm	hypo	CG	-0.045
Gm09	18318022	18318120	Gmdrm	hypo	CG	-0.0894
Gm09	18402645	18402855	Gmdrm	hypo	CG	-0.0857
Gm09	18407600	18407829	Gmdrm	hypo	CG	-0.1562
Gm09	18444680	18444815	Gmdrm	hypo	CG	-0.6734
Gm09	18445034	18445341	Gmdrm	hypo	CG	-0.327
Gm09	18450089	18450416	Gmdrm	hypo	CG	-0.215
Gm09	18474059	18474163	Gmdrm	hypo	CG	-0.3689
Gm09	18498042	18498113	Gmdrm	hypo	CG	-0.0525
Gm09	18556912	18556926	Gmdrm	hypo	CG	-0.13
Gm09	18589419	18590405	Gmdrm	hypo	CG	-0.0446
Gm09	18635282	18635382	Gmdrm	hypo	CG	-0.645
Gm09	18648941	18649014	Gmdrm	hypo	CG	-0.6434
Gm09	18653454	18653645	Gmdrm	hypo	CG	-0.7892
Gm09	18654322	18654343	Gmdrm	hypo	CG	-0.4333
Gm09	18675403	18675506	Gmdrm	hypo	CG	-0.3411
Gm09	18714384	18714520	Gmdrm	hypo	CG	-0.067
Gm09	18750449	18750637	Gmdrm	hypo	CG	-0.0381
Gm09	18760785	18760847	Gmdrm	hypo	CG	-0.0625
Gm09	18764841	18764864	Gmdrm	hypo	CG	-0.095
Gm09	18800937	18801148	Gmdrm	hypo	CG	-0.1187
Gm09	18809794	18810243	Gmdrm	hypo	CG	-0.0587
Gm09	18824925	18825069	Gmdrm	hypo	CG	-0.0658
Gm09	18833391	18833934	Gmdrm	hypo	CG	-0.0508
Gm09	18835756	18835912	Gmdrm	hypo	CG	-0.915
Gm09	18836335	18836828	Gmdrm	hypo	CG	-0.4657
Gm09	18836954	18837110	Gmdrm	hypo	CG	-0.835
Gm09	18875803	18875993	Gmdrm	hypo	CG	-0.865
Gm09	18880031	18880172	Gmdrm	hypo	CG	-0.91
Gm09	18898231	18898346	Gmdrm	hypo	CG	-0.778
Gm09	18898850	18898998	Gmdrm	hypo	CG	-0.8437
Gm09	18900281	18900369	Gmdrm	hypo	CG	-0.05
Gm09	18903236	18903366	Gmdrm	hypo	CG	-0.2
Gm09	18913872	18913990	Gmdrm	hypo	CG	-0.4716
Gm09	18970457	18970553	Gmdrm	hypo	CG	-0.17
Gm09	18970752	18970878	Gmdrm	hypo	CG	-0.2524
Gm09	18971841	18972015	Gmdrm	hypo	CG	-0.306
Gm09	18995245	18995381	Gmdrm	hypo	CG	-0.6475
Gm09	19072697	19072918	Gmdrm	hypo	CG	-0.4158
Gm09	19088415	19088562	Gmdrm	hypo	CG	-0.405
Gm09	19089689	19089822	Gmdrm	hypo	CG	-0.5182
Gm09	19109303	19109618	Gmdrm	hypo	CG	-0.0443
Gm09	19126475	19126567	Gmdrm	hypo	CG	-0.0533

Gm09	19146442	19146475	Gmdrm	hypo	CG	-0.7475
Gm09	19221096	19221404	Gmdrm	hypo	CG	-0.0477
Gm09	19348688	19348733	Gmdrm	hypo	CG	-0.32
Gm09	19353614	19353710	Gmdrm	hypo	CG	-0.1
Gm09	19355465	19355543	Gmdrm	hypo	CG	-0.035
Gm09	19418673	19419257	Gmdrm	hypo	CG	-0.0273
Gm09	19422626	19422799	Gmdrm	hypo	CG	-0.6175
Gm09	19444729	19444770	Gmdrm	hypo	CG	-0.2537
Gm09	19445249	19445298	Gmdrm	hypo	CG	-0.1237
Gm09	19485616	19485716	Gmdrm	hypo	CG	-0.0646
Gm09	19486038	19486178	Gmdrm	hypo	CG	-0.5525
Gm09	19562355	19562465	Gmdrm	hypo	CG	-0.0525
Gm09	19584580	19585078	Gmdrm	hypo	CG	-0.0327
Gm09	19609554	19609674	Gmdrm	hypo	CG	-0.9658
Gm09	19609935	19610067	Gmdrm	hypo	CG	-0.8233
Gm09	19614793	19614910	Gmdrm	hypo	CG	-0.0515
Gm09	19617592	19617821	Gmdrm	hypo	CG	-0.535
Gm09	19618573	19618658	Gmdrm	hypo	CG	-0.355
Gm09	19642964	19643171	Gmdrm	hypo	CG	-0.6975
Gm09	19655477	19655530	Gmdrm	hypo	CG	-0.7517
Gm09	19676491	19676718	Gmdrm	hypo	CG	-0.0656
Gm09	19706000	19706423	Gmdrm	hypo	CG	-0.6511
Gm09	19711868	19711971	Gmdrm	hypo	CG	-0.615
Gm09	19715500	19715678	Gmdrm	hypo	CG	-0.053
Gm09	19768212	19768577	Gmdrm	hypo	CG	-0.0593
Gm09	19833182	19833275	Gmdrm	hypo	CG	-0.06
Gm09	19833870	19834044	Gmdrm	hypo	CG	-0.05
Gm09	19879106	19879454	Gmdrm	hypo	CG	-0.2063
Gm09	19880429	19880694	Gmdrm	hypo	CG	-0.1985
Gm09	19901528	19901550	Gmdrm	hypo	CG	-0.6417
Gm09	19988332	19988376	Gmdrm	hypo	CG	-0.144
Gm09	20018802	20019252	Gmdrm	hypo	CG	-0.315
Gm09	20021389	20021457	Gmdrm	hypo	CG	-0.21
Gm09	20060131	20060683	Gmdrm	hypo	CG	-0.0467
Gm09	20080551	20080607	Gmdrm	hypo	CG	-0.0755
Gm09	20144163	20144296	Gmdrm	hypo	CG	-0.0533
Gm09	20166950	20167637	Gmdrm	hypo	CG	-0.0403
Gm09	20223134	20223163	Gmdrm	hypo	CG	-0.06
Gm09	20299002	20299200	Gmdrm	hypo	CG	-0.0979
Gm09	20308061	20308229	Gmdrm	hypo	CG	-0.0578
Gm09	20321989	20322159	Gmdrm	hypo	CG	-0.079
Gm09	20328174	20328550	Gmdrm	hypo	CG	-0.3205
Gm09	20346577	20346950	Gmdrm	hypo	CG	-0.1619
Gm09	20384314	20384407	Gmdrm	hypo	CG	-0.054
Gm09	20567896	20567973	Gmdrm	hypo	CG	-0.074
Gm09	20573758	20573786	Gmdrm	hypo	CG	-0.6

Gm09	20574688	20574959	Gmdrm	hypo	CG	-0.2
Gm09	20619481	20619623	Gmdrm	hypo	CG	-0.4316
Gm09	20620428	20620869	Gmdrm	hypo	CG	-0.7388
Gm09	20644164	20644195	Gmdrm	hypo	CG	-0.3283
Gm09	20649462	20649576	Gmdrm	hypo	CG	-0.9685
Gm09	20649745	20649826	Gmdrm	hypo	CG	-0.9516
Gm09	20653033	20653073	Gmdrm	hypo	CG	-0.5817
Gm09	20663894	20664097	Gmdrm	hypo	CG	-0.0633
Gm09	20715030	20715180	Gmdrm	hypo	CG	-0.4862
Gm09	20715438	20715543	Gmdrm	hypo	CG	-0.1638
Gm09	20737232	20737595	Gmdrm	hypo	CG	-0.0554
Gm09	20801041	20801483	Gmdrm	hypo	CG	-0.044
Gm09	20828349	20828562	Gmdrm	hypo	CG	-0.485
Gm09	20884072	20884146	Gmdrm	hypo	CG	-0.1312
Gm09	20894363	20894383	Gmdrm	hypo	CG	-0.0634
Gm09	20929762	20930325	Gmdrm	hypo	CG	-0.0315
Gm09	20941756	20942753	Gmdrm	hypo	CG	-0.1124
Gm09	20981174	20981298	Gmdrm	hypo	CG	-0.0428
Gm09	20994581	20994608	Gmdrm	hypo	CG	-0.1288
Gm09	21005388	21005416	Gmdrm	hypo	CG	-0.9117
Gm09	21005767	21005839	Gmdrm	hypo	CG	-0.8751
Gm09	21010329	21010536	Gmdrm	hypo	CG	-0.1356
Gm09	21011978	21012299	Gmdrm	hypo	CG	-0.0357
Gm09	21036800	21036885	Gmdrm	hypo	CG	-0.16
Gm09	21043797	21043955	Gmdrm	hypo	CG	-0.068
Gm09	21061524	21061754	Gmdrm	hypo	CG	-0.0864
Gm09	21068781	21068865	Gmdrm	hypo	CG	-0.6549
Gm09	21071626	21071888	Gmdrm	hypo	CG	-0.5942
Gm09	21125531	21125619	Gmdrm	hypo	CG	-0.0525
Gm09	21129060	21129442	Gmdrm	hypo	CG	-0.7219
Gm09	21129638	21130276	Gmdrm	hypo	CG	-0.4206
Gm09	21136324	21136420	Gmdrm	hypo	CG	-0.9412
Gm09	21140060	21140115	Gmdrm	hypo	CG	-0.6784
Gm09	21168536	21168872	Gmdrm	hypo	CG	-0.3097
Gm09	21169215	21169305	Gmdrm	hypo	CG	-0.1137
Gm09	21179408	21179542	Gmdrm	hypo	CG	-0.885
Gm09	21180436	21180574	Gmdrm	hypo	CG	-0.965
Gm09	21180825	21180993	Gmdrm	hypo	CG	-0.3637
Gm09	21192586	21192945	Gmdrm	hypo	CG	-0.0342
Gm09	21210178	21210566	Gmdrm	hypo	CG	-0.726
Gm09	21225424	21225780	Gmdrm	hypo	CG	-0.5749
Gm09	21225888	21226001	Gmdrm	hypo	CG	-0.723
Gm09	21227846	21227939	Gmdrm	hypo	CG	-0.2788
Gm09	21308359	21308499	Gmdrm	hypo	CG	-0.855
Gm09	21312147	21312249	Gmdrm	hypo	CG	-0.796
Gm09	21347543	21347711	Gmdrm	hypo	CG	-0.0911

Gm09	21361134	21361420	Gmdrm	hypo	CG	-0.0636
Gm09	21368103	21368280	Gmdrm	hypo	CG	-0.0586
Gm09	21387097	21387243	Gmdrm	hypo	CG	-0.961
Gm09	21408708	21408844	Gmdrm	hypo	CG	-0.1275
Gm09	21444766	21445604	Gmdrm	hypo	CG	-0.0591
Gm09	21446248	21446313	Gmdrm	hypo	CG	-0.2
Gm09	21446770	21446961	Gmdrm	hypo	CG	-0.8443
Gm09	21491350	21491595	Gmdrm	hypo	CG	-0.0831
Gm09	21514897	21515028	Gmdrm	hypo	CG	-0.1275
Gm09	21540275	21540432	Gmdrm	hypo	CG	-0.042
Gm09	21568017	21568159	Gmdrm	hypo	CG	-0.5633
Gm09	21569656	21569804	Gmdrm	hypo	CG	-0.847
Gm09	21569917	21570009	Gmdrm	hypo	CG	-0.3284
Gm09	21594405	21594520	Gmdrm	hypo	CG	-0.195
Gm09	21610629	21611127	Gmdrm	hypo	CG	-0.0332
Gm09	21686925	21687245	Gmdrm	hypo	CG	-0.9083
Gm09	21710425	21710524	Gmdrm	hypo	CG	-0.03
Gm09	21713580	21713902	Gmdrm	hypo	CG	-0.4156
Gm09	21714292	21714485	Gmdrm	hypo	CG	-0.4644
Gm09	21714747	21714834	Gmdrm	hypo	CG	-0.9163
Gm09	21717605	21717923	Gmdrm	hypo	CG	-0.7134
Gm09	21720573	21720829	Gmdrm	hypo	CG	-0.9078
Gm09	21723085	21723215	Gmdrm	hypo	CG	-0.72
Gm09	21756709	21756810	Gmdrm	hypo	CG	-0.1767
Gm09	21781465	21781895	Gmdrm	hypo	CG	-0.4193
Gm09	21848867	21849001	Gmdrm	hypo	CG	-0.0369
Gm09	21860567	21860725	Gmdrm	hypo	CG	-0.11
Gm09	21874818	21875096	Gmdrm	hypo	CG	-0.0728
Gm09	21992918	21993166	Gmdrm	hypo	CG	-0.057
Gm09	22003390	22003501	Gmdrm	hypo	CG	-0.0743
Gm09	22036312	22036900	Gmdrm	hypo	CG	-0.0391
Gm09	22048721	22048759	Gmdrm	hypo	CG	-0.19
Gm09	22065045	22066023	Gmdrm	hypo	CG	-0.0277
Gm09	22105638	22106284	Gmdrm	hypo	CG	-0.0322
Gm09	22154716	22155361	Gmdrm	hypo	CG	-0.0359
Gm09	22170313	22171254	Gmdrm	hypo	CG	-0.0254
Gm09	22207836	22207995	Gmdrm	hypo	CG	-0.04
Gm09	22275968	22276195	Gmdrm	hypo	CG	-0.0748
Gm09	22444636	22444685	Gmdrm	hypo	CG	-0.175
Gm09	22445900	22446371	Gmdrm	hypo	CG	-0.0555
Gm09	22527055	22527266	Gmdrm	hypo	CG	-0.0679
Gm09	22528268	22528337	Gmdrm	hypo	CG	-0.3862
Gm09	22532979	22533206	Gmdrm	hypo	CG	-0.2865
Gm09	22535105	22535394	Gmdrm	hypo	CG	-0.8372
Gm09	22536718	22536820	Gmdrm	hypo	CG	-0.94
Gm09	22541279	22541556	Gmdrm	hypo	CG	-0.6022

Gm09	22583219	22583784	Gmdrm	hypo	CG	-0.0311
Gm09	22726682	22726920	Gmdrm	hypo	CG	-0.0982
Gm09	23049838	23049920	Gmdrm	hypo	CG	-0.1067
Gm09	23083898	23084564	Gmdrm	hypo	CG	-0.0526
Gm09	23218964	23219964	Gmdrm	hypo	CG	-0.0297
Gm09	23220250	23221004	Gmdrm	hypo	CG	-0.03
Gm09	23248766	23248941	Gmdrm	hypo	CG	-0.0567
Gm09	23318894	23319101	Gmdrm	hypo	CG	-0.0775
Gm09	23357478	23358031	Gmdrm	hypo	CG	-0.0556
Gm09	23408359	23408801	Gmdrm	hypo	CG	-0.059
Gm09	23447332	23447489	Gmdrm	hypo	CG	-0.0866
Gm09	23454039	23454132	Gmdrm	hypo	CG	-0.7162
Gm09	25464576	25464628	Gmdrm	hypo	CG	-0.5967
Gm09	25464927	25464954	Gmdrm	hypo	CG	-0.22
Gm09	25497109	25497202	Gmdrm	hypo	CG	-0.9183
Gm09	25497405	25497497	Gmdrm	hypo	CG	-0.928
Gm09	25497783	25498079	Gmdrm	hypo	CG	-0.94
Gm09	25503875	25503966	Gmdrm	hypo	CG	-0.95
Gm09	25541466	25541761	Gmdrm	hypo	CG	-0.0557
Gm09	25555850	25556242	Gmdrm	hypo	CG	-0.2855
Gm09	25573892	25574101	Gmdrm	hypo	CG	-0.0452
Gm09	25616189	25616449	Gmdrm	hypo	CG	-0.6909
Gm09	25616814	25616953	Gmdrm	hypo	CG	-0.8
Gm09	25637762	25637800	Gmdrm	hypo	CG	-0.645
Gm09	25646575	25646938	Gmdrm	hypo	CG	-0.5382
Gm09	25649707	25650055	Gmdrm	hypo	CG	-0.08
Gm09	25650911	25651051	Gmdrm	hypo	CG	-0.0358
Gm09	25696430	25697153	Gmdrm	hypo	CG	-0.0282
Gm09	25754080	25754093	Gmdrm	hypo	CG	-0.3016
Gm09	25803358	25803886	Gmdrm	hypo	CG	-0.0537
Gm09	25931733	25932009	Gmdrm	hypo	CG	-0.3943
Gm09	25932520	25932640	Gmdrm	hypo	CG	-0.1133
Gm09	25933205	25933274	Gmdrm	hypo	CG	-0.4312
Gm09	25934016	25934270	Gmdrm	hypo	CG	-0.0929
Gm09	25935400	25935603	Gmdrm	hypo	CG	-0.7128
Gm09	25937793	25938053	Gmdrm	hypo	CG	-0.6627
Gm09	26049745	26049923	Gmdrm	hypo	CG	-0.0343
Gm09	26051616	26051739	Gmdrm	hypo	CG	-0.29
Gm09	26051856	26051955	Gmdrm	hypo	CG	-0.4817
Gm09	26052228	26052346	Gmdrm	hypo	CG	-0.3663
Gm09	26054184	26054283	Gmdrm	hypo	CG	-0.0984
Gm09	26057844	26058022	Gmdrm	hypo	CG	-0.2575
Gm09	26061877	26061976	Gmdrm	hypo	CG	-0.0851
Gm09	26086710	26086766	Gmdrm	hypo	CG	-0.68
Gm09	26119945	26120035	Gmdrm	hypo	CG	-0.14
Gm09	26121873	26121939	Gmdrm	hypo	CG	-0.0789

Gm09	26129897	26130133	Gmdrm	hypo	CG	-0.0538
Gm09	26138393	26138418	Gmdrm	hypo	CG	-0.1057
Gm09	26161161	26161500	Gmdrm	hypo	CG	-0.0833
Gm09	26248231	26248263	Gmdrm	hypo	CG	-0.07
Gm09	26269854	26270128	Gmdrm	hypo	CG	-0.0708
Gm09	26279520	26279728	Gmdrm	hypo	CG	-0.0525
Gm09	26337508	26337697	Gmdrm	hypo	CG	-0.0616
Gm09	26340384	26340564	Gmdrm	hypo	CG	-0.0855
Gm09	26355201	26355703	Gmdrm	hypo	CG	-0.0391
Gm09	26378492	26378649	Gmdrm	hypo	CG	-0.0867
Gm09	26393551	26393667	Gmdrm	hypo	CG	-0.102
Gm09	26444798	26445613	Gmdrm	hypo	CG	-0.0305
Gm09	26547788	26548747	Gmdrm	hypo	CG	-0.0354
Gm09	26655164	26655477	Gmdrm	hypo	CG	-0.0778
Gm09	26659163	26659282	Gmdrm	hypo	CG	-0.0757
Gm09	26685316	26685598	Gmdrm	hypo	CG	-0.085
Gm09	26788753	26788823	Gmdrm	hypo	CG	-0.055
Gm09	26797916	26798213	Gmdrm	hypo	CG	-0.0817
Gm09	27143965	27144149	Gmdrm	hypo	CG	-0.16
Gm09	27146941	27147017	Gmdrm	hypo	CG	-0.185
Gm09	27292347	27292797	Gmdrm	hypo	CG	-0.061
Gm09	27294136	27294469	Gmdrm	hypo	CG	-0.0541
Gm09	27503521	27504292	Gmdrm	hypo	CG	-0.0416
Gm09	27632679	27633097	Gmdrm	hypo	CG	-0.081
Gm09	27711929	27712049	Gmdrm	hypo	CG	-0.0343
Gm09	27785402	27785992	Gmdrm	hypo	CG	-0.0332
Gm09	27807555	27807892	Gmdrm	hypo	CG	-0.0479
Gm09	27871945	27872942	Gmdrm	hypo	CG	-0.0332
Gm09	27927974	27928189	Gmdrm	hypo	CG	-0.1875
Gm09	27928339	27928600	Gmdrm	hypo	CG	-0.2617
Gm09	27928840	27928950	Gmdrm	hypo	CG	-0.4483
Gm09	27959582	27959696	Gmdrm	hypo	CG	-0.275
Gm09	27960047	27960163	Gmdrm	hypo	CG	-0.8317
Gm09	27968439	27968576	Gmdrm	hypo	CG	-0.715
Gm09	27993115	27993845	Gmdrm	hypo	CG	-0.0446
Gm09	28192688	28193311	Gmdrm	hypo	CG	-0.0487
Gm09	28243740	28243784	Gmdrm	hypo	CG	-0.8017
Gm09	28271833	28272226	Gmdrm	hypo	CG	-0.0423
Gm09	28279058	28279313	Gmdrm	hypo	CG	-0.1262
Gm09	28483154	28483191	Gmdrm	hypo	CG	-0.865
Gm09	28509611	28509727	Gmdrm	hypo	CG	-0.389
Gm09	28516419	28516599	Gmdrm	hypo	CG	-0.1215
Gm09	28532829	28533790	Gmdrm	hypo	CG	-0.0518
Gm09	28543483	28543915	Gmdrm	hypo	CG	-0.0445
Gm09	28607588	28607922	Gmdrm	hypo	CG	-0.0511
Gm09	28731802	28731832	Gmdrm	hypo	CG	-0.4458

Gm09	28813870	28814070	Gmdrm	hypo	CG	-0.325
Gm09	28857710	28857998	Gmdrm	hypo	CG	-0.106
Gm09	28925218	28925776	Gmdrm	hypo	CG	-0.0351
Gm09	29040579	29040659	Gmdrm	hypo	CG	-0.122
Gm09	29109436	29109508	Gmdrm	hypo	CG	-0.0633
Gm09	29129554	29129641	Gmdrm	hypo	CG	-0.0738
Gm09	29135159	29135385	Gmdrm	hypo	CG	-0.1018
Gm09	29141817	29142190	Gmdrm	hypo	CG	-0.6437
Gm09	29149204	29149333	Gmdrm	hypo	CG	-0.9175
Gm09	29150780	29150868	Gmdrm	hypo	CG	-0.8557
Gm09	29150969	29151068	Gmdrm	hypo	CG	-0.675
Gm09	29155097	29155194	Gmdrm	hypo	CG	-0.4233
Gm09	29155479	29155621	Gmdrm	hypo	CG	-0.9137
Gm09	29226550	29226762	Gmdrm	hypo	CG	-0.579
Gm09	29269738	29269767	Gmdrm	hypo	CG	-0.8633
Gm09	29270178	29270455	Gmdrm	hypo	CG	-0.4942
Gm09	29272812	29273074	Gmdrm	hypo	CG	-0.34
Gm09	29273368	29273627	Gmdrm	hypo	CG	-0.6785
Gm09	29273737	29273859	Gmdrm	hypo	CG	-0.6167
Gm09	29279511	29279651	Gmdrm	hypo	CG	-0.851
Gm09	29282278	29282548	Gmdrm	hypo	CG	-0.0345
Gm09	29299375	29299571	Gmdrm	hypo	CG	-0.8784
Gm09	29329514	29329796	Gmdrm	hypo	CG	-0.1118
Gm09	29356626	29356718	Gmdrm	hypo	CG	-0.4975
Gm09	29360934	29361047	Gmdrm	hypo	CG	-0.8733
Gm09	29366263	29366470	Gmdrm	hypo	CG	-0.0471
Gm09	29392832	29392909	Gmdrm	hypo	CG	-0.1
Gm09	29435056	29435155	Gmdrm	hypo	CG	-0.385
Gm09	29451138	29451205	Gmdrm	hypo	CG	-0.7946
Gm09	29459344	29459657	Gmdrm	hypo	CG	-0.1735
Gm09	29474156	29474598	Gmdrm	hypo	CG	-0.0275
Gm09	29508842	29509213	Gmdrm	hypo	CG	-0.0961
Gm09	29512377	29512455	Gmdrm	hypo	CG	-0.9583
Gm09	29519850	29519917	Gmdrm	hypo	CG	-0.57
Gm09	29529576	29529697	Gmdrm	hypo	CG	-0.22
Gm09	29558701	29559037	Gmdrm	hypo	CG	-0.0251
Gm09	29562752	29562894	Gmdrm	hypo	CG	-0.8766
Gm09	29563224	29563386	Gmdrm	hypo	CG	-0.9774
Gm09	29571605	29571881	Gmdrm	hypo	CG	-0.5475
Gm09	29572328	29572541	Gmdrm	hypo	CG	-0.76
Gm09	29586031	29586189	Gmdrm	hypo	CG	-0.8422
Gm09	29589746	29589884	Gmdrm	hypo	CG	-0.5433
Gm09	29660275	29660426	Gmdrm	hypo	CG	-0.352
Gm09	29696197	29696313	Gmdrm	hypo	CG	-0.965
Gm09	29703983	29704030	Gmdrm	hypo	CG	-0.1
Gm09	29791167	29791450	Gmdrm	hypo	CG	-0.047

Gm09	29861284	29861467	Gmdrm	hypo	CG	-0.276
Gm09	29873209	29873284	Gmdrm	hypo	CG	-0.73
Gm09	29876148	29876372	Gmdrm	hypo	CG	-0.1034
Gm09	29877747	29877846	Gmdrm	hypo	CG	-0.09
Gm09	29915233	29915789	Gmdrm	hypo	CG	-0.0247
Gm09	30008794	30009049	Gmdrm	hypo	CG	-0.8107
Gm09	30077809	30077974	Gmdrm	hypo	CG	-0.9484
Gm09	30078592	30078725	Gmdrm	hypo	CG	-0.9229
Gm09	30082818	30083078	Gmdrm	hypo	CG	-0.064
Gm09	30125221	30125289	Gmdrm	hypo	CG	-0.634
Gm09	30145747	30145870	Gmdrm	hypo	CG	-0.5183
Gm09	30150718	30150938	Gmdrm	hypo	CG	-0.332
Gm09	30170063	30170201	Gmdrm	hypo	CG	-0.4262
Gm09	30170385	30170598	Gmdrm	hypo	CG	-0.209
Gm09	30228518	30228716	Gmdrm	hypo	CG	-0.8917
Gm09	30231413	30231599	Gmdrm	hypo	CG	-0.7743
Gm09	30233972	30234085	Gmdrm	hypo	CG	-0.6438
Gm09	30337647	30337769	Gmdrm	hypo	CG	-0.5866
Gm09	30343671	30343725	Gmdrm	hypo	CG	-0.8867
Gm09	30344086	30344187	Gmdrm	hypo	CG	-0.4934
Gm09	30397333	30397636	Gmdrm	hypo	CG	-0.7712
Gm09	30426142	30426152	Gmdrm	hypo	CG	-0.5717
Gm09	30458045	30458271	Gmdrm	hypo	CG	-0.0563
Gm09	30498220	30498541	Gmdrm	hypo	CG	-0.0431
Gm09	30499775	30500404	Gmdrm	hypo	CG	-0.0403
Gm09	30769692	30770180	Gmdrm	hypo	CG	-0.2906
Gm09	30873107	30873315	Gmdrm	hypo	CG	-0.065
Gm09	30890784	30890966	Gmdrm	hypo	CG	-0.0914
Gm09	30987993	30988340	Gmdrm	hypo	CG	-0.0685
Gm09	31094659	31094860	Gmdrm	hypo	CG	-0.1124
Gm09	31109164	31109385	Gmdrm	hypo	CG	-0.3386
Gm09	31160842	31161836	Gmdrm	hypo	CG	-0.0384
Gm09	31169459	31169680	Gmdrm	hypo	CG	-0.0415
Gm09	31173104	31173301	Gmdrm	hypo	CG	-0.066
Gm09	31271361	31271538	Gmdrm	hypo	CG	-0.0876
Gm09	31315118	31315677	Gmdrm	hypo	CG	-0.0367
Gm09	31394784	31394989	Gmdrm	hypo	CG	-0.0533
Gm09	31431038	31431347	Gmdrm	hypo	CG	-0.0523
Gm09	31567840	31568830	Gmdrm	hypo	CG	-0.0432
Gm09	31570968	31571163	Gmdrm	hypo	CG	-0.0512
Gm09	31601568	31601697	Gmdrm	hypo	CG	-0.2
Gm09	31623920	31624581	Gmdrm	hypo	CG	-0.0597
Gm09	31636231	31636874	Gmdrm	hypo	CG	-0.0283
Gm09	31656970	31657567	Gmdrm	hypo	CG	-0.0362
Gm09	31712436	31712702	Gmdrm	hypo	CG	-0.0729
Gm09	31727765	31728028	Gmdrm	hypo	CG	-0.0382

Gm09	31758234	31758320	Gmdrm	hypo	CG	-0.4633
Gm09	31778670	31779110	Gmdrm	hypo	CG	-0.3323
Gm09	31801244	31801384	Gmdrm	hypo	CG	-0.0414
Gm09	31833315	31833387	Gmdrm	hypo	CG	-0.118
Gm09	32046360	32046408	Gmdrm	hypo	CG	-0.4217
Gm09	32107691	32107801	Gmdrm	hypo	CG	-0.0575
Gm09	32131635	32131674	Gmdrm	hypo	CG	-0.0892
Gm09	32159799	32160096	Gmdrm	hypo	CG	-0.5271
Gm09	32168122	32168344	Gmdrm	hypo	CG	-0.9421
Gm09	32168812	32168940	Gmdrm	hypo	CG	-0.5775
Gm09	32169925	32170127	Gmdrm	hypo	CG	-0.8594
Gm09	32188242	32188470	Gmdrm	hypo	CG	-0.51
Gm09	32189085	32189253	Gmdrm	hypo	CG	-0.375
Gm09	32197074	32197194	Gmdrm	hypo	CG	-0.95
Gm09	32213338	32213365	Gmdrm	hypo	CG	-0.3934
Gm09	32213803	32213950	Gmdrm	hypo	CG	-0.694
Gm09	32223041	32223106	Gmdrm	hypo	CG	-0.8783
Gm09	32225220	32225418	Gmdrm	hypo	CG	-0.235
Gm09	32240186	32240402	Gmdrm	hypo	CG	-0.0517
Gm09	32269648	32270142	Gmdrm	hypo	CG	-0.052
Gm09	32283141	32283731	Gmdrm	hypo	CG	-0.0282
Gm09	32311086	32311455	Gmdrm	hypo	CG	-0.1782
Gm09	32376092	32376181	Gmdrm	hypo	CG	-0.0738
Gm09	32376493	32376593	Gmdrm	hypo	CG	-0.0562
Gm09	32390653	32390998	Gmdrm	hypo	CG	-0.0402
Gm09	32395294	32395480	Gmdrm	hypo	CG	-0.46
Gm09	32405466	32405668	Gmdrm	hypo	CG	-0.2479
Gm09	32600916	32600967	Gmdrm	hypo	CG	-0.665
Gm09	32635366	32635552	Gmdrm	hypo	CG	-0.05
Gm09	32642046	32642367	Gmdrm	hypo	CG	-0.1441
Gm09	32653552	32654498	Gmdrm	hypo	CG	-0.0345
Gm09	32737282	32737553	Gmdrm	hypo	CG	-0.0974
Gm09	32750995	32751078	Gmdrm	hypo	CG	-0.0433
Gm09	32766601	32766767	Gmdrm	hypo	CG	-0.1236
Gm09	32836834	32836917	Gmdrm	hypo	CG	-0.332
Gm09	32872549	32872959	Gmdrm	hypo	CG	-0.1191
Gm09	32879139	32879481	Gmdrm	hypo	CG	-0.4307
Gm09	32881328	32881380	Gmdrm	hypo	CG	-0.355
Gm09	32893417	32893505	Gmdrm	hypo	CG	-0.7513
Gm09	32931811	32932080	Gmdrm	hypo	CG	-0.0628
Gm09	32955109	32955182	Gmdrm	hypo	CG	-0.682
Gm09	32993255	32993311	Gmdrm	hypo	CG	-0.0775
Gm09	32996575	32996743	Gmdrm	hypo	CG	-0.6687
Gm09	32996914	32996938	Gmdrm	hypo	CG	-0.9584
Gm09	32997252	32997429	Gmdrm	hypo	CG	-0.711
Gm09	32998149	32998331	Gmdrm	hypo	CG	-0.744

Gm09	32998597	32998672	Gmdrm	hypo	CG	-0.675
Gm09	33036168	33036648	Gmdrm	hypo	CG	-0.0338
Gm09	33080571	33080641	Gmdrm	hypo	CG	-0.2458
Gm09	33236200	33236219	Gmdrm	hypo	CG	-0.065
Gm09	33250839	33250864	Gmdrm	hypo	CG	-0.865
Gm09	33253002	33253254	Gmdrm	hypo	CG	-0.3429
Gm09	33255524	33255753	Gmdrm	hypo	CG	-0.9475
Gm09	33256958	33257258	Gmdrm	hypo	CG	-0.3829
Gm09	33272589	33272873	Gmdrm	hypo	CG	-0.052
Gm09	33285561	33285712	Gmdrm	hypo	CG	-0.385
Gm09	33305083	33305384	Gmdrm	hypo	CG	-0.3983
Gm09	33306067	33306238	Gmdrm	hypo	CG	-0.8566
Gm09	33308068	33308181	Gmdrm	hypo	CG	-0.834
Gm09	33321380	33321512	Gmdrm	hypo	CG	-0.0488
Gm09	33352453	33352787	Gmdrm	hypo	CG	-0.0367
Gm09	33355463	33355561	Gmdrm	hypo	CG	-0.334
Gm09	33366738	33366860	Gmdrm	hypo	CG	-0.1363
Gm09	33437536	33438263	Gmdrm	hypo	CG	-0.0346
Gm09	33443870	33444065	Gmdrm	hypo	CG	-0.07
Gm09	33498247	33498616	Gmdrm	hypo	CG	-0.0571
Gm09	33539667	33539957	Gmdrm	hypo	CG	-0.0858
Gm09	33544205	33544276	Gmdrm	hypo	CG	-0.0917
Gm09	33571669	33571809	Gmdrm	hypo	CG	-0.06
Gm09	33582697	33582926	Gmdrm	hypo	CG	-0.417
Gm09	33599136	33599214	Gmdrm	hypo	CG	-0.795
Gm09	33604413	33604711	Gmdrm	hypo	CG	-0.7255
Gm09	33626625	33626915	Gmdrm	hypo	CG	-0.2853
Gm09	33640401	33640416	Gmdrm	hypo	CG	-0.95
Gm09	33640575	33640776	Gmdrm	hypo	CG	-0.7312
Gm09	33689909	33689952	Gmdrm	hypo	CG	-0.6184
Gm09	33693120	33693325	Gmdrm	hypo	CG	-0.8778
Gm09	33703182	33703474	Gmdrm	hypo	CG	-0.3907
Gm09	33710753	33710984	Gmdrm	hypo	CG	-0.2914
Gm09	33711834	33711983	Gmdrm	hypo	CG	-0.0972
Gm09	33713508	33713637	Gmdrm	hypo	CG	-0.5933
Gm09	33730276	33731262	Gmdrm	hypo	CG	-0.0228
Gm09	33763926	33764096	Gmdrm	hypo	CG	-0.1015
Gm09	33770558	33770736	Gmdrm	hypo	CG	-0.5417
Gm09	33792131	33792618	Gmdrm	hypo	CG	-0.0634
Gm09	33835601	33835643	Gmdrm	hypo	CG	-0.72
Gm09	33893976	33894048	Gmdrm	hypo	CG	-0.2388
Gm09	33952959	33953274	Gmdrm	hypo	CG	-0.5422
Gm09	33959082	33959318	Gmdrm	hypo	CG	-0.0468
Gm09	33989579	33989771	Gmdrm	hypo	CG	-0.044
Gm09	33990833	33990968	Gmdrm	hypo	CG	-0.2325
Gm09	34001903	34002111	Gmdrm	hypo	CG	-0.8888

Gm09	34002367	34002735 Gmdrm	hypo	CG	-0.6025
Gm09	34043005	34043154 Gmdrm	hypo	CG	-0.0437
Gm09	34109961	34109976 Gmdrm	hypo	CG	-0.1
Gm09	34118079	34118606 Gmdrm	hypo	CG	-0.0515
Gm09	34128510	34128689 Gmdrm	hypo	CG	-0.0671
Gm09	34128948	34129031 Gmdrm	hypo	CG	-0.7216
Gm09	34131161	34131403 Gmdrm	hypo	CG	-0.703
Gm09	34133612	34133798 Gmdrm	hypo	CG	-0.0367
Gm09	34168920	34169046 Gmdrm	hypo	CG	-0.093
Gm09	34192439	34192492 Gmdrm	hypo	CG	-0.1816
Gm09	34193190	34193351 Gmdrm	hypo	CG	-0.5489
Gm09	34194840	34195027 Gmdrm	hypo	CG	-0.046
Gm09	34195201	34195290 Gmdrm	hypo	CG	-0.0937
Gm09	34202701	34202984 Gmdrm	hypo	CG	-0.075
Gm09	34253905	34254000 Gmdrm	hypo	CG	-0.86
Gm09	34259944	34259967 Gmdrm	hypo	CG	-0.9017
Gm09	34260118	34260280 Gmdrm	hypo	CG	-0.9711
Gm09	34325263	34325331 Gmdrm	hypo	CG	-0.9667
Gm09	34362927	34363229 Gmdrm	hypo	CG	-0.0476
Gm09	34384994	34385031 Gmdrm	hypo	CG	-0.346
Gm09	34400429	34400504 Gmdrm	hypo	CG	-0.3001
Gm09	34400640	34400799 Gmdrm	hypo	CG	-0.6983
Gm09	34402024	34402131 Gmdrm	hypo	CG	-0.7716
Gm09	34402615	34402740 Gmdrm	hypo	CG	-0.8033
Gm09	34422183	34422291 Gmdrm	hypo	CG	-0.1064
Gm09	34434592	34435152 Gmdrm	hypo	CG	-0.7476
Gm09	34478733	34478833 Gmdrm	hypo	CG	-0.0243
Gm09	34485615	34485688 Gmdrm	hypo	CG	-0.3188
Gm09	34532803	34533148 Gmdrm	hypo	CG	-0.4518
Gm09	34556761	34556824 Gmdrm	hypo	CG	-0.6275
Gm09	34557108	34557176 Gmdrm	hypo	CG	-0.6625
Gm09	34564555	34564627 Gmdrm	hypo	CG	-0.632
Gm09	34582577	34582757 Gmdrm	hypo	CG	-0.6284
Gm09	34582990	34583196 Gmdrm	hypo	CG	-0.7445
Gm09	34591762	34591990 Gmdrm	hypo	CG	-0.7857
Gm09	34594318	34594366 Gmdrm	hypo	CG	-0.7237
Gm09	34594752	34595035 Gmdrm	hypo	CG	-0.3254
Gm09	34601619	34601780 Gmdrm	hypo	CG	-0.505
Gm09	34601995	34602291 Gmdrm	hypo	CG	-0.5826
Gm09	34606195	34606219 Gmdrm	hypo	CG	-0.285
Gm09	34614495	34614645 Gmdrm	hypo	CG	-0.8217
Gm09	34649204	34649278 Gmdrm	hypo	CG	-0.465
Gm09	34651467	34651958 Gmdrm	hypo	CG	-0.1061
Gm09	34655917	34656053 Gmdrm	hypo	CG	-0.515
Gm09	34656230	34656249 Gmdrm	hypo	CG	-0.2125
Gm09	34663252	34663281 Gmdrm	hypo	CG	-0.905

Gm09	34707294	34707427	Gmdrm	hypo	CG	-0.439
Gm09	34713479	34713617	Gmdrm	hypo	CG	-0.845
Gm09	34726443	34726597	Gmdrm	hypo	CG	-0.631
Gm09	34874496	34875094	Gmdrm	hypo	CG	-0.2447
Gm09	34886997	34887015	Gmdrm	hypo	CG	-0.76
Gm09	34887146	34887233	Gmdrm	hypo	CG	-0.957
Gm09	34920002	34920361	Gmdrm	hypo	CG	-0.0452
Gm09	34924143	34924366	Gmdrm	hypo	CG	-0.0955
Gm09	34928495	34928755	Gmdrm	hypo	CG	-0.0857
Gm09	34938593	34938692	Gmdrm	hypo	CG	-0.0744
Gm09	34984870	34985114	Gmdrm	hypo	CG	-0.0842
Gm09	35008429	35008585	Gmdrm	hypo	CG	-0.6567
Gm09	35032393	35032603	Gmdrm	hypo	CG	-0.0381
Gm09	35048643	35048968	Gmdrm	hypo	CG	-0.0296
Gm09	35117183	35117580	Gmdrm	hypo	CG	-0.022
Gm09	35178216	35178284	Gmdrm	hypo	CG	-0.0483
Gm09	35183368	35183823	Gmdrm	hypo	CG	-0.0304
Gm09	35202985	35203111	Gmdrm	hypo	CG	-0.975
Gm09	35203385	35203464	Gmdrm	hypo	CG	-0.76
Gm09	35264682	35265026	Gmdrm	hypo	CG	-0.9516
Gm09	35283720	35284072	Gmdrm	hypo	CG	-0.0713
Gm09	35327288	35327675	Gmdrm	hypo	CG	-0.6106
Gm09	35340019	35340161	Gmdrm	hypo	CG	-0.0717
Gm09	35341311	35341638	Gmdrm	hypo	CG	-0.1241
Gm09	35344424	35344523	Gmdrm	hypo	CG	-0.2009
Gm09	35347621	35347754	Gmdrm	hypo	CG	-0.044
Gm09	35357850	35357878	Gmdrm	hypo	CG	-0.5433
Gm09	35358231	35358293	Gmdrm	hypo	CG	-0.7438
Gm09	35361510	35361590	Gmdrm	hypo	CG	-0.034
Gm09	35363343	35363719	Gmdrm	hypo	CG	-0.659
Gm09	35365231	35365579	Gmdrm	hypo	CG	-0.1022
Gm09	35399985	35400058	Gmdrm	hypo	CG	-0.0675
Gm09	35406864	35407051	Gmdrm	hypo	CG	-0.038
Gm09	35417994	35418214	Gmdrm	hypo	CG	-0.1238
Gm09	35513235	35513707	Gmdrm	hypo	CG	-0.0596
Gm09	35547657	35547807	Gmdrm	hypo	CG	-0.88
Gm09	35551936	35552269	Gmdrm	hypo	CG	-0.8383
Gm09	35553310	35553370	Gmdrm	hypo	CG	-0.88
Gm09	35589099	35589402	Gmdrm	hypo	CG	-0.0567
Gm09	35593266	35593340	Gmdrm	hypo	CG	-0.0733
Gm09	35604792	35605032	Gmdrm	hypo	CG	-0.4547
Gm09	35628710	35628881	Gmdrm	hypo	CG	-0.645
Gm09	35630637	35630721	Gmdrm	hypo	CG	-0.8334
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Gm09	35709833	35710283	Gmdrm	hypo	CG	-0.2036

Gm09	35710437	35710493	Gmdrm	hypo	CG	-0.486
Gm09	35757275	35757546	Gmdrm	hypo	CG	-0.293
Gm09	35776060	35776189	Gmdrm	hypo	CG	-0.0711
Gm09	35793909	35794121	Gmdrm	hypo	CG	-0.3441
Gm09	35827662	35828165	Gmdrm	hypo	CG	-0.0248
Gm09	35862367	35862677	Gmdrm	hypo	CG	-0.5793
Gm09	35880657	35881046	Gmdrm	hypo	CG	-0.2613
Gm09	35891379	35891652	Gmdrm	hypo	CG	-0.7347
Gm09	35908562	35908695	Gmdrm	hypo	CG	-0.054
Gm09	35924053	35924120	Gmdrm	hypo	CG	-0.0517
Gm09	36101263	36101365	Gmdrm	hypo	CG	-0.0383
Gm09	36109269	36109312	Gmdrm	hypo	CG	-0.206
Gm09	36225527	36225834	Gmdrm	hypo	CG	-0.0654
Gm09	36261845	36262423	Gmdrm	hypo	CG	-0.125
Gm09	36271579	36271808	Gmdrm	hypo	CG	-0.8493
Gm09	36272506	36272807	Gmdrm	hypo	CG	-0.2936
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Gm09	36283130	36283301	Gmdrm	hypo	CG	-0.552
Gm09	36313394	36313472	Gmdrm	hypo	CG	-0.041
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Gm09	36476571	36476837	Gmdrm	hypo	CG	-0.0483
Gm09	36503832	36504308	Gmdrm	hypo	CG	-0.4175
Gm09	36542639	36543065	Gmdrm	hypo	CG	-0.177
Gm09	36544812	36544858	Gmdrm	hypo	CG	-0.0637
Gm09	36630382	36630416	Gmdrm	hypo	CG	-0.6763
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Gm09	36648053	36648144	Gmdrm	hypo	CG	-0.575
Gm09	36648948	36649279	Gmdrm	hypo	CG	-0.1129
Gm09	36649890	36649998	Gmdrm	hypo	CG	-0.5717
Gm09	36653469	36654037	Gmdrm	hypo	CG	-0.0302
Gm09	36659550	36659590	Gmdrm	hypo	CG	-0.3038
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Gm09	36682657	36682705	Gmdrm	hypo	CG	-0.23
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Gm09	36700303	36700466	Gmdrm	hypo	CG	-0.2185
Gm09	36727585	36727989	Gmdrm	hypo	CG	-0.0979
Gm09	36774303	36774369	Gmdrm	hypo	CG	-0.414
Gm09	36821931	36822219	Gmdrm	hypo	CG	-0.324
Gm09	36904027	36904481	Gmdrm	hypo	CG	-0.048
Gm09	36908151	36908221	Gmdrm	hypo	CG	-0.0811
Gm09	36909430	36909626	Gmdrm	hypo	CG	-0.4512
Gm09	37085887	37086886	Gmdrm	hypo	CG	-0.0331

Gm09	37111256	37111736	Gmdrm	hypo	CG	-0.0375
Gm09	37123122	37123488	Gmdrm	hypo	CG	-0.912
Gm09	37146417	37146687	Gmdrm	hypo	CG	-0.0177
Gm09	37217031	37217195	Gmdrm	hypo	CG	-0.565
Gm09	37220973	37221575	Gmdrm	hypo	CG	-0.0366
Gm09	37224093	37224310	Gmdrm	hypo	CG	-0.0803
Gm09	37240803	37241088	Gmdrm	hypo	CG	-0.811
Gm09	37247576	37247989	Gmdrm	hypo	CG	-0.0463
Gm09	37272226	37272254	Gmdrm	hypo	CG	-0.285
Gm09	37285675	37285771	Gmdrm	hypo	CG	-0.7175
Gm09	37305819	37305985	Gmdrm	hypo	CG	-0.7
Gm09	37322842	37322899	Gmdrm	hypo	CG	-0.5463
Gm09	37362416	37362649	Gmdrm	hypo	CG	-0.0318
Gm09	37398543	37398813	Gmdrm	hypo	CG	-0.0533
Gm09	37400797	37400944	Gmdrm	hypo	CG	-0.09
Gm09	37415017	37415051	Gmdrm	hypo	CG	-0.6366
Gm09	37424345	37424707	Gmdrm	hypo	CG	-0.1319
Gm09	37435289	37435409	Gmdrm	hypo	CG	-0.93
Gm09	37437812	37438145	Gmdrm	hypo	CG	-0.4241
Gm09	37443889	37444154	Gmdrm	hypo	CG	-0.07
Gm09	37446994	37447131	Gmdrm	hypo	CG	-0.9367
Gm09	37466961	37467052	Gmdrm	hypo	CG	-0.1566
Gm09	37467194	37467627	Gmdrm	hypo	CG	-0.3117
Gm09	37472089	37472211	Gmdrm	hypo	CG	-0.5267
Gm09	37593452	37593632	Gmdrm	hypo	CG	-0.6383
Gm09	37601518	37601639	Gmdrm	hypo	CG	-0.4266
Gm09	37602224	37602407	Gmdrm	hypo	CG	-0.8684
Gm09	37606358	37606521	Gmdrm	hypo	CG	-0.7828
Gm09	37610978	37611173	Gmdrm	hypo	CG	-0.0559
Gm09	37636189	37636361	Gmdrm	hypo	CG	-0.94
Gm09	37643947	37644436	Gmdrm	hypo	CG	-0.5855
Gm09	37644781	37644931	Gmdrm	hypo	CG	-0.6922
Gm09	37677337	37677473	Gmdrm	hypo	CG	-0.9213
Gm09	37698303	37698421	Gmdrm	hypo	CG	-0.044
Gm09	37698589	37698638	Gmdrm	hypo	CG	-0.7617
Gm09	37701202	37701796	Gmdrm	hypo	CG	-0.4759
Gm09	37720737	37720796	Gmdrm	hypo	CG	-0.9667
Gm09	37722946	37722994	Gmdrm	hypo	CG	-0.665
Gm09	37733338	37733827	Gmdrm	hypo	CG	-0.1972
Gm09	37744434	37744853	Gmdrm	hypo	CG	-0.1278
Gm09	37746584	37746796	Gmdrm	hypo	CG	-0.1943
Gm09	37749772	37749803	Gmdrm	hypo	CG	-0.1567
Gm09	37752686	37752897	Gmdrm	hypo	CG	-0.2608
Gm09	37755360	37755553	Gmdrm	hypo	CG	-0.0493
Gm09	37761905	37762034	Gmdrm	hypo	CG	-0.43
Gm09	37771572	37772099	Gmdrm	hypo	CG	-0.44

Gm09	37783892	37783962	Gmdrm	hypo	CG	-0.8334
Gm09	37784085	37784244	Gmdrm	hypo	CG	-0.046
Gm09	37793793	37793831	Gmdrm	hypo	CG	-0.9537
Gm09	37800474	37800711	Gmdrm	hypo	CG	-0.8207
Gm09	37821463	37821538	Gmdrm	hypo	CG	-0.0438
Gm09	37827750	37827986	Gmdrm	hypo	CG	-0.13
Gm09	37831471	37831531	Gmdrm	hypo	CG	-0.1737
Gm09	37831646	37831727	Gmdrm	hypo	CG	-0.3641
Gm09	37831867	37831947	Gmdrm	hypo	CG	-0.588
Gm09	37835017	37835090	Gmdrm	hypo	CG	-0.885
Gm09	37838100	37838474	Gmdrm	hypo	CG	-0.6333
Gm09	37853322	37853813	Gmdrm	hypo	CG	-0.1204
Gm09	37870414	37870482	Gmdrm	hypo	CG	-0.925
Gm09	37878047	37878556	Gmdrm	hypo	CG	-0.3387
Gm09	37896475	37896827	Gmdrm	hypo	CG	-0.3841
Gm09	37901835	37902006	Gmdrm	hypo	CG	-0.064
Gm09	37918616	37918693	Gmdrm	hypo	CG	-0.955
Gm09	37919102	37919274	Gmdrm	hypo	CG	-0.3035
Gm09	37919500	37919633	Gmdrm	hypo	CG	-0.775
Gm09	37929922	37930154	Gmdrm	hypo	CG	-0.4745
Gm09	37932812	37932881	Gmdrm	hypo	CG	-0.0651
Gm09	37940807	37940843	Gmdrm	hypo	CG	-0.043
Gm09	37964656	37964923	Gmdrm	hypo	CG	-0.9434
Gm09	37974937	37974986	Gmdrm	hypo	CG	-0.5216
Gm09	37975115	37975204	Gmdrm	hypo	CG	-0.5816
Gm09	38028411	38028629	Gmdrm	hypo	CG	-0.0229
Gm09	38033787	38034022	Gmdrm	hypo	CG	-0.0737
Gm09	38046154	38046257	Gmdrm	hypo	CG	-0.7713
Gm09	38048228	38048333	Gmdrm	hypo	CG	-0.652
Gm09	38054764	38054864	Gmdrm	hypo	CG	-0.9642
Gm09	38098489	38098602	Gmdrm	hypo	CG	-0.0694
Gm09	38136698	38137019	Gmdrm	hypo	CG	-0.0814
Gm09	38200800	38200967	Gmdrm	hypo	CG	-0.5655
Gm09	38206168	38206248	Gmdrm	hypo	CG	-0.55
Gm09	38206398	38206894	Gmdrm	hypo	CG	-0.1
Gm09	38207049	38207221	Gmdrm	hypo	CG	-0.6938
Gm09	38209525	38209763	Gmdrm	hypo	CG	-0.609
Gm09	38210009	38210106	Gmdrm	hypo	CG	-0.1462
Gm09	38238289	38238430	Gmdrm	hypo	CG	-0.044
Gm09	38250552	38250703	Gmdrm	hypo	CG	-0.042
Gm09	38269594	38270249	Gmdrm	hypo	CG	-0.4358
Gm09	38270367	38270470	Gmdrm	hypo	CG	-0.1417
Gm09	38275017	38275349	Gmdrm	hypo	CG	-0.4711
Gm09	38278775	38279020	Gmdrm	hypo	CG	-0.9367
Gm09	38279523	38279642	Gmdrm	hypo	CG	-0.2838
Gm09	38280036	38280273	Gmdrm	hypo	CG	-0.5605

Gm09	38280815	38281002	Gmdrm	hypo	CG	-0.6573
Gm09	38286547	38286754	Gmdrm	hypo	CG	-0.6322
Gm09	38344209	38344707	Gmdrm	hypo	CG	-0.1177
Gm09	38352532	38352653	Gmdrm	hypo	CG	-0.93
Gm09	38382465	38382495	Gmdrm	hypo	CG	-0.9633
Gm09	38451851	38451984	Gmdrm	hypo	CG	-0.72
Gm09	38454385	38454900	Gmdrm	hypo	CG	-0.6261
Gm09	38455890	38456104	Gmdrm	hypo	CG	-0.8265
Gm09	38492079	38492155	Gmdrm	hypo	CG	-0.614
Gm09	38497040	38497124	Gmdrm	hypo	CG	-0.1167
Gm09	38504501	38505469	Gmdrm	hypo	CG	-0.2898
Gm09	38543623	38543789	Gmdrm	hypo	CG	-0.417
Gm09	38570386	38570543	Gmdrm	hypo	CG	-0.7338
Gm09	38570667	38570776	Gmdrm	hypo	CG	-0.938
Gm09	38580966	38581018	Gmdrm	hypo	CG	-0.0816
Gm09	38586137	38586222	Gmdrm	hypo	CG	-0.6375
Gm09	38600420	38600552	Gmdrm	hypo	CG	-0.55
Gm09	38600656	38600716	Gmdrm	hypo	CG	-0.9116
Gm09	38616843	38616953	Gmdrm	hypo	CG	-0.56
Gm09	38631153	38631459	Gmdrm	hypo	CG	-0.1912
Gm09	38632092	38632167	Gmdrm	hypo	CG	-0.4334
Gm09	38632577	38632783	Gmdrm	hypo	CG	-0.9146
Gm09	38650169	38650452	Gmdrm	hypo	CG	-0.5577
Gm09	38650897	38651134	Gmdrm	hypo	CG	-0.8406
Gm09	38653236	38653348	Gmdrm	hypo	CG	-0.8067
Gm09	38654565	38654800	Gmdrm	hypo	CG	-0.943
Gm09	38660169	38660252	Gmdrm	hypo	CG	-0.806
Gm09	38687988	38688515	Gmdrm	hypo	CG	-0.0263
Gm09	38708727	38708815	Gmdrm	hypo	CG	-0.509
Gm09	38719133	38719270	Gmdrm	hypo	CG	-0.8638
Gm09	38722172	38722261	Gmdrm	hypo	CG	-0.048
Gm09	38764977	38765164	Gmdrm	hypo	CG	-0.8825
Gm09	38775135	38775599	Gmdrm	hypo	CG	-0.0359
Gm09	38782630	38782732	Gmdrm	hypo	CG	-0.73
Gm09	38808793	38809212	Gmdrm	hypo	CG	-0.4834
Gm09	38815919	38816079	Gmdrm	hypo	CG	-0.7143
Gm09	38818752	38818876	Gmdrm	hypo	CG	-0.0267
Gm09	38826511	38826647	Gmdrm	hypo	CG	-0.3125
Gm09	38922480	38922552	Gmdrm	hypo	CG	-0.08
Gm09	38959133	38959277	Gmdrm	hypo	CG	-0.519
Gm09	38959835	38960066	Gmdrm	hypo	CG	-0.3729
Gm09	38973451	38973815	Gmdrm	hypo	CG	-0.22
Gm09	38974042	38974098	Gmdrm	hypo	CG	-0.0457
Gm09	38985362	38985548	Gmdrm	hypo	CG	-0.0564
Gm09	38993424	38993449	Gmdrm	hypo	CG	-0.87
Gm09	38997334	38997599	Gmdrm	hypo	CG	-0.3091

Gm09	39001254	39001506	Gmdrm	hypo	CG	-0.2116
Gm09	39014957	39014980	Gmdrm	hypo	CG	-0.96
Gm09	39023615	39023730	Gmdrm	hypo	CG	-0.8817
Gm09	39031105	39031207	Gmdrm	hypo	CG	-0.5025
Gm09	39054672	39054804	Gmdrm	hypo	CG	-0.1749
Gm09	39055160	39055289	Gmdrm	hypo	CG	-0.4883
Gm09	39069444	39069561	Gmdrm	hypo	CG	-0.7163
Gm09	39069673	39069707	Gmdrm	hypo	CG	-0.2066
Gm09	39076997	39077421	Gmdrm	hypo	CG	-0.1989
Gm09	39093514	39093724	Gmdrm	hypo	CG	-0.2417
Gm09	39094977	39095378	Gmdrm	hypo	CG	-0.5203
Gm09	39097258	39097398	Gmdrm	hypo	CG	-0.9633
Gm09	39122388	39122408	Gmdrm	hypo	CG	-0.1916
Gm09	39125639	39125683	Gmdrm	hypo	CG	-0.8184
Gm09	39141312	39141408	Gmdrm	hypo	CG	-0.595
Gm09	39141644	39141752	Gmdrm	hypo	CG	-0.4594
Gm09	39165382	39165660	Gmdrm	hypo	CG	-0.06
Gm09	39175091	39175448	Gmdrm	hypo	CG	-0.5784
Gm09	39179216	39179377	Gmdrm	hypo	CG	-0.025
Gm09	39185120	39185415	Gmdrm	hypo	CG	-0.1483
Gm09	39191416	39191722	Gmdrm	hypo	CG	-0.765
Gm09	39218582	39218686	Gmdrm	hypo	CG	-0.846
Gm09	39225652	39225855	Gmdrm	hypo	CG	-0.5022
Gm09	39235693	39235789	Gmdrm	hypo	CG	-0.9517
Gm09	39255442	39256248	Gmdrm	hypo	CG	-0.0433
Gm09	39280182	39280207	Gmdrm	hypo	CG	-0.6
Gm09	39284501	39284613	Gmdrm	hypo	CG	-0.8983
Gm09	39292791	39292888	Gmdrm	hypo	CG	-0.5742
Gm09	39332707	39332763	Gmdrm	hypo	CG	-0.054
Gm09	39334278	39334492	Gmdrm	hypo	CG	-0.9242
Gm09	39334820	39335131	Gmdrm	hypo	CG	-0.73
Gm09	39350520	39350672	Gmdrm	hypo	CG	-0.161
Gm09	39371178	39371470	Gmdrm	hypo	CG	-0.0692
Gm09	39371698	39371832	Gmdrm	hypo	CG	-0.831
Gm09	39372545	39372747	Gmdrm	hypo	CG	-0.7367
Gm09	39401525	39401878	Gmdrm	hypo	CG	-0.7711
Gm09	39412889	39413195	Gmdrm	hypo	CG	-0.625
Gm09	39434890	39434934	Gmdrm	hypo	CG	-0.04
Gm09	39441668	39441806	Gmdrm	hypo	CG	-0.3137
Gm09	39444237	39444400	Gmdrm	hypo	CG	-0.43
Gm09	39456425	39456511	Gmdrm	hypo	CG	-0.8633
Gm09	39456691	39456790	Gmdrm	hypo	CG	-0.6534
Gm09	39456947	39457067	Gmdrm	hypo	CG	-0.7433
Gm09	39465556	39465913	Gmdrm	hypo	CG	-0.6471
Gm09	39467335	39467844	Gmdrm	hypo	CG	-0.8478
Gm09	39480248	39480492	Gmdrm	hypo	CG	-0.8213

Gm09	39489342	39489411	Gmdrm	hypo	CG	-0.9763
Gm09	39489694	39489804	Gmdrm	hypo	CG	-0.0814
Gm09	39501230	39501324	Gmdrm	hypo	CG	-0.4986
Gm09	39524162	39524319	Gmdrm	hypo	CG	-0.0543
Gm09	39541373	39541603	Gmdrm	hypo	CG	-0.0249
Gm09	39550737	39550968	Gmdrm	hypo	CG	-0.57
Gm09	39551129	39551338	Gmdrm	hypo	CG	-0.6987
Gm09	39555338	39555470	Gmdrm	hypo	CG	-0.1316
Gm09	39558788	39559086	Gmdrm	hypo	CG	-0.9232
Gm09	39577516	39577807	Gmdrm	hypo	CG	-0.0406
Gm09	39677434	39677607	Gmdrm	hypo	CG	-0.1533
Gm09	39690869	39690953	Gmdrm	hypo	CG	-0.544
Gm09	39704663	39704693	Gmdrm	hypo	CG	-0.028
Gm09	39723054	39723094	Gmdrm	hypo	CG	-0.56
Gm09	39723811	39723828	Gmdrm	hypo	CG	-0.68
Gm09	39727728	39727818	Gmdrm	hypo	CG	-0.7075
Gm09	39736112	39736517	Gmdrm	hypo	CG	-0.1914
Gm09	39760294	39760383	Gmdrm	hypo	CG	-0.44
Gm09	39790734	39790903	Gmdrm	hypo	CG	-0.3808
Gm09	39841108	39841388	Gmdrm	hypo	CG	-0.8888
Gm09	39841499	39841550	Gmdrm	hypo	CG	-0.945
Gm09	39848833	39849041	Gmdrm	hypo	CG	-0.9037
Gm09	39861465	39861563	Gmdrm	hypo	CG	-0.16
Gm09	39861968	39862602	Gmdrm	hypo	CG	-0.6016
Gm09	39871885	39871970	Gmdrm	hypo	CG	-0.038
Gm09	39872539	39872719	Gmdrm	hypo	CG	-0.8928
Gm09	39877629	39877712	Gmdrm	hypo	CG	-0.846
Gm09	39900527	39900809	Gmdrm	hypo	CG	-0.0525
Gm09	39975920	39976147	Gmdrm	hypo	CG	-0.3791
Gm09	40023958	40024118	Gmdrm	hypo	CG	-0.0333
Gm09	40025495	40026475	Gmdrm	hypo	CG	-0.0498
Gm09	40026498	40026578	Gmdrm	hypo	CG	-0.2683
Gm09	40038873	40039085	Gmdrm	hypo	CG	-0.3426
Gm09	40045075	40045239	Gmdrm	hypo	CG	-0.04
Gm09	40045349	40045510	Gmdrm	hypo	CG	-0.4633
Gm09	40071143	40071293	Gmdrm	hypo	CG	-0.1595
Gm09	40072892	40073245	Gmdrm	hypo	CG	-0.084
Gm09	40106823	40107004	Gmdrm	hypo	CG	-0.0314
Gm09	40144186	40144269	Gmdrm	hypo	CG	-0.6488
Gm09	40145424	40145625	Gmdrm	hypo	CG	-0.6371
Gm09	40254460	40254541	Gmdrm	hypo	CG	-0.5137
Gm09	40309590	40309658	Gmdrm	hypo	CG	-0.401
Gm09	40312510	40312632	Gmdrm	hypo	CG	-0.2517
Gm09	40319290	40319422	Gmdrm	hypo	CG	-0.7817
Gm09	40322789	40322907	Gmdrm	hypo	CG	-0.9078
Gm09	40333919	40334137	Gmdrm	hypo	CG	-0.4418

Gm09	40334367	40334469	Gmdrm	hypo	CG	-0.465
Gm09	40364977	40365112	Gmdrm	hypo	CG	-0.0909
Gm09	40365240	40365416	Gmdrm	hypo	CG	-0.4511
Gm09	40390097	40390190	Gmdrm	hypo	CG	-0.6133
Gm09	40401841	40402002	Gmdrm	hypo	CG	-0.0329
Gm09	40404694	40404839	Gmdrm	hypo	CG	-0.0843
Gm09	40468777	40468815	Gmdrm	hypo	CG	-0.758
Gm09	40545740	40545840	Gmdrm	hypo	CG	-0.3349
Gm09	40557926	40558104	Gmdrm	hypo	CG	-0.5599
Gm09	40575444	40575640	Gmdrm	hypo	CG	-0.793
Gm09	40587578	40587633	Gmdrm	hypo	CG	-0.931
Gm09	40592315	40592585	Gmdrm	hypo	CG	-0.8282
Gm09	40593601	40593755	Gmdrm	hypo	CG	-0.535
Gm09	40602912	40603225	Gmdrm	hypo	CG	-0.6358
Gm09	40630847	40630916	Gmdrm	hypo	CG	-0.5287
Gm09	40631366	40631394	Gmdrm	hypo	CG	-0.91
Gm09	40634637	40634971	Gmdrm	hypo	CG	-0.485
Gm09	40635205	40635315	Gmdrm	hypo	CG	-0.9457
Gm09	40659701	40660006	Gmdrm	hypo	CG	-0.4854
Gm09	40668963	40669148	Gmdrm	hypo	CG	-0.8785
Gm09	40680885	40681097	Gmdrm	hypo	CG	-0.9656
Gm09	40702066	40702197	Gmdrm	hypo	CG	-0.5688
Gm09	40715592	40715784	Gmdrm	hypo	CG	-0.3512
Gm09	40724741	40725170	Gmdrm	hypo	CG	-0.7081
Gm09	40732584	40732742	Gmdrm	hypo	CG	-0.914
Gm09	40742037	40742258	Gmdrm	hypo	CG	-0.798
Gm09	40754476	40754581	Gmdrm	hypo	CG	-0.7371
Gm09	40754742	40754858	Gmdrm	hypo	CG	-0.59
Gm09	40764576	40764925	Gmdrm	hypo	CG	-0.9425
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Gm09	40773509	40773591	Gmdrm	hypo	CG	-0.6275
Gm09	40834213	40834493	Gmdrm	hypo	CG	-0.0537
Gm09	40836107	40836169	Gmdrm	hypo	CG	-0.6883
Gm09	40844931	40845022	Gmdrm	hypo	CG	-0.15
Gm09	40868622	40868712	Gmdrm	hypo	CG	-0.04
Gm09	40869828	40869914	Gmdrm	hypo	CG	-0.192
Gm09	40870919	40871478	Gmdrm	hypo	CG	-0.3304
Gm09	40871886	40871984	Gmdrm	hypo	CG	-0.584
Gm09	40915719	40916115	Gmdrm	hypo	CG	-0.3168
Gm09	40922608	40923008	Gmdrm	hypo	CG	-0.457
Gm09	40984743	40984868	Gmdrm	hypo	CG	-0.575
Gm09	41011803	41011849	Gmdrm	hypo	CG	-0.676
Gm09	41014065	41014209	Gmdrm	hypo	CG	-0.373
Gm09	41019287	41019424	Gmdrm	hypo	CG	-0.4975
Gm09	41020037	41020428	Gmdrm	hypo	CG	-0.0842
Gm09	41020578	41020726	Gmdrm	hypo	CG	-0.129

Gm09	41038646	41038841	Gmdrm	hypo	CG	-0.8333
Gm09	41040633	41040734	Gmdrm	hypo	CG	-0.9593
Gm09	41056875	41057124	Gmdrm	hypo	CG	-0.6648
Gm09	41076961	41077009	Gmdrm	hypo	CG	-0.9583
Gm09	41077248	41077961	Gmdrm	hypo	CG	-0.4296
Gm09	41092357	41092769	Gmdrm	hypo	CG	-0.8529
Gm09	41105173	41105249	Gmdrm	hypo	CG	-0.7934
Gm09	41105438	41105596	Gmdrm	hypo	CG	-0.5612
Gm09	41126569	41126608	Gmdrm	hypo	CG	-0.5213
Gm09	41145641	41145966	Gmdrm	hypo	CG	-0.56
Gm09	41147178	41147288	Gmdrm	hypo	CG	-0.9488
Gm09	41149573	41149654	Gmdrm	hypo	CG	-0.709
Gm09	41150096	41150201	Gmdrm	hypo	CG	-0.5534
Gm09	41151116	41151504	Gmdrm	hypo	CG	-0.2613
Gm09	41156028	41156248	Gmdrm	hypo	CG	-0.1364
Gm09	41172248	41172382	Gmdrm	hypo	CG	-0.4578
Gm09	41221747	41221838	Gmdrm	hypo	CG	-0.9367
Gm09	41222045	41222182	Gmdrm	hypo	CG	-0.705
Gm09	41223908	41224128	Gmdrm	hypo	CG	-0.8212
Gm09	41224942	41225030	Gmdrm	hypo	CG	-0.367
Gm09	41230321	41230397	Gmdrm	hypo	CG	-0.2733
Gm09	41244446	41244618	Gmdrm	hypo	CG	-0.2317
Gm09	41244787	41245038	Gmdrm	hypo	CG	-0.133
Gm09	41246508	41246538	Gmdrm	hypo	CG	-0.4816
Gm09	41250891	41250926	Gmdrm	hypo	CG	-0.066
Gm09	41280098	41280265	Gmdrm	hypo	CG	-0.8438
Gm09	41280452	41280492	Gmdrm	hypo	CG	-0.055
Gm09	41283662	41283868	Gmdrm	hypo	CG	-0.066
Gm09	41295928	41296070	Gmdrm	hypo	CG	-0.1262
Gm09	41309799	41309889	Gmdrm	hypo	CG	-0.9413
Gm09	41316391	41316505	Gmdrm	hypo	CG	-0.416
Gm09	41328598	41328892	Gmdrm	hypo	CG	-0.438
Gm09	41333234	41333489	Gmdrm	hypo	CG	-0.0312
Gm09	41338267	41338318	Gmdrm	hypo	CG	-0.6663
Gm09	41348420	41348651	Gmdrm	hypo	CG	-0.0288
Gm09	41360157	41360258	Gmdrm	hypo	CG	-0.2988
Gm09	41361673	41361851	Gmdrm	hypo	CG	-0.712
Gm09	41371417	41371677	Gmdrm	hypo	CG	-0.8283
Gm09	41371853	41371995	Gmdrm	hypo	CG	-0.5383
Gm09	41372382	41372527	Gmdrm	hypo	CG	-0.4315
Gm09	41378597	41378731	Gmdrm	hypo	CG	-0.042
Gm09	41391987	41392057	Gmdrm	hypo	CG	-0.635
Gm09	41392200	41392366	Gmdrm	hypo	CG	-0.8708
Gm09	41392934	41392988	Gmdrm	hypo	CG	-0.61
Gm09	41393180	41393201	Gmdrm	hypo	CG	-0.9367
Gm09	41440642	41440734	Gmdrm	hypo	CG	-0.315

Gm09	41441517	41441644	Gmdrm	hypo	CG	-0.9667
Gm09	41444538	41444557	Gmdrm	hypo	CG	-0.2875
Gm09	41444674	41444741	Gmdrm	hypo	CG	-0.205
Gm09	41461655	41461997	Gmdrm	hypo	CG	-0.485
Gm09	41462518	41462561	Gmdrm	hypo	CG	-0.925
Gm09	41463168	41463206	Gmdrm	hypo	CG	-0.2587
Gm09	41474863	41474939	Gmdrm	hypo	CG	-0.8237
Gm09	41505760	41506029	Gmdrm	hypo	CG	-0.1186
Gm09	41512244	41512411	Gmdrm	hypo	CG	-0.4385
Gm09	41543879	41543989	Gmdrm	hypo	CG	-0.4588
Gm09	41561739	41562048	Gmdrm	hypo	CG	-0.4933
Gm09	41581756	41582097	Gmdrm	hypo	CG	-0.27
Gm09	41595439	41595508	Gmdrm	hypo	CG	-0.695
Gm09	41595612	41595739	Gmdrm	hypo	CG	-0.335
Gm09	41604759	41604900	Gmdrm	hypo	CG	-0.4612
Gm09	41605033	41605079	Gmdrm	hypo	CG	-0.3434
Gm09	41605716	41605883	Gmdrm	hypo	CG	-0.055
Gm09	41635231	41635394	Gmdrm	hypo	CG	-0.8434
Gm09	41646696	41646710	Gmdrm	hypo	CG	-0.8267
Gm09	41651174	41651354	Gmdrm	hypo	CG	-0.6316
Gm09	41651484	41651531	Gmdrm	hypo	CG	-0.8188
Gm09	41662449	41662740	Gmdrm	hypo	CG	-0.2494
Gm09	41687612	41687733	Gmdrm	hypo	CG	-0.3712
Gm09	41692707	41692921	Gmdrm	hypo	CG	-0.8257
Gm09	41709038	41709735	Gmdrm	hypo	CG	-0.0427
Gm09	41710593	41710658	Gmdrm	hypo	CG	-0.23
Gm09	41727416	41727992	Gmdrm	hypo	CG	-0.6237
Gm09	41739426	41739827	Gmdrm	hypo	CG	-0.6124
Gm09	41739934	41740344	Gmdrm	hypo	CG	-0.3953
Gm09	41746153	41746345	Gmdrm	hypo	CG	-0.9332
Gm09	41746571	41746698	Gmdrm	hypo	CG	-0.9194
Gm09	41763749	41763860	Gmdrm	hypo	CG	-0.2325
Gm09	41764051	41764246	Gmdrm	hypo	CG	-0.2275
Gm09	41773013	41773168	Gmdrm	hypo	CG	-0.588
Gm09	41776859	41776966	Gmdrm	hypo	CG	-0.8051
Gm09	41781807	41782100	Gmdrm	hypo	CG	-0.4784
Gm09	41791846	41791943	Gmdrm	hypo	CG	-0.7667
Gm09	41807772	41807906	Gmdrm	hypo	CG	-0.62
Gm09	41833541	41833707	Gmdrm	hypo	CG	-0.1477
Gm09	41905948	41906183	Gmdrm	hypo	CG	-0.8175
Gm09	41920516	41920815	Gmdrm	hypo	CG	-0.5154
Gm09	41920963	41921061	Gmdrm	hypo	CG	-0.6612
Gm09	41935268	41935766	Gmdrm	hypo	CG	-0.2165
Gm09	41943874	41944218	Gmdrm	hypo	CG	-0.6458
Gm09	41953307	41953465	Gmdrm	hypo	CG	-0.5122
Gm09	41953568	41953747	Gmdrm	hypo	CG	-0.9008

Gm09	41954191	41954243	Gmdrm	hypo	CG	-0.785
Gm09	41955572	41955682	Gmdrm	hypo	CG	-0.9533
Gm09	41964850	41964998	Gmdrm	hypo	CG	-0.92
Gm09	42002723	42002802	Gmdrm	hypo	CG	-0.8949
Gm09	42003219	42003324	Gmdrm	hypo	CG	-0.92
Gm09	42042394	42042609	Gmdrm	hypo	CG	-0.7708
Gm09	42043538	42043656	Gmdrm	hypo	CG	-0.8905
Gm09	42089774	42089917	Gmdrm	hypo	CG	-0.3155
Gm09	42111745	42111831	Gmdrm	hypo	CG	-0.3583
Gm09	42119726	42119760	Gmdrm	hypo	CG	-0.038
Gm09	42124454	42124876	Gmdrm	hypo	CG	-0.8235
Gm09	42126080	42126147	Gmdrm	hypo	CG	-0.9712
Gm09	42150884	42150990	Gmdrm	hypo	CG	-0.05
Gm09	42152972	42153048	Gmdrm	hypo	CG	-0.205
Gm09	42153564	42153711	Gmdrm	hypo	CG	-0.8412
Gm09	42161991	42162136	Gmdrm	hypo	CG	-0.485
Gm09	42207179	42207291	Gmdrm	hypo	CG	-0.7033
Gm09	42207597	42207628	Gmdrm	hypo	CG	-0.5084
Gm09	42220951	42221027	Gmdrm	hypo	CG	-0.086
Gm09	42225495	42226349	Gmdrm	hypo	CG	-0.0515
Gm09	42227268	42227509	Gmdrm	hypo	CG	-0.0884
Gm09	42230564	42230649	Gmdrm	hypo	CG	-0.6112
Gm09	42230803	42230850	Gmdrm	hypo	CG	-0.3417
Gm09	42245530	42245649	Gmdrm	hypo	CG	-0.84
Gm09	42250611	42250713	Gmdrm	hypo	CG	-0.3175
Gm09	42259424	42259600	Gmdrm	hypo	CG	-0.0638
Gm09	42276203	42276309	Gmdrm	hypo	CG	-0.086
Gm09	42335267	42335636	Gmdrm	hypo	CG	-0.8254
Gm09	42336658	42336844	Gmdrm	hypo	CG	-0.6994
Gm09	42354850	42354907	Gmdrm	hypo	CG	-0.758
Gm09	42355077	42355104	Gmdrm	hypo	CG	-0.115
Gm09	42356042	42356862	Gmdrm	hypo	CG	-0.372
Gm09	42360487	42360598	Gmdrm	hypo	CG	-0.04
Gm09	42365094	42365135	Gmdrm	hypo	CG	-0.5817
Gm09	42396125	42396848	Gmdrm	hypo	CG	-0.0764
Gm09	42398261	42398343	Gmdrm	hypo	CG	-0.3587
Gm09	42416333	42416478	Gmdrm	hypo	CG	-0.475
Gm09	42418262	42418298	Gmdrm	hypo	CG	-0.328
Gm09	42423191	42423417	Gmdrm	hypo	CG	-0.4655
Gm09	42445116	42445325	Gmdrm	hypo	CG	-0.6415
Gm09	42463488	42463637	Gmdrm	hypo	CG	-0.95
Gm09	42464343	42464506	Gmdrm	hypo	CG	-0.434
Gm09	42468201	42468298	Gmdrm	hypo	CG	-0.056
Gm09	42468586	42468664	Gmdrm	hypo	CG	-0.72
Gm09	42471023	42471139	Gmdrm	hypo	CG	-0.32
Gm09	42473191	42473294	Gmdrm	hypo	CG	-0.758

Gm09	42486942	42487199	Gmdrm	hypo	CG	-0.0312
Gm09	42500122	42500167	Gmdrm	hypo	CG	-0.8463
Gm09	42511030	42511156	Gmdrm	hypo	CG	-0.558
Gm09	42563787	42564115	Gmdrm	hypo	CG	-0.0675
Gm09	42593661	42593830	Gmdrm	hypo	CG	-0.54
Gm09	42598668	42598907	Gmdrm	hypo	CG	-0.1757
Gm09	42600693	42600780	Gmdrm	hypo	CG	-0.03
Gm09	42641039	42641175	Gmdrm	hypo	CG	-0.214
Gm09	42645584	42645733	Gmdrm	hypo	CG	-0.534
Gm09	42665991	42666156	Gmdrm	hypo	CG	-0.7675
Gm09	42666294	42666501	Gmdrm	hypo	CG	-0.9022
Gm09	42677999	42678242	Gmdrm	hypo	CG	-0.885
Gm09	42686350	42686400	Gmdrm	hypo	CG	-0.923
Gm09	42700351	42700642	Gmdrm	hypo	CG	-0.0312
Gm09	42709564	42709720	Gmdrm	hypo	CG	-0.6586
Gm09	42709884	42710002	Gmdrm	hypo	CG	-0.6437
Gm09	42721070	42721541	Gmdrm	hypo	CG	-0.675
Gm09	42765171	42765266	Gmdrm	hypo	CG	-0.038
Gm09	42765375	42765531	Gmdrm	hypo	CG	-0.9093
Gm09	42776449	42776628	Gmdrm	hypo	CG	-0.3995
Gm09	42776756	42776973	Gmdrm	hypo	CG	-0.19
Gm09	42809558	42809670	Gmdrm	hypo	CG	-0.16
Gm09	42810252	42810346	Gmdrm	hypo	CG	-0.8825
Gm09	42819450	42819559	Gmdrm	hypo	CG	-0.83
Gm09	42820065	42820249	Gmdrm	hypo	CG	-0.834
Gm09	42820555	42820815	Gmdrm	hypo	CG	-0.9364
Gm09	42844081	42844219	Gmdrm	hypo	CG	-0.3863
Gm09	42850775	42850827	Gmdrm	hypo	CG	-0.8117
Gm09	42861969	42862104	Gmdrm	hypo	CG	-0.032
Gm09	42912626	42912703	Gmdrm	hypo	CG	-0.2925
Gm09	42917977	42918114	Gmdrm	hypo	CG	-0.0827
Gm09	42920704	42920988	Gmdrm	hypo	CG	-0.6327
Gm09	42945736	42945901	Gmdrm	hypo	CG	-0.2338
Gm09	42946006	42946064	Gmdrm	hypo	CG	-0.2526
Gm09	42957577	42957756	Gmdrm	hypo	CG	-0.0533
Gm09	42970632	42970737	Gmdrm	hypo	CG	-0.63
Gm09	42985205	42985267	Gmdrm	hypo	CG	-0.5714
Gm09	42988857	42988963	Gmdrm	hypo	CG	-0.028
Gm09	42995993	42996093	Gmdrm	hypo	CG	-0.793
Gm09	42999771	42999800	Gmdrm	hypo	CG	-0.1317
Gm09	43008769	43008939	Gmdrm	hypo	CG	-0.6012
Gm09	43011049	43011692	Gmdrm	hypo	CG	-0.4348
Gm09	43054518	43054665	Gmdrm	hypo	CG	-0.4163
Gm09	43057978	43058154	Gmdrm	hypo	CG	-0.0667
Gm09	43071061	43071117	Gmdrm	hypo	CG	-0.6689
Gm09	43107364	43107638	Gmdrm	hypo	CG	-0.4722

Gm09	43113379	43113480	Gmdrm	hypo	CG	-0.855
Gm09	43120083	43120240	Gmdrm	hypo	CG	-0.762
Gm09	43129188	43129323	Gmdrm	hypo	CG	-0.8813
Gm09	43151454	43151692	Gmdrm	hypo	CG	-0.06
Gm09	43169958	43170092	Gmdrm	hypo	CG	-0.04
Gm09	43171570	43171655	Gmdrm	hypo	CG	-0.1429
Gm09	43171782	43171992	Gmdrm	hypo	CG	-0.281
Gm09	43190452	43190843	Gmdrm	hypo	CG	-0.4212
Gm09	43209840	43209877	Gmdrm	hypo	CG	-0.9362
Gm09	43213774	43214108	Gmdrm	hypo	CG	-0.6621
Gm09	43215265	43215606	Gmdrm	hypo	CG	-0.4273
Gm09	43219539	43219584	Gmdrm	hypo	CG	-0.695
Gm09	43220286	43220450	Gmdrm	hypo	CG	-0.2562
Gm09	43220764	43220877	Gmdrm	hypo	CG	-0.9413
Gm09	43243248	43243287	Gmdrm	hypo	CG	-0.4717
Gm09	43349209	43349340	Gmdrm	hypo	CG	-0.7362
Gm09	43350909	43351107	Gmdrm	hypo	CG	-0.9164
Gm09	43351689	43351736	Gmdrm	hypo	CG	-0.76
Gm09	43351888	43352502	Gmdrm	hypo	CG	-0.1903
Gm09	43363501	43363599	Gmdrm	hypo	CG	-0.0389
Gm09	43366669	43366899	Gmdrm	hypo	CG	-0.786
Gm09	43367029	43367173	Gmdrm	hypo	CG	-0.058
Gm09	43387549	43387783	Gmdrm	hypo	CG	-0.2043
Gm09	43415793	43415975	Gmdrm	hypo	CG	-0.1434
Gm09	43416587	43417010	Gmdrm	hypo	CG	-0.6176
Gm09	43420281	43420566	Gmdrm	hypo	CG	-0.0694
Gm09	43423354	43423433	Gmdrm	hypo	CG	-0.8049
Gm09	43423560	43423669	Gmdrm	hypo	CG	-0.4166
Gm09	43425037	43425174	Gmdrm	hypo	CG	-0.46
Gm09	43425529	43425623	Gmdrm	hypo	CG	-0.803
Gm09	43427368	43427634	Gmdrm	hypo	CG	-0.8106
Gm09	43430111	43430230	Gmdrm	hypo	CG	-0.115
Gm09	43435895	43436089	Gmdrm	hypo	CG	-0.05
Gm09	43438963	43439587	Gmdrm	hypo	CG	-0.5147
Gm09	43464623	43464713	Gmdrm	hypo	CG	-0.319
Gm09	43473081	43473189	Gmdrm	hypo	CG	-0.4428
Gm09	43473485	43473576	Gmdrm	hypo	CG	-0.582
Gm09	43474143	43474475	Gmdrm	hypo	CG	-0.7605
Gm09	43494383	43494453	Gmdrm	hypo	CG	-0.062
Gm09	43503357	43503648	Gmdrm	hypo	CG	-0.5758
Gm09	43504356	43504517	Gmdrm	hypo	CG	-0.3445
Gm09	43509051	43509297	Gmdrm	hypo	CG	-0.7362
Gm09	43547421	43547535	Gmdrm	hypo	CG	-0.6
Gm09	43581080	43581424	Gmdrm	hypo	CG	-0.7409
Gm09	43581553	43581643	Gmdrm	hypo	CG	-0.76
Gm09	43582158	43582384	Gmdrm	hypo	CG	-0.06

Gm09	43592870	43592968	Gmdrm	hypo	CG	-0.04
Gm09	43596789	43597046	Gmdrm	hypo	CG	-0.0571
Gm09	43667070	43667179	Gmdrm	hypo	CG	-0.961
Gm09	43670945	43671110	Gmdrm	hypo	CG	-0.7775
Gm09	43671280	43671372	Gmdrm	hypo	CG	-0.1843
Gm09	43677469	43677586	Gmdrm	hypo	CG	-0.0567
Gm09	43697323	43697569	Gmdrm	hypo	CG	-0.5067
Gm09	43741804	43741916	Gmdrm	hypo	CG	-0.6
Gm09	43787527	43787555	Gmdrm	hypo	CG	-0.5033
Gm09	43790309	43790388	Gmdrm	hypo	CG	-0.9516
Gm09	43790937	43791114	Gmdrm	hypo	CG	-0.8583
Gm09	43800478	43800569	Gmdrm	hypo	CG	-0.6
Gm09	43800712	43800844	Gmdrm	hypo	CG	-0.5878
Gm09	43801130	43801177	Gmdrm	hypo	CG	-0.295
Gm09	43801328	43801352	Gmdrm	hypo	CG	-0.7167
Gm09	43801468	43801538	Gmdrm	hypo	CG	-0.91
Gm09	43811189	43811337	Gmdrm	hypo	CG	-0.3273
Gm09	43811989	43812164	Gmdrm	hypo	CG	-0.7962
Gm09	43813766	43813873	Gmdrm	hypo	CG	-0.43
Gm09	43829495	43829685	Gmdrm	hypo	CG	-0.8724
Gm09	43835920	43835936	Gmdrm	hypo	CG	-0.8783
Gm09	43840551	43840863	Gmdrm	hypo	CG	-0.434
Gm09	43841020	43841134	Gmdrm	hypo	CG	-0.5194
Gm09	43871492	43871621	Gmdrm	hypo	CG	-0.146
Gm09	43884114	43884307	Gmdrm	hypo	CG	-0.5067
Gm09	43913047	43913136	Gmdrm	hypo	CG	-0.339
Gm09	43913578	43913695	Gmdrm	hypo	CG	-0.1676
Gm09	43913832	43914047	Gmdrm	hypo	CG	-0.4871
Gm09	43918353	43918425	Gmdrm	hypo	CG	-0.1843
Gm09	43918859	43919037	Gmdrm	hypo	CG	-0.536
Gm09	43935764	43935889	Gmdrm	hypo	CG	-0.052
Gm09	43947084	43947133	Gmdrm	hypo	CG	-0.0314
Gm09	43948376	43948741	Gmdrm	hypo	CG	-0.3155
Gm09	43949220	43949279	Gmdrm	hypo	CG	-0.57
Gm09	43963069	43963408	Gmdrm	hypo	CG	-0.0704
Gm09	43979393	43979524	Gmdrm	hypo	CG	-0.921
Gm09	43987090	43987336	Gmdrm	hypo	CG	-0.085
Gm09	43993280	43993478	Gmdrm	hypo	CG	-0.6409
Gm09	44001122	44001266	Gmdrm	hypo	CG	-0.07
Gm09	44013894	44014034	Gmdrm	hypo	CG	-0.4925
Gm09	44073586	44073860	Gmdrm	hypo	CG	-0.0575
Gm09	44105974	44106165	Gmdrm	hypo	CG	-0.67
Gm09	44138187	44138415	Gmdrm	hypo	CG	-0.615
Gm09	44141342	44141444	Gmdrm	hypo	CG	-0.227
Gm09	44158643	44158844	Gmdrm	hypo	CG	-0.8262
Gm09	44181800	44181860	Gmdrm	hypo	CG	-0.953

Gm09	44182198	44182487	Gmdrm	hypo	CG	-0.5311
Gm09	44246746	44246834	Gmdrm	hypo	CG	-0.0378
Gm09	44276162	44276881	Gmdrm	hypo	CG	-0.6572
Gm09	44341993	44342042	Gmdrm	hypo	CG	-0.285
Gm09	44342815	44343053	Gmdrm	hypo	CG	-0.6334
Gm09	44346078	44346114	Gmdrm	hypo	CG	-0.0966
Gm09	44351888	44352085	Gmdrm	hypo	CG	-0.2367
Gm09	44352372	44352666	Gmdrm	hypo	CG	-0.8464
Gm09	44380820	44380858	Gmdrm	hypo	CG	-0.6688
Gm09	44383325	44383510	Gmdrm	hypo	CG	-0.0684
Gm09	44397162	44397260	Gmdrm	hypo	CG	-0.118
Gm09	44397582	44397619	Gmdrm	hypo	CG	-0.6066
Gm09	44397855	44397882	Gmdrm	hypo	CG	-0.915
Gm09	44433187	44433354	Gmdrm	hypo	CG	-0.8972
Gm09	44453570	44453689	Gmdrm	hypo	CG	-0.5633
Gm09	44464328	44465075	Gmdrm	hypo	CG	-0.3489
Gm09	44484508	44484678	Gmdrm	hypo	CG	-0.038
Gm09	44485473	44485591	Gmdrm	hypo	CG	-0.948
Gm09	44507135	44507644	Gmdrm	hypo	CG	-0.6668
Gm09	44513561	44513623	Gmdrm	hypo	CG	-0.4067
Gm09	44515278	44515408	Gmdrm	hypo	CG	-0.6114
Gm09	44551158	44551259	Gmdrm	hypo	CG	-0.3466
Gm09	44566171	44566218	Gmdrm	hypo	CG	-0.0517
Gm09	44581509	44581680	Gmdrm	hypo	CG	-0.601
Gm09	44581947	44582327	Gmdrm	hypo	CG	-0.1907
Gm09	44582433	44582588	Gmdrm	hypo	CG	-0.7413
Gm09	44582692	44582802	Gmdrm	hypo	CG	-0.865
Gm09	44612646	44612701	Gmdrm	hypo	CG	-0.894
Gm09	44635993	44636231	Gmdrm	hypo	CG	-0.9047
Gm09	44639246	44639463	Gmdrm	hypo	CG	-0.8854
Gm09	44640634	44640661	Gmdrm	hypo	CG	-0.14
Gm09	44646596	44646851	Gmdrm	hypo	CG	-0.5715
Gm09	44653536	44653729	Gmdrm	hypo	CG	-0.301
Gm09	44654091	44654234	Gmdrm	hypo	CG	-0.31
Gm09	44671868	44671971	Gmdrm	hypo	CG	-0.614
Gm09	44677718	44677901	Gmdrm	hypo	CG	-0.8562
Gm09	44763234	44763450	Gmdrm	hypo	CG	-0.04
Gm09	44785195	44785220	Gmdrm	hypo	CG	-0.5983
Gm09	44805362	44805414	Gmdrm	hypo	CG	-0.865
Gm09	44811100	44811228	Gmdrm	hypo	CG	-0.052
Gm09	44811536	44811792	Gmdrm	hypo	CG	-0.55
Gm09	44829273	44829367	Gmdrm	hypo	CG	-0.072
Gm09	44833586	44833741	Gmdrm	hypo	CG	-0.4192
Gm09	44833945	44834118	Gmdrm	hypo	CG	-0.2233
Gm09	44858496	44858556	Gmdrm	hypo	CG	-0.7017
Gm09	44862973	44863111	Gmdrm	hypo	CG	-0.5543

Gm09	44871696	44871860	Gmdrm	hypo	CG	-0.9769
Gm09	44896765	44897010	Gmdrm	hypo	CG	-0.69
Gm09	44898470	44898679	Gmdrm	hypo	CG	-0.8417
Gm09	44899009	44899106	Gmdrm	hypo	CG	-0.1188
Gm09	44899397	44899786	Gmdrm	hypo	CG	-0.284
Gm09	44905971	44906101	Gmdrm	hypo	CG	-0.1281
Gm09	44932492	44932601	Gmdrm	hypo	CG	-0.8512
Gm09	44949350	44949558	Gmdrm	hypo	CG	-0.45
Gm09	44958992	44959063	Gmdrm	hypo	CG	-0.6416
Gm09	44959232	44959511	Gmdrm	hypo	CG	-0.3177
Gm09	44961190	44961300	Gmdrm	hypo	CG	-0.106
Gm09	44961583	44961632	Gmdrm	hypo	CG	-0.9608
Gm09	44965637	44965681	Gmdrm	hypo	CG	-0.1617
Gm09	44974347	44974398	Gmdrm	hypo	CG	-0.2375
Gm09	44975515	44975624	Gmdrm	hypo	CG	-0.9017
Gm09	44979425	44979644	Gmdrm	hypo	CG	-0.8878
Gm09	44985779	44985970	Gmdrm	hypo	CG	-0.4457
Gm09	44986409	44986661	Gmdrm	hypo	CG	-0.7779
Gm09	44987530	44987637	Gmdrm	hypo	CG	-0.5875
Gm09	45080215	45080367	Gmdrm	hypo	CG	-0.56
Gm09	45082207	45082360	Gmdrm	hypo	CG	-0.1867
Gm09	45082483	45082496	Gmdrm	hypo	CG	-0.4533
Gm09	45082841	45083051	Gmdrm	hypo	CG	-0.6555
Gm09	45093070	45093215	Gmdrm	hypo	CG	-0.6612
Gm09	45094203	45094338	Gmdrm	hypo	CG	-0.9386
Gm09	45141773	45141930	Gmdrm	hypo	CG	-0.2817
Gm09	45147022	45147295	Gmdrm	hypo	CG	-0.0786
Gm09	45147891	45148218	Gmdrm	hypo	CG	-0.0748
Gm09	45182244	45182262	Gmdrm	hypo	CG	-0.8166
Gm09	45182457	45182641	Gmdrm	hypo	CG	-0.6805
Gm09	45229824	45229995	Gmdrm	hypo	CG	-0.0433
Gm09	45246745	45246870	Gmdrm	hypo	CG	-0.0667
Gm09	45271286	45271645	Gmdrm	hypo	CG	-0.0429
Gm09	45272830	45273135	Gmdrm	hypo	CG	-0.0846
Gm09	45284656	45284731	Gmdrm	hypo	CG	-0.0243
Gm09	45294439	45294573	Gmdrm	hypo	CG	-0.6714
Gm09	45295713	45295883	Gmdrm	hypo	CG	-0.4125
Gm09	45304928	45305238	Gmdrm	hypo	CG	-0.35
Gm09	45306064	45306161	Gmdrm	hypo	CG	-0.8509
Gm09	45313979	45314110	Gmdrm	hypo	CG	-0.06
Gm09	45323432	45323576	Gmdrm	hypo	CG	-0.484
Gm09	45351730	45351886	Gmdrm	hypo	CG	-0.222
Gm09	45354381	45354483	Gmdrm	hypo	CG	-0.2067
Gm09	45364623	45364798	Gmdrm	hypo	CG	-0.8459
Gm09	45380369	45380429	Gmdrm	hypo	CG	-0.755
Gm09	45392774	45392913	Gmdrm	hypo	CG	-0.285

Gm09	45393715	45393853	Gmdrm	hypo	CG	-0.038
Gm09	45421569	45421701	Gmdrm	hypo	CG	-0.0408
Gm09	45448351	45448494	Gmdrm	hypo	CG	-0.1416
Gm09	45449756	45449846	Gmdrm	hypo	CG	-0.1912
Gm09	45459782	45460073	Gmdrm	hypo	CG	-0.7771
Gm09	45460615	45461055	Gmdrm	hypo	CG	-0.5827
Gm09	45466725	45466844	Gmdrm	hypo	CG	-0.6708
Gm09	45466966	45467169	Gmdrm	hypo	CG	-0.8157
Gm09	45477245	45477326	Gmdrm	hypo	CG	-0.9815
Gm09	45494305	45494826	Gmdrm	hypo	CG	-0.4971
Gm09	45510066	45510242	Gmdrm	hypo	CG	-0.79
Gm09	45529695	45530006	Gmdrm	hypo	CG	-0.4734
Gm09	45531585	45531773	Gmdrm	hypo	CG	-0.9359
Gm09	45544186	45544278	Gmdrm	hypo	CG	-0.2383
Gm09	45557395	45557466	Gmdrm	hypo	CG	-0.0367
Gm09	45560427	45560644	Gmdrm	hypo	CG	-0.8528
Gm09	45560913	45561033	Gmdrm	hypo	CG	-0.9312
Gm09	45588229	45588511	Gmdrm	hypo	CG	-0.547
Gm09	45589095	45589133	Gmdrm	hypo	CG	-0.7884
Gm09	45589648	45589909	Gmdrm	hypo	CG	-0.72
Gm09	45603609	45603848	Gmdrm	hypo	CG	-0.056
Gm09	45605364	45605690	Gmdrm	hypo	CG	-0.0688
Gm09	45605994	45606094	Gmdrm	hypo	CG	-0.1167
Gm09	45644279	45644443	Gmdrm	hypo	CG	-0.7693
Gm09	45647309	45647400	Gmdrm	hypo	CG	-0.6916
Gm09	45664634	45664755	Gmdrm	hypo	CG	-0.6909
Gm09	45664913	45664960	Gmdrm	hypo	CG	-0.1775
Gm09	45665193	45665311	Gmdrm	hypo	CG	-0.2837
Gm09	45691768	45691891	Gmdrm	hypo	CG	-0.677
Gm09	45751805	45751916	Gmdrm	hypo	CG	-0.6467
Gm09	45768570	45768743	Gmdrm	hypo	CG	-0.564
Gm09	45794896	45794994	Gmdrm	hypo	CG	-0.5314
Gm09	45811299	45811581	Gmdrm	hypo	CG	-0.6205
Gm09	45812794	45812819	Gmdrm	hypo	CG	-0.7525
Gm09	45812920	45813097	Gmdrm	hypo	CG	-0.53
Gm09	45830690	45830866	Gmdrm	hypo	CG	-0.036
Gm09	45837020	45837148	Gmdrm	hypo	CG	-0.0449
Gm09	45844829	45844859	Gmdrm	hypo	CG	-0.485
Gm09	45849196	45849252	Gmdrm	hypo	CG	-0.095
Gm09	45916010	45916140	Gmdrm	hypo	CG	-0.1925
Gm09	45931705	45931809	Gmdrm	hypo	CG	-0.946
Gm09	45932082	45932228	Gmdrm	hypo	CG	-0.7667
Gm09	45946079	45946255	Gmdrm	hypo	CG	-0.0378
Gm09	45969127	45969272	Gmdrm	hypo	CG	-0.66
Gm09	45983621	45983798	Gmdrm	hypo	CG	-0.2962
Gm09	45990868	45991072	Gmdrm	hypo	CG	-0.6256

Gm09	46016236	46016695	Gmdrm	hypo	CG	-0.6619
Gm09	46037597	46037801	Gmdrm	hypo	CG	-0.1367
Gm09	46038886	46039184	Gmdrm	hypo	CG	-0.363
Gm09	46105482	46105608	Gmdrm	hypo	CG	-0.94
Gm09	46108355	46108569	Gmdrm	hypo	CG	-0.0343
Gm09	46108674	46108793	Gmdrm	hypo	CG	-0.5187
Gm09	46131885	46131931	Gmdrm	hypo	CG	-0.05
Gm09	46144922	46145013	Gmdrm	hypo	CG	-0.4417
Gm09	46145225	46145269	Gmdrm	hypo	CG	-0.5813
Gm09	46151897	46152140	Gmdrm	hypo	CG	-0.8732
Gm09	46156392	46156520	Gmdrm	hypo	CG	-0.848
Gm09	46156709	46156989	Gmdrm	hypo	CG	-0.5227
Gm09	46166131	46166539	Gmdrm	hypo	CG	-0.7459
Gm09	46167896	46167905	Gmdrm	hypo	CG	-0.07
Gm09	46179537	46179719	Gmdrm	hypo	CG	-0.603
Gm09	46190061	46190327	Gmdrm	hypo	CG	-0.3718
Gm09	46198179	46198276	Gmdrm	hypo	CG	-0.6117
Gm09	46208798	46208869	Gmdrm	hypo	CG	-0.9675
Gm09	46238212	46238411	Gmdrm	hypo	CG	-0.9556
Gm09	46252087	46252203	Gmdrm	hypo	CG	-0.8834
Gm09	46264639	46264741	Gmdrm	hypo	CG	-0.4437
Gm09	46314377	46314571	Gmdrm	hypo	CG	-0.4007
Gm09	46322631	46322738	Gmdrm	hypo	CG	-0.0462
Gm09	46354785	46354813	Gmdrm	hypo	CG	-0.5333
Gm09	46367210	46367332	Gmdrm	hypo	CG	-0.459
Gm09	46369791	46369973	Gmdrm	hypo	CG	-0.03
Gm09	46467812	46468017	Gmdrm	hypo	CG	-0.8775
Gm09	46500072	46500260	Gmdrm	hypo	CG	-0.1086
Gm09	46508701	46508743	Gmdrm	hypo	CG	-0.395
Gm09	46508894	46509090	Gmdrm	hypo	CG	-0.66
Gm09	46509273	46509369	Gmdrm	hypo	CG	-0.928
Gm09	46509498	46509710	Gmdrm	hypo	CG	-0.5009
Gm09	46517602	46517709	Gmdrm	hypo	CG	-0.8937
Gm09	46530835	46530989	Gmdrm	hypo	CG	-0.5292
Gm09	46551417	46551592	Gmdrm	hypo	CG	-0.25
Gm09	46555950	46556075	Gmdrm	hypo	CG	-0.055
Gm09	46561879	46561923	Gmdrm	hypo	CG	-0.9237
Gm09	46639781	46639927	Gmdrm	hypo	CG	-0.5734
Gm09	46647209	46647404	Gmdrm	hypo	CG	-0.9049
Gm09	46668060	46668079	Gmdrm	hypo	CG	-0.465
Gm09	46682054	46682138	Gmdrm	hypo	CG	-0.4283
Gm09	46696487	46696624	Gmdrm	hypo	CG	-0.965
Gm09	46697926	46698214	Gmdrm	hypo	CG	-0.4759
Gm09	46703844	46703966	Gmdrm	hypo	CG	-0.9149
Gm09	46709037	46709170	Gmdrm	hypo	CG	-0.786
Gm09	46710687	46710777	Gmdrm	hypo	CG	-0.036

Gm09	46749015	46749052	Gmdrm	hypo	CG	-0.61
Gm09	46778950	46779077	Gmdrm	hypo	CG	-0.0245
Gm09	46789213	46789238	Gmdrm	hypo	CG	-0.048
Gm09	46796196	46796443	Gmdrm	hypo	CG	-0.484
Gm09	46808639	46808823	Gmdrm	hypo	CG	-0.6725
Gm09	46839622	46839660	Gmdrm	hypo	CG	-0.68
Gm09	46849426	46849868	Gmdrm	hypo	CG	-0.8228
Gm09	46881539	46881631	Gmdrm	hypo	CG	-0.588
Gm09	46892213	46892365	Gmdrm	hypo	CG	-0.6426
Gm09	46897634	46897802	Gmdrm	hypo	CG	-0.4546
Gm09	46907296	46907368	Gmdrm	hypo	CG	-0.52
Gm09	46916024	46916299	Gmdrm	hypo	CG	-0.5838
Gm09	46916586	46917042	Gmdrm	hypo	CG	-0.5004
Gm09	46931661	46932051	Gmdrm	hypo	CG	-0.4944
Gm09	46940473	46940515	Gmdrm	hypo	CG	-0.3533
Gm09	46956414	46956485	Gmdrm	hypo	CG	-0.7827
Gm09	47003264	47003434	Gmdrm	hypo	CG	-0.055
Gm09	47022026	47022052	Gmdrm	hypo	CG	-0.572
Gm09	47107484	47107713	Gmdrm	hypo	CG	-0.0367
Gm09	47162469	47162532	Gmdrm	hypo	CG	-0.5783
Gm09	47226184	47226370	Gmdrm	hypo	CG	-0.0483
Gm09	47229204	47229294	Gmdrm	hypo	CG	-0.972
Gm09	47247967	47248220	Gmdrm	hypo	CG	-0.6883
Gm09	47249972	47250542	Gmdrm	hypo	CG	-0.0242
Gm09	47257723	47257800	Gmdrm	hypo	CG	-0.815
Gm09	47257959	47258053	Gmdrm	hypo	CG	-0.9561
Gm09	47259675	47259768	Gmdrm	hypo	CG	-0.3042
Gm09	47288413	47288672	Gmdrm	hypo	CG	-0.3107
Gm09	47288864	47289051	Gmdrm	hypo	CG	-0.1312
Gm09	47317363	47317405	Gmdrm	hypo	CG	-0.6757
Gm09	47330762	47330877	Gmdrm	hypo	CG	-0.9392
Gm09	47348981	47349171	Gmdrm	hypo	CG	-0.9237
Gm09	47382159	47382240	Gmdrm	hypo	CG	-0.8638
Gm09	47418159	47418346	Gmdrm	hypo	CG	-0.3134
Gm09	47418691	47418794	Gmdrm	hypo	CG	-0.6683
Gm09	47424661	47424799	Gmdrm	hypo	CG	-0.74
Gm09	47439295	47439449	Gmdrm	hypo	CG	-0.9556
Gm09	47457058	47457236	Gmdrm	hypo	CG	-0.66
Gm09	47463969	47464036	Gmdrm	hypo	CG	-0.858
Gm09	47464331	47464679	Gmdrm	hypo	CG	-0.4536
Gm09	47485314	47485561	Gmdrm	hypo	CG	-0.2136
Gm09	47488945	47489169	Gmdrm	hypo	CG	-0.8759
Gm09	47496941	47497006	Gmdrm	hypo	CG	-0.365
Gm09	47510814	47511062	Gmdrm	hypo	CG	-0.5524
Gm09	47516829	47516917	Gmdrm	hypo	CG	-0.515
Gm09	47548741	47548814	Gmdrm	hypo	CG	-0.9183

Gm09	47568347	47568496	Gmdrm	hypo	CG	-0.8486
Gm09	47568615	47568792	Gmdrm	hypo	CG	-0.3193
Gm09	47569260	47569704	Gmdrm	hypo	CG	-0.112
Gm09	47614640	47614815	Gmdrm	hypo	CG	-0.1491
Gm09	47627682	47627797	Gmdrm	hypo	CG	-0.6814
Gm09	47627920	47628067	Gmdrm	hypo	CG	-0.384
Gm09	47628189	47628364	Gmdrm	hypo	CG	-0.5162
Gm09	47628687	47628976	Gmdrm	hypo	CG	-0.6775
Gm09	47636952	47637219	Gmdrm	hypo	CG	-0.561
Gm09	47640308	47640327	Gmdrm	hypo	CG	-0.795
Gm09	47665171	47665489	Gmdrm	hypo	CG	-0.066
Gm09	47665759	47665994	Gmdrm	hypo	CG	-0.5268
Gm09	47680585	47680651	Gmdrm	hypo	CG	-0.54
Gm09	47682304	47682435	Gmdrm	hypo	CG	-0.5024
Gm09	47682786	47682857	Gmdrm	hypo	CG	-0.24
Gm09	47691943	47692426	Gmdrm	hypo	CG	-0.5227
Gm09	47692693	47692753	Gmdrm	hypo	CG	-0.2801
Gm09	47711118	47711297	Gmdrm	hypo	CG	-0.4973
Gm09	47741298	47741465	Gmdrm	hypo	CG	-0.084
Gm09	47742923	47743295	Gmdrm	hypo	CG	-0.4872
Gm09	47752889	47753069	Gmdrm	hypo	CG	-0.0517
Gm09	47803055	47803249	Gmdrm	hypo	CG	-0.56
Gm09	47803386	47803455	Gmdrm	hypo	CG	-0.8416
Gm09	47806312	47806546	Gmdrm	hypo	CG	-0.075
Gm09	47812599	47812700	Gmdrm	hypo	CG	-0.7767
Gm09	47813149	47813322	Gmdrm	hypo	CG	-0.5092
Gm09	47835924	47836064	Gmdrm	hypo	CG	-0.1528
Gm09	47840948	47841350	Gmdrm	hypo	CG	-0.5272
Gm09	47878817	47879158	Gmdrm	hypo	CG	-0.5993
Gm09	47927284	47927566	Gmdrm	hypo	CG	-0.0769
Gm09	47933652	47934343	Gmdrm	hypo	CG	-0.7829
Gm09	47976015	47976585	Gmdrm	hypo	CG	-0.4406
Gm09	47982224	47982881	Gmdrm	hypo	CG	-0.025
Gm09	47985607	47985889	Gmdrm	hypo	CG	-0.2703
Gm09	48036426	48036439	Gmdrm	hypo	CG	-0.1133
Gm09	48044979	48045112	Gmdrm	hypo	CG	-0.8087
Gm09	48053069	48053187	Gmdrm	hypo	CG	-0.97
Gm09	48054160	48054336	Gmdrm	hypo	CG	-0.8938
Gm09	48078122	48078358	Gmdrm	hypo	CG	-0.5676
Gm09	48078566	48078715	Gmdrm	hypo	CG	-0.2009
Gm09	48101516	48101577	Gmdrm	hypo	CG	-0.24
Gm09	48115379	48115413	Gmdrm	hypo	CG	-0.98
Gm09	48115776	48115846	Gmdrm	hypo	CG	-0.105
Gm09	48116138	48116261	Gmdrm	hypo	CG	-0.9033
Gm09	48116364	48116435	Gmdrm	hypo	CG	-0.9567
Gm09	48118222	48118289	Gmdrm	hypo	CG	-0.8188

Gm09	48118622	48118723	Gmdrm	hypo	CG	-0.625
Gm09	48124807	48124841	Gmdrm	hypo	CG	-0.9233
Gm09	48131079	48131190	Gmdrm	hypo	CG	-0.8016
Gm09	48131388	48131536	Gmdrm	hypo	CG	-0.6188
Gm09	48158320	48158364	Gmdrm	hypo	CG	-0.045
Gm09	48165366	48165705	Gmdrm	hypo	CG	-0.818
Gm09	48190093	48190261	Gmdrm	hypo	CG	-0.1582
Gm09	48218859	48218930	Gmdrm	hypo	CG	-0.8033
Gm09	48226575	48226865	Gmdrm	hypo	CG	-0.936
Gm09	48229594	48229676	Gmdrm	hypo	CG	-0.67
Gm09	48250998	48251127	Gmdrm	hypo	CG	-0.26
Gm09	48259662	48259766	Gmdrm	hypo	CG	-0.74
Gm09	48269574	48269720	Gmdrm	hypo	CG	-0.9567
Gm09	48288657	48288801	Gmdrm	hypo	CG	-0.668
Gm09	48291263	48291327	Gmdrm	hypo	CG	-0.3809
Gm09	48299861	48299919	Gmdrm	hypo	CG	-0.1856
Gm09	48326087	48326219	Gmdrm	hypo	CG	-0.685
Gm09	48326431	48326509	Gmdrm	hypo	CG	-0.9262
Gm09	48349502	48349597	Gmdrm	hypo	CG	-0.815
Gm09	48391581	48391660	Gmdrm	hypo	CG	-0.5817
Gm09	48407101	48407228	Gmdrm	hypo	CG	-0.0512
Gm09	48491525	48491676	Gmdrm	hypo	CG	-0.048
Gm09	48508021	48508083	Gmdrm	hypo	CG	-0.6883
Gm09	48508219	48508253	Gmdrm	hypo	CG	-0.9817
Gm09	48545012	48545080	Gmdrm	hypo	CG	-0.028
Gm09	48547978	48548019	Gmdrm	hypo	CG	-0.4583
Gm09	48551233	48551429	Gmdrm	hypo	CG	-0.622
Gm09	48552993	48553090	Gmdrm	hypo	CG	-0.8633
Gm09	48571735	48571963	Gmdrm	hypo	CG	-0.6445
Gm09	48620789	48620984	Gmdrm	hypo	CG	-0.545
Gm09	48645948	48646163	Gmdrm	hypo	CG	-0.5536
Gm09	48646301	48646382	Gmdrm	hypo	CG	-0.9317
Gm09	48693981	48694501	Gmdrm	hypo	CG	-0.2106
Gm09	48733477	48733767	Gmdrm	hypo	CG	-0.1764
Gm09	48742598	48742626	Gmdrm	hypo	CG	-0.0717
Gm09	48747043	48747150	Gmdrm	hypo	CG	-0.37
Gm09	48747264	48747448	Gmdrm	hypo	CG	-0.2313
Gm09	48798692	48798748	Gmdrm	hypo	CG	-0.6267
Gm09	48833297	48833357	Gmdrm	hypo	CG	-0.7
Gm09	48835395	48835512	Gmdrm	hypo	CG	-0.0832
Gm09	48839746	48839966	Gmdrm	hypo	CG	-0.185
Gm09	48844429	48844743	Gmdrm	hypo	CG	-0.0529
Gm09	48845645	48846009	Gmdrm	hypo	CG	-0.205
Gm09	48846126	48846146	Gmdrm	hypo	CG	-0.2883
Gm09	48852900	48853805	Gmdrm	hypo	CG	-0.0633
Gm09	48868608	48868657	Gmdrm	hypo	CG	-0.1663

Gm09	48916396	48916485	Gmdrm	hypo	CG	-0.685
Gm09	48955009	48955353	Gmdrm	hypo	CG	-0.5126
Gm09	49001371	49001422	Gmdrm	hypo	CG	-0.6134
Gm09	49025453	49025569	Gmdrm	hypo	CG	-0.7733
Gm09	49059053	49059250	Gmdrm	hypo	CG	-0.1591
Gm09	49076389	49076470	Gmdrm	hypo	CG	-0.5625
Gm09	49076904	49077378	Gmdrm	hypo	CG	-0.399
Gm09	49077526	49077837	Gmdrm	hypo	CG	-0.81
Gm09	49123606	49123839	Gmdrm	hypo	CG	-0.887
Gm09	49124620	49124678	Gmdrm	hypo	CG	-0.5683
Gm09	49124796	49125017	Gmdrm	hypo	CG	-0.8426
Gm09	49155212	49155780	Gmdrm	hypo	CG	-0.0357
Gm09	49177304	49177463	Gmdrm	hypo	CG	-0.203
Gm09	49177699	49177956	Gmdrm	hypo	CG	-0.83
Gm09	49192833	49192911	Gmdrm	hypo	CG	-0.03
Gm09	49213212	49213799	Gmdrm	hypo	CG	-0.3074
Gm09	49255513	49255572	Gmdrm	hypo	CG	-0.3133
Gm09	49256409	49256572	Gmdrm	hypo	CG	-0.064
Gm09	49257627	49257712	Gmdrm	hypo	CG	-0.4317
Gm09	49304382	49304531	Gmdrm	hypo	CG	-0.759
Gm09	49313573	49313783	Gmdrm	hypo	CG	-0.9495
Gm09	49314229	49314391	Gmdrm	hypo	CG	-0.1523
Gm09	49366366	49366488	Gmdrm	hypo	CG	-0.985
Gm09	49372858	49372909	Gmdrm	hypo	CG	-0.9183
Gm09	49373186	49373281	Gmdrm	hypo	CG	-0.8667
Gm09	49382733	49382861	Gmdrm	hypo	CG	-0.7912
Gm09	49458426	49458644	Gmdrm	hypo	CG	-0.6556
Gm09	49480335	49480429	Gmdrm	hypo	CG	-0.5472
Gm09	49507322	49507607	Gmdrm	hypo	CG	-0.45
Gm09	49507719	49507801	Gmdrm	hypo	CG	-0.2467
Gm09	49514669	49514708	Gmdrm	hypo	CG	-0.3687
Gm09	49514933	49515048	Gmdrm	hypo	CG	-0.4714
Gm09	49545274	49545345	Gmdrm	hypo	CG	-0.565
Gm09	49558435	49559040	Gmdrm	hypo	CG	-0.0559
Gm09	49591174	49591200	Gmdrm	hypo	CG	-0.7883
Gm09	49603224	49603312	Gmdrm	hypo	CG	-0.048
Gm09	49623866	49623997	Gmdrm	hypo	CG	-0.8834
Gm09	49632879	49632950	Gmdrm	hypo	CG	-0.5517
Gm09	49640760	49640845	Gmdrm	hypo	CG	-0.215
Gm09	49693671	49693732	Gmdrm	hypo	CG	-0.66
Gm09	49706325	49706430	Gmdrm	hypo	CG	-0.9733
Gm09	49712763	49712998	Gmdrm	hypo	CG	-0.032
Gm09	49728669	49728691	Gmdrm	hypo	CG	-0.6412
Gm09	49728821	49729266	Gmdrm	hypo	CG	-0.3431
Gm09	49753663	49753706	Gmdrm	hypo	CG	-0.7962
Gm09	49764855	49764992	Gmdrm	hypo	CG	-0.851

Gm09	49765840	49765941	Gmdrm	hypo	CG	-0.4666
Gm09	49792767	49792950	Gmdrm	hypo	CG	-0.48
Gm09	49800741	49800785	Gmdrm	hypo	CG	-0.4001
Gm09	49834365	49834599	Gmdrm	hypo	CG	-0.9154
Gm09	49851885	49852006	Gmdrm	hypo	CG	-0.902
Gm09	49888051	49888191	Gmdrm	hypo	CG	-0.7775
Gm09	49902641	49902779	Gmdrm	hypo	CG	-0.6486
Gm09	49925924	49926224	Gmdrm	hypo	CG	-0.1082
Gm09	49930862	49930895	Gmdrm	hypo	CG	-0.9267
Gm09	49933399	49933560	Gmdrm	hypo	CG	-0.3755
Gm09	49940822	49940909	Gmdrm	hypo	CG	-0.95
Gm09	49943556	49943668	Gmdrm	hypo	CG	-0.9589
Gm09	49961318	49961652	Gmdrm	hypo	CG	-0.4023
Gm09	49974459	49974728	Gmdrm	hypo	CG	-0.04
Gm09	49985467	49985705	Gmdrm	hypo	CG	-0.036
Gm09	49986563	49986752	Gmdrm	hypo	CG	-0.7
Gm09	50040113	50040269	Gmdrm	hypo	CG	-0.235
Gm09	50053190	50053300	Gmdrm	hypo	CG	-0.2025
Gm09	50056937	50057002	Gmdrm	hypo	CG	-0.716
Gm09	50087298	50087492	Gmdrm	hypo	CG	-0.2812
Gm09	50118818	50119021	Gmdrm	hypo	CG	-0.5824
Gm09	50120679	50120911	Gmdrm	hypo	CG	-0.9236
Gm09	50136378	50136611	Gmdrm	hypo	CG	-0.4125
Gm09	50145909	50146045	Gmdrm	hypo	CG	-0.095
Gm09	50149867	50149905	Gmdrm	hypo	CG	-0.0888
Gm09	50232626	50232814	Gmdrm	hypo	CG	-0.7687
Gm09	50233202	50233341	Gmdrm	hypo	CG	-0.6872
Gm09	50238962	50239005	Gmdrm	hypo	CG	-0.0833
Gm09	50240807	50241035	Gmdrm	hypo	CG	-0.9175
Gm09	50241656	50241869	Gmdrm	hypo	CG	-0.5388
Gm09	50265309	50265487	Gmdrm	hypo	CG	-0.497
Gm09	50269629	50269914	Gmdrm	hypo	CG	-0.3766
Gm09	50306590	50306698	Gmdrm	hypo	CG	-0.93
Gm09	50315867	50316054	Gmdrm	hypo	CG	-0.875
Gm09	50316482	50316602	Gmdrm	hypo	CG	-0.7275
Gm09	50341979	50342110	Gmdrm	hypo	CG	-0.1172
Gm09	50346576	50346686	Gmdrm	hypo	CG	-0.046
Gm09	50360731	50361142	Gmdrm	hypo	CG	-0.2416
Gm09	50366402	50366796	Gmdrm	hypo	CG	-0.6765
Gm09	50368927	50369126	Gmdrm	hypo	CG	-0.0544
Gm09	50466021	50466183	Gmdrm	hypo	CG	-0.789
Gm09	50482622	50482646	Gmdrm	hypo	CG	-0.3167
Gm09	50501122	50501207	Gmdrm	hypo	CG	-0.7238
Gm09	50503136	50503197	Gmdrm	hypo	CG	-0.945
Gm09	50511322	50511518	Gmdrm	hypo	CG	-0.6318
Gm09	50511782	50511858	Gmdrm	hypo	CG	-0.405

Gm09	50513720	50513961	Gmdrm	hypo	CG	-0.6481
Gm09	50543581	50543649	Gmdrm	hypo	CG	-0.8885
Gm09	50544541	50544612	Gmdrm	hypo	CG	-0.9217
Gm09_scaffo	3869	4150	Gmdrm	hypo	CG	-0.8514
Gm09_scaffo	15645	15887	Gmdrm	hypo	CG	-0.5583
Gm09_scaffo	15999	16268	Gmdrm	hypo	CG	-0.3815
Gm09_scaffo	21862	21982	Gmdrm	hypo	CG	-0.0808
Gm09_scaffo	23706	23788	Gmdrm	hypo	CG	-0.7609
Gm09_scaffo	25155	25290	Gmdrm	hypo	CG	-0.0343
Gm09_scaffo	25765	25997	Gmdrm	hypo	CG	-0.4068
Gm09_scaffo	28316	28394	Gmdrm	hypo	CG	-0.9288
Gm09_scaffo	29054	29172	Gmdrm	hypo	CG	-0.2713
Gm09_scaffo	29507	29643	Gmdrm	hypo	CG	-0.6786
Gm09_scaffo	35375	35504	Gmdrm	hypo	CG	-0.2739
Gm10	10649	10732	Gmdrm	hypo	CG	-0.9667
Gm10	10840	10891	Gmdrm	hypo	CG	-0.9467
Gm10	22833	22923	Gmdrm	hypo	CG	-0.2392
Gm10	32767	32824	Gmdrm	hypo	CG	-0.5716
Gm10	50813	51074	Gmdrm	hypo	CG	-0.3982
Gm10	146411	146469	Gmdrm	hypo	CG	-0.5916
Gm10	149167	149361	Gmdrm	hypo	CG	-0.6472
Gm10	149928	150013	Gmdrm	hypo	CG	-0.5567
Gm10	155340	155472	Gmdrm	hypo	CG	-0.22
Gm10	166456	166866	Gmdrm	hypo	CG	-0.0875
Gm10	178163	178532	Gmdrm	hypo	CG	-0.4062
Gm10	186566	186617	Gmdrm	hypo	CG	-0.736
Gm10	191843	191950	Gmdrm	hypo	CG	-0.8717
Gm10	200790	201135	Gmdrm	hypo	CG	-0.5668
Gm10	223477	223624	Gmdrm	hypo	CG	-0.08
Gm10	250161	250197	Gmdrm	hypo	CG	-0.742
Gm10	274759	274830	Gmdrm	hypo	CG	-0.715
Gm10	338423	338497	Gmdrm	hypo	CG	-0.472
Gm10	339202	339403	Gmdrm	hypo	CG	-0.3775
Gm10	340123	340174	Gmdrm	hypo	CG	-0.875
Gm10	343641	343747	Gmdrm	hypo	CG	-0.7338
Gm10	354110	354430	Gmdrm	hypo	CG	-0.2467
Gm10	355561	355656	Gmdrm	hypo	CG	-0.1084
Gm10	364987	365397	Gmdrm	hypo	CG	-0.0354
Gm10	365526	365708	Gmdrm	hypo	CG	-0.0845
Gm10	418378	418487	Gmdrm	hypo	CG	-0.855
Gm10	442863	442909	Gmdrm	hypo	CG	-0.5962
Gm10	451142	451453	Gmdrm	hypo	CG	-0.173
Gm10	451563	451690	Gmdrm	hypo	CG	-0.358
Gm10	505765	505822	Gmdrm	hypo	CG	-0.0733
Gm10	532498	532740	Gmdrm	hypo	CG	-0.5958
Gm10	532931	533531	Gmdrm	hypo	CG	-0.0814

Gm10	552728	552822	Gmdrm	hypo	CG	-0.72
Gm10	591580	591763	Gmdrm	hypo	CG	-0.9
Gm10	623667	623823	Gmdrm	hypo	CG	-0.2864
Gm10	626506	626570	Gmdrm	hypo	CG	-0.124
Gm10	642270	642795	Gmdrm	hypo	CG	-0.6758
Gm10	652705	652887	Gmdrm	hypo	CG	-0.9692
Gm10	656690	656750	Gmdrm	hypo	CG	-0.7617
Gm10	658777	658935	Gmdrm	hypo	CG	-0.499
Gm10	665716	665828	Gmdrm	hypo	CG	-0.9212
Gm10	676351	676486	Gmdrm	hypo	CG	-0.92
Gm10	676631	676723	Gmdrm	hypo	CG	-0.93
Gm10	681683	681852	Gmdrm	hypo	CG	-0.0267
Gm10	698976	699068	Gmdrm	hypo	CG	-0.655
Gm10	740187	740329	Gmdrm	hypo	CG	-0.7316
Gm10	740844	740945	Gmdrm	hypo	CG	-0.9312
Gm10	761427	761568	Gmdrm	hypo	CG	-0.0714
Gm10	778926	779015	Gmdrm	hypo	CG	-0.038
Gm10	794724	794895	Gmdrm	hypo	CG	-0.0366
Gm10	809616	809814	Gmdrm	hypo	CG	-0.809
Gm10	809931	810001	Gmdrm	hypo	CG	-0.86
Gm10	820007	820343	Gmdrm	hypo	CG	-0.1185
Gm10	826874	827118	Gmdrm	hypo	CG	-0.9607
Gm10	850846	850945	Gmdrm	hypo	CG	-0.63
Gm10	869329	869508	Gmdrm	hypo	CG	-0.265
Gm10	869624	869805	Gmdrm	hypo	CG	-0.5362
Gm10	870862	870974	Gmdrm	hypo	CG	-0.7367
Gm10	901582	901667	Gmdrm	hypo	CG	-0.6872
Gm10	907267	907410	Gmdrm	hypo	CG	-0.892
Gm10	958166	958263	Gmdrm	hypo	CG	-0.69
Gm10	958807	958918	Gmdrm	hypo	CG	-0.7175
Gm10	962316	962432	Gmdrm	hypo	CG	-0.5633
Gm10	973338	973470	Gmdrm	hypo	CG	-0.8933
Gm10	1018870	1018919	Gmdrm	hypo	CG	-0.6117
Gm10	1019553	1019662	Gmdrm	hypo	CG	-0.7125
Gm10	1044661	1044780	Gmdrm	hypo	CG	-0.9063
Gm10	1045209	1045263	Gmdrm	hypo	CG	-0.864
Gm10	1047647	1047749	Gmdrm	hypo	CG	-0.9256
Gm10	1056386	1056652	Gmdrm	hypo	CG	-0.529
Gm10	1056776	1056926	Gmdrm	hypo	CG	-0.8
Gm10	1071045	1071206	Gmdrm	hypo	CG	-0.7633
Gm10	1076349	1076515	Gmdrm	hypo	CG	-0.1887
Gm10	1089672	1089767	Gmdrm	hypo	CG	-0.66
Gm10	1090816	1090882	Gmdrm	hypo	CG	-0.1671
Gm10	1091886	1092348	Gmdrm	hypo	CG	-0.0475
Gm10	1104952	1105117	Gmdrm	hypo	CG	-0.6712
Gm10	1116369	1116512	Gmdrm	hypo	CG	-0.7347

Gm10	1116768	1116930 Gmdrm	hypo	CG	-0.36
Gm10	1141915	1142012 Gmdrm	hypo	CG	-0.89
Gm10	1170167	1170311 Gmdrm	hypo	CG	-0.7572
Gm10	1170435	1170616 Gmdrm	hypo	CG	-0.818
Gm10	1254844	1255154 Gmdrm	hypo	CG	-0.7209
Gm10	1344671	1344833 Gmdrm	hypo	CG	-0.9072
Gm10	1352967	1353304 Gmdrm	hypo	CG	-0.137
Gm10	1364361	1364569 Gmdrm	hypo	CG	-0.5971
Gm10	1365183	1365268 Gmdrm	hypo	CG	-0.4316
Gm10	1386459	1386815 Gmdrm	hypo	CG	-0.7006
Gm10	1388221	1388314 Gmdrm	hypo	CG	-0.0774
Gm10	1403554	1403615 Gmdrm	hypo	CG	-0.05
Gm10	1471473	1471628 Gmdrm	hypo	CG	-0.9461
Gm10	1477380	1477692 Gmdrm	hypo	CG	-0.7347
Gm10	1500490	1500689 Gmdrm	hypo	CG	-0.8392
Gm10	1517675	1517712 Gmdrm	hypo	CG	-0.73
Gm10	1580983	1581091 Gmdrm	hypo	CG	-0.7984
Gm10	1596868	1596953 Gmdrm	hypo	CG	-0.8
Gm10	1597469	1597515 Gmdrm	hypo	CG	-0.6534
Gm10	1597698	1597748 Gmdrm	hypo	CG	-0.209
Gm10	1716688	1716803 Gmdrm	hypo	CG	-0.688
Gm10	1721872	1722459 Gmdrm	hypo	CG	-0.4338
Gm10	1736298	1736454 Gmdrm	hypo	CG	-0.919
Gm10	1736565	1736694 Gmdrm	hypo	CG	-0.631
Gm10	1738745	1739071 Gmdrm	hypo	CG	-0.179
Gm10	1781421	1781601 Gmdrm	hypo	CG	-0.0393
Gm10	1785271	1785483 Gmdrm	hypo	CG	-0.9192
Gm10	1797193	1797519 Gmdrm	hypo	CG	-0.6726
Gm10	1816059	1816215 Gmdrm	hypo	CG	-0.72
Gm10	1818874	1819053 Gmdrm	hypo	CG	-0.8819
Gm10	1819863	1819970 Gmdrm	hypo	CG	-0.586
Gm10	1864190	1864358 Gmdrm	hypo	CG	-0.025
Gm10	1878169	1878293 Gmdrm	hypo	CG	-0.2184
Gm10	1940741	1941247 Gmdrm	hypo	CG	-0.2837
Gm10	1967342	1967434 Gmdrm	hypo	CG	-0.9267
Gm10	1967652	1967946 Gmdrm	hypo	CG	-0.9572
Gm10	1968277	1968477 Gmdrm	hypo	CG	-0.935
Gm10	1973984	1974113 Gmdrm	hypo	CG	-0.949
Gm10	2025676	2025710 Gmdrm	hypo	CG	-0.94
Gm10	2031436	2031589 Gmdrm	hypo	CG	-0.2807
Gm10	2038826	2038965 Gmdrm	hypo	CG	-0.8575
Gm10	2040834	2041111 Gmdrm	hypo	CG	-0.1009
Gm10	2041227	2041394 Gmdrm	hypo	CG	-0.473
Gm10	2043090	2043126 Gmdrm	hypo	CG	-0.66
Gm10	2111540	2111602 Gmdrm	hypo	CG	-0.96
Gm10	2115845	2115870 Gmdrm	hypo	CG	-0.705

Gm10	2124529	2124651 Gmdrm	hypo	CG	-0.689
Gm10	2125609	2125703 Gmdrm	hypo	CG	-0.926
Gm10	2130084	2130155 Gmdrm	hypo	CG	-0.9583
Gm10	2171241	2171363 Gmdrm	hypo	CG	-0.7838
Gm10	2188178	2188436 Gmdrm	hypo	CG	-0.3506
Gm10	2219288	2219822 Gmdrm	hypo	CG	-0.1762
Gm10	2221854	2222236 Gmdrm	hypo	CG	-0.1393
Gm10	2225729	2226426 Gmdrm	hypo	CG	-0.5044
Gm10	2231960	2232276 Gmdrm	hypo	CG	-0.6016
Gm10	2243471	2243522 Gmdrm	hypo	CG	-0.945
Gm10	2247045	2247148 Gmdrm	hypo	CG	-0.0688
Gm10	2248169	2248279 Gmdrm	hypo	CG	-0.54
Gm10	2326000	2326069 Gmdrm	hypo	CG	-0.884
Gm10	2331910	2332037 Gmdrm	hypo	CG	-0.6866
Gm10	2349699	2350020 Gmdrm	hypo	CG	-0.6883
Gm10	2357946	2358018 Gmdrm	hypo	CG	-0.8864
Gm10	2358258	2358404 Gmdrm	hypo	CG	-0.689
Gm10	2377397	2377439 Gmdrm	hypo	CG	-0.8667
Gm10	2377619	2377863 Gmdrm	hypo	CG	-0.6089
Gm10	2488817	2488924 Gmdrm	hypo	CG	-0.7401
Gm10	2509890	2510333 Gmdrm	hypo	CG	-0.2359
Gm10	2511991	2512105 Gmdrm	hypo	CG	-0.1784
Gm10	2526208	2526591 Gmdrm	hypo	CG	-0.51
Gm10	2554983	2555056 Gmdrm	hypo	CG	-0.94
Gm10	2632398	2632445 Gmdrm	hypo	CG	-0.96
Gm10	2637395	2637563 Gmdrm	hypo	CG	-0.066
Gm10	2644532	2644703 Gmdrm	hypo	CG	-0.621
Gm10	2665415	2665442 Gmdrm	hypo	CG	-0.935
Gm10	2686170	2686231 Gmdrm	hypo	CG	-0.9251
Gm10	2688696	2688770 Gmdrm	hypo	CG	-0.0863
Gm10	2711396	2711476 Gmdrm	hypo	CG	-0.9133
Gm10	2715361	2715522 Gmdrm	hypo	CG	-0.108
Gm10	2723969	2724060 Gmdrm	hypo	CG	-0.9838
Gm10	2781760	2781853 Gmdrm	hypo	CG	-0.4134
Gm10	2787628	2788027 Gmdrm	hypo	CG	-0.3533
Gm10	2811281	2811537 Gmdrm	hypo	CG	-0.171
Gm10	2829127	2829640 Gmdrm	hypo	CG	-0.1984
Gm10	2829743	2829946 Gmdrm	hypo	CG	-0.0343
Gm10	2830192	2830233 Gmdrm	hypo	CG	-0.805
Gm10	2851465	2851517 Gmdrm	hypo	CG	-0.81
Gm10	2856554	2856591 Gmdrm	hypo	CG	-0.502
Gm10	2905552	2905714 Gmdrm	hypo	CG	-0.74
Gm10	2905834	2906234 Gmdrm	hypo	CG	-0.0593
Gm10	2921482	2921607 Gmdrm	hypo	CG	-0.815
Gm10	2935234	2935258 Gmdrm	hypo	CG	-0.2183
Gm10	2962944	2963018 Gmdrm	hypo	CG	-0.955

Gm10	2963167	2963266 Gmdrm	hypo	CG	-0.7625
Gm10	2968281	2968421 Gmdrm	hypo	CG	-0.4713
Gm10	2968891	2969142 Gmdrm	hypo	CG	-0.321
Gm10	2969480	2969591 Gmdrm	hypo	CG	-0.5
Gm10	2994885	2995399 Gmdrm	hypo	CG	-0.2807
Gm10	3012294	3012540 Gmdrm	hypo	CG	-0.504
Gm10	3018694	3018800 Gmdrm	hypo	CG	-0.6714
Gm10	3026901	3027077 Gmdrm	hypo	CG	-0.5844
Gm10	3055063	3055153 Gmdrm	hypo	CG	-0.1
Gm10	3071223	3071404 Gmdrm	hypo	CG	-0.058
Gm10	3078594	3078728 Gmdrm	hypo	CG	-0.834
Gm10	3078989	3079287 Gmdrm	hypo	CG	-0.8084
Gm10	3091501	3091601 Gmdrm	hypo	CG	-0.712
Gm10	3094790	3094817 Gmdrm	hypo	CG	-0.9267
Gm10	3100334	3100697 Gmdrm	hypo	CG	-0.3861
Gm10	3146703	3146920 Gmdrm	hypo	CG	-0.0683
Gm10	3197885	3198015 Gmdrm	hypo	CG	-0.0533
Gm10	3199851	3200225 Gmdrm	hypo	CG	-0.812
Gm10	3203350	3203462 Gmdrm	hypo	CG	-0.9483
Gm10	3213639	3213810 Gmdrm	hypo	CG	-0.3035
Gm10	3229612	3229726 Gmdrm	hypo	CG	-0.9367
Gm10	3229843	3229996 Gmdrm	hypo	CG	-0.8937
Gm10	3240213	3240493 Gmdrm	hypo	CG	-0.6482
Gm10	3247042	3247206 Gmdrm	hypo	CG	-0.04
Gm10	3253666	3253682 Gmdrm	hypo	CG	-0.725
Gm10	3254924	3255057 Gmdrm	hypo	CG	-0.2123
Gm10	3317154	3317271 Gmdrm	hypo	CG	-0.834
Gm10	3317464	3317569 Gmdrm	hypo	CG	-0.8209
Gm10	3319319	3319537 Gmdrm	hypo	CG	-0.38
Gm10	3349552	3349819 Gmdrm	hypo	CG	-0.8168
Gm10	3376293	3376371 Gmdrm	hypo	CG	-0.7517
Gm10	3398073	3398103 Gmdrm	hypo	CG	-0.4067
Gm10	3398291	3398526 Gmdrm	hypo	CG	-0.46
Gm10	3398660	3398754 Gmdrm	hypo	CG	-0.6229
Gm10	3435901	3436004 Gmdrm	hypo	CG	-0.923
Gm10	3444313	3444955 Gmdrm	hypo	CG	-0.5
Gm10	3460323	3460521 Gmdrm	hypo	CG	-0.839
Gm10	3505719	3505837 Gmdrm	hypo	CG	-0.924
Gm10	3517634	3518011 Gmdrm	hypo	CG	-0.2355
Gm10	3518129	3518387 Gmdrm	hypo	CG	-0.1456
Gm10	3539026	3539128 Gmdrm	hypo	CG	-0.902
Gm10	3616159	3616483 Gmdrm	hypo	CG	-0.8809
Gm10	3631481	3631555 Gmdrm	hypo	CG	-0.93
Gm10	3631884	3631988 Gmdrm	hypo	CG	-0.7875
Gm10	3634027	3634260 Gmdrm	hypo	CG	-0.0729
Gm10	3653338	3653545 Gmdrm	hypo	CG	-0.0314

Gm10	3655872	3655938	Gmdrm	hypo	CG	-0.7512
Gm10	3660716	3660907	Gmdrm	hypo	CG	-0.449
Gm10	3690928	3691042	Gmdrm	hypo	CG	-0.4343
Gm10	3691579	3691722	Gmdrm	hypo	CG	-0.563
Gm10	3693800	3693891	Gmdrm	hypo	CG	-0.092
Gm10	3732017	3732079	Gmdrm	hypo	CG	-0.632
Gm10	3732213	3732280	Gmdrm	hypo	CG	-0.3783
Gm10	3732591	3732686	Gmdrm	hypo	CG	-0.4537
Gm10	3767072	3767177	Gmdrm	hypo	CG	-0.7417
Gm10	3767403	3767818	Gmdrm	hypo	CG	-0.9408
Gm10	3790128	3790160	Gmdrm	hypo	CG	-0.9225
Gm10	3803607	3803761	Gmdrm	hypo	CG	-0.932
Gm10	3803934	3804258	Gmdrm	hypo	CG	-0.5074
Gm10	3804599	3804747	Gmdrm	hypo	CG	-0.066
Gm10	3824702	3824947	Gmdrm	hypo	CG	-0.0733
Gm10	3834895	3835076	Gmdrm	hypo	CG	-0.13
Gm10	3847313	3847452	Gmdrm	hypo	CG	-0.038
Gm10	3852145	3852288	Gmdrm	hypo	CG	-0.528
Gm10	3858058	3858122	Gmdrm	hypo	CG	-0.63
Gm10	3877242	3877303	Gmdrm	hypo	CG	-0.9528
Gm10	3877415	3878098	Gmdrm	hypo	CG	-0.1284
Gm10	3878234	3878292	Gmdrm	hypo	CG	-0.12
Gm10	3909015	3909050	Gmdrm	hypo	CG	-0.395
Gm10	3911181	3911231	Gmdrm	hypo	CG	-0.2033
Gm10	3957489	3957685	Gmdrm	hypo	CG	-0.4163
Gm10	3960535	3960632	Gmdrm	hypo	CG	-0.962
Gm10	3981438	3981707	Gmdrm	hypo	CG	-0.04
Gm10	3995091	3995186	Gmdrm	hypo	CG	-0.8783
Gm10	4005870	4006192	Gmdrm	hypo	CG	-0.3623
Gm10	4022822	4022994	Gmdrm	hypo	CG	-0.7529
Gm10	4023634	4023800	Gmdrm	hypo	CG	-0.4043
Gm10	4024457	4024773	Gmdrm	hypo	CG	-0.4973
Gm10	4046289	4046847	Gmdrm	hypo	CG	-0.1479
Gm10	4047821	4047860	Gmdrm	hypo	CG	-0.5333
Gm10	4054188	4054310	Gmdrm	hypo	CG	-0.72
Gm10	4064028	4064096	Gmdrm	hypo	CG	-0.652
Gm10	4074210	4074362	Gmdrm	hypo	CG	-0.825
Gm10	4119595	4119629	Gmdrm	hypo	CG	-0.775
Gm10	4133030	4133293	Gmdrm	hypo	CG	-0.0267
Gm10	4138942	4139341	Gmdrm	hypo	CG	-0.541
Gm10	4150616	4150744	Gmdrm	hypo	CG	-0.1987
Gm10	4151654	4152217	Gmdrm	hypo	CG	-0.5576
Gm10	4156374	4156450	Gmdrm	hypo	CG	-0.2
Gm10	4162880	4163134	Gmdrm	hypo	CG	-0.1886
Gm10	4181383	4181501	Gmdrm	hypo	CG	-0.6475
Gm10	4202607	4202703	Gmdrm	hypo	CG	-0.4612

Gm10	4205851	4206091 Gmdrm	hypo	CG	-0.797
Gm10	4219764	4219859 Gmdrm	hypo	CG	-0.86
Gm10	4227243	4227330 Gmdrm	hypo	CG	-0.625
Gm10	4227750	4228083 Gmdrm	hypo	CG	-0.5793
Gm10	4228487	4228664 Gmdrm	hypo	CG	-0.15
Gm10	4229148	4229348 Gmdrm	hypo	CG	-0.6006
Gm10	4232842	4233247 Gmdrm	hypo	CG	-0.7665
Gm10	4279238	4280000 Gmdrm	hypo	CG	-0.3169
Gm10	4309925	4310040 Gmdrm	hypo	CG	-0.602
Gm10	4310175	4310378 Gmdrm	hypo	CG	-0.8773
Gm10	4328327	4328462 Gmdrm	hypo	CG	-0.5167
Gm10	4367482	4367813 Gmdrm	hypo	CG	-0.6807
Gm10	4376714	4376773 Gmdrm	hypo	CG	-0.122
Gm10	4383891	4383977 Gmdrm	hypo	CG	-0.9066
Gm10	4384378	4384641 Gmdrm	hypo	CG	-0.6287
Gm10	4416617	4416690 Gmdrm	hypo	CG	-0.044
Gm10	4417589	4417697 Gmdrm	hypo	CG	-0.94
Gm10	4432261	4432549 Gmdrm	hypo	CG	-0.7211
Gm10	4432651	4432693 Gmdrm	hypo	CG	-0.8337
Gm10	4438757	4439111 Gmdrm	hypo	CG	-0.7622
Gm10	4478462	4478572 Gmdrm	hypo	CG	-0.565
Gm10	4479820	4479935 Gmdrm	hypo	CG	-0.383
Gm10	4484565	4484616 Gmdrm	hypo	CG	-0.6683
Gm10	4546015	4546224 Gmdrm	hypo	CG	-0.4989
Gm10	4549255	4549389 Gmdrm	hypo	CG	-0.9712
Gm10	4550768	4551023 Gmdrm	hypo	CG	-0.0457
Gm10	4575203	4575316 Gmdrm	hypo	CG	-0.68
Gm10	4575422	4575528 Gmdrm	hypo	CG	-0.841
Gm10	4584814	4585028 Gmdrm	hypo	CG	-0.0407
Gm10	4585322	4585559 Gmdrm	hypo	CG	-0.98
Gm10	4612972	4613189 Gmdrm	hypo	CG	-0.191
Gm10	4701314	4701343 Gmdrm	hypo	CG	-0.8075
Gm10	4717650	4718297 Gmdrm	hypo	CG	-0.1468
Gm10	4720359	4720703 Gmdrm	hypo	CG	-0.617
Gm10	4729305	4729813 Gmdrm	hypo	CG	-0.68
Gm10	4756009	4756213 Gmdrm	hypo	CG	-0.0383
Gm10	4762558	4762649 Gmdrm	hypo	CG	-0.758
Gm10	4766856	4767061 Gmdrm	hypo	CG	-0.7489
Gm10	4800796	4801075 Gmdrm	hypo	CG	-0.0516
Gm10	4801773	4802033 Gmdrm	hypo	CG	-0.8526
Gm10	4808985	4809156 Gmdrm	hypo	CG	-0.048
Gm10	4809699	4809795 Gmdrm	hypo	CG	-0.7458
Gm10	4809938	4810021 Gmdrm	hypo	CG	-0.5587
Gm10	4810794	4811377 Gmdrm	hypo	CG	-0.4211
Gm10	4832054	4832212 Gmdrm	hypo	CG	-0.0725
Gm10	4839059	4839379 Gmdrm	hypo	CG	-0.3892

Gm10	4847294	4847446 Gmdrm	hypo	CG	-0.4333
Gm10	4848178	4848476 Gmdrm	hypo	CG	-0.6136
Gm10	4857065	4857199 Gmdrm	hypo	CG	-0.552
Gm10	4861313	4861411 Gmdrm	hypo	CG	-0.7925
Gm10	4864334	4864443 Gmdrm	hypo	CG	-0.57
Gm10	4869512	4869571 Gmdrm	hypo	CG	-0.2083
Gm10	4871254	4871542 Gmdrm	hypo	CG	-0.6346
Gm10	4876334	4876447 Gmdrm	hypo	CG	-0.1585
Gm10	4876662	4876799 Gmdrm	hypo	CG	-0.1627
Gm10	4881502	4881636 Gmdrm	hypo	CG	-0.7962
Gm10	4902102	4902247 Gmdrm	hypo	CG	-0.0614
Gm10	4903458	4903513 Gmdrm	hypo	CG	-0.055
Gm10	4923276	4923435 Gmdrm	hypo	CG	-0.03
Gm10	4931009	4931234 Gmdrm	hypo	CG	-0.653
Gm10	4931558	4931677 Gmdrm	hypo	CG	-0.4192
Gm10	4939828	4940207 Gmdrm	hypo	CG	-0.0473
Gm10	4947999	4948163 Gmdrm	hypo	CG	-0.4533
Gm10	4957823	4957906 Gmdrm	hypo	CG	-0.762
Gm10	4959124	4959215 Gmdrm	hypo	CG	-0.6383
Gm10	4967770	4968108 Gmdrm	hypo	CG	-0.36
Gm10	5006053	5006183 Gmdrm	hypo	CG	-0.054
Gm10	5006566	5006770 Gmdrm	hypo	CG	-0.6262
Gm10	5017747	5017795 Gmdrm	hypo	CG	-0.1117
Gm10	5030170	5030239 Gmdrm	hypo	CG	-0.058
Gm10	5035139	5035212 Gmdrm	hypo	CG	-0.4825
Gm10	5035663	5035702 Gmdrm	hypo	CG	-0.8133
Gm10	5037618	5037853 Gmdrm	hypo	CG	-0.2423
Gm10	5041199	5041329 Gmdrm	hypo	CG	-0.53
Gm10	5070606	5070721 Gmdrm	hypo	CG	-0.0833
Gm10	5080605	5080618 Gmdrm	hypo	CG	-0.0533
Gm10	5115213	5115362 Gmdrm	hypo	CG	-0.048
Gm10	5120826	5121018 Gmdrm	hypo	CG	-0.884
Gm10	5134471	5135032 Gmdrm	hypo	CG	-0.3838
Gm10	5150167	5150294 Gmdrm	hypo	CG	-0.62
Gm10	5162440	5162584 Gmdrm	hypo	CG	-0.0463
Gm10	5163099	5163467 Gmdrm	hypo	CG	-0.2927
Gm10	5165289	5165465 Gmdrm	hypo	CG	-0.605
Gm10	5165591	5165872 Gmdrm	hypo	CG	-0.5825
Gm10	5167951	5168090 Gmdrm	hypo	CG	-0.57
Gm10	5179094	5179221 Gmdrm	hypo	CG	-0.273
Gm10	5179557	5179613 Gmdrm	hypo	CG	-0.664
Gm10	5182662	5182795 Gmdrm	hypo	CG	-0.465
Gm10	5183690	5183793 Gmdrm	hypo	CG	-0.76
Gm10	5191405	5191571 Gmdrm	hypo	CG	-0.9043
Gm10	5192382	5192522 Gmdrm	hypo	CG	-0.1946
Gm10	5197991	5198162 Gmdrm	hypo	CG	-0.0918

Gm10	5201586	5201831	Gmdrm	hypo	CG	-0.76
Gm10	5205576	5205725	Gmdrm	hypo	CG	-0.661
Gm10	5209503	5209678	Gmdrm	hypo	CG	-0.4693
Gm10	5232784	5233003	Gmdrm	hypo	CG	-0.8292
Gm10	5245462	5245480	Gmdrm	hypo	CG	-0.8333
Gm10	5282760	5282810	Gmdrm	hypo	CG	-0.9299
Gm10	5291669	5291865	Gmdrm	hypo	CG	-0.1325
Gm10	5299406	5299428	Gmdrm	hypo	CG	-0.07
Gm10	5304038	5304300	Gmdrm	hypo	CG	-0.1456
Gm10	5342460	5342855	Gmdrm	hypo	CG	-0.4832
Gm10	5350961	5351114	Gmdrm	hypo	CG	-0.7414
Gm10	5362544	5362570	Gmdrm	hypo	CG	-0.395
Gm10	5383814	5384161	Gmdrm	hypo	CG	-0.4821
Gm10	5397785	5397905	Gmdrm	hypo	CG	-0.4426
Gm10	5415488	5415703	Gmdrm	hypo	CG	-0.4392
Gm10	5423979	5424015	Gmdrm	hypo	CG	-0.1816
Gm10	5443449	5443502	Gmdrm	hypo	CG	-0.0526
Gm10	5443680	5443922	Gmdrm	hypo	CG	-0.17
Gm10	5462265	5462618	Gmdrm	hypo	CG	-0.6222
Gm10	5466201	5466464	Gmdrm	hypo	CG	-0.1082
Gm10	5474150	5474442	Gmdrm	hypo	CG	-0.822
Gm10	5487049	5487142	Gmdrm	hypo	CG	-0.9216
Gm10	5487298	5487428	Gmdrm	hypo	CG	-0.6066
Gm10	5509540	5509817	Gmdrm	hypo	CG	-0.04
Gm10	5511791	5511855	Gmdrm	hypo	CG	-0.7275
Gm10	5539641	5539920	Gmdrm	hypo	CG	-0.3432
Gm10	5540111	5540262	Gmdrm	hypo	CG	-0.755
Gm10	5561875	5561940	Gmdrm	hypo	CG	-0.03
Gm10	5562603	5562946	Gmdrm	hypo	CG	-0.5575
Gm10	5569749	5569851	Gmdrm	hypo	CG	-0.323
Gm10	5586749	5587074	Gmdrm	hypo	CG	-0.1048
Gm10	5588976	5589035	Gmdrm	hypo	CG	-0.9575
Gm10	5590112	5590291	Gmdrm	hypo	CG	-0.1747
Gm10	5616014	5616360	Gmdrm	hypo	CG	-0.4974
Gm10	5625905	5625962	Gmdrm	hypo	CG	-0.45
Gm10	5632942	5633135	Gmdrm	hypo	CG	-0.5565
Gm10	5633448	5633553	Gmdrm	hypo	CG	-0.8907
Gm10	5638307	5638499	Gmdrm	hypo	CG	-0.17
Gm10	5639986	5640053	Gmdrm	hypo	CG	-0.384
Gm10	5656934	5657113	Gmdrm	hypo	CG	-0.0614
Gm10	5665382	5665787	Gmdrm	hypo	CG	-0.1886
Gm10	5678582	5678763	Gmdrm	hypo	CG	-0.0569
Gm10	5703305	5703864	Gmdrm	hypo	CG	-0.0352
Gm10	5708930	5709161	Gmdrm	hypo	CG	-0.4122
Gm10	5713703	5713844	Gmdrm	hypo	CG	-0.3162
Gm10	5714582	5714700	Gmdrm	hypo	CG	-0.6315

Gm10	5740305	5740528 Gmdrm	hypo	CG	-0.2062
Gm10	5744418	5744694 Gmdrm	hypo	CG	-0.4187
Gm10	5762937	5763390 Gmdrm	hypo	CG	-0.0421
Gm10	5765196	5765255 Gmdrm	hypo	CG	-0.7863
Gm10	5765413	5765450 Gmdrm	hypo	CG	-0.65
Gm10	5765773	5765841 Gmdrm	hypo	CG	-0.0425
Gm10	5792489	5792571 Gmdrm	hypo	CG	-0.3867
Gm10	5796388	5796525 Gmdrm	hypo	CG	-0.3289
Gm10	5814716	5814821 Gmdrm	hypo	CG	-0.4449
Gm10	5826153	5826824 Gmdrm	hypo	CG	-0.2203
Gm10	5827392	5828084 Gmdrm	hypo	CG	-0.2206
Gm10	5831738	5832071 Gmdrm	hypo	CG	-0.6768
Gm10	5838149	5838167 Gmdrm	hypo	CG	-0.9016
Gm10	5838577	5838595 Gmdrm	hypo	CG	-0.9516
Gm10	5858645	5858921 Gmdrm	hypo	CG	-0.054
Gm10	5870752	5871064 Gmdrm	hypo	CG	-0.65
Gm10	5872116	5872177 Gmdrm	hypo	CG	-0.7949
Gm10	5884513	5884832 Gmdrm	hypo	CG	-0.2971
Gm10	5897483	5897601 Gmdrm	hypo	CG	-0.925
Gm10	5906306	5906507 Gmdrm	hypo	CG	-0.174
Gm10	5916438	5916514 Gmdrm	hypo	CG	-0.8083
Gm10	5938960	5939095 Gmdrm	hypo	CG	-0.2025
Gm10	5993446	5993586 Gmdrm	hypo	CG	-0.7978
Gm10	5993923	5994294 Gmdrm	hypo	CG	-0.78
Gm10	6008614	6008685 Gmdrm	hypo	CG	-0.6186
Gm10	6064781	6065048 Gmdrm	hypo	CG	-0.3771
Gm10	6075424	6075595 Gmdrm	hypo	CG	-0.0928
Gm10	6076074	6076317 Gmdrm	hypo	CG	-0.85
Gm10	6090406	6090569 Gmdrm	hypo	CG	-0.1451
Gm10	6129829	6130078 Gmdrm	hypo	CG	-0.188
Gm10	6158697	6158764 Gmdrm	hypo	CG	-0.605
Gm10	6182015	6182327 Gmdrm	hypo	CG	-0.4014
Gm10	6185936	6186069 Gmdrm	hypo	CG	-0.062
Gm10	6201552	6201566 Gmdrm	hypo	CG	-0.706
Gm10	6211085	6211408 Gmdrm	hypo	CG	-0.3487
Gm10	6211869	6212128 Gmdrm	hypo	CG	-0.1983
Gm10	6231552	6231690 Gmdrm	hypo	CG	-0.2025
Gm10	6232190	6232228 Gmdrm	hypo	CG	-0.8266
Gm10	6232722	6233305 Gmdrm	hypo	CG	-0.858
Gm10	6244408	6244534 Gmdrm	hypo	CG	-0.8616
Gm10	6244641	6244741 Gmdrm	hypo	CG	-0.8125
Gm10	6244884	6245160 Gmdrm	hypo	CG	-0.5741
Gm10	6245376	6245516 Gmdrm	hypo	CG	-0.064
Gm10	6264005	6264046 Gmdrm	hypo	CG	-0.1086
Gm10	6275696	6275830 Gmdrm	hypo	CG	-0.7137
Gm10	6283013	6283223 Gmdrm	hypo	CG	-0.7008

Gm10	6283337	6283507 Gmdrm	hypo	CG	-0.9333
Gm10	6346786	6346804 Gmdrm	hypo	CG	-0.8733
Gm10	6368143	6368211 Gmdrm	hypo	CG	-0.855
Gm10	6386310	6386551 Gmdrm	hypo	CG	-0.0329
Gm10	6436989	6437031 Gmdrm	hypo	CG	-0.9167
Gm10	6441479	6441589 Gmdrm	hypo	CG	-0.1175
Gm10	6447964	6448392 Gmdrm	hypo	CG	-0.3662
Gm10	6454409	6454477 Gmdrm	hypo	CG	-0.982
Gm10	6473545	6473650 Gmdrm	hypo	CG	-0.86
Gm10	6474163	6474861 Gmdrm	hypo	CG	-0.0367
Gm10	6482797	6482945 Gmdrm	hypo	CG	-0.4924
Gm10	6483198	6483430 Gmdrm	hypo	CG	-0.546
Gm10	6520462	6520629 Gmdrm	hypo	CG	-0.6565
Gm10	6534097	6534161 Gmdrm	hypo	CG	-0.9284
Gm10	6535986	6536263 Gmdrm	hypo	CG	-0.865
Gm10	6543877	6543958 Gmdrm	hypo	CG	-0.972
Gm10	6563945	6564128 Gmdrm	hypo	CG	-0.374
Gm10	6593036	6593222 Gmdrm	hypo	CG	-0.109
Gm10	6604757	6604909 Gmdrm	hypo	CG	-0.895
Gm10	6615125	6615515 Gmdrm	hypo	CG	-0.3641
Gm10	6634320	6634427 Gmdrm	hypo	CG	-0.1938
Gm10	6641097	6641202 Gmdrm	hypo	CG	-0.358
Gm10	6645691	6645860 Gmdrm	hypo	CG	-0.8383
Gm10	6684153	6684216 Gmdrm	hypo	CG	-0.7234
Gm10	6702923	6703223 Gmdrm	hypo	CG	-0.0659
Gm10	6704277	6704359 Gmdrm	hypo	CG	-0.7766
Gm10	6704544	6704729 Gmdrm	hypo	CG	-0.19
Gm10	6711452	6711554 Gmdrm	hypo	CG	-0.0638
Gm10	6723949	6724559 Gmdrm	hypo	CG	-0.04
Gm10	6726545	6726811 Gmdrm	hypo	CG	-0.1771
Gm10	6751689	6751899 Gmdrm	hypo	CG	-0.1076
Gm10	6752155	6752355 Gmdrm	hypo	CG	-0.8206
Gm10	6766068	6766207 Gmdrm	hypo	CG	-0.0317
Gm10	6777322	6777511 Gmdrm	hypo	CG	-0.1556
Gm10	6779614	6779775 Gmdrm	hypo	CG	-0.7733
Gm10	6800677	6800870 Gmdrm	hypo	CG	-0.8809
Gm10	6816695	6816884 Gmdrm	hypo	CG	-0.7537
Gm10	6817237	6817391 Gmdrm	hypo	CG	-0.7423
Gm10	6819912	6820024 Gmdrm	hypo	CG	-0.685
Gm10	6863730	6863894 Gmdrm	hypo	CG	-0.1067
Gm10	6938584	6938730 Gmdrm	hypo	CG	-0.4725
Gm10	6939106	6939343 Gmdrm	hypo	CG	-0.7156
Gm10	6943690	6943954 Gmdrm	hypo	CG	-0.2757
Gm10	6947497	6948158 Gmdrm	hypo	CG	-0.3771
Gm10	7042013	7042070 Gmdrm	hypo	CG	-0.07
Gm10	7075689	7076512 Gmdrm	hypo	CG	-0.0645

Gm10	7076631	7077042	Gmdrm	hypo	CG	-0.7178
Gm10	7079536	7079779	Gmdrm	hypo	CG	-0.9629
Gm10	7100056	7100254	Gmdrm	hypo	CG	-0.0183
Gm10	7153436	7153554	Gmdrm	hypo	CG	-0.82
Gm10	7158927	7159077	Gmdrm	hypo	CG	-0.8925
Gm10	7166397	7166508	Gmdrm	hypo	CG	-0.0366
Gm10	7178442	7178836	Gmdrm	hypo	CG	-0.33
Gm10	7178970	7179119	Gmdrm	hypo	CG	-0.4988
Gm10	7179224	7179268	Gmdrm	hypo	CG	-0.9
Gm10	7186985	7187206	Gmdrm	hypo	CG	-0.9292
Gm10	7201525	7201575	Gmdrm	hypo	CG	-0.5267
Gm10	7201686	7202197	Gmdrm	hypo	CG	-0.4097
Gm10	7229831	7229939	Gmdrm	hypo	CG	-0.8975
Gm10	7230304	7230419	Gmdrm	hypo	CG	-0.376
Gm10	7238437	7238514	Gmdrm	hypo	CG	-0.1367
Gm10	7260197	7260376	Gmdrm	hypo	CG	-0.0529
Gm10	7276982	7277004	Gmdrm	hypo	CG	-0.2117
Gm10	7277227	7277331	Gmdrm	hypo	CG	-0.3562
Gm10	7283923	7284095	Gmdrm	hypo	CG	-0.0911
Gm10	7295490	7295583	Gmdrm	hypo	CG	-0.684
Gm10	7295793	7295884	Gmdrm	hypo	CG	-0.144
Gm10	7302490	7302695	Gmdrm	hypo	CG	-0.0475
Gm10	7317801	7317961	Gmdrm	hypo	CG	-0.0486
Gm10	7318395	7318766	Gmdrm	hypo	CG	-0.8256
Gm10	7325196	7325472	Gmdrm	hypo	CG	-0.1024
Gm10	7330166	7330413	Gmdrm	hypo	CG	-0.6964
Gm10	7335198	7335332	Gmdrm	hypo	CG	-0.735
Gm10	7337715	7337902	Gmdrm	hypo	CG	-0.694
Gm10	7340865	7340918	Gmdrm	hypo	CG	-0.9533
Gm10	7392521	7392586	Gmdrm	hypo	CG	-0.3469
Gm10	7395793	7396080	Gmdrm	hypo	CG	-0.6144
Gm10	7400514	7400780	Gmdrm	hypo	CG	-0.045
Gm10	7412113	7412395	Gmdrm	hypo	CG	-0.2462
Gm10	7431822	7432003	Gmdrm	hypo	CG	-0.08
Gm10	7456404	7456506	Gmdrm	hypo	CG	-0.194
Gm10	7456962	7457043	Gmdrm	hypo	CG	-0.89
Gm10	7462441	7462615	Gmdrm	hypo	CG	-0.165
Gm10	7466510	7466728	Gmdrm	hypo	CG	-0.0357
Gm10	7468463	7468510	Gmdrm	hypo	CG	-0.0384
Gm10	7502268	7502597	Gmdrm	hypo	CG	-0.0461
Gm10	7532314	7532404	Gmdrm	hypo	CG	-0.052
Gm10	7543994	7544011	Gmdrm	hypo	CG	-0.2084
Gm10	7544173	7544414	Gmdrm	hypo	CG	-0.2345
Gm10	7555974	7556138	Gmdrm	hypo	CG	-0.0533
Gm10	7576539	7576720	Gmdrm	hypo	CG	-0.8012
Gm10	7600946	7601352	Gmdrm	hypo	CG	-0.1315

Gm10	7625697	7625942 Gmdrm	hypo	CG	-0.4533
Gm10	7630784	7631291 Gmdrm	hypo	CG	-0.2067
Gm10	7636402	7636569 Gmdrm	hypo	CG	-0.9113
Gm10	7681980	7682189 Gmdrm	hypo	CG	-0.4864
Gm10	7682432	7682594 Gmdrm	hypo	CG	-0.1999
Gm10	7683374	7683402 Gmdrm	hypo	CG	-0.2567
Gm10	7683929	7684019 Gmdrm	hypo	CG	-0.92
Gm10	7684187	7684369 Gmdrm	hypo	CG	-0.791
Gm10	7710367	7710567 Gmdrm	hypo	CG	-0.043
Gm10	7711574	7711673 Gmdrm	hypo	CG	-0.115
Gm10	7713317	7713439 Gmdrm	hypo	CG	-0.748
Gm10	7724847	7724952 Gmdrm	hypo	CG	-0.504
Gm10	7733004	7733125 Gmdrm	hypo	CG	-0.899
Gm10	7733465	7733609 Gmdrm	hypo	CG	-0.7643
Gm10	7754594	7754904 Gmdrm	hypo	CG	-0.0297
Gm10	7760599	7760853 Gmdrm	hypo	CG	-0.055
Gm10	8045701	8045875 Gmdrm	hypo	CG	-0.047
Gm10	8054740	8055201 Gmdrm	hypo	CG	-0.0418
Gm10	8062355	8062611 Gmdrm	hypo	CG	-0.0818
Gm10	8344946	8345412 Gmdrm	hypo	CG	-0.5423
Gm10	8383415	8383769 Gmdrm	hypo	CG	-0.0864
Gm10	8467093	8467381 Gmdrm	hypo	CG	-0.57
Gm10	8468224	8468285 Gmdrm	hypo	CG	-0.7483
Gm10	8468807	8469091 Gmdrm	hypo	CG	-0.434
Gm10	8522773	8523062 Gmdrm	hypo	CG	-0.174
Gm10	8523283	8523935 Gmdrm	hypo	CG	-0.4581
Gm10	8524141	8524303 Gmdrm	hypo	CG	-0.762
Gm10	8546585	8546789 Gmdrm	hypo	CG	-0.5288
Gm10	8559207	8559297 Gmdrm	hypo	CG	-0.085
Gm10	8573609	8573840 Gmdrm	hypo	CG	-0.32
Gm10	8595940	8596012 Gmdrm	hypo	CG	-0.74
Gm10	8606974	8607033 Gmdrm	hypo	CG	-0.191
Gm10	8627953	8627980 Gmdrm	hypo	CG	-0.4913
Gm10	8628220	8628437 Gmdrm	hypo	CG	-0.7713
Gm10	8631683	8631766 Gmdrm	hypo	CG	-0.5833
Gm10	8635238	8635417 Gmdrm	hypo	CG	-0.554
Gm10	8638243	8638464 Gmdrm	hypo	CG	-0.0457
Gm10	8639076	8639280 Gmdrm	hypo	CG	-0.85
Gm10	8639727	8639770 Gmdrm	hypo	CG	-0.78
Gm10	8734801	8734863 Gmdrm	hypo	CG	-0.2483
Gm10	8773803	8773924 Gmdrm	hypo	CG	-0.58
Gm10	8779006	8779094 Gmdrm	hypo	CG	-0.5017
Gm10	8834697	8834792 Gmdrm	hypo	CG	-0.7
Gm10	8836126	8836382 Gmdrm	hypo	CG	-0.1525
Gm10	8852819	8852937 Gmdrm	hypo	CG	-0.7562
Gm10	8855664	8855793 Gmdrm	hypo	CG	-0.6236

Gm10	8887223	8887460	Gmdrm	hypo	CG	-0.0638
Gm10	8923154	8923258	Gmdrm	hypo	CG	-0.109
Gm10	8970357	8970399	Gmdrm	hypo	CG	-0.0415
Gm10	8973006	8973188	Gmdrm	hypo	CG	-0.91
Gm10	8979700	8980105	Gmdrm	hypo	CG	-0.5747
Gm10	8983009	8983281	Gmdrm	hypo	CG	-0.0484
Gm10	8992652	8992775	Gmdrm	hypo	CG	-0.036
Gm10	8993770	8994167	Gmdrm	hypo	CG	-0.1337
Gm10	9044534	9044640	Gmdrm	hypo	CG	-0.748
Gm10	9088922	9089129	Gmdrm	hypo	CG	-0.65
Gm10	9089671	9089699	Gmdrm	hypo	CG	-0.75
Gm10	9091096	9091277	Gmdrm	hypo	CG	-0.3144
Gm10	9125973	9125982	Gmdrm	hypo	CG	-0.2433
Gm10	9137410	9137493	Gmdrm	hypo	CG	-0.0388
Gm10	9139451	9139710	Gmdrm	hypo	CG	-0.4342
Gm10	9161244	9161416	Gmdrm	hypo	CG	-0.0679
Gm10	9185696	9185945	Gmdrm	hypo	CG	-0.4608
Gm10	9190755	9191106	Gmdrm	hypo	CG	-0.0389
Gm10	9213430	9213714	Gmdrm	hypo	CG	-0.0728
Gm10	9294720	9294917	Gmdrm	hypo	CG	-0.416
Gm10	9300368	9300490	Gmdrm	hypo	CG	-0.3268
Gm10	9353412	9353456	Gmdrm	hypo	CG	-0.5084
Gm10	9404378	9404580	Gmdrm	hypo	CG	-0.904
Gm10	9404701	9404785	Gmdrm	hypo	CG	-0.935
Gm10	9404913	9405059	Gmdrm	hypo	CG	-0.9688
Gm10	9428177	9428294	Gmdrm	hypo	CG	-0.307
Gm10	9433278	9433426	Gmdrm	hypo	CG	-0.4063
Gm10	9433796	9433890	Gmdrm	hypo	CG	-0.1387
Gm10	9483693	9483737	Gmdrm	hypo	CG	-0.3467
Gm10	9503774	9503808	Gmdrm	hypo	CG	-0.3684
Gm10	9507386	9507561	Gmdrm	hypo	CG	-0.46
Gm10	9507958	9507996	Gmdrm	hypo	CG	-0.6867
Gm10	9514117	9514156	Gmdrm	hypo	CG	-0.38
Gm10	9514532	9514591	Gmdrm	hypo	CG	-0.8433
Gm10	9524486	9524667	Gmdrm	hypo	CG	-0.0567
Gm10	9525214	9525285	Gmdrm	hypo	CG	-0.6345
Gm10	9549058	9549235	Gmdrm	hypo	CG	-0.4494
Gm10	9602323	9602465	Gmdrm	hypo	CG	-0.321
Gm10	9617605	9617651	Gmdrm	hypo	CG	-0.07
Gm10	9618974	9619320	Gmdrm	hypo	CG	-0.316
Gm10	9619801	9620143	Gmdrm	hypo	CG	-0.425
Gm10	9650775	9651641	Gmdrm	hypo	CG	-0.1141
Gm10	9666693	9666897	Gmdrm	hypo	CG	-0.7
Gm10	9679683	9679929	Gmdrm	hypo	CG	-0.5192
Gm10	9680330	9680342	Gmdrm	hypo	CG	-0.1433
Gm10	9691029	9691167	Gmdrm	hypo	CG	-0.8636

Gm10	9709532	9709723	Gmdrm	hypo	CG	-0.2893
Gm10	9715282	9715402	Gmdrm	hypo	CG	-0.746
Gm10	9717414	9717502	Gmdrm	hypo	CG	-0.0475
Gm10	9722824	9723136	Gmdrm	hypo	CG	-0.051
Gm10	9739978	9740076	Gmdrm	hypo	CG	-0.815
Gm10	9760015	9760148	Gmdrm	hypo	CG	-0.6088
Gm10	9790847	9790971	Gmdrm	hypo	CG	-0.46
Gm10	9792017	9792124	Gmdrm	hypo	CG	-0.8716
Gm10	9792446	9792575	Gmdrm	hypo	CG	-0.65
Gm10	9797849	9797965	Gmdrm	hypo	CG	-0.8925
Gm10	9803879	9804165	Gmdrm	hypo	CG	-0.7412
Gm10	9810257	9810392	Gmdrm	hypo	CG	-0.964
Gm10	9830115	9830252	Gmdrm	hypo	CG	-0.215
Gm10	9837208	9837383	Gmdrm	hypo	CG	-0.083
Gm10	9841759	9841866	Gmdrm	hypo	CG	-0.1267
Gm10	9866546	9866742	Gmdrm	hypo	CG	-0.1054
Gm10	9869278	9869499	Gmdrm	hypo	CG	-0.659
Gm10	9938851	9938926	Gmdrm	hypo	CG	-0.5825
Gm10	9940860	9940969	Gmdrm	hypo	CG	-0.7484
Gm10	9944455	9944767	Gmdrm	hypo	CG	-0.09
Gm10	9953477	9953656	Gmdrm	hypo	CG	-0.0315
Gm10	9955794	9956000	Gmdrm	hypo	CG	-0.0578
Gm10	9966869	9966963	Gmdrm	hypo	CG	-0.0217
Gm10	9968316	9968525	Gmdrm	hypo	CG	-0.9572
Gm10	9968699	9968798	Gmdrm	hypo	CG	-0.8424
Gm10	9976205	9976389	Gmdrm	hypo	CG	-0.5483
Gm10	10017073	10017145	Gmdrm	hypo	CG	-0.11
Gm10	10030866	10031666	Gmdrm	hypo	CG	-0.0277
Gm10	10044409	10044630	Gmdrm	hypo	CG	-0.4172
Gm10	10046409	10046626	Gmdrm	hypo	CG	-0.0875
Gm10	10051540	10051785	Gmdrm	hypo	CG	-0.0455
Gm10	10074382	10074497	Gmdrm	hypo	CG	-0.26
Gm10	10082938	10083143	Gmdrm	hypo	CG	-0.0577
Gm10	10108751	10109440	Gmdrm	hypo	CG	-0.0432
Gm10	10170396	10170476	Gmdrm	hypo	CG	-0.9567
Gm10	10196768	10196834	Gmdrm	hypo	CG	-0.07
Gm10	10224890	10224960	Gmdrm	hypo	CG	-0.073
Gm10	10244298	10244394	Gmdrm	hypo	CG	-0.0467
Gm10	10254792	10254901	Gmdrm	hypo	CG	-0.2417
Gm10	10295703	10295817	Gmdrm	hypo	CG	-0.0475
Gm10	10430760	10430821	Gmdrm	hypo	CG	-0.0458
Gm10	10447545	10447943	Gmdrm	hypo	CG	-0.0616
Gm10	10588354	10588516	Gmdrm	hypo	CG	-0.102
Gm10	10642820	10643172	Gmdrm	hypo	CG	-0.0294
Gm10	10675631	10675865	Gmdrm	hypo	CG	-0.0548
Gm10	10803251	10803545	Gmdrm	hypo	CG	-0.0721

Gm10	10871496	10871571	Gmdrm	hypo	CG	-0.2272
Gm10	10905658	10905990	Gmdrm	hypo	CG	-0.4106
Gm10	10906377	10906485	Gmdrm	hypo	CG	-0.554
Gm10	10907014	10907124	Gmdrm	hypo	CG	-0.7917
Gm10	10990385	10990778	Gmdrm	hypo	CG	-0.4132
Gm10	11009012	11009185	Gmdrm	hypo	CG	-0.44
Gm10	11024683	11024688	Gmdrm	hypo	CG	-0.68
Gm10	11044768	11044874	Gmdrm	hypo	CG	-0.7784
Gm10	11045142	11045438	Gmdrm	hypo	CG	-0.53
Gm10	11046481	11046620	Gmdrm	hypo	CG	-0.3491
Gm10	11099007	11099305	Gmdrm	hypo	CG	-0.0408
Gm10	11133392	11133555	Gmdrm	hypo	CG	-0.2266
Gm10	11143343	11143441	Gmdrm	hypo	CG	-0.8388
Gm10	11143726	11143862	Gmdrm	hypo	CG	-0.9565
Gm10	11147233	11147338	Gmdrm	hypo	CG	-0.4483
Gm10	11169037	11169208	Gmdrm	hypo	CG	-0.16
Gm10	11218388	11218625	Gmdrm	hypo	CG	-0.132
Gm10	11245491	11245904	Gmdrm	hypo	CG	-0.3648
Gm10	11291907	11292595	Gmdrm	hypo	CG	-0.045
Gm10	11299520	11299576	Gmdrm	hypo	CG	-0.3317
Gm10	11300041	11300278	Gmdrm	hypo	CG	-0.7722
Gm10	11581524	11581768	Gmdrm	hypo	CG	-0.0427
Gm10	11584292	11584535	Gmdrm	hypo	CG	-0.0439
Gm10	11622087	11622177	Gmdrm	hypo	CG	-0.07
Gm10	11637542	11637689	Gmdrm	hypo	CG	-0.102
Gm10	11639896	11640124	Gmdrm	hypo	CG	-0.1089
Gm10	11640229	11640322	Gmdrm	hypo	CG	-0.386
Gm10	11666315	11666506	Gmdrm	hypo	CG	-0.05
Gm10	11686497	11686810	Gmdrm	hypo	CG	-0.4409
Gm10	11688106	11688242	Gmdrm	hypo	CG	-0.7775
Gm10	11691024	11691074	Gmdrm	hypo	CG	-0.1283
Gm10	11706333	11706452	Gmdrm	hypo	CG	-0.8091
Gm10	11719784	11719913	Gmdrm	hypo	CG	-0.9
Gm10	11778454	11778617	Gmdrm	hypo	CG	-0.415
Gm10	11786772	11787022	Gmdrm	hypo	CG	-0.0493
Gm10	11833277	11833313	Gmdrm	hypo	CG	-0.82
Gm10	11870517	11870606	Gmdrm	hypo	CG	-0.5675
Gm10	11870870	11871203	Gmdrm	hypo	CG	-0.082
Gm10	11871365	11871501	Gmdrm	hypo	CG	-0.604
Gm10	11877361	11877398	Gmdrm	hypo	CG	-0.0925
Gm10	11882702	11883158	Gmdrm	hypo	CG	-0.7461
Gm10	11901107	11901234	Gmdrm	hypo	CG	-0.038
Gm10	11916405	11916552	Gmdrm	hypo	CG	-0.5937
Gm10	11928274	11928408	Gmdrm	hypo	CG	-0.3
Gm10	11929757	11929821	Gmdrm	hypo	CG	-0.1283
Gm10	11930402	11930566	Gmdrm	hypo	CG	-0.6008

Gm10	11931316	11931512	Gmdrm	hypo	CG	-0.4334
Gm10	11932121	11932348	Gmdrm	hypo	CG	-0.2567
Gm10	11932458	11932927	Gmdrm	hypo	CG	-0.1105
Gm10	11936942	11937264	Gmdrm	hypo	CG	-0.4144
Gm10	11960417	11960494	Gmdrm	hypo	CG	-0.82
Gm10	11960623	11960912	Gmdrm	hypo	CG	-0.1195
Gm10	11999783	11999918	Gmdrm	hypo	CG	-0.1238
Gm10	12052391	12052469	Gmdrm	hypo	CG	-0.395
Gm10	12088907	12089060	Gmdrm	hypo	CG	-0.3433
Gm10	12102125	12102260	Gmdrm	hypo	CG	-0.4
Gm10	12102660	12102778	Gmdrm	hypo	CG	-0.765
Gm10	12129061	12129131	Gmdrm	hypo	CG	-0.0614
Gm10	12159817	12160237	Gmdrm	hypo	CG	-0.072
Gm10	12189010	12189061	Gmdrm	hypo	CG	-0.132
Gm10	12191755	12191863	Gmdrm	hypo	CG	-0.1562
Gm10	12213027	12213390	Gmdrm	hypo	CG	-0.852
Gm10	12246937	12247157	Gmdrm	hypo	CG	-0.2366
Gm10	12247273	12247419	Gmdrm	hypo	CG	-0.0572
Gm10	12258363	12258426	Gmdrm	hypo	CG	-0.06
Gm10	12271286	12271645	Gmdrm	hypo	CG	-0.0532
Gm10	12276597	12276654	Gmdrm	hypo	CG	-0.12
Gm10	12287471	12287791	Gmdrm	hypo	CG	-0.0513
Gm10	12336855	12337050	Gmdrm	hypo	CG	-0.0463
Gm10	12383922	12384142	Gmdrm	hypo	CG	-0.087
Gm10	12413512	12414069	Gmdrm	hypo	CG	-0.0374
Gm10	12478176	12478291	Gmdrm	hypo	CG	-0.1083
Gm10	12502823	12502918	Gmdrm	hypo	CG	-0.382
Gm10	12554821	12554895	Gmdrm	hypo	CG	-0.2071
Gm10	12569020	12569203	Gmdrm	hypo	CG	-0.0717
Gm10	12625337	12625679	Gmdrm	hypo	CG	-0.0539
Gm10	12680215	12680425	Gmdrm	hypo	CG	-0.5016
Gm10	12699255	12699265	Gmdrm	hypo	CG	-0.0833
Gm10	12731177	12731331	Gmdrm	hypo	CG	-0.8316
Gm10	12840196	12840240	Gmdrm	hypo	CG	-0.23
Gm10	12840377	12840513	Gmdrm	hypo	CG	-0.078
Gm10	12899513	12899710	Gmdrm	hypo	CG	-0.0597
Gm10	12929921	12930047	Gmdrm	hypo	CG	-0.0528
Gm10	12968799	12968939	Gmdrm	hypo	CG	-0.4438
Gm10	13017945	13018076	Gmdrm	hypo	CG	-0.12
Gm10	13045436	13045696	Gmdrm	hypo	CG	-0.5957
Gm10	13049294	13049373	Gmdrm	hypo	CG	-0.955
Gm10	13058298	13058355	Gmdrm	hypo	CG	-0.1534
Gm10	13064979	13065160	Gmdrm	hypo	CG	-0.242
Gm10	13092435	13092537	Gmdrm	hypo	CG	-0.1714
Gm10	13102331	13102482	Gmdrm	hypo	CG	-0.514
Gm10	13143411	13143552	Gmdrm	hypo	CG	-0.0682

Gm10	13167748	13167835	Gmdrm	hypo	CG	-0.92
Gm10	13168310	13168664	Gmdrm	hypo	CG	-0.8172
Gm10	13170074	13170158	Gmdrm	hypo	CG	-0.9167
Gm10	13174489	13175028	Gmdrm	hypo	CG	-0.3233
Gm10	13250799	13250860	Gmdrm	hypo	CG	-0.754
Gm10	13253595	13253690	Gmdrm	hypo	CG	-0.6425
Gm10	13271930	13271999	Gmdrm	hypo	CG	-0.452
Gm10	13285266	13285369	Gmdrm	hypo	CG	-0.845
Gm10	13285684	13285729	Gmdrm	hypo	CG	-0.3862
Gm10	13367303	13367543	Gmdrm	hypo	CG	-0.0813
Gm10	13377339	13377572	Gmdrm	hypo	CG	-0.568
Gm10	13377702	13377753	Gmdrm	hypo	CG	-0.4617
Gm10	13388816	13388827	Gmdrm	hypo	CG	-0.7367
Gm10	13402410	13402736	Gmdrm	hypo	CG	-0.42
Gm10	13421482	13421562	Gmdrm	hypo	CG	-0.5833
Gm10	13470708	13470796	Gmdrm	hypo	CG	-0.09
Gm10	13482150	13482908	Gmdrm	hypo	CG	-0.0448
Gm10	13537230	13537765	Gmdrm	hypo	CG	-0.0321
Gm10	13558071	13558118	Gmdrm	hypo	CG	-0.5617
Gm10	13573440	13573894	Gmdrm	hypo	CG	-0.0615
Gm10	13749459	13749660	Gmdrm	hypo	CG	-0.275
Gm10	13819695	13820090	Gmdrm	hypo	CG	-0.0421
Gm10	13821071	13821573	Gmdrm	hypo	CG	-0.0326
Gm10	13849211	13849779	Gmdrm	hypo	CG	-0.0374
Gm10	13851255	13851295	Gmdrm	hypo	CG	-0.08
Gm10	13870713	13870838	Gmdrm	hypo	CG	-0.0442
Gm10	13902867	13903852	Gmdrm	hypo	CG	-0.0403
Gm10	14038231	14038930	Gmdrm	hypo	CG	-0.0837
Gm10	14138729	14138957	Gmdrm	hypo	CG	-0.1142
Gm10	14550995	14551267	Gmdrm	hypo	CG	-0.0604
Gm10	14707896	14708545	Gmdrm	hypo	CG	-0.0216
Gm10	14769250	14769424	Gmdrm	hypo	CG	-0.11
Gm10	14863693	14863811	Gmdrm	hypo	CG	-0.1287
Gm10	14936558	14937350	Gmdrm	hypo	CG	-0.0363
Gm10	15055244	15055492	Gmdrm	hypo	CG	-0.6616
Gm10	15056984	15057226	Gmdrm	hypo	CG	-0.1193
Gm10	15058162	15058260	Gmdrm	hypo	CG	-0.6112
Gm10	15058433	15058532	Gmdrm	hypo	CG	-0.6474
Gm10	15100761	15100952	Gmdrm	hypo	CG	-0.1641
Gm10	15104076	15104275	Gmdrm	hypo	CG	-0.4058
Gm10	15112726	15112839	Gmdrm	hypo	CG	-0.3429
Gm10	15131811	15131918	Gmdrm	hypo	CG	-0.6817
Gm10	15155214	15155266	Gmdrm	hypo	CG	-0.0717
Gm10	15210801	15211238	Gmdrm	hypo	CG	-0.0509
Gm10	15211694	15211800	Gmdrm	hypo	CG	-0.0387
Gm10	15266256	15266373	Gmdrm	hypo	CG	-0.093

Gm10	15288007	15288223	Gmdrm	hypo	CG	-0.0976
Gm10	15300305	15300397	Gmdrm	hypo	CG	-0.72
Gm10	15363359	15363509	Gmdrm	hypo	CG	-0.2334
Gm10	15365924	15365999	Gmdrm	hypo	CG	-0.04
Gm10	15374655	15374808	Gmdrm	hypo	CG	-0.0545
Gm10	15389237	15389374	Gmdrm	hypo	CG	-0.1363
Gm10	15416789	15416843	Gmdrm	hypo	CG	-0.5833
Gm10	15536923	15537055	Gmdrm	hypo	CG	-0.0375
Gm10	15542940	15543463	Gmdrm	hypo	CG	-0.03
Gm10	15636318	15636637	Gmdrm	hypo	CG	-0.0074
Gm10	15636825	15637528	Gmdrm	hypo	CG	-0.0098
Gm10	15647034	15647224	Gmdrm	hypo	CG	-0.089
Gm10	15660630	15660876	Gmdrm	hypo	CG	-0.0413
Gm10	15707902	15708544	Gmdrm	hypo	CG	-0.0455
Gm10	15733931	15734848	Gmdrm	hypo	CG	-0.0315
Gm10	15825608	15825690	Gmdrm	hypo	CG	-0.4933
Gm10	15837933	15838209	Gmdrm	hypo	CG	-0.1295
Gm10	15916962	15917091	Gmdrm	hypo	CG	-0.0481
Gm10	15928668	15928824	Gmdrm	hypo	CG	-0.0822
Gm10	15975263	15975640	Gmdrm	hypo	CG	-0.0225
Gm10	16021485	16021660	Gmdrm	hypo	CG	-0.0782
Gm10	16069708	16070099	Gmdrm	hypo	CG	-0.0532
Gm10	16126448	16126503	Gmdrm	hypo	CG	-0.0538
Gm10	16220217	16220323	Gmdrm	hypo	CG	-0.1085
Gm10	16234674	16234972	Gmdrm	hypo	CG	-0.0445
Gm10	16311250	16311644	Gmdrm	hypo	CG	-0.0492
Gm10	16343855	16343964	Gmdrm	hypo	CG	-0.04
Gm10	16352836	16352921	Gmdrm	hypo	CG	-0.0538
Gm10	16356004	16356596	Gmdrm	hypo	CG	-0.0493
Gm10	16474231	16475212	Gmdrm	hypo	CG	-0.041
Gm10	16475266	16475378	Gmdrm	hypo	CG	-0.207
Gm10	16477042	16477420	Gmdrm	hypo	CG	-0.8406
Gm10	16494292	16494652	Gmdrm	hypo	CG	-0.0741
Gm10	16494979	16495242	Gmdrm	hypo	CG	-0.485
Gm10	16507297	16507512	Gmdrm	hypo	CG	-0.583
Gm10	16556778	16556942	Gmdrm	hypo	CG	-0.8606
Gm10	16598652	16598680	Gmdrm	hypo	CG	-0.3475
Gm10	16598787	16598876	Gmdrm	hypo	CG	-0.9
Gm10	16601610	16601679	Gmdrm	hypo	CG	-0.17
Gm10	16663383	16663466	Gmdrm	hypo	CG	-0.73
Gm10	16664911	16665002	Gmdrm	hypo	CG	-0.232
Gm10	16686687	16686986	Gmdrm	hypo	CG	-0.0348
Gm10	16699717	16699835	Gmdrm	hypo	CG	-0.45
Gm10	16700687	16700757	Gmdrm	hypo	CG	-0.1983
Gm10	16761403	16761676	Gmdrm	hypo	CG	-0.14
Gm10	16764396	16764494	Gmdrm	hypo	CG	-0.175

Gm10	16778601	16778669	Gmdrm	hypo	CG	-0.3817
Gm10	16789722	16789923	Gmdrm	hypo	CG	-0.78
Gm10	16793736	16793791	Gmdrm	hypo	CG	-0.6513
Gm10	16806054	16806269	Gmdrm	hypo	CG	-0.849
Gm10	16811468	16811591	Gmdrm	hypo	CG	-0.51
Gm10	16816773	16816924	Gmdrm	hypo	CG	-0.5833
Gm10	16817142	16817180	Gmdrm	hypo	CG	-0.1544
Gm10	16826118	16826309	Gmdrm	hypo	CG	-0.0433
Gm10	16827049	16827380	Gmdrm	hypo	CG	-0.5794
Gm10	16870097	16870198	Gmdrm	hypo	CG	-0.4712
Gm10	16870486	16870544	Gmdrm	hypo	CG	-0.7067
Gm10	16886706	16886897	Gmdrm	hypo	CG	-0.2563
Gm10	16887100	16887247	Gmdrm	hypo	CG	-0.4037
Gm10	16994649	16994967	Gmdrm	hypo	CG	-0.1663
Gm10	17259751	17260061	Gmdrm	hypo	CG	-0.048
Gm10	17329699	17329873	Gmdrm	hypo	CG	-0.026
Gm10	17339453	17339799	Gmdrm	hypo	CG	-0.0805
Gm10	17508090	17508377	Gmdrm	hypo	CG	-0.02
Gm10	17536313	17536713	Gmdrm	hypo	CG	-0.0385
Gm10	17591587	17592057	Gmdrm	hypo	CG	-0.0513
Gm10	17660636	17661059	Gmdrm	hypo	CG	-0.0618
Gm10	17697911	17698441	Gmdrm	hypo	CG	-0.0317
Gm10	17804397	17804489	Gmdrm	hypo	CG	-0.0388
Gm10	17819673	17819997	Gmdrm	hypo	CG	-0.0378
Gm10	17821123	17821348	Gmdrm	hypo	CG	-0.0437
Gm10	17962763	17963467	Gmdrm	hypo	CG	-0.0491
Gm10	17970628	17971305	Gmdrm	hypo	CG	-0.0311
Gm10	17982710	17983686	Gmdrm	hypo	CG	-0.0332
Gm10	18017928	18018731	Gmdrm	hypo	CG	-0.0547
Gm10	18071304	18071438	Gmdrm	hypo	CG	-0.5
Gm10	18139991	18140551	Gmdrm	hypo	CG	-0.0278
Gm10	18197142	18197490	Gmdrm	hypo	CG	-0.1178
Gm10	18461087	18461331	Gmdrm	hypo	CG	-0.06
Gm10	18640145	18640729	Gmdrm	hypo	CG	-0.0188
Gm10	18645804	18646336	Gmdrm	hypo	CG	-0.0247
Gm10	18668165	18668454	Gmdrm	hypo	CG	-0.046
Gm10	18692754	18692905	Gmdrm	hypo	CG	-0.5963
Gm10	18723859	18723949	Gmdrm	hypo	CG	-0.054
Gm10	18740997	18741312	Gmdrm	hypo	CG	-0.0515
Gm10	18910357	18910574	Gmdrm	hypo	CG	-0.8985
Gm10	18937551	18937676	Gmdrm	hypo	CG	-0.068
Gm10	19038110	19038316	Gmdrm	hypo	CG	-0.0658
Gm10	19075903	19075997	Gmdrm	hypo	CG	-0.2583
Gm10	19095546	19095673	Gmdrm	hypo	CG	-0.5494
Gm10	19105671	19106132	Gmdrm	hypo	CG	-0.0341
Gm10	19145502	19145670	Gmdrm	hypo	CG	-0.1043

Gm10	19272542	19272686	Gmdrm	hypo	CG	-0.0966
Gm10	19314502	19314710	Gmdrm	hypo	CG	-0.0975
Gm10	19369762	19370670	Gmdrm	hypo	CG	-0.0446
Gm10	19488858	19489085	Gmdrm	hypo	CG	-0.036
Gm10	19515778	19516129	Gmdrm	hypo	CG	-0.0508
Gm10	19569329	19569416	Gmdrm	hypo	CG	-0.8957
Gm10	19570618	19570666	Gmdrm	hypo	CG	-0.8
Gm10	19664997	19665445	Gmdrm	hypo	CG	-0.1088
Gm10	19926282	19926519	Gmdrm	hypo	CG	-0.0614
Gm10	19960146	19960215	Gmdrm	hypo	CG	-0.096
Gm10	20054000	20054243	Gmdrm	hypo	CG	-0.1791
Gm10	20125343	20126073	Gmdrm	hypo	CG	-0.035
Gm10	20197631	20197755	Gmdrm	hypo	CG	-0.1566
Gm10	20217280	20217452	Gmdrm	hypo	CG	-0.105
Gm10	20229544	20229681	Gmdrm	hypo	CG	-0.08
Gm10	20237351	20237422	Gmdrm	hypo	CG	-0.05
Gm10	20402005	20402244	Gmdrm	hypo	CG	-0.0377
Gm10	20410258	20410629	Gmdrm	hypo	CG	-0.3507
Gm10	20429029	20429706	Gmdrm	hypo	CG	-0.0829
Gm10	20477708	20477932	Gmdrm	hypo	CG	-0.07
Gm10	20536491	20536547	Gmdrm	hypo	CG	-0.0492
Gm10	20555309	20555407	Gmdrm	hypo	CG	-0.1717
Gm10	20618452	20618623	Gmdrm	hypo	CG	-0.1055
Gm10	20745906	20746094	Gmdrm	hypo	CG	-0.0938
Gm10	20810308	20811292	Gmdrm	hypo	CG	-0.0374
Gm10	20939725	20940302	Gmdrm	hypo	CG	-0.0503
Gm10	21209685	21209874	Gmdrm	hypo	CG	-0.8694
Gm10	21216937	21217046	Gmdrm	hypo	CG	-0.1117
Gm10	21285953	21286446	Gmdrm	hypo	CG	-0.0453
Gm10	21288573	21288706	Gmdrm	hypo	CG	-0.6317
Gm10	21288908	21289014	Gmdrm	hypo	CG	-0.975
Gm10	21290593	21290915	Gmdrm	hypo	CG	-0.8443
Gm10	21315411	21315468	Gmdrm	hypo	CG	-0.0767
Gm10	21420750	21420885	Gmdrm	hypo	CG	-0.0737
Gm10	21433472	21433958	Gmdrm	hypo	CG	-0.0517
Gm10	21467417	21468185	Gmdrm	hypo	CG	-0.05
Gm10	21477003	21477144	Gmdrm	hypo	CG	-0.105
Gm10	21515053	21515147	Gmdrm	hypo	CG	-0.0513
Gm10	21568122	21568137	Gmdrm	hypo	CG	-0.5434
Gm10	21574603	21574667	Gmdrm	hypo	CG	-0.0583
Gm10	21612318	21612416	Gmdrm	hypo	CG	-0.7134
Gm10	21613395	21613522	Gmdrm	hypo	CG	-0.1259
Gm10	21773537	21773715	Gmdrm	hypo	CG	-0.05
Gm10	21865591	21866020	Gmdrm	hypo	CG	-0.1335
Gm10	21870624	21871427	Gmdrm	hypo	CG	-0.0309
Gm10	21871535	21872415	Gmdrm	hypo	CG	-0.0309

Gm10	21878479	21878551	Gmdrm	hypo	CG	-0.1321
Gm10	21878963	21879002	Gmdrm	hypo	CG	-0.425
Gm10	21879428	21879642	Gmdrm	hypo	CG	-0.835
Gm10	21880725	21880902	Gmdrm	hypo	CG	-0.8443
Gm10	21903701	21903732	Gmdrm	hypo	CG	-0.1266
Gm10	21986785	21987403	Gmdrm	hypo	CG	-0.0603
Gm10	22005563	22006173	Gmdrm	hypo	CG	-0.0579
Gm10	22014713	22014913	Gmdrm	hypo	CG	-0.066
Gm10	22136397	22136590	Gmdrm	hypo	CG	-0.0742
Gm10	22157020	22157578	Gmdrm	hypo	CG	-0.0505
Gm10	22159108	22159654	Gmdrm	hypo	CG	-0.0393
Gm10	22242378	22242555	Gmdrm	hypo	CG	-0.1069
Gm10	22322475	22322941	Gmdrm	hypo	CG	-0.0421
Gm10	22424306	22424862	Gmdrm	hypo	CG	-0.0568
Gm10	22459917	22460054	Gmdrm	hypo	CG	-0.8843
Gm10	22576239	22576314	Gmdrm	hypo	CG	-0.11
Gm10	22664960	22665073	Gmdrm	hypo	CG	-0.095
Gm10	22692419	22692482	Gmdrm	hypo	CG	-0.0713
Gm10	22790116	22790159	Gmdrm	hypo	CG	-0.5367
Gm10	22836043	22836166	Gmdrm	hypo	CG	-0.2024
Gm10	22988099	22988168	Gmdrm	hypo	CG	-0.094
Gm10	23016441	23017185	Gmdrm	hypo	CG	-0.0281
Gm10	23078751	23078872	Gmdrm	hypo	CG	-0.8288
Gm10	23083325	23083442	Gmdrm	hypo	CG	-0.916
Gm10	23083564	23083645	Gmdrm	hypo	CG	-0.9438
Gm10	23192417	23192544	Gmdrm	hypo	CG	-0.835
Gm10	23206039	23206101	Gmdrm	hypo	CG	-0.08
Gm10	23246379	23246628	Gmdrm	hypo	CG	-0.0459
Gm10	23264733	23264862	Gmdrm	hypo	CG	-0.0733
Gm10	23282890	23283062	Gmdrm	hypo	CG	-0.506
Gm10	23312659	23312753	Gmdrm	hypo	CG	-0.5512
Gm10	23313012	23313054	Gmdrm	hypo	CG	-0.1175
Gm10	23314613	23315435	Gmdrm	hypo	CG	-0.0316
Gm10	23345043	23345118	Gmdrm	hypo	CG	-0.5817
Gm10	23345287	23345360	Gmdrm	hypo	CG	-0.7884
Gm10	23363519	23363806	Gmdrm	hypo	CG	-0.2073
Gm10	23366121	23366387	Gmdrm	hypo	CG	-0.4346
Gm10	23389217	23389260	Gmdrm	hypo	CG	-0.0775
Gm10	23431557	23431632	Gmdrm	hypo	CG	-0.1286
Gm10	23655121	23655229	Gmdrm	hypo	CG	-0.4799
Gm10	23682266	23682333	Gmdrm	hypo	CG	-0.8075
Gm10	23693984	23694041	Gmdrm	hypo	CG	-0.878
Gm10	23694510	23694562	Gmdrm	hypo	CG	-0.5209
Gm10	23694663	23695006	Gmdrm	hypo	CG	-0.2633
Gm10	23728947	23729056	Gmdrm	hypo	CG	-0.6017
Gm10	23782914	23783328	Gmdrm	hypo	CG	-0.0438

Gm10	23783434	23783504	Gmdrm	hypo	CG	-0.0483
Gm10	23834244	23834598	Gmdrm	hypo	CG	-0.0792
Gm10	23845772	23846390	Gmdrm	hypo	CG	-0.0376
Gm10	23899839	23900247	Gmdrm	hypo	CG	-0.4095
Gm10	23944733	23944800	Gmdrm	hypo	CG	-0.0557
Gm10	24042871	24043029	Gmdrm	hypo	CG	-0.0432
Gm10	24065362	24065456	Gmdrm	hypo	CG	-0.9938
Gm10	24134377	24134410	Gmdrm	hypo	CG	-0.08
Gm10	24197556	24197982	Gmdrm	hypo	CG	-0.1043
Gm10	24207333	24207579	Gmdrm	hypo	CG	-0.1317
Gm10	24258358	24258477	Gmdrm	hypo	CG	-0.8571
Gm10	24261222	24261421	Gmdrm	hypo	CG	-0.061
Gm10	24276665	24277057	Gmdrm	hypo	CG	-0.0383
Gm10	24305961	24306253	Gmdrm	hypo	CG	-0.0511
Gm10	24374293	24374543	Gmdrm	hypo	CG	-0.5445
Gm10	24436309	24436725	Gmdrm	hypo	CG	-0.0444
Gm10	24445373	24445520	Gmdrm	hypo	CG	-0.2631
Gm10	24450945	24451158	Gmdrm	hypo	CG	-0.3137
Gm10	24471399	24471534	Gmdrm	hypo	CG	-0.115
Gm10	24475015	24475366	Gmdrm	hypo	CG	-0.3755
Gm10	24537523	24537814	Gmdrm	hypo	CG	-0.0383
Gm10	24565383	24565388	Gmdrm	hypo	CG	-0.05
Gm10	24641393	24641791	Gmdrm	hypo	CG	-0.0477
Gm10	24646315	24646993	Gmdrm	hypo	CG	-0.0645
Gm10	24682494	24682526	Gmdrm	hypo	CG	-0.08
Gm10	24717959	24718335	Gmdrm	hypo	CG	-0.0631
Gm10	24791765	24791862	Gmdrm	hypo	CG	-0.072
Gm10	24803418	24803613	Gmdrm	hypo	CG	-0.1266
Gm10	24804228	24804420	Gmdrm	hypo	CG	-0.583
Gm10	24842786	24842872	Gmdrm	hypo	CG	-0.1329
Gm10	24874021	24874604	Gmdrm	hypo	CG	-0.0582
Gm10	24909744	24910018	Gmdrm	hypo	CG	-0.7108
Gm10	24915450	24915612	Gmdrm	hypo	CG	-0.21
Gm10	24959081	24959196	Gmdrm	hypo	CG	-0.1712
Gm10	24962004	24962241	Gmdrm	hypo	CG	-0.2813
Gm10	24962483	24962773	Gmdrm	hypo	CG	-0.5029
Gm10	24969879	24970572	Gmdrm	hypo	CG	-0.0277
Gm10	25011714	25012013	Gmdrm	hypo	CG	-0.0515
Gm10	25035262	25035604	Gmdrm	hypo	CG	-0.3073
Gm10	25042723	25042844	Gmdrm	hypo	CG	-0.06
Gm10	25071667	25071810	Gmdrm	hypo	CG	-0.643
Gm10	25130748	25130876	Gmdrm	hypo	CG	-0.9508
Gm10	25138169	25138432	Gmdrm	hypo	CG	-0.4294
Gm10	25148645	25149566	Gmdrm	hypo	CG	-0.0238
Gm10	25150253	25150428	Gmdrm	hypo	CG	-0.127
Gm10	25170197	25170398	Gmdrm	hypo	CG	-0.3581

Gm10	25178361	25178489	Gmdrm	hypo	CG	-0.6037
Gm10	25212655	25212692	Gmdrm	hypo	CG	-0.095
Gm10	25225394	25225463	Gmdrm	hypo	CG	-0.064
Gm10	25254524	25254566	Gmdrm	hypo	CG	-0.0783
Gm10	25261165	25261272	Gmdrm	hypo	CG	-0.1514
Gm10	25283275	25283393	Gmdrm	hypo	CG	-0.9757
Gm10	25284527	25284826	Gmdrm	hypo	CG	-0.954
Gm10	25297523	25297620	Gmdrm	hypo	CG	-0.0883
Gm10	25330338	25330424	Gmdrm	hypo	CG	-0.0767
Gm10	25345722	25345805	Gmdrm	hypo	CG	-0.0583
Gm10	25381512	25381538	Gmdrm	hypo	CG	-0.16
Gm10	25401096	25401128	Gmdrm	hypo	CG	-0.07
Gm10	25496943	25497375	Gmdrm	hypo	CG	-0.0263
Gm10	25522403	25522795	Gmdrm	hypo	CG	-0.0788
Gm10	25562906	25563067	Gmdrm	hypo	CG	-0.1572
Gm10	25600914	25601013	Gmdrm	hypo	CG	-0.8284
Gm10	25667700	25667759	Gmdrm	hypo	CG	-0.2367
Gm10	25757749	25757868	Gmdrm	hypo	CG	-0.0608
Gm10	25761607	25762288	Gmdrm	hypo	CG	-0.5258
Gm10	25776432	25776572	Gmdrm	hypo	CG	-0.5437
Gm10	25778750	25778780	Gmdrm	hypo	CG	-0.0817
Gm10	25779621	25779685	Gmdrm	hypo	CG	-0.855
Gm10	25834459	25834991	Gmdrm	hypo	CG	-0.0507
Gm10	25916524	25916648	Gmdrm	hypo	CG	-0.6028
Gm10	25920798	25921236	Gmdrm	hypo	CG	-0.125
Gm10	25938723	25939337	Gmdrm	hypo	CG	-0.0461
Gm10	25939669	25939714	Gmdrm	hypo	CG	-0.1617
Gm10	25966220	25966663	Gmdrm	hypo	CG	-0.0306
Gm10	25991106	25991212	Gmdrm	hypo	CG	-0.1216
Gm10	26044861	26045325	Gmdrm	hypo	CG	-0.1055
Gm10	26054017	26054144	Gmdrm	hypo	CG	-0.166
Gm10	26081399	26081600	Gmdrm	hypo	CG	-0.0636
Gm10	26092977	26093952	Gmdrm	hypo	CG	-0.0416
Gm10	26125166	26125447	Gmdrm	hypo	CG	-0.9042
Gm10	26129641	26129733	Gmdrm	hypo	CG	-0.555
Gm10	26130937	26131043	Gmdrm	hypo	CG	-0.74
Gm10	26159128	26159230	Gmdrm	hypo	CG	-0.1225
Gm10	26227562	26227659	Gmdrm	hypo	CG	-0.166
Gm10	26300275	26300374	Gmdrm	hypo	CG	-0.072
Gm10	26312592	26312812	Gmdrm	hypo	CG	-0.1273
Gm10	26437306	26437841	Gmdrm	hypo	CG	-0.0328
Gm10	26453080	26453220	Gmdrm	hypo	CG	-0.09
Gm10	26501744	26502170	Gmdrm	hypo	CG	-0.0354
Gm10	26507673	26507948	Gmdrm	hypo	CG	-0.058
Gm10	26512025	26512198	Gmdrm	hypo	CG	-0.0917
Gm10	26582064	26582193	Gmdrm	hypo	CG	-0.0688

Gm10	26637269	26637712	Gmdrm	hypo	CG	-0.0389
Gm10	26641575	26641815	Gmdrm	hypo	CG	-0.1155
Gm10	26688015	26688125	Gmdrm	hypo	CG	-0.15
Gm10	26741320	26741536	Gmdrm	hypo	CG	-0.195
Gm10	26757240	26757753	Gmdrm	hypo	CG	-0.0517
Gm10	26931891	26931967	Gmdrm	hypo	CG	-0.465
Gm10	26964475	26964684	Gmdrm	hypo	CG	-0.44
Gm10	26965613	26965935	Gmdrm	hypo	CG	-0.918
Gm10	27056414	27056594	Gmdrm	hypo	CG	-0.0392
Gm10	27119741	27119883	Gmdrm	hypo	CG	-0.0862
Gm10	27183435	27183962	Gmdrm	hypo	CG	-0.0633
Gm10	27193184	27193218	Gmdrm	hypo	CG	-0.65
Gm10	27228290	27228628	Gmdrm	hypo	CG	-0.1901
Gm10	27245583	27245704	Gmdrm	hypo	CG	-0.6936
Gm10	27340962	27341257	Gmdrm	hypo	CG	-0.0453
Gm10	27347353	27347745	Gmdrm	hypo	CG	-0.0448
Gm10	27392672	27392788	Gmdrm	hypo	CG	-0.2243
Gm10	27430617	27431001	Gmdrm	hypo	CG	-0.1527
Gm10	27443304	27443399	Gmdrm	hypo	CG	-0.7075
Gm10	27448064	27448184	Gmdrm	hypo	CG	-0.174
Gm10	27453728	27453904	Gmdrm	hypo	CG	-0.0492
Gm10	27501331	27501590	Gmdrm	hypo	CG	-0.075
Gm10	27522650	27522769	Gmdrm	hypo	CG	-0.07
Gm10	27726474	27726667	Gmdrm	hypo	CG	-0.0787
Gm10	27771444	27771483	Gmdrm	hypo	CG	-0.7267
Gm10	27772097	27772233	Gmdrm	hypo	CG	-0.1225
Gm10	27773877	27774234	Gmdrm	hypo	CG	-0.0428
Gm10	27782759	27782920	Gmdrm	hypo	CG	-0.9343
Gm10	27809769	27809857	Gmdrm	hypo	CG	-0.748
Gm10	27830078	27830513	Gmdrm	hypo	CG	-0.0548
Gm10	27924302	27924407	Gmdrm	hypo	CG	-0.0625
Gm10	27928674	27928846	Gmdrm	hypo	CG	-0.0591
Gm10	27983477	27983572	Gmdrm	hypo	CG	-0.068
Gm10	28173888	28173921	Gmdrm	hypo	CG	-0.0833
Gm10	28237210	28237242	Gmdrm	hypo	CG	-0.9617
Gm10	28340976	28341542	Gmdrm	hypo	CG	-0.0354
Gm10	28345091	28345154	Gmdrm	hypo	CG	-0.414
Gm10	28407749	28407968	Gmdrm	hypo	CG	-0.067
Gm10	28518318	28518465	Gmdrm	hypo	CG	-0.355
Gm10	28518670	28518764	Gmdrm	hypo	CG	-0.036
Gm10	28589149	28589192	Gmdrm	hypo	CG	-0.3485
Gm10	28593077	28593380	Gmdrm	hypo	CG	-0.0492
Gm10	28621010	28621308	Gmdrm	hypo	CG	-0.545
Gm10	28657706	28657891	Gmdrm	hypo	CG	-0.0564
Gm10	28731194	28731613	Gmdrm	hypo	CG	-0.4884
Gm10	28741950	28742721	Gmdrm	hypo	CG	-0.0332

Gm10	28965582	28966186	Gmdrm	hypo	CG	-0.0247
Gm10	28970973	28971964	Gmdrm	hypo	CG	-0.0532
Gm10	28983396	28983789	Gmdrm	hypo	CG	-0.0492
Gm10	29020164	29021125	Gmdrm	hypo	CG	-0.0345
Gm10	29066264	29066417	Gmdrm	hypo	CG	-0.4491
Gm10	29085640	29085844	Gmdrm	hypo	CG	-0.3284
Gm10	29087456	29087536	Gmdrm	hypo	CG	-0.1325
Gm10	29091924	29092720	Gmdrm	hypo	CG	-0.0743
Gm10	29092852	29092913	Gmdrm	hypo	CG	-0.49
Gm10	29173533	29173675	Gmdrm	hypo	CG	-0.085
Gm10	29206530	29207400	Gmdrm	hypo	CG	-0.0353
Gm10	29229435	29229810	Gmdrm	hypo	CG	-0.0485
Gm10	29263676	29263776	Gmdrm	hypo	CG	-0.3678
Gm10	29265142	29265331	Gmdrm	hypo	CG	-0.9625
Gm10	29288560	29288772	Gmdrm	hypo	CG	-0.5776
Gm10	29308621	29308666	Gmdrm	hypo	CG	-0.6717
Gm10	29308803	29309064	Gmdrm	hypo	CG	-0.574
Gm10	29404167	29404749	Gmdrm	hypo	CG	-0.05
Gm10	29433341	29433965	Gmdrm	hypo	CG	-0.0392
Gm10	29446770	29446948	Gmdrm	hypo	CG	-0.4147
Gm10	29571080	29571624	Gmdrm	hypo	CG	-0.1
Gm10	29612485	29612730	Gmdrm	hypo	CG	-0.0588
Gm10	29677510	29677556	Gmdrm	hypo	CG	-0.1
Gm10	29760798	29761240	Gmdrm	hypo	CG	-0.0778
Gm10	29823493	29824197	Gmdrm	hypo	CG	-0.0593
Gm10	29834975	29835610	Gmdrm	hypo	CG	-0.035
Gm10	29838715	29838909	Gmdrm	hypo	CG	-0.0711
Gm10	29839600	29839707	Gmdrm	hypo	CG	-0.054
Gm10	29881621	29882370	Gmdrm	hypo	CG	-0.0511
Gm10	29932493	29932782	Gmdrm	hypo	CG	-0.3046
Gm10	29968891	29968965	Gmdrm	hypo	CG	-0.138
Gm10	29971377	29971607	Gmdrm	hypo	CG	-0.3591
Gm10	29974137	29974219	Gmdrm	hypo	CG	-0.7024
Gm10	30003400	30003924	Gmdrm	hypo	CG	-0.031
Gm10	30025151	30025416	Gmdrm	hypo	CG	-0.0754
Gm10	30091985	30092087	Gmdrm	hypo	CG	-0.625
Gm10	30153270	30153337	Gmdrm	hypo	CG	-0.875
Gm10	30155623	30155724	Gmdrm	hypo	CG	-0.2
Gm10	30169500	30169676	Gmdrm	hypo	CG	-0.7758
Gm10	30170265	30170413	Gmdrm	hypo	CG	-0.4737
Gm10	30180811	30181086	Gmdrm	hypo	CG	-0.7125
Gm10	30185027	30185135	Gmdrm	hypo	CG	-0.079
Gm10	30228929	30229058	Gmdrm	hypo	CG	-0.262
Gm10	30230736	30230938	Gmdrm	hypo	CG	-0.7387
Gm10	30239164	30239226	Gmdrm	hypo	CG	-0.9025
Gm10	30249894	30250397	Gmdrm	hypo	CG	-0.0465

Gm10	30269917	30270147	Gmdrm	hypo	CG	-0.6757
Gm10	30270281	30270339	Gmdrm	hypo	CG	-0.3271
Gm10	30270442	30270642	Gmdrm	hypo	CG	-0.2879
Gm10	30277613	30277919	Gmdrm	hypo	CG	-0.0307
Gm10	30478627	30478733	Gmdrm	hypo	CG	-0.07
Gm10	30479330	30479364	Gmdrm	hypo	CG	-0.804
Gm10	30485469	30485535	Gmdrm	hypo	CG	-0.6617
Gm10	30499911	30500089	Gmdrm	hypo	CG	-0.898
Gm10	30512346	30512497	Gmdrm	hypo	CG	-0.465
Gm10	30513716	30513883	Gmdrm	hypo	CG	-0.5975
Gm10	30514203	30514304	Gmdrm	hypo	CG	-0.6664
Gm10	30521611	30521689	Gmdrm	hypo	CG	-0.5233
Gm10	30532429	30532544	Gmdrm	hypo	CG	-0.5134
Gm10	30532658	30532842	Gmdrm	hypo	CG	-0.5763
Gm10	30549608	30549846	Gmdrm	hypo	CG	-0.1381
Gm10	30559153	30559455	Gmdrm	hypo	CG	-0.3418
Gm10	30669067	30669209	Gmdrm	hypo	CG	-0.0461
Gm10	30714908	30715058	Gmdrm	hypo	CG	-0.5088
Gm10	30721586	30721841	Gmdrm	hypo	CG	-0.6896
Gm10	30731764	30732135	Gmdrm	hypo	CG	-0.0241
Gm10	30735963	30736049	Gmdrm	hypo	CG	-0.9162
Gm10	30737031	30737120	Gmdrm	hypo	CG	-0.3716
Gm10	30828804	30829752	Gmdrm	hypo	CG	-0.0215
Gm10	30832674	30833261	Gmdrm	hypo	CG	-0.3882
Gm10	30834973	30835077	Gmdrm	hypo	CG	-0.8043
Gm10	30853545	30853647	Gmdrm	hypo	CG	-0.1683
Gm10	30882148	30882259	Gmdrm	hypo	CG	-0.878
Gm10	30882426	30882631	Gmdrm	hypo	CG	-0.8708
Gm10	30914845	30915226	Gmdrm	hypo	CG	-0.0505
Gm10	30915379	30915490	Gmdrm	hypo	CG	-0.293
Gm10	30919161	30919288	Gmdrm	hypo	CG	-0.6425
Gm10	30943375	30943838	Gmdrm	hypo	CG	-0.0521
Gm10	30949001	30949133	Gmdrm	hypo	CG	-0.6238
Gm10	30960526	30960674	Gmdrm	hypo	CG	-0.047
Gm10	30965796	30965920	Gmdrm	hypo	CG	-0.1164
Gm10	31039243	31039296	Gmdrm	hypo	CG	-0.8616
Gm10	31097348	31097468	Gmdrm	hypo	CG	-0.15
Gm10	31182901	31183111	Gmdrm	hypo	CG	-0.575
Gm10	31282292	31282983	Gmdrm	hypo	CG	-0.0356
Gm10	31315596	31315809	Gmdrm	hypo	CG	-0.0355
Gm10	31337933	31338124	Gmdrm	hypo	CG	-0.0578
Gm10	31429128	31429849	Gmdrm	hypo	CG	-0.0385
Gm10	31437462	31437556	Gmdrm	hypo	CG	-0.55
Gm10	31444477	31444620	Gmdrm	hypo	CG	-0.7975
Gm10	31482110	31482330	Gmdrm	hypo	CG	-0.0705
Gm10	31485492	31485593	Gmdrm	hypo	CG	-0.37

Gm10	31485779	31485852	Gmdrm	hypo	CG	-0.838
Gm10	31485987	31486149	Gmdrm	hypo	CG	-0.631
Gm10	31490694	31490774	Gmdrm	hypo	CG	-0.4367
Gm10	31490924	31491290	Gmdrm	hypo	CG	-0.2581
Gm10	31526116	31526215	Gmdrm	hypo	CG	-0.21
Gm10	31544684	31545156	Gmdrm	hypo	CG	-0.0435
Gm10	31551767	31552148	Gmdrm	hypo	CG	-0.5735
Gm10	31553126	31553423	Gmdrm	hypo	CG	-0.663
Gm10	31609556	31609579	Gmdrm	hypo	CG	-0.1267
Gm10	31623856	31623897	Gmdrm	hypo	CG	-0.1325
Gm10	31766117	31766172	Gmdrm	hypo	CG	-0.0612
Gm10	31772596	31772654	Gmdrm	hypo	CG	-0.86
Gm10	31811569	31811621	Gmdrm	hypo	CG	-0.0786
Gm10	31831851	31832181	Gmdrm	hypo	CG	-0.0621
Gm10	31833166	31833593	Gmdrm	hypo	CG	-0.0541
Gm10	31841847	31841916	Gmdrm	hypo	CG	-0.9438
Gm10	31863269	31863415	Gmdrm	hypo	CG	-0.071
Gm10	31863536	31864026	Gmdrm	hypo	CG	-0.0265
Gm10	31891969	31892063	Gmdrm	hypo	CG	-0.0533
Gm10	31903708	31904120	Gmdrm	hypo	CG	-0.2775
Gm10	31927282	31927811	Gmdrm	hypo	CG	-0.0262
Gm10	32141589	32141671	Gmdrm	hypo	CG	-0.9433
Gm10	32145221	32145320	Gmdrm	hypo	CG	-0.435
Gm10	32159101	32159415	Gmdrm	hypo	CG	-0.3041
Gm10	32183637	32184142	Gmdrm	hypo	CG	-0.0819
Gm10	32255372	32255702	Gmdrm	hypo	CG	-0.0557
Gm10	32288578	32289014	Gmdrm	hypo	CG	-0.183
Gm10	32343253	32343452	Gmdrm	hypo	CG	-0.1138
Gm10	32362362	32362780	Gmdrm	hypo	CG	-0.0262
Gm10	32407152	32407290	Gmdrm	hypo	CG	-0.68
Gm10	32427170	32427557	Gmdrm	hypo	CG	-0.0794
Gm10	32487062	32487526	Gmdrm	hypo	CG	-0.0456
Gm10	32497525	32497589	Gmdrm	hypo	CG	-0.2133
Gm10	32503867	32504133	Gmdrm	hypo	CG	-0.1617
Gm10	32516327	32516472	Gmdrm	hypo	CG	-0.5387
Gm10	32531841	32531885	Gmdrm	hypo	CG	-0.3316
Gm10	32532037	32532112	Gmdrm	hypo	CG	-0.2699
Gm10	32532532	32532714	Gmdrm	hypo	CG	-0.1722
Gm10	32542810	32542964	Gmdrm	hypo	CG	-0.9275
Gm10	32543210	32543311	Gmdrm	hypo	CG	-0.4788
Gm10	32544324	32544470	Gmdrm	hypo	CG	-0.6299
Gm10	32582603	32582732	Gmdrm	hypo	CG	-0.5309
Gm10	32603373	32603437	Gmdrm	hypo	CG	-0.93
Gm10	32606984	32607572	Gmdrm	hypo	CG	-0.2084
Gm10	32622484	32622528	Gmdrm	hypo	CG	-0.065
Gm10	32638237	32638289	Gmdrm	hypo	CG	-0.0866

Gm10	32639046	32639089	Gmdrm	hypo	CG	-0.6816
Gm10	32639283	32639380	Gmdrm	hypo	CG	-0.5866
Gm10	32648685	32648770	Gmdrm	hypo	CG	-0.845
Gm10	32649185	32649525	Gmdrm	hypo	CG	-0.2058
Gm10	32650033	32650289	Gmdrm	hypo	CG	-0.3884
Gm10	32651568	32651696	Gmdrm	hypo	CG	-0.953
Gm10	32657700	32657877	Gmdrm	hypo	CG	-0.4501
Gm10	32659468	32659847	Gmdrm	hypo	CG	-0.6521
Gm10	32729604	32729893	Gmdrm	hypo	CG	-0.4693
Gm10	32778384	32778519	Gmdrm	hypo	CG	-0.166
Gm10	32781774	32781887	Gmdrm	hypo	CG	-0.4134
Gm10	32782560	32782982	Gmdrm	hypo	CG	-0.3465
Gm10	32783353	32783426	Gmdrm	hypo	CG	-0.22
Gm10	32783879	32783895	Gmdrm	hypo	CG	-0.1866
Gm10	32784928	32784995	Gmdrm	hypo	CG	-0.45
Gm10	32788226	32788389	Gmdrm	hypo	CG	-0.3631
Gm10	32795676	32795747	Gmdrm	hypo	CG	-0.9725
Gm10	32807127	32807190	Gmdrm	hypo	CG	-0.7
Gm10	32807771	32807872	Gmdrm	hypo	CG	-0.33
Gm10	32832026	32832286	Gmdrm	hypo	CG	-0.5744
Gm10	32871904	32872085	Gmdrm	hypo	CG	-0.8992
Gm10	32874013	32874022	Gmdrm	hypo	CG	-0.6033
Gm10	32874680	32874825	Gmdrm	hypo	CG	-0.971
Gm10	32877133	32877294	Gmdrm	hypo	CG	-0.0813
Gm10	32877628	32877827	Gmdrm	hypo	CG	-0.342
Gm10	32877937	32878318	Gmdrm	hypo	CG	-0.355
Gm10	32880423	32880461	Gmdrm	hypo	CG	-0.4013
Gm10	32901916	32902222	Gmdrm	hypo	CG	-0.1791
Gm10	32910635	32910750	Gmdrm	hypo	CG	-0.2134
Gm10	32955201	32955496	Gmdrm	hypo	CG	-0.8929
Gm10	32959845	32959909	Gmdrm	hypo	CG	-0.533
Gm10	32961325	32961460	Gmdrm	hypo	CG	-0.043
Gm10	32961618	32962477	Gmdrm	hypo	CG	-0.043
Gm10	32980222	32980719	Gmdrm	hypo	CG	-0.0561
Gm10	32992073	32992155	Gmdrm	hypo	CG	-0.0762
Gm10	32993465	32993927	Gmdrm	hypo	CG	-0.17
Gm10	33186046	33186273	Gmdrm	hypo	CG	-0.0962
Gm10	33221910	33222552	Gmdrm	hypo	CG	-0.0404
Gm10	33223520	33223853	Gmdrm	hypo	CG	-0.068
Gm10	33240873	33241023	Gmdrm	hypo	CG	-0.049
Gm10	33396828	33396875	Gmdrm	hypo	CG	-0.23
Gm10	33406563	33406920	Gmdrm	hypo	CG	-0.0388
Gm10	33449060	33449443	Gmdrm	hypo	CG	-0.3823
Gm10	33526478	33526541	Gmdrm	hypo	CG	-0.0867
Gm10	33618879	33619009	Gmdrm	hypo	CG	-0.5061
Gm10	33619116	33619521	Gmdrm	hypo	CG	-0.0447

Gm10	33671124	33671344	Gmdrm	hypo	CG	-0.0675
Gm10	33748262	33748752	Gmdrm	hypo	CG	-0.0505
Gm10	33786891	33786952	Gmdrm	hypo	CG	-0.505
Gm10	33793757	33793856	Gmdrm	hypo	CG	-0.83
Gm10	33794073	33794147	Gmdrm	hypo	CG	-0.3072
Gm10	33854169	33854779	Gmdrm	hypo	CG	-0.0328
Gm10	33856500	33856618	Gmdrm	hypo	CG	-0.2966
Gm10	33924958	33925184	Gmdrm	hypo	CG	-0.0462
Gm10	33933752	33934065	Gmdrm	hypo	CG	-0.1385
Gm10	33955123	33955177	Gmdrm	hypo	CG	-0.5866
Gm10	33967823	33968244	Gmdrm	hypo	CG	-0.0406
Gm10	33976042	33976154	Gmdrm	hypo	CG	-0.9262
Gm10	34047708	34047824	Gmdrm	hypo	CG	-0.1324
Gm10	34050550	34051111	Gmdrm	hypo	CG	-0.0328
Gm10	34077263	34077810	Gmdrm	hypo	CG	-0.026
Gm10	34080702	34081204	Gmdrm	hypo	CG	-0.0254
Gm10	34102457	34102531	Gmdrm	hypo	CG	-0.435
Gm10	34108432	34108835	Gmdrm	hypo	CG	-0.0359
Gm10	34109186	34109463	Gmdrm	hypo	CG	-0.0595
Gm10	34195224	34195633	Gmdrm	hypo	CG	-0.0587
Gm10	34210532	34210953	Gmdrm	hypo	CG	-0.07
Gm10	34254027	34254184	Gmdrm	hypo	CG	-0.08
Gm10	34278907	34278969	Gmdrm	hypo	CG	-0.3617
Gm10	34312208	34312299	Gmdrm	hypo	CG	-0.045
Gm10	34316194	34316420	Gmdrm	hypo	CG	-0.1842
Gm10	34333063	34333145	Gmdrm	hypo	CG	-0.4417
Gm10	34333760	34333878	Gmdrm	hypo	CG	-0.8663
Gm10	34334199	34334325	Gmdrm	hypo	CG	-0.5683
Gm10	34344141	34344274	Gmdrm	hypo	CG	-0.9123
Gm10	34347508	34347684	Gmdrm	hypo	CG	-0.262
Gm10	34368511	34368579	Gmdrm	hypo	CG	-0.915
Gm10	34371603	34371725	Gmdrm	hypo	CG	-0.852
Gm10	34390133	34390310	Gmdrm	hypo	CG	-0.8386
Gm10	34391169	34391419	Gmdrm	hypo	CG	-0.5875
Gm10	34407609	34407779	Gmdrm	hypo	CG	-0.5238
Gm10	34416890	34416919	Gmdrm	hypo	CG	-0.536
Gm10	34417210	34417367	Gmdrm	hypo	CG	-0.4833
Gm10	34428275	34428571	Gmdrm	hypo	CG	-0.4439
Gm10	34446702	34446836	Gmdrm	hypo	CG	-0.2516
Gm10	34466439	34466787	Gmdrm	hypo	CG	-0.0905
Gm10	34619830	34620035	Gmdrm	hypo	CG	-0.0625
Gm10	34662308	34662633	Gmdrm	hypo	CG	-0.095
Gm10	34670821	34671056	Gmdrm	hypo	CG	-0.6054
Gm10	34672625	34673533	Gmdrm	hypo	CG	-0.0126
Gm10	34739672	34739791	Gmdrm	hypo	CG	-0.215
Gm10	34788855	34789571	Gmdrm	hypo	CG	-0.0636

Gm10	34797163	34797400	Gmdrm	hypo	CG	-0.0818
Gm10	34884912	34884992	Gmdrm	hypo	CG	-0.236
Gm10	34897383	34897452	Gmdrm	hypo	CG	-0.34
Gm10	34914605	34914693	Gmdrm	hypo	CG	-0.0488
Gm10	34969840	34969925	Gmdrm	hypo	CG	-0.249
Gm10	35021512	35022190	Gmdrm	hypo	CG	-0.0472
Gm10	35128953	35129219	Gmdrm	hypo	CG	-0.3833
Gm10	35129579	35129801	Gmdrm	hypo	CG	-0.3743
Gm10	35194808	35195003	Gmdrm	hypo	CG	-0.3913
Gm10	35195326	35195563	Gmdrm	hypo	CG	-0.5031
Gm10	35196148	35196540	Gmdrm	hypo	CG	-0.7113
Gm10	35196809	35196837	Gmdrm	hypo	CG	-0.2383
Gm10	35198477	35198789	Gmdrm	hypo	CG	-0.0728
Gm10	35200833	35200919	Gmdrm	hypo	CG	-0.3737
Gm10	35202189	35202266	Gmdrm	hypo	CG	-0.0625
Gm10	35320611	35320645	Gmdrm	hypo	CG	-0.32
Gm10	35320750	35320901	Gmdrm	hypo	CG	-0.27
Gm10	35323877	35324059	Gmdrm	hypo	CG	-0.6045
Gm10	35372389	35372471	Gmdrm	hypo	CG	-0.4217
Gm10	35390318	35390367	Gmdrm	hypo	CG	-0.68
Gm10	35390479	35390877	Gmdrm	hypo	CG	-0.2182
Gm10	35410480	35410583	Gmdrm	hypo	CG	-0.2958
Gm10	35410802	35411049	Gmdrm	hypo	CG	-0.0966
Gm10	35434333	35434344	Gmdrm	hypo	CG	-0.5
Gm10	35434749	35435002	Gmdrm	hypo	CG	-0.3809
Gm10	35441732	35441839	Gmdrm	hypo	CG	-0.1
Gm10	35448698	35448732	Gmdrm	hypo	CG	-0.425
Gm10	35448834	35448985	Gmdrm	hypo	CG	-0.5934
Gm10	35461281	35461382	Gmdrm	hypo	CG	-0.185
Gm10	35463321	35463369	Gmdrm	hypo	CG	-0.6683
Gm10	35463472	35463519	Gmdrm	hypo	CG	-0.614
Gm10	35466272	35466507	Gmdrm	hypo	CG	-0.5873
Gm10	35466997	35467533	Gmdrm	hypo	CG	-0.5448
Gm10	35467781	35467870	Gmdrm	hypo	CG	-0.253
Gm10	35470598	35470744	Gmdrm	hypo	CG	-0.929
Gm10	35471041	35471152	Gmdrm	hypo	CG	-0.6517
Gm10	35504967	35505001	Gmdrm	hypo	CG	-0.6617
Gm10	35590191	35590413	Gmdrm	hypo	CG	-0.7921
Gm10	35627264	35627769	Gmdrm	hypo	CG	-0.0242
Gm10	35649506	35649629	Gmdrm	hypo	CG	-0.42
Gm10	35652446	35653434	Gmdrm	hypo	CG	-0.0738
Gm10	35674750	35674822	Gmdrm	hypo	CG	-0.555
Gm10	35676229	35676335	Gmdrm	hypo	CG	-0.1871
Gm10	35687104	35687193	Gmdrm	hypo	CG	-0.4966
Gm10	35710244	35710547	Gmdrm	hypo	CG	-0.5936
Gm10	35728723	35728953	Gmdrm	hypo	CG	-0.0522

Gm10	35745507	35745781	Gmdrm	hypo	CG	-0.6927
Gm10	35745948	35746048	Gmdrm	hypo	CG	-0.1717
Gm10	35798307	35798483	Gmdrm	hypo	CG	-0.661
Gm10	35808321	35808519	Gmdrm	hypo	CG	-0.2075
Gm10	35808856	35808997	Gmdrm	hypo	CG	-0.042
Gm10	35809857	35810034	Gmdrm	hypo	CG	-0.6
Gm10	35810374	35810728	Gmdrm	hypo	CG	-0.0373
Gm10	35825342	35825466	Gmdrm	hypo	CG	-0.651
Gm10	35825771	35825882	Gmdrm	hypo	CG	-0.312
Gm10	35872512	35872582	Gmdrm	hypo	CG	-0.4283
Gm10	35888688	35888783	Gmdrm	hypo	CG	-0.8949
Gm10	35915978	35916167	Gmdrm	hypo	CG	-0.1984
Gm10	35946248	35946567	Gmdrm	hypo	CG	-0.571
Gm10	35949705	35949796	Gmdrm	hypo	CG	-0.061
Gm10	35961068	35961119	Gmdrm	hypo	CG	-0.0633
Gm10	35965117	35965270	Gmdrm	hypo	CG	-0.2375
Gm10	35966559	35966960	Gmdrm	hypo	CG	-0.0229
Gm10	35995260	35995887	Gmdrm	hypo	CG	-0.0593
Gm10	36016607	36016621	Gmdrm	hypo	CG	-0.4783
Gm10	36025736	36025807	Gmdrm	hypo	CG	-0.758
Gm10	36076228	36076536	Gmdrm	hypo	CG	-0.6379
Gm10	36081584	36081718	Gmdrm	hypo	CG	-0.072
Gm10	36085313	36085572	Gmdrm	hypo	CG	-0.5375
Gm10	36087245	36087351	Gmdrm	hypo	CG	-0.8162
Gm10	36087726	36087805	Gmdrm	hypo	CG	-0.68
Gm10	36106750	36106971	Gmdrm	hypo	CG	-0.1507
Gm10	36134125	36134237	Gmdrm	hypo	CG	-0.2143
Gm10	36140629	36140691	Gmdrm	hypo	CG	-0.052
Gm10	36153180	36153449	Gmdrm	hypo	CG	-0.488
Gm10	36163902	36164024	Gmdrm	hypo	CG	-0.724
Gm10	36195562	36195698	Gmdrm	hypo	CG	-0.2975
Gm10	36218519	36218593	Gmdrm	hypo	CG	-0.2133
Gm10	36221823	36221832	Gmdrm	hypo	CG	-0.8017
Gm10	36239640	36239735	Gmdrm	hypo	CG	-0.8267
Gm10	36245910	36246044	Gmdrm	hypo	CG	-0.2193
Gm10	36246646	36246774	Gmdrm	hypo	CG	-0.08
Gm10	36312835	36313221	Gmdrm	hypo	CG	-0.0921
Gm10	36389623	36390184	Gmdrm	hypo	CG	-0.0475
Gm10	36433744	36433932	Gmdrm	hypo	CG	-0.3164
Gm10	36535008	36535217	Gmdrm	hypo	CG	-0.451
Gm10	36600753	36600794	Gmdrm	hypo	CG	-0.3726
Gm10	36600922	36600941	Gmdrm	hypo	CG	-0.8333
Gm10	36606733	36606908	Gmdrm	hypo	CG	-0.1808
Gm10	36624336	36624522	Gmdrm	hypo	CG	-0.0833
Gm10	36653125	36653775	Gmdrm	hypo	CG	-0.0634
Gm10	36794700	36794786	Gmdrm	hypo	CG	-0.0775

Gm10	36852253	36852509	Gmdrm	hypo	CG	-0.0822
Gm10	36885865	36885910	Gmdrm	hypo	CG	-0.053
Gm10	36889687	36889795	Gmdrm	hypo	CG	-0.1325
Gm10	36924229	36924723	Gmdrm	hypo	CG	-0.0212
Gm10	36991897	36992219	Gmdrm	hypo	CG	-0.115
Gm10	37033085	37033119	Gmdrm	hypo	CG	-0.0838
Gm10	37049632	37050472	Gmdrm	hypo	CG	-0.0264
Gm10	37079964	37080039	Gmdrm	hypo	CG	-0.05
Gm10	37097519	37097579	Gmdrm	hypo	CG	-0.0433
Gm10	37106786	37107053	Gmdrm	hypo	CG	-0.0496
Gm10	37144067	37144164	Gmdrm	hypo	CG	-0.05
Gm10	37202938	37203103	Gmdrm	hypo	CG	-0.0484
Gm10	37245001	37245066	Gmdrm	hypo	CG	-0.2063
Gm10	37246346	37246403	Gmdrm	hypo	CG	-0.4238
Gm10	37290752	37290861	Gmdrm	hypo	CG	-0.7916
Gm10	37306317	37306346	Gmdrm	hypo	CG	-0.5567
Gm10	37314566	37314609	Gmdrm	hypo	CG	-0.4088
Gm10	37365777	37365986	Gmdrm	hypo	CG	-0.6292
Gm10	37391672	37391798	Gmdrm	hypo	CG	-0.5617
Gm10	37415034	37415428	Gmdrm	hypo	CG	-0.2037
Gm10	37427214	37427289	Gmdrm	hypo	CG	-0.165
Gm10	37438481	37438599	Gmdrm	hypo	CG	-0.7334
Gm10	37455416	37455606	Gmdrm	hypo	CG	-0.3909
Gm10	37456319	37456493	Gmdrm	hypo	CG	-0.4522
Gm10	37498267	37499254	Gmdrm	hypo	CG	-0.0228
Gm10	37506496	37506510	Gmdrm	hypo	CG	-0.365
Gm10	37536077	37536210	Gmdrm	hypo	CG	-0.0417
Gm10	37538662	37538709	Gmdrm	hypo	CG	-0.517
Gm10	37542458	37542521	Gmdrm	hypo	CG	-0.694
Gm10	37587094	37587324	Gmdrm	hypo	CG	-0.5891
Gm10	37596018	37596240	Gmdrm	hypo	CG	-0.066
Gm10	37610455	37610535	Gmdrm	hypo	CG	-0.9133
Gm10	37626309	37626322	Gmdrm	hypo	CG	-0.065
Gm10	37696070	37696199	Gmdrm	hypo	CG	-0.3609
Gm10	37708372	37708456	Gmdrm	hypo	CG	-0.0764
Gm10	37789517	37789589	Gmdrm	hypo	CG	-0.1617
Gm10	37807912	37808036	Gmdrm	hypo	CG	-0.0743
Gm10	37811428	37811658	Gmdrm	hypo	CG	-0.7075
Gm10	37816649	37816738	Gmdrm	hypo	CG	-0.885
Gm10	37857814	37858286	Gmdrm	hypo	CG	-0.236
Gm10	37874469	37874554	Gmdrm	hypo	CG	-0.2816
Gm10	37891011	37891112	Gmdrm	hypo	CG	-0.5813
Gm10	37917547	37917720	Gmdrm	hypo	CG	-0.139
Gm10	37924972	37925084	Gmdrm	hypo	CG	-0.8543
Gm10	37953467	37953833	Gmdrm	hypo	CG	-0.045
Gm10	37974039	37974387	Gmdrm	hypo	CG	-0.4685

Gm10	38006982	38007112	Gmdrm	hypo	CG	-0.9
Gm10	38033576	38033911	Gmdrm	hypo	CG	-0.7036
Gm10	38037997	38038217	Gmdrm	hypo	CG	-0.5062
Gm10	38047143	38047264	Gmdrm	hypo	CG	-0.076
Gm10	38100188	38100666	Gmdrm	hypo	CG	-0.448
Gm10	38101160	38101221	Gmdrm	hypo	CG	-0.8637
Gm10	38128848	38128888	Gmdrm	hypo	CG	-0.475
Gm10	38186376	38186485	Gmdrm	hypo	CG	-0.5733
Gm10	38204503	38204716	Gmdrm	hypo	CG	-0.2784
Gm10	38289244	38289419	Gmdrm	hypo	CG	-0.7331
Gm10	38298804	38299092	Gmdrm	hypo	CG	-0.2578
Gm10	38301192	38301265	Gmdrm	hypo	CG	-0.9733
Gm10	38305515	38305632	Gmdrm	hypo	CG	-0.6287
Gm10	38328865	38329039	Gmdrm	hypo	CG	-0.3362
Gm10	38343916	38344066	Gmdrm	hypo	CG	-0.724
Gm10	38345788	38346089	Gmdrm	hypo	CG	-0.5628
Gm10	38346389	38346461	Gmdrm	hypo	CG	-0.8983
Gm10	38347056	38347361	Gmdrm	hypo	CG	-0.6013
Gm10	38347970	38347992	Gmdrm	hypo	CG	-0.86
Gm10	38367764	38367893	Gmdrm	hypo	CG	-0.948
Gm10	38367997	38368120	Gmdrm	hypo	CG	-0.9666
Gm10	38368552	38368665	Gmdrm	hypo	CG	-0.1214
Gm10	38385333	38385379	Gmdrm	hypo	CG	-0.39
Gm10	38395381	38395444	Gmdrm	hypo	CG	-0.3
Gm10	38434460	38434657	Gmdrm	hypo	CG	-0.6775
Gm10	38436011	38436143	Gmdrm	hypo	CG	-0.8891
Gm10	38490743	38491074	Gmdrm	hypo	CG	-0.3762
Gm10	38491183	38491245	Gmdrm	hypo	CG	-0.0433
Gm10	38492066	38492240	Gmdrm	hypo	CG	-0.483
Gm10	38492795	38492874	Gmdrm	hypo	CG	-0.9463
Gm10	38493102	38493326	Gmdrm	hypo	CG	-0.9255
Gm10	38495165	38495281	Gmdrm	hypo	CG	-0.385
Gm10	38506035	38506450	Gmdrm	hypo	CG	-0.5453
Gm10	38506940	38507161	Gmdrm	hypo	CG	-0.4853
Gm10	38509735	38509824	Gmdrm	hypo	CG	-0.032
Gm10	38511304	38511378	Gmdrm	hypo	CG	-0.8475
Gm10	38517165	38517400	Gmdrm	hypo	CG	-0.783
Gm10	38517777	38517885	Gmdrm	hypo	CG	-0.6133
Gm10	38517986	38518146	Gmdrm	hypo	CG	-0.575
Gm10	38519831	38519912	Gmdrm	hypo	CG	-0.645
Gm10	38526238	38526479	Gmdrm	hypo	CG	-0.1055
Gm10	38536405	38536666	Gmdrm	hypo	CG	-0.0771
Gm10	38547926	38548605	Gmdrm	hypo	CG	-0.6832
Gm10	38571705	38571907	Gmdrm	hypo	CG	-0.858
Gm10	38577596	38577647	Gmdrm	hypo	CG	-0.8533
Gm10	38577790	38577990	Gmdrm	hypo	CG	-0.9426

Gm10	38615421	38615531	Gmdrm	hypo	CG	-0.1294
Gm10	38616168	38616424	Gmdrm	hypo	CG	-0.6266
Gm10	38622831	38623153	Gmdrm	hypo	CG	-0.7803
Gm10	38631598	38631811	Gmdrm	hypo	CG	-0.05
Gm10	38646558	38646688	Gmdrm	hypo	CG	-0.829
Gm10	38683968	38684037	Gmdrm	hypo	CG	-0.5633
Gm10	38684211	38684236	Gmdrm	hypo	CG	-0.9283
Gm10	38684589	38684617	Gmdrm	hypo	CG	-0.3417
Gm10	38728115	38728372	Gmdrm	hypo	CG	-0.03
Gm10	38729975	38730020	Gmdrm	hypo	CG	-0.385
Gm10	38730544	38730819	Gmdrm	hypo	CG	-0.3022
Gm10	38736211	38736561	Gmdrm	hypo	CG	-0.5494
Gm10	38736903	38737122	Gmdrm	hypo	CG	-0.8593
Gm10	38746735	38746938	Gmdrm	hypo	CG	-0.8011
Gm10	38771751	38771788	Gmdrm	hypo	CG	-0.0912
Gm10	38784212	38784336	Gmdrm	hypo	CG	-0.64
Gm10	38794227	38794258	Gmdrm	hypo	CG	-0.9783
Gm10	38799871	38800193	Gmdrm	hypo	CG	-0.1005
Gm10	38800844	38800965	Gmdrm	hypo	CG	-0.4483
Gm10	38801185	38801263	Gmdrm	hypo	CG	-0.13
Gm10	38832857	38832977	Gmdrm	hypo	CG	-0.8213
Gm10	38833362	38833421	Gmdrm	hypo	CG	-0.738
Gm10	38878122	38878526	Gmdrm	hypo	CG	-0.1316
Gm10	38882509	38882585	Gmdrm	hypo	CG	-0.068
Gm10	38884766	38884841	Gmdrm	hypo	CG	-0.686
Gm10	38890077	38890204	Gmdrm	hypo	CG	-0.4662
Gm10	38915193	38915308	Gmdrm	hypo	CG	-0.875
Gm10	38934775	38934861	Gmdrm	hypo	CG	-0.856
Gm10	38935527	38935689	Gmdrm	hypo	CG	-0.511
Gm10	38935866	38935945	Gmdrm	hypo	CG	-0.84
Gm10	38936199	38936319	Gmdrm	hypo	CG	-0.6167
Gm10	38948269	38948493	Gmdrm	hypo	CG	-0.4023
Gm10	38949923	38950122	Gmdrm	hypo	CG	-0.6107
Gm10	38950652	38951172	Gmdrm	hypo	CG	-0.3483
Gm10	38953866	38953974	Gmdrm	hypo	CG	-0.2741
Gm10	38960433	38960577	Gmdrm	hypo	CG	-0.4287
Gm10	38960720	38961247	Gmdrm	hypo	CG	-0.1442
Gm10	38967594	38968001	Gmdrm	hypo	CG	-0.2638
Gm10	38973400	38974167	Gmdrm	hypo	CG	-0.3957
Gm10	38976272	38976435	Gmdrm	hypo	CG	-0.729
Gm10	39014839	39014995	Gmdrm	hypo	CG	-0.581
Gm10	39017810	39017982	Gmdrm	hypo	CG	-0.6217
Gm10	39018136	39018393	Gmdrm	hypo	CG	-0.23
Gm10	39018498	39018666	Gmdrm	hypo	CG	-0.3433
Gm10	39026926	39027013	Gmdrm	hypo	CG	-0.68
Gm10	39031372	39031500	Gmdrm	hypo	CG	-0.8079

Gm10	39031696	39031841	Gmdrm	hypo	CG	-0.5163
Gm10	39045154	39045226	Gmdrm	hypo	CG	-0.0599
Gm10	39068382	39068450	Gmdrm	hypo	CG	-0.1017
Gm10	39077981	39078061	Gmdrm	hypo	CG	-0.2237
Gm10	39078745	39078901	Gmdrm	hypo	CG	-0.191
Gm10	39088283	39088302	Gmdrm	hypo	CG	-0.205
Gm10	39092553	39092606	Gmdrm	hypo	CG	-0.5587
Gm10	39101506	39101696	Gmdrm	hypo	CG	-0.4174
Gm10	39102511	39102633	Gmdrm	hypo	CG	-0.2393
Gm10	39103090	39103176	Gmdrm	hypo	CG	-0.5917
Gm10	39117788	39118057	Gmdrm	hypo	CG	-0.0475
Gm10	39118595	39118699	Gmdrm	hypo	CG	-0.047
Gm10	39134419	39134558	Gmdrm	hypo	CG	-0.046
Gm10	39140474	39140568	Gmdrm	hypo	CG	-0.952
Gm10	39142059	39142129	Gmdrm	hypo	CG	-0.2249
Gm10	39155199	39155282	Gmdrm	hypo	CG	-0.68
Gm10	39161708	39161729	Gmdrm	hypo	CG	-0.596
Gm10	39179861	39180063	Gmdrm	hypo	CG	-0.0243
Gm10	39195778	39195831	Gmdrm	hypo	CG	-0.9312
Gm10	39229035	39229285	Gmdrm	hypo	CG	-0.034
Gm10	39239992	39240540	Gmdrm	hypo	CG	-0.4885
Gm10	39241810	39242115	Gmdrm	hypo	CG	-0.1562
Gm10	39245664	39246070	Gmdrm	hypo	CG	-0.7572
Gm10	39246183	39246279	Gmdrm	hypo	CG	-0.815
Gm10	39254607	39254678	Gmdrm	hypo	CG	-0.0683
Gm10	39267409	39267850	Gmdrm	hypo	CG	-0.6396
Gm10	39313930	39314127	Gmdrm	hypo	CG	-0.1225
Gm10	39314837	39314915	Gmdrm	hypo	CG	-0.3537
Gm10	39315376	39315471	Gmdrm	hypo	CG	-0.849
Gm10	39317332	39317396	Gmdrm	hypo	CG	-0.72
Gm10	39318009	39318389	Gmdrm	hypo	CG	-0.0535
Gm10	39348314	39348565	Gmdrm	hypo	CG	-0.77
Gm10	39348734	39348864	Gmdrm	hypo	CG	-0.9217
Gm10	39365073	39365150	Gmdrm	hypo	CG	-0.692
Gm10	39371754	39371817	Gmdrm	hypo	CG	-0.3167
Gm10	39414634	39414651	Gmdrm	hypo	CG	-0.9567
Gm10	39430488	39430548	Gmdrm	hypo	CG	-0.7488
Gm10	39430689	39430776	Gmdrm	hypo	CG	-0.9637
Gm10	39431955	39432329	Gmdrm	hypo	CG	-0.6004
Gm10	39432448	39432688	Gmdrm	hypo	CG	-0.8475
Gm10	39432806	39432935	Gmdrm	hypo	CG	-0.911
Gm10	39449867	39450023	Gmdrm	hypo	CG	-0.2556
Gm10	39452394	39452503	Gmdrm	hypo	CG	-0.9337
Gm10	39456507	39456969	Gmdrm	hypo	CG	-0.625
Gm10	39457584	39457650	Gmdrm	hypo	CG	-0.9633
Gm10	39457895	39458011	Gmdrm	hypo	CG	-0.916

Gm10	39496077	39496235	Gmdrm	hypo	CG	-0.495
Gm10	39538779	39538984	Gmdrm	hypo	CG	-0.9634
Gm10	39556237	39556413	Gmdrm	hypo	CG	-0.054
Gm10	39581974	39582026	Gmdrm	hypo	CG	-0.815
Gm10	39595478	39595525	Gmdrm	hypo	CG	-0.038
Gm10	39598124	39598337	Gmdrm	hypo	CG	-0.2317
Gm10	39606078	39606257	Gmdrm	hypo	CG	-0.6951
Gm10	39648742	39648817	Gmdrm	hypo	CG	-0.1675
Gm10	39648923	39649360	Gmdrm	hypo	CG	-0.1427
Gm10	39651912	39651988	Gmdrm	hypo	CG	-0.9476
Gm10	39668294	39668465	Gmdrm	hypo	CG	-0.351
Gm10	39668598	39668870	Gmdrm	hypo	CG	-0.261
Gm10	39672250	39672403	Gmdrm	hypo	CG	-0.725
Gm10	39683375	39683747	Gmdrm	hypo	CG	-0.3436
Gm10	39693378	39693475	Gmdrm	hypo	CG	-0.9016
Gm10	39695333	39695652	Gmdrm	hypo	CG	-0.4828
Gm10	39732247	39732443	Gmdrm	hypo	CG	-0.0211
Gm10	39733023	39733185	Gmdrm	hypo	CG	-0.7367
Gm10	39784927	39784983	Gmdrm	hypo	CG	-0.636
Gm10	39795334	39795577	Gmdrm	hypo	CG	-0.5456
Gm10	39797192	39797413	Gmdrm	hypo	CG	-0.035
Gm10	39815976	39816070	Gmdrm	hypo	CG	-0.8183
Gm10	39828796	39828862	Gmdrm	hypo	CG	-0.3487
Gm10	39831621	39831691	Gmdrm	hypo	CG	-0.6778
Gm10	39859375	39859598	Gmdrm	hypo	CG	-0.605
Gm10	39860081	39860233	Gmdrm	hypo	CG	-0.805
Gm10	39928146	39928371	Gmdrm	hypo	CG	-0.678
Gm10	39931866	39932212	Gmdrm	hypo	CG	-0.2222
Gm10	39932473	39932518	Gmdrm	hypo	CG	-0.8025
Gm10	39967316	39967476	Gmdrm	hypo	CG	-0.7817
Gm10	39988911	39988964	Gmdrm	hypo	CG	-0.04
Gm10	39991030	39991337	Gmdrm	hypo	CG	-0.0672
Gm10	39992467	39992663	Gmdrm	hypo	CG	-0.472
Gm10	39993413	39993676	Gmdrm	hypo	CG	-0.9107
Gm10	40015241	40015300	Gmdrm	hypo	CG	-0.1312
Gm10	40019594	40019643	Gmdrm	hypo	CG	-0.125
Gm10	40019765	40019837	Gmdrm	hypo	CG	-0.6125
Gm10	40053897	40054022	Gmdrm	hypo	CG	-0.075
Gm10	40090918	40091024	Gmdrm	hypo	CG	-0.242
Gm10	40091522	40091884	Gmdrm	hypo	CG	-0.0963
Gm10	40135521	40135729	Gmdrm	hypo	CG	-0.06
Gm10	40143409	40143741	Gmdrm	hypo	CG	-0.7813
Gm10	40143919	40144020	Gmdrm	hypo	CG	-0.5683
Gm10	40150161	40150330	Gmdrm	hypo	CG	-0.1027
Gm10	40174454	40174567	Gmdrm	hypo	CG	-0.05
Gm10	40218754	40219126	Gmdrm	hypo	CG	-0.4607

Gm10	40221093	40221107 Gmdrm	hypo	CG	-0.05
Gm10	40232923	40233128 Gmdrm	hypo	CG	-0.193
Gm10	40238312	40238389 Gmdrm	hypo	CG	-0.5056
Gm10	40243305	40243431 Gmdrm	hypo	CG	-0.8033
Gm10	40247768	40247787 Gmdrm	hypo	CG	-0.928
Gm10	40252347	40252361 Gmdrm	hypo	CG	-0.9783
Gm10	40255574	40255825 Gmdrm	hypo	CG	-0.0481
Gm10	40262299	40262429 Gmdrm	hypo	CG	-0.78
Gm10	40269091	40269237 Gmdrm	hypo	CG	-0.3459
Gm10	40276515	40276606 Gmdrm	hypo	CG	-0.6425
Gm10	40318196	40318294 Gmdrm	hypo	CG	-0.789
Gm10	40330688	40330844 Gmdrm	hypo	CG	-0.0433
Gm10	40334194	40334548 Gmdrm	hypo	CG	-0.1523
Gm10	40345566	40345670 Gmdrm	hypo	CG	-0.9255
Gm10	40350869	40351107 Gmdrm	hypo	CG	-0.8948
Gm10	40356223	40356314 Gmdrm	hypo	CG	-0.7567
Gm10	40370952	40371046 Gmdrm	hypo	CG	-0.1083
Gm10	40371614	40371654 Gmdrm	hypo	CG	-0.695
Gm10	40371864	40372029 Gmdrm	hypo	CG	-0.4013
Gm10	40372510	40372807 Gmdrm	hypo	CG	-0.0631
Gm10	40382881	40383013 Gmdrm	hypo	CG	-0.8666
Gm10	40383146	40383161 Gmdrm	hypo	CG	-0.36
Gm10	40386949	40387101 Gmdrm	hypo	CG	-0.89
Gm10	40391427	40391616 Gmdrm	hypo	CG	-0.05
Gm10	40408744	40408836 Gmdrm	hypo	CG	-0.6816
Gm10	40409292	40409496 Gmdrm	hypo	CG	-0.638
Gm10	40415506	40415634 Gmdrm	hypo	CG	-0.1738
Gm10	40448824	40449078 Gmdrm	hypo	CG	-0.4149
Gm10	40465169	40465469 Gmdrm	hypo	CG	-0.0893
Gm10	40465758	40465806 Gmdrm	hypo	CG	-0.402
Gm10	40486651	40487061 Gmdrm	hypo	CG	-0.3178
Gm10	40487411	40487573 Gmdrm	hypo	CG	-0.6654
Gm10	40508712	40509050 Gmdrm	hypo	CG	-0.145
Gm10	40526264	40526868 Gmdrm	hypo	CG	-0.0428
Gm10	40591163	40591358 Gmdrm	hypo	CG	-0.4346
Gm10	40598020	40598124 Gmdrm	hypo	CG	-0.955
Gm10	40613975	40614045 Gmdrm	hypo	CG	-0.7117
Gm10	40625035	40625572 Gmdrm	hypo	CG	-0.3806
Gm10	40648043	40648087 Gmdrm	hypo	CG	-0.865
Gm10	40678533	40678687 Gmdrm	hypo	CG	-0.6338
Gm10	40716073	40716160 Gmdrm	hypo	CG	-0.927
Gm10	40719916	40720478 Gmdrm	hypo	CG	-0.7355
Gm10	40746115	40746412 Gmdrm	hypo	CG	-0.6315
Gm10	40746893	40747148 Gmdrm	hypo	CG	-0.6073
Gm10	40750336	40750485 Gmdrm	hypo	CG	-0.407
Gm10	40810038	40810163 Gmdrm	hypo	CG	-0.965

Gm10	40810661	40810701	Gmdrm	hypo	CG	-0.03
Gm10	40820555	40820694	Gmdrm	hypo	CG	-0.652
Gm10	40842506	40842560	Gmdrm	hypo	CG	-0.9267
Gm10	40848729	40848882	Gmdrm	hypo	CG	-0.362
Gm10	40861435	40861632	Gmdrm	hypo	CG	-0.55
Gm10	40872390	40872567	Gmdrm	hypo	CG	-0.7744
Gm10	40872686	40873033	Gmdrm	hypo	CG	-0.9257
Gm10	40890130	40890305	Gmdrm	hypo	CG	-0.91
Gm10	40890805	40890960	Gmdrm	hypo	CG	-0.1333
Gm10	40912217	40912410	Gmdrm	hypo	CG	-0.9234
Gm10	40944559	40944657	Gmdrm	hypo	CG	-0.3484
Gm10	40944828	40945178	Gmdrm	hypo	CG	-0.3375
Gm10	40951262	40951390	Gmdrm	hypo	CG	-0.3642
Gm10	40964334	40964527	Gmdrm	hypo	CG	-0.2762
Gm10	40979931	40980038	Gmdrm	hypo	CG	-0.9556
Gm10	40980721	40980813	Gmdrm	hypo	CG	-0.4333
Gm10	40984380	40984538	Gmdrm	hypo	CG	-0.2664
Gm10	40988021	40988109	Gmdrm	hypo	CG	-0.6
Gm10	41020591	41020676	Gmdrm	hypo	CG	-0.6683
Gm10	41034247	41034389	Gmdrm	hypo	CG	-0.0865
Gm10	41037305	41037524	Gmdrm	hypo	CG	-0.578
Gm10	41037646	41037734	Gmdrm	hypo	CG	-0.87
Gm10	41037856	41038195	Gmdrm	hypo	CG	-0.83
Gm10	41075089	41075189	Gmdrm	hypo	CG	-0.048
Gm10	41078009	41078202	Gmdrm	hypo	CG	-0.7082
Gm10	41079334	41079522	Gmdrm	hypo	CG	-0.5067
Gm10	41141739	41141828	Gmdrm	hypo	CG	-0.1167
Gm10	41148087	41148278	Gmdrm	hypo	CG	-0.285
Gm10	41160348	41160454	Gmdrm	hypo	CG	-0.8633
Gm10	41171402	41171416	Gmdrm	hypo	CG	-0.5183
Gm10	41171737	41171849	Gmdrm	hypo	CG	-0.929
Gm10	41173358	41173779	Gmdrm	hypo	CG	-0.5736
Gm10	41173900	41174002	Gmdrm	hypo	CG	-0.83
Gm10	41181338	41181643	Gmdrm	hypo	CG	-0.5963
Gm10	41207707	41207955	Gmdrm	hypo	CG	-0.8717
Gm10	41208065	41208128	Gmdrm	hypo	CG	-0.9184
Gm10	41216748	41217009	Gmdrm	hypo	CG	-0.9465
Gm10	41234871	41234934	Gmdrm	hypo	CG	-0.748
Gm10	41248807	41248947	Gmdrm	hypo	CG	-0.0317
Gm10	41272731	41272902	Gmdrm	hypo	CG	-0.5277
Gm10	41290680	41290796	Gmdrm	hypo	CG	-0.9433
Gm10	41292426	41292712	Gmdrm	hypo	CG	-0.8321
Gm10	41292839	41292968	Gmdrm	hypo	CG	-0.6183
Gm10	41295031	41295105	Gmdrm	hypo	CG	-0.795
Gm10	41317402	41317683	Gmdrm	hypo	CG	-0.43
Gm10	41325842	41325976	Gmdrm	hypo	CG	-0.5991

Gm10	41330160	41330241	Gmdrm	hypo	CG	-0.9583
Gm10	41331834	41332082	Gmdrm	hypo	CG	-0.4772
Gm10	41332560	41332588	Gmdrm	hypo	CG	-0.5113
Gm10	41333215	41333364	Gmdrm	hypo	CG	-0.416
Gm10	41333601	41333709	Gmdrm	hypo	CG	-0.4711
Gm10	41334072	41334326	Gmdrm	hypo	CG	-0.4335
Gm10	41334462	41334611	Gmdrm	hypo	CG	-0.3236
Gm10	41342105	41342357	Gmdrm	hypo	CG	-0.8167
Gm10	41343450	41343556	Gmdrm	hypo	CG	-0.5817
Gm10	41393359	41393389	Gmdrm	hypo	CG	-0.3774
Gm10	41404951	41405124	Gmdrm	hypo	CG	-0.48
Gm10	41415025	41415171	Gmdrm	hypo	CG	-0.7333
Gm10	41421192	41421484	Gmdrm	hypo	CG	-0.832
Gm10	41455131	41455331	Gmdrm	hypo	CG	-0.0425
Gm10	41461691	41461828	Gmdrm	hypo	CG	-0.885
Gm10	41462221	41462241	Gmdrm	hypo	CG	-0.084
Gm10	41468038	41468163	Gmdrm	hypo	CG	-0.639
Gm10	41478479	41479118	Gmdrm	hypo	CG	-0.089
Gm10	41510356	41510684	Gmdrm	hypo	CG	-0.2691
Gm10	41511032	41511107	Gmdrm	hypo	CG	-0.68
Gm10	41512412	41512643	Gmdrm	hypo	CG	-0.6492
Gm10	41522516	41522814	Gmdrm	hypo	CG	-0.408
Gm10	41528170	41528226	Gmdrm	hypo	CG	-0.465
Gm10	41536799	41537032	Gmdrm	hypo	CG	-0.9292
Gm10	41645994	41646045	Gmdrm	hypo	CG	-0.7
Gm10	41671176	41671273	Gmdrm	hypo	CG	-0.7251
Gm10	41684536	41684671	Gmdrm	hypo	CG	-0.3267
Gm10	41729295	41729447	Gmdrm	hypo	CG	-0.836
Gm10	41744754	41744861	Gmdrm	hypo	CG	-0.0383
Gm10	41772734	41772840	Gmdrm	hypo	CG	-0.0138
Gm10	41784368	41784554	Gmdrm	hypo	CG	-0.9725
Gm10	41784963	41785093	Gmdrm	hypo	CG	-0.862
Gm10	41828536	41828866	Gmdrm	hypo	CG	-0.3954
Gm10	41839223	41839256	Gmdrm	hypo	CG	-0.544
Gm10	41849560	41849628	Gmdrm	hypo	CG	-0.945
Gm10	41930377	41930625	Gmdrm	hypo	CG	-0.0301
Gm10	41934665	41934714	Gmdrm	hypo	CG	-0.2283
Gm10	41969422	41969803	Gmdrm	hypo	CG	-0.6606
Gm10	41975896	41975969	Gmdrm	hypo	CG	-0.1112
Gm10	41979186	41979249	Gmdrm	hypo	CG	-0.2934
Gm10	42019015	42019066	Gmdrm	hypo	CG	-0.3933
Gm10	42029335	42029457	Gmdrm	hypo	CG	-0.9
Gm10	42029647	42029718	Gmdrm	hypo	CG	-0.5966
Gm10	42031858	42031993	Gmdrm	hypo	CG	-0.2793
Gm10	42039152	42039396	Gmdrm	hypo	CG	-0.7359
Gm10	42059871	42059930	Gmdrm	hypo	CG	-0.1336

Gm10	42068389	42068496	Gmdrm	hypo	CG	-0.4566
Gm10	42087105	42087391	Gmdrm	hypo	CG	-0.8886
Gm10	42095011	42095054	Gmdrm	hypo	CG	-0.9667
Gm10	42095335	42095406	Gmdrm	hypo	CG	-0.2667
Gm10	42099179	42099261	Gmdrm	hypo	CG	-0.0257
Gm10	42099907	42099942	Gmdrm	hypo	CG	-0.022
Gm10	42113346	42113365	Gmdrm	hypo	CG	-0.4266
Gm10	42148960	42149085	Gmdrm	hypo	CG	-0.9056
Gm10	42175705	42175801	Gmdrm	hypo	CG	-0.695
Gm10	42186177	42186190	Gmdrm	hypo	CG	-0.545
Gm10	42186353	42186585	Gmdrm	hypo	CG	-0.9363
Gm10	42187079	42187301	Gmdrm	hypo	CG	-0.915
Gm10	42210504	42210524	Gmdrm	hypo	CG	-0.5466
Gm10	42215746	42215837	Gmdrm	hypo	CG	-0.8862
Gm10	42221351	42221434	Gmdrm	hypo	CG	-0.7537
Gm10	42230410	42230482	Gmdrm	hypo	CG	-0.895
Gm10	42246058	42246212	Gmdrm	hypo	CG	-0.7238
Gm10	42250946	42251011	Gmdrm	hypo	CG	-0.7843
Gm10	42273717	42273766	Gmdrm	hypo	CG	-0.7717
Gm10	42274025	42274275	Gmdrm	hypo	CG	-0.654
Gm10	42274498	42274526	Gmdrm	hypo	CG	-0.8
Gm10	42278614	42278884	Gmdrm	hypo	CG	-0.0485
Gm10	42284217	42285213	Gmdrm	hypo	CG	-0.0404
Gm10	42302250	42302331	Gmdrm	hypo	CG	-0.095
Gm10	42316305	42316532	Gmdrm	hypo	CG	-0.2486
Gm10	42336164	42336412	Gmdrm	hypo	CG	-0.7807
Gm10	42336853	42336919	Gmdrm	hypo	CG	-0.257
Gm10	42337963	42338461	Gmdrm	hypo	CG	-0.7025
Gm10	42338949	42339173	Gmdrm	hypo	CG	-0.39
Gm10	42339279	42339416	Gmdrm	hypo	CG	-0.0621
Gm10	42366101	42366269	Gmdrm	hypo	CG	-0.92
Gm10	42404286	42404418	Gmdrm	hypo	CG	-0.112
Gm10	42443917	42444561	Gmdrm	hypo	CG	-0.4038
Gm10	42453300	42453429	Gmdrm	hypo	CG	-0.5767
Gm10	42453787	42453932	Gmdrm	hypo	CG	-0.956
Gm10	42474749	42475066	Gmdrm	hypo	CG	-0.0537
Gm10	42483500	42483566	Gmdrm	hypo	CG	-0.6117
Gm10	42483681	42483825	Gmdrm	hypo	CG	-0.205
Gm10	42483944	42484083	Gmdrm	hypo	CG	-0.19
Gm10	42484214	42484495	Gmdrm	hypo	CG	-0.2061
Gm10	42496463	42496554	Gmdrm	hypo	CG	-0.0662
Gm10	42499061	42499318	Gmdrm	hypo	CG	-0.507
Gm10	42515007	42515276	Gmdrm	hypo	CG	-0.4294
Gm10	42546647	42546729	Gmdrm	hypo	CG	-0.4566
Gm10	42546886	42546929	Gmdrm	hypo	CG	-0.875
Gm10	42552411	42552592	Gmdrm	hypo	CG	-0.5063

Gm10	42572105	42572156	Gmdrm	hypo	CG	-0.465
Gm10	42587167	42587330	Gmdrm	hypo	CG	-0.2683
Gm10	42596953	42597031	Gmdrm	hypo	CG	-0.8883
Gm10	42606016	42606170	Gmdrm	hypo	CG	-0.605
Gm10	42609636	42609668	Gmdrm	hypo	CG	-0.515
Gm10	42609978	42610318	Gmdrm	hypo	CG	-0.45
Gm10	42638633	42638714	Gmdrm	hypo	CG	-0.8943
Gm10	42664330	42664451	Gmdrm	hypo	CG	-0.72
Gm10	42669015	42669391	Gmdrm	hypo	CG	-0.465
Gm10	42672944	42673031	Gmdrm	hypo	CG	-0.4334
Gm10	42673820	42674053	Gmdrm	hypo	CG	-0.098
Gm10	42679979	42680152	Gmdrm	hypo	CG	-0.048
Gm10	42689348	42689810	Gmdrm	hypo	CG	-0.3905
Gm10	42692743	42692774	Gmdrm	hypo	CG	-0.9117
Gm10	42737719	42737938	Gmdrm	hypo	CG	-0.41
Gm10	42751074	42751169	Gmdrm	hypo	CG	-0.6284
Gm10	42755797	42756142	Gmdrm	hypo	CG	-0.5718
Gm10	42771103	42771224	Gmdrm	hypo	CG	-0.931
Gm10	42805504	42805797	Gmdrm	hypo	CG	-0.7597
Gm10	42811096	42811243	Gmdrm	hypo	CG	-0.1467
Gm10	42814886	42814963	Gmdrm	hypo	CG	-0.9512
Gm10	42815328	42815368	Gmdrm	hypo	CG	-0.4866
Gm10	42833896	42834022	Gmdrm	hypo	CG	-0.6829
Gm10	42834124	42834470	Gmdrm	hypo	CG	-0.8674
Gm10	42850067	42850193	Gmdrm	hypo	CG	-0.9438
Gm10	42852948	42853241	Gmdrm	hypo	CG	-0.2668
Gm10	42853355	42853483	Gmdrm	hypo	CG	-0.4183
Gm10	42872098	42872196	Gmdrm	hypo	CG	-0.6133
Gm10	42873087	42873328	Gmdrm	hypo	CG	-0.562
Gm10	42892463	42892524	Gmdrm	hypo	CG	-0.865
Gm10	42902586	42902744	Gmdrm	hypo	CG	-0.0467
Gm10	42956736	42956803	Gmdrm	hypo	CG	-0.6813
Gm10	42975166	42975207	Gmdrm	hypo	CG	-0.9483
Gm10	42981309	42981449	Gmdrm	hypo	CG	-0.982
Gm10	43100328	43100349	Gmdrm	hypo	CG	-0.4074
Gm10	43102109	43102139	Gmdrm	hypo	CG	-0.3863
Gm10	43102306	43102569	Gmdrm	hypo	CG	-0.0823
Gm10	43119255	43119379	Gmdrm	hypo	CG	-0.0967
Gm10	43119549	43119666	Gmdrm	hypo	CG	-0.62
Gm10	43158106	43158254	Gmdrm	hypo	CG	-0.036
Gm10	43207351	43207428	Gmdrm	hypo	CG	-0.54
Gm10	43208133	43208282	Gmdrm	hypo	CG	-0.944
Gm10	43216761	43217190	Gmdrm	hypo	CG	-0.1642
Gm10	43238743	43239169	Gmdrm	hypo	CG	-0.5821
Gm10	43269493	43269526	Gmdrm	hypo	CG	-0.1684
Gm10	43277122	43277521	Gmdrm	hypo	CG	-0.65

Gm10	43277701	43277828	Gmdrm	hypo	CG	-0.912
Gm10	43365840	43365978	Gmdrm	hypo	CG	-0.235
Gm10	43366162	43366343	Gmdrm	hypo	CG	-0.731
Gm10	43370989	43371479	Gmdrm	hypo	CG	-0.2524
Gm10	43397896	43398020	Gmdrm	hypo	CG	-0.3016
Gm10	43398257	43398397	Gmdrm	hypo	CG	-0.9005
Gm10	43469211	43469383	Gmdrm	hypo	CG	-0.056
Gm10	43482100	43482305	Gmdrm	hypo	CG	-0.0364
Gm10	43509373	43509435	Gmdrm	hypo	CG	-0.9838
Gm10	43522617	43522900	Gmdrm	hypo	CG	-0.8479
Gm10	43523535	43523725	Gmdrm	hypo	CG	-0.4262
Gm10	43523886	43524191	Gmdrm	hypo	CG	-0.9332
Gm10	43540077	43540234	Gmdrm	hypo	CG	-0.69
Gm10	43547050	43547265	Gmdrm	hypo	CG	-0.0744
Gm10	43570456	43570718	Gmdrm	hypo	CG	-0.4813
Gm10	43608635	43608774	Gmdrm	hypo	CG	-0.683
Gm10	43623887	43624004	Gmdrm	hypo	CG	-0.5933
Gm10	43650574	43650844	Gmdrm	hypo	CG	-0.9411
Gm10	43653251	43653526	Gmdrm	hypo	CG	-0.7308
Gm10	43673070	43673198	Gmdrm	hypo	CG	-0.1466
Gm10	43689820	43689900	Gmdrm	hypo	CG	-0.365
Gm10	43752828	43753029	Gmdrm	hypo	CG	-0.8425
Gm10	43782564	43782714	Gmdrm	hypo	CG	-0.52
Gm10	43795665	43795845	Gmdrm	hypo	CG	-0.4725
Gm10	43799522	43799663	Gmdrm	hypo	CG	-0.1385
Gm10	43805488	43805578	Gmdrm	hypo	CG	-0.765
Gm10	43805787	43805891	Gmdrm	hypo	CG	-0.96
Gm10	43805993	43806107	Gmdrm	hypo	CG	-0.6488
Gm10	43817392	43817517	Gmdrm	hypo	CG	-0.1466
Gm10	43821978	43822115	Gmdrm	hypo	CG	-0.038
Gm10	43877588	43877723	Gmdrm	hypo	CG	-0.1583
Gm10	43878573	43878766	Gmdrm	hypo	CG	-0.0404
Gm10	43879378	43879532	Gmdrm	hypo	CG	-0.0629
Gm10	43887479	43887593	Gmdrm	hypo	CG	-0.78
Gm10	43916823	43916844	Gmdrm	hypo	CG	-0.6351
Gm10	43941864	43942175	Gmdrm	hypo	CG	-0.4033
Gm10	43942550	43942639	Gmdrm	hypo	CG	-0.5067
Gm10	43943268	43943357	Gmdrm	hypo	CG	-0.8225
Gm10	43985389	43985448	Gmdrm	hypo	CG	-0.055
Gm10	43998179	43998257	Gmdrm	hypo	CG	-0.955
Gm10	44027184	44027341	Gmdrm	hypo	CG	-0.36
Gm10	44027918	44028156	Gmdrm	hypo	CG	-0.3267
Gm10	44052149	44052543	Gmdrm	hypo	CG	-0.6285
Gm10	44052677	44052884	Gmdrm	hypo	CG	-0.3244
Gm10	44063871	44064130	Gmdrm	hypo	CG	-0.3886
Gm10	44065211	44065337	Gmdrm	hypo	CG	-0.0484

Gm10	44067463	44067506	Gmdrm	hypo	CG	-0.9262
Gm10	44086575	44086773	Gmdrm	hypo	CG	-0.034
Gm10	44088174	44088344	Gmdrm	hypo	CG	-0.9585
Gm10	44092813	44093464	Gmdrm	hypo	CG	-0.379
Gm10	44102338	44102522	Gmdrm	hypo	CG	-0.514
Gm10	44102771	44102862	Gmdrm	hypo	CG	-0.568
Gm10	44107117	44107231	Gmdrm	hypo	CG	-0.6334
Gm10	44107345	44107742	Gmdrm	hypo	CG	-0.0969
Gm10	44109391	44109830	Gmdrm	hypo	CG	-0.1023
Gm10	44177194	44177261	Gmdrm	hypo	CG	-0.5483
Gm10	44199316	44199652	Gmdrm	hypo	CG	-0.9257
Gm10	44257872	44257889	Gmdrm	hypo	CG	-0.37
Gm10	44258151	44258234	Gmdrm	hypo	CG	-0.49
Gm10	44258543	44258826	Gmdrm	hypo	CG	-0.2927
Gm10	44335408	44335780	Gmdrm	hypo	CG	-0.9715
Gm10	44336517	44336620	Gmdrm	hypo	CG	-0.9562
Gm10	44352012	44352137	Gmdrm	hypo	CG	-0.9494
Gm10	44352720	44352778	Gmdrm	hypo	CG	-0.663
Gm10	44364198	44364374	Gmdrm	hypo	CG	-0.78
Gm10	44400219	44400350	Gmdrm	hypo	CG	-0.0987
Gm10	44422757	44422859	Gmdrm	hypo	CG	-0.8815
Gm10	44431381	44431474	Gmdrm	hypo	CG	-0.5113
Gm10	44434731	44434753	Gmdrm	hypo	CG	-0.032
Gm10	44441232	44441474	Gmdrm	hypo	CG	-0.0434
Gm10	44442244	44442409	Gmdrm	hypo	CG	-0.498
Gm10	44445106	44445333	Gmdrm	hypo	CG	-0.0586
Gm10	44462555	44462998	Gmdrm	hypo	CG	-0.1542
Gm10	44476717	44476804	Gmdrm	hypo	CG	-0.332
Gm10	44477428	44477487	Gmdrm	hypo	CG	-0.5325
Gm10	44486826	44486889	Gmdrm	hypo	CG	-0.77
Gm10	44487033	44487131	Gmdrm	hypo	CG	-0.6483
Gm10	44531052	44531210	Gmdrm	hypo	CG	-0.6126
Gm10	44568133	44568240	Gmdrm	hypo	CG	-0.78
Gm10	44574329	44574527	Gmdrm	hypo	CG	-0.5184
Gm10	44669384	44669615	Gmdrm	hypo	CG	-0.285
Gm10	44677099	44677233	Gmdrm	hypo	CG	-0.1025
Gm10	44693644	44693971	Gmdrm	hypo	CG	-0.033
Gm10	44730768	44731041	Gmdrm	hypo	CG	-0.6636
Gm10	44767911	44767945	Gmdrm	hypo	CG	-0.4984
Gm10	44772937	44773080	Gmdrm	hypo	CG	-0.8383
Gm10	44777646	44777991	Gmdrm	hypo	CG	-0.03
Gm10	44846596	44846670	Gmdrm	hypo	CG	-0.705
Gm10	44847223	44847279	Gmdrm	hypo	CG	-0.875
Gm10	44862687	44862810	Gmdrm	hypo	CG	-0.6566
Gm10	44868907	44869106	Gmdrm	hypo	CG	-0.0917
Gm10	44915729	44916133	Gmdrm	hypo	CG	-0.365

Gm10	44916289	44916315	Gmdrm	hypo	CG	-0.715
Gm10	44935614	44935640	Gmdrm	hypo	CG	-0.9833
Gm10	44955750	44955914	Gmdrm	hypo	CG	-0.59
Gm10	44959054	44959239	Gmdrm	hypo	CG	-0.5781
Gm10	44959526	44959725	Gmdrm	hypo	CG	-0.565
Gm10	44961801	44961849	Gmdrm	hypo	CG	-0.788
Gm10	44970070	44970128	Gmdrm	hypo	CG	-0.054
Gm10	44980989	44981222	Gmdrm	hypo	CG	-0.04
Gm10	45001302	45001352	Gmdrm	hypo	CG	-0.674
Gm10	45001575	45001786	Gmdrm	hypo	CG	-0.64
Gm10	45058235	45058456	Gmdrm	hypo	CG	-0.023
Gm10	45084695	45084810	Gmdrm	hypo	CG	-0.04
Gm10	45089545	45089842	Gmdrm	hypo	CG	-0.0427
Gm10	45112456	45112611	Gmdrm	hypo	CG	-0.6663
Gm10	45130189	45130237	Gmdrm	hypo	CG	-0.8683
Gm10	45130729	45130830	Gmdrm	hypo	CG	-0.9187
Gm10	45169238	45169314	Gmdrm	hypo	CG	-0.7717
Gm10	45179399	45179430	Gmdrm	hypo	CG	-0.9483
Gm10	45179665	45179909	Gmdrm	hypo	CG	-0.9345
Gm10	45200109	45200188	Gmdrm	hypo	CG	-0.4433
Gm10	45213678	45213694	Gmdrm	hypo	CG	-0.1617
Gm10	45214488	45214646	Gmdrm	hypo	CG	-0.643
Gm10	45235083	45235289	Gmdrm	hypo	CG	-0.8928
Gm10	45248247	45248356	Gmdrm	hypo	CG	-0.2683
Gm10	45248892	45249052	Gmdrm	hypo	CG	-0.82
Gm10	45279425	45279446	Gmdrm	hypo	CG	-0.888
Gm10	45293377	45293912	Gmdrm	hypo	CG	-0.3263
Gm10	45294029	45294082	Gmdrm	hypo	CG	-0.3084
Gm10	45294894	45295045	Gmdrm	hypo	CG	-0.6365
Gm10	45295327	45295585	Gmdrm	hypo	CG	-0.0587
Gm10	45296698	45296790	Gmdrm	hypo	CG	-0.912
Gm10	45296993	45297419	Gmdrm	hypo	CG	-0.8554
Gm10	45302120	45302204	Gmdrm	hypo	CG	-0.7775
Gm10	45319752	45319805	Gmdrm	hypo	CG	-0.9416
Gm10	45321456	45321950	Gmdrm	hypo	CG	-0.9147
Gm10	45326796	45326924	Gmdrm	hypo	CG	-0.0333
Gm10	45395120	45395245	Gmdrm	hypo	CG	-0.744
Gm10	45465501	45465544	Gmdrm	hypo	CG	-0.405
Gm10	45465734	45465925	Gmdrm	hypo	CG	-0.6671
Gm10	45494320	45494876	Gmdrm	hypo	CG	-0.5395
Gm10	45501452	45501500	Gmdrm	hypo	CG	-0.7234
Gm10	45519035	45519104	Gmdrm	hypo	CG	-0.7475
Gm10	45526963	45527123	Gmdrm	hypo	CG	-0.5425
Gm10	45588017	45588426	Gmdrm	hypo	CG	-0.3359
Gm10	45592529	45592593	Gmdrm	hypo	CG	-0.9525
Gm10	45599956	45600092	Gmdrm	hypo	CG	-0.032

Gm10	45631298	45631568	Gmdrm	hypo	CG	-0.7578
Gm10	45662361	45662539	Gmdrm	hypo	CG	-0.7329
Gm10	45792400	45792582	Gmdrm	hypo	CG	-0.3236
Gm10	45795893	45795950	Gmdrm	hypo	CG	-0.9587
Gm10	45796112	45796170	Gmdrm	hypo	CG	-0.9084
Gm10	45796289	45796307	Gmdrm	hypo	CG	-1
Gm10	45798746	45799144	Gmdrm	hypo	CG	-0.38
Gm10	45821220	45821292	Gmdrm	hypo	CG	-0.4633
Gm10	45828064	45828232	Gmdrm	hypo	CG	-0.695
Gm10	45840878	45841121	Gmdrm	hypo	CG	-0.7878
Gm10	45843700	45843895	Gmdrm	hypo	CG	-0.9417
Gm10	45862836	45862978	Gmdrm	hypo	CG	-0.036
Gm10	45874600	45874811	Gmdrm	hypo	CG	-0.2045
Gm10	45877083	45877148	Gmdrm	hypo	CG	-0.9425
Gm10	45879385	45879509	Gmdrm	hypo	CG	-0.0317
Gm10	45881939	45881982	Gmdrm	hypo	CG	-0.985
Gm10	45912841	45913005	Gmdrm	hypo	CG	-0.8437
Gm10	45913117	45913353	Gmdrm	hypo	CG	-0.793
Gm10	45920935	45921147	Gmdrm	hypo	CG	-0.3756
Gm10	45941361	45941413	Gmdrm	hypo	CG	-0.1916
Gm10	45942357	45942627	Gmdrm	hypo	CG	-0.2582
Gm10	45951054	45951292	Gmdrm	hypo	CG	-0.2157
Gm10	45951524	45951567	Gmdrm	hypo	CG	-0.04
Gm10	45951741	45951763	Gmdrm	hypo	CG	-0.61
Gm10	45959429	45959492	Gmdrm	hypo	CG	-0.9738
Gm10	45959608	45959843	Gmdrm	hypo	CG	-0.95
Gm10	45960413	45960463	Gmdrm	hypo	CG	-0.1883
Gm10	45995924	45996172	Gmdrm	hypo	CG	-0.3573
Gm10	46006544	46006579	Gmdrm	hypo	CG	-0.9517
Gm10	46020022	46020334	Gmdrm	hypo	CG	-0.4564
Gm10	46035452	46035636	Gmdrm	hypo	CG	-0.194
Gm10	46040295	46040470	Gmdrm	hypo	CG	-0.9178
Gm10	46046256	46046332	Gmdrm	hypo	CG	-0.0278
Gm10	46046500	46046602	Gmdrm	hypo	CG	-0.045
Gm10	46085433	46085651	Gmdrm	hypo	CG	-0.0519
Gm10	46113386	46113414	Gmdrm	hypo	CG	-0.8016
Gm10	46125372	46125540	Gmdrm	hypo	CG	-0.0412
Gm10	46125798	46126239	Gmdrm	hypo	CG	-0.6069
Gm10	46149666	46149786	Gmdrm	hypo	CG	-0.675
Gm10	46155845	46156040	Gmdrm	hypo	CG	-0.44
Gm10	46158268	46158430	Gmdrm	hypo	CG	-0.241
Gm10	46159266	46159500	Gmdrm	hypo	CG	-0.2317
Gm10	46167295	46167560	Gmdrm	hypo	CG	-0.901
Gm10	46183880	46184100	Gmdrm	hypo	CG	-0.957
Gm10	46224503	46224702	Gmdrm	hypo	CG	-0.8972
Gm10	46225330	46225473	Gmdrm	hypo	CG	-0.6362

Gm10	46233168	46233387	Gmdrm	hypo	CG	-0.8735
Gm10	46233647	46234058	Gmdrm	hypo	CG	-0.507
Gm10	46235575	46235742	Gmdrm	hypo	CG	-0.3093
Gm10	46236568	46236658	Gmdrm	hypo	CG	-0.5524
Gm10	46238842	46238981	Gmdrm	hypo	CG	-0.2423
Gm10	46305692	46305780	Gmdrm	hypo	CG	-0.9267
Gm10	46325234	46325280	Gmdrm	hypo	CG	-0.376
Gm10	46325400	46325478	Gmdrm	hypo	CG	-0.1637
Gm10	46330600	46330807	Gmdrm	hypo	CG	-0.6243
Gm10	46351936	46351956	Gmdrm	hypo	CG	-0.7417
Gm10	46354638	46354730	Gmdrm	hypo	CG	-0.96
Gm10	46394091	46394483	Gmdrm	hypo	CG	-0.0668
Gm10	46404946	46405199	Gmdrm	hypo	CG	-0.9293
Gm10	46405544	46405558	Gmdrm	hypo	CG	-0.7112
Gm10	46410550	46410631	Gmdrm	hypo	CG	-0.935
Gm10	46425653	46425805	Gmdrm	hypo	CG	-0.795
Gm10	46452456	46452483	Gmdrm	hypo	CG	-0.6416
Gm10	46477221	46477474	Gmdrm	hypo	CG	-0.0362
Gm10	46509002	46509053	Gmdrm	hypo	CG	-0.5499
Gm10	46519293	46519966	Gmdrm	hypo	CG	-0.7682
Gm10	46520256	46520631	Gmdrm	hypo	CG	-0.2208
Gm10	46521133	46521309	Gmdrm	hypo	CG	-0.169
Gm10	46522575	46522752	Gmdrm	hypo	CG	-0.9658
Gm10	46528031	46528853	Gmdrm	hypo	CG	-0.1702
Gm10	46529046	46529204	Gmdrm	hypo	CG	-0.3967
Gm10	46529332	46529523	Gmdrm	hypo	CG	-0.4977
Gm10	46596445	46596638	Gmdrm	hypo	CG	-0.9112
Gm10	46605311	46605429	Gmdrm	hypo	CG	-0.9067
Gm10	46605791	46605847	Gmdrm	hypo	CG	-0.4933
Gm10	46620163	46620455	Gmdrm	hypo	CG	-0.7336
Gm10	46632621	46632767	Gmdrm	hypo	CG	-0.555
Gm10	46668170	46668332	Gmdrm	hypo	CG	-0.6488
Gm10	46668482	46668639	Gmdrm	hypo	CG	-0.316
Gm10	46674593	46674779	Gmdrm	hypo	CG	-0.5017
Gm10	46696661	46696730	Gmdrm	hypo	CG	-0.6
Gm10	46698230	46698369	Gmdrm	hypo	CG	-0.4415
Gm10	46699820	46699860	Gmdrm	hypo	CG	-0.7867
Gm10	46708135	46708240	Gmdrm	hypo	CG	-0.9581
Gm10	46708874	46708908	Gmdrm	hypo	CG	-0.274
Gm10	46709072	46709145	Gmdrm	hypo	CG	-0.5537
Gm10	46734144	46734383	Gmdrm	hypo	CG	-0.0367
Gm10	46769139	46769467	Gmdrm	hypo	CG	-0.868
Gm10	46780792	46780879	Gmdrm	hypo	CG	-0.8317
Gm10	46781145	46781284	Gmdrm	hypo	CG	-0.8617
Gm10	46788742	46788925	Gmdrm	hypo	CG	-0.08
Gm10	46807351	46807653	Gmdrm	hypo	CG	-0.295

Gm10	46808065	46808464	Gmdrm	hypo	CG	-0.4456
Gm10	46833755	46833795	Gmdrm	hypo	CG	-0.075
Gm10	46844595	46844652	Gmdrm	hypo	CG	-0.042
Gm10	46877921	46878097	Gmdrm	hypo	CG	-0.9492
Gm10	46911211	46911558	Gmdrm	hypo	CG	-0.239
Gm10	46911716	46911889	Gmdrm	hypo	CG	-0.2264
Gm10	46939947	46940306	Gmdrm	hypo	CG	-0.9539
Gm10	46940564	46940838	Gmdrm	hypo	CG	-0.7857
Gm10	46949042	46949094	Gmdrm	hypo	CG	-0.385
Gm10	46949270	46949340	Gmdrm	hypo	CG	-0.09
Gm10	46966275	46966388	Gmdrm	hypo	CG	-0.0567
Gm10	46986629	46986905	Gmdrm	hypo	CG	-0.6935
Gm10	46993848	46994059	Gmdrm	hypo	CG	-0.8
Gm10	46995006	46995152	Gmdrm	hypo	CG	-0.06
Gm10	46995792	46996225	Gmdrm	hypo	CG	-0.3962
Gm10	47034268	47034427	Gmdrm	hypo	CG	-0.0233
Gm10	47058600	47058723	Gmdrm	hypo	CG	-0.13
Gm10	47060343	47060634	Gmdrm	hypo	CG	-0.1793
Gm10	47064563	47064660	Gmdrm	hypo	CG	-0.054
Gm10	47074714	47074731	Gmdrm	hypo	CG	-0.0466
Gm10	47087368	47087387	Gmdrm	hypo	CG	-0.9167
Gm10	47087675	47087886	Gmdrm	hypo	CG	-0.6278
Gm10	47099089	47099227	Gmdrm	hypo	CG	-0.6307
Gm10	47099583	47099720	Gmdrm	hypo	CG	-0.5125
Gm10	47111190	47111220	Gmdrm	hypo	CG	-0.0767
Gm10	47112342	47112555	Gmdrm	hypo	CG	-0.7943
Gm10	47137638	47137899	Gmdrm	hypo	CG	-0.7095
Gm10	47180304	47180560	Gmdrm	hypo	CG	-0.907
Gm10	47184723	47184809	Gmdrm	hypo	CG	-0.0788
Gm10	47241756	47242029	Gmdrm	hypo	CG	-0.813
Gm10	47249589	47250358	Gmdrm	hypo	CG	-0.0274
Gm10	47256314	47256575	Gmdrm	hypo	CG	-0.9075
Gm10	47256905	47257217	Gmdrm	hypo	CG	-0.5265
Gm10	47263210	47263354	Gmdrm	hypo	CG	-0.7075
Gm10	47263768	47263972	Gmdrm	hypo	CG	-0.8483
Gm10	47264169	47264355	Gmdrm	hypo	CG	-0.4251
Gm10	47265905	47265925	Gmdrm	hypo	CG	-0.0933
Gm10	47266890	47267142	Gmdrm	hypo	CG	-0.2969
Gm10	47292683	47292746	Gmdrm	hypo	CG	-0.58
Gm10	47345996	47346112	Gmdrm	hypo	CG	-0.5617
Gm10	47346545	47346649	Gmdrm	hypo	CG	-0.419
Gm10	47348553	47348596	Gmdrm	hypo	CG	-0.3563
Gm10	47413903	47414017	Gmdrm	hypo	CG	-0.8486
Gm10	47418235	47418392	Gmdrm	hypo	CG	-0.179
Gm10	47425764	47425852	Gmdrm	hypo	CG	-0.3467
Gm10	47480259	47480495	Gmdrm	hypo	CG	-0.7075

Gm10	47480962	47481113	Gmdrm	hypo	CG	-0.6206
Gm10	47484128	47484288	Gmdrm	hypo	CG	-0.9684
Gm10	47484397	47484534	Gmdrm	hypo	CG	-0.8012
Gm10	47484819	47484831	Gmdrm	hypo	CG	-0.215
Gm10	47485298	47485308	Gmdrm	hypo	CG	-0.6166
Gm10	47485471	47485549	Gmdrm	hypo	CG	-0.822
Gm10	47517665	47517827	Gmdrm	hypo	CG	-0.2986
Gm10	47536710	47536775	Gmdrm	hypo	CG	-0.9537
Gm10	47566792	47567066	Gmdrm	hypo	CG	-0.1667
Gm10	47603100	47603281	Gmdrm	hypo	CG	-0.739
Gm10	47634209	47634298	Gmdrm	hypo	CG	-0.497
Gm10	47638744	47638892	Gmdrm	hypo	CG	-0.055
Gm10	47641837	47641962	Gmdrm	hypo	CG	-0.543
Gm10	47660233	47660399	Gmdrm	hypo	CG	-0.31
Gm10	47677165	47677241	Gmdrm	hypo	CG	-0.055
Gm10	47771211	47771233	Gmdrm	hypo	CG	-0.3117
Gm10	47773893	47774364	Gmdrm	hypo	CG	-0.6465
Gm10	47774481	47774529	Gmdrm	hypo	CG	-0.6691
Gm10	47779987	47780733	Gmdrm	hypo	CG	-0.286
Gm10	47788297	47788380	Gmdrm	hypo	CG	-0.8234
Gm10	47809696	47809829	Gmdrm	hypo	CG	-0.797
Gm10	47838564	47839005	Gmdrm	hypo	CG	-0.6122
Gm10	47839570	47839669	Gmdrm	hypo	CG	-0.865
Gm10	47855772	47856051	Gmdrm	hypo	CG	-0.724
Gm10	47856414	47856447	Gmdrm	hypo	CG	-0.7767
Gm10	47897437	47897642	Gmdrm	hypo	CG	-0.435
Gm10	47897889	47898039	Gmdrm	hypo	CG	-0.4509
Gm10	47898394	47898568	Gmdrm	hypo	CG	-0.4792
Gm10	47921962	47922407	Gmdrm	hypo	CG	-0.04
Gm10	47922693	47923024	Gmdrm	hypo	CG	-0.756
Gm10	47993938	47994498	Gmdrm	hypo	CG	-0.8241
Gm10	48081771	48081792	Gmdrm	hypo	CG	-0.055
Gm10	48098477	48098935	Gmdrm	hypo	CG	-0.8918
Gm10	48105332	48105384	Gmdrm	hypo	CG	-0.7534
Gm10	48111646	48111850	Gmdrm	hypo	CG	-0.2767
Gm10	48112084	48112241	Gmdrm	hypo	CG	-0.6228
Gm10	48112395	48112526	Gmdrm	hypo	CG	-0.805
Gm10	48117972	48118094	Gmdrm	hypo	CG	-0.4874
Gm10	48140425	48140552	Gmdrm	hypo	CG	-0.6383
Gm10	48142349	48142674	Gmdrm	hypo	CG	-0.652
Gm10	48155577	48155656	Gmdrm	hypo	CG	-0.2083
Gm10	48173312	48173589	Gmdrm	hypo	CG	-0.0342
Gm10	48174875	48175205	Gmdrm	hypo	CG	-0.5445
Gm10	48181627	48181675	Gmdrm	hypo	CG	-0.915
Gm10	48211354	48211783	Gmdrm	hypo	CG	-0.3127
Gm10	48212100	48212237	Gmdrm	hypo	CG	-0.2834

Gm10	48247199	48247285	Gmdrm	hypo	CG	-0.4084
Gm10	48252709	48252991	Gmdrm	hypo	CG	-0.028
Gm10	48274203	48274327	Gmdrm	hypo	CG	-0.2426
Gm10	48320894	48321094	Gmdrm	hypo	CG	-0.87
Gm10	48345113	48345258	Gmdrm	hypo	CG	-0.7278
Gm10	48432652	48432728	Gmdrm	hypo	CG	-0.7966
Gm10	48470173	48470274	Gmdrm	hypo	CG	-0.5642
Gm10	48503042	48503135	Gmdrm	hypo	CG	-0.9
Gm10	48591417	48591549	Gmdrm	hypo	CG	-0.6325
Gm10	48601378	48601456	Gmdrm	hypo	CG	-0.5217
Gm10	48601711	48601886	Gmdrm	hypo	CG	-0.499
Gm10	48607893	48607984	Gmdrm	hypo	CG	-0.115
Gm10	48621174	48621949	Gmdrm	hypo	CG	-0.6117
Gm10	48648914	48649094	Gmdrm	hypo	CG	-0.04
Gm10	48653616	48653732	Gmdrm	hypo	CG	-0.864
Gm10	48655663	48655694	Gmdrm	hypo	CG	-0.9217
Gm10	48655886	48656085	Gmdrm	hypo	CG	-0.7788
Gm10	48709639	48709762	Gmdrm	hypo	CG	-0.054
Gm10	48710461	48710683	Gmdrm	hypo	CG	-0.2013
Gm10	48721197	48721312	Gmdrm	hypo	CG	-0.3287
Gm10	48739916	48740139	Gmdrm	hypo	CG	-0.1317
Gm10	48744045	48744321	Gmdrm	hypo	CG	-0.5361
Gm10	48749989	48750082	Gmdrm	hypo	CG	-0.0608
Gm10	48752762	48752791	Gmdrm	hypo	CG	-0.2012
Gm10	48820838	48821030	Gmdrm	hypo	CG	-0.5937
Gm10	48844054	48844070	Gmdrm	hypo	CG	-0.044
Gm10	48865333	48865756	Gmdrm	hypo	CG	-0.3518
Gm10	48886614	48886770	Gmdrm	hypo	CG	-0.9266
Gm10	48886934	48887076	Gmdrm	hypo	CG	-0.6044
Gm10	48915364	48915720	Gmdrm	hypo	CG	-0.7211
Gm10	48933923	48934031	Gmdrm	hypo	CG	-0.67
Gm10	48959377	48959621	Gmdrm	hypo	CG	-0.4433
Gm10	49032515	49032775	Gmdrm	hypo	CG	-0.48
Gm10	49082808	49082932	Gmdrm	hypo	CG	-0.765
Gm10	49083122	49083211	Gmdrm	hypo	CG	-0.6317
Gm10	49099056	49099202	Gmdrm	hypo	CG	-0.743
Gm10	49139454	49139620	Gmdrm	hypo	CG	-0.4734
Gm10	49181723	49181905	Gmdrm	hypo	CG	-0.8982
Gm10	49182007	49182095	Gmdrm	hypo	CG	-0.7363
Gm10	49188926	49189121	Gmdrm	hypo	CG	-0.8388
Gm10	49189337	49189449	Gmdrm	hypo	CG	-0.6217
Gm10	49233456	49233642	Gmdrm	hypo	CG	-0.3889
Gm10	49275216	49275415	Gmdrm	hypo	CG	-0.8443
Gm10	49408881	49409193	Gmdrm	hypo	CG	-0.8732
Gm10	49428490	49428626	Gmdrm	hypo	CG	-0.2528
Gm10	49429297	49429701	Gmdrm	hypo	CG	-0.1135

Gm10	49452507	49452786	Gmdrm	hypo	CG	-0.3323
Gm10	49475612	49475759	Gmdrm	hypo	CG	-0.957
Gm10	49498519	49498652	Gmdrm	hypo	CG	-0.3487
Gm10	49500562	49500925	Gmdrm	hypo	CG	-0.6292
Gm10	49513291	49513643	Gmdrm	hypo	CG	-0.2259
Gm10	49514207	49514371	Gmdrm	hypo	CG	-0.8063
Gm10	49541501	49541827	Gmdrm	hypo	CG	-0.9228
Gm10	49553146	49553444	Gmdrm	hypo	CG	-0.535
Gm10	49561040	49561173	Gmdrm	hypo	CG	-0.9292
Gm10	49650454	49650604	Gmdrm	hypo	CG	-0.7033
Gm10	49651498	49651534	Gmdrm	hypo	CG	-0.83
Gm10	49668662	49668735	Gmdrm	hypo	CG	-0.8375
Gm10	49672913	49673225	Gmdrm	hypo	CG	-0.5448
Gm10	49674898	49675213	Gmdrm	hypo	CG	-0.3493
Gm10	49675345	49675421	Gmdrm	hypo	CG	-0.616
Gm10	49683640	49683831	Gmdrm	hypo	CG	-0.09
Gm10	49686200	49686385	Gmdrm	hypo	CG	-0.14
Gm10	49686547	49686750	Gmdrm	hypo	CG	-0.5491
Gm10	49688670	49689042	Gmdrm	hypo	CG	-0.3162
Gm10	49694806	49694828	Gmdrm	hypo	CG	-0.1037
Gm10	49715053	49715175	Gmdrm	hypo	CG	-0.865
Gm10	49760551	49760614	Gmdrm	hypo	CG	-0.618
Gm10	49791796	49791998	Gmdrm	hypo	CG	-0.5352
Gm10	49797612	49798065	Gmdrm	hypo	CG	-0.4234
Gm10	49798433	49798589	Gmdrm	hypo	CG	-0.449
Gm10	49819315	49819385	Gmdrm	hypo	CG	-0.497
Gm10	49821624	49821693	Gmdrm	hypo	CG	-0.655
Gm10	49852385	49852448	Gmdrm	hypo	CG	-0.3375
Gm10	49859423	49859476	Gmdrm	hypo	CG	-0.275
Gm10	49859790	49859868	Gmdrm	hypo	CG	-0.04
Gm10	49881133	49881254	Gmdrm	hypo	CG	-0.4917
Gm10	49947711	49947897	Gmdrm	hypo	CG	-0.05
Gm10	50005270	50005412	Gmdrm	hypo	CG	-0.036
Gm10	50021876	50021912	Gmdrm	hypo	CG	-0.7134
Gm10	50106546	50106628	Gmdrm	hypo	CG	-0.7357
Gm10	50163716	50164423	Gmdrm	hypo	CG	-0.1761
Gm10	50165409	50165502	Gmdrm	hypo	CG	-0.583
Gm10	50165760	50165913	Gmdrm	hypo	CG	-0.6188
Gm10	50168275	50168343	Gmdrm	hypo	CG	-0.9625
Gm10	50221864	50222418	Gmdrm	hypo	CG	-0.6665
Gm10	50231939	50232032	Gmdrm	hypo	CG	-0.5871
Gm10	50232422	50232532	Gmdrm	hypo	CG	-0.9513
Gm10	50234227	50234325	Gmdrm	hypo	CG	-0.767
Gm10	50252901	50253056	Gmdrm	hypo	CG	-0.7825
Gm10	50253723	50253842	Gmdrm	hypo	CG	-0.088
Gm10	50335535	50335581	Gmdrm	hypo	CG	-0.9317

Gm10	50364595	50364786	Gmdrm	hypo	CG	-0.2159
Gm10	50380664	50380830	Gmdrm	hypo	CG	-0.8153
Gm10	50388672	50388952	Gmdrm	hypo	CG	-0.583
Gm10	50424811	50424931	Gmdrm	hypo	CG	-0.77
Gm10	50454945	50455045	Gmdrm	hypo	CG	-0.04
Gm10	50491155	50491465	Gmdrm	hypo	CG	-0.5664
Gm10	50511692	50512040	Gmdrm	hypo	CG	-0.6309
Gm10	50543887	50544333	Gmdrm	hypo	CG	-0.1535
Gm10	50545659	50545804	Gmdrm	hypo	CG	-0.07
Gm10	50560379	50560455	Gmdrm	hypo	CG	-0.86
Gm10	50560631	50560746	Gmdrm	hypo	CG	-0.8486
Gm10	50583718	50584060	Gmdrm	hypo	CG	-0.5583
Gm10	50589910	50590093	Gmdrm	hypo	CG	-0.114
Gm10	50621065	50621173	Gmdrm	hypo	CG	-0.0567
Gm10	50622027	50622119	Gmdrm	hypo	CG	-0.4025
Gm10	50624318	50624433	Gmdrm	hypo	CG	-0.667
Gm10	50652131	50652854	Gmdrm	hypo	CG	-0.421
Gm10	50657553	50657586	Gmdrm	hypo	CG	-0.5383
Gm10	50682007	50682190	Gmdrm	hypo	CG	-0.1378
Gm10	50736506	50736538	Gmdrm	hypo	CG	-0.3375
Gm10	50742371	50742452	Gmdrm	hypo	CG	-0.4901
Gm10	50765112	50765173	Gmdrm	hypo	CG	-0.745
Gm10	50792913	50793078	Gmdrm	hypo	CG	-0.96
Gm10	50817390	50817686	Gmdrm	hypo	CG	-0.6878
Gm10	50818068	50818353	Gmdrm	hypo	CG	-0.7305
Gm10	50864342	50864430	Gmdrm	hypo	CG	-0.655
Gm10	50864630	50864782	Gmdrm	hypo	CG	-0.49
Gm10	50881686	50881922	Gmdrm	hypo	CG	-0.0433
Gm10	50925528	50925685	Gmdrm	hypo	CG	-0.6771
Gm10	50925792	50925841	Gmdrm	hypo	CG	-0.9683
Gm10	50935765	50936015	Gmdrm	hypo	CG	-0.6984
Gm10	50936141	50936312	Gmdrm	hypo	CG	-0.565
Gm10	50936427	50936570	Gmdrm	hypo	CG	-0.7416
Gm10	50967639	50968208	Gmdrm	hypo	CG	-0.0361
Gm10	50968378	50968437	Gmdrm	hypo	CG	-0.62
Gm10	50974002	50974195	Gmdrm	hypo	CG	-0.025
Gm10	50989390	50989653	Gmdrm	hypo	CG	-0.713
Gm10	50999191	50999272	Gmdrm	hypo	CG	-0.118
Gm10	51021040	51021253	Gmdrm	hypo	CG	-0.7472
Gm10	51027846	51028017	Gmdrm	hypo	CG	-0.8994
Gm10	51033710	51034159	Gmdrm	hypo	CG	-0.8489
Gm10	51040106	51040319	Gmdrm	hypo	CG	-0.6433
Gm10	51041648	51041788	Gmdrm	hypo	CG	-0.9417
Gm10	51041920	51042025	Gmdrm	hypo	CG	-0.9208
Gm10	51155282	51155415	Gmdrm	hypo	CG	-0.3584
Gm10	51183200	51183357	Gmdrm	hypo	CG	-0.073

Gm10	51187075	51187287	Gmdrm	hypo	CG	-0.0885
Gm10	51202269	51202369	Gmdrm	hypo	CG	-0.475
Gm10	51208659	51208693	Gmdrm	hypo	CG	-0.732
Gm10	51211498	51211656	Gmdrm	hypo	CG	-0.9129
Gm10	51219249	51219674	Gmdrm	hypo	CG	-0.6956
Gm10	51220247	51220309	Gmdrm	hypo	CG	-0.9517
Gm10	51220659	51220775	Gmdrm	hypo	CG	-0.8474
Gm10	51309203	51309260	Gmdrm	hypo	CG	-0.6467
Gm10	51322932	51323125	Gmdrm	hypo	CG	-0.906
Gm10	51357307	51357494	Gmdrm	hypo	CG	-0.4991
Gm10	51377015	51377477	Gmdrm	hypo	CG	-0.8252
Gm10	51378768	51378862	Gmdrm	hypo	CG	-0.8363
Gm10	51391967	51392089	Gmdrm	hypo	CG	-0.615
Gm10	51406797	51406832	Gmdrm	hypo	CG	-0.6325
Gm10	51408531	51408579	Gmdrm	hypo	CG	-0.9283
Gm10	51410066	51410227	Gmdrm	hypo	CG	-0.1275
Gm10	51421078	51421128	Gmdrm	hypo	CG	-0.895
Gm10	51458054	51458397	Gmdrm	hypo	CG	-0.9089
Gm10	51464119	51464346	Gmdrm	hypo	CG	-0.5462
Gm10	51464630	51465083	Gmdrm	hypo	CG	-0.5684
Gm10	51470464	51470601	Gmdrm	hypo	CG	-0.1215
Gm10	51476478	51476621	Gmdrm	hypo	CG	-0.5522
Gm10	51497180	51497341	Gmdrm	hypo	CG	-0.6467
Gm10	51499361	51499539	Gmdrm	hypo	CG	-0.062
Gm10	51503698	51503794	Gmdrm	hypo	CG	-0.9513
Gm10	51503969	51504096	Gmdrm	hypo	CG	-0.9663
Gm10	51504202	51504262	Gmdrm	hypo	CG	-0.4767
Gm10	51518267	51518316	Gmdrm	hypo	CG	-0.3924
Gm10	51576777	51576812	Gmdrm	hypo	CG	-0.355
Gm10	51576987	51577134	Gmdrm	hypo	CG	-0.438
Gm10	51587141	51587203	Gmdrm	hypo	CG	-0.8467
Gm10	51587442	51587624	Gmdrm	hypo	CG	-0.7684
Gm10	51587778	51587793	Gmdrm	hypo	CG	-0.1717
Gm10	51594868	51594922	Gmdrm	hypo	CG	-0.6949
Gm10_scaffo	746	909	Gmdrm	hypo	CG	-0.8407
Gm10_scaffo	1067	1193	Gmdrm	hypo	CG	-0.37
Gm10_scaffo	53820	53956	Gmdrm	hypo	CG	-0.065
Gm10_scaffo	54661	54838	Gmdrm	hypo	CG	-0.555
Gm10_scaffo	68044	68069	Gmdrm	hypo	CG	-0.655
Gm10_scaffo	68775	68890	Gmdrm	hypo	CG	-0.968
Gm10_scaffo	17110	17194	Gmdrm	hypo	CG	-0.1475
Gm10_scaffo	18110	18260	Gmdrm	hypo	CG	-0.5067
Gm10_scaffo	46859	47223	Gmdrm	hypo	CG	-0.5813
Gm10_scaffo	26981	27111	Gmdrm	hypo	CG	-0.752
Gm10_scaffo	48803	48887	Gmdrm	hypo	CG	-0.6784
Gm11	10896	10973	Gmdrm	hypo	CG	-0.618

Gm11	14373	14740 Gmdrm	hypo	CG	-0.0953
Gm11	18467	18528 Gmdrm	hypo	CG	-0.79
Gm11	26371	26416 Gmdrm	hypo	CG	-0.9738
Gm11	26670	26798 Gmdrm	hypo	CG	-0.916
Gm11	36615	36708 Gmdrm	hypo	CG	-0.8637
Gm11	67118	67338 Gmdrm	hypo	CG	-0.0478
Gm11	86707	86800 Gmdrm	hypo	CG	-0.745
Gm11	87032	87081 Gmdrm	hypo	CG	-0.175
Gm11	88599	88674 Gmdrm	hypo	CG	-0.425
Gm11	101844	101917 Gmdrm	hypo	CG	-0.7967
Gm11	177651	177741 Gmdrm	hypo	CG	-0.9487
Gm11	178260	178386 Gmdrm	hypo	CG	-0.91
Gm11	227403	227496 Gmdrm	hypo	CG	-0.494
Gm11	245043	245296 Gmdrm	hypo	CG	-0.7426
Gm11	281863	281938 Gmdrm	hypo	CG	-0.6867
Gm11	282113	282236 Gmdrm	hypo	CG	-0.7986
Gm11	300770	300989 Gmdrm	hypo	CG	-0.484
Gm11	320616	320734 Gmdrm	hypo	CG	-0.348
Gm11	358679	358770 Gmdrm	hypo	CG	-0.54
Gm11	358992	359094 Gmdrm	hypo	CG	-0.8383
Gm11	475977	476125 Gmdrm	hypo	CG	-0.8324
Gm11	491431	491476 Gmdrm	hypo	CG	-0.8063
Gm11	496989	497225 Gmdrm	hypo	CG	-0.1264
Gm11	518386	518412 Gmdrm	hypo	CG	-0.9033
Gm11	523919	524011 Gmdrm	hypo	CG	-0.7491
Gm11	525920	526434 Gmdrm	hypo	CG	-0.0352
Gm11	544447	544918 Gmdrm	hypo	CG	-0.2415
Gm11	547904	548074 Gmdrm	hypo	CG	-0.094
Gm11	568325	568429 Gmdrm	hypo	CG	-0.78
Gm11	627944	628048 Gmdrm	hypo	CG	-0.7237
Gm11	679142	679356 Gmdrm	hypo	CG	-0.855
Gm11	679715	679789 Gmdrm	hypo	CG	-0.6825
Gm11	693735	693883 Gmdrm	hypo	CG	-0.3154
Gm11	694554	694658 Gmdrm	hypo	CG	-0.59
Gm11	705646	705793 Gmdrm	hypo	CG	-0.5175
Gm11	708281	708435 Gmdrm	hypo	CG	-0.6548
Gm11	716726	716781 Gmdrm	hypo	CG	-0.96
Gm11	728886	729012 Gmdrm	hypo	CG	-0.6284
Gm11	729128	729170 Gmdrm	hypo	CG	-0.5316
Gm11	729338	729539 Gmdrm	hypo	CG	-0.6866
Gm11	730570	730768 Gmdrm	hypo	CG	-0.0817
Gm11	740915	741017 Gmdrm	hypo	CG	-0.642
Gm11	741325	741478 Gmdrm	hypo	CG	-0.3656
Gm11	773366	773491 Gmdrm	hypo	CG	-0.6509
Gm11	794916	795291 Gmdrm	hypo	CG	-0.5988
Gm11	795482	795522 Gmdrm	hypo	CG	-0.9113

Gm11	799313	799365	Gmdrm	hypo	CG	-0.3284
Gm11	801352	801468	Gmdrm	hypo	CG	-0.232
Gm11	866809	866904	Gmdrm	hypo	CG	-0.4624
Gm11	871555	871881	Gmdrm	hypo	CG	-0.7058
Gm11	876681	876750	Gmdrm	hypo	CG	-0.9633
Gm11	876855	877053	Gmdrm	hypo	CG	-0.8511
Gm11	905953	906358	Gmdrm	hypo	CG	-0.7877
Gm11	919806	920112	Gmdrm	hypo	CG	-0.945
Gm11	949421	949565	Gmdrm	hypo	CG	-0.7215
Gm11	950011	950311	Gmdrm	hypo	CG	-0.7025
Gm11	1019669	1019782	Gmdrm	hypo	CG	-0.975
Gm11	1035350	1035493	Gmdrm	hypo	CG	-0.988
Gm11	1035719	1035898	Gmdrm	hypo	CG	-0.9463
Gm11	1055394	1055502	Gmdrm	hypo	CG	-0.565
Gm11	1055645	1055810	Gmdrm	hypo	CG	-0.9162
Gm11	1104995	1105215	Gmdrm	hypo	CG	-0.485
Gm11	1105323	1105360	Gmdrm	hypo	CG	-0.495
Gm11	1131616	1131786	Gmdrm	hypo	CG	-0.671
Gm11	1131894	1132035	Gmdrm	hypo	CG	-0.8166
Gm11	1132276	1132402	Gmdrm	hypo	CG	-0.75
Gm11	1162045	1162116	Gmdrm	hypo	CG	-0.9363
Gm11	1184439	1184595	Gmdrm	hypo	CG	-0.38
Gm11	1184724	1184766	Gmdrm	hypo	CG	-0.4334
Gm11	1184879	1184920	Gmdrm	hypo	CG	-0.4099
Gm11	1185246	1185358	Gmdrm	hypo	CG	-0.495
Gm11	1199899	1200175	Gmdrm	hypo	CG	-0.112
Gm11	1200350	1200561	Gmdrm	hypo	CG	-0.716
Gm11	1208531	1208794	Gmdrm	hypo	CG	-0.4103
Gm11	1209191	1209403	Gmdrm	hypo	CG	-0.2844
Gm11	1210064	1210172	Gmdrm	hypo	CG	-0.034
Gm11	1235767	1235878	Gmdrm	hypo	CG	-0.132
Gm11	1236769	1236824	Gmdrm	hypo	CG	-0.5734
Gm11	1242726	1242893	Gmdrm	hypo	CG	-0.8278
Gm11	1243833	1243925	Gmdrm	hypo	CG	-0.9463
Gm11	1303314	1303328	Gmdrm	hypo	CG	-0.772
Gm11	1307267	1307469	Gmdrm	hypo	CG	-0.045
Gm11	1322492	1322812	Gmdrm	hypo	CG	-0.0564
Gm11	1344822	1344860	Gmdrm	hypo	CG	-0.8717
Gm11	1367446	1367609	Gmdrm	hypo	CG	-0.9558
Gm11	1367936	1368148	Gmdrm	hypo	CG	-0.898
Gm11	1369990	1370186	Gmdrm	hypo	CG	-0.7545
Gm11	1373028	1373083	Gmdrm	hypo	CG	-0.2817
Gm11	1377354	1377528	Gmdrm	hypo	CG	-0.054
Gm11	1393662	1393851	Gmdrm	hypo	CG	-0.4207
Gm11	1409310	1409584	Gmdrm	hypo	CG	-0.7275
Gm11	1409715	1409869	Gmdrm	hypo	CG	-0.203

Gm11	1410977	1411052 Gmdrm	hypo	CG	-0.9467
Gm11	1444430	1444540 Gmdrm	hypo	CG	-0.832
Gm11	1456895	1457165 Gmdrm	hypo	CG	-0.9371
Gm11	1496550	1496712 Gmdrm	hypo	CG	-0.505
Gm11	1525818	1525948 Gmdrm	hypo	CG	-0.7657
Gm11	1541383	1541565 Gmdrm	hypo	CG	-0.94
Gm11	1603401	1603455 Gmdrm	hypo	CG	-0.036
Gm11	1606271	1606354 Gmdrm	hypo	CG	-0.2874
Gm11	1676141	1676391 Gmdrm	hypo	CG	-0.5686
Gm11	1676493	1676597 Gmdrm	hypo	CG	-0.88
Gm11	1676706	1676811 Gmdrm	hypo	CG	-0.4824
Gm11	1709643	1709888 Gmdrm	hypo	CG	-0.0287
Gm11	1762169	1762401 Gmdrm	hypo	CG	-0.027
Gm11	1766171	1766217 Gmdrm	hypo	CG	-0.1333
Gm11	1779530	1779760 Gmdrm	hypo	CG	-0.0329
Gm11	1791079	1791216 Gmdrm	hypo	CG	-0.052
Gm11	1810015	1810098 Gmdrm	hypo	CG	-0.6716
Gm11	1816234	1816281 Gmdrm	hypo	CG	-0.0733
Gm11	1835219	1835611 Gmdrm	hypo	CG	-0.1483
Gm11	1857613	1857891 Gmdrm	hypo	CG	-0.104
Gm11	1859955	1860193 Gmdrm	hypo	CG	-0.0312
Gm11	1865773	1865874 Gmdrm	hypo	CG	-0.0483
Gm11	1876122	1876272 Gmdrm	hypo	CG	-0.078
Gm11	1937837	1937926 Gmdrm	hypo	CG	-0.0467
Gm11	1966481	1966631 Gmdrm	hypo	CG	-0.05
Gm11	2042787	2043060 Gmdrm	hypo	CG	-0.075
Gm11	2049074	2049114 Gmdrm	hypo	CG	-0.5717
Gm11	2049646	2049688 Gmdrm	hypo	CG	-0.8233
Gm11	2056726	2057118 Gmdrm	hypo	CG	-0.1475
Gm11	2068409	2068482 Gmdrm	hypo	CG	-0.995
Gm11	2080921	2081125 Gmdrm	hypo	CG	-0.5042
Gm11	2082723	2082904 Gmdrm	hypo	CG	-0.028
Gm11	2083047	2083358 Gmdrm	hypo	CG	-0.5146
Gm11	2083888	2084308 Gmdrm	hypo	CG	-0.8064
Gm11	2091417	2091520 Gmdrm	hypo	CG	-0.8717
Gm11	2096379	2096556 Gmdrm	hypo	CG	-0.532
Gm11	2125577	2125730 Gmdrm	hypo	CG	-0.3672
Gm11	2125862	2126069 Gmdrm	hypo	CG	-0.7661
Gm11	2206261	2206559 Gmdrm	hypo	CG	-0.7042
Gm11	2226355	2226465 Gmdrm	hypo	CG	-0.8717
Gm11	2226687	2226855 Gmdrm	hypo	CG	-0.6313
Gm11	2256960	2257103 Gmdrm	hypo	CG	-0.6488
Gm11	2267595	2267725 Gmdrm	hypo	CG	-0.5783
Gm11	2280338	2280478 Gmdrm	hypo	CG	-0.0681
Gm11	2281524	2281615 Gmdrm	hypo	CG	-0.2592
Gm11	2293549	2293712 Gmdrm	hypo	CG	-0.046

Gm11	2335185	2335776 Gmdrm	hypo	CG	-0.7522
Gm11	2384780	2384894 Gmdrm	hypo	CG	-0.635
Gm11	2418508	2418643 Gmdrm	hypo	CG	-0.0867
Gm11	2422410	2422501 Gmdrm	hypo	CG	-0.7217
Gm11	2432826	2433018 Gmdrm	hypo	CG	-0.2491
Gm11	2458035	2458214 Gmdrm	hypo	CG	-0.9314
Gm11	2458332	2458430 Gmdrm	hypo	CG	-0.276
Gm11	2459824	2459974 Gmdrm	hypo	CG	-0.8193
Gm11	2521553	2521662 Gmdrm	hypo	CG	-0.641
Gm11	2535175	2535321 Gmdrm	hypo	CG	-0.4157
Gm11	2558357	2558702 Gmdrm	hypo	CG	-0.2158
Gm11	2562156	2562354 Gmdrm	hypo	CG	-0.0414
Gm11	2562727	2562857 Gmdrm	hypo	CG	-0.9862
Gm11	2585350	2585585 Gmdrm	hypo	CG	-0.9681
Gm11	2585739	2585872 Gmdrm	hypo	CG	-0.7738
Gm11	2592907	2592970 Gmdrm	hypo	CG	-0.6683
Gm11	2627248	2627423 Gmdrm	hypo	CG	-0.8875
Gm11	2660715	2661067 Gmdrm	hypo	CG	-0.9075
Gm11	2669975	2670071 Gmdrm	hypo	CG	-0.8363
Gm11	2674228	2674281 Gmdrm	hypo	CG	-0.9099
Gm11	2674594	2674647 Gmdrm	hypo	CG	-0.279
Gm11	2740430	2740673 Gmdrm	hypo	CG	-0.1769
Gm11	2741186	2741239 Gmdrm	hypo	CG	-0.1412
Gm11	2741578	2742087 Gmdrm	hypo	CG	-0.1171
Gm11	2796246	2796487 Gmdrm	hypo	CG	-0.8637
Gm11	2842655	2843017 Gmdrm	hypo	CG	-0.4905
Gm11	2843138	2843305 Gmdrm	hypo	CG	-0.5234
Gm11	2846745	2847002 Gmdrm	hypo	CG	-0.0454
Gm11	2853516	2853831 Gmdrm	hypo	CG	-0.521
Gm11	2854102	2854157 Gmdrm	hypo	CG	-0.04
Gm11	2858053	2858418 Gmdrm	hypo	CG	-0.2869
Gm11	2993695	2993975 Gmdrm	hypo	CG	-0.2211
Gm11	3034855	3035047 Gmdrm	hypo	CG	-0.709
Gm11	3035567	3035694 Gmdrm	hypo	CG	-0.94
Gm11	3064508	3064731 Gmdrm	hypo	CG	-0.6886
Gm11	3091570	3091921 Gmdrm	hypo	CG	-0.8494
Gm11	3129893	3130184 Gmdrm	hypo	CG	-0.305
Gm11	3130621	3130809 Gmdrm	hypo	CG	-0.3225
Gm11	3130943	3131128 Gmdrm	hypo	CG	-0.7325
Gm11	3131293	3131412 Gmdrm	hypo	CG	-0.87
Gm11	3132147	3132292 Gmdrm	hypo	CG	-0.853
Gm11	3132396	3132650 Gmdrm	hypo	CG	-0.8409
Gm11	3154822	3155018 Gmdrm	hypo	CG	-0.05
Gm11	3175652	3175750 Gmdrm	hypo	CG	-0.5284
Gm11	3177074	3177299 Gmdrm	hypo	CG	-0.7123
Gm11	3183814	3183907 Gmdrm	hypo	CG	-0.815

Gm11	3184009	3184135 Gmdrm	hypo	CG	-0.7734
Gm11	3203853	3203876 Gmdrm	hypo	CG	-0.295
Gm11	3209027	3209308 Gmdrm	hypo	CG	-0.6692
Gm11	3211050	3211349 Gmdrm	hypo	CG	-0.2417
Gm11	3212045	3212119 Gmdrm	hypo	CG	-0.6625
Gm11	3212429	3212878 Gmdrm	hypo	CG	-0.6504
Gm11	3214477	3214619 Gmdrm	hypo	CG	-0.796
Gm11	3220071	3220200 Gmdrm	hypo	CG	-0.9583
Gm11	3224056	3224197 Gmdrm	hypo	CG	-0.8858
Gm11	3230293	3230611 Gmdrm	hypo	CG	-0.579
Gm11	3252378	3252604 Gmdrm	hypo	CG	-0.8875
Gm11	3272690	3272902 Gmdrm	hypo	CG	-0.5572
Gm11	3312031	3312259 Gmdrm	hypo	CG	-0.675
Gm11	3317648	3317834 Gmdrm	hypo	CG	-0.0312
Gm11	3368834	3369052 Gmdrm	hypo	CG	-0.2764
Gm11	3371083	3371440 Gmdrm	hypo	CG	-0.5207
Gm11	3388950	3389119 Gmdrm	hypo	CG	-0.0433
Gm11	3392647	3392948 Gmdrm	hypo	CG	-0.2406
Gm11	3399691	3399783 Gmdrm	hypo	CG	-0.0333
Gm11	3421864	3422109 Gmdrm	hypo	CG	-0.6161
Gm11	3426606	3426644 Gmdrm	hypo	CG	-0.9166
Gm11	3427317	3427356 Gmdrm	hypo	CG	-0.8625
Gm11	3430650	3430976 Gmdrm	hypo	CG	-0.3494
Gm11	3434460	3434551 Gmdrm	hypo	CG	-0.692
Gm11	3437991	3438058 Gmdrm	hypo	CG	-0.1583
Gm11	3467877	3468238 Gmdrm	hypo	CG	-0.8491
Gm11	3475838	3476077 Gmdrm	hypo	CG	-0.022
Gm11	3487564	3487730 Gmdrm	hypo	CG	-0.0333
Gm11	3504172	3504325 Gmdrm	hypo	CG	-0.9593
Gm11	3507905	3508234 Gmdrm	hypo	CG	-0.0522
Gm11	3516779	3517039 Gmdrm	hypo	CG	-0.4752
Gm11	3543928	3544273 Gmdrm	hypo	CG	-0.6517
Gm11	3544705	3544884 Gmdrm	hypo	CG	-0.046
Gm11	3548042	3548142 Gmdrm	hypo	CG	-0.034
Gm11	3564571	3564632 Gmdrm	hypo	CG	-0.5516
Gm11	3593945	3594104 Gmdrm	hypo	CG	-0.625
Gm11	3594824	3594921 Gmdrm	hypo	CG	-0.91
Gm11	3595036	3595104 Gmdrm	hypo	CG	-0.9283
Gm11	3608402	3608850 Gmdrm	hypo	CG	-0.196
Gm11	3609728	3609898 Gmdrm	hypo	CG	-0.25
Gm11	3644945	3645044 Gmdrm	hypo	CG	-0.5234
Gm11	3656041	3656204 Gmdrm	hypo	CG	-0.165
Gm11	3656680	3656842 Gmdrm	hypo	CG	-0.6128
Gm11	3657125	3657243 Gmdrm	hypo	CG	-0.705
Gm11	3657442	3657660 Gmdrm	hypo	CG	-0.74
Gm11	3666960	3667088 Gmdrm	hypo	CG	-0.6017

Gm11	3692161	3692222	Gmdrm	hypo	CG	-0.7214
Gm11	3692528	3692586	Gmdrm	hypo	CG	-0.9087
Gm11	3692741	3692849	Gmdrm	hypo	CG	-0.885
Gm11	3694821	3694900	Gmdrm	hypo	CG	-0.9307
Gm11	3700598	3700746	Gmdrm	hypo	CG	-0.0633
Gm11	3709805	3710009	Gmdrm	hypo	CG	-0.6128
Gm11	3743202	3743538	Gmdrm	hypo	CG	-0.0272
Gm11	3789275	3789392	Gmdrm	hypo	CG	-0.028
Gm11	3814651	3814750	Gmdrm	hypo	CG	-0.6841
Gm11	3828669	3828925	Gmdrm	hypo	CG	-0.6956
Gm11	3866906	3866939	Gmdrm	hypo	CG	-0.4467
Gm11	3883367	3883552	Gmdrm	hypo	CG	-0.5785
Gm11	3883804	3883907	Gmdrm	hypo	CG	-0.9787
Gm11	3891864	3892178	Gmdrm	hypo	CG	-0.6897
Gm11	3898383	3898479	Gmdrm	hypo	CG	-0.9363
Gm11	3903989	3904243	Gmdrm	hypo	CG	-0.114
Gm11	3949490	3949508	Gmdrm	hypo	CG	-0.6367
Gm11	3974501	3974543	Gmdrm	hypo	CG	-0.9033
Gm11	3974852	3974929	Gmdrm	hypo	CG	-0.3188
Gm11	3976704	3976782	Gmdrm	hypo	CG	-0.4983
Gm11	4009256	4009512	Gmdrm	hypo	CG	-0.4725
Gm11	4020351	4020430	Gmdrm	hypo	CG	-0.9762
Gm11	4048736	4049058	Gmdrm	hypo	CG	-0.03
Gm11	4051931	4051999	Gmdrm	hypo	CG	-0.965
Gm11	4066802	4066940	Gmdrm	hypo	CG	-0.6375
Gm11	4090270	4090405	Gmdrm	hypo	CG	-0.3158
Gm11	4090614	4090831	Gmdrm	hypo	CG	-0.1229
Gm11	4091124	4091150	Gmdrm	hypo	CG	-0.5466
Gm11	4091826	4092040	Gmdrm	hypo	CG	-0.4029
Gm11	4139189	4139552	Gmdrm	hypo	CG	-0.9736
Gm11	4139933	4140014	Gmdrm	hypo	CG	-0.77
Gm11	4140647	4141167	Gmdrm	hypo	CG	-0.6695
Gm11	4145261	4145284	Gmdrm	hypo	CG	-0.965
Gm11	4145563	4145811	Gmdrm	hypo	CG	-0.8117
Gm11	4148804	4148949	Gmdrm	hypo	CG	-0.8266
Gm11	4149226	4149429	Gmdrm	hypo	CG	-0.5875
Gm11	4151281	4151408	Gmdrm	hypo	CG	-0.1043
Gm11	4151878	4152103	Gmdrm	hypo	CG	-0.8408
Gm11	4152270	4152312	Gmdrm	hypo	CG	-0.5887
Gm11	4155249	4155357	Gmdrm	hypo	CG	-0.036
Gm11	4179520	4179646	Gmdrm	hypo	CG	-0.9733
Gm11	4179871	4180210	Gmdrm	hypo	CG	-0.7968
Gm11	4251152	4251191	Gmdrm	hypo	CG	-0.6134
Gm11	4276778	4276893	Gmdrm	hypo	CG	-0.074
Gm11	4284462	4284647	Gmdrm	hypo	CG	-0.865
Gm11	4285736	4285834	Gmdrm	hypo	CG	-0.322

Gm11	4289730	4289764	Gmdrm	hypo	CG	-0.196
Gm11	4376555	4376946	Gmdrm	hypo	CG	-0.0694
Gm11	4398028	4398348	Gmdrm	hypo	CG	-0.5
Gm11	4427621	4427741	Gmdrm	hypo	CG	-0.0225
Gm11	4453251	4453446	Gmdrm	hypo	CG	-0.6674
Gm11	4487670	4487955	Gmdrm	hypo	CG	-0.6879
Gm11	4488123	4488248	Gmdrm	hypo	CG	-0.1916
Gm11	4519184	4519743	Gmdrm	hypo	CG	-0.7097
Gm11	4536152	4536332	Gmdrm	hypo	CG	-0.5641
Gm11	4548475	4548639	Gmdrm	hypo	CG	-0.0254
Gm11	4556898	4557057	Gmdrm	hypo	CG	-0.6912
Gm11	4557881	4557954	Gmdrm	hypo	CG	-0.9617
Gm11	4561384	4561831	Gmdrm	hypo	CG	-0.1432
Gm11	4604837	4605041	Gmdrm	hypo	CG	-0.0378
Gm11	4622277	4622497	Gmdrm	hypo	CG	-0.8775
Gm11	4627792	4628018	Gmdrm	hypo	CG	-0.91
Gm11	4635292	4635661	Gmdrm	hypo	CG	-0.5697
Gm11	4635765	4635835	Gmdrm	hypo	CG	-0.685
Gm11	4656262	4656470	Gmdrm	hypo	CG	-0.5812
Gm11	4656571	4656669	Gmdrm	hypo	CG	-0.8449
Gm11	4711687	4711851	Gmdrm	hypo	CG	-0.5987
Gm11	4720617	4720767	Gmdrm	hypo	CG	-0.469
Gm11	4724471	4724622	Gmdrm	hypo	CG	-0.645
Gm11	4733678	4733726	Gmdrm	hypo	CG	-0.3017
Gm11	4734502	4734780	Gmdrm	hypo	CG	-0.0479
Gm11	4752032	4752086	Gmdrm	hypo	CG	-0.095
Gm11	4782230	4782402	Gmdrm	hypo	CG	-0.7062
Gm11	4782751	4783004	Gmdrm	hypo	CG	-0.1001
Gm11	4788528	4788630	Gmdrm	hypo	CG	-0.042
Gm11	4810582	4810826	Gmdrm	hypo	CG	-0.2086
Gm11	4811145	4811161	Gmdrm	hypo	CG	-0.6117
Gm11	4833781	4833898	Gmdrm	hypo	CG	-0.7176
Gm11	4837542	4837623	Gmdrm	hypo	CG	-0.53
Gm11	4847755	4847920	Gmdrm	hypo	CG	-0.9364
Gm11	4849208	4849286	Gmdrm	hypo	CG	-0.4366
Gm11	4850948	4851021	Gmdrm	hypo	CG	-0.768
Gm11	4851562	4851648	Gmdrm	hypo	CG	-0.945
Gm11	4858532	4858629	Gmdrm	hypo	CG	-0.545
Gm11	4858742	4859323	Gmdrm	hypo	CG	-0.5807
Gm11	4859737	4859882	Gmdrm	hypo	CG	-0.695
Gm11	4872078	4872178	Gmdrm	hypo	CG	-0.9467
Gm11	4906348	4906567	Gmdrm	hypo	CG	-0.531
Gm11	4906881	4907021	Gmdrm	hypo	CG	-0.5184
Gm11	4931393	4931527	Gmdrm	hypo	CG	-0.3313
Gm11	4931786	4932106	Gmdrm	hypo	CG	-0.0468
Gm11	4932782	4932956	Gmdrm	hypo	CG	-0.89

Gm11	4942277	4942856	Gmdrm	hypo	CG	-0.1293
Gm11	4943883	4944088	Gmdrm	hypo	CG	-0.4039
Gm11	4954840	4954977	Gmdrm	hypo	CG	-0.195
Gm11	4973630	4973677	Gmdrm	hypo	CG	-0.4975
Gm11	4975370	4975490	Gmdrm	hypo	CG	-0.9515
Gm11	4975669	4975878	Gmdrm	hypo	CG	-0.794
Gm11	4976221	4976591	Gmdrm	hypo	CG	-0.5885
Gm11	4983993	4984185	Gmdrm	hypo	CG	-0.1257
Gm11	4991204	4991533	Gmdrm	hypo	CG	-0.0591
Gm11	4991903	4991971	Gmdrm	hypo	CG	-0.7399
Gm11	4998261	4998404	Gmdrm	hypo	CG	-0.2871
Gm11	4998509	4998674	Gmdrm	hypo	CG	-0.4817
Gm11	5015225	5015348	Gmdrm	hypo	CG	-0.8525
Gm11	5018866	5019079	Gmdrm	hypo	CG	-0.823
Gm11	5020526	5020672	Gmdrm	hypo	CG	-0.842
Gm11	5020890	5020937	Gmdrm	hypo	CG	-0.6717
Gm11	5022857	5023072	Gmdrm	hypo	CG	-0.8286
Gm11	5076622	5076690	Gmdrm	hypo	CG	-0.5612
Gm11	5100057	5100293	Gmdrm	hypo	CG	-0.2393
Gm11	5106629	5107228	Gmdrm	hypo	CG	-0.0566
Gm11	5117123	5117344	Gmdrm	hypo	CG	-0.7938
Gm11	5126866	5127308	Gmdrm	hypo	CG	-0.0927
Gm11	5128744	5128789	Gmdrm	hypo	CG	-0.9163
Gm11	5149102	5149178	Gmdrm	hypo	CG	-0.8367
Gm11	5165866	5166133	Gmdrm	hypo	CG	-0.0334
Gm11	5169268	5169414	Gmdrm	hypo	CG	-0.074
Gm11	5234125	5234169	Gmdrm	hypo	CG	-0.5987
Gm11	5270430	5270494	Gmdrm	hypo	CG	-0.1912
Gm11	5302403	5302632	Gmdrm	hypo	CG	-0.3035
Gm11	5329162	5329303	Gmdrm	hypo	CG	-0.072
Gm11	5337671	5338286	Gmdrm	hypo	CG	-0.3377
Gm11	5340283	5340519	Gmdrm	hypo	CG	-0.895
Gm11	5341507	5341836	Gmdrm	hypo	CG	-0.1103
Gm11	5343532	5343590	Gmdrm	hypo	CG	-0.8538
Gm11	5348494	5348645	Gmdrm	hypo	CG	-0.0533
Gm11	5385514	5385583	Gmdrm	hypo	CG	-0.1687
Gm11	5387455	5387577	Gmdrm	hypo	CG	-0.2344
Gm11	5388052	5388128	Gmdrm	hypo	CG	-0.4712
Gm11	5390442	5390575	Gmdrm	hypo	CG	-0.665
Gm11	5401525	5401768	Gmdrm	hypo	CG	-0.8075
Gm11	5402301	5402532	Gmdrm	hypo	CG	-0.5317
Gm11	5402804	5403029	Gmdrm	hypo	CG	-0.0375
Gm11	5437129	5437437	Gmdrm	hypo	CG	-0.4783
Gm11	5442485	5442691	Gmdrm	hypo	CG	-0.79
Gm11	5442872	5443043	Gmdrm	hypo	CG	-0.3307
Gm11	5443421	5443593	Gmdrm	hypo	CG	-0.3591

Gm11	5452955	5453159	Gmdrm	hypo	CG	-0.6156
Gm11	5453286	5453329	Gmdrm	hypo	CG	-0.8166
Gm11	5463033	5463218	Gmdrm	hypo	CG	-0.526
Gm11	5496304	5496446	Gmdrm	hypo	CG	-0.1642
Gm11	5496932	5497054	Gmdrm	hypo	CG	-0.2625
Gm11	5549861	5550029	Gmdrm	hypo	CG	-0.8014
Gm11	5570845	5570856	Gmdrm	hypo	CG	-0.058
Gm11	5590208	5590540	Gmdrm	hypo	CG	-0.4593
Gm11	5626238	5626386	Gmdrm	hypo	CG	-0.8314
Gm11	5646399	5646586	Gmdrm	hypo	CG	-0.034
Gm11	5669090	5669562	Gmdrm	hypo	CG	-0.2945
Gm11	5669784	5669891	Gmdrm	hypo	CG	-0.96
Gm11	5705522	5705866	Gmdrm	hypo	CG	-0.3676
Gm11	5722870	5723242	Gmdrm	hypo	CG	-0.6375
Gm11	5732723	5732891	Gmdrm	hypo	CG	-0.8432
Gm11	5734670	5734742	Gmdrm	hypo	CG	-0.666
Gm11	5736962	5737094	Gmdrm	hypo	CG	-0.521
Gm11	5739959	5740208	Gmdrm	hypo	CG	-0.8989
Gm11	5763897	5764456	Gmdrm	hypo	CG	-0.0226
Gm11	5776956	5777032	Gmdrm	hypo	CG	-0.25
Gm11	5777140	5777895	Gmdrm	hypo	CG	-0.0239
Gm11	5789975	5790122	Gmdrm	hypo	CG	-0.736
Gm11	5804588	5804617	Gmdrm	hypo	CG	-0.9883
Gm11	5819721	5819971	Gmdrm	hypo	CG	-0.4993
Gm11	5823328	5823480	Gmdrm	hypo	CG	-0.2534
Gm11	5835663	5835909	Gmdrm	hypo	CG	-0.8037
Gm11	5846032	5846137	Gmdrm	hypo	CG	-0.1
Gm11	5855384	5855615	Gmdrm	hypo	CG	-0.6686
Gm11	5890231	5890374	Gmdrm	hypo	CG	-0.042
Gm11	5900394	5900626	Gmdrm	hypo	CG	-0.713
Gm11	5900741	5900825	Gmdrm	hypo	CG	-0.71
Gm11	5910867	5910976	Gmdrm	hypo	CG	-0.6125
Gm11	5922393	5922443	Gmdrm	hypo	CG	-0.9684
Gm11	5922609	5922760	Gmdrm	hypo	CG	-0.978
Gm11	5930782	5930833	Gmdrm	hypo	CG	-0.6916
Gm11	5949848	5950321	Gmdrm	hypo	CG	-0.7591
Gm11	5960515	5960689	Gmdrm	hypo	CG	-0.3156
Gm11	5993080	5993250	Gmdrm	hypo	CG	-0.95
Gm11	6005701	6005882	Gmdrm	hypo	CG	-0.103
Gm11	6016499	6016590	Gmdrm	hypo	CG	-0.753
Gm11	6016899	6017438	Gmdrm	hypo	CG	-0.0723
Gm11	6040271	6040472	Gmdrm	hypo	CG	-0.0683
Gm11	6047739	6047958	Gmdrm	hypo	CG	-0.3831
Gm11	6048468	6048747	Gmdrm	hypo	CG	-0.61
Gm11	6048899	6048921	Gmdrm	hypo	CG	-0.2333
Gm11	6063967	6064116	Gmdrm	hypo	CG	-0.6736

Gm11	6065398	6065820 Gmdrm	hypo	CG	-0.5322
Gm11	6067265	6067385 Gmdrm	hypo	CG	-0.2054
Gm11	6067547	6067734 Gmdrm	hypo	CG	-0.547
Gm11	6070856	6071239 Gmdrm	hypo	CG	-0.3484
Gm11	6071517	6071965 Gmdrm	hypo	CG	-0.5088
Gm11	6098402	6098512 Gmdrm	hypo	CG	-0.7667
Gm11	6132644	6132735 Gmdrm	hypo	CG	-0.585
Gm11	6211567	6211798 Gmdrm	hypo	CG	-0.2377
Gm11	6280910	6281130 Gmdrm	hypo	CG	-0.4416
Gm11	6289360	6289404 Gmdrm	hypo	CG	-0.06
Gm11	6303159	6303186 Gmdrm	hypo	CG	-0.144
Gm11	6303292	6303322 Gmdrm	hypo	CG	-0.1267
Gm11	6318239	6318434 Gmdrm	hypo	CG	-0.4044
Gm11	6339785	6339912 Gmdrm	hypo	CG	-0.805
Gm11	6340825	6341049 Gmdrm	hypo	CG	-0.29
Gm11	6395769	6395984 Gmdrm	hypo	CG	-0.0699
Gm11	6431163	6431257 Gmdrm	hypo	CG	-0.7562
Gm11	6506668	6506952 Gmdrm	hypo	CG	-0.84
Gm11	6512671	6512727 Gmdrm	hypo	CG	-0.836
Gm11	6524860	6524971 Gmdrm	hypo	CG	-0.9538
Gm11	6540027	6540058 Gmdrm	hypo	CG	-0.8525
Gm11	6552607	6552653 Gmdrm	hypo	CG	-0.955
Gm11	6563005	6563067 Gmdrm	hypo	CG	-0.0837
Gm11	6574978	6575227 Gmdrm	hypo	CG	-0.0825
Gm11	6577122	6577320 Gmdrm	hypo	CG	-0.0621
Gm11	6597799	6597896 Gmdrm	hypo	CG	-0.6167
Gm11	6607718	6607947 Gmdrm	hypo	CG	-0.46
Gm11	6611981	6612059 Gmdrm	hypo	CG	-0.79
Gm11	6628435	6628494 Gmdrm	hypo	CG	-0.56
Gm11	6653446	6653598 Gmdrm	hypo	CG	-0.856
Gm11	6657129	6657194 Gmdrm	hypo	CG	-0.4201
Gm11	6657397	6657552 Gmdrm	hypo	CG	-0.264
Gm11	6665197	6665488 Gmdrm	hypo	CG	-0.1256
Gm11	6674047	6674324 Gmdrm	hypo	CG	-0.581
Gm11	6676768	6676805 Gmdrm	hypo	CG	-0.7733
Gm11	6677101	6677214 Gmdrm	hypo	CG	-0.6387
Gm11	6715565	6715612 Gmdrm	hypo	CG	-0.415
Gm11	6715718	6715790 Gmdrm	hypo	CG	-0.7583
Gm11	6735745	6735966 Gmdrm	hypo	CG	-0.957
Gm11	6760401	6760417 Gmdrm	hypo	CG	-0.07
Gm11	6805495	6805742 Gmdrm	hypo	CG	-0.0317
Gm11	6823046	6823309 Gmdrm	hypo	CG	-0.4637
Gm11	6891523	6891641 Gmdrm	hypo	CG	-0.695
Gm11	6892289	6892381 Gmdrm	hypo	CG	-0.922
Gm11	6892549	6892676 Gmdrm	hypo	CG	-0.8733
Gm11	6901478	6901782 Gmdrm	hypo	CG	-0.4778

Gm11	6902088	6902100 Gmdrm	hypo	CG	-0.89
Gm11	6929055	6929137 Gmdrm	hypo	CG	-0.038
Gm11	6939999	6940120 Gmdrm	hypo	CG	-0.2078
Gm11	6947611	6947702 Gmdrm	hypo	CG	-0.9267
Gm11	6949102	6949331 Gmdrm	hypo	CG	-0.03
Gm11	6981453	6981744 Gmdrm	hypo	CG	-0.0334
Gm11	6983808	6983926 Gmdrm	hypo	CG	-0.4934
Gm11	7005202	7005395 Gmdrm	hypo	CG	-0.9262
Gm11	7022523	7023106 Gmdrm	hypo	CG	-0.1835
Gm11	7056317	7056491 Gmdrm	hypo	CG	-0.4833
Gm11	7099442	7099492 Gmdrm	hypo	CG	-0.9012
Gm11	7141924	7142044 Gmdrm	hypo	CG	-0.6516
Gm11	7180230	7180592 Gmdrm	hypo	CG	-0.0781
Gm11	7231674	7231792 Gmdrm	hypo	CG	-0.0614
Gm11	7248688	7248822 Gmdrm	hypo	CG	-0.687
Gm11	7249448	7249502 Gmdrm	hypo	CG	-0.885
Gm11	7251350	7251457 Gmdrm	hypo	CG	-0.945
Gm11	7251814	7251891 Gmdrm	hypo	CG	-0.3687
Gm11	7252472	7252699 Gmdrm	hypo	CG	-0.1988
Gm11	7303738	7303783 Gmdrm	hypo	CG	-0.9833
Gm11	7303928	7304159 Gmdrm	hypo	CG	-0.4911
Gm11	7306253	7306367 Gmdrm	hypo	CG	-0.8567
Gm11	7309244	7309370 Gmdrm	hypo	CG	-0.7538
Gm11	7324478	7324507 Gmdrm	hypo	CG	-0.09
Gm11	7325176	7325599 Gmdrm	hypo	CG	-0.4863
Gm11	7354026	7354151 Gmdrm	hypo	CG	-0.907
Gm11	7365667	7365757 Gmdrm	hypo	CG	-0.83
Gm11	7392186	7392499 Gmdrm	hypo	CG	-0.8808
Gm11	7402131	7402214 Gmdrm	hypo	CG	-0.815
Gm11	7411419	7411493 Gmdrm	hypo	CG	-0.895
Gm11	7411600	7411792 Gmdrm	hypo	CG	-0.932
Gm11	7446047	7446102 Gmdrm	hypo	CG	-0.7
Gm11	7505442	7505665 Gmdrm	hypo	CG	-0.8635
Gm11	7514436	7514500 Gmdrm	hypo	CG	-0.625
Gm11	7514636	7514779 Gmdrm	hypo	CG	-0.2663
Gm11	7514925	7515059 Gmdrm	hypo	CG	-0.2082
Gm11	7533092	7533252 Gmdrm	hypo	CG	-0.7975
Gm11	7546544	7546636 Gmdrm	hypo	CG	-0.644
Gm11	7627965	7628063 Gmdrm	hypo	CG	-0.7087
Gm11	7647855	7647872 Gmdrm	hypo	CG	-0.64
Gm11	7672684	7672816 Gmdrm	hypo	CG	-0.19
Gm11	7719553	7719651 Gmdrm	hypo	CG	-0.2543
Gm11	7763713	7763819 Gmdrm	hypo	CG	-0.196
Gm11	7765395	7765633 Gmdrm	hypo	CG	-0.1355
Gm11	7810153	7810604 Gmdrm	hypo	CG	-0.3905
Gm11	7815269	7815423 Gmdrm	hypo	CG	-0.9617

Gm11	7816008	7816097 Gmdrm	hypo	CG	-0.6883
Gm11	7836217	7836542 Gmdrm	hypo	CG	-0.055
Gm11	7862769	7862858 Gmdrm	hypo	CG	-0.8983
Gm11	7871122	7871509 Gmdrm	hypo	CG	-0.1486
Gm11	7871624	7871747 Gmdrm	hypo	CG	-0.5284
Gm11	7911833	7911968 Gmdrm	hypo	CG	-0.714
Gm11	7935497	7935592 Gmdrm	hypo	CG	-0.958
Gm11	7935758	7935784 Gmdrm	hypo	CG	-0.7483
Gm11	7977746	7977802 Gmdrm	hypo	CG	-0.9533
Gm11	7989575	7989768 Gmdrm	hypo	CG	-0.2908
Gm11	7992637	7992941 Gmdrm	hypo	CG	-0.3513
Gm11	8020904	8020932 Gmdrm	hypo	CG	-0.9283
Gm11	8028768	8029118 Gmdrm	hypo	CG	-0.9165
Gm11	8029332	8029501 Gmdrm	hypo	CG	-0.525
Gm11	8052303	8052454 Gmdrm	hypo	CG	-0.918
Gm11	8066522	8066883 Gmdrm	hypo	CG	-0.902
Gm11	8067301	8067381 Gmdrm	hypo	CG	-0.4683
Gm11	8072001	8072339 Gmdrm	hypo	CG	-0.0416
Gm11	8081964	8082154 Gmdrm	hypo	CG	-0.048
Gm11	8098889	8099289 Gmdrm	hypo	CG	-0.3987
Gm11	8124079	8124264 Gmdrm	hypo	CG	-0.835
Gm11	8150474	8150658 Gmdrm	hypo	CG	-0.8058
Gm11	8184509	8184586 Gmdrm	hypo	CG	-0.2883
Gm11	8185620	8186066 Gmdrm	hypo	CG	-0.5456
Gm11	8186409	8186657 Gmdrm	hypo	CG	-0.3775
Gm11	8186771	8187006 Gmdrm	hypo	CG	-0.2921
Gm11	8187612	8187702 Gmdrm	hypo	CG	-0.511
Gm11	8202088	8202160 Gmdrm	hypo	CG	-0.7971
Gm11	8202318	8202331 Gmdrm	hypo	CG	-0.9367
Gm11	8207471	8207623 Gmdrm	hypo	CG	-0.3743
Gm11	8221788	8221896 Gmdrm	hypo	CG	-0.4488
Gm11	8222437	8222560 Gmdrm	hypo	CG	-0.5735
Gm11	8243102	8243218 Gmdrm	hypo	CG	-0.5087
Gm11	8244014	8244337 Gmdrm	hypo	CG	-0.5381
Gm11	8296975	8297148 Gmdrm	hypo	CG	-0.3356
Gm11	8314123	8314247 Gmdrm	hypo	CG	-0.2328
Gm11	8322770	8322915 Gmdrm	hypo	CG	-0.195
Gm11	8324700	8324758 Gmdrm	hypo	CG	-0.14
Gm11	8337934	8338002 Gmdrm	hypo	CG	-0.91
Gm11	8338680	8338930 Gmdrm	hypo	CG	-0.4178
Gm11	8339160	8339252 Gmdrm	hypo	CG	-0.2515
Gm11	8357219	8357431 Gmdrm	hypo	CG	-0.453
Gm11	8357558	8357711 Gmdrm	hypo	CG	-0.3434
Gm11	8405498	8406018 Gmdrm	hypo	CG	-0.5316
Gm11	8436787	8437105 Gmdrm	hypo	CG	-0.7115
Gm11	8437219	8437334 Gmdrm	hypo	CG	-0.7813

Gm11	8501040	8501349	Gmdrm	hypo	CG	-0.8755
Gm11	8525932	8526250	Gmdrm	hypo	CG	-0.4314
Gm11	8526580	8526683	Gmdrm	hypo	CG	-0.9
Gm11	8529554	8529632	Gmdrm	hypo	CG	-0.732
Gm11	8538339	8538736	Gmdrm	hypo	CG	-0.2228
Gm11	8560633	8560915	Gmdrm	hypo	CG	-0.0225
Gm11	8561381	8561472	Gmdrm	hypo	CG	-0.6587
Gm11	8561623	8561703	Gmdrm	hypo	CG	-0.959
Gm11	8561869	8561973	Gmdrm	hypo	CG	-0.9617
Gm11	8565616	8565662	Gmdrm	hypo	CG	-0.9633
Gm11	8575488	8575777	Gmdrm	hypo	CG	-0.5788
Gm11	8576364	8576540	Gmdrm	hypo	CG	-0.2481
Gm11	8593343	8593527	Gmdrm	hypo	CG	-0.8625
Gm11	8593929	8594291	Gmdrm	hypo	CG	-0.42
Gm11	8594646	8594690	Gmdrm	hypo	CG	-0.4766
Gm11	8622811	8622838	Gmdrm	hypo	CG	-0.985
Gm11	8709719	8709831	Gmdrm	hypo	CG	-0.4588
Gm11	8719108	8719216	Gmdrm	hypo	CG	-0.0438
Gm11	8721381	8721596	Gmdrm	hypo	CG	-0.4394
Gm11	8721728	8721906	Gmdrm	hypo	CG	-0.4067
Gm11	8722053	8722173	Gmdrm	hypo	CG	-0.2668
Gm11	8761975	8762844	Gmdrm	hypo	CG	-0.0258
Gm11	8791176	8791279	Gmdrm	hypo	CG	-0.91
Gm11	8791397	8791422	Gmdrm	hypo	CG	-0.835
Gm11	8792156	8792244	Gmdrm	hypo	CG	-0.5916
Gm11	8796494	8796603	Gmdrm	hypo	CG	-0.65
Gm11	8862082	8862146	Gmdrm	hypo	CG	-0.6284
Gm11	8867857	8867962	Gmdrm	hypo	CG	-0.0367
Gm11	8912760	8912806	Gmdrm	hypo	CG	-0.932
Gm11	8918003	8918537	Gmdrm	hypo	CG	-0.7874
Gm11	8921857	8921923	Gmdrm	hypo	CG	-0.9317
Gm11	8922420	8922563	Gmdrm	hypo	CG	-0.7533
Gm11	8941621	8941761	Gmdrm	hypo	CG	-0.05
Gm11	9003808	9003983	Gmdrm	hypo	CG	-0.0537
Gm11	9020108	9020142	Gmdrm	hypo	CG	-0.7016
Gm11	9030065	9030460	Gmdrm	hypo	CG	-0.0362
Gm11	9030982	9031061	Gmdrm	hypo	CG	-0.092
Gm11	9039051	9039203	Gmdrm	hypo	CG	-0.04
Gm11	9058697	9058802	Gmdrm	hypo	CG	-0.6272
Gm11	9061256	9061574	Gmdrm	hypo	CG	-0.6787
Gm11	9066143	9066186	Gmdrm	hypo	CG	-0.81
Gm11	9069792	9069881	Gmdrm	hypo	CG	-0.927
Gm11	9070336	9070467	Gmdrm	hypo	CG	-0.71
Gm11	9070942	9070985	Gmdrm	hypo	CG	-0.353
Gm11	9071095	9071248	Gmdrm	hypo	CG	-0.6869
Gm11	9071528	9071678	Gmdrm	hypo	CG	-0.48

Gm11	9072230	9072373 Gmdrm	hypo	CG	-0.9088
Gm11	9077806	9077918 Gmdrm	hypo	CG	-0.032
Gm11	9081486	9081611 Gmdrm	hypo	CG	-0.9371
Gm11	9112958	9113039 Gmdrm	hypo	CG	-0.73
Gm11	9146095	9146243 Gmdrm	hypo	CG	-0.7625
Gm11	9167046	9167193 Gmdrm	hypo	CG	-0.048
Gm11	9191625	9191985 Gmdrm	hypo	CG	-0.0408
Gm11	9208126	9208335 Gmdrm	hypo	CG	-0.2436
Gm11	9210891	9211111 Gmdrm	hypo	CG	-0.3531
Gm11	9213921	9214048 Gmdrm	hypo	CG	-0.139
Gm11	9215570	9215701 Gmdrm	hypo	CG	-0.5369
Gm11	9226029	9226098 Gmdrm	hypo	CG	-0.8925
Gm11	9235885	9236071 Gmdrm	hypo	CG	-0.834
Gm11	9243234	9243486 Gmdrm	hypo	CG	-0.5322
Gm11	9244811	9244905 Gmdrm	hypo	CG	-0.7816
Gm11	9245052	9245419 Gmdrm	hypo	CG	-0.9523
Gm11	9250466	9250695 Gmdrm	hypo	CG	-0.244
Gm11	9264395	9264509 Gmdrm	hypo	CG	-0.345
Gm11	9264742	9264812 Gmdrm	hypo	CG	-0.3887
Gm11	9279015	9279074 Gmdrm	hypo	CG	-0.9817
Gm11	9279417	9279547 Gmdrm	hypo	CG	-0.6791
Gm11	9293358	9293423 Gmdrm	hypo	CG	-0.5083
Gm11	9303131	9303185 Gmdrm	hypo	CG	-0.5475
Gm11	9304526	9304663 Gmdrm	hypo	CG	-0.3537
Gm11	9323767	9324018 Gmdrm	hypo	CG	-0.2509
Gm11	9333512	9333570 Gmdrm	hypo	CG	-0.9184
Gm11	9335680	9335723 Gmdrm	hypo	CG	-0.855
Gm11	9335890	9335979 Gmdrm	hypo	CG	-0.6783
Gm11	9401970	9402339 Gmdrm	hypo	CG	-0.6739
Gm11	9421930	9422119 Gmdrm	hypo	CG	-0.914
Gm11	9450120	9450467 Gmdrm	hypo	CG	-0.9541
Gm11	9451563	9451864 Gmdrm	hypo	CG	-0.0314
Gm11	9471090	9471155 Gmdrm	hypo	CG	-0.03
Gm11	9474636	9474649 Gmdrm	hypo	CG	-0.98
Gm11	9505234	9505358 Gmdrm	hypo	CG	-0.2412
Gm11	9535910	9536209 Gmdrm	hypo	CG	-0.1891
Gm11	9538304	9538351 Gmdrm	hypo	CG	-0.22
Gm11	9542690	9543039 Gmdrm	hypo	CG	-0.4419
Gm11	9544751	9544981 Gmdrm	hypo	CG	-0.6257
Gm11	9606669	9606999 Gmdrm	hypo	CG	-0.7978
Gm11	9621438	9621731 Gmdrm	hypo	CG	-0.8
Gm11	9638042	9638158 Gmdrm	hypo	CG	-0.168
Gm11	9656689	9657209 Gmdrm	hypo	CG	-0.0233
Gm11	9660918	9661331 Gmdrm	hypo	CG	-0.8057
Gm11	9674057	9674208 Gmdrm	hypo	CG	-0.9238
Gm11	9689209	9689409 Gmdrm	hypo	CG	-0.048

Gm11	9715754	9715821	Gmdrm	hypo	CG	-0.8433
Gm11	9745891	9746002	Gmdrm	hypo	CG	-0.8784
Gm11	9748686	9748857	Gmdrm	hypo	CG	-0.3117
Gm11	9749332	9749457	Gmdrm	hypo	CG	-0.0367
Gm11	9755097	9755284	Gmdrm	hypo	CG	-0.859
Gm11	9803493	9803749	Gmdrm	hypo	CG	-0.03
Gm11	9817383	9817439	Gmdrm	hypo	CG	-0.3713
Gm11	9830961	9831161	Gmdrm	hypo	CG	-0.1
Gm11	9831361	9831535	Gmdrm	hypo	CG	-0.8117
Gm11	9867873	9867975	Gmdrm	hypo	CG	-0.205
Gm11	9882756	9882925	Gmdrm	hypo	CG	-0.602
Gm11	9888230	9888398	Gmdrm	hypo	CG	-0.5184
Gm11	9898290	9898385	Gmdrm	hypo	CG	-0.5584
Gm11	9904440	9904578	Gmdrm	hypo	CG	-0.5226
Gm11	9913772	9913972	Gmdrm	hypo	CG	-0.584
Gm11	9929166	9929205	Gmdrm	hypo	CG	-0.95
Gm11	9968726	9968734	Gmdrm	hypo	CG	-0.8067
Gm11	9968929	9969047	Gmdrm	hypo	CG	-0.8075
Gm11	9974017	9974157	Gmdrm	hypo	CG	-0.513
Gm11	9976350	9976488	Gmdrm	hypo	CG	-0.7014
Gm11	9979116	9979240	Gmdrm	hypo	CG	-0.8571
Gm11	9979840	9980001	Gmdrm	hypo	CG	-0.6972
Gm11	9980350	9980551	Gmdrm	hypo	CG	-0.6658
Gm11	9996844	9996955	Gmdrm	hypo	CG	-0.048
Gm11	9998252	9998430	Gmdrm	hypo	CG	-0.7347
Gm11	9998710	9998875	Gmdrm	hypo	CG	-0.2587
Gm11	9999427	9999621	Gmdrm	hypo	CG	-0.2527
Gm11	9999940	10000003	Gmdrm	hypo	CG	-0.1383
Gm11	10003327	10003544	Gmdrm	hypo	CG	-0.8383
Gm11	10003757	10003864	Gmdrm	hypo	CG	-0.8813
Gm11	10006263	10006514	Gmdrm	hypo	CG	-0.5564
Gm11	10015189	10015297	Gmdrm	hypo	CG	-0.4766
Gm11	10021305	10021537	Gmdrm	hypo	CG	-0.6389
Gm11	10032775	10032916	Gmdrm	hypo	CG	-0.8267
Gm11	10043327	10043548	Gmdrm	hypo	CG	-0.456
Gm11	10051995	10052056	Gmdrm	hypo	CG	-0.6733
Gm11	10063498	10063804	Gmdrm	hypo	CG	-0.2958
Gm11	10064454	10064752	Gmdrm	hypo	CG	-0.4632
Gm11	10065007	10065151	Gmdrm	hypo	CG	-0.5027
Gm11	10075205	10075339	Gmdrm	hypo	CG	-0.8808
Gm11	10091557	10091703	Gmdrm	hypo	CG	-0.93
Gm11	10091851	10091964	Gmdrm	hypo	CG	-0.5113
Gm11	10116538	10116545	Gmdrm	hypo	CG	-0.58
Gm11	10127529	10127642	Gmdrm	hypo	CG	-0.046
Gm11	10131638	10131859	Gmdrm	hypo	CG	-0.935
Gm11	10132000	10132056	Gmdrm	hypo	CG	-0.9533

Gm11	10146124	10146388	Gmdrm	hypo	CG	-0.1749
Gm11	10149403	10149625	Gmdrm	hypo	CG	-0.3871
Gm11	10150097	10150211	Gmdrm	hypo	CG	-0.675
Gm11	10151506	10151674	Gmdrm	hypo	CG	-0.59
Gm11	10161235	10161279	Gmdrm	hypo	CG	-0.94
Gm11	10166264	10166400	Gmdrm	hypo	CG	-0.6985
Gm11	10184425	10184540	Gmdrm	hypo	CG	-0.06
Gm11	10188361	10188475	Gmdrm	hypo	CG	-0.6433
Gm11	10214783	10214911	Gmdrm	hypo	CG	-0.492
Gm11	10252051	10252133	Gmdrm	hypo	CG	-0.635
Gm11	10272478	10272780	Gmdrm	hypo	CG	-0.4082
Gm11	10328980	10329063	Gmdrm	hypo	CG	-0.8817
Gm11	10330404	10330503	Gmdrm	hypo	CG	-0.7266
Gm11	10335003	10335237	Gmdrm	hypo	CG	-0.5477
Gm11	10360631	10360876	Gmdrm	hypo	CG	-0.5916
Gm11	10381018	10381142	Gmdrm	hypo	CG	-0.3616
Gm11	10402743	10403251	Gmdrm	hypo	CG	-0.1093
Gm11	10405203	10405432	Gmdrm	hypo	CG	-0.6022
Gm11	10412190	10412686	Gmdrm	hypo	CG	-0.21
Gm11	10419885	10420089	Gmdrm	hypo	CG	-0.5108
Gm11	10438558	10438807	Gmdrm	hypo	CG	-0.3418
Gm11	10447388	10447969	Gmdrm	hypo	CG	-0.1214
Gm11	10451599	10451939	Gmdrm	hypo	CG	-0.1329
Gm11	10452576	10452743	Gmdrm	hypo	CG	-0.52
Gm11	10518901	10518950	Gmdrm	hypo	CG	-0.3867
Gm11	10519409	10519645	Gmdrm	hypo	CG	-0.7618
Gm11	10539132	10539331	Gmdrm	hypo	CG	-0.06
Gm11	10540771	10540821	Gmdrm	hypo	CG	-0.605
Gm11	10541037	10541230	Gmdrm	hypo	CG	-0.914
Gm11	10551066	10551195	Gmdrm	hypo	CG	-0.5763
Gm11	10559497	10559681	Gmdrm	hypo	CG	-0.7662
Gm11	10560581	10560748	Gmdrm	hypo	CG	-0.9719
Gm11	10664849	10665346	Gmdrm	hypo	CG	-0.2904
Gm11	10676386	10676418	Gmdrm	hypo	CG	-0.4183
Gm11	10678945	10679030	Gmdrm	hypo	CG	-0.4667
Gm11	10714101	10714147	Gmdrm	hypo	CG	-0.6774
Gm11	10714708	10714917	Gmdrm	hypo	CG	-0.9207
Gm11	10721685	10721759	Gmdrm	hypo	CG	-0.04
Gm11	10727483	10727539	Gmdrm	hypo	CG	-0.94
Gm11	10728106	10728322	Gmdrm	hypo	CG	-0.0918
Gm11	10728675	10728848	Gmdrm	hypo	CG	-0.4858
Gm11	10729298	10729519	Gmdrm	hypo	CG	-0.184
Gm11	10730364	10730542	Gmdrm	hypo	CG	-0.7222
Gm11	10744850	10744971	Gmdrm	hypo	CG	-0.946
Gm11	10745393	10745776	Gmdrm	hypo	CG	-0.9118
Gm11	10760070	10760152	Gmdrm	hypo	CG	-0.8467

Gm11	10779152	10779319	Gmdrm	hypo	CG	-0.38
Gm11	10788228	10788787	Gmdrm	hypo	CG	-0.6031
Gm11	10789205	10789593	Gmdrm	hypo	CG	-0.7469
Gm11	10819062	10819308	Gmdrm	hypo	CG	-0.7233
Gm11	10819511	10819606	Gmdrm	hypo	CG	-0.49
Gm11	10819726	10819874	Gmdrm	hypo	CG	-0.223
Gm11	10831591	10831659	Gmdrm	hypo	CG	-0.4237
Gm11	10839447	10839619	Gmdrm	hypo	CG	-0.88
Gm11	10860086	10860463	Gmdrm	hypo	CG	-0.5864
Gm11	10873355	10873401	Gmdrm	hypo	CG	-0.395
Gm11	10876039	10876131	Gmdrm	hypo	CG	-0.545
Gm11	10882376	10882537	Gmdrm	hypo	CG	-0.715
Gm11	10885126	10885289	Gmdrm	hypo	CG	-0.3184
Gm11	10898610	10898652	Gmdrm	hypo	CG	-0.9366
Gm11	10903109	10903238	Gmdrm	hypo	CG	-0.044
Gm11	10905661	10905691	Gmdrm	hypo	CG	-0.3017
Gm11	10908068	10908164	Gmdrm	hypo	CG	-0.1113
Gm11	10915043	10915356	Gmdrm	hypo	CG	-0.9294
Gm11	10919292	10919466	Gmdrm	hypo	CG	-0.042
Gm11	10943127	10943325	Gmdrm	hypo	CG	-0.7934
Gm11	10981060	10981169	Gmdrm	hypo	CG	-0.6333
Gm11	10983203	10983334	Gmdrm	hypo	CG	-0.425
Gm11	11001385	11001568	Gmdrm	hypo	CG	-0.2186
Gm11	11002161	11002271	Gmdrm	hypo	CG	-0.5779
Gm11	11002613	11002871	Gmdrm	hypo	CG	-0.6728
Gm11	11004526	11004614	Gmdrm	hypo	CG	-0.562
Gm11	11004925	11005093	Gmdrm	hypo	CG	-0.25
Gm11	11006323	11006388	Gmdrm	hypo	CG	-0.73
Gm11	11016107	11016253	Gmdrm	hypo	CG	-0.93
Gm11	11016529	11016557	Gmdrm	hypo	CG	-0.8267
Gm11	11017564	11017813	Gmdrm	hypo	CG	-0.5965
Gm11	11088312	11088419	Gmdrm	hypo	CG	-0.0286
Gm11	11112506	11112822	Gmdrm	hypo	CG	-0.03
Gm11	11151224	11151469	Gmdrm	hypo	CG	-0.239
Gm11	11155726	11155840	Gmdrm	hypo	CG	-0.113
Gm11	11156307	11156353	Gmdrm	hypo	CG	-0.9566
Gm11	11162211	11162367	Gmdrm	hypo	CG	-0.944
Gm11	11162839	11163075	Gmdrm	hypo	CG	-0.7007
Gm11	11179204	11179264	Gmdrm	hypo	CG	-0.8325
Gm11	11179524	11179645	Gmdrm	hypo	CG	-0.6122
Gm11	11234929	11234946	Gmdrm	hypo	CG	-0.975
Gm11	11235050	11235160	Gmdrm	hypo	CG	-0.4062
Gm11	11267993	11268136	Gmdrm	hypo	CG	-0.5471
Gm11	11278233	11278350	Gmdrm	hypo	CG	-0.662
Gm11	11278576	11278639	Gmdrm	hypo	CG	-0.585
Gm11	11280733	11280811	Gmdrm	hypo	CG	-0.032

Gm11	11286100	11286258	Gmdrm	hypo	CG	-0.062
Gm11	11286848	11287055	Gmdrm	hypo	CG	-0.7012
Gm11	11287178	11287248	Gmdrm	hypo	CG	-0.979
Gm11	11294823	11295470	Gmdrm	hypo	CG	-0.0312
Gm11	11295612	11295721	Gmdrm	hypo	CG	-0.7442
Gm11	11337292	11337467	Gmdrm	hypo	CG	-0.5487
Gm11	11351080	11351425	Gmdrm	hypo	CG	-0.3112
Gm11	11359314	11359472	Gmdrm	hypo	CG	-0.056
Gm11	11366423	11366483	Gmdrm	hypo	CG	-0.9416
Gm11	11387530	11387694	Gmdrm	hypo	CG	-0.0613
Gm11	11411714	11411759	Gmdrm	hypo	CG	-0.2417
Gm11	11456914	11456961	Gmdrm	hypo	CG	-0.1383
Gm11	11457332	11457378	Gmdrm	hypo	CG	-0.9013
Gm11	11457580	11457756	Gmdrm	hypo	CG	-0.8678
Gm11	11489649	11489801	Gmdrm	hypo	CG	-0.6754
Gm11	11498715	11498873	Gmdrm	hypo	CG	-0.835
Gm11	11499742	11499861	Gmdrm	hypo	CG	-0.7775
Gm11	11552714	11552751	Gmdrm	hypo	CG	-0.91
Gm11	11569785	11569823	Gmdrm	hypo	CG	-0.1117
Gm11	11570264	11570412	Gmdrm	hypo	CG	-0.498
Gm11	11590641	11590748	Gmdrm	hypo	CG	-0.7667
Gm11	11594094	11594174	Gmdrm	hypo	CG	-0.95
Gm11	11607108	11607240	Gmdrm	hypo	CG	-0.8587
Gm11	11612415	11612786	Gmdrm	hypo	CG	-0.0627
Gm11	11623960	11623983	Gmdrm	hypo	CG	-0.9083
Gm11	11624089	11624132	Gmdrm	hypo	CG	-0.85
Gm11	11646423	11646549	Gmdrm	hypo	CG	-0.1825
Gm11	11698333	11698362	Gmdrm	hypo	CG	-0.2188
Gm11	11698512	11698585	Gmdrm	hypo	CG	-0.48
Gm11	11705937	11706214	Gmdrm	hypo	CG	-0.25
Gm11	11715034	11715177	Gmdrm	hypo	CG	-0.96
Gm11	11745403	11745673	Gmdrm	hypo	CG	-0.0626
Gm11	11747577	11747938	Gmdrm	hypo	CG	-0.0336
Gm11	11755507	11755689	Gmdrm	hypo	CG	-0.0569
Gm11	11769876	11769938	Gmdrm	hypo	CG	-0.12
Gm11	11777208	11777535	Gmdrm	hypo	CG	-0.5633
Gm11	11786703	11786893	Gmdrm	hypo	CG	-0.491
Gm11	11819035	11819259	Gmdrm	hypo	CG	-0.1888
Gm11	11846123	11846343	Gmdrm	hypo	CG	-0.0675
Gm11	11857377	11857563	Gmdrm	hypo	CG	-0.6638
Gm11	11922057	11922625	Gmdrm	hypo	CG	-0.7982
Gm11	11928497	11929107	Gmdrm	hypo	CG	-0.4867
Gm11	11962315	11962486	Gmdrm	hypo	CG	-0.555
Gm11	11964875	11965164	Gmdrm	hypo	CG	-0.0795
Gm11	11971566	11971852	Gmdrm	hypo	CG	-0.66
Gm11	11972299	11972408	Gmdrm	hypo	CG	-0.4367

Gm11	11973020	11973105	Gmdrm	hypo	CG	-0.1216
Gm11	11974326	11974385	Gmdrm	hypo	CG	-0.43
Gm11	11974500	11974669	Gmdrm	hypo	CG	-0.4462
Gm11	11975449	11975569	Gmdrm	hypo	CG	-0.8867
Gm11	12054909	12055111	Gmdrm	hypo	CG	-0.2491
Gm11	12065835	12066115	Gmdrm	hypo	CG	-0.48
Gm11	12068003	12068360	Gmdrm	hypo	CG	-0.2679
Gm11	12073995	12074228	Gmdrm	hypo	CG	-0.0245
Gm11	12087388	12087775	Gmdrm	hypo	CG	-0.3582
Gm11	12089691	12089816	Gmdrm	hypo	CG	-0.85
Gm11	12090277	12090515	Gmdrm	hypo	CG	-0.3789
Gm11	12130587	12130674	Gmdrm	hypo	CG	-0.0616
Gm11	12133434	12134410	Gmdrm	hypo	CG	-0.0356
Gm11	12135950	12136166	Gmdrm	hypo	CG	-0.0289
Gm11	12201631	12201839	Gmdrm	hypo	CG	-0.0384
Gm11	12221308	12221405	Gmdrm	hypo	CG	-0.968
Gm11	12302754	12303133	Gmdrm	hypo	CG	-0.0639
Gm11	12303243	12303391	Gmdrm	hypo	CG	-0.0676
Gm11	12304222	12304253	Gmdrm	hypo	CG	-0.1067
Gm11	12310070	12310226	Gmdrm	hypo	CG	-0.0364
Gm11	12313037	12313330	Gmdrm	hypo	CG	-0.1741
Gm11	12389184	12389304	Gmdrm	hypo	CG	-0.115
Gm11	12459665	12459833	Gmdrm	hypo	CG	-0.5975
Gm11	12542892	12542999	Gmdrm	hypo	CG	-0.095
Gm11	12630934	12631030	Gmdrm	hypo	CG	-0.1033
Gm11	12648632	12648834	Gmdrm	hypo	CG	-0.7325
Gm11	12648977	12649256	Gmdrm	hypo	CG	-0.1971
Gm11	12687538	12687637	Gmdrm	hypo	CG	-0.0613
Gm11	12697988	12698049	Gmdrm	hypo	CG	-0.132
Gm11	12717671	12717881	Gmdrm	hypo	CG	-0.0889
Gm11	12729105	12730087	Gmdrm	hypo	CG	-0.0256
Gm11	12737359	12738246	Gmdrm	hypo	CG	-0.0466
Gm11	12989124	12989621	Gmdrm	hypo	CG	-0.0385
Gm11	13023133	13023290	Gmdrm	hypo	CG	-0.4925
Gm11	13030142	13030453	Gmdrm	hypo	CG	-0.05
Gm11	13097642	13097695	Gmdrm	hypo	CG	-0.8533
Gm11	13102186	13102358	Gmdrm	hypo	CG	-0.2812
Gm11	13102710	13102975	Gmdrm	hypo	CG	-0.1138
Gm11	13103392	13103578	Gmdrm	hypo	CG	-0.1875
Gm11	13105239	13105457	Gmdrm	hypo	CG	-0.2883
Gm11	13105840	13106065	Gmdrm	hypo	CG	-0.78
Gm11	13142511	13142618	Gmdrm	hypo	CG	-0.059
Gm11	13146179	13146429	Gmdrm	hypo	CG	-0.4213
Gm11	13150113	13150341	Gmdrm	hypo	CG	-0.3554
Gm11	13163771	13163957	Gmdrm	hypo	CG	-0.0825
Gm11	13225450	13225572	Gmdrm	hypo	CG	-0.0567

Gm11	13265117	13265234	Gmdrm	hypo	CG	-0.1222
Gm11	13276052	13276635	Gmdrm	hypo	CG	-0.0245
Gm11	13369868	13370165	Gmdrm	hypo	CG	-0.5157
Gm11	13515751	13516291	Gmdrm	hypo	CG	-0.0289
Gm11	13537825	13537947	Gmdrm	hypo	CG	-0.1085
Gm11	13628159	13628203	Gmdrm	hypo	CG	-0.128
Gm11	13659796	13660131	Gmdrm	hypo	CG	-0.6934
Gm11	13671339	13671764	Gmdrm	hypo	CG	-0.09
Gm11	13731934	13732183	Gmdrm	hypo	CG	-0.0433
Gm11	13760483	13760681	Gmdrm	hypo	CG	-0.075
Gm11	13795586	13795714	Gmdrm	hypo	CG	-0.1315
Gm11	13826060	13826173	Gmdrm	hypo	CG	-0.078
Gm11	13830815	13830911	Gmdrm	hypo	CG	-0.5687
Gm11	13831012	13831197	Gmdrm	hypo	CG	-0.3175
Gm11	13833377	13833643	Gmdrm	hypo	CG	-0.7156
Gm11	13833793	13833933	Gmdrm	hypo	CG	-0.97
Gm11	13836233	13836350	Gmdrm	hypo	CG	-0.0967
Gm11	13923187	13923290	Gmdrm	hypo	CG	-0.08
Gm11	13942355	13942514	Gmdrm	hypo	CG	-0.0364
Gm11	13942758	13942830	Gmdrm	hypo	CG	-0.104
Gm11	14011374	14011573	Gmdrm	hypo	CG	-0.1033
Gm11	14054663	14054780	Gmdrm	hypo	CG	-0.684
Gm11	14054892	14055027	Gmdrm	hypo	CG	-0.6683
Gm11	14163294	14163392	Gmdrm	hypo	CG	-0.5037
Gm11	14250909	14251206	Gmdrm	hypo	CG	-0.0275
Gm11	14271833	14272211	Gmdrm	hypo	CG	-0.0524
Gm11	14295610	14296219	Gmdrm	hypo	CG	-0.0402
Gm11	14336721	14337106	Gmdrm	hypo	CG	-0.5354
Gm11	14343566	14343639	Gmdrm	hypo	CG	-0.6566
Gm11	14360058	14360138	Gmdrm	hypo	CG	-0.3817
Gm11	14378942	14379125	Gmdrm	hypo	CG	-0.7859
Gm11	14401262	14401348	Gmdrm	hypo	CG	-0.455
Gm11	14401464	14401622	Gmdrm	hypo	CG	-0.3741
Gm11	14409161	14409301	Gmdrm	hypo	CG	-0.79
Gm11	14437778	14437833	Gmdrm	hypo	CG	-0.822
Gm11	14456532	14456746	Gmdrm	hypo	CG	-0.569
Gm11	14456856	14456942	Gmdrm	hypo	CG	-0.5075
Gm11	14462635	14462792	Gmdrm	hypo	CG	-0.982
Gm11	14474693	14475063	Gmdrm	hypo	CG	-0.0413
Gm11	14478360	14478603	Gmdrm	hypo	CG	-0.7018
Gm11	14480982	14481164	Gmdrm	hypo	CG	-0.8235
Gm11	14481779	14481900	Gmdrm	hypo	CG	-0.2671
Gm11	14482216	14482409	Gmdrm	hypo	CG	-0.2292
Gm11	14482964	14483052	Gmdrm	hypo	CG	-0.5308
Gm11	14484809	14485110	Gmdrm	hypo	CG	-0.794
Gm11	14493514	14493647	Gmdrm	hypo	CG	-0.9034

Gm11	14493820	14493930	Gmdrm	hypo	CG	-0.6633
Gm11	14524987	14525103	Gmdrm	hypo	CG	-0.4149
Gm11	14528728	14528994	Gmdrm	hypo	CG	-0.49
Gm11	14529152	14529419	Gmdrm	hypo	CG	-0.9389
Gm11	14529573	14529807	Gmdrm	hypo	CG	-0.2393
Gm11	14535763	14535787	Gmdrm	hypo	CG	-0.2017
Gm11	14557555	14557807	Gmdrm	hypo	CG	-0.1016
Gm11	14561810	14561837	Gmdrm	hypo	CG	-0.7083
Gm11	14568066	14568247	Gmdrm	hypo	CG	-0.8618
Gm11	14575512	14575661	Gmdrm	hypo	CG	-0.0417
Gm11	14603924	14604344	Gmdrm	hypo	CG	-0.455
Gm11	14604638	14604768	Gmdrm	hypo	CG	-0.655
Gm11	14605350	14605721	Gmdrm	hypo	CG	-0.644
Gm11	14631250	14631279	Gmdrm	hypo	CG	-0.304
Gm11	14631431	14631557	Gmdrm	hypo	CG	-0.3409
Gm11	14633192	14633312	Gmdrm	hypo	CG	-0.932
Gm11	14703852	14704112	Gmdrm	hypo	CG	-0.48
Gm11	14704351	14704587	Gmdrm	hypo	CG	-0.7178
Gm11	14707579	14707635	Gmdrm	hypo	CG	-0.5457
Gm11	14712077	14712123	Gmdrm	hypo	CG	-0.904
Gm11	14713093	14713487	Gmdrm	hypo	CG	-0.1588
Gm11	14739632	14739676	Gmdrm	hypo	CG	-0.8375
Gm11	14761775	14761955	Gmdrm	hypo	CG	-0.4942
Gm11	14789953	14790161	Gmdrm	hypo	CG	-0.036
Gm11	14791540	14791633	Gmdrm	hypo	CG	-0.5183
Gm11	14821018	14821224	Gmdrm	hypo	CG	-0.5425
Gm11	14828236	14828364	Gmdrm	hypo	CG	-0.032
Gm11	14846103	14846244	Gmdrm	hypo	CG	-0.5728
Gm11	14879046	14879342	Gmdrm	hypo	CG	-0.5736
Gm11	14890202	14890299	Gmdrm	hypo	CG	-0.8375
Gm11	14891050	14891107	Gmdrm	hypo	CG	-0.142
Gm11	14907489	14907757	Gmdrm	hypo	CG	-0.5527
Gm11	14919188	14919282	Gmdrm	hypo	CG	-0.555
Gm11	14921061	14921123	Gmdrm	hypo	CG	-0.7917
Gm11	14924869	14924957	Gmdrm	hypo	CG	-0.535
Gm11	14955700	14955821	Gmdrm	hypo	CG	-0.7258
Gm11	14956874	14956965	Gmdrm	hypo	CG	-0.7976
Gm11	14957975	14958032	Gmdrm	hypo	CG	-0.21
Gm11	14959009	14959115	Gmdrm	hypo	CG	-0.455
Gm11	14967570	14967692	Gmdrm	hypo	CG	-0.94
Gm11	14976786	14976849	Gmdrm	hypo	CG	-0.993
Gm11	14977204	14977483	Gmdrm	hypo	CG	-0.8054
Gm11	14993136	14993168	Gmdrm	hypo	CG	-0.9383
Gm11	14993304	14993382	Gmdrm	hypo	CG	-0.9487
Gm11	15010868	15011193	Gmdrm	hypo	CG	-0.2272
Gm11	15016953	15017191	Gmdrm	hypo	CG	-0.2

Gm11	15020337	15020382	Gmdrm	hypo	CG	-0.75
Gm11	15022513	15022605	Gmdrm	hypo	CG	-0.654
Gm11	15023730	15023829	Gmdrm	hypo	CG	-0.905
Gm11	15026077	15026176	Gmdrm	hypo	CG	-0.8633
Gm11	15026857	15027029	Gmdrm	hypo	CG	-0.4743
Gm11	15038002	15038094	Gmdrm	hypo	CG	-0.7863
Gm11	15045196	15045311	Gmdrm	hypo	CG	-0.04
Gm11	15050354	15050433	Gmdrm	hypo	CG	-0.9225
Gm11	15054939	15055146	Gmdrm	hypo	CG	-0.735
Gm11	15064242	15064262	Gmdrm	hypo	CG	-0.9134
Gm11	15068276	15068550	Gmdrm	hypo	CG	-0.8086
Gm11	15070531	15070721	Gmdrm	hypo	CG	-0.5478
Gm11	15070903	15071160	Gmdrm	hypo	CG	-0.0878
Gm11	15089101	15089207	Gmdrm	hypo	CG	-0.3684
Gm11	15089569	15089668	Gmdrm	hypo	CG	-0.4333
Gm11	15089953	15090150	Gmdrm	hypo	CG	-0.255
Gm11	15121127	15121494	Gmdrm	hypo	CG	-0.4175
Gm11	15136806	15136881	Gmdrm	hypo	CG	-0.9633
Gm11	15142449	15142541	Gmdrm	hypo	CG	-0.8214
Gm11	15144831	15144891	Gmdrm	hypo	CG	-0.5083
Gm11	15151960	15152124	Gmdrm	hypo	CG	-0.6387
Gm11	15155669	15155782	Gmdrm	hypo	CG	-0.8957
Gm11	15162202	15162261	Gmdrm	hypo	CG	-0.95
Gm11	15194621	15194650	Gmdrm	hypo	CG	-0.4283
Gm11	15200807	15201089	Gmdrm	hypo	CG	-0.5626
Gm11	15211883	15211964	Gmdrm	hypo	CG	-0.932
Gm11	15247740	15247929	Gmdrm	hypo	CG	-0.576
Gm11	15251282	15251809	Gmdrm	hypo	CG	-0.0493
Gm11	15289832	15289964	Gmdrm	hypo	CG	-0.1763
Gm11	15317496	15317886	Gmdrm	hypo	CG	-0.328
Gm11	15324265	15324370	Gmdrm	hypo	CG	-0.78
Gm11	15325942	15326351	Gmdrm	hypo	CG	-0.2003
Gm11	15359976	15360403	Gmdrm	hypo	CG	-0.4758
Gm11	15360834	15361176	Gmdrm	hypo	CG	-0.5994
Gm11	15390417	15390664	Gmdrm	hypo	CG	-0.47
Gm11	15401449	15401691	Gmdrm	hypo	CG	-0.0783
Gm11	15417513	15417607	Gmdrm	hypo	CG	-0.3675
Gm11	15443135	15443420	Gmdrm	hypo	CG	-0.88
Gm11	15452507	15452587	Gmdrm	hypo	CG	-0.0817
Gm11	15464466	15464823	Gmdrm	hypo	CG	-0.5386
Gm11	15465967	15466147	Gmdrm	hypo	CG	-0.13
Gm11	15472186	15472519	Gmdrm	hypo	CG	-0.3996
Gm11	15474996	15475269	Gmdrm	hypo	CG	-0.0303
Gm11	15484278	15484651	Gmdrm	hypo	CG	-0.0782
Gm11	15485656	15485702	Gmdrm	hypo	CG	-0.8633
Gm11	15487218	15487357	Gmdrm	hypo	CG	-0.6417

Gm11	15519232	15519621	Gmdrm	hypo	CG	-0.0767
Gm11	15519798	15519831	Gmdrm	hypo	CG	-0.2862
Gm11	15519980	15520189	Gmdrm	hypo	CG	-0.952
Gm11	15529792	15529899	Gmdrm	hypo	CG	-0.3817
Gm11	15530030	15530276	Gmdrm	hypo	CG	-0.2783
Gm11	15541865	15541963	Gmdrm	hypo	CG	-0.8776
Gm11	15542080	15542171	Gmdrm	hypo	CG	-0.7817
Gm11	15551960	15552177	Gmdrm	hypo	CG	-0.95
Gm11	15570047	15570122	Gmdrm	hypo	CG	-0.0783
Gm11	15620339	15620412	Gmdrm	hypo	CG	-0.23
Gm11	15620594	15620762	Gmdrm	hypo	CG	-0.0492
Gm11	15620997	15621196	Gmdrm	hypo	CG	-0.4895
Gm11	15634695	15634871	Gmdrm	hypo	CG	-0.9437
Gm11	15636042	15636169	Gmdrm	hypo	CG	-0.712
Gm11	15637697	15637798	Gmdrm	hypo	CG	-0.9084
Gm11	15685811	15685924	Gmdrm	hypo	CG	-0.18
Gm11	15686356	15686532	Gmdrm	hypo	CG	-0.3917
Gm11	15710170	15710389	Gmdrm	hypo	CG	-0.05
Gm11	15732118	15732164	Gmdrm	hypo	CG	-0.24
Gm11	15737739	15737941	Gmdrm	hypo	CG	-0.877
Gm11	15742627	15742741	Gmdrm	hypo	CG	-0.966
Gm11	15743242	15744020	Gmdrm	hypo	CG	-0.0331
Gm11	15746633	15746861	Gmdrm	hypo	CG	-0.9414
Gm11	15748641	15749459	Gmdrm	hypo	CG	-0.2285
Gm11	15749566	15749732	Gmdrm	hypo	CG	-0.5833
Gm11	15777932	15778144	Gmdrm	hypo	CG	-0.345
Gm11	15785855	15785929	Gmdrm	hypo	CG	-0.0433
Gm11	15816571	15816607	Gmdrm	hypo	CG	-0.91
Gm11	15857099	15857345	Gmdrm	hypo	CG	-0.2706
Gm11	15874327	15874500	Gmdrm	hypo	CG	-0.621
Gm11	15889608	15889634	Gmdrm	hypo	CG	-0.235
Gm11	15903658	15903761	Gmdrm	hypo	CG	-0.8413
Gm11	15911213	15911366	Gmdrm	hypo	CG	-0.8117
Gm11	15917144	15917602	Gmdrm	hypo	CG	-0.3582
Gm11	15918294	15918512	Gmdrm	hypo	CG	-0.9036
Gm11	15939750	15939944	Gmdrm	hypo	CG	-0.719
Gm11	15944339	15944450	Gmdrm	hypo	CG	-0.0317
Gm11	15953657	15953840	Gmdrm	hypo	CG	-0.4214
Gm11	15972371	15972468	Gmdrm	hypo	CG	-0.56
Gm11	15976597	15976824	Gmdrm	hypo	CG	-0.3511
Gm11	15986034	15986282	Gmdrm	hypo	CG	-0.7598
Gm11	15991091	15991510	Gmdrm	hypo	CG	-0.1927
Gm11	16047287	16047370	Gmdrm	hypo	CG	-0.556
Gm11	16080008	16080019	Gmdrm	hypo	CG	-0.0817
Gm11	16083918	16084110	Gmdrm	hypo	CG	-0.0154
Gm11	16093627	16093664	Gmdrm	hypo	CG	-0.3417

Gm11	16114180	16114283	Gmdrm	hypo	CG	-0.0505
Gm11	16119577	16119826	Gmdrm	hypo	CG	-0.68
Gm11	16119930	16120175	Gmdrm	hypo	CG	-0.7294
Gm11	16120500	16120549	Gmdrm	hypo	CG	-0.9156
Gm11	16133274	16133366	Gmdrm	hypo	CG	-0.4733
Gm11	16133530	16133712	Gmdrm	hypo	CG	-0.4121
Gm11	16141775	16141798	Gmdrm	hypo	CG	-0.6667
Gm11	16155694	16155709	Gmdrm	hypo	CG	-0.7617
Gm11	16156215	16156522	Gmdrm	hypo	CG	-0.6642
Gm11	16168602	16168717	Gmdrm	hypo	CG	-0.8767
Gm11	16199731	16199965	Gmdrm	hypo	CG	-0.1666
Gm11	16205301	16205543	Gmdrm	hypo	CG	-0.1004
Gm11	16208385	16208648	Gmdrm	hypo	CG	-0.8625
Gm11	16228016	16228512	Gmdrm	hypo	CG	-0.065
Gm11	16244170	16244237	Gmdrm	hypo	CG	-0.0783
Gm11	16244918	16244977	Gmdrm	hypo	CG	-0.5413
Gm11	16245094	16245213	Gmdrm	hypo	CG	-0.235
Gm11	16248169	16248406	Gmdrm	hypo	CG	-0.5039
Gm11	16269558	16269619	Gmdrm	hypo	CG	-0.6933
Gm11	16272615	16272696	Gmdrm	hypo	CG	-0.5783
Gm11	16293534	16293639	Gmdrm	hypo	CG	-0.052
Gm11	16308049	16308059	Gmdrm	hypo	CG	-0.9883
Gm11	16310276	16310349	Gmdrm	hypo	CG	-0.236
Gm11	16310522	16310886	Gmdrm	hypo	CG	-0.0291
Gm11	16316187	16316764	Gmdrm	hypo	CG	-0.337
Gm11	16334638	16334889	Gmdrm	hypo	CG	-0.152
Gm11	16336854	16337016	Gmdrm	hypo	CG	-0.931
Gm11	16339477	16339627	Gmdrm	hypo	CG	-0.1069
Gm11	16339880	16340201	Gmdrm	hypo	CG	-0.4153
Gm11	16364524	16364644	Gmdrm	hypo	CG	-0.745
Gm11	16407220	16407270	Gmdrm	hypo	CG	-0.4058
Gm11	16418510	16418987	Gmdrm	hypo	CG	-0.3269
Gm11	16427443	16427813	Gmdrm	hypo	CG	-0.7556
Gm11	16440967	16441821	Gmdrm	hypo	CG	-0.1011
Gm11	16446493	16446558	Gmdrm	hypo	CG	-0.1667
Gm11	16446997	16447034	Gmdrm	hypo	CG	-0.4467
Gm11	16460922	16461058	Gmdrm	hypo	CG	-0.535
Gm11	16495931	16496034	Gmdrm	hypo	CG	-0.1333
Gm11	16501710	16501868	Gmdrm	hypo	CG	-0.9383
Gm11	16519322	16519609	Gmdrm	hypo	CG	-0.7929
Gm11	16531938	16532072	Gmdrm	hypo	CG	-0.2356
Gm11	16550588	16550834	Gmdrm	hypo	CG	-0.0546
Gm11	16560828	16560937	Gmdrm	hypo	CG	-0.656
Gm11	16561317	16561605	Gmdrm	hypo	CG	-0.1277
Gm11	16567727	16568086	Gmdrm	hypo	CG	-0.4263
Gm11	16573332	16573751	Gmdrm	hypo	CG	-0.3239

Gm11	16575053	16575368	Gmdrm	hypo	CG	-0.7609
Gm11	16575578	16575821	Gmdrm	hypo	CG	-0.1584
Gm11	16575979	16576052	Gmdrm	hypo	CG	-0.1462
Gm11	16577724	16577943	Gmdrm	hypo	CG	-0.056
Gm11	16578064	16578137	Gmdrm	hypo	CG	-0.0667
Gm11	16578912	16579531	Gmdrm	hypo	CG	-0.3353
Gm11	16579678	16579817	Gmdrm	hypo	CG	-0.243
Gm11	16593816	16594015	Gmdrm	hypo	CG	-0.4843
Gm11	16610635	16610719	Gmdrm	hypo	CG	-0.56
Gm11	16616110	16616230	Gmdrm	hypo	CG	-0.6314
Gm11	16616520	16616609	Gmdrm	hypo	CG	-0.6923
Gm11	16622416	16622553	Gmdrm	hypo	CG	-0.07
Gm11	16623855	16624125	Gmdrm	hypo	CG	-0.7088
Gm11	16630655	16630780	Gmdrm	hypo	CG	-0.132
Gm11	16632549	16632597	Gmdrm	hypo	CG	-0.601
Gm11	16638510	16638629	Gmdrm	hypo	CG	-0.5809
Gm11	16661306	16661348	Gmdrm	hypo	CG	-0.3862
Gm11	16661649	16661679	Gmdrm	hypo	CG	-0.8917
Gm11	16703674	16703820	Gmdrm	hypo	CG	-0.0683
Gm11	16707363	16707412	Gmdrm	hypo	CG	-0.9533
Gm11	16714157	16714361	Gmdrm	hypo	CG	-0.038
Gm11	16720387	16720577	Gmdrm	hypo	CG	-0.8811
Gm11	16726674	16727271	Gmdrm	hypo	CG	-0.8079
Gm11	16734108	16734193	Gmdrm	hypo	CG	-0.0367
Gm11	16743842	16744107	Gmdrm	hypo	CG	-0.0325
Gm11	16744982	16745052	Gmdrm	hypo	CG	-0.355
Gm11	16762606	16762812	Gmdrm	hypo	CG	-0.1256
Gm11	16764315	16764453	Gmdrm	hypo	CG	-0.795
Gm11	16773441	16773524	Gmdrm	hypo	CG	-0.9593
Gm11	16777586	16777719	Gmdrm	hypo	CG	-0.9337
Gm11	16819898	16820051	Gmdrm	hypo	CG	-0.6734
Gm11	16823323	16823472	Gmdrm	hypo	CG	-0.927
Gm11	16882425	16882491	Gmdrm	hypo	CG	-0.1888
Gm11	16889430	16889626	Gmdrm	hypo	CG	-0.068
Gm11	16897664	16897794	Gmdrm	hypo	CG	-0.9362
Gm11	16913123	16913632	Gmdrm	hypo	CG	-0.6452
Gm11	16919145	16919355	Gmdrm	hypo	CG	-0.6278
Gm11	16923543	16923994	Gmdrm	hypo	CG	-0.2814
Gm11	16925226	16925692	Gmdrm	hypo	CG	-0.3238
Gm11	16935730	16935826	Gmdrm	hypo	CG	-0.3012
Gm11	16936004	16936091	Gmdrm	hypo	CG	-0.3167
Gm11	16936677	16936996	Gmdrm	hypo	CG	-0.2237
Gm11	16946935	16947047	Gmdrm	hypo	CG	-0.91
Gm11	16947245	16947501	Gmdrm	hypo	CG	-0.8867
Gm11	16967112	16967268	Gmdrm	hypo	CG	-0.0613
Gm11	16978230	16978352	Gmdrm	hypo	CG	-0.705

Gm11	16978461	16978496	Gmdrm	hypo	CG	-0.42
Gm11	17002628	17002957	Gmdrm	hypo	CG	-0.7017
Gm11	17035761	17035873	Gmdrm	hypo	CG	-0.5439
Gm11	17042676	17043050	Gmdrm	hypo	CG	-0.5578
Gm11	17045474	17045657	Gmdrm	hypo	CG	-0.0513
Gm11	17057933	17058419	Gmdrm	hypo	CG	-0.3963
Gm11	17074769	17074960	Gmdrm	hypo	CG	-0.785
Gm11	17080074	17080435	Gmdrm	hypo	CG	-0.5017
Gm11	17088989	17089045	Gmdrm	hypo	CG	-0.7186
Gm11	17089212	17089267	Gmdrm	hypo	CG	-0.4933
Gm11	17091342	17091862	Gmdrm	hypo	CG	-0.2139
Gm11	17092049	17092084	Gmdrm	hypo	CG	-0.3325
Gm11	17092263	17092474	Gmdrm	hypo	CG	-0.7683
Gm11	17148889	17149165	Gmdrm	hypo	CG	-0.3538
Gm11	17180624	17181247	Gmdrm	hypo	CG	-0.0406
Gm11	17186012	17186745	Gmdrm	hypo	CG	-0.0566
Gm11	17222773	17222968	Gmdrm	hypo	CG	-0.274
Gm11	17227104	17227324	Gmdrm	hypo	CG	-0.7513
Gm11	17227745	17227862	Gmdrm	hypo	CG	-0.5966
Gm11	17228808	17229237	Gmdrm	hypo	CG	-0.8528
Gm11	17230195	17230377	Gmdrm	hypo	CG	-0.3933
Gm11	17248872	17249179	Gmdrm	hypo	CG	-0.1946
Gm11	17265937	17266027	Gmdrm	hypo	CG	-0.4924
Gm11	17296978	17297000	Gmdrm	hypo	CG	-0.2933
Gm11	17324731	17324800	Gmdrm	hypo	CG	-0.965
Gm11	17326283	17326397	Gmdrm	hypo	CG	-0.0783
Gm11	17334764	17334776	Gmdrm	hypo	CG	-0.9683
Gm11	17356036	17356160	Gmdrm	hypo	CG	-0.2487
Gm11	17360103	17360254	Gmdrm	hypo	CG	-0.0315
Gm11	17388780	17388902	Gmdrm	hypo	CG	-0.326
Gm11	17389599	17389801	Gmdrm	hypo	CG	-0.3325
Gm11	17389941	17390275	Gmdrm	hypo	CG	-0.2536
Gm11	17397122	17397342	Gmdrm	hypo	CG	-0.2895
Gm11	17421571	17421710	Gmdrm	hypo	CG	-0.3961
Gm11	17453430	17453455	Gmdrm	hypo	CG	-0.8916
Gm11	17464483	17464828	Gmdrm	hypo	CG	-0.2635
Gm11	17467834	17467935	Gmdrm	hypo	CG	-0.6581
Gm11	17472904	17473140	Gmdrm	hypo	CG	-0.6984
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Gm11	17480933	17481212	Gmdrm	hypo	CG	-0.5443
Gm11	17481816	17482092	Gmdrm	hypo	CG	-0.035
Gm11	17493019	17493214	Gmdrm	hypo	CG	-0.3443
Gm11	17497004	17497190	Gmdrm	hypo	CG	-0.074
Gm11	17531515	17531685	Gmdrm	hypo	CG	-0.509
Gm11	17579965	17579990	Gmdrm	hypo	CG	-0.8733
Gm11	17597063	17597468	Gmdrm	hypo	CG	-0.0417

Gm11	17598924	17599302	Gmdrm	hypo	CG	-0.0253
Gm11	17624650	17624752	Gmdrm	hypo	CG	-0.046
Gm11	17625494	17625635	Gmdrm	hypo	CG	-0.9747
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Gm11	17635906	17636023	Gmdrm	hypo	CG	-0.4175
Gm11	17639561	17639682	Gmdrm	hypo	CG	-0.2437
Gm11	17644390	17644676	Gmdrm	hypo	CG	-0.5665
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Gm11	17658777	17658913	Gmdrm	hypo	CG	-0.1606
Gm11	17659627	17659730	Gmdrm	hypo	CG	-0.365
Gm11	17661512	17661695	Gmdrm	hypo	CG	-0.0287
Gm11	17680318	17680541	Gmdrm	hypo	CG	-0.4637
Gm11	17680645	17680883	Gmdrm	hypo	CG	-0.7357
Gm11	17684776	17684851	Gmdrm	hypo	CG	-0.23
Gm11	17685110	17685217	Gmdrm	hypo	CG	-0.1212
Gm11	17686625	17687105	Gmdrm	hypo	CG	-0.1412
Gm11	17687226	17687395	Gmdrm	hypo	CG	-0.5266
Gm11	17691428	17691726	Gmdrm	hypo	CG	-0.395
Gm11	17692806	17692998	Gmdrm	hypo	CG	-0.675
Gm11	17694598	17694702	Gmdrm	hypo	CG	-0.69
Gm11	17701785	17701873	Gmdrm	hypo	CG	-0.81
Gm11	17712111	17712252	Gmdrm	hypo	CG	-0.5443
Gm11	17738506	17738680	Gmdrm	hypo	CG	-0.95
Gm11	17740954	17741155	Gmdrm	hypo	CG	-0.9525
Gm11	17745685	17745961	Gmdrm	hypo	CG	-0.0462
Gm11	17748807	17749307	Gmdrm	hypo	CG	-0.5566
Gm11	17799769	17800708	Gmdrm	hypo	CG	-0.06
Gm11	17820300	17820395	Gmdrm	hypo	CG	-0.7137
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Gm11	17861834	17861953	Gmdrm	hypo	CG	-0.552
Gm11	17862716	17862932	Gmdrm	hypo	CG	-0.55
Gm11	17899835	17900198	Gmdrm	hypo	CG	-0.6728
Gm11	17901566	17901680	Gmdrm	hypo	CG	-0.9384
Gm11	17901818	17902125	Gmdrm	hypo	CG	-0.8793
Gm11	17909071	17909137	Gmdrm	hypo	CG	-0.3833
Gm11	17923233	17923504	Gmdrm	hypo	CG	-0.0331
Gm11	17933389	17933633	Gmdrm	hypo	CG	-0.1167
Gm11	17949915	17950131	Gmdrm	hypo	CG	-0.1229
Gm11	17950525	17950862	Gmdrm	hypo	CG	-0.0355
Gm11	17987254	17987358	Gmdrm	hypo	CG	-0.355
Gm11	17987526	17988016	Gmdrm	hypo	CG	-0.1695
Gm11	18038223	18038456	Gmdrm	hypo	CG	-0.1145
Gm11	18062397	18062536	Gmdrm	hypo	CG	-0.945
Gm11	18063318	18063372	Gmdrm	hypo	CG	-0.1983
Gm11	18119881	18120021	Gmdrm	hypo	CG	-0.7738

Gm11	18128378	18128485	Gmdrm	hypo	CG	-0.1537
Gm11	18128633	18128819	Gmdrm	hypo	CG	-0.4592
Gm11	18143938	18144031	Gmdrm	hypo	CG	-0.3467
Gm11	18144289	18144470	Gmdrm	hypo	CG	-0.7222
Gm11	18148346	18148485	Gmdrm	hypo	CG	-0.8551
Gm11	18149604	18149671	Gmdrm	hypo	CG	-0.4413
Gm11	18158390	18158501	Gmdrm	hypo	CG	-0.8164
Gm11	18174255	18174375	Gmdrm	hypo	CG	-0.2117
Gm11	18198460	18198541	Gmdrm	hypo	CG	-0.1616
Gm11	18208968	18209096	Gmdrm	hypo	CG	-0.8867
Gm11	18209339	18209448	Gmdrm	hypo	CG	-0.7126
Gm11	18225676	18225738	Gmdrm	hypo	CG	-0.9267
Gm11	18259750	18260143	Gmdrm	hypo	CG	-0.1622
Gm11	18262916	18263118	Gmdrm	hypo	CG	-0.9217
Gm11	18265022	18265153	Gmdrm	hypo	CG	-0.8983
Gm11	18271816	18271922	Gmdrm	hypo	CG	-0.0888
Gm11	18295413	18295454	Gmdrm	hypo	CG	-0.076
Gm11	18299932	18300055	Gmdrm	hypo	CG	-0.321
Gm11	18311448	18311566	Gmdrm	hypo	CG	-0.1623
Gm11	18336200	18336439	Gmdrm	hypo	CG	-0.7913
Gm11	18338328	18338549	Gmdrm	hypo	CG	-0.7856
Gm11	18372677	18372964	Gmdrm	hypo	CG	-0.0655
Gm11	18373065	18373358	Gmdrm	hypo	CG	-0.0519
Gm11	18380856	18381023	Gmdrm	hypo	CG	-0.0356
Gm11	18386795	18387040	Gmdrm	hypo	CG	-0.8239
Gm11	18391064	18391235	Gmdrm	hypo	CG	-0.088
Gm11	18396744	18396936	Gmdrm	hypo	CG	-0.6383
Gm11	18398653	18398875	Gmdrm	hypo	CG	-0.695
Gm11	18430589	18430716	Gmdrm	hypo	CG	-0.046
Gm11	18431127	18431253	Gmdrm	hypo	CG	-0.71
Gm11	18431432	18431539	Gmdrm	hypo	CG	-0.058
Gm11	18448801	18449507	Gmdrm	hypo	CG	-0.0226
Gm11	18485172	18485311	Gmdrm	hypo	CG	-0.6485
Gm11	18514515	18514617	Gmdrm	hypo	CG	-0.166
Gm11	18525307	18525408	Gmdrm	hypo	CG	-0.055
Gm11	18533317	18533407	Gmdrm	hypo	CG	-0.1737
Gm11	18539543	18539789	Gmdrm	hypo	CG	-0.5739
Gm11	18540604	18540797	Gmdrm	hypo	CG	-0.5233
Gm11	18541030	18541192	Gmdrm	hypo	CG	-0.4367
Gm11	18570614	18570672	Gmdrm	hypo	CG	-0.6835
Gm11	18575367	18575512	Gmdrm	hypo	CG	-0.4275
Gm11	18593017	18593131	Gmdrm	hypo	CG	-0.762
Gm11	18608889	18608996	Gmdrm	hypo	CG	-0.061
Gm11	18610637	18611230	Gmdrm	hypo	CG	-0.0304
Gm11	18618061	18618677	Gmdrm	hypo	CG	-0.7251
Gm11	18619659	18619831	Gmdrm	hypo	CG	-0.653

Gm11	18620899	18620924	Gmdrm	hypo	CG	-0.1417
Gm11	18621477	18621643	Gmdrm	hypo	CG	-0.2162
Gm11	18631789	18631882	Gmdrm	hypo	CG	-0.1313
Gm11	18639282	18639339	Gmdrm	hypo	CG	-0.765
Gm11	18647313	18647465	Gmdrm	hypo	CG	-0.073
Gm11	18647869	18648017	Gmdrm	hypo	CG	-0.596
Gm11	18656464	18656757	Gmdrm	hypo	CG	-0.2775
Gm11	18658643	18658753	Gmdrm	hypo	CG	-0.519
Gm11	18659714	18659854	Gmdrm	hypo	CG	-0.72
Gm11	18678559	18678618	Gmdrm	hypo	CG	-0.3734
Gm11	18684013	18684085	Gmdrm	hypo	CG	-0.4038
Gm11	18691662	18691935	Gmdrm	hypo	CG	-0.1467
Gm11	18727486	18727572	Gmdrm	hypo	CG	-0.2366
Gm11	18729307	18729427	Gmdrm	hypo	CG	-0.086
Gm11	18731800	18732098	Gmdrm	hypo	CG	-0.7541
Gm11	18737913	18738177	Gmdrm	hypo	CG	-0.5
Gm11	18742679	18742921	Gmdrm	hypo	CG	-0.0365
Gm11	18749509	18749614	Gmdrm	hypo	CG	-0.9217
Gm11	18777869	18778220	Gmdrm	hypo	CG	-0.0455
Gm11	18788061	18788282	Gmdrm	hypo	CG	-0.3608
Gm11	18809291	18809388	Gmdrm	hypo	CG	-0.0706
Gm11	18827600	18827771	Gmdrm	hypo	CG	-0.122
Gm11	18835567	18835599	Gmdrm	hypo	CG	-0.8867
Gm11	18892568	18892646	Gmdrm	hypo	CG	-0.0733
Gm11	18911701	18911926	Gmdrm	hypo	CG	-0.0959
Gm11	18912068	18912320	Gmdrm	hypo	CG	-0.0738
Gm11	18918406	18918683	Gmdrm	hypo	CG	-0.41
Gm11	18946378	18946607	Gmdrm	hypo	CG	-0.0507
Gm11	18957759	18957907	Gmdrm	hypo	CG	-0.34
Gm11	18964433	18964454	Gmdrm	hypo	CG	-0.0926
Gm11	18970135	18970212	Gmdrm	hypo	CG	-0.805
Gm11	18971694	18971794	Gmdrm	hypo	CG	-0.048
Gm11	18994136	18994267	Gmdrm	hypo	CG	-0.114
Gm11	18998182	18998451	Gmdrm	hypo	CG	-0.046
Gm11	19037003	19037171	Gmdrm	hypo	CG	-0.5666
Gm11	19042052	19042152	Gmdrm	hypo	CG	-0.4428
Gm11	19042456	19042800	Gmdrm	hypo	CG	-0.1016
Gm11	19047673	19047744	Gmdrm	hypo	CG	-0.47
Gm11	19055277	19055929	Gmdrm	hypo	CG	-0.0765
Gm11	19102325	19102358	Gmdrm	hypo	CG	-0.2467
Gm11	19197619	19197724	Gmdrm	hypo	CG	-0.6864
Gm11	19203523	19203643	Gmdrm	hypo	CG	-0.6217
Gm11	19216015	19216191	Gmdrm	hypo	CG	-0.1583
Gm11	19220840	19220941	Gmdrm	hypo	CG	-0.11
Gm11	19250744	19251380	Gmdrm	hypo	CG	-0.1315
Gm11	19257851	19257877	Gmdrm	hypo	CG	-0.3643

Gm11	19269551	19269665	Gmdrm	hypo	CG	-0.2834
Gm11	19272620	19272860	Gmdrm	hypo	CG	-0.6779
Gm11	19314420	19314546	Gmdrm	hypo	CG	-0.045
Gm11	19379503	19379658	Gmdrm	hypo	CG	-0.0883
Gm11	19442605	19443599	Gmdrm	hypo	CG	-0.0261
Gm11	19470624	19470681	Gmdrm	hypo	CG	-0.8283
Gm11	19479782	19479789	Gmdrm	hypo	CG	-0.36
Gm11	19480017	19480281	Gmdrm	hypo	CG	-0.2993
Gm11	19489794	19489993	Gmdrm	hypo	CG	-0.0222
Gm11	19501172	19501187	Gmdrm	hypo	CG	-0.1216
Gm11	19528528	19529400	Gmdrm	hypo	CG	-0.0214
Gm11	19538416	19539118	Gmdrm	hypo	CG	-0.071
Gm11	19543258	19543313	Gmdrm	hypo	CG	-0.207
Gm11	19543563	19543692	Gmdrm	hypo	CG	-0.51
Gm11	19570167	19570232	Gmdrm	hypo	CG	-0.6383
Gm11	19593258	19593356	Gmdrm	hypo	CG	-0.8559
Gm11	19613649	19613743	Gmdrm	hypo	CG	-0.125
Gm11	19613940	19614314	Gmdrm	hypo	CG	-0.3229
Gm11	19615648	19615782	Gmdrm	hypo	CG	-0.1437
Gm11	19625458	19625694	Gmdrm	hypo	CG	-0.2191
Gm11	19647074	19647414	Gmdrm	hypo	CG	-0.0581
Gm11	19732697	19732883	Gmdrm	hypo	CG	-0.126
Gm11	19733944	19734159	Gmdrm	hypo	CG	-0.918
Gm11	19734578	19734795	Gmdrm	hypo	CG	-0.8356
Gm11	19742209	19742412	Gmdrm	hypo	CG	-0.335
Gm11	19746754	19747055	Gmdrm	hypo	CG	-0.4196
Gm11	19778394	19779379	Gmdrm	hypo	CG	-0.0334
Gm11	19792946	19793167	Gmdrm	hypo	CG	-0.0468
Gm11	19803896	19804237	Gmdrm	hypo	CG	-0.0319
Gm11	19807301	19807625	Gmdrm	hypo	CG	-0.3895
Gm11	19858399	19859342	Gmdrm	hypo	CG	-0.0368
Gm11	19928912	19929166	Gmdrm	hypo	CG	-0.0933
Gm11	19967350	19967625	Gmdrm	hypo	CG	-0.4941
Gm11	19988880	19988975	Gmdrm	hypo	CG	-0.784
Gm11	19991403	19991764	Gmdrm	hypo	CG	-0.2005
Gm11	20022916	20023091	Gmdrm	hypo	CG	-0.115
Gm11	20044361	20044390	Gmdrm	hypo	CG	-0.755
Gm11	20045248	20045323	Gmdrm	hypo	CG	-0.6225
Gm11	20083041	20083224	Gmdrm	hypo	CG	-0.0686
Gm11	20122519	20122802	Gmdrm	hypo	CG	-0.3471
Gm11	20130480	20130575	Gmdrm	hypo	CG	-0.6366
Gm11	20156305	20156589	Gmdrm	hypo	CG	-0.2938
Gm11	20269358	20269528	Gmdrm	hypo	CG	-0.0728
Gm11	20273419	20273552	Gmdrm	hypo	CG	-0.8611
Gm11	20291216	20291295	Gmdrm	hypo	CG	-0.8983
Gm11	20292316	20292502	Gmdrm	hypo	CG	-0.4587

Gm11	20324863	20325172	Gmdrm	hypo	CG	-0.4511
Gm11	20327558	20327991	Gmdrm	hypo	CG	-0.1858
Gm11	20330909	20331194	Gmdrm	hypo	CG	-0.0847
Gm11	20343672	20343812	Gmdrm	hypo	CG	-0.05
Gm11	20379709	20379871	Gmdrm	hypo	CG	-0.6048
Gm11	20386624	20386748	Gmdrm	hypo	CG	-0.52
Gm11	20387469	20387754	Gmdrm	hypo	CG	-0.1873
Gm11	20396373	20396591	Gmdrm	hypo	CG	-0.0812
Gm11	20425766	20426217	Gmdrm	hypo	CG	-0.4999
Gm11	20461320	20461355	Gmdrm	hypo	CG	-0.095
Gm11	20481526	20481721	Gmdrm	hypo	CG	-0.4441
Gm11	20481896	20482192	Gmdrm	hypo	CG	-0.4438
Gm11	20483329	20483667	Gmdrm	hypo	CG	-0.1834
Gm11	20515341	20515409	Gmdrm	hypo	CG	-0.4983
Gm11	20541846	20542346	Gmdrm	hypo	CG	-0.0649
Gm11	20559141	20559257	Gmdrm	hypo	CG	-0.8799
Gm11	20565809	20566047	Gmdrm	hypo	CG	-0.69
Gm11	20568767	20568966	Gmdrm	hypo	CG	-0.4207
Gm11	20570546	20570582	Gmdrm	hypo	CG	-0.2883
Gm11	20574030	20574380	Gmdrm	hypo	CG	-0.7953
Gm11	20575228	20575256	Gmdrm	hypo	CG	-0.355
Gm11	20581439	20581674	Gmdrm	hypo	CG	-0.2308
Gm11	20582997	20583201	Gmdrm	hypo	CG	-0.0985
Gm11	20584585	20584974	Gmdrm	hypo	CG	-0.4022
Gm11	20598435	20598555	Gmdrm	hypo	CG	-0.6333
Gm11	20598939	20598993	Gmdrm	hypo	CG	-0.9384
Gm11	20640817	20641047	Gmdrm	hypo	CG	-0.8789
Gm11	20641464	20641753	Gmdrm	hypo	CG	-0.7255
Gm11	20643330	20643358	Gmdrm	hypo	CG	-0.305
Gm11	20665222	20665431	Gmdrm	hypo	CG	-0.3418
Gm11	20666940	20667079	Gmdrm	hypo	CG	-0.7676
Gm11	20667194	20667444	Gmdrm	hypo	CG	-0.5549
Gm11	20677006	20677043	Gmdrm	hypo	CG	-0.6813
Gm11	20677280	20677859	Gmdrm	hypo	CG	-0.5264
Gm11	20706671	20706721	Gmdrm	hypo	CG	-0.6133
Gm11	20717143	20717553	Gmdrm	hypo	CG	-0.4377
Gm11	20719091	20719630	Gmdrm	hypo	CG	-0.0566
Gm11	20740506	20740676	Gmdrm	hypo	CG	-0.2208
Gm11	20749032	20749244	Gmdrm	hypo	CG	-0.1009
Gm11	20803980	20804236	Gmdrm	hypo	CG	-0.805
Gm11	20804502	20804583	Gmdrm	hypo	CG	-0.8516
Gm11	20818255	20818320	Gmdrm	hypo	CG	-0.6767
Gm11	20836161	20836238	Gmdrm	hypo	CG	-0.7663
Gm11	20843402	20843545	Gmdrm	hypo	CG	-0.885
Gm11	20849369	20849395	Gmdrm	hypo	CG	-0.065
Gm11	20894319	20895272	Gmdrm	hypo	CG	-0.0541

Gm11	20899009	20899208	Gmdrm	hypo	CG	-0.5922
Gm11	20900054	20900222	Gmdrm	hypo	CG	-0.785
Gm11	20900364	20900548	Gmdrm	hypo	CG	-0.0517
Gm11	20917085	20917150	Gmdrm	hypo	CG	-0.285
Gm11	20924701	20924725	Gmdrm	hypo	CG	-0.095
Gm11	20932147	20932382	Gmdrm	hypo	CG	-0.1055
Gm11	20935128	20935223	Gmdrm	hypo	CG	-0.1044
Gm11	20936209	20936790	Gmdrm	hypo	CG	-0.039
Gm11	20941268	20941377	Gmdrm	hypo	CG	-0.585
Gm11	20958037	20958077	Gmdrm	hypo	CG	-0.7284
Gm11	20959942	20959999	Gmdrm	hypo	CG	-0.074
Gm11	20966204	20966331	Gmdrm	hypo	CG	-0.0443
Gm11	21001366	21001438	Gmdrm	hypo	CG	-0.5571
Gm11	21024833	21025071	Gmdrm	hypo	CG	-0.0613
Gm11	21035833	21036129	Gmdrm	hypo	CG	-0.3406
Gm11	21037835	21037929	Gmdrm	hypo	CG	-0.78
Gm11	21038502	21038684	Gmdrm	hypo	CG	-0.9625
Gm11	21039564	21039824	Gmdrm	hypo	CG	-0.8283
Gm11	21055550	21055606	Gmdrm	hypo	CG	-0.6583
Gm11	21069596	21069819	Gmdrm	hypo	CG	-0.045
Gm11	21120287	21120381	Gmdrm	hypo	CG	-0.674
Gm11	21125006	21125075	Gmdrm	hypo	CG	-0.7383
Gm11	21146512	21146878	Gmdrm	hypo	CG	-0.5085
Gm11	21147272	21147301	Gmdrm	hypo	CG	-0.7333
Gm11	21164934	21165070	Gmdrm	hypo	CG	-0.6509
Gm11	21166959	21167390	Gmdrm	hypo	CG	-0.1159
Gm11	21169059	21169122	Gmdrm	hypo	CG	-0.99
Gm11	21184568	21184581	Gmdrm	hypo	CG	-0.1399
Gm11	21184808	21185174	Gmdrm	hypo	CG	-0.36
Gm11	21199829	21200005	Gmdrm	hypo	CG	-0.05
Gm11	21219050	21219610	Gmdrm	hypo	CG	-0.0694
Gm11	21230552	21230656	Gmdrm	hypo	CG	-0.815
Gm11	21230769	21230953	Gmdrm	hypo	CG	-0.9236
Gm11	21312373	21312467	Gmdrm	hypo	CG	-0.9229
Gm11	21330801	21331038	Gmdrm	hypo	CG	-0.8
Gm11	21331625	21331738	Gmdrm	hypo	CG	-0.526
Gm11	21351245	21351431	Gmdrm	hypo	CG	-0.2589
Gm11	21357420	21357484	Gmdrm	hypo	CG	-0.8383
Gm11	21378569	21378610	Gmdrm	hypo	CG	-0.525
Gm11	21398810	21399350	Gmdrm	hypo	CG	-0.0337
Gm11	21477023	21477472	Gmdrm	hypo	CG	-0.0316
Gm11	21532804	21533051	Gmdrm	hypo	CG	-0.0487
Gm11	21535031	21535073	Gmdrm	hypo	CG	-0.698
Gm11	21542455	21542520	Gmdrm	hypo	CG	-0.565
Gm11	21567474	21567642	Gmdrm	hypo	CG	-0.7574
Gm11	21568164	21568306	Gmdrm	hypo	CG	-0.94

Gm11	21570469	21570556	Gmdrm	hypo	CG	-0.36
Gm11	21573267	21573299	Gmdrm	hypo	CG	-0.1062
Gm11	21576605	21576742	Gmdrm	hypo	CG	-0.5311
Gm11	21578846	21579013	Gmdrm	hypo	CG	-0.2493
Gm11	21580736	21580916	Gmdrm	hypo	CG	-0.0855
Gm11	21581306	21581435	Gmdrm	hypo	CG	-0.9542
Gm11	21585134	21585282	Gmdrm	hypo	CG	-0.4358
Gm11	21604791	21604996	Gmdrm	hypo	CG	-0.1625
Gm11	21605251	21605431	Gmdrm	hypo	CG	-0.41
Gm11	21606582	21606719	Gmdrm	hypo	CG	-0.2684
Gm11	21617394	21617593	Gmdrm	hypo	CG	-0.04
Gm11	21659515	21659718	Gmdrm	hypo	CG	-0.1658
Gm11	21660031	21660525	Gmdrm	hypo	CG	-0.7134
Gm11	21667405	21668000	Gmdrm	hypo	CG	-0.0546
Gm11	21724043	21724330	Gmdrm	hypo	CG	-0.8409
Gm11	21734828	21735232	Gmdrm	hypo	CG	-0.0529
Gm11	21776883	21776954	Gmdrm	hypo	CG	-0.0983
Gm11	21819391	21819956	Gmdrm	hypo	CG	-0.0521
Gm11	21916608	21916707	Gmdrm	hypo	CG	-0.118
Gm11	21934974	21935753	Gmdrm	hypo	CG	-0.0252
Gm11	22033578	22033670	Gmdrm	hypo	CG	-0.1125
Gm11	22136791	22136988	Gmdrm	hypo	CG	-0.0957
Gm11	22273579	22273819	Gmdrm	hypo	CG	-0.0991
Gm11	22274936	22275319	Gmdrm	hypo	CG	-0.0774
Gm11	22424888	22425103	Gmdrm	hypo	CG	-0.1042
Gm11	22433871	22434170	Gmdrm	hypo	CG	-0.0737
Gm11	22538065	22538160	Gmdrm	hypo	CG	-0.1143
Gm11	22547193	22547602	Gmdrm	hypo	CG	-0.0388
Gm11	22604091	22604316	Gmdrm	hypo	CG	-0.0587
Gm11	22625919	22626107	Gmdrm	hypo	CG	-0.1075
Gm11	22660820	22660939	Gmdrm	hypo	CG	-0.0582
Gm11	22781621	22781829	Gmdrm	hypo	CG	-0.062
Gm11	22805400	22805939	Gmdrm	hypo	CG	-0.0841
Gm11	22832062	22832301	Gmdrm	hypo	CG	-0.2672
Gm11	22938204	22938365	Gmdrm	hypo	CG	-0.04
Gm11	22972243	22972285	Gmdrm	hypo	CG	-0.9337
Gm11	23027831	23028098	Gmdrm	hypo	CG	-0.0692
Gm11	23036342	23036934	Gmdrm	hypo	CG	-0.035
Gm11	23045990	23046603	Gmdrm	hypo	CG	-0.0695
Gm11	23086105	23086438	Gmdrm	hypo	CG	-0.07
Gm11	23208886	23209214	Gmdrm	hypo	CG	-0.3557
Gm11	23218775	23218833	Gmdrm	hypo	CG	-0.15
Gm11	23308562	23309298	Gmdrm	hypo	CG	-0.0447
Gm11	23325040	23325225	Gmdrm	hypo	CG	-0.052
Gm11	23327043	23327237	Gmdrm	hypo	CG	-0.04
Gm11	23332127	23332171	Gmdrm	hypo	CG	-0.59

Gm11	23332276	23332356	Gmdrm	hypo	CG	-0.067
Gm11	23346310	23346475	Gmdrm	hypo	CG	-0.3893
Gm11	23400562	23400649	Gmdrm	hypo	CG	-0.9283
Gm11	23400924	23401035	Gmdrm	hypo	CG	-0.885
Gm11	23403173	23403418	Gmdrm	hypo	CG	-0.3342
Gm11	23403584	23403732	Gmdrm	hypo	CG	-0.3213
Gm11	23404169	23404334	Gmdrm	hypo	CG	-0.493
Gm11	23405518	23405771	Gmdrm	hypo	CG	-0.1306
Gm11	23409738	23409814	Gmdrm	hypo	CG	-0.93
Gm11	23410184	23410548	Gmdrm	hypo	CG	-0.5311
Gm11	23410859	23411062	Gmdrm	hypo	CG	-0.5613
Gm11	23412314	23412328	Gmdrm	hypo	CG	-0.43
Gm11	23413873	23413938	Gmdrm	hypo	CG	-0.123
Gm11	23415199	23415599	Gmdrm	hypo	CG	-0.3037
Gm11	23429051	23429201	Gmdrm	hypo	CG	-0.125
Gm11	23447573	23447699	Gmdrm	hypo	CG	-0.1437
Gm11	23463246	23463333	Gmdrm	hypo	CG	-0.565
Gm11	23466110	23466190	Gmdrm	hypo	CG	-0.4034
Gm11	23466563	23466664	Gmdrm	hypo	CG	-0.0649
Gm11	23498797	23499781	Gmdrm	hypo	CG	-0.0335
Gm11	23516608	23517254	Gmdrm	hypo	CG	-0.0362
Gm11	23520702	23520832	Gmdrm	hypo	CG	-0.84
Gm11	23536262	23536789	Gmdrm	hypo	CG	-0.1238
Gm11	23560914	23561044	Gmdrm	hypo	CG	-0.538
Gm11	23571000	23571144	Gmdrm	hypo	CG	-0.9533
Gm11	23589054	23589090	Gmdrm	hypo	CG	-0.1183
Gm11	23639637	23639752	Gmdrm	hypo	CG	-0.8517
Gm11	23639897	23640195	Gmdrm	hypo	CG	-0.8311
Gm11	23662487	23662755	Gmdrm	hypo	CG	-0.7966
Gm11	23663277	23663299	Gmdrm	hypo	CG	-0.505
Gm11	23664219	23664237	Gmdrm	hypo	CG	-0.4367
Gm11	23664673	23664711	Gmdrm	hypo	CG	-0.9917
Gm11	23699062	23699127	Gmdrm	hypo	CG	-0.0483
Gm11	23731582	23731690	Gmdrm	hypo	CG	-0.0593
Gm11	23742497	23742559	Gmdrm	hypo	CG	-0.1167
Gm11	23774598	23774976	Gmdrm	hypo	CG	-0.0333
Gm11	23782873	23783010	Gmdrm	hypo	CG	-0.58
Gm11	23842405	23842588	Gmdrm	hypo	CG	-0.548
Gm11	23843072	23843208	Gmdrm	hypo	CG	-0.34
Gm11	23843562	23843717	Gmdrm	hypo	CG	-0.5634
Gm11	23845345	23845559	Gmdrm	hypo	CG	-0.127
Gm11	23846400	23846668	Gmdrm	hypo	CG	-0.5207
Gm11	23847241	23847495	Gmdrm	hypo	CG	-0.7711
Gm11	23871688	23871805	Gmdrm	hypo	CG	-0.5918
Gm11	23883882	23884112	Gmdrm	hypo	CG	-0.1449
Gm11	23884922	23885191	Gmdrm	hypo	CG	-0.0508

Gm11	23885308	23885351	Gmdrm	hypo	CG	-0.615
Gm11	23886106	23886241	Gmdrm	hypo	CG	-0.6167
Gm11	23916033	23916313	Gmdrm	hypo	CG	-0.5445
Gm11	23916539	23916609	Gmdrm	hypo	CG	-0.5216
Gm11	23917563	23917660	Gmdrm	hypo	CG	-0.508
Gm11	23940264	23940291	Gmdrm	hypo	CG	-0.0367
Gm11	23951032	23951322	Gmdrm	hypo	CG	-0.5325
Gm11	23952068	23952189	Gmdrm	hypo	CG	-0.8783
Gm11	23955692	23956001	Gmdrm	hypo	CG	-0.3272
Gm11	23958141	23958253	Gmdrm	hypo	CG	-0.5814
Gm11	23958356	23958565	Gmdrm	hypo	CG	-0.5875
Gm11	24021063	24021175	Gmdrm	hypo	CG	-0.4117
Gm11	24023434	24023779	Gmdrm	hypo	CG	-0.7075
Gm11	24032436	24032444	Gmdrm	hypo	CG	-0.8784
Gm11	24033762	24033828	Gmdrm	hypo	CG	-0.821
Gm11	24034437	24034551	Gmdrm	hypo	CG	-0.095
Gm11	24051758	24051879	Gmdrm	hypo	CG	-0.111
Gm11	24073444	24073551	Gmdrm	hypo	CG	-0.4817
Gm11	24115594	24116056	Gmdrm	hypo	CG	-0.425
Gm11	24116544	24116778	Gmdrm	hypo	CG	-0.2935
Gm11	24117299	24117364	Gmdrm	hypo	CG	-0.3559
Gm11	24118200	24118327	Gmdrm	hypo	CG	-0.8675
Gm11	24122042	24122192	Gmdrm	hypo	CG	-0.432
Gm11	24124774	24125065	Gmdrm	hypo	CG	-0.1875
Gm11	24127588	24127688	Gmdrm	hypo	CG	-0.0987
Gm11	24133404	24133422	Gmdrm	hypo	CG	-0.9537
Gm11	24162230	24162462	Gmdrm	hypo	CG	-0.0514
Gm11	24188339	24188421	Gmdrm	hypo	CG	-0.8667
Gm11	24199026	24199081	Gmdrm	hypo	CG	-0.9587
Gm11	24221267	24221617	Gmdrm	hypo	CG	-0.8678
Gm11	24230438	24230592	Gmdrm	hypo	CG	-0.0583
Gm11	24230838	24230884	Gmdrm	hypo	CG	-0.11
Gm11	24241745	24241791	Gmdrm	hypo	CG	-0.238
Gm11	24241901	24241957	Gmdrm	hypo	CG	-0.735
Gm11	24291016	24291065	Gmdrm	hypo	CG	-0.915
Gm11	24327370	24327700	Gmdrm	hypo	CG	-0.07
Gm11	24362523	24362759	Gmdrm	hypo	CG	-0.9493
Gm11	24372755	24373421	Gmdrm	hypo	CG	-0.025
Gm11	24385385	24385545	Gmdrm	hypo	CG	-0.0362
Gm11	24386762	24386781	Gmdrm	hypo	CG	-0.0463
Gm11	24406037	24406113	Gmdrm	hypo	CG	-0.9383
Gm11	24406504	24406873	Gmdrm	hypo	CG	-0.5371
Gm11	24410871	24411071	Gmdrm	hypo	CG	-0.282
Gm11	24449009	24449201	Gmdrm	hypo	CG	-0.7488
Gm11	24453068	24453418	Gmdrm	hypo	CG	-0.6736
Gm11	24464420	24464554	Gmdrm	hypo	CG	-0.6967

Gm11	24473022	24473222	Gmdrm	hypo	CG	-0.845
Gm11	24474744	24474999	Gmdrm	hypo	CG	-0.9464
Gm11	24475192	24475350	Gmdrm	hypo	CG	-0.91
Gm11	24493606	24493756	Gmdrm	hypo	CG	-0.059
Gm11	24496436	24496957	Gmdrm	hypo	CG	-0.3091
Gm11	24534592	24534883	Gmdrm	hypo	CG	-0.695
Gm11	24551962	24552015	Gmdrm	hypo	CG	-0.5933
Gm11	24560925	24561138	Gmdrm	hypo	CG	-0.595
Gm11	24590223	24590352	Gmdrm	hypo	CG	-0.1267
Gm11	24593659	24594029	Gmdrm	hypo	CG	-0.2819
Gm11	24597876	24598015	Gmdrm	hypo	CG	-0.664
Gm11	24604847	24605041	Gmdrm	hypo	CG	-0.49
Gm11	24613386	24613465	Gmdrm	hypo	CG	-0.6583
Gm11	24613657	24613739	Gmdrm	hypo	CG	-0.4349
Gm11	24623463	24623534	Gmdrm	hypo	CG	-0.965
Gm11	24624050	24624167	Gmdrm	hypo	CG	-0.232
Gm11	24664570	24664778	Gmdrm	hypo	CG	-0.8819
Gm11	24790536	24790942	Gmdrm	hypo	CG	-0.0681
Gm11	24816402	24816647	Gmdrm	hypo	CG	-0.1275
Gm11	25013731	25014236	Gmdrm	hypo	CG	-0.0553
Gm11	25040074	25040260	Gmdrm	hypo	CG	-0.045
Gm11	25086175	25086318	Gmdrm	hypo	CG	-0.6583
Gm11	25111184	25111476	Gmdrm	hypo	CG	-0.047
Gm11	25232510	25232739	Gmdrm	hypo	CG	-0.09
Gm11	25326584	25327102	Gmdrm	hypo	CG	-0.1211
Gm11	25335597	25335622	Gmdrm	hypo	CG	-0.17
Gm11	25383187	25383606	Gmdrm	hypo	CG	-0.0525
Gm11	25456141	25457122	Gmdrm	hypo	CG	-0.0591
Gm11	25471829	25472012	Gmdrm	hypo	CG	-0.0522
Gm11	25514380	25514605	Gmdrm	hypo	CG	-0.0652
Gm11	25569096	25569473	Gmdrm	hypo	CG	-0.0367
Gm11	25667108	25667645	Gmdrm	hypo	CG	-0.0357
Gm11	25710135	25710337	Gmdrm	hypo	CG	-0.08
Gm11	25717661	25717724	Gmdrm	hypo	CG	-0.12
Gm11	25717889	25718577	Gmdrm	hypo	CG	-0.0335
Gm11	25734647	25735080	Gmdrm	hypo	CG	-0.045
Gm11	25770752	25770978	Gmdrm	hypo	CG	-0.454
Gm11	25771097	25771140	Gmdrm	hypo	CG	-0.435
Gm11	25780713	25780817	Gmdrm	hypo	CG	-0.0586
Gm11	25796154	25796207	Gmdrm	hypo	CG	-0.6584
Gm11	25823877	25824095	Gmdrm	hypo	CG	-0.0467
Gm11	25833613	25833717	Gmdrm	hypo	CG	-0.08
Gm11	25932453	25932609	Gmdrm	hypo	CG	-0.083
Gm11	26352812	26353089	Gmdrm	hypo	CG	-0.0285
Gm11	26740571	26741551	Gmdrm	hypo	CG	-0.0161
Gm11	26888185	26888412	Gmdrm	hypo	CG	-0.0545

Gm11	27174227	27175089	Gmdrm	hypo	CG	-0.0447
Gm11	27188649	27188770	Gmdrm	hypo	CG	-0.1
Gm11	27399893	27400683	Gmdrm	hypo	CG	-0.0565
Gm11	27496841	27497430	Gmdrm	hypo	CG	-0.0394
Gm11	27548628	27549536	Gmdrm	hypo	CG	-0.0322
Gm11	27616699	27616884	Gmdrm	hypo	CG	-0.058
Gm11	27684730	27685038	Gmdrm	hypo	CG	-0.0523
Gm11	27685970	27686076	Gmdrm	hypo	CG	-0.4867
Gm11	27688629	27688766	Gmdrm	hypo	CG	-0.34
Gm11	27737348	27737577	Gmdrm	hypo	CG	-0.062
Gm11	27746314	27746731	Gmdrm	hypo	CG	-0.0511
Gm11	27798483	27798761	Gmdrm	hypo	CG	-0.0675
Gm11	27811402	27811572	Gmdrm	hypo	CG	-0.0958
Gm11	27874387	27874765	Gmdrm	hypo	CG	-0.0543
Gm11	28031114	28031261	Gmdrm	hypo	CG	-0.0525
Gm11	28057040	28057190	Gmdrm	hypo	CG	-0.0783
Gm11	28100961	28101207	Gmdrm	hypo	CG	-0.0472
Gm11	28128145	28129144	Gmdrm	hypo	CG	-0.0491
Gm11	28133661	28133885	Gmdrm	hypo	CG	-0.0493
Gm11	28165495	28165526	Gmdrm	hypo	CG	-0.9233
Gm11	28168556	28168649	Gmdrm	hypo	CG	-0.1538
Gm11	28184145	28184849	Gmdrm	hypo	CG	-0.0492
Gm11	28266189	28266340	Gmdrm	hypo	CG	-0.0873
Gm11	28291218	28291440	Gmdrm	hypo	CG	-0.12
Gm11	28301984	28302978	Gmdrm	hypo	CG	-0.022
Gm11	28354119	28354270	Gmdrm	hypo	CG	-0.0836
Gm11	28361912	28362058	Gmdrm	hypo	CG	-0.1867
Gm11	28420593	28421390	Gmdrm	hypo	CG	-0.0414
Gm11	28430133	28430364	Gmdrm	hypo	CG	-0.0967
Gm11	28451876	28451953	Gmdrm	hypo	CG	-0.2
Gm11	28537408	28537574	Gmdrm	hypo	CG	-0.1486
Gm11	28674174	28674784	Gmdrm	hypo	CG	-0.0235
Gm11	28775842	28776544	Gmdrm	hypo	CG	-0.086
Gm11	28813760	28813814	Gmdrm	hypo	CG	-0.176
Gm11	28855508	28855752	Gmdrm	hypo	CG	-0.0586
Gm11	28909704	28909848	Gmdrm	hypo	CG	-0.042
Gm11	28955990	28956990	Gmdrm	hypo	CG	-0.0295
Gm11	28964282	28964297	Gmdrm	hypo	CG	-0.9
Gm11	28988962	28989202	Gmdrm	hypo	CG	-0.0593
Gm11	29225522	29225815	Gmdrm	hypo	CG	-0.0561
Gm11	29352090	29352828	Gmdrm	hypo	CG	-0.0481
Gm11	29382624	29382652	Gmdrm	hypo	CG	-0.5667
Gm11	29383678	29383796	Gmdrm	hypo	CG	-0.795
Gm11	29412342	29412522	Gmdrm	hypo	CG	-0.8286
Gm11	29599953	29600862	Gmdrm	hypo	CG	-0.0396
Gm11	29629481	29629683	Gmdrm	hypo	CG	-0.0503

Gm11	29735980	29736027	Gmdrm	hypo	CG	-0.081
Gm11	29776943	29777556	Gmdrm	hypo	CG	-0.0471
Gm11	29831959	29832399	Gmdrm	hypo	CG	-0.0405
Gm11	29853567	29853712	Gmdrm	hypo	CG	-0.0917
Gm11	29877060	29877110	Gmdrm	hypo	CG	-0.1226
Gm11	29877622	29877688	Gmdrm	hypo	CG	-0.0778
Gm11	29877824	29878622	Gmdrm	hypo	CG	-0.0244
Gm11	29880510	29880588	Gmdrm	hypo	CG	-0.8216
Gm11	29884720	29884923	Gmdrm	hypo	CG	-0.0357
Gm11	29893815	29894055	Gmdrm	hypo	CG	-0.1308
Gm11	29969277	29969647	Gmdrm	hypo	CG	-0.5525
Gm11	29990755	29991216	Gmdrm	hypo	CG	-0.1715
Gm11	29992369	29992515	Gmdrm	hypo	CG	-0.44
Gm11	30052957	30053155	Gmdrm	hypo	CG	-0.0707
Gm11	30059435	30059637	Gmdrm	hypo	CG	-0.1088
Gm11	30168712	30168849	Gmdrm	hypo	CG	-0.06
Gm11	30201702	30201765	Gmdrm	hypo	CG	-0.1957
Gm11	30268145	30268377	Gmdrm	hypo	CG	-0.1519
Gm11	30473631	30473937	Gmdrm	hypo	CG	-0.0551
Gm11	30558450	30558596	Gmdrm	hypo	CG	-0.0264
Gm11	30712430	30712730	Gmdrm	hypo	CG	-0.0607
Gm11	30727368	30727546	Gmdrm	hypo	CG	-0.4425
Gm11	30813517	30813854	Gmdrm	hypo	CG	-0.0547
Gm11	30916412	30916473	Gmdrm	hypo	CG	-0.1475
Gm11	30920093	30920348	Gmdrm	hypo	CG	-0.2075
Gm11	31003504	31003745	Gmdrm	hypo	CG	-0.0573
Gm11	31202586	31202760	Gmdrm	hypo	CG	-0.275
Gm11	31204268	31204389	Gmdrm	hypo	CG	-0.2283
Gm11	31208296	31208733	Gmdrm	hypo	CG	-0.1282
Gm11	31211022	31211187	Gmdrm	hypo	CG	-0.9176
Gm11	31217900	31217970	Gmdrm	hypo	CG	-0.0575
Gm11	31241805	31242135	Gmdrm	hypo	CG	-0.3793
Gm11	31252624	31253002	Gmdrm	hypo	CG	-0.5279
Gm11	31334388	31334526	Gmdrm	hypo	CG	-0.0989
Gm11	31366493	31366679	Gmdrm	hypo	CG	-0.0487
Gm11	31375917	31376097	Gmdrm	hypo	CG	-0.0629
Gm11	31427246	31427377	Gmdrm	hypo	CG	-0.0921
Gm11	31433852	31433926	Gmdrm	hypo	CG	-0.125
Gm11	31512807	31512850	Gmdrm	hypo	CG	-0.065
Gm11	31572916	31573023	Gmdrm	hypo	CG	-0.0913
Gm11	31574359	31574599	Gmdrm	hypo	CG	-0.1887
Gm11	31642887	31643029	Gmdrm	hypo	CG	-0.06
Gm11	31665227	31665273	Gmdrm	hypo	CG	-0.7667
Gm11	31665954	31666020	Gmdrm	hypo	CG	-0.975
Gm11	31696690	31697225	Gmdrm	hypo	CG	-0.0258
Gm11	31733115	31733687	Gmdrm	hypo	CG	-0.0497

Gm11	31758707	31759590	Gmdrm	hypo	CG	-0.0472
Gm11	31773108	31773241	Gmdrm	hypo	CG	-0.0658
Gm11	31809549	31809836	Gmdrm	hypo	CG	-0.0409
Gm11	31818753	31819522	Gmdrm	hypo	CG	-0.0442
Gm11	31822656	31823634	Gmdrm	hypo	CG	-0.023
Gm11	31838194	31838252	Gmdrm	hypo	CG	-0.0283
Gm11	31859046	31859490	Gmdrm	hypo	CG	-0.038
Gm11	31877992	31878301	Gmdrm	hypo	CG	-0.0632
Gm11	31913578	31913659	Gmdrm	hypo	CG	-0.65
Gm11	31936917	31937160	Gmdrm	hypo	CG	-0.7671
Gm11	31946451	31947004	Gmdrm	hypo	CG	-0.0285
Gm11	31975562	31975706	Gmdrm	hypo	CG	-0.1226
Gm11	32001467	32002171	Gmdrm	hypo	CG	-0.0431
Gm11	32074038	32074559	Gmdrm	hypo	CG	-0.0631
Gm11	32087365	32087617	Gmdrm	hypo	CG	-0.8825
Gm11	32105439	32105615	Gmdrm	hypo	CG	-0.584
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Gm11	32128912	32129170	Gmdrm	hypo	CG	-0.0323
Gm11	32138560	32138653	Gmdrm	hypo	CG	-0.3183
Gm11	32146079	32146277	Gmdrm	hypo	CG	-0.0433
Gm11	32153143	32153338	Gmdrm	hypo	CG	-0.706
Gm11	32155572	32155758	Gmdrm	hypo	CG	-0.488
Gm11	32179931	32180110	Gmdrm	hypo	CG	-0.1478
Gm11	32287565	32287719	Gmdrm	hypo	CG	-0.0913
Gm11	32338827	32338983	Gmdrm	hypo	CG	-0.0967
Gm11	32403061	32403401	Gmdrm	hypo	CG	-0.1284
Gm11	32406841	32407323	Gmdrm	hypo	CG	-0.0336
Gm11	32416889	32417258	Gmdrm	hypo	CG	-0.06
Gm11	32485298	32485474	Gmdrm	hypo	CG	-0.0436
Gm11	32531142	32531168	Gmdrm	hypo	CG	-0.9067
Gm11	32588695	32588798	Gmdrm	hypo	CG	-0.8837
Gm11	32615543	32615901	Gmdrm	hypo	CG	-0.3225
Gm11	32621665	32622032	Gmdrm	hypo	CG	-0.1617
Gm11	32626340	32626686	Gmdrm	hypo	CG	-0.4456
Gm11	32662272	32662729	Gmdrm	hypo	CG	-0.044
Gm11	32692444	32692504	Gmdrm	hypo	CG	-0.3435
Gm11	32706357	32706406	Gmdrm	hypo	CG	-0.895
Gm11	32706989	32707494	Gmdrm	hypo	CG	-0.124
Gm11	32710488	32710788	Gmdrm	hypo	CG	-0.5391
Gm11	32732968	32733199	Gmdrm	hypo	CG	-0.0485
Gm11	32765417	32765501	Gmdrm	hypo	CG	-0.0485
Gm11	32770998	32771077	Gmdrm	hypo	CG	-0.1133
Gm11	32815765	32815853	Gmdrm	hypo	CG	-0.9067
Gm11	32816362	32816668	Gmdrm	hypo	CG	-0.5533
Gm11	32818601	32818764	Gmdrm	hypo	CG	-0.4762

Gm11	32820280	32820474	Gmdrm	hypo	CG	-0.104
Gm11	32871820	32871934	Gmdrm	hypo	CG	-0.175
Gm11	32902667	32902740	Gmdrm	hypo	CG	-0.1483
Gm11	32942103	32942530	Gmdrm	hypo	CG	-0.4559
Gm11	32954010	32954414	Gmdrm	hypo	CG	-0.64
Gm11	32959920	32960052	Gmdrm	hypo	CG	-0.7833
Gm11	32960256	32960375	Gmdrm	hypo	CG	-0.8925
Gm11	32965658	32966648	Gmdrm	hypo	CG	-0.027
Gm11	32973286	32973686	Gmdrm	hypo	CG	-0.0363
Gm11	32975057	32975276	Gmdrm	hypo	CG	-0.3211
Gm11	32984621	32985065	Gmdrm	hypo	CG	-0.194
Gm11	32996910	32996942	Gmdrm	hypo	CG	-0.795
Gm11	33035606	33035646	Gmdrm	hypo	CG	-0.1425
Gm11	33078393	33078499	Gmdrm	hypo	CG	-0.475
Gm11	33078946	33079001	Gmdrm	hypo	CG	-0.3567
Gm11	33100714	33100752	Gmdrm	hypo	CG	-0.555
Gm11	33102860	33103059	Gmdrm	hypo	CG	-0.6383
Gm11	33130498	33130593	Gmdrm	hypo	CG	-0.31
Gm11	33176860	33176923	Gmdrm	hypo	CG	-0.7357
Gm11	33196651	33196800	Gmdrm	hypo	CG	-0.826
Gm11	33198214	33198288	Gmdrm	hypo	CG	-0.73
Gm11	33246346	33246510	Gmdrm	hypo	CG	-0.6124
Gm11	33247539	33247657	Gmdrm	hypo	CG	-0.935
Gm11	33248964	33249173	Gmdrm	hypo	CG	-0.0857
Gm11	33251873	33251917	Gmdrm	hypo	CG	-0.5183
Gm11	33254363	33254452	Gmdrm	hypo	CG	-0.4062
Gm11	33259438	33259467	Gmdrm	hypo	CG	-0.7333
Gm11	33260226	33260369	Gmdrm	hypo	CG	-0.61
Gm11	33312573	33312726	Gmdrm	hypo	CG	-0.826
Gm11	33319684	33319736	Gmdrm	hypo	CG	-0.615
Gm11	33320518	33320562	Gmdrm	hypo	CG	-0.9283
Gm11	33321276	33321406	Gmdrm	hypo	CG	-0.078
Gm11	33321651	33321782	Gmdrm	hypo	CG	-0.6587
Gm11	33395852	33395975	Gmdrm	hypo	CG	-0.035
Gm11	33405275	33405417	Gmdrm	hypo	CG	-0.385
Gm11	33405524	33405963	Gmdrm	hypo	CG	-0.4935
Gm11	33406619	33407217	Gmdrm	hypo	CG	-0.3362
Gm11	33409411	33409637	Gmdrm	hypo	CG	-0.1678
Gm11	33490090	33490145	Gmdrm	hypo	CG	-0.0683
Gm11	33499911	33499924	Gmdrm	hypo	CG	-0.058
Gm11	33504090	33504235	Gmdrm	hypo	CG	-0.5687
Gm11	33505061	33505264	Gmdrm	hypo	CG	-0.95
Gm11	33509337	33509374	Gmdrm	hypo	CG	-0.135
Gm11	33514570	33514731	Gmdrm	hypo	CG	-0.3
Gm11	33521080	33521178	Gmdrm	hypo	CG	-0.1057
Gm11	33521307	33521430	Gmdrm	hypo	CG	-0.285

Gm11	33526693	33526813	Gmdrm	hypo	CG	-0.5812
Gm11	33607819	33607910	Gmdrm	hypo	CG	-0.3912
Gm11	33636613	33636746	Gmdrm	hypo	CG	-0.0882
Gm11	33646466	33646565	Gmdrm	hypo	CG	-0.7933
Gm11	33647291	33647331	Gmdrm	hypo	CG	-0.9617
Gm11	33660624	33660706	Gmdrm	hypo	CG	-0.4433
Gm11	33692864	33693085	Gmdrm	hypo	CG	-0.47
Gm11	33697567	33697729	Gmdrm	hypo	CG	-0.9467
Gm11	33697908	33698028	Gmdrm	hypo	CG	-0.915
Gm11	33699992	33700128	Gmdrm	hypo	CG	-0.0625
Gm11	33750199	33750327	Gmdrm	hypo	CG	-0.0514
Gm11	33764266	33765243	Gmdrm	hypo	CG	-0.0465
Gm11	33815901	33816203	Gmdrm	hypo	CG	-0.065
Gm11	33842523	33842606	Gmdrm	hypo	CG	-0.369
Gm11	33849756	33849877	Gmdrm	hypo	CG	-0.3583
Gm11	33918418	33918563	Gmdrm	hypo	CG	-0.044
Gm11	33943245	33943354	Gmdrm	hypo	CG	-0.058
Gm11	33980428	33980546	Gmdrm	hypo	CG	-0.3137
Gm11	33989266	33989593	Gmdrm	hypo	CG	-0.0333
Gm11	33989780	33989920	Gmdrm	hypo	CG	-0.7667
Gm11	33990781	33991215	Gmdrm	hypo	CG	-0.535
Gm11	33994286	33994736	Gmdrm	hypo	CG	-0.4533
Gm11	34023311	34023776	Gmdrm	hypo	CG	-0.3052
Gm11	34033131	34033301	Gmdrm	hypo	CG	-0.0817
Gm11	34096239	34096940	Gmdrm	hypo	CG	-0.049
Gm11	34097703	34098323	Gmdrm	hypo	CG	-0.0426
Gm11	34105181	34105434	Gmdrm	hypo	CG	-0.0417
Gm11	34122313	34122377	Gmdrm	hypo	CG	-0.0567
Gm11	34132940	34133281	Gmdrm	hypo	CG	-0.0328
Gm11	34206801	34207546	Gmdrm	hypo	CG	-0.0397
Gm11	34208007	34208296	Gmdrm	hypo	CG	-0.0667
Gm11	34230480	34230655	Gmdrm	hypo	CG	-0.0844
Gm11	34262502	34263281	Gmdrm	hypo	CG	-0.0274
Gm11	34295167	34295295	Gmdrm	hypo	CG	-0.1787
Gm11	34397285	34397367	Gmdrm	hypo	CG	-0.218
Gm11	34400893	34400921	Gmdrm	hypo	CG	-0.7887
Gm11	34451507	34451630	Gmdrm	hypo	CG	-0.0635
Gm11	34510153	34510521	Gmdrm	hypo	CG	-0.13
Gm11	34534050	34534133	Gmdrm	hypo	CG	-0.0816
Gm11	34662941	34663024	Gmdrm	hypo	CG	-0.6433
Gm11	34820409	34820763	Gmdrm	hypo	CG	-0.0626
Gm11	34825954	34826105	Gmdrm	hypo	CG	-0.0743
Gm11	34911284	34911434	Gmdrm	hypo	CG	-0.108
Gm11	34943390	34943595	Gmdrm	hypo	CG	-0.625
Gm11	34992450	34992723	Gmdrm	hypo	CG	-0.609
Gm11	35070533	35070654	Gmdrm	hypo	CG	-0.8534

Gm11	35071786	35072021	Gmdrm	hypo	CG	-0.135
Gm11	35076463	35076681	Gmdrm	hypo	CG	-0.0619
Gm11	35091635	35091826	Gmdrm	hypo	CG	-0.8178
Gm11	35101470	35101598	Gmdrm	hypo	CG	-0.0371
Gm11	35134594	35134789	Gmdrm	hypo	CG	-0.6724
Gm11	35138977	35139001	Gmdrm	hypo	CG	-0.6599
Gm11	35174903	35174965	Gmdrm	hypo	CG	-0.052
Gm11	35180901	35181223	Gmdrm	hypo	CG	-0.5883
Gm11	35189330	35189643	Gmdrm	hypo	CG	-0.2883
Gm11	35192698	35192768	Gmdrm	hypo	CG	-0.7117
Gm11	35203761	35203865	Gmdrm	hypo	CG	-0.0534
Gm11	35242668	35242991	Gmdrm	hypo	CG	-0.8225
Gm11	35265573	35265597	Gmdrm	hypo	CG	-0.2617
Gm11	35265959	35266010	Gmdrm	hypo	CG	-0.5537
Gm11	35268224	35268348	Gmdrm	hypo	CG	-0.105
Gm11	35279625	35279770	Gmdrm	hypo	CG	-0.04
Gm11	35284951	35285204	Gmdrm	hypo	CG	-0.6072
Gm11	35287230	35287293	Gmdrm	hypo	CG	-0.048
Gm11	35289330	35289465	Gmdrm	hypo	CG	-0.2221
Gm11	35298528	35298714	Gmdrm	hypo	CG	-0.1305
Gm11	35299304	35299434	Gmdrm	hypo	CG	-0.7037
Gm11	35303956	35304042	Gmdrm	hypo	CG	-0.04
Gm11	35313335	35313401	Gmdrm	hypo	CG	-0.6067
Gm11	35314776	35314897	Gmdrm	hypo	CG	-0.2657
Gm11	35315487	35315539	Gmdrm	hypo	CG	-0.16
Gm11	35323173	35323323	Gmdrm	hypo	CG	-0.0322
Gm11	35335175	35335260	Gmdrm	hypo	CG	-0.92
Gm11	35341616	35341757	Gmdrm	hypo	CG	-0.694
Gm11	35345785	35346027	Gmdrm	hypo	CG	-0.84
Gm11	35350797	35351315	Gmdrm	hypo	CG	-0.1389
Gm11	35354345	35354454	Gmdrm	hypo	CG	-0.5411
Gm11	35356118	35356328	Gmdrm	hypo	CG	-0.4555
Gm11	35361003	35361065	Gmdrm	hypo	CG	-0.036
Gm11	35366626	35366768	Gmdrm	hypo	CG	-0.5286
Gm11	35367071	35367220	Gmdrm	hypo	CG	-0.6367
Gm11	35367401	35367512	Gmdrm	hypo	CG	-0.486
Gm11	35378634	35378795	Gmdrm	hypo	CG	-0.025
Gm11	35478571	35478637	Gmdrm	hypo	CG	-0.5967
Gm11	35478755	35478954	Gmdrm	hypo	CG	-0.1775
Gm11	35479061	35479127	Gmdrm	hypo	CG	-0.2417
Gm11	35479280	35479346	Gmdrm	hypo	CG	-0.1288
Gm11	35498749	35498870	Gmdrm	hypo	CG	-0.4817
Gm11	35516435	35516700	Gmdrm	hypo	CG	-0.1195
Gm11	35517589	35517615	Gmdrm	hypo	CG	-0.7538
Gm11	35523125	35523252	Gmdrm	hypo	CG	-0.1986
Gm11	35581501	35581640	Gmdrm	hypo	CG	-0.095

Gm11	35595824	35596156	Gmdrm	hypo	CG	-0.3255
Gm11	35603041	35603414	Gmdrm	hypo	CG	-0.0555
Gm11	35612306	35612544	Gmdrm	hypo	CG	-0.0542
Gm11	35623812	35623873	Gmdrm	hypo	CG	-0.855
Gm11	35626047	35626091	Gmdrm	hypo	CG	-0.705
Gm11	35626196	35626255	Gmdrm	hypo	CG	-0.8088
Gm11	35639626	35639891	Gmdrm	hypo	CG	-0.1428
Gm11	35646087	35646479	Gmdrm	hypo	CG	-0.8789
Gm11	35686009	35686031	Gmdrm	hypo	CG	-0.8167
Gm11	35690920	35691256	Gmdrm	hypo	CG	-0.0676
Gm11	35736322	35736397	Gmdrm	hypo	CG	-0.3887
Gm11	35771869	35771943	Gmdrm	hypo	CG	-0.8989
Gm11	35772081	35772169	Gmdrm	hypo	CG	-0.5637
Gm11	35772271	35772346	Gmdrm	hypo	CG	-0.735
Gm11	35774265	35774394	Gmdrm	hypo	CG	-0.6883
Gm11	35774518	35774619	Gmdrm	hypo	CG	-0.1862
Gm11	35786253	35786625	Gmdrm	hypo	CG	-0.1455
Gm11	35815280	35815419	Gmdrm	hypo	CG	-0.8017
Gm11	35845192	35845441	Gmdrm	hypo	CG	-0.8041
Gm11	35862585	35862674	Gmdrm	hypo	CG	-0.113
Gm11	35876024	35876209	Gmdrm	hypo	CG	-0.9438
Gm11	35878786	35879524	Gmdrm	hypo	CG	-0.3032
Gm11	35904409	35904521	Gmdrm	hypo	CG	-0.9475
Gm11	35909556	35909688	Gmdrm	hypo	CG	-0.6267
Gm11	35929134	35929289	Gmdrm	hypo	CG	-0.109
Gm11	35929408	35929578	Gmdrm	hypo	CG	-0.915
Gm11	35936986	35937038	Gmdrm	hypo	CG	-0.3325
Gm11	35943225	35943355	Gmdrm	hypo	CG	-0.635
Gm11	35950923	35951057	Gmdrm	hypo	CG	-0.3883
Gm11	35952337	35952412	Gmdrm	hypo	CG	-0.054
Gm11	35953760	35953880	Gmdrm	hypo	CG	-0.9216
Gm11	35954014	35954073	Gmdrm	hypo	CG	-0.8708
Gm11	35955860	35956194	Gmdrm	hypo	CG	-0.08
Gm11	35961692	35961754	Gmdrm	hypo	CG	-0.285
Gm11	35961915	35962055	Gmdrm	hypo	CG	-0.1261
Gm11	35975032	35975215	Gmdrm	hypo	CG	-0.4463
Gm11	35983528	35983598	Gmdrm	hypo	CG	-0.0388
Gm11	36026102	36026421	Gmdrm	hypo	CG	-0.4786
Gm11	36032863	36033180	Gmdrm	hypo	CG	-0.1534
Gm11	36039629	36039881	Gmdrm	hypo	CG	-0.59
Gm11	36054358	36054623	Gmdrm	hypo	CG	-0.7256
Gm11	36077830	36078041	Gmdrm	hypo	CG	-0.8664
Gm11	36081482	36081703	Gmdrm	hypo	CG	-0.4862
Gm11	36083682	36083963	Gmdrm	hypo	CG	-0.3838
Gm11	36086764	36086932	Gmdrm	hypo	CG	-0.1854
Gm11	36088804	36089004	Gmdrm	hypo	CG	-0.38

Gm11	36090919	36091076	Gmdrm	hypo	CG	-0.4013
Gm11	36097205	36097382	Gmdrm	hypo	CG	-0.491
Gm11	36097529	36097711	Gmdrm	hypo	CG	-0.8691
Gm11	36106996	36107058	Gmdrm	hypo	CG	-0.935
Gm11	36143979	36144109	Gmdrm	hypo	CG	-0.053
Gm11	36170812	36171006	Gmdrm	hypo	CG	-0.75
Gm11	36203247	36203543	Gmdrm	hypo	CG	-0.0714
Gm11	36210444	36210859	Gmdrm	hypo	CG	-0.0379
Gm11	36211006	36211249	Gmdrm	hypo	CG	-0.46
Gm11	36232526	36232674	Gmdrm	hypo	CG	-0.168
Gm11	36234375	36234440	Gmdrm	hypo	CG	-0.7284
Gm11	36236624	36236880	Gmdrm	hypo	CG	-0.2747
Gm11	36237237	36237314	Gmdrm	hypo	CG	-0.8217
Gm11	36258194	36258362	Gmdrm	hypo	CG	-0.9063
Gm11	36258511	36258756	Gmdrm	hypo	CG	-0.4543
Gm11	36260919	36261239	Gmdrm	hypo	CG	-0.654
Gm11	36267095	36267164	Gmdrm	hypo	CG	-0.755
Gm11	36281510	36281623	Gmdrm	hypo	CG	-0.314
Gm11	36331860	36332009	Gmdrm	hypo	CG	-0.7033
Gm11	36332567	36332689	Gmdrm	hypo	CG	-0.2325
Gm11	36336243	36336368	Gmdrm	hypo	CG	-0.9441
Gm11	36336612	36336703	Gmdrm	hypo	CG	-0.7038
Gm11	36353512	36353644	Gmdrm	hypo	CG	-0.4343
Gm11	36375778	36375906	Gmdrm	hypo	CG	-0.5674
Gm11	36376046	36376160	Gmdrm	hypo	CG	-0.61
Gm11	36378414	36378610	Gmdrm	hypo	CG	-0.6914
Gm11	36380392	36380613	Gmdrm	hypo	CG	-0.3713
Gm11	36380766	36380948	Gmdrm	hypo	CG	-0.5017
Gm11	36393185	36393322	Gmdrm	hypo	CG	-0.3633
Gm11	36395773	36395923	Gmdrm	hypo	CG	-0.8217
Gm11	36396028	36396068	Gmdrm	hypo	CG	-0.3367
Gm11	36416011	36416049	Gmdrm	hypo	CG	-0.41
Gm11	36416270	36416634	Gmdrm	hypo	CG	-0.7758
Gm11	36448638	36448888	Gmdrm	hypo	CG	-0.8387
Gm11	36451519	36451560	Gmdrm	hypo	CG	-0.2766
Gm11	36474721	36474875	Gmdrm	hypo	CG	-0.122
Gm11	36491284	36491470	Gmdrm	hypo	CG	-0.9569
Gm11	36492022	36492076	Gmdrm	hypo	CG	-0.3383
Gm11	36492204	36492247	Gmdrm	hypo	CG	-0.5888
Gm11	36493030	36493069	Gmdrm	hypo	CG	-0.7212
Gm11	36520488	36520580	Gmdrm	hypo	CG	-0.921
Gm11	36521740	36521931	Gmdrm	hypo	CG	-0.51
Gm11	36530217	36530377	Gmdrm	hypo	CG	-0.0978
Gm11	36530767	36530872	Gmdrm	hypo	CG	-0.3301
Gm11	36539456	36539663	Gmdrm	hypo	CG	-0.2367
Gm11	36539804	36539837	Gmdrm	hypo	CG	-0.445

Gm11	36548080	36548203	Gmdrm	hypo	CG	-0.0425
Gm11	36561569	36561816	Gmdrm	hypo	CG	-0.3143
Gm11	36562247	36562364	Gmdrm	hypo	CG	-0.5887
Gm11	36588484	36588754	Gmdrm	hypo	CG	-0.1628
Gm11	36589911	36589941	Gmdrm	hypo	CG	-0.8734
Gm11	36596628	36596891	Gmdrm	hypo	CG	-0.045
Gm11	36600161	36600286	Gmdrm	hypo	CG	-0.699
Gm11	36600680	36601033	Gmdrm	hypo	CG	-0.4996
Gm11	36614405	36614545	Gmdrm	hypo	CG	-0.4477
Gm11	36617174	36617208	Gmdrm	hypo	CG	-0.76
Gm11	36633166	36633349	Gmdrm	hypo	CG	-0.8562
Gm11	36663935	36664301	Gmdrm	hypo	CG	-0.698
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Gm11	36670796	36670881	Gmdrm	hypo	CG	-0.1687
Gm11	36671488	36671614	Gmdrm	hypo	CG	-0.2076
Gm11	36680084	36680416	Gmdrm	hypo	CG	-0.7186
Gm11	36692787	36692950	Gmdrm	hypo	CG	-0.8812
Gm11	36715232	36715290	Gmdrm	hypo	CG	-0.92
Gm11	36723747	36724109	Gmdrm	hypo	CG	-0.7631
Gm11	36725430	36725533	Gmdrm	hypo	CG	-0.5175
Gm11	36735138	36735252	Gmdrm	hypo	CG	-0.9408
Gm11	36739080	36739328	Gmdrm	hypo	CG	-0.6372
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Gm11	36752534	36752651	Gmdrm	hypo	CG	-0.2387
Gm11	36765656	36765846	Gmdrm	hypo	CG	-0.4355
Gm11	36830912	36830941	Gmdrm	hypo	CG	-0.7366
Gm11	36845340	36845473	Gmdrm	hypo	CG	-0.49
Gm11	36868112	36868595	Gmdrm	hypo	CG	-0.2337
Gm11	36902922	36903063	Gmdrm	hypo	CG	-0.9321
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Gm11	36911839	36912340	Gmdrm	hypo	CG	-0.0395
Gm11	36932054	36932173	Gmdrm	hypo	CG	-0.823
Gm11	36949170	36949446	Gmdrm	hypo	CG	-0.6836
Gm11	36956390	36956546	Gmdrm	hypo	CG	-0.9108
Gm11	36957348	36957389	Gmdrm	hypo	CG	-0.888
Gm11	36957659	36957730	Gmdrm	hypo	CG	-0.7425
Gm11	36957833	36957853	Gmdrm	hypo	CG	-0.9762
Gm11	36980354	36980559	Gmdrm	hypo	CG	-0.046
Gm11	36981126	36981349	Gmdrm	hypo	CG	-0.6079
Gm11	36985444	36985553	Gmdrm	hypo	CG	-0.7066
Gm11	36985668	36985824	Gmdrm	hypo	CG	-0.7333
Gm11	36994443	36994525	Gmdrm	hypo	CG	-0.9374
Gm11	36999285	36999401	Gmdrm	hypo	CG	-0.9216
Gm11	37016454	37016773	Gmdrm	hypo	CG	-0.0337
Gm11	37031963	37031976	Gmdrm	hypo	CG	-0.9434

Gm11	37051387	37051714	Gmdrm	hypo	CG	-0.7247
Gm11	37052078	37052095	Gmdrm	hypo	CG	-0.56
Gm11	37056168	37056192	Gmdrm	hypo	CG	-0.745
Gm11	37071013	37071315	Gmdrm	hypo	CG	-0.598
Gm11	37071914	37072098	Gmdrm	hypo	CG	-0.235
Gm11	37094557	37094670	Gmdrm	hypo	CG	-0.835
Gm11	37102705	37102733	Gmdrm	hypo	CG	-0.665
Gm11	37102835	37103070	Gmdrm	hypo	CG	-0.3971
Gm11	37122844	37123137	Gmdrm	hypo	CG	-0.7354
Gm11	37123864	37123988	Gmdrm	hypo	CG	-0.0517
Gm11	37124311	37124432	Gmdrm	hypo	CG	-0.7729
Gm11	37131838	37132053	Gmdrm	hypo	CG	-0.29
Gm11	37142256	37142687	Gmdrm	hypo	CG	-0.518
Gm11	37177760	37177912	Gmdrm	hypo	CG	-0.685
Gm11	37187514	37187640	Gmdrm	hypo	CG	-0.5528
Gm11	37188456	37188618	Gmdrm	hypo	CG	-0.0988
Gm11	37189316	37189812	Gmdrm	hypo	CG	-0.026
Gm11	37211838	37212126	Gmdrm	hypo	CG	-0.4578
Gm11	37213730	37213822	Gmdrm	hypo	CG	-0.258
Gm11	37214270	37214458	Gmdrm	hypo	CG	-0.1212
Gm11	37220654	37221584	Gmdrm	hypo	CG	-0.1282
Gm11	37234076	37234172	Gmdrm	hypo	CG	-0.0583
Gm11	37243881	37243973	Gmdrm	hypo	CG	-0.7112
Gm11	37244157	37244413	Gmdrm	hypo	CG	-0.6225
Gm11	37244761	37244881	Gmdrm	hypo	CG	-0.8512
Gm11	37244995	37245144	Gmdrm	hypo	CG	-0.8375
Gm11	37245587	37245640	Gmdrm	hypo	CG	-0.9483
Gm11	37246362	37246552	Gmdrm	hypo	CG	-0.174
Gm11	37247198	37247485	Gmdrm	hypo	CG	-0.7112
Gm11	37247680	37247802	Gmdrm	hypo	CG	-0.885
Gm11	37248856	37248903	Gmdrm	hypo	CG	-0.164
Gm11	37256568	37256718	Gmdrm	hypo	CG	-0.5338
Gm11	37256824	37257008	Gmdrm	hypo	CG	-0.557
Gm11	37296752	37296878	Gmdrm	hypo	CG	-0.8237
Gm11	37297354	37297993	Gmdrm	hypo	CG	-0.0862
Gm11	37300202	37300321	Gmdrm	hypo	CG	-0.7467
Gm11	37301345	37301572	Gmdrm	hypo	CG	-0.5414
Gm11	37305808	37305888	Gmdrm	hypo	CG	-0.1099
Gm11	37306039	37306105	Gmdrm	hypo	CG	-0.075
Gm11	37314169	37314399	Gmdrm	hypo	CG	-0.285
Gm11	37323562	37323602	Gmdrm	hypo	CG	-0.5484
Gm11	37335404	37335570	Gmdrm	hypo	CG	-0.6967
Gm11	37353637	37353724	Gmdrm	hypo	CG	-0.6629
Gm11	37356814	37356868	Gmdrm	hypo	CG	-0.042
Gm11	37358752	37359102	Gmdrm	hypo	CG	-0.88
Gm11	37360008	37360063	Gmdrm	hypo	CG	-0.7133

Gm11	37360831	37360934	Gmdrm	hypo	CG	-0.618
Gm11	37367095	37367188	Gmdrm	hypo	CG	-0.2738
Gm11	37369140	37369182	Gmdrm	hypo	CG	-0.5566
Gm11	37375325	37375473	Gmdrm	hypo	CG	-0.252
Gm11	37375805	37376299	Gmdrm	hypo	CG	-0.1425
Gm11	37385842	37385998	Gmdrm	hypo	CG	-0.562
Gm11	37400346	37400478	Gmdrm	hypo	CG	-0.29
Gm11	37400650	37400669	Gmdrm	hypo	CG	-0.9467
Gm11	37400871	37401091	Gmdrm	hypo	CG	-0.762
Gm11	37402666	37402695	Gmdrm	hypo	CG	-0.776
Gm11	37408126	37408196	Gmdrm	hypo	CG	-0.123
Gm11	37446838	37447034	Gmdrm	hypo	CG	-0.3241
Gm11	37451830	37452096	Gmdrm	hypo	CG	-0.0531
Gm11	37481428	37481612	Gmdrm	hypo	CG	-0.126
Gm11	37514293	37514635	Gmdrm	hypo	CG	-0.3398
Gm11	37514884	37515320	Gmdrm	hypo	CG	-0.0912
Gm11	37530265	37530361	Gmdrm	hypo	CG	-0.83
Gm11	37538698	37538804	Gmdrm	hypo	CG	-0.9474
Gm11	37569209	37569440	Gmdrm	hypo	CG	-0.747
Gm11	37578406	37578614	Gmdrm	hypo	CG	-0.0275
Gm11	37578854	37579005	Gmdrm	hypo	CG	-0.6237
Gm11	37583035	37583066	Gmdrm	hypo	CG	-0.9733
Gm11	37583501	37583564	Gmdrm	hypo	CG	-0.4828
Gm11	37587918	37588334	Gmdrm	hypo	CG	-0.7525
Gm11	37588447	37588662	Gmdrm	hypo	CG	-0.7675
Gm11	37636927	37636986	Gmdrm	hypo	CG	-0.6933
Gm11	37655976	37656352	Gmdrm	hypo	CG	-0.4246
Gm11	37687712	37688211	Gmdrm	hypo	CG	-0.3748
Gm11	37694481	37694522	Gmdrm	hypo	CG	-0.8634
Gm11	37716001	37716178	Gmdrm	hypo	CG	-0.7003
Gm11	37716491	37716577	Gmdrm	hypo	CG	-0.7464
Gm11	37740759	37740929	Gmdrm	hypo	CG	-0.4458
Gm11	37741474	37741624	Gmdrm	hypo	CG	-0.85
Gm11	37755334	37755405	Gmdrm	hypo	CG	-0.39
Gm11	37766743	37766845	Gmdrm	hypo	CG	-0.9234
Gm11	37774831	37775166	Gmdrm	hypo	CG	-0.7925
Gm11	37787779	37788063	Gmdrm	hypo	CG	-0.3525
Gm11	37797051	37797650	Gmdrm	hypo	CG	-0.1172
Gm11	37797940	37798130	Gmdrm	hypo	CG	-0.343
Gm11	37814425	37814669	Gmdrm	hypo	CG	-0.865
Gm11	37814921	37815038	Gmdrm	hypo	CG	-0.756
Gm11	37815147	37815185	Gmdrm	hypo	CG	-0.965
Gm11	37825158	37825311	Gmdrm	hypo	CG	-0.024
Gm11	37835013	37835360	Gmdrm	hypo	CG	-0.5935
Gm11	37845949	37846381	Gmdrm	hypo	CG	-0.8758
Gm11	37858680	37858732	Gmdrm	hypo	CG	-0.915

Gm11	37861087	37861303	Gmdrm	hypo	CG	-0.2985
Gm11	37901061	37901131	Gmdrm	hypo	CG	-0.7457
Gm11	37901256	37901387	Gmdrm	hypo	CG	-0.645
Gm11	37932796	37932928	Gmdrm	hypo	CG	-0.0537
Gm11	37943516	37943636	Gmdrm	hypo	CG	-0.7537
Gm11	37954067	37954195	Gmdrm	hypo	CG	-0.9014
Gm11	37975138	37975437	Gmdrm	hypo	CG	-0.0983
Gm11	37975607	37975641	Gmdrm	hypo	CG	-0.19
Gm11	37977025	37977104	Gmdrm	hypo	CG	-0.855
Gm11	38000284	38000427	Gmdrm	hypo	CG	-0.794
Gm11	38007756	38007956	Gmdrm	hypo	CG	-0.9055
Gm11	38045830	38045983	Gmdrm	hypo	CG	-0.355
Gm11	38046537	38046754	Gmdrm	hypo	CG	-0.0869
Gm11	38054892	38054948	Gmdrm	hypo	CG	-0.9033
Gm11	38073971	38074469	Gmdrm	hypo	CG	-0.2435
Gm11	38075828	38075973	Gmdrm	hypo	CG	-0.92
Gm11	38076968	38077082	Gmdrm	hypo	CG	-0.6717
Gm11	38108631	38109080	Gmdrm	hypo	CG	-0.0413
Gm11	38112403	38112658	Gmdrm	hypo	CG	-0.4342
Gm11	38114769	38115049	Gmdrm	hypo	CG	-0.8688
Gm11	38115363	38115461	Gmdrm	hypo	CG	-0.9383
Gm11	38115618	38115758	Gmdrm	hypo	CG	-0.8584
Gm11	38135834	38135932	Gmdrm	hypo	CG	-0.5986
Gm11	38142582	38143023	Gmdrm	hypo	CG	-0.5454
Gm11	38165175	38165341	Gmdrm	hypo	CG	-0.4437
Gm11	38165926	38166062	Gmdrm	hypo	CG	-0.527
Gm11	38166201	38166320	Gmdrm	hypo	CG	-0.5116
Gm11	38178023	38178072	Gmdrm	hypo	CG	-0.5
Gm11	38188323	38188542	Gmdrm	hypo	CG	-0.8687
Gm11	38191934	38192083	Gmdrm	hypo	CG	-0.05
Gm11	38232571	38232745	Gmdrm	hypo	CG	-0.52
Gm11	38237187	38237414	Gmdrm	hypo	CG	-0.4694
Gm11	38244394	38244526	Gmdrm	hypo	CG	-0.73
Gm11	38244711	38244843	Gmdrm	hypo	CG	-0.9367
Gm11	38288490	38288607	Gmdrm	hypo	CG	-0.8517
Gm11	38289414	38289857	Gmdrm	hypo	CG	-0.2448
Gm11	38301069	38301379	Gmdrm	hypo	CG	-0.8927
Gm11	38360030	38360093	Gmdrm	hypo	CG	-0.1226
Gm11	38360216	38360347	Gmdrm	hypo	CG	-0.2112
Gm11	38367172	38367250	Gmdrm	hypo	CG	-0.0633
Gm11	38372687	38372839	Gmdrm	hypo	CG	-0.4811
Gm11	38372942	38373427	Gmdrm	hypo	CG	-0.4186
Gm11	38376130	38376205	Gmdrm	hypo	CG	-0.03
Gm11	38401168	38401542	Gmdrm	hypo	CG	-0.21
Gm11	38442079	38442236	Gmdrm	hypo	CG	-0.5508
Gm11	38448751	38448843	Gmdrm	hypo	CG	-0.4512

Gm11	38455402	38455903	Gmdrm	hypo	CG	-0.2388
Gm11	38456733	38456787	Gmdrm	hypo	CG	-0.1763
Gm11	38457262	38457350	Gmdrm	hypo	CG	-0.2475
Gm11	38461809	38462306	Gmdrm	hypo	CG	-0.282
Gm11	38463178	38463376	Gmdrm	hypo	CG	-0.8647
Gm11	38469816	38469958	Gmdrm	hypo	CG	-0.361
Gm11	38472025	38472053	Gmdrm	hypo	CG	-0.3717
Gm11	38483834	38484040	Gmdrm	hypo	CG	-0.0663
Gm11	38489051	38489147	Gmdrm	hypo	CG	-0.046
Gm11	38505204	38505588	Gmdrm	hypo	CG	-0.49
Gm11	38522544	38522768	Gmdrm	hypo	CG	-0.8565
Gm11	38523130	38523264	Gmdrm	hypo	CG	-0.6816
Gm11	38528680	38529156	Gmdrm	hypo	CG	-0.7922
Gm11	38541055	38541357	Gmdrm	hypo	CG	-0.5755
Gm11	38542055	38542144	Gmdrm	hypo	CG	-0.1375
Gm11	38549079	38549333	Gmdrm	hypo	CG	-0.907
Gm11	38549752	38549817	Gmdrm	hypo	CG	-0.862
Gm11	38561837	38562117	Gmdrm	hypo	CG	-0.4201
Gm11	38581988	38582648	Gmdrm	hypo	CG	-0.2694
Gm11	38618132	38618702	Gmdrm	hypo	CG	-0.1435
Gm11	38621932	38622033	Gmdrm	hypo	CG	-0.8983
Gm11	38622149	38622428	Gmdrm	hypo	CG	-0.8936
Gm11	38636620	38636707	Gmdrm	hypo	CG	-0.675
Gm11	38637825	38637893	Gmdrm	hypo	CG	-0.7867
Gm11	38649836	38649935	Gmdrm	hypo	CG	-0.538
Gm11	38668896	38668912	Gmdrm	hypo	CG	-0.295
Gm11	38669021	38669055	Gmdrm	hypo	CG	-0.9484
Gm11	38669513	38669644	Gmdrm	hypo	CG	-0.8484
Gm11	38673765	38673938	Gmdrm	hypo	CG	-0.532
Gm11	38719004	38719047	Gmdrm	hypo	CG	-0.075
Gm11	38719177	38719579	Gmdrm	hypo	CG	-0.0288
Gm11	38742835	38742981	Gmdrm	hypo	CG	-0.9463
Gm11	38744351	38744430	Gmdrm	hypo	CG	-0.4883
Gm11	38745504	38745619	Gmdrm	hypo	CG	-0.6183
Gm11	38746062	38746272	Gmdrm	hypo	CG	-0.6175
Gm11	38748339	38748436	Gmdrm	hypo	CG	-0.923
Gm11	38762238	38762404	Gmdrm	hypo	CG	-0.031
Gm11	38826770	38826973	Gmdrm	hypo	CG	-0.6662
Gm11	38831782	38831809	Gmdrm	hypo	CG	-0.3034
Gm11	38867916	38868059	Gmdrm	hypo	CG	-0.935
Gm11	38868524	38868623	Gmdrm	hypo	CG	-0.94
Gm11	38868979	38869006	Gmdrm	hypo	CG	-0.93
Gm11	38902830	38902971	Gmdrm	hypo	CG	-0.8521
Gm11	38906216	38906311	Gmdrm	hypo	CG	-0.74
Gm11	38941613	38941818	Gmdrm	hypo	CG	-0.506
Gm11	38943247	38943359	Gmdrm	hypo	CG	-0.138

Gm11	39009429	39009552	Gmdrm	hypo	CG	-0.9487
Gm11	39009857	39009958	Gmdrm	hypo	CG	-0.7425
Gm11	39010184	39010705	Gmdrm	hypo	CG	-0.5884
Gm11	39026451	39026644	Gmdrm	hypo	CG	-0.7922
Gm11	39046789	39046959	Gmdrm	hypo	CG	-0.4699
Gm11	39069782	39069902	Gmdrm	hypo	CG	-0.5816
Gm11	39115832	39116009	Gmdrm	hypo	CG	-0.3387
Gm11	39117509	39117715	Gmdrm	hypo	CG	-0.0894
Gm11	39123039	39123137	Gmdrm	hypo	CG	-0.662
Gm11	39148219	39148257	Gmdrm	hypo	CG	-0.2167
Gm11	39148408	39148661	Gmdrm	hypo	CG	-0.2972
Gm11	39166040	39166114	Gmdrm	hypo	CG	-0.9717
Gm11	39170079	39170143	Gmdrm	hypo	CG	-0.5525
Gm11	39170483	39170540	Gmdrm	hypo	CG	-0.7151
Gm11	39171953	39172685	Gmdrm	hypo	CG	-0.1404
Gm11	39216448	39216518	Gmdrm	hypo	CG	-0.7767
Gm11	39216661	39216766	Gmdrm	hypo	CG	-0.94
Gm11	39226094	39226189	Gmdrm	hypo	CG	-0.0367
Gm11	39259871	39259937	Gmdrm	hypo	CG	-0.7867
Gm11	39276516	39276556	Gmdrm	hypo	CG	-0.0767
Gm11	39279102	39279234	Gmdrm	hypo	CG	-0.5775
Gm11	39279472	39279596	Gmdrm	hypo	CG	-0.7363
Gm11	39279713	39279931	Gmdrm	hypo	CG	-0.9073
Gm11	39287314	39287377	Gmdrm	hypo	CG	-0.9324
Gm11	39288203	39288467	Gmdrm	hypo	CG	-0.2576
Gm11	39448964	39449402	Gmdrm	hypo	CG	-0.0552
Gm11	39460286	39460349	Gmdrm	hypo	CG	-0.475
Gm11	39463364	39463468	Gmdrm	hypo	CG	-0.9133
Gm11	39469726	39469816	Gmdrm	hypo	CG	-0.3183
Gm11	39470222	39470409	Gmdrm	hypo	CG	-0.3878
Gm11	39487353	39487429	Gmdrm	hypo	CG	-0.9417
Gm11	39487565	39487589	Gmdrm	hypo	CG	-0.915
Gm11	39501823	39502039	Gmdrm	hypo	CG	-0.1975
Gm11	39502165	39502256	Gmdrm	hypo	CG	-0.4016
Gm11	39502502	39502574	Gmdrm	hypo	CG	-0.604
Gm11	39527327	39527371	Gmdrm	hypo	CG	-0.925
Gm11	39532668	39532980	Gmdrm	hypo	CG	-0.0507
Gm11	39627237	39627573	Gmdrm	hypo	CG	-0.4888
Gm11	39628371	39628633	Gmdrm	hypo	CG	-0.4907
Gm11_scaffo	13592	13699	Gmdrm	hypo	CG	-0.1211
Gm11_scaffo	24537	24685	Gmdrm	hypo	CG	-0.9334
Gm11_scaffo	30676	30724	Gmdrm	hypo	CG	-0.9216
Gm11_scaffo	31174	31239	Gmdrm	hypo	CG	-0.84
Gm11_scaffo	34074	34166	Gmdrm	hypo	CG	-0.71
Gm11_scaffo	34608	34708	Gmdrm	hypo	CG	-0.9583
Gm11_scaffo	63950	64669	Gmdrm	hypo	CG	-0.4092

Gm11_scaffo	1816	2317	Gmdrm	hypo	CG	-0.5518
Gm11_scaffo	23755	24013	Gmdrm	hypo	CG	-0.5836
Gm11_scaffo	24644	24752	Gmdrm	hypo	CG	-0.76
Gm11_scaffo	25200	25320	Gmdrm	hypo	CG	-0.595
Gm12	45025	45436	Gmdrm	hypo	CG	-0.44
Gm12	45626	45680	Gmdrm	hypo	CG	-0.95
Gm12	45906	46121	Gmdrm	hypo	CG	-0.7642
Gm12	59868	59893	Gmdrm	hypo	CG	-0.8866
Gm12	76443	76506	Gmdrm	hypo	CG	-0.9417
Gm12	77617	77757	Gmdrm	hypo	CG	-0.3275
Gm12	228511	228678	Gmdrm	hypo	CG	-0.6392
Gm12	228783	228828	Gmdrm	hypo	CG	-0.7867
Gm12	234942	235274	Gmdrm	hypo	CG	-0.3227
Gm12	257948	258397	Gmdrm	hypo	CG	-0.2878
Gm12	276782	277053	Gmdrm	hypo	CG	-0.1856
Gm12	277425	277528	Gmdrm	hypo	CG	-0.905
Gm12	288642	288759	Gmdrm	hypo	CG	-0.2067
Gm12	301718	301815	Gmdrm	hypo	CG	-0.0633
Gm12	306244	306702	Gmdrm	hypo	CG	-0.3219
Gm12	320257	320338	Gmdrm	hypo	CG	-0.6274
Gm12	334443	334479	Gmdrm	hypo	CG	-0.6367
Gm12	342601	342636	Gmdrm	hypo	CG	-0.4775
Gm12	343872	344079	Gmdrm	hypo	CG	-0.0467
Gm12	414414	414686	Gmdrm	hypo	CG	-0.066
Gm12	415791	416555	Gmdrm	hypo	CG	-0.8144
Gm12	477307	477480	Gmdrm	hypo	CG	-0.4417
Gm12	491124	491479	Gmdrm	hypo	CG	-0.6018
Gm12	495148	495420	Gmdrm	hypo	CG	-0.2587
Gm12	498316	498376	Gmdrm	hypo	CG	-0.04
Gm12	508378	508396	Gmdrm	hypo	CG	-0.024
Gm12	522619	522743	Gmdrm	hypo	CG	-0.684
Gm12	529432	529634	Gmdrm	hypo	CG	-0.5064
Gm12	533418	533544	Gmdrm	hypo	CG	-0.5575
Gm12	547081	547263	Gmdrm	hypo	CG	-0.054
Gm12	547788	548101	Gmdrm	hypo	CG	-0.5881
Gm12	565973	566282	Gmdrm	hypo	CG	-0.3587
Gm12	630989	631199	Gmdrm	hypo	CG	-0.078
Gm12	708406	708557	Gmdrm	hypo	CG	-0.5927
Gm12	755627	755937	Gmdrm	hypo	CG	-0.4391
Gm12	760808	761201	Gmdrm	hypo	CG	-0.8128
Gm12	762295	762445	Gmdrm	hypo	CG	-0.8494
Gm12	798374	798399	Gmdrm	hypo	CG	-0.8883
Gm12	834319	834554	Gmdrm	hypo	CG	-0.7817
Gm12	938849	939115	Gmdrm	hypo	CG	-0.3457
Gm12	939836	939944	Gmdrm	hypo	CG	-0.185
Gm12	940303	940354	Gmdrm	hypo	CG	-0.8987

Gm12	941916	942209	Gmdrm	hypo	CG	-0.0554
Gm12	973887	973926	Gmdrm	hypo	CG	-0.145
Gm12	990156	990216	Gmdrm	hypo	CG	-0.05
Gm12	1004897	1004991	Gmdrm	hypo	CG	-0.8466
Gm12	1019880	1020121	Gmdrm	hypo	CG	-0.5675
Gm12	1052105	1052191	Gmdrm	hypo	CG	-0.69
Gm12	1059013	1059153	Gmdrm	hypo	CG	-0.84
Gm12	1092304	1092325	Gmdrm	hypo	CG	-0.3417
Gm12	1099803	1099905	Gmdrm	hypo	CG	-0.686
Gm12	1100230	1100471	Gmdrm	hypo	CG	-0.3528
Gm12	1177267	1177427	Gmdrm	hypo	CG	-0.958
Gm12	1178292	1178722	Gmdrm	hypo	CG	-0.8426
Gm12	1203149	1203242	Gmdrm	hypo	CG	-0.6937
Gm12	1213245	1213411	Gmdrm	hypo	CG	-0.038
Gm12	1234603	1234649	Gmdrm	hypo	CG	-0.925
Gm12	1239583	1239808	Gmdrm	hypo	CG	-0.064
Gm12	1263925	1264180	Gmdrm	hypo	CG	-0.4014
Gm12	1277127	1277246	Gmdrm	hypo	CG	-0.898
Gm12	1279829	1280352	Gmdrm	hypo	CG	-0.2275
Gm12	1292149	1292262	Gmdrm	hypo	CG	-0.4325
Gm12	1372542	1372871	Gmdrm	hypo	CG	-0.0457
Gm12	1424943	1425002	Gmdrm	hypo	CG	-0.744
Gm12	1462428	1462614	Gmdrm	hypo	CG	-0.075
Gm12	1484644	1484713	Gmdrm	hypo	CG	-0.8534
Gm12	1485137	1485285	Gmdrm	hypo	CG	-0.3843
Gm12	1490903	1491032	Gmdrm	hypo	CG	-0.6184
Gm12	1525765	1525800	Gmdrm	hypo	CG	-0.955
Gm12	1527177	1527348	Gmdrm	hypo	CG	-0.45
Gm12	1528017	1528113	Gmdrm	hypo	CG	-0.45
Gm12	1578291	1578433	Gmdrm	hypo	CG	-0.0363
Gm12	1589897	1590041	Gmdrm	hypo	CG	-0.616
Gm12	1627481	1627990	Gmdrm	hypo	CG	-0.6282
Gm12	1628898	1629421	Gmdrm	hypo	CG	-0.1988
Gm12	1662474	1662646	Gmdrm	hypo	CG	-0.7136
Gm12	1663013	1663435	Gmdrm	hypo	CG	-0.3995
Gm12	1709480	1709686	Gmdrm	hypo	CG	-0.2106
Gm12	1718582	1718738	Gmdrm	hypo	CG	-0.55
Gm12	1726481	1726721	Gmdrm	hypo	CG	-0.4245
Gm12	1765705	1765805	Gmdrm	hypo	CG	-0.064
Gm12	1766052	1766103	Gmdrm	hypo	CG	-0.518
Gm12	1798634	1798961	Gmdrm	hypo	CG	-0.1805
Gm12	1824106	1824222	Gmdrm	hypo	CG	-0.2193
Gm12	1824509	1824900	Gmdrm	hypo	CG	-0.1297
Gm12	1829572	1829690	Gmdrm	hypo	CG	-0.1468
Gm12	1856185	1856255	Gmdrm	hypo	CG	-0.305
Gm12	1864179	1864278	Gmdrm	hypo	CG	-0.9383

Gm12	1874405	1874545 Gmdrm	hypo	CG	-0.085
Gm12	1885790	1886068 Gmdrm	hypo	CG	-0.7958
Gm12	1903476	1903561 Gmdrm	hypo	CG	-0.4675
Gm12	1905094	1905298 Gmdrm	hypo	CG	-0.8731
Gm12	1905432	1905697 Gmdrm	hypo	CG	-0.78
Gm12	1936927	1937069 Gmdrm	hypo	CG	-0.435
Gm12	1967125	1967273 Gmdrm	hypo	CG	-0.822
Gm12	1978583	1978776 Gmdrm	hypo	CG	-0.7557
Gm12	1980057	1980092 Gmdrm	hypo	CG	-0.92
Gm12	2062040	2062464 Gmdrm	hypo	CG	-0.0509
Gm12	2066799	2067265 Gmdrm	hypo	CG	-0.1676
Gm12	2069442	2069601 Gmdrm	hypo	CG	-0.375
Gm12	2069709	2069804 Gmdrm	hypo	CG	-0.7115
Gm12	2101853	2101885 Gmdrm	hypo	CG	-0.9487
Gm12	2113859	2114024 Gmdrm	hypo	CG	-0.8217
Gm12	2126022	2126200 Gmdrm	hypo	CG	-0.07
Gm12	2141176	2141471 Gmdrm	hypo	CG	-0.1882
Gm12	2186293	2186740 Gmdrm	hypo	CG	-0.0433
Gm12	2221410	2221782 Gmdrm	hypo	CG	-0.85
Gm12	2227614	2227665 Gmdrm	hypo	CG	-0.9274
Gm12	2227793	2228543 Gmdrm	hypo	CG	-0.0878
Gm12	2232341	2232351 Gmdrm	hypo	CG	-0.8333
Gm12	2256766	2257100 Gmdrm	hypo	CG	-0.6456
Gm12	2276180	2276297 Gmdrm	hypo	CG	-0.3243
Gm12	2276668	2276761 Gmdrm	hypo	CG	-0.7575
Gm12	2299271	2299405 Gmdrm	hypo	CG	-0.06
Gm12	2311224	2311380 Gmdrm	hypo	CG	-0.8538
Gm12	2328400	2328595 Gmdrm	hypo	CG	-0.052
Gm12	2329200	2329284 Gmdrm	hypo	CG	-0.8667
Gm12	2344542	2344608 Gmdrm	hypo	CG	-0.875
Gm12	2344909	2345028 Gmdrm	hypo	CG	-0.987
Gm12	2345132	2345261 Gmdrm	hypo	CG	-0.6617
Gm12	2355087	2355168 Gmdrm	hypo	CG	-0.618
Gm12	2368745	2369031 Gmdrm	hypo	CG	-0.0575
Gm12	2376577	2376668 Gmdrm	hypo	CG	-0.899
Gm12	2388704	2388765 Gmdrm	hypo	CG	-0.755
Gm12	2398722	2398953 Gmdrm	hypo	CG	-0.8479
Gm12	2434887	2435183 Gmdrm	hypo	CG	-0.4636
Gm12	2436620	2436700 Gmdrm	hypo	CG	-0.2075
Gm12	2503768	2504019 Gmdrm	hypo	CG	-0.2313
Gm12	2514187	2514362 Gmdrm	hypo	CG	-0.5372
Gm12	2525506	2525824 Gmdrm	hypo	CG	-0.2485
Gm12	2546018	2546156 Gmdrm	hypo	CG	-0.6671
Gm12	2618382	2618430 Gmdrm	hypo	CG	-0.1333
Gm12	2620488	2620702 Gmdrm	hypo	CG	-0.5007
Gm12	2641901	2642208 Gmdrm	hypo	CG	-0.1094

Gm12	2648252	2648367	Gmdrm	hypo	CG	-0.7063
Gm12	2699585	2700309	Gmdrm	hypo	CG	-0.1234
Gm12	2732617	2732800	Gmdrm	hypo	CG	-0.135
Gm12	2733237	2733428	Gmdrm	hypo	CG	-0.0617
Gm12	2772526	2772705	Gmdrm	hypo	CG	-0.6457
Gm12	2788226	2788270	Gmdrm	hypo	CG	-0.8034
Gm12	2829105	2829239	Gmdrm	hypo	CG	-0.25
Gm12	2886198	2886230	Gmdrm	hypo	CG	-0.98
Gm12	2889393	2889521	Gmdrm	hypo	CG	-0.074
Gm12	2895867	2896278	Gmdrm	hypo	CG	-0.035
Gm12	2937295	2937940	Gmdrm	hypo	CG	-0.0991
Gm12	2945388	2945634	Gmdrm	hypo	CG	-0.3854
Gm12	2945941	2946155	Gmdrm	hypo	CG	-0.4264
Gm12	2947399	2947555	Gmdrm	hypo	CG	-0.6091
Gm12	2958096	2958208	Gmdrm	hypo	CG	-0.4737
Gm12	2967844	2968083	Gmdrm	hypo	CG	-0.4374
Gm12	2968187	2968284	Gmdrm	hypo	CG	-0.73
Gm12	2970335	2970389	Gmdrm	hypo	CG	-0.865
Gm12	2970520	2970592	Gmdrm	hypo	CG	-0.617
Gm12	2970857	2970998	Gmdrm	hypo	CG	-0.9063
Gm12	2973199	2973241	Gmdrm	hypo	CG	-0.9583
Gm12	3043864	3043975	Gmdrm	hypo	CG	-0.75
Gm12	3044079	3044132	Gmdrm	hypo	CG	-0.8862
Gm12	3064394	3064609	Gmdrm	hypo	CG	-0.7473
Gm12	3071718	3071864	Gmdrm	hypo	CG	-0.2033
Gm12	3075587	3075634	Gmdrm	hypo	CG	-0.665
Gm12	3106394	3106533	Gmdrm	hypo	CG	-0.7592
Gm12	3106651	3106739	Gmdrm	hypo	CG	-0.9517
Gm12	3111278	3111418	Gmdrm	hypo	CG	-0.3013
Gm12	3112779	3113130	Gmdrm	hypo	CG	-0.2639
Gm12	3139885	3140011	Gmdrm	hypo	CG	-0.5134
Gm12	3141940	3142229	Gmdrm	hypo	CG	-0.9667
Gm12	3158834	3159048	Gmdrm	hypo	CG	-0.4599
Gm12	3159164	3159658	Gmdrm	hypo	CG	-0.2665
Gm12	3243790	3244111	Gmdrm	hypo	CG	-0.9387
Gm12	3246590	3246700	Gmdrm	hypo	CG	-0.79
Gm12	3271341	3271403	Gmdrm	hypo	CG	-0.197
Gm12	3273401	3273490	Gmdrm	hypo	CG	-0.888
Gm12	3274458	3274756	Gmdrm	hypo	CG	-0.2664
Gm12	3285417	3285430	Gmdrm	hypo	CG	-0.4262
Gm12	3285951	3286065	Gmdrm	hypo	CG	-0.2712
Gm12	3286283	3286439	Gmdrm	hypo	CG	-0.096
Gm12	3308007	3308229	Gmdrm	hypo	CG	-0.3454
Gm12	3330538	3330653	Gmdrm	hypo	CG	-0.0886
Gm12	3360714	3360888	Gmdrm	hypo	CG	-0.5
Gm12	3361403	3361499	Gmdrm	hypo	CG	-0.6675

Gm12	3361611	3361780 Gmdrm	hypo	CG	-0.47
Gm12	3363393	3363694 Gmdrm	hypo	CG	-0.7243
Gm12	3384928	3385043 Gmdrm	hypo	CG	-0.4183
Gm12	3393618	3393831 Gmdrm	hypo	CG	-0.032
Gm12	3413875	3413961 Gmdrm	hypo	CG	-0.925
Gm12	3415040	3415371 Gmdrm	hypo	CG	-0.7017
Gm12	3416083	3416652 Gmdrm	hypo	CG	-0.7593
Gm12	3417403	3417509 Gmdrm	hypo	CG	-0.1193
Gm12	3420929	3421194 Gmdrm	hypo	CG	-0.519
Gm12	3441045	3441187 Gmdrm	hypo	CG	-0.907
Gm12	3443105	3443279 Gmdrm	hypo	CG	-0.6584
Gm12	3455890	3456433 Gmdrm	hypo	CG	-0.0841
Gm12	3469779	3469961 Gmdrm	hypo	CG	-0.6325
Gm12	3472093	3472294 Gmdrm	hypo	CG	-0.4409
Gm12	3472545	3472699 Gmdrm	hypo	CG	-0.392
Gm12	3488444	3488585 Gmdrm	hypo	CG	-0.7983
Gm12	3511907	3512611 Gmdrm	hypo	CG	-0.1855
Gm12	3533309	3533444 Gmdrm	hypo	CG	-0.545
Gm12	3547165	3547233 Gmdrm	hypo	CG	-0.255
Gm12	3547774	3547825 Gmdrm	hypo	CG	-0.3275
Gm12	3548109	3548553 Gmdrm	hypo	CG	-0.3635
Gm12	3549550	3549645 Gmdrm	hypo	CG	-0.955
Gm12	3563262	3563635 Gmdrm	hypo	CG	-0.535
Gm12	3566911	3567028 Gmdrm	hypo	CG	-0.9387
Gm12	3582648	3582833 Gmdrm	hypo	CG	-0.3808
Gm12	3582934	3583210 Gmdrm	hypo	CG	-0.5625
Gm12	3616244	3616595 Gmdrm	hypo	CG	-0.842
Gm12	3618124	3618205 Gmdrm	hypo	CG	-0.5363
Gm12	3636348	3636483 Gmdrm	hypo	CG	-0.4312
Gm12	3636989	3637297 Gmdrm	hypo	CG	-0.395
Gm12	3648723	3648826 Gmdrm	hypo	CG	-0.5935
Gm12	3649529	3649801 Gmdrm	hypo	CG	-0.6657
Gm12	3701263	3701346 Gmdrm	hypo	CG	-0.955
Gm12	3714845	3715168 Gmdrm	hypo	CG	-0.2322
Gm12	3718362	3718429 Gmdrm	hypo	CG	-0.9683
Gm12	3730486	3730564 Gmdrm	hypo	CG	-0.7217
Gm12	3730778	3730939 Gmdrm	hypo	CG	-0.9566
Gm12	3731367	3731429 Gmdrm	hypo	CG	-0.9083
Gm12	3738702	3738798 Gmdrm	hypo	CG	-0.2333
Gm12	3761562	3761758 Gmdrm	hypo	CG	-0.4017
Gm12	3808505	3808675 Gmdrm	hypo	CG	-0.654
Gm12	3831903	3832144 Gmdrm	hypo	CG	-0.052
Gm12	3839682	3839899 Gmdrm	hypo	CG	-0.03
Gm12	3859332	3859437 Gmdrm	hypo	CG	-0.6083
Gm12	3859814	3859981 Gmdrm	hypo	CG	-0.0988
Gm12	3879969	3880294 Gmdrm	hypo	CG	-0.1761

Gm12	3976186	3976406 Gmdrm	hypo	CG	-0.4863
Gm12	3993993	3994127 Gmdrm	hypo	CG	-0.955
Gm12	3994430	3994570 Gmdrm	hypo	CG	-0.5462
Gm12	3999226	3999371 Gmdrm	hypo	CG	-0.8337
Gm12	3999813	4000524 Gmdrm	hypo	CG	-0.4204
Gm12	4060385	4060553 Gmdrm	hypo	CG	-0.348
Gm12	4145567	4145764 Gmdrm	hypo	CG	-0.805
Gm12	4169168	4169391 Gmdrm	hypo	CG	-0.51
Gm12	4237282	4237376 Gmdrm	hypo	CG	-0.373
Gm12	4237786	4237916 Gmdrm	hypo	CG	-0.676
Gm12	4260508	4260683 Gmdrm	hypo	CG	-0.86
Gm12	4261717	4261998 Gmdrm	hypo	CG	-0.6791
Gm12	4263573	4263688 Gmdrm	hypo	CG	-0.965
Gm12	4264052	4264233 Gmdrm	hypo	CG	-0.614
Gm12	4267587	4267618 Gmdrm	hypo	CG	-0.4275
Gm12	4284421	4284646 Gmdrm	hypo	CG	-0.4865
Gm12	4298154	4298316 Gmdrm	hypo	CG	-0.4938
Gm12	4306149	4306239 Gmdrm	hypo	CG	-0.9287
Gm12	4308421	4308456 Gmdrm	hypo	CG	-0.0533
Gm12	4312589	4312642 Gmdrm	hypo	CG	-0.5914
Gm12	4327508	4327774 Gmdrm	hypo	CG	-0.0925
Gm12	4327889	4328183 Gmdrm	hypo	CG	-0.7621
Gm12	4352734	4352810 Gmdrm	hypo	CG	-0.172
Gm12	4449180	4449523 Gmdrm	hypo	CG	-0.7725
Gm12	4456113	4456294 Gmdrm	hypo	CG	-0.39
Gm12	4457914	4457938 Gmdrm	hypo	CG	-0.6017
Gm12	4475465	4475562 Gmdrm	hypo	CG	-0.3483
Gm12	4485013	4485180 Gmdrm	hypo	CG	-0.7157
Gm12	4502034	4502126 Gmdrm	hypo	CG	-0.6567
Gm12	4502340	4502652 Gmdrm	hypo	CG	-0.9375
Gm12	4505882	4505916 Gmdrm	hypo	CG	-0.9733
Gm12	4507283	4507390 Gmdrm	hypo	CG	-0.7013
Gm12	4520274	4520344 Gmdrm	hypo	CG	-0.036
Gm12	4537647	4538012 Gmdrm	hypo	CG	-0.0382
Gm12	4561243	4561365 Gmdrm	hypo	CG	-0.23
Gm12	4569152	4569265 Gmdrm	hypo	CG	-0.1292
Gm12	4577333	4577371 Gmdrm	hypo	CG	-0.95
Gm12	4582558	4582988 Gmdrm	hypo	CG	-0.5609
Gm12	4585088	4585264 Gmdrm	hypo	CG	-0.3663
Gm12	4585520	4585545 Gmdrm	hypo	CG	-0.25
Gm12	4603150	4603407 Gmdrm	hypo	CG	-0.759
Gm12	4604492	4604647 Gmdrm	hypo	CG	-0.6172
Gm12	4606571	4606785 Gmdrm	hypo	CG	-0.462
Gm12	4623559	4623791 Gmdrm	hypo	CG	-0.05
Gm12	4654768	4654873 Gmdrm	hypo	CG	-0.95
Gm12	4667207	4667395 Gmdrm	hypo	CG	-0.074

Gm12	4697809	4697957 Gmdrm	hypo	CG	-0.1987
Gm12	4698274	4698413 Gmdrm	hypo	CG	-0.35
Gm12	4713999	4714053 Gmdrm	hypo	CG	-0.9484
Gm12	4720288	4720457 Gmdrm	hypo	CG	-0.8721
Gm12	4721168	4721365 Gmdrm	hypo	CG	-0.1737
Gm12	4721932	4722037 Gmdrm	hypo	CG	-0.0924
Gm12	4724120	4724495 Gmdrm	hypo	CG	-0.6154
Gm12	4738116	4738393 Gmdrm	hypo	CG	-0.0543
Gm12	4768874	4768915 Gmdrm	hypo	CG	-0.688
Gm12	4792191	4792790 Gmdrm	hypo	CG	-0.4929
Gm12	4799320	4799733 Gmdrm	hypo	CG	-0.5994
Gm12	4801167	4801365 Gmdrm	hypo	CG	-0.108
Gm12	4801644	4801900 Gmdrm	hypo	CG	-0.139
Gm12	4834525	4834601 Gmdrm	hypo	CG	-0.6462
Gm12	4836323	4836655 Gmdrm	hypo	CG	-0.4815
Gm12	4900958	4901229 Gmdrm	hypo	CG	-0.1214
Gm12	4905867	4905992 Gmdrm	hypo	CG	-0.0536
Gm12	4907950	4908169 Gmdrm	hypo	CG	-0.8247
Gm12	4929017	4929061 Gmdrm	hypo	CG	-0.5088
Gm12	4936506	4936718 Gmdrm	hypo	CG	-0.5192
Gm12	4944627	4944974 Gmdrm	hypo	CG	-0.0573
Gm12	4950399	4950676 Gmdrm	hypo	CG	-0.5286
Gm12	4950975	4951264 Gmdrm	hypo	CG	-0.7546
Gm12	4960090	4960254 Gmdrm	hypo	CG	-0.7968
Gm12	4971877	4971960 Gmdrm	hypo	CG	-0.04
Gm12	4980277	4980445 Gmdrm	hypo	CG	-0.65
Gm12	4988208	4988372 Gmdrm	hypo	CG	-0.34
Gm12	5015575	5015662 Gmdrm	hypo	CG	-0.185
Gm12	5053936	5054131 Gmdrm	hypo	CG	-0.1567
Gm12	5094211	5094271 Gmdrm	hypo	CG	-0.0625
Gm12	5118735	5118778 Gmdrm	hypo	CG	-0.8462
Gm12	5135893	5135974 Gmdrm	hypo	CG	-0.4687
Gm12	5157148	5157180 Gmdrm	hypo	CG	-0.955
Gm12	5157317	5157704 Gmdrm	hypo	CG	-0.9237
Gm12	5164409	5164790 Gmdrm	hypo	CG	-0.0473
Gm12	5167658	5167850 Gmdrm	hypo	CG	-0.08
Gm12	5186160	5186253 Gmdrm	hypo	CG	-0.572
Gm12	5186433	5186832 Gmdrm	hypo	CG	-0.464
Gm12	5186973	5187088 Gmdrm	hypo	CG	-0.1633
Gm12	5193710	5194310 Gmdrm	hypo	CG	-0.0538
Gm12	5205929	5206056 Gmdrm	hypo	CG	-0.8584
Gm12	5210999	5211009 Gmdrm	hypo	CG	-0.2462
Gm12	5213559	5213584 Gmdrm	hypo	CG	-0.7383
Gm12	5256993	5257086 Gmdrm	hypo	CG	-0.077
Gm12	5272160	5272308 Gmdrm	hypo	CG	-0.415
Gm12	5272429	5272915 Gmdrm	hypo	CG	-0.2733

Gm12	5273396	5273473 Gmdrm	hypo	CG	-0.367
Gm12	5336700	5336996 Gmdrm	hypo	CG	-0.3718
Gm12	5337740	5338675 Gmdrm	hypo	CG	-0.0245
Gm12	5347263	5347539 Gmdrm	hypo	CG	-0.0316
Gm12	5364031	5364181 Gmdrm	hypo	CG	-0.7537
Gm12	5389231	5389274 Gmdrm	hypo	CG	-0.566
Gm12	5389422	5389505 Gmdrm	hypo	CG	-0.678
Gm12	5403769	5404027 Gmdrm	hypo	CG	-0.3313
Gm12	5408927	5409164 Gmdrm	hypo	CG	-0.6618
Gm12	5423378	5423847 Gmdrm	hypo	CG	-0.6363
Gm12	5424063	5424098 Gmdrm	hypo	CG	-0.355
Gm12	5432836	5432915 Gmdrm	hypo	CG	-0.85
Gm12	5433469	5433538 Gmdrm	hypo	CG	-0.53
Gm12	5439178	5439214 Gmdrm	hypo	CG	-0.9267
Gm12	5439348	5439528 Gmdrm	hypo	CG	-0.8062
Gm12	5447238	5447336 Gmdrm	hypo	CG	-0.69
Gm12	5461689	5461796 Gmdrm	hypo	CG	-0.9725
Gm12	5473349	5473622 Gmdrm	hypo	CG	-0.7717
Gm12	5512055	5512414 Gmdrm	hypo	CG	-0.6575
Gm12	5519075	5519289 Gmdrm	hypo	CG	-0.7093
Gm12	5519428	5519489 Gmdrm	hypo	CG	-0.9117
Gm12	5528016	5528218 Gmdrm	hypo	CG	-0.0863
Gm12	5549009	5549242 Gmdrm	hypo	CG	-0.467
Gm12	5552002	5552175 Gmdrm	hypo	CG	-0.7291
Gm12	5565385	5565474 Gmdrm	hypo	CG	-0.81
Gm12	5565978	5566122 Gmdrm	hypo	CG	-0.4775
Gm12	5569493	5569652 Gmdrm	hypo	CG	-0.34
Gm12	5573184	5573260 Gmdrm	hypo	CG	-0.6275
Gm12	5573734	5573785 Gmdrm	hypo	CG	-0.4033
Gm12	5586934	5587164 Gmdrm	hypo	CG	-0.0485
Gm12	5596492	5596632 Gmdrm	hypo	CG	-0.8975
Gm12	5596783	5596886 Gmdrm	hypo	CG	-0.4987
Gm12	5597093	5597260 Gmdrm	hypo	CG	-0.155
Gm12	5601113	5601255 Gmdrm	hypo	CG	-0.39
Gm12	5621276	5621401 Gmdrm	hypo	CG	-0.433
Gm12	5622807	5622863 Gmdrm	hypo	CG	-0.923
Gm12	5648713	5649062 Gmdrm	hypo	CG	-0.135
Gm12	5649392	5649511 Gmdrm	hypo	CG	-0.8666
Gm12	5649613	5649755 Gmdrm	hypo	CG	-0.9675
Gm12	5665347	5665495 Gmdrm	hypo	CG	-0.5364
Gm12	5670209	5670375 Gmdrm	hypo	CG	-0.792
Gm12	5671846	5672190 Gmdrm	hypo	CG	-0.1073
Gm12	5672344	5672461 Gmdrm	hypo	CG	-0.2934
Gm12	5673939	5674175 Gmdrm	hypo	CG	-0.5899
Gm12	5679106	5679251 Gmdrm	hypo	CG	-0.756
Gm12	5679549	5679604 Gmdrm	hypo	CG	-0.9417

Gm12	5679872	5679975 Gmdrm	hypo	CG	-0.465
Gm12	5693852	5694006 Gmdrm	hypo	CG	-0.9089
Gm12	5694307	5694547 Gmdrm	hypo	CG	-0.1612
Gm12	5695615	5695790 Gmdrm	hypo	CG	-0.025
Gm12	5695914	5696228 Gmdrm	hypo	CG	-0.5536
Gm12	5696710	5696775 Gmdrm	hypo	CG	-0.127
Gm12	5698373	5698623 Gmdrm	hypo	CG	-0.0453
Gm12	5718008	5718256 Gmdrm	hypo	CG	-0.3541
Gm12	5718670	5718775 Gmdrm	hypo	CG	-0.2266
Gm12	5722981	5723033 Gmdrm	hypo	CG	-0.925
Gm12	5727101	5727651 Gmdrm	hypo	CG	-0.74
Gm12	5738393	5738616 Gmdrm	hypo	CG	-0.691
Gm12	5767776	5767960 Gmdrm	hypo	CG	-0.881
Gm12	5808693	5808729 Gmdrm	hypo	CG	-0.9417
Gm12	5827482	5827566 Gmdrm	hypo	CG	-0.0322
Gm12	5828662	5828767 Gmdrm	hypo	CG	-0.8576
Gm12	5840923	5841370 Gmdrm	hypo	CG	-0.679
Gm12	5927387	5927536 Gmdrm	hypo	CG	-0.455
Gm12	5929689	5930280 Gmdrm	hypo	CG	-0.3259
Gm12	5937048	5937280 Gmdrm	hypo	CG	-0.8263
Gm12	5939729	5939907 Gmdrm	hypo	CG	-0.1509
Gm12	5940126	5940242 Gmdrm	hypo	CG	-0.1843
Gm12	5941556	5941692 Gmdrm	hypo	CG	-0.8683
Gm12	5952404	5952484 Gmdrm	hypo	CG	-0.038
Gm12	5952727	5953148 Gmdrm	hypo	CG	-0.0511
Gm12	5954116	5954178 Gmdrm	hypo	CG	-0.16
Gm12	5966927	5967191 Gmdrm	hypo	CG	-0.8364
Gm12	5975650	5975699 Gmdrm	hypo	CG	-0.5617
Gm12	5975883	5975893 Gmdrm	hypo	CG	-0.8983
Gm12	6013155	6013344 Gmdrm	hypo	CG	-0.7736
Gm12	6045776	6046186 Gmdrm	hypo	CG	-0.5
Gm12	6058926	6059267 Gmdrm	hypo	CG	-0.8533
Gm12	6061945	6061952 Gmdrm	hypo	CG	-0.8917
Gm12	6067946	6068224 Gmdrm	hypo	CG	-0.6135
Gm12	6069108	6069350 Gmdrm	hypo	CG	-0.8117
Gm12	6070192	6070212 Gmdrm	hypo	CG	-0.555
Gm12	6070393	6070617 Gmdrm	hypo	CG	-0.9256
Gm12	6081962	6082030 Gmdrm	hypo	CG	-0.319
Gm12	6082183	6082237 Gmdrm	hypo	CG	-0.4725
Gm12	6094375	6094486 Gmdrm	hypo	CG	-0.764
Gm12	6100618	6100744 Gmdrm	hypo	CG	-0.625
Gm12	6125344	6125486 Gmdrm	hypo	CG	-0.3162
Gm12	6127469	6127589 Gmdrm	hypo	CG	-0.7213
Gm12	6128137	6128399 Gmdrm	hypo	CG	-0.5933
Gm12	6128523	6128671 Gmdrm	hypo	CG	-0.5743
Gm12	6136617	6136751 Gmdrm	hypo	CG	-0.438

Gm12	6137496	6137554 Gmdrm	hypo	CG	-0.43
Gm12	6147615	6147648 Gmdrm	hypo	CG	-0.815
Gm12	6148007	6148114 Gmdrm	hypo	CG	-0.04
Gm12	6174925	6175063 Gmdrm	hypo	CG	-0.034
Gm12	6187246	6187342 Gmdrm	hypo	CG	-0.9728
Gm12	6194539	6194715 Gmdrm	hypo	CG	-0.54
Gm12	6198521	6198561 Gmdrm	hypo	CG	-0.1383
Gm12	6198911	6199155 Gmdrm	hypo	CG	-0.182
Gm12	6199258	6199430 Gmdrm	hypo	CG	-0.302
Gm12	6211077	6211127 Gmdrm	hypo	CG	-0.8833
Gm12	6227557	6227705 Gmdrm	hypo	CG	-0.663
Gm12	6227909	6228018 Gmdrm	hypo	CG	-0.9567
Gm12	6228206	6228325 Gmdrm	hypo	CG	-0.925
Gm12	6228599	6228649 Gmdrm	hypo	CG	-0.1634
Gm12	6237220	6237256 Gmdrm	hypo	CG	-0.158
Gm12	6240988	6241069 Gmdrm	hypo	CG	-0.7733
Gm12	6241170	6241186 Gmdrm	hypo	CG	-0.5917
Gm12	6241622	6241672 Gmdrm	hypo	CG	-0.4666
Gm12	6251390	6251641 Gmdrm	hypo	CG	-0.23
Gm12	6252598	6253022 Gmdrm	hypo	CG	-0.5642
Gm12	6256243	6256521 Gmdrm	hypo	CG	-0.8279
Gm12	6275758	6275862 Gmdrm	hypo	CG	-0.8637
Gm12	6276143	6276234 Gmdrm	hypo	CG	-0.9433
Gm12	6281458	6281659 Gmdrm	hypo	CG	-0.6886
Gm12	6286517	6286686 Gmdrm	hypo	CG	-0.4075
Gm12	6321217	6321414 Gmdrm	hypo	CG	-0.0562
Gm12	6340095	6340271 Gmdrm	hypo	CG	-0.5342
Gm12	6344668	6344694 Gmdrm	hypo	CG	-0.265
Gm12	6380526	6380672 Gmdrm	hypo	CG	-0.1959
Gm12	6380991	6381024 Gmdrm	hypo	CG	-0.6188
Gm12	6383239	6383535 Gmdrm	hypo	CG	-0.5045
Gm12	6385754	6385879 Gmdrm	hypo	CG	-0.564
Gm12	6398568	6398608 Gmdrm	hypo	CG	-0.5033
Gm12	6411550	6411985 Gmdrm	hypo	CG	-0.7725
Gm12	6415463	6415613 Gmdrm	hypo	CG	-0.6112
Gm12	6415795	6416005 Gmdrm	hypo	CG	-0.7529
Gm12	6430380	6430541 Gmdrm	hypo	CG	-0.692
Gm12	6430859	6431108 Gmdrm	hypo	CG	-0.7255
Gm12	6438855	6439042 Gmdrm	hypo	CG	-0.2562
Gm12	6478738	6478948 Gmdrm	hypo	CG	-0.141
Gm12	6485594	6485829 Gmdrm	hypo	CG	-0.5391
Gm12	6487460	6487730 Gmdrm	hypo	CG	-0.6405
Gm12	6495848	6496007 Gmdrm	hypo	CG	-0.6737
Gm12	6496682	6496839 Gmdrm	hypo	CG	-0.5425
Gm12	6540894	6540957 Gmdrm	hypo	CG	-0.605
Gm12	6550478	6550584 Gmdrm	hypo	CG	-0.5543

Gm12	6550700	6550731 Gmdrm	hypo	CG	-0.3667
Gm12	6551912	6552295 Gmdrm	hypo	CG	-0.827
Gm12	6553314	6553580 Gmdrm	hypo	CG	-0.885
Gm12	6557226	6557387 Gmdrm	hypo	CG	-0.882
Gm12	6558177	6558310 Gmdrm	hypo	CG	-0.86
Gm12	6588370	6588740 Gmdrm	hypo	CG	-0.9633
Gm12	6589621	6589826 Gmdrm	hypo	CG	-0.282
Gm12	6590622	6590759 Gmdrm	hypo	CG	-0.8337
Gm12	6593371	6593674 Gmdrm	hypo	CG	-0.0733
Gm12	6618458	6618515 Gmdrm	hypo	CG	-0.73
Gm12	6638688	6638802 Gmdrm	hypo	CG	-0.816
Gm12	6645207	6645369 Gmdrm	hypo	CG	-0.066
Gm12	6661385	6661683 Gmdrm	hypo	CG	-0.4411
Gm12	6684060	6684303 Gmdrm	hypo	CG	-0.758
Gm12	6692157	6692319 Gmdrm	hypo	CG	-0.6133
Gm12	6703312	6703598 Gmdrm	hypo	CG	-0.9245
Gm12	6756686	6756714 Gmdrm	hypo	CG	-0.485
Gm12	6757044	6757259 Gmdrm	hypo	CG	-0.634
Gm12	6757528	6757796 Gmdrm	hypo	CG	-0.0881
Gm12	6758174	6758267 Gmdrm	hypo	CG	-0.8383
Gm12	6758368	6758613 Gmdrm	hypo	CG	-0.8414
Gm12	6759026	6759193 Gmdrm	hypo	CG	-0.848
Gm12	6787332	6787495 Gmdrm	hypo	CG	-0.9467
Gm12	6787647	6787767 Gmdrm	hypo	CG	-0.764
Gm12	6796592	6796726 Gmdrm	hypo	CG	-0.2317
Gm12	6803062	6803076 Gmdrm	hypo	CG	-0.564
Gm12	6817315	6817502 Gmdrm	hypo	CG	-0.812
Gm12	6827491	6827662 Gmdrm	hypo	CG	-0.735
Gm12	6828379	6828597 Gmdrm	hypo	CG	-0.0809
Gm12	6841923	6842400 Gmdrm	hypo	CG	-0.037
Gm12	6843492	6843702 Gmdrm	hypo	CG	-0.455
Gm12	6856037	6856068 Gmdrm	hypo	CG	-0.9417
Gm12	6856181	6856354 Gmdrm	hypo	CG	-0.9434
Gm12	6857831	6857927 Gmdrm	hypo	CG	-0.935
Gm12	6860771	6860805 Gmdrm	hypo	CG	-0.9117
Gm12	6883925	6883993 Gmdrm	hypo	CG	-0.714
Gm12	6894087	6894735 Gmdrm	hypo	CG	-0.3085
Gm12	6904157	6904310 Gmdrm	hypo	CG	-0.5917
Gm12	6912590	6912889 Gmdrm	hypo	CG	-0.63
Gm12	6925175	6925311 Gmdrm	hypo	CG	-0.285
Gm12	6955391	6955553 Gmdrm	hypo	CG	-0.3008
Gm12	6962161	6962244 Gmdrm	hypo	CG	-0.7767
Gm12	6962375	6962668 Gmdrm	hypo	CG	-0.7665
Gm12	6966191	6966528 Gmdrm	hypo	CG	-0.1771
Gm12	6969084	6969158 Gmdrm	hypo	CG	-0.3687
Gm12	7012315	7012410 Gmdrm	hypo	CG	-0.7712

Gm12	7050388	7050601 Gmdrm	hypo	CG	-0.356
Gm12	7053226	7053329 Gmdrm	hypo	CG	-0.963
Gm12	7056058	7056164 Gmdrm	hypo	CG	-0.05
Gm12	7058245	7058280 Gmdrm	hypo	CG	-0.3983
Gm12	7058438	7058565 Gmdrm	hypo	CG	-0.1099
Gm12	7078417	7078487 Gmdrm	hypo	CG	-0.775
Gm12	7079833	7079926 Gmdrm	hypo	CG	-0.9038
Gm12	7118915	7119304 Gmdrm	hypo	CG	-0.0519
Gm12	7123108	7123149 Gmdrm	hypo	CG	-0.8463
Gm12	7123265	7123325 Gmdrm	hypo	CG	-0.9287
Gm12	7128057	7128111 Gmdrm	hypo	CG	-0.1316
Gm12	7128984	7129165 Gmdrm	hypo	CG	-0.691
Gm12	7131678	7131794 Gmdrm	hypo	CG	-0.5184
Gm12	7170455	7170630 Gmdrm	hypo	CG	-0.5425
Gm12	7192487	7192575 Gmdrm	hypo	CG	-0.56
Gm12	7196715	7196832 Gmdrm	hypo	CG	-0.5075
Gm12	7206543	7206708 Gmdrm	hypo	CG	-0.755
Gm12	7209667	7209806 Gmdrm	hypo	CG	-0.1193
Gm12	7215361	7215376 Gmdrm	hypo	CG	-0.9917
Gm12	7225667	7225870 Gmdrm	hypo	CG	-0.2642
Gm12	7254639	7254801 Gmdrm	hypo	CG	-0.0317
Gm12	7297769	7297819 Gmdrm	hypo	CG	-0.7213
Gm12	7298467	7298914 Gmdrm	hypo	CG	-0.7332
Gm12	7313256	7313432 Gmdrm	hypo	CG	-0.922
Gm12	7325487	7326132 Gmdrm	hypo	CG	-0.1522
Gm12	7372682	7373527 Gmdrm	hypo	CG	-0.4263
Gm12	7373752	7373951 Gmdrm	hypo	CG	-0.2014
Gm12	7374060	7374270 Gmdrm	hypo	CG	-0.1589
Gm12	7375396	7375455 Gmdrm	hypo	CG	-0.0917
Gm12	7375832	7376106 Gmdrm	hypo	CG	-0.1164
Gm12	7377786	7377960 Gmdrm	hypo	CG	-0.63
Gm12	7378078	7378264 Gmdrm	hypo	CG	-0.5862
Gm12	7378628	7378692 Gmdrm	hypo	CG	-0.4537
Gm12	7394910	7395103 Gmdrm	hypo	CG	-0.2217
Gm12	7395231	7395491 Gmdrm	hypo	CG	-0.5
Gm12	7399999	7400133 Gmdrm	hypo	CG	-0.7588
Gm12	7407773	7407949 Gmdrm	hypo	CG	-0.4655
Gm12	7408089	7408717 Gmdrm	hypo	CG	-0.1956
Gm12	7414666	7414959 Gmdrm	hypo	CG	-0.6775
Gm12	7419846	7420120 Gmdrm	hypo	CG	-0.9575
Gm12	7424876	7425294 Gmdrm	hypo	CG	-0.511
Gm12	7425963	7426194 Gmdrm	hypo	CG	-0.2675
Gm12	7427092	7427322 Gmdrm	hypo	CG	-0.6363
Gm12	7447051	7447096 Gmdrm	hypo	CG	-0.0529
Gm12	7455359	7455578 Gmdrm	hypo	CG	-0.96
Gm12	7494229	7494617 Gmdrm	hypo	CG	-0.1685

Gm12	7494749	7494882	Gmdrm	hypo	CG	-0.0825
Gm12	7497021	7497169	Gmdrm	hypo	CG	-0.4634
Gm12	7497324	7497398	Gmdrm	hypo	CG	-0.3361
Gm12	7508807	7508901	Gmdrm	hypo	CG	-0.56
Gm12	7544415	7544540	Gmdrm	hypo	CG	-0.0585
Gm12	7566048	7566255	Gmdrm	hypo	CG	-0.6046
Gm12	7579465	7579637	Gmdrm	hypo	CG	-0.5675
Gm12	7604542	7604821	Gmdrm	hypo	CG	-0.4725
Gm12	7607349	7607556	Gmdrm	hypo	CG	-0.344
Gm12	7607813	7607892	Gmdrm	hypo	CG	-0.2
Gm12	7637376	7637563	Gmdrm	hypo	CG	-0.365
Gm12	7638311	7638417	Gmdrm	hypo	CG	-0.4084
Gm12	7653007	7653082	Gmdrm	hypo	CG	-0.0528
Gm12	7656627	7656839	Gmdrm	hypo	CG	-0.2111
Gm12	7665522	7665629	Gmdrm	hypo	CG	-0.658
Gm12	7677713	7677829	Gmdrm	hypo	CG	-0.2725
Gm12	7681862	7681972	Gmdrm	hypo	CG	-0.4123
Gm12	7682822	7682842	Gmdrm	hypo	CG	-0.8866
Gm12	7692496	7692600	Gmdrm	hypo	CG	-0.053
Gm12	7735939	7736102	Gmdrm	hypo	CG	-0.7429
Gm12	7737652	7737839	Gmdrm	hypo	CG	-0.942
Gm12	7737952	7738036	Gmdrm	hypo	CG	-0.9629
Gm12	7746890	7747404	Gmdrm	hypo	CG	-0.2115
Gm12	7747858	7748129	Gmdrm	hypo	CG	-0.4856
Gm12	7750983	7751100	Gmdrm	hypo	CG	-0.139
Gm12	7753941	7754229	Gmdrm	hypo	CG	-0.7576
Gm12	7770241	7770423	Gmdrm	hypo	CG	-0.028
Gm12	7787971	7788145	Gmdrm	hypo	CG	-0.41
Gm12	7788464	7788646	Gmdrm	hypo	CG	-0.4363
Gm12	7798647	7798783	Gmdrm	hypo	CG	-0.1713
Gm12	7810917	7810948	Gmdrm	hypo	CG	-0.355
Gm12	7811066	7811196	Gmdrm	hypo	CG	-0.5784
Gm12	7841372	7841427	Gmdrm	hypo	CG	-0.3183
Gm12	7898572	7898792	Gmdrm	hypo	CG	-0.5475
Gm12	7925266	7925372	Gmdrm	hypo	CG	-0.054
Gm12	7926138	7926202	Gmdrm	hypo	CG	-0.032
Gm12	7942039	7942155	Gmdrm	hypo	CG	-0.22
Gm12	7953514	7953591	Gmdrm	hypo	CG	-0.9614
Gm12	7959607	7959651	Gmdrm	hypo	CG	-0.585
Gm12	7995069	7995117	Gmdrm	hypo	CG	-0.365
Gm12	7998059	7998179	Gmdrm	hypo	CG	-0.8324
Gm12	7998781	7999145	Gmdrm	hypo	CG	-0.1072
Gm12	8001363	8001691	Gmdrm	hypo	CG	-0.6089
Gm12	8002849	8002939	Gmdrm	hypo	CG	-0.672
Gm12	8003115	8003311	Gmdrm	hypo	CG	-0.8131
Gm12	8011954	8012213	Gmdrm	hypo	CG	-0.1894

Gm12	8036435	8036513 Gmdrm	hypo	CG	-0.9333
Gm12	8037587	8037967 Gmdrm	hypo	CG	-0.216
Gm12	8084009	8084107 Gmdrm	hypo	CG	-0.7338
Gm12	8096691	8096716 Gmdrm	hypo	CG	-0.9734
Gm12	8096868	8097024 Gmdrm	hypo	CG	-0.6189
Gm12	8105805	8106237 Gmdrm	hypo	CG	-0.5072
Gm12	8106425	8106616 Gmdrm	hypo	CG	-0.1967
Gm12	8106722	8106852 Gmdrm	hypo	CG	-0.259
Gm12	8108020	8108157 Gmdrm	hypo	CG	-0.9175
Gm12	8113911	8114358 Gmdrm	hypo	CG	-0.2128
Gm12	8123611	8123693 Gmdrm	hypo	CG	-0.9675
Gm12	8123850	8123899 Gmdrm	hypo	CG	-0.0383
Gm12	8139473	8139706 Gmdrm	hypo	CG	-0.4267
Gm12	8166204	8166348 Gmdrm	hypo	CG	-0.1284
Gm12	8176832	8176930 Gmdrm	hypo	CG	-0.6
Gm12	8177189	8177440 Gmdrm	hypo	CG	-0.8017
Gm12	8223952	8224080 Gmdrm	hypo	CG	-0.956
Gm12	8224283	8224528 Gmdrm	hypo	CG	-0.8638
Gm12	8226082	8226276 Gmdrm	hypo	CG	-0.036
Gm12	8230928	8231150 Gmdrm	hypo	CG	-0.9254
Gm12	8258686	8258811 Gmdrm	hypo	CG	-0.4237
Gm12	8259306	8259495 Gmdrm	hypo	CG	-0.525
Gm12	8285253	8285434 Gmdrm	hypo	CG	-0.0287
Gm12	8307273	8307339 Gmdrm	hypo	CG	-0.6886
Gm12	8308055	8308796 Gmdrm	hypo	CG	-0.08
Gm12	8316178	8316262 Gmdrm	hypo	CG	-0.3816
Gm12	8320224	8320715 Gmdrm	hypo	CG	-0.3155
Gm12	8338593	8338739 Gmdrm	hypo	CG	-0.7383
Gm12	8365536	8365646 Gmdrm	hypo	CG	-0.8488
Gm12	8385498	8385674 Gmdrm	hypo	CG	-0.6875
Gm12	8387506	8387717 Gmdrm	hypo	CG	-0.845
Gm12	8393471	8393636 Gmdrm	hypo	CG	-0.3833
Gm12	8393746	8394009 Gmdrm	hypo	CG	-0.2213
Gm12	8416275	8416382 Gmdrm	hypo	CG	-0.9566
Gm12	8422662	8422834 Gmdrm	hypo	CG	-0.042
Gm12	8429079	8429200 Gmdrm	hypo	CG	-0.0675
Gm12	8452801	8452876 Gmdrm	hypo	CG	-0.7917
Gm12	8453471	8453712 Gmdrm	hypo	CG	-0.0652
Gm12	8477631	8477871 Gmdrm	hypo	CG	-0.1025
Gm12	8480461	8480500 Gmdrm	hypo	CG	-0.7067
Gm12	8490270	8490384 Gmdrm	hypo	CG	-0.0731
Gm12	8490491	8490513 Gmdrm	hypo	CG	-0.1887
Gm12	8491539	8491663 Gmdrm	hypo	CG	-0.044
Gm12	8498189	8498311 Gmdrm	hypo	CG	-0.2189
Gm12	8507503	8507643 Gmdrm	hypo	CG	-0.1837
Gm12	8522603	8522724 Gmdrm	hypo	CG	-0.824

Gm12	8522982	8523353	Gmdrm	hypo	CG	-0.129
Gm12	8562150	8562337	Gmdrm	hypo	CG	-0.05
Gm12	8568747	8568850	Gmdrm	hypo	CG	-0.0966
Gm12	8588785	8588971	Gmdrm	hypo	CG	-0.1975
Gm12	8596483	8596783	Gmdrm	hypo	CG	-0.0781
Gm12	8610659	8610779	Gmdrm	hypo	CG	-0.0717
Gm12	8610975	8611105	Gmdrm	hypo	CG	-0.07
Gm12	8630528	8630564	Gmdrm	hypo	CG	-0.4333
Gm12	8639609	8639888	Gmdrm	hypo	CG	-0.4756
Gm12	8647560	8647843	Gmdrm	hypo	CG	-0.2234
Gm12	8658508	8658581	Gmdrm	hypo	CG	-0.0663
Gm12	8660079	8660394	Gmdrm	hypo	CG	-0.5607
Gm12	8698035	8698432	Gmdrm	hypo	CG	-0.5623
Gm12	8710085	8710269	Gmdrm	hypo	CG	-0.1307
Gm12	8715641	8715728	Gmdrm	hypo	CG	-0.4984
Gm12	8738163	8738238	Gmdrm	hypo	CG	-0.197
Gm12	8744178	8744264	Gmdrm	hypo	CG	-0.9383
Gm12	8746460	8746577	Gmdrm	hypo	CG	-0.708
Gm12	8756872	8756979	Gmdrm	hypo	CG	-0.2388
Gm12	8757213	8757456	Gmdrm	hypo	CG	-0.679
Gm12	8780413	8780479	Gmdrm	hypo	CG	-0.04
Gm12	8781854	8781945	Gmdrm	hypo	CG	-0.518
Gm12	8783813	8783999	Gmdrm	hypo	CG	-0.9017
Gm12	8784788	8784938	Gmdrm	hypo	CG	-0.4616
Gm12	8797000	8797101	Gmdrm	hypo	CG	-0.9762
Gm12	8799507	8799610	Gmdrm	hypo	CG	-0.418
Gm12	8814002	8814069	Gmdrm	hypo	CG	-0.3988
Gm12	8871637	8871758	Gmdrm	hypo	CG	-0.905
Gm12	8875929	8876243	Gmdrm	hypo	CG	-0.1285
Gm12	8880957	8881111	Gmdrm	hypo	CG	-0.4233
Gm12	8901289	8901429	Gmdrm	hypo	CG	-0.322
Gm12	8905400	8905496	Gmdrm	hypo	CG	-0.7225
Gm12	8910357	8910461	Gmdrm	hypo	CG	-0.8014
Gm12	8949944	8950108	Gmdrm	hypo	CG	-0.578
Gm12	8962617	8962839	Gmdrm	hypo	CG	-0.785
Gm12	8963436	8963474	Gmdrm	hypo	CG	-0.8834
Gm12	8967628	8967981	Gmdrm	hypo	CG	-0.5386
Gm12	8989283	8989351	Gmdrm	hypo	CG	-0.5683
Gm12	8991922	8992079	Gmdrm	hypo	CG	-0.07
Gm12	9011889	9012241	Gmdrm	hypo	CG	-0.0311
Gm12	9020590	9021032	Gmdrm	hypo	CG	-0.0412
Gm12	9021894	9021936	Gmdrm	hypo	CG	-0.7676
Gm12	9048783	9048863	Gmdrm	hypo	CG	-0.1537
Gm12	9048971	9049227	Gmdrm	hypo	CG	-0.1945
Gm12	9071373	9071610	Gmdrm	hypo	CG	-0.382
Gm12	9085719	9085989	Gmdrm	hypo	CG	-0.3343

Gm12	9092616	9092911 Gmdrm	hypo	CG	-0.0707
Gm12	9093252	9093367 Gmdrm	hypo	CG	-0.65
Gm12	9108764	9108957 Gmdrm	hypo	CG	-0.7075
Gm12	9113030	9113082 Gmdrm	hypo	CG	-0.862
Gm12	9113189	9113255 Gmdrm	hypo	CG	-0.6962
Gm12	9121225	9121311 Gmdrm	hypo	CG	-0.395
Gm12	9129172	9129303 Gmdrm	hypo	CG	-0.158
Gm12	9140338	9140770 Gmdrm	hypo	CG	-0.906
Gm12	9159351	9159435 Gmdrm	hypo	CG	-0.8312
Gm12	9165625	9165653 Gmdrm	hypo	CG	-0.1817
Gm12	9168452	9168592 Gmdrm	hypo	CG	-0.7467
Gm12	9169365	9169586 Gmdrm	hypo	CG	-0.3772
Gm12	9169845	9169978 Gmdrm	hypo	CG	-0.8966
Gm12	9179850	9180045 Gmdrm	hypo	CG	-0.435
Gm12	9196687	9196776 Gmdrm	hypo	CG	-0.0625
Gm12	9197919	9198214 Gmdrm	hypo	CG	-0.8431
Gm12	9216149	9216171 Gmdrm	hypo	CG	-0.51
Gm12	9217006	9217205 Gmdrm	hypo	CG	-0.7337
Gm12	9223564	9223644 Gmdrm	hypo	CG	-0.062
Gm12	9231411	9231602 Gmdrm	hypo	CG	-0.5518
Gm12	9231727	9231953 Gmdrm	hypo	CG	-0.63
Gm12	9233574	9233872 Gmdrm	hypo	CG	-0.5593
Gm12	9233991	9234211 Gmdrm	hypo	CG	-0.2628
Gm12	9242414	9242461 Gmdrm	hypo	CG	-0.79
Gm12	9254085	9254246 Gmdrm	hypo	CG	-0.7091
Gm12	9259581	9259713 Gmdrm	hypo	CG	-0.905
Gm12	9277482	9277765 Gmdrm	hypo	CG	-0.7855
Gm12	9280730	9280846 Gmdrm	hypo	CG	-0.58
Gm12	9281672	9282027 Gmdrm	hypo	CG	-0.0774
Gm12	9282511	9282650 Gmdrm	hypo	CG	-0.8484
Gm12	9283047	9283210 Gmdrm	hypo	CG	-0.8685
Gm12	9300648	9300775 Gmdrm	hypo	CG	-0.045
Gm12	9332038	9332226 Gmdrm	hypo	CG	-0.4812
Gm12	9332932	9333322 Gmdrm	hypo	CG	-0.515
Gm12	9342123	9342213 Gmdrm	hypo	CG	-0.07
Gm12	9347300	9347405 Gmdrm	hypo	CG	-0.335
Gm12	9352187	9352389 Gmdrm	hypo	CG	-0.054
Gm12	9359075	9359596 Gmdrm	hypo	CG	-0.7395
Gm12	9361114	9361222 Gmdrm	hypo	CG	-0.048
Gm12	9363839	9364018 Gmdrm	hypo	CG	-0.384
Gm12	9364764	9364828 Gmdrm	hypo	CG	-0.895
Gm12	9381034	9381054 Gmdrm	hypo	CG	-0.058
Gm12	9402187	9402223 Gmdrm	hypo	CG	-0.3867
Gm12	9449955	9450017 Gmdrm	hypo	CG	-0.5683
Gm12	9464623	9464829 Gmdrm	hypo	CG	-0.944
Gm12	9474783	9474854 Gmdrm	hypo	CG	-0.105

Gm12	9494564	9494894	Gmdrm	hypo	CG	-0.4237
Gm12	9510626	9511217	Gmdrm	hypo	CG	-0.0362
Gm12	9549994	9550306	Gmdrm	hypo	CG	-0.56
Gm12	9573473	9573653	Gmdrm	hypo	CG	-0.8457
Gm12	9584482	9584553	Gmdrm	hypo	CG	-0.4687
Gm12	9586777	9586830	Gmdrm	hypo	CG	-0.7087
Gm12	9606351	9606707	Gmdrm	hypo	CG	-0.084
Gm12	9612282	9612421	Gmdrm	hypo	CG	-0.615
Gm12	9627791	9627987	Gmdrm	hypo	CG	-0.865
Gm12	9632172	9632274	Gmdrm	hypo	CG	-0.685
Gm12	9637774	9637933	Gmdrm	hypo	CG	-0.0801
Gm12	9638294	9638451	Gmdrm	hypo	CG	-0.04
Gm12	9644524	9644754	Gmdrm	hypo	CG	-0.9337
Gm12	9654187	9654566	Gmdrm	hypo	CG	-0.3817
Gm12	9705297	9705534	Gmdrm	hypo	CG	-0.6813
Gm12	9719926	9720209	Gmdrm	hypo	CG	-0.235
Gm12	9732581	9732766	Gmdrm	hypo	CG	-0.034
Gm12	9750691	9750744	Gmdrm	hypo	CG	-0.4366
Gm12	9751725	9751977	Gmdrm	hypo	CG	-0.8875
Gm12	9754977	9755215	Gmdrm	hypo	CG	-0.2837
Gm12	9770040	9770137	Gmdrm	hypo	CG	-0.34
Gm12	9850856	9851036	Gmdrm	hypo	CG	-0.1883
Gm12	9851388	9851423	Gmdrm	hypo	CG	-0.175
Gm12	9915416	9915591	Gmdrm	hypo	CG	-0.4766
Gm12	9946697	9947002	Gmdrm	hypo	CG	-0.3084
Gm12	10039901	10040878	Gmdrm	hypo	CG	-0.0292
Gm12	10044652	10044844	Gmdrm	hypo	CG	-0.1315
Gm12	10045050	10045367	Gmdrm	hypo	CG	-0.2333
Gm12	10049350	10049573	Gmdrm	hypo	CG	-0.8167
Gm12	10049929	10050013	Gmdrm	hypo	CG	-0.9416
Gm12	10050514	10050775	Gmdrm	hypo	CG	-0.0386
Gm12	10060284	10060765	Gmdrm	hypo	CG	-0.0427
Gm12	10066786	10066866	Gmdrm	hypo	CG	-0.4063
Gm12	10076147	10076234	Gmdrm	hypo	CG	-0.8733
Gm12	10080216	10080464	Gmdrm	hypo	CG	-0.492
Gm12	10081577	10081948	Gmdrm	hypo	CG	-0.2564
Gm12	10083101	10083235	Gmdrm	hypo	CG	-0.4375
Gm12	10169223	10169324	Gmdrm	hypo	CG	-0.038
Gm12	10170279	10170987	Gmdrm	hypo	CG	-0.042
Gm12	10188877	10188945	Gmdrm	hypo	CG	-0.8416
Gm12	10219513	10219969	Gmdrm	hypo	CG	-0.0436
Gm12	10221906	10222313	Gmdrm	hypo	CG	-0.0225
Gm12	10227161	10227588	Gmdrm	hypo	CG	-0.0618
Gm12	10230810	10231293	Gmdrm	hypo	CG	-0.0497
Gm12	10262073	10262115	Gmdrm	hypo	CG	-0.6333
Gm12	10299769	10299849	Gmdrm	hypo	CG	-0.086

Gm12	10302270	10302451	Gmdrm	hypo	CG	-0.07
Gm12	10309391	10309483	Gmdrm	hypo	CG	-0.8387
Gm12	10314111	10314231	Gmdrm	hypo	CG	-0.5983
Gm12	10317913	10318002	Gmdrm	hypo	CG	-0.5175
Gm12	10343602	10343764	Gmdrm	hypo	CG	-0.615
Gm12	10359763	10359865	Gmdrm	hypo	CG	-0.8937
Gm12	10386266	10386373	Gmdrm	hypo	CG	-0.0711
Gm12	10401480	10401942	Gmdrm	hypo	CG	-0.1018
Gm12	10416604	10416717	Gmdrm	hypo	CG	-0.0487
Gm12	10423188	10423369	Gmdrm	hypo	CG	-0.0382
Gm12	10458653	10458829	Gmdrm	hypo	CG	-0.8749
Gm12	10478092	10478335	Gmdrm	hypo	CG	-0.0591
Gm12	10485197	10485395	Gmdrm	hypo	CG	-0.2144
Gm12	10487575	10487766	Gmdrm	hypo	CG	-0.104
Gm12	10515379	10515400	Gmdrm	hypo	CG	-0.5433
Gm12	10520972	10521354	Gmdrm	hypo	CG	-0.0427
Gm12	10539169	10539580	Gmdrm	hypo	CG	-0.1776
Gm12	10540357	10540735	Gmdrm	hypo	CG	-0.0434
Gm12	10547971	10548120	Gmdrm	hypo	CG	-0.5911
Gm12	10556373	10556552	Gmdrm	hypo	CG	-0.7225
Gm12	10557073	10557136	Gmdrm	hypo	CG	-0.046
Gm12	10634618	10634652	Gmdrm	hypo	CG	-0.9317
Gm12	10635548	10635649	Gmdrm	hypo	CG	-0.0394
Gm12	10711777	10712091	Gmdrm	hypo	CG	-0.0386
Gm12	10714758	10714987	Gmdrm	hypo	CG	-0.0717
Gm12	10759682	10759864	Gmdrm	hypo	CG	-0.884
Gm12	10760027	10760067	Gmdrm	hypo	CG	-0.3484
Gm12	10767825	10768359	Gmdrm	hypo	CG	-0.0888
Gm12	10777424	10777496	Gmdrm	hypo	CG	-0.7362
Gm12	10777796	10778123	Gmdrm	hypo	CG	-0.1252
Gm12	10815649	10815732	Gmdrm	hypo	CG	-0.3433
Gm12	10815922	10816005	Gmdrm	hypo	CG	-0.6675
Gm12	10829569	10829692	Gmdrm	hypo	CG	-0.9575
Gm12	10841235	10841448	Gmdrm	hypo	CG	-0.6736
Gm12	10854790	10854892	Gmdrm	hypo	CG	-0.43
Gm12	10897874	10897924	Gmdrm	hypo	CG	-0.455
Gm12	10907570	10907605	Gmdrm	hypo	CG	-0.1343
Gm12	10916283	10916517	Gmdrm	hypo	CG	-0.085
Gm12	10924181	10924433	Gmdrm	hypo	CG	-0.4012
Gm12	10977355	10977405	Gmdrm	hypo	CG	-0.7414
Gm12	10983286	10983395	Gmdrm	hypo	CG	-0.13
Gm12	10985005	10985096	Gmdrm	hypo	CG	-0.805
Gm12	11041156	11041317	Gmdrm	hypo	CG	-0.326
Gm12	11058419	11058559	Gmdrm	hypo	CG	-0.1363
Gm12	11092455	11092583	Gmdrm	hypo	CG	-0.078
Gm12	11112563	11112794	Gmdrm	hypo	CG	-0.6431

Gm12	11122118	11122168 Gmdrm	hypo	CG	-0.31
Gm12	11123613	11123715 Gmdrm	hypo	CG	-0.8883
Gm12	11149103	11149373 Gmdrm	hypo	CG	-0.7606
Gm12	11204193	11204306 Gmdrm	hypo	CG	-0.3838
Gm12	11245783	11246061 Gmdrm	hypo	CG	-0.7432
Gm12	11247143	11247458 Gmdrm	hypo	CG	-0.9265
Gm12	11247563	11247680 Gmdrm	hypo	CG	-0.95
Gm12	11260856	11260979 Gmdrm	hypo	CG	-0.1388
Gm12	11267053	11267165 Gmdrm	hypo	CG	-0.1413
Gm12	11267464	11267753 Gmdrm	hypo	CG	-0.0629
Gm12	11284155	11284634 Gmdrm	hypo	CG	-0.1494
Gm12	11369273	11369397 Gmdrm	hypo	CG	-0.5133
Gm12	11393493	11394068 Gmdrm	hypo	CG	-0.0261
Gm12	11439440	11439573 Gmdrm	hypo	CG	-0.135
Gm12	11454987	11455205 Gmdrm	hypo	CG	-0.09
Gm12	11476593	11476950 Gmdrm	hypo	CG	-0.0329
Gm12	11523062	11523181 Gmdrm	hypo	CG	-0.668
Gm12	11530881	11531092 Gmdrm	hypo	CG	-0.6658
Gm12	11545103	11545204 Gmdrm	hypo	CG	-0.8387
Gm12	11547174	11547361 Gmdrm	hypo	CG	-0.2488
Gm12	11568408	11568602 Gmdrm	hypo	CG	-0.7844
Gm12	11569202	11569227 Gmdrm	hypo	CG	-0.6743
Gm12	11570892	11571385 Gmdrm	hypo	CG	-0.1792
Gm12	11572019	11572488 Gmdrm	hypo	CG	-0.3094
Gm12	11616823	11616893 Gmdrm	hypo	CG	-0.5833
Gm12	11622618	11622674 Gmdrm	hypo	CG	-0.8333
Gm12	11623020	11623212 Gmdrm	hypo	CG	-0.6087
Gm12	11623319	11623344 Gmdrm	hypo	CG	-0.7775
Gm12	11625334	11625339 Gmdrm	hypo	CG	-0.9067
Gm12	11673191	11673636 Gmdrm	hypo	CG	-0.1522
Gm12	11674242	11674438 Gmdrm	hypo	CG	-0.678
Gm12	11674578	11674586 Gmdrm	hypo	CG	-0.9333
Gm12	11720307	11720789 Gmdrm	hypo	CG	-0.4646
Gm12	11721015	11721281 Gmdrm	hypo	CG	-0.7711
Gm12	11721407	11721712 Gmdrm	hypo	CG	-0.8508
Gm12	11727678	11727886 Gmdrm	hypo	CG	-0.6525
Gm12	11746502	11746648 Gmdrm	hypo	CG	-0.082
Gm12	11760158	11760276 Gmdrm	hypo	CG	-0.7437
Gm12	11781207	11781395 Gmdrm	hypo	CG	-0.0323
Gm12	11884099	11884176 Gmdrm	hypo	CG	-0.1082
Gm12	11896422	11896587 Gmdrm	hypo	CG	-0.689
Gm12	11920968	11921029 Gmdrm	hypo	CG	-0.7017
Gm12	11928567	11928659 Gmdrm	hypo	CG	-0.7625
Gm12	11929031	11929077 Gmdrm	hypo	CG	-0.8083
Gm12	11948548	11948666 Gmdrm	hypo	CG	-0.6383
Gm12	11948790	11948889 Gmdrm	hypo	CG	-0.6351

Gm12	11954892	11954961	Gmdrm	hypo	CG	-0.898
Gm12	12005770	12005841	Gmdrm	hypo	CG	-0.2875
Gm12	12006074	12006212	Gmdrm	hypo	CG	-0.4191
Gm12	12006344	12006524	Gmdrm	hypo	CG	-0.582
Gm12	12006717	12006898	Gmdrm	hypo	CG	-0.464
Gm12	12010276	12010456	Gmdrm	hypo	CG	-0.3586
Gm12	12010649	12010838	Gmdrm	hypo	CG	-0.4557
Gm12	12011291	12011410	Gmdrm	hypo	CG	-0.298
Gm12	12025545	12025687	Gmdrm	hypo	CG	-0.3378
Gm12	12069954	12069986	Gmdrm	hypo	CG	-0.7538
Gm12	12076483	12076541	Gmdrm	hypo	CG	-0.6943
Gm12	12089913	12090007	Gmdrm	hypo	CG	-0.0538
Gm12	12094244	12094352	Gmdrm	hypo	CG	-0.6783
Gm12	12123232	12123620	Gmdrm	hypo	CG	-0.0431
Gm12	12141516	12141799	Gmdrm	hypo	CG	-0.0335
Gm12	12158765	12159109	Gmdrm	hypo	CG	-0.7047
Gm12	12169721	12169809	Gmdrm	hypo	CG	-0.642
Gm12	12174822	12175021	Gmdrm	hypo	CG	-0.6757
Gm12	12244287	12244380	Gmdrm	hypo	CG	-0.0775
Gm12	12321937	12322107	Gmdrm	hypo	CG	-0.5633
Gm12	12324123	12324212	Gmdrm	hypo	CG	-0.63
Gm12	12324474	12324612	Gmdrm	hypo	CG	-0.098
Gm12	12339818	12340013	Gmdrm	hypo	CG	-0.1953
Gm12	12368811	12369426	Gmdrm	hypo	CG	-0.0289
Gm12	12388530	12388611	Gmdrm	hypo	CG	-0.1284
Gm12	12425076	12425136	Gmdrm	hypo	CG	-0.8517
Gm12	12454963	12455091	Gmdrm	hypo	CG	-0.1279
Gm12	12484373	12484469	Gmdrm	hypo	CG	-0.0662
Gm12	12513058	12513126	Gmdrm	hypo	CG	-0.9533
Gm12	12571214	12571386	Gmdrm	hypo	CG	-0.1237
Gm12	12591571	12591646	Gmdrm	hypo	CG	-0.056
Gm12	12675854	12676144	Gmdrm	hypo	CG	-0.493
Gm12	12697128	12697359	Gmdrm	hypo	CG	-0.8431
Gm12	12697483	12697635	Gmdrm	hypo	CG	-0.9529
Gm12	12710771	12711092	Gmdrm	hypo	CG	-0.0852
Gm12	12773479	12773638	Gmdrm	hypo	CG	-0.241
Gm12	12796197	12796268	Gmdrm	hypo	CG	-0.045
Gm12	12825529	12825586	Gmdrm	hypo	CG	-0.7001
Gm12	12858499	12858733	Gmdrm	hypo	CG	-0.67
Gm12	12871302	12871420	Gmdrm	hypo	CG	-0.6725
Gm12	12913013	12913238	Gmdrm	hypo	CG	-0.0914
Gm12	12918497	12918990	Gmdrm	hypo	CG	-0.0494
Gm12	12981228	12981670	Gmdrm	hypo	CG	-0.073
Gm12	13005289	13005355	Gmdrm	hypo	CG	-0.105
Gm12	13036856	13036896	Gmdrm	hypo	CG	-0.663
Gm12	13044278	13044363	Gmdrm	hypo	CG	-0.805

Gm12	13049765	13049841	Gmdrm	hypo	CG	-0.034
Gm12	13081938	13082062	Gmdrm	hypo	CG	-0.04
Gm12	13082484	13082564	Gmdrm	hypo	CG	-0.04
Gm12	13153412	13153765	Gmdrm	hypo	CG	-0.0624
Gm12	13161009	13161062	Gmdrm	hypo	CG	-0.643
Gm12	13180224	13180316	Gmdrm	hypo	CG	-0.0766
Gm12	13255889	13255940	Gmdrm	hypo	CG	-0.956
Gm12	13289056	13289243	Gmdrm	hypo	CG	-0.6317
Gm12	13292621	13292667	Gmdrm	hypo	CG	-0.9683
Gm12	13292837	13292892	Gmdrm	hypo	CG	-0.3
Gm12	13293407	13293606	Gmdrm	hypo	CG	-0.7058
Gm12	13300694	13300733	Gmdrm	hypo	CG	-0.865
Gm12	13304948	13304959	Gmdrm	hypo	CG	-0.032
Gm12	13305060	13305302	Gmdrm	hypo	CG	-0.7808
Gm12	13306377	13306594	Gmdrm	hypo	CG	-0.9467
Gm12	13347524	13347637	Gmdrm	hypo	CG	-0.355
Gm12	13360458	13360606	Gmdrm	hypo	CG	-0.8641
Gm12	13369618	13369671	Gmdrm	hypo	CG	-0.895
Gm12	13369774	13369918	Gmdrm	hypo	CG	-0.74
Gm12	13370243	13370473	Gmdrm	hypo	CG	-0.8908
Gm12	13370903	13370998	Gmdrm	hypo	CG	-0.7867
Gm12	13371491	13371551	Gmdrm	hypo	CG	-0.7816
Gm12	13386625	13387075	Gmdrm	hypo	CG	-0.0687
Gm12	13405977	13406130	Gmdrm	hypo	CG	-0.9387
Gm12	13409068	13409091	Gmdrm	hypo	CG	-0.86
Gm12	13409199	13409351	Gmdrm	hypo	CG	-0.8983
Gm12	13430946	13431107	Gmdrm	hypo	CG	-0.062
Gm12	13446312	13446376	Gmdrm	hypo	CG	-0.8325
Gm12	13446563	13446757	Gmdrm	hypo	CG	-0.7467
Gm12	13448661	13448739	Gmdrm	hypo	CG	-0.5683
Gm12	13449342	13449387	Gmdrm	hypo	CG	-0.2117
Gm12	13449537	13449626	Gmdrm	hypo	CG	-0.69
Gm12	13450556	13450620	Gmdrm	hypo	CG	-0.9117
Gm12	13491928	13492296	Gmdrm	hypo	CG	-0.1313
Gm12	13507656	13507729	Gmdrm	hypo	CG	-0.676
Gm12	13510102	13510182	Gmdrm	hypo	CG	-0.0833
Gm12	13511899	13511919	Gmdrm	hypo	CG	-0.9183
Gm12	13513154	13513225	Gmdrm	hypo	CG	-0.19
Gm12	13520371	13520738	Gmdrm	hypo	CG	-0.223
Gm12	13527843	13527891	Gmdrm	hypo	CG	-0.1717
Gm12	13540622	13541246	Gmdrm	hypo	CG	-0.035
Gm12	13662220	13662319	Gmdrm	hypo	CG	-0.9012
Gm12	13664612	13664796	Gmdrm	hypo	CG	-0.4916
Gm12	13666518	13666628	Gmdrm	hypo	CG	-0.9734
Gm12	13667312	13667468	Gmdrm	hypo	CG	-0.4924
Gm12	13676843	13676907	Gmdrm	hypo	CG	-0.934

Gm12	13696519	13696649	Gmdrm	hypo	CG	-0.0477
Gm12	13734856	13735020	Gmdrm	hypo	CG	-0.735
Gm12	13735328	13735504	Gmdrm	hypo	CG	-0.2723
Gm12	13738999	13739443	Gmdrm	hypo	CG	-0.1304
Gm12	13742890	13742973	Gmdrm	hypo	CG	-0.3013
Gm12	13751795	13752024	Gmdrm	hypo	CG	-0.0727
Gm12	13756579	13756670	Gmdrm	hypo	CG	-0.69
Gm12	13763818	13763949	Gmdrm	hypo	CG	-0.6322
Gm12	13775310	13775350	Gmdrm	hypo	CG	-0.9417
Gm12	13779959	13780008	Gmdrm	hypo	CG	-0.1114
Gm12	13806123	13806232	Gmdrm	hypo	CG	-0.386
Gm12	13850297	13850364	Gmdrm	hypo	CG	-0.839
Gm12	13911763	13911867	Gmdrm	hypo	CG	-0.058
Gm12	13919268	13919461	Gmdrm	hypo	CG	-0.04
Gm12	13968450	13968464	Gmdrm	hypo	CG	-0.7863
Gm12	13971407	13971525	Gmdrm	hypo	CG	-0.21
Gm12	13992456	13992608	Gmdrm	hypo	CG	-0.3729
Gm12	14068596	14069434	Gmdrm	hypo	CG	-0.0299
Gm12	14162438	14163105	Gmdrm	hypo	CG	-0.0235
Gm12	14163333	14163378	Gmdrm	hypo	CG	-0.698
Gm12	14255018	14255167	Gmdrm	hypo	CG	-0.5487
Gm12	14274041	14274187	Gmdrm	hypo	CG	-0.0975
Gm12	14310190	14310230	Gmdrm	hypo	CG	-0.21
Gm12	14337938	14338248	Gmdrm	hypo	CG	-0.0922
Gm12	14361245	14361343	Gmdrm	hypo	CG	-0.5833
Gm12	14362784	14362936	Gmdrm	hypo	CG	-0.415
Gm12	14381829	14381844	Gmdrm	hypo	CG	-0.8433
Gm12	14383704	14384224	Gmdrm	hypo	CG	-0.2935
Gm12	14448740	14448785	Gmdrm	hypo	CG	-0.61
Gm12	14454252	14454349	Gmdrm	hypo	CG	-0.9733
Gm12	14455130	14455277	Gmdrm	hypo	CG	-0.8375
Gm12	14497390	14497510	Gmdrm	hypo	CG	-0.8176
Gm12	14497783	14497940	Gmdrm	hypo	CG	-0.7125
Gm12	14516121	14516942	Gmdrm	hypo	CG	-0.1164
Gm12	14541038	14541126	Gmdrm	hypo	CG	-0.0917
Gm12	14562501	14562678	Gmdrm	hypo	CG	-0.0825
Gm12	14580692	14580831	Gmdrm	hypo	CG	-0.268
Gm12	14603502	14603927	Gmdrm	hypo	CG	-0.1394
Gm12	14617388	14618218	Gmdrm	hypo	CG	-0.0447
Gm12	14638941	14639177	Gmdrm	hypo	CG	-0.0409
Gm12	14654584	14654827	Gmdrm	hypo	CG	-0.3019
Gm12	14658355	14658422	Gmdrm	hypo	CG	-0.925
Gm12	14663221	14663290	Gmdrm	hypo	CG	-0.3416
Gm12	14695795	14696308	Gmdrm	hypo	CG	-0.0221
Gm12	14714869	14714930	Gmdrm	hypo	CG	-0.6083
Gm12	14740245	14741220	Gmdrm	hypo	CG	-0.1417

Gm12	14796294	14796461	Gmdrm	hypo	CG	-0.3887
Gm12	14836917	14837494	Gmdrm	hypo	CG	-0.0243
Gm12	14837705	14837957	Gmdrm	hypo	CG	-0.028
Gm12	14860509	14860570	Gmdrm	hypo	CG	-0.8523
Gm12	14862578	14862654	Gmdrm	hypo	CG	-0.869
Gm12	14895272	14895348	Gmdrm	hypo	CG	-0.8437
Gm12	14900877	14900995	Gmdrm	hypo	CG	-0.2783
Gm12	14904980	14905090	Gmdrm	hypo	CG	-0.4342
Gm12	14911644	14912050	Gmdrm	hypo	CG	-0.7407
Gm12	14939174	14939261	Gmdrm	hypo	CG	-0.0613
Gm12	14944635	14944849	Gmdrm	hypo	CG	-0.114
Gm12	14949807	14949879	Gmdrm	hypo	CG	-0.0429
Gm12	14968199	14968334	Gmdrm	hypo	CG	-0.6583
Gm12	14992638	14993178	Gmdrm	hypo	CG	-0.0277
Gm12	14995111	14995482	Gmdrm	hypo	CG	-0.0866
Gm12	15021748	15021872	Gmdrm	hypo	CG	-0.3709
Gm12	15035153	15035422	Gmdrm	hypo	CG	-0.579
Gm12	15093411	15093521	Gmdrm	hypo	CG	-0.0457
Gm12	15095872	15096229	Gmdrm	hypo	CG	-0.0487
Gm12	15112214	15112371	Gmdrm	hypo	CG	-0.2542
Gm12	15115124	15115183	Gmdrm	hypo	CG	-0.7484
Gm12	15130569	15131014	Gmdrm	hypo	CG	-0.0593
Gm12	15132250	15132500	Gmdrm	hypo	CG	-0.0672
Gm12	15159714	15159978	Gmdrm	hypo	CG	-0.8437
Gm12	15165411	15165446	Gmdrm	hypo	CG	-0.0587
Gm12	15235225	15235346	Gmdrm	hypo	CG	-0.0717
Gm12	15244467	15245048	Gmdrm	hypo	CG	-0.0291
Gm12	15303940	15304025	Gmdrm	hypo	CG	-0.0833
Gm12	15353260	15353324	Gmdrm	hypo	CG	-0.5587
Gm12	15407833	15407877	Gmdrm	hypo	CG	-0.1867
Gm12	15409250	15410075	Gmdrm	hypo	CG	-0.2239
Gm12	15435155	15435581	Gmdrm	hypo	CG	-0.6698
Gm12	15448647	15448810	Gmdrm	hypo	CG	-0.1288
Gm12	15468723	15468898	Gmdrm	hypo	CG	-0.684
Gm12	15469506	15469835	Gmdrm	hypo	CG	-0.2593
Gm12	15470398	15470553	Gmdrm	hypo	CG	-0.705
Gm12	15477876	15477946	Gmdrm	hypo	CG	-0.8437
Gm12	15478067	15478131	Gmdrm	hypo	CG	-0.2867
Gm12	15483035	15483180	Gmdrm	hypo	CG	-0.89
Gm12	15521634	15522218	Gmdrm	hypo	CG	-0.0861
Gm12	15528066	15528176	Gmdrm	hypo	CG	-0.321
Gm12	15528549	15528681	Gmdrm	hypo	CG	-0.2484
Gm12	15568566	15568717	Gmdrm	hypo	CG	-0.2744
Gm12	15569583	15569627	Gmdrm	hypo	CG	-0.85
Gm12	15570010	15570088	Gmdrm	hypo	CG	-0.368
Gm12	15570207	15570429	Gmdrm	hypo	CG	-0.4408

Gm12	15574104	15574127 Gmdrm	hypo	CG	-0.27
Gm12	15586151	15586234 Gmdrm	hypo	CG	-0.04
Gm12	15631495	15631550 Gmdrm	hypo	CG	-0.5834
Gm12	15635017	15635245 Gmdrm	hypo	CG	-0.148
Gm12	15641619	15641756 Gmdrm	hypo	CG	-0.6458
Gm12	15649635	15649900 Gmdrm	hypo	CG	-0.694
Gm12	15651852	15651899 Gmdrm	hypo	CG	-0.98
Gm12	15656358	15656431 Gmdrm	hypo	CG	-0.6525
Gm12	15680347	15680358 Gmdrm	hypo	CG	-0.7966
Gm12	15796645	15796709 Gmdrm	hypo	CG	-0.9233
Gm12	15809718	15809819 Gmdrm	hypo	CG	-0.615
Gm12	15844647	15844679 Gmdrm	hypo	CG	-0.5184
Gm12	15917763	15917884 Gmdrm	hypo	CG	-0.7317
Gm12	15918023	15918098 Gmdrm	hypo	CG	-0.885
Gm12	15998487	15999051 Gmdrm	hypo	CG	-0.2173
Gm12	16043603	16044347 Gmdrm	hypo	CG	-0.0315
Gm12	16050626	16050775 Gmdrm	hypo	CG	-0.943
Gm12	16051016	16051165 Gmdrm	hypo	CG	-0.969
Gm12	16060425	16060946 Gmdrm	hypo	CG	-0.0688
Gm12	16078162	16078683 Gmdrm	hypo	CG	-0.0625
Gm12	16140322	16141258 Gmdrm	hypo	CG	-0.0385
Gm12	16194646	16195308 Gmdrm	hypo	CG	-0.0603
Gm12	16198283	16198439 Gmdrm	hypo	CG	-0.5714
Gm12	16230615	16230652 Gmdrm	hypo	CG	-0.055
Gm12	16244083	16244120 Gmdrm	hypo	CG	-0.8
Gm12	16252476	16252757 Gmdrm	hypo	CG	-0.888
Gm12	16285863	16286057 Gmdrm	hypo	CG	-0.6171
Gm12	16330787	16331045 Gmdrm	hypo	CG	-0.4707
Gm12	16343855	16344129 Gmdrm	hypo	CG	-0.5581
Gm12	16355514	16355765 Gmdrm	hypo	CG	-0.155
Gm12	16358264	16358454 Gmdrm	hypo	CG	-0.3045
Gm12	16386265	16386775 Gmdrm	hypo	CG	-0.8013
Gm12	16467875	16467978 Gmdrm	hypo	CG	-0.105
Gm12	16474371	16474490 Gmdrm	hypo	CG	-0.578
Gm12	16479257	16479359 Gmdrm	hypo	CG	-0.218
Gm12	16512787	16513535 Gmdrm	hypo	CG	-0.04
Gm12	16549689	16549915 Gmdrm	hypo	CG	-0.0349
Gm12	16634809	16635083 Gmdrm	hypo	CG	-0.1365
Gm12	16648571	16648809 Gmdrm	hypo	CG	-0.32
Gm12	16657298	16657364 Gmdrm	hypo	CG	-0.1217
Gm12	16674972	16675647 Gmdrm	hypo	CG	-0.5955
Gm12	16765687	16766050 Gmdrm	hypo	CG	-0.1675
Gm12	16767700	16767808 Gmdrm	hypo	CG	-0.7738
Gm12	16768801	16768950 Gmdrm	hypo	CG	-0.976
Gm12	16799699	16799790 Gmdrm	hypo	CG	-0.28
Gm12	16826869	16826935 Gmdrm	hypo	CG	-0.0537

Gm12	16828000	16828057	Gmdrm	hypo	CG	-0.07
Gm12	16841437	16841514	Gmdrm	hypo	CG	-0.072
Gm12	16856996	16857175	Gmdrm	hypo	CG	-0.0812
Gm12	16893250	16894198	Gmdrm	hypo	CG	-0.0318
Gm12	16900726	16900833	Gmdrm	hypo	CG	-0.058
Gm12	16902012	16902181	Gmdrm	hypo	CG	-0.2928
Gm12	16976377	16976425	Gmdrm	hypo	CG	-0.8813
Gm12	17033891	17033947	Gmdrm	hypo	CG	-0.964
Gm12	17088719	17089382	Gmdrm	hypo	CG	-0.0387
Gm12	17152348	17152552	Gmdrm	hypo	CG	-0.0841
Gm12	17166180	17166231	Gmdrm	hypo	CG	-0.064
Gm12	17169496	17169640	Gmdrm	hypo	CG	-0.5529
Gm12	17185541	17185662	Gmdrm	hypo	CG	-0.2609
Gm12	17192972	17193114	Gmdrm	hypo	CG	-0.5167
Gm12	17194539	17194775	Gmdrm	hypo	CG	-0.5058
Gm12	17205578	17205646	Gmdrm	hypo	CG	-0.9178
Gm12	17205850	17206038	Gmdrm	hypo	CG	-0.8562
Gm12	17249510	17249610	Gmdrm	hypo	CG	-0.8883
Gm12	17256610	17256729	Gmdrm	hypo	CG	-0.1413
Gm12	17291940	17291987	Gmdrm	hypo	CG	-0.0378
Gm12	17348632	17349196	Gmdrm	hypo	CG	-0.0282
Gm12	17368411	17368565	Gmdrm	hypo	CG	-0.4483
Gm12	17368698	17368735	Gmdrm	hypo	CG	-0.4589
Gm12	17396484	17396525	Gmdrm	hypo	CG	-0.1066
Gm12	17417181	17417413	Gmdrm	hypo	CG	-0.1467
Gm12	17425218	17425366	Gmdrm	hypo	CG	-0.0847
Gm12	17432892	17433235	Gmdrm	hypo	CG	-0.04
Gm12	17474343	17474485	Gmdrm	hypo	CG	-0.0467
Gm12	17511860	17511960	Gmdrm	hypo	CG	-0.3649
Gm12	17515859	17516427	Gmdrm	hypo	CG	-0.0237
Gm12	17561355	17561469	Gmdrm	hypo	CG	-0.12
Gm12	17604519	17604578	Gmdrm	hypo	CG	-0.5683
Gm12	17615548	17615758	Gmdrm	hypo	CG	-0.03
Gm12	17627643	17627692	Gmdrm	hypo	CG	-0.1162
Gm12	17633167	17633305	Gmdrm	hypo	CG	-0.359
Gm12	17649921	17649980	Gmdrm	hypo	CG	-0.885
Gm12	17681019	17681101	Gmdrm	hypo	CG	-0.225
Gm12	17787544	17787589	Gmdrm	hypo	CG	-0.4684
Gm12	17848875	17848889	Gmdrm	hypo	CG	-0.855
Gm12	17849504	17849618	Gmdrm	hypo	CG	-0.922
Gm12	17945181	17945319	Gmdrm	hypo	CG	-0.0489
Gm12	17957181	17957487	Gmdrm	hypo	CG	-0.0378
Gm12	17993835	17994046	Gmdrm	hypo	CG	-0.1772
Gm12	18047122	18047413	Gmdrm	hypo	CG	-0.1136
Gm12	18060044	18060999	Gmdrm	hypo	CG	-0.1079
Gm12	18068700	18069047	Gmdrm	hypo	CG	-0.3494

Gm12	18135896	18136043	Gmdrm	hypo	CG	-0.0833
Gm12	18143161	18143268	Gmdrm	hypo	CG	-0.9283
Gm12	18143984	18144106	Gmdrm	hypo	CG	-0.8084
Gm12	18163454	18163807	Gmdrm	hypo	CG	-0.0332
Gm12	18177056	18177109	Gmdrm	hypo	CG	-0.25
Gm12	18199201	18199496	Gmdrm	hypo	CG	-0.0561
Gm12	18210625	18210808	Gmdrm	hypo	CG	-0.04
Gm12	18221187	18221264	Gmdrm	hypo	CG	-0.092
Gm12	18227356	18227925	Gmdrm	hypo	CG	-0.0426
Gm12	18304233	18304347	Gmdrm	hypo	CG	-0.08
Gm12	18316340	18316680	Gmdrm	hypo	CG	-0.1934
Gm12	18353348	18353644	Gmdrm	hypo	CG	-0.0812
Gm12	18470237	18470367	Gmdrm	hypo	CG	-0.8485
Gm12	18477505	18477558	Gmdrm	hypo	CG	-0.695
Gm12	18495589	18495955	Gmdrm	hypo	CG	-0.2697
Gm12	18501883	18502209	Gmdrm	hypo	CG	-0.04
Gm12	18543633	18544067	Gmdrm	hypo	CG	-0.2454
Gm12	18547339	18547588	Gmdrm	hypo	CG	-0.0975
Gm12	18560580	18560738	Gmdrm	hypo	CG	-0.0663
Gm12	18560994	18561091	Gmdrm	hypo	CG	-0.1316
Gm12	18780453	18781180	Gmdrm	hypo	CG	-0.0467
Gm12	18827049	18827504	Gmdrm	hypo	CG	-0.0425
Gm12	18830670	18830897	Gmdrm	hypo	CG	-0.19
Gm12	18836202	18836252	Gmdrm	hypo	CG	-0.08
Gm12	18858599	18858796	Gmdrm	hypo	CG	-0.7356
Gm12	18866521	18866746	Gmdrm	hypo	CG	-0.0761
Gm12	18938759	18938942	Gmdrm	hypo	CG	-0.086
Gm12	18944479	18944604	Gmdrm	hypo	CG	-0.6367
Gm12	19035464	19035520	Gmdrm	hypo	CG	-0.055
Gm12	19094328	19094375	Gmdrm	hypo	CG	-0.91
Gm12	19100960	19101047	Gmdrm	hypo	CG	-0.09
Gm12	19131874	19132121	Gmdrm	hypo	CG	-0.029
Gm12	19278345	19278457	Gmdrm	hypo	CG	-0.4575
Gm12	19312049	19312406	Gmdrm	hypo	CG	-0.0678
Gm12	19383481	19383553	Gmdrm	hypo	CG	-0.4358
Gm12	19442013	19442645	Gmdrm	hypo	CG	-0.0373
Gm12	19488720	19489718	Gmdrm	hypo	CG	-0.0357
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Gm12	19625566	19625787	Gmdrm	hypo	CG	-0.2527
Gm12	19637316	19637936	Gmdrm	hypo	CG	-0.04
Gm12	19663455	19663536	Gmdrm	hypo	CG	-0.105
Gm12	19683140	19683687	Gmdrm	hypo	CG	-0.071
Gm12	19775269	19775340	Gmdrm	hypo	CG	-0.148
Gm12	19801449	19801758	Gmdrm	hypo	CG	-0.1
Gm12	19873349	19873433	Gmdrm	hypo	CG	-0.3034
Gm12	19928892	19929015	Gmdrm	hypo	CG	-0.0767

Gm12	19945132	19945630	Gmdrm	hypo	CG	-0.0621
Gm12	20055241	20055410	Gmdrm	hypo	CG	-0.0387
Gm12	20140392	20140579	Gmdrm	hypo	CG	-0.0367
Gm12	20142232	20142328	Gmdrm	hypo	CG	-0.648
Gm12	20285053	20285167	Gmdrm	hypo	CG	-0.1733
Gm12	20335549	20335776	Gmdrm	hypo	CG	-0.0867
Gm12	20357212	20357328	Gmdrm	hypo	CG	-0.1063
Gm12	20362520	20362969	Gmdrm	hypo	CG	-0.0416
Gm12	20369200	20370017	Gmdrm	hypo	CG	-0.0377
Gm12	20371945	20371972	Gmdrm	hypo	CG	-0.91
Gm12	20372133	20372232	Gmdrm	hypo	CG	-0.8562
Gm12	20415571	20416130	Gmdrm	hypo	CG	-0.042
Gm12	20450966	20451070	Gmdrm	hypo	CG	-0.8674
Gm12	20451412	20451466	Gmdrm	hypo	CG	-0.72
Gm12	20457685	20457810	Gmdrm	hypo	CG	-0.0562
Gm12	20465322	20465349	Gmdrm	hypo	CG	-0.67
Gm12	20469076	20469135	Gmdrm	hypo	CG	-0.6088
Gm12	20536607	20536692	Gmdrm	hypo	CG	-0.7633
Gm12	20540108	20540232	Gmdrm	hypo	CG	-0.61
Gm12	20540334	20540581	Gmdrm	hypo	CG	-0.0769
Gm12	20552035	20552228	Gmdrm	hypo	CG	-0.9285
Gm12	20628088	20628272	Gmdrm	hypo	CG	-0.604
Gm12	20632529	20633527	Gmdrm	hypo	CG	-0.0359
Gm12	20721643	20721785	Gmdrm	hypo	CG	-0.8929
Gm12	20726691	20726731	Gmdrm	hypo	CG	-0.5367
Gm12	20728713	20729082	Gmdrm	hypo	CG	-0.1042
Gm12	20740354	20740476	Gmdrm	hypo	CG	-0.0617
Gm12	20799519	20800158	Gmdrm	hypo	CG	-0.0336
Gm12	20825512	20825533	Gmdrm	hypo	CG	-0.388
Gm12	20825637	20825818	Gmdrm	hypo	CG	-0.971
Gm12	20826603	20826858	Gmdrm	hypo	CG	-0.8023
Gm12	20834844	20834907	Gmdrm	hypo	CG	-0.6034
Gm12	20850741	20850755	Gmdrm	hypo	CG	-0.07
Gm12	20864024	20864256	Gmdrm	hypo	CG	-0.0332
Gm12	20894015	20894146	Gmdrm	hypo	CG	-0.0447
Gm12	20935845	20936013	Gmdrm	hypo	CG	-0.1357
Gm12	20966070	20966520	Gmdrm	hypo	CG	-0.0409
Gm12	21106322	21106503	Gmdrm	hypo	CG	-0.042
Gm12	21121964	21121996	Gmdrm	hypo	CG	-0.9767
Gm12	21123493	21123828	Gmdrm	hypo	CG	-0.8214
Gm12	21204847	21205136	Gmdrm	hypo	CG	-0.2208
Gm12	21210437	21210587	Gmdrm	hypo	CG	-0.1388
Gm12	21250208	21250245	Gmdrm	hypo	CG	-0.1017
Gm12	21256962	21257091	Gmdrm	hypo	CG	-0.0575
Gm12	21279378	21279456	Gmdrm	hypo	CG	-0.6843
Gm12	21280561	21280835	Gmdrm	hypo	CG	-0.5917

Gm12	21308867	21309229	Gmdrm	hypo	CG	-0.0643
Gm12	21447052	21447461	Gmdrm	hypo	CG	-0.0932
Gm12	21484235	21484698	Gmdrm	hypo	CG	-0.0237
Gm12	21490580	21490758	Gmdrm	hypo	CG	-0.1567
Gm12	21534765	21534798	Gmdrm	hypo	CG	-0.8483
Gm12	21548797	21549177	Gmdrm	hypo	CG	-0.2347
Gm12	21634356	21634378	Gmdrm	hypo	CG	-0.0934
Gm12	21646404	21646477	Gmdrm	hypo	CG	-0.5325
Gm12	21649331	21649524	Gmdrm	hypo	CG	-0.1242
Gm12	21650573	21650656	Gmdrm	hypo	CG	-0.0693
Gm12	21651674	21651873	Gmdrm	hypo	CG	-0.065
Gm12	21712401	21712539	Gmdrm	hypo	CG	-0.175
Gm12	21728405	21728445	Gmdrm	hypo	CG	-0.965
Gm12	21728604	21728665	Gmdrm	hypo	CG	-0.882
Gm12	21730249	21730266	Gmdrm	hypo	CG	-0.162
Gm12	21750276	21750482	Gmdrm	hypo	CG	-0.0305
Gm12	21789486	21789680	Gmdrm	hypo	CG	-0.42
Gm12	21811600	21811689	Gmdrm	hypo	CG	-0.24
Gm12	21860088	21860893	Gmdrm	hypo	CG	-0.5426
Gm12	21861012	21861136	Gmdrm	hypo	CG	-0.1286
Gm12	21895297	21895363	Gmdrm	hypo	CG	-0.5284
Gm12	21895672	21895961	Gmdrm	hypo	CG	-0.81
Gm12	21897940	21898281	Gmdrm	hypo	CG	-0.5167
Gm12	21961993	21962128	Gmdrm	hypo	CG	-0.0838
Gm12	21995568	21996115	Gmdrm	hypo	CG	-0.1685
Gm12	22014168	22015144	Gmdrm	hypo	CG	-0.0466
Gm12	22059792	22059897	Gmdrm	hypo	CG	-0.515
Gm12	22102488	22102609	Gmdrm	hypo	CG	-0.877
Gm12	22137021	22137047	Gmdrm	hypo	CG	-0.1167
Gm12	22444980	22445960	Gmdrm	hypo	CG	-0.0283
Gm12	22540721	22540794	Gmdrm	hypo	CG	-0.16
Gm12	22571087	22571179	Gmdrm	hypo	CG	-0.128
Gm12	22608631	22609284	Gmdrm	hypo	CG	-0.0537
Gm12	22615899	22616208	Gmdrm	hypo	CG	-0.0825
Gm12	22650180	22650651	Gmdrm	hypo	CG	-0.0954
Gm12	22663893	22663972	Gmdrm	hypo	CG	-0.7134
Gm12	22721708	22722703	Gmdrm	hypo	CG	-0.0493
Gm12	22727380	22727695	Gmdrm	hypo	CG	-0.0411
Gm12	22731090	22731125	Gmdrm	hypo	CG	-0.057
Gm12	22750591	22751234	Gmdrm	hypo	CG	-0.0465
Gm12	22765980	22766217	Gmdrm	hypo	CG	-0.0317
Gm12	22766396	22766517	Gmdrm	hypo	CG	-0.8557
Gm12	22769048	22769296	Gmdrm	hypo	CG	-0.3925
Gm12	22822613	22823380	Gmdrm	hypo	CG	-0.0328
Gm12	22823542	22823715	Gmdrm	hypo	CG	-0.058
Gm12	22857192	22857740	Gmdrm	hypo	CG	-0.3354

Gm12	22922566	22922826	Gmdrm	hypo	CG	-0.0578
Gm12	22962435	22962568	Gmdrm	hypo	CG	-0.0725
Gm12	22964536	22964732	Gmdrm	hypo	CG	-0.0625
Gm12	22977614	22977695	Gmdrm	hypo	CG	-0.0517
Gm12	22986398	22986672	Gmdrm	hypo	CG	-0.1469
Gm12	23047700	23048023	Gmdrm	hypo	CG	-0.1595
Gm12	23061174	23061278	Gmdrm	hypo	CG	-0.2684
Gm12	23126827	23127323	Gmdrm	hypo	CG	-0.0284
Gm12	23158514	23158718	Gmdrm	hypo	CG	-0.0721
Gm12	23189565	23189812	Gmdrm	hypo	CG	-0.0656
Gm12	23194771	23194844	Gmdrm	hypo	CG	-0.044
Gm12	23197017	23197066	Gmdrm	hypo	CG	-0.1138
Gm12	23220932	23221069	Gmdrm	hypo	CG	-0.1875
Gm12	23243145	23243585	Gmdrm	hypo	CG	-0.0497
Gm12	23261311	23261491	Gmdrm	hypo	CG	-0.078
Gm12	23271863	23272181	Gmdrm	hypo	CG	-0.0797
Gm12	23284889	23284981	Gmdrm	hypo	CG	-0.0873
Gm12	23295145	23295234	Gmdrm	hypo	CG	-0.1512
Gm12	23320760	23321060	Gmdrm	hypo	CG	-0.08
Gm12	23488655	23489056	Gmdrm	hypo	CG	-0.0405
Gm12	23491827	23491859	Gmdrm	hypo	CG	-0.078
Gm12	23492551	23492998	Gmdrm	hypo	CG	-0.0813
Gm12	23536456	23536602	Gmdrm	hypo	CG	-0.0885
Gm12	23540440	23540840	Gmdrm	hypo	CG	-0.0545
Gm12	23592776	23593110	Gmdrm	hypo	CG	-0.0521
Gm12	23602376	23602484	Gmdrm	hypo	CG	-0.0967
Gm12	23610887	23610970	Gmdrm	hypo	CG	-0.125
Gm12	23758202	23758323	Gmdrm	hypo	CG	-0.0833
Gm12	23771435	23771501	Gmdrm	hypo	CG	-0.885
Gm12	23771738	23771835	Gmdrm	hypo	CG	-0.725
Gm12	23773139	23773336	Gmdrm	hypo	CG	-0.4162
Gm12	23773498	23773584	Gmdrm	hypo	CG	-0.1634
Gm12	23773931	23774169	Gmdrm	hypo	CG	-0.3433
Gm12	23776464	23776573	Gmdrm	hypo	CG	-0.2817
Gm12	23833076	23833480	Gmdrm	hypo	CG	-0.0689
Gm12	23850499	23850634	Gmdrm	hypo	CG	-0.7989
Gm12	23853256	23853405	Gmdrm	hypo	CG	-0.289
Gm12	23890188	23890256	Gmdrm	hypo	CG	-0.061
Gm12	23907245	23907349	Gmdrm	hypo	CG	-0.8434
Gm12	23909054	23909212	Gmdrm	hypo	CG	-0.26
Gm12	23909541	23909652	Gmdrm	hypo	CG	-0.118
Gm12	23909789	23909957	Gmdrm	hypo	CG	-0.39
Gm12	23910177	23910294	Gmdrm	hypo	CG	-0.6391
Gm12	23944378	23945313	Gmdrm	hypo	CG	-0.0328
Gm12	23952717	23952944	Gmdrm	hypo	CG	-0.0683
Gm12	23999056	23999084	Gmdrm	hypo	CG	-0.2

Gm12	24010489	24010540	Gmdrm	hypo	CG	-0.152
Gm12	24021487	24021955	Gmdrm	hypo	CG	-0.04
Gm12	24034221	24034496	Gmdrm	hypo	CG	-0.015
Gm12	24040221	24040424	Gmdrm	hypo	CG	-0.01
Gm12	24052099	24052207	Gmdrm	hypo	CG	-0.0509
Gm12	24158635	24158765	Gmdrm	hypo	CG	-0.5644
Gm12	24315404	24315611	Gmdrm	hypo	CG	-0.0438
Gm12	24350943	24351143	Gmdrm	hypo	CG	-0.87
Gm12	24373292	24373619	Gmdrm	hypo	CG	-0.0854
Gm12	24375768	24375862	Gmdrm	hypo	CG	-0.1
Gm12	24545128	24545176	Gmdrm	hypo	CG	-0.8571
Gm12	24560692	24560740	Gmdrm	hypo	CG	-0.0425
Gm12	24561434	24561828	Gmdrm	hypo	CG	-0.2795
Gm12	24570633	24570709	Gmdrm	hypo	CG	-0.902
Gm12	24580276	24580657	Gmdrm	hypo	CG	-0.0743
Gm12	24593104	24594035	Gmdrm	hypo	CG	-0.0546
Gm12	24640263	24640462	Gmdrm	hypo	CG	-0.1741
Gm12	24649901	24650034	Gmdrm	hypo	CG	-0.5625
Gm12	24694656	24694712	Gmdrm	hypo	CG	-0.1667
Gm12	24775325	24775689	Gmdrm	hypo	CG	-0.0736
Gm12	24799856	24799964	Gmdrm	hypo	CG	-0.0878
Gm12	24814289	24814641	Gmdrm	hypo	CG	-0.0569
Gm12	24863115	24863233	Gmdrm	hypo	CG	-0.0625
Gm12	24879949	24880082	Gmdrm	hypo	CG	-0.0533
Gm12	24882259	24882324	Gmdrm	hypo	CG	-0.044
Gm12	24911252	24911330	Gmdrm	hypo	CG	-0.7972
Gm12	24925747	24926302	Gmdrm	hypo	CG	-0.105
Gm12	24987418	24987487	Gmdrm	hypo	CG	-0.194
Gm12	25038946	25039922	Gmdrm	hypo	CG	-0.1352
Gm12	25087469	25087797	Gmdrm	hypo	CG	-0.0629
Gm12	25118674	25118746	Gmdrm	hypo	CG	-0.0725
Gm12	25152807	25153026	Gmdrm	hypo	CG	-0.1022
Gm12	25160979	25161424	Gmdrm	hypo	CG	-0.0504
Gm12	25284999	25285799	Gmdrm	hypo	CG	-0.0457
Gm12	25338179	25339111	Gmdrm	hypo	CG	-0.0594
Gm12	25426396	25426520	Gmdrm	hypo	CG	-0.6156
Gm12	25426886	25426960	Gmdrm	hypo	CG	-0.068
Gm12	25432063	25432231	Gmdrm	hypo	CG	-0.5125
Gm12	25438664	25438873	Gmdrm	hypo	CG	-0.9213
Gm12	25485358	25486356	Gmdrm	hypo	CG	-0.0291
Gm12	25494948	25495220	Gmdrm	hypo	CG	-0.1328
Gm12	25501982	25502294	Gmdrm	hypo	CG	-0.5107
Gm12	25502402	25502666	Gmdrm	hypo	CG	-0.4575
Gm12	25503213	25503635	Gmdrm	hypo	CG	-0.1168
Gm12	25511269	25511479	Gmdrm	hypo	CG	-0.476
Gm12	25511865	25511982	Gmdrm	hypo	CG	-0.6588

Gm12	25550693	25550931	Gmdrm	hypo	CG	-0.0719
Gm12	25582846	25583149	Gmdrm	hypo	CG	-0.0711
Gm12	25680239	25680382	Gmdrm	hypo	CG	-0.578
Gm12	25766223	25766738	Gmdrm	hypo	CG	-0.0297
Gm12	25794549	25794673	Gmdrm	hypo	CG	-0.5734
Gm12	25807233	25807314	Gmdrm	hypo	CG	-0.296
Gm12	25842294	25842434	Gmdrm	hypo	CG	-0.0521
Gm12	25858796	25859309	Gmdrm	hypo	CG	-0.0505
Gm12	25947770	25947809	Gmdrm	hypo	CG	-0.142
Gm12	26044626	26044903	Gmdrm	hypo	CG	-0.0708
Gm12	26120638	26121205	Gmdrm	hypo	CG	-0.055
Gm12	26293831	26293921	Gmdrm	hypo	CG	-0.075
Gm12	26337358	26337531	Gmdrm	hypo	CG	-0.0782
Gm12	26341880	26342057	Gmdrm	hypo	CG	-0.4332
Gm12	26398626	26399248	Gmdrm	hypo	CG	-0.0403
Gm12	26427043	26427156	Gmdrm	hypo	CG	-0.0928
Gm12	26447994	26448112	Gmdrm	hypo	CG	-0.058
Gm12	26455514	26455541	Gmdrm	hypo	CG	-0.3316
Gm12	26531686	26531741	Gmdrm	hypo	CG	-0.093
Gm12	26575153	26575348	Gmdrm	hypo	CG	-0.0552
Gm12	26649385	26649748	Gmdrm	hypo	CG	-0.1078
Gm12	26659842	26659895	Gmdrm	hypo	CG	-0.148
Gm12	26673724	26674432	Gmdrm	hypo	CG	-0.055
Gm12	26776864	26777452	Gmdrm	hypo	CG	-0.0325
Gm12	26779733	26780037	Gmdrm	hypo	CG	-0.0555
Gm12	26922114	26922384	Gmdrm	hypo	CG	-0.055
Gm12	26977930	26978323	Gmdrm	hypo	CG	-0.0995
Gm12	27052571	27052874	Gmdrm	hypo	CG	-0.0588
Gm12	27065835	27066403	Gmdrm	hypo	CG	-0.0488
Gm12	27109444	27109777	Gmdrm	hypo	CG	-0.0682
Gm12	27129927	27130907	Gmdrm	hypo	CG	-0.0376
Gm12	27150192	27150241	Gmdrm	hypo	CG	-0.266
Gm12	27180035	27180160	Gmdrm	hypo	CG	-0.0706
Gm12	27256066	27256229	Gmdrm	hypo	CG	-0.0349
Gm12	27257280	27257699	Gmdrm	hypo	CG	-0.0338
Gm12	27337686	27338021	Gmdrm	hypo	CG	-0.6125
Gm12	27362424	27362547	Gmdrm	hypo	CG	-0.045
Gm12	27366811	27366895	Gmdrm	hypo	CG	-0.9533
Gm12	27367414	27367516	Gmdrm	hypo	CG	-0.91
Gm12	27369111	27369264	Gmdrm	hypo	CG	-0.3673
Gm12	27472406	27472490	Gmdrm	hypo	CG	-0.495
Gm12	27479897	27480061	Gmdrm	hypo	CG	-0.5575
Gm12	27480192	27480316	Gmdrm	hypo	CG	-0.651
Gm12	27494345	27495297	Gmdrm	hypo	CG	-0.076
Gm12	27532846	27533153	Gmdrm	hypo	CG	-0.0923
Gm12	27738339	27738625	Gmdrm	hypo	CG	-0.0371

Gm12	27892326	27892446	Gmdrm	hypo	CG	-0.1166
Gm12	27894752	27894980	Gmdrm	hypo	CG	-0.0857
Gm12	27906104	27906683	Gmdrm	hypo	CG	-0.0238
Gm12	27968706	27969301	Gmdrm	hypo	CG	-0.038
Gm12	28065704	28066330	Gmdrm	hypo	CG	-0.0337
Gm12	28078434	28079149	Gmdrm	hypo	CG	-0.0421
Gm12	28098251	28098897	Gmdrm	hypo	CG	-0.0506
Gm12	28222229	28222526	Gmdrm	hypo	CG	-0.1207
Gm12	28250132	28250488	Gmdrm	hypo	CG	-0.1018
Gm12	28254348	28254448	Gmdrm	hypo	CG	-0.102
Gm12	28264474	28264647	Gmdrm	hypo	CG	-0.09
Gm12	28321782	28321882	Gmdrm	hypo	CG	-0.1083
Gm12	28328309	28328684	Gmdrm	hypo	CG	-0.0539
Gm12	28334578	28335079	Gmdrm	hypo	CG	-0.0272
Gm12	28353013	28353334	Gmdrm	hypo	CG	-0.37
Gm12	28373800	28374294	Gmdrm	hypo	CG	-0.0551
Gm12	28417846	28418411	Gmdrm	hypo	CG	-0.0641
Gm12	28419276	28419903	Gmdrm	hypo	CG	-0.0404
Gm12	28479248	28479474	Gmdrm	hypo	CG	-0.0843
Gm12	28541005	28541070	Gmdrm	hypo	CG	-0.1562
Gm12	28607031	28607236	Gmdrm	hypo	CG	-0.9025
Gm12	28688700	28688787	Gmdrm	hypo	CG	-0.09
Gm12	28701782	28701980	Gmdrm	hypo	CG	-0.0893
Gm12	28808703	28808799	Gmdrm	hypo	CG	-0.0637
Gm12	28821367	28821375	Gmdrm	hypo	CG	-0.1
Gm12	28828975	28829035	Gmdrm	hypo	CG	-0.0694
Gm12	28987553	28987708	Gmdrm	hypo	CG	-0.0735
Gm12	29025938	29026058	Gmdrm	hypo	CG	-0.785
Gm12	29027060	29027148	Gmdrm	hypo	CG	-0.73
Gm12	29043272	29043543	Gmdrm	hypo	CG	-0.0441
Gm12	29048124	29048507	Gmdrm	hypo	CG	-0.0618
Gm12	29105851	29106712	Gmdrm	hypo	CG	-0.029
Gm12	29182837	29183225	Gmdrm	hypo	CG	-0.0552
Gm12	29293684	29293756	Gmdrm	hypo	CG	-0.086
Gm12	29342403	29342600	Gmdrm	hypo	CG	-0.0756
Gm12	29493280	29493447	Gmdrm	hypo	CG	-0.1244
Gm12	29505286	29505384	Gmdrm	hypo	CG	-0.0922
Gm12	29508013	29508596	Gmdrm	hypo	CG	-0.0529
Gm12	29569023	29569236	Gmdrm	hypo	CG	-0.175
Gm12	29617303	29617693	Gmdrm	hypo	CG	-0.0496
Gm12	29618071	29618234	Gmdrm	hypo	CG	-0.0377
Gm12	29695576	29695621	Gmdrm	hypo	CG	-0.069
Gm12	29755561	29756559	Gmdrm	hypo	CG	-0.0287
Gm12	29796399	29796522	Gmdrm	hypo	CG	-0.1556
Gm12	29813713	29813767	Gmdrm	hypo	CG	-0.0475
Gm12	29887704	29887748	Gmdrm	hypo	CG	-0.09

Gm12	29917278	29918108	Gmdrm	hypo	CG	-0.0368
Gm12	30130250	30130328	Gmdrm	hypo	CG	-0.0687
Gm12	30146831	30147202	Gmdrm	hypo	CG	-0.0664
Gm12	30191723	30192707	Gmdrm	hypo	CG	-0.0436
Gm12	30367833	30368061	Gmdrm	hypo	CG	-0.1343
Gm12	30485260	30485347	Gmdrm	hypo	CG	-0.1542
Gm12	30485855	30485893	Gmdrm	hypo	CG	-0.095
Gm12	30486270	30486521	Gmdrm	hypo	CG	-0.3616
Gm12	30491940	30492001	Gmdrm	hypo	CG	-0.419
Gm12	30492368	30492668	Gmdrm	hypo	CG	-0.3675
Gm12	30496613	30496645	Gmdrm	hypo	CG	-0.225
Gm12	30502911	30503252	Gmdrm	hypo	CG	-0.0656
Gm12	30621311	30621401	Gmdrm	hypo	CG	-0.1322
Gm12	30633626	30633921	Gmdrm	hypo	CG	-0.1475
Gm12	30662227	30662502	Gmdrm	hypo	CG	-0.0861
Gm12	30815881	30815913	Gmdrm	hypo	CG	-0.705
Gm12	30828239	30828464	Gmdrm	hypo	CG	-0.0683
Gm12	30840279	30840310	Gmdrm	hypo	CG	-0.0944
Gm12	30842234	30842311	Gmdrm	hypo	CG	-0.1701
Gm12	30842537	30842609	Gmdrm	hypo	CG	-0.4975
Gm12	30844808	30844892	Gmdrm	hypo	CG	-0.165
Gm12	30857292	30857322	Gmdrm	hypo	CG	-0.5433
Gm12	30859299	30859454	Gmdrm	hypo	CG	-0.1863
Gm12	30871333	30871539	Gmdrm	hypo	CG	-0.2694
Gm12	30873674	30874410	Gmdrm	hypo	CG	-0.6584
Gm12	30878985	30879083	Gmdrm	hypo	CG	-0.37
Gm12	30879889	30879936	Gmdrm	hypo	CG	-0.28
Gm12	30962467	30962510	Gmdrm	hypo	CG	-0.0713
Gm12	31055180	31055560	Gmdrm	hypo	CG	-0.081
Gm12	31104232	31104388	Gmdrm	hypo	CG	-0.06
Gm12	31136366	31137212	Gmdrm	hypo	CG	-0.04
Gm12	31191123	31191175	Gmdrm	hypo	CG	-0.0767
Gm12	31206039	31206431	Gmdrm	hypo	CG	-0.0473
Gm12	31233074	31233188	Gmdrm	hypo	CG	-0.0563
Gm12	31289338	31289584	Gmdrm	hypo	CG	-0.245
Gm12	31356165	31356462	Gmdrm	hypo	CG	-0.0431
Gm12	31408380	31408610	Gmdrm	hypo	CG	-0.08
Gm12	31438946	31439023	Gmdrm	hypo	CG	-0.5756
Gm12	31439679	31439829	Gmdrm	hypo	CG	-0.4233
Gm12	31441955	31442093	Gmdrm	hypo	CG	-0.0975
Gm12	31442600	31442726	Gmdrm	hypo	CG	-0.2467
Gm12	31446062	31446286	Gmdrm	hypo	CG	-0.875
Gm12	31543704	31543879	Gmdrm	hypo	CG	-0.9062
Gm12	31580795	31580979	Gmdrm	hypo	CG	-0.0877
Gm12	31592378	31592691	Gmdrm	hypo	CG	-0.0332
Gm12	31647563	31647998	Gmdrm	hypo	CG	-0.0654

Gm12	31742240	31742917 Gmdrm	hypo	CG	-0.026
Gm12	31772841	31773447 Gmdrm	hypo	CG	-0.039
Gm12	31844875	31845345 Gmdrm	hypo	CG	-0.0503
Gm12	31850654	31850946 Gmdrm	hypo	CG	-0.321
Gm12	31867560	31867654 Gmdrm	hypo	CG	-0.4471
Gm12	31907363	31908324 Gmdrm	hypo	CG	-0.0572
Gm12	31912502	31912830 Gmdrm	hypo	CG	-0.2661
Gm12	31918214	31918564 Gmdrm	hypo	CG	-0.1436
Gm12	31953674	31953751 Gmdrm	hypo	CG	-0.0683
Gm12	31989353	31989421 Gmdrm	hypo	CG	-0.07
Gm12	31997922	31998099 Gmdrm	hypo	CG	-0.0727
Gm12	32018991	32019411 Gmdrm	hypo	CG	-0.05
Gm12	32029201	32029822 Gmdrm	hypo	CG	-0.0245
Gm12	32069791	32069892 Gmdrm	hypo	CG	-0.0986
Gm12	32176485	32176546 Gmdrm	hypo	CG	-0.1689
Gm12	32198413	32198441 Gmdrm	hypo	CG	-0.81
Gm12	32210238	32210559 Gmdrm	hypo	CG	-0.0422
Gm12	32284308	32284383 Gmdrm	hypo	CG	-0.4674
Gm12	32285449	32285571 Gmdrm	hypo	CG	-0.148
Gm12	32286243	32286517 Gmdrm	hypo	CG	-0.2172
Gm12	32302771	32302911 Gmdrm	hypo	CG	-0.3383
Gm12	32343166	32343413 Gmdrm	hypo	CG	-0.0418
Gm12	32353322	32353872 Gmdrm	hypo	CG	-0.4169
Gm12	32354007	32354075 Gmdrm	hypo	CG	-0.595
Gm12	32372695	32372962 Gmdrm	hypo	CG	-0.2984
Gm12	32373305	32373322 Gmdrm	hypo	CG	-0.7967
Gm12	32384091	32384485 Gmdrm	hypo	CG	-0.0593
Gm12	32417643	32417841 Gmdrm	hypo	CG	-0.1146
Gm12	32482523	32483075 Gmdrm	hypo	CG	-0.045
Gm12	32498225	32498435 Gmdrm	hypo	CG	-0.0788
Gm12	32514822	32515191 Gmdrm	hypo	CG	-0.0932
Gm12	32564775	32564985 Gmdrm	hypo	CG	-0.075
Gm12	32568719	32568876 Gmdrm	hypo	CG	-0.0907
Gm12	32713223	32714079 Gmdrm	hypo	CG	-0.0424
Gm12	32788416	32788478 Gmdrm	hypo	CG	-0.062
Gm12	33175977	33176172 Gmdrm	hypo	CG	-0.089
Gm12	33211969	33212043 Gmdrm	hypo	CG	-0.5288
Gm12	33231545	33231710 Gmdrm	hypo	CG	-0.215
Gm12	33261529	33261689 Gmdrm	hypo	CG	-0.0338
Gm12	33293176	33293393 Gmdrm	hypo	CG	-0.5985
Gm12	33297243	33297514 Gmdrm	hypo	CG	-0.5588
Gm12	33310396	33310616 Gmdrm	hypo	CG	-0.5733
Gm12	33312926	33313283 Gmdrm	hypo	CG	-0.0772
Gm12	33335316	33335653 Gmdrm	hypo	CG	-0.3044
Gm12	33337179	33337231 Gmdrm	hypo	CG	-0.5934
Gm12	33365714	33365758 Gmdrm	hypo	CG	-0.675

Gm12	33401895	33401990	Gmdrm	hypo	CG	-0.0971
Gm12	33418864	33419009	Gmdrm	hypo	CG	-0.028
Gm12	33460713	33460836	Gmdrm	hypo	CG	-0.905
Gm12	33461055	33461172	Gmdrm	hypo	CG	-0.6562
Gm12	33480965	33481238	Gmdrm	hypo	CG	-0.7708
Gm12	33484427	33484538	Gmdrm	hypo	CG	-0.046
Gm12	33495221	33495443	Gmdrm	hypo	CG	-0.938
Gm12	33535828	33536014	Gmdrm	hypo	CG	-0.2125
Gm12	33559604	33559811	Gmdrm	hypo	CG	-0.94
Gm12	33578334	33578364	Gmdrm	hypo	CG	-0.4084
Gm12	33613082	33613142	Gmdrm	hypo	CG	-0.4133
Gm12	33621433	33621442	Gmdrm	hypo	CG	-0.6917
Gm12	33621625	33621826	Gmdrm	hypo	CG	-0.9155
Gm12	33621927	33622039	Gmdrm	hypo	CG	-0.6517
Gm12	33635581	33635956	Gmdrm	hypo	CG	-0.0292
Gm12	33636959	33637205	Gmdrm	hypo	CG	-0.104
Gm12	33639982	33640035	Gmdrm	hypo	CG	-0.744
Gm12	33640807	33640871	Gmdrm	hypo	CG	-0.9512
Gm12	33641063	33641170	Gmdrm	hypo	CG	-0.7462
Gm12	33641567	33641825	Gmdrm	hypo	CG	-0.1367
Gm12	33652626	33652906	Gmdrm	hypo	CG	-0.0409
Gm12	33662224	33662503	Gmdrm	hypo	CG	-0.8154
Gm12	33664771	33664962	Gmdrm	hypo	CG	-0.032
Gm12	33707628	33707724	Gmdrm	hypo	CG	-0.586
Gm12	33710527	33710595	Gmdrm	hypo	CG	-0.2483
Gm12	33721976	33722111	Gmdrm	hypo	CG	-0.7467
Gm12	33743418	33743530	Gmdrm	hypo	CG	-0.0414
Gm12	33758971	33759745	Gmdrm	hypo	CG	-0.0304
Gm12	33792150	33792293	Gmdrm	hypo	CG	-0.16
Gm12	33798396	33798513	Gmdrm	hypo	CG	-0.04
Gm12	33829799	33829933	Gmdrm	hypo	CG	-0.9562
Gm12	33830149	33830266	Gmdrm	hypo	CG	-0.6533
Gm12	33841646	33841832	Gmdrm	hypo	CG	-0.0315
Gm12	33850915	33851051	Gmdrm	hypo	CG	-0.8512
Gm12	33851270	33851387	Gmdrm	hypo	CG	-0.6833
Gm12	33851557	33851720	Gmdrm	hypo	CG	-0.036
Gm12	33876185	33876244	Gmdrm	hypo	CG	-0.065
Gm12	33935754	33936070	Gmdrm	hypo	CG	-0.567
Gm12	33944950	33945016	Gmdrm	hypo	CG	-0.06
Gm12	33948341	33948506	Gmdrm	hypo	CG	-0.154
Gm12	33971606	33971752	Gmdrm	hypo	CG	-0.4575
Gm12	33982649	33983021	Gmdrm	hypo	CG	-0.5745
Gm12	33983971	33984150	Gmdrm	hypo	CG	-0.54
Gm12	33984280	33984437	Gmdrm	hypo	CG	-0.563
Gm12	33994715	33994855	Gmdrm	hypo	CG	-0.7175
Gm12	34043318	34043818	Gmdrm	hypo	CG	-0.2917

Gm12	34079336	34079401	Gmdrm	hypo	CG	-0.3433
Gm12	34080531	34080668	Gmdrm	hypo	CG	-0.3872
Gm12	34085601	34085715	Gmdrm	hypo	CG	-0.045
Gm12	34107337	34107447	Gmdrm	hypo	CG	-0.3299
Gm12	34121948	34122038	Gmdrm	hypo	CG	-0.5966
Gm12	34123250	34123363	Gmdrm	hypo	CG	-0.28
Gm12	34123506	34123640	Gmdrm	hypo	CG	-0.6057
Gm12	34128322	34128419	Gmdrm	hypo	CG	-0.7178
Gm12	34131826	34132086	Gmdrm	hypo	CG	-0.074
Gm12	34135117	34135861	Gmdrm	hypo	CG	-0.0984
Gm12	34138085	34138207	Gmdrm	hypo	CG	-0.7959
Gm12	34140130	34140593	Gmdrm	hypo	CG	-0.6886
Gm12	34173260	34173468	Gmdrm	hypo	CG	-0.3866
Gm12	34178154	34178375	Gmdrm	hypo	CG	-0.1042
Gm12	34180372	34180485	Gmdrm	hypo	CG	-0.9567
Gm12	34181529	34181732	Gmdrm	hypo	CG	-0.798
Gm12	34183761	34183829	Gmdrm	hypo	CG	-0.574
Gm12	34202983	34203040	Gmdrm	hypo	CG	-0.8933
Gm12	34208752	34208971	Gmdrm	hypo	CG	-0.556
Gm12	34220005	34220140	Gmdrm	hypo	CG	-0.128
Gm12	34230238	34230332	Gmdrm	hypo	CG	-0.0167
Gm12	34232532	34232916	Gmdrm	hypo	CG	-0.0454
Gm12	34237845	34237961	Gmdrm	hypo	CG	-0.0683
Gm12	34239553	34239665	Gmdrm	hypo	CG	-0.258
Gm12	34257525	34257539	Gmdrm	hypo	CG	-0.6034
Gm12	34258642	34258776	Gmdrm	hypo	CG	-0.5725
Gm12	34278834	34278938	Gmdrm	hypo	CG	-0.285
Gm12	34279072	34279260	Gmdrm	hypo	CG	-0.2683
Gm12	34316678	34317079	Gmdrm	hypo	CG	-0.0422
Gm12	34341933	34342413	Gmdrm	hypo	CG	-0.7065
Gm12	34343086	34343325	Gmdrm	hypo	CG	-0.6368
Gm12	34346097	34346306	Gmdrm	hypo	CG	-0.7189
Gm12	34346412	34346496	Gmdrm	hypo	CG	-0.147
Gm12	34346835	34347135	Gmdrm	hypo	CG	-0.2655
Gm12	34352189	34352647	Gmdrm	hypo	CG	-0.1588
Gm12	34356519	34356686	Gmdrm	hypo	CG	-0.517
Gm12	34378280	34378323	Gmdrm	hypo	CG	-0.5483
Gm12	34411129	34411196	Gmdrm	hypo	CG	-0.2387
Gm12	34414121	34414130	Gmdrm	hypo	CG	-0.6
Gm12	34435920	34435986	Gmdrm	hypo	CG	-0.8033
Gm12	34441719	34442056	Gmdrm	hypo	CG	-0.2771
Gm12	34443292	34443544	Gmdrm	hypo	CG	-0.3862
Gm12	34461965	34462026	Gmdrm	hypo	CG	-0.7667
Gm12	34496259	34496336	Gmdrm	hypo	CG	-0.812
Gm12	34496473	34496654	Gmdrm	hypo	CG	-0.73
Gm12	34496791	34497080	Gmdrm	hypo	CG	-0.5107

Gm12	34545838	34545952	Gmdrm	hypo	CG	-0.525
Gm12	34637617	34637796	Gmdrm	hypo	CG	-0.028
Gm12	34645600	34645637	Gmdrm	hypo	CG	-0.9449
Gm12	34681195	34681441	Gmdrm	hypo	CG	-0.7407
Gm12	34683120	34683148	Gmdrm	hypo	CG	-0.5217
Gm12	34714671	34714797	Gmdrm	hypo	CG	-0.812
Gm12	34723679	34724006	Gmdrm	hypo	CG	-0.0566
Gm12	34726931	34727326	Gmdrm	hypo	CG	-0.0519
Gm12	34761410	34761537	Gmdrm	hypo	CG	-0.0443
Gm12	34762233	34762284	Gmdrm	hypo	CG	-0.9167
Gm12	34770009	34770123	Gmdrm	hypo	CG	-0.1559
Gm12	34770401	34770516	Gmdrm	hypo	CG	-0.5971
Gm12	34800082	34800232	Gmdrm	hypo	CG	-0.0534
Gm12	34844662	34844817	Gmdrm	hypo	CG	-0.25
Gm12	34845039	34845152	Gmdrm	hypo	CG	-0.5789
Gm12	34846307	34846436	Gmdrm	hypo	CG	-0.2776
Gm12	34847025	34847356	Gmdrm	hypo	CG	-0.0812
Gm12	34848795	34848915	Gmdrm	hypo	CG	-0.4319
Gm12	34853098	34853238	Gmdrm	hypo	CG	-0.4263
Gm12	34898361	34898765	Gmdrm	hypo	CG	-0.1729
Gm12	34913279	34913317	Gmdrm	hypo	CG	-0.9867
Gm12	34913421	34913583	Gmdrm	hypo	CG	-0.6188
Gm12	34914093	34914131	Gmdrm	hypo	CG	-0.34
Gm12	34927618	34927860	Gmdrm	hypo	CG	-0.815
Gm12	34939602	34939662	Gmdrm	hypo	CG	-0.862
Gm12	34962784	34962868	Gmdrm	hypo	CG	-0.1208
Gm12	34963022	34963203	Gmdrm	hypo	CG	-0.1521
Gm12	34971290	34971415	Gmdrm	hypo	CG	-0.1133
Gm12	34986840	34986974	Gmdrm	hypo	CG	-0.616
Gm12	35031887	35031992	Gmdrm	hypo	CG	-0.6133
Gm12	35050701	35051003	Gmdrm	hypo	CG	-0.4183
Gm12	35069909	35070106	Gmdrm	hypo	CG	-0.0536
Gm12	35082071	35082221	Gmdrm	hypo	CG	-0.034
Gm12	35096237	35096258	Gmdrm	hypo	CG	-0.7712
Gm12	35096391	35096526	Gmdrm	hypo	CG	-0.9075
Gm12	35098532	35098730	Gmdrm	hypo	CG	-0.8983
Gm12	35122117	35122330	Gmdrm	hypo	CG	-0.6377
Gm12	35164585	35164626	Gmdrm	hypo	CG	-0.5412
Gm12	35173537	35173863	Gmdrm	hypo	CG	-0.7581
Gm12	35181308	35181589	Gmdrm	hypo	CG	-0.5028
Gm12	35188663	35188956	Gmdrm	hypo	CG	-0.4428
Gm12	35189231	35189390	Gmdrm	hypo	CG	-0.21
Gm12	35193785	35193883	Gmdrm	hypo	CG	-0.5717
Gm12	35235255	35235311	Gmdrm	hypo	CG	-0.3883
Gm12	35251422	35251501	Gmdrm	hypo	CG	-0.9642
Gm12	35258162	35258395	Gmdrm	hypo	CG	-0.1308

Gm12	35258617	35258784	Gmdrm	hypo	CG	-0.828
Gm12	35258931	35259007	Gmdrm	hypo	CG	-0.81
Gm12	35272808	35272848	Gmdrm	hypo	CG	-0.3638
Gm12	35296782	35296847	Gmdrm	hypo	CG	-0.7375
Gm12	35297113	35297609	Gmdrm	hypo	CG	-0.4873
Gm12	35306626	35306691	Gmdrm	hypo	CG	-0.724
Gm12	35317705	35317896	Gmdrm	hypo	CG	-0.937
Gm12	35323885	35324034	Gmdrm	hypo	CG	-0.6345
Gm12	35330070	35330129	Gmdrm	hypo	CG	-0.61
Gm12	35345181	35345541	Gmdrm	hypo	CG	-0.4805
Gm12	35346384	35346675	Gmdrm	hypo	CG	-0.544
Gm12	35358733	35358860	Gmdrm	hypo	CG	-0.2983
Gm12	35358969	35359085	Gmdrm	hypo	CG	-0.2767
Gm12	35359669	35359774	Gmdrm	hypo	CG	-0.0608
Gm12	35360464	35360756	Gmdrm	hypo	CG	-0.6825
Gm12	35367869	35368092	Gmdrm	hypo	CG	-0.1312
Gm12	35391173	35391331	Gmdrm	hypo	CG	-0.2293
Gm12	35399280	35399385	Gmdrm	hypo	CG	-0.674
Gm12	35415531	35415608	Gmdrm	hypo	CG	-0.76
Gm12	35420929	35421185	Gmdrm	hypo	CG	-0.4095
Gm12	35464906	35464955	Gmdrm	hypo	CG	-0.4463
Gm12	35474252	35474349	Gmdrm	hypo	CG	-0.8638
Gm12	35483505	35483626	Gmdrm	hypo	CG	-0.7075
Gm12	35487784	35487972	Gmdrm	hypo	CG	-0.7178
Gm12	35499202	35499247	Gmdrm	hypo	CG	-0.0717
Gm12	35504121	35504135	Gmdrm	hypo	CG	-0.2833
Gm12	35504347	35504391	Gmdrm	hypo	CG	-0.2862
Gm12	35506334	35506657	Gmdrm	hypo	CG	-0.069
Gm12	35508594	35508688	Gmdrm	hypo	CG	-0.7517
Gm12	35519228	35519611	Gmdrm	hypo	CG	-0.3767
Gm12	35530657	35530774	Gmdrm	hypo	CG	-0.6417
Gm12	35551055	35551780	Gmdrm	hypo	CG	-0.1004
Gm12	35554897	35555003	Gmdrm	hypo	CG	-0.798
Gm12	35564188	35564361	Gmdrm	hypo	CG	-0.3361
Gm12	35598081	35598173	Gmdrm	hypo	CG	-0.0467
Gm12	35627192	35627638	Gmdrm	hypo	CG	-0.358
Gm12	35636158	35636365	Gmdrm	hypo	CG	-0.6128
Gm12	35638325	35638484	Gmdrm	hypo	CG	-0.5651
Gm12	35639908	35640032	Gmdrm	hypo	CG	-0.0925
Gm12	35652239	35652483	Gmdrm	hypo	CG	-0.735
Gm12	35655858	35655895	Gmdrm	hypo	CG	-0.544
Gm12	35668250	35668406	Gmdrm	hypo	CG	-0.1429
Gm12	35668885	35669053	Gmdrm	hypo	CG	-0.8967
Gm12	35672598	35673227	Gmdrm	hypo	CG	-0.0345
Gm12	35680912	35681117	Gmdrm	hypo	CG	-0.04
Gm12	35682560	35682954	Gmdrm	hypo	CG	-0.36

Gm12	35690856	35691170	Gmdrm	hypo	CG	-0.2376
Gm12	35691665	35691781	Gmdrm	hypo	CG	-0.825
Gm12	35728040	35728211	Gmdrm	hypo	CG	-0.516
Gm12	35729381	35729577	Gmdrm	hypo	CG	-0.385
Gm12	35729915	35730045	Gmdrm	hypo	CG	-0.695
Gm12	35742741	35743196	Gmdrm	hypo	CG	-0.3668
Gm12	35783406	35783498	Gmdrm	hypo	CG	-0.365
Gm12	35791379	35791580	Gmdrm	hypo	CG	-0.764
Gm12	35796486	35796519	Gmdrm	hypo	CG	-0.9017
Gm12	35805449	35805608	Gmdrm	hypo	CG	-0.1786
Gm12	35830580	35830634	Gmdrm	hypo	CG	-0.036
Gm12	35834592	35835022	Gmdrm	hypo	CG	-0.0947
Gm12	35842292	35842396	Gmdrm	hypo	CG	-0.8283
Gm12	35853233	35853313	Gmdrm	hypo	CG	-0.2189
Gm12	35861150	35861179	Gmdrm	hypo	CG	-0.4867
Gm12	35862294	35862390	Gmdrm	hypo	CG	-0.56
Gm12	35884254	35884271	Gmdrm	hypo	CG	-0.8967
Gm12	35884622	35884673	Gmdrm	hypo	CG	-0.7437
Gm12	35887732	35887840	Gmdrm	hypo	CG	-0.0858
Gm12	35892374	35892481	Gmdrm	hypo	CG	-0.042
Gm12	35921634	35921852	Gmdrm	hypo	CG	-0.5859
Gm12	35951428	35951570	Gmdrm	hypo	CG	-0.0417
Gm12	35956873	35956906	Gmdrm	hypo	CG	-0.4516
Gm12	35959940	35960055	Gmdrm	hypo	CG	-0.0878
Gm12	35983980	35984300	Gmdrm	hypo	CG	-0.9171
Gm12	35985555	35985770	Gmdrm	hypo	CG	-0.0417
Gm12	35993708	35993777	Gmdrm	hypo	CG	-0.9888
Gm12	36001058	36001088	Gmdrm	hypo	CG	-0.399
Gm12	36002520	36002800	Gmdrm	hypo	CG	-0.047
Gm12	36013463	36013581	Gmdrm	hypo	CG	-0.9374
Gm12	36024430	36024553	Gmdrm	hypo	CG	-0.662
Gm12	36039827	36039991	Gmdrm	hypo	CG	-0.2364
Gm12	36042632	36042823	Gmdrm	hypo	CG	-0.6692
Gm12	36057164	36057444	Gmdrm	hypo	CG	-0.9205
Gm12	36162173	36162634	Gmdrm	hypo	CG	-0.6897
Gm12	36162855	36162894	Gmdrm	hypo	CG	-0.3817
Gm12	36167244	36167623	Gmdrm	hypo	CG	-0.485
Gm12	36172486	36172628	Gmdrm	hypo	CG	-0.1125
Gm12	36173516	36173590	Gmdrm	hypo	CG	-0.4584
Gm12	36173712	36173744	Gmdrm	hypo	CG	-0.7434
Gm12	36178082	36178210	Gmdrm	hypo	CG	-0.4434
Gm12	36201008	36201341	Gmdrm	hypo	CG	-0.8582
Gm12	36207999	36208187	Gmdrm	hypo	CG	-0.9463
Gm12	36217539	36217686	Gmdrm	hypo	CG	-0.2093
Gm12	36223000	36223190	Gmdrm	hypo	CG	-0.4113
Gm12	36229980	36230128	Gmdrm	hypo	CG	-0.654

Gm12	36236219	36236417	Gmdrm	hypo	CG	-0.7817
Gm12	36240973	36241003	Gmdrm	hypo	CG	-0.935
Gm12	36241109	36241175	Gmdrm	hypo	CG	-0.897
Gm12	36245744	36245950	Gmdrm	hypo	CG	-0.8317
Gm12	36268430	36268597	Gmdrm	hypo	CG	-0.648
Gm12	36269439	36269691	Gmdrm	hypo	CG	-0.813
Gm12	36271468	36271784	Gmdrm	hypo	CG	-0.3625
Gm12	36275223	36275338	Gmdrm	hypo	CG	-0.67
Gm12	36276001	36276259	Gmdrm	hypo	CG	-0.0402
Gm12	36310559	36310725	Gmdrm	hypo	CG	-0.7325
Gm12	36317357	36317455	Gmdrm	hypo	CG	-0.505
Gm12	36327564	36327701	Gmdrm	hypo	CG	-0.23
Gm12	36328361	36328518	Gmdrm	hypo	CG	-0.4563
Gm12	36367146	36367192	Gmdrm	hypo	CG	-0.54
Gm12	36372923	36373006	Gmdrm	hypo	CG	-0.082
Gm12	36373116	36373256	Gmdrm	hypo	CG	-0.7026
Gm12	36374203	36374470	Gmdrm	hypo	CG	-0.2591
Gm12	36388159	36388335	Gmdrm	hypo	CG	-0.11
Gm12	36389773	36389831	Gmdrm	hypo	CG	-0.123
Gm12	36391710	36391861	Gmdrm	hypo	CG	-0.211
Gm12	36392166	36392347	Gmdrm	hypo	CG	-0.0935
Gm12	36422956	36423086	Gmdrm	hypo	CG	-0.215
Gm12	36485911	36485943	Gmdrm	hypo	CG	-0.2062
Gm12	36540401	36540920	Gmdrm	hypo	CG	-0.0972
Gm12	36542716	36542831	Gmdrm	hypo	CG	-0.4775
Gm12	36546981	36547129	Gmdrm	hypo	CG	-0.082
Gm12	36561498	36561593	Gmdrm	hypo	CG	-0.598
Gm12	36604283	36604405	Gmdrm	hypo	CG	-0.1956
Gm12	36703182	36703556	Gmdrm	hypo	CG	-0.9031
Gm12	36705399	36705509	Gmdrm	hypo	CG	-0.1195
Gm12	36737594	36737662	Gmdrm	hypo	CG	-0.09
Gm12	36740136	36740290	Gmdrm	hypo	CG	-0.8525
Gm12	36753966	36754048	Gmdrm	hypo	CG	-0.8088
Gm12	36776469	36776712	Gmdrm	hypo	CG	-0.482
Gm12	36786618	36786673	Gmdrm	hypo	CG	-0.25
Gm12	36813992	36814078	Gmdrm	hypo	CG	-0.4401
Gm12	36827756	36828124	Gmdrm	hypo	CG	-0.0735
Gm12	36830875	36831361	Gmdrm	hypo	CG	-0.6909
Gm12	36832953	36833018	Gmdrm	hypo	CG	-0.1083
Gm12	36833620	36833767	Gmdrm	hypo	CG	-0.6083
Gm12	36835199	36835230	Gmdrm	hypo	CG	-0.682
Gm12	36846186	36846258	Gmdrm	hypo	CG	-0.25
Gm12	36850087	36850605	Gmdrm	hypo	CG	-0.2463
Gm12	36850765	36850841	Gmdrm	hypo	CG	-0.23
Gm12	36872745	36872788	Gmdrm	hypo	CG	-0.965
Gm12	36882903	36883135	Gmdrm	hypo	CG	-0.8756

Gm12	36883350	36883503	Gmdrm	hypo	CG	-0.5
Gm12	36889838	36889887	Gmdrm	hypo	CG	-0.055
Gm12	36896682	36897036	Gmdrm	hypo	CG	-0.6217
Gm12	36898862	36899185	Gmdrm	hypo	CG	-0.3565
Gm12	36900011	36900598	Gmdrm	hypo	CG	-0.5109
Gm12	36937487	36937511	Gmdrm	hypo	CG	-0.4163
Gm12	36937899	36938183	Gmdrm	hypo	CG	-0.329
Gm12	36938285	36938464	Gmdrm	hypo	CG	-0.3023
Gm12	36945926	36946074	Gmdrm	hypo	CG	-0.6264
Gm12	36949381	36949487	Gmdrm	hypo	CG	-0.215
Gm12	36950076	36950130	Gmdrm	hypo	CG	-0.6983
Gm12	36950444	36950518	Gmdrm	hypo	CG	-0.5966
Gm12	36984780	36984913	Gmdrm	hypo	CG	-0.0383
Gm12	36998547	36998745	Gmdrm	hypo	CG	-0.6967
Gm12	37003208	37003245	Gmdrm	hypo	CG	-0.47
Gm12	37023047	37023298	Gmdrm	hypo	CG	-0.7138
Gm12	37026574	37026656	Gmdrm	hypo	CG	-0.4409
Gm12	37026927	37027057	Gmdrm	hypo	CG	-0.472
Gm12	37037770	37037967	Gmdrm	hypo	CG	-0.6
Gm12	37038174	37038386	Gmdrm	hypo	CG	-0.5064
Gm12	37068789	37068917	Gmdrm	hypo	CG	-0.6817
Gm12	37078284	37078473	Gmdrm	hypo	CG	-0.8256
Gm12	37078611	37079108	Gmdrm	hypo	CG	-0.5166
Gm12	37087021	37087145	Gmdrm	hypo	CG	-0.5967
Gm12	37087719	37088011	Gmdrm	hypo	CG	-0.3254
Gm12	37088712	37088879	Gmdrm	hypo	CG	-0.9033
Gm12	37090726	37090898	Gmdrm	hypo	CG	-0.0317
Gm12	37102033	37102587	Gmdrm	hypo	CG	-0.6127
Gm12	37109650	37109750	Gmdrm	hypo	CG	-0.169
Gm12	37110021	37110099	Gmdrm	hypo	CG	-0.2788
Gm12	37121098	37121255	Gmdrm	hypo	CG	-0.786
Gm12	37130401	37130489	Gmdrm	hypo	CG	-0.704
Gm12	37137950	37138009	Gmdrm	hypo	CG	-0.6333
Gm12	37158933	37159130	Gmdrm	hypo	CG	-0.2228
Gm12	37189322	37189428	Gmdrm	hypo	CG	-0.8287
Gm12	37235204	37235293	Gmdrm	hypo	CG	-0.4816
Gm12	37235589	37235636	Gmdrm	hypo	CG	-0.14
Gm12	37236616	37236769	Gmdrm	hypo	CG	-0.882
Gm12	37237065	37237216	Gmdrm	hypo	CG	-0.665
Gm12	37244173	37244308	Gmdrm	hypo	CG	-0.7825
Gm12	37272098	37272374	Gmdrm	hypo	CG	-0.234
Gm12	37296019	37296104	Gmdrm	hypo	CG	-0.2013
Gm12	37324209	37324302	Gmdrm	hypo	CG	-0.2367
Gm12	37378277	37378361	Gmdrm	hypo	CG	-0.455
Gm12	37379571	37379712	Gmdrm	hypo	CG	-0.5479
Gm12	37381438	37381682	Gmdrm	hypo	CG	-0.8031

Gm12	37381832	37381966	Gmdrm	hypo	CG	-0.6717
Gm12	37403857	37403932	Gmdrm	hypo	CG	-0.3367
Gm12	37412907	37412996	Gmdrm	hypo	CG	-0.9316
Gm12	37415022	37415240	Gmdrm	hypo	CG	-0.578
Gm12	37426617	37426812	Gmdrm	hypo	CG	-0.535
Gm12	37428830	37428955	Gmdrm	hypo	CG	-0.9023
Gm12	37454013	37454151	Gmdrm	hypo	CG	-0.54
Gm12	37455920	37456145	Gmdrm	hypo	CG	-0.3108
Gm12	37473937	37474242	Gmdrm	hypo	CG	-0.9343
Gm12	37506997	37507091	Gmdrm	hypo	CG	-0.945
Gm12	37513376	37513473	Gmdrm	hypo	CG	-0.8633
Gm12	37514538	37514717	Gmdrm	hypo	CG	-0.1713
Gm12	37538035	37538077	Gmdrm	hypo	CG	-0.6333
Gm12	37549551	37549689	Gmdrm	hypo	CG	-0.9017
Gm12	37558308	37558339	Gmdrm	hypo	CG	-0.032
Gm12	37564901	37565740	Gmdrm	hypo	CG	-0.944
Gm12	37575509	37576088	Gmdrm	hypo	CG	-0.78
Gm12	37576776	37577026	Gmdrm	hypo	CG	-0.5573
Gm12	37577843	37577957	Gmdrm	hypo	CG	-0.046
Gm12	37618802	37619112	Gmdrm	hypo	CG	-0.8511
Gm12	37620283	37620435	Gmdrm	hypo	CG	-0.8471
Gm12	37627271	37627472	Gmdrm	hypo	CG	-0.85
Gm12	37644305	37644503	Gmdrm	hypo	CG	-0.8266
Gm12	37798355	37798472	Gmdrm	hypo	CG	-0.72
Gm12	37811107	37811347	Gmdrm	hypo	CG	-0.9071
Gm12	37839263	37839420	Gmdrm	hypo	CG	-0.1212
Gm12	37875024	37875131	Gmdrm	hypo	CG	-0.5283
Gm12	37875251	37875417	Gmdrm	hypo	CG	-0.9455
Gm12	37901121	37901359	Gmdrm	hypo	CG	-0.9405
Gm12	37907438	37907528	Gmdrm	hypo	CG	-0.7233
Gm12	37915243	37915504	Gmdrm	hypo	CG	-0.6937
Gm12	37915726	37915834	Gmdrm	hypo	CG	-0.034
Gm12	37918695	37918856	Gmdrm	hypo	CG	-0.6034
Gm12	37920653	37920993	Gmdrm	hypo	CG	-0.046
Gm12	37932876	37932969	Gmdrm	hypo	CG	-0.9092
Gm12	37954975	37955086	Gmdrm	hypo	CG	-0.546
Gm12	37962832	37962960	Gmdrm	hypo	CG	-0.8883
Gm12	37963097	37963227	Gmdrm	hypo	CG	-0.5566
Gm12	37976486	37976713	Gmdrm	hypo	CG	-0.66
Gm12	37978021	37978156	Gmdrm	hypo	CG	-0.5274
Gm12	37978520	37978701	Gmdrm	hypo	CG	-0.2156
Gm12	37999183	37999359	Gmdrm	hypo	CG	-0.448
Gm12	38004027	38004093	Gmdrm	hypo	CG	-0.3917
Gm12	38004426	38004504	Gmdrm	hypo	CG	-0.7337
Gm12	38019209	38019243	Gmdrm	hypo	CG	-0.49
Gm12	38053079	38053524	Gmdrm	hypo	CG	-0.6954

Gm12	38079902	38080085	Gmdrm	hypo	CG	-0.0444
Gm12	38080628	38080786	Gmdrm	hypo	CG	-0.9707
Gm12	38086528	38086705	Gmdrm	hypo	CG	-0.6537
Gm12	38106308	38106506	Gmdrm	hypo	CG	-0.476
Gm12	38107032	38107503	Gmdrm	hypo	CG	-0.1963
Gm12	38135915	38135964	Gmdrm	hypo	CG	-0.15
Gm12	38150039	38150178	Gmdrm	hypo	CG	-0.5083
Gm12	38150774	38151173	Gmdrm	hypo	CG	-0.7835
Gm12	38177846	38177968	Gmdrm	hypo	CG	-0.96
Gm12	38178122	38178286	Gmdrm	hypo	CG	-0.5057
Gm12	38178790	38179026	Gmdrm	hypo	CG	-0.2583
Gm12	38179165	38179351	Gmdrm	hypo	CG	-0.6256
Gm12	38181461	38181585	Gmdrm	hypo	CG	-0.9488
Gm12	38184666	38184794	Gmdrm	hypo	CG	-0.6271
Gm12	38220139	38220307	Gmdrm	hypo	CG	-0.593
Gm12	38220576	38220607	Gmdrm	hypo	CG	-0.9699
Gm12	38229739	38229950	Gmdrm	hypo	CG	-0.4192
Gm12	38262522	38262707	Gmdrm	hypo	CG	-0.2011
Gm12	38292008	38292115	Gmdrm	hypo	CG	-0.9085
Gm12	38330950	38331104	Gmdrm	hypo	CG	-0.716
Gm12	38335038	38335188	Gmdrm	hypo	CG	-0.7403
Gm12	38348028	38348534	Gmdrm	hypo	CG	-0.168
Gm12	38351248	38351416	Gmdrm	hypo	CG	-0.4879
Gm12	38351702	38351830	Gmdrm	hypo	CG	-0.27
Gm12	38370185	38370333	Gmdrm	hypo	CG	-0.579
Gm12	38372316	38372458	Gmdrm	hypo	CG	-0.1057
Gm12	38387185	38387225	Gmdrm	hypo	CG	-0.73
Gm12	38387395	38387438	Gmdrm	hypo	CG	-0.36
Gm12	38401916	38402122	Gmdrm	hypo	CG	-0.038
Gm12	38479062	38479248	Gmdrm	hypo	CG	-0.5808
Gm12	38481127	38481538	Gmdrm	hypo	CG	-0.0855
Gm12	38492255	38492335	Gmdrm	hypo	CG	-0.5612
Gm12	38505201	38505256	Gmdrm	hypo	CG	-0.25
Gm12	38522485	38522649	Gmdrm	hypo	CG	-0.743
Gm12	38555901	38556059	Gmdrm	hypo	CG	-0.9184
Gm12	38565531	38566076	Gmdrm	hypo	CG	-0.983
Gm12	38584679	38584759	Gmdrm	hypo	CG	-0.8733
Gm12	38603455	38603564	Gmdrm	hypo	CG	-0.0722
Gm12	38604789	38605398	Gmdrm	hypo	CG	-0.7528
Gm12	38610226	38610531	Gmdrm	hypo	CG	-0.2481
Gm12	38612055	38612199	Gmdrm	hypo	CG	-0.6562
Gm12	38626872	38627065	Gmdrm	hypo	CG	-0.2725
Gm12	38630654	38630971	Gmdrm	hypo	CG	-0.1487
Gm12	38645341	38645606	Gmdrm	hypo	CG	-0.5005
Gm12	38652262	38652653	Gmdrm	hypo	CG	-0.4696
Gm12	38690818	38690845	Gmdrm	hypo	CG	-0.71

Gm12	38699348	38699420	Gmdrm	hypo	CG	-0.8257
Gm12	38702973	38703038	Gmdrm	hypo	CG	-0.8324
Gm12	38703879	38703924	Gmdrm	hypo	CG	-0.4934
Gm12	38704360	38704581	Gmdrm	hypo	CG	-0.5425
Gm12	38709703	38710357	Gmdrm	hypo	CG	-0.5669
Gm12	38730350	38730544	Gmdrm	hypo	CG	-0.5627
Gm12	38731531	38731614	Gmdrm	hypo	CG	-0.9691
Gm12	38732123	38732273	Gmdrm	hypo	CG	-0.7763
Gm12	38741672	38741739	Gmdrm	hypo	CG	-0.7617
Gm12	38747670	38747797	Gmdrm	hypo	CG	-0.41
Gm12	38751107	38751336	Gmdrm	hypo	CG	-0.9356
Gm12	38753254	38753303	Gmdrm	hypo	CG	-0.9583
Gm12	38754195	38754453	Gmdrm	hypo	CG	-0.8173
Gm12	38759921	38760006	Gmdrm	hypo	CG	-0.1775
Gm12	38760108	38760187	Gmdrm	hypo	CG	-0.4233
Gm12	38765549	38765607	Gmdrm	hypo	CG	-0.7601
Gm12	38770579	38770726	Gmdrm	hypo	CG	-0.7233
Gm12	38780130	38780264	Gmdrm	hypo	CG	-0.167
Gm12	38791954	38792240	Gmdrm	hypo	CG	-0.7344
Gm12	38802608	38803096	Gmdrm	hypo	CG	-0.1529
Gm12	38807742	38807915	Gmdrm	hypo	CG	-0.755
Gm12	38808792	38808880	Gmdrm	hypo	CG	-0.0943
Gm12	38825658	38826130	Gmdrm	hypo	CG	-0.3836
Gm12	38845499	38845587	Gmdrm	hypo	CG	-0.056
Gm12	38871074	38871698	Gmdrm	hypo	CG	-0.23
Gm12	38905973	38906091	Gmdrm	hypo	CG	-0.84
Gm12	38906776	38906884	Gmdrm	hypo	CG	-0.4772
Gm12	38907094	38907305	Gmdrm	hypo	CG	-0.2953
Gm12	38925132	38925279	Gmdrm	hypo	CG	-0.0457
Gm12	38926384	38926635	Gmdrm	hypo	CG	-0.533
Gm12	38926819	38927034	Gmdrm	hypo	CG	-0.1522
Gm12	38931474	38931554	Gmdrm	hypo	CG	-0.5275
Gm12	38931830	38931999	Gmdrm	hypo	CG	-0.885
Gm12	38941226	38941298	Gmdrm	hypo	CG	-0.7583
Gm12	38941552	38941926	Gmdrm	hypo	CG	-0.2092
Gm12	38979058	38979226	Gmdrm	hypo	CG	-0.9491
Gm12	39015013	39015184	Gmdrm	hypo	CG	-0.15
Gm12	39019622	39019659	Gmdrm	hypo	CG	-0.9433
Gm12	39019947	39020112	Gmdrm	hypo	CG	-0.6912
Gm12	39025238	39025409	Gmdrm	hypo	CG	-0.0467
Gm12	39052350	39052546	Gmdrm	hypo	CG	-0.8867
Gm12	39066345	39066446	Gmdrm	hypo	CG	-0.9412
Gm12	39072327	39072391	Gmdrm	hypo	CG	-0.6475
Gm12	39106217	39106248	Gmdrm	hypo	CG	-0.815
Gm12	39125751	39125904	Gmdrm	hypo	CG	-0.1025
Gm12	39131037	39131172	Gmdrm	hypo	CG	-0.1007

Gm12	39131316	39131583	Gmdrm	hypo	CG	-0.2107
Gm12	39148120	39148426	Gmdrm	hypo	CG	-0.8727
Gm12	39154978	39155005	Gmdrm	hypo	CG	-0.536
Gm12	39156960	39157106	Gmdrm	hypo	CG	-0.3667
Gm12	39164017	39164174	Gmdrm	hypo	CG	-0.38
Gm12	39167291	39167509	Gmdrm	hypo	CG	-0.6972
Gm12	39167868	39167895	Gmdrm	hypo	CG	-0.5267
Gm12	39171643	39172071	Gmdrm	hypo	CG	-0.4231
Gm12	39172631	39172703	Gmdrm	hypo	CG	-0.5183
Gm12	39173119	39173446	Gmdrm	hypo	CG	-0.7046
Gm12	39175195	39175267	Gmdrm	hypo	CG	-0.885
Gm12	39181677	39181879	Gmdrm	hypo	CG	-0.8528
Gm12	39184733	39184855	Gmdrm	hypo	CG	-0.9566
Gm12	39210963	39211042	Gmdrm	hypo	CG	-0.5717
Gm12	39211340	39211530	Gmdrm	hypo	CG	-0.4955
Gm12	39211643	39211685	Gmdrm	hypo	CG	-0.75
Gm12	39221888	39222030	Gmdrm	hypo	CG	-0.7767
Gm12	39222154	39222379	Gmdrm	hypo	CG	-0.5807
Gm12	39225250	39225541	Gmdrm	hypo	CG	-0.0471
Gm12	39229540	39229567	Gmdrm	hypo	CG	-0.4788
Gm12	39241046	39241178	Gmdrm	hypo	CG	-0.635
Gm12	39266342	39266518	Gmdrm	hypo	CG	-0.0317
Gm12	39299430	39299547	Gmdrm	hypo	CG	-0.05
Gm12	39309730	39309892	Gmdrm	hypo	CG	-0.355
Gm12	39313091	39313679	Gmdrm	hypo	CG	-0.6834
Gm12	39313818	39314019	Gmdrm	hypo	CG	-0.3683
Gm12	39357515	39357664	Gmdrm	hypo	CG	-0.2526
Gm12	39359451	39359726	Gmdrm	hypo	CG	-0.419
Gm12	39360425	39360570	Gmdrm	hypo	CG	-0.905
Gm12	39366011	39366190	Gmdrm	hypo	CG	-0.805
Gm12	39454185	39454329	Gmdrm	hypo	CG	-0.6975
Gm12	39479400	39479564	Gmdrm	hypo	CG	-0.2064
Gm12	39506585	39506877	Gmdrm	hypo	CG	-0.2436
Gm12	39508164	39508351	Gmdrm	hypo	CG	-0.712
Gm12	39534639	39534730	Gmdrm	hypo	CG	-0.4766
Gm12	39572222	39572382	Gmdrm	hypo	CG	-0.4313
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Gm12	39578259	39578538	Gmdrm	hypo	CG	-0.5916
Gm12	39582590	39582689	Gmdrm	hypo	CG	-0.5017
Gm12	39583154	39583556	Gmdrm	hypo	CG	-0.8742
Gm12	39585181	39585248	Gmdrm	hypo	CG	-0.8683
Gm12	39587915	39588088	Gmdrm	hypo	CG	-0.6483
Gm12	39627767	39627921	Gmdrm	hypo	CG	-0.8735
Gm12	39630510	39630745	Gmdrm	hypo	CG	-0.0925
Gm12	39636353	39636676	Gmdrm	hypo	CG	-0.8982

Gm12	39637274	39637534	Gmdrm	hypo	CG	-0.8631
Gm12	39668651	39668928	Gmdrm	hypo	CG	-0.0543
Gm12	39669092	39669168	Gmdrm	hypo	CG	-0.4417
Gm12	39689809	39689972	Gmdrm	hypo	CG	-0.924
Gm12	39701396	39701503	Gmdrm	hypo	CG	-0.0366
Gm12	39703135	39703217	Gmdrm	hypo	CG	-0.8675
Gm12	39711747	39711841	Gmdrm	hypo	CG	-0.9366
Gm12	39720037	39720158	Gmdrm	hypo	CG	-0.9591
Gm12	39729396	39729824	Gmdrm	hypo	CG	-0.2188
Gm12	39749439	39749495	Gmdrm	hypo	CG	-0.265
Gm12	39749654	39750163	Gmdrm	hypo	CG	-0.4631
Gm12	39754104	39754311	Gmdrm	hypo	CG	-0.0818
Gm12	39755623	39756024	Gmdrm	hypo	CG	-0.7556
Gm12	39756242	39756427	Gmdrm	hypo	CG	-0.795
Gm12	39786876	39786966	Gmdrm	hypo	CG	-0.7817
Gm12	39796353	39796398	Gmdrm	hypo	CG	-0.6016
Gm12	39802403	39802738	Gmdrm	hypo	CG	-0.3852
Gm12	39812866	39812899	Gmdrm	hypo	CG	-0.8329
Gm12	39841585	39841806	Gmdrm	hypo	CG	-0.8764
Gm12	39845267	39845469	Gmdrm	hypo	CG	-0.08
Gm12	39852631	39852670	Gmdrm	hypo	CG	-0.52
Gm12	39858872	39858959	Gmdrm	hypo	CG	-0.735
Gm12	39873274	39873462	Gmdrm	hypo	CG	-0.7662
Gm12	39897846	39897979	Gmdrm	hypo	CG	-0.715
Gm12	39899072	39899248	Gmdrm	hypo	CG	-0.4509
Gm12	39899432	39899674	Gmdrm	hypo	CG	-0.4686
Gm12	39938190	39938316	Gmdrm	hypo	CG	-0.5113
Gm12	39970546	39970683	Gmdrm	hypo	CG	-0.7812
Gm12	39978773	39978859	Gmdrm	hypo	CG	-0.492
Gm12	39991134	39991317	Gmdrm	hypo	CG	-0.9015
Gm12	39992009	39992117	Gmdrm	hypo	CG	-0.84
Gm12	40002788	40003095	Gmdrm	hypo	CG	-0.9386
Gm12	40004922	40005258	Gmdrm	hypo	CG	-0.0388
Gm12	40044291	40044385	Gmdrm	hypo	CG	-0.3975
Gm12	40063594	40063623	Gmdrm	hypo	CG	-0.935
Gm12	40073603	40073673	Gmdrm	hypo	CG	-0.6983
Gm12	40105153	40105499	Gmdrm	hypo	CG	-0.2955
Gm12	40107726	40108117	Gmdrm	hypo	CG	-0.8385
Gm12	40110616	40110711	Gmdrm	hypo	CG	-0.8166
Gm12	40126473	40126847	Gmdrm	hypo	CG	-0.6472
Gm12	40127387	40127535	Gmdrm	hypo	CG	-0.705
Gm12	40139870	40139988	Gmdrm	hypo	CG	-0.2487
Gm12	40180124	40180309	Gmdrm	hypo	CG	-0.4134
Gm12	40180427	40180462	Gmdrm	hypo	CG	-0.36
Gm12	40205643	40206006	Gmdrm	hypo	CG	-0.4027
Gm12	40212530	40212781	Gmdrm	hypo	CG	-0.6025

Gm12	40216440	40216553 Gmdrm	hypo	CG	-0.073
Gm12	40275129	40275380 Gmdrm	hypo	CG	-0.7738
Gm12	40288362	40288727 Gmdrm	hypo	CG	-0.8146
Gm12	40288837	40288908 Gmdrm	hypo	CG	-0.9617
Gm12	40299044	40299129 Gmdrm	hypo	CG	-0.61
Gm12	40299248	40299456 Gmdrm	hypo	CG	-0.6036
Gm12	40302111	40302489 Gmdrm	hypo	CG	-0.1624
Gm12	40323434	40323477 Gmdrm	hypo	CG	-0.62
Gm12	40332491	40332775 Gmdrm	hypo	CG	-0.7379
Gm12	40333020	40333183 Gmdrm	hypo	CG	-0.7634
Gm12	40342332	40342418 Gmdrm	hypo	CG	-0.762
Gm12	40369493	40369542 Gmdrm	hypo	CG	-0.94
Gm12	40380124	40380175 Gmdrm	hypo	CG	-0.73
Gm12	40411514	40411655 Gmdrm	hypo	CG	-0.5015
Gm12	40439767	40439865 Gmdrm	hypo	CG	-0.374
Gm12	40444630	40444706 Gmdrm	hypo	CG	-0.845
Gm12	40444855	40445054 Gmdrm	hypo	CG	-0.8664
Gm12	40481478	40481613 Gmdrm	hypo	CG	-0.3203
Gm12	40489600	40489754 Gmdrm	hypo	CG	-0.042
Gm12	40496299	40496591 Gmdrm	hypo	CG	-0.6808
Gm12	40512679	40513352 Gmdrm	hypo	CG	-0.1636
Gm12	40552791	40552934 Gmdrm	hypo	CG	-0.8984
Gm12	40571207	40571292 Gmdrm	hypo	CG	-0.8321
Gm12	40573105	40573289 Gmdrm	hypo	CG	-0.815
Gm12	40573397	40573618 Gmdrm	hypo	CG	-0.456
Gm12	40582917	40582998 Gmdrm	hypo	CG	-0.97
Gm12	40618362	40618523 Gmdrm	hypo	CG	-0.89
Gm12	40618822	40618976 Gmdrm	hypo	CG	-0.1683
Gm12	40620025	40620130 Gmdrm	hypo	CG	-0.5116
Gm12	40620295	40620751 Gmdrm	hypo	CG	-0.2534
Gm12	40621009	40621350 Gmdrm	hypo	CG	-0.5265
Gm12	40621478	40621730 Gmdrm	hypo	CG	-0.5863
Gm12	40650743	40651316 Gmdrm	hypo	CG	-0.0454
Gm12	40651453	40651928 Gmdrm	hypo	CG	-0.1541
Gm12	40656153	40656372 Gmdrm	hypo	CG	-0.335
Gm12	40665873	40665966 Gmdrm	hypo	CG	-0.95
Gm12	40706925	40707547 Gmdrm	hypo	CG	-0.0787
Gm12	40730572	40730617 Gmdrm	hypo	CG	-0.2749
Gm12	40745018	40745042 Gmdrm	hypo	CG	-0.8333
Gm12	40780133	40780400 Gmdrm	hypo	CG	-0.72
Gm12	40780741	40780971 Gmdrm	hypo	CG	-0.4312
Gm12	40782238	40782478 Gmdrm	hypo	CG	-0.1277
Gm12	40804051	40804197 Gmdrm	hypo	CG	-0.1565
Gm12	40804904	40805026 Gmdrm	hypo	CG	-0.3305
Gm12	40820094	40820123 Gmdrm	hypo	CG	-0.78
Gm12	40872563	40872736 Gmdrm	hypo	CG	-0.8909

Gm12	40905336	40905482	Gmdrm	hypo	CG	-0.04
Gm12	40905774	40905891	Gmdrm	hypo	CG	-0.036
Gm12	40913252	40913528	Gmdrm	hypo	CG	-0.9169
Gm12	40967773	40968098	Gmdrm	hypo	CG	-0.0845
Gm12	40972006	40972120	Gmdrm	hypo	CG	-0.8333
Gm12	41003598	41003638	Gmdrm	hypo	CG	-0.0333
Gm12	41021035	41021332	Gmdrm	hypo	CG	-0.1263
Gm12	41072976	41073348	Gmdrm	hypo	CG	-0.6328
Gm12	41082363	41082513	Gmdrm	hypo	CG	-0.51
Gm12	41111294	41111347	Gmdrm	hypo	CG	-0.9166
Gm12	41112099	41112440	Gmdrm	hypo	CG	-0.6739
Gm12	41114464	41114584	Gmdrm	hypo	CG	-0.2658
Gm12	41115896	41116109	Gmdrm	hypo	CG	-0.3967
Gm12	41116731	41116866	Gmdrm	hypo	CG	-0.848
Gm12	41120519	41120610	Gmdrm	hypo	CG	-0.5924
Gm12	41122642	41122989	Gmdrm	hypo	CG	-0.5893
Gm12	41139588	41139693	Gmdrm	hypo	CG	-0.61
Gm12	41166802	41166918	Gmdrm	hypo	CG	-0.955
Gm12	41167094	41167151	Gmdrm	hypo	CG	-0.058
Gm12	41169187	41169262	Gmdrm	hypo	CG	-0.6216
Gm12	41169660	41169979	Gmdrm	hypo	CG	-0.1358
Gm12	41174440	41174633	Gmdrm	hypo	CG	-0.5712
Gm12	41180548	41180755	Gmdrm	hypo	CG	-0.1488
Gm12	41181057	41181214	Gmdrm	hypo	CG	-0.7541
Gm12	41187603	41187721	Gmdrm	hypo	CG	-0.0937
Gm12	41198154	41198526	Gmdrm	hypo	CG	-0.5964
Gm12	41200392	41200604	Gmdrm	hypo	CG	-0.365
Gm12	41201184	41201210	Gmdrm	hypo	CG	-0.935
Gm12	41209448	41209633	Gmdrm	hypo	CG	-0.7075
Gm12	41228740	41228910	Gmdrm	hypo	CG	-0.5317
Gm12	41234013	41234043	Gmdrm	hypo	CG	-0.7683
Gm12	41236586	41236654	Gmdrm	hypo	CG	-0.865
Gm12	41243927	41244020	Gmdrm	hypo	CG	-0.6938
Gm12	41244749	41244842	Gmdrm	hypo	CG	-0.5337
Gm12	41258669	41258870	Gmdrm	hypo	CG	-0.07
Gm12	41274433	41274553	Gmdrm	hypo	CG	-0.7275
Gm12	41300948	41301004	Gmdrm	hypo	CG	-0.654
Gm12	41301170	41301233	Gmdrm	hypo	CG	-0.706
Gm12	41345764	41345812	Gmdrm	hypo	CG	-0.3917
Gm12	41360025	41360226	Gmdrm	hypo	CG	-0.3713
Gm12	41361540	41361659	Gmdrm	hypo	CG	-0.7483
Gm12	41376279	41376360	Gmdrm	hypo	CG	-0.7417
Gm12	41388554	41388649	Gmdrm	hypo	CG	-0.49
Gm12	41403714	41403810	Gmdrm	hypo	CG	-0.715
Gm12	41413237	41413363	Gmdrm	hypo	CG	-0.1215
Gm12	41446187	41446304	Gmdrm	hypo	CG	-0.7288

Gm12	41449478	41449763	Gmdrm	hypo	CG	-0.295
Gm12	41450150	41450385	Gmdrm	hypo	CG	-0.369
Gm12	41488414	41488624	Gmdrm	hypo	CG	-0.3214
Gm12	41488779	41488840	Gmdrm	hypo	CG	-0.1116
Gm12	41488955	41489077	Gmdrm	hypo	CG	-0.33
Gm12	41489196	41489340	Gmdrm	hypo	CG	-0.4113
Gm12	41514177	41514602	Gmdrm	hypo	CG	-0.9192
Gm13	115413	115536	Gmdrm	hypo	CG	-0.134
Gm13	201462	201793	Gmdrm	hypo	CG	-0.043
Gm13	249844	250032	Gmdrm	hypo	CG	-0.4866
Gm13	255252	255417	Gmdrm	hypo	CG	-0.9029
Gm13	350784	350857	Gmdrm	hypo	CG	-0.0875
Gm13	392587	392678	Gmdrm	hypo	CG	-0.756
Gm13	397163	397245	Gmdrm	hypo	CG	-0.0666
Gm13	438851	438977	Gmdrm	hypo	CG	-0.1213
Gm13	516680	516854	Gmdrm	hypo	CG	-0.1435
Gm13	536425	536580	Gmdrm	hypo	CG	-0.413
Gm13	552284	552380	Gmdrm	hypo	CG	-0.1133
Gm13	562803	562825	Gmdrm	hypo	CG	-0.0617
Gm13	608573	608778	Gmdrm	hypo	CG	-0.6662
Gm13	635345	635531	Gmdrm	hypo	CG	-0.3319
Gm13	638307	638929	Gmdrm	hypo	CG	-0.0418
Gm13	676625	676710	Gmdrm	hypo	CG	-0.8417
Gm13	697257	697352	Gmdrm	hypo	CG	-0.1317
Gm13	700745	700963	Gmdrm	hypo	CG	-0.494
Gm13	702712	703044	Gmdrm	hypo	CG	-0.2994
Gm13	707433	707707	Gmdrm	hypo	CG	-0.1309
Gm13	723297	723315	Gmdrm	hypo	CG	-0.734
Gm13	730860	730917	Gmdrm	hypo	CG	-0.175
Gm13	731149	731415	Gmdrm	hypo	CG	-0.0599
Gm13	735730	735992	Gmdrm	hypo	CG	-0.0342
Gm13	760241	760893	Gmdrm	hypo	CG	-0.1654
Gm13	761110	761338	Gmdrm	hypo	CG	-0.15
Gm13	761551	761612	Gmdrm	hypo	CG	-0.825
Gm13	771034	771229	Gmdrm	hypo	CG	-0.0265
Gm13	815100	815254	Gmdrm	hypo	CG	-0.74
Gm13	815455	815598	Gmdrm	hypo	CG	-0.906
Gm13	844029	844196	Gmdrm	hypo	CG	-0.1255
Gm13	844483	844580	Gmdrm	hypo	CG	-0.56
Gm13	844920	845032	Gmdrm	hypo	CG	-0.268
Gm13	845382	845426	Gmdrm	hypo	CG	-0.2816
Gm13	845667	845711	Gmdrm	hypo	CG	-0.295
Gm13	847172	847649	Gmdrm	hypo	CG	-0.1308
Gm13	858143	858253	Gmdrm	hypo	CG	-0.144
Gm13	860336	860433	Gmdrm	hypo	CG	-0.5783
Gm13	862259	862453	Gmdrm	hypo	CG	-0.355

Gm13	883080	883214	Gmdrm	hypo	CG	-0.5712
Gm13	920846	920945	Gmdrm	hypo	CG	-0.26
Gm13	921389	921414	Gmdrm	hypo	CG	-0.1217
Gm13	975174	975721	Gmdrm	hypo	CG	-0.0561
Gm13	1000465	1000553	Gmdrm	hypo	CG	-0.0763
Gm13	1003069	1003136	Gmdrm	hypo	CG	-0.7762
Gm13	1047002	1047530	Gmdrm	hypo	CG	-0.4065
Gm13	1075557	1075724	Gmdrm	hypo	CG	-0.0929
Gm13	1149503	1149569	Gmdrm	hypo	CG	-0.405
Gm13	1161909	1161969	Gmdrm	hypo	CG	-0.7516
Gm13	1162308	1162351	Gmdrm	hypo	CG	-0.7
Gm13	1243615	1243776	Gmdrm	hypo	CG	-0.0491
Gm13	1279105	1279557	Gmdrm	hypo	CG	-0.0554
Gm13	1298720	1299064	Gmdrm	hypo	CG	-0.225
Gm13	1304679	1304931	Gmdrm	hypo	CG	-0.035
Gm13	1314224	1314725	Gmdrm	hypo	CG	-0.0772
Gm13	1319442	1319567	Gmdrm	hypo	CG	-0.8675
Gm13	1320089	1320481	Gmdrm	hypo	CG	-0.2563
Gm13	1322964	1323031	Gmdrm	hypo	CG	-0.545
Gm13	1415978	1416182	Gmdrm	hypo	CG	-0.09
Gm13	1430083	1430293	Gmdrm	hypo	CG	-0.0387
Gm13	1482778	1482839	Gmdrm	hypo	CG	-0.0699
Gm13	1483170	1483451	Gmdrm	hypo	CG	-0.0295
Gm13	1499695	1499763	Gmdrm	hypo	CG	-0.671
Gm13	1559899	1560027	Gmdrm	hypo	CG	-0.6683
Gm13	1569618	1569745	Gmdrm	hypo	CG	-0.373
Gm13	1570976	1571068	Gmdrm	hypo	CG	-0.312
Gm13	1711685	1711854	Gmdrm	hypo	CG	-0.8378
Gm13	1713129	1713395	Gmdrm	hypo	CG	-0.03
Gm13	1725763	1726039	Gmdrm	hypo	CG	-0.0431
Gm13	1727494	1727622	Gmdrm	hypo	CG	-0.048
Gm13	1803372	1803676	Gmdrm	hypo	CG	-0.034
Gm13	1899895	1900237	Gmdrm	hypo	CG	-0.647
Gm13	1900428	1900614	Gmdrm	hypo	CG	-0.737
Gm13	1900726	1900770	Gmdrm	hypo	CG	-0.8063
Gm13	1923750	1923826	Gmdrm	hypo	CG	-0.1943
Gm13	1958589	1958632	Gmdrm	hypo	CG	-0.2516
Gm13	1959286	1959375	Gmdrm	hypo	CG	-0.365
Gm13	1979987	1979998	Gmdrm	hypo	CG	-0.6134
Gm13	1987227	1987353	Gmdrm	hypo	CG	-0.8283
Gm13	1989833	1990047	Gmdrm	hypo	CG	-0.246
Gm13	1992673	1992887	Gmdrm	hypo	CG	-0.074
Gm13	2026569	2026704	Gmdrm	hypo	CG	-0.6
Gm13	2035806	2035987	Gmdrm	hypo	CG	-0.6657
Gm13	2042201	2042338	Gmdrm	hypo	CG	-0.8566
Gm13	2044740	2044842	Gmdrm	hypo	CG	-0.7025

Gm13	2046681	2047088	Gmdrm	hypo	CG	-0.05
Gm13	2062327	2062416	Gmdrm	hypo	CG	-0.615
Gm13	2102660	2102838	Gmdrm	hypo	CG	-0.045
Gm13	2174923	2175321	Gmdrm	hypo	CG	-0.0462
Gm13	2246999	2247201	Gmdrm	hypo	CG	-0.9269
Gm13	2292279	2292666	Gmdrm	hypo	CG	-0.0859
Gm13	2337958	2338068	Gmdrm	hypo	CG	-0.235
Gm13	2342355	2342857	Gmdrm	hypo	CG	-0.0618
Gm13	2356925	2357500	Gmdrm	hypo	CG	-0.031
Gm13	2391884	2392042	Gmdrm	hypo	CG	-0.1083
Gm13	2420828	2421180	Gmdrm	hypo	CG	-0.1
Gm13	2446736	2446896	Gmdrm	hypo	CG	-0.735
Gm13	2455492	2455603	Gmdrm	hypo	CG	-0.0625
Gm13	2515627	2515760	Gmdrm	hypo	CG	-0.924
Gm13	2537391	2537434	Gmdrm	hypo	CG	-0.4967
Gm13	2570440	2570807	Gmdrm	hypo	CG	-0.3716
Gm13	2574512	2574584	Gmdrm	hypo	CG	-0.48
Gm13	2582181	2582304	Gmdrm	hypo	CG	-0.0838
Gm13	2583099	2583175	Gmdrm	hypo	CG	-0.08
Gm13	2612742	2613112	Gmdrm	hypo	CG	-0.4353
Gm13	2628476	2628652	Gmdrm	hypo	CG	-0.7791
Gm13	2629741	2630111	Gmdrm	hypo	CG	-0.63
Gm13	2639989	2640036	Gmdrm	hypo	CG	-0.98
Gm13	2642282	2642678	Gmdrm	hypo	CG	-0.0543
Gm13	2655428	2655611	Gmdrm	hypo	CG	-0.761
Gm13	2661033	2661194	Gmdrm	hypo	CG	-0.6955
Gm13	2661435	2661641	Gmdrm	hypo	CG	-0.6763
Gm13	2667238	2667768	Gmdrm	hypo	CG	-0.0505
Gm13	2750658	2750810	Gmdrm	hypo	CG	-0.118
Gm13	2774087	2774434	Gmdrm	hypo	CG	-0.554
Gm13	2814311	2814535	Gmdrm	hypo	CG	-0.8275
Gm13	2816345	2816592	Gmdrm	hypo	CG	-0.3334
Gm13	2816705	2817040	Gmdrm	hypo	CG	-0.63
Gm13	2823608	2823769	Gmdrm	hypo	CG	-0.541
Gm13	2834461	2834601	Gmdrm	hypo	CG	-0.2587
Gm13	2866327	2866432	Gmdrm	hypo	CG	-0.8425
Gm13	2866822	2866935	Gmdrm	hypo	CG	-0.6316
Gm13	2868508	2868559	Gmdrm	hypo	CG	-0.685
Gm13	2869474	2870466	Gmdrm	hypo	CG	-0.0457
Gm13	2880463	2880586	Gmdrm	hypo	CG	-0.0943
Gm13	2892802	2893215	Gmdrm	hypo	CG	-0.42
Gm13	2893332	2893485	Gmdrm	hypo	CG	-0.2911
Gm13	2911271	2911312	Gmdrm	hypo	CG	-0.1466
Gm13	2950957	2951310	Gmdrm	hypo	CG	-0.4813
Gm13	3044675	3044874	Gmdrm	hypo	CG	-0.035
Gm13	3060843	3061310	Gmdrm	hypo	CG	-0.2929

Gm13	3071417	3071572	Gmdrm	hypo	CG	-0.14
Gm13	3109802	3109894	Gmdrm	hypo	CG	-0.075
Gm13	3143943	3144763	Gmdrm	hypo	CG	-0.0511
Gm13	3167239	3167370	Gmdrm	hypo	CG	-0.3729
Gm13	3206094	3206478	Gmdrm	hypo	CG	-0.0914
Gm13	3280446	3280523	Gmdrm	hypo	CG	-0.0815
Gm13	3282191	3282394	Gmdrm	hypo	CG	-0.0845
Gm13	3282810	3283407	Gmdrm	hypo	CG	-0.0682
Gm13	3284611	3285119	Gmdrm	hypo	CG	-0.1002
Gm13	3286160	3286904	Gmdrm	hypo	CG	-0.0626
Gm13	3288432	3288966	Gmdrm	hypo	CG	-0.0852
Gm13	3291946	3292937	Gmdrm	hypo	CG	-0.039
Gm13	3297058	3297853	Gmdrm	hypo	CG	-0.0285
Gm13	3334974	3335522	Gmdrm	hypo	CG	-0.0172
Gm13	3374465	3375450	Gmdrm	hypo	CG	-0.026
Gm13	3401537	3401777	Gmdrm	hypo	CG	-0.3577
Gm13	3402821	3403020	Gmdrm	hypo	CG	-0.1284
Gm13	3586802	3587006	Gmdrm	hypo	CG	-0.09
Gm13	3587215	3587268	Gmdrm	hypo	CG	-0.8329
Gm13	3603662	3603727	Gmdrm	hypo	CG	-0.06
Gm13	3665617	3665792	Gmdrm	hypo	CG	-0.535
Gm13	3682546	3683072	Gmdrm	hypo	CG	-0.4048
Gm13	3683527	3683879	Gmdrm	hypo	CG	-0.4235
Gm13	3717590	3717649	Gmdrm	hypo	CG	-0.0833
Gm13	3724488	3724605	Gmdrm	hypo	CG	-0.075
Gm13	3728224	3728349	Gmdrm	hypo	CG	-0.994
Gm13	3728519	3728713	Gmdrm	hypo	CG	-0.2711
Gm13	3741546	3741782	Gmdrm	hypo	CG	-0.0772
Gm13	3782566	3783315	Gmdrm	hypo	CG	-0.0512
Gm13	3838694	3838927	Gmdrm	hypo	CG	-0.0475
Gm13	3889678	3890199	Gmdrm	hypo	CG	-0.0468
Gm13	3979013	3980007	Gmdrm	hypo	CG	-0.0303
Gm13	4052899	4053872	Gmdrm	hypo	CG	-0.0482
Gm13	4063813	4063921	Gmdrm	hypo	CG	-0.0747
Gm13	4073167	4073784	Gmdrm	hypo	CG	-0.058
Gm13	4136718	4136906	Gmdrm	hypo	CG	-0.12
Gm13	4167554	4167944	Gmdrm	hypo	CG	-0.0893
Gm13	4184552	4184605	Gmdrm	hypo	CG	-0.0983
Gm13	4193471	4193902	Gmdrm	hypo	CG	-0.0577
Gm13	4195150	4195314	Gmdrm	hypo	CG	-0.0636
Gm13	4213415	4214272	Gmdrm	hypo	CG	-0.0477
Gm13	4218855	4218927	Gmdrm	hypo	CG	-0.0836
Gm13	4240012	4240126	Gmdrm	hypo	CG	-0.0983
Gm13	4293960	4294208	Gmdrm	hypo	CG	-0.15
Gm13	4298300	4298441	Gmdrm	hypo	CG	-0.1933
Gm13	4305402	4306046	Gmdrm	hypo	CG	-0.0272

Gm13	4443548	4443757	Gmdrm	hypo	CG	-0.805
Gm13	4510365	4510587	Gmdrm	hypo	CG	-0.0523
Gm13	4584891	4585880	Gmdrm	hypo	CG	-0.0308
Gm13	4605084	4605438	Gmdrm	hypo	CG	-0.0561
Gm13	4697570	4697634	Gmdrm	hypo	CG	-0.049
Gm13	4822989	4823013	Gmdrm	hypo	CG	-0.1316
Gm13	4857897	4858124	Gmdrm	hypo	CG	-0.0833
Gm13	4866352	4866496	Gmdrm	hypo	CG	-0.0887
Gm13	4937339	4937583	Gmdrm	hypo	CG	-0.049
Gm13	4954960	4955122	Gmdrm	hypo	CG	-0.0209
Gm13	5056950	5057012	Gmdrm	hypo	CG	-0.0433
Gm13	5115424	5116415	Gmdrm	hypo	CG	-0.033
Gm13	5297309	5297847	Gmdrm	hypo	CG	-0.0257
Gm13	5304102	5304576	Gmdrm	hypo	CG	-0.0969
Gm13	5326256	5326822	Gmdrm	hypo	CG	-0.0484
Gm13	5361739	5362436	Gmdrm	hypo	CG	-0.0186
Gm13	5393428	5394428	Gmdrm	hypo	CG	-0.04
Gm13	5513312	5514311	Gmdrm	hypo	CG	-0.0149
Gm13	5551702	5551723	Gmdrm	hypo	CG	-0.2
Gm13	5604336	5605332	Gmdrm	hypo	CG	-0.0387
Gm13	5747543	5748368	Gmdrm	hypo	CG	-0.0178
Gm13	5781546	5782509	Gmdrm	hypo	CG	-0.0237
Gm13	5784901	5785891	Gmdrm	hypo	CG	-0.0355
Gm13	5815528	5815707	Gmdrm	hypo	CG	-0.51
Gm13	5838403	5838584	Gmdrm	hypo	CG	-0.0582
Gm13	5945304	5945580	Gmdrm	hypo	CG	-0.0358
Gm13	6070062	6070108	Gmdrm	hypo	CG	-0.204
Gm13	6092017	6092609	Gmdrm	hypo	CG	-0.0463
Gm13	6101952	6102018	Gmdrm	hypo	CG	-0.1227
Gm13	6120860	6121309	Gmdrm	hypo	CG	-0.0721
Gm13	6139580	6139821	Gmdrm	hypo	CG	-0.056
Gm13	6144371	6144493	Gmdrm	hypo	CG	-0.9268
Gm13	6247711	6248271	Gmdrm	hypo	CG	-0.03
Gm13	6258239	6258576	Gmdrm	hypo	CG	-0.124
Gm13	6319094	6319214	Gmdrm	hypo	CG	-0.0905
Gm13	6344690	6344822	Gmdrm	hypo	CG	-0.066
Gm13	6389917	6390105	Gmdrm	hypo	CG	-0.2283
Gm13	6390583	6390843	Gmdrm	hypo	CG	-0.7817
Gm13	6398050	6398112	Gmdrm	hypo	CG	-0.4829
Gm13	6430085	6430362	Gmdrm	hypo	CG	-0.0523
Gm13	6433360	6434293	Gmdrm	hypo	CG	-0.0405
Gm13	6527906	6528212	Gmdrm	hypo	CG	-0.0297
Gm13	6548639	6549026	Gmdrm	hypo	CG	-0.1
Gm13	6554146	6554464	Gmdrm	hypo	CG	-0.0994
Gm13	6595177	6595387	Gmdrm	hypo	CG	-0.0375
Gm13	6615976	6616787	Gmdrm	hypo	CG	-0.0488

Gm13	6618295	6618507	Gmdrm	hypo	CG	-0.056
Gm13	6629141	6629436	Gmdrm	hypo	CG	-0.0394
Gm13	6678005	6678167	Gmdrm	hypo	CG	-0.0658
Gm13	6804482	6805083	Gmdrm	hypo	CG	-0.0377
Gm13	6846676	6847024	Gmdrm	hypo	CG	-0.0443
Gm13	6856815	6856879	Gmdrm	hypo	CG	-0.271
Gm13	6859092	6859152	Gmdrm	hypo	CG	-0.5216
Gm13	6859656	6859735	Gmdrm	hypo	CG	-0.15
Gm13	6914852	6915205	Gmdrm	hypo	CG	-0.03
Gm13	6918405	6918531	Gmdrm	hypo	CG	-0.07
Gm13	6990753	6991508	Gmdrm	hypo	CG	-0.0462
Gm13	7013157	7013812	Gmdrm	hypo	CG	-0.0321
Gm13	7077839	7077890	Gmdrm	hypo	CG	-0.6188
Gm13	7078479	7078633	Gmdrm	hypo	CG	-0.035
Gm13	7115241	7115623	Gmdrm	hypo	CG	-0.0396
Gm13	7267669	7267691	Gmdrm	hypo	CG	-0.2
Gm13	7270246	7270397	Gmdrm	hypo	CG	-0.0865
Gm13	7279878	7279895	Gmdrm	hypo	CG	-0.0667
Gm13	7408512	7409348	Gmdrm	hypo	CG	-0.0443
Gm13	7415151	7415416	Gmdrm	hypo	CG	-0.066
Gm13	7452137	7452209	Gmdrm	hypo	CG	-0.194
Gm13	7486068	7486195	Gmdrm	hypo	CG	-0.1079
Gm13	7503914	7504054	Gmdrm	hypo	CG	-0.0417
Gm13	7506710	7506920	Gmdrm	hypo	CG	-0.0882
Gm13	7593729	7593877	Gmdrm	hypo	CG	-0.08
Gm13	7641006	7641197	Gmdrm	hypo	CG	-0.06
Gm13	7646963	7647131	Gmdrm	hypo	CG	-0.646
Gm13	7654804	7655227	Gmdrm	hypo	CG	-0.827
Gm13	7655361	7655416	Gmdrm	hypo	CG	-0.1433
Gm13	7662057	7662178	Gmdrm	hypo	CG	-0.0517
Gm13	7676485	7676606	Gmdrm	hypo	CG	-0.2937
Gm13	7676731	7676863	Gmdrm	hypo	CG	-0.313
Gm13	7676980	7677067	Gmdrm	hypo	CG	-0.5629
Gm13	7742935	7743237	Gmdrm	hypo	CG	-0.0708
Gm13	7778238	7778766	Gmdrm	hypo	CG	-0.0492
Gm13	7878916	7878943	Gmdrm	hypo	CG	-0.1257
Gm13	7918103	7919093	Gmdrm	hypo	CG	-0.0371
Gm13	7925530	7925618	Gmdrm	hypo	CG	-0.9164
Gm13	7925723	7926235	Gmdrm	hypo	CG	-0.9621
Gm13	8017580	8017692	Gmdrm	hypo	CG	-0.07
Gm13	8018005	8018129	Gmdrm	hypo	CG	-0.0672
Gm13	8028585	8028791	Gmdrm	hypo	CG	-0.0384
Gm13	8068007	8068169	Gmdrm	hypo	CG	-0.068
Gm13	8094548	8094856	Gmdrm	hypo	CG	-0.035
Gm13	8166444	8166697	Gmdrm	hypo	CG	-0.0339
Gm13	8307634	8308265	Gmdrm	hypo	CG	-0.0416

Gm13	8308692	8309645	Gmdrm	hypo	CG	-0.0247
Gm13	8340449	8340921	Gmdrm	hypo	CG	-0.0389
Gm13	8358243	8359210	Gmdrm	hypo	CG	-0.0289
Gm13	8382865	8383539	Gmdrm	hypo	CG	-0.0493
Gm13	8528163	8528249	Gmdrm	hypo	CG	-0.098
Gm13	8703188	8703392	Gmdrm	hypo	CG	-0.1171
Gm13	8724912	8725076	Gmdrm	hypo	CG	-0.0575
Gm13	8821461	8821844	Gmdrm	hypo	CG	-0.5534
Gm13	8822232	8822447	Gmdrm	hypo	CG	-0.1112
Gm13	8834949	8835147	Gmdrm	hypo	CG	-0.4463
Gm13	8844106	8845059	Gmdrm	hypo	CG	-0.0489
Gm13	8860148	8860807	Gmdrm	hypo	CG	-0.0335
Gm13	8875907	8876652	Gmdrm	hypo	CG	-0.0639
Gm13	8895662	8896027	Gmdrm	hypo	CG	-0.0718
Gm13	8917047	8917240	Gmdrm	hypo	CG	-0.0756
Gm13	8948267	8949258	Gmdrm	hypo	CG	-0.0344
Gm13	8950467	8950964	Gmdrm	hypo	CG	-0.0808
Gm13	8963924	8964087	Gmdrm	hypo	CG	-0.1314
Gm13	9019888	9020029	Gmdrm	hypo	CG	-0.1227
Gm13	9050938	9051414	Gmdrm	hypo	CG	-0.0423
Gm13	9066218	9067210	Gmdrm	hypo	CG	-0.0358
Gm13	9139560	9139723	Gmdrm	hypo	CG	-0.1658
Gm13	9168345	9168440	Gmdrm	hypo	CG	-0.955
Gm13	9174407	9174497	Gmdrm	hypo	CG	-0.07
Gm13	9186811	9186949	Gmdrm	hypo	CG	-0.0792
Gm13	9189445	9189705	Gmdrm	hypo	CG	-0.0358
Gm13	9205351	9205404	Gmdrm	hypo	CG	-0.8667
Gm13	9205522	9205683	Gmdrm	hypo	CG	-0.0434
Gm13	9232740	9232776	Gmdrm	hypo	CG	-0.05
Gm13	9240011	9240775	Gmdrm	hypo	CG	-0.0753
Gm13	9241142	9241222	Gmdrm	hypo	CG	-0.04
Gm13	9249396	9249505	Gmdrm	hypo	CG	-0.0799
Gm13	9255315	9255453	Gmdrm	hypo	CG	-0.285
Gm13	9255741	9255842	Gmdrm	hypo	CG	-0.575
Gm13	9267516	9267552	Gmdrm	hypo	CG	-0.9383
Gm13	9297831	9298236	Gmdrm	hypo	CG	-0.7831
Gm13	9298451	9298465	Gmdrm	hypo	CG	-0.9587
Gm13	9302013	9302060	Gmdrm	hypo	CG	-0.8383
Gm13	9323883	9324100	Gmdrm	hypo	CG	-0.503
Gm13	9329422	9329658	Gmdrm	hypo	CG	-0.0643
Gm13	9343276	9343303	Gmdrm	hypo	CG	-0.9833
Gm13	9378720	9378938	Gmdrm	hypo	CG	-0.5546
Gm13	9379494	9379559	Gmdrm	hypo	CG	-0.63
Gm13	9388450	9388689	Gmdrm	hypo	CG	-0.402
Gm13	9390841	9390861	Gmdrm	hypo	CG	-0.7034
Gm13	9426074	9426480	Gmdrm	hypo	CG	-0.0293

Gm13	9515610	9515822	Gmdrm	hypo	CG	-0.4072
Gm13	9517152	9517276	Gmdrm	hypo	CG	-0.885
Gm13	9517916	9518117	Gmdrm	hypo	CG	-0.0267
Gm13	9522600	9522708	Gmdrm	hypo	CG	-0.875
Gm13	9535089	9535160	Gmdrm	hypo	CG	-0.1667
Gm13	9536759	9536904	Gmdrm	hypo	CG	-0.478
Gm13	9537177	9537268	Gmdrm	hypo	CG	-0.61
Gm13	9539807	9539983	Gmdrm	hypo	CG	-0.6547
Gm13	9540768	9540964	Gmdrm	hypo	CG	-0.5221
Gm13	9548461	9548707	Gmdrm	hypo	CG	-0.2807
Gm13	9548829	9549144	Gmdrm	hypo	CG	-0.8257
Gm13	9557047	9557112	Gmdrm	hypo	CG	-0.59
Gm13	9558732	9558900	Gmdrm	hypo	CG	-0.615
Gm13	9585985	9586535	Gmdrm	hypo	CG	-0.0786
Gm13	9586931	9586994	Gmdrm	hypo	CG	-0.456
Gm13	9588511	9588645	Gmdrm	hypo	CG	-0.3583
Gm13	9590149	9590221	Gmdrm	hypo	CG	-0.885
Gm13	9590341	9590514	Gmdrm	hypo	CG	-0.869
Gm13	9591077	9591363	Gmdrm	hypo	CG	-0.8686
Gm13	9592501	9592584	Gmdrm	hypo	CG	-0.6983
Gm13	9592815	9592930	Gmdrm	hypo	CG	-0.7016
Gm13	9593051	9593159	Gmdrm	hypo	CG	-0.8
Gm13	9606129	9606494	Gmdrm	hypo	CG	-0.4573
Gm13	9610872	9610963	Gmdrm	hypo	CG	-0.3312
Gm13	9612430	9612577	Gmdrm	hypo	CG	-0.1462
Gm13	9613696	9613787	Gmdrm	hypo	CG	-0.5733
Gm13	9625172	9625325	Gmdrm	hypo	CG	-0.7967
Gm13	9625576	9625623	Gmdrm	hypo	CG	-0.9401
Gm13	9629404	9629481	Gmdrm	hypo	CG	-0.164
Gm13	9639715	9639734	Gmdrm	hypo	CG	-0.8788
Gm13	9652029	9652066	Gmdrm	hypo	CG	-0.8633
Gm13	9658824	9658895	Gmdrm	hypo	CG	-0.9333
Gm13	9659042	9659182	Gmdrm	hypo	CG	-0.76
Gm13	9659594	9660004	Gmdrm	hypo	CG	-0.7895
Gm13	9691867	9692044	Gmdrm	hypo	CG	-0.54
Gm13	9698228	9698832	Gmdrm	hypo	CG	-0.0349
Gm13	9754853	9755354	Gmdrm	hypo	CG	-0.0435
Gm13	9767884	9767964	Gmdrm	hypo	CG	-0.705
Gm13	9776939	9776988	Gmdrm	hypo	CG	-0.4812
Gm13	9820190	9820216	Gmdrm	hypo	CG	-0.125
Gm13	9825980	9826170	Gmdrm	hypo	CG	-0.713
Gm13	9829369	9829394	Gmdrm	hypo	CG	-0.3434
Gm13	9829518	9829651	Gmdrm	hypo	CG	-0.383
Gm13	9839765	9839915	Gmdrm	hypo	CG	-0.3151
Gm13	9847375	9847441	Gmdrm	hypo	CG	-0.3333
Gm13	9859775	9859880	Gmdrm	hypo	CG	-0.115

Gm13	9886838	9887084	Gmdrm	hypo	CG	-0.278
Gm13	9887442	9887590	Gmdrm	hypo	CG	-0.3025
Gm13	9913081	9913241	Gmdrm	hypo	CG	-0.8438
Gm13	9932521	9932565	Gmdrm	hypo	CG	-0.125
Gm13	9935133	9935263	Gmdrm	hypo	CG	-0.0367
Gm13	9936428	9936807	Gmdrm	hypo	CG	-0.2367
Gm13	9939472	9939598	Gmdrm	hypo	CG	-0.1
Gm13	9963292	9963481	Gmdrm	hypo	CG	-0.4543
Gm13	9988895	9989279	Gmdrm	hypo	CG	-0.851
Gm13	10024745	10024938	Gmdrm	hypo	CG	-0.4362
Gm13	10060081	10060347	Gmdrm	hypo	CG	-0.1793
Gm13	10060556	10060671	Gmdrm	hypo	CG	-0.0359
Gm13	10091605	10091739	Gmdrm	hypo	CG	-0.106
Gm13	10110385	10110465	Gmdrm	hypo	CG	-0.4884
Gm13	10169575	10169593	Gmdrm	hypo	CG	-0.1917
Gm13	10231865	10231953	Gmdrm	hypo	CG	-0.469
Gm13	10233449	10233587	Gmdrm	hypo	CG	-0.9634
Gm13	10239023	10239289	Gmdrm	hypo	CG	-0.908
Gm13	10257758	10257830	Gmdrm	hypo	CG	-0.843
Gm13	10282663	10282810	Gmdrm	hypo	CG	-0.0749
Gm13	10334932	10335005	Gmdrm	hypo	CG	-0.063
Gm13	10364979	10365611	Gmdrm	hypo	CG	-0.0416
Gm13	10395198	10395342	Gmdrm	hypo	CG	-0.04
Gm13	10410801	10411226	Gmdrm	hypo	CG	-0.0586
Gm13	10422590	10422733	Gmdrm	hypo	CG	-0.0306
Gm13	10438353	10438418	Gmdrm	hypo	CG	-0.0933
Gm13	10485609	10485749	Gmdrm	hypo	CG	-0.2991
Gm13	10486352	10486401	Gmdrm	hypo	CG	-0.925
Gm13	10730317	10730498	Gmdrm	hypo	CG	-0.6155
Gm13	10774315	10774843	Gmdrm	hypo	CG	-0.0389
Gm13	10833546	10833935	Gmdrm	hypo	CG	-0.1982
Gm13	10885470	10885541	Gmdrm	hypo	CG	-0.7213
Gm13	10885793	10885827	Gmdrm	hypo	CG	-0.7733
Gm13	10915650	10915894	Gmdrm	hypo	CG	-0.3555
Gm13	10916391	10916474	Gmdrm	hypo	CG	-0.075
Gm13	10916597	10916749	Gmdrm	hypo	CG	-0.2672
Gm13	10919745	10919822	Gmdrm	hypo	CG	-0.132
Gm13	11024434	11024561	Gmdrm	hypo	CG	-0.967
Gm13	11024816	11024831	Gmdrm	hypo	CG	-0.9883
Gm13	11044137	11044475	Gmdrm	hypo	CG	-0.078
Gm13	11080229	11080352	Gmdrm	hypo	CG	-0.0543
Gm13	11153132	11153576	Gmdrm	hypo	CG	-0.0689
Gm13	11203248	11203740	Gmdrm	hypo	CG	-0.0536
Gm13	11205415	11205518	Gmdrm	hypo	CG	-0.104
Gm13	11205887	11205971	Gmdrm	hypo	CG	-0.3283
Gm13	11213223	11213355	Gmdrm	hypo	CG	-0.668

Gm13	11232079	11232315	Gmdrm	hypo	CG	-0.045
Gm13	11259571	11260557	Gmdrm	hypo	CG	-0.0373
Gm13	11260579	11260686	Gmdrm	hypo	CG	-0.0592
Gm13	11262799	11262977	Gmdrm	hypo	CG	-0.2536
Gm13	11278839	11278968	Gmdrm	hypo	CG	-0.844
Gm13	11285478	11285568	Gmdrm	hypo	CG	-0.2717
Gm13	11287372	11287781	Gmdrm	hypo	CG	-0.3719
Gm13	11287916	11288007	Gmdrm	hypo	CG	-0.4033
Gm13	11288252	11288328	Gmdrm	hypo	CG	-0.6975
Gm13	11288462	11288599	Gmdrm	hypo	CG	-0.7577
Gm13	11288713	11288975	Gmdrm	hypo	CG	-0.91
Gm13	11290519	11290684	Gmdrm	hypo	CG	-0.635
Gm13	11292504	11292602	Gmdrm	hypo	CG	-0.7637
Gm13	11292742	11292987	Gmdrm	hypo	CG	-0.8275
Gm13	11294588	11294625	Gmdrm	hypo	CG	-0.2566
Gm13	11321485	11321607	Gmdrm	hypo	CG	-0.0466
Gm13	11348702	11349236	Gmdrm	hypo	CG	-0.0533
Gm13	11375887	11376160	Gmdrm	hypo	CG	-0.1163
Gm13	11403331	11403409	Gmdrm	hypo	CG	-0.698
Gm13	11544774	11544868	Gmdrm	hypo	CG	-0.067
Gm13	11579907	11579990	Gmdrm	hypo	CG	-0.1467
Gm13	11591855	11592143	Gmdrm	hypo	CG	-0.64
Gm13	11631515	11632515	Gmdrm	hypo	CG	-0.0245
Gm13	11686292	11686975	Gmdrm	hypo	CG	-0.2795
Gm13	11688092	11688231	Gmdrm	hypo	CG	-0.1025
Gm13	11690234	11690405	Gmdrm	hypo	CG	-0.88
Gm13	11782073	11782202	Gmdrm	hypo	CG	-0.0871
Gm13	11891182	11891297	Gmdrm	hypo	CG	-0.0983
Gm13	11995933	11996316	Gmdrm	hypo	CG	-0.039
Gm13	11997608	11997805	Gmdrm	hypo	CG	-0.0517
Gm13	11998393	11998708	Gmdrm	hypo	CG	-0.0514
Gm13	12033343	12033449	Gmdrm	hypo	CG	-0.0858
Gm13	12062239	12062562	Gmdrm	hypo	CG	-0.0673
Gm13	12078948	12079017	Gmdrm	hypo	CG	-0.195
Gm13	12094293	12094348	Gmdrm	hypo	CG	-0.6575
Gm13	12147227	12147436	Gmdrm	hypo	CG	-0.0509
Gm13	12150632	12150988	Gmdrm	hypo	CG	-0.0855
Gm13	12189008	12189127	Gmdrm	hypo	CG	-0.9474
Gm13	12198652	12198777	Gmdrm	hypo	CG	-0.0464
Gm13	12286079	12286861	Gmdrm	hypo	CG	-0.04
Gm13	12299380	12299500	Gmdrm	hypo	CG	-0.155
Gm13	12304335	12304519	Gmdrm	hypo	CG	-0.0779
Gm13	12345510	12345678	Gmdrm	hypo	CG	-0.861
Gm13	12354703	12354982	Gmdrm	hypo	CG	-0.0992
Gm13	12360279	12360716	Gmdrm	hypo	CG	-0.0544
Gm13	12361515	12361814	Gmdrm	hypo	CG	-0.0359

Gm13	12399753	12400213	Gmdrm	hypo	CG	-0.0365
Gm13	12420407	12420446	Gmdrm	hypo	CG	-0.3183
Gm13	12440140	12440169	Gmdrm	hypo	CG	-0.0375
Gm13	12494169	12494428	Gmdrm	hypo	CG	-0.0877
Gm13	12532730	12533250	Gmdrm	hypo	CG	-0.017
Gm13	12623182	12623329	Gmdrm	hypo	CG	-0.7017
Gm13	12624109	12624221	Gmdrm	hypo	CG	-0.5967
Gm13	12624335	12624350	Gmdrm	hypo	CG	-0.9633
Gm13	12625542	12625860	Gmdrm	hypo	CG	-0.4
Gm13	12625986	12626264	Gmdrm	hypo	CG	-0.2379
Gm13	12628780	12629000	Gmdrm	hypo	CG	-0.12
Gm13	12630362	12630619	Gmdrm	hypo	CG	-0.375
Gm13	12662658	12662850	Gmdrm	hypo	CG	-0.17
Gm13	12663020	12663386	Gmdrm	hypo	CG	-0.4
Gm13	12669694	12669822	Gmdrm	hypo	CG	-0.8538
Gm13	12670123	12670272	Gmdrm	hypo	CG	-0.5587
Gm13	12675424	12675713	Gmdrm	hypo	CG	-0.5845
Gm13	12682451	12682553	Gmdrm	hypo	CG	-0.178
Gm13	12683173	12683272	Gmdrm	hypo	CG	-0.34
Gm13	12689270	12689873	Gmdrm	hypo	CG	-0.3176
Gm13	12698070	12698102	Gmdrm	hypo	CG	-0.7
Gm13	12748562	12748707	Gmdrm	hypo	CG	-0.4547
Gm13	12748950	12749042	Gmdrm	hypo	CG	-0.9701
Gm13	12749211	12749410	Gmdrm	hypo	CG	-0.8121
Gm13	12753438	12753738	Gmdrm	hypo	CG	-0.1314
Gm13	12753922	12754086	Gmdrm	hypo	CG	-0.2708
Gm13	12755061	12755101	Gmdrm	hypo	CG	-0.8017
Gm13	12755208	12755525	Gmdrm	hypo	CG	-0.1567
Gm13	12764603	12764676	Gmdrm	hypo	CG	-0.1271
Gm13	12776122	12776291	Gmdrm	hypo	CG	-0.674
Gm13	12790523	12790634	Gmdrm	hypo	CG	-0.94
Gm13	12804230	12804274	Gmdrm	hypo	CG	-0.06
Gm13	12848949	12849039	Gmdrm	hypo	CG	-0.08
Gm13	12858311	12858589	Gmdrm	hypo	CG	-0.165
Gm13	12858952	12859088	Gmdrm	hypo	CG	-0.565
Gm13	12859457	12859495	Gmdrm	hypo	CG	-0.9583
Gm13	12863998	12864169	Gmdrm	hypo	CG	-0.2549
Gm13	12864472	12864571	Gmdrm	hypo	CG	-0.62
Gm13	12874558	12874681	Gmdrm	hypo	CG	-0.5425
Gm13	12904057	12904231	Gmdrm	hypo	CG	-0.0886
Gm13	12915957	12916144	Gmdrm	hypo	CG	-0.37
Gm13	12923209	12923336	Gmdrm	hypo	CG	-0.12
Gm13	12936907	12936979	Gmdrm	hypo	CG	-0.7729
Gm13	12938224	12938368	Gmdrm	hypo	CG	-0.4562
Gm13	12939524	12939836	Gmdrm	hypo	CG	-0.0615
Gm13	12962567	12962791	Gmdrm	hypo	CG	-0.7207

Gm13	12962997	12963153	Gmdrm	hypo	CG	-0.1089
Gm13	12971433	12971728	Gmdrm	hypo	CG	-0.5236
Gm13	12978114	12978243	Gmdrm	hypo	CG	-0.9509
Gm13	12980227	12980395	Gmdrm	hypo	CG	-0.4784
Gm13	13010591	13010679	Gmdrm	hypo	CG	-0.902
Gm13	13036189	13036455	Gmdrm	hypo	CG	-0.2242
Gm13	13045217	13045554	Gmdrm	hypo	CG	-0.1136
Gm13	13070703	13070775	Gmdrm	hypo	CG	-0.8787
Gm13	13082835	13083019	Gmdrm	hypo	CG	-0.5775
Gm13	13083359	13083515	Gmdrm	hypo	CG	-0.1241
Gm13	13092754	13093228	Gmdrm	hypo	CG	-0.0448
Gm13	13095483	13095558	Gmdrm	hypo	CG	-0.0682
Gm13	13115825	13116123	Gmdrm	hypo	CG	-0.3716
Gm13	13151815	13151855	Gmdrm	hypo	CG	-0.778
Gm13	13171449	13171507	Gmdrm	hypo	CG	-0.21
Gm13	13171925	13172081	Gmdrm	hypo	CG	-0.7664
Gm13	13180419	13180549	Gmdrm	hypo	CG	-0.6129
Gm13	13186968	13187063	Gmdrm	hypo	CG	-0.7399
Gm13	13212149	13212391	Gmdrm	hypo	CG	-0.751
Gm13	13214925	13214950	Gmdrm	hypo	CG	-0.3733
Gm13	13219956	13220160	Gmdrm	hypo	CG	-0.7539
Gm13	13222795	13222914	Gmdrm	hypo	CG	-0.6811
Gm13	13226599	13226690	Gmdrm	hypo	CG	-0.036
Gm13	13249135	13249656	Gmdrm	hypo	CG	-0.1
Gm13	13250238	13250481	Gmdrm	hypo	CG	-0.7486
Gm13	13259439	13259649	Gmdrm	hypo	CG	-0.2041
Gm13	13268618	13268662	Gmdrm	hypo	CG	-0.2183
Gm13	13268822	13268935	Gmdrm	hypo	CG	-0.1112
Gm13	13275583	13275855	Gmdrm	hypo	CG	-0.1975
Gm13	13275985	13276078	Gmdrm	hypo	CG	-0.67
Gm13	13278974	13279127	Gmdrm	hypo	CG	-0.3425
Gm13	13280421	13280467	Gmdrm	hypo	CG	-0.7517
Gm13	13281026	13281185	Gmdrm	hypo	CG	-0.5675
Gm13	13285694	13285974	Gmdrm	hypo	CG	-0.0883
Gm13	13303121	13303474	Gmdrm	hypo	CG	-0.4078
Gm13	13304103	13304547	Gmdrm	hypo	CG	-0.3245
Gm13	13312331	13312446	Gmdrm	hypo	CG	-0.1144
Gm13	13327005	13327385	Gmdrm	hypo	CG	-0.53
Gm13	13329431	13329539	Gmdrm	hypo	CG	-0.505
Gm13	13332121	13332168	Gmdrm	hypo	CG	-0.9263
Gm13	13335634	13335728	Gmdrm	hypo	CG	-0.1463
Gm13	13351087	13351278	Gmdrm	hypo	CG	-0.0215
Gm13	13364407	13364594	Gmdrm	hypo	CG	-0.924
Gm13	13377169	13377424	Gmdrm	hypo	CG	-0.2758
Gm13	13379312	13379377	Gmdrm	hypo	CG	-0.3262
Gm13	13391298	13391602	Gmdrm	hypo	CG	-0.8515

Gm13	13392134	13392249	Gmdrm	hypo	CG	-0.5287
Gm13	13392906	13393165	Gmdrm	hypo	CG	-0.5967
Gm13	13393793	13393857	Gmdrm	hypo	CG	-0.875
Gm13	13394063	13394100	Gmdrm	hypo	CG	-0.6167
Gm13	13401511	13401687	Gmdrm	hypo	CG	-0.3125
Gm13	13470969	13471146	Gmdrm	hypo	CG	-0.1559
Gm13	13475860	13476300	Gmdrm	hypo	CG	-0.6918
Gm13	13490639	13490858	Gmdrm	hypo	CG	-0.819
Gm13	13493123	13493301	Gmdrm	hypo	CG	-0.3709
Gm13	13494698	13494749	Gmdrm	hypo	CG	-0.058
Gm13	13496976	13497416	Gmdrm	hypo	CG	-0.592
Gm13	13508145	13508216	Gmdrm	hypo	CG	-0.2487
Gm13	13510786	13510878	Gmdrm	hypo	CG	-0.754
Gm13	13524827	13524900	Gmdrm	hypo	CG	-0.6486
Gm13	13527318	13527502	Gmdrm	hypo	CG	-0.8689
Gm13	13535991	13536376	Gmdrm	hypo	CG	-0.5404
Gm13	13537678	13537720	Gmdrm	hypo	CG	-0.9283
Gm13	13543695	13543819	Gmdrm	hypo	CG	-0.8893
Gm13	13564565	13564774	Gmdrm	hypo	CG	-0.71
Gm13	13571355	13571583	Gmdrm	hypo	CG	-0.835
Gm13	13585043	13585418	Gmdrm	hypo	CG	-0.5785
Gm13	13590757	13590857	Gmdrm	hypo	CG	-0.08
Gm13	13606085	13606241	Gmdrm	hypo	CG	-0.177
Gm13	13612471	13612535	Gmdrm	hypo	CG	-0.7687
Gm13	13615993	13616715	Gmdrm	hypo	CG	-0.2402
Gm13	13646471	13646955	Gmdrm	hypo	CG	-0.1139
Gm13	13703259	13703289	Gmdrm	hypo	CG	-0.3083
Gm13	13705053	13705984	Gmdrm	hypo	CG	-0.0259
Gm13	13710444	13710729	Gmdrm	hypo	CG	-0.2761
Gm13	13711343	13711390	Gmdrm	hypo	CG	-0.92
Gm13	13719015	13719113	Gmdrm	hypo	CG	-0.6933
Gm13	13735757	13735933	Gmdrm	hypo	CG	-0.3991
Gm13	13738828	13739123	Gmdrm	hypo	CG	-0.0313
Gm13	13753588	13753695	Gmdrm	hypo	CG	-0.7817
Gm13	13755719	13755837	Gmdrm	hypo	CG	-0.6817
Gm13	13757040	13757152	Gmdrm	hypo	CG	-0.0633
Gm13	13758900	13758993	Gmdrm	hypo	CG	-0.5834
Gm13	13759387	13759572	Gmdrm	hypo	CG	-0.89
Gm13	13782003	13782409	Gmdrm	hypo	CG	-0.5879
Gm13	13796296	13796362	Gmdrm	hypo	CG	-0.0637
Gm13	13799076	13799375	Gmdrm	hypo	CG	-0.384
Gm13	13800846	13800951	Gmdrm	hypo	CG	-0.38
Gm13	13801084	13801263	Gmdrm	hypo	CG	-0.475
Gm13	13801418	13801555	Gmdrm	hypo	CG	-0.5891
Gm13	13808602	13809021	Gmdrm	hypo	CG	-0.3869
Gm13	13844715	13844930	Gmdrm	hypo	CG	-0.225

Gm13	13857271	13857471	Gmdrm	hypo	CG	-0.7175
Gm13	13863630	13863754	Gmdrm	hypo	CG	-0.872
Gm13	13882829	13883145	Gmdrm	hypo	CG	-0.0513
Gm13	13927489	13927614	Gmdrm	hypo	CG	-0.2699
Gm13	13944798	13944952	Gmdrm	hypo	CG	-0.525
Gm13	13956802	13956942	Gmdrm	hypo	CG	-0.4277
Gm13	13957265	13957663	Gmdrm	hypo	CG	-0.595
Gm13	13965240	13965355	Gmdrm	hypo	CG	-0.1562
Gm13	13978354	13978488	Gmdrm	hypo	CG	-0.6828
Gm13	13984731	13984782	Gmdrm	hypo	CG	-0.3038
Gm13	13985129	13985489	Gmdrm	hypo	CG	-0.6808
Gm13	14012543	14012588	Gmdrm	hypo	CG	-0.67
Gm13	14012811	14012974	Gmdrm	hypo	CG	-0.277
Gm13	14013094	14013287	Gmdrm	hypo	CG	-0.3177
Gm13	14021498	14021641	Gmdrm	hypo	CG	-0.7836
Gm13	14023590	14023811	Gmdrm	hypo	CG	-0.075
Gm13	14042121	14042188	Gmdrm	hypo	CG	-0.6083
Gm13	14051775	14051941	Gmdrm	hypo	CG	-0.11
Gm13	14059132	14059322	Gmdrm	hypo	CG	-0.501
Gm13	14063153	14063229	Gmdrm	hypo	CG	-0.0633
Gm13	14074637	14074889	Gmdrm	hypo	CG	-0.1284
Gm13	14077722	14077838	Gmdrm	hypo	CG	-0.7734
Gm13	14086639	14086813	Gmdrm	hypo	CG	-0.711
Gm13	14099887	14100248	Gmdrm	hypo	CG	-0.5514
Gm13	14115906	14116026	Gmdrm	hypo	CG	-0.032
Gm13	14130031	14130092	Gmdrm	hypo	CG	-0.9483
Gm13	14130605	14130755	Gmdrm	hypo	CG	-0.885
Gm13	14149351	14149456	Gmdrm	hypo	CG	-0.7125
Gm13	14149909	14149984	Gmdrm	hypo	CG	-0.5283
Gm13	14152574	14152819	Gmdrm	hypo	CG	-0.3067
Gm13	14164304	14164646	Gmdrm	hypo	CG	-0.6357
Gm13	14185231	14185353	Gmdrm	hypo	CG	-0.07
Gm13	14189924	14190046	Gmdrm	hypo	CG	-0.1881
Gm13	14202980	14203300	Gmdrm	hypo	CG	-0.5788
Gm13	14221604	14221944	Gmdrm	hypo	CG	-0.1533
Gm13	14247947	14248054	Gmdrm	hypo	CG	-0.11
Gm13	14270097	14270204	Gmdrm	hypo	CG	-0.895
Gm13	14274724	14274770	Gmdrm	hypo	CG	-0.2038
Gm13	14274919	14275011	Gmdrm	hypo	CG	-0.244
Gm13	14276278	14276439	Gmdrm	hypo	CG	-0.9269
Gm13	14287618	14287666	Gmdrm	hypo	CG	-0.485
Gm13	14288269	14288409	Gmdrm	hypo	CG	-0.0672
Gm13	14289233	14289367	Gmdrm	hypo	CG	-0.2711
Gm13	14293877	14294011	Gmdrm	hypo	CG	-0.5124
Gm13	14294130	14294356	Gmdrm	hypo	CG	-0.2799
Gm13	14295827	14296009	Gmdrm	hypo	CG	-0.075

Gm13	14303874	14304016 Gmdrm	hypo	CG	-0.739
Gm13	14321480	14321589 Gmdrm	hypo	CG	-0.2767
Gm13	14328210	14328729 Gmdrm	hypo	CG	-0.4592
Gm13	14328862	14329284 Gmdrm	hypo	CG	-0.6718
Gm13	14341949	14342086 Gmdrm	hypo	CG	-0.0763
Gm13	14407124	14407252 Gmdrm	hypo	CG	-0.9492
Gm13	14407839	14408049 Gmdrm	hypo	CG	-0.672
Gm13	14415891	14415899 Gmdrm	hypo	CG	-0.8133
Gm13	14437114	14437137 Gmdrm	hypo	CG	-0.795
Gm13	14445600	14445734 Gmdrm	hypo	CG	-0.9483
Gm13	14445862	14445930 Gmdrm	hypo	CG	-0.9584
Gm13	14448326	14448414 Gmdrm	hypo	CG	-0.622
Gm13	14450555	14450763 Gmdrm	hypo	CG	-0.697
Gm13	14451116	14451599 Gmdrm	hypo	CG	-0.5878
Gm13	14457012	14457223 Gmdrm	hypo	CG	-0.9413
Gm13	14458724	14458748 Gmdrm	hypo	CG	-0.9
Gm13	14460641	14460718 Gmdrm	hypo	CG	-0.675
Gm13	14462185	14462327 Gmdrm	hypo	CG	-0.8838
Gm13	14496755	14497235 Gmdrm	hypo	CG	-0.5279
Gm13	14499326	14499350 Gmdrm	hypo	CG	-0.5033
Gm13	14515753	14516026 Gmdrm	hypo	CG	-0.0485
Gm13	14586199	14586458 Gmdrm	hypo	CG	-0.1561
Gm13	14587947	14587986 Gmdrm	hypo	CG	-0.6967
Gm13	14591432	14591786 Gmdrm	hypo	CG	-0.8933
Gm13	14592218	14592396 Gmdrm	hypo	CG	-0.943
Gm13	14592520	14592633 Gmdrm	hypo	CG	-0.678
Gm13	14599628	14599820 Gmdrm	hypo	CG	-0.705
Gm13	14652519	14652691 Gmdrm	hypo	CG	-0.0322
Gm13	14660419	14660510 Gmdrm	hypo	CG	-0.9612
Gm13	14660677	14660754 Gmdrm	hypo	CG	-0.88
Gm13	14661095	14661340 Gmdrm	hypo	CG	-0.6963
Gm13	14693684	14693822 Gmdrm	hypo	CG	-0.8365
Gm13	14695250	14695307 Gmdrm	hypo	CG	-0.845
Gm13	14717883	14718110 Gmdrm	hypo	CG	-0.7667
Gm13	14725324	14725444 Gmdrm	hypo	CG	-0.5367
Gm13	14725554	14726161 Gmdrm	hypo	CG	-0.0237
Gm13	14727528	14727762 Gmdrm	hypo	CG	-0.3048
Gm13	14744168	14744256 Gmdrm	hypo	CG	-0.81
Gm13	14744460	14744573 Gmdrm	hypo	CG	-0.2583
Gm13	14748785	14748857 Gmdrm	hypo	CG	-0.8675
Gm13	14762940	14763137 Gmdrm	hypo	CG	-0.6094
Gm13	14776360	14776497 Gmdrm	hypo	CG	-0.485
Gm13	14784008	14784353 Gmdrm	hypo	CG	-0.475
Gm13	14785443	14785736 Gmdrm	hypo	CG	-0.1125
Gm13	14800685	14800898 Gmdrm	hypo	CG	-0.9518
Gm13	14801228	14801319 Gmdrm	hypo	CG	-0.825

Gm13	14801693	14802126 Gmdrm	hypo	CG	-0.4755
Gm13	14809758	14809918 Gmdrm	hypo	CG	-0.9317
Gm13	14810688	14810845 Gmdrm	hypo	CG	-0.0919
Gm13	14810950	14811014 Gmdrm	hypo	CG	-0.0783
Gm13	14811610	14811786 Gmdrm	hypo	CG	-0.058
Gm13	14821079	14821186 Gmdrm	hypo	CG	-0.669
Gm13	14823497	14823651 Gmdrm	hypo	CG	-0.9476
Gm13	14824038	14824437 Gmdrm	hypo	CG	-0.554
Gm13	14837354	14837442 Gmdrm	hypo	CG	-0.975
Gm13	14839260	14839375 Gmdrm	hypo	CG	-0.9482
Gm13	14839515	14839602 Gmdrm	hypo	CG	-0.9784
Gm13	14864616	14864703 Gmdrm	hypo	CG	-0.875
Gm13	14869609	14869685 Gmdrm	hypo	CG	-0.534
Gm13	14887921	14888170 Gmdrm	hypo	CG	-0.0233
Gm13	14888610	14888783 Gmdrm	hypo	CG	-0.6575
Gm13	14904647	14904940 Gmdrm	hypo	CG	-0.0611
Gm13	14920734	14920886 Gmdrm	hypo	CG	-0.93
Gm13	14935132	14935225 Gmdrm	hypo	CG	-0.758
Gm13	14948631	14948667 Gmdrm	hypo	CG	-0.83
Gm13	14949111	14949309 Gmdrm	hypo	CG	-0.6958
Gm13	14959235	14959379 Gmdrm	hypo	CG	-0.424
Gm13	14977186	14977265 Gmdrm	hypo	CG	-0.5625
Gm13	14980086	14980181 Gmdrm	hypo	CG	-0.5783
Gm13	14982682	14982741 Gmdrm	hypo	CG	-0.3711
Gm13	14983085	14983494 Gmdrm	hypo	CG	-0.5493
Gm13	14992352	14992604 Gmdrm	hypo	CG	-0.5179
Gm13	15004541	15004580 Gmdrm	hypo	CG	-0.2338
Gm13	15005035	15005141 Gmdrm	hypo	CG	-0.24
Gm13	15020743	15020927 Gmdrm	hypo	CG	-0.4325
Gm13	15031298	15031613 Gmdrm	hypo	CG	-0.7236
Gm13	15032746	15032896 Gmdrm	hypo	CG	-0.038
Gm13	15035522	15035823 Gmdrm	hypo	CG	-0.2466
Gm13	15036928	15037138 Gmdrm	hypo	CG	-0.1225
Gm13	15055274	15055550 Gmdrm	hypo	CG	-0.5334
Gm13	15058787	15058812 Gmdrm	hypo	CG	-0.7001
Gm13	15082799	15082890 Gmdrm	hypo	CG	-0.77
Gm13	15084079	15084108 Gmdrm	hypo	CG	-0.895
Gm13	15084475	15084717 Gmdrm	hypo	CG	-0.8214
Gm13	15103116	15103383 Gmdrm	hypo	CG	-0.2737
Gm13	15103828	15104246 Gmdrm	hypo	CG	-0.0386
Gm13	15109688	15109850 Gmdrm	hypo	CG	-0.5716
Gm13	15110186	15110275 Gmdrm	hypo	CG	-0.4775
Gm13	15140708	15140806 Gmdrm	hypo	CG	-0.135
Gm13	15141002	15141074 Gmdrm	hypo	CG	-0.165
Gm13	15141211	15141373 Gmdrm	hypo	CG	-0.1613
Gm13	15158438	15158670 Gmdrm	hypo	CG	-0.0689

Gm13	15158900	15159182	Gmdrm	hypo	CG	-0.72
Gm13	15162660	15162897	Gmdrm	hypo	CG	-0.913
Gm13	15166138	15166246	Gmdrm	hypo	CG	-0.4425
Gm13	15187754	15188322	Gmdrm	hypo	CG	-0.1762
Gm13	15189604	15189874	Gmdrm	hypo	CG	-0.4806
Gm13	15197520	15197675	Gmdrm	hypo	CG	-0.6662
Gm13	15198022	15198053	Gmdrm	hypo	CG	-0.1167
Gm13	15219158	15219424	Gmdrm	hypo	CG	-0.6236
Gm13	15219967	15220004	Gmdrm	hypo	CG	-0.4816
Gm13	15222487	15222686	Gmdrm	hypo	CG	-0.2127
Gm13	15223180	15223294	Gmdrm	hypo	CG	-0.3657
Gm13	15236720	15236882	Gmdrm	hypo	CG	-0.8024
Gm13	15245300	15245402	Gmdrm	hypo	CG	-0.79
Gm13	15248883	15249014	Gmdrm	hypo	CG	-0.676
Gm13	15252970	15253245	Gmdrm	hypo	CG	-0.2133
Gm13	15259622	15259831	Gmdrm	hypo	CG	-0.6714
Gm13	15275983	15276196	Gmdrm	hypo	CG	-0.335
Gm13	15276507	15276576	Gmdrm	hypo	CG	-0.5317
Gm13	15285993	15286595	Gmdrm	hypo	CG	-0.04
Gm13	15294995	15295091	Gmdrm	hypo	CG	-0.8114
Gm13	15295961	15295978	Gmdrm	hypo	CG	-0.205
Gm13	15307364	15307433	Gmdrm	hypo	CG	-0.4637
Gm13	15315408	15315626	Gmdrm	hypo	CG	-0.9233
Gm13	15331151	15331324	Gmdrm	hypo	CG	-0.9475
Gm13	15349746	15350023	Gmdrm	hypo	CG	-0.3662
Gm13	15363414	15363814	Gmdrm	hypo	CG	-0.0312
Gm13	15366321	15366452	Gmdrm	hypo	CG	-0.4488
Gm13	15388668	15388815	Gmdrm	hypo	CG	-0.698
Gm13	15396526	15396636	Gmdrm	hypo	CG	-0.928
Gm13	15407330	15407468	Gmdrm	hypo	CG	-0.884
Gm13	15436119	15436225	Gmdrm	hypo	CG	-0.5783
Gm13	15439445	15439615	Gmdrm	hypo	CG	-0.532
Gm13	15452664	15452763	Gmdrm	hypo	CG	-0.6187
Gm13	15452895	15453014	Gmdrm	hypo	CG	-0.9125
Gm13	15456996	15457177	Gmdrm	hypo	CG	-0.8474
Gm13	15464684	15464841	Gmdrm	hypo	CG	-0.789
Gm13	15465137	15465466	Gmdrm	hypo	CG	-0.376
Gm13	15507744	15507844	Gmdrm	hypo	CG	-0.363
Gm13	15508191	15508335	Gmdrm	hypo	CG	-0.91
Gm13	15516655	15516972	Gmdrm	hypo	CG	-0.6379
Gm13	15523426	15523484	Gmdrm	hypo	CG	-0.826
Gm13	15525492	15525575	Gmdrm	hypo	CG	-0.9437
Gm13	15526364	15526520	Gmdrm	hypo	CG	-0.5666
Gm13	15559651	15559760	Gmdrm	hypo	CG	-0.932
Gm13	15560619	15560826	Gmdrm	hypo	CG	-0.5507
Gm13	15562203	15562305	Gmdrm	hypo	CG	-0.6433

Gm13	15607684	15607773	Gmdrm	hypo	CG	-0.5987
Gm13	15621223	15621436	Gmdrm	hypo	CG	-0.6266
Gm13	15621612	15621778	Gmdrm	hypo	CG	-0.818
Gm13	15622005	15622174	Gmdrm	hypo	CG	-0.7767
Gm13	15626693	15626941	Gmdrm	hypo	CG	-0.5945
Gm13	15635014	15635251	Gmdrm	hypo	CG	-0.4719
Gm13	15635456	15635554	Gmdrm	hypo	CG	-0.4912
Gm13	15637812	15637956	Gmdrm	hypo	CG	-0.2816
Gm13	15638285	15638378	Gmdrm	hypo	CG	-0.165
Gm13	15646082	15646585	Gmdrm	hypo	CG	-0.569
Gm13	15665253	15665341	Gmdrm	hypo	CG	-0.9188
Gm13	15670240	15670541	Gmdrm	hypo	CG	-0.2758
Gm13	15675720	15675826	Gmdrm	hypo	CG	-0.8701
Gm13	15692663	15692879	Gmdrm	hypo	CG	-0.5
Gm13	15728283	15728447	Gmdrm	hypo	CG	-0.856
Gm13	15758815	15758970	Gmdrm	hypo	CG	-0.2907
Gm13	15775734	15775812	Gmdrm	hypo	CG	-0.9592
Gm13	15779271	15779305	Gmdrm	hypo	CG	-0.4687
Gm13	15779754	15779870	Gmdrm	hypo	CG	-0.765
Gm13	15792931	15793037	Gmdrm	hypo	CG	-0.5533
Gm13	15793224	15793475	Gmdrm	hypo	CG	-0.2715
Gm13	15808770	15808847	Gmdrm	hypo	CG	-0.6
Gm13	15810829	15810835	Gmdrm	hypo	CG	-0.048
Gm13	15811929	15812081	Gmdrm	hypo	CG	-0.6728
Gm13	15812239	15812602	Gmdrm	hypo	CG	-0.5346
Gm13	15817177	15817272	Gmdrm	hypo	CG	-0.855
Gm13	15855898	15856078	Gmdrm	hypo	CG	-0.6872
Gm13	15875106	15876088	Gmdrm	hypo	CG	-0.4805
Gm13	15879295	15879693	Gmdrm	hypo	CG	-0.0982
Gm13	15900190	15900611	Gmdrm	hypo	CG	-0.1128
Gm13	15900848	15900876	Gmdrm	hypo	CG	-0.9017
Gm13	15906795	15906970	Gmdrm	hypo	CG	-0.0825
Gm13	15916365	15916601	Gmdrm	hypo	CG	-0.5869
Gm13	15919248	15919387	Gmdrm	hypo	CG	-0.1225
Gm13	15926716	15926845	Gmdrm	hypo	CG	-0.461
Gm13	15939924	15940118	Gmdrm	hypo	CG	-0.8655
Gm13	15940281	15940337	Gmdrm	hypo	CG	-0.765
Gm13	15954429	15954562	Gmdrm	hypo	CG	-0.8312
Gm13	15958999	15959150	Gmdrm	hypo	CG	-0.47
Gm13	15998909	15999152	Gmdrm	hypo	CG	-0.7595
Gm13	15999856	16000138	Gmdrm	hypo	CG	-0.9548
Gm13	16016884	16017006	Gmdrm	hypo	CG	-0.08
Gm13	16033688	16034074	Gmdrm	hypo	CG	-0.6282
Gm13	16045392	16045453	Gmdrm	hypo	CG	-0.42
Gm13	16047129	16047250	Gmdrm	hypo	CG	-0.0485
Gm13	16081165	16081311	Gmdrm	hypo	CG	-0.77

Gm13	16085948	16085993	Gmdrm	hypo	CG	-0.08
Gm13	16122159	16122247	Gmdrm	hypo	CG	-0.7509
Gm13	16127170	16127375	Gmdrm	hypo	CG	-0.7165
Gm13	16180546	16180687	Gmdrm	hypo	CG	-0.77
Gm13	16193646	16193714	Gmdrm	hypo	CG	-0.4667
Gm13	16198072	16198125	Gmdrm	hypo	CG	-0.3088
Gm13	16199179	16199390	Gmdrm	hypo	CG	-0.234
Gm13	16205042	16205070	Gmdrm	hypo	CG	-0.046
Gm13	16216783	16217096	Gmdrm	hypo	CG	-0.1058
Gm13	16234934	16235065	Gmdrm	hypo	CG	-0.34
Gm13	16235190	16235356	Gmdrm	hypo	CG	-0.0617
Gm13	16236353	16236470	Gmdrm	hypo	CG	-0.6676
Gm13	16253988	16254019	Gmdrm	hypo	CG	-0.05
Gm13	16264446	16264714	Gmdrm	hypo	CG	-0.5312
Gm13	16288171	16288321	Gmdrm	hypo	CG	-0.617
Gm13	16292584	16292722	Gmdrm	hypo	CG	-0.1267
Gm13	16294398	16294640	Gmdrm	hypo	CG	-0.2217
Gm13	16296442	16296927	Gmdrm	hypo	CG	-0.1818
Gm13	16299468	16299600	Gmdrm	hypo	CG	-0.7617
Gm13	16300301	16300339	Gmdrm	hypo	CG	-0.3817
Gm13	16302516	16302659	Gmdrm	hypo	CG	-0.291
Gm13	16308057	16308355	Gmdrm	hypo	CG	-0.1062
Gm13	16308499	16308545	Gmdrm	hypo	CG	-0.5172
Gm13	16310618	16310793	Gmdrm	hypo	CG	-0.8941
Gm13	16324044	16324184	Gmdrm	hypo	CG	-0.039
Gm13	16324570	16324902	Gmdrm	hypo	CG	-0.7142
Gm13	16448007	16448075	Gmdrm	hypo	CG	-0.225
Gm13	16455426	16455545	Gmdrm	hypo	CG	-0.046
Gm13	16463811	16463835	Gmdrm	hypo	CG	-0.1317
Gm13	16496442	16496758	Gmdrm	hypo	CG	-0.4592
Gm13	16510757	16510841	Gmdrm	hypo	CG	-0.052
Gm13	16526699	16527086	Gmdrm	hypo	CG	-0.0739
Gm13	16570469	16570984	Gmdrm	hypo	CG	-0.658
Gm13	16666385	16666712	Gmdrm	hypo	CG	-0.04
Gm13	16678822	16679131	Gmdrm	hypo	CG	-0.3992
Gm13	16680251	16680287	Gmdrm	hypo	CG	-0.815
Gm13	16680395	16680821	Gmdrm	hypo	CG	-0.8342
Gm13	16696509	16696626	Gmdrm	hypo	CG	-0.214
Gm13	16697654	16697886	Gmdrm	hypo	CG	-0.9621
Gm13	16699487	16699602	Gmdrm	hypo	CG	-0.3738
Gm13	16711137	16711277	Gmdrm	hypo	CG	-0.6294
Gm13	16737046	16737354	Gmdrm	hypo	CG	-0.8677
Gm13	16749077	16749319	Gmdrm	hypo	CG	-0.4521
Gm13	16797155	16797608	Gmdrm	hypo	CG	-0.105
Gm13	16798029	16798066	Gmdrm	hypo	CG	-0.4933
Gm13	16805082	16805184	Gmdrm	hypo	CG	-0.7771

Gm13	16807369	16807451	Gmdrm	hypo	CG	-0.8483
Gm13	16847177	16847361	Gmdrm	hypo	CG	-0.8267
Gm13	16853663	16853761	Gmdrm	hypo	CG	-0.1667
Gm13	16854399	16854478	Gmdrm	hypo	CG	-0.6883
Gm13	16874332	16874466	Gmdrm	hypo	CG	-0.6175
Gm13	16881300	16881669	Gmdrm	hypo	CG	-0.6044
Gm13	16915352	16915457	Gmdrm	hypo	CG	-0.0486
Gm13	16925922	16926016	Gmdrm	hypo	CG	-0.7633
Gm13	16995623	16995762	Gmdrm	hypo	CG	-0.636
Gm13	17001462	17001501	Gmdrm	hypo	CG	-0.0733
Gm13	17003819	17003973	Gmdrm	hypo	CG	-0.2062
Gm13	17043014	17043246	Gmdrm	hypo	CG	-0.6734
Gm13	17050067	17050159	Gmdrm	hypo	CG	-0.2489
Gm13	17072628	17072728	Gmdrm	hypo	CG	-0.87
Gm13	17122817	17122967	Gmdrm	hypo	CG	-0.0844
Gm13	17144236	17144745	Gmdrm	hypo	CG	-0.1295
Gm13	17164258	17164550	Gmdrm	hypo	CG	-0.0534
Gm13	17175879	17176026	Gmdrm	hypo	CG	-0.9067
Gm13	17206791	17207166	Gmdrm	hypo	CG	-0.0436
Gm13	17236332	17236442	Gmdrm	hypo	CG	-0.925
Gm13	17251142	17251284	Gmdrm	hypo	CG	-0.035
Gm13	17251556	17251900	Gmdrm	hypo	CG	-0.6572
Gm13	17252793	17253646	Gmdrm	hypo	CG	-0.2612
Gm13	17266036	17266066	Gmdrm	hypo	CG	-0.0684
Gm13	17334154	17334368	Gmdrm	hypo	CG	-0.025
Gm13	17349381	17349496	Gmdrm	hypo	CG	-0.11
Gm13	17352247	17352437	Gmdrm	hypo	CG	-0.026
Gm13	17357167	17357217	Gmdrm	hypo	CG	-0.225
Gm13	17366000	17366158	Gmdrm	hypo	CG	-0.05
Gm13	17399365	17399793	Gmdrm	hypo	CG	-0.5924
Gm13	17404206	17404276	Gmdrm	hypo	CG	-0.9188
Gm13	17488203	17488295	Gmdrm	hypo	CG	-0.3467
Gm13	17511385	17511482	Gmdrm	hypo	CG	-0.7458
Gm13	17581183	17581355	Gmdrm	hypo	CG	-0.4384
Gm13	17582802	17583006	Gmdrm	hypo	CG	-0.4929
Gm13	17585419	17585470	Gmdrm	hypo	CG	-0.786
Gm13	17585571	17585596	Gmdrm	hypo	CG	-0.8833
Gm13	17587109	17587127	Gmdrm	hypo	CG	-0.7684
Gm13	17602882	17603024	Gmdrm	hypo	CG	-0.3655
Gm13	17613938	17614461	Gmdrm	hypo	CG	-0.2543
Gm13	17615541	17615657	Gmdrm	hypo	CG	-0.957
Gm13	17615874	17616147	Gmdrm	hypo	CG	-0.9138
Gm13	17616575	17616995	Gmdrm	hypo	CG	-0.4033
Gm13	17617403	17617516	Gmdrm	hypo	CG	-0.7187
Gm13	17639322	17639525	Gmdrm	hypo	CG	-0.129
Gm13	17642869	17642953	Gmdrm	hypo	CG	-0.34

Gm13	17645209	17645299	Gmdrm	hypo	CG	-0.5083
Gm13	17645632	17645724	Gmdrm	hypo	CG	-0.535
Gm13	17656580	17656590	Gmdrm	hypo	CG	-0.046
Gm13	17658209	17658301	Gmdrm	hypo	CG	-0.8599
Gm13	17660698	17660951	Gmdrm	hypo	CG	-0.1855
Gm13	17661322	17661609	Gmdrm	hypo	CG	-0.1471
Gm13	17661906	17662546	Gmdrm	hypo	CG	-0.0516
Gm13	17674119	17674263	Gmdrm	hypo	CG	-0.8
Gm13	17674995	17675048	Gmdrm	hypo	CG	-0.6434
Gm13	17691804	17691878	Gmdrm	hypo	CG	-0.745
Gm13	17737099	17737274	Gmdrm	hypo	CG	-0.4151
Gm13	17743818	17743853	Gmdrm	hypo	CG	-0.638
Gm13	17768326	17768466	Gmdrm	hypo	CG	-0.7956
Gm13	17769757	17770053	Gmdrm	hypo	CG	-0.6408
Gm13	17900378	17900619	Gmdrm	hypo	CG	-0.8781
Gm13	17900881	17901098	Gmdrm	hypo	CG	-0.8134
Gm13	17914214	17914378	Gmdrm	hypo	CG	-0.0433
Gm13	17946116	17946280	Gmdrm	hypo	CG	-0.4462
Gm13	17966340	17966449	Gmdrm	hypo	CG	-0.9533
Gm13	17967465	17967536	Gmdrm	hypo	CG	-0.4588
Gm13	17984288	17984389	Gmdrm	hypo	CG	-0.6533
Gm13	17984509	17984582	Gmdrm	hypo	CG	-0.7958
Gm13	17990384	17990731	Gmdrm	hypo	CG	-0.3312
Gm13	18007763	18007903	Gmdrm	hypo	CG	-0.0535
Gm13	18024924	18025069	Gmdrm	hypo	CG	-0.0695
Gm13	18030077	18030212	Gmdrm	hypo	CG	-0.3244
Gm13	18080507	18080572	Gmdrm	hypo	CG	-0.605
Gm13	18102489	18102823	Gmdrm	hypo	CG	-0.0312
Gm13	18105581	18105676	Gmdrm	hypo	CG	-0.3534
Gm13	18130529	18131016	Gmdrm	hypo	CG	-0.1253
Gm13	18139024	18139089	Gmdrm	hypo	CG	-0.2767
Gm13	18170415	18170570	Gmdrm	hypo	CG	-0.776
Gm13	18180087	18180239	Gmdrm	hypo	CG	-0.9019
Gm13	18231802	18231881	Gmdrm	hypo	CG	-0.8537
Gm13	18233719	18233974	Gmdrm	hypo	CG	-0.5578
Gm13	18252666	18252819	Gmdrm	hypo	CG	-0.721
Gm13	18277196	18277654	Gmdrm	hypo	CG	-0.597
Gm13	18284803	18284938	Gmdrm	hypo	CG	-0.933
Gm13	18311817	18311971	Gmdrm	hypo	CG	-0.4424
Gm13	18328620	18328873	Gmdrm	hypo	CG	-0.6633
Gm13	18331064	18331559	Gmdrm	hypo	CG	-0.52
Gm13	18333079	18333401	Gmdrm	hypo	CG	-0.72
Gm13	18347605	18347962	Gmdrm	hypo	CG	-0.6615
Gm13	18390557	18390888	Gmdrm	hypo	CG	-0.536
Gm13	18397788	18397953	Gmdrm	hypo	CG	-0.448
Gm13	18398072	18398292	Gmdrm	hypo	CG	-0.604

Gm13	18421019	18421536	Gmdrm	hypo	CG	-0.8368
Gm13	18422094	18422618	Gmdrm	hypo	CG	-0.7606
Gm13	18445384	18445427	Gmdrm	hypo	CG	-0.9187
Gm13	18491839	18492143	Gmdrm	hypo	CG	-0.3462
Gm13	18503329	18503407	Gmdrm	hypo	CG	-0.8483
Gm13	18503581	18503605	Gmdrm	hypo	CG	-0.3633
Gm13	18519647	18519739	Gmdrm	hypo	CG	-0.435
Gm13	18536299	18536768	Gmdrm	hypo	CG	-0.0416
Gm13	18539089	18539537	Gmdrm	hypo	CG	-0.2438
Gm13	18544452	18544491	Gmdrm	hypo	CG	-0.71
Gm13	18554463	18554520	Gmdrm	hypo	CG	-0.2617
Gm13	18569754	18570482	Gmdrm	hypo	CG	-0.7454
Gm13	18579368	18579775	Gmdrm	hypo	CG	-0.4767
Gm13	18589392	18589532	Gmdrm	hypo	CG	-0.895
Gm13	18600350	18600537	Gmdrm	hypo	CG	-0.212
Gm13	18607196	18607281	Gmdrm	hypo	CG	-0.968
Gm13	18609898	18610879	Gmdrm	hypo	CG	-0.0234
Gm13	18651806	18651853	Gmdrm	hypo	CG	-0.107
Gm13	18652415	18652642	Gmdrm	hypo	CG	-0.4758
Gm13	18652750	18652869	Gmdrm	hypo	CG	-0.8429
Gm13	18655723	18655919	Gmdrm	hypo	CG	-0.036
Gm13	18657110	18657571	Gmdrm	hypo	CG	-0.0545
Gm13	18659442	18659537	Gmdrm	hypo	CG	-0.59
Gm13	18671930	18672009	Gmdrm	hypo	CG	-0.57
Gm13	18675496	18675812	Gmdrm	hypo	CG	-0.2618
Gm13	18683676	18683855	Gmdrm	hypo	CG	-0.9162
Gm13	18716975	18717115	Gmdrm	hypo	CG	-0.1045
Gm13	18723337	18723451	Gmdrm	hypo	CG	-0.3667
Gm13	18795783	18795849	Gmdrm	hypo	CG	-0.1116
Gm13	18837449	18837503	Gmdrm	hypo	CG	-0.6717
Gm13	18843631	18843694	Gmdrm	hypo	CG	-0.79
Gm13	18858489	18858605	Gmdrm	hypo	CG	-0.0383
Gm13	18890819	18890934	Gmdrm	hypo	CG	-0.0507
Gm13	18900979	18901148	Gmdrm	hypo	CG	-0.84
Gm13	18914843	18915068	Gmdrm	hypo	CG	-0.07
Gm13	18938538	18938708	Gmdrm	hypo	CG	-0.09
Gm13	18940279	18940508	Gmdrm	hypo	CG	-0.7927
Gm13	18954959	18955305	Gmdrm	hypo	CG	-0.1778
Gm13	18962901	18963018	Gmdrm	hypo	CG	-0.915
Gm13	18989608	18989969	Gmdrm	hypo	CG	-0.2242
Gm13	18997958	18998059	Gmdrm	hypo	CG	-0.095
Gm13	18998450	18998630	Gmdrm	hypo	CG	-0.3558
Gm13	19006954	19007108	Gmdrm	hypo	CG	-0.9375
Gm13	19018699	19019067	Gmdrm	hypo	CG	-0.1685
Gm13	19025432	19025573	Gmdrm	hypo	CG	-0.915
Gm13	19057590	19057628	Gmdrm	hypo	CG	-0.2567

Gm13	19067201	19068011	Gmdrm	hypo	CG	-0.0552
Gm13	19102471	19102678	Gmdrm	hypo	CG	-0.0573
Gm13	19122361	19122493	Gmdrm	hypo	CG	-0.9465
Gm13	19148389	19148478	Gmdrm	hypo	CG	-0.082
Gm13	19149235	19149424	Gmdrm	hypo	CG	-0.5863
Gm13	19149694	19149862	Gmdrm	hypo	CG	-0.391
Gm13	19165373	19165492	Gmdrm	hypo	CG	-0.963
Gm13	19169676	19170145	Gmdrm	hypo	CG	-0.3327
Gm13	19187788	19187915	Gmdrm	hypo	CG	-0.0726
Gm13	19211871	19212178	Gmdrm	hypo	CG	-0.552
Gm13	19212565	19212786	Gmdrm	hypo	CG	-0.3761
Gm13	19279205	19279616	Gmdrm	hypo	CG	-0.2467
Gm13	19281557	19281702	Gmdrm	hypo	CG	-0.152
Gm13	19295185	19295440	Gmdrm	hypo	CG	-0.3606
Gm13	19316599	19316778	Gmdrm	hypo	CG	-0.0567
Gm13	19361159	19361530	Gmdrm	hypo	CG	-0.025
Gm13	19424643	19424689	Gmdrm	hypo	CG	-0.645
Gm13	19427318	19427602	Gmdrm	hypo	CG	-0.6259
Gm13	19431070	19431278	Gmdrm	hypo	CG	-0.1631
Gm13	19431767	19431974	Gmdrm	hypo	CG	-0.7344
Gm13	19452695	19453053	Gmdrm	hypo	CG	-0.874
Gm13	19453166	19453438	Gmdrm	hypo	CG	-0.8514
Gm13	19473003	19473037	Gmdrm	hypo	CG	-0.3
Gm13	19492919	19493206	Gmdrm	hypo	CG	-0.039
Gm13	19493330	19493516	Gmdrm	hypo	CG	-0.248
Gm13	19495250	19495323	Gmdrm	hypo	CG	-0.9317
Gm13	19495655	19495710	Gmdrm	hypo	CG	-0.406
Gm13	19549250	19549482	Gmdrm	hypo	CG	-0.026
Gm13	19552466	19552542	Gmdrm	hypo	CG	-0.6166
Gm13	19572386	19572689	Gmdrm	hypo	CG	-0.057
Gm13	19613470	19613736	Gmdrm	hypo	CG	-0.074
Gm13	19624259	19624679	Gmdrm	hypo	CG	-0.8048
Gm13	19631525	19631841	Gmdrm	hypo	CG	-0.6925
Gm13	19732119	19732254	Gmdrm	hypo	CG	-0.2962
Gm13	19732364	19732579	Gmdrm	hypo	CG	-0.5061
Gm13	19733987	19734061	Gmdrm	hypo	CG	-0.075
Gm13	19740348	19740448	Gmdrm	hypo	CG	-0.4287
Gm13	19752973	19753134	Gmdrm	hypo	CG	-0.5808
Gm13	19755772	19755972	Gmdrm	hypo	CG	-0.5847
Gm13	19756078	19756416	Gmdrm	hypo	CG	-0.7
Gm13	19761428	19761585	Gmdrm	hypo	CG	-0.2453
Gm13	19774494	19774704	Gmdrm	hypo	CG	-0.07
Gm13	19784316	19784437	Gmdrm	hypo	CG	-0.9499
Gm13	19784797	19784898	Gmdrm	hypo	CG	-0.4075
Gm13	19788111	19788479	Gmdrm	hypo	CG	-0.0323
Gm13	19790212	19790292	Gmdrm	hypo	CG	-0.068

Gm13	19802791	19803077	Gmdrm	hypo	CG	-0.9088
Gm13	19808621	19808667	Gmdrm	hypo	CG	-0.032
Gm13	19819386	19819492	Gmdrm	hypo	CG	-0.7825
Gm13	19846131	19846358	Gmdrm	hypo	CG	-0.2574
Gm13	19861933	19862100	Gmdrm	hypo	CG	-0.765
Gm13	19863596	19863678	Gmdrm	hypo	CG	-0.04
Gm13	19864166	19864422	Gmdrm	hypo	CG	-0.0464
Gm13	19865108	19865207	Gmdrm	hypo	CG	-0.0645
Gm13	19883856	19884149	Gmdrm	hypo	CG	-0.9516
Gm13	19894311	19894450	Gmdrm	hypo	CG	-0.7063
Gm13	19921492	19921621	Gmdrm	hypo	CG	-0.963
Gm13	19922552	19922745	Gmdrm	hypo	CG	-0.6975
Gm13	19923465	19923812	Gmdrm	hypo	CG	-0.8928
Gm13	19937854	19937916	Gmdrm	hypo	CG	-0.6417
Gm13	19953189	19953511	Gmdrm	hypo	CG	-0.0358
Gm13	19958244	19958355	Gmdrm	hypo	CG	-0.6962
Gm13	19961757	19962080	Gmdrm	hypo	CG	-0.7007
Gm13	19967962	19968043	Gmdrm	hypo	CG	-0.8287
Gm13	19980963	19981404	Gmdrm	hypo	CG	-0.72
Gm13	20006052	20006237	Gmdrm	hypo	CG	-0.1196
Gm13	20033118	20033201	Gmdrm	hypo	CG	-0.9133
Gm13	20036146	20036382	Gmdrm	hypo	CG	-0.05
Gm13	20045661	20045860	Gmdrm	hypo	CG	-0.8858
Gm13	20048234	20048400	Gmdrm	hypo	CG	-0.8267
Gm13	20048922	20049670	Gmdrm	hypo	CG	-0.0758
Gm13	20051495	20051615	Gmdrm	hypo	CG	-0.7871
Gm13	20053070	20053154	Gmdrm	hypo	CG	-0.6566
Gm13	20092737	20092882	Gmdrm	hypo	CG	-0.6925
Gm13	20098871	20098902	Gmdrm	hypo	CG	-0.585
Gm13	20105417	20105560	Gmdrm	hypo	CG	-0.6125
Gm13	20105774	20106050	Gmdrm	hypo	CG	-0.9067
Gm13	20132858	20133099	Gmdrm	hypo	CG	-0.47
Gm13	20133876	20133906	Gmdrm	hypo	CG	-0.7283
Gm13	20134221	20134713	Gmdrm	hypo	CG	-0.8294
Gm13	20153543	20153812	Gmdrm	hypo	CG	-0.3757
Gm13	20191694	20191731	Gmdrm	hypo	CG	-0.05
Gm13	20206920	20207012	Gmdrm	hypo	CG	-0.9084
Gm13	20207183	20207205	Gmdrm	hypo	CG	-0.9767
Gm13	20219951	20220125	Gmdrm	hypo	CG	-0.545
Gm13	20225319	20225540	Gmdrm	hypo	CG	-0.5083
Gm13	20227336	20227422	Gmdrm	hypo	CG	-0.712
Gm13	20232133	20232200	Gmdrm	hypo	CG	-0.2383
Gm13	20238180	20238248	Gmdrm	hypo	CG	-0.2575
Gm13	20262687	20263255	Gmdrm	hypo	CG	-0.6604
Gm13	20281429	20281503	Gmdrm	hypo	CG	-0.8525
Gm13	20296523	20296664	Gmdrm	hypo	CG	-0.048

Gm13	20305603	20305811	Gmdrm	hypo	CG	-0.6467
Gm13	20307856	20308121	Gmdrm	hypo	CG	-0.0443
Gm13	20322601	20322616	Gmdrm	hypo	CG	-0.4667
Gm13	20339569	20339991	Gmdrm	hypo	CG	-0.7837
Gm13	20360781	20361018	Gmdrm	hypo	CG	-0.6709
Gm13	20365816	20366130	Gmdrm	hypo	CG	-0.7015
Gm13	20366681	20366987	Gmdrm	hypo	CG	-0.5892
Gm13	20396323	20396527	Gmdrm	hypo	CG	-0.042
Gm13	20426507	20426705	Gmdrm	hypo	CG	-0.9113
Gm13	20435015	20435178	Gmdrm	hypo	CG	-0.2242
Gm13	20481747	20481770	Gmdrm	hypo	CG	-0.8166
Gm13	20483090	20483314	Gmdrm	hypo	CG	-0.6607
Gm13	20494471	20494652	Gmdrm	hypo	CG	-0.1725
Gm13	20501395	20501482	Gmdrm	hypo	CG	-0.2975
Gm13	20528852	20529095	Gmdrm	hypo	CG	-0.7808
Gm13	20529835	20529926	Gmdrm	hypo	CG	-0.044
Gm13	20532913	20533019	Gmdrm	hypo	CG	-0.808
Gm13	20541331	20541623	Gmdrm	hypo	CG	-0.0391
Gm13	20544100	20544474	Gmdrm	hypo	CG	-0.5036
Gm13	20545248	20545523	Gmdrm	hypo	CG	-0.8695
Gm13	20546486	20546754	Gmdrm	hypo	CG	-0.8154
Gm13	20623391	20623516	Gmdrm	hypo	CG	-0.7562
Gm13	20674900	20675059	Gmdrm	hypo	CG	-0.0357
Gm13	20689390	20689702	Gmdrm	hypo	CG	-0.9393
Gm13	20692580	20692758	Gmdrm	hypo	CG	-0.4567
Gm13	20701039	20701079	Gmdrm	hypo	CG	-0.975
Gm13	20719097	20719408	Gmdrm	hypo	CG	-0.8625
Gm13	20720662	20720716	Gmdrm	hypo	CG	-0.0545
Gm13	20820495	20820750	Gmdrm	hypo	CG	-0.132
Gm13	20829076	20829213	Gmdrm	hypo	CG	-0.5089
Gm13	20829590	20829712	Gmdrm	hypo	CG	-0.4749
Gm13	20833002	20833233	Gmdrm	hypo	CG	-0.5835
Gm13	20838072	20838167	Gmdrm	hypo	CG	-0.7949
Gm13	20891858	20892006	Gmdrm	hypo	CG	-0.4906
Gm13	20937918	20937951	Gmdrm	hypo	CG	-0.6967
Gm13	20938188	20938383	Gmdrm	hypo	CG	-0.6327
Gm13	20938543	20938698	Gmdrm	hypo	CG	-0.9217
Gm13	20947611	20947750	Gmdrm	hypo	CG	-0.9282
Gm13	20947915	20947989	Gmdrm	hypo	CG	-0.9063
Gm13	20950256	20950561	Gmdrm	hypo	CG	-0.1741
Gm13	20951258	20951592	Gmdrm	hypo	CG	-0.7709
Gm13	20976599	20976732	Gmdrm	hypo	CG	-0.2357
Gm13	20982942	20983182	Gmdrm	hypo	CG	-0.2375
Gm13	21001481	21001627	Gmdrm	hypo	CG	-0.83
Gm13	21021537	21021796	Gmdrm	hypo	CG	-0.5183
Gm13	21026175	21026264	Gmdrm	hypo	CG	-0.3065

Gm13	21036012	21036212	Gmdrm	hypo	CG	-0.1709
Gm13	21052117	21052163	Gmdrm	hypo	CG	-0.9175
Gm13	21078320	21078614	Gmdrm	hypo	CG	-0.4492
Gm13	21098730	21098906	Gmdrm	hypo	CG	-0.5666
Gm13	21115724	21116158	Gmdrm	hypo	CG	-0.394
Gm13	21118983	21119170	Gmdrm	hypo	CG	-0.7994
Gm13	21123298	21123380	Gmdrm	hypo	CG	-0.474
Gm13	21123490	21123823	Gmdrm	hypo	CG	-0.6531
Gm13	21156256	21156405	Gmdrm	hypo	CG	-0.047
Gm13	21183065	21183257	Gmdrm	hypo	CG	-0.4527
Gm13	21183663	21184086	Gmdrm	hypo	CG	-0.5365
Gm13	21184482	21184691	Gmdrm	hypo	CG	-0.561
Gm13	21200121	21200319	Gmdrm	hypo	CG	-0.0375
Gm13	21259844	21260041	Gmdrm	hypo	CG	-0.3539
Gm13	21260876	21261249	Gmdrm	hypo	CG	-0.6029
Gm13	21283451	21283786	Gmdrm	hypo	CG	-0.5739
Gm13	21287476	21287605	Gmdrm	hypo	CG	-0.6428
Gm13	21325349	21325414	Gmdrm	hypo	CG	-0.6034
Gm13	21325730	21325856	Gmdrm	hypo	CG	-0.534
Gm13	21335735	21335836	Gmdrm	hypo	CG	-0.6683
Gm13	21348779	21348859	Gmdrm	hypo	CG	-0.5117
Gm13	21378399	21378597	Gmdrm	hypo	CG	-0.7729
Gm13	21378871	21379041	Gmdrm	hypo	CG	-0.8256
Gm13	21383319	21383541	Gmdrm	hypo	CG	-0.496
Gm13	21384813	21384940	Gmdrm	hypo	CG	-0.3184
Gm13	21385072	21385141	Gmdrm	hypo	CG	-0.3787
Gm13	21393568	21393597	Gmdrm	hypo	CG	-0.278
Gm13	21417053	21417216	Gmdrm	hypo	CG	-0.654
Gm13	21449601	21449617	Gmdrm	hypo	CG	-0.9533
Gm13	21457306	21457564	Gmdrm	hypo	CG	-0.8031
Gm13	21480549	21480715	Gmdrm	hypo	CG	-0.072
Gm13	21480834	21481380	Gmdrm	hypo	CG	-0.4863
Gm13	21481633	21481728	Gmdrm	hypo	CG	-0.7533
Gm13	21483918	21484140	Gmdrm	hypo	CG	-0.5243
Gm13	21485485	21485632	Gmdrm	hypo	CG	-0.7617
Gm13	21511005	21511146	Gmdrm	hypo	CG	-0.054
Gm13	21516056	21516258	Gmdrm	hypo	CG	-0.7438
Gm13	21518996	21519093	Gmdrm	hypo	CG	-0.954
Gm13	21563147	21563220	Gmdrm	hypo	CG	-0.8833
Gm13	21566746	21566827	Gmdrm	hypo	CG	-0.775
Gm13	21585815	21586164	Gmdrm	hypo	CG	-0.5628
Gm13	21586811	21586959	Gmdrm	hypo	CG	-0.6038
Gm13	21590432	21590641	Gmdrm	hypo	CG	-0.7615
Gm13	21597313	21597552	Gmdrm	hypo	CG	-0.03
Gm13	21609359	21609409	Gmdrm	hypo	CG	-0.088
Gm13	21626161	21626246	Gmdrm	hypo	CG	-0.05

Gm13	21626654	21626761	Gmdrm	hypo	CG	-0.6275
Gm13	21633786	21633863	Gmdrm	hypo	CG	-0.81
Gm13	21653352	21653397	Gmdrm	hypo	CG	-0.8734
Gm13	21676947	21677228	Gmdrm	hypo	CG	-0.0351
Gm13	21685277	21685805	Gmdrm	hypo	CG	-0.2182
Gm13	21692326	21692499	Gmdrm	hypo	CG	-0.757
Gm13	21692616	21692836	Gmdrm	hypo	CG	-0.9394
Gm13	21739471	21739524	Gmdrm	hypo	CG	-0.034
Gm13	21751551	21751797	Gmdrm	hypo	CG	-0.5483
Gm13	21757398	21757482	Gmdrm	hypo	CG	-0.9516
Gm13	21758558	21758773	Gmdrm	hypo	CG	-0.8526
Gm13	21766765	21767010	Gmdrm	hypo	CG	-0.6992
Gm13	21803442	21803993	Gmdrm	hypo	CG	-0.6925
Gm13	21807888	21808194	Gmdrm	hypo	CG	-0.0475
Gm13	21811600	21812340	Gmdrm	hypo	CG	-0.2573
Gm13	21831505	21831596	Gmdrm	hypo	CG	-0.2849
Gm13	21855117	21855558	Gmdrm	hypo	CG	-0.3245
Gm13	21856057	21856162	Gmdrm	hypo	CG	-0.328
Gm13	21856928	21857281	Gmdrm	hypo	CG	-0.294
Gm13	21857413	21857511	Gmdrm	hypo	CG	-0.444
Gm13	21859682	21859895	Gmdrm	hypo	CG	-0.6467
Gm13	21926155	21926594	Gmdrm	hypo	CG	-0.844
Gm13	21930189	21930547	Gmdrm	hypo	CG	-0.1089
Gm13	21931957	21932041	Gmdrm	hypo	CG	-0.038
Gm13	21945020	21945084	Gmdrm	hypo	CG	-0.708
Gm13	21962813	21962921	Gmdrm	hypo	CG	-0.052
Gm13	21977185	21977292	Gmdrm	hypo	CG	-0.03
Gm13	21987337	21987478	Gmdrm	hypo	CG	-0.115
Gm13	21987743	21987824	Gmdrm	hypo	CG	-0.4312
Gm13	22001885	22002040	Gmdrm	hypo	CG	-0.8188
Gm13	22002406	22002608	Gmdrm	hypo	CG	-0.4136
Gm13	22006425	22006455	Gmdrm	hypo	CG	-0.5633
Gm13	22010336	22010466	Gmdrm	hypo	CG	-0.9216
Gm13	22014899	22015152	Gmdrm	hypo	CG	-0.6063
Gm13	22086276	22086418	Gmdrm	hypo	CG	-0.0633
Gm13	22093328	22093437	Gmdrm	hypo	CG	-0.933
Gm13	22128404	22128562	Gmdrm	hypo	CG	-0.7417
Gm13	22208239	22208435	Gmdrm	hypo	CG	-0.4573
Gm13	22237951	22238202	Gmdrm	hypo	CG	-0.2656
Gm13	22245499	22245655	Gmdrm	hypo	CG	-0.5762
Gm13	22257134	22257491	Gmdrm	hypo	CG	-0.0561
Gm13	22259511	22259753	Gmdrm	hypo	CG	-0.885
Gm13	22259860	22259881	Gmdrm	hypo	CG	-0.625
Gm13	22355480	22355591	Gmdrm	hypo	CG	-0.9267
Gm13	22355969	22356053	Gmdrm	hypo	CG	-0.3384
Gm13	22358743	22359092	Gmdrm	hypo	CG	-0.6931

Gm13	22363245	22363284	Gmdrm	hypo	CG	-0.4088
Gm13	22363429	22363685	Gmdrm	hypo	CG	-0.6468
Gm13	22376229	22376352	Gmdrm	hypo	CG	-0.7466
Gm13	22406887	22407031	Gmdrm	hypo	CG	-0.2593
Gm13	22424916	22424974	Gmdrm	hypo	CG	-0.9334
Gm13	22463034	22463216	Gmdrm	hypo	CG	-0.5976
Gm13	22463923	22464175	Gmdrm	hypo	CG	-0.1329
Gm13	22479641	22479857	Gmdrm	hypo	CG	-0.045
Gm13	22486961	22487107	Gmdrm	hypo	CG	-0.036
Gm13	22496267	22496328	Gmdrm	hypo	CG	-0.7175
Gm13	22498648	22498773	Gmdrm	hypo	CG	-0.9033
Gm13	22549109	22549312	Gmdrm	hypo	CG	-0.7385
Gm13	22554027	22554427	Gmdrm	hypo	CG	-0.0287
Gm13	22555214	22555532	Gmdrm	hypo	CG	-0.1048
Gm13	22563526	22563621	Gmdrm	hypo	CG	-0.9786
Gm13	22564419	22564550	Gmdrm	hypo	CG	-0.9471
Gm13	22575819	22576129	Gmdrm	hypo	CG	-0.6233
Gm13	22578786	22579211	Gmdrm	hypo	CG	-0.813
Gm13	22579953	22580136	Gmdrm	hypo	CG	-0.5613
Gm13	22581127	22581346	Gmdrm	hypo	CG	-0.6217
Gm13	22581702	22581798	Gmdrm	hypo	CG	-0.697
Gm13	22593388	22593532	Gmdrm	hypo	CG	-0.845
Gm13	22597311	22597399	Gmdrm	hypo	CG	-0.89
Gm13	22605321	22605452	Gmdrm	hypo	CG	-0.06
Gm13	22609673	22609778	Gmdrm	hypo	CG	-0.0575
Gm13	22626605	22626795	Gmdrm	hypo	CG	-0.754
Gm13	22627157	22627292	Gmdrm	hypo	CG	-0.7279
Gm13	22628763	22628924	Gmdrm	hypo	CG	-0.0993
Gm13	22642509	22642676	Gmdrm	hypo	CG	-0.758
Gm13	22659572	22659747	Gmdrm	hypo	CG	-0.4167
Gm13	22670987	22671135	Gmdrm	hypo	CG	-0.126
Gm13	22673700	22673871	Gmdrm	hypo	CG	-0.0911
Gm13	22689963	22690047	Gmdrm	hypo	CG	-0.815
Gm13	22709351	22709429	Gmdrm	hypo	CG	-0.828
Gm13	22728326	22728396	Gmdrm	hypo	CG	-0.5033
Gm13	22739246	22739271	Gmdrm	hypo	CG	-0.09
Gm13	22742774	22742860	Gmdrm	hypo	CG	-0.048
Gm13	22747556	22747604	Gmdrm	hypo	CG	-0.6483
Gm13	22752779	22752904	Gmdrm	hypo	CG	-0.327
Gm13	22763560	22763922	Gmdrm	hypo	CG	-0.857
Gm13	22853769	22853883	Gmdrm	hypo	CG	-0.5013
Gm13	22854095	22854338	Gmdrm	hypo	CG	-0.4958
Gm13	22854449	22854765	Gmdrm	hypo	CG	-0.752
Gm13	22857529	22857587	Gmdrm	hypo	CG	-0.7117
Gm13	22866902	22867283	Gmdrm	hypo	CG	-0.522
Gm13	22885497	22885797	Gmdrm	hypo	CG	-0.2529

Gm13	22886221	22886438	Gmdrm	hypo	CG	-0.1334
Gm13	22887881	22887968	Gmdrm	hypo	CG	-0.6837
Gm13	22895173	22895350	Gmdrm	hypo	CG	-0.0543
Gm13	22910880	22910983	Gmdrm	hypo	CG	-0.685
Gm13	22933286	22933397	Gmdrm	hypo	CG	-0.06
Gm13	22936035	22936141	Gmdrm	hypo	CG	-0.452
Gm13	22945577	22945689	Gmdrm	hypo	CG	-0.4233
Gm13	22971993	22972143	Gmdrm	hypo	CG	-0.9725
Gm13	22973640	22974212	Gmdrm	hypo	CG	-0.4018
Gm13	22974453	22974724	Gmdrm	hypo	CG	-0.9467
Gm13	22987334	22987621	Gmdrm	hypo	CG	-0.7325
Gm13	22997624	22997786	Gmdrm	hypo	CG	-0.4443
Gm13	22999780	22999932	Gmdrm	hypo	CG	-0.2424
Gm13	23004796	23004879	Gmdrm	hypo	CG	-0.6313
Gm13	23005097	23005133	Gmdrm	hypo	CG	-0.066
Gm13	23006505	23006833	Gmdrm	hypo	CG	-0.3107
Gm13	23021667	23021816	Gmdrm	hypo	CG	-0.864
Gm13	23043241	23043526	Gmdrm	hypo	CG	-0.18
Gm13	23053870	23054253	Gmdrm	hypo	CG	-0.252
Gm13	23059823	23060289	Gmdrm	hypo	CG	-0.1541
Gm13	23060523	23060688	Gmdrm	hypo	CG	-0.0386
Gm13	23082446	23082668	Gmdrm	hypo	CG	-0.6062
Gm13	23082855	23083137	Gmdrm	hypo	CG	-0.8865
Gm13	23089835	23089992	Gmdrm	hypo	CG	-0.9537
Gm13	23108948	23109064	Gmdrm	hypo	CG	-0.2844
Gm13	23124425	23124600	Gmdrm	hypo	CG	-0.7122
Gm13	23133959	23134061	Gmdrm	hypo	CG	-0.3017
Gm13	23178644	23178691	Gmdrm	hypo	CG	-0.936
Gm13	23210147	23210339	Gmdrm	hypo	CG	-0.5984
Gm13	23211662	23211829	Gmdrm	hypo	CG	-0.15
Gm13	23212517	23212563	Gmdrm	hypo	CG	-0.0617
Gm13	23264560	23264735	Gmdrm	hypo	CG	-0.48
Gm13	23279201	23279386	Gmdrm	hypo	CG	-0.1664
Gm13	23279614	23279801	Gmdrm	hypo	CG	-0.7708
Gm13	23313769	23313957	Gmdrm	hypo	CG	-0.694
Gm13	23314083	23314197	Gmdrm	hypo	CG	-0.5237
Gm13	23317456	23317497	Gmdrm	hypo	CG	-0.96
Gm13	23317618	23317800	Gmdrm	hypo	CG	-0.7058
Gm13	23362166	23362317	Gmdrm	hypo	CG	-0.88
Gm13	23364370	23364599	Gmdrm	hypo	CG	-0.6033
Gm13	23392009	23392088	Gmdrm	hypo	CG	-0.06
Gm13	23407030	23407240	Gmdrm	hypo	CG	-0.0717
Gm13	23416369	23416519	Gmdrm	hypo	CG	-0.9292
Gm13	23416712	23416779	Gmdrm	hypo	CG	-0.4084
Gm13	23441379	23441431	Gmdrm	hypo	CG	-0.9533
Gm13	23441903	23442055	Gmdrm	hypo	CG	-0.944

Gm13	23451771	23451927	Gmdrm	hypo	CG	-0.89
Gm13	23452578	23452703	Gmdrm	hypo	CG	-0.87
Gm13	23452810	23452838	Gmdrm	hypo	CG	-0.9683
Gm13	23455458	23455774	Gmdrm	hypo	CG	-0.7184
Gm13	23464771	23465057	Gmdrm	hypo	CG	-0.6659
Gm13	23467331	23467802	Gmdrm	hypo	CG	-0.0973
Gm13	23480413	23480583	Gmdrm	hypo	CG	-0.705
Gm13	23485267	23485480	Gmdrm	hypo	CG	-0.5727
Gm13	23485936	23486100	Gmdrm	hypo	CG	-0.6509
Gm13	23497690	23497747	Gmdrm	hypo	CG	-0.925
Gm13	23543517	23543628	Gmdrm	hypo	CG	-0.507
Gm13	23555530	23555623	Gmdrm	hypo	CG	-0.0613
Gm13	23578777	23578925	Gmdrm	hypo	CG	-0.5867
Gm13	23579164	23579193	Gmdrm	hypo	CG	-0.7383
Gm13	23594678	23594861	Gmdrm	hypo	CG	-0.4718
Gm13	23610788	23611033	Gmdrm	hypo	CG	-0.0329
Gm13	23613189	23613471	Gmdrm	hypo	CG	-0.7017
Gm13	23637661	23637992	Gmdrm	hypo	CG	-0.0869
Gm13	23650159	23650225	Gmdrm	hypo	CG	-0.2384
Gm13	23668997	23669111	Gmdrm	hypo	CG	-0.0344
Gm13	23671812	23671955	Gmdrm	hypo	CG	-0.0433
Gm13	23677008	23677182	Gmdrm	hypo	CG	-0.7033
Gm13	23678109	23678130	Gmdrm	hypo	CG	-0.2
Gm13	23678262	23678513	Gmdrm	hypo	CG	-0.2468
Gm13	23698511	23698610	Gmdrm	hypo	CG	-0.9383
Gm13	23698979	23699205	Gmdrm	hypo	CG	-0.9615
Gm13	23720076	23720154	Gmdrm	hypo	CG	-0.9262
Gm13	23740851	23741099	Gmdrm	hypo	CG	-0.822
Gm13	23783787	23783850	Gmdrm	hypo	CG	-0.7963
Gm13	23859035	23859176	Gmdrm	hypo	CG	-0.8611
Gm13	23864917	23865075	Gmdrm	hypo	CG	-0.567
Gm13	23866381	23866448	Gmdrm	hypo	CG	-0.9256
Gm13	23872255	23872404	Gmdrm	hypo	CG	-0.5344
Gm13	23887430	23887498	Gmdrm	hypo	CG	-0.2137
Gm13	23915657	23915788	Gmdrm	hypo	CG	-0.27
Gm13	23922411	23922483	Gmdrm	hypo	CG	-0.125
Gm13	23942111	23942516	Gmdrm	hypo	CG	-0.7963
Gm13	23942987	23943104	Gmdrm	hypo	CG	-0.3775
Gm13	23956479	23956732	Gmdrm	hypo	CG	-0.436
Gm13	23961496	23961637	Gmdrm	hypo	CG	-0.24
Gm13	23967816	23967955	Gmdrm	hypo	CG	-0.4483
Gm13	23975075	23975283	Gmdrm	hypo	CG	-0.153
Gm13	23979319	23979344	Gmdrm	hypo	CG	-0.295
Gm13	23997834	23997937	Gmdrm	hypo	CG	-0.558
Gm13	24007854	24007972	Gmdrm	hypo	CG	-0.14
Gm13	24008140	24008189	Gmdrm	hypo	CG	-0.9183

Gm13	24014330	24014618	Gmdrm	hypo	CG	-0.439
Gm13	24014761	24015309	Gmdrm	hypo	CG	-0.2113
Gm13	24055608	24055747	Gmdrm	hypo	CG	-0.281
Gm13	24056340	24056512	Gmdrm	hypo	CG	-0.1731
Gm13	24079928	24080080	Gmdrm	hypo	CG	-0.534
Gm13	24085281	24085522	Gmdrm	hypo	CG	-0.495
Gm13	24090331	24090437	Gmdrm	hypo	CG	-0.5912
Gm13	24090560	24090673	Gmdrm	hypo	CG	-0.5837
Gm13	24107695	24107835	Gmdrm	hypo	CG	-0.089
Gm13	24112802	24113016	Gmdrm	hypo	CG	-0.8689
Gm13	24148107	24148489	Gmdrm	hypo	CG	-0.193
Gm13	24148621	24148895	Gmdrm	hypo	CG	-0.2126
Gm13	24152259	24152465	Gmdrm	hypo	CG	-0.045
Gm13	24160944	24161061	Gmdrm	hypo	CG	-0.4688
Gm13	24162040	24162217	Gmdrm	hypo	CG	-0.152
Gm13	24229882	24230141	Gmdrm	hypo	CG	-0.1593
Gm13	24245457	24245732	Gmdrm	hypo	CG	-0.7822
Gm13	24253975	24254087	Gmdrm	hypo	CG	-0.3366
Gm13	24254546	24254700	Gmdrm	hypo	CG	-0.927
Gm13	24255126	24255404	Gmdrm	hypo	CG	-0.65
Gm13	24257002	24257097	Gmdrm	hypo	CG	-0.9662
Gm13	24269565	24269898	Gmdrm	hypo	CG	-0.7835
Gm13	24278737	24278899	Gmdrm	hypo	CG	-0.9337
Gm13	24280079	24280365	Gmdrm	hypo	CG	-0.5333
Gm13	24285020	24285345	Gmdrm	hypo	CG	-0.6327
Gm13	24295067	24295157	Gmdrm	hypo	CG	-0.95
Gm13	24295286	24295480	Gmdrm	hypo	CG	-0.91
Gm13	24310029	24310291	Gmdrm	hypo	CG	-0.775
Gm13	24330842	24330871	Gmdrm	hypo	CG	-0.7901
Gm13	24339341	24339414	Gmdrm	hypo	CG	-0.5825
Gm13	24341724	24341768	Gmdrm	hypo	CG	-0.7586
Gm13	24342354	24342389	Gmdrm	hypo	CG	-0.585
Gm13	24344479	24344545	Gmdrm	hypo	CG	-0.859
Gm13	24348905	24348938	Gmdrm	hypo	CG	-0.7367
Gm13	24359280	24359591	Gmdrm	hypo	CG	-0.3464
Gm13	24370213	24370267	Gmdrm	hypo	CG	-0.3
Gm13	24374194	24374556	Gmdrm	hypo	CG	-0.9094
Gm13	24375294	24375421	Gmdrm	hypo	CG	-0.7816
Gm13	24395052	24395100	Gmdrm	hypo	CG	-0.855
Gm13	24421948	24422148	Gmdrm	hypo	CG	-0.2181
Gm13	24422265	24422371	Gmdrm	hypo	CG	-0.549
Gm13	24422687	24422838	Gmdrm	hypo	CG	-0.08
Gm13	24431789	24432024	Gmdrm	hypo	CG	-0.6219
Gm13	24442206	24442263	Gmdrm	hypo	CG	-0.96
Gm13	24447120	24447482	Gmdrm	hypo	CG	-0.8824
Gm13	24453245	24453534	Gmdrm	hypo	CG	-0.8989

Gm13	24492262	24492346	Gmdrm	hypo	CG	-0.5025
Gm13	24492451	24492804	Gmdrm	hypo	CG	-0.1238
Gm13	24492915	24493029	Gmdrm	hypo	CG	-0.145
Gm13	24497464	24497666	Gmdrm	hypo	CG	-0.1089
Gm13	24524222	24524263	Gmdrm	hypo	CG	-0.2416
Gm13	24524731	24524761	Gmdrm	hypo	CG	-0.86
Gm13	24534137	24534355	Gmdrm	hypo	CG	-0.6658
Gm13	24547544	24547710	Gmdrm	hypo	CG	-0.95
Gm13	24548502	24548541	Gmdrm	hypo	CG	-0.5884
Gm13	24548843	24548880	Gmdrm	hypo	CG	-0.6416
Gm13	24549027	24549167	Gmdrm	hypo	CG	-0.4
Gm13	24549277	24549467	Gmdrm	hypo	CG	-0.8494
Gm13	24572286	24572596	Gmdrm	hypo	CG	-0.5134
Gm13	24602894	24603054	Gmdrm	hypo	CG	-0.6375
Gm13	24603303	24603341	Gmdrm	hypo	CG	-0.835
Gm13	24603462	24603596	Gmdrm	hypo	CG	-0.71
Gm13	24603821	24603928	Gmdrm	hypo	CG	-0.6712
Gm13	24613385	24613586	Gmdrm	hypo	CG	-0.533
Gm13	24616166	24616661	Gmdrm	hypo	CG	-0.2768
Gm13	24618287	24618455	Gmdrm	hypo	CG	-0.4942
Gm13	24618895	24619046	Gmdrm	hypo	CG	-0.8486
Gm13	24630544	24631009	Gmdrm	hypo	CG	-0.0247
Gm13	24631247	24631311	Gmdrm	hypo	CG	-0.0733
Gm13	24645039	24645464	Gmdrm	hypo	CG	-0.4758
Gm13	24645610	24645843	Gmdrm	hypo	CG	-0.3597
Gm13	24664064	24664190	Gmdrm	hypo	CG	-0.8583
Gm13	24684275	24684734	Gmdrm	hypo	CG	-0.6081
Gm13	24689903	24690042	Gmdrm	hypo	CG	-0.6033
Gm13	24693385	24693460	Gmdrm	hypo	CG	-0.7873
Gm13	24693866	24694274	Gmdrm	hypo	CG	-0.4874
Gm13	24698995	24699277	Gmdrm	hypo	CG	-0.4544
Gm13	24705111	24705162	Gmdrm	hypo	CG	-0.5567
Gm13	24729405	24729498	Gmdrm	hypo	CG	-0.9037
Gm13	24734476	24734502	Gmdrm	hypo	CG	-0.6683
Gm13	24734974	24735219	Gmdrm	hypo	CG	-0.3527
Gm13	24739265	24739300	Gmdrm	hypo	CG	-0.535
Gm13	24741247	24741442	Gmdrm	hypo	CG	-0.3705
Gm13	24741919	24742112	Gmdrm	hypo	CG	-0.0283
Gm13	24751620	24751661	Gmdrm	hypo	CG	-0.77
Gm13	24764562	24764836	Gmdrm	hypo	CG	-0.0616
Gm13	24786329	24786506	Gmdrm	hypo	CG	-0.2963
Gm13	24798462	24798748	Gmdrm	hypo	CG	-0.0428
Gm13	24799267	24799454	Gmdrm	hypo	CG	-0.2887
Gm13	24811858	24812123	Gmdrm	hypo	CG	-0.1845
Gm13	24812626	24812740	Gmdrm	hypo	CG	-0.5625
Gm13	24814003	24814442	Gmdrm	hypo	CG	-0.155

Gm13	24814979	24815096	Gmdrm	hypo	CG	-0.2067
Gm13	24815248	24815448	Gmdrm	hypo	CG	-0.5109
Gm13	24857436	24857739	Gmdrm	hypo	CG	-0.412
Gm13	24873368	24873510	Gmdrm	hypo	CG	-0.2639
Gm13	24895543	24895628	Gmdrm	hypo	CG	-0.1287
Gm13	24896040	24896135	Gmdrm	hypo	CG	-0.6683
Gm13	24906382	24906418	Gmdrm	hypo	CG	-0.7367
Gm13	24909523	24909589	Gmdrm	hypo	CG	-0.7667
Gm13	24916479	24916626	Gmdrm	hypo	CG	-0.7758
Gm13	24916990	24917196	Gmdrm	hypo	CG	-0.5533
Gm13	24923541	24923676	Gmdrm	hypo	CG	-0.945
Gm13	24938031	24938102	Gmdrm	hypo	CG	-0.7933
Gm13	24953055	24953433	Gmdrm	hypo	CG	-0.6481
Gm13	24970226	24970431	Gmdrm	hypo	CG	-0.7475
Gm13	24976552	24976813	Gmdrm	hypo	CG	-0.9234
Gm13	24993623	24993740	Gmdrm	hypo	CG	-0.94
Gm13	24993875	24994025	Gmdrm	hypo	CG	-0.879
Gm13	25022840	25022896	Gmdrm	hypo	CG	-0.8333
Gm13	25023127	25023196	Gmdrm	hypo	CG	-0.7283
Gm13	25052719	25052790	Gmdrm	hypo	CG	-0.032
Gm13	25073544	25073627	Gmdrm	hypo	CG	-0.35
Gm13	25074634	25074810	Gmdrm	hypo	CG	-0.5418
Gm13	25082425	25082491	Gmdrm	hypo	CG	-0.9334
Gm13	25082981	25083131	Gmdrm	hypo	CG	-0.68
Gm13	25083688	25083795	Gmdrm	hypo	CG	-0.597
Gm13	25087386	25087460	Gmdrm	hypo	CG	-0.275
Gm13	25090801	25091104	Gmdrm	hypo	CG	-0.0694
Gm13	25096317	25096359	Gmdrm	hypo	CG	-0.0551
Gm13	25106715	25106832	Gmdrm	hypo	CG	-0.245
Gm13	25108698	25108868	Gmdrm	hypo	CG	-0.1975
Gm13	25109205	25109320	Gmdrm	hypo	CG	-0.59
Gm13	25118402	25118831	Gmdrm	hypo	CG	-0.5087
Gm13	25142039	25142346	Gmdrm	hypo	CG	-0.545
Gm13	25155281	25155384	Gmdrm	hypo	CG	-0.658
Gm13	25161041	25161283	Gmdrm	hypo	CG	-0.2905
Gm13	25201765	25201962	Gmdrm	hypo	CG	-0.1692
Gm13	25228791	25228886	Gmdrm	hypo	CG	-0.957
Gm13	25229443	25229456	Gmdrm	hypo	CG	-0.4633
Gm13	25244723	25244848	Gmdrm	hypo	CG	-0.85
Gm13	25251405	25251473	Gmdrm	hypo	CG	-0.972
Gm13	25262919	25263000	Gmdrm	hypo	CG	-0.6417
Gm13	25292062	25292260	Gmdrm	hypo	CG	-0.9525
Gm13	25293861	25294138	Gmdrm	hypo	CG	-0.5264
Gm13	25320600	25320886	Gmdrm	hypo	CG	-0.1139
Gm13	25342149	25342320	Gmdrm	hypo	CG	-0.7305
Gm13	25342931	25343032	Gmdrm	hypo	CG	-0.218

Gm13	25353218	25353522	Gmdrm	hypo	CG	-0.6821
Gm13	25369920	25370221	Gmdrm	hypo	CG	-0.6346
Gm13	25370425	25370468	Gmdrm	hypo	CG	-0.73
Gm13	25403641	25403790	Gmdrm	hypo	CG	-0.1067
Gm13	25405012	25405364	Gmdrm	hypo	CG	-0.9564
Gm13	25441129	25441159	Gmdrm	hypo	CG	-0.7433
Gm13	25444057	25444146	Gmdrm	hypo	CG	-0.2625
Gm13	25477796	25478000	Gmdrm	hypo	CG	-0.5608
Gm13	25478137	25478454	Gmdrm	hypo	CG	-0.766
Gm13	25479304	25479743	Gmdrm	hypo	CG	-0.8161
Gm13	25500574	25500661	Gmdrm	hypo	CG	-0.0786
Gm13	25512970	25513052	Gmdrm	hypo	CG	-0.528
Gm13	25513346	25513526	Gmdrm	hypo	CG	-0.7308
Gm13	25529470	25529601	Gmdrm	hypo	CG	-0.1333
Gm13	25532488	25532680	Gmdrm	hypo	CG	-0.2891
Gm13	25557328	25557411	Gmdrm	hypo	CG	-0.8967
Gm13	25558877	25559124	Gmdrm	hypo	CG	-0.7983
Gm13	25581446	25581637	Gmdrm	hypo	CG	-0.4072
Gm13	25597986	25598707	Gmdrm	hypo	CG	-0.0589
Gm13	25623169	25623438	Gmdrm	hypo	CG	-0.4484
Gm13	25624153	25624478	Gmdrm	hypo	CG	-0.7022
Gm13	25630511	25630678	Gmdrm	hypo	CG	-0.6717
Gm13	25631164	25631282	Gmdrm	hypo	CG	-0.4006
Gm13	25642619	25642993	Gmdrm	hypo	CG	-0.084
Gm13	25643095	25643141	Gmdrm	hypo	CG	-0.3933
Gm13	25662478	25662616	Gmdrm	hypo	CG	-0.9425
Gm13	25710270	25710333	Gmdrm	hypo	CG	-0.928
Gm13	25718084	25718182	Gmdrm	hypo	CG	-0.5901
Gm13	25720349	25720454	Gmdrm	hypo	CG	-0.8213
Gm13	25723658	25723911	Gmdrm	hypo	CG	-0.5538
Gm13	25729733	25729958	Gmdrm	hypo	CG	-0.9185
Gm13	25747179	25747392	Gmdrm	hypo	CG	-0.7849
Gm13	25848730	25848874	Gmdrm	hypo	CG	-0.7437
Gm13	25849452	25849590	Gmdrm	hypo	CG	-0.59
Gm13	25866345	25866397	Gmdrm	hypo	CG	-0.5
Gm13	25866606	25867129	Gmdrm	hypo	CG	-0.3604
Gm13	25872064	25872119	Gmdrm	hypo	CG	-0.8334
Gm13	25873502	25873693	Gmdrm	hypo	CG	-0.962
Gm13	25880867	25881429	Gmdrm	hypo	CG	-0.6387
Gm13	25892242	25892344	Gmdrm	hypo	CG	-0.8511
Gm13	25892555	25892582	Gmdrm	hypo	CG	-0.7484
Gm13	25900542	25900660	Gmdrm	hypo	CG	-0.5028
Gm13	25902257	25902303	Gmdrm	hypo	CG	-0.66
Gm13	25911196	25911479	Gmdrm	hypo	CG	-0.1725
Gm13	25919117	25919376	Gmdrm	hypo	CG	-0.4805
Gm13	25924228	25924314	Gmdrm	hypo	CG	-0.215

Gm13	25931749	25931948	Gmdrm	hypo	CG	-0.66
Gm13	25935122	25935266	Gmdrm	hypo	CG	-0.042
Gm13	25972550	25972724	Gmdrm	hypo	CG	-0.6788
Gm13	25972906	25973014	Gmdrm	hypo	CG	-0.81
Gm13	26005922	26005960	Gmdrm	hypo	CG	-0.3183
Gm13	26021472	26021892	Gmdrm	hypo	CG	-0.5372
Gm13	26074638	26074823	Gmdrm	hypo	CG	-0.7607
Gm13	26081197	26081353	Gmdrm	hypo	CG	-0.7525
Gm13	26081558	26081627	Gmdrm	hypo	CG	-0.0272
Gm13	26083441	26083634	Gmdrm	hypo	CG	-0.4711
Gm13	26121952	26122124	Gmdrm	hypo	CG	-0.8805
Gm13	26124845	26125054	Gmdrm	hypo	CG	-0.2913
Gm13	26143019	26143401	Gmdrm	hypo	CG	-0.3247
Gm13	26144056	26144210	Gmdrm	hypo	CG	-0.6989
Gm13	26161339	26161871	Gmdrm	hypo	CG	-0.411
Gm13	26200293	26200683	Gmdrm	hypo	CG	-0.9616
Gm13	26210073	26210273	Gmdrm	hypo	CG	-0.3716
Gm13	26233360	26233452	Gmdrm	hypo	CG	-0.1283
Gm13	26234310	26234415	Gmdrm	hypo	CG	-0.5391
Gm13	26235241	26235405	Gmdrm	hypo	CG	-0.228
Gm13	26256426	26256563	Gmdrm	hypo	CG	-0.483
Gm13	26268546	26268686	Gmdrm	hypo	CG	-0.5088
Gm13	26315932	26316110	Gmdrm	hypo	CG	-0.8025
Gm13	26327715	26328142	Gmdrm	hypo	CG	-0.4881
Gm13	26356157	26356403	Gmdrm	hypo	CG	-0.9023
Gm13	26356883	26356918	Gmdrm	hypo	CG	-0.97
Gm13	26391311	26391430	Gmdrm	hypo	CG	-0.1362
Gm13	26391622	26391978	Gmdrm	hypo	CG	-0.0408
Gm13	26401736	26401822	Gmdrm	hypo	CG	-0.076
Gm13	26402204	26402352	Gmdrm	hypo	CG	-0.63
Gm13	26431514	26431830	Gmdrm	hypo	CG	-0.52
Gm13	26441627	26442100	Gmdrm	hypo	CG	-0.1498
Gm13	26442840	26442967	Gmdrm	hypo	CG	-0.6737
Gm13	26443120	26443230	Gmdrm	hypo	CG	-0.5713
Gm13	26452402	26452576	Gmdrm	hypo	CG	-0.044
Gm13	26476640	26476712	Gmdrm	hypo	CG	-0.8425
Gm13	26482917	26483489	Gmdrm	hypo	CG	-0.2845
Gm13	26483937	26483960	Gmdrm	hypo	CG	-0.97
Gm13	26484065	26484152	Gmdrm	hypo	CG	-0.9613
Gm13	26484428	26484494	Gmdrm	hypo	CG	-0.8834
Gm13	26528301	26528442	Gmdrm	hypo	CG	-0.5978
Gm13	26556552	26556750	Gmdrm	hypo	CG	-0.4272
Gm13	26570280	26570384	Gmdrm	hypo	CG	-0.6617
Gm13	26592534	26592654	Gmdrm	hypo	CG	-0.0385
Gm13	26618660	26618749	Gmdrm	hypo	CG	-0.9288
Gm13	26618910	26618954	Gmdrm	hypo	CG	-0.6663

Gm13	26632356	26632555	Gmdrm	hypo	CG	-0.03
Gm13	26643646	26643765	Gmdrm	hypo	CG	-0.174
Gm13	26664981	26665082	Gmdrm	hypo	CG	-0.5785
Gm13	26685195	26685579	Gmdrm	hypo	CG	-0.6246
Gm13	26687166	26687483	Gmdrm	hypo	CG	-0.5993
Gm13	26687585	26687783	Gmdrm	hypo	CG	-0.51
Gm13	26700342	26700421	Gmdrm	hypo	CG	-0.57
Gm13	26702966	26703119	Gmdrm	hypo	CG	-0.7075
Gm13	26707493	26707512	Gmdrm	hypo	CG	-0.93
Gm13	26707701	26707908	Gmdrm	hypo	CG	-0.637
Gm13	26724445	26724509	Gmdrm	hypo	CG	-0.73
Gm13	26725044	26725216	Gmdrm	hypo	CG	-0.5017
Gm13	26732051	26732121	Gmdrm	hypo	CG	-0.6938
Gm13	26734634	26734765	Gmdrm	hypo	CG	-0.52
Gm13	26735006	26735233	Gmdrm	hypo	CG	-0.8343
Gm13	26751928	26752048	Gmdrm	hypo	CG	-0.8066
Gm13	26770014	26770207	Gmdrm	hypo	CG	-0.4795
Gm13	26804339	26804481	Gmdrm	hypo	CG	-0.3683
Gm13	26805996	26806104	Gmdrm	hypo	CG	-0.9267
Gm13	26825000	26825257	Gmdrm	hypo	CG	-0.9487
Gm13	26825629	26825743	Gmdrm	hypo	CG	-0.865
Gm13	26857949	26858064	Gmdrm	hypo	CG	-0.877
Gm13	26860526	26860682	Gmdrm	hypo	CG	-0.4583
Gm13	26878106	26878358	Gmdrm	hypo	CG	-0.3418
Gm13	26899614	26899737	Gmdrm	hypo	CG	-0.15
Gm13	26902429	26902665	Gmdrm	hypo	CG	-0.3783
Gm13	26906532	26907339	Gmdrm	hypo	CG	-0.0756
Gm13	26911462	26911539	Gmdrm	hypo	CG	-0.3175
Gm13	26913051	26913282	Gmdrm	hypo	CG	-0.8712
Gm13	26929466	26929637	Gmdrm	hypo	CG	-0.5854
Gm13	26930799	26930930	Gmdrm	hypo	CG	-0.3
Gm13	26931041	26931132	Gmdrm	hypo	CG	-0.748
Gm13	26939503	26939719	Gmdrm	hypo	CG	-0.4775
Gm13	26962558	26962795	Gmdrm	hypo	CG	-0.8318
Gm13	26963019	26963097	Gmdrm	hypo	CG	-0.94
Gm13	26967288	26967622	Gmdrm	hypo	CG	-0.4677
Gm13	27004047	27004184	Gmdrm	hypo	CG	-0.6725
Gm13	27008971	27009185	Gmdrm	hypo	CG	-0.585
Gm13	27054969	27055039	Gmdrm	hypo	CG	-0.3014
Gm13	27055177	27055301	Gmdrm	hypo	CG	-0.622
Gm13	27055403	27055477	Gmdrm	hypo	CG	-0.6012
Gm13	27062541	27062703	Gmdrm	hypo	CG	-0.03
Gm13	27067002	27067613	Gmdrm	hypo	CG	-0.0845
Gm13	27070224	27070297	Gmdrm	hypo	CG	-0.635
Gm13	27085120	27085284	Gmdrm	hypo	CG	-0.034
Gm13	27090888	27090968	Gmdrm	hypo	CG	-0.2613

Gm13	27126810	27126950	Gmdrm	hypo	CG	-0.1371
Gm13	27127564	27127698	Gmdrm	hypo	CG	-0.3712
Gm13	27134139	27134290	Gmdrm	hypo	CG	-0.795
Gm13	27135049	27135305	Gmdrm	hypo	CG	-0.2875
Gm13	27145924	27146206	Gmdrm	hypo	CG	-0.5222
Gm13	27181349	27182050	Gmdrm	hypo	CG	-0.0292
Gm13	27217811	27217884	Gmdrm	hypo	CG	-0.625
Gm13	27232595	27232769	Gmdrm	hypo	CG	-0.477
Gm13	27235228	27235337	Gmdrm	hypo	CG	-0.3375
Gm13	27260197	27260600	Gmdrm	hypo	CG	-0.2731
Gm13	27260856	27261088	Gmdrm	hypo	CG	-0.795
Gm13	27280386	27280537	Gmdrm	hypo	CG	-0.7224
Gm13	27290130	27290245	Gmdrm	hypo	CG	-0.7284
Gm13	27295359	27295659	Gmdrm	hypo	CG	-0.672
Gm13	27296278	27296774	Gmdrm	hypo	CG	-0.8226
Gm13	27337915	27338266	Gmdrm	hypo	CG	-0.857
Gm13	27341781	27342143	Gmdrm	hypo	CG	-0.8853
Gm13	27342912	27342975	Gmdrm	hypo	CG	-0.215
Gm13	27343099	27343220	Gmdrm	hypo	CG	-0.1287
Gm13	27343561	27343696	Gmdrm	hypo	CG	-0.3375
Gm13	27352346	27352692	Gmdrm	hypo	CG	-0.5725
Gm13	27353068	27353194	Gmdrm	hypo	CG	-0.2781
Gm13	27353337	27353467	Gmdrm	hypo	CG	-0.907
Gm13	27398714	27398891	Gmdrm	hypo	CG	-0.875
Gm13	27411117	27411218	Gmdrm	hypo	CG	-0.575
Gm13	27416804	27416841	Gmdrm	hypo	CG	-0.77
Gm13	27417222	27417386	Gmdrm	hypo	CG	-0.5043
Gm13	27442294	27442386	Gmdrm	hypo	CG	-0.9057
Gm13	27442521	27442607	Gmdrm	hypo	CG	-0.9071
Gm13	27442748	27442859	Gmdrm	hypo	CG	-0.8166
Gm13	27448688	27448878	Gmdrm	hypo	CG	-0.2854
Gm13	27459338	27459420	Gmdrm	hypo	CG	-0.238
Gm13	27471176	27471240	Gmdrm	hypo	CG	-0.495
Gm13	27473006	27473178	Gmdrm	hypo	CG	-0.3631
Gm13	27473623	27473796	Gmdrm	hypo	CG	-0.3121
Gm13	27493578	27493829	Gmdrm	hypo	CG	-0.4444
Gm13	27495109	27495175	Gmdrm	hypo	CG	-0.7133
Gm13	27504810	27505102	Gmdrm	hypo	CG	-0.0455
Gm13	27546080	27546352	Gmdrm	hypo	CG	-0.092
Gm13	27563574	27563610	Gmdrm	hypo	CG	-0.3926
Gm13	27568804	27568961	Gmdrm	hypo	CG	-0.0954
Gm13	27576934	27577399	Gmdrm	hypo	CG	-0.2135
Gm13	27577940	27578096	Gmdrm	hypo	CG	-0.2963
Gm13	27587325	27587699	Gmdrm	hypo	CG	-0.0622
Gm13	27593506	27593760	Gmdrm	hypo	CG	-0.185
Gm13	27628838	27628897	Gmdrm	hypo	CG	-0.5717

Gm13	27629735	27629901	Gmdrm	hypo	CG	-0.0633
Gm13	27663839	27663914	Gmdrm	hypo	CG	-0.785
Gm13	27677965	27678182	Gmdrm	hypo	CG	-0.3338
Gm13	27683887	27684271	Gmdrm	hypo	CG	-0.0555
Gm13	27689295	27689453	Gmdrm	hypo	CG	-0.8424
Gm13	27714122	27714266	Gmdrm	hypo	CG	-0.543
Gm13	27731797	27731887	Gmdrm	hypo	CG	-0.2366
Gm13	27735997	27736052	Gmdrm	hypo	CG	-0.895
Gm13	27740064	27740589	Gmdrm	hypo	CG	-0.4243
Gm13	27743781	27743819	Gmdrm	hypo	CG	-0.095
Gm13	27766929	27766945	Gmdrm	hypo	CG	-0.706
Gm13	27841412	27841520	Gmdrm	hypo	CG	-0.9291
Gm13	27856237	27856538	Gmdrm	hypo	CG	-0.2394
Gm13	27872064	27872170	Gmdrm	hypo	CG	-0.6637
Gm13	27872431	27872990	Gmdrm	hypo	CG	-0.6505
Gm13	27877133	27877298	Gmdrm	hypo	CG	-0.1687
Gm13	27878251	27878595	Gmdrm	hypo	CG	-0.223
Gm13	27904602	27904764	Gmdrm	hypo	CG	-0.549
Gm13	27905039	27905221	Gmdrm	hypo	CG	-0.0475
Gm13	27905416	27905542	Gmdrm	hypo	CG	-0.8084
Gm13	27938849	27939077	Gmdrm	hypo	CG	-0.5608
Gm13	27953913	27954094	Gmdrm	hypo	CG	-0.601
Gm13	27956293	27956424	Gmdrm	hypo	CG	-0.6839
Gm13	27970780	27971367	Gmdrm	hypo	CG	-0.033
Gm13	27972342	27972394	Gmdrm	hypo	CG	-0.6417
Gm13	27975705	27975932	Gmdrm	hypo	CG	-0.0471
Gm13	28031563	28031694	Gmdrm	hypo	CG	-0.3863
Gm13	28043388	28043503	Gmdrm	hypo	CG	-0.205
Gm13	28046318	28046549	Gmdrm	hypo	CG	-0.6779
Gm13	28048252	28048486	Gmdrm	hypo	CG	-0.0422
Gm13	28064522	28064792	Gmdrm	hypo	CG	-0.2214
Gm13	28090395	28090499	Gmdrm	hypo	CG	-0.934
Gm13	28092041	28092258	Gmdrm	hypo	CG	-0.7541
Gm13	28100948	28101044	Gmdrm	hypo	CG	-0.0567
Gm13	28102784	28102937	Gmdrm	hypo	CG	-0.685
Gm13	28103215	28103297	Gmdrm	hypo	CG	-0.3588
Gm13	28104343	28104575	Gmdrm	hypo	CG	-0.9192
Gm13	28108445	28108623	Gmdrm	hypo	CG	-0.083
Gm13	28128395	28128512	Gmdrm	hypo	CG	-0.639
Gm13	28128770	28128998	Gmdrm	hypo	CG	-0.2216
Gm13	28131754	28131812	Gmdrm	hypo	CG	-0.0338
Gm13	28146385	28146706	Gmdrm	hypo	CG	-0.1672
Gm13	28171649	28171736	Gmdrm	hypo	CG	-0.925
Gm13	28188025	28188276	Gmdrm	hypo	CG	-0.8633
Gm13	28190607	28190848	Gmdrm	hypo	CG	-0.87
Gm13	28197904	28198028	Gmdrm	hypo	CG	-0.3643

Gm13	28203359	28203511	Gmdrm	hypo	CG	-0.2582
Gm13	28219754	28219919	Gmdrm	hypo	CG	-0.5063
Gm13	28248653	28248864	Gmdrm	hypo	CG	-0.3935
Gm13	28272345	28272575	Gmdrm	hypo	CG	-0.725
Gm13	28341965	28342050	Gmdrm	hypo	CG	-0.938
Gm13	28350409	28350510	Gmdrm	hypo	CG	-0.5884
Gm13	28350656	28350795	Gmdrm	hypo	CG	-0.7487
Gm13	28353156	28353225	Gmdrm	hypo	CG	-0.7771
Gm13	28353579	28353703	Gmdrm	hypo	CG	-0.5278
Gm13	28353869	28353952	Gmdrm	hypo	CG	-0.955
Gm13	28364490	28364612	Gmdrm	hypo	CG	-0.274
Gm13	28386934	28387165	Gmdrm	hypo	CG	-0.8012
Gm13	28398254	28398332	Gmdrm	hypo	CG	-0.9516
Gm13	28431449	28431549	Gmdrm	hypo	CG	-0.2557
Gm13	28439637	28440125	Gmdrm	hypo	CG	-0.3126
Gm13	28471225	28471550	Gmdrm	hypo	CG	-0.838
Gm13	28483142	28483151	Gmdrm	hypo	CG	-0.7917
Gm13	28483264	28483384	Gmdrm	hypo	CG	-0.781
Gm13	28486175	28486679	Gmdrm	hypo	CG	-0.8581
Gm13	28512093	28512355	Gmdrm	hypo	CG	-0.3792
Gm13	28596869	28597188	Gmdrm	hypo	CG	-0.5504
Gm13	28614324	28614550	Gmdrm	hypo	CG	-0.4725
Gm13	28626354	28626622	Gmdrm	hypo	CG	-0.7854
Gm13	28673505	28673589	Gmdrm	hypo	CG	-0.484
Gm13	28675814	28675972	Gmdrm	hypo	CG	-0.8583
Gm13	28676509	28676576	Gmdrm	hypo	CG	-0.4662
Gm13	28680506	28680559	Gmdrm	hypo	CG	-0.628
Gm13	28692073	28692161	Gmdrm	hypo	CG	-0.7487
Gm13	28723914	28723989	Gmdrm	hypo	CG	-0.81
Gm13	28753538	28753782	Gmdrm	hypo	CG	-0.13
Gm13	28754345	28754419	Gmdrm	hypo	CG	-0.5174
Gm13	28754544	28754768	Gmdrm	hypo	CG	-0.1787
Gm13	28755051	28755213	Gmdrm	hypo	CG	-0.55
Gm13	28781499	28782028	Gmdrm	hypo	CG	-0.3557
Gm13	28783800	28783882	Gmdrm	hypo	CG	-0.3744
Gm13	28789736	28790190	Gmdrm	hypo	CG	-0.2474
Gm13	28796014	28796345	Gmdrm	hypo	CG	-0.0929
Gm13	28796467	28796832	Gmdrm	hypo	CG	-0.6943
Gm13	28796936	28797024	Gmdrm	hypo	CG	-0.6325
Gm13	28798602	28798632	Gmdrm	hypo	CG	-0.775
Gm13	28806046	28806294	Gmdrm	hypo	CG	-0.7285
Gm13	28808507	28808593	Gmdrm	hypo	CG	-0.9472
Gm13	28827222	28827486	Gmdrm	hypo	CG	-0.3831
Gm13	28844494	28845073	Gmdrm	hypo	CG	-0.2679
Gm13	28902901	28902961	Gmdrm	hypo	CG	-0.5117
Gm13	28934763	28934885	Gmdrm	hypo	CG	-0.6767

Gm13	28939905	28940178	Gmdrm	hypo	CG	-0.0614
Gm13	28942763	28942877	Gmdrm	hypo	CG	-0.3714
Gm13	28956798	28957027	Gmdrm	hypo	CG	-0.28
Gm13	28974207	28974384	Gmdrm	hypo	CG	-0.9567
Gm13	29009579	29009848	Gmdrm	hypo	CG	-0.5863
Gm13	29014532	29014743	Gmdrm	hypo	CG	-0.5238
Gm13	29015494	29015650	Gmdrm	hypo	CG	-0.8928
Gm13	29027452	29027625	Gmdrm	hypo	CG	-0.9638
Gm13	29032509	29032737	Gmdrm	hypo	CG	-0.1184
Gm13	29033509	29033714	Gmdrm	hypo	CG	-0.3809
Gm13	29038706	29038956	Gmdrm	hypo	CG	-0.3212
Gm13	29064675	29064976	Gmdrm	hypo	CG	-0.0464
Gm13	29071041	29071244	Gmdrm	hypo	CG	-0.3046
Gm13	29089762	29089894	Gmdrm	hypo	CG	-0.787
Gm13	29092628	29092752	Gmdrm	hypo	CG	-0.6525
Gm13	29108753	29109721	Gmdrm	hypo	CG	-0.233
Gm13	29119672	29119935	Gmdrm	hypo	CG	-0.7475
Gm13	29120066	29120281	Gmdrm	hypo	CG	-0.6592
Gm13	29120653	29120914	Gmdrm	hypo	CG	-0.3507
Gm13	29149306	29149404	Gmdrm	hypo	CG	-0.83
Gm13	29156420	29156722	Gmdrm	hypo	CG	-0.44
Gm13	29176029	29176176	Gmdrm	hypo	CG	-0.4545
Gm13	29176426	29176477	Gmdrm	hypo	CG	-0.6863
Gm13	29176923	29177026	Gmdrm	hypo	CG	-0.93
Gm13	29182693	29183061	Gmdrm	hypo	CG	-0.0952
Gm13	29186240	29186562	Gmdrm	hypo	CG	-0.1291
Gm13	29212482	29212642	Gmdrm	hypo	CG	-0.4084
Gm13	29213459	29213491	Gmdrm	hypo	CG	-0.925
Gm13	29229862	29230037	Gmdrm	hypo	CG	-0.6563
Gm13	29235699	29235925	Gmdrm	hypo	CG	-0.428
Gm13	29240320	29240440	Gmdrm	hypo	CG	-0.9325
Gm13	29292539	29292673	Gmdrm	hypo	CG	-0.7425
Gm13	29292930	29293145	Gmdrm	hypo	CG	-0.751
Gm13	29293589	29294150	Gmdrm	hypo	CG	-0.8116
Gm13	29296178	29296228	Gmdrm	hypo	CG	-0.9266
Gm13	29296486	29296550	Gmdrm	hypo	CG	-0.4537
Gm13	29296771	29297065	Gmdrm	hypo	CG	-0.1
Gm13	29325515	29325555	Gmdrm	hypo	CG	-0.89
Gm13	29331447	29331704	Gmdrm	hypo	CG	-0.7573
Gm13	29339479	29339550	Gmdrm	hypo	CG	-0.43
Gm13	29383008	29383464	Gmdrm	hypo	CG	-0.075
Gm13	29414981	29415213	Gmdrm	hypo	CG	-0.76
Gm13	29424690	29424855	Gmdrm	hypo	CG	-0.61
Gm13	29425200	29425305	Gmdrm	hypo	CG	-0.8067
Gm13	29509350	29509455	Gmdrm	hypo	CG	-0.9333
Gm13	29509662	29509809	Gmdrm	hypo	CG	-0.7767

Gm13	29512526	29512699	Gmdrm	hypo	CG	-0.41
Gm13	29515048	29515362	Gmdrm	hypo	CG	-0.0282
Gm13	29517032	29517215	Gmdrm	hypo	CG	-0.0609
Gm13	29542490	29542618	Gmdrm	hypo	CG	-0.025
Gm13	29544011	29544200	Gmdrm	hypo	CG	-0.3687
Gm13	29613647	29613870	Gmdrm	hypo	CG	-0.04
Gm13	29653083	29653263	Gmdrm	hypo	CG	-0.4027
Gm13	29686005	29686520	Gmdrm	hypo	CG	-0.0588
Gm13	29716162	29716197	Gmdrm	hypo	CG	-0.205
Gm13	29723699	29723753	Gmdrm	hypo	CG	-0.4683
Gm13	29724491	29724584	Gmdrm	hypo	CG	-0.79
Gm13	29738970	29739170	Gmdrm	hypo	CG	-0.2765
Gm13	29745200	29745340	Gmdrm	hypo	CG	-0.2426
Gm13	29745605	29745882	Gmdrm	hypo	CG	-0.7789
Gm13	29764359	29764418	Gmdrm	hypo	CG	-0.9333
Gm13	29796714	29796828	Gmdrm	hypo	CG	-0.325
Gm13	29824546	29824702	Gmdrm	hypo	CG	-0.7133
Gm13	29845741	29846006	Gmdrm	hypo	CG	-0.1104
Gm13	29846311	29846637	Gmdrm	hypo	CG	-0.1073
Gm13	29862288	29862436	Gmdrm	hypo	CG	-0.3812
Gm13	29872068	29872119	Gmdrm	hypo	CG	-0.7963
Gm13	29872349	29872532	Gmdrm	hypo	CG	-0.951
Gm13	29914030	29914369	Gmdrm	hypo	CG	-0.4146
Gm13	29915309	29915601	Gmdrm	hypo	CG	-0.56
Gm13	29920785	29920869	Gmdrm	hypo	CG	-0.9083
Gm13	29929899	29930025	Gmdrm	hypo	CG	-0.3029
Gm13	29930398	29930515	Gmdrm	hypo	CG	-0.665
Gm13	29942972	29943149	Gmdrm	hypo	CG	-0.518
Gm13	29950970	29950985	Gmdrm	hypo	CG	-0.9733
Gm13	29963705	29963813	Gmdrm	hypo	CG	-0.044
Gm13	29966717	29966783	Gmdrm	hypo	CG	-0.8284
Gm13	29968739	29968867	Gmdrm	hypo	CG	-0.1633
Gm13	29976153	29976333	Gmdrm	hypo	CG	-0.27
Gm13	29977068	29977314	Gmdrm	hypo	CG	-0.431
Gm13	29977665	29977786	Gmdrm	hypo	CG	-0.7238
Gm13	29990750	29990810	Gmdrm	hypo	CG	-0.7134
Gm13	29995590	29995763	Gmdrm	hypo	CG	-0.6775
Gm13	29996010	29996280	Gmdrm	hypo	CG	-0.1368
Gm13	30031214	30031257	Gmdrm	hypo	CG	-0.8243
Gm13	30033325	30033436	Gmdrm	hypo	CG	-0.552
Gm13	30062389	30062530	Gmdrm	hypo	CG	-0.3333
Gm13	30115827	30115899	Gmdrm	hypo	CG	-0.7784
Gm13	30116079	30116263	Gmdrm	hypo	CG	-0.7743
Gm13	30117652	30118024	Gmdrm	hypo	CG	-0.4531
Gm13	30127444	30127509	Gmdrm	hypo	CG	-0.4937
Gm13	30145933	30146258	Gmdrm	hypo	CG	-0.3266

Gm13	30146578	30146792	Gmdrm	hypo	CG	-0.3457
Gm13	30148271	30148363	Gmdrm	hypo	CG	-0.236
Gm13	30148496	30148695	Gmdrm	hypo	CG	-0.3457
Gm13	30148844	30148996	Gmdrm	hypo	CG	-0.1217
Gm13	30168829	30169282	Gmdrm	hypo	CG	-0.0833
Gm13	30174420	30174769	Gmdrm	hypo	CG	-0.4
Gm13	30175210	30175400	Gmdrm	hypo	CG	-0.778
Gm13	30175760	30176041	Gmdrm	hypo	CG	-0.4355
Gm13	30187491	30187613	Gmdrm	hypo	CG	-0.9133
Gm13	30188755	30188912	Gmdrm	hypo	CG	-0.975
Gm13	30190419	30190430	Gmdrm	hypo	CG	-0.042
Gm13	30191389	30191495	Gmdrm	hypo	CG	-0.8637
Gm13	30195838	30196015	Gmdrm	hypo	CG	-0.93
Gm13	30196140	30196461	Gmdrm	hypo	CG	-0.55
Gm13	30225620	30225875	Gmdrm	hypo	CG	-0.5521
Gm13	30281746	30281870	Gmdrm	hypo	CG	-0.0425
Gm13	30300555	30300960	Gmdrm	hypo	CG	-0.7345
Gm13	30308840	30308855	Gmdrm	hypo	CG	-0.135
Gm13	30315929	30316040	Gmdrm	hypo	CG	-0.91
Gm13	30316179	30316277	Gmdrm	hypo	CG	-0.705
Gm13	30365759	30365866	Gmdrm	hypo	CG	-0.944
Gm13	30365970	30366144	Gmdrm	hypo	CG	-0.86
Gm13	30367274	30367335	Gmdrm	hypo	CG	-0.3383
Gm13	30368407	30368737	Gmdrm	hypo	CG	-0.8394
Gm13	30390057	30390130	Gmdrm	hypo	CG	-0.151
Gm13	30436697	30436912	Gmdrm	hypo	CG	-0.4592
Gm13	30440816	30440928	Gmdrm	hypo	CG	-0.796
Gm13	30441115	30441221	Gmdrm	hypo	CG	-0.82
Gm13	30441738	30441840	Gmdrm	hypo	CG	-0.855
Gm13	30447872	30447982	Gmdrm	hypo	CG	-0.754
Gm13	30490422	30490707	Gmdrm	hypo	CG	-0.4536
Gm13	30501190	30501239	Gmdrm	hypo	CG	-0.744
Gm13	30537005	30537131	Gmdrm	hypo	CG	-0.546
Gm13	30555292	30555484	Gmdrm	hypo	CG	-0.8078
Gm13	30555632	30555942	Gmdrm	hypo	CG	-0.8
Gm13	30583761	30583885	Gmdrm	hypo	CG	-0.0717
Gm13	30598106	30598202	Gmdrm	hypo	CG	-0.1974
Gm13	30613369	30613477	Gmdrm	hypo	CG	-0.8617
Gm13	30615967	30616060	Gmdrm	hypo	CG	-0.71
Gm13	30616638	30616657	Gmdrm	hypo	CG	-0.402
Gm13	30624955	30625155	Gmdrm	hypo	CG	-0.9678
Gm13	30648081	30648202	Gmdrm	hypo	CG	-0.859
Gm13	30674676	30675033	Gmdrm	hypo	CG	-0.415
Gm13	30696138	30696312	Gmdrm	hypo	CG	-0.1625
Gm13	30696546	30696607	Gmdrm	hypo	CG	-0.1838
Gm13	30717664	30718027	Gmdrm	hypo	CG	-0.355

Gm13	30720650	30720723	Gmdrm	hypo	CG	-0.036
Gm13	30723865	30723946	Gmdrm	hypo	CG	-0.4275
Gm13	30724189	30724301	Gmdrm	hypo	CG	-0.925
Gm13	30730500	30730657	Gmdrm	hypo	CG	-0.605
Gm13	30731693	30731918	Gmdrm	hypo	CG	-0.3778
Gm13	30732049	30732167	Gmdrm	hypo	CG	-0.1913
Gm13	30768771	30768834	Gmdrm	hypo	CG	-0.7725
Gm13	30780711	30780979	Gmdrm	hypo	CG	-0.2131
Gm13	30794286	30794334	Gmdrm	hypo	CG	-0.058
Gm13	30806535	30807252	Gmdrm	hypo	CG	-0.2108
Gm13	30807355	30807512	Gmdrm	hypo	CG	-0.0681
Gm13	30817065	30817092	Gmdrm	hypo	CG	-0.635
Gm13	30818625	30818776	Gmdrm	hypo	CG	-0.745
Gm13	30820748	30820909	Gmdrm	hypo	CG	-0.1735
Gm13	30821040	30821128	Gmdrm	hypo	CG	-0.2437
Gm13	30821242	30821310	Gmdrm	hypo	CG	-0.1217
Gm13	30825041	30825194	Gmdrm	hypo	CG	-0.5313
Gm13	30831723	30831805	Gmdrm	hypo	CG	-0.4916
Gm13	30832072	30832190	Gmdrm	hypo	CG	-0.5133
Gm13	30881541	30881934	Gmdrm	hypo	CG	-0.3795
Gm13	30882104	30882148	Gmdrm	hypo	CG	-0.46
Gm13	30882399	30882693	Gmdrm	hypo	CG	-0.94
Gm13	30902815	30902891	Gmdrm	hypo	CG	-0.1475
Gm13	30903119	30903332	Gmdrm	hypo	CG	-0.7828
Gm13	30913459	30913831	Gmdrm	hypo	CG	-0.4795
Gm13	30914662	30915092	Gmdrm	hypo	CG	-0.194
Gm13	30925881	30925977	Gmdrm	hypo	CG	-0.7593
Gm13	30969537	30969687	Gmdrm	hypo	CG	-0.8733
Gm13	30990124	30990258	Gmdrm	hypo	CG	-0.9483
Gm13	30990969	30991100	Gmdrm	hypo	CG	-0.0586
Gm13	31021117	31021162	Gmdrm	hypo	CG	-0.142
Gm13	31021328	31021379	Gmdrm	hypo	CG	-0.182
Gm13	31021644	31021764	Gmdrm	hypo	CG	-0.5775
Gm13	31038348	31038477	Gmdrm	hypo	CG	-0.5966
Gm13	31043830	31043969	Gmdrm	hypo	CG	-0.41
Gm13	31046607	31046786	Gmdrm	hypo	CG	-0.0437
Gm13	31059763	31060054	Gmdrm	hypo	CG	-0.9012
Gm13	31060299	31060370	Gmdrm	hypo	CG	-0.7217
Gm13	31060847	31060951	Gmdrm	hypo	CG	-0.935
Gm13	31061169	31061314	Gmdrm	hypo	CG	-0.845
Gm13	31061710	31061857	Gmdrm	hypo	CG	-0.865
Gm13	31105642	31105745	Gmdrm	hypo	CG	-0.76
Gm13	31116821	31116930	Gmdrm	hypo	CG	-0.28
Gm13	31194160	31194382	Gmdrm	hypo	CG	-0.06
Gm13	31216479	31216592	Gmdrm	hypo	CG	-0.6657
Gm13	31221604	31221743	Gmdrm	hypo	CG	-0.03

Gm13	31222652	31223099	Gmdrm	hypo	CG	-0.8297
Gm13	31223699	31223842	Gmdrm	hypo	CG	-0.7223
Gm13	31236214	31236274	Gmdrm	hypo	CG	-0.9417
Gm13	31236994	31237217	Gmdrm	hypo	CG	-0.675
Gm13	31264862	31265725	Gmdrm	hypo	CG	-0.2118
Gm13	31332467	31332648	Gmdrm	hypo	CG	-0.5407
Gm13	31345284	31345383	Gmdrm	hypo	CG	-0.6983
Gm13	31354605	31354642	Gmdrm	hypo	CG	-0.18
Gm13	31374658	31375048	Gmdrm	hypo	CG	-0.2958
Gm13	31375157	31375257	Gmdrm	hypo	CG	-0.13
Gm13	31379583	31379625	Gmdrm	hypo	CG	-0.5883
Gm13	31403861	31403937	Gmdrm	hypo	CG	-0.718
Gm13	31414168	31414277	Gmdrm	hypo	CG	-0.112
Gm13	31449860	31450173	Gmdrm	hypo	CG	-0.5943
Gm13	31471845	31471913	Gmdrm	hypo	CG	-0.8833
Gm13	31477337	31477700	Gmdrm	hypo	CG	-0.7088
Gm13	31532597	31532750	Gmdrm	hypo	CG	-0.52
Gm13	31533084	31533357	Gmdrm	hypo	CG	-0.765
Gm13	31544513	31544644	Gmdrm	hypo	CG	-0.0308
Gm13	31544975	31545192	Gmdrm	hypo	CG	-0.4025
Gm13	31585526	31585645	Gmdrm	hypo	CG	-0.4267
Gm13	31585748	31585768	Gmdrm	hypo	CG	-0.7017
Gm13	31590919	31591063	Gmdrm	hypo	CG	-0.6062
Gm13	31598141	31598635	Gmdrm	hypo	CG	-0.2265
Gm13	31599248	31599274	Gmdrm	hypo	CG	-0.2933
Gm13	31605396	31605618	Gmdrm	hypo	CG	-0.4085
Gm13	31629163	31629308	Gmdrm	hypo	CG	-0.5062
Gm13	31629553	31629687	Gmdrm	hypo	CG	-0.77
Gm13	31632557	31632708	Gmdrm	hypo	CG	-0.5567
Gm13	31636073	31636109	Gmdrm	hypo	CG	-0.1357
Gm13	31640384	31640485	Gmdrm	hypo	CG	-0.608
Gm13	31649778	31649922	Gmdrm	hypo	CG	-0.4155
Gm13	31672136	31672196	Gmdrm	hypo	CG	-0.845
Gm13	31682510	31682776	Gmdrm	hypo	CG	-0.0466
Gm13	31683948	31684029	Gmdrm	hypo	CG	-0.3913
Gm13	31692668	31692740	Gmdrm	hypo	CG	-0.3087
Gm13	31692988	31693264	Gmdrm	hypo	CG	-0.3
Gm13	31701779	31701899	Gmdrm	hypo	CG	-0.048
Gm13	31715160	31715280	Gmdrm	hypo	CG	-0.8722
Gm13	31756157	31756568	Gmdrm	hypo	CG	-0.871
Gm13	31757038	31757306	Gmdrm	hypo	CG	-0.821
Gm13	31797343	31797543	Gmdrm	hypo	CG	-0.8767
Gm13	31801646	31801746	Gmdrm	hypo	CG	-0.9046
Gm13	31802564	31802760	Gmdrm	hypo	CG	-0.764
Gm13	31809527	31809655	Gmdrm	hypo	CG	-0.7217
Gm13	31810015	31810146	Gmdrm	hypo	CG	-0.8113

Gm13	31829191	31829293	Gmdrm	hypo	CG	-0.6916
Gm13	31855442	31855468	Gmdrm	hypo	CG	-0.7
Gm13	31858804	31859310	Gmdrm	hypo	CG	-0.5791
Gm13	31859439	31859536	Gmdrm	hypo	CG	-0.8263
Gm13	31877529	31877555	Gmdrm	hypo	CG	-0.8883
Gm13	31880753	31880940	Gmdrm	hypo	CG	-0.8343
Gm13	31890295	31890398	Gmdrm	hypo	CG	-0.04
Gm13	31897564	31897624	Gmdrm	hypo	CG	-0.055
Gm13	31903364	31903600	Gmdrm	hypo	CG	-0.8672
Gm13	31903929	31904060	Gmdrm	hypo	CG	-0.861
Gm13	31913604	31913730	Gmdrm	hypo	CG	-0.6256
Gm13	31924415	31924527	Gmdrm	hypo	CG	-0.704
Gm13	31945180	31945298	Gmdrm	hypo	CG	-0.9815
Gm13	31946103	31946398	Gmdrm	hypo	CG	-0.907
Gm13	31965038	31965154	Gmdrm	hypo	CG	-0.5367
Gm13	31989645	31989817	Gmdrm	hypo	CG	-0.8157
Gm13	32007602	32007899	Gmdrm	hypo	CG	-0.5787
Gm13	32010447	32010740	Gmdrm	hypo	CG	-0.7015
Gm13	32066066	32066087	Gmdrm	hypo	CG	-0.76
Gm13	32068434	32068506	Gmdrm	hypo	CG	-0.5867
Gm13	32069074	32069341	Gmdrm	hypo	CG	-0.0522
Gm13	32109403	32109475	Gmdrm	hypo	CG	-0.028
Gm13	32126040	32126269	Gmdrm	hypo	CG	-0.4405
Gm13	32131852	32132016	Gmdrm	hypo	CG	-0.2496
Gm13	32132141	32132154	Gmdrm	hypo	CG	-0.0566
Gm13	32133091	32133231	Gmdrm	hypo	CG	-0.673
Gm13	32153073	32153264	Gmdrm	hypo	CG	-0.2538
Gm13	32225320	32225453	Gmdrm	hypo	CG	-0.9013
Gm13	32239454	32239696	Gmdrm	hypo	CG	-0.565
Gm13	32239797	32239979	Gmdrm	hypo	CG	-0.6099
Gm13	32240566	32240711	Gmdrm	hypo	CG	-0.92
Gm13	32242041	32242098	Gmdrm	hypo	CG	-0.6483
Gm13	32242295	32242433	Gmdrm	hypo	CG	-0.9187
Gm13	32244449	32244532	Gmdrm	hypo	CG	-0.8117
Gm13	32247087	32247127	Gmdrm	hypo	CG	-0.4166
Gm13	32261509	32262019	Gmdrm	hypo	CG	-0.7523
Gm13	32270966	32271105	Gmdrm	hypo	CG	-0.5684
Gm13	32312665	32312776	Gmdrm	hypo	CG	-0.824
Gm13	32393728	32393790	Gmdrm	hypo	CG	-0.4016
Gm13	32409811	32410090	Gmdrm	hypo	CG	-0.1928
Gm13	32410306	32410480	Gmdrm	hypo	CG	-0.5609
Gm13	32417244	32417357	Gmdrm	hypo	CG	-0.8484
Gm13	32422762	32422857	Gmdrm	hypo	CG	-0.6488
Gm13	32425604	32425729	Gmdrm	hypo	CG	-0.736
Gm13	32432082	32432122	Gmdrm	hypo	CG	-0.819
Gm13	32432710	32432904	Gmdrm	hypo	CG	-0.64

Gm13	32438755	32438946	Gmdrm	hypo	CG	-0.0325
Gm13	32449212	32449327	Gmdrm	hypo	CG	-0.9117
Gm13	32449599	32449813	Gmdrm	hypo	CG	-0.8725
Gm13	32458020	32458092	Gmdrm	hypo	CG	-0.144
Gm13	32477677	32477752	Gmdrm	hypo	CG	-0.4717
Gm13	32586261	32586405	Gmdrm	hypo	CG	-0.082
Gm13	32617381	32617583	Gmdrm	hypo	CG	-0.4239
Gm13	32621259	32621531	Gmdrm	hypo	CG	-0.24
Gm13	32624465	32624533	Gmdrm	hypo	CG	-0.365
Gm13	32624701	32624791	Gmdrm	hypo	CG	-0.2833
Gm13	32638188	32638504	Gmdrm	hypo	CG	-0.925
Gm13	32645195	32645459	Gmdrm	hypo	CG	-0.4123
Gm13	32660047	32660146	Gmdrm	hypo	CG	-0.893
Gm13	32714073	32714295	Gmdrm	hypo	CG	-0.9617
Gm13	32714730	32714961	Gmdrm	hypo	CG	-0.2845
Gm13	32718111	32718549	Gmdrm	hypo	CG	-0.3196
Gm13	32719592	32719844	Gmdrm	hypo	CG	-0.8168
Gm13	32768075	32768188	Gmdrm	hypo	CG	-0.92
Gm13	32776857	32776898	Gmdrm	hypo	CG	-0.806
Gm13	32794933	32795230	Gmdrm	hypo	CG	-0.0541
Gm13	32799925	32800362	Gmdrm	hypo	CG	-0.7537
Gm13	32812951	32813217	Gmdrm	hypo	CG	-0.529
Gm13	32827261	32827334	Gmdrm	hypo	CG	-0.57
Gm13	32872363	32872576	Gmdrm	hypo	CG	-0.773
Gm13	32872817	32873135	Gmdrm	hypo	CG	-0.464
Gm13	32913906	32913951	Gmdrm	hypo	CG	-0.07
Gm13	32921459	32921920	Gmdrm	hypo	CG	-0.3159
Gm13	32928356	32928840	Gmdrm	hypo	CG	-0.7865
Gm13	32951952	32952073	Gmdrm	hypo	CG	-0.6416
Gm13	32957452	32957527	Gmdrm	hypo	CG	-0.9188
Gm13	32957903	32957981	Gmdrm	hypo	CG	-0.606
Gm13	32958288	32958424	Gmdrm	hypo	CG	-0.64
Gm13	32968433	32968446	Gmdrm	hypo	CG	-0.285
Gm13	32983181	32983284	Gmdrm	hypo	CG	-0.7876
Gm13	32993258	32993399	Gmdrm	hypo	CG	-0.8686
Gm13	32999681	32999905	Gmdrm	hypo	CG	-0.0264
Gm13	33006090	33006191	Gmdrm	hypo	CG	-0.0371
Gm13	33010701	33010838	Gmdrm	hypo	CG	-0.6567
Gm13	33035934	33036128	Gmdrm	hypo	CG	-0.034
Gm13	33040039	33040101	Gmdrm	hypo	CG	-0.192
Gm13	33040274	33040395	Gmdrm	hypo	CG	-0.4825
Gm13	33050496	33050550	Gmdrm	hypo	CG	-0.315
Gm13	33051305	33051609	Gmdrm	hypo	CG	-0.3088
Gm13	33056481	33056766	Gmdrm	hypo	CG	-0.0611
Gm13	33088604	33088843	Gmdrm	hypo	CG	-0.5989
Gm13	33112953	33112974	Gmdrm	hypo	CG	-0.1083

Gm13	33113399	33114129	Gmdrm	hypo	CG	-0.26
Gm13	33145131	33145232	Gmdrm	hypo	CG	-0.255
Gm13	33147938	33148079	Gmdrm	hypo	CG	-0.871
Gm13	33157452	33157492	Gmdrm	hypo	CG	-0.6567
Gm13	33166759	33166990	Gmdrm	hypo	CG	-0.2924
Gm13	33167215	33167321	Gmdrm	hypo	CG	-0.76
Gm13	33183607	33183787	Gmdrm	hypo	CG	-0.5642
Gm13	33185883	33186214	Gmdrm	hypo	CG	-0.4558
Gm13	33187534	33187674	Gmdrm	hypo	CG	-0.255
Gm13	33192302	33192389	Gmdrm	hypo	CG	-0.52
Gm13	33202308	33202549	Gmdrm	hypo	CG	-0.7825
Gm13	33248019	33248099	Gmdrm	hypo	CG	-0.925
Gm13	33271959	33272063	Gmdrm	hypo	CG	-0.37
Gm13	33281179	33281652	Gmdrm	hypo	CG	-0.0996
Gm13	33313258	33313445	Gmdrm	hypo	CG	-0.9266
Gm13	33321867	33321948	Gmdrm	hypo	CG	-0.83
Gm13	33334288	33334395	Gmdrm	hypo	CG	-0.6413
Gm13	33370517	33370586	Gmdrm	hypo	CG	-0.42
Gm13	33382089	33382366	Gmdrm	hypo	CG	-0.8417
Gm13	33384626	33384661	Gmdrm	hypo	CG	-0.495
Gm13	33385837	33386003	Gmdrm	hypo	CG	-0.95
Gm13	33406149	33406170	Gmdrm	hypo	CG	-0.4
Gm13	33433188	33433295	Gmdrm	hypo	CG	-0.6133
Gm13	33467563	33467803	Gmdrm	hypo	CG	-0.9327
Gm13	33497627	33497781	Gmdrm	hypo	CG	-0.06
Gm13	33554639	33554836	Gmdrm	hypo	CG	-0.851
Gm13	33572004	33572477	Gmdrm	hypo	CG	-0.0759
Gm13	33582664	33583194	Gmdrm	hypo	CG	-0.6453
Gm13	33591685	33591982	Gmdrm	hypo	CG	-0.2442
Gm13	33602468	33602484	Gmdrm	hypo	CG	-0.5912
Gm13	33611361	33611451	Gmdrm	hypo	CG	-0.6338
Gm13	33614676	33614748	Gmdrm	hypo	CG	-0.292
Gm13	33614892	33615144	Gmdrm	hypo	CG	-0.53
Gm13	33645695	33645889	Gmdrm	hypo	CG	-0.05
Gm13	33668737	33668844	Gmdrm	hypo	CG	-0.112
Gm13	33676037	33676773	Gmdrm	hypo	CG	-0.3984
Gm13	33682637	33682706	Gmdrm	hypo	CG	-0.7633
Gm13	33693820	33693953	Gmdrm	hypo	CG	-0.5663
Gm13	33709486	33709742	Gmdrm	hypo	CG	-0.6505
Gm13	33710040	33710114	Gmdrm	hypo	CG	-0.2683
Gm13	33732539	33732582	Gmdrm	hypo	CG	-0.9887
Gm13	33737066	33737343	Gmdrm	hypo	CG	-0.714
Gm13	33737457	33737523	Gmdrm	hypo	CG	-0.95
Gm13	33742986	33743186	Gmdrm	hypo	CG	-0.06
Gm13	33743538	33743602	Gmdrm	hypo	CG	-0.5375
Gm13	33744006	33744082	Gmdrm	hypo	CG	-0.6275

Gm13	33778813	33778944	Gmdrm	hypo	CG	-0.9442
Gm13	33785647	33785869	Gmdrm	hypo	CG	-0.776
Gm13	33825782	33825819	Gmdrm	hypo	CG	-0.256
Gm13	33847891	33847941	Gmdrm	hypo	CG	-0.869
Gm13	33868404	33868500	Gmdrm	hypo	CG	-0.4538
Gm13	33869343	33869365	Gmdrm	hypo	CG	-0.255
Gm13	33871703	33872181	Gmdrm	hypo	CG	-0.0683
Gm13	33872336	33872416	Gmdrm	hypo	CG	-0.2708
Gm13	33891672	33891742	Gmdrm	hypo	CG	-0.535
Gm13	33891899	33892732	Gmdrm	hypo	CG	-0.1207
Gm13	33893285	33893840	Gmdrm	hypo	CG	-0.7476
Gm13	33914858	33914900	Gmdrm	hypo	CG	-0.8634
Gm13	33916651	33916700	Gmdrm	hypo	CG	-0.038
Gm13	33918765	33918927	Gmdrm	hypo	CG	-0.75
Gm13	33937597	33937729	Gmdrm	hypo	CG	-0.4856
Gm13	33947405	33947820	Gmdrm	hypo	CG	-0.03
Gm13	33954663	33954966	Gmdrm	hypo	CG	-0.1138
Gm13	33963694	33963823	Gmdrm	hypo	CG	-0.7263
Gm13	33968793	33968915	Gmdrm	hypo	CG	-0.191
Gm13	33969046	33969411	Gmdrm	hypo	CG	-0.5341
Gm13	33993642	33993725	Gmdrm	hypo	CG	-0.843
Gm13	34016007	34016228	Gmdrm	hypo	CG	-0.8238
Gm13	34066986	34067398	Gmdrm	hypo	CG	-0.8776
Gm13	34070698	34070902	Gmdrm	hypo	CG	-0.7507
Gm13	34117562	34117767	Gmdrm	hypo	CG	-0.837
Gm13	34119179	34119302	Gmdrm	hypo	CG	-0.2659
Gm13	34119777	34119821	Gmdrm	hypo	CG	-0.405
Gm13	34153775	34153858	Gmdrm	hypo	CG	-0.61
Gm13	34162135	34162364	Gmdrm	hypo	CG	-0.4792
Gm13	34279502	34279767	Gmdrm	hypo	CG	-0.2035
Gm13	34295895	34296010	Gmdrm	hypo	CG	-0.8472
Gm13	34316271	34316364	Gmdrm	hypo	CG	-0.975
Gm13	34321937	34322098	Gmdrm	hypo	CG	-0.9567
Gm13	34322494	34322612	Gmdrm	hypo	CG	-0.834
Gm13	34327992	34328007	Gmdrm	hypo	CG	-0.594
Gm13	34329521	34329612	Gmdrm	hypo	CG	-0.9183
Gm13	34344765	34345018	Gmdrm	hypo	CG	-0.5688
Gm13	34346548	34346630	Gmdrm	hypo	CG	-0.0488
Gm13	34346913	34347087	Gmdrm	hypo	CG	-0.3737
Gm13	34347617	34347852	Gmdrm	hypo	CG	-0.195
Gm13	34350017	34350318	Gmdrm	hypo	CG	-0.0978
Gm13	34360437	34360680	Gmdrm	hypo	CG	-0.7178
Gm13	34388952	34389023	Gmdrm	hypo	CG	-0.7666
Gm13	34395175	34395316	Gmdrm	hypo	CG	-0.024
Gm13	34397069	34397169	Gmdrm	hypo	CG	-0.931
Gm13	34397294	34397381	Gmdrm	hypo	CG	-0.335

Gm13	34434628	34434665 Gmdrm	hypo	CG	-0.028
Gm13	34454730	34454828 Gmdrm	hypo	CG	-0.5643
Gm13	34485085	34485161 Gmdrm	hypo	CG	-0.945
Gm13	34485330	34485521 Gmdrm	hypo	CG	-0.9581
Gm13	34501378	34501555 Gmdrm	hypo	CG	-0.48
Gm13	34502095	34502275 Gmdrm	hypo	CG	-0.05
Gm13	34511595	34511671 Gmdrm	hypo	CG	-0.0817
Gm13	34590309	34590879 Gmdrm	hypo	CG	-0.2213
Gm13	34597971	34598537 Gmdrm	hypo	CG	-0.765
Gm13	34598686	34598873 Gmdrm	hypo	CG	-0.8641
Gm13	34599288	34599333 Gmdrm	hypo	CG	-0.7963
Gm13	34602049	34602147 Gmdrm	hypo	CG	-0.925
Gm13	34602275	34602445 Gmdrm	hypo	CG	-0.527
Gm13	34605811	34605886 Gmdrm	hypo	CG	-0.7233
Gm13	34616864	34617247 Gmdrm	hypo	CG	-0.6491
Gm13	34617380	34617757 Gmdrm	hypo	CG	-0.4665
Gm13	34618275	34618367 Gmdrm	hypo	CG	-0.5888
Gm13	34637964	34638057 Gmdrm	hypo	CG	-0.5283
Gm13	34652304	34652466 Gmdrm	hypo	CG	-0.0529
Gm13	34678372	34678467 Gmdrm	hypo	CG	-0.04
Gm13	34681486	34681796 Gmdrm	hypo	CG	-0.9023
Gm13	34698839	34698969 Gmdrm	hypo	CG	-0.036
Gm13	34736196	34736346 Gmdrm	hypo	CG	-0.03
Gm13	34741078	34741201 Gmdrm	hypo	CG	-0.905
Gm13	34742018	34742168 Gmdrm	hypo	CG	-0.046
Gm13	34750393	34750958 Gmdrm	hypo	CG	-0.367
Gm13	34758375	34758395 Gmdrm	hypo	CG	-0.684
Gm13	34777030	34777629 Gmdrm	hypo	CG	-0.5546
Gm13	34826652	34827012 Gmdrm	hypo	CG	-0.0386
Gm13	34834277	34834332 Gmdrm	hypo	CG	-0.625
Gm13	34834624	34834810 Gmdrm	hypo	CG	-0.421
Gm13	34844142	34844412 Gmdrm	hypo	CG	-0.0413
Gm13	34849443	34849489 Gmdrm	hypo	CG	-0.5583
Gm13	34849897	34850115 Gmdrm	hypo	CG	-0.3964
Gm13	34860362	34860433 Gmdrm	hypo	CG	-0.8067
Gm13	34867497	34867616 Gmdrm	hypo	CG	-0.6815
Gm13	34882292	34882572 Gmdrm	hypo	CG	-0.8683
Gm13	34882850	34882928 Gmdrm	hypo	CG	-0.5583
Gm13	34883525	34883830 Gmdrm	hypo	CG	-0.786
Gm13	34901119	34901220 Gmdrm	hypo	CG	-0.2525
Gm13	34902483	34902687 Gmdrm	hypo	CG	-0.778
Gm13	34931314	34931343 Gmdrm	hypo	CG	-0.965
Gm13	34931501	34931649 Gmdrm	hypo	CG	-0.9267
Gm13	34972474	34972730 Gmdrm	hypo	CG	-0.8677
Gm13	34973739	34973901 Gmdrm	hypo	CG	-0.9239
Gm13	35000544	35000719 Gmdrm	hypo	CG	-0.0567

Gm13	35003843	35003916	Gmdrm	hypo	CG	-0.0472
Gm13	35020724	35020841	Gmdrm	hypo	CG	-0.9367
Gm13	35020955	35021009	Gmdrm	hypo	CG	-0.525
Gm13	35021609	35021681	Gmdrm	hypo	CG	-0.775
Gm13	35027780	35027875	Gmdrm	hypo	CG	-0.5425
Gm13	35034614	35034788	Gmdrm	hypo	CG	-0.1811
Gm13	35035204	35035420	Gmdrm	hypo	CG	-0.4138
Gm13	35077644	35078143	Gmdrm	hypo	CG	-0.548
Gm13	35078388	35078487	Gmdrm	hypo	CG	-0.8425
Gm13	35113929	35114237	Gmdrm	hypo	CG	-0.042
Gm13	35152791	35152907	Gmdrm	hypo	CG	-0.9013
Gm13	35159465	35159560	Gmdrm	hypo	CG	-0.0657
Gm13	35161845	35161927	Gmdrm	hypo	CG	-0.7856
Gm13	35171478	35171507	Gmdrm	hypo	CG	-0.93
Gm13	35171664	35171754	Gmdrm	hypo	CG	-0.83
Gm13	35182433	35182440	Gmdrm	hypo	CG	-0.8083
Gm13	35193243	35193608	Gmdrm	hypo	CG	-0.7267
Gm13	35193760	35194246	Gmdrm	hypo	CG	-0.7093
Gm13	35201090	35201193	Gmdrm	hypo	CG	-0.6131
Gm13	35221822	35221993	Gmdrm	hypo	CG	-0.1513
Gm13	35224981	35225016	Gmdrm	hypo	CG	-0.3487
Gm13	35232275	35232646	Gmdrm	hypo	CG	-0.7295
Gm13	35242908	35242976	Gmdrm	hypo	CG	-0.5433
Gm13	35243104	35243205	Gmdrm	hypo	CG	-0.1514
Gm13	35266244	35266367	Gmdrm	hypo	CG	-0.8428
Gm13	35272970	35273066	Gmdrm	hypo	CG	-0.142
Gm13	35273604	35273887	Gmdrm	hypo	CG	-0.4633
Gm13	35275386	35275475	Gmdrm	hypo	CG	-0.8
Gm13	35280303	35280444	Gmdrm	hypo	CG	-0.5937
Gm13	35283344	35283468	Gmdrm	hypo	CG	-0.7525
Gm13	35291592	35291734	Gmdrm	hypo	CG	-0.5555
Gm13	35291856	35291966	Gmdrm	hypo	CG	-0.84
Gm13	35297675	35297768	Gmdrm	hypo	CG	-0.7313
Gm13	35302251	35302458	Gmdrm	hypo	CG	-0.9157
Gm13	35305994	35306080	Gmdrm	hypo	CG	-0.7966
Gm13	35312008	35312065	Gmdrm	hypo	CG	-0.7416
Gm13	35312272	35312382	Gmdrm	hypo	CG	-0.55
Gm13	35312949	35313094	Gmdrm	hypo	CG	-0.7625
Gm13	35313380	35313401	Gmdrm	hypo	CG	-0.8767
Gm13	35319089	35319277	Gmdrm	hypo	CG	-0.3841
Gm13	35338382	35338394	Gmdrm	hypo	CG	-0.03
Gm13	35348970	35349081	Gmdrm	hypo	CG	-0.885
Gm13	35367006	35367140	Gmdrm	hypo	CG	-0.5337
Gm13	35381537	35381780	Gmdrm	hypo	CG	-0.038
Gm13	35406551	35406682	Gmdrm	hypo	CG	-0.077
Gm13	35415867	35416030	Gmdrm	hypo	CG	-0.4262

Gm13	35421785	35422191	Gmdrm	hypo	CG	-0.8515
Gm13	35426172	35426265	Gmdrm	hypo	CG	-0.8061
Gm13	35428638	35428812	Gmdrm	hypo	CG	-0.03
Gm13	35428949	35429095	Gmdrm	hypo	CG	-0.5
Gm13	35429246	35429367	Gmdrm	hypo	CG	-0.705
Gm13	35429577	35429642	Gmdrm	hypo	CG	-0.662
Gm13	35430191	35430450	Gmdrm	hypo	CG	-0.3857
Gm13	35437429	35438042	Gmdrm	hypo	CG	-0.6126
Gm13	35502523	35502734	Gmdrm	hypo	CG	-0.3155
Gm13	35503487	35503546	Gmdrm	hypo	CG	-0.4774
Gm13	35503899	35503960	Gmdrm	hypo	CG	-0.6275
Gm13	35519585	35520028	Gmdrm	hypo	CG	-0.4375
Gm13	35545871	35546409	Gmdrm	hypo	CG	-0.2819
Gm13	35553339	35553673	Gmdrm	hypo	CG	-0.468
Gm13	35553809	35554447	Gmdrm	hypo	CG	-0.4747
Gm13	35619225	35619442	Gmdrm	hypo	CG	-0.75
Gm13	35619832	35619944	Gmdrm	hypo	CG	-0.869
Gm13	35623888	35623940	Gmdrm	hypo	CG	-0.044
Gm13	35645712	35645965	Gmdrm	hypo	CG	-0.41
Gm13	35651589	35651758	Gmdrm	hypo	CG	-0.9612
Gm13	35652779	35652849	Gmdrm	hypo	CG	-0.9183
Gm13	35654759	35654869	Gmdrm	hypo	CG	-0.751
Gm13	35657229	35657448	Gmdrm	hypo	CG	-0.4675
Gm13	35691616	35691841	Gmdrm	hypo	CG	-0.076
Gm13	35713058	35713177	Gmdrm	hypo	CG	-0.11
Gm13	35714641	35715046	Gmdrm	hypo	CG	-0.6192
Gm13	35715163	35715444	Gmdrm	hypo	CG	-0.8921
Gm13	35717508	35717664	Gmdrm	hypo	CG	-0.8267
Gm13	35737639	35737993	Gmdrm	hypo	CG	-0.2159
Gm13	35740261	35740350	Gmdrm	hypo	CG	-0.3975
Gm13	35740724	35741062	Gmdrm	hypo	CG	-0.8344
Gm13	35743994	35744082	Gmdrm	hypo	CG	-0.6617
Gm13	35745237	35745334	Gmdrm	hypo	CG	-0.3875
Gm13	35746658	35746911	Gmdrm	hypo	CG	-0.9767
Gm13	35750572	35750746	Gmdrm	hypo	CG	-0.052
Gm13	35756741	35756867	Gmdrm	hypo	CG	-0.8583
Gm13	35762325	35762408	Gmdrm	hypo	CG	-0.8884
Gm13	35775804	35776208	Gmdrm	hypo	CG	-0.7374
Gm13	35781944	35782118	Gmdrm	hypo	CG	-0.0817
Gm13	35792191	35792511	Gmdrm	hypo	CG	-0.8875
Gm13	35847957	35848386	Gmdrm	hypo	CG	-0.3469
Gm13	35885889	35885908	Gmdrm	hypo	CG	-0.174
Gm13	35909139	35909213	Gmdrm	hypo	CG	-0.758
Gm13	35937056	35937150	Gmdrm	hypo	CG	-0.03
Gm13	35952060	35952249	Gmdrm	hypo	CG	-0.7007
Gm13	35952352	35952572	Gmdrm	hypo	CG	-0.4318

Gm13	35960007	35960140	Gmdrm	hypo	CG	-0.95
Gm13	35997659	35997872	Gmdrm	hypo	CG	-0.5717
Gm13	35998072	35998240	Gmdrm	hypo	CG	-0.6728
Gm13	36072033	36072151	Gmdrm	hypo	CG	-0.1292
Gm13	36072535	36072597	Gmdrm	hypo	CG	-0.132
Gm13	36092759	36092886	Gmdrm	hypo	CG	-0.6912
Gm13	36103466	36103564	Gmdrm	hypo	CG	-0.8582
Gm13	36104929	36105000	Gmdrm	hypo	CG	-0.6588
Gm13	36105203	36105349	Gmdrm	hypo	CG	-0.68
Gm13	36134210	36134484	Gmdrm	hypo	CG	-0.4928
Gm13	36138234	36138250	Gmdrm	hypo	CG	-0.1767
Gm13	36151283	36151353	Gmdrm	hypo	CG	-0.2083
Gm13	36156888	36157129	Gmdrm	hypo	CG	-0.5475
Gm13	36180820	36180918	Gmdrm	hypo	CG	-0.6988
Gm13	36181097	36181364	Gmdrm	hypo	CG	-0.686
Gm13	36188794	36188851	Gmdrm	hypo	CG	-0.38
Gm13	36189103	36189258	Gmdrm	hypo	CG	-0.7
Gm13	36212935	36213103	Gmdrm	hypo	CG	-0.5388
Gm13	36231609	36231715	Gmdrm	hypo	CG	-0.692
Gm13	36234157	36234541	Gmdrm	hypo	CG	-0.0805
Gm13	36317491	36317607	Gmdrm	hypo	CG	-0.12
Gm13	36326710	36327134	Gmdrm	hypo	CG	-0.2456
Gm13	36331813	36331893	Gmdrm	hypo	CG	-0.9033
Gm13	36341996	36342103	Gmdrm	hypo	CG	-0.044
Gm13	36347270	36347445	Gmdrm	hypo	CG	-0.034
Gm13	36377715	36377789	Gmdrm	hypo	CG	-0.375
Gm13	36384726	36385005	Gmdrm	hypo	CG	-0.7743
Gm13	36450755	36450865	Gmdrm	hypo	CG	-0.6225
Gm13	36537842	36538023	Gmdrm	hypo	CG	-0.5825
Gm13	36538460	36538735	Gmdrm	hypo	CG	-0.8979
Gm13	36539506	36539678	Gmdrm	hypo	CG	-0.4308
Gm13	36539876	36539957	Gmdrm	hypo	CG	-0.048
Gm13	36540853	36541183	Gmdrm	hypo	CG	-0.7747
Gm13	36550484	36550842	Gmdrm	hypo	CG	-0.6008
Gm13	36551314	36551760	Gmdrm	hypo	CG	-0.0358
Gm13	36569890	36570037	Gmdrm	hypo	CG	-0.044
Gm13	36580087	36580167	Gmdrm	hypo	CG	-0.7312
Gm13	36617937	36618054	Gmdrm	hypo	CG	-0.6583
Gm13	36620387	36620482	Gmdrm	hypo	CG	-0.965
Gm13	36638071	36638112	Gmdrm	hypo	CG	-0.775
Gm13	36638222	36638317	Gmdrm	hypo	CG	-0.4367
Gm13	36639576	36639786	Gmdrm	hypo	CG	-0.6365
Gm13	36660880	36660989	Gmdrm	hypo	CG	-0.3855
Gm13	36692928	36692968	Gmdrm	hypo	CG	-0.1434
Gm13	36695640	36695732	Gmdrm	hypo	CG	-0.7917
Gm13	36697655	36697906	Gmdrm	hypo	CG	-0.7533

Gm13	36727905	36727953	Gmdrm	hypo	CG	-0.89
Gm13	36728659	36728802	Gmdrm	hypo	CG	-0.03
Gm13	36781264	36781465	Gmdrm	hypo	CG	-0.79
Gm13	36802005	36802141	Gmdrm	hypo	CG	-0.7538
Gm13	36876771	36876894	Gmdrm	hypo	CG	-0.1242
Gm13	36877284	36877627	Gmdrm	hypo	CG	-0.2415
Gm13	36877892	36877969	Gmdrm	hypo	CG	-0.704
Gm13	36878300	36878543	Gmdrm	hypo	CG	-0.465
Gm13	36889510	36889655	Gmdrm	hypo	CG	-0.5228
Gm13	36893187	36893274	Gmdrm	hypo	CG	-0.615
Gm13	36896648	36897113	Gmdrm	hypo	CG	-0.1297
Gm13	36898321	36898524	Gmdrm	hypo	CG	-0.0908
Gm13	36901253	36901363	Gmdrm	hypo	CG	-0.738
Gm13	36927065	36927260	Gmdrm	hypo	CG	-0.6861
Gm13	36928285	36928463	Gmdrm	hypo	CG	-0.4893
Gm13	36936251	36936473	Gmdrm	hypo	CG	-0.112
Gm13	36941495	36941739	Gmdrm	hypo	CG	-0.7642
Gm13	36941936	36942133	Gmdrm	hypo	CG	-0.58
Gm13	36950245	36950283	Gmdrm	hypo	CG	-0.6233
Gm13	36954726	36954899	Gmdrm	hypo	CG	-0.029
Gm13	36970730	36971528	Gmdrm	hypo	CG	-0.7673
Gm13	36986376	36986679	Gmdrm	hypo	CG	-0.383
Gm13	37015809	37015896	Gmdrm	hypo	CG	-0.785
Gm13	37039378	37039508	Gmdrm	hypo	CG	-0.8041
Gm13	37039799	37039892	Gmdrm	hypo	CG	-0.84
Gm13	37040141	37040185	Gmdrm	hypo	CG	-0.96
Gm13	37050467	37050635	Gmdrm	hypo	CG	-0.603
Gm13	37060290	37060371	Gmdrm	hypo	CG	-0.395
Gm13	37060778	37061296	Gmdrm	hypo	CG	-0.3619
Gm13	37078201	37078353	Gmdrm	hypo	CG	-0.8775
Gm13	37078486	37078556	Gmdrm	hypo	CG	-0.8917
Gm13	37093157	37093252	Gmdrm	hypo	CG	-0.3084
Gm13	37093584	37094232	Gmdrm	hypo	CG	-0.1305
Gm13	37116601	37116905	Gmdrm	hypo	CG	-0.2916
Gm13	37117158	37117211	Gmdrm	hypo	CG	-0.4687
Gm13	37117959	37118042	Gmdrm	hypo	CG	-0.74
Gm13	37124611	37124639	Gmdrm	hypo	CG	-0.3534
Gm13	37124759	37124854	Gmdrm	hypo	CG	-0.6325
Gm13	37125822	37126268	Gmdrm	hypo	CG	-0.686
Gm13	37128017	37128106	Gmdrm	hypo	CG	-0.835
Gm13	37129312	37129338	Gmdrm	hypo	CG	-0.7075
Gm13	37174431	37174589	Gmdrm	hypo	CG	-0.065
Gm13	37177713	37177829	Gmdrm	hypo	CG	-0.6238
Gm13	37185324	37185607	Gmdrm	hypo	CG	-0.2917
Gm13	37206062	37206329	Gmdrm	hypo	CG	-0.6689
Gm13	37206457	37206577	Gmdrm	hypo	CG	-0.945

Gm13	37214718	37214756	Gmdrm	hypo	CG	-0.652
Gm13	37217807	37217966	Gmdrm	hypo	CG	-0.6625
Gm13	37235807	37236115	Gmdrm	hypo	CG	-0.5022
Gm13	37236477	37236654	Gmdrm	hypo	CG	-0.7599
Gm13	37259467	37259557	Gmdrm	hypo	CG	-0.6267
Gm13	37281112	37281413	Gmdrm	hypo	CG	-0.715
Gm13	37290945	37291026	Gmdrm	hypo	CG	-0.918
Gm13	37291143	37291187	Gmdrm	hypo	CG	-0.8817
Gm13	37317137	37317323	Gmdrm	hypo	CG	-0.125
Gm13	37331890	37332004	Gmdrm	hypo	CG	-0.66
Gm13	37342989	37343153	Gmdrm	hypo	CG	-0.09
Gm13	37369500	37369654	Gmdrm	hypo	CG	-0.769
Gm13	37401574	37401772	Gmdrm	hypo	CG	-0.6244
Gm13	37402043	37402195	Gmdrm	hypo	CG	-0.564
Gm13	37444604	37444710	Gmdrm	hypo	CG	-0.685
Gm13	37498564	37498605	Gmdrm	hypo	CG	-0.95
Gm13	37504146	37504362	Gmdrm	hypo	CG	-0.0467
Gm13	37507627	37507757	Gmdrm	hypo	CG	-0.2078
Gm13	37508681	37508747	Gmdrm	hypo	CG	-0.725
Gm13	37509022	37509054	Gmdrm	hypo	CG	-0.93
Gm13	37509432	37509587	Gmdrm	hypo	CG	-0.715
Gm13	37518123	37518178	Gmdrm	hypo	CG	-0.9413
Gm13	37529468	37529779	Gmdrm	hypo	CG	-0.795
Gm13	37537620	37537757	Gmdrm	hypo	CG	-0.7333
Gm13	37537997	37538148	Gmdrm	hypo	CG	-0.856
Gm13	37539236	37539263	Gmdrm	hypo	CG	-0.376
Gm13	37614706	37614817	Gmdrm	hypo	CG	-0.3207
Gm13	37615790	37616221	Gmdrm	hypo	CG	-0.5275
Gm13	37628063	37628366	Gmdrm	hypo	CG	-0.631
Gm13	37628558	37628772	Gmdrm	hypo	CG	-0.6834
Gm13	37724671	37724809	Gmdrm	hypo	CG	-0.5726
Gm13	37725002	37725248	Gmdrm	hypo	CG	-0.9086
Gm13	37742473	37742694	Gmdrm	hypo	CG	-0.8731
Gm13	37742802	37742965	Gmdrm	hypo	CG	-0.861
Gm13	37745031	37745194	Gmdrm	hypo	CG	-0.846
Gm13	37759373	37759628	Gmdrm	hypo	CG	-0.0322
Gm13	37762373	37762507	Gmdrm	hypo	CG	-0.8725
Gm13	37783806	37783900	Gmdrm	hypo	CG	-0.95
Gm13	37788665	37788839	Gmdrm	hypo	CG	-0.0266
Gm13	37789666	37789697	Gmdrm	hypo	CG	-0.9533
Gm13	37795565	37795652	Gmdrm	hypo	CG	-0.2766
Gm13	37802276	37802365	Gmdrm	hypo	CG	-0.9171
Gm13	37805924	37805997	Gmdrm	hypo	CG	-0.7083
Gm13	37825647	37825830	Gmdrm	hypo	CG	-0.936
Gm13	37842313	37842395	Gmdrm	hypo	CG	-0.66
Gm13	37875344	37875436	Gmdrm	hypo	CG	-0.9426

Gm13	37885319	37885746	Gmdrm	hypo	CG	-0.7611
Gm13	37931694	37931751	Gmdrm	hypo	CG	-0.985
Gm13	37934531	37934804	Gmdrm	hypo	CG	-0.2862
Gm13	37936293	37936344	Gmdrm	hypo	CG	-0.6983
Gm13	37971093	37971540	Gmdrm	hypo	CG	-0.5109
Gm13	37997994	37998089	Gmdrm	hypo	CG	-0.7458
Gm13	37998449	37998524	Gmdrm	hypo	CG	-0.5062
Gm13	38007130	38007342	Gmdrm	hypo	CG	-0.68
Gm13	38013277	38013308	Gmdrm	hypo	CG	-0.7467
Gm13	38013955	38014205	Gmdrm	hypo	CG	-0.6013
Gm13	38015892	38015974	Gmdrm	hypo	CG	-0.9034
Gm13	38016159	38016240	Gmdrm	hypo	CG	-0.9375
Gm13	38043542	38043675	Gmdrm	hypo	CG	-0.8204
Gm13	38044070	38044148	Gmdrm	hypo	CG	-0.959
Gm13	38055620	38055986	Gmdrm	hypo	CG	-0.0655
Gm13	38056442	38056541	Gmdrm	hypo	CG	-0.76
Gm13	38094273	38094356	Gmdrm	hypo	CG	-0.0923
Gm13	38117014	38117229	Gmdrm	hypo	CG	-0.6636
Gm13	38117336	38117358	Gmdrm	hypo	CG	-0.89
Gm13	38145180	38145239	Gmdrm	hypo	CG	-0.14
Gm13	38147833	38147954	Gmdrm	hypo	CG	-0.54
Gm13	38162633	38162811	Gmdrm	hypo	CG	-0.555
Gm13	38173497	38174006	Gmdrm	hypo	CG	-0.1037
Gm13	38174882	38174935	Gmdrm	hypo	CG	-0.6467
Gm13	38182055	38182255	Gmdrm	hypo	CG	-0.0089
Gm13	38184246	38184396	Gmdrm	hypo	CG	-0.8462
Gm13	38184950	38185023	Gmdrm	hypo	CG	-0.7367
Gm13	38185530	38185701	Gmdrm	hypo	CG	-0.0101
Gm13	38198701	38198769	Gmdrm	hypo	CG	-0.645
Gm13	38204858	38205109	Gmdrm	hypo	CG	-0.009
Gm13	38206773	38206939	Gmdrm	hypo	CG	-0.4616
Gm13	38212422	38212468	Gmdrm	hypo	CG	-0.6883
Gm13	38214558	38214801	Gmdrm	hypo	CG	-0.9136
Gm13	38215150	38215161	Gmdrm	hypo	CG	-0.0183
Gm13	38215958	38216074	Gmdrm	hypo	CG	-0.0171
Gm13	38217621	38217793	Gmdrm	hypo	CG	-0.0167
Gm13	38220056	38220179	Gmdrm	hypo	CG	-0.7565
Gm13	38224084	38224319	Gmdrm	hypo	CG	-0.7313
Gm13	38227265	38227397	Gmdrm	hypo	CG	-0.8966
Gm13	38296271	38296454	Gmdrm	hypo	CG	-0.495
Gm13	38296759	38296814	Gmdrm	hypo	CG	-0.1567
Gm13	38315951	38316623	Gmdrm	hypo	CG	-0.4208
Gm13	38319130	38319213	Gmdrm	hypo	CG	-0.5937
Gm13	38326941	38327138	Gmdrm	hypo	CG	-0.05
Gm13	38331903	38331963	Gmdrm	hypo	CG	-0.67
Gm13	38337178	38337339	Gmdrm	hypo	CG	-0.3232

Gm13	38338163	38338262	Gmdrm	hypo	CG	-0.515
Gm13	38371683	38371838	Gmdrm	hypo	CG	-0.4765
Gm13	38389228	38389377	Gmdrm	hypo	CG	-0.6857
Gm13	38414125	38414241	Gmdrm	hypo	CG	-0.3984
Gm13	38414653	38414765	Gmdrm	hypo	CG	-0.384
Gm13	38456515	38456768	Gmdrm	hypo	CG	-0.9573
Gm13	38477323	38477471	Gmdrm	hypo	CG	-0.7742
Gm13	38488792	38488870	Gmdrm	hypo	CG	-0.927
Gm13	38491943	38492002	Gmdrm	hypo	CG	-0.89
Gm13	38492142	38492194	Gmdrm	hypo	CG	-0.885
Gm13	38498225	38498379	Gmdrm	hypo	CG	-0.6712
Gm13	38513221	38513270	Gmdrm	hypo	CG	-0.9683
Gm13	38518201	38518472	Gmdrm	hypo	CG	-0.66
Gm13	38518596	38518749	Gmdrm	hypo	CG	-0.2978
Gm13	38528874	38529112	Gmdrm	hypo	CG	-0.6754
Gm13	38595432	38595519	Gmdrm	hypo	CG	-0.6233
Gm13	38603505	38603633	Gmdrm	hypo	CG	-0.1433
Gm13	38604799	38605018	Gmdrm	hypo	CG	-0.0562
Gm13	38629952	38630028	Gmdrm	hypo	CG	-0.194
Gm13	38644099	38644472	Gmdrm	hypo	CG	-0.8369
Gm13	38654533	38655178	Gmdrm	hypo	CG	-0.0759
Gm13	38672855	38672945	Gmdrm	hypo	CG	-0.7167
Gm13	38673460	38673533	Gmdrm	hypo	CG	-0.4266
Gm13	38686670	38686701	Gmdrm	hypo	CG	-0.6187
Gm13	38694090	38694246	Gmdrm	hypo	CG	-0.6009
Gm13	38698478	38698544	Gmdrm	hypo	CG	-0.9716
Gm13	38700569	38700742	Gmdrm	hypo	CG	-0.964
Gm13	38708155	38708266	Gmdrm	hypo	CG	-0.054
Gm13	38728765	38728905	Gmdrm	hypo	CG	-0.6154
Gm13	38729166	38729270	Gmdrm	hypo	CG	-0.898
Gm13	38737343	38737367	Gmdrm	hypo	CG	-0.8183
Gm13	38743181	38743279	Gmdrm	hypo	CG	-0.7388
Gm13	38743454	38743613	Gmdrm	hypo	CG	-0.575
Gm13	38753869	38754038	Gmdrm	hypo	CG	-0.9187
Gm13	38767762	38767919	Gmdrm	hypo	CG	-0.507
Gm13	38803303	38803795	Gmdrm	hypo	CG	-0.2137
Gm13	38844203	38844220	Gmdrm	hypo	CG	-0.7017
Gm13	38877111	38877692	Gmdrm	hypo	CG	-0.6275
Gm13	38915426	38915598	Gmdrm	hypo	CG	-0.5183
Gm13	38926606	38926988	Gmdrm	hypo	CG	-0.1359
Gm13	38927696	38927952	Gmdrm	hypo	CG	-0.0337
Gm13	38928745	38929103	Gmdrm	hypo	CG	-0.199
Gm13	38938602	38938657	Gmdrm	hypo	CG	-0.5634
Gm13	38938878	38939261	Gmdrm	hypo	CG	-0.2006
Gm13	38951601	38951696	Gmdrm	hypo	CG	-0.6149
Gm13	38953872	38953930	Gmdrm	hypo	CG	-0.0699

Gm13	38981315	38981417	Gmdrm	hypo	CG	-0.93
Gm13	39001827	39001989	Gmdrm	hypo	CG	-0.3064
Gm13	39008802	39008824	Gmdrm	hypo	CG	-0.678
Gm13	39013060	39013116	Gmdrm	hypo	CG	-0.97
Gm13	39066779	39066958	Gmdrm	hypo	CG	-0.6456
Gm13	39106792	39106911	Gmdrm	hypo	CG	-0.9517
Gm13	39128670	39128824	Gmdrm	hypo	CG	-0.0317
Gm13	39138008	39138309	Gmdrm	hypo	CG	-0.6108
Gm13	39150334	39150751	Gmdrm	hypo	CG	-0.496
Gm13	39151142	39151198	Gmdrm	hypo	CG	-0.887
Gm13	39157677	39157816	Gmdrm	hypo	CG	-0.072
Gm13	39166034	39166108	Gmdrm	hypo	CG	-0.9337
Gm13	39166523	39166738	Gmdrm	hypo	CG	-0.4896
Gm13	39170826	39170981	Gmdrm	hypo	CG	-0.025
Gm13	39173313	39173608	Gmdrm	hypo	CG	-0.3583
Gm13	39176279	39176576	Gmdrm	hypo	CG	-0.2259
Gm13	39184301	39184362	Gmdrm	hypo	CG	-0.92
Gm13	39198806	39198853	Gmdrm	hypo	CG	-0.6643
Gm13	39284055	39284229	Gmdrm	hypo	CG	-0.0343
Gm13	39284774	39284821	Gmdrm	hypo	CG	-0.9488
Gm13	39306656	39306818	Gmdrm	hypo	CG	-0.0457
Gm13	39313887	39313937	Gmdrm	hypo	CG	-0.08
Gm13	39315171	39315630	Gmdrm	hypo	CG	-0.3476
Gm13	39384134	39384353	Gmdrm	hypo	CG	-0.4093
Gm13	39392775	39393091	Gmdrm	hypo	CG	-0.4317
Gm13	39403400	39403789	Gmdrm	hypo	CG	-0.4563
Gm13	39404162	39404386	Gmdrm	hypo	CG	-0.635
Gm13	39412950	39413095	Gmdrm	hypo	CG	-0.6316
Gm13	39430689	39430737	Gmdrm	hypo	CG	-0.6667
Gm13	39442943	39443053	Gmdrm	hypo	CG	-0.5533
Gm13	39478374	39478394	Gmdrm	hypo	CG	-0.9517
Gm13	39492865	39493055	Gmdrm	hypo	CG	-0.6836
Gm13	39525724	39526192	Gmdrm	hypo	CG	-0.7467
Gm13	39535794	39536207	Gmdrm	hypo	CG	-0.0225
Gm13	39545164	39545286	Gmdrm	hypo	CG	-0.15
Gm13	39545875	39546313	Gmdrm	hypo	CG	-0.6846
Gm13	39568641	39568728	Gmdrm	hypo	CG	-0.06
Gm13	39573682	39573734	Gmdrm	hypo	CG	-0.334
Gm13	39574585	39574603	Gmdrm	hypo	CG	-0.3234
Gm13	39591691	39591897	Gmdrm	hypo	CG	-0.4125
Gm13	39599275	39599408	Gmdrm	hypo	CG	-0.4308
Gm13	39662064	39662486	Gmdrm	hypo	CG	-0.3387
Gm13	39675522	39675657	Gmdrm	hypo	CG	-0.5712
Gm13	39678919	39679071	Gmdrm	hypo	CG	-0.09
Gm13	39711546	39711793	Gmdrm	hypo	CG	-0.04
Gm13	39723906	39723992	Gmdrm	hypo	CG	-0.036

Gm13	39739506	39739637	Gmdrm	hypo	CG	-0.3104
Gm13	39742921	39742965	Gmdrm	hypo	CG	-0.9337
Gm13	39755508	39755960	Gmdrm	hypo	CG	-0.529
Gm13	39784556	39784737	Gmdrm	hypo	CG	-0.493
Gm13	39784899	39785087	Gmdrm	hypo	CG	-0.835
Gm13	39793951	39794040	Gmdrm	hypo	CG	-0.8725
Gm13	39809001	39809048	Gmdrm	hypo	CG	-0.8817
Gm13	39809648	39809802	Gmdrm	hypo	CG	-0.6575
Gm13	39835552	39835684	Gmdrm	hypo	CG	-0.8848
Gm13	39839264	39839413	Gmdrm	hypo	CG	-0.0725
Gm13	39841692	39841771	Gmdrm	hypo	CG	-0.195
Gm13	39858928	39858945	Gmdrm	hypo	CG	-0.9
Gm13	39916456	39916503	Gmdrm	hypo	CG	-0.044
Gm13	39945444	39945584	Gmdrm	hypo	CG	-0.705
Gm13	39959874	39959920	Gmdrm	hypo	CG	-0.51
Gm13	39964887	39965183	Gmdrm	hypo	CG	-0.5196
Gm13	39983586	39983790	Gmdrm	hypo	CG	-0.6437
Gm13	40029743	40030012	Gmdrm	hypo	CG	-0.3641
Gm13	40030395	40030475	Gmdrm	hypo	CG	-0.495
Gm13	40061359	40061415	Gmdrm	hypo	CG	-0.9817
Gm13	40104243	40104294	Gmdrm	hypo	CG	-0.9437
Gm13	40111914	40112031	Gmdrm	hypo	CG	-0.065
Gm13	40112672	40112772	Gmdrm	hypo	CG	-0.3589
Gm13	40113016	40113149	Gmdrm	hypo	CG	-0.124
Gm13	40143866	40144167	Gmdrm	hypo	CG	-0.5025
Gm13	40145444	40145522	Gmdrm	hypo	CG	-0.675
Gm13	40151835	40152335	Gmdrm	hypo	CG	-0.0759
Gm13	40181220	40181472	Gmdrm	hypo	CG	-0.4913
Gm13	40189305	40189367	Gmdrm	hypo	CG	-0.6238
Gm13	40194391	40194533	Gmdrm	hypo	CG	-0.061
Gm13	40206435	40206833	Gmdrm	hypo	CG	-0.7844
Gm13	40207478	40208027	Gmdrm	hypo	CG	-0.6653
Gm13	40211104	40212075	Gmdrm	hypo	CG	-0.3398
Gm13	40213299	40213355	Gmdrm	hypo	CG	-0.066
Gm13	40214596	40214685	Gmdrm	hypo	CG	-0.975
Gm13	40214803	40214903	Gmdrm	hypo	CG	-0.8425
Gm13	40215300	40215472	Gmdrm	hypo	CG	-0.77
Gm13	40228418	40228519	Gmdrm	hypo	CG	-0.7217
Gm13	40249701	40249739	Gmdrm	hypo	CG	-0.755
Gm13	40250383	40250507	Gmdrm	hypo	CG	-0.6483
Gm13	40268203	40268273	Gmdrm	hypo	CG	-0.426
Gm13	40268720	40268985	Gmdrm	hypo	CG	-0.5975
Gm13	40289083	40289143	Gmdrm	hypo	CG	-0.37
Gm13	40306454	40306970	Gmdrm	hypo	CG	-0.2839
Gm13	40307206	40307270	Gmdrm	hypo	CG	-0.7637
Gm13	40316067	40316205	Gmdrm	hypo	CG	-0.5236

Gm13	40317687	40317848	Gmdrm	hypo	CG	-0.4208
Gm13	40339286	40339599	Gmdrm	hypo	CG	-0.5156
Gm13	40340067	40340238	Gmdrm	hypo	CG	-0.37
Gm13	40341980	40342210	Gmdrm	hypo	CG	-0.9258
Gm13	40357233	40357904	Gmdrm	hypo	CG	-0.4012
Gm13	40398417	40398654	Gmdrm	hypo	CG	-0.825
Gm13	40405962	40406231	Gmdrm	hypo	CG	-0.0417
Gm13	40437175	40437239	Gmdrm	hypo	CG	-0.0383
Gm13	40456838	40457814	Gmdrm	hypo	CG	-0.0329
Gm13	40479557	40479758	Gmdrm	hypo	CG	-0.6839
Gm13	40479951	40480075	Gmdrm	hypo	CG	-0.27
Gm13	40480342	40480644	Gmdrm	hypo	CG	-0.6189
Gm13	40495915	40496144	Gmdrm	hypo	CG	-0.0729
Gm13	40523712	40523739	Gmdrm	hypo	CG	-0.9717
Gm13	40524456	40524604	Gmdrm	hypo	CG	-0.7963
Gm13	40525410	40525518	Gmdrm	hypo	CG	-0.9546
Gm13	40527554	40527682	Gmdrm	hypo	CG	-0.94
Gm13	40564028	40564149	Gmdrm	hypo	CG	-0.86
Gm13	40570615	40571019	Gmdrm	hypo	CG	-0.8313
Gm13	40598704	40598998	Gmdrm	hypo	CG	-0.0239
Gm13	40646621	40646709	Gmdrm	hypo	CG	-0.6391
Gm13	40647113	40647378	Gmdrm	hypo	CG	-0.485
Gm13	40661958	40662012	Gmdrm	hypo	CG	-0.0592
Gm13	40669148	40669302	Gmdrm	hypo	CG	-0.4889
Gm13	40679598	40679690	Gmdrm	hypo	CG	-0.948
Gm13	40691009	40691205	Gmdrm	hypo	CG	-0.0915
Gm13	40691476	40691642	Gmdrm	hypo	CG	-0.6839
Gm13	40694961	40695066	Gmdrm	hypo	CG	-0.8962
Gm13	40699444	40699566	Gmdrm	hypo	CG	-0.03
Gm13	40735252	40735369	Gmdrm	hypo	CG	-0.7725
Gm13	40735605	40735782	Gmdrm	hypo	CG	-0.3057
Gm13	40759956	40760115	Gmdrm	hypo	CG	-0.8558
Gm13	40760369	40760467	Gmdrm	hypo	CG	-0.4374
Gm13	40765333	40765408	Gmdrm	hypo	CG	-0.46
Gm13	40765550	40765691	Gmdrm	hypo	CG	-0.3071
Gm13	40766708	40766791	Gmdrm	hypo	CG	-0.2107
Gm13	40780382	40780424	Gmdrm	hypo	CG	-0.68
Gm13	40781250	40781405	Gmdrm	hypo	CG	-0.131
Gm13	40796618	40796778	Gmdrm	hypo	CG	-0.1438
Gm13	40804643	40804983	Gmdrm	hypo	CG	-0.742
Gm13	40831925	40831952	Gmdrm	hypo	CG	-0.6234
Gm13	40844666	40844990	Gmdrm	hypo	CG	-0.6241
Gm13	40857934	40857964	Gmdrm	hypo	CG	-0.8817
Gm13	40858101	40858196	Gmdrm	hypo	CG	-0.9414
Gm13	40858755	40859122	Gmdrm	hypo	CG	-0.1309
Gm13	40859233	40859339	Gmdrm	hypo	CG	-0.4417

Gm13	40873536	40873607	Gmdrm	hypo	CG	-0.915
Gm13	40874176	40874295	Gmdrm	hypo	CG	-0.925
Gm13	40893134	40893314	Gmdrm	hypo	CG	-0.6744
Gm13	40906980	40907391	Gmdrm	hypo	CG	-0.2853
Gm13	40908879	40908924	Gmdrm	hypo	CG	-0.0767
Gm13	40961428	40961641	Gmdrm	hypo	CG	-0.1214
Gm13	40968827	40969044	Gmdrm	hypo	CG	-0.5562
Gm13	41034015	41034179	Gmdrm	hypo	CG	-0.6144
Gm13	41047827	41048038	Gmdrm	hypo	CG	-0.592
Gm13	41048142	41048252	Gmdrm	hypo	CG	-0.6362
Gm13	41055400	41055520	Gmdrm	hypo	CG	-0.5386
Gm13	41073061	41073314	Gmdrm	hypo	CG	-0.6188
Gm13	41073460	41073613	Gmdrm	hypo	CG	-0.515
Gm13	41073813	41074285	Gmdrm	hypo	CG	-0.0924
Gm13	41095508	41095821	Gmdrm	hypo	CG	-0.1578
Gm13	41109197	41109212	Gmdrm	hypo	CG	-0.036
Gm13	41129278	41129339	Gmdrm	hypo	CG	-0.7683
Gm13	41138650	41138918	Gmdrm	hypo	CG	-0.7329
Gm13	41148322	41148615	Gmdrm	hypo	CG	-0.4472
Gm13	41148934	41148997	Gmdrm	hypo	CG	-0.1925
Gm13	41149175	41149418	Gmdrm	hypo	CG	-0.8255
Gm13	41176264	41176311	Gmdrm	hypo	CG	-0.84
Gm13	41189464	41189687	Gmdrm	hypo	CG	-0.92
Gm13	41214524	41214787	Gmdrm	hypo	CG	-0.03
Gm13	41218853	41219018	Gmdrm	hypo	CG	-0.2767
Gm13	41220373	41220604	Gmdrm	hypo	CG	-0.355
Gm13	41236868	41237339	Gmdrm	hypo	CG	-0.6844
Gm13	41245157	41245307	Gmdrm	hypo	CG	-0.8989
Gm13	41245778	41246020	Gmdrm	hypo	CG	-0.494
Gm13	41246414	41246427	Gmdrm	hypo	CG	-0.1133
Gm13	41274417	41274752	Gmdrm	hypo	CG	-0.2161
Gm13	41285306	41285401	Gmdrm	hypo	CG	-0.0634
Gm13	41322576	41322701	Gmdrm	hypo	CG	-0.435
Gm13	41322838	41323069	Gmdrm	hypo	CG	-0.3508
Gm13	41342843	41343304	Gmdrm	hypo	CG	-0.6165
Gm13	41388486	41388542	Gmdrm	hypo	CG	-0.7016
Gm13	41388692	41388748	Gmdrm	hypo	CG	-0.64
Gm13	41391573	41391814	Gmdrm	hypo	CG	-0.8557
Gm13	41392398	41392772	Gmdrm	hypo	CG	-0.7867
Gm13	41397497	41397641	Gmdrm	hypo	CG	-0.0422
Gm13	41414662	41414860	Gmdrm	hypo	CG	-0.935
Gm13	41417272	41417476	Gmdrm	hypo	CG	-0.46
Gm13	41452201	41452353	Gmdrm	hypo	CG	-0.03
Gm13	41459241	41459521	Gmdrm	hypo	CG	-0.3455
Gm13	41459909	41460030	Gmdrm	hypo	CG	-0.5
Gm13	41470657	41471066	Gmdrm	hypo	CG	-0.1271

Gm13	41471742	41471945	Gmdrm	hypo	CG	-0.193
Gm13	41472064	41472093	Gmdrm	hypo	CG	-0.2083
Gm13	41502726	41503039	Gmdrm	hypo	CG	-0.7578
Gm13	41504920	41504961	Gmdrm	hypo	CG	-0.9467
Gm13	41505125	41505209	Gmdrm	hypo	CG	-0.0735
Gm13	41505870	41505903	Gmdrm	hypo	CG	-0.474
Gm13	41506986	41507095	Gmdrm	hypo	CG	-0.4
Gm13	41522459	41522515	Gmdrm	hypo	CG	-0.8688
Gm13	41543245	41543572	Gmdrm	hypo	CG	-0.3794
Gm13	41555575	41555709	Gmdrm	hypo	CG	-0.73
Gm13	41600323	41600349	Gmdrm	hypo	CG	-0.2717
Gm13	41607971	41608028	Gmdrm	hypo	CG	-0.04
Gm13	41608555	41608746	Gmdrm	hypo	CG	-0.048
Gm13	41641519	41641631	Gmdrm	hypo	CG	-0.1343
Gm13	41641774	41641891	Gmdrm	hypo	CG	-0.9637
Gm13	41657816	41657916	Gmdrm	hypo	CG	-0.91
Gm13	41706668	41706773	Gmdrm	hypo	CG	-0.7267
Gm13	41718454	41718826	Gmdrm	hypo	CG	-0.8997
Gm13	41719167	41719323	Gmdrm	hypo	CG	-0.6367
Gm13	41719722	41720116	Gmdrm	hypo	CG	-0.8878
Gm13	41726142	41726396	Gmdrm	hypo	CG	-0.7227
Gm13	41726553	41726771	Gmdrm	hypo	CG	-0.7469
Gm13	41733644	41733800	Gmdrm	hypo	CG	-0.615
Gm13	41785012	41785296	Gmdrm	hypo	CG	-0.8764
Gm13	41853375	41853563	Gmdrm	hypo	CG	-0.7231
Gm13	41854234	41854309	Gmdrm	hypo	CG	-0.545
Gm13	41854583	41855041	Gmdrm	hypo	CG	-0.7423
Gm13	41880660	41881225	Gmdrm	hypo	CG	-0.0655
Gm13	41903140	41903294	Gmdrm	hypo	CG	-0.7775
Gm13	41905296	41905411	Gmdrm	hypo	CG	-0.92
Gm13	41914263	41914452	Gmdrm	hypo	CG	-0.116
Gm13	41924660	41924676	Gmdrm	hypo	CG	-0.57
Gm13	41925428	41925618	Gmdrm	hypo	CG	-0.0642
Gm13	41927207	41927272	Gmdrm	hypo	CG	-0.2762
Gm13	41927622	41927804	Gmdrm	hypo	CG	-0.4075
Gm13	41941507	41941733	Gmdrm	hypo	CG	-0.4616
Gm13	41954498	41954604	Gmdrm	hypo	CG	-0.7075
Gm13	41956298	41956446	Gmdrm	hypo	CG	-0.7375
Gm13	41956605	41956726	Gmdrm	hypo	CG	-0.82
Gm13	41977441	41977524	Gmdrm	hypo	CG	-0.5487
Gm13	41977799	41977934	Gmdrm	hypo	CG	-0.7433
Gm13	42001274	42001330	Gmdrm	hypo	CG	-0.9667
Gm13	42001539	42001593	Gmdrm	hypo	CG	-0.675
Gm13	42014217	42014425	Gmdrm	hypo	CG	-0.9011
Gm13	42014528	42014789	Gmdrm	hypo	CG	-0.4285
Gm13	42024572	42024718	Gmdrm	hypo	CG	-0.9012

Gm13	42025564	42025655 Gmdrm	hypo	CG	-0.203
Gm13	42062358	42062658 Gmdrm	hypo	CG	-0.0617
Gm13	42064454	42064548 Gmdrm	hypo	CG	-0.6745
Gm13	42071828	42072019 Gmdrm	hypo	CG	-0.1722
Gm13	42072287	42072404 Gmdrm	hypo	CG	-0.6163
Gm13	42128071	42128274 Gmdrm	hypo	CG	-0.04
Gm13	42131855	42131922 Gmdrm	hypo	CG	-0.04
Gm13	42142343	42142474 Gmdrm	hypo	CG	-0.111
Gm13	42143193	42143294 Gmdrm	hypo	CG	-0.2283
Gm13	42153061	42153338 Gmdrm	hypo	CG	-0.2917
Gm13	42154808	42155615 Gmdrm	hypo	CG	-0.0989
Gm13	42161242	42161585 Gmdrm	hypo	CG	-0.3121
Gm13	42162517	42162656 Gmdrm	hypo	CG	-0.6875
Gm13	42172041	42172333 Gmdrm	hypo	CG	-0.285
Gm13	42172508	42172825 Gmdrm	hypo	CG	-0.2535
Gm13	42172970	42173167 Gmdrm	hypo	CG	-0.0716
Gm13	42186805	42186997 Gmdrm	hypo	CG	-0.8282
Gm13	42194903	42195117 Gmdrm	hypo	CG	-0.7555
Gm13	42200266	42200326 Gmdrm	hypo	CG	-0.86
Gm13	42200452	42200529 Gmdrm	hypo	CG	-0.9117
Gm13	42236184	42236303 Gmdrm	hypo	CG	-0.0582
Gm13	42255503	42256022 Gmdrm	hypo	CG	-0.6159
Gm13	42279292	42279356 Gmdrm	hypo	CG	-0.8475
Gm13	42282098	42282123 Gmdrm	hypo	CG	-0.2417
Gm13	42306681	42306710 Gmdrm	hypo	CG	-0.5667
Gm13	42307019	42307055 Gmdrm	hypo	CG	-0.6267
Gm13	42318284	42318362 Gmdrm	hypo	CG	-0.6066
Gm13	42319083	42319369 Gmdrm	hypo	CG	-0.4804
Gm13	42319605	42319638 Gmdrm	hypo	CG	-0.1566
Gm13	42320345	42320649 Gmdrm	hypo	CG	-0.68
Gm13	42323374	42323417 Gmdrm	hypo	CG	-0.032
Gm13	42350866	42350974 Gmdrm	hypo	CG	-0.8933
Gm13	42374310	42374526 Gmdrm	hypo	CG	-0.0383
Gm13	42377202	42377736 Gmdrm	hypo	CG	-0.5519
Gm13	42384157	42384354 Gmdrm	hypo	CG	-0.7739
Gm13	42386121	42386134 Gmdrm	hypo	CG	-0.184
Gm13	42409145	42409314 Gmdrm	hypo	CG	-0.93
Gm13	42413219	42413482 Gmdrm	hypo	CG	-0.7611
Gm13	42430949	42431338 Gmdrm	hypo	CG	-0.0464
Gm13	42431809	42432012 Gmdrm	hypo	CG	-0.0467
Gm13	42438355	42439160 Gmdrm	hypo	CG	-0.3633
Gm13	42439398	42439578 Gmdrm	hypo	CG	-0.0975
Gm13	42439844	42439923 Gmdrm	hypo	CG	-0.3533
Gm13	42457105	42457130 Gmdrm	hypo	CG	-0.785
Gm13	42457280	42457305 Gmdrm	hypo	CG	-0.7912
Gm13	42467541	42467736 Gmdrm	hypo	CG	-0.64

Gm13	42473105	42473166	Gmdrm	hypo	CG	-0.6912
Gm13	42473700	42473794	Gmdrm	hypo	CG	-0.9537
Gm13	42530921	42531035	Gmdrm	hypo	CG	-0.03
Gm13	42551468	42551668	Gmdrm	hypo	CG	-0.9021
Gm13	42552321	42552366	Gmdrm	hypo	CG	-0.9817
Gm13	42555654	42555887	Gmdrm	hypo	CG	-0.9325
Gm13	42702604	42702785	Gmdrm	hypo	CG	-0.05
Gm13	42739597	42739783	Gmdrm	hypo	CG	-0.1775
Gm13	42749353	42749428	Gmdrm	hypo	CG	-0.055
Gm13	42769362	42769451	Gmdrm	hypo	CG	-0.134
Gm13	42785917	42786136	Gmdrm	hypo	CG	-0.036
Gm13	42789661	42789728	Gmdrm	hypo	CG	-0.4784
Gm13	42802303	42802373	Gmdrm	hypo	CG	-0.1
Gm13	42803301	42803389	Gmdrm	hypo	CG	-0.5688
Gm13	42819473	42819641	Gmdrm	hypo	CG	-0.9425
Gm13	42820524	42820607	Gmdrm	hypo	CG	-0.976
Gm13	42820809	42820878	Gmdrm	hypo	CG	-0.8717
Gm13	42844247	42844323	Gmdrm	hypo	CG	-0.595
Gm13	42844696	42844834	Gmdrm	hypo	CG	-0.7566
Gm13	42905496	42905877	Gmdrm	hypo	CG	-0.315
Gm13	42919192	42919246	Gmdrm	hypo	CG	-0.9888
Gm13	42950396	42950681	Gmdrm	hypo	CG	-0.8281
Gm13	42992297	42992493	Gmdrm	hypo	CG	-0.3616
Gm13	43018399	43018535	Gmdrm	hypo	CG	-0.7675
Gm13	43031608	43031767	Gmdrm	hypo	CG	-0.3983
Gm13	43069396	43069605	Gmdrm	hypo	CG	-0.6683
Gm13	43079175	43079548	Gmdrm	hypo	CG	-0.8371
Gm13	43080950	43081013	Gmdrm	hypo	CG	-0.482
Gm13	43095205	43095450	Gmdrm	hypo	CG	-0.071
Gm13	43095635	43095752	Gmdrm	hypo	CG	-0.6967
Gm13	43095999	43096114	Gmdrm	hypo	CG	-0.83
Gm13	43117012	43117146	Gmdrm	hypo	CG	-0.918
Gm13	43132694	43133044	Gmdrm	hypo	CG	-0.0395
Gm13	43133592	43133843	Gmdrm	hypo	CG	-0.925
Gm13	43152901	43153032	Gmdrm	hypo	CG	-0.7988
Gm13	43156202	43156439	Gmdrm	hypo	CG	-0.8309
Gm13	43157483	43157534	Gmdrm	hypo	CG	-0.7838
Gm13	43160437	43160759	Gmdrm	hypo	CG	-0.851
Gm13	43176890	43176947	Gmdrm	hypo	CG	-0.6317
Gm13	43187643	43187736	Gmdrm	hypo	CG	-0.794
Gm13	43201187	43201343	Gmdrm	hypo	CG	-0.8082
Gm13	43201457	43201535	Gmdrm	hypo	CG	-0.44
Gm13	43202091	43202524	Gmdrm	hypo	CG	-0.14
Gm13	43252994	43253209	Gmdrm	hypo	CG	-0.9
Gm13	43253617	43253692	Gmdrm	hypo	CG	-0.2436
Gm13	43253991	43254184	Gmdrm	hypo	CG	-0.365

Gm13	43282385	43282563	Gmdrm	hypo	CG	-0.6921
Gm13	43283296	43283457	Gmdrm	hypo	CG	-0.3541
Gm13	43311205	43311342	Gmdrm	hypo	CG	-0.6469
Gm13	43323045	43323272	Gmdrm	hypo	CG	-0.0696
Gm13	43396523	43396684	Gmdrm	hypo	CG	-0.8972
Gm13	43397595	43397684	Gmdrm	hypo	CG	-0.7385
Gm13	43430209	43430261	Gmdrm	hypo	CG	-0.9383
Gm13	43433332	43433589	Gmdrm	hypo	CG	-0.5653
Gm13	43433926	43434066	Gmdrm	hypo	CG	-0.849
Gm13	43435915	43436051	Gmdrm	hypo	CG	-0.0483
Gm13	43461586	43461770	Gmdrm	hypo	CG	-0.5006
Gm13	43505658	43505974	Gmdrm	hypo	CG	-0.5512
Gm13	43506210	43506366	Gmdrm	hypo	CG	-0.9367
Gm13	43511755	43512158	Gmdrm	hypo	CG	-0.5633
Gm13	43515013	43515122	Gmdrm	hypo	CG	-0.1216
Gm13	43516787	43516996	Gmdrm	hypo	CG	-0.2236
Gm13	43590143	43590700	Gmdrm	hypo	CG	-0.1084
Gm13	43595422	43595451	Gmdrm	hypo	CG	-0.229
Gm13	43611255	43611392	Gmdrm	hypo	CG	-0.055
Gm13	43613939	43614150	Gmdrm	hypo	CG	-0.1672
Gm13	43614687	43614861	Gmdrm	hypo	CG	-0.1749
Gm13	43616591	43616868	Gmdrm	hypo	CG	-0.79
Gm13	43619974	43620210	Gmdrm	hypo	CG	-0.869
Gm13	43620573	43620665	Gmdrm	hypo	CG	-0.9266
Gm13	43648843	43648982	Gmdrm	hypo	CG	-0.44
Gm13	43651437	43651782	Gmdrm	hypo	CG	-0.9773
Gm13	43653592	43653885	Gmdrm	hypo	CG	-0.7123
Gm13	43654928	43655043	Gmdrm	hypo	CG	-0.8288
Gm13	43655549	43655722	Gmdrm	hypo	CG	-0.945
Gm13	43682731	43683101	Gmdrm	hypo	CG	-0.6487
Gm13	43683410	43683660	Gmdrm	hypo	CG	-0.6334
Gm13	43691372	43691423	Gmdrm	hypo	CG	-0.6567
Gm13	43696736	43696804	Gmdrm	hypo	CG	-0.4862
Gm13	43720885	43721194	Gmdrm	hypo	CG	-0.0492
Gm13	43726649	43726950	Gmdrm	hypo	CG	-0.4112
Gm13	43741277	43741331	Gmdrm	hypo	CG	-0.9
Gm13	43774879	43775074	Gmdrm	hypo	CG	-0.0324
Gm13	43776878	43777024	Gmdrm	hypo	CG	-0.5766
Gm13	43785726	43785855	Gmdrm	hypo	CG	-0.5725
Gm13	43788994	43789097	Gmdrm	hypo	CG	-0.5267
Gm13	43901551	43901772	Gmdrm	hypo	CG	-0.5744
Gm13	43906732	43906861	Gmdrm	hypo	CG	-0.35
Gm13	43933097	43933274	Gmdrm	hypo	CG	-0.935
Gm13	43933911	43934154	Gmdrm	hypo	CG	-0.5229
Gm13	43973195	43973403	Gmdrm	hypo	CG	-0.1207
Gm13	43985470	43985562	Gmdrm	hypo	CG	-0.138

Gm13	43985848	43985988	Gmdrm	hypo	CG	-0.1283
Gm13	44004238	44004394	Gmdrm	hypo	CG	-0.2434
Gm13	44007470	44007686	Gmdrm	hypo	CG	-0.6546
Gm13	44007794	44007905	Gmdrm	hypo	CG	-0.5966
Gm13	44038320	44038413	Gmdrm	hypo	CG	-0.85
Gm13	44045657	44045689	Gmdrm	hypo	CG	-0.9583
Gm13	44046127	44046277	Gmdrm	hypo	CG	-0.4987
Gm13	44046388	44046539	Gmdrm	hypo	CG	-0.054
Gm13	44049188	44049383	Gmdrm	hypo	CG	-0.4234
Gm13	44055261	44055317	Gmdrm	hypo	CG	-0.52
Gm13	44059828	44060014	Gmdrm	hypo	CG	-0.581
Gm13	44060256	44060513	Gmdrm	hypo	CG	-0.3766
Gm13	44060702	44060751	Gmdrm	hypo	CG	-0.6967
Gm13	44068830	44069179	Gmdrm	hypo	CG	-0.8712
Gm13	44069286	44069374	Gmdrm	hypo	CG	-0.8883
Gm13	44093691	44093908	Gmdrm	hypo	CG	-0.2634
Gm13	44111545	44111659	Gmdrm	hypo	CG	-0.7662
Gm13	44112084	44112461	Gmdrm	hypo	CG	-0.734
Gm13	44120382	44120454	Gmdrm	hypo	CG	-0.8367
Gm13	44125558	44125688	Gmdrm	hypo	CG	-0.7725
Gm13	44125794	44125905	Gmdrm	hypo	CG	-0.969
Gm13	44156132	44156254	Gmdrm	hypo	CG	-0.0467
Gm13	44182964	44183948	Gmdrm	hypo	CG	-0.3062
Gm13	44193454	44193738	Gmdrm	hypo	CG	-0.0543
Gm13	44201023	44201105	Gmdrm	hypo	CG	-0.9767
Gm13	44289285	44289822	Gmdrm	hypo	CG	-0.0408
Gm13	44291295	44291359	Gmdrm	hypo	CG	-0.05
Gm13	44298116	44298474	Gmdrm	hypo	CG	-0.8258
Gm13	44304432	44304624	Gmdrm	hypo	CG	-0.3744
Gm13	44324420	44324547	Gmdrm	hypo	CG	-0.9433
Gm13	44355574	44355683	Gmdrm	hypo	CG	-0.9237
Gm13	44364356	44364581	Gmdrm	hypo	CG	-0.654
Gm13	44364691	44364839	Gmdrm	hypo	CG	-0.386
Gm13	44375886	44375978	Gmdrm	hypo	CG	-0.0367
Gm13	44383951	44384081	Gmdrm	hypo	CG	-0.707
Gm13	44385406	44385528	Gmdrm	hypo	CG	-0.6609
Gm13	44386491	44386523	Gmdrm	hypo	CG	-0.9683
Gm13	44417583	44417633	Gmdrm	hypo	CG	-0.9187
Gm13	44418618	44418695	Gmdrm	hypo	CG	-0.766
Gm13	44452305	44452567	Gmdrm	hypo	CG	-0.6036
Gm13	44472701	44472839	Gmdrm	hypo	CG	-0.3612
Gm13	44472956	44473077	Gmdrm	hypo	CG	-0.2083
Gm13	44498825	44499397	Gmdrm	hypo	CG	-0.1784
Gm13	44540639	44540744	Gmdrm	hypo	CG	-0.9342
Gm13	44546125	44546323	Gmdrm	hypo	CG	-0.9619
Gm13	44570189	44570492	Gmdrm	hypo	CG	-0.06

Gm13	44595723	44595739 Gmdrm	hypo	CG	-0.08
Gm13	44611940	44612179 Gmdrm	hypo	CG	-0.8825
Gm13	44614539	44614775 Gmdrm	hypo	CG	-0.8307
Gm13	44619908	44620011 Gmdrm	hypo	CG	-0.535
Gm13	44630204	44630249 Gmdrm	hypo	CG	-0.5767
Gm13	44654731	44654946 Gmdrm	hypo	CG	-0.7263
Gm13	44655980	44656204 Gmdrm	hypo	CG	-0.9375
Gm13	44667127	44667235 Gmdrm	hypo	CG	-0.7312
Gm13	44667460	44667629 Gmdrm	hypo	CG	-0.4633
Gm13	44693255	44693429 Gmdrm	hypo	CG	-0.9694
Gm13	44694113	44694288 Gmdrm	hypo	CG	-0.9679
Gm13	44702789	44702815 Gmdrm	hypo	CG	-0.45
Gm13	44704047	44704135 Gmdrm	hypo	CG	-0.555
Gm13	44706983	44707210 Gmdrm	hypo	CG	-0.765
Gm13	44707311	44707437 Gmdrm	hypo	CG	-0.826
Gm13	44707811	44707900 Gmdrm	hypo	CG	-0.279
Gm13	44710580	44710938 Gmdrm	hypo	CG	-0.2317
Gm13	44711460	44711543 Gmdrm	hypo	CG	-0.4983
Gm13	44711723	44711786 Gmdrm	hypo	CG	-0.3338
Gm13	44712363	44712440 Gmdrm	hypo	CG	-0.6627
Gm13	44730805	44730872 Gmdrm	hypo	CG	-0.6657
Gm13	44732952	44733228 Gmdrm	hypo	CG	-0.9058
Gm13	44733481	44733745 Gmdrm	hypo	CG	-0.615
Gm13	44734270	44734397 Gmdrm	hypo	CG	-0.3025
Gm13	44751471	44751592 Gmdrm	hypo	CG	-0.9528
Gm13	44754529	44754900 Gmdrm	hypo	CG	-0.58
Gm13	44782235	44782296 Gmdrm	hypo	CG	-0.4717
Gm13	44793262	44793376 Gmdrm	hypo	CG	-0.5824
Gm13	44793608	44793812 Gmdrm	hypo	CG	-0.8583
Gm13	44795947	44796139 Gmdrm	hypo	CG	-0.3975
Gm13	44796261	44796478 Gmdrm	hypo	CG	-0.365
Gm13	44827741	44827982 Gmdrm	hypo	CG	-0.088
Gm13	44838905	44839451 Gmdrm	hypo	CG	-0.4368
Gm13	44840093	44840149 Gmdrm	hypo	CG	-0.4513
Gm13	44854158	44854225 Gmdrm	hypo	CG	-0.835
Gm13	44858729	44859114 Gmdrm	hypo	CG	-0.6692
Gm13	44870069	44870350 Gmdrm	hypo	CG	-0.4067
Gm13	44879265	44879439 Gmdrm	hypo	CG	-0.0457
Gm13	44899381	44899510 Gmdrm	hypo	CG	-0.726
Gm13	44902295	44902345 Gmdrm	hypo	CG	-0.23
Gm13	44902457	44902652 Gmdrm	hypo	CG	-0.3
Gm13	44903662	44903780 Gmdrm	hypo	CG	-0.605
Gm13	44908072	44908165 Gmdrm	hypo	CG	-0.8867
Gm13	44908801	44908915 Gmdrm	hypo	CG	-0.5667
Gm13	44944425	44944689 Gmdrm	hypo	CG	-0.587
Gm13	44948655	44948809 Gmdrm	hypo	CG	-0.5973

Gm13	44966544	44966624	Gmdrm	hypo	CG	-0.6723
Gm13	44968246	44968359	Gmdrm	hypo	CG	-0.086
Gm13	45047029	45047412	Gmdrm	hypo	CG	-0.2552
Gm13	45047936	45048259	Gmdrm	hypo	CG	-0.0884
Gm13	45052036	45052259	Gmdrm	hypo	CG	-0.044
Gm13	45057028	45057231	Gmdrm	hypo	CG	-0.961
Gm13	45061800	45061941	Gmdrm	hypo	CG	-0.682
Gm13	45080547	45080888	Gmdrm	hypo	CG	-0.0533
Gm13	45084464	45084528	Gmdrm	hypo	CG	-0.8183
Gm13	45087481	45087520	Gmdrm	hypo	CG	-0.6016
Gm13	45088874	45088950	Gmdrm	hypo	CG	-0.7167
Gm13	45114177	45114376	Gmdrm	hypo	CG	-0.3842
Gm13	45132699	45132927	Gmdrm	hypo	CG	-0.3089
Gm13	45133298	45133544	Gmdrm	hypo	CG	-0.4762
Gm13	45134507	45134556	Gmdrm	hypo	CG	-0.122
Gm13	45174359	45174672	Gmdrm	hypo	CG	-0.0575
Gm13_scaffo	29511	29726	Gmdrm	hypo	CG	-0.1479
Gm14	44220	44369	Gmdrm	hypo	CG	-0.135
Gm14	44484	44575	Gmdrm	hypo	CG	-0.2067
Gm14	95693	95782	Gmdrm	hypo	CG	-0.145
Gm14	96611	96700	Gmdrm	hypo	CG	-0.37
Gm14	99367	99551	Gmdrm	hypo	CG	-0.1513
Gm14	100120	100208	Gmdrm	hypo	CG	-0.102
Gm14	100686	100735	Gmdrm	hypo	CG	-0.115
Gm14	100845	101157	Gmdrm	hypo	CG	-0.6487
Gm14	132327	132396	Gmdrm	hypo	CG	-0.965
Gm14	141682	141870	Gmdrm	hypo	CG	-0.894
Gm14	199631	199901	Gmdrm	hypo	CG	-0.2719
Gm14	206035	206096	Gmdrm	hypo	CG	-0.63
Gm14	207653	207858	Gmdrm	hypo	CG	-0.6243
Gm14	207962	208209	Gmdrm	hypo	CG	-0.4525
Gm14	209000	209301	Gmdrm	hypo	CG	-0.1766
Gm14	218513	218723	Gmdrm	hypo	CG	-0.5385
Gm14	235068	235422	Gmdrm	hypo	CG	-0.9385
Gm14	247237	247733	Gmdrm	hypo	CG	-0.6167
Gm14	269008	269026	Gmdrm	hypo	CG	-0.69
Gm14	270148	270592	Gmdrm	hypo	CG	-0.4792
Gm14	271531	271600	Gmdrm	hypo	CG	-0.3967
Gm14	271770	271902	Gmdrm	hypo	CG	-0.8991
Gm14	273753	273844	Gmdrm	hypo	CG	-0.8817
Gm14	301932	301952	Gmdrm	hypo	CG	-0.71
Gm14	356778	356871	Gmdrm	hypo	CG	-0.675
Gm14	357363	357590	Gmdrm	hypo	CG	-0.494
Gm14	402113	402192	Gmdrm	hypo	CG	-0.6933
Gm14	430138	430279	Gmdrm	hypo	CG	-0.0467
Gm14	431204	431367	Gmdrm	hypo	CG	-0.9683

Gm14	445832	446066 Gmdrm	hypo	CG	-0.3546
Gm14	503906	503989 Gmdrm	hypo	CG	-0.9394
Gm14	513311	513644 Gmdrm	hypo	CG	-0.3722
Gm14	534035	534412 Gmdrm	hypo	CG	-0.7427
Gm14	534536	534595 Gmdrm	hypo	CG	-0.3666
Gm14	553964	554155 Gmdrm	hypo	CG	-0.9682
Gm14	558307	558591 Gmdrm	hypo	CG	-0.1339
Gm14	594446	594544 Gmdrm	hypo	CG	-0.71
Gm14	604716	604811 Gmdrm	hypo	CG	-0.1033
Gm14	627434	627472 Gmdrm	hypo	CG	-0.7799
Gm14	629576	630112 Gmdrm	hypo	CG	-0.3738
Gm14	630614	630728 Gmdrm	hypo	CG	-0.41
Gm14	643064	643366 Gmdrm	hypo	CG	-0.0513
Gm14	648636	648698 Gmdrm	hypo	CG	-0.325
Gm14	648812	648856 Gmdrm	hypo	CG	-0.1699
Gm14	674531	674586 Gmdrm	hypo	CG	-0.498
Gm14	702892	703118 Gmdrm	hypo	CG	-0.333
Gm14	718457	719002 Gmdrm	hypo	CG	-0.2047
Gm14	719200	719442 Gmdrm	hypo	CG	-0.1347
Gm14	719628	720013 Gmdrm	hypo	CG	-0.4438
Gm14	727820	727970 Gmdrm	hypo	CG	-0.6681
Gm14	781715	781805 Gmdrm	hypo	CG	-0.79
Gm14	782594	782655 Gmdrm	hypo	CG	-0.7113
Gm14	803890	803971 Gmdrm	hypo	CG	-0.6583
Gm14	810099	810335 Gmdrm	hypo	CG	-0.0667
Gm14	848827	848951 Gmdrm	hypo	CG	-0.7876
Gm14	872284	872400 Gmdrm	hypo	CG	-0.6433
Gm14	872665	872770 Gmdrm	hypo	CG	-0.555
Gm14	926357	926648 Gmdrm	hypo	CG	-0.2689
Gm14	937172	937499 Gmdrm	hypo	CG	-0.5322
Gm14	937737	938193 Gmdrm	hypo	CG	-0.0721
Gm14	938487	938779 Gmdrm	hypo	CG	-0.2195
Gm14	955728	955852 Gmdrm	hypo	CG	-0.4912
Gm14	957469	957740 Gmdrm	hypo	CG	-0.8835
Gm14	1055209	1055285 Gmdrm	hypo	CG	-0.9631
Gm14	1057153	1057275 Gmdrm	hypo	CG	-0.4892
Gm14	1099094	1099300 Gmdrm	hypo	CG	-0.5578
Gm14	1126560	1126600 Gmdrm	hypo	CG	-0.95
Gm14	1172642	1172850 Gmdrm	hypo	CG	-0.2462
Gm14	1197362	1197465 Gmdrm	hypo	CG	-0.1
Gm14	1223661	1223724 Gmdrm	hypo	CG	-0.925
Gm14	1239522	1239607 Gmdrm	hypo	CG	-0.688
Gm14	1251271	1251506 Gmdrm	hypo	CG	-0.0422
Gm14	1262274	1262379 Gmdrm	hypo	CG	-0.4966
Gm14	1262497	1262601 Gmdrm	hypo	CG	-0.3363
Gm14	1278080	1278204 Gmdrm	hypo	CG	-0.7633

Gm14	1297157	1297284	Gmdrm	hypo	CG	-0.2044
Gm14	1302553	1302733	Gmdrm	hypo	CG	-0.626
Gm14	1312857	1313031	Gmdrm	hypo	CG	-0.7512
Gm14	1317238	1317550	Gmdrm	hypo	CG	-0.6403
Gm14	1317659	1317909	Gmdrm	hypo	CG	-0.6486
Gm14	1322339	1322531	Gmdrm	hypo	CG	-0.4145
Gm14	1324657	1324835	Gmdrm	hypo	CG	-0.9209
Gm14	1325059	1325192	Gmdrm	hypo	CG	-0.064
Gm14	1325637	1325760	Gmdrm	hypo	CG	-0.6362
Gm14	1326587	1326906	Gmdrm	hypo	CG	-0.3408
Gm14	1327065	1327394	Gmdrm	hypo	CG	-0.2257
Gm14	1327735	1328024	Gmdrm	hypo	CG	-0.2933
Gm14	1334385	1334753	Gmdrm	hypo	CG	-0.3925
Gm14	1337808	1337921	Gmdrm	hypo	CG	-0.59
Gm14	1348208	1348328	Gmdrm	hypo	CG	-0.026
Gm14	1354113	1354238	Gmdrm	hypo	CG	-0.9183
Gm14	1362296	1362540	Gmdrm	hypo	CG	-0.1475
Gm14	1362703	1363024	Gmdrm	hypo	CG	-0.5236
Gm14	1372825	1372915	Gmdrm	hypo	CG	-0.106
Gm14	1373149	1373272	Gmdrm	hypo	CG	-0.271
Gm14	1388288	1388360	Gmdrm	hypo	CG	-0.7284
Gm14	1392160	1392348	Gmdrm	hypo	CG	-0.18
Gm14	1440355	1440447	Gmdrm	hypo	CG	-0.7537
Gm14	1440666	1440843	Gmdrm	hypo	CG	-0.5522
Gm14	1463664	1463861	Gmdrm	hypo	CG	-0.3575
Gm14	1466182	1466203	Gmdrm	hypo	CG	-0.9534
Gm14	1473547	1473865	Gmdrm	hypo	CG	-0.2592
Gm14	1493338	1493397	Gmdrm	hypo	CG	-0.4266
Gm14	1522581	1522679	Gmdrm	hypo	CG	-0.0266
Gm14	1539022	1539147	Gmdrm	hypo	CG	-0.7
Gm14	1539489	1539541	Gmdrm	hypo	CG	-0.437
Gm14	1592908	1593115	Gmdrm	hypo	CG	-0.8707
Gm14	1593390	1593492	Gmdrm	hypo	CG	-0.4814
Gm14	1598163	1598569	Gmdrm	hypo	CG	-0.418
Gm14	1612712	1612775	Gmdrm	hypo	CG	-0.89
Gm14	1624216	1624254	Gmdrm	hypo	CG	-0.0816
Gm14	1629430	1629624	Gmdrm	hypo	CG	-0.7811
Gm14	1676481	1676733	Gmdrm	hypo	CG	-0.0314
Gm14	1691628	1691832	Gmdrm	hypo	CG	-0.8012
Gm14	1715850	1716164	Gmdrm	hypo	CG	-0.052
Gm14	1817103	1817251	Gmdrm	hypo	CG	-0.0263
Gm14	1832878	1833130	Gmdrm	hypo	CG	-0.4945
Gm14	1834474	1834868	Gmdrm	hypo	CG	-0.637
Gm14	1835013	1835193	Gmdrm	hypo	CG	-0.631
Gm14	1838814	1839033	Gmdrm	hypo	CG	-0.0334
Gm14	1853408	1853480	Gmdrm	hypo	CG	-0.2188

Gm14	1854118	1854259	Gmdrm	hypo	CG	-0.665
Gm14	1893983	1894209	Gmdrm	hypo	CG	-0.5631
Gm14	1900440	1900671	Gmdrm	hypo	CG	-0.805
Gm14	1926149	1926422	Gmdrm	hypo	CG	-0.3045
Gm14	1927210	1927362	Gmdrm	hypo	CG	-0.1625
Gm14	1927825	1928093	Gmdrm	hypo	CG	-0.7844
Gm14	1946351	1946451	Gmdrm	hypo	CG	-0.3967
Gm14	1949350	1949472	Gmdrm	hypo	CG	-0.6117
Gm14	1951251	1951549	Gmdrm	hypo	CG	-0.4757
Gm14	1960483	1960524	Gmdrm	hypo	CG	-0.048
Gm14	1966562	1966588	Gmdrm	hypo	CG	-0.765
Gm14	2048967	2049947	Gmdrm	hypo	CG	-0.0891
Gm14	2058197	2058280	Gmdrm	hypo	CG	-0.9384
Gm14	2091832	2091962	Gmdrm	hypo	CG	-0.2494
Gm14	2106171	2106550	Gmdrm	hypo	CG	-0.8713
Gm14	2106799	2106930	Gmdrm	hypo	CG	-0.672
Gm14	2110569	2110627	Gmdrm	hypo	CG	-0.505
Gm14	2132726	2133015	Gmdrm	hypo	CG	-0.0489
Gm14	2137412	2137549	Gmdrm	hypo	CG	-0.572
Gm14	2187507	2187614	Gmdrm	hypo	CG	-0.916
Gm14	2191877	2192034	Gmdrm	hypo	CG	-0.805
Gm14	2220974	2221130	Gmdrm	hypo	CG	-0.05
Gm14	2255476	2255607	Gmdrm	hypo	CG	-0.6013
Gm14	2256018	2256319	Gmdrm	hypo	CG	-0.5331
Gm14	2257649	2257742	Gmdrm	hypo	CG	-0.032
Gm14	2273034	2273300	Gmdrm	hypo	CG	-0.8572
Gm14	2273569	2273673	Gmdrm	hypo	CG	-0.225
Gm14	2292061	2292223	Gmdrm	hypo	CG	-0.4233
Gm14	2331428	2331881	Gmdrm	hypo	CG	-0.634
Gm14	2353213	2353288	Gmdrm	hypo	CG	-0.8309
Gm14	2353546	2353690	Gmdrm	hypo	CG	-0.0579
Gm14	2380064	2380255	Gmdrm	hypo	CG	-0.0283
Gm14	2385641	2385835	Gmdrm	hypo	CG	-0.1272
Gm14	2426125	2426339	Gmdrm	hypo	CG	-0.505
Gm14	2427043	2427092	Gmdrm	hypo	CG	-0.5734
Gm14	2429136	2429329	Gmdrm	hypo	CG	-0.73
Gm14	2437607	2437747	Gmdrm	hypo	CG	-0.2712
Gm14	2461996	2462092	Gmdrm	hypo	CG	-0.5433
Gm14	2462282	2462460	Gmdrm	hypo	CG	-0.78
Gm14	2465148	2465232	Gmdrm	hypo	CG	-0.8533
Gm14	2499941	2500050	Gmdrm	hypo	CG	-0.9621
Gm14	2507180	2507343	Gmdrm	hypo	CG	-0.0814
Gm14	2523774	2523931	Gmdrm	hypo	CG	-0.045
Gm14	2548367	2548430	Gmdrm	hypo	CG	-0.825
Gm14	2586864	2587332	Gmdrm	hypo	CG	-0.4888
Gm14	2623606	2623669	Gmdrm	hypo	CG	-0.407

Gm14	2638173	2638415 Gmdrm	hypo	CG	-0.924
Gm14	2644627	2644949 Gmdrm	hypo	CG	-0.4986
Gm14	2652839	2653043 Gmdrm	hypo	CG	-0.2857
Gm14	2710912	2711144 Gmdrm	hypo	CG	-0.1033
Gm14	2713623	2713679 Gmdrm	hypo	CG	-0.0457
Gm14	2741394	2741639 Gmdrm	hypo	CG	-0.88
Gm14	2857815	2858041 Gmdrm	hypo	CG	-0.3756
Gm14	2863312	2863851 Gmdrm	hypo	CG	-0.2935
Gm14	2864142	2864288 Gmdrm	hypo	CG	-0.673
Gm14	3004051	3004098 Gmdrm	hypo	CG	-0.0362
Gm14	3028687	3028757 Gmdrm	hypo	CG	-0.9384
Gm14	3034128	3034313 Gmdrm	hypo	CG	-0.3183
Gm14	3036658	3036916 Gmdrm	hypo	CG	-0.3093
Gm14	3062787	3062864 Gmdrm	hypo	CG	-0.9433
Gm14	3094764	3095160 Gmdrm	hypo	CG	-0.221
Gm14	3096715	3096920 Gmdrm	hypo	CG	-0.8319
Gm14	3157953	3158064 Gmdrm	hypo	CG	-0.9371
Gm14	3194072	3194557 Gmdrm	hypo	CG	-0.04
Gm14	3209871	3210152 Gmdrm	hypo	CG	-0.2822
Gm14	3236547	3236681 Gmdrm	hypo	CG	-0.3388
Gm14	3243101	3243424 Gmdrm	hypo	CG	-0.2163
Gm14	3276419	3276523 Gmdrm	hypo	CG	-0.05
Gm14	3276919	3277118 Gmdrm	hypo	CG	-0.3767
Gm14	3278844	3279265 Gmdrm	hypo	CG	-0.3505
Gm14	3279787	3279897 Gmdrm	hypo	CG	-0.16
Gm14	3280125	3280532 Gmdrm	hypo	CG	-0.292
Gm14	3280965	3280979 Gmdrm	hypo	CG	-0.1613
Gm14	3292775	3292857 Gmdrm	hypo	CG	-0.382
Gm14	3314312	3314409 Gmdrm	hypo	CG	-0.795
Gm14	3314897	3315018 Gmdrm	hypo	CG	-0.6658
Gm14	3329420	3329467 Gmdrm	hypo	CG	-0.5666
Gm14	3337078	3337201 Gmdrm	hypo	CG	-0.4208
Gm14	3369367	3369683 Gmdrm	hypo	CG	-0.5163
Gm14	3369983	3370038 Gmdrm	hypo	CG	-0.7562
Gm14	3371780	3371868 Gmdrm	hypo	CG	-0.8249
Gm14	3372433	3372594 Gmdrm	hypo	CG	-0.6817
Gm14	3388043	3388156 Gmdrm	hypo	CG	-0.384
Gm14	3393750	3394065 Gmdrm	hypo	CG	-0.1072
Gm14	3435512	3435598 Gmdrm	hypo	CG	-0.5967
Gm14	3439617	3439748 Gmdrm	hypo	CG	-0.8459
Gm14	3444092	3444213 Gmdrm	hypo	CG	-0.949
Gm14	3477345	3477564 Gmdrm	hypo	CG	-0.823
Gm14	3512245	3512443 Gmdrm	hypo	CG	-0.4233
Gm14	3522317	3522504 Gmdrm	hypo	CG	-0.03
Gm14	3550956	3550976 Gmdrm	hypo	CG	-0.3975
Gm14	3557646	3557767 Gmdrm	hypo	CG	-0.32

Gm14	3559151	3559316 Gmdrm	hypo	CG	-0.5
Gm14	3583817	3584049 Gmdrm	hypo	CG	-0.04
Gm14	3589068	3589609 Gmdrm	hypo	CG	-0.4233
Gm14	3592293	3592387 Gmdrm	hypo	CG	-0.23
Gm14	3602886	3603109 Gmdrm	hypo	CG	-0.9322
Gm14	3603862	3603897 Gmdrm	hypo	CG	-0.8983
Gm14	3604022	3604030 Gmdrm	hypo	CG	-0.445
Gm14	3642256	3642493 Gmdrm	hypo	CG	-0.03
Gm14	3672072	3672096 Gmdrm	hypo	CG	-0.1167
Gm14	3714310	3714383 Gmdrm	hypo	CG	-0.3633
Gm14	3731917	3731979 Gmdrm	hypo	CG	-0.335
Gm14	3759127	3759314 Gmdrm	hypo	CG	-0.664
Gm14	3759489	3759683 Gmdrm	hypo	CG	-0.4983
Gm14	3759906	3760124 Gmdrm	hypo	CG	-0.4175
Gm14	3786001	3786228 Gmdrm	hypo	CG	-0.0417
Gm14	3812454	3812601 Gmdrm	hypo	CG	-0.7583
Gm14	3812744	3812752 Gmdrm	hypo	CG	-0.64
Gm14	3840556	3840726 Gmdrm	hypo	CG	-0.5262
Gm14	3840872	3840910 Gmdrm	hypo	CG	-0.5633
Gm14	3846111	3846240 Gmdrm	hypo	CG	-0.044
Gm14	3846575	3846668 Gmdrm	hypo	CG	-0.557
Gm14	3852693	3852835 Gmdrm	hypo	CG	-0.7325
Gm14	3852958	3853128 Gmdrm	hypo	CG	-0.459
Gm14	3857781	3857938 Gmdrm	hypo	CG	-0.65
Gm14	3861766	3861978 Gmdrm	hypo	CG	-0.5825
Gm14	3875903	3876202 Gmdrm	hypo	CG	-0.0357
Gm14	3877877	3878032 Gmdrm	hypo	CG	-0.845
Gm14	3878829	3879110 Gmdrm	hypo	CG	-0.065
Gm14	3897145	3897230 Gmdrm	hypo	CG	-0.7766
Gm14	3902463	3902852 Gmdrm	hypo	CG	-0.821
Gm14	3903251	3903517 Gmdrm	hypo	CG	-0.5284
Gm14	3938113	3938210 Gmdrm	hypo	CG	-0.715
Gm14	3972052	3972122 Gmdrm	hypo	CG	-0.9217
Gm14	4002915	4003085 Gmdrm	hypo	CG	-0.5719
Gm14	4003910	4003951 Gmdrm	hypo	CG	-0.595
Gm14	4035214	4035308 Gmdrm	hypo	CG	-0.582
Gm14	4056570	4056934 Gmdrm	hypo	CG	-0.1771
Gm14	4076512	4076600 Gmdrm	hypo	CG	-0.8993
Gm14	4076806	4076903 Gmdrm	hypo	CG	-0.684
Gm14	4080951	4081000 Gmdrm	hypo	CG	-0.7183
Gm14	4083600	4083735 Gmdrm	hypo	CG	-0.2969
Gm14	4089944	4090073 Gmdrm	hypo	CG	-0.1566
Gm14	4098254	4098265 Gmdrm	hypo	CG	-0.2684
Gm14	4109234	4109271 Gmdrm	hypo	CG	-0.7417
Gm14	4132579	4132736 Gmdrm	hypo	CG	-0.036
Gm14	4142689	4142843 Gmdrm	hypo	CG	-0.404

Gm14	4177580	4177652 Gmdrm	hypo	CG	-0.405
Gm14	4178007	4178256 Gmdrm	hypo	CG	-0.2711
Gm14	4184866	4184966 Gmdrm	hypo	CG	-0.3367
Gm14	4186344	4186842 Gmdrm	hypo	CG	-0.645
Gm14	4187625	4187986 Gmdrm	hypo	CG	-0.1487
Gm14	4216750	4216872 Gmdrm	hypo	CG	-0.3384
Gm14	4224270	4224472 Gmdrm	hypo	CG	-0.9745
Gm14	4243032	4243158 Gmdrm	hypo	CG	-0.6287
Gm14	4243306	4243506 Gmdrm	hypo	CG	-0.6329
Gm14	4243746	4243923 Gmdrm	hypo	CG	-0.1763
Gm14	4335454	4335578 Gmdrm	hypo	CG	-0.625
Gm14	4454422	4454724 Gmdrm	hypo	CG	-0.53
Gm14	4454864	4454912 Gmdrm	hypo	CG	-0.49
Gm14	4455423	4455576 Gmdrm	hypo	CG	-0.7387
Gm14	4455738	4455977 Gmdrm	hypo	CG	-0.8934
Gm14	4461390	4461454 Gmdrm	hypo	CG	-0.514
Gm14	4461910	4461991 Gmdrm	hypo	CG	-0.6617
Gm14	4464414	4464501 Gmdrm	hypo	CG	-0.91
Gm14	4474365	4474440 Gmdrm	hypo	CG	-0.0533
Gm14	4499881	4500105 Gmdrm	hypo	CG	-0.8325
Gm14	4500208	4500308 Gmdrm	hypo	CG	-0.6034
Gm14	4524394	4524470 Gmdrm	hypo	CG	-0.805
Gm14	4535986	4536133 Gmdrm	hypo	CG	-0.525
Gm14	4540937	4541002 Gmdrm	hypo	CG	-0.138
Gm14	4541717	4541822 Gmdrm	hypo	CG	-0.4363
Gm14	4548307	4548390 Gmdrm	hypo	CG	-0.1385
Gm14	4549565	4549711 Gmdrm	hypo	CG	-0.7588
Gm14	4567930	4568018 Gmdrm	hypo	CG	-0.7417
Gm14	4570037	4570504 Gmdrm	hypo	CG	-0.4284
Gm14	4571249	4571373 Gmdrm	hypo	CG	-0.7799
Gm14	4609242	4609709 Gmdrm	hypo	CG	-0.0446
Gm14	4621770	4621814 Gmdrm	hypo	CG	-0.428
Gm14	4642971	4643181 Gmdrm	hypo	CG	-0.7567
Gm14	4646849	4646926 Gmdrm	hypo	CG	-0.072
Gm14	4670741	4670799 Gmdrm	hypo	CG	-0.975
Gm14	4671010	4671082 Gmdrm	hypo	CG	-0.9775
Gm14	4692381	4692701 Gmdrm	hypo	CG	-0.807
Gm14	4727302	4727364 Gmdrm	hypo	CG	-0.122
Gm14	4735087	4735132 Gmdrm	hypo	CG	-0.1692
Gm14	4746462	4746498 Gmdrm	hypo	CG	-0.875
Gm14	4756681	4756869 Gmdrm	hypo	CG	-0.5916
Gm14	4761862	4761948 Gmdrm	hypo	CG	-0.9512
Gm14	4762205	4762482 Gmdrm	hypo	CG	-0.8864
Gm14	4773219	4773477 Gmdrm	hypo	CG	-0.5843
Gm14	4773649	4773892 Gmdrm	hypo	CG	-0.7725
Gm14	4873383	4873695 Gmdrm	hypo	CG	-0.192

Gm14	4873847	4874055 Gmdrm	hypo	CG	-0.2767
Gm14	4874741	4875239 Gmdrm	hypo	CG	-0.336
Gm14	4897826	4898194 Gmdrm	hypo	CG	-0.525
Gm14	4915973	4916005 Gmdrm	hypo	CG	-0.4967
Gm14	4916334	4916456 Gmdrm	hypo	CG	-0.5363
Gm14	4937281	4937426 Gmdrm	hypo	CG	-0.274
Gm14	4937536	4937625 Gmdrm	hypo	CG	-0.132
Gm14	4972345	4972588 Gmdrm	hypo	CG	-0.2565
Gm14	4980702	4980976 Gmdrm	hypo	CG	-0.7709
Gm14	5020391	5020816 Gmdrm	hypo	CG	-0.2528
Gm14	5021928	5022126 Gmdrm	hypo	CG	-0.8243
Gm14	5050585	5050681 Gmdrm	hypo	CG	-0.5412
Gm14	5054966	5055146 Gmdrm	hypo	CG	-0.3634
Gm14	5074040	5074247 Gmdrm	hypo	CG	-0.708
Gm14	5074650	5074739 Gmdrm	hypo	CG	-0.7525
Gm14	5083810	5083857 Gmdrm	hypo	CG	-0.0371
Gm14	5084161	5084212 Gmdrm	hypo	CG	-0.185
Gm14	5084362	5085034 Gmdrm	hypo	CG	-0.1779
Gm14	5107466	5107806 Gmdrm	hypo	CG	-0.0243
Gm14	5108646	5108711 Gmdrm	hypo	CG	-0.545
Gm14	5172827	5172927 Gmdrm	hypo	CG	-0.68
Gm14	5187719	5187751 Gmdrm	hypo	CG	-0.1775
Gm14	5188080	5188175 Gmdrm	hypo	CG	-0.793
Gm14	5207913	5208198 Gmdrm	hypo	CG	-0.8629
Gm14	5212740	5212871 Gmdrm	hypo	CG	-0.7433
Gm14	5225181	5225341 Gmdrm	hypo	CG	-0.9418
Gm14	5225448	5225587 Gmdrm	hypo	CG	-0.7959
Gm14	5275826	5275979 Gmdrm	hypo	CG	-0.3188
Gm14	5277457	5277674 Gmdrm	hypo	CG	-0.0581
Gm14	5337786	5337997 Gmdrm	hypo	CG	-0.4957
Gm14	5345573	5345740 Gmdrm	hypo	CG	-0.873
Gm14	5352667	5352763 Gmdrm	hypo	CG	-0.836
Gm14	5352882	5352910 Gmdrm	hypo	CG	-0.9883
Gm14	5366248	5366471 Gmdrm	hypo	CG	-0.1229
Gm14	5410923	5410982 Gmdrm	hypo	CG	-0.935
Gm14	5411134	5411347 Gmdrm	hypo	CG	-0.2688
Gm14	5411851	5412235 Gmdrm	hypo	CG	-0.0507
Gm14	5414401	5414764 Gmdrm	hypo	CG	-0.6606
Gm14	5416126	5416515 Gmdrm	hypo	CG	-0.2807
Gm14	5420268	5420358 Gmdrm	hypo	CG	-0.0469
Gm14	5420641	5420764 Gmdrm	hypo	CG	-0.7234
Gm14	5421106	5421188 Gmdrm	hypo	CG	-0.4583
Gm14	5425305	5425330 Gmdrm	hypo	CG	-0.3
Gm14	5437318	5437550 Gmdrm	hypo	CG	-0.4679
Gm14	5438837	5439262 Gmdrm	hypo	CG	-0.745
Gm14	5476037	5476219 Gmdrm	hypo	CG	-0.61

Gm14	5476618	5476665 Gmdrm	hypo	CG	-0.735
Gm14	5491090	5491265 Gmdrm	hypo	CG	-0.8599
Gm14	5496036	5496444 Gmdrm	hypo	CG	-0.9305
Gm14	5506396	5506779 Gmdrm	hypo	CG	-0.2854
Gm14	5509955	5510328 Gmdrm	hypo	CG	-0.31
Gm14	5517882	5518017 Gmdrm	hypo	CG	-0.5657
Gm14	5523439	5524151 Gmdrm	hypo	CG	-0.1426
Gm14	5525574	5526555 Gmdrm	hypo	CG	-0.2009
Gm14	5534465	5534612 Gmdrm	hypo	CG	-0.8727
Gm14	5563941	5564050 Gmdrm	hypo	CG	-0.6551
Gm14	5578328	5578569 Gmdrm	hypo	CG	-0.8167
Gm14	5608009	5608060 Gmdrm	hypo	CG	-0.8567
Gm14	5623568	5623620 Gmdrm	hypo	CG	-0.905
Gm14	5657398	5657665 Gmdrm	hypo	CG	-0.7845
Gm14	5657769	5657905 Gmdrm	hypo	CG	-0.5337
Gm14	5673811	5673857 Gmdrm	hypo	CG	-0.05
Gm14	5686613	5686785 Gmdrm	hypo	CG	-0.9434
Gm14	5708485	5708904 Gmdrm	hypo	CG	-0.3508
Gm14	5709052	5709119 Gmdrm	hypo	CG	-0.3067
Gm14	5709385	5709431 Gmdrm	hypo	CG	-0.3017
Gm14	5710020	5710406 Gmdrm	hypo	CG	-0.6915
Gm14	5713816	5713873 Gmdrm	hypo	CG	-0.9283
Gm14	5714237	5714309 Gmdrm	hypo	CG	-0.7566
Gm14	5723885	5723935 Gmdrm	hypo	CG	-0.385
Gm14	5739889	5739917 Gmdrm	hypo	CG	-0.2417
Gm14	5771008	5771521 Gmdrm	hypo	CG	-0.1248
Gm14	5774037	5774209 Gmdrm	hypo	CG	-0.0659
Gm14	5794282	5794419 Gmdrm	hypo	CG	-0.851
Gm14	5794530	5794647 Gmdrm	hypo	CG	-0.0817
Gm14	5826107	5826193 Gmdrm	hypo	CG	-0.8688
Gm14	5839809	5840088 Gmdrm	hypo	CG	-0.724
Gm14	5840210	5840353 Gmdrm	hypo	CG	-0.395
Gm14	5841207	5841425 Gmdrm	hypo	CG	-0.1943
Gm14	5852149	5852186 Gmdrm	hypo	CG	-0.5366
Gm14	5867803	5867920 Gmdrm	hypo	CG	-0.6333
Gm14	5911249	5911982 Gmdrm	hypo	CG	-0.3921
Gm14	5959721	5959926 Gmdrm	hypo	CG	-0.0467
Gm14	5965473	5965623 Gmdrm	hypo	CG	-0.326
Gm14	5966017	5966121 Gmdrm	hypo	CG	-0.6034
Gm14	5966893	5967253 Gmdrm	hypo	CG	-0.6895
Gm14	5975967	5976196 Gmdrm	hypo	CG	-0.5179
Gm14	5979389	5979529 Gmdrm	hypo	CG	-0.7183
Gm14	5999886	6000232 Gmdrm	hypo	CG	-0.8648
Gm14	6000770	6000817 Gmdrm	hypo	CG	-0.8233
Gm14	6012284	6012360 Gmdrm	hypo	CG	-0.9125
Gm14	6018272	6018412 Gmdrm	hypo	CG	-0.084

Gm14	6032593	6032817 Gmdrm	hypo	CG	-0.515
Gm14	6033975	6034076 Gmdrm	hypo	CG	-0.056
Gm14	6037357	6037660 Gmdrm	hypo	CG	-0.8104
Gm14	6042086	6042169 Gmdrm	hypo	CG	-0.59
Gm14	6042316	6042379 Gmdrm	hypo	CG	-0.4516
Gm14	6045124	6045251 Gmdrm	hypo	CG	-0.964
Gm14	6049783	6049877 Gmdrm	hypo	CG	-0.19
Gm14	6081135	6081229 Gmdrm	hypo	CG	-0.0991
Gm14	6092957	6093123 Gmdrm	hypo	CG	-0.035
Gm14	6122402	6122678 Gmdrm	hypo	CG	-0.524
Gm14	6128706	6128797 Gmdrm	hypo	CG	-0.8416
Gm14	6168071	6168175 Gmdrm	hypo	CG	-0.036
Gm14	6189981	6190168 Gmdrm	hypo	CG	-0.97
Gm14	6227452	6227479 Gmdrm	hypo	CG	-0.0916
Gm14	6229701	6229748 Gmdrm	hypo	CG	-0.943
Gm14	6232073	6232520 Gmdrm	hypo	CG	-0.9555
Gm14	6240776	6241045 Gmdrm	hypo	CG	-0.5645
Gm14	6244329	6244443 Gmdrm	hypo	CG	-0.1813
Gm14	6244678	6244940 Gmdrm	hypo	CG	-0.1667
Gm14	6285021	6285098 Gmdrm	hypo	CG	-0.913
Gm14	6286546	6287070 Gmdrm	hypo	CG	-0.9343
Gm14	6289404	6289529 Gmdrm	hypo	CG	-0.9288
Gm14	6290459	6290605 Gmdrm	hypo	CG	-0.2186
Gm14	6290795	6290842 Gmdrm	hypo	CG	-0.33
Gm14	6291212	6291555 Gmdrm	hypo	CG	-0.5846
Gm14	6291698	6291816 Gmdrm	hypo	CG	-0.485
Gm14	6297507	6297584 Gmdrm	hypo	CG	-0.3533
Gm14	6300162	6300265 Gmdrm	hypo	CG	-0.7733
Gm14	6316632	6316677 Gmdrm	hypo	CG	-0.0367
Gm14	6333707	6333803 Gmdrm	hypo	CG	-0.5243
Gm14	6334451	6334588 Gmdrm	hypo	CG	-0.762
Gm14	6347010	6347185 Gmdrm	hypo	CG	-0.07
Gm14	6348197	6348321 Gmdrm	hypo	CG	-0.96
Gm14	6372398	6372614 Gmdrm	hypo	CG	-0.6209
Gm14	6372798	6372956 Gmdrm	hypo	CG	-0.73
Gm14	6374039	6374414 Gmdrm	hypo	CG	-0.4823
Gm14	6376593	6376899 Gmdrm	hypo	CG	-0.6135
Gm14	6385777	6386325 Gmdrm	hypo	CG	-0.3932
Gm14	6388306	6388335 Gmdrm	hypo	CG	-0.07
Gm14	6389736	6390199 Gmdrm	hypo	CG	-0.6968
Gm14	6420620	6421068 Gmdrm	hypo	CG	-0.7687
Gm14	6424849	6425012 Gmdrm	hypo	CG	-0.5322
Gm14	6441534	6441932 Gmdrm	hypo	CG	-0.8627
Gm14	6442665	6442702 Gmdrm	hypo	CG	-0.3333
Gm14	6443330	6443544 Gmdrm	hypo	CG	-0.5786
Gm14	6458131	6458281 Gmdrm	hypo	CG	-0.8425

Gm14	6458392	6458461	Gmdrm	hypo	CG	-0.0576
Gm14	6461211	6461297	Gmdrm	hypo	CG	-0.4585
Gm14	6492817	6493256	Gmdrm	hypo	CG	-0.1052
Gm14	6498422	6498632	Gmdrm	hypo	CG	-0.5038
Gm14	6532146	6532237	Gmdrm	hypo	CG	-0.6388
Gm14	6544138	6544334	Gmdrm	hypo	CG	-0.6
Gm14	6556468	6556561	Gmdrm	hypo	CG	-0.04
Gm14	6565182	6565250	Gmdrm	hypo	CG	-0.915
Gm14	6565380	6565442	Gmdrm	hypo	CG	-0.92
Gm14	6579285	6579476	Gmdrm	hypo	CG	-0.662
Gm14	6579598	6579725	Gmdrm	hypo	CG	-0.6233
Gm14	6580812	6580970	Gmdrm	hypo	CG	-0.5087
Gm14	6583016	6583206	Gmdrm	hypo	CG	-0.0545
Gm14	6583963	6584056	Gmdrm	hypo	CG	-0.3741
Gm14	6628409	6628473	Gmdrm	hypo	CG	-0.072
Gm14	6650337	6650462	Gmdrm	hypo	CG	-0.6542
Gm14	6650719	6650931	Gmdrm	hypo	CG	-0.2461
Gm14	6658099	6658488	Gmdrm	hypo	CG	-0.7234
Gm14	6703323	6703642	Gmdrm	hypo	CG	-0.7912
Gm14	6706710	6706829	Gmdrm	hypo	CG	-0.4087
Gm14	6720896	6721119	Gmdrm	hypo	CG	-0.744
Gm14	6722501	6723164	Gmdrm	hypo	CG	-0.0781
Gm14	6723278	6723875	Gmdrm	hypo	CG	-0.7976
Gm14	6727969	6728099	Gmdrm	hypo	CG	-0.0475
Gm14	6742824	6742946	Gmdrm	hypo	CG	-0.83
Gm14	6743302	6743673	Gmdrm	hypo	CG	-0.2572
Gm14	6751093	6751285	Gmdrm	hypo	CG	-0.943
Gm14	6768235	6768267	Gmdrm	hypo	CG	-0.08
Gm14	6795967	6796244	Gmdrm	hypo	CG	-0.5411
Gm14	6820718	6821176	Gmdrm	hypo	CG	-0.2445
Gm14	6824190	6824344	Gmdrm	hypo	CG	-0.05
Gm14	6848088	6848390	Gmdrm	hypo	CG	-0.8764
Gm14	6857735	6857860	Gmdrm	hypo	CG	-0.6175
Gm14	6865459	6865615	Gmdrm	hypo	CG	-0.06
Gm14	6868811	6868963	Gmdrm	hypo	CG	-0.788
Gm14	6875716	6875738	Gmdrm	hypo	CG	-0.0933
Gm14	6875892	6876150	Gmdrm	hypo	CG	-0.8839
Gm14	6901803	6901976	Gmdrm	hypo	CG	-0.038
Gm14	6942664	6942743	Gmdrm	hypo	CG	-0.0975
Gm14	6950562	6950778	Gmdrm	hypo	CG	-0.8627
Gm14	6960893	6961230	Gmdrm	hypo	CG	-0.8056
Gm14	6961924	6962084	Gmdrm	hypo	CG	-0.288
Gm14	6981021	6981158	Gmdrm	hypo	CG	-0.9687
Gm14	7007823	7008199	Gmdrm	hypo	CG	-0.0925
Gm14	7015698	7015767	Gmdrm	hypo	CG	-0.0962
Gm14	7016430	7016620	Gmdrm	hypo	CG	-0.065

Gm14	7026403	7026500 Gmdrm	hypo	CG	-0.042
Gm14	7077532	7077556 Gmdrm	hypo	CG	-0.0363
Gm14	7077968	7078066 Gmdrm	hypo	CG	-0.7
Gm14	7095568	7095777 Gmdrm	hypo	CG	-0.054
Gm14	7097066	7097221 Gmdrm	hypo	CG	-0.9332
Gm14	7097467	7097512 Gmdrm	hypo	CG	-0.4033
Gm14	7100137	7100243 Gmdrm	hypo	CG	-0.5637
Gm14	7100620	7100782 Gmdrm	hypo	CG	-0.51
Gm14	7107492	7107688 Gmdrm	hypo	CG	-0.9649
Gm14	7111891	7111972 Gmdrm	hypo	CG	-0.9267
Gm14	7120787	7120894 Gmdrm	hypo	CG	-0.709
Gm14	7167507	7167537 Gmdrm	hypo	CG	-0.155
Gm14	7170862	7170945 Gmdrm	hypo	CG	-0.6633
Gm14	7180991	7181308 Gmdrm	hypo	CG	-0.4604
Gm14	7181570	7181666 Gmdrm	hypo	CG	-0.5813
Gm14	7194647	7194954 Gmdrm	hypo	CG	-0.8845
Gm14	7195906	7196104 Gmdrm	hypo	CG	-0.9482
Gm14	7212205	7212557 Gmdrm	hypo	CG	-0.7708
Gm14	7226204	7226399 Gmdrm	hypo	CG	-0.04
Gm14	7243019	7243075 Gmdrm	hypo	CG	-0.9383
Gm14	7243334	7243662 Gmdrm	hypo	CG	-0.3929
Gm14	7272958	7273169 Gmdrm	hypo	CG	-0.1318
Gm14	7293010	7293242 Gmdrm	hypo	CG	-0.7257
Gm14	7294144	7294338 Gmdrm	hypo	CG	-0.7744
Gm14	7294757	7294929 Gmdrm	hypo	CG	-0.0517
Gm14	7302683	7302754 Gmdrm	hypo	CG	-0.5816
Gm14	7303075	7303298 Gmdrm	hypo	CG	-0.0589
Gm14	7309847	7310139 Gmdrm	hypo	CG	-0.6606
Gm14	7324730	7324787 Gmdrm	hypo	CG	-0.877
Gm14	7338250	7338561 Gmdrm	hypo	CG	-0.3839
Gm14	7342366	7342446 Gmdrm	hypo	CG	-0.044
Gm14	7348464	7348516 Gmdrm	hypo	CG	-0.4267
Gm14	7356269	7356325 Gmdrm	hypo	CG	-0.9812
Gm14	7356530	7356594 Gmdrm	hypo	CG	-0.0467
Gm14	7383835	7384024 Gmdrm	hypo	CG	-0.9067
Gm14	7384186	7384424 Gmdrm	hypo	CG	-0.7936
Gm14	7385625	7385851 Gmdrm	hypo	CG	-0.834
Gm14	7385971	7386181 Gmdrm	hypo	CG	-0.685
Gm14	7405382	7405719 Gmdrm	hypo	CG	-0.6563
Gm14	7406663	7407111 Gmdrm	hypo	CG	-0.3522
Gm14	7407782	7407829 Gmdrm	hypo	CG	-0.9116
Gm14	7426791	7426982 Gmdrm	hypo	CG	-0.326
Gm14	7438250	7438412 Gmdrm	hypo	CG	-0.8451
Gm14	7456198	7456510 Gmdrm	hypo	CG	-0.6063
Gm14	7459491	7459665 Gmdrm	hypo	CG	-0.0858
Gm14	7460016	7460136 Gmdrm	hypo	CG	-0.5434

Gm14	7460261	7460293 Gmdrm	hypo	CG	-0.1216
Gm14	7460601	7460774 Gmdrm	hypo	CG	-0.3892
Gm14	7464561	7464758 Gmdrm	hypo	CG	-0.955
Gm14	7472340	7472721 Gmdrm	hypo	CG	-0.4715
Gm14	7478572	7478646 Gmdrm	hypo	CG	-0.8083
Gm14	7491794	7491965 Gmdrm	hypo	CG	-0.9272
Gm14	7494335	7494622 Gmdrm	hypo	CG	-0.6135
Gm14	7523712	7523824 Gmdrm	hypo	CG	-0.5033
Gm14	7525228	7525411 Gmdrm	hypo	CG	-0.2945
Gm14	7527404	7527540 Gmdrm	hypo	CG	-0.1
Gm14	7534852	7535078 Gmdrm	hypo	CG	-0.3345
Gm14	7547926	7548122 Gmdrm	hypo	CG	-0.0367
Gm14	7554154	7554514 Gmdrm	hypo	CG	-0.1124
Gm14	7555541	7555732 Gmdrm	hypo	CG	-0.04
Gm14	7562199	7562241 Gmdrm	hypo	CG	-0.6517
Gm14	7588448	7588625 Gmdrm	hypo	CG	-0.2603
Gm14	7608758	7608817 Gmdrm	hypo	CG	-0.9583
Gm14	7613181	7613443 Gmdrm	hypo	CG	-0.735
Gm14	7624888	7625098 Gmdrm	hypo	CG	-0.8509
Gm14	7625745	7625879 Gmdrm	hypo	CG	-0.668
Gm14	7637002	7637174 Gmdrm	hypo	CG	-0.7234
Gm14	7637328	7637387 Gmdrm	hypo	CG	-0.8683
Gm14	7640351	7640795 Gmdrm	hypo	CG	-0.6004
Gm14	7646441	7646530 Gmdrm	hypo	CG	-0.9434
Gm14	7653251	7653335 Gmdrm	hypo	CG	-0.866
Gm14	7662052	7662220 Gmdrm	hypo	CG	-0.6882
Gm14	7662744	7662866 Gmdrm	hypo	CG	-0.425
Gm14	7663512	7663648 Gmdrm	hypo	CG	-0.6717
Gm14	7675645	7675679 Gmdrm	hypo	CG	-0.6483
Gm14	7685064	7685130 Gmdrm	hypo	CG	-0.7333
Gm14	7688606	7688766 Gmdrm	hypo	CG	-0.7262
Gm14	7695427	7695654 Gmdrm	hypo	CG	-0.9262
Gm14	7712185	7712379 Gmdrm	hypo	CG	-0.7274
Gm14	7713343	7713517 Gmdrm	hypo	CG	-0.0885
Gm14	7734193	7734426 Gmdrm	hypo	CG	-0.785
Gm14	7759890	7760233 Gmdrm	hypo	CG	-0.8879
Gm14	7787079	7787195 Gmdrm	hypo	CG	-0.5141
Gm14	7788131	7788362 Gmdrm	hypo	CG	-0.339
Gm14	7789294	7789566 Gmdrm	hypo	CG	-0.4964
Gm14	7789779	7789923 Gmdrm	hypo	CG	-0.7579
Gm14	7802564	7802958 Gmdrm	hypo	CG	-0.5724
Gm14	7803146	7803400 Gmdrm	hypo	CG	-0.3308
Gm14	7815757	7816016 Gmdrm	hypo	CG	-0.5778
Gm14	7831943	7831956 Gmdrm	hypo	CG	-0.8283
Gm14	7850743	7851049 Gmdrm	hypo	CG	-0.4695
Gm14	7869863	7870262 Gmdrm	hypo	CG	-0.78

Gm14	7881364	7881517 Gmdrm	hypo	CG	-0.4728
Gm14	7895838	7896112 Gmdrm	hypo	CG	-0.358
Gm14	7940489	7940629 Gmdrm	hypo	CG	-0.7968
Gm14	7947207	7947271 Gmdrm	hypo	CG	-0.324
Gm14	7947430	7947720 Gmdrm	hypo	CG	-0.6244
Gm14	7992190	7992287 Gmdrm	hypo	CG	-0.119
Gm14	7992647	7992937 Gmdrm	hypo	CG	-0.7993
Gm14	8004681	8005237 Gmdrm	hypo	CG	-0.3377
Gm14	8005369	8005472 Gmdrm	hypo	CG	-0.962
Gm14	8007503	8007528 Gmdrm	hypo	CG	-0.49
Gm14	8032542	8032865 Gmdrm	hypo	CG	-0.0386
Gm14	8033731	8033840 Gmdrm	hypo	CG	-0.043
Gm14	8077526	8078025 Gmdrm	hypo	CG	-0.0931
Gm14	8090419	8090552 Gmdrm	hypo	CG	-0.2733
Gm14	8090713	8091160 Gmdrm	hypo	CG	-0.2206
Gm14	8103362	8103389 Gmdrm	hypo	CG	-0.858
Gm14	8155886	8156011 Gmdrm	hypo	CG	-0.654
Gm14	8156366	8156492 Gmdrm	hypo	CG	-0.6128
Gm14	8165457	8165774 Gmdrm	hypo	CG	-0.223
Gm14	8168659	8168831 Gmdrm	hypo	CG	-0.618
Gm14	8172683	8172730 Gmdrm	hypo	CG	-0.12
Gm14	8177145	8177376 Gmdrm	hypo	CG	-0.46
Gm14	8196437	8196554 Gmdrm	hypo	CG	-0.1287
Gm14	8210932	8211114 Gmdrm	hypo	CG	-0.6613
Gm14	8212329	8212393 Gmdrm	hypo	CG	-0.1463
Gm14	8213693	8213731 Gmdrm	hypo	CG	-0.757
Gm14	8222096	8222257 Gmdrm	hypo	CG	-0.2072
Gm14	8223035	8223122 Gmdrm	hypo	CG	-0.8587
Gm14	8225884	8225930 Gmdrm	hypo	CG	-0.4
Gm14	8227784	8227908 Gmdrm	hypo	CG	-0.7367
Gm14	8261953	8262056 Gmdrm	hypo	CG	-0.5633
Gm14	8262221	8262318 Gmdrm	hypo	CG	-0.5364
Gm14	8265467	8265576 Gmdrm	hypo	CG	-0.3492
Gm14	8272360	8272393 Gmdrm	hypo	CG	-0.2087
Gm14	8297682	8297904 Gmdrm	hypo	CG	-0.0339
Gm14	8298935	8298974 Gmdrm	hypo	CG	-0.6717
Gm14	8316237	8316388 Gmdrm	hypo	CG	-0.5512
Gm14	8318789	8318962 Gmdrm	hypo	CG	-0.03
Gm14	8319363	8319762 Gmdrm	hypo	CG	-0.9531
Gm14	8324703	8324788 Gmdrm	hypo	CG	-0.034
Gm14	8325351	8325534 Gmdrm	hypo	CG	-0.0314
Gm14	8338139	8338329 Gmdrm	hypo	CG	-0.546
Gm14	8354186	8354326 Gmdrm	hypo	CG	-0.9191
Gm14	8365244	8365344 Gmdrm	hypo	CG	-0.1943
Gm14	8418009	8418045 Gmdrm	hypo	CG	-0.885
Gm14	8424864	8425174 Gmdrm	hypo	CG	-0.0416

Gm14	8432856	8432964	Gmdrm	hypo	CG	-0.7983
Gm14	8440824	8440896	Gmdrm	hypo	CG	-0.8938
Gm14	8441032	8441188	Gmdrm	hypo	CG	-0.4962
Gm14	8454668	8454822	Gmdrm	hypo	CG	-0.756
Gm14	8458425	8458492	Gmdrm	hypo	CG	-0.9016
Gm14	8478942	8479059	Gmdrm	hypo	CG	-0.2644
Gm14	8490565	8490597	Gmdrm	hypo	CG	-0.2713
Gm14	8490749	8490961	Gmdrm	hypo	CG	-0.3945
Gm14	8496500	8496707	Gmdrm	hypo	CG	-0.7425
Gm14	8497523	8497616	Gmdrm	hypo	CG	-0.884
Gm14	8497768	8498128	Gmdrm	hypo	CG	-0.8135
Gm14	8563511	8563742	Gmdrm	hypo	CG	-0.0437
Gm14	8566006	8566092	Gmdrm	hypo	CG	-0.655
Gm14	8579456	8579540	Gmdrm	hypo	CG	-0.8101
Gm14	8580059	8580196	Gmdrm	hypo	CG	-0.4812
Gm14	8601832	8601888	Gmdrm	hypo	CG	-0.061
Gm14	8615428	8615495	Gmdrm	hypo	CG	-0.1417
Gm14	8639159	8639282	Gmdrm	hypo	CG	-0.469
Gm14	8655441	8655649	Gmdrm	hypo	CG	-0.559
Gm14	8663567	8663611	Gmdrm	hypo	CG	-0.8734
Gm14	8674324	8674460	Gmdrm	hypo	CG	-0.5233
Gm14	8675065	8675210	Gmdrm	hypo	CG	-0.44
Gm14	8675721	8675808	Gmdrm	hypo	CG	-0.5366
Gm14	8682216	8682534	Gmdrm	hypo	CG	-0.1536
Gm14	8682837	8682928	Gmdrm	hypo	CG	-0.445
Gm14	8683686	8683784	Gmdrm	hypo	CG	-0.7866
Gm14	8684010	8684461	Gmdrm	hypo	CG	-0.8923
Gm14	8688825	8689241	Gmdrm	hypo	CG	-0.53
Gm14	8691052	8691179	Gmdrm	hypo	CG	-0.2416
Gm14	8692830	8693273	Gmdrm	hypo	CG	-0.5031
Gm14	8710922	8711033	Gmdrm	hypo	CG	-0.052
Gm14	8715177	8715489	Gmdrm	hypo	CG	-0.28
Gm14	8716873	8717075	Gmdrm	hypo	CG	-0.3645
Gm14	8719796	8719909	Gmdrm	hypo	CG	-0.92
Gm14	8722050	8722182	Gmdrm	hypo	CG	-0.9583
Gm14	8729526	8729617	Gmdrm	hypo	CG	-0.195
Gm14	8736882	8736948	Gmdrm	hypo	CG	-0.0767
Gm14	8779255	8779562	Gmdrm	hypo	CG	-0.6278
Gm14	8789092	8789205	Gmdrm	hypo	CG	-0.918
Gm14	8809318	8809342	Gmdrm	hypo	CG	-0.8316
Gm14	8812629	8812655	Gmdrm	hypo	CG	-0.3184
Gm14	8828478	8828748	Gmdrm	hypo	CG	-0.5243
Gm14	8829312	8829548	Gmdrm	hypo	CG	-0.2108
Gm14	8833378	8833636	Gmdrm	hypo	CG	-0.7981
Gm14	8836940	8837118	Gmdrm	hypo	CG	-0.3195
Gm14	8837236	8837313	Gmdrm	hypo	CG	-0.479

Gm14	8858175	8858184	Gmdrm	hypo	CG	-0.1017
Gm14	8884869	8884931	Gmdrm	hypo	CG	-0.611
Gm14	8900770	8900826	Gmdrm	hypo	CG	-0.7717
Gm14	8904746	8904832	Gmdrm	hypo	CG	-0.59
Gm14	8920747	8920909	Gmdrm	hypo	CG	-0.9237
Gm14	8924432	8924873	Gmdrm	hypo	CG	-0.3646
Gm14	8960440	8960605	Gmdrm	hypo	CG	-0.035
Gm14	8963722	8963916	Gmdrm	hypo	CG	-0.885
Gm14	8964465	8964713	Gmdrm	hypo	CG	-0.2994
Gm14	8965629	8965730	Gmdrm	hypo	CG	-0.1343
Gm14	8966564	8966593	Gmdrm	hypo	CG	-0.87
Gm14	8976879	8976979	Gmdrm	hypo	CG	-0.514
Gm14	8994039	8994260	Gmdrm	hypo	CG	-0.0757
Gm14	9022631	9022971	Gmdrm	hypo	CG	-0.525
Gm14	9079524	9079701	Gmdrm	hypo	CG	-0.2017
Gm14	9086242	9086735	Gmdrm	hypo	CG	-0.1017
Gm14	9094541	9094553	Gmdrm	hypo	CG	-0.125
Gm14	9097396	9097518	Gmdrm	hypo	CG	-0.79
Gm14	9097706	9097954	Gmdrm	hypo	CG	-0.8542
Gm14	9098369	9098402	Gmdrm	hypo	CG	-0.3062
Gm14	9107581	9107877	Gmdrm	hypo	CG	-0.0772
Gm14	9117984	9118201	Gmdrm	hypo	CG	-0.9578
Gm14	9121292	9121467	Gmdrm	hypo	CG	-0.543
Gm14	9122308	9122440	Gmdrm	hypo	CG	-0.2118
Gm14	9149932	9150107	Gmdrm	hypo	CG	-0.8058
Gm14	9184813	9185013	Gmdrm	hypo	CG	-0.7426
Gm14	9185314	9185940	Gmdrm	hypo	CG	-0.88
Gm14	9199401	9199677	Gmdrm	hypo	CG	-0.1683
Gm14	9229282	9229703	Gmdrm	hypo	CG	-0.6731
Gm14	9252162	9252428	Gmdrm	hypo	CG	-0.507
Gm14	9256314	9256646	Gmdrm	hypo	CG	-0.21
Gm14	9258701	9258862	Gmdrm	hypo	CG	-0.5362
Gm14	9262683	9262734	Gmdrm	hypo	CG	-0.3833
Gm14	9268276	9268655	Gmdrm	hypo	CG	-0.0742
Gm14	9269671	9269684	Gmdrm	hypo	CG	-0.4613
Gm14	9272836	9273093	Gmdrm	hypo	CG	-0.4106
Gm14	9274821	9275115	Gmdrm	hypo	CG	-0.242
Gm14	9302364	9303084	Gmdrm	hypo	CG	-0.1074
Gm14	9311302	9311549	Gmdrm	hypo	CG	-0.6867
Gm14	9312046	9312323	Gmdrm	hypo	CG	-0.1246
Gm14	9325148	9325285	Gmdrm	hypo	CG	-0.032
Gm14	9329129	9329491	Gmdrm	hypo	CG	-0.0857
Gm14	9335088	9335140	Gmdrm	hypo	CG	-0.17
Gm14	9335807	9335842	Gmdrm	hypo	CG	-0.9717
Gm14	9336531	9336838	Gmdrm	hypo	CG	-0.19
Gm14	9336965	9337024	Gmdrm	hypo	CG	-0.338

Gm14	9340611	9341089	Gmdrm	hypo	CG	-0.082
Gm14	9362540	9362688	Gmdrm	hypo	CG	-0.8175
Gm14	9366973	9367222	Gmdrm	hypo	CG	-0.04
Gm14	9373895	9374062	Gmdrm	hypo	CG	-0.4388
Gm14	9383183	9383343	Gmdrm	hypo	CG	-0.6313
Gm14	9383505	9383698	Gmdrm	hypo	CG	-0.9276
Gm14	9383823	9383924	Gmdrm	hypo	CG	-0.9
Gm14	9405968	9406287	Gmdrm	hypo	CG	-0.8641
Gm14	9412014	9412384	Gmdrm	hypo	CG	-0.2124
Gm14	9443411	9443496	Gmdrm	hypo	CG	-0.7867
Gm14	9447447	9447555	Gmdrm	hypo	CG	-0.72
Gm14	9451168	9451402	Gmdrm	hypo	CG	-0.7917
Gm14	9463526	9463603	Gmdrm	hypo	CG	-0.38
Gm14	9463738	9463836	Gmdrm	hypo	CG	-0.6367
Gm14	9539864	9539980	Gmdrm	hypo	CG	-0.05
Gm14	9544792	9544935	Gmdrm	hypo	CG	-0.415
Gm14	9629820	9629876	Gmdrm	hypo	CG	-0.034
Gm14	9634828	9634974	Gmdrm	hypo	CG	-0.2625
Gm14	9636930	9637031	Gmdrm	hypo	CG	-0.7633
Gm14	9660844	9660913	Gmdrm	hypo	CG	-0.04
Gm14	9668309	9668359	Gmdrm	hypo	CG	-0.14
Gm14	9724624	9724791	Gmdrm	hypo	CG	-0.4961
Gm14	9725615	9726173	Gmdrm	hypo	CG	-0.1421
Gm14	9747494	9747887	Gmdrm	hypo	CG	-0.1268
Gm14	9748801	9748950	Gmdrm	hypo	CG	-0.4409
Gm14	9753992	9754049	Gmdrm	hypo	CG	-0.86
Gm14	9764086	9764578	Gmdrm	hypo	CG	-0.2777
Gm14	9764768	9764890	Gmdrm	hypo	CG	-0.367
Gm14	9767364	9767428	Gmdrm	hypo	CG	-0.935
Gm14	9767731	9768085	Gmdrm	hypo	CG	-0.728
Gm14	9777784	9777988	Gmdrm	hypo	CG	-0.246
Gm14	9780749	9780811	Gmdrm	hypo	CG	-0.145
Gm14	9784663	9784851	Gmdrm	hypo	CG	-0.527
Gm14	9785040	9785184	Gmdrm	hypo	CG	-0.7684
Gm14	9785356	9785438	Gmdrm	hypo	CG	-0.75
Gm14	9793038	9793155	Gmdrm	hypo	CG	-0.1137
Gm14	9814705	9814884	Gmdrm	hypo	CG	-0.032
Gm14	9829017	9829129	Gmdrm	hypo	CG	-0.9614
Gm14	9829369	9829529	Gmdrm	hypo	CG	-0.5417
Gm14	9831817	9831859	Gmdrm	hypo	CG	-0.8967
Gm14	9832016	9832231	Gmdrm	hypo	CG	-0.7729
Gm14	9887511	9887707	Gmdrm	hypo	CG	-0.7517
Gm14	9891567	9891745	Gmdrm	hypo	CG	-0.3108
Gm14	9919287	9919368	Gmdrm	hypo	CG	-0.9333
Gm14	9938470	9938533	Gmdrm	hypo	CG	-0.0275
Gm14	9955261	9955372	Gmdrm	hypo	CG	-0.047

Gm14	9958622	9958793	Gmdrm	hypo	CG	-0.121
Gm14	9972004	9972120	Gmdrm	hypo	CG	-0.81
Gm14	9978141	9978243	Gmdrm	hypo	CG	-0.0637
Gm14	9986448	9986479	Gmdrm	hypo	CG	-0.795
Gm14	9995675	9995863	Gmdrm	hypo	CG	-0.1
Gm14	10017303	10017421	Gmdrm	hypo	CG	-0.4575
Gm14	10018379	10018827	Gmdrm	hypo	CG	-0.0446
Gm14	10055978	10056358	Gmdrm	hypo	CG	-0.1634
Gm14	10084873	10084963	Gmdrm	hypo	CG	-0.046
Gm14	10089067	10089454	Gmdrm	hypo	CG	-0.2239
Gm14	10100387	10100586	Gmdrm	hypo	CG	-0.06
Gm14	10127459	10127670	Gmdrm	hypo	CG	-0.4934
Gm14	10176071	10176339	Gmdrm	hypo	CG	-0.0472
Gm14	10193865	10194216	Gmdrm	hypo	CG	-0.052
Gm14	10278880	10279068	Gmdrm	hypo	CG	-0.0371
Gm14	10282711	10282973	Gmdrm	hypo	CG	-0.3525
Gm14	10283544	10283786	Gmdrm	hypo	CG	-0.4231
Gm14	10284121	10284342	Gmdrm	hypo	CG	-0.813
Gm14	10301827	10301865	Gmdrm	hypo	CG	-0.6
Gm14	10331593	10331716	Gmdrm	hypo	CG	-0.7986
Gm14	10336157	10336228	Gmdrm	hypo	CG	-0.796
Gm14	10381886	10381996	Gmdrm	hypo	CG	-0.27
Gm14	10382144	10382391	Gmdrm	hypo	CG	-0.2831
Gm14	10391359	10391439	Gmdrm	hypo	CG	-0.6884
Gm14	10395050	10395226	Gmdrm	hypo	CG	-0.129
Gm14	10398932	10399587	Gmdrm	hypo	CG	-0.1685
Gm14	10402738	10402963	Gmdrm	hypo	CG	-0.336
Gm14	10406287	10406383	Gmdrm	hypo	CG	-0.8138
Gm14	10418567	10418681	Gmdrm	hypo	CG	-0.595
Gm14	10430836	10431208	Gmdrm	hypo	CG	-0.6425
Gm14	10474552	10474671	Gmdrm	hypo	CG	-0.09
Gm14	10512221	10512384	Gmdrm	hypo	CG	-0.4986
Gm14	10514561	10514666	Gmdrm	hypo	CG	-0.264
Gm14	10515467	10515567	Gmdrm	hypo	CG	-0.6067
Gm14	10518398	10518459	Gmdrm	hypo	CG	-0.8584
Gm14	10519230	10519287	Gmdrm	hypo	CG	-0.9583
Gm14	10535753	10535867	Gmdrm	hypo	CG	-0.0592
Gm14	10549076	10549268	Gmdrm	hypo	CG	-0.9317
Gm14	10550370	10550730	Gmdrm	hypo	CG	-0.7979
Gm14	10563788	10563930	Gmdrm	hypo	CG	-0.0944
Gm14	10575849	10576250	Gmdrm	hypo	CG	-0.0569
Gm14	10598801	10599027	Gmdrm	hypo	CG	-0.375
Gm14	10599156	10599584	Gmdrm	hypo	CG	-0.1047
Gm14	10638479	10638633	Gmdrm	hypo	CG	-0.041
Gm14	10665876	10666613	Gmdrm	hypo	CG	-0.0608
Gm14	10700712	10700750	Gmdrm	hypo	CG	-0.8025

Gm14	10701436	10701587	Gmdrm	hypo	CG	-0.1307
Gm14	10702918	10702970	Gmdrm	hypo	CG	-0.6767
Gm14	10711392	10711630	Gmdrm	hypo	CG	-0.1
Gm14	10724418	10724443	Gmdrm	hypo	CG	-0.3767
Gm14	10755932	10755989	Gmdrm	hypo	CG	-0.91
Gm14	10756106	10756432	Gmdrm	hypo	CG	-0.2856
Gm14	10756649	10756834	Gmdrm	hypo	CG	-0.2295
Gm14	10769983	10770091	Gmdrm	hypo	CG	-0.1284
Gm14	10799763	10800690	Gmdrm	hypo	CG	-0.0277
Gm14	10801550	10801739	Gmdrm	hypo	CG	-0.136
Gm14	10809278	10809699	Gmdrm	hypo	CG	-0.0247
Gm14	10898386	10898443	Gmdrm	hypo	CG	-0.0683
Gm14	10942114	10943028	Gmdrm	hypo	CG	-0.0368
Gm14	10957861	10957907	Gmdrm	hypo	CG	-0.05
Gm14	10959874	10960638	Gmdrm	hypo	CG	-0.0359
Gm14	10961039	10961163	Gmdrm	hypo	CG	-0.4662
Gm14	10961804	10961922	Gmdrm	hypo	CG	-0.125
Gm14	10962050	10962296	Gmdrm	hypo	CG	-0.0714
Gm14	10963843	10964146	Gmdrm	hypo	CG	-0.23
Gm14	10964276	10964711	Gmdrm	hypo	CG	-0.59
Gm14	10980594	10980873	Gmdrm	hypo	CG	-0.9381
Gm14	10981960	10982061	Gmdrm	hypo	CG	-0.0317
Gm14	10992656	10992830	Gmdrm	hypo	CG	-0.1529
Gm14	11003270	11003755	Gmdrm	hypo	CG	-0.2762
Gm14	11005738	11005834	Gmdrm	hypo	CG	-0.047
Gm14	11034432	11034818	Gmdrm	hypo	CG	-0.1325
Gm14	11040905	11040978	Gmdrm	hypo	CG	-0.245
Gm14	11076192	11076350	Gmdrm	hypo	CG	-0.805
Gm14	11076626	11076758	Gmdrm	hypo	CG	-0.5914
Gm14	11119772	11119980	Gmdrm	hypo	CG	-0.954
Gm14	11241448	11241595	Gmdrm	hypo	CG	-0.0637
Gm14	11301155	11301243	Gmdrm	hypo	CG	-0.9145
Gm14	11304114	11304204	Gmdrm	hypo	CG	-0.085
Gm14	11305456	11305859	Gmdrm	hypo	CG	-0.11
Gm14	11342420	11342530	Gmdrm	hypo	CG	-0.762
Gm14	11360842	11360945	Gmdrm	hypo	CG	-0.0413
Gm14	11365321	11365352	Gmdrm	hypo	CG	-0.4433
Gm14	11469447	11469613	Gmdrm	hypo	CG	-0.3566
Gm14	11487993	11488504	Gmdrm	hypo	CG	-0.5125
Gm14	11488934	11489042	Gmdrm	hypo	CG	-0.845
Gm14	11504399	11504929	Gmdrm	hypo	CG	-0.1938
Gm14	11506525	11506714	Gmdrm	hypo	CG	-0.8814
Gm14	11507579	11507820	Gmdrm	hypo	CG	-0.8495
Gm14	11514454	11514529	Gmdrm	hypo	CG	-0.945
Gm14	11520769	11521104	Gmdrm	hypo	CG	-0.6762
Gm14	11522409	11522550	Gmdrm	hypo	CG	-0.4211

Gm14	11522806	11522915	Gmdrm	hypo	CG	-0.3977
Gm14	11525233	11525550	Gmdrm	hypo	CG	-0.1504
Gm14	11527582	11528244	Gmdrm	hypo	CG	-0.6465
Gm14	11539355	11539483	Gmdrm	hypo	CG	-0.05
Gm14	11583169	11583591	Gmdrm	hypo	CG	-0.0597
Gm14	11622097	11622135	Gmdrm	hypo	CG	-0.35
Gm14	11633168	11633260	Gmdrm	hypo	CG	-0.495
Gm14	11641381	11641394	Gmdrm	hypo	CG	-0.1266
Gm14	11658520	11658573	Gmdrm	hypo	CG	-0.7983
Gm14	11662175	11663161	Gmdrm	hypo	CG	-0.0297
Gm14	11669727	11669777	Gmdrm	hypo	CG	-0.9633
Gm14	11675100	11675199	Gmdrm	hypo	CG	-0.2029
Gm14	11749121	11749411	Gmdrm	hypo	CG	-0.0554
Gm14	11791843	11791891	Gmdrm	hypo	CG	-0.1857
Gm14	11906856	11906979	Gmdrm	hypo	CG	-0.1517
Gm14	12020150	12020292	Gmdrm	hypo	CG	-0.1245
Gm14	12043667	12043818	Gmdrm	hypo	CG	-0.0437
Gm14	12089578	12089661	Gmdrm	hypo	CG	-0.081
Gm14	12162344	12162690	Gmdrm	hypo	CG	-0.0438
Gm14	12172416	12172498	Gmdrm	hypo	CG	-0.2833
Gm14	12172652	12172762	Gmdrm	hypo	CG	-0.3387
Gm14	12178090	12178332	Gmdrm	hypo	CG	-0.0693
Gm14	12255845	12256033	Gmdrm	hypo	CG	-0.8512
Gm14	12264959	12265043	Gmdrm	hypo	CG	-0.8517
Gm14	12268046	12268456	Gmdrm	hypo	CG	-0.032
Gm14	12272950	12273032	Gmdrm	hypo	CG	-0.2683
Gm14	12278239	12278337	Gmdrm	hypo	CG	-0.266
Gm14	12278450	12278601	Gmdrm	hypo	CG	-0.853
Gm14	12279187	12279419	Gmdrm	hypo	CG	-0.0837
Gm14	12297704	12297779	Gmdrm	hypo	CG	-0.106
Gm14	12302210	12302445	Gmdrm	hypo	CG	-0.13
Gm14	12399609	12399762	Gmdrm	hypo	CG	-0.2328
Gm14	12420574	12420662	Gmdrm	hypo	CG	-0.1637
Gm14	12465969	12465982	Gmdrm	hypo	CG	-0.6983
Gm14	12481693	12481850	Gmdrm	hypo	CG	-0.0483
Gm14	12504898	12505045	Gmdrm	hypo	CG	-0.226
Gm14	12509631	12509727	Gmdrm	hypo	CG	-0.4416
Gm14	12509832	12509942	Gmdrm	hypo	CG	-0.606
Gm14	12517324	12517655	Gmdrm	hypo	CG	-0.0644
Gm14	12584811	12585041	Gmdrm	hypo	CG	-0.0308
Gm14	12648339	12648416	Gmdrm	hypo	CG	-0.4
Gm14	12663762	12663999	Gmdrm	hypo	CG	-0.0615
Gm14	12772221	12772581	Gmdrm	hypo	CG	-0.579
Gm14	12774517	12774549	Gmdrm	hypo	CG	-0.8467
Gm14	12776665	12776899	Gmdrm	hypo	CG	-0.216
Gm14	12810620	12810698	Gmdrm	hypo	CG	-0.452

Gm14	12811376	12811596	Gmdrm	hypo	CG	-0.7228
Gm14	12811893	12812468	Gmdrm	hypo	CG	-0.1067
Gm14	12833181	12833318	Gmdrm	hypo	CG	-0.826
Gm14	12833586	12833735	Gmdrm	hypo	CG	-0.1425
Gm14	12839109	12839185	Gmdrm	hypo	CG	-0.4526
Gm14	12847732	12847840	Gmdrm	hypo	CG	-0.341
Gm14	12855013	12855302	Gmdrm	hypo	CG	-0.1308
Gm14	12859355	12859696	Gmdrm	hypo	CG	-0.32
Gm14	12861074	12861272	Gmdrm	hypo	CG	-0.769
Gm14	12861392	12861702	Gmdrm	hypo	CG	-0.8707
Gm14	12870660	12870798	Gmdrm	hypo	CG	-0.27
Gm14	12887648	12887740	Gmdrm	hypo	CG	-0.9692
Gm14	12895499	12895881	Gmdrm	hypo	CG	-0.1204
Gm14	12899123	12899158	Gmdrm	hypo	CG	-0.59
Gm14	12910505	12910565	Gmdrm	hypo	CG	-0.5984
Gm14	12911272	12911405	Gmdrm	hypo	CG	-0.3413
Gm14	12914148	12914267	Gmdrm	hypo	CG	-0.0743
Gm14	12919179	12919290	Gmdrm	hypo	CG	-0.24
Gm14	12921893	12921949	Gmdrm	hypo	CG	-0.634
Gm14	12924408	12924574	Gmdrm	hypo	CG	-0.5817
Gm14	12927357	12927589	Gmdrm	hypo	CG	-0.7517
Gm14	12927728	12927790	Gmdrm	hypo	CG	-0.7734
Gm14	12927964	12928205	Gmdrm	hypo	CG	-0.2971
Gm14	12931619	12931935	Gmdrm	hypo	CG	-0.9663
Gm14	12932037	12932112	Gmdrm	hypo	CG	-0.8625
Gm14	12935589	12935691	Gmdrm	hypo	CG	-0.555
Gm14	12938349	12938512	Gmdrm	hypo	CG	-0.6293
Gm14	12938887	12939070	Gmdrm	hypo	CG	-0.427
Gm14	12942753	12942891	Gmdrm	hypo	CG	-0.2167
Gm14	12943983	12944038	Gmdrm	hypo	CG	-0.974
Gm14	12945551	12945692	Gmdrm	hypo	CG	-0.7809
Gm14	12945838	12945909	Gmdrm	hypo	CG	-0.87
Gm14	12958348	12958645	Gmdrm	hypo	CG	-0.0321
Gm14	12966311	12966511	Gmdrm	hypo	CG	-0.1118
Gm14	12984681	12984814	Gmdrm	hypo	CG	-0.0433
Gm14	12989101	12989372	Gmdrm	hypo	CG	-0.5793
Gm14	12991745	12991800	Gmdrm	hypo	CG	-0.066
Gm14	13006104	13006703	Gmdrm	hypo	CG	-0.0296
Gm14	13041934	13042070	Gmdrm	hypo	CG	-0.228
Gm14	13042279	13042520	Gmdrm	hypo	CG	-0.3715
Gm14	13056168	13056237	Gmdrm	hypo	CG	-0.5167
Gm14	13056401	13056441	Gmdrm	hypo	CG	-0.7649
Gm14	13103508	13103602	Gmdrm	hypo	CG	-0.5434
Gm14	13103732	13103919	Gmdrm	hypo	CG	-0.399
Gm14	13107866	13108368	Gmdrm	hypo	CG	-0.0444
Gm14	13154189	13154305	Gmdrm	hypo	CG	-0.5183

Gm14	13154752	13154833	Gmdrm	hypo	CG	-0.6013
Gm14	13179459	13179645	Gmdrm	hypo	CG	-0.0634
Gm14	13192038	13192246	Gmdrm	hypo	CG	-0.1822
Gm14	13198893	13199010	Gmdrm	hypo	CG	-0.94
Gm14	13206412	13206503	Gmdrm	hypo	CG	-0.898
Gm14	13206609	13206855	Gmdrm	hypo	CG	-0.805
Gm14	13209317	13209377	Gmdrm	hypo	CG	-0.625
Gm14	13209675	13209940	Gmdrm	hypo	CG	-0.24
Gm14	13210495	13210522	Gmdrm	hypo	CG	-0.4217
Gm14	13212919	13213142	Gmdrm	hypo	CG	-0.421
Gm14	13213527	13213694	Gmdrm	hypo	CG	-0.1664
Gm14	13232169	13232196	Gmdrm	hypo	CG	-0.8267
Gm14	13232397	13232493	Gmdrm	hypo	CG	-0.4367
Gm14	13297788	13297855	Gmdrm	hypo	CG	-0.1383
Gm14	13331963	13332126	Gmdrm	hypo	CG	-0.6575
Gm14	13339388	13339502	Gmdrm	hypo	CG	-0.4
Gm14	13375679	13375992	Gmdrm	hypo	CG	-0.9396
Gm14	13429444	13429518	Gmdrm	hypo	CG	-0.4512
Gm14	13504092	13504441	Gmdrm	hypo	CG	-0.065
Gm14	13512191	13512638	Gmdrm	hypo	CG	-0.0779
Gm14	13524293	13524436	Gmdrm	hypo	CG	-0.934
Gm14	13542172	13542430	Gmdrm	hypo	CG	-0.9189
Gm14	13543380	13543769	Gmdrm	hypo	CG	-0.6344
Gm14	13544336	13544603	Gmdrm	hypo	CG	-0.6709
Gm14	13578938	13579388	Gmdrm	hypo	CG	-0.0418
Gm14	13599726	13600313	Gmdrm	hypo	CG	-0.0685
Gm14	13613321	13613834	Gmdrm	hypo	CG	-0.0441
Gm14	13620234	13620391	Gmdrm	hypo	CG	-0.058
Gm14	13629556	13629685	Gmdrm	hypo	CG	-0.8975
Gm14	13648340	13648479	Gmdrm	hypo	CG	-0.6437
Gm14	13662997	13663134	Gmdrm	hypo	CG	-0.9687
Gm14	13678362	13678732	Gmdrm	hypo	CG	-0.0659
Gm14	13719126	13720110	Gmdrm	hypo	CG	-0.0526
Gm14	13757303	13757567	Gmdrm	hypo	CG	-0.3758
Gm14	13759486	13759569	Gmdrm	hypo	CG	-0.4575
Gm14	13794381	13794445	Gmdrm	hypo	CG	-0.3012
Gm14	13804127	13804312	Gmdrm	hypo	CG	-0.5975
Gm14	13867562	13867604	Gmdrm	hypo	CG	-0.49
Gm14	13868750	13869027	Gmdrm	hypo	CG	-0.1132
Gm14	13877145	13877287	Gmdrm	hypo	CG	-0.0583
Gm14	13897130	13897393	Gmdrm	hypo	CG	-0.05
Gm14	13900451	13900645	Gmdrm	hypo	CG	-0.1157
Gm14	13943110	13943255	Gmdrm	hypo	CG	-0.0443
Gm14	13978663	13978751	Gmdrm	hypo	CG	-0.913
Gm14	13995061	13995411	Gmdrm	hypo	CG	-0.062
Gm14	13996467	13996792	Gmdrm	hypo	CG	-0.49

Gm14	13999980	14000161	Gmdrm	hypo	CG	-0.412
Gm14	14008863	14008934	Gmdrm	hypo	CG	-0.855
Gm14	14009312	14009604	Gmdrm	hypo	CG	-0.4483
Gm14	14023356	14023714	Gmdrm	hypo	CG	-0.2464
Gm14	14024216	14024286	Gmdrm	hypo	CG	-0.072
Gm14	14026744	14026811	Gmdrm	hypo	CG	-0.4834
Gm14	14032742	14032823	Gmdrm	hypo	CG	-0.5033
Gm14	14039143	14039275	Gmdrm	hypo	CG	-0.32
Gm14	14039756	14039853	Gmdrm	hypo	CG	-0.1366
Gm14	14040068	14040161	Gmdrm	hypo	CG	-0.4413
Gm14	14041468	14041579	Gmdrm	hypo	CG	-0.395
Gm14	14050372	14050576	Gmdrm	hypo	CG	-0.1414
Gm14	14079697	14079883	Gmdrm	hypo	CG	-0.3288
Gm14	14085476	14085498	Gmdrm	hypo	CG	-0.5875
Gm14	14159732	14159882	Gmdrm	hypo	CG	-0.2113
Gm14	14207418	14207467	Gmdrm	hypo	CG	-0.0562
Gm14	14255588	14255715	Gmdrm	hypo	CG	-0.8071
Gm14	14256070	14256327	Gmdrm	hypo	CG	-0.2725
Gm14	14265416	14265804	Gmdrm	hypo	CG	-0.5175
Gm14	14266120	14266338	Gmdrm	hypo	CG	-0.8288
Gm14	14316536	14316644	Gmdrm	hypo	CG	-0.3625
Gm14	14316798	14316935	Gmdrm	hypo	CG	-0.4337
Gm14	14317450	14317485	Gmdrm	hypo	CG	-0.7867
Gm14	14318639	14318695	Gmdrm	hypo	CG	-0.34
Gm14	14335327	14335423	Gmdrm	hypo	CG	-0.7983
Gm14	14344034	14344393	Gmdrm	hypo	CG	-0.2753
Gm14	14354795	14355042	Gmdrm	hypo	CG	-0.0773
Gm14	14393934	14394011	Gmdrm	hypo	CG	-0.8117
Gm14	14394181	14394264	Gmdrm	hypo	CG	-0.872
Gm14	14401583	14401608	Gmdrm	hypo	CG	-0.93
Gm14	14401722	14401800	Gmdrm	hypo	CG	-0.9683
Gm14	14458843	14459151	Gmdrm	hypo	CG	-0.8314
Gm14	14459331	14459536	Gmdrm	hypo	CG	-0.2375
Gm14	14461671	14461718	Gmdrm	hypo	CG	-0.4062
Gm14	14463635	14463848	Gmdrm	hypo	CG	-0.4157
Gm14	14492756	14492832	Gmdrm	hypo	CG	-0.2416
Gm14	14493224	14493565	Gmdrm	hypo	CG	-0.3692
Gm14	14497891	14498185	Gmdrm	hypo	CG	-0.445
Gm14	14499272	14499311	Gmdrm	hypo	CG	-0.0517
Gm14	14501246	14501525	Gmdrm	hypo	CG	-0.2655
Gm14	14526565	14526706	Gmdrm	hypo	CG	-0.4838
Gm14	14661463	14661647	Gmdrm	hypo	CG	-0.0687
Gm14	14690932	14691903	Gmdrm	hypo	CG	-0.0386
Gm14	14702732	14702879	Gmdrm	hypo	CG	-0.63
Gm14	14720810	14720851	Gmdrm	hypo	CG	-0.3201
Gm14	14723565	14723700	Gmdrm	hypo	CG	-0.9383

Gm14	14860110	14860244	Gmdrm	hypo	CG	-0.095
Gm14	14914978	14915073	Gmdrm	hypo	CG	-0.0843
Gm14	14929177	14929283	Gmdrm	hypo	CG	-0.072
Gm14	15722011	15722146	Gmdrm	hypo	CG	-0.0666
Gm14	15759614	15759819	Gmdrm	hypo	CG	-0.1064
Gm14	15866792	15866939	Gmdrm	hypo	CG	-0.9134
Gm14	15868559	15868671	Gmdrm	hypo	CG	-0.494
Gm14	15869125	15869235	Gmdrm	hypo	CG	-0.945
Gm14	15875624	15875803	Gmdrm	hypo	CG	-0.06
Gm14	15888884	15889030	Gmdrm	hypo	CG	-0.7217
Gm14	15978034	15978138	Gmdrm	hypo	CG	-0.89
Gm14	16079291	16079540	Gmdrm	hypo	CG	-0.2335
Gm14	16132401	16132495	Gmdrm	hypo	CG	-0.5267
Gm14	16174182	16174631	Gmdrm	hypo	CG	-0.0361
Gm14	16193400	16193556	Gmdrm	hypo	CG	-0.4092
Gm14	16277949	16278047	Gmdrm	hypo	CG	-0.07
Gm14	16299318	16300313	Gmdrm	hypo	CG	-0.031
Gm14	16378040	16378133	Gmdrm	hypo	CG	-0.1025
Gm14	16381141	16381233	Gmdrm	hypo	CG	-0.1234
Gm14	16381765	16382064	Gmdrm	hypo	CG	-0.0215
Gm14	16403980	16404231	Gmdrm	hypo	CG	-0.223
Gm14	16440271	16440417	Gmdrm	hypo	CG	-0.052
Gm14	16450941	16451053	Gmdrm	hypo	CG	-0.2816
Gm14	16463158	16463198	Gmdrm	hypo	CG	-0.305
Gm14	16463321	16463476	Gmdrm	hypo	CG	-0.3767
Gm14	16494917	16495215	Gmdrm	hypo	CG	-0.0644
Gm14	16534559	16534941	Gmdrm	hypo	CG	-0.0625
Gm14	16558285	16558449	Gmdrm	hypo	CG	-0.0629
Gm14	16570503	16570521	Gmdrm	hypo	CG	-0.6084
Gm14	16571076	16571213	Gmdrm	hypo	CG	-0.048
Gm14	16571726	16572016	Gmdrm	hypo	CG	-0.5895
Gm14	16572168	16572378	Gmdrm	hypo	CG	-0.0528
Gm14	16582820	16583046	Gmdrm	hypo	CG	-0.055
Gm14	16646825	16646936	Gmdrm	hypo	CG	-0.06
Gm14	16691092	16691321	Gmdrm	hypo	CG	-0.078
Gm14	16701827	16702107	Gmdrm	hypo	CG	-0.2513
Gm14	16728780	16728990	Gmdrm	hypo	CG	-0.0589
Gm14	16820643	16820754	Gmdrm	hypo	CG	-0.9417
Gm14	16838599	16838994	Gmdrm	hypo	CG	-0.0526
Gm14	16923936	16924344	Gmdrm	hypo	CG	-0.0683
Gm14	16977353	16977472	Gmdrm	hypo	CG	-0.8275
Gm14	17002646	17002690	Gmdrm	hypo	CG	-0.9187
Gm14	17041252	17041350	Gmdrm	hypo	CG	-0.785
Gm14	17066060	17066205	Gmdrm	hypo	CG	-0.1289
Gm14	17117082	17117206	Gmdrm	hypo	CG	-0.1433
Gm14	17188522	17188570	Gmdrm	hypo	CG	-0.058

Gm14	17194401	17194895	Gmdrm	hypo	CG	-0.062
Gm14	17212616	17212654	Gmdrm	hypo	CG	-0.125
Gm14	17246273	17246625	Gmdrm	hypo	CG	-0.0474
Gm14	17262484	17262614	Gmdrm	hypo	CG	-0.5183
Gm14	17274581	17274653	Gmdrm	hypo	CG	-0.842
Gm14	17281127	17281460	Gmdrm	hypo	CG	-0.7411
Gm14	17305465	17305789	Gmdrm	hypo	CG	-0.0392
Gm14	17393014	17393268	Gmdrm	hypo	CG	-0.8834
Gm14	17423515	17423732	Gmdrm	hypo	CG	-0.061
Gm14	17437026	17438023	Gmdrm	hypo	CG	-0.0259
Gm14	17441218	17441441	Gmdrm	hypo	CG	-0.0455
Gm14	17498647	17498836	Gmdrm	hypo	CG	-0.0517
Gm14	17533956	17534770	Gmdrm	hypo	CG	-0.2377
Gm14	17543871	17544234	Gmdrm	hypo	CG	-0.0364
Gm14	17560363	17560620	Gmdrm	hypo	CG	-0.0725
Gm14	17565589	17565984	Gmdrm	hypo	CG	-0.0539
Gm14	17569510	17569728	Gmdrm	hypo	CG	-0.7944
Gm14	17576141	17576333	Gmdrm	hypo	CG	-0.1836
Gm14	17576441	17576520	Gmdrm	hypo	CG	-0.255
Gm14	17577668	17577848	Gmdrm	hypo	CG	-0.115
Gm14	17597348	17597570	Gmdrm	hypo	CG	-0.0539
Gm14	17688487	17688817	Gmdrm	hypo	CG	-0.09
Gm14	17689178	17689380	Gmdrm	hypo	CG	-0.4935
Gm14	17691943	17692092	Gmdrm	hypo	CG	-0.3249
Gm14	17692451	17692550	Gmdrm	hypo	CG	-0.56
Gm14	17744483	17744787	Gmdrm	hypo	CG	-0.0396
Gm14	17763004	17763204	Gmdrm	hypo	CG	-0.042
Gm14	17809841	17809925	Gmdrm	hypo	CG	-0.349
Gm14	17818670	17818952	Gmdrm	hypo	CG	-0.0772
Gm14	17826595	17826615	Gmdrm	hypo	CG	-0.07
Gm14	17856603	17856622	Gmdrm	hypo	CG	-0.94
Gm14	17884243	17884412	Gmdrm	hypo	CG	-0.5275
Gm14	17893017	17893189	Gmdrm	hypo	CG	-0.9275
Gm14	17893898	17893934	Gmdrm	hypo	CG	-0.9438
Gm14	18032777	18032822	Gmdrm	hypo	CG	-0.245
Gm14	18040017	18040138	Gmdrm	hypo	CG	-0.729
Gm14	18050528	18050679	Gmdrm	hypo	CG	-0.09
Gm14	18050901	18051085	Gmdrm	hypo	CG	-0.0833
Gm14	18088604	18088770	Gmdrm	hypo	CG	-0.038
Gm14	18177077	18177619	Gmdrm	hypo	CG	-0.0235
Gm14	18248937	18249129	Gmdrm	hypo	CG	-0.7876
Gm14	18265556	18265913	Gmdrm	hypo	CG	-0.0472
Gm14	18273156	18273302	Gmdrm	hypo	CG	-0.0815
Gm14	18288820	18288998	Gmdrm	hypo	CG	-0.3691
Gm14	18303568	18303896	Gmdrm	hypo	CG	-0.0612
Gm14	18309383	18309456	Gmdrm	hypo	CG	-0.11

Gm14	18318879	18318937	Gmdrm	hypo	CG	-0.5725
Gm14	18319567	18319924	Gmdrm	hypo	CG	-0.6483
Gm14	18326961	18327048	Gmdrm	hypo	CG	-0.122
Gm14	18331080	18331247	Gmdrm	hypo	CG	-0.0713
Gm14	18381299	18381682	Gmdrm	hypo	CG	-0.2257
Gm14	18383475	18383836	Gmdrm	hypo	CG	-0.1972
Gm14	18403619	18403732	Gmdrm	hypo	CG	-0.7867
Gm14	18403870	18404029	Gmdrm	hypo	CG	-0.543
Gm14	18405456	18405638	Gmdrm	hypo	CG	-0.3083
Gm14	18434325	18434472	Gmdrm	hypo	CG	-0.045
Gm14	18436778	18437275	Gmdrm	hypo	CG	-0.0331
Gm14	18466233	18466315	Gmdrm	hypo	CG	-0.4163
Gm14	18470153	18470312	Gmdrm	hypo	CG	-0.7092
Gm14	18513023	18513410	Gmdrm	hypo	CG	-0.4035
Gm14	18528377	18528620	Gmdrm	hypo	CG	-0.0611
Gm14	18553217	18553544	Gmdrm	hypo	CG	-0.4261
Gm14	18556597	18556806	Gmdrm	hypo	CG	-0.0542
Gm14	18563050	18563903	Gmdrm	hypo	CG	-0.0597
Gm14	18657401	18657597	Gmdrm	hypo	CG	-0.2666
Gm14	18663594	18663686	Gmdrm	hypo	CG	-0.1558
Gm14	18676408	18676562	Gmdrm	hypo	CG	-0.215
Gm14	18698532	18698625	Gmdrm	hypo	CG	-0.7134
Gm14	18698740	18698902	Gmdrm	hypo	CG	-0.61
Gm14	18699050	18699101	Gmdrm	hypo	CG	-0.4
Gm14	18730807	18731143	Gmdrm	hypo	CG	-0.2588
Gm14	18732432	18732541	Gmdrm	hypo	CG	-0.6117
Gm14	18746301	18746681	Gmdrm	hypo	CG	-0.2094
Gm14	18747509	18747567	Gmdrm	hypo	CG	-0.04
Gm14	18753105	18753152	Gmdrm	hypo	CG	-0.8566
Gm14	18754803	18754823	Gmdrm	hypo	CG	-0.9467
Gm14	18755502	18755889	Gmdrm	hypo	CG	-0.6775
Gm14	18759145	18759306	Gmdrm	hypo	CG	-0.9225
Gm14	18883481	18883527	Gmdrm	hypo	CG	-0.1467
Gm14	18894575	18895138	Gmdrm	hypo	CG	-0.0536
Gm14	18917670	18917722	Gmdrm	hypo	CG	-0.8867
Gm14	18918441	18918523	Gmdrm	hypo	CG	-0.3283
Gm14	19002652	19003003	Gmdrm	hypo	CG	-0.0406
Gm14	19037337	19037510	Gmdrm	hypo	CG	-0.0963
Gm14	19067453	19067769	Gmdrm	hypo	CG	-0.3289
Gm14	19070542	19070788	Gmdrm	hypo	CG	-0.9238
Gm14	19082417	19082587	Gmdrm	hypo	CG	-0.8738
Gm14	19140179	19140967	Gmdrm	hypo	CG	-0.0507
Gm14	19186825	19187039	Gmdrm	hypo	CG	-0.0453
Gm14	19191486	19191767	Gmdrm	hypo	CG	-0.33
Gm14	19192708	19192864	Gmdrm	hypo	CG	-0.4587
Gm14	19198302	19198510	Gmdrm	hypo	CG	-0.524

Gm14	19198744	19198789	Gmdrm	hypo	CG	-0.066
Gm14	19211728	19211747	Gmdrm	hypo	CG	-0.855
Gm14	19232410	19232568	Gmdrm	hypo	CG	-0.0933
Gm14	19237003	19237168	Gmdrm	hypo	CG	-0.0763
Gm14	19240212	19240445	Gmdrm	hypo	CG	-0.194
Gm14	19250701	19250849	Gmdrm	hypo	CG	-0.487
Gm14	19268116	19268198	Gmdrm	hypo	CG	-0.8683
Gm14	19275965	19276111	Gmdrm	hypo	CG	-0.0483
Gm14	19284354	19284364	Gmdrm	hypo	CG	-0.095
Gm14	19347939	19347993	Gmdrm	hypo	CG	-0.4012
Gm14	19350298	19350719	Gmdrm	hypo	CG	-0.0592
Gm14	19422664	19422904	Gmdrm	hypo	CG	-0.0748
Gm14	19425573	19425662	Gmdrm	hypo	CG	-0.138
Gm14	19463775	19463793	Gmdrm	hypo	CG	-0.96
Gm14	19486365	19486501	Gmdrm	hypo	CG	-0.0637
Gm14	19511645	19511825	Gmdrm	hypo	CG	-0.092
Gm14	19514265	19514371	Gmdrm	hypo	CG	-0.038
Gm14	19530643	19530717	Gmdrm	hypo	CG	-0.1233
Gm14	19530840	19531089	Gmdrm	hypo	CG	-0.6668
Gm14	19582529	19582640	Gmdrm	hypo	CG	-0.5784
Gm14	19642899	19643156	Gmdrm	hypo	CG	-0.2642
Gm14	19643590	19644096	Gmdrm	hypo	CG	-0.0225
Gm14	19654591	19654713	Gmdrm	hypo	CG	-0.0714
Gm14	19749650	19749749	Gmdrm	hypo	CG	-0.9016
Gm14	19772067	19772241	Gmdrm	hypo	CG	-0.0569
Gm14	19849931	19850057	Gmdrm	hypo	CG	-0.7587
Gm14	19890721	19890888	Gmdrm	hypo	CG	-0.644
Gm14	19891745	19892156	Gmdrm	hypo	CG	-0.27
Gm14	19945696	19945821	Gmdrm	hypo	CG	-0.0858
Gm14	20024263	20024420	Gmdrm	hypo	CG	-0.0556
Gm14	20039093	20039223	Gmdrm	hypo	CG	-0.062
Gm14	20075059	20075170	Gmdrm	hypo	CG	-0.095
Gm14	20078014	20078999	Gmdrm	hypo	CG	-0.0323
Gm14	20092844	20092985	Gmdrm	hypo	CG	-0.5045
Gm14	20211836	20212273	Gmdrm	hypo	CG	-0.0446
Gm14	20226616	20226749	Gmdrm	hypo	CG	-0.1671
Gm14	20235867	20235986	Gmdrm	hypo	CG	-0.0715
Gm14	20268662	20268876	Gmdrm	hypo	CG	-0.0817
Gm14	20308618	20308853	Gmdrm	hypo	CG	-0.0825
Gm14	20428491	20428828	Gmdrm	hypo	CG	-0.0721
Gm14	20437136	20438067	Gmdrm	hypo	CG	-0.0619
Gm14	20441931	20442233	Gmdrm	hypo	CG	-0.0929
Gm14	20472073	20472272	Gmdrm	hypo	CG	-0.0843
Gm14	20564774	20565096	Gmdrm	hypo	CG	-0.4609
Gm14	20579353	20579489	Gmdrm	hypo	CG	-0.3094
Gm14	20600225	20600309	Gmdrm	hypo	CG	-0.073

Gm14	20609520	20609773	Gmdrm	hypo	CG	-0.1122
Gm14	20611544	20612192	Gmdrm	hypo	CG	-0.0179
Gm14	20622699	20622861	Gmdrm	hypo	CG	-0.4386
Gm14	20637649	20637738	Gmdrm	hypo	CG	-0.4367
Gm14	20663779	20663905	Gmdrm	hypo	CG	-0.1644
Gm14	20666633	20666882	Gmdrm	hypo	CG	-0.1241
Gm14	20708245	20708550	Gmdrm	hypo	CG	-0.0409
Gm14	20795315	20795796	Gmdrm	hypo	CG	-0.0272
Gm14	20822076	20822168	Gmdrm	hypo	CG	-0.0817
Gm14	20899874	20899996	Gmdrm	hypo	CG	-0.107
Gm14	20918752	20919338	Gmdrm	hypo	CG	-0.0358
Gm14	21310631	21311601	Gmdrm	hypo	CG	-0.0326
Gm14	21327491	21328276	Gmdrm	hypo	CG	-0.0421
Gm14	21373611	21373670	Gmdrm	hypo	CG	-0.2
Gm14	21423859	21424275	Gmdrm	hypo	CG	-0.0627
Gm14	21473933	21474040	Gmdrm	hypo	CG	-0.105
Gm14	21502979	21503226	Gmdrm	hypo	CG	-0.1136
Gm14	21507691	21508138	Gmdrm	hypo	CG	-0.0501
Gm14	21515235	21515281	Gmdrm	hypo	CG	-0.24
Gm14	21517114	21517158	Gmdrm	hypo	CG	-0.104
Gm14	21550367	21550526	Gmdrm	hypo	CG	-0.1157
Gm14	21640999	21641113	Gmdrm	hypo	CG	-0.1727
Gm14	21751778	21751906	Gmdrm	hypo	CG	-0.064
Gm14	21767162	21767501	Gmdrm	hypo	CG	-0.3786
Gm14	21772311	21772501	Gmdrm	hypo	CG	-0.1171
Gm14	21833762	21834458	Gmdrm	hypo	CG	-0.0326
Gm14	21863205	21863410	Gmdrm	hypo	CG	-0.0692
Gm14	21901668	21902515	Gmdrm	hypo	CG	-0.036
Gm14	21906602	21907407	Gmdrm	hypo	CG	-0.0297
Gm14	21908219	21908393	Gmdrm	hypo	CG	-0.35
Gm14	21912623	21913085	Gmdrm	hypo	CG	-0.036
Gm14	22090083	22090348	Gmdrm	hypo	CG	-0.0721
Gm14	22190379	22190510	Gmdrm	hypo	CG	-0.0907
Gm14	22283362	22283770	Gmdrm	hypo	CG	-0.0485
Gm14	22285181	22285237	Gmdrm	hypo	CG	-0.26
Gm14	22285339	22285526	Gmdrm	hypo	CG	-0.1187
Gm14	22318729	22318864	Gmdrm	hypo	CG	-0.0812
Gm14	22457999	22458999	Gmdrm	hypo	CG	-0.0244
Gm14	22531766	22531981	Gmdrm	hypo	CG	-0.0425
Gm14	22548630	22548737	Gmdrm	hypo	CG	-0.9433
Gm14	22549239	22549467	Gmdrm	hypo	CG	-0.9381
Gm14	22678248	22678848	Gmdrm	hypo	CG	-0.0426
Gm14	22769862	22770846	Gmdrm	hypo	CG	-0.0187
Gm14	22778590	22779191	Gmdrm	hypo	CG	-0.2222
Gm14	22847195	22847284	Gmdrm	hypo	CG	-0.131
Gm14	22918323	22918436	Gmdrm	hypo	CG	-0.0683

Gm14	22921656	22922048	Gmdrm	hypo	CG	-0.0603
Gm14	23026752	23027616	Gmdrm	hypo	CG	-0.1217
Gm14	23072435	23072843	Gmdrm	hypo	CG	-0.0875
Gm14	23106474	23106561	Gmdrm	hypo	CG	-0.1
Gm14	23140223	23140668	Gmdrm	hypo	CG	-0.0883
Gm14	23148964	23149958	Gmdrm	hypo	CG	-0.0306
Gm14	23204291	23204683	Gmdrm	hypo	CG	-0.0554
Gm14	23230794	23230910	Gmdrm	hypo	CG	-0.11
Gm14	23290893	23290971	Gmdrm	hypo	CG	-0.1237
Gm14	23306503	23306573	Gmdrm	hypo	CG	-0.6962
Gm14	23315700	23315856	Gmdrm	hypo	CG	-0.0925
Gm14	23321715	23321790	Gmdrm	hypo	CG	-0.0463
Gm14	23394830	23395600	Gmdrm	hypo	CG	-0.2265
Gm14	23477919	23477960	Gmdrm	hypo	CG	-0.65
Gm14	23530882	23530923	Gmdrm	hypo	CG	-0.703
Gm14	23537303	23537425	Gmdrm	hypo	CG	-0.2516
Gm14	23594470	23594595	Gmdrm	hypo	CG	-0.083
Gm14	23607095	23607229	Gmdrm	hypo	CG	-0.224
Gm14	23656267	23656580	Gmdrm	hypo	CG	-0.0456
Gm14	23666282	23666650	Gmdrm	hypo	CG	-0.702
Gm14	23746674	23746830	Gmdrm	hypo	CG	-0.2192
Gm14	23751283	23751357	Gmdrm	hypo	CG	-0.934
Gm14	23799872	23800011	Gmdrm	hypo	CG	-0.5651
Gm14	23894295	23894504	Gmdrm	hypo	CG	-0.0487
Gm14	23918403	23918602	Gmdrm	hypo	CG	-0.0785
Gm14	23930104	23930622	Gmdrm	hypo	CG	-0.0424
Gm14	23930740	23931090	Gmdrm	hypo	CG	-0.0412
Gm14	24017048	24017649	Gmdrm	hypo	CG	-0.0361
Gm14	24054738	24054976	Gmdrm	hypo	CG	-0.04
Gm14	24083046	24083120	Gmdrm	hypo	CG	-0.0483
Gm14	24100869	24101067	Gmdrm	hypo	CG	-0.2033
Gm14	24132876	24133101	Gmdrm	hypo	CG	-0.0613
Gm14	24145365	24145900	Gmdrm	hypo	CG	-0.0383
Gm14	24224851	24224963	Gmdrm	hypo	CG	-0.635
Gm14	24237439	24237580	Gmdrm	hypo	CG	-0.845
Gm14	24250823	24250957	Gmdrm	hypo	CG	-0.4699
Gm14	24330224	24330358	Gmdrm	hypo	CG	-0.11
Gm14	24330473	24330681	Gmdrm	hypo	CG	-0.073
Gm14	24334717	24335202	Gmdrm	hypo	CG	-0.0692
Gm14	24412361	24412762	Gmdrm	hypo	CG	-0.0417
Gm14	24444851	24445295	Gmdrm	hypo	CG	-0.0478
Gm14	24467163	24467339	Gmdrm	hypo	CG	-0.0779
Gm14	24468281	24468337	Gmdrm	hypo	CG	-0.085
Gm14	24602638	24603392	Gmdrm	hypo	CG	-0.0176
Gm14	24615334	24615370	Gmdrm	hypo	CG	-0.785
Gm14	24640753	24640896	Gmdrm	hypo	CG	-0.2431

Gm14	24682612	24682885	Gmdrm	hypo	CG	-0.0483
Gm14	24688691	24688887	Gmdrm	hypo	CG	-0.0741
Gm14	24776067	24776492	Gmdrm	hypo	CG	-0.6499
Gm14	24778446	24779024	Gmdrm	hypo	CG	-0.0377
Gm14	24781948	24782038	Gmdrm	hypo	CG	-0.0375
Gm14	24799473	24799590	Gmdrm	hypo	CG	-0.0575
Gm14	24839313	24839497	Gmdrm	hypo	CG	-0.09
Gm14	24879928	24880173	Gmdrm	hypo	CG	-0.155
Gm14	24887921	24888361	Gmdrm	hypo	CG	-0.0559
Gm14	24905076	24905205	Gmdrm	hypo	CG	-0.099
Gm14	24916935	24917175	Gmdrm	hypo	CG	-0.032
Gm14	24969722	24970086	Gmdrm	hypo	CG	-0.0549
Gm14	24975975	24976433	Gmdrm	hypo	CG	-0.0345
Gm14	25147530	25148153	Gmdrm	hypo	CG	-0.0332
Gm14	25178250	25178478	Gmdrm	hypo	CG	-0.0565
Gm14	25191379	25191512	Gmdrm	hypo	CG	-0.1119
Gm14	25272280	25272373	Gmdrm	hypo	CG	-0.7483
Gm14	25273991	25274332	Gmdrm	hypo	CG	-0.3695
Gm14	25283965	25284073	Gmdrm	hypo	CG	-0.918
Gm14	25400215	25400611	Gmdrm	hypo	CG	-0.0617
Gm14	25430533	25430632	Gmdrm	hypo	CG	-0.0817
Gm14	25523176	25523295	Gmdrm	hypo	CG	-0.181
Gm14	25575122	25575425	Gmdrm	hypo	CG	-0.068
Gm14	25587587	25587773	Gmdrm	hypo	CG	-0.1083
Gm14	25598528	25598636	Gmdrm	hypo	CG	-0.9
Gm14	25619916	25620377	Gmdrm	hypo	CG	-0.0807
Gm14	25646175	25646240	Gmdrm	hypo	CG	-0.074
Gm14	25804573	25804676	Gmdrm	hypo	CG	-0.0514
Gm14	25815908	25816089	Gmdrm	hypo	CG	-0.212
Gm14	25817280	25817307	Gmdrm	hypo	CG	-0.9413
Gm14	25817681	25817809	Gmdrm	hypo	CG	-0.955
Gm14	25834797	25834967	Gmdrm	hypo	CG	-0.6933
Gm14	26004057	26004180	Gmdrm	hypo	CG	-0.8162
Gm14	26004300	26004477	Gmdrm	hypo	CG	-0.36
Gm14	26011062	26011124	Gmdrm	hypo	CG	-0.31
Gm14	26015607	26015733	Gmdrm	hypo	CG	-0.0517
Gm14	26078407	26078761	Gmdrm	hypo	CG	-0.0326
Gm14	26157967	26158125	Gmdrm	hypo	CG	-0.725
Gm14	26206003	26206990	Gmdrm	hypo	CG	-0.022
Gm14	26216685	26217683	Gmdrm	hypo	CG	-0.0468
Gm14	26254750	26254825	Gmdrm	hypo	CG	-0.0784
Gm14	26257118	26257193	Gmdrm	hypo	CG	-0.7983
Gm14	26288273	26288843	Gmdrm	hypo	CG	-0.0429
Gm14	26298103	26298313	Gmdrm	hypo	CG	-0.0636
Gm14	26338631	26338767	Gmdrm	hypo	CG	-0.0525
Gm14	26379259	26379443	Gmdrm	hypo	CG	-0.0669

Gm14	26396508	26396724	Gmdrm	hypo	CG	-0.0571
Gm14	26423205	26423342	Gmdrm	hypo	CG	-0.86
Gm14	26474496	26474571	Gmdrm	hypo	CG	-0.74
Gm14	26552458	26552874	Gmdrm	hypo	CG	-0.1243
Gm14	26664914	26665082	Gmdrm	hypo	CG	-0.9238
Gm14	26677734	26677817	Gmdrm	hypo	CG	-0.2134
Gm14	26680948	26681070	Gmdrm	hypo	CG	-0.238
Gm14	26762535	26762801	Gmdrm	hypo	CG	-0.0715
Gm14	26810296	26810521	Gmdrm	hypo	CG	-0.1087
Gm14	26814373	26814433	Gmdrm	hypo	CG	-0.803
Gm14	26821217	26821265	Gmdrm	hypo	CG	-0.5267
Gm14	26827943	26828143	Gmdrm	hypo	CG	-0.0363
Gm14	26851052	26851118	Gmdrm	hypo	CG	-0.2185
Gm14	26949968	26950247	Gmdrm	hypo	CG	-0.5082
Gm14	27112207	27112326	Gmdrm	hypo	CG	-0.0511
Gm14	27196332	27196427	Gmdrm	hypo	CG	-0.1837
Gm14	27197155	27197330	Gmdrm	hypo	CG	-0.444
Gm14	27200979	27201009	Gmdrm	hypo	CG	-0.625
Gm14	27213753	27213911	Gmdrm	hypo	CG	-0.1138
Gm14	27248290	27248478	Gmdrm	hypo	CG	-0.9438
Gm14	27250943	27251131	Gmdrm	hypo	CG	-0.9325
Gm14	27252925	27253201	Gmdrm	hypo	CG	-0.2964
Gm14	27283353	27283799	Gmdrm	hypo	CG	-0.0462
Gm14	27329307	27329419	Gmdrm	hypo	CG	-0.736
Gm14	27346867	27347017	Gmdrm	hypo	CG	-0.0611
Gm14	27356343	27356870	Gmdrm	hypo	CG	-0.0298
Gm14	27366427	27366816	Gmdrm	hypo	CG	-0.2868
Gm14	27434614	27435111	Gmdrm	hypo	CG	-0.0559
Gm14	27494207	27494477	Gmdrm	hypo	CG	-0.055
Gm14	27637186	27637915	Gmdrm	hypo	CG	-0.0272
Gm14	27696836	27697119	Gmdrm	hypo	CG	-0.0573
Gm14	27703676	27703908	Gmdrm	hypo	CG	-0.0708
Gm14	27727778	27727876	Gmdrm	hypo	CG	-0.1871
Gm14	27765831	27766149	Gmdrm	hypo	CG	-0.07
Gm14	27805119	27805176	Gmdrm	hypo	CG	-0.6725
Gm14	27806032	27806179	Gmdrm	hypo	CG	-0.262
Gm14	27809188	27809260	Gmdrm	hypo	CG	-0.3942
Gm14	27864553	27864933	Gmdrm	hypo	CG	-0.0682
Gm14	27865772	27866498	Gmdrm	hypo	CG	-0.0318
Gm14	27884916	27885151	Gmdrm	hypo	CG	-0.058
Gm14	27902731	27902870	Gmdrm	hypo	CG	-0.0733
Gm14	27940899	27941162	Gmdrm	hypo	CG	-0.4338
Gm14	27956649	27956724	Gmdrm	hypo	CG	-0.655
Gm14	27984509	27984719	Gmdrm	hypo	CG	-0.03
Gm14	27990108	27990146	Gmdrm	hypo	CG	-0.8284
Gm14	27990295	27990371	Gmdrm	hypo	CG	-0.86

Gm14	27995986	27996130	Gmdrm	hypo	CG	-0.7387
Gm14	27996235	27996305	Gmdrm	hypo	CG	-0.6917
Gm14	28017987	28018021	Gmdrm	hypo	CG	-0.1733
Gm14	28062078	28062151	Gmdrm	hypo	CG	-0.5614
Gm14	28066704	28067151	Gmdrm	hypo	CG	-0.0832
Gm14	28067503	28067631	Gmdrm	hypo	CG	-0.525
Gm14	28113296	28113355	Gmdrm	hypo	CG	-0.0637
Gm14	28148841	28148969	Gmdrm	hypo	CG	-0.281
Gm14	28162832	28163226	Gmdrm	hypo	CG	-0.0667
Gm14	28186314	28186516	Gmdrm	hypo	CG	-0.1525
Gm14	28186805	28186946	Gmdrm	hypo	CG	-0.5675
Gm14	28194673	28194821	Gmdrm	hypo	CG	-0.035
Gm14	28225574	28225703	Gmdrm	hypo	CG	-0.9267
Gm14	28228825	28229224	Gmdrm	hypo	CG	-0.3196
Gm14	28236389	28236717	Gmdrm	hypo	CG	-0.0662
Gm14	28308069	28308114	Gmdrm	hypo	CG	-0.7267
Gm14	28319383	28319929	Gmdrm	hypo	CG	-0.0615
Gm14	28326583	28327128	Gmdrm	hypo	CG	-0.0361
Gm14	28348743	28348971	Gmdrm	hypo	CG	-0.185
Gm14	28353174	28353276	Gmdrm	hypo	CG	-0.0967
Gm14	28360059	28360139	Gmdrm	hypo	CG	-0.4183
Gm14	28360436	28360563	Gmdrm	hypo	CG	-0.0825
Gm14	28367473	28367800	Gmdrm	hypo	CG	-0.6407
Gm14	28369744	28369966	Gmdrm	hypo	CG	-0.73
Gm14	28374747	28375036	Gmdrm	hypo	CG	-0.0787
Gm14	28376127	28376260	Gmdrm	hypo	CG	-0.6057
Gm14	28391380	28391576	Gmdrm	hypo	CG	-0.75
Gm14	28447202	28447447	Gmdrm	hypo	CG	-0.338
Gm14	28458231	28458255	Gmdrm	hypo	CG	-0.8175
Gm14	28471785	28471839	Gmdrm	hypo	CG	-0.035
Gm14	28498077	28498165	Gmdrm	hypo	CG	-0.644
Gm14	28509204	28509284	Gmdrm	hypo	CG	-0.73
Gm14	28510035	28510148	Gmdrm	hypo	CG	-0.3133
Gm14	28524614	28524716	Gmdrm	hypo	CG	-0.32
Gm14	28531608	28531686	Gmdrm	hypo	CG	-0.8174
Gm14	28535173	28535315	Gmdrm	hypo	CG	-0.1538
Gm14	28558678	28558721	Gmdrm	hypo	CG	-0.1284
Gm14	28613168	28613281	Gmdrm	hypo	CG	-0.6717
Gm14	28615723	28615741	Gmdrm	hypo	CG	-0.926
Gm14	28616322	28616401	Gmdrm	hypo	CG	-0.115
Gm14	28619620	28619795	Gmdrm	hypo	CG	-0.03
Gm14	28649727	28649940	Gmdrm	hypo	CG	-0.6966
Gm14	28660290	28660509	Gmdrm	hypo	CG	-0.1478
Gm14	28661434	28661846	Gmdrm	hypo	CG	-0.5706
Gm14	28662024	28662104	Gmdrm	hypo	CG	-0.6814
Gm14	28663469	28663929	Gmdrm	hypo	CG	-0.0922

Gm14	28665618	28665681	Gmdrm	hypo	CG	-0.136
Gm14	28704287	28704407	Gmdrm	hypo	CG	-0.702
Gm14	28749268	28749702	Gmdrm	hypo	CG	-0.645
Gm14	28752726	28753019	Gmdrm	hypo	CG	-0.8517
Gm14	28753120	28753229	Gmdrm	hypo	CG	-0.8967
Gm14	28754670	28754814	Gmdrm	hypo	CG	-0.146
Gm14	28756747	28756819	Gmdrm	hypo	CG	-0.0616
Gm14	28831745	28832035	Gmdrm	hypo	CG	-0.0867
Gm14	28861828	28861919	Gmdrm	hypo	CG	-0.63
Gm14	28862113	28862402	Gmdrm	hypo	CG	-0.3888
Gm14	28881933	28882019	Gmdrm	hypo	CG	-0.6233
Gm14	28882287	28882357	Gmdrm	hypo	CG	-0.805
Gm14	29013445	29013496	Gmdrm	hypo	CG	-0.605
Gm14	29013628	29013781	Gmdrm	hypo	CG	-0.843
Gm14	29014023	29014184	Gmdrm	hypo	CG	-0.1
Gm14	29050126	29050575	Gmdrm	hypo	CG	-0.0289
Gm14	29060471	29060936	Gmdrm	hypo	CG	-0.0359
Gm14	29066992	29067152	Gmdrm	hypo	CG	-0.04
Gm14	29068946	29069448	Gmdrm	hypo	CG	-0.0291
Gm14	29076321	29076681	Gmdrm	hypo	CG	-0.15
Gm14	29113590	29113852	Gmdrm	hypo	CG	-0.1988
Gm14	29118263	29118345	Gmdrm	hypo	CG	-0.05
Gm14	29141077	29141573	Gmdrm	hypo	CG	-0.0223
Gm14	29145381	29145453	Gmdrm	hypo	CG	-0.43
Gm14	29206249	29206531	Gmdrm	hypo	CG	-0.0537
Gm14	29209486	29209609	Gmdrm	hypo	CG	-0.2584
Gm14	29262399	29262767	Gmdrm	hypo	CG	-0.0428
Gm14	29338810	29338971	Gmdrm	hypo	CG	-0.0542
Gm14	29371095	29371179	Gmdrm	hypo	CG	-0.922
Gm14	29383642	29383896	Gmdrm	hypo	CG	-0.0232
Gm14	29405104	29405332	Gmdrm	hypo	CG	-0.092
Gm14	29424430	29424622	Gmdrm	hypo	CG	-0.6057
Gm14	29429109	29429483	Gmdrm	hypo	CG	-0.8005
Gm14	29431022	29431334	Gmdrm	hypo	CG	-0.4629
Gm14	29443479	29443680	Gmdrm	hypo	CG	-0.067
Gm14	29444971	29445067	Gmdrm	hypo	CG	-0.052
Gm14	29461228	29461402	Gmdrm	hypo	CG	-0.0483
Gm14	29490548	29490753	Gmdrm	hypo	CG	-0.052
Gm14	29514270	29514320	Gmdrm	hypo	CG	-0.046
Gm14	29514635	29514644	Gmdrm	hypo	CG	-0.92
Gm14	29624974	29625066	Gmdrm	hypo	CG	-0.525
Gm14	29688577	29688637	Gmdrm	hypo	CG	-0.7412
Gm14	29753030	29753086	Gmdrm	hypo	CG	-0.4283
Gm14	29890782	29890969	Gmdrm	hypo	CG	-0.8
Gm14	29891594	29891694	Gmdrm	hypo	CG	-0.946
Gm14	29900431	29900638	Gmdrm	hypo	CG	-0.1486

Gm14	29919056	29919129	Gmdrm	hypo	CG	-0.0843
Gm14	29993645	29993785	Gmdrm	hypo	CG	-0.0394
Gm14	30000499	30000764	Gmdrm	hypo	CG	-0.6427
Gm14	30077865	30078114	Gmdrm	hypo	CG	-0.0423
Gm14	30095790	30095902	Gmdrm	hypo	CG	-0.0583
Gm14	30134328	30134446	Gmdrm	hypo	CG	-0.0383
Gm14	30134555	30134637	Gmdrm	hypo	CG	-0.775
Gm14	30287301	30287465	Gmdrm	hypo	CG	-0.477
Gm14	30375390	30375779	Gmdrm	hypo	CG	-0.0828
Gm14	30430252	30430728	Gmdrm	hypo	CG	-0.0287
Gm14	30446563	30446675	Gmdrm	hypo	CG	-0.0986
Gm14	30506907	30507010	Gmdrm	hypo	CG	-0.683
Gm14	30508719	30509717	Gmdrm	hypo	CG	-0.0251
Gm14	30511313	30511400	Gmdrm	hypo	CG	-0.716
Gm14	30541298	30542051	Gmdrm	hypo	CG	-0.0363
Gm14	30567463	30567542	Gmdrm	hypo	CG	-0.488
Gm14	30578460	30579007	Gmdrm	hypo	CG	-0.0452
Gm14	30614778	30614942	Gmdrm	hypo	CG	-0.1057
Gm14	30628578	30629054	Gmdrm	hypo	CG	-0.1089
Gm14	30650671	30650829	Gmdrm	hypo	CG	-0.6925
Gm14	30663155	30663206	Gmdrm	hypo	CG	-0.0688
Gm14	30671878	30671903	Gmdrm	hypo	CG	-0.168
Gm14	30817279	30817291	Gmdrm	hypo	CG	-0.078
Gm14	30837709	30837977	Gmdrm	hypo	CG	-0.1166
Gm14	30841660	30841716	Gmdrm	hypo	CG	-0.9788
Gm14	30842212	30842355	Gmdrm	hypo	CG	-0.0425
Gm14	30866735	30866782	Gmdrm	hypo	CG	-0.8612
Gm14	30885746	30885896	Gmdrm	hypo	CG	-0.2524
Gm14	30900515	30900645	Gmdrm	hypo	CG	-0.068
Gm14	30912253	30912381	Gmdrm	hypo	CG	-0.403
Gm14	30913873	30914010	Gmdrm	hypo	CG	-0.33
Gm14	30914737	30914873	Gmdrm	hypo	CG	-0.7725
Gm14	30939884	30939917	Gmdrm	hypo	CG	-0.7067
Gm14	30941426	30941467	Gmdrm	hypo	CG	-0.22
Gm14	30942588	30942677	Gmdrm	hypo	CG	-0.576
Gm14	30957107	30957184	Gmdrm	hypo	CG	-0.9466
Gm14	30965188	30965345	Gmdrm	hypo	CG	-0.158
Gm14	30994769	30995016	Gmdrm	hypo	CG	-0.0588
Gm14	31013125	31013712	Gmdrm	hypo	CG	-0.0248
Gm14	31017459	31017588	Gmdrm	hypo	CG	-0.1513
Gm14	31118013	31118231	Gmdrm	hypo	CG	-0.0506
Gm14	31155333	31156110	Gmdrm	hypo	CG	-0.0249
Gm14	31215494	31215603	Gmdrm	hypo	CG	-0.3078
Gm14	31245492	31245677	Gmdrm	hypo	CG	-0.611
Gm14	31246653	31246695	Gmdrm	hypo	CG	-0.2716
Gm14	31260064	31260219	Gmdrm	hypo	CG	-0.5871

Gm14	31263277	31263375	Gmdrm	hypo	CG	-0.68
Gm14	31282839	31283430	Gmdrm	hypo	CG	-0.0264
Gm14	31284766	31284859	Gmdrm	hypo	CG	-0.0487
Gm14	31287682	31287702	Gmdrm	hypo	CG	-0.24
Gm14	31319657	31320657	Gmdrm	hypo	CG	-0.0519
Gm14	31386997	31387056	Gmdrm	hypo	CG	-0.1378
Gm14	31392392	31392503	Gmdrm	hypo	CG	-0.1527
Gm14	31729799	31729917	Gmdrm	hypo	CG	-0.0992
Gm14	31846613	31847566	Gmdrm	hypo	CG	-0.0424
Gm14	31886398	31886607	Gmdrm	hypo	CG	-0.0513
Gm14	31953675	31954659	Gmdrm	hypo	CG	-0.037
Gm14	31978542	31978910	Gmdrm	hypo	CG	-0.0696
Gm14	32079811	32080162	Gmdrm	hypo	CG	-0.0729
Gm14	32113098	32113683	Gmdrm	hypo	CG	-0.05
Gm14	32116919	32117332	Gmdrm	hypo	CG	-0.036
Gm14	32204467	32205439	Gmdrm	hypo	CG	-0.0286
Gm14	32216082	32216501	Gmdrm	hypo	CG	-0.0413
Gm14	32235133	32235644	Gmdrm	hypo	CG	-0.0417
Gm14	32246849	32246921	Gmdrm	hypo	CG	-0.095
Gm14	32263132	32264113	Gmdrm	hypo	CG	-0.0484
Gm14	32277486	32277508	Gmdrm	hypo	CG	-0.13
Gm14	32463458	32463524	Gmdrm	hypo	CG	-0.825
Gm14	32465819	32465851	Gmdrm	hypo	CG	-0.2509
Gm14	32468635	32468755	Gmdrm	hypo	CG	-0.2117
Gm14	32470754	32471212	Gmdrm	hypo	CG	-0.0843
Gm14	32481667	32481803	Gmdrm	hypo	CG	-0.37
Gm14	32506894	32506942	Gmdrm	hypo	CG	-0.9833
Gm14	32599136	32599219	Gmdrm	hypo	CG	-0.0443
Gm14	32650198	32650334	Gmdrm	hypo	CG	-0.592
Gm14	32742191	32742387	Gmdrm	hypo	CG	-0.0536
Gm14	32745781	32745949	Gmdrm	hypo	CG	-0.93
Gm14	32759694	32759882	Gmdrm	hypo	CG	-0.0628
Gm14	32775276	32776087	Gmdrm	hypo	CG	-0.0384
Gm14	32838837	32838869	Gmdrm	hypo	CG	-0.92
Gm14	32846930	32847074	Gmdrm	hypo	CG	-0.1213
Gm14	32860053	32860149	Gmdrm	hypo	CG	-0.055
Gm14	32860502	32860728	Gmdrm	hypo	CG	-0.8716
Gm14	32886319	32886721	Gmdrm	hypo	CG	-0.1387
Gm14	32890069	32890726	Gmdrm	hypo	CG	-0.3193
Gm14	32902772	32903140	Gmdrm	hypo	CG	-0.0609
Gm14	33064997	33065105	Gmdrm	hypo	CG	-0.065
Gm14	33089599	33089657	Gmdrm	hypo	CG	-0.5025
Gm14	33093460	33093667	Gmdrm	hypo	CG	-0.0625
Gm14	33122005	33122178	Gmdrm	hypo	CG	-0.0552
Gm14	33140068	33140603	Gmdrm	hypo	CG	-0.013
Gm14	33143287	33143485	Gmdrm	hypo	CG	-0.134

Gm14	33207456	33207542	Gmdrm	hypo	CG	-0.93
Gm14	33242346	33243032	Gmdrm	hypo	CG	-0.0268
Gm14	33259451	33259986	Gmdrm	hypo	CG	-0.0343
Gm14	33267947	33268101	Gmdrm	hypo	CG	-0.055
Gm14	33283822	33283865	Gmdrm	hypo	CG	-0.12
Gm14	33368011	33368150	Gmdrm	hypo	CG	-0.131
Gm14	33368452	33368583	Gmdrm	hypo	CG	-0.86
Gm14	33401154	33401531	Gmdrm	hypo	CG	-0.0645
Gm14	33466950	33467100	Gmdrm	hypo	CG	-0.891
Gm14	33469236	33469355	Gmdrm	hypo	CG	-0.6063
Gm14	33469508	33469553	Gmdrm	hypo	CG	-0.416
Gm14	33523337	33523410	Gmdrm	hypo	CG	-0.0578
Gm14	33539154	33539184	Gmdrm	hypo	CG	-0.528
Gm14	33554010	33554103	Gmdrm	hypo	CG	-0.879
Gm14	33555737	33555883	Gmdrm	hypo	CG	-0.9432
Gm14	33557788	33558070	Gmdrm	hypo	CG	-0.0367
Gm14	33628804	33629046	Gmdrm	hypo	CG	-0.7289
Gm14	33632418	33632616	Gmdrm	hypo	CG	-0.2059
Gm14	33632717	33632832	Gmdrm	hypo	CG	-0.1113
Gm14	33755237	33755416	Gmdrm	hypo	CG	-0.1233
Gm14	33830552	33830639	Gmdrm	hypo	CG	-0.1172
Gm14	34008914	34009413	Gmdrm	hypo	CG	-0.0532
Gm14	34027710	34027760	Gmdrm	hypo	CG	-0.135
Gm14	34092244	34092454	Gmdrm	hypo	CG	-0.0944
Gm14	34094614	34094737	Gmdrm	hypo	CG	-0.051
Gm14	34108011	34108192	Gmdrm	hypo	CG	-0.07
Gm14	34166241	34166561	Gmdrm	hypo	CG	-0.0705
Gm14	34208807	34208897	Gmdrm	hypo	CG	-0.1113
Gm14	34275644	34276488	Gmdrm	hypo	CG	-0.0798
Gm14	34307538	34307900	Gmdrm	hypo	CG	-0.0489
Gm14	34362678	34362748	Gmdrm	hypo	CG	-0.765
Gm14	34411526	34411825	Gmdrm	hypo	CG	-0.2389
Gm14	34412659	34412927	Gmdrm	hypo	CG	-0.7706
Gm14	34457581	34457669	Gmdrm	hypo	CG	-0.195
Gm14	34461808	34462055	Gmdrm	hypo	CG	-0.0372
Gm14	34520091	34520406	Gmdrm	hypo	CG	-0.2022
Gm14	34541226	34541577	Gmdrm	hypo	CG	-0.0584
Gm14	34731816	34731864	Gmdrm	hypo	CG	-0.192
Gm14	34760450	34760517	Gmdrm	hypo	CG	-0.9233
Gm14	34762855	34762922	Gmdrm	hypo	CG	-0.04
Gm14	34880246	34881166	Gmdrm	hypo	CG	-0.0427
Gm14	34896398	34896952	Gmdrm	hypo	CG	-0.0449
Gm14	34916598	34916703	Gmdrm	hypo	CG	-0.665
Gm14	34922658	34922767	Gmdrm	hypo	CG	-0.436
Gm14	34922913	34923031	Gmdrm	hypo	CG	-0.3025
Gm14	34991958	34992736	Gmdrm	hypo	CG	-0.0348

Gm14	35006631	35006771	Gmdrm	hypo	CG	-0.5618
Gm14	35034065	35034140	Gmdrm	hypo	CG	-0.138
Gm14	35089603	35089781	Gmdrm	hypo	CG	-0.0587
Gm14	35315726	35316269	Gmdrm	hypo	CG	-0.0624
Gm14	35361096	35361230	Gmdrm	hypo	CG	-0.46
Gm14	35428074	35428160	Gmdrm	hypo	CG	-0.23
Gm14	35446439	35446809	Gmdrm	hypo	CG	-0.074
Gm14	35466833	35466961	Gmdrm	hypo	CG	-0.6487
Gm14	35467069	35467119	Gmdrm	hypo	CG	-0.206
Gm14	35473403	35473669	Gmdrm	hypo	CG	-0.3261
Gm14	35473912	35474131	Gmdrm	hypo	CG	-0.06
Gm14	35478397	35478759	Gmdrm	hypo	CG	-0.1402
Gm14	35494998	35495178	Gmdrm	hypo	CG	-0.0744
Gm14	35505161	35505456	Gmdrm	hypo	CG	-0.06
Gm14	35536681	35536746	Gmdrm	hypo	CG	-0.34
Gm14	35609290	35609899	Gmdrm	hypo	CG	-0.0268
Gm14	35681924	35682855	Gmdrm	hypo	CG	-0.0552
Gm14	35740277	35740744	Gmdrm	hypo	CG	-0.0488
Gm14	35761515	35761621	Gmdrm	hypo	CG	-0.046
Gm14	35765583	35765679	Gmdrm	hypo	CG	-0.6288
Gm14	35766657	35766794	Gmdrm	hypo	CG	-0.148
Gm14	35766926	35767038	Gmdrm	hypo	CG	-0.3834
Gm14	35767896	35768064	Gmdrm	hypo	CG	-0.0872
Gm14	35778357	35778411	Gmdrm	hypo	CG	-0.095
Gm14	35780929	35780991	Gmdrm	hypo	CG	-0.107
Gm14	35795441	35795537	Gmdrm	hypo	CG	-0.3125
Gm14	35820939	35821001	Gmdrm	hypo	CG	-0.1056
Gm14	35918882	35919053	Gmdrm	hypo	CG	-0.3021
Gm14	35922163	35922301	Gmdrm	hypo	CG	-0.7287
Gm14	35923676	35923788	Gmdrm	hypo	CG	-0.665
Gm14	35940072	35940270	Gmdrm	hypo	CG	-0.5963
Gm14	36001972	36002390	Gmdrm	hypo	CG	-0.0417
Gm14	36010899	36010959	Gmdrm	hypo	CG	-0.6012
Gm14	36015606	36016039	Gmdrm	hypo	CG	-0.295
Gm14	36105551	36106542	Gmdrm	hypo	CG	-0.0298
Gm14	36127176	36127571	Gmdrm	hypo	CG	-0.0173
Gm14	36226587	36226727	Gmdrm	hypo	CG	-0.3822
Gm14	36235811	36236017	Gmdrm	hypo	CG	-0.1621
Gm14	36264579	36264825	Gmdrm	hypo	CG	-0.0542
Gm14	36340956	36341177	Gmdrm	hypo	CG	-0.0465
Gm14	36342195	36342746	Gmdrm	hypo	CG	-0.0693
Gm14	36370448	36370905	Gmdrm	hypo	CG	-0.0389
Gm14	36519920	36520197	Gmdrm	hypo	CG	-0.073
Gm14	36532984	36533267	Gmdrm	hypo	CG	-0.3907
Gm14	36537888	36538099	Gmdrm	hypo	CG	-0.895
Gm14	36555977	36556323	Gmdrm	hypo	CG	-0.5941

Gm14	36557646	36557851	Gmdrm	hypo	CG	-0.7235
Gm14	36557966	36558165	Gmdrm	hypo	CG	-0.6975
Gm14	36726305	36726777	Gmdrm	hypo	CG	-0.0528
Gm14	36781309	36781368	Gmdrm	hypo	CG	-0.16
Gm14	36792399	36792614	Gmdrm	hypo	CG	-0.0513
Gm14	36819362	36819625	Gmdrm	hypo	CG	-0.0505
Gm14	36877397	36878120	Gmdrm	hypo	CG	-0.061
Gm14	36951521	36951725	Gmdrm	hypo	CG	-0.055
Gm14	37029286	37029613	Gmdrm	hypo	CG	-0.0632
Gm14	37124650	37124998	Gmdrm	hypo	CG	-0.0357
Gm14	37125317	37125829	Gmdrm	hypo	CG	-0.0461
Gm14	37418996	37419438	Gmdrm	hypo	CG	-0.0495
Gm14	37435262	37435335	Gmdrm	hypo	CG	-0.076
Gm14	37480101	37480197	Gmdrm	hypo	CG	-0.0322
Gm14	37585266	37585553	Gmdrm	hypo	CG	-0.4973
Gm14	37587178	37587200	Gmdrm	hypo	CG	-0.87
Gm14	37595455	37595685	Gmdrm	hypo	CG	-0.0808
Gm14	37597188	37597300	Gmdrm	hypo	CG	-0.036
Gm14	37604484	37604719	Gmdrm	hypo	CG	-0.08
Gm14	37619969	37620474	Gmdrm	hypo	CG	-0.032
Gm14	37648466	37648890	Gmdrm	hypo	CG	-0.0503
Gm14	37666964	37667092	Gmdrm	hypo	CG	-0.12
Gm14	37768181	37768496	Gmdrm	hypo	CG	-0.0672
Gm14	37841908	37842382	Gmdrm	hypo	CG	-0.0883
Gm14	37855118	37855216	Gmdrm	hypo	CG	-0.955
Gm14	37856862	37857027	Gmdrm	hypo	CG	-0.624
Gm14	37902223	37902446	Gmdrm	hypo	CG	-0.0593
Gm14	37947660	37947700	Gmdrm	hypo	CG	-0.2717
Gm14	37977834	37978051	Gmdrm	hypo	CG	-0.0445
Gm14	38007802	38007896	Gmdrm	hypo	CG	-0.09
Gm14	38115755	38116019	Gmdrm	hypo	CG	-0.0491
Gm14	38246337	38246653	Gmdrm	hypo	CG	-0.0359
Gm14	38258741	38259296	Gmdrm	hypo	CG	-0.087
Gm14	38259420	38259893	Gmdrm	hypo	CG	-0.3213
Gm14	38261380	38261674	Gmdrm	hypo	CG	-0.64
Gm14	38298369	38298653	Gmdrm	hypo	CG	-0.0512
Gm14	38307333	38307528	Gmdrm	hypo	CG	-0.1
Gm14	38354730	38354941	Gmdrm	hypo	CG	-0.275
Gm14	38357787	38358038	Gmdrm	hypo	CG	-0.272
Gm14	38361562	38361714	Gmdrm	hypo	CG	-0.4258
Gm14	38370013	38370279	Gmdrm	hypo	CG	-0.1211
Gm14	38370399	38370495	Gmdrm	hypo	CG	-0.5
Gm14	38426121	38426436	Gmdrm	hypo	CG	-0.053
Gm14	38437922	38438609	Gmdrm	hypo	CG	-0.0329
Gm14	38463979	38464356	Gmdrm	hypo	CG	-0.0379
Gm14	38587747	38587898	Gmdrm	hypo	CG	-0.0475

Gm14	38737031	38737238	Gmdrm	hypo	CG	-0.0372
Gm14	38750846	38751181	Gmdrm	hypo	CG	-0.0633
Gm14	38756495	38757003	Gmdrm	hypo	CG	-0.0623
Gm14	38882501	38883498	Gmdrm	hypo	CG	-0.0338
Gm14	38901874	38902207	Gmdrm	hypo	CG	-0.034
Gm14	38907599	38907722	Gmdrm	hypo	CG	-0.055
Gm14	38957496	38957808	Gmdrm	hypo	CG	-0.0745
Gm14	38986171	38986350	Gmdrm	hypo	CG	-0.0982
Gm14	39016436	39016530	Gmdrm	hypo	CG	-0.6872
Gm14	39053896	39054123	Gmdrm	hypo	CG	-0.08
Gm14	39077639	39077680	Gmdrm	hypo	CG	-0.095
Gm14	39086656	39086784	Gmdrm	hypo	CG	-0.4641
Gm14	39087987	39088067	Gmdrm	hypo	CG	-0.4366
Gm14	39125878	39126456	Gmdrm	hypo	CG	-0.0469
Gm14	39171223	39171515	Gmdrm	hypo	CG	-0.6518
Gm14	39297160	39297948	Gmdrm	hypo	CG	-0.044
Gm14	39347656	39348064	Gmdrm	hypo	CG	-0.03
Gm14	39387073	39387595	Gmdrm	hypo	CG	-0.0497
Gm14	39398633	39398761	Gmdrm	hypo	CG	-0.0925
Gm14	39420615	39420918	Gmdrm	hypo	CG	-0.0393
Gm14	39424054	39424219	Gmdrm	hypo	CG	-0.1082
Gm14	39429395	39429811	Gmdrm	hypo	CG	-0.0507
Gm14	39488632	39488672	Gmdrm	hypo	CG	-0.048
Gm14	39501228	39501311	Gmdrm	hypo	CG	-0.065
Gm14	39525081	39525837	Gmdrm	hypo	CG	-0.0156
Gm14	39624539	39624845	Gmdrm	hypo	CG	-0.0772
Gm14	39709183	39710155	Gmdrm	hypo	CG	-0.0355
Gm14	39788742	39788881	Gmdrm	hypo	CG	-0.0567
Gm14	39876006	39876165	Gmdrm	hypo	CG	-0.0473
Gm14	39945480	39945544	Gmdrm	hypo	CG	-0.1067
Gm14	40008316	40008432	Gmdrm	hypo	CG	-0.128
Gm14	40024278	40024324	Gmdrm	hypo	CG	-0.1567
Gm14	40031099	40031171	Gmdrm	hypo	CG	-0.0766
Gm14	40033048	40033424	Gmdrm	hypo	CG	-0.0516
Gm14	40106696	40106858	Gmdrm	hypo	CG	-0.0908
Gm14	40176824	40177176	Gmdrm	hypo	CG	-0.0364
Gm14	40236923	40237529	Gmdrm	hypo	CG	-0.0645
Gm14	40277374	40277896	Gmdrm	hypo	CG	-0.0467
Gm14	40297794	40297969	Gmdrm	hypo	CG	-0.3016
Gm14	40298774	40299132	Gmdrm	hypo	CG	-0.061
Gm14	40388937	40389581	Gmdrm	hypo	CG	-0.0605
Gm14	40430344	40430435	Gmdrm	hypo	CG	-0.0513
Gm14	40751603	40751664	Gmdrm	hypo	CG	-0.065
Gm14	40760884	40760960	Gmdrm	hypo	CG	-0.7034
Gm14	40789661	40789757	Gmdrm	hypo	CG	-0.5884
Gm14	40790815	40790898	Gmdrm	hypo	CG	-0.521

Gm14	40791030	40791147	Gmdrm	hypo	CG	-0.56
Gm14	40959327	40959425	Gmdrm	hypo	CG	-0.1442
Gm14	40964209	40964406	Gmdrm	hypo	CG	-0.4609
Gm14	40980285	40980376	Gmdrm	hypo	CG	-0.096
Gm14	41013424	41013997	Gmdrm	hypo	CG	-0.0373
Gm14	41049936	41050116	Gmdrm	hypo	CG	-0.0333
Gm14	41054252	41055006	Gmdrm	hypo	CG	-0.0209
Gm14	41177156	41177276	Gmdrm	hypo	CG	-0.809
Gm14	41267325	41267643	Gmdrm	hypo	CG	-0.3713
Gm14	41269172	41269921	Gmdrm	hypo	CG	-0.0989
Gm14	41286389	41286564	Gmdrm	hypo	CG	-0.1783
Gm14	41305973	41306492	Gmdrm	hypo	CG	-0.0363
Gm14	41320041	41320316	Gmdrm	hypo	CG	-0.024
Gm14	41323223	41323758	Gmdrm	hypo	CG	-0.4166
Gm14	41330812	41331684	Gmdrm	hypo	CG	-0.0622
Gm14	41382572	41382636	Gmdrm	hypo	CG	-0.07
Gm14	41418006	41418206	Gmdrm	hypo	CG	-0.32
Gm14	41431846	41431928	Gmdrm	hypo	CG	-0.6617
Gm14	41472211	41472315	Gmdrm	hypo	CG	-0.8687
Gm14	41511103	41511154	Gmdrm	hypo	CG	-0.9737
Gm14	41532702	41532746	Gmdrm	hypo	CG	-0.7017
Gm14	41570382	41570466	Gmdrm	hypo	CG	-0.188
Gm14	41597383	41597498	Gmdrm	hypo	CG	-0.415
Gm14	41599828	41600185	Gmdrm	hypo	CG	-0.2186
Gm14	41654229	41654416	Gmdrm	hypo	CG	-0.3314
Gm14	41775436	41776202	Gmdrm	hypo	CG	-0.0677
Gm14	41828804	41828827	Gmdrm	hypo	CG	-0.1483
Gm14	41841283	41841360	Gmdrm	hypo	CG	-0.7217
Gm14	41842823	41842986	Gmdrm	hypo	CG	-0.3486
Gm14	41861784	41862000	Gmdrm	hypo	CG	-0.0439
Gm14	41889953	41889998	Gmdrm	hypo	CG	-0.835
Gm14	41903433	41903736	Gmdrm	hypo	CG	-0.0423
Gm14	41910065	41910294	Gmdrm	hypo	CG	-0.1475
Gm14	41953279	41953425	Gmdrm	hypo	CG	-0.0317
Gm14	41956077	41956262	Gmdrm	hypo	CG	-0.8941
Gm14	41957115	41957387	Gmdrm	hypo	CG	-0.785
Gm14	41973174	41973291	Gmdrm	hypo	CG	-0.4136
Gm14	42025093	42025209	Gmdrm	hypo	CG	-0.3833
Gm14	42057667	42057763	Gmdrm	hypo	CG	-0.394
Gm14	42077895	42078566	Gmdrm	hypo	CG	-0.0327
Gm14	42106222	42106368	Gmdrm	hypo	CG	-0.066
Gm14	42130231	42130352	Gmdrm	hypo	CG	-0.967
Gm14	42169190	42169495	Gmdrm	hypo	CG	-0.0794
Gm14	42184421	42184695	Gmdrm	hypo	CG	-0.2164
Gm14	42184877	42185298	Gmdrm	hypo	CG	-0.075
Gm14	42185438	42185496	Gmdrm	hypo	CG	-0.1234

Gm14	42186685	42186791	Gmdrm	hypo	CG	-0.639
Gm14	42199956	42200133	Gmdrm	hypo	CG	-0.4613
Gm14	42215567	42216024	Gmdrm	hypo	CG	-0.0435
Gm14	42241526	42241582	Gmdrm	hypo	CG	-0.146
Gm14	42264979	42265124	Gmdrm	hypo	CG	-0.123
Gm14	42311485	42311617	Gmdrm	hypo	CG	-0.085
Gm14	42323179	42323538	Gmdrm	hypo	CG	-0.0933
Gm14	42367191	42367327	Gmdrm	hypo	CG	-0.782
Gm14	42368518	42368863	Gmdrm	hypo	CG	-0.9057
Gm14	42368974	42369239	Gmdrm	hypo	CG	-0.7085
Gm14	42382616	42382986	Gmdrm	hypo	CG	-0.1878
Gm14	42384784	42385077	Gmdrm	hypo	CG	-0.1383
Gm14	42407604	42407983	Gmdrm	hypo	CG	-0.1841
Gm14	42410577	42410672	Gmdrm	hypo	CG	-0.9433
Gm14	42411624	42411660	Gmdrm	hypo	CG	-0.475
Gm14	42452870	42453074	Gmdrm	hypo	CG	-0.2093
Gm14	42482083	42482201	Gmdrm	hypo	CG	-0.0473
Gm14	42601225	42601296	Gmdrm	hypo	CG	-0.9066
Gm14	42662277	42662325	Gmdrm	hypo	CG	-0.724
Gm14	42662447	42662504	Gmdrm	hypo	CG	-0.064
Gm14	42681893	42681988	Gmdrm	hypo	CG	-0.1184
Gm14	42701159	42701256	Gmdrm	hypo	CG	-0.085
Gm14	42724068	42724197	Gmdrm	hypo	CG	-0.785
Gm14	42724369	42724503	Gmdrm	hypo	CG	-0.196
Gm14	42780879	42781030	Gmdrm	hypo	CG	-0.0414
Gm14	42782191	42782337	Gmdrm	hypo	CG	-0.5917
Gm14	42783718	42783984	Gmdrm	hypo	CG	-0.5131
Gm14	42784397	42784508	Gmdrm	hypo	CG	-0.395
Gm14	42784715	42784816	Gmdrm	hypo	CG	-0.8424
Gm14	42791739	42791836	Gmdrm	hypo	CG	-0.2887
Gm14	42835762	42835955	Gmdrm	hypo	CG	-0.6788
Gm14	42855305	42855348	Gmdrm	hypo	CG	-0.4275
Gm14	42884693	42884887	Gmdrm	hypo	CG	-0.6337
Gm14	42885709	42885909	Gmdrm	hypo	CG	-0.6867
Gm14	42896412	42896687	Gmdrm	hypo	CG	-0.175
Gm14	42903365	42903499	Gmdrm	hypo	CG	-0.0716
Gm14	42942747	42942978	Gmdrm	hypo	CG	-0.0474
Gm14	42948662	42948733	Gmdrm	hypo	CG	-0.0771
Gm14	42951606	42951785	Gmdrm	hypo	CG	-0.51
Gm14	42998816	42998977	Gmdrm	hypo	CG	-0.2433
Gm14	43018562	43018814	Gmdrm	hypo	CG	-0.0544
Gm14	43062965	43063162	Gmdrm	hypo	CG	-0.1122
Gm14	43072591	43072696	Gmdrm	hypo	CG	-0.094
Gm14	43091195	43091420	Gmdrm	hypo	CG	-0.0682
Gm14	43112261	43112400	Gmdrm	hypo	CG	-0.2528
Gm14	43112516	43112812	Gmdrm	hypo	CG	-0.2172

Gm14	43133065	43133528	Gmdrm	hypo	CG	-0.0472
Gm14	43184644	43185325	Gmdrm	hypo	CG	-0.8527
Gm14	43185637	43186137	Gmdrm	hypo	CG	-0.6245
Gm14	43186271	43186536	Gmdrm	hypo	CG	-0.7825
Gm14	43186641	43186775	Gmdrm	hypo	CG	-0.8312
Gm14	43187885	43187995	Gmdrm	hypo	CG	-0.1825
Gm14	43242358	43242673	Gmdrm	hypo	CG	-0.228
Gm14	43258077	43258147	Gmdrm	hypo	CG	-0.06
Gm14	43290160	43290191	Gmdrm	hypo	CG	-0.0675
Gm14	43301267	43301450	Gmdrm	hypo	CG	-0.19
Gm14	43320822	43320875	Gmdrm	hypo	CG	-0.8783
Gm14	43321000	43321101	Gmdrm	hypo	CG	-0.8717
Gm14	43325179	43325293	Gmdrm	hypo	CG	-0.42
Gm14	43330007	43330177	Gmdrm	hypo	CG	-0.85
Gm14	43330637	43330868	Gmdrm	hypo	CG	-0.8893
Gm14	43352483	43352747	Gmdrm	hypo	CG	-0.8703
Gm14	43381386	43381540	Gmdrm	hypo	CG	-0.7119
Gm14	43381780	43381842	Gmdrm	hypo	CG	-0.75
Gm14	43402925	43402960	Gmdrm	hypo	CG	-0.0567
Gm14	43424208	43424293	Gmdrm	hypo	CG	-0.2484
Gm14	43441817	43441933	Gmdrm	hypo	CG	-0.375
Gm14	43457932	43458169	Gmdrm	hypo	CG	-0.8936
Gm14	43487174	43487265	Gmdrm	hypo	CG	-0.07
Gm14	43505472	43505569	Gmdrm	hypo	CG	-0.9258
Gm14	43505688	43505907	Gmdrm	hypo	CG	-0.37
Gm14	43506519	43506762	Gmdrm	hypo	CG	-0.8144
Gm14	43510718	43510907	Gmdrm	hypo	CG	-0.8534
Gm14	43538310	43538607	Gmdrm	hypo	CG	-0.8539
Gm14	43543514	43543727	Gmdrm	hypo	CG	-0.8908
Gm14	43543987	43544073	Gmdrm	hypo	CG	-0.5933
Gm14	43551578	43552068	Gmdrm	hypo	CG	-0.0328
Gm14	43557091	43557132	Gmdrm	hypo	CG	-0.0966
Gm14	43567954	43568072	Gmdrm	hypo	CG	-0.7167
Gm14	43568181	43568319	Gmdrm	hypo	CG	-0.6267
Gm14	43577111	43577229	Gmdrm	hypo	CG	-0.4926
Gm14	43581969	43582081	Gmdrm	hypo	CG	-0.2592
Gm14	43598929	43599048	Gmdrm	hypo	CG	-0.03
Gm14	43600706	43600802	Gmdrm	hypo	CG	-0.675
Gm14	43601069	43601322	Gmdrm	hypo	CG	-0.3354
Gm14	43601449	43601578	Gmdrm	hypo	CG	-0.9536
Gm14	43608001	43608825	Gmdrm	hypo	CG	-0.0713
Gm14	43639598	43639927	Gmdrm	hypo	CG	-0.1036
Gm14	43644518	43645098	Gmdrm	hypo	CG	-0.14
Gm14	43646057	43646226	Gmdrm	hypo	CG	-0.9516
Gm14	43660121	43660221	Gmdrm	hypo	CG	-0.535
Gm14	43660761	43660828	Gmdrm	hypo	CG	-0.895

Gm14	43667190	43667611	Gmdrm	hypo	CG	-0.047
Gm14	43710936	43711060	Gmdrm	hypo	CG	-0.795
Gm14	43712490	43712652	Gmdrm	hypo	CG	-0.601
Gm14	43725656	43725890	Gmdrm	hypo	CG	-0.8
Gm14	43734297	43734592	Gmdrm	hypo	CG	-0.1033
Gm14	43736368	43736626	Gmdrm	hypo	CG	-0.1267
Gm14	43738482	43738710	Gmdrm	hypo	CG	-0.36
Gm14	43759582	43759759	Gmdrm	hypo	CG	-0.4025
Gm14	43799536	43799867	Gmdrm	hypo	CG	-0.4175
Gm14	43806568	43806599	Gmdrm	hypo	CG	-0.264
Gm14	43807518	43807578	Gmdrm	hypo	CG	-0.22
Gm14	43862118	43862232	Gmdrm	hypo	CG	-0.8433
Gm14	43863216	43863462	Gmdrm	hypo	CG	-0.7306
Gm14	43873697	43873821	Gmdrm	hypo	CG	-0.1741
Gm14	43945238	43945320	Gmdrm	hypo	CG	-0.2767
Gm14	43953069	43953265	Gmdrm	hypo	CG	-0.9541
Gm14	43958418	43958511	Gmdrm	hypo	CG	-0.8628
Gm14	43962953	43963951	Gmdrm	hypo	CG	-0.0324
Gm14	43986737	43986851	Gmdrm	hypo	CG	-0.06
Gm14	44017261	44017521	Gmdrm	hypo	CG	-0.0393
Gm14	44097953	44098030	Gmdrm	hypo	CG	-0.91
Gm14	44102796	44103077	Gmdrm	hypo	CG	-0.8944
Gm14	44114602	44114932	Gmdrm	hypo	CG	-0.7573
Gm14	44194691	44194755	Gmdrm	hypo	CG	-0.3737
Gm14	44199148	44199284	Gmdrm	hypo	CG	-0.7405
Gm14	44211539	44211593	Gmdrm	hypo	CG	-0.4117
Gm14	44235464	44235553	Gmdrm	hypo	CG	-0.225
Gm14	44251194	44251293	Gmdrm	hypo	CG	-0.0467
Gm14	44269124	44269575	Gmdrm	hypo	CG	-0.4788
Gm14	44270757	44270888	Gmdrm	hypo	CG	-0.6016
Gm14	44271894	44272120	Gmdrm	hypo	CG	-0.0669
Gm14	44340555	44341064	Gmdrm	hypo	CG	-0.1138
Gm14	44344519	44344529	Gmdrm	hypo	CG	-0.36
Gm14	44394112	44394428	Gmdrm	hypo	CG	-0.414
Gm14	44408932	44409062	Gmdrm	hypo	CG	-0.7513
Gm14	44425926	44426011	Gmdrm	hypo	CG	-0.0629
Gm14	44435469	44435604	Gmdrm	hypo	CG	-0.972
Gm14	44444745	44444925	Gmdrm	hypo	CG	-0.213
Gm14	44470605	44470697	Gmdrm	hypo	CG	-0.1183
Gm14	44471394	44471499	Gmdrm	hypo	CG	-0.5317
Gm14	44471847	44472005	Gmdrm	hypo	CG	-0.5084
Gm14	44476680	44476802	Gmdrm	hypo	CG	-0.115
Gm14	44477192	44477216	Gmdrm	hypo	CG	-0.0716
Gm14	44483106	44483203	Gmdrm	hypo	CG	-0.115
Gm14	44486174	44486295	Gmdrm	hypo	CG	-0.629
Gm14	44494267	44494388	Gmdrm	hypo	CG	-0.6467

Gm14	44494594	44494741 Gmdrm	hypo	CG	-0.513
Gm14	44505424	44505507 Gmdrm	hypo	CG	-0.9017
Gm14	44509513	44509777 Gmdrm	hypo	CG	-0.0307
Gm14	44511892	44512225 Gmdrm	hypo	CG	-0.5629
Gm14	44518233	44518270 Gmdrm	hypo	CG	-0.6567
Gm14	44518397	44518601 Gmdrm	hypo	CG	-0.6691
Gm14	44590586	44590616 Gmdrm	hypo	CG	-0.19
Gm14	44608420	44608567 Gmdrm	hypo	CG	-0.1425
Gm14	44608692	44609091 Gmdrm	hypo	CG	-0.3687
Gm14	44649053	44649319 Gmdrm	hypo	CG	-0.07
Gm14	44654428	44654474 Gmdrm	hypo	CG	-0.2267
Gm14	44668079	44668203 Gmdrm	hypo	CG	-0.0875
Gm14	44674360	44674765 Gmdrm	hypo	CG	-0.508
Gm14	44676447	44676575 Gmdrm	hypo	CG	-0.5489
Gm14	44683187	44683350 Gmdrm	hypo	CG	-0.605
Gm14	44704501	44705271 Gmdrm	hypo	CG	-0.0437
Gm14	44727689	44727949 Gmdrm	hypo	CG	-0.1383
Gm14	44731058	44731118 Gmdrm	hypo	CG	-0.5499
Gm14	44731248	44731320 Gmdrm	hypo	CG	-0.56
Gm14	44763618	44763729 Gmdrm	hypo	CG	-0.375
Gm14	44764713	44764816 Gmdrm	hypo	CG	-0.2575
Gm14	44765059	44765121 Gmdrm	hypo	CG	-0.88
Gm14	44771093	44771406 Gmdrm	hypo	CG	-0.0788
Gm14	44791225	44791362 Gmdrm	hypo	CG	-0.1029
Gm14	44797073	44797343 Gmdrm	hypo	CG	-0.0433
Gm14	44803144	44803291 Gmdrm	hypo	CG	-0.8787
Gm14	44823560	44824305 Gmdrm	hypo	CG	-0.0338
Gm14	44841295	44841786 Gmdrm	hypo	CG	-0.71
Gm14	44854013	44854193 Gmdrm	hypo	CG	-0.2975
Gm14	44854375	44854569 Gmdrm	hypo	CG	-0.03
Gm14	44860964	44861042 Gmdrm	hypo	CG	-0.605
Gm14	44894316	44894416 Gmdrm	hypo	CG	-0.9266
Gm14	44902618	44903374 Gmdrm	hypo	CG	-0.0254
Gm14	44909379	44909448 Gmdrm	hypo	CG	-0.9775
Gm14	44920291	44920440 Gmdrm	hypo	CG	-0.91
Gm14	44954509	44955370 Gmdrm	hypo	CG	-0.0374
Gm14	44958888	44959151 Gmdrm	hypo	CG	-0.2517
Gm14	44960380	44960494 Gmdrm	hypo	CG	-0.8075
Gm14	44979634	44979928 Gmdrm	hypo	CG	-0.925
Gm14	44998409	44998438 Gmdrm	hypo	CG	-0.2183
Gm14	45016324	45016334 Gmdrm	hypo	CG	-0.925
Gm14	45042776	45042924 Gmdrm	hypo	CG	-0.3528
Gm14	45060333	45060464 Gmdrm	hypo	CG	-0.555
Gm14	45060962	45061053 Gmdrm	hypo	CG	-0.7737
Gm14	45074769	45074992 Gmdrm	hypo	CG	-0.59
Gm14	45075658	45075805 Gmdrm	hypo	CG	-0.2811

Gm14	45085480	45085611	Gmdrm	hypo	CG	-0.8785
Gm14	45087653	45087864	Gmdrm	hypo	CG	-0.381
Gm14	45088952	45088973	Gmdrm	hypo	CG	-0.65
Gm14	45096536	45096593	Gmdrm	hypo	CG	-0.03
Gm14	45097062	45097174	Gmdrm	hypo	CG	-0.6867
Gm14	45151934	45152056	Gmdrm	hypo	CG	-0.535
Gm14	45162361	45162391	Gmdrm	hypo	CG	-0.7384
Gm14	45200826	45201281	Gmdrm	hypo	CG	-0.2542
Gm14	45246018	45246658	Gmdrm	hypo	CG	-0.306
Gm14	45268206	45268704	Gmdrm	hypo	CG	-0.9272
Gm14	45269177	45269355	Gmdrm	hypo	CG	-0.39
Gm14	45297618	45297658	Gmdrm	hypo	CG	-0.0933
Gm14	45309366	45309462	Gmdrm	hypo	CG	-0.8688
Gm14	45309677	45309810	Gmdrm	hypo	CG	-0.038
Gm14	45319231	45319358	Gmdrm	hypo	CG	-0.7564
Gm14	45319651	45319876	Gmdrm	hypo	CG	-0.5205
Gm14	45321359	45321462	Gmdrm	hypo	CG	-0.8816
Gm14	45357004	45357047	Gmdrm	hypo	CG	-0.1484
Gm14	45376055	45376417	Gmdrm	hypo	CG	-0.8595
Gm14	45383405	45383682	Gmdrm	hypo	CG	-0.1952
Gm14	45388232	45388279	Gmdrm	hypo	CG	-0.9062
Gm14	45391461	45391559	Gmdrm	hypo	CG	-0.8229
Gm14	45417991	45418066	Gmdrm	hypo	CG	-0.56
Gm14	45419911	45419977	Gmdrm	hypo	CG	-0.245
Gm14	45420371	45420491	Gmdrm	hypo	CG	-0.878
Gm14	45422440	45422633	Gmdrm	hypo	CG	-0.0995
Gm14	45423337	45423398	Gmdrm	hypo	CG	-0.056
Gm14	45426920	45426961	Gmdrm	hypo	CG	-0.69
Gm14	45438568	45438806	Gmdrm	hypo	CG	-0.499
Gm14	45442150	45442185	Gmdrm	hypo	CG	-0.74
Gm14	45452872	45452908	Gmdrm	hypo	CG	-0.0963
Gm14	45467601	45467754	Gmdrm	hypo	CG	-0.5209
Gm14	45467947	45468026	Gmdrm	hypo	CG	-0.9083
Gm14	45473345	45473359	Gmdrm	hypo	CG	-0.2613
Gm14	45473924	45474119	Gmdrm	hypo	CG	-0.8086
Gm14	45475772	45475852	Gmdrm	hypo	CG	-0.5099
Gm14	45485536	45485911	Gmdrm	hypo	CG	-0.4652
Gm14	45499388	45499589	Gmdrm	hypo	CG	-0.0286
Gm14	45527912	45528078	Gmdrm	hypo	CG	-0.685
Gm14	45557769	45557868	Gmdrm	hypo	CG	-0.3338
Gm14	45558508	45558580	Gmdrm	hypo	CG	-0.7828
Gm14	45606209	45606428	Gmdrm	hypo	CG	-0.7164
Gm14	45610475	45610747	Gmdrm	hypo	CG	-0.03
Gm14	45638985	45639593	Gmdrm	hypo	CG	-0.038
Gm14	45645447	45645638	Gmdrm	hypo	CG	-0.2238
Gm14	45659722	45659891	Gmdrm	hypo	CG	-0.3535

Gm14	45660678	45661000 Gmdrm	hypo	CG	-0.0663
Gm14	45675954	45676014 Gmdrm	hypo	CG	-0.318
Gm14	45679656	45679746 Gmdrm	hypo	CG	-0.716
Gm14	45700301	45700456 Gmdrm	hypo	CG	-0.7925
Gm14	45703187	45703289 Gmdrm	hypo	CG	-0.7466
Gm14	45751457	45751623 Gmdrm	hypo	CG	-0.3258
Gm14	45758094	45758174 Gmdrm	hypo	CG	-0.6817
Gm14	45764953	45765235 Gmdrm	hypo	CG	-0.8489
Gm14	45776772	45776900 Gmdrm	hypo	CG	-0.4962
Gm14	45777388	45777473 Gmdrm	hypo	CG	-0.3038
Gm14	45778291	45778622 Gmdrm	hypo	CG	-0.2112
Gm14	45779337	45779786 Gmdrm	hypo	CG	-0.35
Gm14	45790839	45790922 Gmdrm	hypo	CG	-0.596
Gm14	45791074	45791515 Gmdrm	hypo	CG	-0.1096
Gm14	45794260	45794471 Gmdrm	hypo	CG	-0.7033
Gm14	45794747	45794941 Gmdrm	hypo	CG	-0.7522
Gm14	45797584	45797609 Gmdrm	hypo	CG	-0.272
Gm14	45798002	45798142 Gmdrm	hypo	CG	-0.4237
Gm14	45798638	45798713 Gmdrm	hypo	CG	-0.5825
Gm14	45799255	45799385 Gmdrm	hypo	CG	-0.6175
Gm14	45799486	45799620 Gmdrm	hypo	CG	-0.192
Gm14	45821561	45822257 Gmdrm	hypo	CG	-0.0294
Gm14	45826565	45826784 Gmdrm	hypo	CG	-0.438
Gm14	45829083	45829262 Gmdrm	hypo	CG	-0.5928
Gm14	45836326	45836357 Gmdrm	hypo	CG	-0.3238
Gm14	45836471	45836547 Gmdrm	hypo	CG	-0.611
Gm14	45836655	45836759 Gmdrm	hypo	CG	-0.7425
Gm14	45837849	45837966 Gmdrm	hypo	CG	-0.066
Gm14	45841452	45841620 Gmdrm	hypo	CG	-0.7157
Gm14	45842445	45842519 Gmdrm	hypo	CG	-0.815
Gm14	45852531	45852595 Gmdrm	hypo	CG	-0.046
Gm14	45853912	45854071 Gmdrm	hypo	CG	-0.9643
Gm14	45857042	45857246 Gmdrm	hypo	CG	-0.4206
Gm14	45890431	45890537 Gmdrm	hypo	CG	-0.413
Gm14	45893022	45893167 Gmdrm	hypo	CG	-0.9206
Gm14	45905691	45905811 Gmdrm	hypo	CG	-0.1266
Gm14	45912692	45912887 Gmdrm	hypo	CG	-0.7153
Gm14	45916007	45916068 Gmdrm	hypo	CG	-0.975
Gm14	45920613	45920764 Gmdrm	hypo	CG	-0.959
Gm14	45932709	45933257 Gmdrm	hypo	CG	-0.0394
Gm14	45968746	45968931 Gmdrm	hypo	CG	-0.812
Gm14	45969924	45969950 Gmdrm	hypo	CG	-0.04
Gm14	45971680	45971820 Gmdrm	hypo	CG	-0.3512
Gm14	45987532	45987566 Gmdrm	hypo	CG	-0.806
Gm14	45987683	45988018 Gmdrm	hypo	CG	-0.4656
Gm14	45997681	45997852 Gmdrm	hypo	CG	-0.9249

Gm14	45999434	45999658	Gmdrm	hypo	CG	-0.7791
Gm14	46005959	46006312	Gmdrm	hypo	CG	-0.7055
Gm14	46012296	46012731	Gmdrm	hypo	CG	-0.2743
Gm14	46032110	46032216	Gmdrm	hypo	CG	-0.3275
Gm14	46058626	46058739	Gmdrm	hypo	CG	-0.594
Gm14	46061667	46061780	Gmdrm	hypo	CG	-0.895
Gm14	46061915	46062060	Gmdrm	hypo	CG	-0.4287
Gm14	46100980	46101341	Gmdrm	hypo	CG	-0.2875
Gm14	46101452	46101588	Gmdrm	hypo	CG	-0.3287
Gm14	46109660	46109963	Gmdrm	hypo	CG	-0.77
Gm14	46110401	46110492	Gmdrm	hypo	CG	-0.8266
Gm14	46110595	46110703	Gmdrm	hypo	CG	-0.7184
Gm14	46140415	46140556	Gmdrm	hypo	CG	-0.1166
Gm14	46161206	46161307	Gmdrm	hypo	CG	-0.6183
Gm14	46161989	46162207	Gmdrm	hypo	CG	-0.1972
Gm14	46165725	46165781	Gmdrm	hypo	CG	-0.8534
Gm14	46178281	46178434	Gmdrm	hypo	CG	-0.3542
Gm14	46192842	46192945	Gmdrm	hypo	CG	-0.5667
Gm14	46212437	46212562	Gmdrm	hypo	CG	-0.9507
Gm14	46267487	46267652	Gmdrm	hypo	CG	-0.0358
Gm14	46277047	46277259	Gmdrm	hypo	CG	-0.3556
Gm14	46278669	46278841	Gmdrm	hypo	CG	-0.9
Gm14	46287854	46288009	Gmdrm	hypo	CG	-0.2833
Gm14	46300906	46300940	Gmdrm	hypo	CG	-0.1584
Gm14	46301064	46301270	Gmdrm	hypo	CG	-0.348
Gm14	46316178	46316317	Gmdrm	hypo	CG	-0.1551
Gm14	46339635	46340131	Gmdrm	hypo	CG	-0.3393
Gm14	46341304	46341350	Gmdrm	hypo	CG	-0.9267
Gm14	46343623	46343965	Gmdrm	hypo	CG	-0.9365
Gm14	46357120	46357301	Gmdrm	hypo	CG	-0.79
Gm14	46362252	46362395	Gmdrm	hypo	CG	-0.905
Gm14	46378597	46378686	Gmdrm	hypo	CG	-0.026
Gm14	46398784	46398938	Gmdrm	hypo	CG	-0.4286
Gm14	46399128	46399327	Gmdrm	hypo	CG	-0.1225
Gm14	46404496	46404591	Gmdrm	hypo	CG	-0.332
Gm14	46406864	46407185	Gmdrm	hypo	CG	-0.3795
Gm14	46415166	46415273	Gmdrm	hypo	CG	-0.0581
Gm14	46450145	46450320	Gmdrm	hypo	CG	-0.2711
Gm14	46450552	46450648	Gmdrm	hypo	CG	-0.185
Gm14	46458321	46458498	Gmdrm	hypo	CG	-0.9566
Gm14	46466962	46467052	Gmdrm	hypo	CG	-0.4
Gm14	46467185	46467319	Gmdrm	hypo	CG	-0.1117
Gm14	46469749	46469894	Gmdrm	hypo	CG	-0.3817
Gm14	46470060	46470156	Gmdrm	hypo	CG	-0.2812
Gm14	46474416	46474510	Gmdrm	hypo	CG	-0.09
Gm14	46476268	46476359	Gmdrm	hypo	CG	-0.066

Gm14	46481629	46481866	Gmdrm	hypo	CG	-0.062
Gm14	46482399	46482480	Gmdrm	hypo	CG	-0.6225
Gm14	46484056	46484198	Gmdrm	hypo	CG	-0.323
Gm14	46497394	46497636	Gmdrm	hypo	CG	-0.08
Gm14	46497770	46497884	Gmdrm	hypo	CG	-0.448
Gm14	46507907	46508364	Gmdrm	hypo	CG	-0.3164
Gm14	46518874	46518953	Gmdrm	hypo	CG	-0.102
Gm14	46525789	46525964	Gmdrm	hypo	CG	-0.7355
Gm14	46560536	46560639	Gmdrm	hypo	CG	-0.59
Gm14	46566601	46566957	Gmdrm	hypo	CG	-0.74
Gm14	46576650	46576904	Gmdrm	hypo	CG	-0.552
Gm14	46577825	46577914	Gmdrm	hypo	CG	-0.5567
Gm14	46585457	46585592	Gmdrm	hypo	CG	-0.6412
Gm14	46587970	46588080	Gmdrm	hypo	CG	-0.638
Gm14	46599577	46599706	Gmdrm	hypo	CG	-0.719
Gm14	46616654	46616678	Gmdrm	hypo	CG	-0.8366
Gm14	46617628	46617873	Gmdrm	hypo	CG	-0.63
Gm14	46618317	46618662	Gmdrm	hypo	CG	-0.2105
Gm14	46621809	46622077	Gmdrm	hypo	CG	-0.1771
Gm14	46631767	46631901	Gmdrm	hypo	CG	-0.5013
Gm14	46634512	46634746	Gmdrm	hypo	CG	-0.4163
Gm14	46634981	46635074	Gmdrm	hypo	CG	-0.6474
Gm14	46641035	46641271	Gmdrm	hypo	CG	-0.9156
Gm14	46643727	46643962	Gmdrm	hypo	CG	-0.062
Gm14	46687019	46687235	Gmdrm	hypo	CG	-0.3527
Gm14	46695140	46695799	Gmdrm	hypo	CG	-0.355
Gm14	46696566	46696832	Gmdrm	hypo	CG	-0.4454
Gm14	46699002	46699149	Gmdrm	hypo	CG	-0.95
Gm14	46741231	46741270	Gmdrm	hypo	CG	-0.506
Gm14	46745686	46745752	Gmdrm	hypo	CG	-0.3933
Gm14	46751275	46751354	Gmdrm	hypo	CG	-0.98
Gm14	46766166	46766351	Gmdrm	hypo	CG	-0.31
Gm14	46767684	46767775	Gmdrm	hypo	CG	-0.634
Gm14	46786856	46787013	Gmdrm	hypo	CG	-0.6614
Gm14	46787188	46787240	Gmdrm	hypo	CG	-0.6933
Gm14	46787646	46787834	Gmdrm	hypo	CG	-0.2188
Gm14	46792248	46792326	Gmdrm	hypo	CG	-0.7408
Gm14	46823007	46823206	Gmdrm	hypo	CG	-0.355
Gm14	46829532	46829645	Gmdrm	hypo	CG	-0.84
Gm14	46833972	46834105	Gmdrm	hypo	CG	-0.901
Gm14	46834226	46834468	Gmdrm	hypo	CG	-0.7577
Gm14	46840325	46840607	Gmdrm	hypo	CG	-0.115
Gm14	46852773	46852841	Gmdrm	hypo	CG	-0.8712
Gm14	46868276	46868325	Gmdrm	hypo	CG	-0.108
Gm14	46880402	46880438	Gmdrm	hypo	CG	-0.8133
Gm14	46898483	46898578	Gmdrm	hypo	CG	-0.5783

Gm14	46901045	46901169	Gmdrm	hypo	CG	-0.345
Gm14	46932224	46932485	Gmdrm	hypo	CG	-0.4873
Gm14	46954290	46954393	Gmdrm	hypo	CG	-0.855
Gm14	46957205	46957241	Gmdrm	hypo	CG	-0.075
Gm14	46999798	46999902	Gmdrm	hypo	CG	-0.7437
Gm14	47002950	47003011	Gmdrm	hypo	CG	-0.8117
Gm14	47003379	47003484	Gmdrm	hypo	CG	-0.7837
Gm14	47018600	47018819	Gmdrm	hypo	CG	-0.106
Gm14	47051170	47051325	Gmdrm	hypo	CG	-0.03
Gm14	47061712	47061839	Gmdrm	hypo	CG	-0.5313
Gm14	47066031	47066197	Gmdrm	hypo	CG	-0.5099
Gm14	47086431	47086616	Gmdrm	hypo	CG	-0.6988
Gm14	47091681	47091935	Gmdrm	hypo	CG	-0.3344
Gm14	47098211	47098490	Gmdrm	hypo	CG	-0.0258
Gm14	47102297	47102532	Gmdrm	hypo	CG	-0.3992
Gm14	47103035	47103303	Gmdrm	hypo	CG	-0.1841
Gm14	47121671	47121842	Gmdrm	hypo	CG	-0.386
Gm14	47129463	47129592	Gmdrm	hypo	CG	-0.9693
Gm14	47137798	47138030	Gmdrm	hypo	CG	-0.6617
Gm14	47141405	47141705	Gmdrm	hypo	CG	-0.0433
Gm14	47150814	47150910	Gmdrm	hypo	CG	-0.7433
Gm14	47151150	47151305	Gmdrm	hypo	CG	-0.79
Gm14	47163736	47163903	Gmdrm	hypo	CG	-0.6212
Gm14	47170217	47170796	Gmdrm	hypo	CG	-0.1866
Gm14	47175006	47175182	Gmdrm	hypo	CG	-0.063
Gm14	47177639	47177736	Gmdrm	hypo	CG	-0.9917
Gm14	47178650	47178965	Gmdrm	hypo	CG	-0.5
Gm14	47185708	47186021	Gmdrm	hypo	CG	-0.911
Gm14	47203561	47203757	Gmdrm	hypo	CG	-0.5415
Gm14	47205048	47205238	Gmdrm	hypo	CG	-0.54
Gm14	47205590	47205737	Gmdrm	hypo	CG	-0.4105
Gm14	47211068	47211125	Gmdrm	hypo	CG	-0.6483
Gm14	47215175	47215239	Gmdrm	hypo	CG	-0.61
Gm14	47248738	47248967	Gmdrm	hypo	CG	-0.2777
Gm14	47249082	47249176	Gmdrm	hypo	CG	-0.28
Gm14	47264456	47264863	Gmdrm	hypo	CG	-0.0341
Gm14	47266341	47266492	Gmdrm	hypo	CG	-0.7764
Gm14	47281342	47281500	Gmdrm	hypo	CG	-0.422
Gm14	47290327	47290485	Gmdrm	hypo	CG	-0.3116
Gm14	47341594	47341805	Gmdrm	hypo	CG	-0.669
Gm14	47350832	47350958	Gmdrm	hypo	CG	-0.8721
Gm14	47363734	47363748	Gmdrm	hypo	CG	-0.41
Gm14	47405314	47405400	Gmdrm	hypo	CG	-0.6583
Gm14	47419031	47419147	Gmdrm	hypo	CG	-0.815
Gm14	47447221	47447251	Gmdrm	hypo	CG	-0.9017
Gm14	47450081	47450139	Gmdrm	hypo	CG	-0.0975

Gm14	47454493	47454542	Gmdrm	hypo	CG	-0.747
Gm14	47457024	47457329	Gmdrm	hypo	CG	-0.708
Gm14	47457870	47457977	Gmdrm	hypo	CG	-0.2766
Gm14	47458222	47458375	Gmdrm	hypo	CG	-0.24
Gm14	47464496	47464736	Gmdrm	hypo	CG	-0.7825
Gm14	47465515	47465547	Gmdrm	hypo	CG	-0.885
Gm14	47476198	47476354	Gmdrm	hypo	CG	-0.579
Gm14	47480931	47481181	Gmdrm	hypo	CG	-0.59
Gm14	47481948	47482148	Gmdrm	hypo	CG	-0.686
Gm14	47492616	47492819	Gmdrm	hypo	CG	-0.3541
Gm14	47493055	47493223	Gmdrm	hypo	CG	-0.2137
Gm14	47511331	47511451	Gmdrm	hypo	CG	-0.71
Gm14	47536328	47536564	Gmdrm	hypo	CG	-0.5412
Gm14	47602232	47602304	Gmdrm	hypo	CG	-0.665
Gm14	47617813	47618101	Gmdrm	hypo	CG	-0.8252
Gm14	47621403	47621624	Gmdrm	hypo	CG	-0.8782
Gm14	47634917	47635087	Gmdrm	hypo	CG	-0.4225
Gm14	47635306	47635392	Gmdrm	hypo	CG	-0.3
Gm14	47667613	47667728	Gmdrm	hypo	CG	-0.56
Gm14	47690871	47690928	Gmdrm	hypo	CG	-0.5833
Gm14	47715658	47715934	Gmdrm	hypo	CG	-0.0287
Gm14	47723145	47723205	Gmdrm	hypo	CG	-0.77
Gm14	47729279	47729371	Gmdrm	hypo	CG	-0.7767
Gm14	47729595	47729847	Gmdrm	hypo	CG	-0.0518
Gm14	47732185	47732318	Gmdrm	hypo	CG	-0.3014
Gm14	47738918	47738997	Gmdrm	hypo	CG	-0.7483
Gm14	47746262	47746276	Gmdrm	hypo	CG	-0.064
Gm14	47768987	47769394	Gmdrm	hypo	CG	-0.29
Gm14	47774192	47774322	Gmdrm	hypo	CG	-0.932
Gm14	47792126	47792166	Gmdrm	hypo	CG	-0.905
Gm14	47792560	47792706	Gmdrm	hypo	CG	-0.658
Gm14	47814023	47814281	Gmdrm	hypo	CG	-0.3196
Gm14	47815359	47815543	Gmdrm	hypo	CG	-0.8634
Gm14	47816031	47816164	Gmdrm	hypo	CG	-0.5437
Gm14	47816380	47816497	Gmdrm	hypo	CG	-0.4562
Gm14	47820721	47820758	Gmdrm	hypo	CG	-0.644
Gm14	47828978	47829119	Gmdrm	hypo	CG	-0.952
Gm14	47836423	47836716	Gmdrm	hypo	CG	-0.4537
Gm14	47838074	47838180	Gmdrm	hypo	CG	-0.6901
Gm14	47839247	47839445	Gmdrm	hypo	CG	-0.324
Gm14	47859369	47859527	Gmdrm	hypo	CG	-0.985
Gm14	47860504	47860766	Gmdrm	hypo	CG	-0.34
Gm14	47903796	47904038	Gmdrm	hypo	CG	-0.1141
Gm14	47908450	47908558	Gmdrm	hypo	CG	-0.502
Gm14	47908676	47908765	Gmdrm	hypo	CG	-0.88
Gm14	47929018	47929294	Gmdrm	hypo	CG	-0.0213

Gm14	47960921	47961057	Gmdrm	hypo	CG	-0.2066
Gm14	47961492	47961628	Gmdrm	hypo	CG	-0.6226
Gm14	47962064	47962200	Gmdrm	hypo	CG	-0.1817
Gm14	47963594	47963756	Gmdrm	hypo	CG	-0.118
Gm14	48009653	48009820	Gmdrm	hypo	CG	-0.3638
Gm14	48019362	48019521	Gmdrm	hypo	CG	-0.1987
Gm14	48041167	48041555	Gmdrm	hypo	CG	-0.3008
Gm14	48123715	48123887	Gmdrm	hypo	CG	-0.0613
Gm14	48142098	48142243	Gmdrm	hypo	CG	-0.3325
Gm14	48142645	48143111	Gmdrm	hypo	CG	-0.1017
Gm14	48164737	48164882	Gmdrm	hypo	CG	-0.2634
Gm14	48178297	48178410	Gmdrm	hypo	CG	-0.1083
Gm14	48178523	48178768	Gmdrm	hypo	CG	-0.2693
Gm14	48199184	48199356	Gmdrm	hypo	CG	-0.2867
Gm14	48214082	48214357	Gmdrm	hypo	CG	-0.4131
Gm14	48258948	48259352	Gmdrm	hypo	CG	-0.2576
Gm14	48268296	48268389	Gmdrm	hypo	CG	-0.06
Gm14	48283229	48283478	Gmdrm	hypo	CG	-0.9189
Gm14	48301146	48301588	Gmdrm	hypo	CG	-0.5004
Gm14	48306214	48306359	Gmdrm	hypo	CG	-0.702
Gm14	48321480	48321826	Gmdrm	hypo	CG	-0.8736
Gm14	48324003	48324056	Gmdrm	hypo	CG	-0.032
Gm14	48324407	48324510	Gmdrm	hypo	CG	-0.9506
Gm14	48340282	48340302	Gmdrm	hypo	CG	-0.9567
Gm14	48351054	48351162	Gmdrm	hypo	CG	-0.7083
Gm14	48359444	48359579	Gmdrm	hypo	CG	-0.8174
Gm14	48359705	48359807	Gmdrm	hypo	CG	-0.6829
Gm14	48373095	48373163	Gmdrm	hypo	CG	-0.042
Gm14	48428715	48429054	Gmdrm	hypo	CG	-0.4195
Gm14	48433922	48433982	Gmdrm	hypo	CG	-0.368
Gm14	48434583	48434627	Gmdrm	hypo	CG	-0.29
Gm14	48479444	48479496	Gmdrm	hypo	CG	-0.8367
Gm14	48479679	48479766	Gmdrm	hypo	CG	-0.885
Gm14	48491089	48491184	Gmdrm	hypo	CG	-0.965
Gm14	48497647	48497808	Gmdrm	hypo	CG	-0.3987
Gm14	48497949	48498088	Gmdrm	hypo	CG	-0.4625
Gm14	48521673	48521747	Gmdrm	hypo	CG	-0.8283
Gm14	48534741	48535004	Gmdrm	hypo	CG	-0.3465
Gm14	48535446	48535686	Gmdrm	hypo	CG	-0.3007
Gm14	48545404	48545826	Gmdrm	hypo	CG	-0.3328
Gm14	48551263	48551284	Gmdrm	hypo	CG	-0.5112
Gm14	48572037	48572522	Gmdrm	hypo	CG	-0.1508
Gm14	48575065	48575193	Gmdrm	hypo	CG	-0.1767
Gm14	48578295	48578352	Gmdrm	hypo	CG	-0.1533
Gm14	48579990	48580195	Gmdrm	hypo	CG	-0.6956
Gm14	48584459	48584880	Gmdrm	hypo	CG	-0.6633

Gm14	48595467	48595670 Gmdrm	hypo	CG	-0.0367
Gm14	48596064	48596458 Gmdrm	hypo	CG	-0.4227
Gm14	48610841	48611166 Gmdrm	hypo	CG	-0.3668
Gm14	48632661	48632903 Gmdrm	hypo	CG	-0.663
Gm14	48635416	48635446 Gmdrm	hypo	CG	-0.2525
Gm14	48635800	48636029 Gmdrm	hypo	CG	-0.8425
Gm14	48674712	48674825 Gmdrm	hypo	CG	-0.225
Gm14	48679910	48680040 Gmdrm	hypo	CG	-0.255
Gm14	48696074	48696115 Gmdrm	hypo	CG	-0.966
Gm14	48705838	48706010 Gmdrm	hypo	CG	-0.558
Gm14	48706571	48706740 Gmdrm	hypo	CG	-0.7155
Gm14	48722169	48722543 Gmdrm	hypo	CG	-0.9487
Gm14	48724046	48724198 Gmdrm	hypo	CG	-0.6466
Gm14	48725715	48725727 Gmdrm	hypo	CG	-0.885
Gm14	48727581	48727617 Gmdrm	hypo	CG	-0.8617
Gm14	48727835	48727878 Gmdrm	hypo	CG	-0.925
Gm14	48728146	48728190 Gmdrm	hypo	CG	-0.9617
Gm14	48731907	48732007 Gmdrm	hypo	CG	-0.698
Gm14	48732467	48732594 Gmdrm	hypo	CG	-0.02
Gm14	48733874	48733907 Gmdrm	hypo	CG	-0.34
Gm14	48734123	48734202 Gmdrm	hypo	CG	-0.7237
Gm14	48735231	48735367 Gmdrm	hypo	CG	-0.1787
Gm14	48736087	48736120 Gmdrm	hypo	CG	-0.4812
Gm14	48737134	48737225 Gmdrm	hypo	CG	-0.781
Gm14	48741046	48741207 Gmdrm	hypo	CG	-0.5556
Gm14	48744620	48744729 Gmdrm	hypo	CG	-0.3038
Gm14	48744859	48744944 Gmdrm	hypo	CG	-0.1555
Gm14	48755374	48755538 Gmdrm	hypo	CG	-0.0967
Gm14	48755666	48755796 Gmdrm	hypo	CG	-0.308
Gm14	48803560	48803702 Gmdrm	hypo	CG	-0.7308
Gm14	48813273	48813477 Gmdrm	hypo	CG	-0.046
Gm14	48882227	48882520 Gmdrm	hypo	CG	-0.4875
Gm14	48882786	48882821 Gmdrm	hypo	CG	-0.9533
Gm14	48882999	48883286 Gmdrm	hypo	CG	-0.69
Gm14	48884587	48884652 Gmdrm	hypo	CG	-0.8233
Gm14	48885632	48885817 Gmdrm	hypo	CG	-0.3058
Gm14	48902376	48902826 Gmdrm	hypo	CG	-0.6383
Gm14	48912033	48912321 Gmdrm	hypo	CG	-0.7536
Gm14	48919986	48920157 Gmdrm	hypo	CG	-0.1938
Gm14	48939377	48939482 Gmdrm	hypo	CG	-0.028
Gm14	48944243	48944493 Gmdrm	hypo	CG	-0.7983
Gm14	48944946	48945142 Gmdrm	hypo	CG	-0.69
Gm14	48945563	48945668 Gmdrm	hypo	CG	-0.9429
Gm14	48946810	48946966 Gmdrm	hypo	CG	-0.3693
Gm14	48962827	48963106 Gmdrm	hypo	CG	-0.0372
Gm14	48966227	48966384 Gmdrm	hypo	CG	-0.86

Gm14	48980842	48981186	Gmdrm	hypo	CG	-0.6071
Gm14	48988869	48989063	Gmdrm	hypo	CG	-0.0353
Gm14	48998590	48998901	Gmdrm	hypo	CG	-0.7915
Gm14	48999016	48999103	Gmdrm	hypo	CG	-0.64
Gm14	49051204	49051423	Gmdrm	hypo	CG	-0.3108
Gm14	49051960	49051999	Gmdrm	hypo	CG	-0.062
Gm14	49053292	49053569	Gmdrm	hypo	CG	-0.1469
Gm14	49058653	49058909	Gmdrm	hypo	CG	-0.7556
Gm14	49063838	49063885	Gmdrm	hypo	CG	-0.7783
Gm14	49078047	49078577	Gmdrm	hypo	CG	-0.1687
Gm14	49092299	49092420	Gmdrm	hypo	CG	-0.907
Gm14	49106674	49107391	Gmdrm	hypo	CG	-0.0356
Gm14	49110619	49110883	Gmdrm	hypo	CG	-0.641
Gm14	49118304	49118400	Gmdrm	hypo	CG	-0.4151
Gm14	49134692	49134947	Gmdrm	hypo	CG	-0.7161
Gm14	49152518	49152558	Gmdrm	hypo	CG	-0.5667
Gm14	49152782	49152884	Gmdrm	hypo	CG	-0.7512
Gm14	49182080	49182206	Gmdrm	hypo	CG	-0.9
Gm14	49215302	49215330	Gmdrm	hypo	CG	-0.0717
Gm14	49235641	49235878	Gmdrm	hypo	CG	-0.072
Gm14	49236062	49236240	Gmdrm	hypo	CG	-0.8819
Gm14	49249725	49249900	Gmdrm	hypo	CG	-0.866
Gm14	49271877	49271956	Gmdrm	hypo	CG	-0.5533
Gm14	49277626	49277738	Gmdrm	hypo	CG	-0.0608
Gm14	49288686	49288850	Gmdrm	hypo	CG	-0.9061
Gm14	49294657	49294832	Gmdrm	hypo	CG	-0.7077
Gm14	49316213	49316467	Gmdrm	hypo	CG	-0.725
Gm14	49317535	49317607	Gmdrm	hypo	CG	-0.9867
Gm14	49363761	49363819	Gmdrm	hypo	CG	-0.8534
Gm14	49369869	49370118	Gmdrm	hypo	CG	-0.0962
Gm14	49396152	49396324	Gmdrm	hypo	CG	-0.5658
Gm14	49396511	49396709	Gmdrm	hypo	CG	-0.1862
Gm14	49408383	49408630	Gmdrm	hypo	CG	-0.2675
Gm14	49417856	49417981	Gmdrm	hypo	CG	-0.7719
Gm14	49421426	49421766	Gmdrm	hypo	CG	-0.95
Gm14	49426712	49426830	Gmdrm	hypo	CG	-0.848
Gm14	49436151	49436244	Gmdrm	hypo	CG	-0.2849
Gm14	49481022	49481187	Gmdrm	hypo	CG	-0.867
Gm14	49481690	49481995	Gmdrm	hypo	CG	-0.805
Gm14	49487242	49487368	Gmdrm	hypo	CG	-0.935
Gm14	49510182	49510377	Gmdrm	hypo	CG	-0.66
Gm14	49561571	49561779	Gmdrm	hypo	CG	-0.5358
Gm14	49637799	49637941	Gmdrm	hypo	CG	-0.036
Gm14	49643676	49644058	Gmdrm	hypo	CG	-0.7228
Gm14	49645309	49645515	Gmdrm	hypo	CG	-0.0512
Gm14	49650281	49650398	Gmdrm	hypo	CG	-0.4841

Gm14	49662034	49662324	Gmdrm	hypo	CG	-0.1936
Gm14	49666031	49666260	Gmdrm	hypo	CG	-0.0383
Gm14	49670143	49670197	Gmdrm	hypo	CG	-0.705
Gm14	49723840	49724001	Gmdrm	hypo	CG	-0.062
Gm14	49736024	49737017	Gmdrm	hypo	CG	-0.1634
Gm14	49770184	49770341	Gmdrm	hypo	CG	-0.3967
Gm14	49812880	49812988	Gmdrm	hypo	CG	-0.04
Gm14	49815093	49815194	Gmdrm	hypo	CG	-0.2434
Gm14	49819205	49819302	Gmdrm	hypo	CG	-0.6816
Gm14	49824514	49824603	Gmdrm	hypo	CG	-0.7584
Gm14	49825158	49825379	Gmdrm	hypo	CG	-0.8192
Gm14	49835963	49835982	Gmdrm	hypo	CG	-0.3267
Gm14	49890066	49890123	Gmdrm	hypo	CG	-0.0467
Gm14_scaffo	13091	14091	Gmdrm	hypo	CG	-0.1505
Gm14_scaffo	40025	40134	Gmdrm	hypo	CG	-0.0425
Gm14_scaffo	74863	74972	Gmdrm	hypo	CG	-0.1475
Gm14_scaffo	85435	85560	Gmdrm	hypo	CG	-0.3013
Gm14_scaffo	85828	86041	Gmdrm	hypo	CG	-0.0714
Gm14_scaffo	86998	87116	Gmdrm	hypo	CG	-0.7
Gm15	11679	11825	Gmdrm	hypo	CG	-0.4086
Gm15	21189	21497	Gmdrm	hypo	CG	-0.0943
Gm15	48745	48866	Gmdrm	hypo	CG	-0.559
Gm15	64329	64498	Gmdrm	hypo	CG	-0.71
Gm15	70571	70990	Gmdrm	hypo	CG	-0.6744
Gm15	109818	109935	Gmdrm	hypo	CG	-0.81
Gm15	110088	110197	Gmdrm	hypo	CG	-0.162
Gm15	110750	110849	Gmdrm	hypo	CG	-0.0663
Gm15	118558	118675	Gmdrm	hypo	CG	-0.775
Gm15	148628	148990	Gmdrm	hypo	CG	-0.6107
Gm15	160481	160581	Gmdrm	hypo	CG	-0.6525
Gm15	160698	160821	Gmdrm	hypo	CG	-0.8467
Gm15	161029	161094	Gmdrm	hypo	CG	-0.8588
Gm15	161503	161602	Gmdrm	hypo	CG	-0.915
Gm15	164074	164170	Gmdrm	hypo	CG	-0.763
Gm15	165563	165742	Gmdrm	hypo	CG	-0.0964
Gm15	171952	172345	Gmdrm	hypo	CG	-0.1385
Gm15	172464	173040	Gmdrm	hypo	CG	-0.1415
Gm15	205732	205790	Gmdrm	hypo	CG	-0.676
Gm15	206061	206249	Gmdrm	hypo	CG	-0.44
Gm15	230772	230872	Gmdrm	hypo	CG	-0.28
Gm15	231488	231504	Gmdrm	hypo	CG	-0.5183
Gm15	232478	232596	Gmdrm	hypo	CG	-0.73
Gm15	246294	246420	Gmdrm	hypo	CG	-0.3931
Gm15	254440	254491	Gmdrm	hypo	CG	-0.4862
Gm15	255403	255559	Gmdrm	hypo	CG	-0.9213
Gm15	272911	273014	Gmdrm	hypo	CG	-0.625

Gm15	273141	273566 Gmdrm	hypo	CG	-0.4174
Gm15	294771	294867 Gmdrm	hypo	CG	-0.922
Gm15	297310	297405 Gmdrm	hypo	CG	-0.9638
Gm15	305617	305778 Gmdrm	hypo	CG	-0.8978
Gm15	311694	312012 Gmdrm	hypo	CG	-0.4825
Gm15	349492	349881 Gmdrm	hypo	CG	-0.3445
Gm15	350034	350055 Gmdrm	hypo	CG	-0.6383
Gm15	355242	355392 Gmdrm	hypo	CG	-0.9008
Gm15	370109	370389 Gmdrm	hypo	CG	-0.3272
Gm15	395567	395953 Gmdrm	hypo	CG	-0.4095
Gm15	397931	398166 Gmdrm	hypo	CG	-0.0911
Gm15	410726	411141 Gmdrm	hypo	CG	-0.8646
Gm15	414013	414196 Gmdrm	hypo	CG	-0.693
Gm15	416809	416912 Gmdrm	hypo	CG	-0.8033
Gm15	420582	420706 Gmdrm	hypo	CG	-0.64
Gm15	421467	421522 Gmdrm	hypo	CG	-0.7767
Gm15	438653	438917 Gmdrm	hypo	CG	-0.5477
Gm15	439561	439946 Gmdrm	hypo	CG	-0.4766
Gm15	442509	442701 Gmdrm	hypo	CG	-0.4556
Gm15	442826	442947 Gmdrm	hypo	CG	-0.8025
Gm15	448349	448493 Gmdrm	hypo	CG	-0.4866
Gm15	473937	473991 Gmdrm	hypo	CG	-0.034
Gm15	475092	475255 Gmdrm	hypo	CG	-0.8762
Gm15	477019	477037 Gmdrm	hypo	CG	-0.8367
Gm15	477176	477246 Gmdrm	hypo	CG	-0.92
Gm15	495743	495960 Gmdrm	hypo	CG	-0.805
Gm15	496069	496306 Gmdrm	hypo	CG	-0.1714
Gm15	496438	496628 Gmdrm	hypo	CG	-0.2562
Gm15	503355	503660 Gmdrm	hypo	CG	-0.5171
Gm15	507580	507843 Gmdrm	hypo	CG	-0.9831
Gm15	508811	509036 Gmdrm	hypo	CG	-0.3065
Gm15	509670	509820 Gmdrm	hypo	CG	-0.7675
Gm15	509991	510129 Gmdrm	hypo	CG	-0.694
Gm15	510461	510581 Gmdrm	hypo	CG	-0.4464
Gm15	528556	528963 Gmdrm	hypo	CG	-0.64
Gm15	564296	564377 Gmdrm	hypo	CG	-0.9
Gm15	583141	583287 Gmdrm	hypo	CG	-0.5382
Gm15	583914	584065 Gmdrm	hypo	CG	-0.3583
Gm15	595166	595233 Gmdrm	hypo	CG	-0.945
Gm15	617826	618076 Gmdrm	hypo	CG	-0.4642
Gm15	623736	623988 Gmdrm	hypo	CG	-0.5108
Gm15	693136	693406 Gmdrm	hypo	CG	-0.246
Gm15	693567	693615 Gmdrm	hypo	CG	-0.5883
Gm15	701384	701497 Gmdrm	hypo	CG	-0.6486
Gm15	702323	702710 Gmdrm	hypo	CG	-0.3964
Gm15	715254	715567 Gmdrm	hypo	CG	-0.0648

Gm15	715679	716371	Gmdrm	hypo	CG	-0.0482
Gm15	723280	723535	Gmdrm	hypo	CG	-0.5921
Gm15	723714	723750	Gmdrm	hypo	CG	-0.1084
Gm15	723965	724259	Gmdrm	hypo	CG	-0.4789
Gm15	738456	738712	Gmdrm	hypo	CG	-0.8393
Gm15	784918	785006	Gmdrm	hypo	CG	-0.1438
Gm15	801532	801643	Gmdrm	hypo	CG	-0.9784
Gm15	810413	810636	Gmdrm	hypo	CG	-0.584
Gm15	824387	824593	Gmdrm	hypo	CG	-0.7774
Gm15	824755	824939	Gmdrm	hypo	CG	-0.917
Gm15	837821	838533	Gmdrm	hypo	CG	-0.3776
Gm15	838737	838936	Gmdrm	hypo	CG	-0.1823
Gm15	844680	844697	Gmdrm	hypo	CG	-0.0643
Gm15	845112	845211	Gmdrm	hypo	CG	-0.948
Gm15	882055	882212	Gmdrm	hypo	CG	-0.9525
Gm15	940740	940806	Gmdrm	hypo	CG	-0.748
Gm15	943230	943263	Gmdrm	hypo	CG	-0.7183
Gm15	970291	970377	Gmdrm	hypo	CG	-0.905
Gm15	974742	974974	Gmdrm	hypo	CG	-0.0453
Gm15	1013341	1013525	Gmdrm	hypo	CG	-0.048
Gm15	1018325	1018437	Gmdrm	hypo	CG	-0.5347
Gm15	1020761	1020840	Gmdrm	hypo	CG	-0.042
Gm15	1026833	1027086	Gmdrm	hypo	CG	-0.1106
Gm15	1087169	1087344	Gmdrm	hypo	CG	-0.553
Gm15	1097685	1097807	Gmdrm	hypo	CG	-0.7781
Gm15	1121799	1122203	Gmdrm	hypo	CG	-0.3476
Gm15	1122324	1122392	Gmdrm	hypo	CG	-0.55
Gm15	1124920	1124985	Gmdrm	hypo	CG	-0.038
Gm15	1130508	1130726	Gmdrm	hypo	CG	-0.705
Gm15	1131455	1131705	Gmdrm	hypo	CG	-0.5971
Gm15	1132131	1132421	Gmdrm	hypo	CG	-0.7766
Gm15	1132938	1133015	Gmdrm	hypo	CG	-0.0567
Gm15	1168217	1168330	Gmdrm	hypo	CG	-0.848
Gm15	1168901	1169110	Gmdrm	hypo	CG	-0.8478
Gm15	1169285	1169424	Gmdrm	hypo	CG	-0.355
Gm15	1191468	1191780	Gmdrm	hypo	CG	-0.262
Gm15	1191922	1192030	Gmdrm	hypo	CG	-0.6917
Gm15	1208366	1208573	Gmdrm	hypo	CG	-0.9391
Gm15	1260426	1260548	Gmdrm	hypo	CG	-0.9225
Gm15	1310561	1311107	Gmdrm	hypo	CG	-0.0754
Gm15	1327458	1327696	Gmdrm	hypo	CG	-0.3756
Gm15	1334577	1334643	Gmdrm	hypo	CG	-0.1863
Gm15	1364406	1364540	Gmdrm	hypo	CG	-0.84
Gm15	1418546	1418610	Gmdrm	hypo	CG	-0.7187
Gm15	1425544	1425700	Gmdrm	hypo	CG	-0.9006
Gm15	1483905	1484570	Gmdrm	hypo	CG	-0.0226

Gm15	1484677	1484766 Gmdrm	hypo	CG	-0.1167
Gm15	1498698	1498747 Gmdrm	hypo	CG	-0.8883
Gm15	1516051	1516137 Gmdrm	hypo	CG	-0.9833
Gm15	1516337	1516732 Gmdrm	hypo	CG	-0.9215
Gm15	1516838	1517015 Gmdrm	hypo	CG	-0.9375
Gm15	1524569	1524726 Gmdrm	hypo	CG	-0.046
Gm15	1537932	1538048 Gmdrm	hypo	CG	-0.9675
Gm15	1538359	1538394 Gmdrm	hypo	CG	-0.7367
Gm15	1548669	1548830 Gmdrm	hypo	CG	-0.06
Gm15	1569345	1569493 Gmdrm	hypo	CG	-0.9738
Gm15	1581273	1581315 Gmdrm	hypo	CG	-0.53
Gm15	1588706	1588823 Gmdrm	hypo	CG	-0.5916
Gm15	1593343	1593579 Gmdrm	hypo	CG	-0.023
Gm15	1595084	1595204 Gmdrm	hypo	CG	-0.7682
Gm15	1602782	1603008 Gmdrm	hypo	CG	-0.2163
Gm15	1603242	1603379 Gmdrm	hypo	CG	-0.6858
Gm15	1610026	1610448 Gmdrm	hypo	CG	-0.3582
Gm15	1610938	1611097 Gmdrm	hypo	CG	-0.7138
Gm15	1678258	1678331 Gmdrm	hypo	CG	-0.0487
Gm15	1681271	1681534 Gmdrm	hypo	CG	-0.323
Gm15	1692117	1692248 Gmdrm	hypo	CG	-0.646
Gm15	1708703	1709291 Gmdrm	hypo	CG	-0.5009
Gm15	1713770	1713984 Gmdrm	hypo	CG	-0.045
Gm15	1741545	1741909 Gmdrm	hypo	CG	-0.3312
Gm15	1758691	1758818 Gmdrm	hypo	CG	-0.04
Gm15	1762128	1762418 Gmdrm	hypo	CG	-0.0475
Gm15	1765196	1765415 Gmdrm	hypo	CG	-0.1935
Gm15	1775961	1776040 Gmdrm	hypo	CG	-0.894
Gm15	1812049	1812432 Gmdrm	hypo	CG	-0.71
Gm15	1818353	1818859 Gmdrm	hypo	CG	-0.8568
Gm15	1822504	1822701 Gmdrm	hypo	CG	-0.4308
Gm15	1845172	1845375 Gmdrm	hypo	CG	-0.9141
Gm15	1855107	1855218 Gmdrm	hypo	CG	-0.7037
Gm15	1859411	1859480 Gmdrm	hypo	CG	-0.104
Gm15	1868371	1868564 Gmdrm	hypo	CG	-0.928
Gm15	1878442	1878618 Gmdrm	hypo	CG	-0.2184
Gm15	1878751	1878879 Gmdrm	hypo	CG	-0.418
Gm15	1882494	1882595 Gmdrm	hypo	CG	-0.5217
Gm15	1940452	1940557 Gmdrm	hypo	CG	-0.0517
Gm15	1946987	1947060 Gmdrm	hypo	CG	-0.8426
Gm15	1947223	1947611 Gmdrm	hypo	CG	-0.5916
Gm15	1950148	1950568 Gmdrm	hypo	CG	-0.539
Gm15	1960781	1960797 Gmdrm	hypo	CG	-0.8666
Gm15	1979642	1979781 Gmdrm	hypo	CG	-0.05
Gm15	1983691	1983772 Gmdrm	hypo	CG	-0.5986
Gm15	1984230	1984353 Gmdrm	hypo	CG	-0.0617

Gm15	2004998	2005129 Gmdrm	hypo	CG	-0.15
Gm15	2044634	2044722 Gmdrm	hypo	CG	-0.4319
Gm15	2056656	2056733 Gmdrm	hypo	CG	-0.5933
Gm15	2085851	2086291 Gmdrm	hypo	CG	-0.0392
Gm15	2097953	2098152 Gmdrm	hypo	CG	-0.8266
Gm15	2098444	2098575 Gmdrm	hypo	CG	-0.5025
Gm15	2114037	2114087 Gmdrm	hypo	CG	-0.579
Gm15	2120835	2120933 Gmdrm	hypo	CG	-0.8817
Gm15	2121514	2121604 Gmdrm	hypo	CG	-0.9305
Gm15	2149704	2149950 Gmdrm	hypo	CG	-0.462
Gm15	2155384	2155892 Gmdrm	hypo	CG	-0.2283
Gm15	2166177	2166321 Gmdrm	hypo	CG	-0.9544
Gm15	2166540	2166644 Gmdrm	hypo	CG	-0.9611
Gm15	2190612	2190782 Gmdrm	hypo	CG	-0.4255
Gm15	2238705	2238906 Gmdrm	hypo	CG	-0.477
Gm15	2242262	2242394 Gmdrm	hypo	CG	-0.8417
Gm15	2243251	2243324 Gmdrm	hypo	CG	-0.4067
Gm15	2243588	2243774 Gmdrm	hypo	CG	-0.8228
Gm15	2286471	2286518 Gmdrm	hypo	CG	-0.88
Gm15	2303585	2303833 Gmdrm	hypo	CG	-0.8742
Gm15	2303972	2304236 Gmdrm	hypo	CG	-0.474
Gm15	2304373	2304566 Gmdrm	hypo	CG	-0.5028
Gm15	2308181	2308268 Gmdrm	hypo	CG	-0.26
Gm15	2320404	2320571 Gmdrm	hypo	CG	-0.5359
Gm15	2322282	2323044 Gmdrm	hypo	CG	-0.5632
Gm15	2323647	2323784 Gmdrm	hypo	CG	-0.1338
Gm15	2323897	2324152 Gmdrm	hypo	CG	-0.0967
Gm15	2426932	2427686 Gmdrm	hypo	CG	-0.1009
Gm15	2432218	2432304 Gmdrm	hypo	CG	-0.606
Gm15	2517654	2517705 Gmdrm	hypo	CG	-0.2683
Gm15	2603314	2603395 Gmdrm	hypo	CG	-0.6683
Gm15	2603773	2603920 Gmdrm	hypo	CG	-0.956
Gm15	2642606	2642668 Gmdrm	hypo	CG	-0.8117
Gm15	2643284	2643400 Gmdrm	hypo	CG	-0.629
Gm15	2651190	2651332 Gmdrm	hypo	CG	-0.04
Gm15	2677565	2677670 Gmdrm	hypo	CG	-0.032
Gm15	2680875	2680941 Gmdrm	hypo	CG	-0.861
Gm15	2681112	2681320 Gmdrm	hypo	CG	-0.865
Gm15	2694882	2695139 Gmdrm	hypo	CG	-0.067
Gm15	2713609	2713857 Gmdrm	hypo	CG	-0.7708
Gm15	2713966	2714018 Gmdrm	hypo	CG	-0.6517
Gm15	2814555	2814791 Gmdrm	hypo	CG	-0.74
Gm15	2821817	2822108 Gmdrm	hypo	CG	-0.745
Gm15	2822372	2822448 Gmdrm	hypo	CG	-0.9034
Gm15	2828693	2828853 Gmdrm	hypo	CG	-0.6263
Gm15	2845899	2845959 Gmdrm	hypo	CG	-0.725

Gm15	2846689	2846805	Gmdrm	hypo	CG	-0.775
Gm15	2858860	2859033	Gmdrm	hypo	CG	-0.9667
Gm15	2859165	2859239	Gmdrm	hypo	CG	-0.3083
Gm15	2859398	2859421	Gmdrm	hypo	CG	-0.2666
Gm15	2859582	2859761	Gmdrm	hypo	CG	-0.6025
Gm15	2865981	2866082	Gmdrm	hypo	CG	-0.79
Gm15	2895738	2895887	Gmdrm	hypo	CG	-0.1529
Gm15	2907472	2907541	Gmdrm	hypo	CG	-0.6717
Gm15	2920004	2920162	Gmdrm	hypo	CG	-0.749
Gm15	2933593	2933807	Gmdrm	hypo	CG	-0.2581
Gm15	2934384	2934412	Gmdrm	hypo	CG	-0.528
Gm15	2948992	2949154	Gmdrm	hypo	CG	-0.61
Gm15	2970298	2970421	Gmdrm	hypo	CG	-0.6247
Gm15	2981898	2981962	Gmdrm	hypo	CG	-0.8862
Gm15	2982072	2982207	Gmdrm	hypo	CG	-0.547
Gm15	2984415	2984560	Gmdrm	hypo	CG	-0.046
Gm15	3018902	3019016	Gmdrm	hypo	CG	-0.4828
Gm15	3025653	3025709	Gmdrm	hypo	CG	-0.0567
Gm15	3042733	3042866	Gmdrm	hypo	CG	-0.06
Gm15	3056752	3056841	Gmdrm	hypo	CG	-0.49
Gm15	3076001	3076105	Gmdrm	hypo	CG	-0.1617
Gm15	3076636	3076964	Gmdrm	hypo	CG	-0.34
Gm15	3082638	3082832	Gmdrm	hypo	CG	-0.5283
Gm15	3097294	3097397	Gmdrm	hypo	CG	-0.47
Gm15	3097524	3097583	Gmdrm	hypo	CG	-0.7571
Gm15	3136417	3136480	Gmdrm	hypo	CG	-0.1967
Gm15	3170382	3170499	Gmdrm	hypo	CG	-0.314
Gm15	3170811	3171053	Gmdrm	hypo	CG	-0.335
Gm15	3171225	3171348	Gmdrm	hypo	CG	-0.117
Gm15	3172209	3172395	Gmdrm	hypo	CG	-0.5
Gm15	3175543	3175651	Gmdrm	hypo	CG	-0.7449
Gm15	3177366	3177392	Gmdrm	hypo	CG	-0.0566
Gm15	3196428	3196654	Gmdrm	hypo	CG	-0.4146
Gm15	3215244	3215375	Gmdrm	hypo	CG	-0.7859
Gm15	3256160	3256247	Gmdrm	hypo	CG	-0.13
Gm15	3280922	3281077	Gmdrm	hypo	CG	-0.7332
Gm15	3281703	3281767	Gmdrm	hypo	CG	-0.1134
Gm15	3287682	3287800	Gmdrm	hypo	CG	-0.9217
Gm15	3290835	3290935	Gmdrm	hypo	CG	-0.06
Gm15	3292702	3292809	Gmdrm	hypo	CG	-0.3637
Gm15	3294489	3294630	Gmdrm	hypo	CG	-0.062
Gm15	3304653	3304730	Gmdrm	hypo	CG	-0.9337
Gm15	3304861	3304972	Gmdrm	hypo	CG	-0.5183
Gm15	3305963	3306257	Gmdrm	hypo	CG	-0.7207
Gm15	3313068	3313195	Gmdrm	hypo	CG	-0.945
Gm15	3332530	3332569	Gmdrm	hypo	CG	-0.0583

Gm15	3333241	3333743	Gmdrm	hypo	CG	-0.6118
Gm15	3367573	3367643	Gmdrm	hypo	CG	-0.7362
Gm15	3432684	3432794	Gmdrm	hypo	CG	-0.095
Gm15	3473449	3473898	Gmdrm	hypo	CG	-0.5944
Gm15	3516020	3516102	Gmdrm	hypo	CG	-0.04
Gm15	3546902	3547063	Gmdrm	hypo	CG	-0.8529
Gm15	3582553	3582879	Gmdrm	hypo	CG	-0.0314
Gm15	3603046	3603272	Gmdrm	hypo	CG	-0.6834
Gm15	3603509	3603560	Gmdrm	hypo	CG	-0.9266
Gm15	3615165	3615278	Gmdrm	hypo	CG	-0.805
Gm15	3616185	3616456	Gmdrm	hypo	CG	-0.6328
Gm15	3625273	3625386	Gmdrm	hypo	CG	-0.04
Gm15	3625758	3625859	Gmdrm	hypo	CG	-0.63
Gm15	3626027	3626118	Gmdrm	hypo	CG	-0.902
Gm15	3629664	3629829	Gmdrm	hypo	CG	-0.0467
Gm15	3634541	3634678	Gmdrm	hypo	CG	-0.7333
Gm15	3636273	3636540	Gmdrm	hypo	CG	-0.2017
Gm15	3639494	3639674	Gmdrm	hypo	CG	-0.548
Gm15	3652671	3652863	Gmdrm	hypo	CG	-0.03
Gm15	3663676	3663897	Gmdrm	hypo	CG	-0.88
Gm15	3673587	3673843	Gmdrm	hypo	CG	-0.1217
Gm15	3678117	3678385	Gmdrm	hypo	CG	-0.9022
Gm15	3712425	3712678	Gmdrm	hypo	CG	-0.8612
Gm15	3798155	3798243	Gmdrm	hypo	CG	-0.6266
Gm15	3798757	3798847	Gmdrm	hypo	CG	-0.82
Gm15	3836565	3836680	Gmdrm	hypo	CG	-0.86
Gm15	3842452	3842562	Gmdrm	hypo	CG	-0.535
Gm15	3868397	3868479	Gmdrm	hypo	CG	-0.928
Gm15	3868962	3869187	Gmdrm	hypo	CG	-0.443
Gm15	3924510	3924567	Gmdrm	hypo	CG	-0.0766
Gm15	3962487	3962631	Gmdrm	hypo	CG	-0.9512
Gm15	3979808	3980040	Gmdrm	hypo	CG	-0.06
Gm15	3986320	3986725	Gmdrm	hypo	CG	-0.345
Gm15	4013113	4013205	Gmdrm	hypo	CG	-0.0383
Gm15	4021823	4022260	Gmdrm	hypo	CG	-0.058
Gm15	4033837	4034252	Gmdrm	hypo	CG	-0.9016
Gm15	4066245	4066339	Gmdrm	hypo	CG	-0.7016
Gm15	4081678	4081856	Gmdrm	hypo	CG	-0.0429
Gm15	4094978	4095288	Gmdrm	hypo	CG	-0.6462
Gm15	4106157	4106367	Gmdrm	hypo	CG	-0.135
Gm15	4168246	4168281	Gmdrm	hypo	CG	-0.8517
Gm15	4168633	4168737	Gmdrm	hypo	CG	-0.5616
Gm15	4168950	4169082	Gmdrm	hypo	CG	-0.772
Gm15	4191327	4191336	Gmdrm	hypo	CG	-0.4483
Gm15	4217226	4217261	Gmdrm	hypo	CG	-0.85
Gm15	4217382	4217615	Gmdrm	hypo	CG	-0.8078

Gm15	4251480	4251625 Gmdrm	hypo	CG	-0.6038
Gm15	4263168	4263386 Gmdrm	hypo	CG	-0.7685
Gm15	4265950	4266293 Gmdrm	hypo	CG	-0.5436
Gm15	4266737	4266802 Gmdrm	hypo	CG	-0.034
Gm15	4272963	4273255 Gmdrm	hypo	CG	-0.776
Gm15	4279489	4279561 Gmdrm	hypo	CG	-0.9287
Gm15	4311504	4311806 Gmdrm	hypo	CG	-0.3612
Gm15	4350881	4351335 Gmdrm	hypo	CG	-0.76
Gm15	4363560	4363636 Gmdrm	hypo	CG	-0.8417
Gm15	4415199	4415274 Gmdrm	hypo	CG	-0.9709
Gm15	4422504	4422809 Gmdrm	hypo	CG	-0.3945
Gm15	4423845	4424176 Gmdrm	hypo	CG	-0.2631
Gm15	4440467	4440661 Gmdrm	hypo	CG	-0.8756
Gm15	4500022	4500144 Gmdrm	hypo	CG	-0.7123
Gm15	4512822	4512874 Gmdrm	hypo	CG	-0.805
Gm15	4513524	4513639 Gmdrm	hypo	CG	-0.91
Gm15	4515668	4515726 Gmdrm	hypo	CG	-0.22
Gm15	4516591	4516754 Gmdrm	hypo	CG	-0.2434
Gm15	4530151	4530187 Gmdrm	hypo	CG	-0.062
Gm15	4566073	4566117 Gmdrm	hypo	CG	-0.9467
Gm15	4578954	4579139 Gmdrm	hypo	CG	-0.6983
Gm15	4608752	4608966 Gmdrm	hypo	CG	-0.086
Gm15	4617736	4617906 Gmdrm	hypo	CG	-0.0343
Gm15	4675875	4675967 Gmdrm	hypo	CG	-0.724
Gm15	4686325	4686744 Gmdrm	hypo	CG	-0.2846
Gm15	4700542	4700694 Gmdrm	hypo	CG	-0.3315
Gm15	4729053	4729414 Gmdrm	hypo	CG	-0.8707
Gm15	4733964	4734473 Gmdrm	hypo	CG	-0.275
Gm15	4739009	4739085 Gmdrm	hypo	CG	-0.756
Gm15	4746009	4746553 Gmdrm	hypo	CG	-0.0815
Gm15	4764983	4765145 Gmdrm	hypo	CG	-0.152
Gm15	4765438	4765587 Gmdrm	hypo	CG	-0.7083
Gm15	4800401	4800563 Gmdrm	hypo	CG	-0.7533
Gm15	4823667	4823918 Gmdrm	hypo	CG	-0.4096
Gm15	4824019	4824170 Gmdrm	hypo	CG	-0.6225
Gm15	4874481	4875010 Gmdrm	hypo	CG	-0.1882
Gm15	4904115	4904286 Gmdrm	hypo	CG	-0.4
Gm15	4912370	4912487 Gmdrm	hypo	CG	-0.1365
Gm15	4921113	4921200 Gmdrm	hypo	CG	-0.9667
Gm15	4921408	4921445 Gmdrm	hypo	CG	-0.4233
Gm15	4921690	4921827 Gmdrm	hypo	CG	-0.056
Gm15	4931392	4931552 Gmdrm	hypo	CG	-0.63
Gm15	4963969	4964192 Gmdrm	hypo	CG	-0.908
Gm15	4978231	4978464 Gmdrm	hypo	CG	-0.3272
Gm15	5005173	5005336 Gmdrm	hypo	CG	-0.0467
Gm15	5036559	5036687 Gmdrm	hypo	CG	-0.7375

Gm15	5037578	5037660	Gmdrm	hypo	CG	-0.9187
Gm15	5080254	5080330	Gmdrm	hypo	CG	-0.2138
Gm15	5080514	5080857	Gmdrm	hypo	CG	-0.6455
Gm15	5122258	5122399	Gmdrm	hypo	CG	-0.0989
Gm15	5132337	5132467	Gmdrm	hypo	CG	-0.596
Gm15	5132690	5132809	Gmdrm	hypo	CG	-0.1536
Gm15	5133433	5133806	Gmdrm	hypo	CG	-0.1772
Gm15	5155007	5155096	Gmdrm	hypo	CG	-0.326
Gm15	5212254	5212371	Gmdrm	hypo	CG	-0.5617
Gm15	5239601	5239753	Gmdrm	hypo	CG	-0.7612
Gm15	5240219	5240482	Gmdrm	hypo	CG	-0.5991
Gm15	5264992	5265044	Gmdrm	hypo	CG	-0.955
Gm15	5285656	5286108	Gmdrm	hypo	CG	-0.8523
Gm15	5328281	5328799	Gmdrm	hypo	CG	-0.2158
Gm15	5379363	5379634	Gmdrm	hypo	CG	-0.95
Gm15	5380419	5380671	Gmdrm	hypo	CG	-0.91
Gm15	5382884	5382899	Gmdrm	hypo	CG	-0.4583
Gm15	5385693	5385793	Gmdrm	hypo	CG	-0.8842
Gm15	5396244	5396268	Gmdrm	hypo	CG	-0.895
Gm15	5396725	5396850	Gmdrm	hypo	CG	-0.3034
Gm15	5434365	5434406	Gmdrm	hypo	CG	-0.4933
Gm15	5451524	5451654	Gmdrm	hypo	CG	-0.5425
Gm15	5484781	5484809	Gmdrm	hypo	CG	-0.8933
Gm15	5489623	5489727	Gmdrm	hypo	CG	-0.034
Gm15	5530893	5531226	Gmdrm	hypo	CG	-0.8846
Gm15	5531599	5531843	Gmdrm	hypo	CG	-0.2534
Gm15	5537762	5537844	Gmdrm	hypo	CG	-0.36
Gm15	5538377	5538503	Gmdrm	hypo	CG	-0.968
Gm15	5543840	5544125	Gmdrm	hypo	CG	-0.6077
Gm15	5551243	5551353	Gmdrm	hypo	CG	-0.719
Gm15	5590509	5590642	Gmdrm	hypo	CG	-0.0343
Gm15	5620038	5620115	Gmdrm	hypo	CG	-0.9233
Gm15	5630102	5630191	Gmdrm	hypo	CG	-0.202
Gm15	5633615	5633754	Gmdrm	hypo	CG	-0.6083
Gm15	5635596	5635750	Gmdrm	hypo	CG	-0.0945
Gm15	5642342	5642651	Gmdrm	hypo	CG	-0.2064
Gm15	5643308	5643487	Gmdrm	hypo	CG	-0.2759
Gm15	5644877	5644934	Gmdrm	hypo	CG	-0.88
Gm15	5665245	5665395	Gmdrm	hypo	CG	-0.0343
Gm15	5687821	5687866	Gmdrm	hypo	CG	-0.5566
Gm15	5688073	5688157	Gmdrm	hypo	CG	-0.8974
Gm15	5688478	5688674	Gmdrm	hypo	CG	-0.68
Gm15	5694962	5694984	Gmdrm	hypo	CG	-0.204
Gm15	5719651	5720012	Gmdrm	hypo	CG	-0.7889
Gm15	5725573	5725883	Gmdrm	hypo	CG	-0.8665
Gm15	5780499	5780666	Gmdrm	hypo	CG	-0.937

Gm15	5829086	5829369	Gmdrm	hypo	CG	-0.7281
Gm15	5845406	5845596	Gmdrm	hypo	CG	-0.6041
Gm15	5875512	5875625	Gmdrm	hypo	CG	-0.03
Gm15	5932299	5932577	Gmdrm	hypo	CG	-0.4371
Gm15	5946897	5947006	Gmdrm	hypo	CG	-0.152
Gm15	5957840	5957959	Gmdrm	hypo	CG	-0.8966
Gm15	5980507	5980560	Gmdrm	hypo	CG	-0.324
Gm15	5980949	5981058	Gmdrm	hypo	CG	-0.7106
Gm15	5993175	5993247	Gmdrm	hypo	CG	-0.7562
Gm15	5993378	5993412	Gmdrm	hypo	CG	-0.26
Gm15	5993771	5993942	Gmdrm	hypo	CG	-0.05
Gm15	5995299	5995388	Gmdrm	hypo	CG	-0.7566
Gm15	5995511	5995745	Gmdrm	hypo	CG	-0.8241
Gm15	6002595	6002760	Gmdrm	hypo	CG	-0.526
Gm15	6003806	6003953	Gmdrm	hypo	CG	-0.035
Gm15	6006249	6006363	Gmdrm	hypo	CG	-0.038
Gm15	6025709	6025782	Gmdrm	hypo	CG	-0.8534
Gm15	6043567	6043737	Gmdrm	hypo	CG	-0.9633
Gm15	6044883	6045029	Gmdrm	hypo	CG	-0.2517
Gm15	6056895	6057183	Gmdrm	hypo	CG	-0.9009
Gm15	6069000	6069299	Gmdrm	hypo	CG	-0.3313
Gm15	6069843	6070081	Gmdrm	hypo	CG	-0.8745
Gm15	6079498	6079588	Gmdrm	hypo	CG	-0.857
Gm15	6080143	6080307	Gmdrm	hypo	CG	-0.7325
Gm15	6124585	6125071	Gmdrm	hypo	CG	-0.5571
Gm15	6165044	6165175	Gmdrm	hypo	CG	-0.645
Gm15	6171532	6171737	Gmdrm	hypo	CG	-0.7446
Gm15	6174115	6174334	Gmdrm	hypo	CG	-0.8675
Gm15	6196885	6196989	Gmdrm	hypo	CG	-0.0329
Gm15	6202573	6202668	Gmdrm	hypo	CG	-0.0612
Gm15	6213018	6213050	Gmdrm	hypo	CG	-0.2463
Gm15	6228412	6228536	Gmdrm	hypo	CG	-0.0829
Gm15	6229442	6229588	Gmdrm	hypo	CG	-0.0663
Gm15	6230323	6230725	Gmdrm	hypo	CG	-0.9329
Gm15	6250543	6250783	Gmdrm	hypo	CG	-0.0243
Gm15	6251410	6251479	Gmdrm	hypo	CG	-0.8362
Gm15	6251614	6251867	Gmdrm	hypo	CG	-0.9329
Gm15	6259707	6260045	Gmdrm	hypo	CG	-0.5287
Gm15	6260313	6260458	Gmdrm	hypo	CG	-0.5725
Gm15	6290382	6290546	Gmdrm	hypo	CG	-0.3309
Gm15	6294079	6294116	Gmdrm	hypo	CG	-0.066
Gm15	6310874	6311044	Gmdrm	hypo	CG	-0.1024
Gm15	6351875	6351967	Gmdrm	hypo	CG	-0.6334
Gm15	6356126	6356194	Gmdrm	hypo	CG	-0.674
Gm15	6425755	6425944	Gmdrm	hypo	CG	-0.0386
Gm15	6460177	6460357	Gmdrm	hypo	CG	-0.8925

Gm15	6505184	6505377 Gmdrm	hypo	CG	-0.1178
Gm15	6545756	6545837 Gmdrm	hypo	CG	-0.036
Gm15	6564214	6564262 Gmdrm	hypo	CG	-0.7667
Gm15	6576260	6576382 Gmdrm	hypo	CG	-0.955
Gm15	6590179	6590260 Gmdrm	hypo	CG	-0.974
Gm15	6651493	6651846 Gmdrm	hypo	CG	-0.8465
Gm15	6652267	6652998 Gmdrm	hypo	CG	-0.9246
Gm15	6660359	6660418 Gmdrm	hypo	CG	-0.4616
Gm15	6661102	6661293 Gmdrm	hypo	CG	-0.282
Gm15	6661911	6662320 Gmdrm	hypo	CG	-0.0721
Gm15	6670095	6670264 Gmdrm	hypo	CG	-0.6134
Gm15	6676137	6676854 Gmdrm	hypo	CG	-0.52
Gm15	6715977	6716125 Gmdrm	hypo	CG	-0.5158
Gm15	6778596	6779241 Gmdrm	hypo	CG	-0.1014
Gm15	6779518	6779646 Gmdrm	hypo	CG	-0.1042
Gm15	6790913	6791011 Gmdrm	hypo	CG	-0.037
Gm15	6791942	6792075 Gmdrm	hypo	CG	-0.7866
Gm15	6808219	6808294 Gmdrm	hypo	CG	-0.45
Gm15	6831548	6831660 Gmdrm	hypo	CG	-0.0467
Gm15	6833561	6833686 Gmdrm	hypo	CG	-0.5162
Gm15	6849063	6849158 Gmdrm	hypo	CG	-0.048
Gm15	6849447	6849640 Gmdrm	hypo	CG	-0.052
Gm15	6856231	6856326 Gmdrm	hypo	CG	-0.9383
Gm15	6877723	6877948 Gmdrm	hypo	CG	-0.6904
Gm15	6890423	6890806 Gmdrm	hypo	CG	-0.2739
Gm15	6892132	6892466 Gmdrm	hypo	CG	-0.1713
Gm15	6896249	6896392 Gmdrm	hypo	CG	-0.5766
Gm15	6932752	6932968 Gmdrm	hypo	CG	-0.6043
Gm15	6939323	6939498 Gmdrm	hypo	CG	-0.8171
Gm15	6965643	6966168 Gmdrm	hypo	CG	-0.2966
Gm15	6966339	6966524 Gmdrm	hypo	CG	-0.439
Gm15	6989612	6989735 Gmdrm	hypo	CG	-0.67
Gm15	7023393	7023461 Gmdrm	hypo	CG	-0.6025
Gm15	7025225	7026196 Gmdrm	hypo	CG	-0.0913
Gm15	7043590	7043798 Gmdrm	hypo	CG	-0.3132
Gm15	7056305	7056610 Gmdrm	hypo	CG	-0.7364
Gm15	7069738	7069906 Gmdrm	hypo	CG	-0.478
Gm15	7121992	7122128 Gmdrm	hypo	CG	-0.0375
Gm15	7128696	7128742 Gmdrm	hypo	CG	-0.9087
Gm15	7129239	7129370 Gmdrm	hypo	CG	-0.869
Gm15	7130036	7130066 Gmdrm	hypo	CG	-0.695
Gm15	7138956	7139029 Gmdrm	hypo	CG	-0.93
Gm15	7155518	7155726 Gmdrm	hypo	CG	-0.934
Gm15	7156879	7157152 Gmdrm	hypo	CG	-0.2031
Gm15	7173545	7173660 Gmdrm	hypo	CG	-0.64
Gm15	7191127	7191266 Gmdrm	hypo	CG	-0.038

Gm15	7206111	7206252 Gmdrm	hypo	CG	-0.134
Gm15	7231533	7231674 Gmdrm	hypo	CG	-0.046
Gm15	7262391	7262532 Gmdrm	hypo	CG	-0.6333
Gm15	7302844	7303058 Gmdrm	hypo	CG	-0.7539
Gm15	7307258	7307328 Gmdrm	hypo	CG	-0.8688
Gm15	7327457	7327600 Gmdrm	hypo	CG	-0.68
Gm15	7328032	7328169 Gmdrm	hypo	CG	-0.5539
Gm15	7343342	7343356 Gmdrm	hypo	CG	-0.69
Gm15	7369171	7369297 Gmdrm	hypo	CG	-0.923
Gm15	7398274	7398489 Gmdrm	hypo	CG	-0.8335
Gm15	7398614	7398793 Gmdrm	hypo	CG	-0.944
Gm15	7399275	7399472 Gmdrm	hypo	CG	-0.2888
Gm15	7407304	7407438 Gmdrm	hypo	CG	-0.04
Gm15	7411024	7411240 Gmdrm	hypo	CG	-0.4933
Gm15	7412509	7412659 Gmdrm	hypo	CG	-0.896
Gm15	7462187	7462572 Gmdrm	hypo	CG	-0.2512
Gm15	7463178	7463454 Gmdrm	hypo	CG	-0.7356
Gm15	7506656	7506798 Gmdrm	hypo	CG	-0.921
Gm15	7507296	7507374 Gmdrm	hypo	CG	-0.9217
Gm15	7507482	7507543 Gmdrm	hypo	CG	-0.8966
Gm15	7545942	7546141 Gmdrm	hypo	CG	-0.3075
Gm15	7546326	7546569 Gmdrm	hypo	CG	-0.6367
Gm15	7550528	7550635 Gmdrm	hypo	CG	-0.2467
Gm15	7568875	7568979 Gmdrm	hypo	CG	-0.479
Gm15	7590488	7590600 Gmdrm	hypo	CG	-0.8375
Gm15	7605723	7605790 Gmdrm	hypo	CG	-0.955
Gm15	7653708	7653836 Gmdrm	hypo	CG	-0.2593
Gm15	7654284	7654412 Gmdrm	hypo	CG	-0.407
Gm15	7654558	7654776 Gmdrm	hypo	CG	-0.451
Gm15	7656444	7656529 Gmdrm	hypo	CG	-0.3
Gm15	7657278	7657344 Gmdrm	hypo	CG	-0.48
Gm15	7677679	7677802 Gmdrm	hypo	CG	-0.0313
Gm15	7678809	7679233 Gmdrm	hypo	CG	-0.6082
Gm15	7685677	7686112 Gmdrm	hypo	CG	-0.248
Gm15	7688168	7688322 Gmdrm	hypo	CG	-0.949
Gm15	7728410	7728561 Gmdrm	hypo	CG	-0.0383
Gm15	7780207	7780248 Gmdrm	hypo	CG	-0.5663
Gm15	7783181	7783281 Gmdrm	hypo	CG	-0.405
Gm15	7783456	7783494 Gmdrm	hypo	CG	-0.8617
Gm15	7790537	7790954 Gmdrm	hypo	CG	-0.4429
Gm15	7800745	7801064 Gmdrm	hypo	CG	-0.214
Gm15	7807749	7807897 Gmdrm	hypo	CG	-0.8533
Gm15	7809955	7810179 Gmdrm	hypo	CG	-0.9659
Gm15	7810339	7810496 Gmdrm	hypo	CG	-0.712
Gm15	7813332	7813453 Gmdrm	hypo	CG	-0.4323
Gm15	7831902	7832177 Gmdrm	hypo	CG	-0.375

Gm15	7832338	7832499	Gmdrm	hypo	CG	-0.2576
Gm15	7833079	7833195	Gmdrm	hypo	CG	-0.192
Gm15	7834147	7834259	Gmdrm	hypo	CG	-0.7237
Gm15	7837309	7837481	Gmdrm	hypo	CG	-0.7337
Gm15	7848826	7848849	Gmdrm	hypo	CG	-0.05
Gm15	7909121	7909311	Gmdrm	hypo	CG	-0.748
Gm15	7916328	7916437	Gmdrm	hypo	CG	-0.4466
Gm15	7923833	7923896	Gmdrm	hypo	CG	-0.7488
Gm15	7924201	7924636	Gmdrm	hypo	CG	-0.7739
Gm15	7933592	7933702	Gmdrm	hypo	CG	-0.696
Gm15	7946977	7947132	Gmdrm	hypo	CG	-0.2139
Gm15	7977225	7977252	Gmdrm	hypo	CG	-0.5875
Gm15	8010944	8011091	Gmdrm	hypo	CG	-0.305
Gm15	8025693	8025775	Gmdrm	hypo	CG	-0.2112
Gm15	8032355	8032613	Gmdrm	hypo	CG	-0.055
Gm15	8085101	8085206	Gmdrm	hypo	CG	-0.7183
Gm15	8091351	8091471	Gmdrm	hypo	CG	-0.8866
Gm15	8092312	8093110	Gmdrm	hypo	CG	-0.4533
Gm15	8093284	8093386	Gmdrm	hypo	CG	-0.708
Gm15	8094504	8094568	Gmdrm	hypo	CG	-0.056
Gm15	8096381	8096529	Gmdrm	hypo	CG	-0.0711
Gm15	8119864	8119937	Gmdrm	hypo	CG	-0.93
Gm15	8139362	8139747	Gmdrm	hypo	CG	-0.8333
Gm15	8144909	8145043	Gmdrm	hypo	CG	-0.7706
Gm15	8145534	8145673	Gmdrm	hypo	CG	-0.417
Gm15	8157620	8157912	Gmdrm	hypo	CG	-0.0362
Gm15	8175845	8176106	Gmdrm	hypo	CG	-0.0457
Gm15	8213294	8213575	Gmdrm	hypo	CG	-0.5458
Gm15	8218178	8218304	Gmdrm	hypo	CG	-0.044
Gm15	8222794	8223047	Gmdrm	hypo	CG	-0.525
Gm15	8224262	8224419	Gmdrm	hypo	CG	-0.9025
Gm15	8258248	8258651	Gmdrm	hypo	CG	-0.7535
Gm15	8258823	8258849	Gmdrm	hypo	CG	-0.9717
Gm15	8276256	8276484	Gmdrm	hypo	CG	-0.042
Gm15	8288280	8288406	Gmdrm	hypo	CG	-0.3001
Gm15	8294158	8294215	Gmdrm	hypo	CG	-0.635
Gm15	8297623	8297636	Gmdrm	hypo	CG	-0.945
Gm15	8307818	8308023	Gmdrm	hypo	CG	-0.6324
Gm15	8308235	8308371	Gmdrm	hypo	CG	-0.5117
Gm15	8342056	8342101	Gmdrm	hypo	CG	-0.645
Gm15	8368394	8368437	Gmdrm	hypo	CG	-0.95
Gm15	8375262	8375341	Gmdrm	hypo	CG	-0.6834
Gm15	8376200	8376471	Gmdrm	hypo	CG	-0.95
Gm15	8387306	8387411	Gmdrm	hypo	CG	-0.758
Gm15	8394503	8394657	Gmdrm	hypo	CG	-0.346
Gm15	8395248	8395385	Gmdrm	hypo	CG	-0.4115

Gm15	8395800	8395913	Gmdrm	hypo	CG	-0.792
Gm15	8414913	8415332	Gmdrm	hypo	CG	-0.04
Gm15	8424767	8425092	Gmdrm	hypo	CG	-0.563
Gm15	8425389	8425566	Gmdrm	hypo	CG	-0.6953
Gm15	8499631	8499784	Gmdrm	hypo	CG	-0.6217
Gm15	8540594	8540722	Gmdrm	hypo	CG	-0.9136
Gm15	8549371	8549536	Gmdrm	hypo	CG	-0.3167
Gm15	8576667	8576800	Gmdrm	hypo	CG	-0.7725
Gm15	8577066	8577203	Gmdrm	hypo	CG	-0.0392
Gm15	8578037	8578585	Gmdrm	hypo	CG	-0.178
Gm15	8589068	8589082	Gmdrm	hypo	CG	-0.8617
Gm15	8622236	8622449	Gmdrm	hypo	CG	-0.7814
Gm15	8636773	8636978	Gmdrm	hypo	CG	-0.4129
Gm15	8647564	8647870	Gmdrm	hypo	CG	-0.9239
Gm15	8653666	8653828	Gmdrm	hypo	CG	-0.06
Gm15	8680144	8680355	Gmdrm	hypo	CG	-0.8271
Gm15	8686102	8686479	Gmdrm	hypo	CG	-0.5141
Gm15	8718617	8718817	Gmdrm	hypo	CG	-0.9521
Gm15	8734337	8734428	Gmdrm	hypo	CG	-0.05
Gm15	8750247	8750450	Gmdrm	hypo	CG	-0.8822
Gm15	8761384	8761574	Gmdrm	hypo	CG	-0.2417
Gm15	8763140	8763373	Gmdrm	hypo	CG	-0.2534
Gm15	8815086	8815214	Gmdrm	hypo	CG	-0.0383
Gm15	8815987	8816251	Gmdrm	hypo	CG	-0.945
Gm15	8873551	8873973	Gmdrm	hypo	CG	-0.3085
Gm15	8888185	8888358	Gmdrm	hypo	CG	-0.9666
Gm15	8888532	8888573	Gmdrm	hypo	CG	-0.124
Gm15	8895649	8895825	Gmdrm	hypo	CG	-0.8992
Gm15	8953893	8954116	Gmdrm	hypo	CG	-0.6038
Gm15	8961852	8962129	Gmdrm	hypo	CG	-0.0756
Gm15	8962499	8962594	Gmdrm	hypo	CG	-0.6867
Gm15	8963123	8963658	Gmdrm	hypo	CG	-0.1242
Gm15	8965649	8965812	Gmdrm	hypo	CG	-0.7733
Gm15	8975014	8975154	Gmdrm	hypo	CG	-0.7087
Gm15	9024968	9025068	Gmdrm	hypo	CG	-0.5434
Gm15	9027433	9027632	Gmdrm	hypo	CG	-0.4171
Gm15	9028010	9028072	Gmdrm	hypo	CG	-0.8267
Gm15	9031419	9031575	Gmdrm	hypo	CG	-0.878
Gm15	9031707	9031826	Gmdrm	hypo	CG	-0.8263
Gm15	9036617	9036807	Gmdrm	hypo	CG	-0.171
Gm15	9040091	9040237	Gmdrm	hypo	CG	-0.058
Gm15	9080052	9080086	Gmdrm	hypo	CG	-0.5833
Gm15	9107349	9107500	Gmdrm	hypo	CG	-0.4589
Gm15	9107958	9108149	Gmdrm	hypo	CG	-0.6378
Gm15	9196342	9196443	Gmdrm	hypo	CG	-0.45
Gm15	9196855	9197109	Gmdrm	hypo	CG	-0.2385

Gm15	9203290	9203367	Gmdrm	hypo	CG	-0.96
Gm15	9204277	9204305	Gmdrm	hypo	CG	-0.3717
Gm15	9226735	9226884	Gmdrm	hypo	CG	-0.3121
Gm15	9248077	9248212	Gmdrm	hypo	CG	-0.08
Gm15	9254330	9254419	Gmdrm	hypo	CG	-0.8367
Gm15	9276286	9276338	Gmdrm	hypo	CG	-0.656
Gm15	9276552	9276579	Gmdrm	hypo	CG	-0.73
Gm15	9276918	9277016	Gmdrm	hypo	CG	-0.8767
Gm15	9282628	9282955	Gmdrm	hypo	CG	-0.92
Gm15	9283656	9283699	Gmdrm	hypo	CG	-0.8784
Gm15	9284013	9284055	Gmdrm	hypo	CG	-0.98
Gm15	9333298	9333824	Gmdrm	hypo	CG	-0.1004
Gm15	9347887	9348285	Gmdrm	hypo	CG	-0.3047
Gm15	9365233	9365889	Gmdrm	hypo	CG	-0.557
Gm15	9382333	9382609	Gmdrm	hypo	CG	-0.68
Gm15	9388294	9388339	Gmdrm	hypo	CG	-0.64
Gm15	9388943	9389117	Gmdrm	hypo	CG	-0.5991
Gm15	9396491	9396640	Gmdrm	hypo	CG	-0.0785
Gm15	9396892	9396943	Gmdrm	hypo	CG	-0.388
Gm15	9412407	9412531	Gmdrm	hypo	CG	-0.476
Gm15	9414268	9414453	Gmdrm	hypo	CG	-0.4655
Gm15	9445070	9445183	Gmdrm	hypo	CG	-0.2888
Gm15	9542880	9542947	Gmdrm	hypo	CG	-0.977
Gm15	9543088	9543218	Gmdrm	hypo	CG	-0.9643
Gm15	9552871	9553266	Gmdrm	hypo	CG	-0.729
Gm15	9568108	9568205	Gmdrm	hypo	CG	-0.12
Gm15	9589453	9589673	Gmdrm	hypo	CG	-0.1067
Gm15	9614634	9615002	Gmdrm	hypo	CG	-0.672
Gm15	9616466	9616618	Gmdrm	hypo	CG	-0.6957
Gm15	9626521	9626569	Gmdrm	hypo	CG	-0.095
Gm15	9629070	9629213	Gmdrm	hypo	CG	-0.4766
Gm15	9656813	9657025	Gmdrm	hypo	CG	-0.7984
Gm15	9686584	9686603	Gmdrm	hypo	CG	-0.3084
Gm15	9707492	9707603	Gmdrm	hypo	CG	-0.5525
Gm15	9744749	9745072	Gmdrm	hypo	CG	-0.7722
Gm15	9745332	9745373	Gmdrm	hypo	CG	-0.4517
Gm15	9745785	9745959	Gmdrm	hypo	CG	-0.5692
Gm15	9757542	9757677	Gmdrm	hypo	CG	-0.8434
Gm15	9768919	9768928	Gmdrm	hypo	CG	-0.0883
Gm15	9769412	9769606	Gmdrm	hypo	CG	-0.117
Gm15	9782157	9782279	Gmdrm	hypo	CG	-0.485
Gm15	9821910	9822174	Gmdrm	hypo	CG	-0.9445
Gm15	9826513	9826697	Gmdrm	hypo	CG	-0.774
Gm15	9842650	9842833	Gmdrm	hypo	CG	-0.5493
Gm15	9855010	9855242	Gmdrm	hypo	CG	-0.801
Gm15	9855362	9855827	Gmdrm	hypo	CG	-0.1839

Gm15	9855934	9856126 Gmdrm	hypo	CG	-0.1045
Gm15	9870272	9870582 Gmdrm	hypo	CG	-0.744
Gm15	9917941	9918032 Gmdrm	hypo	CG	-0.6217
Gm15	9933391	9933429 Gmdrm	hypo	CG	-0.4683
Gm15	9945224	9945347 Gmdrm	hypo	CG	-0.764
Gm15	9958614	9958652 Gmdrm	hypo	CG	-0.6234
Gm15	9981321	9981388 Gmdrm	hypo	CG	-0.764
Gm15	9981621	9981798 Gmdrm	hypo	CG	-0.94
Gm15	9981918	9982074 Gmdrm	hypo	CG	-0.35
Gm15	9989255	9989418 Gmdrm	hypo	CG	-0.714
Gm15	9998530	9998662 Gmdrm	hypo	CG	-0.8843
Gm15	9999787	9999855 Gmdrm	hypo	CG	-0.04
Gm15	10009375	10009486 Gmdrm	hypo	CG	-0.4975
Gm15	10020294	10020457 Gmdrm	hypo	CG	-0.7637
Gm15	10023789	10023819 Gmdrm	hypo	CG	-0.9267
Gm15	10044686	10044917 Gmdrm	hypo	CG	-0.3023
Gm15	10071544	10071615 Gmdrm	hypo	CG	-0.896
Gm15	10072099	10072243 Gmdrm	hypo	CG	-0.6333
Gm15	10073323	10073494 Gmdrm	hypo	CG	-0.8834
Gm15	10074785	10075132 Gmdrm	hypo	CG	-0.527
Gm15	10085314	10085514 Gmdrm	hypo	CG	-0.169
Gm15	10085964	10086162 Gmdrm	hypo	CG	-0.4673
Gm15	10087719	10087970 Gmdrm	hypo	CG	-0.965
Gm15	10101104	10101370 Gmdrm	hypo	CG	-0.2539
Gm15	10102762	10102846 Gmdrm	hypo	CG	-0.792
Gm15	10117323	10117715 Gmdrm	hypo	CG	-0.1141
Gm15	10156177	10156299 Gmdrm	hypo	CG	-0.7017
Gm15	10156615	10156787 Gmdrm	hypo	CG	-0.4763
Gm15	10157080	10157429 Gmdrm	hypo	CG	-0.9054
Gm15	10166809	10167000 Gmdrm	hypo	CG	-0.895
Gm15	10170191	10170396 Gmdrm	hypo	CG	-0.5975
Gm15	10171438	10171672 Gmdrm	hypo	CG	-0.2417
Gm15	10180468	10180735 Gmdrm	hypo	CG	-0.9618
Gm15	10210776	10210857 Gmdrm	hypo	CG	-0.6333
Gm15	10222050	10222156 Gmdrm	hypo	CG	-0.7514
Gm15	10241100	10241186 Gmdrm	hypo	CG	-0.545
Gm15	10262496	10262751 Gmdrm	hypo	CG	-0.5621
Gm15	10265877	10266004 Gmdrm	hypo	CG	-0.038
Gm15	10319027	10319159 Gmdrm	hypo	CG	-0.8088
Gm15	10354646	10354985 Gmdrm	hypo	CG	-0.445
Gm15	10361514	10361629 Gmdrm	hypo	CG	-0.054
Gm15	10364219	10364289 Gmdrm	hypo	CG	-0.7775
Gm15	10364421	10364663 Gmdrm	hypo	CG	-0.6864
Gm15	10366921	10367148 Gmdrm	hypo	CG	-0.9455
Gm15	10385220	10385273 Gmdrm	hypo	CG	-0.795
Gm15	10390009	10390085 Gmdrm	hypo	CG	-0.0433

Gm15	10418275	10418504	Gmdrm	hypo	CG	-0.2074
Gm15	10419249	10419562	Gmdrm	hypo	CG	-0.3729
Gm15	10426922	10427091	Gmdrm	hypo	CG	-0.3465
Gm15	10427204	10427383	Gmdrm	hypo	CG	-0.1273
Gm15	10447499	10447560	Gmdrm	hypo	CG	-0.9437
Gm15	10462415	10462511	Gmdrm	hypo	CG	-0.78
Gm15	10500329	10500488	Gmdrm	hypo	CG	-0.3575
Gm15	10533960	10534021	Gmdrm	hypo	CG	-0.465
Gm15	10541071	10541268	Gmdrm	hypo	CG	-0.9215
Gm15	10554558	10554964	Gmdrm	hypo	CG	-0.7038
Gm15	10555516	10555761	Gmdrm	hypo	CG	-0.8158
Gm15	10559271	10559283	Gmdrm	hypo	CG	-0.7417
Gm15	10577874	10578086	Gmdrm	hypo	CG	-0.514
Gm15	10579268	10579390	Gmdrm	hypo	CG	-0.25
Gm15	10579966	10580156	Gmdrm	hypo	CG	-0.4687
Gm15	10591637	10592246	Gmdrm	hypo	CG	-0.0402
Gm15	10613403	10613756	Gmdrm	hypo	CG	-0.3887
Gm15	10634240	10634279	Gmdrm	hypo	CG	-0.185
Gm15	10636631	10636851	Gmdrm	hypo	CG	-0.3609
Gm15	10655494	10656493	Gmdrm	hypo	CG	-0.143
Gm15	10656650	10656787	Gmdrm	hypo	CG	-0.1946
Gm15	10700572	10700672	Gmdrm	hypo	CG	-0.9683
Gm15	10729674	10729699	Gmdrm	hypo	CG	-0.9375
Gm15	10729832	10729960	Gmdrm	hypo	CG	-0.7375
Gm15	10766504	10766612	Gmdrm	hypo	CG	-0.385
Gm15	10787909	10788118	Gmdrm	hypo	CG	-0.0212
Gm15	10802276	10802351	Gmdrm	hypo	CG	-0.8666
Gm15	10802794	10803134	Gmdrm	hypo	CG	-0.4309
Gm15	10812744	10812789	Gmdrm	hypo	CG	-0.5967
Gm15	10813101	10813579	Gmdrm	hypo	CG	-0.31
Gm15	10827105	10827187	Gmdrm	hypo	CG	-0.6566
Gm15	10831298	10831543	Gmdrm	hypo	CG	-0.7788
Gm15	10832975	10833210	Gmdrm	hypo	CG	-0.7252
Gm15	10836374	10836433	Gmdrm	hypo	CG	-0.778
Gm15	10842500	10842823	Gmdrm	hypo	CG	-0.5078
Gm15	10862739	10862859	Gmdrm	hypo	CG	-0.9275
Gm15	10892624	10892730	Gmdrm	hypo	CG	-0.0867
Gm15	10896112	10896190	Gmdrm	hypo	CG	-0.903
Gm15	10896304	10896460	Gmdrm	hypo	CG	-0.254
Gm15	10909244	10909494	Gmdrm	hypo	CG	-0.9614
Gm15	10928758	10928972	Gmdrm	hypo	CG	-0.7138
Gm15	10930165	10930186	Gmdrm	hypo	CG	-0.4912
Gm15	11000950	11001220	Gmdrm	hypo	CG	-0.283
Gm15	11001352	11001466	Gmdrm	hypo	CG	-0.9533
Gm15	11023801	11023995	Gmdrm	hypo	CG	-0.865
Gm15	11046128	11046377	Gmdrm	hypo	CG	-0.0493

Gm15	11064173	11064196	Gmdrm	hypo	CG	-0.3116
Gm15	11064367	11064519	Gmdrm	hypo	CG	-0.6544
Gm15	11070034	11070330	Gmdrm	hypo	CG	-0.2665
Gm15	11086573	11086660	Gmdrm	hypo	CG	-0.2384
Gm15	11088998	11089225	Gmdrm	hypo	CG	-0.0706
Gm15	11174113	11174225	Gmdrm	hypo	CG	-0.8717
Gm15	11188025	11188159	Gmdrm	hypo	CG	-0.5114
Gm15	11188364	11188420	Gmdrm	hypo	CG	-0.4066
Gm15	11216537	11216638	Gmdrm	hypo	CG	-0.78
Gm15	11228102	11228300	Gmdrm	hypo	CG	-0.0657
Gm15	11244403	11244562	Gmdrm	hypo	CG	-0.5633
Gm15	11260090	11260116	Gmdrm	hypo	CG	-0.9883
Gm15	11278749	11278894	Gmdrm	hypo	CG	-0.3688
Gm15	11279102	11279189	Gmdrm	hypo	CG	-0.41
Gm15	11279427	11279434	Gmdrm	hypo	CG	-0.4
Gm15	11279542	11279705	Gmdrm	hypo	CG	-0.3287
Gm15	11295701	11295931	Gmdrm	hypo	CG	-0.6584
Gm15	11302724	11303022	Gmdrm	hypo	CG	-0.6939
Gm15	11318806	11318972	Gmdrm	hypo	CG	-0.945
Gm15	11319318	11319468	Gmdrm	hypo	CG	-0.7314
Gm15	11397826	11397914	Gmdrm	hypo	CG	-0.4683
Gm15	11402070	11402135	Gmdrm	hypo	CG	-0.5888
Gm15	11415307	11415456	Gmdrm	hypo	CG	-0.5941
Gm15	11417956	11418103	Gmdrm	hypo	CG	-0.2
Gm15	11425598	11425689	Gmdrm	hypo	CG	-0.034
Gm15	11436473	11436587	Gmdrm	hypo	CG	-0.6763
Gm15	11451873	11452089	Gmdrm	hypo	CG	-0.6564
Gm15	11452733	11452884	Gmdrm	hypo	CG	-0.885
Gm15	11469477	11469547	Gmdrm	hypo	CG	-0.7166
Gm15	11476179	11476442	Gmdrm	hypo	CG	-0.2638
Gm15	11476706	11477086	Gmdrm	hypo	CG	-0.2812
Gm15	11484071	11484247	Gmdrm	hypo	CG	-0.3275
Gm15	11484403	11484616	Gmdrm	hypo	CG	-0.5528
Gm15	11501105	11501224	Gmdrm	hypo	CG	-0.14
Gm15	11501326	11501428	Gmdrm	hypo	CG	-0.82
Gm15	11513056	11513298	Gmdrm	hypo	CG	-0.199
Gm15	11514978	11515182	Gmdrm	hypo	CG	-0.2011
Gm15	11552819	11552913	Gmdrm	hypo	CG	-0.7987
Gm15	11553082	11553170	Gmdrm	hypo	CG	-0.9633
Gm15	11553711	11554105	Gmdrm	hypo	CG	-0.64
Gm15	11562187	11562257	Gmdrm	hypo	CG	-0.805
Gm15	11562385	11562552	Gmdrm	hypo	CG	-0.84
Gm15	11563254	11563510	Gmdrm	hypo	CG	-0.7593
Gm15	11564760	11564799	Gmdrm	hypo	CG	-0.735
Gm15	11564913	11564965	Gmdrm	hypo	CG	-0.4487
Gm15	11588565	11588958	Gmdrm	hypo	CG	-0.5155

Gm15	11605424	11605897	Gmdrm	hypo	CG	-0.6014
Gm15	11608287	11608382	Gmdrm	hypo	CG	-0.8483
Gm15	11618324	11618618	Gmdrm	hypo	CG	-0.3636
Gm15	11624457	11624539	Gmdrm	hypo	CG	-0.824
Gm15	11634787	11634926	Gmdrm	hypo	CG	-0.147
Gm15	11653944	11654432	Gmdrm	hypo	CG	-0.1732
Gm15	11657455	11657739	Gmdrm	hypo	CG	-0.0368
Gm15	11658556	11658743	Gmdrm	hypo	CG	-0.335
Gm15	11685612	11685960	Gmdrm	hypo	CG	-0.4559
Gm15	11686410	11686459	Gmdrm	hypo	CG	-0.2666
Gm15	11686998	11687058	Gmdrm	hypo	CG	-0.189
Gm15	11696157	11696290	Gmdrm	hypo	CG	-0.79
Gm15	11696720	11696875	Gmdrm	hypo	CG	-0.9132
Gm15	11698033	11698273	Gmdrm	hypo	CG	-0.7727
Gm15	11756338	11756679	Gmdrm	hypo	CG	-0.5475
Gm15	11770367	11770692	Gmdrm	hypo	CG	-0.3778
Gm15	11770851	11771039	Gmdrm	hypo	CG	-0.63
Gm15	11777715	11777870	Gmdrm	hypo	CG	-0.5129
Gm15	11778055	11778073	Gmdrm	hypo	CG	-0.495
Gm15	11779537	11779665	Gmdrm	hypo	CG	-0.6788
Gm15	11793699	11793999	Gmdrm	hypo	CG	-0.053
Gm15	11808043	11808050	Gmdrm	hypo	CG	-0.1883
Gm15	11819797	11819916	Gmdrm	hypo	CG	-0.645
Gm15	11820020	11820349	Gmdrm	hypo	CG	-0.51
Gm15	11829569	11829691	Gmdrm	hypo	CG	-0.9338
Gm15	11845624	11846103	Gmdrm	hypo	CG	-0.6085
Gm15	11846436	11846560	Gmdrm	hypo	CG	-0.4437
Gm15	11853619	11853829	Gmdrm	hypo	CG	-0.9137
Gm15	11854939	11854957	Gmdrm	hypo	CG	-0.87
Gm15	11860388	11860512	Gmdrm	hypo	CG	-0.332
Gm15	11864165	11864288	Gmdrm	hypo	CG	-0.8226
Gm15	11864867	11865281	Gmdrm	hypo	CG	-0.0621
Gm15	11877145	11877373	Gmdrm	hypo	CG	-0.3937
Gm15	11909945	11910564	Gmdrm	hypo	CG	-0.506
Gm15	11914520	11915507	Gmdrm	hypo	CG	-0.0321
Gm15	11920042	11920284	Gmdrm	hypo	CG	-0.7566
Gm15	11920426	11920621	Gmdrm	hypo	CG	-0.3208
Gm15	11937576	11937758	Gmdrm	hypo	CG	-0.099
Gm15	11963282	11964145	Gmdrm	hypo	CG	-0.1368
Gm15	11965625	11965717	Gmdrm	hypo	CG	-0.098
Gm15	11966274	11966333	Gmdrm	hypo	CG	-0.7117
Gm15	11966437	11966476	Gmdrm	hypo	CG	-0.644
Gm15	11972327	11972433	Gmdrm	hypo	CG	-0.034
Gm15	11982219	11982271	Gmdrm	hypo	CG	-0.8583
Gm15	11984067	11984113	Gmdrm	hypo	CG	-0.8284
Gm15	11984285	11984344	Gmdrm	hypo	CG	-0.644

Gm15	11985621	11985751	Gmdrm	hypo	CG	-0.445
Gm15	11987708	11987830	Gmdrm	hypo	CG	-0.6
Gm15	11988523	11988688	Gmdrm	hypo	CG	-0.6067
Gm15	11999590	11999709	Gmdrm	hypo	CG	-0.79
Gm15	12003076	12003124	Gmdrm	hypo	CG	-0.085
Gm15	12009854	12009937	Gmdrm	hypo	CG	-0.035
Gm15	12014205	12014349	Gmdrm	hypo	CG	-0.052
Gm15	12015809	12015845	Gmdrm	hypo	CG	-0.7017
Gm15	12031509	12031680	Gmdrm	hypo	CG	-0.2642
Gm15	12044682	12045175	Gmdrm	hypo	CG	-0.2657
Gm15	12060641	12060834	Gmdrm	hypo	CG	-0.3521
Gm15	12076615	12076687	Gmdrm	hypo	CG	-0.6926
Gm15	12094625	12094680	Gmdrm	hypo	CG	-0.785
Gm15	12097641	12097901	Gmdrm	hypo	CG	-0.9136
Gm15	12099100	12099135	Gmdrm	hypo	CG	-0.92
Gm15	12116911	12116958	Gmdrm	hypo	CG	-0.5284
Gm15	12123823	12124205	Gmdrm	hypo	CG	-0.0981
Gm15	12129750	12130136	Gmdrm	hypo	CG	-0.7007
Gm15	12159008	12159175	Gmdrm	hypo	CG	-0.1886
Gm15	12173412	12174050	Gmdrm	hypo	CG	-0.295
Gm15	12179190	12179539	Gmdrm	hypo	CG	-0.0926
Gm15	12192429	12192520	Gmdrm	hypo	CG	-0.42
Gm15	12192625	12192739	Gmdrm	hypo	CG	-0.59
Gm15	12194040	12194177	Gmdrm	hypo	CG	-0.076
Gm15	12194856	12194928	Gmdrm	hypo	CG	-0.3333
Gm15	12196111	12196192	Gmdrm	hypo	CG	-0.32
Gm15	12196309	12196378	Gmdrm	hypo	CG	-0.435
Gm15	12196818	12197376	Gmdrm	hypo	CG	-0.2511
Gm15	12200769	12200784	Gmdrm	hypo	CG	-0.1717
Gm15	12200914	12201110	Gmdrm	hypo	CG	-0.725
Gm15	12201610	12201635	Gmdrm	hypo	CG	-0.349
Gm15	12201775	12201917	Gmdrm	hypo	CG	-0.486
Gm15	12220083	12220300	Gmdrm	hypo	CG	-0.4525
Gm15	12224169	12224443	Gmdrm	hypo	CG	-0.4174
Gm15	12231608	12231784	Gmdrm	hypo	CG	-0.2014
Gm15	12233949	12234235	Gmdrm	hypo	CG	-0.1157
Gm15	12234849	12235019	Gmdrm	hypo	CG	-0.3033
Gm15	12254276	12254346	Gmdrm	hypo	CG	-0.0384
Gm15	12255142	12255439	Gmdrm	hypo	CG	-0.9571
Gm15	12257817	12257948	Gmdrm	hypo	CG	-0.8487
Gm15	12289353	12289461	Gmdrm	hypo	CG	-0.2575
Gm15	12294883	12294900	Gmdrm	hypo	CG	-0.7433
Gm15	12296998	12297155	Gmdrm	hypo	CG	-0.7238
Gm15	12309547	12309590	Gmdrm	hypo	CG	-0.7483
Gm15	12310112	12310225	Gmdrm	hypo	CG	-0.1084
Gm15	12310918	12310971	Gmdrm	hypo	CG	-0.66

Gm15	12322556	12322824	Gmdrm	hypo	CG	-0.5784
Gm15	12330334	12330436	Gmdrm	hypo	CG	-0.9383
Gm15	12331009	12331091	Gmdrm	hypo	CG	-0.47
Gm15	12333732	12333858	Gmdrm	hypo	CG	-0.9033
Gm15	12383423	12383671	Gmdrm	hypo	CG	-0.1822
Gm15	12415108	12415199	Gmdrm	hypo	CG	-0.042
Gm15	12417214	12417673	Gmdrm	hypo	CG	-0.65
Gm15	12418630	12418785	Gmdrm	hypo	CG	-0.7
Gm15	12421647	12421791	Gmdrm	hypo	CG	-0.23
Gm15	12424079	12424305	Gmdrm	hypo	CG	-0.7386
Gm15	12425288	12425635	Gmdrm	hypo	CG	-0.5118
Gm15	12426176	12426636	Gmdrm	hypo	CG	-0.726
Gm15	12435145	12435361	Gmdrm	hypo	CG	-0.424
Gm15	12443108	12443143	Gmdrm	hypo	CG	-0.058
Gm15	12459731	12460424	Gmdrm	hypo	CG	-0.2512
Gm15	12465384	12465425	Gmdrm	hypo	CG	-0.8625
Gm15	12490298	12490498	Gmdrm	hypo	CG	-0.0475
Gm15	12499140	12499618	Gmdrm	hypo	CG	-0.3162
Gm15	12529096	12529325	Gmdrm	hypo	CG	-0.7073
Gm15	12529631	12529749	Gmdrm	hypo	CG	-0.2108
Gm15	12537496	12537828	Gmdrm	hypo	CG	-0.2074
Gm15	12539371	12539514	Gmdrm	hypo	CG	-0.2733
Gm15	12561998	12562366	Gmdrm	hypo	CG	-0.6062
Gm15	12564062	12564350	Gmdrm	hypo	CG	-0.5553
Gm15	12564618	12564803	Gmdrm	hypo	CG	-0.7483
Gm15	12581528	12581905	Gmdrm	hypo	CG	-0.628
Gm15	12583672	12583685	Gmdrm	hypo	CG	-0.845
Gm15	12594555	12594600	Gmdrm	hypo	CG	-0.2033
Gm15	12594722	12594844	Gmdrm	hypo	CG	-0.875
Gm15	12596676	12596904	Gmdrm	hypo	CG	-0.0507
Gm15	12655189	12655443	Gmdrm	hypo	CG	-0.6325
Gm15	12655568	12655644	Gmdrm	hypo	CG	-0.9237
Gm15	12665834	12665878	Gmdrm	hypo	CG	-0.08
Gm15	12677545	12677689	Gmdrm	hypo	CG	-0.8456
Gm15	12680210	12680343	Gmdrm	hypo	CG	-0.2538
Gm15	12681790	12682026	Gmdrm	hypo	CG	-0.3616
Gm15	12686058	12686226	Gmdrm	hypo	CG	-0.0735
Gm15	12721409	12721496	Gmdrm	hypo	CG	-0.2717
Gm15	12721614	12721674	Gmdrm	hypo	CG	-0.131
Gm15	12734514	12734751	Gmdrm	hypo	CG	-0.7975
Gm15	12735690	12735828	Gmdrm	hypo	CG	-0.5844
Gm15	12747344	12747416	Gmdrm	hypo	CG	-0.0383
Gm15	12754461	12754613	Gmdrm	hypo	CG	-0.5422
Gm15	12763694	12763790	Gmdrm	hypo	CG	-0.05
Gm15	12766413	12766575	Gmdrm	hypo	CG	-0.8763
Gm15	12772077	12772294	Gmdrm	hypo	CG	-0.275

Gm15	12796698	12796934	Gmdrm	hypo	CG	-0.6247
Gm15	12799058	12799219	Gmdrm	hypo	CG	-0.1714
Gm15	12806413	12806546	Gmdrm	hypo	CG	-0.2925
Gm15	12815068	12815283	Gmdrm	hypo	CG	-0.7375
Gm15	12819391	12819607	Gmdrm	hypo	CG	-0.7512
Gm15	12819952	12820101	Gmdrm	hypo	CG	-0.57
Gm15	12834924	12835043	Gmdrm	hypo	CG	-0.788
Gm15	12835844	12835909	Gmdrm	hypo	CG	-0.3976
Gm15	12870012	12870296	Gmdrm	hypo	CG	-0.2438
Gm15	12894796	12894990	Gmdrm	hypo	CG	-0.21
Gm15	12895994	12896539	Gmdrm	hypo	CG	-0.229
Gm15	12906997	12907089	Gmdrm	hypo	CG	-0.1112
Gm15	12915622	12915748	Gmdrm	hypo	CG	-0.191
Gm15	12916011	12916092	Gmdrm	hypo	CG	-0.5033
Gm15	12916427	12916617	Gmdrm	hypo	CG	-0.7663
Gm15	12943315	12943392	Gmdrm	hypo	CG	-0.54
Gm15	12945070	12945237	Gmdrm	hypo	CG	-0.6409
Gm15	12952919	12953008	Gmdrm	hypo	CG	-0.9725
Gm15	12953171	12953377	Gmdrm	hypo	CG	-0.5466
Gm15	12957918	12958230	Gmdrm	hypo	CG	-0.731
Gm15	12972748	12972840	Gmdrm	hypo	CG	-0.1792
Gm15	12985673	12985796	Gmdrm	hypo	CG	-0.0216
Gm15	13022079	13022126	Gmdrm	hypo	CG	-0.9614
Gm15	13022229	13022442	Gmdrm	hypo	CG	-0.57
Gm15	13052407	13052493	Gmdrm	hypo	CG	-0.3466
Gm15	13052595	13052804	Gmdrm	hypo	CG	-0.15
Gm15	13059425	13059695	Gmdrm	hypo	CG	-0.0464
Gm15	13061276	13061334	Gmdrm	hypo	CG	-0.3484
Gm15	13066407	13066684	Gmdrm	hypo	CG	-0.8269
Gm15	13066878	13067009	Gmdrm	hypo	CG	-0.8608
Gm15	13067174	13067436	Gmdrm	hypo	CG	-0.7673
Gm15	13072835	13073141	Gmdrm	hypo	CG	-0.6944
Gm15	13073452	13073596	Gmdrm	hypo	CG	-0.8162
Gm15	13087611	13087831	Gmdrm	hypo	CG	-0.246
Gm15	13087987	13088227	Gmdrm	hypo	CG	-0.606
Gm15	13089502	13089651	Gmdrm	hypo	CG	-0.2033
Gm15	13115131	13115206	Gmdrm	hypo	CG	-0.745
Gm15	13115361	13115661	Gmdrm	hypo	CG	-0.5029
Gm15	13123769	13123987	Gmdrm	hypo	CG	-0.3507
Gm15	13146801	13147110	Gmdrm	hypo	CG	-0.7721
Gm15	13151151	13151311	Gmdrm	hypo	CG	-0.523
Gm15	13154477	13154688	Gmdrm	hypo	CG	-0.3988
Gm15	13155476	13155605	Gmdrm	hypo	CG	-0.42
Gm15	13158346	13158381	Gmdrm	hypo	CG	-0.9467
Gm15	13245542	13245650	Gmdrm	hypo	CG	-0.6283
Gm15	13246104	13246195	Gmdrm	hypo	CG	-0.22

Gm15	13246483	13246580	Gmdrm	hypo	CG	-0.57
Gm15	13247271	13247479	Gmdrm	hypo	CG	-0.596
Gm15	13258734	13258817	Gmdrm	hypo	CG	-0.7434
Gm15	13315143	13315339	Gmdrm	hypo	CG	-0.0606
Gm15	13346156	13346240	Gmdrm	hypo	CG	-0.896
Gm15	13370345	13370698	Gmdrm	hypo	CG	-0.5227
Gm15	13398543	13398679	Gmdrm	hypo	CG	-0.61
Gm15	13410634	13410760	Gmdrm	hypo	CG	-0.935
Gm15	13415516	13415709	Gmdrm	hypo	CG	-0.4813
Gm15	13431181	13431424	Gmdrm	hypo	CG	-0.048
Gm15	13435866	13436283	Gmdrm	hypo	CG	-0.4105
Gm15	13449182	13449473	Gmdrm	hypo	CG	-0.871
Gm15	13468204	13468442	Gmdrm	hypo	CG	-0.1969
Gm15	13533314	13533849	Gmdrm	hypo	CG	-0.0542
Gm15	13546746	13546941	Gmdrm	hypo	CG	-0.0459
Gm15	13577520	13577612	Gmdrm	hypo	CG	-0.833
Gm15	13598229	13598253	Gmdrm	hypo	CG	-0.9617
Gm15	13610320	13610551	Gmdrm	hypo	CG	-0.0379
Gm15	13661109	13661176	Gmdrm	hypo	CG	-0.049
Gm15	13669865	13670026	Gmdrm	hypo	CG	-0.73
Gm15	13670145	13670349	Gmdrm	hypo	CG	-0.8583
Gm15	13698924	13699056	Gmdrm	hypo	CG	-0.67
Gm15	13722892	13723466	Gmdrm	hypo	CG	-0.06
Gm15	13730861	13731356	Gmdrm	hypo	CG	-0.2663
Gm15	13773665	13773769	Gmdrm	hypo	CG	-0.4645
Gm15	13855836	13856016	Gmdrm	hypo	CG	-0.444
Gm15	13893625	13893739	Gmdrm	hypo	CG	-0.577
Gm15	13894197	13894255	Gmdrm	hypo	CG	-0.515
Gm15	13896064	13896351	Gmdrm	hypo	CG	-0.8689
Gm15	13897762	13898061	Gmdrm	hypo	CG	-0.3425
Gm15	13906718	13906828	Gmdrm	hypo	CG	-0.1166
Gm15	13909713	13910007	Gmdrm	hypo	CG	-0.85
Gm15	13913898	13914152	Gmdrm	hypo	CG	-0.4408
Gm15	13915928	13916148	Gmdrm	hypo	CG	-0.8085
Gm15	13917331	13917748	Gmdrm	hypo	CG	-0.1736
Gm15	13918017	13918207	Gmdrm	hypo	CG	-0.455
Gm15	13929523	13930517	Gmdrm	hypo	CG	-0.0256
Gm15	13934193	13934635	Gmdrm	hypo	CG	-0.044
Gm15	13951655	13951989	Gmdrm	hypo	CG	-0.1645
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Gm15	13963822	13964367	Gmdrm	hypo	CG	-0.4459
Gm15	13967953	13968102	Gmdrm	hypo	CG	-0.956
Gm15	13992597	13992695	Gmdrm	hypo	CG	-0.95
Gm15	13993082	13993131	Gmdrm	hypo	CG	-0.6651
Gm15	13998974	13999181	Gmdrm	hypo	CG	-0.2808
Gm15	14041657	14042002	Gmdrm	hypo	CG	-0.8089

Gm15	14054097	14054223	Gmdrm	hypo	CG	-0.6267
Gm15	14090488	14090912	Gmdrm	hypo	CG	-0.419
Gm15	14091646	14092062	Gmdrm	hypo	CG	-0.1675
Gm15	14117879	14118023	Gmdrm	hypo	CG	-0.4338
Gm15	14147421	14148412	Gmdrm	hypo	CG	-0.039
Gm15	14151936	14152111	Gmdrm	hypo	CG	-0.5616
Gm15	14166245	14166788	Gmdrm	hypo	CG	-0.5026
Gm15	14167550	14168053	Gmdrm	hypo	CG	-0.7923
Gm15	14168156	14168277	Gmdrm	hypo	CG	-0.8663
Gm15	14172677	14172815	Gmdrm	hypo	CG	-0.5507
Gm15	14179247	14179385	Gmdrm	hypo	CG	-0.3036
Gm15	14193358	14193470	Gmdrm	hypo	CG	-0.04
Gm15	14210596	14210749	Gmdrm	hypo	CG	-0.0483
Gm15	14211200	14211310	Gmdrm	hypo	CG	-0.126
Gm15	14222300	14222353	Gmdrm	hypo	CG	-0.329
Gm15	14237875	14238101	Gmdrm	hypo	CG	-0.931
Gm15	14250221	14250553	Gmdrm	hypo	CG	-0.1971
Gm15	14262323	14262444	Gmdrm	hypo	CG	-0.2217
Gm15	14264169	14264274	Gmdrm	hypo	CG	-0.4925
Gm15	14271612	14271685	Gmdrm	hypo	CG	-0.35
Gm15	14272079	14272273	Gmdrm	hypo	CG	-0.8587
Gm15	14282271	14282395	Gmdrm	hypo	CG	-0.062
Gm15	14282548	14282786	Gmdrm	hypo	CG	-0.4421
Gm15	14282897	14283084	Gmdrm	hypo	CG	-0.4992
Gm15	14289443	14289552	Gmdrm	hypo	CG	-0.072
Gm15	14325754	14325865	Gmdrm	hypo	CG	-0.5183
Gm15	14339599	14339698	Gmdrm	hypo	CG	-0.21
Gm15	14340371	14340575	Gmdrm	hypo	CG	-0.354
Gm15	14368721	14368824	Gmdrm	hypo	CG	-0.3387
Gm15	14374328	14374394	Gmdrm	hypo	CG	-0.6133
Gm15	14392907	14392927	Gmdrm	hypo	CG	-0.705
Gm15	14397842	14397968	Gmdrm	hypo	CG	-0.33
Gm15	14398074	14398142	Gmdrm	hypo	CG	-0.9367
Gm15	14421126	14421278	Gmdrm	hypo	CG	-0.6417
Gm15	14435635	14435936	Gmdrm	hypo	CG	-0.0396
Gm15	14463512	14463582	Gmdrm	hypo	CG	-0.3883
Gm15	14463715	14463796	Gmdrm	hypo	CG	-0.3987
Gm15	14467076	14467210	Gmdrm	hypo	CG	-0.4817
Gm15	14469190	14469265	Gmdrm	hypo	CG	-0.335
Gm15	14538437	14538535	Gmdrm	hypo	CG	-0.122
Gm15	14546167	14546277	Gmdrm	hypo	CG	-0.9213
Gm15	14550677	14551095	Gmdrm	hypo	CG	-0.7723
Gm15	14551261	14551400	Gmdrm	hypo	CG	-0.8887
Gm15	14551928	14552089	Gmdrm	hypo	CG	-0.6359
Gm15	14554332	14554504	Gmdrm	hypo	CG	-0.7321
Gm15	14559614	14559654	Gmdrm	hypo	CG	-0.8983

Gm15	14581631	14581719	Gmdrm	hypo	CG	-0.185
Gm15	14591240	14591449	Gmdrm	hypo	CG	-0.428
Gm15	14601174	14601331	Gmdrm	hypo	CG	-0.5974
Gm15	14607641	14608039	Gmdrm	hypo	CG	-0.3693
Gm15	14641958	14642206	Gmdrm	hypo	CG	-0.046
Gm15	14650928	14651047	Gmdrm	hypo	CG	-0.1387
Gm15	14672931	14673019	Gmdrm	hypo	CG	-0.06
Gm15	14673129	14673216	Gmdrm	hypo	CG	-0.4525
Gm15	14692110	14692151	Gmdrm	hypo	CG	-0.4875
Gm15	14693502	14693644	Gmdrm	hypo	CG	-0.65
Gm15	14693971	14694135	Gmdrm	hypo	CG	-0.5075
Gm15	14699267	14699440	Gmdrm	hypo	CG	-0.2969
Gm15	14699545	14699843	Gmdrm	hypo	CG	-0.1349
Gm15	14707427	14707602	Gmdrm	hypo	CG	-0.2213
Gm15	14708664	14709068	Gmdrm	hypo	CG	-0.1236
Gm15	14709950	14710592	Gmdrm	hypo	CG	-0.2273
Gm15	14714555	14715068	Gmdrm	hypo	CG	-0.3348
Gm15	14717779	14717949	Gmdrm	hypo	CG	-0.6024
Gm15	14722914	14723207	Gmdrm	hypo	CG	-0.244
Gm15	14731128	14731374	Gmdrm	hypo	CG	-0.8994
Gm15	14744256	14744290	Gmdrm	hypo	CG	-0.95
Gm15	14761567	14761870	Gmdrm	hypo	CG	-0.0489
Gm15	14764548	14764595	Gmdrm	hypo	CG	-0.365
Gm15	14774921	14775061	Gmdrm	hypo	CG	-0.43
Gm15	14780730	14780800	Gmdrm	hypo	CG	-0.1174
Gm15	14780924	14781424	Gmdrm	hypo	CG	-0.2215
Gm15	14781946	14782096	Gmdrm	hypo	CG	-0.8501
Gm15	14804120	14804131	Gmdrm	hypo	CG	-0.9033
Gm15	14810221	14810501	Gmdrm	hypo	CG	-0.1208
Gm15	14849291	14849413	Gmdrm	hypo	CG	-0.109
Gm15	14852761	14852835	Gmdrm	hypo	CG	-0.5667
Gm15	14853429	14853732	Gmdrm	hypo	CG	-0.6503
Gm15	14880462	14880624	Gmdrm	hypo	CG	-0.8984
Gm15	14881157	14881316	Gmdrm	hypo	CG	-0.5325
Gm15	14948806	14948841	Gmdrm	hypo	CG	-0.074
Gm15	14949180	14949222	Gmdrm	hypo	CG	-0.945
Gm15	14949341	14949358	Gmdrm	hypo	CG	-0.9233
Gm15	14964781	14964900	Gmdrm	hypo	CG	-0.0449
Gm15	14967189	14967228	Gmdrm	hypo	CG	-0.0912
Gm15	14980113	14980197	Gmdrm	hypo	CG	-0.058
Gm15	14983464	14983712	Gmdrm	hypo	CG	-0.05
Gm15	15016323	15016581	Gmdrm	hypo	CG	-0.5522
Gm15	15020414	15020585	Gmdrm	hypo	CG	-0.6211
Gm15	15030891	15030993	Gmdrm	hypo	CG	-0.941
Gm15	15031467	15031596	Gmdrm	hypo	CG	-0.845
Gm15	15063793	15064129	Gmdrm	hypo	CG	-0.5617

Gm15	15076567	15076750 Gmdrm	hypo	CG	-0.0737
Gm15	15103351	15103633 Gmdrm	hypo	CG	-0.3215
Gm15	15107081	15107447 Gmdrm	hypo	CG	-0.2314
Gm15	15167374	15167521 Gmdrm	hypo	CG	-0.204
Gm15	15183469	15183865 Gmdrm	hypo	CG	-0.1507
Gm15	15184000	15184095 Gmdrm	hypo	CG	-0.3067
Gm15	15185113	15185206 Gmdrm	hypo	CG	-0.1337
Gm15	15186597	15186905 Gmdrm	hypo	CG	-0.1963
Gm15	15196342	15196482 Gmdrm	hypo	CG	-0.543
Gm15	15204150	15204356 Gmdrm	hypo	CG	-0.3367
Gm15	15204523	15204633 Gmdrm	hypo	CG	-0.148
Gm15	15205386	15205501 Gmdrm	hypo	CG	-0.3316
Gm15	15224156	15224282 Gmdrm	hypo	CG	-0.9017
Gm15	15224427	15224664 Gmdrm	hypo	CG	-0.8657
Gm15	15233798	15234026 Gmdrm	hypo	CG	-0.1733
Gm15	15234418	15234598 Gmdrm	hypo	CG	-0.182
Gm15	15274008	15274282 Gmdrm	hypo	CG	-0.4633
Gm15	15291476	15291543 Gmdrm	hypo	CG	-0.815
Gm15	15292289	15292380 Gmdrm	hypo	CG	-0.706
Gm15	15292667	15292871 Gmdrm	hypo	CG	-0.9537
Gm15	15293280	15293425 Gmdrm	hypo	CG	-0.8825
Gm15	15296277	15296399 Gmdrm	hypo	CG	-0.5583
Gm15	15296509	15296688 Gmdrm	hypo	CG	-0.2427
Gm15	15326178	15326223 Gmdrm	hypo	CG	-0.4584
Gm15	15373154	15373206 Gmdrm	hypo	CG	-0.061
Gm15	15374461	15374547 Gmdrm	hypo	CG	-0.467
Gm15	15376940	15377205 Gmdrm	hypo	CG	-0.8023
Gm15	15378897	15379094 Gmdrm	hypo	CG	-0.8364
Gm15	15386463	15386758 Gmdrm	hypo	CG	-0.3155
Gm15	15416851	15417064 Gmdrm	hypo	CG	-0.0712
Gm15	15431446	15431493 Gmdrm	hypo	CG	-0.1686
Gm15	15472303	15472478 Gmdrm	hypo	CG	-0.2822
Gm15	15472661	15473017 Gmdrm	hypo	CG	-0.4923
Gm15	15483146	15483442 Gmdrm	hypo	CG	-0.7296
Gm15	15495944	15495992 Gmdrm	hypo	CG	-0.975
Gm15	15533195	15533403 Gmdrm	hypo	CG	-0.6614
Gm15	15534052	15534155 Gmdrm	hypo	CG	-0.3825
Gm15	15557749	15558274 Gmdrm	hypo	CG	-0.0332
Gm15	15563304	15563345 Gmdrm	hypo	CG	-0.3433
Gm15	15565789	15566078 Gmdrm	hypo	CG	-0.2729
Gm15	15584628	15584755 Gmdrm	hypo	CG	-0.032
Gm15	15588280	15588304 Gmdrm	hypo	CG	-0.4717
Gm15	15595008	15595210 Gmdrm	hypo	CG	-0.9
Gm15	15595375	15595798 Gmdrm	hypo	CG	-0.5789
Gm15	15604194	15604217 Gmdrm	hypo	CG	-0.0667
Gm15	15616326	15616396 Gmdrm	hypo	CG	-0.8417

Gm15	15631839	15631971	Gmdrm	hypo	CG	-0.6812
Gm15	15650818	15650981	Gmdrm	hypo	CG	-0.6045
Gm15	15651812	15651992	Gmdrm	hypo	CG	-0.0794
Gm15	15652500	15652768	Gmdrm	hypo	CG	-0.6086
Gm15	15654868	15654966	Gmdrm	hypo	CG	-0.1667
Gm15	15661314	15661769	Gmdrm	hypo	CG	-0.0593
Gm15	15708254	15708311	Gmdrm	hypo	CG	-0.546
Gm15	15757992	15758230	Gmdrm	hypo	CG	-0.569
Gm15	15775242	15775371	Gmdrm	hypo	CG	-0.8564
Gm15	15778099	15778175	Gmdrm	hypo	CG	-0.76
Gm15	15788032	15788207	Gmdrm	hypo	CG	-0.416
Gm15	15799136	15799554	Gmdrm	hypo	CG	-0.4869
Gm15	15805820	15805958	Gmdrm	hypo	CG	-0.9325
Gm15	15806717	15806977	Gmdrm	hypo	CG	-0.1233
Gm15	15810761	15811115	Gmdrm	hypo	CG	-0.289
Gm15	15813995	15814121	Gmdrm	hypo	CG	-0.785
Gm15	15820524	15820881	Gmdrm	hypo	CG	-0.8672
Gm15	15821583	15821668	Gmdrm	hypo	CG	-0.7233
Gm15	15821952	15822260	Gmdrm	hypo	CG	-0.8591
Gm15	15832243	15832324	Gmdrm	hypo	CG	-0.2233
Gm15	15832459	15832566	Gmdrm	hypo	CG	-0.7917
Gm15	15848689	15848725	Gmdrm	hypo	CG	-0.712
Gm15	15852539	15852704	Gmdrm	hypo	CG	-0.494
Gm15	15867272	15867364	Gmdrm	hypo	CG	-0.5717
Gm15	15869890	15870054	Gmdrm	hypo	CG	-0.555
Gm15	15890349	15890524	Gmdrm	hypo	CG	-0.8625
Gm15	15892764	15892880	Gmdrm	hypo	CG	-0.3917
Gm15	15893688	15893883	Gmdrm	hypo	CG	-0.78
Gm15	15895295	15895404	Gmdrm	hypo	CG	-0.085
Gm15	15898504	15898890	Gmdrm	hypo	CG	-0.377
Gm15	15958075	15958329	Gmdrm	hypo	CG	-0.1276
Gm15	15964160	15964247	Gmdrm	hypo	CG	-0.8133
Gm15	15964986	15965081	Gmdrm	hypo	CG	-0.3325
Gm15	15965843	15965983	Gmdrm	hypo	CG	-0.6642
Gm15	15974610	15974630	Gmdrm	hypo	CG	-0.0516
Gm15	15992585	15992650	Gmdrm	hypo	CG	-0.085
Gm15	15994264	15994331	Gmdrm	hypo	CG	-0.09
Gm15	16000645	16001056	Gmdrm	hypo	CG	-0.5884
Gm15	16035915	16036015	Gmdrm	hypo	CG	-0.0486
Gm15	16036803	16036981	Gmdrm	hypo	CG	-0.6689
Gm15	16084638	16084779	Gmdrm	hypo	CG	-0.5434
Gm15	16086479	16086906	Gmdrm	hypo	CG	-0.0829
Gm15	16091426	16091569	Gmdrm	hypo	CG	-0.6433
Gm15	16114930	16115912	Gmdrm	hypo	CG	-0.0421
Gm15	16120418	16120518	Gmdrm	hypo	CG	-0.5163
Gm15	16238450	16238648	Gmdrm	hypo	CG	-0.056

Gm15	16270140	16270576	Gmdrm	hypo	CG	-0.05
Gm15	16314872	16314969	Gmdrm	hypo	CG	-0.535
Gm15	16319988	16320313	Gmdrm	hypo	CG	-0.0608
Gm15	16462088	16462383	Gmdrm	hypo	CG	-0.0706
Gm15	16600479	16600584	Gmdrm	hypo	CG	-0.9383
Gm15	16602516	16602748	Gmdrm	hypo	CG	-0.7237
Gm15	16603590	16603758	Gmdrm	hypo	CG	-0.37
Gm15	16640576	16640749	Gmdrm	hypo	CG	-0.8768
Gm15	16645785	16646014	Gmdrm	hypo	CG	-0.9493
Gm15	16648725	16648865	Gmdrm	hypo	CG	-0.343
Gm15	16649054	16649143	Gmdrm	hypo	CG	-0.49
Gm15	16658370	16658512	Gmdrm	hypo	CG	-0.3865
Gm15	16667865	16668129	Gmdrm	hypo	CG	-0.5313
Gm15	16671441	16671636	Gmdrm	hypo	CG	-0.1867
Gm15	16691398	16691562	Gmdrm	hypo	CG	-0.3027
Gm15	16738446	16738766	Gmdrm	hypo	CG	-0.0541
Gm15	16739201	16739291	Gmdrm	hypo	CG	-0.7483
Gm15	16776686	16776792	Gmdrm	hypo	CG	-0.5613
Gm15	16779583	16780074	Gmdrm	hypo	CG	-0.4312
Gm15	16808081	16808485	Gmdrm	hypo	CG	-0.7061
Gm15	16818235	16818625	Gmdrm	hypo	CG	-0.0566
Gm15	16839663	16839822	Gmdrm	hypo	CG	-0.41
Gm15	16845104	16845198	Gmdrm	hypo	CG	-0.6967
Gm15	16850859	16850967	Gmdrm	hypo	CG	-0.0478
Gm15	16864296	16864541	Gmdrm	hypo	CG	-0.3415
Gm15	16870615	16870893	Gmdrm	hypo	CG	-0.625
Gm15	16898915	16899080	Gmdrm	hypo	CG	-0.0607
Gm15	16903519	16903596	Gmdrm	hypo	CG	-0.0583
Gm15	16919815	16919896	Gmdrm	hypo	CG	-0.5175
Gm15	16950469	16950493	Gmdrm	hypo	CG	-0.0283
Gm15	16951334	16951509	Gmdrm	hypo	CG	-0.8312
Gm15	16976876	16977155	Gmdrm	hypo	CG	-0.3828
Gm15	16981571	16981740	Gmdrm	hypo	CG	-0.7828
Gm15	16985623	16985918	Gmdrm	hypo	CG	-0.4219
Gm15	16986113	16986411	Gmdrm	hypo	CG	-0.63
Gm15	17010380	17010567	Gmdrm	hypo	CG	-0.9029
Gm15	17051331	17051431	Gmdrm	hypo	CG	-0.772
Gm15	17074457	17074685	Gmdrm	hypo	CG	-0.2379
Gm15	17075394	17075477	Gmdrm	hypo	CG	-0.4162
Gm15	17085205	17085839	Gmdrm	hypo	CG	-0.0587
Gm15	17089531	17089869	Gmdrm	hypo	CG	-0.0487
Gm15	17126028	17126178	Gmdrm	hypo	CG	-0.2088
Gm15	17129821	17129864	Gmdrm	hypo	CG	-0.2312
Gm15	17130304	17130552	Gmdrm	hypo	CG	-0.656
Gm15	17141759	17141918	Gmdrm	hypo	CG	-0.078
Gm15	17194280	17194585	Gmdrm	hypo	CG	-0.3281

Gm15	17202596	17202674	Gmdrm	hypo	CG	-0.4675
Gm15	17203141	17203166	Gmdrm	hypo	CG	-0.93
Gm15	17255637	17255802	Gmdrm	hypo	CG	-0.295
Gm15	17262995	17263136	Gmdrm	hypo	CG	-0.515
Gm15	17267966	17268003	Gmdrm	hypo	CG	-0.78
Gm15	17269064	17269233	Gmdrm	hypo	CG	-0.0875
Gm15	17288403	17288459	Gmdrm	hypo	CG	-0.8733
Gm15	17289489	17289663	Gmdrm	hypo	CG	-0.937
Gm15	17293173	17294128	Gmdrm	hypo	CG	-0.094
Gm15	17296898	17297261	Gmdrm	hypo	CG	-0.8936
Gm15	17297698	17297892	Gmdrm	hypo	CG	-0.0908
Gm15	17298464	17298593	Gmdrm	hypo	CG	-0.1058
Gm15	17315131	17315420	Gmdrm	hypo	CG	-0.8386
Gm15	17316552	17317002	Gmdrm	hypo	CG	-0.3954
Gm15	17329515	17329821	Gmdrm	hypo	CG	-0.505
Gm15	17335990	17336061	Gmdrm	hypo	CG	-0.605
Gm15	17359151	17359529	Gmdrm	hypo	CG	-0.105
Gm15	17361116	17361652	Gmdrm	hypo	CG	-0.0137
Gm15	17425776	17425863	Gmdrm	hypo	CG	-0.06
Gm15	17472509	17472714	Gmdrm	hypo	CG	-0.51
Gm15	17541468	17541777	Gmdrm	hypo	CG	-0.05
Gm15	17542333	17542452	Gmdrm	hypo	CG	-0.9425
Gm15	17569221	17569543	Gmdrm	hypo	CG	-0.525
Gm15	17574049	17574545	Gmdrm	hypo	CG	-0.0468
Gm15	17577735	17577934	Gmdrm	hypo	CG	-0.355
Gm15	17578067	17578258	Gmdrm	hypo	CG	-0.1067
Gm15	17579694	17579865	Gmdrm	hypo	CG	-0.5615
Gm15	17584433	17584608	Gmdrm	hypo	CG	-0.0483
Gm15	17590194	17590442	Gmdrm	hypo	CG	-0.5269
Gm15	17620686	17620899	Gmdrm	hypo	CG	-0.0555
Gm15	17664734	17664905	Gmdrm	hypo	CG	-0.15
Gm15	17704189	17704332	Gmdrm	hypo	CG	-0.341
Gm15	17737271	17737549	Gmdrm	hypo	CG	-0.6789
Gm15	17751868	17751960	Gmdrm	hypo	CG	-0.1139
Gm15	17756753	17757458	Gmdrm	hypo	CG	-0.0725
Gm15	17789537	17789901	Gmdrm	hypo	CG	-0.4131
Gm15	17795140	17795242	Gmdrm	hypo	CG	-0.6425
Gm15	17799144	17799266	Gmdrm	hypo	CG	-0.3467
Gm15	17809794	17809850	Gmdrm	hypo	CG	-0.5984
Gm15	17826954	17827078	Gmdrm	hypo	CG	-0.4366
Gm15	17856449	17856493	Gmdrm	hypo	CG	-0.134
Gm15	17917963	17918155	Gmdrm	hypo	CG	-0.2536
Gm15	17918863	17919196	Gmdrm	hypo	CG	-0.1283
Gm15	17937950	17938194	Gmdrm	hypo	CG	-0.1221
Gm15	17938377	17938457	Gmdrm	hypo	CG	-0.2675
Gm15	17951620	17951686	Gmdrm	hypo	CG	-0.64

Gm15	17967493	17967678	Gmdrm	hypo	CG	-0.6036
Gm15	17977176	17977231	Gmdrm	hypo	CG	-0.0963
Gm15	18045462	18045586	Gmdrm	hypo	CG	-0.13
Gm15	18048100	18048249	Gmdrm	hypo	CG	-0.9553
Gm15	18051015	18051439	Gmdrm	hypo	CG	-0.0725
Gm15	18080514	18080537	Gmdrm	hypo	CG	-0.075
Gm15	18219498	18219640	Gmdrm	hypo	CG	-0.2912
Gm15	18324718	18324933	Gmdrm	hypo	CG	-0.4562
Gm15	18338203	18338428	Gmdrm	hypo	CG	-0.6555
Gm15	18342690	18342737	Gmdrm	hypo	CG	-0.845
Gm15	18352991	18353090	Gmdrm	hypo	CG	-0.1214
Gm15	18384758	18384925	Gmdrm	hypo	CG	-0.6811
Gm15	18434550	18434964	Gmdrm	hypo	CG	-0.0282
Gm15	18443268	18443396	Gmdrm	hypo	CG	-0.5971
Gm15	18443537	18443762	Gmdrm	hypo	CG	-0.6143
Gm15	18481889	18482012	Gmdrm	hypo	CG	-0.7089
Gm15	18510226	18510329	Gmdrm	hypo	CG	-0.4488
Gm15	18584418	18584633	Gmdrm	hypo	CG	-0.0421
Gm15	18587485	18587735	Gmdrm	hypo	CG	-0.046
Gm15	18672149	18672286	Gmdrm	hypo	CG	-0.3456
Gm15	18672546	18672704	Gmdrm	hypo	CG	-0.0921
Gm15	18676872	18676971	Gmdrm	hypo	CG	-0.5118
Gm15	18677073	18677335	Gmdrm	hypo	CG	-0.6444
Gm15	18682176	18682370	Gmdrm	hypo	CG	-0.036
Gm15	18707495	18708380	Gmdrm	hypo	CG	-0.0409
Gm15	18725895	18726152	Gmdrm	hypo	CG	-0.0515
Gm15	18750155	18750181	Gmdrm	hypo	CG	-0.097
Gm15	18793722	18794022	Gmdrm	hypo	CG	-0.0614
Gm15	18925597	18925625	Gmdrm	hypo	CG	-0.095
Gm15	18981341	18981444	Gmdrm	hypo	CG	-0.0467
Gm15	18984165	18984639	Gmdrm	hypo	CG	-0.0277
Gm15	18990230	18990354	Gmdrm	hypo	CG	-0.06
Gm15	19017409	19017749	Gmdrm	hypo	CG	-0.0892
Gm15	19050867	19051039	Gmdrm	hypo	CG	-0.074
Gm15	19068358	19068496	Gmdrm	hypo	CG	-0.048
Gm15	19090221	19090319	Gmdrm	hypo	CG	-0.6025
Gm15	19124750	19124942	Gmdrm	hypo	CG	-0.7215
Gm15	19207541	19207890	Gmdrm	hypo	CG	-0.1553
Gm15	19263933	19264056	Gmdrm	hypo	CG	-0.0513
Gm15	19323783	19324752	Gmdrm	hypo	CG	-0.0398
Gm15	19381039	19381106	Gmdrm	hypo	CG	-0.07
Gm15	19385664	19385838	Gmdrm	hypo	CG	-0.19
Gm15	19422131	19422300	Gmdrm	hypo	CG	-0.0725
Gm15	19492293	19492470	Gmdrm	hypo	CG	-0.52
Gm15	19503096	19503217	Gmdrm	hypo	CG	-0.5275
Gm15	19508349	19508596	Gmdrm	hypo	CG	-0.0571

Gm15	19536676	19536779	Gmdrm	hypo	CG	-0.839
Gm15	19543239	19543368	Gmdrm	hypo	CG	-0.5674
Gm15	19554979	19555038	Gmdrm	hypo	CG	-0.0817
Gm15	19556632	19556851	Gmdrm	hypo	CG	-0.0286
Gm15	20472825	20473019	Gmdrm	hypo	CG	-0.0613
Gm15	20486177	20486196	Gmdrm	hypo	CG	-0.64
Gm15	20486302	20486731	Gmdrm	hypo	CG	-0.4845
Gm15	20488157	20488365	Gmdrm	hypo	CG	-0.5828
Gm15	20490542	20490587	Gmdrm	hypo	CG	-0.0683
Gm15	20491386	20491854	Gmdrm	hypo	CG	-0.0696
Gm15	20523286	20523413	Gmdrm	hypo	CG	-0.735
Gm15	20526693	20526749	Gmdrm	hypo	CG	-0.1125
Gm15	20541311	20541596	Gmdrm	hypo	CG	-0.4477
Gm15	20564663	20564911	Gmdrm	hypo	CG	-0.3007
Gm15	20570268	20570447	Gmdrm	hypo	CG	-0.505
Gm15	20593269	20593470	Gmdrm	hypo	CG	-0.8425
Gm15	20639790	20639953	Gmdrm	hypo	CG	-0.7938
Gm15	20643244	20643354	Gmdrm	hypo	CG	-0.65
Gm15	20815404	20815661	Gmdrm	hypo	CG	-0.0544
Gm15	20836415	20836474	Gmdrm	hypo	CG	-0.4692
Gm15	20845061	20845239	Gmdrm	hypo	CG	-0.9289
Gm15	20887717	20888058	Gmdrm	hypo	CG	-0.1881
Gm15	20890928	20891032	Gmdrm	hypo	CG	-0.106
Gm15	20891163	20891302	Gmdrm	hypo	CG	-0.7522
Gm15	20901759	20902029	Gmdrm	hypo	CG	-0.17
Gm15	20916027	20916303	Gmdrm	hypo	CG	-0.273
Gm15	20919736	20919985	Gmdrm	hypo	CG	-0.5687
Gm15	20981609	20981652	Gmdrm	hypo	CG	-0.1363
Gm15	20984617	20984636	Gmdrm	hypo	CG	-0.46
Gm15	21003973	21004158	Gmdrm	hypo	CG	-0.0342
Gm15	21033195	21033323	Gmdrm	hypo	CG	-0.1233
Gm15	21043569	21043651	Gmdrm	hypo	CG	-0.065
Gm15	21074629	21074883	Gmdrm	hypo	CG	-0.0923
Gm15	21103334	21103440	Gmdrm	hypo	CG	-0.04
Gm15	21105108	21105175	Gmdrm	hypo	CG	-0.23
Gm15	21108240	21108500	Gmdrm	hypo	CG	-0.202
Gm15	21108604	21108786	Gmdrm	hypo	CG	-0.138
Gm15	21108972	21109176	Gmdrm	hypo	CG	-0.2136
Gm15	21111969	21112009	Gmdrm	hypo	CG	-0.058
Gm15	21112470	21112674	Gmdrm	hypo	CG	-0.5725
Gm15	21112785	21113073	Gmdrm	hypo	CG	-0.0615
Gm15	21113309	21113388	Gmdrm	hypo	CG	-0.4862
Gm15	21113573	21113754	Gmdrm	hypo	CG	-0.7512
Gm15	21119844	21120014	Gmdrm	hypo	CG	-0.9409
Gm15	21121785	21121905	Gmdrm	hypo	CG	-0.4785
Gm15	21132000	21132508	Gmdrm	hypo	CG	-0.0326

Gm15	21140453	21140718	Gmdrm	hypo	CG	-0.1944
Gm15	21140821	21140937	Gmdrm	hypo	CG	-0.686
Gm15	21185327	21185698	Gmdrm	hypo	CG	-0.5238
Gm15	21190828	21190944	Gmdrm	hypo	CG	-0.883
Gm15	21191304	21191419	Gmdrm	hypo	CG	-0.0525
Gm15	21200785	21200978	Gmdrm	hypo	CG	-0.0366
Gm15	21246043	21246958	Gmdrm	hypo	CG	-0.0325
Gm15	21249207	21249291	Gmdrm	hypo	CG	-0.655
Gm15	21268827	21268854	Gmdrm	hypo	CG	-0.0917
Gm15	21325454	21325584	Gmdrm	hypo	CG	-0.066
Gm15	21332558	21332993	Gmdrm	hypo	CG	-0.5987
Gm15	21356731	21356924	Gmdrm	hypo	CG	-0.058
Gm15	21391540	21391628	Gmdrm	hypo	CG	-0.8666
Gm15	21392014	21392111	Gmdrm	hypo	CG	-0.6733
Gm15	21399558	21399951	Gmdrm	hypo	CG	-0.0754
Gm15	21446289	21446626	Gmdrm	hypo	CG	-0.4681
Gm15	21448726	21448791	Gmdrm	hypo	CG	-0.788
Gm15	21451884	21451986	Gmdrm	hypo	CG	-0.06
Gm15	21469408	21469450	Gmdrm	hypo	CG	-0.16
Gm15	21472898	21473087	Gmdrm	hypo	CG	-0.5117
Gm15	21479167	21479312	Gmdrm	hypo	CG	-0.0713
Gm15	21504876	21505054	Gmdrm	hypo	CG	-0.7508
Gm15	21557052	21557071	Gmdrm	hypo	CG	-0.135
Gm15	21585817	21585976	Gmdrm	hypo	CG	-0.042
Gm15	21597438	21597597	Gmdrm	hypo	CG	-0.5267
Gm15	21630534	21630664	Gmdrm	hypo	CG	-0.0817
Gm15	21646189	21646288	Gmdrm	hypo	CG	-0.5275
Gm15	21680208	21680378	Gmdrm	hypo	CG	-0.6411
Gm15	21694553	21694641	Gmdrm	hypo	CG	-0.6333
Gm15	21755806	21755988	Gmdrm	hypo	CG	-0.292
Gm15	21846792	21846929	Gmdrm	hypo	CG	-0.9483
Gm15	21863109	21863459	Gmdrm	hypo	CG	-0.0557
Gm15	21879807	21879858	Gmdrm	hypo	CG	-0.825
Gm15	21902725	21902925	Gmdrm	hypo	CG	-0.0416
Gm15	21935194	21935443	Gmdrm	hypo	CG	-0.1691
Gm15	22023215	22023380	Gmdrm	hypo	CG	-0.0396
Gm15	22082904	22083152	Gmdrm	hypo	CG	-0.0717
Gm15	22182947	22183124	Gmdrm	hypo	CG	-0.544
Gm15	22183486	22183602	Gmdrm	hypo	CG	-0.04
Gm15	22217320	22217505	Gmdrm	hypo	CG	-0.0383
Gm15	22258614	22258706	Gmdrm	hypo	CG	-0.204
Gm15	22259084	22259260	Gmdrm	hypo	CG	-0.682
Gm15	22334900	22335094	Gmdrm	hypo	CG	-0.46
Gm15	22335263	22335390	Gmdrm	hypo	CG	-0.365
Gm15	22433131	22433918	Gmdrm	hypo	CG	-0.0263
Gm15	22444409	22444581	Gmdrm	hypo	CG	-0.06

Gm15	22449833	22450594	Gmdrm	hypo	CG	-0.0334
Gm15	22473915	22474212	Gmdrm	hypo	CG	-0.0272
Gm15	22566040	22566266	Gmdrm	hypo	CG	-0.0428
Gm15	22616187	22616502	Gmdrm	hypo	CG	-0.0925
Gm15	22616946	22617105	Gmdrm	hypo	CG	-0.6767
Gm15	22624161	22624277	Gmdrm	hypo	CG	-0.0967
Gm15	22636152	22636412	Gmdrm	hypo	CG	-0.0425
Gm15	22754973	22755436	Gmdrm	hypo	CG	-0.2112
Gm15	22788934	22789060	Gmdrm	hypo	CG	-0.3067
Gm15	22789350	22789476	Gmdrm	hypo	CG	-0.1833
Gm15	22810739	22811166	Gmdrm	hypo	CG	-0.0565
Gm15	22835386	22835593	Gmdrm	hypo	CG	-0.07
Gm15	22855702	22856088	Gmdrm	hypo	CG	-0.031
Gm15	22911590	22912080	Gmdrm	hypo	CG	-0.0448
Gm15	22925403	22925523	Gmdrm	hypo	CG	-0.646
Gm15	22963142	22963219	Gmdrm	hypo	CG	-0.1033
Gm15	22991984	22992097	Gmdrm	hypo	CG	-0.0987
Gm15	23016693	23016753	Gmdrm	hypo	CG	-0.5433
Gm15	23033019	23033066	Gmdrm	hypo	CG	-0.0916
Gm15	23041520	23041573	Gmdrm	hypo	CG	-0.4917
Gm15	23054350	23054883	Gmdrm	hypo	CG	-0.0268
Gm15	23070591	23070710	Gmdrm	hypo	CG	-0.7833
Gm15	23133680	23133851	Gmdrm	hypo	CG	-0.954
Gm15	23134160	23134359	Gmdrm	hypo	CG	-0.6312
Gm15	23154075	23154282	Gmdrm	hypo	CG	-0.1633
Gm15	23215010	23215322	Gmdrm	hypo	CG	-0.066
Gm15	23240639	23240794	Gmdrm	hypo	CG	-0.2316
Gm15	23241491	23241700	Gmdrm	hypo	CG	-0.5858
Gm15	23255488	23255608	Gmdrm	hypo	CG	-0.4749
Gm15	23287080	23287184	Gmdrm	hypo	CG	-0.1629
Gm15	23290519	23290676	Gmdrm	hypo	CG	-0.1067
Gm15	23303039	23303265	Gmdrm	hypo	CG	-0.7191
Gm15	23311948	23312120	Gmdrm	hypo	CG	-0.0425
Gm15	23315172	23315682	Gmdrm	hypo	CG	-0.0488
Gm15	23352061	23352189	Gmdrm	hypo	CG	-0.0662
Gm15	23356773	23356847	Gmdrm	hypo	CG	-0.664
Gm15	23363234	23363380	Gmdrm	hypo	CG	-0.9717
Gm15	23379991	23380205	Gmdrm	hypo	CG	-0.2607
Gm15	23477410	23477511	Gmdrm	hypo	CG	-0.61
Gm15	23515592	23515667	Gmdrm	hypo	CG	-0.54
Gm15	23523825	23523971	Gmdrm	hypo	CG	-0.9825
Gm15	23529998	23530239	Gmdrm	hypo	CG	-0.371
Gm15	23533827	23534060	Gmdrm	hypo	CG	-0.5507
Gm15	23540515	23540936	Gmdrm	hypo	CG	-0.361
Gm15	23541134	23541250	Gmdrm	hypo	CG	-0.6867
Gm15	23614874	23615625	Gmdrm	hypo	CG	-0.5428

Gm15	23635571	23635829	Gmdrm	hypo	CG	-0.69
Gm15	23639338	23639542	Gmdrm	hypo	CG	-0.5428
Gm15	23651080	23651288	Gmdrm	hypo	CG	-0.42
Gm15	23694258	23694557	Gmdrm	hypo	CG	-0.0423
Gm15	23782187	23782289	Gmdrm	hypo	CG	-0.4118
Gm15	23784018	23784146	Gmdrm	hypo	CG	-0.0333
Gm15	23789964	23789983	Gmdrm	hypo	CG	-0.6783
Gm15	23805083	23805278	Gmdrm	hypo	CG	-0.78
Gm15	23821563	23821745	Gmdrm	hypo	CG	-0.123
Gm15	23822073	23822210	Gmdrm	hypo	CG	-0.33
Gm15	23849581	23850040	Gmdrm	hypo	CG	-0.0466
Gm15	23850583	23850820	Gmdrm	hypo	CG	-0.2193
Gm15	23916897	23917169	Gmdrm	hypo	CG	-0.5708
Gm15	23918148	23918173	Gmdrm	hypo	CG	-0.25
Gm15	23948651	23949272	Gmdrm	hypo	CG	-0.1261
Gm15	23994423	23994723	Gmdrm	hypo	CG	-0.1336
Gm15	24019064	24019452	Gmdrm	hypo	CG	-0.1646
Gm15	24021193	24021630	Gmdrm	hypo	CG	-0.3221
Gm15	24071185	24071466	Gmdrm	hypo	CG	-0.4553
Gm15	24072345	24072470	Gmdrm	hypo	CG	-0.962
Gm15	24103931	24104926	Gmdrm	hypo	CG	-0.0324
Gm15	24127726	24128106	Gmdrm	hypo	CG	-0.2508
Gm15	24149556	24149663	Gmdrm	hypo	CG	-0.4114
Gm15	24151453	24151501	Gmdrm	hypo	CG	-0.695
Gm15	24154363	24154408	Gmdrm	hypo	CG	-0.1829
Gm15	24184931	24185164	Gmdrm	hypo	CG	-0.0563
Gm15	24185894	24185990	Gmdrm	hypo	CG	-0.062
Gm15	24199914	24200097	Gmdrm	hypo	CG	-0.0517
Gm15	24209937	24210092	Gmdrm	hypo	CG	-0.0757
Gm15	24212233	24212398	Gmdrm	hypo	CG	-0.25
Gm15	24218103	24218192	Gmdrm	hypo	CG	-0.0663
Gm15	24341571	24341759	Gmdrm	hypo	CG	-0.14
Gm15	24345304	24345375	Gmdrm	hypo	CG	-0.075
Gm15	24418144	24418303	Gmdrm	hypo	CG	-0.0425
Gm15	24435348	24436343	Gmdrm	hypo	CG	-0.0315
Gm15	24456149	24456340	Gmdrm	hypo	CG	-0.0283
Gm15	24532604	24532715	Gmdrm	hypo	CG	-0.1333
Gm15	24534962	24535254	Gmdrm	hypo	CG	-0.0405
Gm15	24540146	24540212	Gmdrm	hypo	CG	-0.1057
Gm15	24574692	24575095	Gmdrm	hypo	CG	-0.0497
Gm15	24614022	24614033	Gmdrm	hypo	CG	-0.22
Gm15	24626378	24626594	Gmdrm	hypo	CG	-0.0512
Gm15	24685108	24685594	Gmdrm	hypo	CG	-0.056
Gm15	24686047	24686260	Gmdrm	hypo	CG	-0.0425
Gm15	24699544	24699813	Gmdrm	hypo	CG	-0.0696
Gm15	24750635	24751551	Gmdrm	hypo	CG	-0.0226

Gm15	24764220	24764340	Gmdrm	hypo	CG	-0.13
Gm15	24781771	24782145	Gmdrm	hypo	CG	-0.1341
Gm15	24783275	24783589	Gmdrm	hypo	CG	-0.5717
Gm15	24884806	24885082	Gmdrm	hypo	CG	-0.7292
Gm15	24914788	24915161	Gmdrm	hypo	CG	-0.0825
Gm15	24930393	24930461	Gmdrm	hypo	CG	-0.28
Gm15	24934960	24934985	Gmdrm	hypo	CG	-0.8784
Gm15	24935308	24935524	Gmdrm	hypo	CG	-0.418
Gm15	24938726	24939127	Gmdrm	hypo	CG	-0.0552
Gm15	24991919	24992044	Gmdrm	hypo	CG	-0.345
Gm15	25020955	25021490	Gmdrm	hypo	CG	-0.0294
Gm15	25022896	25022983	Gmdrm	hypo	CG	-0.1917
Gm15	25084201	25084793	Gmdrm	hypo	CG	-0.2482
Gm15	25087543	25087667	Gmdrm	hypo	CG	-0.1016
Gm15	25093029	25093080	Gmdrm	hypo	CG	-0.4776
Gm15	25136158	25136259	Gmdrm	hypo	CG	-0.122
Gm15	25159491	25159709	Gmdrm	hypo	CG	-0.0662
Gm15	25164170	25164689	Gmdrm	hypo	CG	-0.0268
Gm15	25268007	25268196	Gmdrm	hypo	CG	-0.2062
Gm15	25269628	25269724	Gmdrm	hypo	CG	-0.7617
Gm15	25291584	25291783	Gmdrm	hypo	CG	-0.58
Gm15	25295088	25295196	Gmdrm	hypo	CG	-0.904
Gm15	25357768	25357944	Gmdrm	hypo	CG	-0.14
Gm15	25358047	25358100	Gmdrm	hypo	CG	-0.5317
Gm15	25358392	25358415	Gmdrm	hypo	CG	-0.4767
Gm15	25369127	25369267	Gmdrm	hypo	CG	-0.1793
Gm15	25370417	25370609	Gmdrm	hypo	CG	-0.0288
Gm15	25421835	25422227	Gmdrm	hypo	CG	-0.4713
Gm15	25422424	25422515	Gmdrm	hypo	CG	-0.9217
Gm15	25422898	25422990	Gmdrm	hypo	CG	-0.43
Gm15	25466100	25466151	Gmdrm	hypo	CG	-0.14
Gm15	25491130	25491592	Gmdrm	hypo	CG	-0.1293
Gm15	25568685	25568747	Gmdrm	hypo	CG	-0.3434
Gm15	25569792	25569921	Gmdrm	hypo	CG	-0.34
Gm15	25585116	25585514	Gmdrm	hypo	CG	-0.0741
Gm15	25592449	25592962	Gmdrm	hypo	CG	-0.1786
Gm15	25653039	25653224	Gmdrm	hypo	CG	-0.0946
Gm15	25674276	25674684	Gmdrm	hypo	CG	-0.0403
Gm15	25767034	25767125	Gmdrm	hypo	CG	-0.0734
Gm15	25769699	25770425	Gmdrm	hypo	CG	-0.0438
Gm15	25773098	25774077	Gmdrm	hypo	CG	-0.035
Gm15	25793613	25794282	Gmdrm	hypo	CG	-0.055
Gm15	25933139	25933635	Gmdrm	hypo	CG	-0.0396
Gm15	25967983	25968210	Gmdrm	hypo	CG	-0.065
Gm15	26021488	26022417	Gmdrm	hypo	CG	-0.0389
Gm15	26137363	26137604	Gmdrm	hypo	CG	-0.0812

Gm15	26143720	26143863	Gmdrm	hypo	CG	-0.0838
Gm15	26289604	26289733	Gmdrm	hypo	CG	-0.7009
Gm15	26356626	26356679	Gmdrm	hypo	CG	-0.205
Gm15	26372766	26372842	Gmdrm	hypo	CG	-0.07
Gm15	26420031	26420255	Gmdrm	hypo	CG	-0.4883
Gm15	26421111	26421407	Gmdrm	hypo	CG	-0.0338
Gm15	26421640	26421841	Gmdrm	hypo	CG	-0.948
Gm15	26423394	26423540	Gmdrm	hypo	CG	-0.6775
Gm15	26464512	26464870	Gmdrm	hypo	CG	-0.0439
Gm15	26518847	26518995	Gmdrm	hypo	CG	-0.5475
Gm15	26525689	26525765	Gmdrm	hypo	CG	-0.9433
Gm15	26543385	26543537	Gmdrm	hypo	CG	-0.8688
Gm15	26572353	26572666	Gmdrm	hypo	CG	-0.435
Gm15	26573409	26573650	Gmdrm	hypo	CG	-0.0425
Gm15	26613949	26614109	Gmdrm	hypo	CG	-0.0594
Gm15	26730890	26731340	Gmdrm	hypo	CG	-0.4877
Gm15	26731687	26731818	Gmdrm	hypo	CG	-0.4212
Gm15	26804166	26804367	Gmdrm	hypo	CG	-0.1835
Gm15	26841682	26841739	Gmdrm	hypo	CG	-0.058
Gm15	26976943	26977247	Gmdrm	hypo	CG	-0.0654
Gm15	27056378	27056796	Gmdrm	hypo	CG	-0.0969
Gm15	27090499	27090609	Gmdrm	hypo	CG	-0.0912
Gm15	27101863	27101950	Gmdrm	hypo	CG	-0.0557
Gm15	27177830	27177886	Gmdrm	hypo	CG	-0.058
Gm15	27181813	27181847	Gmdrm	hypo	CG	-0.0767
Gm15	27182899	27183270	Gmdrm	hypo	CG	-0.1115
Gm15	27242028	27242960	Gmdrm	hypo	CG	-0.0348
Gm15	27246225	27246504	Gmdrm	hypo	CG	-0.0619
Gm15	27264639	27265095	Gmdrm	hypo	CG	-0.0592
Gm15	27291156	27291478	Gmdrm	hypo	CG	-0.0867
Gm15	27366166	27366281	Gmdrm	hypo	CG	-0.6271
Gm15	27398551	27398789	Gmdrm	hypo	CG	-0.0846
Gm15	27523980	27524203	Gmdrm	hypo	CG	-0.1282
Gm15	27554157	27554360	Gmdrm	hypo	CG	-0.0692
Gm15	27640955	27640986	Gmdrm	hypo	CG	-0.2
Gm15	27655293	27655576	Gmdrm	hypo	CG	-0.0625
Gm15	27663225	27663601	Gmdrm	hypo	CG	-0.064
Gm15	27815158	27815200	Gmdrm	hypo	CG	-0.0967
Gm15	27884675	27885019	Gmdrm	hypo	CG	-0.0707
Gm15	27999001	27999158	Gmdrm	hypo	CG	-0.0808
Gm15	28054610	28054826	Gmdrm	hypo	CG	-0.04
Gm15	28057944	28057952	Gmdrm	hypo	CG	-0.1333
Gm15	28060757	28061312	Gmdrm	hypo	CG	-0.0403
Gm15	28205705	28205758	Gmdrm	hypo	CG	-0.712
Gm15	28227974	28228326	Gmdrm	hypo	CG	-0.0441
Gm15	28339778	28339878	Gmdrm	hypo	CG	-0.5883

Gm15	28340407	28340481	Gmdrm	hypo	CG	-0.7675
Gm15	28351333	28351844	Gmdrm	hypo	CG	-0.0622
Gm15	28455732	28456050	Gmdrm	hypo	CG	-0.0625
Gm15	28483882	28484149	Gmdrm	hypo	CG	-0.0894
Gm15	28544910	28545039	Gmdrm	hypo	CG	-0.155
Gm15	28557561	28558036	Gmdrm	hypo	CG	-0.088
Gm15	28562253	28562389	Gmdrm	hypo	CG	-0.87
Gm15	28592748	28592886	Gmdrm	hypo	CG	-0.0467
Gm15	28640642	28640784	Gmdrm	hypo	CG	-0.1587
Gm15	28641823	28642120	Gmdrm	hypo	CG	-0.0353
Gm15	28724236	28724527	Gmdrm	hypo	CG	-0.0679
Gm15	28748127	28748246	Gmdrm	hypo	CG	-0.95
Gm15	28752820	28752909	Gmdrm	hypo	CG	-0.682
Gm15	28756384	28756530	Gmdrm	hypo	CG	-0.3167
Gm15	28756853	28756919	Gmdrm	hypo	CG	-0.11
Gm15	28757622	28757899	Gmdrm	hypo	CG	-0.3061
Gm15	28762070	28762269	Gmdrm	hypo	CG	-0.0529
Gm15	28895324	28895400	Gmdrm	hypo	CG	-0.1471
Gm15	28999361	28999445	Gmdrm	hypo	CG	-0.0617
Gm15	29003727	29003984	Gmdrm	hypo	CG	-0.0678
Gm15	29031816	29031885	Gmdrm	hypo	CG	-0.0549
Gm15	29042663	29043303	Gmdrm	hypo	CG	-0.05
Gm15	29262015	29262641	Gmdrm	hypo	CG	-0.0322
Gm15	29329978	29330480	Gmdrm	hypo	CG	-0.0439
Gm15	29350025	29350329	Gmdrm	hypo	CG	-0.0415
Gm15	29429632	29429739	Gmdrm	hypo	CG	-0.115
Gm15	29432145	29432233	Gmdrm	hypo	CG	-0.5124
Gm15	29432795	29432873	Gmdrm	hypo	CG	-0.082
Gm15	29435959	29436017	Gmdrm	hypo	CG	-0.024
Gm15	29504989	29505125	Gmdrm	hypo	CG	-0.0844
Gm15	29517140	29517365	Gmdrm	hypo	CG	-0.1025
Gm15	29558267	29558448	Gmdrm	hypo	CG	-0.0481
Gm15	30034033	30034378	Gmdrm	hypo	CG	-0.0247
Gm15	30088436	30088698	Gmdrm	hypo	CG	-0.0621
Gm15	30098310	30098531	Gmdrm	hypo	CG	-0.1018
Gm15	30099253	30099293	Gmdrm	hypo	CG	-0.0838
Gm15	30104263	30104968	Gmdrm	hypo	CG	-0.0427
Gm15	30191943	30192096	Gmdrm	hypo	CG	-0.0471
Gm15	30192830	30193228	Gmdrm	hypo	CG	-0.0476
Gm15	30210320	30210582	Gmdrm	hypo	CG	-0.091
Gm15	30298841	30299057	Gmdrm	hypo	CG	-0.132
Gm15	30406553	30407164	Gmdrm	hypo	CG	-0.0478
Gm15	30436839	30437755	Gmdrm	hypo	CG	-0.0312
Gm15	30490188	30490338	Gmdrm	hypo	CG	-0.0575
Gm15	30534373	30534824	Gmdrm	hypo	CG	-0.0563
Gm15	30627312	30627819	Gmdrm	hypo	CG	-0.0432

Gm15	30718555	30718658	Gmdrm	hypo	CG	-0.53
Gm15	30718870	30719011	Gmdrm	hypo	CG	-0.9314
Gm15	30722304	30722407	Gmdrm	hypo	CG	-0.082
Gm15	30726381	30726400	Gmdrm	hypo	CG	-0.168
Gm15	30846809	30847141	Gmdrm	hypo	CG	-0.03
Gm15	30907468	30907717	Gmdrm	hypo	CG	-0.0725
Gm15	30946944	30947113	Gmdrm	hypo	CG	-0.7589
Gm15	30950658	30951636	Gmdrm	hypo	CG	-0.0396
Gm15	30958774	30958858	Gmdrm	hypo	CG	-0.876
Gm15	30986850	30987479	Gmdrm	hypo	CG	-0.0547
Gm15	31037516	31037669	Gmdrm	hypo	CG	-0.0828
Gm15	31043760	31044066	Gmdrm	hypo	CG	-0.1222
Gm15	31077900	31078248	Gmdrm	hypo	CG	-0.063
Gm15	31122907	31123065	Gmdrm	hypo	CG	-0.1763
Gm15	31160844	31161052	Gmdrm	hypo	CG	-0.1237
Gm15	31164513	31164621	Gmdrm	hypo	CG	-0.75
Gm15	31172874	31172991	Gmdrm	hypo	CG	-0.666
Gm15	31173843	31174196	Gmdrm	hypo	CG	-0.7875
Gm15	31179423	31179566	Gmdrm	hypo	CG	-0.777
Gm15	31216153	31216205	Gmdrm	hypo	CG	-0.0483
Gm15	31226013	31226087	Gmdrm	hypo	CG	-0.0433
Gm15	31260892	31261249	Gmdrm	hypo	CG	-0.0515
Gm15	31328421	31329247	Gmdrm	hypo	CG	-0.0388
Gm15	31370575	31371555	Gmdrm	hypo	CG	-0.0345
Gm15	31396857	31396919	Gmdrm	hypo	CG	-0.056
Gm15	31510760	31510987	Gmdrm	hypo	CG	-0.1413
Gm15	31584489	31584536	Gmdrm	hypo	CG	-0.0925
Gm15	31609473	31610091	Gmdrm	hypo	CG	-0.0338
Gm15	31625169	31625417	Gmdrm	hypo	CG	-0.055
Gm15	31834438	31834659	Gmdrm	hypo	CG	-0.79
Gm15	31834787	31835175	Gmdrm	hypo	CG	-0.8255
Gm15	31898707	31898930	Gmdrm	hypo	CG	-0.0344
Gm15	31980562	31980850	Gmdrm	hypo	CG	-0.4329
Gm15	32059389	32059857	Gmdrm	hypo	CG	-0.0748
Gm15	32131006	32131092	Gmdrm	hypo	CG	-0.0833
Gm15	32259114	32259135	Gmdrm	hypo	CG	-0.2
Gm15	32270626	32271513	Gmdrm	hypo	CG	-0.0334
Gm15	32357767	32358586	Gmdrm	hypo	CG	-0.0315
Gm15	32380144	32380406	Gmdrm	hypo	CG	-0.179
Gm15	32387923	32388056	Gmdrm	hypo	CG	-0.468
Gm15	32526634	32527559	Gmdrm	hypo	CG	-0.0273
Gm15	32563412	32563661	Gmdrm	hypo	CG	-0.125
Gm15	32566852	32567068	Gmdrm	hypo	CG	-0.079
Gm15	32634354	32634598	Gmdrm	hypo	CG	-0.0694
Gm15	32655445	32655620	Gmdrm	hypo	CG	-0.0584
Gm15	32660854	32661008	Gmdrm	hypo	CG	-0.11

Gm15	32718223	32718258	Gmdrm	hypo	CG	-0.15
Gm15	32809011	32809193	Gmdrm	hypo	CG	-0.0731
Gm15	32836006	32836223	Gmdrm	hypo	CG	-0.0358
Gm15	32913741	32913799	Gmdrm	hypo	CG	-0.1967
Gm15	32933288	32933519	Gmdrm	hypo	CG	-0.0682
Gm15	32947950	32948018	Gmdrm	hypo	CG	-0.2
Gm15	32955744	32956144	Gmdrm	hypo	CG	-0.0583
Gm15	32998601	32998869	Gmdrm	hypo	CG	-0.0563
Gm15	33066607	33066691	Gmdrm	hypo	CG	-0.1233
Gm15	33067907	33068014	Gmdrm	hypo	CG	-0.7283
Gm15	33081207	33081348	Gmdrm	hypo	CG	-0.5867
Gm15	33086463	33086850	Gmdrm	hypo	CG	-0.0355
Gm15	33090336	33090636	Gmdrm	hypo	CG	-0.048
Gm15	33107733	33107849	Gmdrm	hypo	CG	-0.365
Gm15	33108329	33108482	Gmdrm	hypo	CG	-0.548
Gm15	33136175	33136292	Gmdrm	hypo	CG	-0.078
Gm15	33140741	33140808	Gmdrm	hypo	CG	-0.0633
Gm15	33154854	33154989	Gmdrm	hypo	CG	-0.5117
Gm15	33163066	33163121	Gmdrm	hypo	CG	-0.06
Gm15	33188722	33188903	Gmdrm	hypo	CG	-0.1642
Gm15	33189136	33189183	Gmdrm	hypo	CG	-0.5824
Gm15	33246151	33247138	Gmdrm	hypo	CG	-0.0463
Gm15	33271687	33271980	Gmdrm	hypo	CG	-0.0433
Gm15	33325930	33326067	Gmdrm	hypo	CG	-0.0663
Gm15	33356162	33356294	Gmdrm	hypo	CG	-0.09
Gm15	33358240	33358823	Gmdrm	hypo	CG	-0.0629
Gm15	33406313	33406523	Gmdrm	hypo	CG	-0.034
Gm15	33413493	33413643	Gmdrm	hypo	CG	-0.2883
Gm15	33419354	33419627	Gmdrm	hypo	CG	-0.1378
Gm15	33419729	33419859	Gmdrm	hypo	CG	-0.3433
Gm15	33426351	33426607	Gmdrm	hypo	CG	-0.0443
Gm15	33458662	33458981	Gmdrm	hypo	CG	-0.0507
Gm15	33486578	33487542	Gmdrm	hypo	CG	-0.0368
Gm15	33618860	33619024	Gmdrm	hypo	CG	-0.12
Gm15	33711382	33711676	Gmdrm	hypo	CG	-0.8464
Gm15	33756772	33756849	Gmdrm	hypo	CG	-0.7967
Gm15	33767524	33767575	Gmdrm	hypo	CG	-0.116
Gm15	33774055	33774143	Gmdrm	hypo	CG	-0.0466
Gm15	33819624	33820297	Gmdrm	hypo	CG	-0.0775
Gm15	33877752	33878126	Gmdrm	hypo	CG	-0.5707
Gm15	33897922	33898124	Gmdrm	hypo	CG	-0.2717
Gm15	33919196	33919348	Gmdrm	hypo	CG	-0.0811
Gm15	33966180	33966198	Gmdrm	hypo	CG	-0.0513
Gm15	33997823	33997913	Gmdrm	hypo	CG	-0.08
Gm15	34019375	34020251	Gmdrm	hypo	CG	-0.0323
Gm15	34026431	34026557	Gmdrm	hypo	CG	-0.9808

Gm15	34029184	34029338	Gmdrm	hypo	CG	-0.697
Gm15	34030733	34030828	Gmdrm	hypo	CG	-0.109
Gm15	34200358	34200483	Gmdrm	hypo	CG	-0.0407
Gm15	34222860	34222904	Gmdrm	hypo	CG	-0.2284
Gm15	34238646	34239303	Gmdrm	hypo	CG	-0.0694
Gm15	34287323	34287629	Gmdrm	hypo	CG	-0.8055
Gm15	34288066	34288229	Gmdrm	hypo	CG	-0.535
Gm15	34290238	34290377	Gmdrm	hypo	CG	-0.8375
Gm15	34290501	34290596	Gmdrm	hypo	CG	-0.826
Gm15	34291200	34291345	Gmdrm	hypo	CG	-0.1667
Gm15	34326082	34326183	Gmdrm	hypo	CG	-0.4275
Gm15	34405198	34405235	Gmdrm	hypo	CG	-0.075
Gm15	34459732	34459916	Gmdrm	hypo	CG	-0.125
Gm15	34472075	34472198	Gmdrm	hypo	CG	-0.4613
Gm15	34475610	34475672	Gmdrm	hypo	CG	-0.0714
Gm15	34523274	34523457	Gmdrm	hypo	CG	-0.0346
Gm15	34581129	34581377	Gmdrm	hypo	CG	-0.0329
Gm15	34627785	34627965	Gmdrm	hypo	CG	-0.056
Gm15	34703835	34703944	Gmdrm	hypo	CG	-0.1112
Gm15	34789437	34790094	Gmdrm	hypo	CG	-0.0325
Gm15	34815024	34815356	Gmdrm	hypo	CG	-0.0577
Gm15	34992837	34993166	Gmdrm	hypo	CG	-0.1646
Gm15	35001166	35001260	Gmdrm	hypo	CG	-0.74
Gm15	35190268	35190424	Gmdrm	hypo	CG	-0.112
Gm15	35285571	35286046	Gmdrm	hypo	CG	-0.0352
Gm15	35365253	35365664	Gmdrm	hypo	CG	-0.5793
Gm15	35526782	35527146	Gmdrm	hypo	CG	-0.0359
Gm15	35571072	35571767	Gmdrm	hypo	CG	-0.0343
Gm15	35601676	35601704	Gmdrm	hypo	CG	-0.062
Gm15	35624390	35624499	Gmdrm	hypo	CG	-0.044
Gm15	35631503	35631749	Gmdrm	hypo	CG	-0.1039
Gm15	35696606	35696687	Gmdrm	hypo	CG	-0.1217
Gm15	35731646	35731766	Gmdrm	hypo	CG	-0.7287
Gm15	35829537	35830029	Gmdrm	hypo	CG	-0.0635
Gm15	35864419	35864614	Gmdrm	hypo	CG	-0.104
Gm15	35915959	35916075	Gmdrm	hypo	CG	-0.038
Gm15	35922511	35922559	Gmdrm	hypo	CG	-0.146
Gm15	35956031	35956106	Gmdrm	hypo	CG	-0.0425
Gm15	36021855	36022230	Gmdrm	hypo	CG	-0.0627
Gm15	36039726	36040009	Gmdrm	hypo	CG	-0.0622
Gm15	36067142	36067324	Gmdrm	hypo	CG	-0.0431
Gm15	36105602	36105848	Gmdrm	hypo	CG	-0.5264
Gm15	36202275	36202509	Gmdrm	hypo	CG	-0.312
Gm15	36203909	36204180	Gmdrm	hypo	CG	-0.9153
Gm15	36209523	36209601	Gmdrm	hypo	CG	-0.243
Gm15	36211753	36212043	Gmdrm	hypo	CG	-0.3231

Gm15	36212626	36212824	Gmdrm	hypo	CG	-0.9377
Gm15	36214141	36214351	Gmdrm	hypo	CG	-0.7307
Gm15	36215751	36215827	Gmdrm	hypo	CG	-0.723
Gm15	36223726	36224362	Gmdrm	hypo	CG	-0.4116
Gm15	36255252	36255389	Gmdrm	hypo	CG	-0.279
Gm15	36260424	36260508	Gmdrm	hypo	CG	-0.1612
Gm15	36260971	36261155	Gmdrm	hypo	CG	-0.1467
Gm15	36266480	36266685	Gmdrm	hypo	CG	-0.6338
Gm15	36267490	36267557	Gmdrm	hypo	CG	-0.87
Gm15	36268351	36268362	Gmdrm	hypo	CG	-0.3684
Gm15	36287952	36288111	Gmdrm	hypo	CG	-0.678
Gm15	36417931	36418185	Gmdrm	hypo	CG	-0.0617
Gm15	36518629	36518842	Gmdrm	hypo	CG	-0.4575
Gm15	36530135	36530381	Gmdrm	hypo	CG	-0.6984
Gm15	36530559	36530660	Gmdrm	hypo	CG	-0.45
Gm15	36532420	36532672	Gmdrm	hypo	CG	-0.1047
Gm15	36533791	36533903	Gmdrm	hypo	CG	-0.2772
Gm15	36538479	36538610	Gmdrm	hypo	CG	-0.1
Gm15	36541043	36541401	Gmdrm	hypo	CG	-0.1615
Gm15	36565328	36565687	Gmdrm	hypo	CG	-0.0562
Gm15	36570685	36570773	Gmdrm	hypo	CG	-0.194
Gm15	36582311	36582440	Gmdrm	hypo	CG	-0.6149
Gm15	36591569	36591742	Gmdrm	hypo	CG	-0.2562
Gm15	36593721	36594123	Gmdrm	hypo	CG	-0.0805
Gm15	36594321	36594698	Gmdrm	hypo	CG	-0.4222
Gm15	36618097	36618215	Gmdrm	hypo	CG	-0.052
Gm15	36668981	36669051	Gmdrm	hypo	CG	-0.138
Gm15	36736452	36736530	Gmdrm	hypo	CG	-0.094
Gm15	36758762	36758934	Gmdrm	hypo	CG	-0.1566
Gm15	36760742	36760959	Gmdrm	hypo	CG	-0.045
Gm15	36796706	36796850	Gmdrm	hypo	CG	-0.1112
Gm15	36803867	36803958	Gmdrm	hypo	CG	-0.58
Gm15	36861012	36861286	Gmdrm	hypo	CG	-0.0363
Gm15	36871286	36871489	Gmdrm	hypo	CG	-0.0518
Gm15	36939145	36939358	Gmdrm	hypo	CG	-0.0495
Gm15	36984103	36985076	Gmdrm	hypo	CG	-0.0244
Gm15	37044845	37045099	Gmdrm	hypo	CG	-0.0491
Gm15	37068003	37068374	Gmdrm	hypo	CG	-0.0404
Gm15	37076283	37076939	Gmdrm	hypo	CG	-0.0383
Gm15	37170309	37170423	Gmdrm	hypo	CG	-0.124
Gm15	37176019	37176257	Gmdrm	hypo	CG	-0.1086
Gm15	37183123	37183458	Gmdrm	hypo	CG	-0.0737
Gm15	37205031	37205295	Gmdrm	hypo	CG	-0.1232
Gm15	37223643	37223809	Gmdrm	hypo	CG	-0.0789
Gm15	37223911	37223987	Gmdrm	hypo	CG	-0.1184
Gm15	37312487	37312754	Gmdrm	hypo	CG	-0.1325

Gm15	37318380	37318461	Gmdrm	hypo	CG	-0.0617
Gm15	37465405	37465548	Gmdrm	hypo	CG	-0.122
Gm15	37486078	37486184	Gmdrm	hypo	CG	-0.101
Gm15	37532182	37532770	Gmdrm	hypo	CG	-0.05
Gm15	37574198	37574533	Gmdrm	hypo	CG	-0.0631
Gm15	37600720	37601132	Gmdrm	hypo	CG	-0.695
Gm15	37664039	37664316	Gmdrm	hypo	CG	-0.0534
Gm15	37683695	37684178	Gmdrm	hypo	CG	-0.3576
Gm15	37750188	37750305	Gmdrm	hypo	CG	-0.0833
Gm15	37830156	37830623	Gmdrm	hypo	CG	-0.0698
Gm15	37918063	37918463	Gmdrm	hypo	CG	-0.0382
Gm15	37963462	37963622	Gmdrm	hypo	CG	-0.5684
Gm15	37994729	37995272	Gmdrm	hypo	CG	-0.104
Gm15	38002469	38002595	Gmdrm	hypo	CG	-0.1207
Gm15	38008200	38008307	Gmdrm	hypo	CG	-0.781
Gm15	38023227	38023279	Gmdrm	hypo	CG	-0.42
Gm15	38075401	38075436	Gmdrm	hypo	CG	-0.7816
Gm15	38076511	38076577	Gmdrm	hypo	CG	-0.7672
Gm15	38076823	38076942	Gmdrm	hypo	CG	-0.09
Gm15	38123243	38124225	Gmdrm	hypo	CG	-0.035
Gm15	38144375	38144558	Gmdrm	hypo	CG	-0.06
Gm15	38275274	38275726	Gmdrm	hypo	CG	-0.1595
Gm15	38283432	38283924	Gmdrm	hypo	CG	-0.0445
Gm15	38314587	38314613	Gmdrm	hypo	CG	-0.5687
Gm15	38322137	38322468	Gmdrm	hypo	CG	-0.0633
Gm15	38325349	38325575	Gmdrm	hypo	CG	-0.0671
Gm15	38347349	38347636	Gmdrm	hypo	CG	-0.0582
Gm15	38416341	38416656	Gmdrm	hypo	CG	-0.6227
Gm15	38421595	38421742	Gmdrm	hypo	CG	-0.43
Gm15	38422215	38422386	Gmdrm	hypo	CG	-0.5
Gm15	38425893	38426891	Gmdrm	hypo	CG	-0.0375
Gm15	38427143	38427261	Gmdrm	hypo	CG	-0.065
Gm15	38440415	38440925	Gmdrm	hypo	CG	-0.054
Gm15	38481108	38481266	Gmdrm	hypo	CG	-0.0642
Gm15	38485719	38485975	Gmdrm	hypo	CG	-0.0442
Gm15	38515724	38516665	Gmdrm	hypo	CG	-0.0532
Gm15	38747520	38747738	Gmdrm	hypo	CG	-0.23
Gm15	38766195	38766674	Gmdrm	hypo	CG	-0.045
Gm15	38778164	38778308	Gmdrm	hypo	CG	-0.9213
Gm15	38875234	38875301	Gmdrm	hypo	CG	-0.1
Gm15	38957553	38957615	Gmdrm	hypo	CG	-0.76
Gm15	38964254	38964289	Gmdrm	hypo	CG	-0.995
Gm15	38969040	38969470	Gmdrm	hypo	CG	-0.0284
Gm15	39101597	39101718	Gmdrm	hypo	CG	-0.85
Gm15	39157972	39158066	Gmdrm	hypo	CG	-0.2008
Gm15	39158297	39158478	Gmdrm	hypo	CG	-0.555

Gm15	39195096	39195224	Gmdrm	hypo	CG	-0.0342
Gm15	39361324	39361447	Gmdrm	hypo	CG	-0.699
Gm15	39362090	39362271	Gmdrm	hypo	CG	-0.798
Gm15	39370515	39371051	Gmdrm	hypo	CG	-0.49
Gm15	39463746	39464089	Gmdrm	hypo	CG	-0.0987
Gm15	39473891	39474573	Gmdrm	hypo	CG	-0.0311
Gm15	39532855	39533373	Gmdrm	hypo	CG	-0.068
Gm15	39643880	39644194	Gmdrm	hypo	CG	-0.0827
Gm15	39646033	39647008	Gmdrm	hypo	CG	-0.0219
Gm15	39677733	39678722	Gmdrm	hypo	CG	-0.0291
Gm15	39698003	39698155	Gmdrm	hypo	CG	-0.165
Gm15	39882442	39883312	Gmdrm	hypo	CG	-0.0238
Gm15	39971446	39972388	Gmdrm	hypo	CG	-0.0351
Gm15	40003335	40004335	Gmdrm	hypo	CG	-0.0417
Gm15	40070827	40071821	Gmdrm	hypo	CG	-0.032
Gm15	40111676	40112666	Gmdrm	hypo	CG	-0.0147
Gm15	40262675	40263220	Gmdrm	hypo	CG	-0.0357
Gm15	40321303	40321361	Gmdrm	hypo	CG	-0.108
Gm15	40330046	40330096	Gmdrm	hypo	CG	-0.1249
Gm15	40426533	40427077	Gmdrm	hypo	CG	-0.3092
Gm15	40431960	40432104	Gmdrm	hypo	CG	-0.2817
Gm15	40519421	40519841	Gmdrm	hypo	CG	-0.0455
Gm15	40523291	40524289	Gmdrm	hypo	CG	-0.0382
Gm15	40575966	40575986	Gmdrm	hypo	CG	-0.3817
Gm15	40624811	40625030	Gmdrm	hypo	CG	-0.0375
Gm15	40649031	40649099	Gmdrm	hypo	CG	-0.1288
Gm15	40700245	40700438	Gmdrm	hypo	CG	-0.241
Gm15	40703833	40703973	Gmdrm	hypo	CG	-0.1017
Gm15	40704974	40705390	Gmdrm	hypo	CG	-0.0771
Gm15	40714868	40715343	Gmdrm	hypo	CG	-0.0475
Gm15	40721600	40721794	Gmdrm	hypo	CG	-0.085
Gm15	40751434	40751557	Gmdrm	hypo	CG	-0.7967
Gm15	40807005	40807421	Gmdrm	hypo	CG	-0.5936
Gm15	40808646	40808973	Gmdrm	hypo	CG	-0.5195
Gm15	40837237	40837791	Gmdrm	hypo	CG	-0.0411
Gm15	40890955	40891239	Gmdrm	hypo	CG	-0.0739
Gm15	40959366	40959760	Gmdrm	hypo	CG	-0.0856
Gm15	40988297	40988929	Gmdrm	hypo	CG	-0.0349
Gm15	41086963	41087158	Gmdrm	hypo	CG	-0.04
Gm15	41128040	41128189	Gmdrm	hypo	CG	-0.6757
Gm15	41130111	41130754	Gmdrm	hypo	CG	-0.0336
Gm15	41135637	41135794	Gmdrm	hypo	CG	-0.905
Gm15	41136179	41136327	Gmdrm	hypo	CG	-0.8971
Gm15	41142713	41142824	Gmdrm	hypo	CG	-0.1725
Gm15	41164691	41164730	Gmdrm	hypo	CG	-0.21
Gm15	41261680	41261873	Gmdrm	hypo	CG	-0.4111

Gm15	41324920	41325071	Gmdrm	hypo	CG	-0.0466
Gm15	41339762	41339996	Gmdrm	hypo	CG	-0.2785
Gm15	41351334	41351357	Gmdrm	hypo	CG	-0.3067
Gm15	41382193	41382813	Gmdrm	hypo	CG	-0.0297
Gm15	41424497	41425076	Gmdrm	hypo	CG	-0.3087
Gm15	41440543	41440652	Gmdrm	hypo	CG	-0.4338
Gm15	41459658	41459836	Gmdrm	hypo	CG	-0.5428
Gm15	41463258	41463571	Gmdrm	hypo	CG	-0.0443
Gm15	41468371	41468615	Gmdrm	hypo	CG	-0.0922
Gm15	41552919	41553228	Gmdrm	hypo	CG	-0.2221
Gm15	41554820	41554992	Gmdrm	hypo	CG	-0.38
Gm15	41555173	41555340	Gmdrm	hypo	CG	-0.47
Gm15	41575666	41575798	Gmdrm	hypo	CG	-0.065
Gm15	41582300	41582476	Gmdrm	hypo	CG	-0.0607
Gm15	41590044	41590567	Gmdrm	hypo	CG	-0.0317
Gm15	41608426	41608446	Gmdrm	hypo	CG	-0.7267
Gm15	41608587	41608701	Gmdrm	hypo	CG	-0.847
Gm15	41621615	41621991	Gmdrm	hypo	CG	-0.0437
Gm15	41680828	41681492	Gmdrm	hypo	CG	-0.0628
Gm15	41694686	41695345	Gmdrm	hypo	CG	-0.0234
Gm15	41716316	41716462	Gmdrm	hypo	CG	-0.0412
Gm15	41719631	41719847	Gmdrm	hypo	CG	-0.3784
Gm15	41767152	41767807	Gmdrm	hypo	CG	-0.0363
Gm15	41773442	41773515	Gmdrm	hypo	CG	-0.0313
Gm15	41776495	41776800	Gmdrm	hypo	CG	-0.065
Gm15	41795012	41795206	Gmdrm	hypo	CG	-0.5633
Gm15	41824585	41824674	Gmdrm	hypo	CG	-0.0525
Gm15	41844320	41844820	Gmdrm	hypo	CG	-0.0404
Gm15	41849648	41849719	Gmdrm	hypo	CG	-0.078
Gm15	41874421	41874579	Gmdrm	hypo	CG	-0.08
Gm15	41911895	41912202	Gmdrm	hypo	CG	-0.0484
Gm15	41964753	41964835	Gmdrm	hypo	CG	-0.2884
Gm15	41965203	41965323	Gmdrm	hypo	CG	-0.9654
Gm15	42125423	42125443	Gmdrm	hypo	CG	-0.9467
Gm15	42198662	42198896	Gmdrm	hypo	CG	-0.0627
Gm15	42205131	42205273	Gmdrm	hypo	CG	-0.55
Gm15	42205856	42206013	Gmdrm	hypo	CG	-0.922
Gm15	42206268	42206544	Gmdrm	hypo	CG	-0.2273
Gm15	42215844	42215927	Gmdrm	hypo	CG	-0.56
Gm15	42216269	42216410	Gmdrm	hypo	CG	-0.1934
Gm15	42216528	42216669	Gmdrm	hypo	CG	-0.5354
Gm15	42216981	42216989	Gmdrm	hypo	CG	-0.905
Gm15	42217443	42217456	Gmdrm	hypo	CG	-0.4499
Gm15	42218684	42218854	Gmdrm	hypo	CG	-0.8
Gm15	42220072	42220209	Gmdrm	hypo	CG	-0.1866
Gm15	42221426	42221558	Gmdrm	hypo	CG	-0.1125

Gm15	42225498	42226498	Gmdrm	hypo	CG	-0.0321
Gm15	42266247	42266344	Gmdrm	hypo	CG	-0.042
Gm15	42289297	42289321	Gmdrm	hypo	CG	-0.734
Gm15	42294032	42294094	Gmdrm	hypo	CG	-0.0878
Gm15	42329355	42329446	Gmdrm	hypo	CG	-0.3443
Gm15	42329649	42329998	Gmdrm	hypo	CG	-0.3089
Gm15	42330138	42330399	Gmdrm	hypo	CG	-0.6
Gm15	42415647	42415670	Gmdrm	hypo	CG	-0.175
Gm15	42418097	42418146	Gmdrm	hypo	CG	-0.833
Gm15	42434095	42434489	Gmdrm	hypo	CG	-0.0372
Gm15	42440057	42440251	Gmdrm	hypo	CG	-0.1962
Gm15	42543170	42543218	Gmdrm	hypo	CG	-0.2084
Gm15	42543345	42543454	Gmdrm	hypo	CG	-0.347
Gm15	42576132	42576242	Gmdrm	hypo	CG	-0.8567
Gm15	42586319	42586356	Gmdrm	hypo	CG	-0.7571
Gm15	42600770	42601110	Gmdrm	hypo	CG	-0.042
Gm15	42619752	42619845	Gmdrm	hypo	CG	-0.0583
Gm15	42641244	42641759	Gmdrm	hypo	CG	-0.0434
Gm15	42800138	42800169	Gmdrm	hypo	CG	-0.748
Gm15	42818457	42818683	Gmdrm	hypo	CG	-0.4737
Gm15	42898725	42898856	Gmdrm	hypo	CG	-0.7528
Gm15	42904348	42904807	Gmdrm	hypo	CG	-0.0356
Gm15	42943999	42944692	Gmdrm	hypo	CG	-0.0785
Gm15	42950913	42950945	Gmdrm	hypo	CG	-0.355
Gm15	42986093	42986288	Gmdrm	hypo	CG	-0.042
Gm15	43028408	43028741	Gmdrm	hypo	CG	-0.1134
Gm15	43053777	43054028	Gmdrm	hypo	CG	-0.1178
Gm15	43054277	43054429	Gmdrm	hypo	CG	-0.3261
Gm15	43055504	43055706	Gmdrm	hypo	CG	-0.527
Gm15	43055865	43055997	Gmdrm	hypo	CG	-0.4586
Gm15	43057004	43057273	Gmdrm	hypo	CG	-0.8693
Gm15	43142953	43143024	Gmdrm	hypo	CG	-0.16
Gm15	43191898	43192158	Gmdrm	hypo	CG	-0.06
Gm15	43214542	43214944	Gmdrm	hypo	CG	-0.0298
Gm15	43223317	43223376	Gmdrm	hypo	CG	-0.0966
Gm15	43243766	43243955	Gmdrm	hypo	CG	-0.2338
Gm15	43244855	43245075	Gmdrm	hypo	CG	-0.755
Gm15	43245208	43245357	Gmdrm	hypo	CG	-0.681
Gm15	43246256	43246604	Gmdrm	hypo	CG	-0.6885
Gm15	43247636	43247810	Gmdrm	hypo	CG	-0.5783
Gm15	43248471	43248675	Gmdrm	hypo	CG	-0.1
Gm15	43321880	43322870	Gmdrm	hypo	CG	-0.0281
Gm15	43344469	43344562	Gmdrm	hypo	CG	-0.8983
Gm15	43354620	43354711	Gmdrm	hypo	CG	-0.074
Gm15	43370544	43370761	Gmdrm	hypo	CG	-0.1482
Gm15	43431128	43431352	Gmdrm	hypo	CG	-0.098

Gm15	43474324	43474551	Gmdrm	hypo	CG	-0.0514
Gm15	43488213	43488270	Gmdrm	hypo	CG	-0.096
Gm15	43560307	43560567	Gmdrm	hypo	CG	-0.0567
Gm15	43566710	43566863	Gmdrm	hypo	CG	-0.055
Gm15	43599539	43599634	Gmdrm	hypo	CG	-0.0375
Gm15	43686256	43686463	Gmdrm	hypo	CG	-0.1011
Gm15	43706143	43706314	Gmdrm	hypo	CG	-0.5164
Gm15	43738797	43739065	Gmdrm	hypo	CG	-0.0574
Gm15	43739196	43739717	Gmdrm	hypo	CG	-0.3632
Gm15	43782183	43782234	Gmdrm	hypo	CG	-0.1267
Gm15	43793949	43794213	Gmdrm	hypo	CG	-0.6212
Gm15	43819286	43819620	Gmdrm	hypo	CG	-0.735
Gm15	43819848	43819873	Gmdrm	hypo	CG	-0.6984
Gm15	43825917	43826092	Gmdrm	hypo	CG	-0.9845
Gm15	43835779	43835917	Gmdrm	hypo	CG	-0.4815
Gm15	43837041	43837095	Gmdrm	hypo	CG	-0.3933
Gm15	43874764	43874800	Gmdrm	hypo	CG	-0.5533
Gm15	43876572	43876746	Gmdrm	hypo	CG	-0.7512
Gm15	43880255	43880775	Gmdrm	hypo	CG	-0.4312
Gm15	43880876	43881475	Gmdrm	hypo	CG	-0.4536
Gm15	43883124	43883272	Gmdrm	hypo	CG	-0.94
Gm15	43905777	43905845	Gmdrm	hypo	CG	-0.734
Gm15	43937478	43937657	Gmdrm	hypo	CG	-0.4608
Gm15	43954476	43954570	Gmdrm	hypo	CG	-0.5218
Gm15	43965143	43965183	Gmdrm	hypo	CG	-0.9234
Gm15	44029649	44029806	Gmdrm	hypo	CG	-0.62
Gm15	44138727	44139186	Gmdrm	hypo	CG	-0.8065
Gm15	44167402	44167469	Gmdrm	hypo	CG	-0.3878
Gm15	44219244	44219292	Gmdrm	hypo	CG	-0.0986
Gm15	44265777	44266102	Gmdrm	hypo	CG	-0.255
Gm15	44288766	44288837	Gmdrm	hypo	CG	-0.973
Gm15	44301874	44301909	Gmdrm	hypo	CG	-0.7733
Gm15	44311979	44312138	Gmdrm	hypo	CG	-0.0811
Gm15	44340543	44340814	Gmdrm	hypo	CG	-0.0582
Gm15	44365006	44365196	Gmdrm	hypo	CG	-0.3275
Gm15	44365334	44365487	Gmdrm	hypo	CG	-0.0992
Gm15	44365660	44365789	Gmdrm	hypo	CG	-0.3267
Gm15	44389332	44389399	Gmdrm	hypo	CG	-0.23
Gm15	44391861	44391924	Gmdrm	hypo	CG	-0.175
Gm15	44392548	44392567	Gmdrm	hypo	CG	-0.5666
Gm15	44392778	44393091	Gmdrm	hypo	CG	-0.2836
Gm15	44393469	44393566	Gmdrm	hypo	CG	-0.3883
Gm15	44394871	44395237	Gmdrm	hypo	CG	-0.0775
Gm15	44411539	44411723	Gmdrm	hypo	CG	-0.62
Gm15	44433386	44433524	Gmdrm	hypo	CG	-0.07
Gm15	44435577	44435658	Gmdrm	hypo	CG	-0.4225

Gm15	44465540	44465568 Gmdrm	hypo	CG	-0.1637
Gm15	44466684	44467087 Gmdrm	hypo	CG	-0.5252
Gm15	44467353	44467631 Gmdrm	hypo	CG	-0.6191
Gm15	44475930	44476044 Gmdrm	hypo	CG	-0.03
Gm15	44490427	44490655 Gmdrm	hypo	CG	-0.1022
Gm15	44501336	44501552 Gmdrm	hypo	CG	-0.818
Gm15	44512720	44512915 Gmdrm	hypo	CG	-0.7243
Gm15	44536721	44536852 Gmdrm	hypo	CG	-0.655
Gm15	44538991	44539280 Gmdrm	hypo	CG	-0.1772
Gm15	44560426	44560628 Gmdrm	hypo	CG	-0.732
Gm15	44560754	44560764 Gmdrm	hypo	CG	-0.3376
Gm15	44578483	44578723 Gmdrm	hypo	CG	-0.768
Gm15	44618710	44618737 Gmdrm	hypo	CG	-0.67
Gm15	44680636	44680729 Gmdrm	hypo	CG	-0.13
Gm15	44698882	44698898 Gmdrm	hypo	CG	-0.9266
Gm15	44731468	44731663 Gmdrm	hypo	CG	-0.0954
Gm15	44762756	44763028 Gmdrm	hypo	CG	-0.8271
Gm15	44766659	44767314 Gmdrm	hypo	CG	-0.2811
Gm15	44767808	44768033 Gmdrm	hypo	CG	-0.4985
Gm15	44774936	44774971 Gmdrm	hypo	CG	-0.11
Gm15	44799002	44799042 Gmdrm	hypo	CG	-0.064
Gm15	44814842	44814870 Gmdrm	hypo	CG	-0.7675
Gm15	44837744	44837775 Gmdrm	hypo	CG	-0.6667
Gm15	44852809	44852881 Gmdrm	hypo	CG	-0.309
Gm15	44859776	44859993 Gmdrm	hypo	CG	-0.91
Gm15	44861019	44861072 Gmdrm	hypo	CG	-0.1867
Gm15	44878872	44878959 Gmdrm	hypo	CG	-0.52
Gm15	44879133	44879287 Gmdrm	hypo	CG	-0.551
Gm15	44890261	44890328 Gmdrm	hypo	CG	-0.1893
Gm15	44893049	44893500 Gmdrm	hypo	CG	-0.1419
Gm15	44929777	44929894 Gmdrm	hypo	CG	-0.7217
Gm15	44930299	44930349 Gmdrm	hypo	CG	-0.6984
Gm15	44930580	44930683 Gmdrm	hypo	CG	-0.5834
Gm15	44932191	44932398 Gmdrm	hypo	CG	-0.0267
Gm15	44938342	44938549 Gmdrm	hypo	CG	-0.0429
Gm15	44940156	44940368 Gmdrm	hypo	CG	-0.4078
Gm15	44954992	44955204 Gmdrm	hypo	CG	-0.0243
Gm15	44963986	44964174 Gmdrm	hypo	CG	-0.1011
Gm15	44967632	44967844 Gmdrm	hypo	CG	-0.13
Gm15	44971042	44971162 Gmdrm	hypo	CG	-0.282
Gm15	44992517	44992573 Gmdrm	hypo	CG	-0.2483
Gm15	44992990	44993088 Gmdrm	hypo	CG	-0.8733
Gm15	45009775	45009878 Gmdrm	hypo	CG	-0.0865
Gm15	45021822	45021974 Gmdrm	hypo	CG	-0.8443
Gm15	45022111	45022242 Gmdrm	hypo	CG	-0.6917
Gm15	45028162	45028191 Gmdrm	hypo	CG	-0.2617

Gm15	45028526	45028627	Gmdrm	hypo	CG	-0.868
Gm15	45049234	45049869	Gmdrm	hypo	CG	-0.2493
Gm15	45054648	45054708	Gmdrm	hypo	CG	-0.555
Gm15	45075724	45075893	Gmdrm	hypo	CG	-0.22
Gm15	45077734	45077783	Gmdrm	hypo	CG	-0.054
Gm15	45147183	45147279	Gmdrm	hypo	CG	-0.055
Gm15	45159666	45159728	Gmdrm	hypo	CG	-0.0917
Gm15	45174932	45175206	Gmdrm	hypo	CG	-0.2824
Gm15	45176018	45176192	Gmdrm	hypo	CG	-0.4172
Gm15	45177106	45177643	Gmdrm	hypo	CG	-0.4624
Gm15	45182261	45182604	Gmdrm	hypo	CG	-0.7372
Gm15	45203079	45203193	Gmdrm	hypo	CG	-0.08
Gm15	45215814	45215876	Gmdrm	hypo	CG	-0.4311
Gm15	45232993	45233161	Gmdrm	hypo	CG	-0.0884
Gm15	45254861	45255006	Gmdrm	hypo	CG	-0.0689
Gm15	45299634	45299918	Gmdrm	hypo	CG	-0.443
Gm15	45302791	45303015	Gmdrm	hypo	CG	-0.0693
Gm15	45306226	45306289	Gmdrm	hypo	CG	-0.7883
Gm15	45364877	45364903	Gmdrm	hypo	CG	-0.0867
Gm15	45377992	45378136	Gmdrm	hypo	CG	-0.3788
Gm15	45391588	45391732	Gmdrm	hypo	CG	-0.716
Gm15	45392166	45392296	Gmdrm	hypo	CG	-0.9508
Gm15	45397561	45397682	Gmdrm	hypo	CG	-0.5266
Gm15	45406742	45406899	Gmdrm	hypo	CG	-0.803
Gm15	45426522	45426639	Gmdrm	hypo	CG	-0.169
Gm15	45437075	45437139	Gmdrm	hypo	CG	-0.165
Gm15	45461799	45462170	Gmdrm	hypo	CG	-0.2648
Gm15	45506472	45506826	Gmdrm	hypo	CG	-0.508
Gm15	45509176	45510171	Gmdrm	hypo	CG	-0.0233
Gm15	45517383	45517449	Gmdrm	hypo	CG	-0.872
Gm15	45583431	45583466	Gmdrm	hypo	CG	-0.4817
Gm15	45587713	45587905	Gmdrm	hypo	CG	-0.789
Gm15	45621268	45621331	Gmdrm	hypo	CG	-0.4083
Gm15	45654511	45655011	Gmdrm	hypo	CG	-0.8865
Gm15	45655953	45656064	Gmdrm	hypo	CG	-0.285
Gm15	45702413	45702490	Gmdrm	hypo	CG	-0.6545
Gm15	45704841	45704944	Gmdrm	hypo	CG	-0.6717
Gm15	45769041	45769298	Gmdrm	hypo	CG	-0.04
Gm15	45772784	45773189	Gmdrm	hypo	CG	-0.0642
Gm15	45820912	45820940	Gmdrm	hypo	CG	-0.032
Gm15	45837321	45837417	Gmdrm	hypo	CG	-0.9267
Gm15	45862712	45863184	Gmdrm	hypo	CG	-0.2028
Gm15	45913734	45913854	Gmdrm	hypo	CG	-0.06
Gm15	45920376	45920476	Gmdrm	hypo	CG	-0.4467
Gm15	45920602	45920772	Gmdrm	hypo	CG	-0.3385
Gm15	45920878	45921003	Gmdrm	hypo	CG	-0.1192

Gm15	45930306	45930500	Gmdrm	hypo	CG	-0.0467
Gm15	46002789	46003244	Gmdrm	hypo	CG	-0.0232
Gm15	47445352	47445827	Gmdrm	hypo	CG	-0.0995
Gm15	47492113	47492194	Gmdrm	hypo	CG	-0.3729
Gm15	47495724	47495756	Gmdrm	hypo	CG	-0.9033
Gm15	47496095	47496273	Gmdrm	hypo	CG	-0.7825
Gm15	47504270	47504361	Gmdrm	hypo	CG	-0.655
Gm15	47520326	47520381	Gmdrm	hypo	CG	-0.2943
Gm15	47521059	47521196	Gmdrm	hypo	CG	-0.05
Gm15	47521557	47521631	Gmdrm	hypo	CG	-0.2413
Gm15	47521867	47522023	Gmdrm	hypo	CG	-0.3875
Gm15	47529714	47529765	Gmdrm	hypo	CG	-0.61
Gm15	47530120	47530330	Gmdrm	hypo	CG	-0.5417
Gm15	47544875	47545521	Gmdrm	hypo	CG	-0.1206
Gm15	47593246	47594233	Gmdrm	hypo	CG	-0.0304
Gm15	47617777	47617954	Gmdrm	hypo	CG	-0.3901
Gm15	47618163	47618294	Gmdrm	hypo	CG	-0.3875
Gm15	47623441	47624005	Gmdrm	hypo	CG	-0.1128
Gm15	47641902	47642368	Gmdrm	hypo	CG	-0.0286
Gm15	47642612	47642717	Gmdrm	hypo	CG	-0.274
Gm15	47646920	47647101	Gmdrm	hypo	CG	-0.6283
Gm15	47653346	47653673	Gmdrm	hypo	CG	-0.0748
Gm15	47690083	47690187	Gmdrm	hypo	CG	-0.4082
Gm15	47690290	47690397	Gmdrm	hypo	CG	-0.616
Gm15	47693003	47693052	Gmdrm	hypo	CG	-0.4388
Gm15	47693178	47693287	Gmdrm	hypo	CG	-0.8957
Gm15	47697515	47697834	Gmdrm	hypo	CG	-0.7889
Gm15	47699612	47699675	Gmdrm	hypo	CG	-0.5762
Gm15	47700285	47700374	Gmdrm	hypo	CG	-0.06
Gm15	47741755	47741912	Gmdrm	hypo	CG	-0.4367
Gm15	47746701	47746843	Gmdrm	hypo	CG	-0.94
Gm15	47750093	47750345	Gmdrm	hypo	CG	-0.2827
Gm15	47754502	47754929	Gmdrm	hypo	CG	-0.5391
Gm15	47806962	47807759	Gmdrm	hypo	CG	-0.0224
Gm15	47863873	47864195	Gmdrm	hypo	CG	-0.2343
Gm15	47864615	47864799	Gmdrm	hypo	CG	-0.394
Gm15	47868268	47868367	Gmdrm	hypo	CG	-0.387
Gm15	48147094	48147240	Gmdrm	hypo	CG	-0.2121
Gm15	48147966	48148152	Gmdrm	hypo	CG	-0.2163
Gm15	48148400	48148440	Gmdrm	hypo	CG	-0.1517
Gm15	48155404	48155504	Gmdrm	hypo	CG	-0.045
Gm15	48175479	48175894	Gmdrm	hypo	CG	-0.0928
Gm15	48216759	48217045	Gmdrm	hypo	CG	-0.1748
Gm15	48229246	48229434	Gmdrm	hypo	CG	-0.5
Gm15	48231306	48231648	Gmdrm	hypo	CG	-0.1713
Gm15	48313538	48313672	Gmdrm	hypo	CG	-0.49

Gm15	48395933	48396163	Gmdrm	hypo	CG	-0.615
Gm15	48410680	48410840	Gmdrm	hypo	CG	-0.2489
Gm15	48411018	48411297	Gmdrm	hypo	CG	-0.5256
Gm15	48421001	48421164	Gmdrm	hypo	CG	-0.064
Gm15	48464505	48464594	Gmdrm	hypo	CG	-0.95
Gm15	48575688	48575724	Gmdrm	hypo	CG	-0.8117
Gm15	48606628	48606692	Gmdrm	hypo	CG	-0.1033
Gm15	48838275	48838342	Gmdrm	hypo	CG	-0.895
Gm15	48867980	48868463	Gmdrm	hypo	CG	-0.2975
Gm15	48915342	48915484	Gmdrm	hypo	CG	-0.072
Gm15	48922518	48922747	Gmdrm	hypo	CG	-0.1971
Gm15	48933618	48933931	Gmdrm	hypo	CG	-0.7945
Gm15	48935033	48935379	Gmdrm	hypo	CG	-0.1127
Gm15	48935541	48935746	Gmdrm	hypo	CG	-0.121
Gm15	48978066	48978207	Gmdrm	hypo	CG	-0.036
Gm15	48988700	48988780	Gmdrm	hypo	CG	-0.51
Gm15	48989688	48989710	Gmdrm	hypo	CG	-0.6567
Gm15	49137475	49137547	Gmdrm	hypo	CG	-0.074
Gm15	49156379	49156770	Gmdrm	hypo	CG	-0.0564
Gm15	49201232	49201375	Gmdrm	hypo	CG	-0.08
Gm15	49210110	49210282	Gmdrm	hypo	CG	-0.9663
Gm15	49249677	49249728	Gmdrm	hypo	CG	-0.5376
Gm15	49259540	49259971	Gmdrm	hypo	CG	-0.642
Gm15	49295312	49295629	Gmdrm	hypo	CG	-0.7628
Gm15	49313305	49313536	Gmdrm	hypo	CG	-0.0396
Gm15	49348639	49348913	Gmdrm	hypo	CG	-0.708
Gm15	49354414	49354641	Gmdrm	hypo	CG	-0.92
Gm15	49360599	49360671	Gmdrm	hypo	CG	-0.04
Gm15	49368667	49368862	Gmdrm	hypo	CG	-0.9592
Gm15	49375199	49375267	Gmdrm	hypo	CG	-0.8933
Gm15	49376010	49376409	Gmdrm	hypo	CG	-0.8144
Gm15	49396645	49396882	Gmdrm	hypo	CG	-0.2275
Gm15	49399010	49399037	Gmdrm	hypo	CG	-0.5567
Gm15	49402086	49402324	Gmdrm	hypo	CG	-0.8131
Gm15	49403225	49403768	Gmdrm	hypo	CG	-0.3218
Gm15	49415493	49415562	Gmdrm	hypo	CG	-0.129
Gm15	49437688	49437709	Gmdrm	hypo	CG	-0.1263
Gm15	49444392	49444500	Gmdrm	hypo	CG	-0.285
Gm15	49467948	49468105	Gmdrm	hypo	CG	-0.1175
Gm15	49486257	49486561	Gmdrm	hypo	CG	-0.1843
Gm15	49494965	49495223	Gmdrm	hypo	CG	-0.2288
Gm15	49500058	49500152	Gmdrm	hypo	CG	-0.4763
Gm15	49512954	49513027	Gmdrm	hypo	CG	-0.6667
Gm15	49524219	49524399	Gmdrm	hypo	CG	-0.7071
Gm15	49541316	49541369	Gmdrm	hypo	CG	-0.29
Gm15	49541575	49541944	Gmdrm	hypo	CG	-0.4262

Gm15	49551986	49552026	Gmdrm	hypo	CG	-0.044
Gm15	49556580	49556803	Gmdrm	hypo	CG	-0.2492
Gm15	49589856	49589975	Gmdrm	hypo	CG	-0.07
Gm15	49601375	49601391	Gmdrm	hypo	CG	-0.52
Gm15	49627656	49627738	Gmdrm	hypo	CG	-0.9883
Gm15	49627911	49628047	Gmdrm	hypo	CG	-0.9583
Gm15	49628252	49628320	Gmdrm	hypo	CG	-0.9883
Gm15	49637681	49637973	Gmdrm	hypo	CG	-0.0586
Gm15	49638225	49638327	Gmdrm	hypo	CG	-0.1363
Gm15	49638438	49638524	Gmdrm	hypo	CG	-0.5233
Gm15	49662460	49662569	Gmdrm	hypo	CG	-0.7675
Gm15	49664547	49664688	Gmdrm	hypo	CG	-0.9034
Gm15	49666469	49666612	Gmdrm	hypo	CG	-0.8742
Gm15	49691091	49691640	Gmdrm	hypo	CG	-0.0318
Gm15	49703402	49703832	Gmdrm	hypo	CG	-0.0257
Gm15	49708893	49709544	Gmdrm	hypo	CG	-0.0397
Gm15	49713839	49713914	Gmdrm	hypo	CG	-0.335
Gm15	49719007	49719171	Gmdrm	hypo	CG	-0.1114
Gm15	49759179	49759224	Gmdrm	hypo	CG	-0.62
Gm15	49775860	49776114	Gmdrm	hypo	CG	-0.3641
Gm15	49825083	49825249	Gmdrm	hypo	CG	-0.0587
Gm15	49832298	49832435	Gmdrm	hypo	CG	-0.8758
Gm15	49834444	49834875	Gmdrm	hypo	CG	-0.0832
Gm15	49851960	49852450	Gmdrm	hypo	CG	-0.0309
Gm15	49858136	49858154	Gmdrm	hypo	CG	-0.9017
Gm15	49859893	49859968	Gmdrm	hypo	CG	-0.65
Gm15	49904145	49904267	Gmdrm	hypo	CG	-0.9391
Gm15	49904483	49904668	Gmdrm	hypo	CG	-0.3569
Gm15	49914960	49915018	Gmdrm	hypo	CG	-0.1384
Gm15	49947354	49947467	Gmdrm	hypo	CG	-0.9167
Gm15	49950547	49950679	Gmdrm	hypo	CG	-0.315
Gm15	49982449	49982556	Gmdrm	hypo	CG	-0.64
Gm15	49983927	49984085	Gmdrm	hypo	CG	-0.145
Gm15	49985239	49985508	Gmdrm	hypo	CG	-0.0717
Gm15	49989047	49989609	Gmdrm	hypo	CG	-0.2141
Gm15	49989728	49989841	Gmdrm	hypo	CG	-0.0534
Gm15	50005657	50005744	Gmdrm	hypo	CG	-0.9017
Gm15	50028406	50028656	Gmdrm	hypo	CG	-0.9367
Gm15	50030402	50030596	Gmdrm	hypo	CG	-0.8955
Gm15	50031205	50031545	Gmdrm	hypo	CG	-0.6668
Gm15	50037838	50038108	Gmdrm	hypo	CG	-0.4322
Gm15	50039055	50039155	Gmdrm	hypo	CG	-0.945
Gm15	50041786	50041857	Gmdrm	hypo	CG	-0.7
Gm15	50095041	50095297	Gmdrm	hypo	CG	-0.2944
Gm15	50104849	50105042	Gmdrm	hypo	CG	-0.725
Gm15	50129558	50129674	Gmdrm	hypo	CG	-0.1987

Gm15	50208153	50208323	Gmdrm	hypo	CG	-0.1958
Gm15	50214774	50214851	Gmdrm	hypo	CG	-0.9016
Gm15	50217766	50217785	Gmdrm	hypo	CG	-0.415
Gm15	50218076	50218233	Gmdrm	hypo	CG	-0.9
Gm15	50221709	50221837	Gmdrm	hypo	CG	-0.7525
Gm15	50223996	50224063	Gmdrm	hypo	CG	-0.727
Gm15	50224238	50224300	Gmdrm	hypo	CG	-0.9633
Gm15	50224420	50224439	Gmdrm	hypo	CG	-0.53
Gm15	50229345	50229522	Gmdrm	hypo	CG	-0.4745
Gm15	50236135	50236704	Gmdrm	hypo	CG	-0.7469
Gm15	50236973	50237032	Gmdrm	hypo	CG	-0.9287
Gm15	50258427	50258561	Gmdrm	hypo	CG	-0.074
Gm15	50286224	50286351	Gmdrm	hypo	CG	-0.8483
Gm15	50289077	50289430	Gmdrm	hypo	CG	-0.4956
Gm15	50289621	50289685	Gmdrm	hypo	CG	-0.1557
Gm15	50310829	50310964	Gmdrm	hypo	CG	-0.958
Gm15	50311338	50311760	Gmdrm	hypo	CG	-0.6137
Gm15	50322137	50322592	Gmdrm	hypo	CG	-0.0393
Gm15	50324144	50324541	Gmdrm	hypo	CG	-0.5042
Gm15	50325997	50326403	Gmdrm	hypo	CG	-0.72
Gm15	50327982	50328083	Gmdrm	hypo	CG	-0.203
Gm15	50328295	50328419	Gmdrm	hypo	CG	-0.68
Gm15	50332701	50332825	Gmdrm	hypo	CG	-0.5772
Gm15	50333069	50333151	Gmdrm	hypo	CG	-0.0657
Gm15	50335286	50335633	Gmdrm	hypo	CG	-0.0983
Gm15	50394895	50395096	Gmdrm	hypo	CG	-0.8369
Gm15	50407759	50408416	Gmdrm	hypo	CG	-0.0389
Gm15	50429226	50429364	Gmdrm	hypo	CG	-0.148
Gm15	50437851	50437896	Gmdrm	hypo	CG	-0.9375
Gm15	50441986	50442070	Gmdrm	hypo	CG	-0.036
Gm15	50452712	50452867	Gmdrm	hypo	CG	-0.4257
Gm15	50462510	50462693	Gmdrm	hypo	CG	-0.66
Gm15	50498259	50498377	Gmdrm	hypo	CG	-0.819
Gm15	50498725	50498937	Gmdrm	hypo	CG	-0.0846
Gm15	50507924	50508063	Gmdrm	hypo	CG	-0.9629
Gm15	50523394	50523600	Gmdrm	hypo	CG	-0.639
Gm15	50545463	50545799	Gmdrm	hypo	CG	-0.77
Gm15	50586733	50586906	Gmdrm	hypo	CG	-0.2138
Gm15	50587580	50587621	Gmdrm	hypo	CG	-0.58
Gm15	50591363	50591495	Gmdrm	hypo	CG	-0.7812
Gm15	50629174	50629316	Gmdrm	hypo	CG	-0.5625
Gm15	50629945	50630085	Gmdrm	hypo	CG	-0.2266
Gm15	50630943	50631144	Gmdrm	hypo	CG	-0.65
Gm15	50633697	50633864	Gmdrm	hypo	CG	-0.7258
Gm15	50642016	50642129	Gmdrm	hypo	CG	-0.1588
Gm15	50649882	50650091	Gmdrm	hypo	CG	-0.3857

Gm15	50652223	50652307	Gmdrm	hypo	CG	-0.7525
Gm15	50653611	50653721	Gmdrm	hypo	CG	-0.392
Gm15	50710509	50710595	Gmdrm	hypo	CG	-0.6117
Gm15	50724385	50725024	Gmdrm	hypo	CG	-0.7817
Gm15	50744684	50744816	Gmdrm	hypo	CG	-0.058
Gm15	50774053	50774111	Gmdrm	hypo	CG	-0.925
Gm15	50781084	50781406	Gmdrm	hypo	CG	-0.513
Gm15	50813204	50813278	Gmdrm	hypo	CG	-0.045
Gm15	50819438	50819476	Gmdrm	hypo	CG	-0.036
Gm15	50823119	50823312	Gmdrm	hypo	CG	-0.467
Gm15	50836893	50836985	Gmdrm	hypo	CG	-0.8666
Gm15	50841895	50841946	Gmdrm	hypo	CG	-0.9383
Gm15	50859842	50860000	Gmdrm	hypo	CG	-0.052
Gm15	50924213	50924477	Gmdrm	hypo	CG	-0.0529
Gm15	50932464	50932605	Gmdrm	hypo	CG	-0.776
Gm15	50932856	50933226	Gmdrm	hypo	CG	-0.6689
Gm15	50947518	50947662	Gmdrm	hypo	CG	-0.038
Gm15	50966503	50966866	Gmdrm	hypo	CG	-0.5816
Gm15	50976542	50976658	Gmdrm	hypo	CG	-0.6537
Gm15	50979722	50979796	Gmdrm	hypo	CG	-0.905
Gm15	50981523	50981579	Gmdrm	hypo	CG	-0.91
Gm15	51014114	51014147	Gmdrm	hypo	CG	-0.0417
Gm15	51014313	51014548	Gmdrm	hypo	CG	-0.9044
Gm15	51014659	51014728	Gmdrm	hypo	CG	-0.1733
Gm15	51014865	51015029	Gmdrm	hypo	CG	-0.5366
Gm15	51015280	51015573	Gmdrm	hypo	CG	-0.6592
Gm15	51022690	51022816	Gmdrm	hypo	CG	-0.84
Gm15	51023235	51023357	Gmdrm	hypo	CG	-0.56
Gm15	51025221	51025421	Gmdrm	hypo	CG	-0.05
Gm15	51050949	51050980	Gmdrm	hypo	CG	-0.0417
Gm15	51069248	51069299	Gmdrm	hypo	CG	-0.8612
Gm15	51082605	51082638	Gmdrm	hypo	CG	-0.0533
Gm15	51093296	51093396	Gmdrm	hypo	CG	-0.6387
Gm15	51109997	51110118	Gmdrm	hypo	CG	-0.785
Gm15	51110239	51110349	Gmdrm	hypo	CG	-0.9234
Gm15	51110456	51110549	Gmdrm	hypo	CG	-0.9266
Gm15	51128603	51128666	Gmdrm	hypo	CG	-0.722
Gm15	51147134	51147153	Gmdrm	hypo	CG	-0.0874
Gm15	51154074	51154691	Gmdrm	hypo	CG	-0.0257
Gm15	51158428	51158602	Gmdrm	hypo	CG	-0.868
Gm15	51162501	51162556	Gmdrm	hypo	CG	-0.815
Gm15	51162699	51162941	Gmdrm	hypo	CG	-0.9645
Gm15	51164997	51165094	Gmdrm	hypo	CG	-0.565
Gm15	51165305	51165405	Gmdrm	hypo	CG	-0.9883
Gm15	51165676	51165759	Gmdrm	hypo	CG	-0.969
Gm15	51171189	51171319	Gmdrm	hypo	CG	-0.95

Gm15	51236524	51236754	Gmdrm	hypo	CG	-0.035
Gm15	51248401	51248478	Gmdrm	hypo	CG	-0.9424
Gm15	51283418	51283538	Gmdrm	hypo	CG	-0.8329
Gm15	51287470	51287754	Gmdrm	hypo	CG	-0.6475
Gm15	51288552	51288692	Gmdrm	hypo	CG	-0.973
Gm15	51304890	51304953	Gmdrm	hypo	CG	-0.205
Gm15	51327221	51327342	Gmdrm	hypo	CG	-0.33
Gm15	51327540	51327678	Gmdrm	hypo	CG	-0.0392
Gm15	51367199	51367636	Gmdrm	hypo	CG	-0.0288
Gm15	51371496	51371727	Gmdrm	hypo	CG	-0.2854
Gm15	51372123	51372166	Gmdrm	hypo	CG	-0.8333
Gm15	51373894	51374040	Gmdrm	hypo	CG	-0.1534
Gm15	51374191	51374507	Gmdrm	hypo	CG	-0.042
Gm15	51374757	51374991	Gmdrm	hypo	CG	-0.2131
Gm15	51381102	51381567	Gmdrm	hypo	CG	-0.7577
Gm15	51382680	51382848	Gmdrm	hypo	CG	-0.115
Gm15	51426062	51426289	Gmdrm	hypo	CG	-0.063
Gm15	51450496	51450695	Gmdrm	hypo	CG	-0.1425
Gm15	51451859	51451986	Gmdrm	hypo	CG	-0.0855
Gm15	51469694	51469716	Gmdrm	hypo	CG	-0.8433
Gm15	51476399	51476578	Gmdrm	hypo	CG	-0.9663
Gm15	51483293	51483460	Gmdrm	hypo	CG	-0.0572
Gm15	51486311	51486572	Gmdrm	hypo	CG	-0.884
Gm15	51497149	51497462	Gmdrm	hypo	CG	-0.0705
Gm15	51503824	51504600	Gmdrm	hypo	CG	-0.0325
Gm15	51523217	51523700	Gmdrm	hypo	CG	-0.2983
Gm15	51555899	51556057	Gmdrm	hypo	CG	-0.7906
Gm15	51556167	51556273	Gmdrm	hypo	CG	-0.865
Gm15	51584433	51584725	Gmdrm	hypo	CG	-0.2563
Gm15	51584955	51585082	Gmdrm	hypo	CG	-0.4084
Gm15	51591938	51592115	Gmdrm	hypo	CG	-0.762
Gm15	51621399	51621566	Gmdrm	hypo	CG	-0.3433
Gm15	51654452	51654792	Gmdrm	hypo	CG	-0.0546
Gm15	51661461	51661504	Gmdrm	hypo	CG	-0.0516
Gm15	51704700	51704930	Gmdrm	hypo	CG	-0.5563
Gm15	51741450	51741656	Gmdrm	hypo	CG	-0.4125
Gm15	51742666	51743242	Gmdrm	hypo	CG	-0.4743
Gm15	51760829	51760922	Gmdrm	hypo	CG	-0.928
Gm15	51761214	51761241	Gmdrm	hypo	CG	-0.9717
Gm15	51763726	51763908	Gmdrm	hypo	CG	-0.839
Gm15	51792941	51792974	Gmdrm	hypo	CG	-0.8583
Gm15	51798375	51798689	Gmdrm	hypo	CG	-0.21
Gm15	51800113	51800408	Gmdrm	hypo	CG	-0.7862
Gm15	51811160	51811452	Gmdrm	hypo	CG	-0.864
Gm15	51819755	51819909	Gmdrm	hypo	CG	-0.048
Gm15	51850197	51850617	Gmdrm	hypo	CG	-0.19

Gm15	51872390	51872525	Gmdrm	hypo	CG	-0.7585
Gm15	51875632	51875761	Gmdrm	hypo	CG	-0.09
Gm15	51879344	51879633	Gmdrm	hypo	CG	-0.8256
Gm15	51905685	51905800	Gmdrm	hypo	CG	-0.25
Gm15	51906027	51906082	Gmdrm	hypo	CG	-0.31
Gm15	51940441	51940464	Gmdrm	hypo	CG	-0.1084
Gm15	51943799	51943900	Gmdrm	hypo	CG	-0.0416
Gm15	51987826	51987930	Gmdrm	hypo	CG	-0.2438
Gm15	51988140	51988272	Gmdrm	hypo	CG	-0.4067
Gm15	51990422	51990702	Gmdrm	hypo	CG	-0.3162
Gm15	52011459	52011661	Gmdrm	hypo	CG	-0.6064
Gm15	52018102	52018376	Gmdrm	hypo	CG	-0.4425
Gm15	52019216	52019578	Gmdrm	hypo	CG	-0.0489
Gm15	52029099	52029295	Gmdrm	hypo	CG	-0.855
Gm15	52042853	52042976	Gmdrm	hypo	CG	-0.9086
Gm15	52057520	52057829	Gmdrm	hypo	CG	-0.5586
Gm15	52067692	52067910	Gmdrm	hypo	CG	-0.77
Gm15	52068101	52068174	Gmdrm	hypo	CG	-0.7
Gm15	52068279	52068478	Gmdrm	hypo	CG	-0.6019
Gm15	52088402	52088504	Gmdrm	hypo	CG	-0.1314
Gm15	52088836	52088946	Gmdrm	hypo	CG	-0.511
Gm15	52093069	52093380	Gmdrm	hypo	CG	-0.2513
Gm15	52114002	52114122	Gmdrm	hypo	CG	-0.1534
Gm15	52137726	52137943	Gmdrm	hypo	CG	-0.359
Gm15	52138079	52138112	Gmdrm	hypo	CG	-0.2083
Gm15	52149440	52149645	Gmdrm	hypo	CG	-0.4525
Gm15	52149948	52150086	Gmdrm	hypo	CG	-0.039
Gm15	52169866	52169935	Gmdrm	hypo	CG	-0.3975
Gm15	52201681	52201732	Gmdrm	hypo	CG	-0.2262
Gm15	52225088	52225407	Gmdrm	hypo	CG	-0.3484
Gm15	52226608	52226970	Gmdrm	hypo	CG	-0.2694
Gm15	52228861	52229046	Gmdrm	hypo	CG	-0.815
Gm15	52231346	52231511	Gmdrm	hypo	CG	-0.7125
Gm15	52231664	52231766	Gmdrm	hypo	CG	-0.412
Gm15	52240856	52241016	Gmdrm	hypo	CG	-0.914
Gm15	52247864	52247974	Gmdrm	hypo	CG	-0.8538
Gm15	52257046	52257123	Gmdrm	hypo	CG	-0.6434
Gm15	52281201	52281383	Gmdrm	hypo	CG	-0.0482
Gm15	52321849	52321930	Gmdrm	hypo	CG	-0.1966
Gm15	52337192	52337349	Gmdrm	hypo	CG	-0.1711
Gm15	52341485	52341603	Gmdrm	hypo	CG	-0.5686
Gm15	52341761	52341936	Gmdrm	hypo	CG	-0.8287
Gm15	52351222	52351637	Gmdrm	hypo	CG	-0.7118
Gm15	52355819	52356068	Gmdrm	hypo	CG	-0.3642
Gm15	52356326	52356499	Gmdrm	hypo	CG	-0.0642
Gm15	52364653	52364782	Gmdrm	hypo	CG	-0.9414

Gm15	52382271	52382349	Gmdrm	hypo	CG	-0.1883
Gm15	52401622	52401708	Gmdrm	hypo	CG	-0.345
Gm15	52409725	52410063	Gmdrm	hypo	CG	-0.6716
Gm15	52415520	52415546	Gmdrm	hypo	CG	-0.575
Gm15	52415808	52415902	Gmdrm	hypo	CG	-0.5151
Gm15	52421392	52421616	Gmdrm	hypo	CG	-0.26
Gm15	52428639	52429121	Gmdrm	hypo	CG	-0.36
Gm15	52432466	52432696	Gmdrm	hypo	CG	-0.758
Gm15	52433137	52433221	Gmdrm	hypo	CG	-0.0713
Gm15	52434361	52435099	Gmdrm	hypo	CG	-0.2411
Gm15	52442286	52442489	Gmdrm	hypo	CG	-0.7059
Gm15	52473506	52473748	Gmdrm	hypo	CG	-0.162
Gm15	52474119	52474236	Gmdrm	hypo	CG	-0.485
Gm15	52507516	52507658	Gmdrm	hypo	CG	-0.179
Gm15	52518753	52519078	Gmdrm	hypo	CG	-0.7825
Gm15	52543222	52543303	Gmdrm	hypo	CG	-0.8617
Gm15	52552114	52552563	Gmdrm	hypo	CG	-0.8605
Gm15	52556813	52557068	Gmdrm	hypo	CG	-0.5421
Gm15	52557218	52557515	Gmdrm	hypo	CG	-0.265
Gm15	52563969	52564083	Gmdrm	hypo	CG	-0.945
Gm15	52564421	52564543	Gmdrm	hypo	CG	-0.4587
Gm15	52564683	52564749	Gmdrm	hypo	CG	-0.4166
Gm15	52595885	52595981	Gmdrm	hypo	CG	-0.7788
Gm15	52614133	52614228	Gmdrm	hypo	CG	-0.3799
Gm15	52634080	52634156	Gmdrm	hypo	CG	-0.2025
Gm15	52655236	52655429	Gmdrm	hypo	CG	-0.3792
Gm15	52655593	52655736	Gmdrm	hypo	CG	-0.7217
Gm15	52677485	52677610	Gmdrm	hypo	CG	-0.04
Gm15	52678414	52678615	Gmdrm	hypo	CG	-0.4792
Gm15	52678716	52678962	Gmdrm	hypo	CG	-0.4633
Gm15	52688009	52688128	Gmdrm	hypo	CG	-0.736
Gm15	52689553	52689758	Gmdrm	hypo	CG	-0.4913
Gm15	52692716	52692751	Gmdrm	hypo	CG	-0.12
Gm15	52693945	52694092	Gmdrm	hypo	CG	-0.1774
Gm15	52694687	52694837	Gmdrm	hypo	CG	-0.3014
Gm15	52695296	52695395	Gmdrm	hypo	CG	-0.4689
Gm15	52704384	52704621	Gmdrm	hypo	CG	-0.2394
Gm15	52712813	52712924	Gmdrm	hypo	CG	-0.6605
Gm15	52713869	52713904	Gmdrm	hypo	CG	-0.8734
Gm15	52714208	52714313	Gmdrm	hypo	CG	-0.2266
Gm15	52714436	52714542	Gmdrm	hypo	CG	-0.1925
Gm15	52714712	52714862	Gmdrm	hypo	CG	-0.09
Gm15	52733503	52733579	Gmdrm	hypo	CG	-0.3467
Gm15	52744657	52745145	Gmdrm	hypo	CG	-0.0689
Gm15	52777604	52777790	Gmdrm	hypo	CG	-0.425
Gm15	52778407	52778523	Gmdrm	hypo	CG	-0.58

Gm15	52789306	52789399	Gmdrm	hypo	CG	-0.5133
Gm15	52791144	52791363	Gmdrm	hypo	CG	-0.57
Gm15	52817609	52817794	Gmdrm	hypo	CG	-0.6575
Gm15	52819269	52819429	Gmdrm	hypo	CG	-0.7375
Gm15	52819875	52820005	Gmdrm	hypo	CG	-0.9433
Gm15	52871846	52872228	Gmdrm	hypo	CG	-0.265
Gm15	52873365	52873437	Gmdrm	hypo	CG	-0.0717
Gm15	52926403	52926582	Gmdrm	hypo	CG	-0.5386
Gm15	52927665	52927758	Gmdrm	hypo	CG	-0.6066
Gm15	52934068	52934127	Gmdrm	hypo	CG	-0.7983
Gm15	52942157	52942273	Gmdrm	hypo	CG	-0.8017
Gm15	52942481	52942630	Gmdrm	hypo	CG	-0.5723
Gm15	52952409	52953044	Gmdrm	hypo	CG	-0.6224
Gm15	52959737	52960006	Gmdrm	hypo	CG	-0.7522
Gm15	52961140	52961251	Gmdrm	hypo	CG	-0.0534
Gm15	52978300	52978517	Gmdrm	hypo	CG	-0.039
Gm15	52986092	52986148	Gmdrm	hypo	CG	-0.772
Gm15	52986607	52986717	Gmdrm	hypo	CG	-0.9434
Gm15	52992162	52992226	Gmdrm	hypo	CG	-0.7614
Gm15	52995414	52995582	Gmdrm	hypo	CG	-0.0484
Gm15	52997132	52997324	Gmdrm	hypo	CG	-0.118
Gm15	53012217	53012271	Gmdrm	hypo	CG	-0.6063
Gm15	53016387	53016522	Gmdrm	hypo	CG	-0.54
Gm15	53034486	53034582	Gmdrm	hypo	CG	-0.9066
Gm15	53080583	53080745	Gmdrm	hypo	CG	-0.072
Gm15	53110420	53110677	Gmdrm	hypo	CG	-0.0395
Gm15	53116389	53116680	Gmdrm	hypo	CG	-0.2067
Gm15	53160585	53160592	Gmdrm	hypo	CG	-0.9217
Gm15	53160824	53161237	Gmdrm	hypo	CG	-0.375
Gm15	53167271	53167397	Gmdrm	hypo	CG	-0.6633
Gm15	53182375	53182534	Gmdrm	hypo	CG	-0.528
Gm15	53196248	53196517	Gmdrm	hypo	CG	-0.13
Gm15	53200782	53201059	Gmdrm	hypo	CG	-0.0644
Gm15	53201296	53201436	Gmdrm	hypo	CG	-0.0725
Gm15	53202533	53202687	Gmdrm	hypo	CG	-0.8534
Gm15	53204103	53204216	Gmdrm	hypo	CG	-0.5014
Gm15	53206442	53206594	Gmdrm	hypo	CG	-0.7988
Gm15	53207911	53208042	Gmdrm	hypo	CG	-0.5316
Gm15	53212979	53213085	Gmdrm	hypo	CG	-0.7534
Gm15	53213624	53213674	Gmdrm	hypo	CG	-0.245
Gm15	53229062	53229286	Gmdrm	hypo	CG	-0.485
Gm15	53236668	53236899	Gmdrm	hypo	CG	-0.048
Gm15	53240789	53240864	Gmdrm	hypo	CG	-0.175
Gm15	53287889	53287981	Gmdrm	hypo	CG	-0.5533
Gm15	53340417	53340519	Gmdrm	hypo	CG	-0.1083
Gm15	53340621	53340845	Gmdrm	hypo	CG	-0.108

Gm15	53353164	53353324	Gmdrm	hypo	CG	-0.4114
Gm15	53354950	53355125	Gmdrm	hypo	CG	-0.0708
Gm15	53389399	53389774	Gmdrm	hypo	CG	-0.2632
Gm15	53398761	53398965	Gmdrm	hypo	CG	-0.912
Gm15	53405698	53405872	Gmdrm	hypo	CG	-0.0675
Gm15	53422604	53422836	Gmdrm	hypo	CG	-0.0861
Gm15	53423249	53423323	Gmdrm	hypo	CG	-0.4466
Gm15	53495631	53495707	Gmdrm	hypo	CG	-0.17
Gm15	53497219	53497563	Gmdrm	hypo	CG	-0.3757
Gm15	53508369	53508555	Gmdrm	hypo	CG	-0.27
Gm15	53517387	53517650	Gmdrm	hypo	CG	-0.6025
Gm15	53517987	53518354	Gmdrm	hypo	CG	-0.7947
Gm15	53636809	53636935	Gmdrm	hypo	CG	-0.0566
Gm15	53651463	53651533	Gmdrm	hypo	CG	-0.5417
Gm15	53704533	53704590	Gmdrm	hypo	CG	-0.3371
Gm15	53727677	53727872	Gmdrm	hypo	CG	-0.1293
Gm15_scaffo	10487	10905	Gmdrm	hypo	CG	-0.31
Gm16	13048	13159	Gmdrm	hypo	CG	-0.135
Gm16	87554	87587	Gmdrm	hypo	CG	-0.2617
Gm16	110873	111020	Gmdrm	hypo	CG	-0.4138
Gm16	135158	135340	Gmdrm	hypo	CG	-0.0563
Gm16	143598	143843	Gmdrm	hypo	CG	-0.6534
Gm16	144600	144788	Gmdrm	hypo	CG	-0.7474
Gm16	146639	146733	Gmdrm	hypo	CG	-0.895
Gm16	147584	147776	Gmdrm	hypo	CG	-0.8136
Gm16	160484	160517	Gmdrm	hypo	CG	-0.096
Gm16	160833	161144	Gmdrm	hypo	CG	-0.6344
Gm16	163398	163556	Gmdrm	hypo	CG	-0.8422
Gm16	163660	163684	Gmdrm	hypo	CG	-0.8434
Gm16	179434	179635	Gmdrm	hypo	CG	-0.9687
Gm16	179868	179943	Gmdrm	hypo	CG	-0.036
Gm16	194097	194226	Gmdrm	hypo	CG	-0.9583
Gm16	194677	194815	Gmdrm	hypo	CG	-0.87
Gm16	210841	210926	Gmdrm	hypo	CG	-0.0316
Gm16	219596	219678	Gmdrm	hypo	CG	-0.748
Gm16	245466	245633	Gmdrm	hypo	CG	-0.835
Gm16	245741	245790	Gmdrm	hypo	CG	-0.285
Gm16	252777	252929	Gmdrm	hypo	CG	-0.6633
Gm16	262166	262442	Gmdrm	hypo	CG	-0.265
Gm16	267803	267900	Gmdrm	hypo	CG	-0.855
Gm16	328876	329075	Gmdrm	hypo	CG	-0.1967
Gm16	351140	351298	Gmdrm	hypo	CG	-0.747
Gm16	353610	353722	Gmdrm	hypo	CG	-0.8688
Gm16	398468	398508	Gmdrm	hypo	CG	-0.06
Gm16	413190	413280	Gmdrm	hypo	CG	-0.0717
Gm16	415358	415393	Gmdrm	hypo	CG	-0.1383

Gm16	437466	437577	Gmdrm	hypo	CG	-0.8167
Gm16	437783	437894	Gmdrm	hypo	CG	-0.0986
Gm16	440602	440808	Gmdrm	hypo	CG	-0.7717
Gm16	442976	443093	Gmdrm	hypo	CG	-0.026
Gm16	469043	469305	Gmdrm	hypo	CG	-0.2937
Gm16	482640	482775	Gmdrm	hypo	CG	-0.7748
Gm16	491254	491405	Gmdrm	hypo	CG	-0.0551
Gm16	541271	541394	Gmdrm	hypo	CG	-0.048
Gm16	564911	565053	Gmdrm	hypo	CG	-0.8858
Gm16	565174	565458	Gmdrm	hypo	CG	-0.8088
Gm16	611017	611118	Gmdrm	hypo	CG	-0.844
Gm16	618612	618654	Gmdrm	hypo	CG	-0.6517
Gm16	639343	639485	Gmdrm	hypo	CG	-0.9588
Gm16	661959	662066	Gmdrm	hypo	CG	-0.9387
Gm16	672424	672656	Gmdrm	hypo	CG	-0.3585
Gm16	673316	673377	Gmdrm	hypo	CG	-0.1751
Gm16	673500	673602	Gmdrm	hypo	CG	-0.512
Gm16	690787	690842	Gmdrm	hypo	CG	-0.9738
Gm16	696138	696308	Gmdrm	hypo	CG	-0.5475
Gm16	696630	696712	Gmdrm	hypo	CG	-0.6583
Gm16	729983	730216	Gmdrm	hypo	CG	-0.201
Gm16	737402	737440	Gmdrm	hypo	CG	-0.56
Gm16	748133	748494	Gmdrm	hypo	CG	-0.81
Gm16	749856	749924	Gmdrm	hypo	CG	-0.87
Gm16	760987	761226	Gmdrm	hypo	CG	-0.7525
Gm16	761356	761461	Gmdrm	hypo	CG	-0.6183
Gm16	761600	761719	Gmdrm	hypo	CG	-0.6207
Gm16	769229	769358	Gmdrm	hypo	CG	-0.955
Gm16	783970	784109	Gmdrm	hypo	CG	-0.457
Gm16	784263	784334	Gmdrm	hypo	CG	-0.679
Gm16	814820	814907	Gmdrm	hypo	CG	-0.5375
Gm16	830381	830683	Gmdrm	hypo	CG	-0.4839
Gm16	841040	841282	Gmdrm	hypo	CG	-0.2365
Gm16	859488	859732	Gmdrm	hypo	CG	-0.4466
Gm16	890051	890132	Gmdrm	hypo	CG	-0.7637
Gm16	895286	895391	Gmdrm	hypo	CG	-0.5287
Gm16	916364	916580	Gmdrm	hypo	CG	-0.8667
Gm16	925916	926000	Gmdrm	hypo	CG	-0.048
Gm16	926249	926339	Gmdrm	hypo	CG	-0.4
Gm16	972885	973119	Gmdrm	hypo	CG	-0.6993
Gm16	973259	973355	Gmdrm	hypo	CG	-0.7933
Gm16	988205	988295	Gmdrm	hypo	CG	-0.2687
Gm16	998348	998462	Gmdrm	hypo	CG	-0.695
Gm16	1002769	1002830	Gmdrm	hypo	CG	-0.7234
Gm16	1008462	1008638	Gmdrm	hypo	CG	-0.5858
Gm16	1032465	1032594	Gmdrm	hypo	CG	-0.8687

Gm16	1062944	1063126 Gmdrm	hypo	CG	-0.0417
Gm16	1086733	1086849 Gmdrm	hypo	CG	-0.1487
Gm16	1087067	1087354 Gmdrm	hypo	CG	-0.2758
Gm16	1087771	1088022 Gmdrm	hypo	CG	-0.887
Gm16	1088132	1088304 Gmdrm	hypo	CG	-0.966
Gm16	1141288	1141436 Gmdrm	hypo	CG	-0.797
Gm16	1177054	1177201 Gmdrm	hypo	CG	-0.7717
Gm16	1246684	1247004 Gmdrm	hypo	CG	-0.6005
Gm16	1254530	1254801 Gmdrm	hypo	CG	-0.0267
Gm16	1271136	1271215 Gmdrm	hypo	CG	-0.8
Gm16	1272153	1272258 Gmdrm	hypo	CG	-0.9058
Gm16	1272513	1272811 Gmdrm	hypo	CG	-0.8843
Gm16	1275480	1275806 Gmdrm	hypo	CG	-0.45
Gm16	1277962	1278084 Gmdrm	hypo	CG	-0.8392
Gm16	1285379	1285925 Gmdrm	hypo	CG	-0.0495
Gm16	1307129	1307273 Gmdrm	hypo	CG	-0.7166
Gm16	1348840	1349210 Gmdrm	hypo	CG	-0.6463
Gm16	1357981	1358065 Gmdrm	hypo	CG	-0.4371
Gm16	1360417	1360461 Gmdrm	hypo	CG	-0.9417
Gm16	1372925	1372985 Gmdrm	hypo	CG	-0.6833
Gm16	1388945	1389071 Gmdrm	hypo	CG	-0.0729
Gm16	1415181	1415278 Gmdrm	hypo	CG	-0.725
Gm16	1417288	1417546 Gmdrm	hypo	CG	-0.6645
Gm16	1419825	1419993 Gmdrm	hypo	CG	-0.5387
Gm16	1432666	1432886 Gmdrm	hypo	CG	-0.8136
Gm16	1433744	1433781 Gmdrm	hypo	CG	-0.505
Gm16	1477788	1477840 Gmdrm	hypo	CG	-0.7217
Gm16	1477941	1478064 Gmdrm	hypo	CG	-0.9767
Gm16	1493122	1493306 Gmdrm	hypo	CG	-0.5566
Gm16	1530910	1531163 Gmdrm	hypo	CG	-0.908
Gm16	1531618	1531690 Gmdrm	hypo	CG	-0.7476
Gm16	1535247	1535340 Gmdrm	hypo	CG	-0.456
Gm16	1537260	1537619 Gmdrm	hypo	CG	-0.555
Gm16	1539308	1539601 Gmdrm	hypo	CG	-0.6465
Gm16	1539748	1539824 Gmdrm	hypo	CG	-0.7367
Gm16	1540132	1540254 Gmdrm	hypo	CG	-0.7067
Gm16	1562503	1562700 Gmdrm	hypo	CG	-0.0771
Gm16	1581296	1581495 Gmdrm	hypo	CG	-0.3989
Gm16	1586864	1586980 Gmdrm	hypo	CG	-0.052
Gm16	1588143	1588281 Gmdrm	hypo	CG	-0.8884
Gm16	1600485	1600507 Gmdrm	hypo	CG	-0.305
Gm16	1628677	1628723 Gmdrm	hypo	CG	-0.605
Gm16	1646896	1647026 Gmdrm	hypo	CG	-0.7062
Gm16	1647335	1647444 Gmdrm	hypo	CG	-0.7317
Gm16	1669422	1669761 Gmdrm	hypo	CG	-0.0417
Gm16	1684205	1684318 Gmdrm	hypo	CG	-0.038

Gm16	1698418	1698752	Gmdrm	hypo	CG	-0.4915
Gm16	1709249	1709756	Gmdrm	hypo	CG	-0.0233
Gm16	1711567	1711848	Gmdrm	hypo	CG	-0.1577
Gm16	1749810	1749968	Gmdrm	hypo	CG	-0.7388
Gm16	1752301	1752356	Gmdrm	hypo	CG	-0.368
Gm16	1761906	1762130	Gmdrm	hypo	CG	-0.7383
Gm16	1777445	1777556	Gmdrm	hypo	CG	-0.2617
Gm16	1778068	1778263	Gmdrm	hypo	CG	-0.1
Gm16	1787681	1787804	Gmdrm	hypo	CG	-0.7633
Gm16	1788552	1788973	Gmdrm	hypo	CG	-0.7444
Gm16	1790382	1790497	Gmdrm	hypo	CG	-0.824
Gm16	1803678	1803867	Gmdrm	hypo	CG	-0.5145
Gm16	1813313	1813485	Gmdrm	hypo	CG	-0.1636
Gm16	1829578	1829779	Gmdrm	hypo	CG	-0.5037
Gm16	1830245	1830631	Gmdrm	hypo	CG	-0.1254
Gm16	1835008	1835101	Gmdrm	hypo	CG	-0.118
Gm16	1850958	1851110	Gmdrm	hypo	CG	-0.515
Gm16	1851641	1851742	Gmdrm	hypo	CG	-0.4824
Gm16	1855110	1855524	Gmdrm	hypo	CG	-0.51
Gm16	1857073	1857171	Gmdrm	hypo	CG	-0.905
Gm16	1872050	1872252	Gmdrm	hypo	CG	-0.6125
Gm16	1909464	1909492	Gmdrm	hypo	CG	-0.705
Gm16	1910648	1910700	Gmdrm	hypo	CG	-0.5633
Gm16	1935433	1935557	Gmdrm	hypo	CG	-0.044
Gm16	1936111	1936328	Gmdrm	hypo	CG	-0.84
Gm16	1936541	1936818	Gmdrm	hypo	CG	-0.8833
Gm16	1942140	1942412	Gmdrm	hypo	CG	-0.7157
Gm16	1956714	1956962	Gmdrm	hypo	CG	-0.6614
Gm16	1961026	1961083	Gmdrm	hypo	CG	-0.161
Gm16	1971583	1971620	Gmdrm	hypo	CG	-0.3883
Gm16	1989269	1989312	Gmdrm	hypo	CG	-0.48
Gm16	2039562	2039896	Gmdrm	hypo	CG	-0.0274
Gm16	2059657	2059825	Gmdrm	hypo	CG	-0.936
Gm16	2060643	2060736	Gmdrm	hypo	CG	-0.7138
Gm16	2147571	2147876	Gmdrm	hypo	CG	-0.8027
Gm16	2159479	2159756	Gmdrm	hypo	CG	-0.4836
Gm16	2159896	2160204	Gmdrm	hypo	CG	-0.2107
Gm16	2162846	2162895	Gmdrm	hypo	CG	-0.3516
Gm16	2188799	2188898	Gmdrm	hypo	CG	-0.8116
Gm16	2194534	2194569	Gmdrm	hypo	CG	-0.355
Gm16	2231343	2231472	Gmdrm	hypo	CG	-0.1712
Gm16	2238213	2238264	Gmdrm	hypo	CG	-0.0486
Gm16	2239117	2239356	Gmdrm	hypo	CG	-0.07
Gm16	2239785	2239977	Gmdrm	hypo	CG	-0.39
Gm16	2253958	2254053	Gmdrm	hypo	CG	-0.99
Gm16	2254326	2254455	Gmdrm	hypo	CG	-0.822

Gm16	2261509	2262024	Gmdrm	hypo	CG	-0.0527
Gm16	2281648	2282157	Gmdrm	hypo	CG	-0.5847
Gm16	2284762	2284870	Gmdrm	hypo	CG	-0.9049
Gm16	2285302	2285521	Gmdrm	hypo	CG	-0.2513
Gm16	2286535	2286774	Gmdrm	hypo	CG	-0.1929
Gm16	2387042	2387084	Gmdrm	hypo	CG	-0.76
Gm16	2394674	2394815	Gmdrm	hypo	CG	-0.507
Gm16	2410057	2410257	Gmdrm	hypo	CG	-0.6423
Gm16	2412522	2413035	Gmdrm	hypo	CG	-0.0287
Gm16	2440813	2440995	Gmdrm	hypo	CG	-0.592
Gm16	2512276	2512338	Gmdrm	hypo	CG	-0.5417
Gm16	2513035	2513061	Gmdrm	hypo	CG	-0.8566
Gm16	2513162	2513387	Gmdrm	hypo	CG	-0.8912
Gm16	2524401	2524472	Gmdrm	hypo	CG	-0.8417
Gm16	2525125	2525254	Gmdrm	hypo	CG	-0.675
Gm16	2525510	2525736	Gmdrm	hypo	CG	-0.486
Gm16	2540414	2540432	Gmdrm	hypo	CG	-0.9167
Gm16	2540609	2540747	Gmdrm	hypo	CG	-0.69
Gm16	2540865	2541220	Gmdrm	hypo	CG	-0.4836
Gm16	2554965	2555036	Gmdrm	hypo	CG	-0.4317
Gm16	2597218	2597486	Gmdrm	hypo	CG	-0.4996
Gm16	2609598	2609652	Gmdrm	hypo	CG	-0.3175
Gm16	2609786	2610012	Gmdrm	hypo	CG	-0.5086
Gm16	2634719	2634772	Gmdrm	hypo	CG	-0.9867
Gm16	2662026	2662128	Gmdrm	hypo	CG	-0.9
Gm16	2679810	2680378	Gmdrm	hypo	CG	-0.7606
Gm16	2703416	2703455	Gmdrm	hypo	CG	-0.915
Gm16	2709392	2709457	Gmdrm	hypo	CG	-0.0314
Gm16	2722300	2722455	Gmdrm	hypo	CG	-0.164
Gm16	2749197	2749276	Gmdrm	hypo	CG	-0.3867
Gm16	2749631	2749734	Gmdrm	hypo	CG	-0.3983
Gm16	2764017	2764115	Gmdrm	hypo	CG	-0.8883
Gm16	2766489	2766594	Gmdrm	hypo	CG	-0.95
Gm16	2800156	2800332	Gmdrm	hypo	CG	-0.8071
Gm16	2800453	2800761	Gmdrm	hypo	CG	-0.886
Gm16	2809732	2810242	Gmdrm	hypo	CG	-0.3828
Gm16	2835635	2835740	Gmdrm	hypo	CG	-0.744
Gm16	2836079	2836134	Gmdrm	hypo	CG	-0.695
Gm16	2836469	2836694	Gmdrm	hypo	CG	-0.8343
Gm16	2861969	2862006	Gmdrm	hypo	CG	-0.7334
Gm16	2875171	2875766	Gmdrm	hypo	CG	-0.3931
Gm16	2882316	2882579	Gmdrm	hypo	CG	-0.0981
Gm16	2900893	2901207	Gmdrm	hypo	CG	-0.02
Gm16	2920682	2920975	Gmdrm	hypo	CG	-0.8363
Gm16	2930953	2931196	Gmdrm	hypo	CG	-0.6346
Gm16	2931343	2931777	Gmdrm	hypo	CG	-0.8239

Gm16	2952749	2953024	Gmdrm	hypo	CG	-0.4428
Gm16	2978796	2978941	Gmdrm	hypo	CG	-0.3208
Gm16	2985619	2985679	Gmdrm	hypo	CG	-0.044
Gm16	3011643	3011742	Gmdrm	hypo	CG	-0.9667
Gm16	3023632	3023695	Gmdrm	hypo	CG	-0.03
Gm16	3025470	3025745	Gmdrm	hypo	CG	-0.2308
Gm16	3025867	3026003	Gmdrm	hypo	CG	-0.2183
Gm16	3026215	3026370	Gmdrm	hypo	CG	-0.5238
Gm16	3032311	3032695	Gmdrm	hypo	CG	-0.2461
Gm16	3046941	3047099	Gmdrm	hypo	CG	-0.9338
Gm16	3047219	3047293	Gmdrm	hypo	CG	-0.9587
Gm16	3056093	3056257	Gmdrm	hypo	CG	-0.8367
Gm16	3079444	3079571	Gmdrm	hypo	CG	-0.12
Gm16	3107676	3107711	Gmdrm	hypo	CG	-0.065
Gm16	3109347	3109518	Gmdrm	hypo	CG	-0.4119
Gm16	3149355	3149707	Gmdrm	hypo	CG	-0.5204
Gm16	3181306	3181351	Gmdrm	hypo	CG	-0.275
Gm16	3188586	3188640	Gmdrm	hypo	CG	-0.705
Gm16	3212775	3212952	Gmdrm	hypo	CG	-0.0289
Gm16	3234208	3234277	Gmdrm	hypo	CG	-0.535
Gm16	3247259	3247403	Gmdrm	hypo	CG	-0.05
Gm16	3267420	3267483	Gmdrm	hypo	CG	-0.565
Gm16	3268178	3268304	Gmdrm	hypo	CG	-0.9725
Gm16	3283766	3283814	Gmdrm	hypo	CG	-0.724
Gm16	3291256	3291415	Gmdrm	hypo	CG	-0.3384
Gm16	3293510	3293641	Gmdrm	hypo	CG	-0.538
Gm16	3316208	3316267	Gmdrm	hypo	CG	-0.8966
Gm16	3324954	3325152	Gmdrm	hypo	CG	-0.4988
Gm16	3328498	3328629	Gmdrm	hypo	CG	-0.4763
Gm16	3345644	3345672	Gmdrm	hypo	CG	-0.07
Gm16	3346509	3346798	Gmdrm	hypo	CG	-0.5335
Gm16	3348108	3348227	Gmdrm	hypo	CG	-0.4026
Gm16	3348980	3349056	Gmdrm	hypo	CG	-0.11
Gm16	3358086	3358311	Gmdrm	hypo	CG	-0.03
Gm16	3377073	3377293	Gmdrm	hypo	CG	-0.9023
Gm16	3453576	3453624	Gmdrm	hypo	CG	-0.5717
Gm16	3456206	3456368	Gmdrm	hypo	CG	-0.7917
Gm16	3457178	3457276	Gmdrm	hypo	CG	-0.871
Gm16	3473559	3473665	Gmdrm	hypo	CG	-0.875
Gm16	3473949	3474012	Gmdrm	hypo	CG	-0.1386
Gm16	3475148	3475296	Gmdrm	hypo	CG	-0.1683
Gm16	3484822	3484905	Gmdrm	hypo	CG	-0.9576
Gm16	3515448	3515519	Gmdrm	hypo	CG	-0.885
Gm16	3523427	3523547	Gmdrm	hypo	CG	-0.605
Gm16	3549249	3549277	Gmdrm	hypo	CG	-0.9766
Gm16	3549398	3550128	Gmdrm	hypo	CG	-0.1634

Gm16	3555821	3555927	Gmdrm	hypo	CG	-0.9175
Gm16	3557351	3557388	Gmdrm	hypo	CG	-0.938
Gm16	3572609	3572762	Gmdrm	hypo	CG	-0.0443
Gm16	3589311	3589846	Gmdrm	hypo	CG	-0.1266
Gm16	3619257	3619319	Gmdrm	hypo	CG	-0.025
Gm16	3661722	3661903	Gmdrm	hypo	CG	-0.3015
Gm16	3662343	3662483	Gmdrm	hypo	CG	-0.3113
Gm16	3662612	3662899	Gmdrm	hypo	CG	-0.6734
Gm16	3684267	3684471	Gmdrm	hypo	CG	-0.9669
Gm16	3698235	3698312	Gmdrm	hypo	CG	-0.808
Gm16	3710616	3710762	Gmdrm	hypo	CG	-0.915
Gm16	3717522	3717795	Gmdrm	hypo	CG	-0.4311
Gm16	3759581	3759739	Gmdrm	hypo	CG	-0.9059
Gm16	3785255	3785391	Gmdrm	hypo	CG	-0.789
Gm16	3827849	3827895	Gmdrm	hypo	CG	-0.9317
Gm16	3828468	3828587	Gmdrm	hypo	CG	-0.825
Gm16	3829328	3829551	Gmdrm	hypo	CG	-0.065
Gm16	3834101	3834204	Gmdrm	hypo	CG	-0.625
Gm16	3834699	3834846	Gmdrm	hypo	CG	-0.8833
Gm16	3847353	3847460	Gmdrm	hypo	CG	-0.0825
Gm16	3857893	3857946	Gmdrm	hypo	CG	-0.1883
Gm16	3868659	3868782	Gmdrm	hypo	CG	-0.6199
Gm16	3894985	3895100	Gmdrm	hypo	CG	-0.5637
Gm16	3915097	3915128	Gmdrm	hypo	CG	-0.482
Gm16	3938855	3939147	Gmdrm	hypo	CG	-0.8195
Gm16	3947652	3947763	Gmdrm	hypo	CG	-0.57
Gm16	3972868	3972957	Gmdrm	hypo	CG	-0.49
Gm16	3982349	3982471	Gmdrm	hypo	CG	-0.5967
Gm16	3985504	3985794	Gmdrm	hypo	CG	-0.1691
Gm16	4023850	4023974	Gmdrm	hypo	CG	-0.9433
Gm16	4065770	4065833	Gmdrm	hypo	CG	-0.8863
Gm16	4066379	4066785	Gmdrm	hypo	CG	-0.5283
Gm16	4071163	4071200	Gmdrm	hypo	CG	-0.8716
Gm16	4098281	4098379	Gmdrm	hypo	CG	-0.41
Gm16	4098555	4098692	Gmdrm	hypo	CG	-0.4767
Gm16	4099288	4099529	Gmdrm	hypo	CG	-0.0757
Gm16	4124087	4124181	Gmdrm	hypo	CG	-0.395
Gm16	4135594	4135620	Gmdrm	hypo	CG	-0.038
Gm16	4135722	4135888	Gmdrm	hypo	CG	-0.4787
Gm16	4136524	4136672	Gmdrm	hypo	CG	-0.6651
Gm16	4163947	4164034	Gmdrm	hypo	CG	-0.7817
Gm16	4180752	4180945	Gmdrm	hypo	CG	-0.6238
Gm16	4223109	4223198	Gmdrm	hypo	CG	-0.04
Gm16	4231416	4231523	Gmdrm	hypo	CG	-0.735
Gm16	4231892	4232041	Gmdrm	hypo	CG	-0.2113
Gm16	4233074	4233219	Gmdrm	hypo	CG	-0.1245

Gm16	4250817	4250926 Gmdrm	hypo	CG	-0.56
Gm16	4258497	4258601 Gmdrm	hypo	CG	-0.7617
Gm16	4298650	4298768 Gmdrm	hypo	CG	-0.575
Gm16	4306812	4307017 Gmdrm	hypo	CG	-0.1469
Gm16	4341759	4341897 Gmdrm	hypo	CG	-0.3514
Gm16	4386091	4386493 Gmdrm	hypo	CG	-0.6476
Gm16	4406464	4406800 Gmdrm	hypo	CG	-0.168
Gm16	4411269	4411400 Gmdrm	hypo	CG	-0.5
Gm16	4411996	4412032 Gmdrm	hypo	CG	-0.6716
Gm16	4412215	4412292 Gmdrm	hypo	CG	-0.176
Gm16	4435782	4435981 Gmdrm	hypo	CG	-0.1966
Gm16	4436405	4436515 Gmdrm	hypo	CG	-0.5817
Gm16	4436622	4436756 Gmdrm	hypo	CG	-0.3466
Gm16	4436873	4437219 Gmdrm	hypo	CG	-0.2063
Gm16	4437342	4437681 Gmdrm	hypo	CG	-0.0814
Gm16	4437887	4437997 Gmdrm	hypo	CG	-0.31
Gm16	4438234	4438413 Gmdrm	hypo	CG	-0.5191
Gm16	4439222	4439376 Gmdrm	hypo	CG	-0.3763
Gm16	4439652	4439765 Gmdrm	hypo	CG	-0.522
Gm16	4473752	4473860 Gmdrm	hypo	CG	-0.523
Gm16	4484300	4484534 Gmdrm	hypo	CG	-0.8021
Gm16	4501006	4501176 Gmdrm	hypo	CG	-0.922
Gm16	4501594	4501670 Gmdrm	hypo	CG	-0.4162
Gm16	4503503	4503607 Gmdrm	hypo	CG	-0.038
Gm16	4511800	4511996 Gmdrm	hypo	CG	-0.7775
Gm16	4515705	4515917 Gmdrm	hypo	CG	-0.0785
Gm16	4521061	4521311 Gmdrm	hypo	CG	-0.75
Gm16	4521935	4522321 Gmdrm	hypo	CG	-0.0633
Gm16	4541861	4542062 Gmdrm	hypo	CG	-0.4491
Gm16	4552081	4552324 Gmdrm	hypo	CG	-0.495
Gm16	4552887	4552908 Gmdrm	hypo	CG	-0.4184
Gm16	4599999	4600246 Gmdrm	hypo	CG	-0.0404
Gm16	4604552	4604792 Gmdrm	hypo	CG	-0.5575
Gm16	4605070	4605116 Gmdrm	hypo	CG	-0.18
Gm16	4616608	4616741 Gmdrm	hypo	CG	-0.2328
Gm16	4617360	4617521 Gmdrm	hypo	CG	-0.2071
Gm16	4634386	4634625 Gmdrm	hypo	CG	-0.125
Gm16	4639586	4639844 Gmdrm	hypo	CG	-0.0491
Gm16	4642235	4642369 Gmdrm	hypo	CG	-0.1044
Gm16	4643015	4643157 Gmdrm	hypo	CG	-0.1443
Gm16	4644040	4644132 Gmdrm	hypo	CG	-0.48
Gm16	4647898	4648138 Gmdrm	hypo	CG	-0.5414
Gm16	4655669	4655801 Gmdrm	hypo	CG	-0.9644
Gm16	4662195	4662331 Gmdrm	hypo	CG	-0.5162
Gm16	4671117	4671173 Gmdrm	hypo	CG	-0.759
Gm16	4671857	4671996 Gmdrm	hypo	CG	-0.5363

Gm16	4672338	4672539	Gmdrm	hypo	CG	-0.3021
Gm16	4705360	4705505	Gmdrm	hypo	CG	-0.8975
Gm16	4709194	4709472	Gmdrm	hypo	CG	-0.8524
Gm16	4709830	4710065	Gmdrm	hypo	CG	-0.7144
Gm16	4737839	4737872	Gmdrm	hypo	CG	-0.05
Gm16	4769060	4769106	Gmdrm	hypo	CG	-0.558
Gm16	4778297	4778363	Gmdrm	hypo	CG	-0.7883
Gm16	4781602	4781879	Gmdrm	hypo	CG	-0.6663
Gm16	4782145	4782364	Gmdrm	hypo	CG	-0.6608
Gm16	4787112	4787424	Gmdrm	hypo	CG	-0.2791
Gm16	4793914	4793987	Gmdrm	hypo	CG	-0.9617
Gm16	4794101	4794114	Gmdrm	hypo	CG	-0.9767
Gm16	4794628	4794869	Gmdrm	hypo	CG	-0.445
Gm16	4801186	4801490	Gmdrm	hypo	CG	-0.3784
Gm16	4801937	4802152	Gmdrm	hypo	CG	-0.4033
Gm16	4843516	4843597	Gmdrm	hypo	CG	-0.615
Gm16	4858461	4858704	Gmdrm	hypo	CG	-0.7907
Gm16	4875360	4875468	Gmdrm	hypo	CG	-0.6283
Gm16	4876863	4876945	Gmdrm	hypo	CG	-0.9117
Gm16	4885323	4885466	Gmdrm	hypo	CG	-0.9383
Gm16	4887573	4887741	Gmdrm	hypo	CG	-0.4008
Gm16	4887991	4888217	Gmdrm	hypo	CG	-0.1194
Gm16	4889550	4889823	Gmdrm	hypo	CG	-0.0856
Gm16	4890172	4890362	Gmdrm	hypo	CG	-0.8599
Gm16	4891195	4891379	Gmdrm	hypo	CG	-0.923
Gm16	4907417	4907469	Gmdrm	hypo	CG	-0.0683
Gm16	4908401	4908543	Gmdrm	hypo	CG	-0.2642
Gm16	4924661	4924773	Gmdrm	hypo	CG	-0.9121
Gm16	4967842	4968012	Gmdrm	hypo	CG	-0.036
Gm16	5009951	5010090	Gmdrm	hypo	CG	-0.9
Gm16	5039105	5039263	Gmdrm	hypo	CG	-0.897
Gm16	5076395	5076909	Gmdrm	hypo	CG	-0.6039
Gm16	5107890	5108009	Gmdrm	hypo	CG	-0.965
Gm16	5109130	5109303	Gmdrm	hypo	CG	-0.8326
Gm16	5120243	5120266	Gmdrm	hypo	CG	-0.0784
Gm16	5120412	5120777	Gmdrm	hypo	CG	-0.384
Gm16	5152357	5152459	Gmdrm	hypo	CG	-0.456
Gm16	5161336	5161358	Gmdrm	hypo	CG	-0.9633
Gm16	5164143	5164394	Gmdrm	hypo	CG	-0.745
Gm16	5233970	5234130	Gmdrm	hypo	CG	-0.7525
Gm16	5247025	5247218	Gmdrm	hypo	CG	-0.8543
Gm16	5248537	5248673	Gmdrm	hypo	CG	-0.7283
Gm16	5250329	5250516	Gmdrm	hypo	CG	-0.9158
Gm16	5262416	5262808	Gmdrm	hypo	CG	-0.0874
Gm16	5272929	5273268	Gmdrm	hypo	CG	-0.815
Gm16	5273419	5273792	Gmdrm	hypo	CG	-0.6554

Gm16	5315554	5316075 Gmdrm	hypo	CG	-0.4507
Gm16	5316557	5316680 Gmdrm	hypo	CG	-0.5184
Gm16	5316781	5317089 Gmdrm	hypo	CG	-0.6958
Gm16	5371805	5371907 Gmdrm	hypo	CG	-0.8924
Gm16	5381742	5381888 Gmdrm	hypo	CG	-0.235
Gm16	5382436	5382618 Gmdrm	hypo	CG	-0.67
Gm16	5389363	5389457 Gmdrm	hypo	CG	-0.62
Gm16	5400727	5400767 Gmdrm	hypo	CG	-0.8967
Gm16	5427594	5428356 Gmdrm	hypo	CG	-0.0576
Gm16	5435239	5435383 Gmdrm	hypo	CG	-0.625
Gm16	5444993	5445253 Gmdrm	hypo	CG	-0.6685
Gm16	5476544	5476844 Gmdrm	hypo	CG	-0.9233
Gm16	5479194	5479470 Gmdrm	hypo	CG	-0.9688
Gm16	5479698	5480002 Gmdrm	hypo	CG	-0.94
Gm16	5490569	5490701 Gmdrm	hypo	CG	-0.6638
Gm16	5536258	5536271 Gmdrm	hypo	CG	-0.835
Gm16	5547225	5547322 Gmdrm	hypo	CG	-0.7116
Gm16	5560406	5560633 Gmdrm	hypo	CG	-0.4
Gm16	5573439	5573594 Gmdrm	hypo	CG	-0.8217
Gm16	5573828	5574040 Gmdrm	hypo	CG	-0.5093
Gm16	5581783	5581980 Gmdrm	hypo	CG	-0.768
Gm16	5588674	5588784 Gmdrm	hypo	CG	-0.4466
Gm16	5589047	5589129 Gmdrm	hypo	CG	-0.5866
Gm16	5596611	5596913 Gmdrm	hypo	CG	-0.2229
Gm16	5601206	5601556 Gmdrm	hypo	CG	-0.0475
Gm16	5603919	5604178 Gmdrm	hypo	CG	-0.4075
Gm16	5607210	5607255 Gmdrm	hypo	CG	-0.9484
Gm16	5607512	5607564 Gmdrm	hypo	CG	-0.607
Gm16	5610304	5610676 Gmdrm	hypo	CG	-0.029
Gm16	5610966	5611029 Gmdrm	hypo	CG	-0.876
Gm16	5611178	5611289 Gmdrm	hypo	CG	-0.08
Gm16	5613709	5613731 Gmdrm	hypo	CG	-0.9633
Gm16	5616167	5616228 Gmdrm	hypo	CG	-0.3466
Gm16	5623835	5624000 Gmdrm	hypo	CG	-0.6049
Gm16	5632506	5632608 Gmdrm	hypo	CG	-0.3217
Gm16	5632768	5633091 Gmdrm	hypo	CG	-0.8136
Gm16	5639069	5639172 Gmdrm	hypo	CG	-0.81
Gm16	5651627	5651704 Gmdrm	hypo	CG	-0.7884
Gm16	5651919	5651934 Gmdrm	hypo	CG	-0.8885
Gm16	5652163	5652223 Gmdrm	hypo	CG	-0.7587
Gm16	5652500	5652658 Gmdrm	hypo	CG	-0.416
Gm16	5659883	5660009 Gmdrm	hypo	CG	-0.389
Gm16	5660115	5660249 Gmdrm	hypo	CG	-0.6067
Gm16	5660547	5660610 Gmdrm	hypo	CG	-0.565
Gm16	5670029	5670760 Gmdrm	hypo	CG	-0.0693
Gm16	5713539	5713652 Gmdrm	hypo	CG	-0.8216

Gm16	5714123	5714314	Gmdrm	hypo	CG	-0.53
Gm16	5715673	5715796	Gmdrm	hypo	CG	-0.536
Gm16	5731637	5731873	Gmdrm	hypo	CG	-0.4211
Gm16	5746599	5746646	Gmdrm	hypo	CG	-0.9
Gm16	5774422	5774668	Gmdrm	hypo	CG	-0.7186
Gm16	5779896	5780008	Gmdrm	hypo	CG	-0.4812
Gm16	5780215	5780458	Gmdrm	hypo	CG	-0.2671
Gm16	5787072	5787197	Gmdrm	hypo	CG	-0.513
Gm16	5787780	5788120	Gmdrm	hypo	CG	-0.4216
Gm16	5813373	5813428	Gmdrm	hypo	CG	-0.945
Gm16	5813859	5813942	Gmdrm	hypo	CG	-0.8717
Gm16	5825216	5825340	Gmdrm	hypo	CG	-0.915
Gm16	5827885	5828003	Gmdrm	hypo	CG	-0.685
Gm16	5857556	5857863	Gmdrm	hypo	CG	-0.3994
Gm16	5886895	5886950	Gmdrm	hypo	CG	-0.9317
Gm16	5890606	5890867	Gmdrm	hypo	CG	-0.678
Gm16	5890982	5891510	Gmdrm	hypo	CG	-0.5607
Gm16	5897014	5897180	Gmdrm	hypo	CG	-0.9351
Gm16	5900050	5900632	Gmdrm	hypo	CG	-0.4602
Gm16	5916951	5917332	Gmdrm	hypo	CG	-0.0367
Gm16	5934340	5934480	Gmdrm	hypo	CG	-0.048
Gm16	5988146	5988194	Gmdrm	hypo	CG	-0.9563
Gm16	5988335	5988386	Gmdrm	hypo	CG	-0.57
Gm16	5988511	5988659	Gmdrm	hypo	CG	-0.6362
Gm16	5988859	5989176	Gmdrm	hypo	CG	-0.8736
Gm16	5990645	5990728	Gmdrm	hypo	CG	-0.9363
Gm16	5990864	5991000	Gmdrm	hypo	CG	-0.658
Gm16	6032893	6033383	Gmdrm	hypo	CG	-0.0294
Gm16	6042070	6042176	Gmdrm	hypo	CG	-0.4413
Gm16	6042639	6042744	Gmdrm	hypo	CG	-0.2833
Gm16	6043289	6043500	Gmdrm	hypo	CG	-0.1527
Gm16	6044903	6045083	Gmdrm	hypo	CG	-0.2187
Gm16	6045220	6045309	Gmdrm	hypo	CG	-0.246
Gm16	6086268	6086813	Gmdrm	hypo	CG	-0.0584
Gm16	6090422	6090899	Gmdrm	hypo	CG	-0.8246
Gm16	6094713	6094809	Gmdrm	hypo	CG	-0.4214
Gm16	6100081	6100357	Gmdrm	hypo	CG	-0.641
Gm16	6103817	6103958	Gmdrm	hypo	CG	-0.5391
Gm16	6105345	6105660	Gmdrm	hypo	CG	-0.6133
Gm16	6106248	6106367	Gmdrm	hypo	CG	-0.1656
Gm16	6110188	6110211	Gmdrm	hypo	CG	-0.5444
Gm16	6112777	6112829	Gmdrm	hypo	CG	-0.8084
Gm16	6113096	6113252	Gmdrm	hypo	CG	-0.5274
Gm16	6113380	6113470	Gmdrm	hypo	CG	-0.276
Gm16	6124251	6124321	Gmdrm	hypo	CG	-0.2683
Gm16	6124606	6124650	Gmdrm	hypo	CG	-0.362

Gm16	6126751	6126854	Gmdrm	hypo	CG	-0.4043
Gm16	6137398	6137623	Gmdrm	hypo	CG	-0.4134
Gm16	6152358	6152662	Gmdrm	hypo	CG	-0.38
Gm16	6176252	6176613	Gmdrm	hypo	CG	-0.7456
Gm16	6177257	6177339	Gmdrm	hypo	CG	-0.5983
Gm16	6209875	6210288	Gmdrm	hypo	CG	-0.2117
Gm16	6220804	6221018	Gmdrm	hypo	CG	-0.4309
Gm16	6221753	6221833	Gmdrm	hypo	CG	-0.5733
Gm16	6222003	6222082	Gmdrm	hypo	CG	-0.503
Gm16	6222211	6222322	Gmdrm	hypo	CG	-0.2667
Gm16	6230574	6230766	Gmdrm	hypo	CG	-0.5816
Gm16	6234408	6234582	Gmdrm	hypo	CG	-0.5787
Gm16	6245372	6245488	Gmdrm	hypo	CG	-0.9013
Gm16	6251723	6251791	Gmdrm	hypo	CG	-0.058
Gm16	6252939	6253037	Gmdrm	hypo	CG	-0.4017
Gm16	6255478	6255596	Gmdrm	hypo	CG	-0.8413
Gm16	6270788	6270848	Gmdrm	hypo	CG	-0.2183
Gm16	6274992	6275209	Gmdrm	hypo	CG	-0.4525
Gm16	6283785	6283876	Gmdrm	hypo	CG	-0.6716
Gm16	6284065	6284125	Gmdrm	hypo	CG	-0.7487
Gm16	6295295	6295429	Gmdrm	hypo	CG	-0.735
Gm16	6295616	6295642	Gmdrm	hypo	CG	-0.8867
Gm16	6306755	6306870	Gmdrm	hypo	CG	-0.7588
Gm16	6308222	6308370	Gmdrm	hypo	CG	-0.7458
Gm16	6350129	6350191	Gmdrm	hypo	CG	-0.845
Gm16	6400131	6400552	Gmdrm	hypo	CG	-0.0467
Gm16	6410105	6410169	Gmdrm	hypo	CG	-0.5362
Gm16	6414328	6414364	Gmdrm	hypo	CG	-0.4533
Gm16	6417494	6417607	Gmdrm	hypo	CG	-0.6717
Gm16	6418085	6418193	Gmdrm	hypo	CG	-0.2687
Gm16	6418482	6418680	Gmdrm	hypo	CG	-0.5907
Gm16	6432149	6432320	Gmdrm	hypo	CG	-0.071
Gm16	6456248	6456540	Gmdrm	hypo	CG	-0.2667
Gm16	6471854	6471977	Gmdrm	hypo	CG	-0.9225
Gm16	6472122	6472187	Gmdrm	hypo	CG	-0.9316
Gm16	6519120	6519242	Gmdrm	hypo	CG	-0.2029
Gm16	6521217	6521318	Gmdrm	hypo	CG	-0.472
Gm16	6523641	6523990	Gmdrm	hypo	CG	-0.1355
Gm16	6542805	6542892	Gmdrm	hypo	CG	-0.925
Gm16	6558950	6559000	Gmdrm	hypo	CG	-0.7533
Gm16	6580702	6580776	Gmdrm	hypo	CG	-0.1966
Gm16	6581522	6581642	Gmdrm	hypo	CG	-0.0628
Gm16	6594963	6595114	Gmdrm	hypo	CG	-0.696
Gm16	6626212	6626343	Gmdrm	hypo	CG	-0.03
Gm16	6628341	6628597	Gmdrm	hypo	CG	-0.7825
Gm16	6639744	6640163	Gmdrm	hypo	CG	-0.3736

Gm16	6658976	6659009 Gmdrm	hypo	CG	-0.7417
Gm16	6665478	6665616 Gmdrm	hypo	CG	-0.8391
Gm16	6684789	6684912 Gmdrm	hypo	CG	-0.696
Gm16	6698757	6698823 Gmdrm	hypo	CG	-0.902
Gm16	6705440	6706218 Gmdrm	hypo	CG	-0.3182
Gm16	6720461	6720628 Gmdrm	hypo	CG	-0.8646
Gm16	6732533	6732628 Gmdrm	hypo	CG	-0.8334
Gm16	6736649	6736841 Gmdrm	hypo	CG	-0.5275
Gm16	6737875	6738130 Gmdrm	hypo	CG	-0.7225
Gm16	6739773	6739950 Gmdrm	hypo	CG	-0.485
Gm16	6745362	6745519 Gmdrm	hypo	CG	-0.048
Gm16	6747392	6747545 Gmdrm	hypo	CG	-0.2426
Gm16	6759464	6759646 Gmdrm	hypo	CG	-0.04
Gm16	6761122	6761371 Gmdrm	hypo	CG	-0.2356
Gm16	6769072	6769326 Gmdrm	hypo	CG	-0.2951
Gm16	6770179	6770314 Gmdrm	hypo	CG	-0.2339
Gm16	6775528	6775626 Gmdrm	hypo	CG	-0.6083
Gm16	6796861	6797172 Gmdrm	hypo	CG	-0.7308
Gm16	6798903	6798937 Gmdrm	hypo	CG	-0.0417
Gm16	6810042	6810138 Gmdrm	hypo	CG	-0.445
Gm16	6823201	6823293 Gmdrm	hypo	CG	-0.8183
Gm16	6824369	6824605 Gmdrm	hypo	CG	-0.8665
Gm16	6829521	6829777 Gmdrm	hypo	CG	-0.5125
Gm16	6830143	6830214 Gmdrm	hypo	CG	-0.9
Gm16	6832907	6833044 Gmdrm	hypo	CG	-0.4625
Gm16	6834113	6834575 Gmdrm	hypo	CG	-0.0764
Gm16	6852863	6852990 Gmdrm	hypo	CG	-0.47
Gm16	6863595	6863630 Gmdrm	hypo	CG	-0.175
Gm16	6866087	6866208 Gmdrm	hypo	CG	-0.6117
Gm16	6879515	6879638 Gmdrm	hypo	CG	-0.0495
Gm16	6893284	6893380 Gmdrm	hypo	CG	-0.4708
Gm16	6893495	6893601 Gmdrm	hypo	CG	-0.5512
Gm16	6893986	6894197 Gmdrm	hypo	CG	-0.153
Gm16	6902651	6902757 Gmdrm	hypo	CG	-0.4083
Gm16	6910737	6910965 Gmdrm	hypo	CG	-0.6748
Gm16	6922371	6922526 Gmdrm	hypo	CG	-0.3919
Gm16	6959005	6959068 Gmdrm	hypo	CG	-0.4909
Gm16	6977420	6977464 Gmdrm	hypo	CG	-0.1983
Gm16	6994798	6994873 Gmdrm	hypo	CG	-0.9633
Gm16	6994991	6995023 Gmdrm	hypo	CG	-0.8662
Gm16	6995380	6995868 Gmdrm	hypo	CG	-0.0433
Gm16	7011186	7011424 Gmdrm	hypo	CG	-0.169
Gm16	7014126	7014263 Gmdrm	hypo	CG	-0.511
Gm16	7016638	7016740 Gmdrm	hypo	CG	-0.5083
Gm16	7018253	7018324 Gmdrm	hypo	CG	-0.5667
Gm16	7018594	7018669 Gmdrm	hypo	CG	-0.4733

Gm16	7023551	7023708 Gmdrm	hypo	CG	-0.5069
Gm16	7031852	7032021 Gmdrm	hypo	CG	-0.0453
Gm16	7048964	7049221 Gmdrm	hypo	CG	-0.0636
Gm16	7069138	7069263 Gmdrm	hypo	CG	-0.6186
Gm16	7078966	7079115 Gmdrm	hypo	CG	-0.7137
Gm16	7081560	7082026 Gmdrm	hypo	CG	-0.0894
Gm16	7085666	7085709 Gmdrm	hypo	CG	-0.7092
Gm16	7089022	7089467 Gmdrm	hypo	CG	-0.1417
Gm16	7090639	7090744 Gmdrm	hypo	CG	-0.795
Gm16	7090901	7091017 Gmdrm	hypo	CG	-0.8675
Gm16	7103627	7103702 Gmdrm	hypo	CG	-0.62
Gm16	7120074	7120255 Gmdrm	hypo	CG	-0.07
Gm16	7137847	7137975 Gmdrm	hypo	CG	-0.697
Gm16	7140631	7140719 Gmdrm	hypo	CG	-0.8612
Gm16	7141331	7141468 Gmdrm	hypo	CG	-0.62
Gm16	7141571	7141649 Gmdrm	hypo	CG	-0.3
Gm16	7151050	7151225 Gmdrm	hypo	CG	-0.5053
Gm16	7152578	7152703 Gmdrm	hypo	CG	-0.6822
Gm16	7155212	7155342 Gmdrm	hypo	CG	-0.668
Gm16	7157066	7157316 Gmdrm	hypo	CG	-0.8775
Gm16	7157444	7157508 Gmdrm	hypo	CG	-0.8484
Gm16	7159468	7159590 Gmdrm	hypo	CG	-0.8538
Gm16	7159756	7159988 Gmdrm	hypo	CG	-0.295
Gm16	7165419	7165482 Gmdrm	hypo	CG	-0.9417
Gm16	7181289	7181753 Gmdrm	hypo	CG	-0.7704
Gm16	7198430	7198678 Gmdrm	hypo	CG	-0.768
Gm16	7198862	7198981 Gmdrm	hypo	CG	-0.9487
Gm16	7203432	7203892 Gmdrm	hypo	CG	-0.5021
Gm16	7208580	7208945 Gmdrm	hypo	CG	-0.045
Gm16	7214148	7214447 Gmdrm	hypo	CG	-0.4337
Gm16	7232910	7233162 Gmdrm	hypo	CG	-0.36
Gm16	7249764	7249846 Gmdrm	hypo	CG	-0.2662
Gm16	7254499	7255201 Gmdrm	hypo	CG	-0.0531
Gm16	7283468	7283699 Gmdrm	hypo	CG	-0.9062
Gm16	7283807	7283862 Gmdrm	hypo	CG	-0.771
Gm16	7292552	7292669 Gmdrm	hypo	CG	-0.526
Gm16	7294121	7294281 Gmdrm	hypo	CG	-0.832
Gm16	7307106	7307133 Gmdrm	hypo	CG	-0.7567
Gm16	7334532	7334640 Gmdrm	hypo	CG	-0.2583
Gm16	7334881	7334939 Gmdrm	hypo	CG	-0.7966
Gm16	7339983	7340142 Gmdrm	hypo	CG	-0.645
Gm16	7344461	7344512 Gmdrm	hypo	CG	-0.2266
Gm16	7367356	7367499 Gmdrm	hypo	CG	-0.134
Gm16	7380459	7380634 Gmdrm	hypo	CG	-0.1224
Gm16	7383037	7383440 Gmdrm	hypo	CG	-0.2792
Gm16	7384476	7384574 Gmdrm	hypo	CG	-0.564

Gm16	7393105	7393403	Gmdrm	hypo	CG	-0.4769
Gm16	7401861	7402011	Gmdrm	hypo	CG	-0.5917
Gm16	7425538	7425641	Gmdrm	hypo	CG	-0.5266
Gm16	7431994	7432077	Gmdrm	hypo	CG	-0.3367
Gm16	7438413	7438557	Gmdrm	hypo	CG	-0.822
Gm16	7440530	7440700	Gmdrm	hypo	CG	-0.5794
Gm16	7441275	7441578	Gmdrm	hypo	CG	-0.0683
Gm16	7442556	7442696	Gmdrm	hypo	CG	-0.89
Gm16	7457122	7457210	Gmdrm	hypo	CG	-0.5283
Gm16	7458467	7459025	Gmdrm	hypo	CG	-0.0282
Gm16	7482180	7482211	Gmdrm	hypo	CG	-0.2233
Gm16	7486349	7486529	Gmdrm	hypo	CG	-0.9114
Gm16	7487505	7487745	Gmdrm	hypo	CG	-0.9322
Gm16	7493547	7493723	Gmdrm	hypo	CG	-0.5616
Gm16	7494218	7494352	Gmdrm	hypo	CG	-0.5366
Gm16	7497224	7497391	Gmdrm	hypo	CG	-0.42
Gm16	7509890	7509903	Gmdrm	hypo	CG	-0.3483
Gm16	7512657	7512929	Gmdrm	hypo	CG	-0.0733
Gm16	7513905	7514037	Gmdrm	hypo	CG	-0.254
Gm16	7515814	7515993	Gmdrm	hypo	CG	-0.2733
Gm16	7517037	7517153	Gmdrm	hypo	CG	-0.1
Gm16	7517563	7517631	Gmdrm	hypo	CG	-0.24
Gm16	7518014	7518160	Gmdrm	hypo	CG	-0.3117
Gm16	7518946	7519020	Gmdrm	hypo	CG	-0.6283
Gm16	7536715	7536818	Gmdrm	hypo	CG	-0.72
Gm16	7547003	7547190	Gmdrm	hypo	CG	-0.1534
Gm16	7566934	7567075	Gmdrm	hypo	CG	-0.6785
Gm16	7573255	7573367	Gmdrm	hypo	CG	-0.8214
Gm16	7600004	7600222	Gmdrm	hypo	CG	-0.1143
Gm16	7600393	7600627	Gmdrm	hypo	CG	-0.3543
Gm16	7651006	7651042	Gmdrm	hypo	CG	-0.6366
Gm16	7677279	7677385	Gmdrm	hypo	CG	-0.485
Gm16	7681643	7682623	Gmdrm	hypo	CG	-0.0358
Gm16	7689670	7689810	Gmdrm	hypo	CG	-0.485
Gm16	7689913	7690040	Gmdrm	hypo	CG	-0.575
Gm16	7702616	7702795	Gmdrm	hypo	CG	-0.3533
Gm16	7711077	7711166	Gmdrm	hypo	CG	-0.62
Gm16	7712099	7712217	Gmdrm	hypo	CG	-0.6837
Gm16	7713988	7714071	Gmdrm	hypo	CG	-0.85
Gm16	7714696	7714925	Gmdrm	hypo	CG	-0.7588
Gm16	7736961	7737274	Gmdrm	hypo	CG	-0.8949
Gm16	7743858	7744085	Gmdrm	hypo	CG	-0.1505
Gm16	7748735	7749025	Gmdrm	hypo	CG	-0.903
Gm16	7771324	7771431	Gmdrm	hypo	CG	-0.1867
Gm16	7782828	7782927	Gmdrm	hypo	CG	-0.4733
Gm16	7784183	7784343	Gmdrm	hypo	CG	-0.0757

Gm16	7798889	7799032	Gmdrm	hypo	CG	-0.155
Gm16	7816237	7816541	Gmdrm	hypo	CG	-0.645
Gm16	7853336	7853598	Gmdrm	hypo	CG	-0.3236
Gm16	7862687	7862880	Gmdrm	hypo	CG	-0.219
Gm16	7863283	7863466	Gmdrm	hypo	CG	-0.6717
Gm16	7865736	7865830	Gmdrm	hypo	CG	-0.6567
Gm16	7891569	7891666	Gmdrm	hypo	CG	-0.8784
Gm16	7915217	7915355	Gmdrm	hypo	CG	-0.2528
Gm16	7927796	7927931	Gmdrm	hypo	CG	-0.4637
Gm16	7947717	7947930	Gmdrm	hypo	CG	-0.4787
Gm16	7948370	7948457	Gmdrm	hypo	CG	-0.1
Gm16	7950104	7950297	Gmdrm	hypo	CG	-0.8864
Gm16	7951688	7951786	Gmdrm	hypo	CG	-0.1187
Gm16	7954612	7954857	Gmdrm	hypo	CG	-0.1034
Gm16	7957966	7958139	Gmdrm	hypo	CG	-0.7013
Gm16	7969865	7970314	Gmdrm	hypo	CG	-0.5962
Gm16	7972004	7972112	Gmdrm	hypo	CG	-0.7188
Gm16	7982785	7982860	Gmdrm	hypo	CG	-0.3867
Gm16	8000447	8000634	Gmdrm	hypo	CG	-0.9542
Gm16	8009422	8009509	Gmdrm	hypo	CG	-0.762
Gm16	8019070	8019084	Gmdrm	hypo	CG	-0.0966
Gm16	8025966	8026100	Gmdrm	hypo	CG	-0.945
Gm16	8031775	8031832	Gmdrm	hypo	CG	-0.3383
Gm16	8033307	8033937	Gmdrm	hypo	CG	-0.0408
Gm16	8066450	8066504	Gmdrm	hypo	CG	-0.1767
Gm16	8084866	8085077	Gmdrm	hypo	CG	-0.0289
Gm16	8085909	8086038	Gmdrm	hypo	CG	-0.0973
Gm16	8113741	8113913	Gmdrm	hypo	CG	-0.972
Gm16	8125518	8125600	Gmdrm	hypo	CG	-0.0338
Gm16	8134162	8134253	Gmdrm	hypo	CG	-0.8413
Gm16	8138178	8138311	Gmdrm	hypo	CG	-0.7375
Gm16	8185503	8185700	Gmdrm	hypo	CG	-0.12
Gm16	8209430	8209550	Gmdrm	hypo	CG	-0.272
Gm16	8210951	8211056	Gmdrm	hypo	CG	-0.7934
Gm16	8215330	8215380	Gmdrm	hypo	CG	-0.496
Gm16	8218352	8218621	Gmdrm	hypo	CG	-0.3325
Gm16	8224856	8224906	Gmdrm	hypo	CG	-0.8367
Gm16	8228424	8228589	Gmdrm	hypo	CG	-0.055
Gm16	8257900	8258090	Gmdrm	hypo	CG	-0.8417
Gm16	8262603	8262666	Gmdrm	hypo	CG	-0.3157
Gm16	8295953	8296050	Gmdrm	hypo	CG	-0.0529
Gm16	8341967	8342061	Gmdrm	hypo	CG	-0.2383
Gm16	8389559	8389742	Gmdrm	hypo	CG	-0.7375
Gm16	8391532	8391872	Gmdrm	hypo	CG	-0.803
Gm16	8405908	8406091	Gmdrm	hypo	CG	-0.3287
Gm16	8476521	8476573	Gmdrm	hypo	CG	-0.1075

Gm16	8503108	8503402	Gmdrm	hypo	CG	-0.0894
Gm16	8521790	8522039	Gmdrm	hypo	CG	-0.4512
Gm16	8528240	8528256	Gmdrm	hypo	CG	-0.725
Gm16	8540360	8540481	Gmdrm	hypo	CG	-0.0588
Gm16	8678037	8678120	Gmdrm	hypo	CG	-0.815
Gm16	8698070	8698325	Gmdrm	hypo	CG	-0.351
Gm16	8739462	8739487	Gmdrm	hypo	CG	-0.624
Gm16	8766193	8766469	Gmdrm	hypo	CG	-0.1346
Gm16	8826168	8826235	Gmdrm	hypo	CG	-0.716
Gm16	8830605	8831026	Gmdrm	hypo	CG	-0.0636
Gm16	8843714	8843874	Gmdrm	hypo	CG	-0.03
Gm16	8914314	8914944	Gmdrm	hypo	CG	-0.0713
Gm16	8925782	8926248	Gmdrm	hypo	CG	-0.0374
Gm16	8948074	8948425	Gmdrm	hypo	CG	-0.0736
Gm16	9065720	9066090	Gmdrm	hypo	CG	-0.0693
Gm16	9073168	9073354	Gmdrm	hypo	CG	-0.0737
Gm16	9076387	9076494	Gmdrm	hypo	CG	-0.9817
Gm16	9178870	9178923	Gmdrm	hypo	CG	-0.6487
Gm16	9209813	9210791	Gmdrm	hypo	CG	-0.0326
Gm16	9229681	9229865	Gmdrm	hypo	CG	-0.1292
Gm16	9236872	9237165	Gmdrm	hypo	CG	-0.0568
Gm16	9237429	9237529	Gmdrm	hypo	CG	-0.1667
Gm16	9245939	9246024	Gmdrm	hypo	CG	-0.55
Gm16	9268010	9268496	Gmdrm	hypo	CG	-0.0315
Gm16	9349615	9349936	Gmdrm	hypo	CG	-0.3605
Gm16	9350039	9350107	Gmdrm	hypo	CG	-0.552
Gm16	9375885	9375992	Gmdrm	hypo	CG	-0.045
Gm16	9424065	9424101	Gmdrm	hypo	CG	-0.37
Gm16	9447563	9448117	Gmdrm	hypo	CG	-0.0591
Gm16	9461574	9461742	Gmdrm	hypo	CG	-0.0943
Gm16	9469663	9469768	Gmdrm	hypo	CG	-0.9166
Gm16	9476573	9476736	Gmdrm	hypo	CG	-0.1346
Gm16	9487827	9487961	Gmdrm	hypo	CG	-0.0638
Gm16	9616399	9616496	Gmdrm	hypo	CG	-0.315
Gm16	9622577	9622642	Gmdrm	hypo	CG	-0.036
Gm16	9623811	9623845	Gmdrm	hypo	CG	-0.4166
Gm16	9628271	9628338	Gmdrm	hypo	CG	-0.0513
Gm16	9709137	9709288	Gmdrm	hypo	CG	-0.475
Gm16	9732154	9732566	Gmdrm	hypo	CG	-0.0335
Gm16	9771442	9771634	Gmdrm	hypo	CG	-0.144
Gm16	9773566	9773807	Gmdrm	hypo	CG	-0.941
Gm16	9807402	9807524	Gmdrm	hypo	CG	-0.306
Gm16	9810910	9811014	Gmdrm	hypo	CG	-0.0375
Gm16	9823561	9823590	Gmdrm	hypo	CG	-0.0617
Gm16	9846255	9846296	Gmdrm	hypo	CG	-0.045
Gm16	9876531	9876946	Gmdrm	hypo	CG	-0.115

Gm16	9888175	9888436	Gmdrm	hypo	CG	-0.042
Gm16	9894010	9894147	Gmdrm	hypo	CG	-0.715
Gm16	9909434	9909468	Gmdrm	hypo	CG	-0.3766
Gm16	9919105	9919251	Gmdrm	hypo	CG	-0.825
Gm16	9919468	9919575	Gmdrm	hypo	CG	-0.525
Gm16	9929320	9929486	Gmdrm	hypo	CG	-0.0432
Gm16	9959222	9959350	Gmdrm	hypo	CG	-0.3674
Gm16	9999240	9999354	Gmdrm	hypo	CG	-0.1039
Gm16	10047282	10047356	Gmdrm	hypo	CG	-0.0475
Gm16	10058566	10058989	Gmdrm	hypo	CG	-0.4265
Gm16	10064558	10064683	Gmdrm	hypo	CG	-0.5684
Gm16	10065045	10065129	Gmdrm	hypo	CG	-0.3857
Gm16	10065926	10066297	Gmdrm	hypo	CG	-0.3368
Gm16	10073917	10074738	Gmdrm	hypo	CG	-0.0689
Gm16	10088737	10089010	Gmdrm	hypo	CG	-0.06
Gm16	10169415	10170036	Gmdrm	hypo	CG	-0.0823
Gm16	10173231	10173283	Gmdrm	hypo	CG	-0.964
Gm16	10174804	10175000	Gmdrm	hypo	CG	-0.0743
Gm16	10343410	10343544	Gmdrm	hypo	CG	-0.924
Gm16	10343707	10343802	Gmdrm	hypo	CG	-0.9633
Gm16	10448745	10448936	Gmdrm	hypo	CG	-0.092
Gm16	10474082	10474818	Gmdrm	hypo	CG	-0.0454
Gm16	10541178	10541657	Gmdrm	hypo	CG	-0.6533
Gm16	10542347	10542452	Gmdrm	hypo	CG	-0.175
Gm16	10610139	10610393	Gmdrm	hypo	CG	-0.1263
Gm16	10726079	10726909	Gmdrm	hypo	CG	-0.0748
Gm16	10817538	10818183	Gmdrm	hypo	CG	-0.2853
Gm16	10879202	10879350	Gmdrm	hypo	CG	-0.1428
Gm16	10891043	10891212	Gmdrm	hypo	CG	-0.1087
Gm16	10900629	10900897	Gmdrm	hypo	CG	-0.1419
Gm16	10901822	10901941	Gmdrm	hypo	CG	-0.098
Gm16	10913495	10913668	Gmdrm	hypo	CG	-0.4836
Gm16	10941858	10942085	Gmdrm	hypo	CG	-0.9542
Gm16	10947780	10947826	Gmdrm	hypo	CG	-0.0717
Gm16	10955231	10955260	Gmdrm	hypo	CG	-0.252
Gm16	10980175	10980247	Gmdrm	hypo	CG	-0.65
Gm16	11011421	11011532	Gmdrm	hypo	CG	-0.0792
Gm16	11015705	11015890	Gmdrm	hypo	CG	-0.1593
Gm16	11162559	11162785	Gmdrm	hypo	CG	-0.41
Gm16	11165047	11165344	Gmdrm	hypo	CG	-0.2793
Gm16	11177189	11177471	Gmdrm	hypo	CG	-0.0512
Gm16	11249890	11250055	Gmdrm	hypo	CG	-0.9441
Gm16	11253170	11253311	Gmdrm	hypo	CG	-0.9521
Gm16	11254188	11254353	Gmdrm	hypo	CG	-0.041
Gm16	11266387	11266460	Gmdrm	hypo	CG	-0.5717
Gm16	11278263	11278522	Gmdrm	hypo	CG	-0.1589

Gm16	11279917	11280016	Gmdrm	hypo	CG	-0.55
Gm16	11280300	11280956	Gmdrm	hypo	CG	-0.8181
Gm16	11291790	11291821	Gmdrm	hypo	CG	-0.1617
Gm16	11299949	11300004	Gmdrm	hypo	CG	-0.1083
Gm16	11342922	11343301	Gmdrm	hypo	CG	-0.248
Gm16	11357714	11357860	Gmdrm	hypo	CG	-0.1022
Gm16	11369837	11370402	Gmdrm	hypo	CG	-0.0375
Gm16	11451753	11451845	Gmdrm	hypo	CG	-0.09
Gm16	11457944	11458163	Gmdrm	hypo	CG	-0.0391
Gm16	11470159	11470392	Gmdrm	hypo	CG	-0.555
Gm16	11470520	11470688	Gmdrm	hypo	CG	-0.7488
Gm16	11756253	11756375	Gmdrm	hypo	CG	-0.0934
Gm16	11800323	11800593	Gmdrm	hypo	CG	-0.0512
Gm16	11856258	11856861	Gmdrm	hypo	CG	-0.0419
Gm16	11901205	11901302	Gmdrm	hypo	CG	-0.3382
Gm16	11908607	11909178	Gmdrm	hypo	CG	-0.1104
Gm16	11923923	11924063	Gmdrm	hypo	CG	-0.099
Gm16	11924200	11924669	Gmdrm	hypo	CG	-0.0581
Gm16	11924787	11925734	Gmdrm	hypo	CG	-0.0542
Gm16	11930587	11930725	Gmdrm	hypo	CG	-0.0638
Gm16	11948116	11948690	Gmdrm	hypo	CG	-0.0582
Gm16	11978449	11978703	Gmdrm	hypo	CG	-0.15
Gm16	11994901	11995025	Gmdrm	hypo	CG	-0.1244
Gm16	12008617	12008912	Gmdrm	hypo	CG	-0.0912
Gm16	12043320	12043892	Gmdrm	hypo	CG	-0.0679
Gm16	12122787	12123313	Gmdrm	hypo	CG	-0.1032
Gm16	12125044	12125247	Gmdrm	hypo	CG	-0.1214
Gm16	12137222	12137721	Gmdrm	hypo	CG	-0.038
Gm16	12382536	12382730	Gmdrm	hypo	CG	-0.095
Gm16	12400091	12400152	Gmdrm	hypo	CG	-0.226
Gm16	12474133	12474355	Gmdrm	hypo	CG	-0.0872
Gm16	12486536	12486684	Gmdrm	hypo	CG	-0.7116
Gm16	12528602	12528783	Gmdrm	hypo	CG	-0.0925
Gm16	12576750	12577042	Gmdrm	hypo	CG	-0.0767
Gm16	12642834	12643072	Gmdrm	hypo	CG	-0.4394
Gm16	12663921	12664039	Gmdrm	hypo	CG	-0.066
Gm16	12712276	12712862	Gmdrm	hypo	CG	-0.0351
Gm16	12738820	12739814	Gmdrm	hypo	CG	-0.0395
Gm16	12798977	12799166	Gmdrm	hypo	CG	-0.055
Gm16	12908819	12909195	Gmdrm	hypo	CG	-0.0646
Gm16	13035107	13035384	Gmdrm	hypo	CG	-0.0925
Gm16	13070612	13070826	Gmdrm	hypo	CG	-0.0708
Gm16	13156887	13157240	Gmdrm	hypo	CG	-0.174
Gm16	13163629	13164267	Gmdrm	hypo	CG	-0.0444
Gm16	13168914	13169052	Gmdrm	hypo	CG	-0.562
Gm16	13179133	13179608	Gmdrm	hypo	CG	-0.0287

Gm16	13237303	13237522	Gmdrm	hypo	CG	-0.0622
Gm16	13271829	13272104	Gmdrm	hypo	CG	-0.05
Gm16	13359735	13360619	Gmdrm	hypo	CG	-0.0462
Gm16	13468987	13469710	Gmdrm	hypo	CG	-0.0474
Gm16	13499033	13499736	Gmdrm	hypo	CG	-0.25
Gm16	13524822	13525136	Gmdrm	hypo	CG	-0.0606
Gm16	13554189	13554261	Gmdrm	hypo	CG	-0.144
Gm16	13710013	13710983	Gmdrm	hypo	CG	-0.0323
Gm16	13802131	13802303	Gmdrm	hypo	CG	-0.0544
Gm16	13841937	13842399	Gmdrm	hypo	CG	-0.0523
Gm16	13901433	13901463	Gmdrm	hypo	CG	-0.5817
Gm16	13955666	13955789	Gmdrm	hypo	CG	-0.044
Gm16	14056663	14057396	Gmdrm	hypo	CG	-0.1232
Gm16	14066475	14066674	Gmdrm	hypo	CG	-0.2096
Gm16	14103863	14104172	Gmdrm	hypo	CG	-0.6563
Gm16	14104279	14104396	Gmdrm	hypo	CG	-0.754
Gm16	14111143	14111363	Gmdrm	hypo	CG	-0.7022
Gm16	14111729	14111778	Gmdrm	hypo	CG	-0.43
Gm16	14133893	14134233	Gmdrm	hypo	CG	-0.0743
Gm16	14275190	14275822	Gmdrm	hypo	CG	-0.0402
Gm16	14358504	14358668	Gmdrm	hypo	CG	-0.072
Gm16	14362026	14362088	Gmdrm	hypo	CG	-0.26
Gm16	14393489	14394050	Gmdrm	hypo	CG	-0.0347
Gm16	14398449	14399209	Gmdrm	hypo	CG	-0.0416
Gm16	14430779	14430918	Gmdrm	hypo	CG	-0.0825
Gm16	14463487	14463873	Gmdrm	hypo	CG	-0.0513
Gm16	14466773	14467366	Gmdrm	hypo	CG	-0.0465
Gm16	14486095	14486175	Gmdrm	hypo	CG	-0.475
Gm16	14492503	14492604	Gmdrm	hypo	CG	-0.5367
Gm16	14497067	14497209	Gmdrm	hypo	CG	-0.192
Gm16	14513130	14513208	Gmdrm	hypo	CG	-0.086
Gm16	14549201	14549258	Gmdrm	hypo	CG	-0.0867
Gm16	14567623	14567705	Gmdrm	hypo	CG	-0.1058
Gm16	14592581	14592743	Gmdrm	hypo	CG	-0.8172
Gm16	14596519	14596640	Gmdrm	hypo	CG	-0.12
Gm16	14639871	14640114	Gmdrm	hypo	CG	-0.0483
Gm16	14659829	14660175	Gmdrm	hypo	CG	-0.0516
Gm16	14672057	14673022	Gmdrm	hypo	CG	-0.0457
Gm16	14675536	14675933	Gmdrm	hypo	CG	-0.4653
Gm16	14748524	14748731	Gmdrm	hypo	CG	-0.4289
Gm16	14749019	14749065	Gmdrm	hypo	CG	-0.6567
Gm16	14754101	14754584	Gmdrm	hypo	CG	-0.0506
Gm16	14760009	14760069	Gmdrm	hypo	CG	-0.058
Gm16	14827089	14827778	Gmdrm	hypo	CG	-0.0669
Gm16	14828825	14828894	Gmdrm	hypo	CG	-0.7083
Gm16	14829022	14829060	Gmdrm	hypo	CG	-0.036

Gm16	14860397	14860660	Gmdrm	hypo	CG	-0.3164
Gm16	14871158	14871246	Gmdrm	hypo	CG	-0.5565
Gm16	14897500	14897802	Gmdrm	hypo	CG	-0.2369
Gm16	14909627	14910225	Gmdrm	hypo	CG	-0.8042
Gm16	14912083	14912219	Gmdrm	hypo	CG	-0.46
Gm16	14914761	14914836	Gmdrm	hypo	CG	-0.1025
Gm16	14916748	14916865	Gmdrm	hypo	CG	-0.0557
Gm16	14923869	14923975	Gmdrm	hypo	CG	-0.024
Gm16	15008271	15008361	Gmdrm	hypo	CG	-0.0981
Gm16	15067718	15067823	Gmdrm	hypo	CG	-0.215
Gm16	15084071	15084221	Gmdrm	hypo	CG	-0.1
Gm16	15121337	15121464	Gmdrm	hypo	CG	-0.0567
Gm16	15187074	15187170	Gmdrm	hypo	CG	-0.0667
Gm16	15202437	15202555	Gmdrm	hypo	CG	-0.1857
Gm16	15309867	15310061	Gmdrm	hypo	CG	-0.06
Gm16	15333995	15334102	Gmdrm	hypo	CG	-0.82
Gm16	15353286	15353484	Gmdrm	hypo	CG	-0.5
Gm16	15374173	15374407	Gmdrm	hypo	CG	-0.1571
Gm16	15485444	15485778	Gmdrm	hypo	CG	-0.8682
Gm16	15530828	15531818	Gmdrm	hypo	CG	-0.0285
Gm16	15592334	15593327	Gmdrm	hypo	CG	-0.0348
Gm16	15621678	15622170	Gmdrm	hypo	CG	-0.0315
Gm16	15829623	15829832	Gmdrm	hypo	CG	-0.1344
Gm16	15846707	15846976	Gmdrm	hypo	CG	-0.0637
Gm16	15854446	15854564	Gmdrm	hypo	CG	-0.0457
Gm16	15859726	15859848	Gmdrm	hypo	CG	-0.865
Gm16	15862723	15862848	Gmdrm	hypo	CG	-0.6216
Gm16	15998235	15998310	Gmdrm	hypo	CG	-0.05
Gm16	16005380	16005461	Gmdrm	hypo	CG	-0.6167
Gm16	16071018	16071236	Gmdrm	hypo	CG	-0.0859
Gm16	16202750	16202918	Gmdrm	hypo	CG	-0.1567
Gm16	16211718	16212068	Gmdrm	hypo	CG	-0.0442
Gm16	16278068	16278583	Gmdrm	hypo	CG	-0.0606
Gm16	16293910	16294366	Gmdrm	hypo	CG	-0.0794
Gm16	16329697	16330675	Gmdrm	hypo	CG	-0.0629
Gm16	16396030	16396288	Gmdrm	hypo	CG	-0.13
Gm16	16421626	16422120	Gmdrm	hypo	CG	-0.0314
Gm16	16431508	16431744	Gmdrm	hypo	CG	-0.7144
Gm16	16554035	16554347	Gmdrm	hypo	CG	-0.0871
Gm16	16592648	16592715	Gmdrm	hypo	CG	-0.0716
Gm16	16596600	16596705	Gmdrm	hypo	CG	-0.105
Gm16	16609518	16609704	Gmdrm	hypo	CG	-0.0943
Gm16	16670626	16670856	Gmdrm	hypo	CG	-0.572
Gm16	16685990	16686169	Gmdrm	hypo	CG	-0.1083
Gm16	16718374	16719372	Gmdrm	hypo	CG	-0.0223
Gm16	16812168	16812272	Gmdrm	hypo	CG	-0.788

Gm16	16816072	16816192	Gmdrm	hypo	CG	-0.4434
Gm16	16935515	16935683	Gmdrm	hypo	CG	-0.0664
Gm16	16965035	16965147	Gmdrm	hypo	CG	-0.0417
Gm16	16998796	16998880	Gmdrm	hypo	CG	-0.3917
Gm16	17013449	17013546	Gmdrm	hypo	CG	-0.83
Gm16	17120565	17120942	Gmdrm	hypo	CG	-0.0501
Gm16	17265903	17266543	Gmdrm	hypo	CG	-0.0459
Gm16	17324736	17324972	Gmdrm	hypo	CG	-0.0563
Gm16	17325910	17326169	Gmdrm	hypo	CG	-0.0513
Gm16	17380117	17380426	Gmdrm	hypo	CG	-0.049
Gm16	17420557	17420713	Gmdrm	hypo	CG	-0.6334
Gm16	17486875	17487853	Gmdrm	hypo	CG	-0.0255
Gm16	17564758	17565241	Gmdrm	hypo	CG	-0.0676
Gm16	17578598	17578728	Gmdrm	hypo	CG	-0.04
Gm16	17602543	17602588	Gmdrm	hypo	CG	-0.2071
Gm16	17657723	17658696	Gmdrm	hypo	CG	-0.047
Gm16	17660950	17661922	Gmdrm	hypo	CG	-0.0315
Gm16	17728513	17728598	Gmdrm	hypo	CG	-0.1179
Gm16	17831676	17832429	Gmdrm	hypo	CG	-0.0232
Gm16	17845150	17845843	Gmdrm	hypo	CG	-0.0304
Gm16	17919681	17919970	Gmdrm	hypo	CG	-0.625
Gm16	17952574	17952881	Gmdrm	hypo	CG	-0.0936
Gm16	17976342	17976928	Gmdrm	hypo	CG	-0.0414
Gm16	18050220	18050526	Gmdrm	hypo	CG	-0.0631
Gm16	18063548	18064542	Gmdrm	hypo	CG	-0.0253
Gm16	18070273	18070600	Gmdrm	hypo	CG	-0.0857
Gm16	18097744	18097876	Gmdrm	hypo	CG	-0.0738
Gm16	18190818	18191143	Gmdrm	hypo	CG	-0.3477
Gm16	18209451	18210184	Gmdrm	hypo	CG	-0.0593
Gm16	18273571	18274525	Gmdrm	hypo	CG	-0.0378
Gm16	18300834	18300888	Gmdrm	hypo	CG	-0.7633
Gm16	18314797	18314955	Gmdrm	hypo	CG	-0.074
Gm16	18386164	18386223	Gmdrm	hypo	CG	-0.786
Gm16	18387540	18388265	Gmdrm	hypo	CG	-0.1049
Gm16	18519929	18520134	Gmdrm	hypo	CG	-0.04
Gm16	18592513	18592801	Gmdrm	hypo	CG	-0.057
Gm16	18730159	18730251	Gmdrm	hypo	CG	-0.494
Gm16	18748257	18748629	Gmdrm	hypo	CG	-0.0464
Gm16	18812591	18812645	Gmdrm	hypo	CG	-0.0383
Gm16	18815383	18815651	Gmdrm	hypo	CG	-0.0875
Gm16	18817579	18817792	Gmdrm	hypo	CG	-0.1186
Gm16	18828962	18829068	Gmdrm	hypo	CG	-0.6783
Gm16	18845563	18845924	Gmdrm	hypo	CG	-0.1304
Gm16	18846386	18846931	Gmdrm	hypo	CG	-0.4475
Gm16	18849292	18850072	Gmdrm	hypo	CG	-0.0779
Gm16	18866118	18866230	Gmdrm	hypo	CG	-0.8517

Gm16	18866915	18867118	Gmdrm	hypo	CG	-0.5012
Gm16	18867571	18867658	Gmdrm	hypo	CG	-0.9267
Gm16	18872457	18872604	Gmdrm	hypo	CG	-0.4025
Gm16	18960249	18960490	Gmdrm	hypo	CG	-0.0818
Gm16	18963346	18963724	Gmdrm	hypo	CG	-0.2382
Gm16	19035466	19035586	Gmdrm	hypo	CG	-0.59
Gm16	19057189	19057240	Gmdrm	hypo	CG	-0.285
Gm16	19072466	19072580	Gmdrm	hypo	CG	-0.0843
Gm16	19107547	19107663	Gmdrm	hypo	CG	-0.076
Gm16	19122545	19122723	Gmdrm	hypo	CG	-0.96
Gm16	19146013	19146407	Gmdrm	hypo	CG	-0.0257
Gm16	19146534	19146621	Gmdrm	hypo	CG	-0.0575
Gm16	19186318	19186346	Gmdrm	hypo	CG	-0.9817
Gm16	19193961	19194058	Gmdrm	hypo	CG	-0.795
Gm16	19194244	19194361	Gmdrm	hypo	CG	-0.4225
Gm16	19250489	19250590	Gmdrm	hypo	CG	-0.97
Gm16	19291136	19291237	Gmdrm	hypo	CG	-0.09
Gm16	19298237	19298325	Gmdrm	hypo	CG	-0.45
Gm16	19299234	19299288	Gmdrm	hypo	CG	-0.2575
Gm16	19324298	19324612	Gmdrm	hypo	CG	-0.3081
Gm16	19330691	19330797	Gmdrm	hypo	CG	-0.1851
Gm16	19381130	19381325	Gmdrm	hypo	CG	-0.719
Gm16	19383488	19383848	Gmdrm	hypo	CG	-0.2436
Gm16	19441040	19441975	Gmdrm	hypo	CG	-0.0418
Gm16	19445399	19445473	Gmdrm	hypo	CG	-0.6467
Gm16	19445589	19445640	Gmdrm	hypo	CG	-0.835
Gm16	19524519	19525221	Gmdrm	hypo	CG	-0.0387
Gm16	19540890	19541247	Gmdrm	hypo	CG	-0.0743
Gm16	19541437	19541656	Gmdrm	hypo	CG	-0.05
Gm16	19597546	19597562	Gmdrm	hypo	CG	-0.072
Gm16	19671528	19671645	Gmdrm	hypo	CG	-0.6749
Gm16	19674729	19674806	Gmdrm	hypo	CG	-0.036
Gm16	19817134	19817248	Gmdrm	hypo	CG	-0.1412
Gm16	19865409	19865517	Gmdrm	hypo	CG	-0.0416
Gm16	19917855	19918012	Gmdrm	hypo	CG	-0.0408
Gm16	19976681	19976890	Gmdrm	hypo	CG	-0.0953
Gm16	19996579	19996745	Gmdrm	hypo	CG	-0.057
Gm16	20020889	20020950	Gmdrm	hypo	CG	-0.5883
Gm16	20043430	20043548	Gmdrm	hypo	CG	-0.855
Gm16	20056096	20056227	Gmdrm	hypo	CG	-0.0857
Gm16	20136565	20136609	Gmdrm	hypo	CG	-0.8167
Gm16	20136904	20136973	Gmdrm	hypo	CG	-0.5467
Gm16	20137505	20137567	Gmdrm	hypo	CG	-0.6433
Gm16	20195594	20195716	Gmdrm	hypo	CG	-0.108
Gm16	20209398	20209877	Gmdrm	hypo	CG	-0.0546
Gm16	20264352	20264435	Gmdrm	hypo	CG	-0.1124

Gm16	20282164	20282341	Gmdrm	hypo	CG	-0.7107
Gm16	20334788	20335087	Gmdrm	hypo	CG	-0.1126
Gm16	20339011	20339304	Gmdrm	hypo	CG	-0.0632
Gm16	20384286	20384398	Gmdrm	hypo	CG	-0.0542
Gm16	20390222	20390247	Gmdrm	hypo	CG	-0.738
Gm16	20458870	20458926	Gmdrm	hypo	CG	-0.0537
Gm16	20486714	20487022	Gmdrm	hypo	CG	-0.0875
Gm16	20547701	20547886	Gmdrm	hypo	CG	-0.055
Gm16	20584024	20584496	Gmdrm	hypo	CG	-0.045
Gm16	20666762	20667252	Gmdrm	hypo	CG	-0.045
Gm16	20718581	20718780	Gmdrm	hypo	CG	-0.3656
Gm16	20831478	20831606	Gmdrm	hypo	CG	-0.7187
Gm16	20938508	20939064	Gmdrm	hypo	CG	-0.07
Gm16	20955359	20955446	Gmdrm	hypo	CG	-0.17
Gm16	20961149	20961371	Gmdrm	hypo	CG	-0.6191
Gm16	20991449	20991523	Gmdrm	hypo	CG	-0.8967
Gm16	21027464	21027553	Gmdrm	hypo	CG	-0.0687
Gm16	21031365	21031562	Gmdrm	hypo	CG	-0.9417
Gm16	21091748	21092216	Gmdrm	hypo	CG	-0.0358
Gm16	21151279	21151384	Gmdrm	hypo	CG	-0.2817
Gm16	21180049	21180417	Gmdrm	hypo	CG	-0.0525
Gm16	21182404	21182566	Gmdrm	hypo	CG	-0.069
Gm16	21185517	21185618	Gmdrm	hypo	CG	-0.319
Gm16	21196860	21197129	Gmdrm	hypo	CG	-0.0717
Gm16	21218165	21218417	Gmdrm	hypo	CG	-0.274
Gm16	21224028	21224128	Gmdrm	hypo	CG	-0.02
Gm16	21225690	21226169	Gmdrm	hypo	CG	-0.049
Gm16	21236651	21236750	Gmdrm	hypo	CG	-0.29
Gm16	21316036	21316603	Gmdrm	hypo	CG	-0.0551
Gm16	21371727	21372231	Gmdrm	hypo	CG	-0.0227
Gm16	21393793	21393873	Gmdrm	hypo	CG	-0.1
Gm16	21420022	21420053	Gmdrm	hypo	CG	-0.1175
Gm16	21437257	21437691	Gmdrm	hypo	CG	-0.2393
Gm16	21440856	21440998	Gmdrm	hypo	CG	-0.0483
Gm16	21526829	21526916	Gmdrm	hypo	CG	-0.0386
Gm16	21529539	21529634	Gmdrm	hypo	CG	-0.9051
Gm16	21533823	21534101	Gmdrm	hypo	CG	-0.5264
Gm16	21537257	21537386	Gmdrm	hypo	CG	-0.2024
Gm16	21542572	21542665	Gmdrm	hypo	CG	-0.3787
Gm16	21548648	21548747	Gmdrm	hypo	CG	-0.9126
Gm16	21552641	21552883	Gmdrm	hypo	CG	-0.9055
Gm16	21553933	21554093	Gmdrm	hypo	CG	-0.2325
Gm16	21635747	21635782	Gmdrm	hypo	CG	-0.0717
Gm16	21658015	21658043	Gmdrm	hypo	CG	-0.0633
Gm16	21661481	21661578	Gmdrm	hypo	CG	-0.3317
Gm16	21663507	21663690	Gmdrm	hypo	CG	-0.6829

Gm16	21663832	21663916	Gmdrm	hypo	CG	-0.3812
Gm16	21674240	21674371	Gmdrm	hypo	CG	-0.05
Gm16	21692693	21692824	Gmdrm	hypo	CG	-0.265
Gm16	21696442	21696479	Gmdrm	hypo	CG	-0.6062
Gm16	21699778	21699929	Gmdrm	hypo	CG	-0.6138
Gm16	21736054	21736336	Gmdrm	hypo	CG	-0.8031
Gm16	21832284	21832306	Gmdrm	hypo	CG	-0.5
Gm16	21832548	21832667	Gmdrm	hypo	CG	-0.5089
Gm16	21839716	21839936	Gmdrm	hypo	CG	-0.756
Gm16	21867830	21868150	Gmdrm	hypo	CG	-0.1369
Gm16	21891533	21891664	Gmdrm	hypo	CG	-0.8863
Gm16	21898700	21898795	Gmdrm	hypo	CG	-0.8817
Gm16	21950139	21950534	Gmdrm	hypo	CG	-0.2442
Gm16	21972578	21972844	Gmdrm	hypo	CG	-0.5529
Gm16	21995848	21996025	Gmdrm	hypo	CG	-0.3673
Gm16	22024819	22025240	Gmdrm	hypo	CG	-0.3018
Gm16	22139480	22139716	Gmdrm	hypo	CG	-0.1238
Gm16	22177333	22177364	Gmdrm	hypo	CG	-0.5262
Gm16	22257456	22257638	Gmdrm	hypo	CG	-0.0767
Gm16	22264081	22264390	Gmdrm	hypo	CG	-0.0834
Gm16	22279471	22279546	Gmdrm	hypo	CG	-0.0875
Gm16	22308836	22308878	Gmdrm	hypo	CG	-0.1333
Gm16	22358693	22358760	Gmdrm	hypo	CG	-0.096
Gm16	22549751	22549762	Gmdrm	hypo	CG	-0.4683
Gm16	22651995	22652693	Gmdrm	hypo	CG	-0.0547
Gm16	22667548	22667792	Gmdrm	hypo	CG	-0.0808
Gm16	22741095	22741319	Gmdrm	hypo	CG	-0.075
Gm16	22834998	22835113	Gmdrm	hypo	CG	-0.877
Gm16	22841207	22841364	Gmdrm	hypo	CG	-0.1184
Gm16	22925867	22926722	Gmdrm	hypo	CG	-0.0377
Gm16	23061462	23061564	Gmdrm	hypo	CG	-0.7291
Gm16	23068054	23068176	Gmdrm	hypo	CG	-0.0467
Gm16	23077197	23077358	Gmdrm	hypo	CG	-0.4349
Gm16	23119167	23119316	Gmdrm	hypo	CG	-0.4626
Gm16	23121023	23121052	Gmdrm	hypo	CG	-0.4737
Gm16	23225032	23225173	Gmdrm	hypo	CG	-0.0311
Gm16	23228948	23229124	Gmdrm	hypo	CG	-0.435
Gm16	23257460	23257514	Gmdrm	hypo	CG	-0.37
Gm16	23291514	23292033	Gmdrm	hypo	CG	-0.0394
Gm16	23337255	23338054	Gmdrm	hypo	CG	-0.0503
Gm16	23377327	23377409	Gmdrm	hypo	CG	-0.5484
Gm16	23380775	23380975	Gmdrm	hypo	CG	-0.3375
Gm16	23381389	23381505	Gmdrm	hypo	CG	-0.0708
Gm16	23381677	23381739	Gmdrm	hypo	CG	-0.1775
Gm16	23418447	23418932	Gmdrm	hypo	CG	-0.0556
Gm16	23429280	23429990	Gmdrm	hypo	CG	-0.0259

Gm16	23442942	23443801	Gmdrm	hypo	CG	-0.0274
Gm16	23471259	23471331	Gmdrm	hypo	CG	-0.2067
Gm16	23520514	23520584	Gmdrm	hypo	CG	-0.0625
Gm16	23522862	23523255	Gmdrm	hypo	CG	-0.0389
Gm16	23542152	23542472	Gmdrm	hypo	CG	-0.0825
Gm16	23752459	23752663	Gmdrm	hypo	CG	-0.05
Gm16	23842018	23842209	Gmdrm	hypo	CG	-0.4984
Gm16	23856553	23856614	Gmdrm	hypo	CG	-0.7083
Gm16	23924010	23924114	Gmdrm	hypo	CG	-0.116
Gm16	23938432	23939390	Gmdrm	hypo	CG	-0.054
Gm16	23954415	23954900	Gmdrm	hypo	CG	-0.0271
Gm16	24056761	24057349	Gmdrm	hypo	CG	-0.0389
Gm16	24095442	24095639	Gmdrm	hypo	CG	-0.0462
Gm16	24169850	24170197	Gmdrm	hypo	CG	-0.0753
Gm16	24182295	24182602	Gmdrm	hypo	CG	-0.1006
Gm16	24237983	24238321	Gmdrm	hypo	CG	-0.7255
Gm16	24291285	24291381	Gmdrm	hypo	CG	-0.136
Gm16	24451155	24451387	Gmdrm	hypo	CG	-0.778
Gm16	24451800	24451918	Gmdrm	hypo	CG	-0.5983
Gm16	24485254	24485657	Gmdrm	hypo	CG	-0.4175
Gm16	24514941	24515145	Gmdrm	hypo	CG	-0.6313
Gm16	24536478	24536554	Gmdrm	hypo	CG	-0.08
Gm16	24557832	24557871	Gmdrm	hypo	CG	-0.64
Gm16	24566405	24566542	Gmdrm	hypo	CG	-0.8887
Gm16	24590910	24591063	Gmdrm	hypo	CG	-0.038
Gm16	24629842	24629915	Gmdrm	hypo	CG	-0.8017
Gm16	24643700	24644301	Gmdrm	hypo	CG	-0.0424
Gm16	24743953	24744066	Gmdrm	hypo	CG	-0.446
Gm16	24856762	24856904	Gmdrm	hypo	CG	-0.9133
Gm16	24858480	24858752	Gmdrm	hypo	CG	-0.038
Gm16	24863224	24863421	Gmdrm	hypo	CG	-0.265
Gm16	24865042	24865131	Gmdrm	hypo	CG	-0.8534
Gm16	24913400	24913460	Gmdrm	hypo	CG	-0.694
Gm16	24956838	24957066	Gmdrm	hypo	CG	-0.384
Gm16	24957213	24957494	Gmdrm	hypo	CG	-0.3453
Gm16	25008329	25008732	Gmdrm	hypo	CG	-0.6789
Gm16	25031559	25031691	Gmdrm	hypo	CG	-0.6937
Gm16	25043731	25044238	Gmdrm	hypo	CG	-0.0338
Gm16	25051785	25052000	Gmdrm	hypo	CG	-0.05
Gm16	25155702	25155965	Gmdrm	hypo	CG	-0.305
Gm16	25165391	25165444	Gmdrm	hypo	CG	-0.18
Gm16	25199679	25199855	Gmdrm	hypo	CG	-0.123
Gm16	25214837	25214983	Gmdrm	hypo	CG	-0.5408
Gm16	25215224	25215316	Gmdrm	hypo	CG	-0.7907
Gm16	25221740	25221947	Gmdrm	hypo	CG	-0.2156
Gm16	25229380	25229454	Gmdrm	hypo	CG	-0.0712

Gm16	25241110	25241175	Gmdrm	hypo	CG	-0.9066
Gm16	25261276	25261421	Gmdrm	hypo	CG	-0.1725
Gm16	25264065	25264161	Gmdrm	hypo	CG	-0.5155
Gm16	25315124	25315358	Gmdrm	hypo	CG	-0.6538
Gm16	25326194	25326586	Gmdrm	hypo	CG	-0.3391
Gm16	25328669	25328771	Gmdrm	hypo	CG	-0.921
Gm16	25372902	25372979	Gmdrm	hypo	CG	-0.07
Gm16	25378498	25378603	Gmdrm	hypo	CG	-0.486
Gm16	25386713	25386901	Gmdrm	hypo	CG	-0.805
Gm16	25434411	25434468	Gmdrm	hypo	CG	-0.885
Gm16	25446143	25446327	Gmdrm	hypo	CG	-0.9475
Gm16	25477474	25477658	Gmdrm	hypo	CG	-0.882
Gm16	25529176	25529321	Gmdrm	hypo	CG	-0.7133
Gm16	25653200	25653427	Gmdrm	hypo	CG	-0.9557
Gm16	25786902	25787017	Gmdrm	hypo	CG	-0.0325
Gm16	25797547	25797659	Gmdrm	hypo	CG	-0.925
Gm16	25798037	25798189	Gmdrm	hypo	CG	-0.6831
Gm16	25814804	25815368	Gmdrm	hypo	CG	-0.0857
Gm16	25830899	25830946	Gmdrm	hypo	CG	-0.9713
Gm16	25831865	25832081	Gmdrm	hypo	CG	-0.567
Gm16	25836163	25836583	Gmdrm	hypo	CG	-0.8896
Gm16	25838463	25838621	Gmdrm	hypo	CG	-0.3609
Gm16	25857956	25858057	Gmdrm	hypo	CG	-0.3012
Gm16	25866185	25866284	Gmdrm	hypo	CG	-0.67
Gm16	25867707	25867910	Gmdrm	hypo	CG	-0.3542
Gm16	25894362	25894701	Gmdrm	hypo	CG	-0.4441
Gm16	25918018	25918164	Gmdrm	hypo	CG	-0.074
Gm16	25925632	25925775	Gmdrm	hypo	CG	-0.05
Gm16	25925929	25926038	Gmdrm	hypo	CG	-0.8662
Gm16	25958758	25958886	Gmdrm	hypo	CG	-0.0657
Gm16	25974269	25974436	Gmdrm	hypo	CG	-0.383
Gm16	25975875	25976051	Gmdrm	hypo	CG	-0.112
Gm16	25984386	25984550	Gmdrm	hypo	CG	-0.7088
Gm16	26031708	26031973	Gmdrm	hypo	CG	-0.0592
Gm16	26059015	26059208	Gmdrm	hypo	CG	-0.8754
Gm16	26059318	26059595	Gmdrm	hypo	CG	-0.4213
Gm16	26090604	26090672	Gmdrm	hypo	CG	-0.96
Gm16	26091999	26092213	Gmdrm	hypo	CG	-0.6193
Gm16	26110157	26110371	Gmdrm	hypo	CG	-0.9355
Gm16	26110645	26111008	Gmdrm	hypo	CG	-0.7244
Gm16	26344576	26344813	Gmdrm	hypo	CG	-0.068
Gm16	26345363	26345581	Gmdrm	hypo	CG	-0.8954
Gm16	26404732	26404818	Gmdrm	hypo	CG	-0.9283
Gm16	26407134	26407204	Gmdrm	hypo	CG	-0.9113
Gm16	26496034	26496985	Gmdrm	hypo	CG	-0.0301
Gm16	26514757	26514927	Gmdrm	hypo	CG	-0.0574

Gm16	26528531	26528717	Gmdrm	hypo	CG	-0.7736
Gm16	26558314	26558383	Gmdrm	hypo	CG	-0.9287
Gm16	26575331	26575352	Gmdrm	hypo	CG	-0.335
Gm16	26604905	26604948	Gmdrm	hypo	CG	-0.0325
Gm16	26651104	26651381	Gmdrm	hypo	CG	-0.0625
Gm16	26676287	26676346	Gmdrm	hypo	CG	-0.7517
Gm16	26705288	26705340	Gmdrm	hypo	CG	-0.5833
Gm16	26764460	26764657	Gmdrm	hypo	CG	-0.0493
Gm16	26801355	26801513	Gmdrm	hypo	CG	-0.6675
Gm16	26864897	26865012	Gmdrm	hypo	CG	-0.0575
Gm16	26872068	26872313	Gmdrm	hypo	CG	-0.5622
Gm16	26872432	26872460	Gmdrm	hypo	CG	-0.4933
Gm16	26881061	26881173	Gmdrm	hypo	CG	-0.695
Gm16	26885373	26885585	Gmdrm	hypo	CG	-0.327
Gm16	26930439	26930889	Gmdrm	hypo	CG	-0.057
Gm16	26980279	26980789	Gmdrm	hypo	CG	-0.4454
Gm16	26987821	26987963	Gmdrm	hypo	CG	-0.533
Gm16	27007095	27007119	Gmdrm	hypo	CG	-0.295
Gm16	27017453	27017525	Gmdrm	hypo	CG	-0.7316
Gm16	27025282	27025453	Gmdrm	hypo	CG	-0.1656
Gm16	27027252	27027411	Gmdrm	hypo	CG	-0.29
Gm16	27040789	27040820	Gmdrm	hypo	CG	-0.2733
Gm16	27041170	27041376	Gmdrm	hypo	CG	-0.3084
Gm16	27041674	27041854	Gmdrm	hypo	CG	-0.6525
Gm16	27042609	27042666	Gmdrm	hypo	CG	-0.9317
Gm16	27045216	27045626	Gmdrm	hypo	CG	-0.5555
Gm16	27048725	27048878	Gmdrm	hypo	CG	-0.9238
Gm16	27051683	27051909	Gmdrm	hypo	CG	-0.736
Gm16	27102142	27102289	Gmdrm	hypo	CG	-0.0589
Gm16	27137347	27137586	Gmdrm	hypo	CG	-0.2214
Gm16	27142142	27142451	Gmdrm	hypo	CG	-0.146
Gm16	27186311	27186697	Gmdrm	hypo	CG	-0.4684
Gm16	27190869	27191169	Gmdrm	hypo	CG	-0.537
Gm16	27216283	27216418	Gmdrm	hypo	CG	-0.0962
Gm16	27220848	27220900	Gmdrm	hypo	CG	-0.5634
Gm16	27228755	27228876	Gmdrm	hypo	CG	-0.046
Gm16	27253498	27253793	Gmdrm	hypo	CG	-0.12
Gm16	27262761	27262832	Gmdrm	hypo	CG	-0.155
Gm16	27271353	27271599	Gmdrm	hypo	CG	-0.059
Gm16	27274807	27275020	Gmdrm	hypo	CG	-0.579
Gm16	27284991	27285175	Gmdrm	hypo	CG	-0.1352
Gm16	27296943	27297078	Gmdrm	hypo	CG	-0.155
Gm16	27299220	27299261	Gmdrm	hypo	CG	-0.8167
Gm16	27299381	27299510	Gmdrm	hypo	CG	-0.3357
Gm16	27308647	27308709	Gmdrm	hypo	CG	-0.65
Gm16	27316176	27316321	Gmdrm	hypo	CG	-0.84

Gm16	27335300	27335464	Gmdrm	hypo	CG	-0.2512
Gm16	27336262	27336424	Gmdrm	hypo	CG	-0.77
Gm16	27367875	27367911	Gmdrm	hypo	CG	-0.205
Gm16	27374984	27375045	Gmdrm	hypo	CG	-0.18
Gm16	27383638	27383743	Gmdrm	hypo	CG	-0.7515
Gm16	27416266	27416877	Gmdrm	hypo	CG	-0.5008
Gm16	27417358	27417536	Gmdrm	hypo	CG	-0.0876
Gm16	27418091	27418120	Gmdrm	hypo	CG	-0.4317
Gm16	27418222	27418373	Gmdrm	hypo	CG	-0.207
Gm16	27418840	27418975	Gmdrm	hypo	CG	-0.9375
Gm16	27431351	27431368	Gmdrm	hypo	CG	-0.875
Gm16	27442113	27442141	Gmdrm	hypo	CG	-0.19
Gm16	27443218	27443431	Gmdrm	hypo	CG	-0.6009
Gm16	27443586	27443661	Gmdrm	hypo	CG	-0.7557
Gm16	27444171	27444277	Gmdrm	hypo	CG	-0.5016
Gm16	27456375	27456627	Gmdrm	hypo	CG	-0.2935
Gm16	27462314	27462441	Gmdrm	hypo	CG	-0.6762
Gm16	27471850	27472055	Gmdrm	hypo	CG	-0.8276
Gm16	27473030	27473169	Gmdrm	hypo	CG	-0.0364
Gm16	27484611	27484669	Gmdrm	hypo	CG	-0.2837
Gm16	27507187	27507557	Gmdrm	hypo	CG	-0.1373
Gm16	27532827	27532876	Gmdrm	hypo	CG	-0.7933
Gm16	27535918	27536034	Gmdrm	hypo	CG	-0.1257
Gm16	27554038	27554058	Gmdrm	hypo	CG	-0.06
Gm16	27565122	27565313	Gmdrm	hypo	CG	-0.8694
Gm16	27565524	27565618	Gmdrm	hypo	CG	-0.6383
Gm16	27565887	27566026	Gmdrm	hypo	CG	-0.0845
Gm16	27566752	27566812	Gmdrm	hypo	CG	-0.7016
Gm16	27570751	27570902	Gmdrm	hypo	CG	-0.691
Gm16	27571438	27571547	Gmdrm	hypo	CG	-0.6217
Gm16	27584848	27585013	Gmdrm	hypo	CG	-0.3284
Gm16	27599022	27599139	Gmdrm	hypo	CG	-0.4138
Gm16	27619672	27619895	Gmdrm	hypo	CG	-0.4875
Gm16	27620049	27620105	Gmdrm	hypo	CG	-0.625
Gm16	27622230	27622336	Gmdrm	hypo	CG	-0.9493
Gm16	27623967	27624118	Gmdrm	hypo	CG	-0.71
Gm16	27625995	27626321	Gmdrm	hypo	CG	-0.1607
Gm16	27647343	27647534	Gmdrm	hypo	CG	-0.88
Gm16	27649371	27649494	Gmdrm	hypo	CG	-0.9234
Gm16	27654700	27654768	Gmdrm	hypo	CG	-0.7767
Gm16	27654931	27655047	Gmdrm	hypo	CG	-0.82
Gm16	27655173	27655312	Gmdrm	hypo	CG	-0.9275
Gm16	27673915	27673977	Gmdrm	hypo	CG	-0.7857
Gm16	27675014	27675330	Gmdrm	hypo	CG	-0.5187
Gm16	27676334	27676381	Gmdrm	hypo	CG	-0.84
Gm16	27676726	27676845	Gmdrm	hypo	CG	-0.35

Gm16	27685575	27685759	Gmdrm	hypo	CG	-0.4982
Gm16	27685943	27686288	Gmdrm	hypo	CG	-0.91
Gm16	27686530	27686599	Gmdrm	hypo	CG	-0.11
Gm16	27692883	27692919	Gmdrm	hypo	CG	-0.0583
Gm16	27694482	27694524	Gmdrm	hypo	CG	-0.27
Gm16	27694944	27695099	Gmdrm	hypo	CG	-0.333
Gm16	27696936	27697244	Gmdrm	hypo	CG	-0.7956
Gm16	27697810	27697929	Gmdrm	hypo	CG	-0.205
Gm16	27698465	27698562	Gmdrm	hypo	CG	-0.5475
Gm16	27698811	27698984	Gmdrm	hypo	CG	-0.2375
Gm16	27699507	27699612	Gmdrm	hypo	CG	-0.8387
Gm16	27728339	27728458	Gmdrm	hypo	CG	-0.1512
Gm16	27741436	27741648	Gmdrm	hypo	CG	-0.26
Gm16	27756212	27756497	Gmdrm	hypo	CG	-0.08
Gm16	27758398	27758686	Gmdrm	hypo	CG	-0.4421
Gm16	27767233	27767395	Gmdrm	hypo	CG	-0.6543
Gm16	27801843	27802071	Gmdrm	hypo	CG	-0.1262
Gm16	27803483	27803957	Gmdrm	hypo	CG	-0.4788
Gm16	27810544	27810696	Gmdrm	hypo	CG	-0.278
Gm16	27867101	27867229	Gmdrm	hypo	CG	-0.084
Gm16	27868902	27869025	Gmdrm	hypo	CG	-0.206
Gm16	27869629	27869838	Gmdrm	hypo	CG	-0.195
Gm16	27878615	27878725	Gmdrm	hypo	CG	-0.5637
Gm16	27904028	27904068	Gmdrm	hypo	CG	-0.648
Gm16	27907362	27907655	Gmdrm	hypo	CG	-0.0511
Gm16	27908715	27908837	Gmdrm	hypo	CG	-0.1687
Gm16	27909087	27909342	Gmdrm	hypo	CG	-0.4246
Gm16	27927402	27927549	Gmdrm	hypo	CG	-0.3156
Gm16	27935242	27935394	Gmdrm	hypo	CG	-0.685
Gm16	27935540	27935687	Gmdrm	hypo	CG	-0.6566
Gm16	27936242	27936261	Gmdrm	hypo	CG	-0.1116
Gm16	27948509	27948764	Gmdrm	hypo	CG	-0.1255
Gm16	27955709	27955797	Gmdrm	hypo	CG	-0.1563
Gm16	27955956	27956181	Gmdrm	hypo	CG	-0.3809
Gm16	27956563	27956694	Gmdrm	hypo	CG	-0.0483
Gm16	27957195	27957332	Gmdrm	hypo	CG	-0.7533
Gm16	27957895	27958331	Gmdrm	hypo	CG	-0.195
Gm16	27969156	27969171	Gmdrm	hypo	CG	-0.9084
Gm16	27984062	27984361	Gmdrm	hypo	CG	-0.424
Gm16	27990866	27991043	Gmdrm	hypo	CG	-0.22
Gm16	27992171	27992450	Gmdrm	hypo	CG	-0.1495
Gm16	27993026	27993163	Gmdrm	hypo	CG	-0.4034
Gm16	28007533	28007660	Gmdrm	hypo	CG	-0.0487
Gm16	28012566	28012669	Gmdrm	hypo	CG	-0.52
Gm16	28021368	28021907	Gmdrm	hypo	CG	-0.1157
Gm16	28040120	28040418	Gmdrm	hypo	CG	-0.2046

Gm16	28041237	28041359	Gmdrm	hypo	CG	-0.66
Gm16	28094570	28094755	Gmdrm	hypo	CG	-0.673
Gm16	28122833	28123129	Gmdrm	hypo	CG	-0.4258
Gm16	28123520	28123579	Gmdrm	hypo	CG	-0.0862
Gm16	28136681	28136813	Gmdrm	hypo	CG	-0.359
Gm16	28147489	28147698	Gmdrm	hypo	CG	-0.1662
Gm16	28149806	28149876	Gmdrm	hypo	CG	-0.1533
Gm16	28155040	28155140	Gmdrm	hypo	CG	-0.4883
Gm16	28155468	28155530	Gmdrm	hypo	CG	-0.6416
Gm16	28159635	28159841	Gmdrm	hypo	CG	-0.0417
Gm16	28169972	28170398	Gmdrm	hypo	CG	-0.3193
Gm16	28173841	28173925	Gmdrm	hypo	CG	-0.2949
Gm16	28174034	28174082	Gmdrm	hypo	CG	-0.6067
Gm16	28177587	28177819	Gmdrm	hypo	CG	-0.765
Gm16	28181052	28181229	Gmdrm	hypo	CG	-0.9462
Gm16	28185323	28185366	Gmdrm	hypo	CG	-0.743
Gm16	28194892	28195049	Gmdrm	hypo	CG	-0.4583
Gm16	28203145	28203274	Gmdrm	hypo	CG	-0.7017
Gm16	28232688	28232883	Gmdrm	hypo	CG	-0.9625
Gm16	28245841	28245885	Gmdrm	hypo	CG	-0.049
Gm16	28251534	28251655	Gmdrm	hypo	CG	-0.1725
Gm16	28270790	28270901	Gmdrm	hypo	CG	-0.044
Gm16	28274144	28274240	Gmdrm	hypo	CG	-0.4
Gm16	28277994	28278001	Gmdrm	hypo	CG	-0.4917
Gm16	28282045	28282156	Gmdrm	hypo	CG	-0.8275
Gm16	28282438	28282584	Gmdrm	hypo	CG	-0.9707
Gm16	28283961	28284084	Gmdrm	hypo	CG	-0.0838
Gm16	28286935	28287144	Gmdrm	hypo	CG	-0.8954
Gm16	28302374	28302734	Gmdrm	hypo	CG	-0.0386
Gm16	28323984	28324332	Gmdrm	hypo	CG	-0.494
Gm16	28327438	28327542	Gmdrm	hypo	CG	-0.185
Gm16	28339214	28339262	Gmdrm	hypo	CG	-0.6166
Gm16	28348761	28348865	Gmdrm	hypo	CG	-0.8538
Gm16	28351260	28351393	Gmdrm	hypo	CG	-0.118
Gm16	28366078	28366378	Gmdrm	hypo	CG	-0.8099
Gm16	28366513	28366682	Gmdrm	hypo	CG	-0.09
Gm16	28367987	28368298	Gmdrm	hypo	CG	-0.8921
Gm16	28371633	28371975	Gmdrm	hypo	CG	-0.833
Gm16	28372222	28372448	Gmdrm	hypo	CG	-0.8722
Gm16	28373524	28373847	Gmdrm	hypo	CG	-0.7991
Gm16	28419657	28419884	Gmdrm	hypo	CG	-0.0379
Gm16	28447407	28447569	Gmdrm	hypo	CG	-0.206
Gm16	28447677	28447889	Gmdrm	hypo	CG	-0.4084
Gm16	28456083	28456354	Gmdrm	hypo	CG	-0.4812
Gm16	28456581	28456637	Gmdrm	hypo	CG	-0.0663
Gm16	28506947	28507215	Gmdrm	hypo	CG	-0.6665

Gm16	28509410	28509468	Gmdrm	hypo	CG	-0.6734
Gm16	28520030	28520152	Gmdrm	hypo	CG	-0.5734
Gm16	28524646	28524811	Gmdrm	hypo	CG	-0.7525
Gm16	28527841	28527877	Gmdrm	hypo	CG	-0.04
Gm16	28537132	28537314	Gmdrm	hypo	CG	-0.0328
Gm16	28554983	28555543	Gmdrm	hypo	CG	-0.0654
Gm16	28561537	28561659	Gmdrm	hypo	CG	-0.1257
Gm16	28561875	28561967	Gmdrm	hypo	CG	-0.307
Gm16	28566135	28566278	Gmdrm	hypo	CG	-0.946
Gm16	28571282	28571310	Gmdrm	hypo	CG	-0.72
Gm16	28579438	28579708	Gmdrm	hypo	CG	-0.1992
Gm16	28597483	28597654	Gmdrm	hypo	CG	-0.89
Gm16	28597943	28598150	Gmdrm	hypo	CG	-0.8614
Gm16	28603680	28603911	Gmdrm	hypo	CG	-0.0462
Gm16	28622247	28622373	Gmdrm	hypo	CG	-0.93
Gm16	28636070	28636372	Gmdrm	hypo	CG	-0.3945
Gm16	28636512	28636764	Gmdrm	hypo	CG	-0.478
Gm16	28640964	28641153	Gmdrm	hypo	CG	-0.9328
Gm16	28663418	28663591	Gmdrm	hypo	CG	-0.6617
Gm16	28666580	28667383	Gmdrm	hypo	CG	-0.1071
Gm16	28712343	28712413	Gmdrm	hypo	CG	-0.7134
Gm16	28722535	28722936	Gmdrm	hypo	CG	-0.0994
Gm16	28731667	28731822	Gmdrm	hypo	CG	-0.5258
Gm16	28734338	28734427	Gmdrm	hypo	CG	-0.66
Gm16	28735035	28735117	Gmdrm	hypo	CG	-0.4483
Gm16	28750560	28750677	Gmdrm	hypo	CG	-0.9449
Gm16	28758710	28758782	Gmdrm	hypo	CG	-0.0717
Gm16	28759500	28759758	Gmdrm	hypo	CG	-0.3433
Gm16	28760030	28760135	Gmdrm	hypo	CG	-0.226
Gm16	28760544	28760608	Gmdrm	hypo	CG	-0.6537
Gm16	28761222	28761486	Gmdrm	hypo	CG	-0.2229
Gm16	28771921	28772164	Gmdrm	hypo	CG	-0.05
Gm16	28772480	28772687	Gmdrm	hypo	CG	-0.9338
Gm16	28774456	28774607	Gmdrm	hypo	CG	-0.9062
Gm16	28817694	28818077	Gmdrm	hypo	CG	-0.2166
Gm16	28821962	28822215	Gmdrm	hypo	CG	-0.2164
Gm16	28823359	28823529	Gmdrm	hypo	CG	-0.6458
Gm16	28860563	28860598	Gmdrm	hypo	CG	-0.35
Gm16	28860718	28860852	Gmdrm	hypo	CG	-0.4987
Gm16	28863149	28863236	Gmdrm	hypo	CG	-0.2325
Gm16	28911463	28911631	Gmdrm	hypo	CG	-0.6526
Gm16	28932315	28932463	Gmdrm	hypo	CG	-0.671
Gm16	28932832	28933060	Gmdrm	hypo	CG	-0.536
Gm16	28933522	28933684	Gmdrm	hypo	CG	-0.3792
Gm16	28942266	28942312	Gmdrm	hypo	CG	-0.445
Gm16	28971579	28972356	Gmdrm	hypo	CG	-0.0233

Gm16	29022065	29022163	Gmdrm	hypo	CG	-0.194
Gm16	29041300	29041539	Gmdrm	hypo	CG	-0.36
Gm16	29048343	29048457	Gmdrm	hypo	CG	-0.775
Gm16	29061967	29062168	Gmdrm	hypo	CG	-0.2364
Gm16	29122385	29123362	Gmdrm	hypo	CG	-0.0343
Gm16	29130268	29130447	Gmdrm	hypo	CG	-0.905
Gm16	29137068	29137124	Gmdrm	hypo	CG	-0.1613
Gm16	29139069	29139173	Gmdrm	hypo	CG	-0.658
Gm16	29140980	29141062	Gmdrm	hypo	CG	-0.8
Gm16	29142248	29142377	Gmdrm	hypo	CG	-0.1234
Gm16	29160690	29160857	Gmdrm	hypo	CG	-0.5244
Gm16	29164720	29164811	Gmdrm	hypo	CG	-0.41
Gm16	29184578	29184611	Gmdrm	hypo	CG	-0.8283
Gm16	29199452	29199555	Gmdrm	hypo	CG	-0.1943
Gm16	29228848	29228945	Gmdrm	hypo	CG	-0.615
Gm16	29238033	29238180	Gmdrm	hypo	CG	-0.5091
Gm16	29238685	29238786	Gmdrm	hypo	CG	-0.7651
Gm16	29238935	29239173	Gmdrm	hypo	CG	-0.1728
Gm16	29241100	29241132	Gmdrm	hypo	CG	-0.2484
Gm16	29244675	29244916	Gmdrm	hypo	CG	-0.1325
Gm16	29275861	29276058	Gmdrm	hypo	CG	-0.225
Gm16	29279465	29279576	Gmdrm	hypo	CG	-0.75
Gm16	29281723	29281802	Gmdrm	hypo	CG	-0.2066
Gm16	29288188	29288253	Gmdrm	hypo	CG	-0.82
Gm16	29310577	29310747	Gmdrm	hypo	CG	-0.5314
Gm16	29323794	29323861	Gmdrm	hypo	CG	-0.4334
Gm16	29324035	29324224	Gmdrm	hypo	CG	-0.1839
Gm16	29332269	29332534	Gmdrm	hypo	CG	-0.5645
Gm16	29335199	29335344	Gmdrm	hypo	CG	-0.64
Gm16	29342109	29342592	Gmdrm	hypo	CG	-0.2217
Gm16	29347724	29347893	Gmdrm	hypo	CG	-0.4042
Gm16	29348069	29348200	Gmdrm	hypo	CG	-0.2378
Gm16	29354193	29354340	Gmdrm	hypo	CG	-0.4094
Gm16	29363927	29364126	Gmdrm	hypo	CG	-0.4371
Gm16	29378225	29378384	Gmdrm	hypo	CG	-0.149
Gm16	29379425	29379683	Gmdrm	hypo	CG	-0.8532
Gm16	29381719	29381812	Gmdrm	hypo	CG	-0.65
Gm16	29388677	29388767	Gmdrm	hypo	CG	-0.7475
Gm16	29395333	29395558	Gmdrm	hypo	CG	-0.9083
Gm16	29396514	29396552	Gmdrm	hypo	CG	-0.855
Gm16	29404212	29404610	Gmdrm	hypo	CG	-0.9044
Gm16	29404790	29404877	Gmdrm	hypo	CG	-0.2762
Gm16	29442204	29442265	Gmdrm	hypo	CG	-0.8262
Gm16	29442723	29442948	Gmdrm	hypo	CG	-0.345
Gm16	29457688	29457844	Gmdrm	hypo	CG	-0.1133
Gm16	29484230	29484405	Gmdrm	hypo	CG	-0.326

Gm16	29488229	29488477	Gmdrm	hypo	CG	-0.215
Gm16	29498259	29498629	Gmdrm	hypo	CG	-0.6006
Gm16	29514559	29514618	Gmdrm	hypo	CG	-0.5417
Gm16	29516057	29516169	Gmdrm	hypo	CG	-0.3238
Gm16	29516434	29516520	Gmdrm	hypo	CG	-0.5413
Gm16	29525215	29525295	Gmdrm	hypo	CG	-0.7634
Gm16	29536179	29536207	Gmdrm	hypo	CG	-0.625
Gm16	29546564	29546654	Gmdrm	hypo	CG	-0.8462
Gm16	29595070	29595129	Gmdrm	hypo	CG	-0.38
Gm16	29595485	29595647	Gmdrm	hypo	CG	-0.9725
Gm16	29598632	29598838	Gmdrm	hypo	CG	-0.9419
Gm16	29603462	29603540	Gmdrm	hypo	CG	-0.0817
Gm16	29608714	29609003	Gmdrm	hypo	CG	-0.5446
Gm16	29610720	29610917	Gmdrm	hypo	CG	-0.487
Gm16	29611791	29611883	Gmdrm	hypo	CG	-0.9857
Gm16	29642754	29642972	Gmdrm	hypo	CG	-0.405
Gm16	29643224	29643393	Gmdrm	hypo	CG	-0.81
Gm16	29710470	29710868	Gmdrm	hypo	CG	-0.3067
Gm16	29711162	29711220	Gmdrm	hypo	CG	-0.405
Gm16	29713719	29713847	Gmdrm	hypo	CG	-0.038
Gm16	29719773	29720029	Gmdrm	hypo	CG	-0.7846
Gm16	29726775	29726855	Gmdrm	hypo	CG	-0.935
Gm16	29727949	29728026	Gmdrm	hypo	CG	-0.785
Gm16	29735288	29735478	Gmdrm	hypo	CG	-0.0937
Gm16	29739476	29739525	Gmdrm	hypo	CG	-0.1034
Gm16	29771861	29771922	Gmdrm	hypo	CG	-0.8767
Gm16	29782277	29782634	Gmdrm	hypo	CG	-0.0352
Gm16	29782991	29783085	Gmdrm	hypo	CG	-0.4037
Gm16	29789954	29790050	Gmdrm	hypo	CG	-0.8167
Gm16	29791950	29792032	Gmdrm	hypo	CG	-0.9213
Gm16	29792193	29792322	Gmdrm	hypo	CG	-0.939
Gm16	29797526	29797658	Gmdrm	hypo	CG	-0.596
Gm16	29801263	29802258	Gmdrm	hypo	CG	-0.0231
Gm16	29864398	29864498	Gmdrm	hypo	CG	-0.1312
Gm16	29896975	29897043	Gmdrm	hypo	CG	-0.8512
Gm16	29911422	29911480	Gmdrm	hypo	CG	-0.59
Gm16	29918395	29918850	Gmdrm	hypo	CG	-0.0248
Gm16	29935736	29935761	Gmdrm	hypo	CG	-0.6767
Gm16	29940824	29940882	Gmdrm	hypo	CG	-0.2834
Gm16	29944320	29945029	Gmdrm	hypo	CG	-0.1388
Gm16	30065477	30065958	Gmdrm	hypo	CG	-0.8311
Gm16	30069752	30069789	Gmdrm	hypo	CG	-0.284
Gm16	30089568	30089879	Gmdrm	hypo	CG	-0.0272
Gm16	30103590	30104324	Gmdrm	hypo	CG	-0.1081
Gm16	30129729	30129786	Gmdrm	hypo	CG	-0.7816
Gm16	30129937	30130115	Gmdrm	hypo	CG	-0.7388

Gm16	30135525	30135601	Gmdrm	hypo	CG	-0.7917
Gm16	30139725	30139816	Gmdrm	hypo	CG	-0.87
Gm16	30140431	30140550	Gmdrm	hypo	CG	-0.47
Gm16	30140984	30141097	Gmdrm	hypo	CG	-0.6467
Gm16	30143690	30143835	Gmdrm	hypo	CG	-0.885
Gm16	30149929	30150447	Gmdrm	hypo	CG	-0.191
Gm16	30150597	30151042	Gmdrm	hypo	CG	-0.0602
Gm16	30210104	30210225	Gmdrm	hypo	CG	-0.34
Gm16	30213918	30214000	Gmdrm	hypo	CG	-0.052
Gm16	30219467	30219632	Gmdrm	hypo	CG	-0.6638
Gm16	30220675	30221004	Gmdrm	hypo	CG	-0.1176
Gm16	30227620	30228002	Gmdrm	hypo	CG	-0.1866
Gm16	30228896	30229077	Gmdrm	hypo	CG	-0.2621
Gm16	30235035	30235060	Gmdrm	hypo	CG	-0.9283
Gm16	30244252	30244466	Gmdrm	hypo	CG	-0.036
Gm16	30261925	30262283	Gmdrm	hypo	CG	-0.8131
Gm16	30283701	30283997	Gmdrm	hypo	CG	-0.6425
Gm16	30310788	30311023	Gmdrm	hypo	CG	-0.8867
Gm16	30313556	30313837	Gmdrm	hypo	CG	-0.7044
Gm16	30314300	30314479	Gmdrm	hypo	CG	-0.945
Gm16	30316600	30316806	Gmdrm	hypo	CG	-0.436
Gm16	30330378	30330489	Gmdrm	hypo	CG	-0.434
Gm16	30330650	30330870	Gmdrm	hypo	CG	-0.085
Gm16	30335372	30335479	Gmdrm	hypo	CG	-0.1
Gm16	30344288	30344429	Gmdrm	hypo	CG	-0.6462
Gm16	30356015	30356173	Gmdrm	hypo	CG	-0.0433
Gm16	30357752	30357777	Gmdrm	hypo	CG	-0.042
Gm16	30375808	30375840	Gmdrm	hypo	CG	-0.6384
Gm16	30376474	30376548	Gmdrm	hypo	CG	-0.2717
Gm16	30386903	30387045	Gmdrm	hypo	CG	-0.44
Gm16	30395428	30395517	Gmdrm	hypo	CG	-0.7533
Gm16	30413427	30413542	Gmdrm	hypo	CG	-0.2938
Gm16	30428578	30428633	Gmdrm	hypo	CG	-0.036
Gm16	30442276	30442565	Gmdrm	hypo	CG	-0.0518
Gm16	30443266	30443400	Gmdrm	hypo	CG	-0.214
Gm16	30453740	30453786	Gmdrm	hypo	CG	-0.4175
Gm16	30462475	30462583	Gmdrm	hypo	CG	-0.6733
Gm16	30471133	30471222	Gmdrm	hypo	CG	-0.0467
Gm16	30478859	30479095	Gmdrm	hypo	CG	-0.9277
Gm16	30496385	30496597	Gmdrm	hypo	CG	-0.59
Gm16	30521669	30521740	Gmdrm	hypo	CG	-0.6534
Gm16	30526500	30526643	Gmdrm	hypo	CG	-0.2111
Gm16	30534476	30534739	Gmdrm	hypo	CG	-0.7268
Gm16	30539802	30540016	Gmdrm	hypo	CG	-0.3481
Gm16	30557971	30558146	Gmdrm	hypo	CG	-0.206
Gm16	30559035	30559197	Gmdrm	hypo	CG	-0.6062

Gm16	30566596	30566767	Gmdrm	hypo	CG	-0.765
Gm16	30567454	30567628	Gmdrm	hypo	CG	-0.8891
Gm16	30569882	30570144	Gmdrm	hypo	CG	-0.6578
Gm16	30580715	30580832	Gmdrm	hypo	CG	-0.6024
Gm16	30587646	30587887	Gmdrm	hypo	CG	-0.2172
Gm16	30612043	30612202	Gmdrm	hypo	CG	-0.635
Gm16	30616121	30616173	Gmdrm	hypo	CG	-0.13
Gm16	30618191	30618326	Gmdrm	hypo	CG	-0.21
Gm16	30622010	30622148	Gmdrm	hypo	CG	-0.4667
Gm16	30624252	30624333	Gmdrm	hypo	CG	-0.4367
Gm16	30625372	30625420	Gmdrm	hypo	CG	-0.9075
Gm16	30625695	30625833	Gmdrm	hypo	CG	-0.533
Gm16	30673385	30673480	Gmdrm	hypo	CG	-0.216
Gm16	30674884	30674996	Gmdrm	hypo	CG	-0.6888
Gm16	30677806	30677914	Gmdrm	hypo	CG	-0.5842
Gm16	30682622	30682755	Gmdrm	hypo	CG	-0.278
Gm16	30700748	30701592	Gmdrm	hypo	CG	-0.1225
Gm16	30701954	30702203	Gmdrm	hypo	CG	-0.045
Gm16	30707029	30707074	Gmdrm	hypo	CG	-0.2438
Gm16	30723105	30723388	Gmdrm	hypo	CG	-0.8533
Gm16	30730532	30730637	Gmdrm	hypo	CG	-0.2128
Gm16	30736189	30736610	Gmdrm	hypo	CG	-0.1209
Gm16	30736749	30737068	Gmdrm	hypo	CG	-0.5785
Gm16	30740222	30740441	Gmdrm	hypo	CG	-0.084
Gm16	30740669	30740867	Gmdrm	hypo	CG	-0.165
Gm16	30777288	30777352	Gmdrm	hypo	CG	-0.0485
Gm16	30780853	30781302	Gmdrm	hypo	CG	-0.8439
Gm16	30788122	30788375	Gmdrm	hypo	CG	-0.1738
Gm16	30800953	30801136	Gmdrm	hypo	CG	-0.59
Gm16	30809881	30809900	Gmdrm	hypo	CG	-0.0717
Gm16	30816201	30816367	Gmdrm	hypo	CG	-0.125
Gm16	30819334	30819384	Gmdrm	hypo	CG	-0.743
Gm16	30821900	30822212	Gmdrm	hypo	CG	-0.6373
Gm16	30824778	30824953	Gmdrm	hypo	CG	-0.7475
Gm16	30830189	30830236	Gmdrm	hypo	CG	-0.975
Gm16	30842220	30842355	Gmdrm	hypo	CG	-0.5787
Gm16	30858002	30858175	Gmdrm	hypo	CG	-0.7662
Gm16	30858471	30858571	Gmdrm	hypo	CG	-0.305
Gm16	30858738	30858767	Gmdrm	hypo	CG	-0.3733
Gm16	30889894	30890266	Gmdrm	hypo	CG	-0.2013
Gm16	30906419	30906934	Gmdrm	hypo	CG	-0.8629
Gm16	30921528	30921564	Gmdrm	hypo	CG	-0.614
Gm16	30930041	30930327	Gmdrm	hypo	CG	-0.3133
Gm16	30955331	30955381	Gmdrm	hypo	CG	-0.668
Gm16	30960821	30960949	Gmdrm	hypo	CG	-0.815
Gm16	30974675	30974842	Gmdrm	hypo	CG	-0.3646

Gm16	30977361	30977600	Gmdrm	hypo	CG	-0.6525
Gm16	30980263	30980903	Gmdrm	hypo	CG	-0.0414
Gm16	30998373	30998611	Gmdrm	hypo	CG	-0.1371
Gm16	30999965	31000338	Gmdrm	hypo	CG	-0.2155
Gm16	31000458	31000620	Gmdrm	hypo	CG	-0.3212
Gm16	31009424	31009535	Gmdrm	hypo	CG	-0.535
Gm16	31020857	31021187	Gmdrm	hypo	CG	-0.3508
Gm16	31034480	31034617	Gmdrm	hypo	CG	-0.04
Gm16	31036853	31037324	Gmdrm	hypo	CG	-0.1076
Gm16	31085120	31085258	Gmdrm	hypo	CG	-0.8
Gm16	31091417	31091509	Gmdrm	hypo	CG	-0.5729
Gm16	31093813	31093934	Gmdrm	hypo	CG	-0.435
Gm16	31094178	31094408	Gmdrm	hypo	CG	-0.397
Gm16	31105816	31105903	Gmdrm	hypo	CG	-0.6488
Gm16	31146933	31147145	Gmdrm	hypo	CG	-0.1022
Gm16	31147641	31147816	Gmdrm	hypo	CG	-0.831
Gm16	31166401	31166604	Gmdrm	hypo	CG	-0.164
Gm16	31175453	31175645	Gmdrm	hypo	CG	-0.5367
Gm16	31175768	31176195	Gmdrm	hypo	CG	-0.5008
Gm16	31177407	31177506	Gmdrm	hypo	CG	-0.4899
Gm16	31180434	31180688	Gmdrm	hypo	CG	-0.4795
Gm16	31181004	31181082	Gmdrm	hypo	CG	-0.195
Gm16	31181194	31181390	Gmdrm	hypo	CG	-0.056
Gm16	31181790	31181869	Gmdrm	hypo	CG	-0.785
Gm16	31183900	31183996	Gmdrm	hypo	CG	-0.3975
Gm16	31194640	31194847	Gmdrm	hypo	CG	-0.7019
Gm16	31195116	31195219	Gmdrm	hypo	CG	-0.7657
Gm16	31201551	31201599	Gmdrm	hypo	CG	-0.125
Gm16	31203197	31203352	Gmdrm	hypo	CG	-0.8825
Gm16	31204935	31205311	Gmdrm	hypo	CG	-0.8489
Gm16	31224287	31224612	Gmdrm	hypo	CG	-0.6446
Gm16	31242254	31242468	Gmdrm	hypo	CG	-0.42
Gm16	31242683	31242799	Gmdrm	hypo	CG	-0.8487
Gm16	31253308	31253527	Gmdrm	hypo	CG	-0.6644
Gm16	31257279	31257419	Gmdrm	hypo	CG	-0.732
Gm16	31267561	31267731	Gmdrm	hypo	CG	-0.8383
Gm16	31267909	31268035	Gmdrm	hypo	CG	-0.8167
Gm16	31269167	31269444	Gmdrm	hypo	CG	-0.03
Gm16	31282925	31282979	Gmdrm	hypo	CG	-0.278
Gm16	31291145	31291222	Gmdrm	hypo	CG	-0.862
Gm16	31291412	31291450	Gmdrm	hypo	CG	-0.575
Gm16	31310339	31310399	Gmdrm	hypo	CG	-0.87
Gm16	31310514	31310712	Gmdrm	hypo	CG	-0.8482
Gm16	31311795	31312118	Gmdrm	hypo	CG	-0.5091
Gm16	31331094	31331254	Gmdrm	hypo	CG	-0.1033
Gm16	31333013	31333146	Gmdrm	hypo	CG	-0.0555

Gm16	31349998	31350042	Gmdrm	hypo	CG	-0.645
Gm16	31350679	31350729	Gmdrm	hypo	CG	-0.8283
Gm16	31369682	31369928	Gmdrm	hypo	CG	-0.3906
Gm16	31379785	31379871	Gmdrm	hypo	CG	-0.066
Gm16	31382744	31382769	Gmdrm	hypo	CG	-0.5217
Gm16	31385860	31386018	Gmdrm	hypo	CG	-0.5933
Gm16	31396039	31396290	Gmdrm	hypo	CG	-0.4545
Gm16	31403969	31404026	Gmdrm	hypo	CG	-0.7517
Gm16	31422681	31422807	Gmdrm	hypo	CG	-0.0375
Gm16	31429755	31429816	Gmdrm	hypo	CG	-0.3662
Gm16	31471401	31471483	Gmdrm	hypo	CG	-0.125
Gm16	31477361	31477369	Gmdrm	hypo	CG	-0.8133
Gm16	31478040	31478150	Gmdrm	hypo	CG	-0.925
Gm16	31487170	31487349	Gmdrm	hypo	CG	-0.562
Gm16	31488230	31488416	Gmdrm	hypo	CG	-0.4828
Gm16	31488684	31488961	Gmdrm	hypo	CG	-0.7373
Gm16	31489426	31489594	Gmdrm	hypo	CG	-0.8029
Gm16	31489966	31490116	Gmdrm	hypo	CG	-0.8237
Gm16	31490278	31490384	Gmdrm	hypo	CG	-0.6333
Gm16	31526798	31526829	Gmdrm	hypo	CG	-0.2588
Gm16	31526952	31527080	Gmdrm	hypo	CG	-0.427
Gm16	31545190	31545297	Gmdrm	hypo	CG	-0.8813
Gm16	31566044	31566785	Gmdrm	hypo	CG	-0.4495
Gm16	31575749	31575805	Gmdrm	hypo	CG	-0.4466
Gm16	31593122	31593319	Gmdrm	hypo	CG	-0.7328
Gm16	31594812	31594904	Gmdrm	hypo	CG	-0.085
Gm16	31598755	31598990	Gmdrm	hypo	CG	-0.9633
Gm16	31599975	31600626	Gmdrm	hypo	CG	-0.5547
Gm16	31607437	31607583	Gmdrm	hypo	CG	-0.5113
Gm16	31607837	31608034	Gmdrm	hypo	CG	-0.5144
Gm16	31629326	31629454	Gmdrm	hypo	CG	-0.9416
Gm16	31632731	31632826	Gmdrm	hypo	CG	-0.18
Gm16	31636670	31636732	Gmdrm	hypo	CG	-0.9117
Gm16	31663220	31663427	Gmdrm	hypo	CG	-0.0286
Gm16	31704413	31704657	Gmdrm	hypo	CG	-0.9835
Gm16	31705438	31705981	Gmdrm	hypo	CG	-0.921
Gm16	31714907	31715088	Gmdrm	hypo	CG	-0.705
Gm16	31726934	31727002	Gmdrm	hypo	CG	-0.04
Gm16	31757535	31757712	Gmdrm	hypo	CG	-0.5107
Gm16	31758275	31758411	Gmdrm	hypo	CG	-0.5586
Gm16	31758777	31758931	Gmdrm	hypo	CG	-0.045
Gm16	31763700	31763874	Gmdrm	hypo	CG	-0.8722
Gm16	31765001	31765086	Gmdrm	hypo	CG	-0.359
Gm16	31771180	31771295	Gmdrm	hypo	CG	-0.794
Gm16	31771514	31771652	Gmdrm	hypo	CG	-0.5775
Gm16	31821615	31821896	Gmdrm	hypo	CG	-0.2119

Gm16	31831658	31831771	Gmdrm	hypo	CG	-0.4555
Gm16	31838707	31838876	Gmdrm	hypo	CG	-0.4933
Gm16	31850400	31850613	Gmdrm	hypo	CG	-0.728
Gm16	31883076	31883220	Gmdrm	hypo	CG	-0.505
Gm16	31883883	31883957	Gmdrm	hypo	CG	-0.2512
Gm16	31884974	31885212	Gmdrm	hypo	CG	-0.8842
Gm16	31885470	31885491	Gmdrm	hypo	CG	-0.815
Gm16	31887172	31887696	Gmdrm	hypo	CG	-0.6074
Gm16	31889051	31889258	Gmdrm	hypo	CG	-0.2457
Gm16	31918714	31918761	Gmdrm	hypo	CG	-0.953
Gm16	31964987	31965190	Gmdrm	hypo	CG	-0.55
Gm16	31999426	31999777	Gmdrm	hypo	CG	-0.8635
Gm16	32015284	32015490	Gmdrm	hypo	CG	-0.9525
Gm16	32015732	32015818	Gmdrm	hypo	CG	-0.5726
Gm16	32016184	32016710	Gmdrm	hypo	CG	-0.4856
Gm16	32017175	32017406	Gmdrm	hypo	CG	-0.7805
Gm16	32020029	32020283	Gmdrm	hypo	CG	-0.3883
Gm16	32028544	32028680	Gmdrm	hypo	CG	-0.6613
Gm16	32051457	32051577	Gmdrm	hypo	CG	-0.4875
Gm16	32104137	32104281	Gmdrm	hypo	CG	-0.0723
Gm16	32141070	32141480	Gmdrm	hypo	CG	-0.3643
Gm16	32142051	32142111	Gmdrm	hypo	CG	-0.07
Gm16	32154177	32154376	Gmdrm	hypo	CG	-0.5885
Gm16	32160300	32160407	Gmdrm	hypo	CG	-0.408
Gm16	32160745	32161032	Gmdrm	hypo	CG	-0.3795
Gm16	32169872	32169910	Gmdrm	hypo	CG	-0.94
Gm16	32180430	32180487	Gmdrm	hypo	CG	-0.9317
Gm16	32185902	32186186	Gmdrm	hypo	CG	-0.0375
Gm16	32194768	32194857	Gmdrm	hypo	CG	-0.2513
Gm16	32194993	32195053	Gmdrm	hypo	CG	-0.9617
Gm16	32205831	32206066	Gmdrm	hypo	CG	-0.0767
Gm16	32206309	32206506	Gmdrm	hypo	CG	-0.8027
Gm16	32212769	32212900	Gmdrm	hypo	CG	-0.105
Gm16	32213844	32214043	Gmdrm	hypo	CG	-0.453
Gm16	32225695	32225865	Gmdrm	hypo	CG	-0.19
Gm16	32229072	32229167	Gmdrm	hypo	CG	-0.3034
Gm16	32238998	32239181	Gmdrm	hypo	CG	-0.5328
Gm16	32249596	32249743	Gmdrm	hypo	CG	-0.8187
Gm16	32278037	32278177	Gmdrm	hypo	CG	-0.1491
Gm16	32300937	32301072	Gmdrm	hypo	CG	-0.9091
Gm16	32309920	32310100	Gmdrm	hypo	CG	-0.9088
Gm16	32311346	32311452	Gmdrm	hypo	CG	-0.925
Gm16	32326951	32327092	Gmdrm	hypo	CG	-0.5223
Gm16	32369502	32369577	Gmdrm	hypo	CG	-0.0579
Gm16	32382954	32383047	Gmdrm	hypo	CG	-0.2149
Gm16	32384803	32385008	Gmdrm	hypo	CG	-0.9584

Gm16	32455057	32455167	Gmdrm	hypo	CG	-0.807
Gm16	32455362	32455454	Gmdrm	hypo	CG	-0.4724
Gm16	32462969	32463039	Gmdrm	hypo	CG	-0.6725
Gm16	32487385	32487411	Gmdrm	hypo	CG	-0.9616
Gm16	32492910	32493012	Gmdrm	hypo	CG	-0.95
Gm16	32494888	32494971	Gmdrm	hypo	CG	-0.028
Gm16	32524231	32524249	Gmdrm	hypo	CG	-0.9283
Gm16	32543477	32543671	Gmdrm	hypo	CG	-0.3301
Gm16	32563229	32563478	Gmdrm	hypo	CG	-0.5105
Gm16	32566647	32566675	Gmdrm	hypo	CG	-0.08
Gm16	32572765	32572918	Gmdrm	hypo	CG	-0.5137
Gm16	32573072	32573187	Gmdrm	hypo	CG	-0.054
Gm16	32576990	32577251	Gmdrm	hypo	CG	-0.8709
Gm16	32581579	32582197	Gmdrm	hypo	CG	-0.5428
Gm16	32616151	32616384	Gmdrm	hypo	CG	-0.3554
Gm16	32624070	32624224	Gmdrm	hypo	CG	-0.8157
Gm16	32629936	32630007	Gmdrm	hypo	CG	-0.0533
Gm16	32649874	32650009	Gmdrm	hypo	CG	-0.407
Gm16	32650115	32650233	Gmdrm	hypo	CG	-0.19
Gm16	32650350	32650589	Gmdrm	hypo	CG	-0.0609
Gm16	32657386	32657550	Gmdrm	hypo	CG	-0.8
Gm16	32658394	32658718	Gmdrm	hypo	CG	-0.7679
Gm16	32711238	32711457	Gmdrm	hypo	CG	-0.5772
Gm16	32716459	32716749	Gmdrm	hypo	CG	-0.035
Gm16	32716978	32717144	Gmdrm	hypo	CG	-0.06
Gm16	32735098	32735228	Gmdrm	hypo	CG	-0.8256
Gm16	32740135	32740165	Gmdrm	hypo	CG	-0.062
Gm16	32741318	32741368	Gmdrm	hypo	CG	-0.25
Gm16	32750536	32750688	Gmdrm	hypo	CG	-0.725
Gm16	32752614	32752669	Gmdrm	hypo	CG	-0.9483
Gm16	32752817	32752896	Gmdrm	hypo	CG	-0.9612
Gm16	32763829	32763856	Gmdrm	hypo	CG	-0.6938
Gm16	32769752	32769838	Gmdrm	hypo	CG	-0.404
Gm16	32801247	32801374	Gmdrm	hypo	CG	-0.4525
Gm16	32819938	32820139	Gmdrm	hypo	CG	-0.5464
Gm16	32832855	32832917	Gmdrm	hypo	CG	-0.048
Gm16	32853891	32854026	Gmdrm	hypo	CG	-0.56
Gm16	32859274	32859531	Gmdrm	hypo	CG	-0.5749
Gm16	32859755	32859848	Gmdrm	hypo	CG	-0.132
Gm16	32864119	32864210	Gmdrm	hypo	CG	-0.593
Gm16	32876519	32876955	Gmdrm	hypo	CG	-0.4514
Gm16	32887670	32888256	Gmdrm	hypo	CG	-0.4863
Gm16	32888516	32888564	Gmdrm	hypo	CG	-0.708
Gm16	32888719	32889019	Gmdrm	hypo	CG	-0.2133
Gm16	32892458	32892708	Gmdrm	hypo	CG	-0.0366
Gm16	32894940	32895046	Gmdrm	hypo	CG	-0.6483

Gm16	32906403	32906475	Gmdrm	hypo	CG	-0.1567
Gm16	32914214	32914474	Gmdrm	hypo	CG	-0.1571
Gm16	32918765	32918998	Gmdrm	hypo	CG	-0.1834
Gm16	32944559	32944650	Gmdrm	hypo	CG	-0.12
Gm16	32969837	32969882	Gmdrm	hypo	CG	-0.6529
Gm16	33064648	33064697	Gmdrm	hypo	CG	-0.21
Gm16	33091328	33091437	Gmdrm	hypo	CG	-0.36
Gm16	33094570	33094634	Gmdrm	hypo	CG	-0.2566
Gm16	33094803	33095010	Gmdrm	hypo	CG	-0.655
Gm16	33128840	33128883	Gmdrm	hypo	CG	-0.095
Gm16	33137501	33137565	Gmdrm	hypo	CG	-0.3767
Gm16	33143051	33143084	Gmdrm	hypo	CG	-0.7883
Gm16	33143693	33143778	Gmdrm	hypo	CG	-0.4224
Gm16	33145049	33145440	Gmdrm	hypo	CG	-0.7642
Gm16	33146246	33146476	Gmdrm	hypo	CG	-0.5663
Gm16	33163630	33163808	Gmdrm	hypo	CG	-0.4925
Gm16	33166658	33166803	Gmdrm	hypo	CG	-0.04
Gm16	33175028	33175218	Gmdrm	hypo	CG	-0.5166
Gm16	33186950	33187138	Gmdrm	hypo	CG	-0.793
Gm16	33218532	33218735	Gmdrm	hypo	CG	-0.2821
Gm16	33262026	33262217	Gmdrm	hypo	CG	-0.5908
Gm16	33266395	33266632	Gmdrm	hypo	CG	-0.0796
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Gm16	33268880	33268911	Gmdrm	hypo	CG	-0.1833
Gm16	33269974	33270092	Gmdrm	hypo	CG	-0.6325
Gm16	33272916	33273058	Gmdrm	hypo	CG	-0.4783
Gm16	33273205	33273552	Gmdrm	hypo	CG	-0.316
Gm16	33282316	33282470	Gmdrm	hypo	CG	-0.228
Gm16	33285056	33285116	Gmdrm	hypo	CG	-0.6863
Gm16	33297817	33297927	Gmdrm	hypo	CG	-0.236
Gm16	33300884	33301098	Gmdrm	hypo	CG	-0.585
Gm16	33302662	33302785	Gmdrm	hypo	CG	-0.3487
Gm16	33305245	33305314	Gmdrm	hypo	CG	-0.9263
Gm16	33305428	33305650	Gmdrm	hypo	CG	-0.4382
Gm16	33308480	33308536	Gmdrm	hypo	CG	-0.0929
Gm16	33310129	33310216	Gmdrm	hypo	CG	-0.4722
Gm16	33334321	33334511	Gmdrm	hypo	CG	-0.3742
Gm16	33337166	33337349	Gmdrm	hypo	CG	-0.494
Gm16	33348566	33348754	Gmdrm	hypo	CG	-0.4572
Gm16	33356864	33356977	Gmdrm	hypo	CG	-0.266
Gm16	33361406	33361712	Gmdrm	hypo	CG	-0.485
Gm16	33378546	33378654	Gmdrm	hypo	CG	-0.089
Gm16	33394273	33394368	Gmdrm	hypo	CG	-0.032
Gm16	33410591	33410711	Gmdrm	hypo	CG	-0.0306
Gm16	33417296	33417472	Gmdrm	hypo	CG	-0.8166
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Gm16	33431148	33431575	Gmdrm	hypo	CG	-0.1064
Gm16	33432664	33432837	Gmdrm	hypo	CG	-0.5967
Gm16	33436157	33436419	Gmdrm	hypo	CG	-0.0613
Gm16	33439198	33439306	Gmdrm	hypo	CG	-0.281
Gm16	33439853	33439971	Gmdrm	hypo	CG	-0.4275
Gm16	33440451	33440566	Gmdrm	hypo	CG	-0.4475
Gm16	33440807	33440901	Gmdrm	hypo	CG	-0.2687
Gm16	33443311	33443518	Gmdrm	hypo	CG	-0.6083
Gm16	33448419	33448511	Gmdrm	hypo	CG	-0.7916
Gm16	33449131	33449308	Gmdrm	hypo	CG	-0.2433
Gm16	33466635	33466831	Gmdrm	hypo	CG	-0.3211
Gm16	33514932	33515098	Gmdrm	hypo	CG	-0.3012
Gm16	33521427	33521586	Gmdrm	hypo	CG	-0.695
Gm16	33563668	33563784	Gmdrm	hypo	CG	-0.945
Gm16	33564220	33564418	Gmdrm	hypo	CG	-0.2229
Gm16	33572259	33572531	Gmdrm	hypo	CG	-0.4067
Gm16	33572648	33572700	Gmdrm	hypo	CG	-0.3199
Gm16	33573000	33573081	Gmdrm	hypo	CG	-0.1617
Gm16	33579331	33579791	Gmdrm	hypo	CG	-0.4331
Gm16	33624595	33624794	Gmdrm	hypo	CG	-0.1967
Gm16	33636267	33636366	Gmdrm	hypo	CG	-0.1545
Gm16	33654805	33655158	Gmdrm	hypo	CG	-0.0755
Gm16	33676589	33676780	Gmdrm	hypo	CG	-0.2688
Gm16	33677550	33677923	Gmdrm	hypo	CG	-0.4467
Gm16	33754366	33754434	Gmdrm	hypo	CG	-0.1666
Gm16	33761198	33761313	Gmdrm	hypo	CG	-0.348
Gm16	33766696	33766741	Gmdrm	hypo	CG	-0.1034
Gm16	33774830	33774913	Gmdrm	hypo	CG	-0.4983
Gm16	33780084	33780309	Gmdrm	hypo	CG	-0.1025
Gm16	33784643	33784685	Gmdrm	hypo	CG	-0.2734
Gm16	33793042	33793124	Gmdrm	hypo	CG	-0.04
Gm16	33805206	33805305	Gmdrm	hypo	CG	-0.21
Gm16	33806868	33807137	Gmdrm	hypo	CG	-0.1266
Gm16	33807271	33807306	Gmdrm	hypo	CG	-0.1666
Gm16	33810205	33810307	Gmdrm	hypo	CG	-0.3683
Gm16	33813929	33814022	Gmdrm	hypo	CG	-0.2732
Gm16	33814180	33814232	Gmdrm	hypo	CG	-0.4388
Gm16	33814487	33814610	Gmdrm	hypo	CG	-0.3538
Gm16	33817320	33817479	Gmdrm	hypo	CG	-0.0676
Gm16	33818967	33819073	Gmdrm	hypo	CG	-0.1517
Gm16	33822390	33822764	Gmdrm	hypo	CG	-0.0263
Gm16	33832991	33833026	Gmdrm	hypo	CG	-0.5116
Gm16	33835032	33835241	Gmdrm	hypo	CG	-0.197
Gm16	33842428	33843419	Gmdrm	hypo	CG	-0.028
Gm16	33859766	33859956	Gmdrm	hypo	CG	-0.6537
Gm16	33860528	33860603	Gmdrm	hypo	CG	-0.6275

Gm16	33860907	33861045	Gmdrm	hypo	CG	-0.335
Gm16	33863203	33863323	Gmdrm	hypo	CG	-0.8124
Gm16	33886042	33886068	Gmdrm	hypo	CG	-0.9467
Gm16	33890974	33891093	Gmdrm	hypo	CG	-0.4425
Gm16	33906702	33906803	Gmdrm	hypo	CG	-0.58
Gm16	33915698	33915787	Gmdrm	hypo	CG	-0.725
Gm16	33919015	33919093	Gmdrm	hypo	CG	-0.9817
Gm16	33919215	33919400	Gmdrm	hypo	CG	-0.8986
Gm16	33924340	33924376	Gmdrm	hypo	CG	-0.971
Gm16	33940478	33940596	Gmdrm	hypo	CG	-0.1891
Gm16	33944182	33944449	Gmdrm	hypo	CG	-0.9569
Gm16	33961564	33961798	Gmdrm	hypo	CG	-0.6016
Gm16	33974820	33974899	Gmdrm	hypo	CG	-0.67
Gm16	33975182	33975426	Gmdrm	hypo	CG	-0.9508
Gm16	33979541	33980050	Gmdrm	hypo	CG	-0.7139
Gm16	33980929	33981115	Gmdrm	hypo	CG	-0.11
Gm16	33981218	33981352	Gmdrm	hypo	CG	-0.0812
Gm16	33981508	33981718	Gmdrm	hypo	CG	-0.3533
Gm16	33985336	33985645	Gmdrm	hypo	CG	-0.078
Gm16	33992702	33992814	Gmdrm	hypo	CG	-0.3033
Gm16	33997655	33997772	Gmdrm	hypo	CG	-0.4075
Gm16	34010135	34010313	Gmdrm	hypo	CG	-0.155
Gm16	34013004	34013068	Gmdrm	hypo	CG	-0.704
Gm16	34028216	34028634	Gmdrm	hypo	CG	-0.0521
Gm16	34037096	34037211	Gmdrm	hypo	CG	-0.6025
Gm16	34041546	34041597	Gmdrm	hypo	CG	-0.2484
Gm16	34042214	34042420	Gmdrm	hypo	CG	-0.4037
Gm16	34043258	34043381	Gmdrm	hypo	CG	-0.1717
Gm16	34043655	34043723	Gmdrm	hypo	CG	-0.3684
Gm16	34044809	34044900	Gmdrm	hypo	CG	-0.675
Gm16	34045018	34045088	Gmdrm	hypo	CG	-0.6613
Gm16	34069736	34069897	Gmdrm	hypo	CG	-0.7238
Gm16	34089933	34090053	Gmdrm	hypo	CG	-0.052
Gm16	34120203	34120387	Gmdrm	hypo	CG	-0.9109
Gm16	34123436	34123535	Gmdrm	hypo	CG	-0.5826
Gm16	34123677	34123707	Gmdrm	hypo	CG	-0.8033
Gm16	34140721	34140949	Gmdrm	hypo	CG	-0.4533
Gm16	34141303	34141512	Gmdrm	hypo	CG	-0.3624
Gm16	34144269	34144432	Gmdrm	hypo	CG	-0.4917
Gm16	34156327	34156425	Gmdrm	hypo	CG	-0.6157
Gm16	34180971	34181137	Gmdrm	hypo	CG	-0.032
Gm16	34223067	34223165	Gmdrm	hypo	CG	-0.89
Gm16	34226221	34226320	Gmdrm	hypo	CG	-0.7043
Gm16	34251516	34251638	Gmdrm	hypo	CG	-0.944
Gm16	34251970	34252047	Gmdrm	hypo	CG	-0.8825
Gm16	34258290	34258384	Gmdrm	hypo	CG	-0.945

Gm16	34261030	34261132	Gmdrm	hypo	CG	-0.706
Gm16	34262964	34263136	Gmdrm	hypo	CG	-0.0667
Gm16	34264365	34264382	Gmdrm	hypo	CG	-0.4684
Gm16	34280203	34280318	Gmdrm	hypo	CG	-0.5666
Gm16	34297867	34298068	Gmdrm	hypo	CG	-0.9369
Gm16	34305909	34305938	Gmdrm	hypo	CG	-0.7513
Gm16	34306070	34306411	Gmdrm	hypo	CG	-0.3768
Gm16	34306638	34306860	Gmdrm	hypo	CG	-0.279
Gm16	34315883	34315963	Gmdrm	hypo	CG	-0.3938
Gm16	34321703	34321740	Gmdrm	hypo	CG	-0.825
Gm16	34321857	34322064	Gmdrm	hypo	CG	-0.78
Gm16	34327391	34327797	Gmdrm	hypo	CG	-0.1945
Gm16	34328094	34328292	Gmdrm	hypo	CG	-0.3472
Gm16	34328605	34328788	Gmdrm	hypo	CG	-0.2021
Gm16	34354964	34355199	Gmdrm	hypo	CG	-0.4075
Gm16	34355888	34356031	Gmdrm	hypo	CG	-0.3457
Gm16	34393404	34393474	Gmdrm	hypo	CG	-0.6063
Gm16	34403505	34403623	Gmdrm	hypo	CG	-0.2842
Gm16	34425197	34425401	Gmdrm	hypo	CG	-0.2749
Gm16	34432264	34432393	Gmdrm	hypo	CG	-0.6266
Gm16	34473534	34473591	Gmdrm	hypo	CG	-0.335
Gm16	34473921	34474118	Gmdrm	hypo	CG	-0.4992
Gm16	34475554	34475576	Gmdrm	hypo	CG	-0.9033
Gm16	34488678	34488719	Gmdrm	hypo	CG	-0.1717
Gm16	34489063	34489525	Gmdrm	hypo	CG	-0.3388
Gm16	34521849	34522122	Gmdrm	hypo	CG	-0.0943
Gm16	34523141	34523702	Gmdrm	hypo	CG	-0.1924
Gm16	34547814	34547884	Gmdrm	hypo	CG	-0.065
Gm16	34572953	34573052	Gmdrm	hypo	CG	-0.5117
Gm16	34573792	34573942	Gmdrm	hypo	CG	-0.8866
Gm16	34585396	34585577	Gmdrm	hypo	CG	-0.8825
Gm16	34600085	34600186	Gmdrm	hypo	CG	-0.9567
Gm16	34600288	34600443	Gmdrm	hypo	CG	-0.5766
Gm16	34614340	34614503	Gmdrm	hypo	CG	-0.585
Gm16	34615252	34615375	Gmdrm	hypo	CG	-0.2166
Gm16	34640672	34640772	Gmdrm	hypo	CG	-0.224
Gm16	34719000	34719086	Gmdrm	hypo	CG	-0.252
Gm16	34806841	34807184	Gmdrm	hypo	CG	-0.0306
Gm16	34854531	34854648	Gmdrm	hypo	CG	-0.2283
Gm16	34862837	34862889	Gmdrm	hypo	CG	-0.6267
Gm16	34892058	34892151	Gmdrm	hypo	CG	-0.1134
Gm16	34916088	34916248	Gmdrm	hypo	CG	-0.4486
Gm16	34927351	34927511	Gmdrm	hypo	CG	-0.4826
Gm16	34930412	34930560	Gmdrm	hypo	CG	-0.2813
Gm16	35007266	35007384	Gmdrm	hypo	CG	-0.0838
Gm16	35025906	35026096	Gmdrm	hypo	CG	-0.41

Gm16	35139323	35139441	Gmdrm	hypo	CG	-0.15
Gm16	35167401	35167513	Gmdrm	hypo	CG	-0.174
Gm16	35172598	35172816	Gmdrm	hypo	CG	-0.0886
Gm16	35173109	35173305	Gmdrm	hypo	CG	-0.2342
Gm16	35174813	35174875	Gmdrm	hypo	CG	-0.7371
Gm16	35177176	35177222	Gmdrm	hypo	CG	-0.5037
Gm16	35177342	35177446	Gmdrm	hypo	CG	-0.3362
Gm16	35177800	35178139	Gmdrm	hypo	CG	-0.346
Gm16	35178750	35178964	Gmdrm	hypo	CG	-0.5288
Gm16	35180526	35180751	Gmdrm	hypo	CG	-0.1869
Gm16	35184355	35184383	Gmdrm	hypo	CG	-0.3467
Gm16	35187667	35187754	Gmdrm	hypo	CG	-0.65
Gm16	35203376	35203497	Gmdrm	hypo	CG	-0.44
Gm16	35207183	35207373	Gmdrm	hypo	CG	-0.6763
Gm16	35208116	35208244	Gmdrm	hypo	CG	-0.2458
Gm16	35208453	35208691	Gmdrm	hypo	CG	-0.467
Gm16	35211344	35211545	Gmdrm	hypo	CG	-0.4257
Gm16	35211654	35211833	Gmdrm	hypo	CG	-0.4267
Gm16	35212239	35212301	Gmdrm	hypo	CG	-0.29
Gm16	35212612	35212759	Gmdrm	hypo	CG	-0.572
Gm16	35214962	35215399	Gmdrm	hypo	CG	-0.4305
Gm16	35215849	35215876	Gmdrm	hypo	CG	-0.3867
Gm16	35218165	35218283	Gmdrm	hypo	CG	-0.2276
Gm16	35219989	35220136	Gmdrm	hypo	CG	-0.0987
Gm16	35229955	35230317	Gmdrm	hypo	CG	-0.0533
Gm16	35236619	35236954	Gmdrm	hypo	CG	-0.092
Gm16	35271477	35271512	Gmdrm	hypo	CG	-0.09
Gm16	35273318	35273391	Gmdrm	hypo	CG	-0.668
Gm16	35273629	35273675	Gmdrm	hypo	CG	-0.6974
Gm16	35273828	35273915	Gmdrm	hypo	CG	-0.9684
Gm16	35295859	35296314	Gmdrm	hypo	CG	-0.0573
Gm16	35298469	35298630	Gmdrm	hypo	CG	-0.1633
Gm16	35319047	35319075	Gmdrm	hypo	CG	-0.0616
Gm16	35363544	35363572	Gmdrm	hypo	CG	-0.1767
Gm16	35410115	35410247	Gmdrm	hypo	CG	-0.032
Gm16	35455679	35455970	Gmdrm	hypo	CG	-0.9419
Gm16	35461238	35461497	Gmdrm	hypo	CG	-0.0756
Gm16	35467447	35467822	Gmdrm	hypo	CG	-0.0884
Gm16	35514408	35514616	Gmdrm	hypo	CG	-0.0507
Gm16	35544434	35544594	Gmdrm	hypo	CG	-0.46
Gm16	35547954	35548108	Gmdrm	hypo	CG	-0.1063
Gm16	35548293	35548430	Gmdrm	hypo	CG	-0.3175
Gm16	35550712	35550956	Gmdrm	hypo	CG	-0.1012
Gm16	35554721	35554811	Gmdrm	hypo	CG	-0.185
Gm16	35555253	35555314	Gmdrm	hypo	CG	-0.2133
Gm16	35584844	35585003	Gmdrm	hypo	CG	-0.4743

Gm16	35587087	35587190	Gmdrm	hypo	CG	-0.232
Gm16	35588642	35588714	Gmdrm	hypo	CG	-0.1883
Gm16	35591727	35591809	Gmdrm	hypo	CG	-0.18
Gm16	35592145	35592452	Gmdrm	hypo	CG	-0.3606
Gm16	35595672	35595700	Gmdrm	hypo	CG	-0.1433
Gm16	35603768	35603895	Gmdrm	hypo	CG	-0.4
Gm16	35605008	35605080	Gmdrm	hypo	CG	-0.1784
Gm16	35618201	35618287	Gmdrm	hypo	CG	-0.0549
Gm16	35626366	35626526	Gmdrm	hypo	CG	-0.28
Gm16	35632466	35632569	Gmdrm	hypo	CG	-0.115
Gm16	35634119	35634160	Gmdrm	hypo	CG	-0.3283
Gm16	35655686	35655891	Gmdrm	hypo	CG	-0.4175
Gm16	35671942	35671969	Gmdrm	hypo	CG	-0.285
Gm16	35673560	35673696	Gmdrm	hypo	CG	-0.0329
Gm16	35696060	35696434	Gmdrm	hypo	CG	-0.0463
Gm16	35702321	35702476	Gmdrm	hypo	CG	-0.1912
Gm16	35726844	35726999	Gmdrm	hypo	CG	-0.5017
Gm16	35727541	35727750	Gmdrm	hypo	CG	-0.0858
Gm16	35747842	35748002	Gmdrm	hypo	CG	-0.06
Gm16	35776080	35776162	Gmdrm	hypo	CG	-0.524
Gm16	35777614	35777631	Gmdrm	hypo	CG	-0.43
Gm16	35788315	35788511	Gmdrm	hypo	CG	-0.2663
Gm16	35790688	35790848	Gmdrm	hypo	CG	-0.342
Gm16	35794800	35794926	Gmdrm	hypo	CG	-0.1126
Gm16	35798293	35798616	Gmdrm	hypo	CG	-0.3428
Gm16	35807552	35807692	Gmdrm	hypo	CG	-0.0755
Gm16	35827022	35827108	Gmdrm	hypo	CG	-0.1413
Gm16	35849384	35849448	Gmdrm	hypo	CG	-0.1983
Gm16	35901414	35901900	Gmdrm	hypo	CG	-0.0738
Gm16	35928283	35928408	Gmdrm	hypo	CG	-0.2855
Gm16	35969024	35969150	Gmdrm	hypo	CG	-0.6878
Gm16	35969506	35969518	Gmdrm	hypo	CG	-0.1483
Gm16	35972340	35972459	Gmdrm	hypo	CG	-0.9767
Gm16	35972588	35972634	Gmdrm	hypo	CG	-0.975
Gm16	36024078	36024292	Gmdrm	hypo	CG	-0.3811
Gm16	36028622	36028771	Gmdrm	hypo	CG	-0.1518
Gm16	36041068	36041231	Gmdrm	hypo	CG	-0.07
Gm16	36058448	36058466	Gmdrm	hypo	CG	-0.394
Gm16	36074416	36074863	Gmdrm	hypo	CG	-0.7806
Gm16	36084886	36085076	Gmdrm	hypo	CG	-0.174
Gm16	36085367	36085620	Gmdrm	hypo	CG	-0.954
Gm16	36135101	36135280	Gmdrm	hypo	CG	-0.089
Gm16	36180879	36181039	Gmdrm	hypo	CG	-0.904
Gm16	36181148	36181303	Gmdrm	hypo	CG	-0.6162
Gm16	36251132	36251178	Gmdrm	hypo	CG	-0.8925
Gm16	36251287	36251369	Gmdrm	hypo	CG	-0.7716

Gm16	36252134	36252395	Gmdrm	hypo	CG	-0.782
Gm16	36266748	36266897	Gmdrm	hypo	CG	-0.2525
Gm16	36267062	36267202	Gmdrm	hypo	CG	-0.157
Gm16	36270928	36271198	Gmdrm	hypo	CG	-0.8356
Gm16	36285938	36286027	Gmdrm	hypo	CG	-0.2216
Gm16	36303350	36303476	Gmdrm	hypo	CG	-0.931
Gm16	36306786	36306913	Gmdrm	hypo	CG	-0.672
Gm16	36319913	36320086	Gmdrm	hypo	CG	-0.5592
Gm16	36324482	36324570	Gmdrm	hypo	CG	-0.8917
Gm16	36335807	36335989	Gmdrm	hypo	CG	-0.8866
Gm16	36339970	36340067	Gmdrm	hypo	CG	-0.04
Gm16	36353638	36353812	Gmdrm	hypo	CG	-0.0425
Gm16	36365563	36365585	Gmdrm	hypo	CG	-0.3917
Gm16	36371980	36372023	Gmdrm	hypo	CG	-0.7412
Gm16	36376281	36376392	Gmdrm	hypo	CG	-0.1725
Gm16	36377176	36377573	Gmdrm	hypo	CG	-0.514
Gm16	36406960	36406984	Gmdrm	hypo	CG	-0.7134
Gm16	36418242	36418355	Gmdrm	hypo	CG	-0.38
Gm16	36421587	36421637	Gmdrm	hypo	CG	-0.926
Gm16	36421743	36421868	Gmdrm	hypo	CG	-0.9249
Gm16	36434248	36434336	Gmdrm	hypo	CG	-0.6963
Gm16	36434594	36434830	Gmdrm	hypo	CG	-0.8829
Gm16	36435012	36435094	Gmdrm	hypo	CG	-0.67
Gm16	36440427	36440745	Gmdrm	hypo	CG	-0.8163
Gm16	36444780	36444882	Gmdrm	hypo	CG	-0.7188
Gm16	36480739	36481142	Gmdrm	hypo	CG	-0.9221
Gm16	36534204	36534690	Gmdrm	hypo	CG	-0.6028
Gm16	36544163	36544183	Gmdrm	hypo	CG	-0.616
Gm16	36555110	36555275	Gmdrm	hypo	CG	-0.029
Gm16	36555477	36555709	Gmdrm	hypo	CG	-0.3817
Gm16	36561221	36561324	Gmdrm	hypo	CG	-0.86
Gm16	36574972	36575418	Gmdrm	hypo	CG	-0.1458
Gm16	36580646	36580749	Gmdrm	hypo	CG	-0.85
Gm16	36595683	36595760	Gmdrm	hypo	CG	-0.245
Gm16	36597308	36597582	Gmdrm	hypo	CG	-0.5153
Gm16	36601659	36601791	Gmdrm	hypo	CG	-0.6905
Gm16	36603524	36603627	Gmdrm	hypo	CG	-0.9172
Gm16	36611907	36611984	Gmdrm	hypo	CG	-0.948
Gm16	36651967	36652636	Gmdrm	hypo	CG	-0.7776
Gm16	36664059	36664216	Gmdrm	hypo	CG	-0.0816
Gm16	36756527	36756758	Gmdrm	hypo	CG	-0.446
Gm16	36757465	36757631	Gmdrm	hypo	CG	-0.7583
Gm16	36762168	36762752	Gmdrm	hypo	CG	-0.8999
Gm16	36774235	36774307	Gmdrm	hypo	CG	-0.2833
Gm16	36784895	36784985	Gmdrm	hypo	CG	-0.83
Gm16	36785394	36785481	Gmdrm	hypo	CG	-0.935

Gm16	36807809	36807969	Gmdrm	hypo	CG	-0.425
Gm16	36864887	36865008	Gmdrm	hypo	CG	-0.6975
Gm16	36865890	36866044	Gmdrm	hypo	CG	-0.8357
Gm16	36873341	36873692	Gmdrm	hypo	CG	-0.431
Gm16	36915593	36915985	Gmdrm	hypo	CG	-0.253
Gm16	36946042	36946126	Gmdrm	hypo	CG	-0.7612
Gm16	36948651	36948733	Gmdrm	hypo	CG	-0.8857
Gm16	36949010	36949276	Gmdrm	hypo	CG	-0.6107
Gm16	36955444	36955501	Gmdrm	hypo	CG	-0.4237
Gm16	36995707	36995820	Gmdrm	hypo	CG	-0.2081
Gm16	37000312	37000747	Gmdrm	hypo	CG	-0.632
Gm16	37000885	37001043	Gmdrm	hypo	CG	-0.974
Gm16	37004033	37004148	Gmdrm	hypo	CG	-0.6238
Gm16	37004322	37004338	Gmdrm	hypo	CG	-0.575
Gm16	37010552	37010610	Gmdrm	hypo	CG	-0.6837
Gm16	37088179	37088382	Gmdrm	hypo	CG	-0.3411
Gm16	37182483	37182825	Gmdrm	hypo	CG	-0.5263
Gm16	37183095	37183123	Gmdrm	hypo	CG	-0.355
Gm16	37205142	37205208	Gmdrm	hypo	CG	-0.93
Gm16	37207735	37207869	Gmdrm	hypo	CG	-0.575
Gm16	37243260	37243315	Gmdrm	hypo	CG	-0.84
Gm16	37290727	37290886	Gmdrm	hypo	CG	-0.7488
Gm16	37379035	37379146	Gmdrm	hypo	CG	-0.544
Gm16	37383300	37383535	Gmdrm	hypo	CG	-0.045
Gm16	37405674	37405762	Gmdrm	hypo	CG	-0.728
Gm16	37428897	37429472	Gmdrm	hypo	CG	-0.1022
Gm16	37525986	37526088	Gmdrm	hypo	CG	-0.517
Gm16	37526502	37526677	Gmdrm	hypo	CG	-0.7983
Gm16	37568821	37569054	Gmdrm	hypo	CG	-0.6342
Gm16	37594873	37595001	Gmdrm	hypo	CG	-0.058
Gm16	37625008	37625279	Gmdrm	hypo	CG	-0.04
Gm16	37642259	37642537	Gmdrm	hypo	CG	-0.461
Gm16	37681428	37681762	Gmdrm	hypo	CG	-0.8236
Gm16	37700567	37700812	Gmdrm	hypo	CG	-0.2619
Gm16	37703485	37703734	Gmdrm	hypo	CG	-0.0616
Gm16	37738647	37738673	Gmdrm	hypo	CG	-0.8583
Gm16	37741718	37742393	Gmdrm	hypo	CG	-0.1212
Gm16	37750493	37750628	Gmdrm	hypo	CG	-0.04
Gm16	37762882	37762972	Gmdrm	hypo	CG	-0.722
Gm16	37785743	37785846	Gmdrm	hypo	CG	-0.7
Gm16	37812110	37812233	Gmdrm	hypo	CG	-0.8512
Gm16	37830512	37830755	Gmdrm	hypo	CG	-0.44
Gm16	37851507	37851743	Gmdrm	hypo	CG	-0.3943
Gm16	37865194	37865289	Gmdrm	hypo	CG	-0.6016
Gm16	37878612	37878951	Gmdrm	hypo	CG	-0.7843
Gm16	37891112	37891172	Gmdrm	hypo	CG	-0.3934

Gm16	37891467	37891526	Gmdrm	hypo	CG	-0.97
Gm16	37896929	37897343	Gmdrm	hypo	CG	-0.1752
Gm16	37902662	37902710	Gmdrm	hypo	CG	-0.3312
Gm16	37902875	37902926	Gmdrm	hypo	CG	-0.2212
Gm16	37909463	37909498	Gmdrm	hypo	CG	-0.4583
Gm16	37909673	37909843	Gmdrm	hypo	CG	-0.6183
Gm16	37935942	37935971	Gmdrm	hypo	CG	-1
Gm16	37936849	37936979	Gmdrm	hypo	CG	-0.8611
Gm16	37960280	37960403	Gmdrm	hypo	CG	-0.31
Gm16	37964204	37964232	Gmdrm	hypo	CG	-0.9317
Gm16	37969334	37969549	Gmdrm	hypo	CG	-0.5067
Gm16	37987735	37987784	Gmdrm	hypo	CG	-0.9217
Gm16	37988294	37988423	Gmdrm	hypo	CG	-0.6734
Gm16	38008505	38008716	Gmdrm	hypo	CG	-0.293
Gm16	38009456	38009748	Gmdrm	hypo	CG	-0.0687
Gm16	38012998	38013221	Gmdrm	hypo	CG	-0.6395
Gm16	38041672	38041879	Gmdrm	hypo	CG	-0.4869
Gm16	38068805	38068903	Gmdrm	hypo	CG	-0.9466
Gm16	38069058	38069140	Gmdrm	hypo	CG	-0.796
Gm16	38085426	38085552	Gmdrm	hypo	CG	-0.03
Gm16	38093784	38094015	Gmdrm	hypo	CG	-0.0358
Gm16_scaffo	872	1164	Gmdrm	hypo	CG	-0.7305
Gm16_scaffo	3132	3275	Gmdrm	hypo	CG	-0.572
Gm16_scaffo	4578	4740	Gmdrm	hypo	CG	-0.4987
Gm16_scaffo	6165	6280	Gmdrm	hypo	CG	-0.6526
Gm16_scaffo	17613	17930	Gmdrm	hypo	CG	-0.4664
Gm16_scaffo	18080	18241	Gmdrm	hypo	CG	-0.3775
Gm16_scaffo	19175	19322	Gmdrm	hypo	CG	-0.435
Gm16_scaffo	624	699	Gmdrm	hypo	CG	-0.8
Gm16_scaffo	2441	2620	Gmdrm	hypo	CG	-0.744
Gm17	7679	8128	Gmdrm	hypo	CG	-0.4011
Gm17	8300	8423	Gmdrm	hypo	CG	-0.0767
Gm17	16754	16924	Gmdrm	hypo	CG	-0.728
Gm17	17039	17111	Gmdrm	hypo	CG	-0.6588
Gm17	24951	25075	Gmdrm	hypo	CG	-0.217
Gm17	25272	25431	Gmdrm	hypo	CG	-0.7608
Gm17	25694	25760	Gmdrm	hypo	CG	-0.6134
Gm17	33631	33682	Gmdrm	hypo	CG	-0.3875
Gm17	69141	69249	Gmdrm	hypo	CG	-0.5875
Gm17	79434	79809	Gmdrm	hypo	CG	-0.8607
Gm17	93592	93805	Gmdrm	hypo	CG	-0.8742
Gm17	114486	114753	Gmdrm	hypo	CG	-0.086
Gm17	145530	145652	Gmdrm	hypo	CG	-0.7125
Gm17	163339	163598	Gmdrm	hypo	CG	-0.1431
Gm17	175174	175440	Gmdrm	hypo	CG	-0.0546
Gm17	216446	216557	Gmdrm	hypo	CG	-0.8875

Gm17	244121	244183 Gmdrm	hypo	CG	-0.9
Gm17	263098	263349 Gmdrm	hypo	CG	-0.6569
Gm17	263767	263927 Gmdrm	hypo	CG	-0.5308
Gm17	266883	267155 Gmdrm	hypo	CG	-0.4079
Gm17	273872	274041 Gmdrm	hypo	CG	-0.056
Gm17	295713	295900 Gmdrm	hypo	CG	-0.502
Gm17	327808	327897 Gmdrm	hypo	CG	-0.63
Gm17	328016	328165 Gmdrm	hypo	CG	-0.8358
Gm17	348568	348721 Gmdrm	hypo	CG	-0.034
Gm17	350715	350951 Gmdrm	hypo	CG	-0.455
Gm17	372791	372815 Gmdrm	hypo	CG	-0.8612
Gm17	374087	374173 Gmdrm	hypo	CG	-0.918
Gm17	377175	377205 Gmdrm	hypo	CG	-0.582
Gm17	381463	381571 Gmdrm	hypo	CG	-0.6
Gm17	390837	390908 Gmdrm	hypo	CG	-0.8025
Gm17	391076	391783 Gmdrm	hypo	CG	-0.1463
Gm17	393310	393708 Gmdrm	hypo	CG	-0.3836
Gm17	393857	393985 Gmdrm	hypo	CG	-0.644
Gm17	406890	407007 Gmdrm	hypo	CG	-0.963
Gm17	407115	407199 Gmdrm	hypo	CG	-0.69
Gm17	426564	426640 Gmdrm	hypo	CG	-0.5717
Gm17	428010	428240 Gmdrm	hypo	CG	-0.81
Gm17	436450	436560 Gmdrm	hypo	CG	-0.758
Gm17	457844	458117 Gmdrm	hypo	CG	-0.36
Gm17	491305	491406 Gmdrm	hypo	CG	-0.411
Gm17	524806	524890 Gmdrm	hypo	CG	-0.6563
Gm17	525431	525736 Gmdrm	hypo	CG	-0.8263
Gm17	525941	526073 Gmdrm	hypo	CG	-0.8812
Gm17	526535	526735 Gmdrm	hypo	CG	-0.8717
Gm17	539315	539483 Gmdrm	hypo	CG	-0.345
Gm17	551034	551210 Gmdrm	hypo	CG	-0.3436
Gm17	586194	586334 Gmdrm	hypo	CG	-0.062
Gm17	598036	598169 Gmdrm	hypo	CG	-0.2819
Gm17	604564	604646 Gmdrm	hypo	CG	-0.89
Gm17	604825	604913 Gmdrm	hypo	CG	-0.926
Gm17	614239	614403 Gmdrm	hypo	CG	-0.685
Gm17	614990	615144 Gmdrm	hypo	CG	-0.03
Gm17	657196	657311 Gmdrm	hypo	CG	-0.1483
Gm17	680302	680485 Gmdrm	hypo	CG	-0.9631
Gm17	695873	695995 Gmdrm	hypo	CG	-0.2992
Gm17	745271	745417 Gmdrm	hypo	CG	-0.0517
Gm17	750726	750750 Gmdrm	hypo	CG	-0.5084
Gm17	750977	751055 Gmdrm	hypo	CG	-0.5884
Gm17	752926	753098 Gmdrm	hypo	CG	-0.8716
Gm17	798189	798702 Gmdrm	hypo	CG	-0.8458
Gm17	805254	805616 Gmdrm	hypo	CG	-0.36

Gm17	845464	845600 Gmdrm	hypo	CG	-0.725
Gm17	865069	865240 Gmdrm	hypo	CG	-0.2675
Gm17	907179	907211 Gmdrm	hypo	CG	-0.7317
Gm17	934188	934281 Gmdrm	hypo	CG	-0.87
Gm17	955748	955772 Gmdrm	hypo	CG	-0.0317
Gm17	959828	959917 Gmdrm	hypo	CG	-0.4449
Gm17	963001	963135 Gmdrm	hypo	CG	-0.7225
Gm17	963698	963790 Gmdrm	hypo	CG	-0.8138
Gm17	968070	968421 Gmdrm	hypo	CG	-0.0672
Gm17	992613	992671 Gmdrm	hypo	CG	-0.915
Gm17	996623	996934 Gmdrm	hypo	CG	-0.2389
Gm17	1045358	1045561 Gmdrm	hypo	CG	-0.8132
Gm17	1046914	1047045 Gmdrm	hypo	CG	-0.4
Gm17	1069501	1069648 Gmdrm	hypo	CG	-0.9307
Gm17	1084692	1084806 Gmdrm	hypo	CG	-0.8306
Gm17	1084921	1085455 Gmdrm	hypo	CG	-0.5723
Gm17	1085779	1085976 Gmdrm	hypo	CG	-0.635
Gm17	1086089	1086206 Gmdrm	hypo	CG	-0.7937
Gm17	1088820	1088905 Gmdrm	hypo	CG	-0.934
Gm17	1121362	1121397 Gmdrm	hypo	CG	-0.335
Gm17	1122142	1122363 Gmdrm	hypo	CG	-0.6885
Gm17	1134507	1134680 Gmdrm	hypo	CG	-0.6108
Gm17	1155580	1155916 Gmdrm	hypo	CG	-0.4536
Gm17	1161012	1161433 Gmdrm	hypo	CG	-0.1783
Gm17	1163030	1163354 Gmdrm	hypo	CG	-0.129
Gm17	1163574	1163720 Gmdrm	hypo	CG	-0.215
Gm17	1209620	1209818 Gmdrm	hypo	CG	-0.0517
Gm17	1217447	1218029 Gmdrm	hypo	CG	-0.701
Gm17	1235007	1235404 Gmdrm	hypo	CG	-0.054
Gm17	1247627	1247959 Gmdrm	hypo	CG	-0.6683
Gm17	1275625	1275923 Gmdrm	hypo	CG	-0.035
Gm17	1294094	1294664 Gmdrm	hypo	CG	-0.592
Gm17	1308552	1308692 Gmdrm	hypo	CG	-0.2228
Gm17	1325321	1325455 Gmdrm	hypo	CG	-0.2118
Gm17	1331551	1331734 Gmdrm	hypo	CG	-0.4357
Gm17	1333515	1333536 Gmdrm	hypo	CG	-0.9367
Gm17	1336422	1336553 Gmdrm	hypo	CG	-0.09
Gm17	1351462	1351534 Gmdrm	hypo	CG	-0.7962
Gm17	1374280	1374383 Gmdrm	hypo	CG	-0.7163
Gm17	1374656	1374701 Gmdrm	hypo	CG	-0.314
Gm17	1376850	1377075 Gmdrm	hypo	CG	-0.4825
Gm17	1397996	1398237 Gmdrm	hypo	CG	-0.8861
Gm17	1404315	1404514 Gmdrm	hypo	CG	-0.07
Gm17	1433640	1433801 Gmdrm	hypo	CG	-0.9579
Gm17	1433906	1434046 Gmdrm	hypo	CG	-0.975
Gm17	1446023	1446089 Gmdrm	hypo	CG	-0.292

Gm17	1458505	1458552 Gmdrm	hypo	CG	-0.725
Gm17	1465782	1465959 Gmdrm	hypo	CG	-0.5454
Gm17	1466898	1467029 Gmdrm	hypo	CG	-0.5372
Gm17	1467638	1467919 Gmdrm	hypo	CG	-0.8853
Gm17	1479199	1479350 Gmdrm	hypo	CG	-0.0483
Gm17	1496112	1496276 Gmdrm	hypo	CG	-0.6253
Gm17	1516447	1516609 Gmdrm	hypo	CG	-0.9417
Gm17	1546280	1546706 Gmdrm	hypo	CG	-0.0336
Gm17	1561618	1561755 Gmdrm	hypo	CG	-0.9125
Gm17	1562041	1562138 Gmdrm	hypo	CG	-0.423
Gm17	1569401	1569493 Gmdrm	hypo	CG	-0.9684
Gm17	1646841	1647001 Gmdrm	hypo	CG	-0.0466
Gm17	1670841	1671306 Gmdrm	hypo	CG	-0.7033
Gm17	1671690	1671832 Gmdrm	hypo	CG	-0.6574
Gm17	1672000	1672116 Gmdrm	hypo	CG	-0.89
Gm17	1700469	1700624 Gmdrm	hypo	CG	-0.8833
Gm17	1735091	1735182 Gmdrm	hypo	CG	-0.6016
Gm17	1743339	1743804 Gmdrm	hypo	CG	-0.8573
Gm17	1745458	1745688 Gmdrm	hypo	CG	-0.9589
Gm17	1746315	1746342 Gmdrm	hypo	CG	-0.3367
Gm17	1746549	1746598 Gmdrm	hypo	CG	-0.6617
Gm17	1833517	1833620 Gmdrm	hypo	CG	-0.5284
Gm17	1870553	1870720 Gmdrm	hypo	CG	-0.0467
Gm17	1958022	1958053 Gmdrm	hypo	CG	-0.04
Gm17	1970221	1970275 Gmdrm	hypo	CG	-0.2087
Gm17	1987016	1987426 Gmdrm	hypo	CG	-0.5314
Gm17	2051767	2051984 Gmdrm	hypo	CG	-0.281
Gm17	2055093	2055687 Gmdrm	hypo	CG	-0.2109
Gm17	2070137	2070459 Gmdrm	hypo	CG	-0.7171
Gm17	2070653	2070763 Gmdrm	hypo	CG	-0.08
Gm17	2083325	2083467 Gmdrm	hypo	CG	-0.1581
Gm17	2111567	2111844 Gmdrm	hypo	CG	-0.9188
Gm17	2112034	2112364 Gmdrm	hypo	CG	-0.0313
Gm17	2121510	2121968 Gmdrm	hypo	CG	-0.0856
Gm17	2124501	2124734 Gmdrm	hypo	CG	-0.205
Gm17	2128443	2128710 Gmdrm	hypo	CG	-0.0429
Gm17	2129306	2129489 Gmdrm	hypo	CG	-0.4069
Gm17	2153129	2153270 Gmdrm	hypo	CG	-0.246
Gm17	2179854	2180165 Gmdrm	hypo	CG	-0.9114
Gm17	2187256	2187337 Gmdrm	hypo	CG	-0.785
Gm17	2219877	2220107 Gmdrm	hypo	CG	-0.4583
Gm17	2223906	2224015 Gmdrm	hypo	CG	-0.9265
Gm17	2232216	2232478 Gmdrm	hypo	CG	-0.8743
Gm17	2242028	2242305 Gmdrm	hypo	CG	-0.4016
Gm17	2262218	2262332 Gmdrm	hypo	CG	-0.826
Gm17	2296094	2296180 Gmdrm	hypo	CG	-0.8617

Gm17	2300194	2300353	Gmdrm	hypo	CG	-0.032
Gm17	2307555	2307736	Gmdrm	hypo	CG	-0.1131
Gm17	2308109	2308267	Gmdrm	hypo	CG	-0.5086
Gm17	2328176	2328474	Gmdrm	hypo	CG	-0.763
Gm17	2336381	2336428	Gmdrm	hypo	CG	-0.5066
Gm17	2354491	2354552	Gmdrm	hypo	CG	-0.755
Gm17	2354864	2354915	Gmdrm	hypo	CG	-0.5267
Gm17	2355178	2355292	Gmdrm	hypo	CG	-0.9484
Gm17	2355629	2355751	Gmdrm	hypo	CG	-0.3275
Gm17	2372162	2372365	Gmdrm	hypo	CG	-0.347
Gm17	2374779	2374795	Gmdrm	hypo	CG	-0.93
Gm17	2391623	2392025	Gmdrm	hypo	CG	-0.2023
Gm17	2441531	2441595	Gmdrm	hypo	CG	-0.9517
Gm17	2441715	2441825	Gmdrm	hypo	CG	-0.97
Gm17	2442327	2442464	Gmdrm	hypo	CG	-0.8783
Gm17	2452804	2452996	Gmdrm	hypo	CG	-0.0267
Gm17	2496865	2497031	Gmdrm	hypo	CG	-0.055
Gm17	2532390	2532510	Gmdrm	hypo	CG	-0.65
Gm17	2533719	2533813	Gmdrm	hypo	CG	-0.8362
Gm17	2542396	2542515	Gmdrm	hypo	CG	-0.065
Gm17	2567697	2567822	Gmdrm	hypo	CG	-0.2489
Gm17	2622777	2623106	Gmdrm	hypo	CG	-0.4736
Gm17	2653469	2653548	Gmdrm	hypo	CG	-0.4767
Gm17	2653831	2654098	Gmdrm	hypo	CG	-0.5856
Gm17	2684558	2684629	Gmdrm	hypo	CG	-0.0733
Gm17	2689382	2689556	Gmdrm	hypo	CG	-0.8955
Gm17	2757488	2757579	Gmdrm	hypo	CG	-0.785
Gm17	2772960	2773049	Gmdrm	hypo	CG	-0.785
Gm17	2859425	2859518	Gmdrm	hypo	CG	-0.9425
Gm17	2883213	2883365	Gmdrm	hypo	CG	-0.1423
Gm17	2903659	2903829	Gmdrm	hypo	CG	-0.1494
Gm17	2905926	2906121	Gmdrm	hypo	CG	-0.0852
Gm17	2921450	2921536	Gmdrm	hypo	CG	-0.08
Gm17	2935359	2935487	Gmdrm	hypo	CG	-0.4838
Gm17	2936502	2936891	Gmdrm	hypo	CG	-0.0289
Gm17	2949662	2949951	Gmdrm	hypo	CG	-0.5582
Gm17	2950071	2950197	Gmdrm	hypo	CG	-0.6933
Gm17	2950300	2950572	Gmdrm	hypo	CG	-0.7258
Gm17	2954283	2954454	Gmdrm	hypo	CG	-0.04
Gm17	2959646	2959921	Gmdrm	hypo	CG	-0.5152
Gm17	2980178	2980204	Gmdrm	hypo	CG	-0.6083
Gm17	3011627	3012127	Gmdrm	hypo	CG	-0.1208
Gm17	3026871	3026883	Gmdrm	hypo	CG	-0.9717
Gm17	3038784	3038868	Gmdrm	hypo	CG	-0.7067
Gm17	3039866	3040449	Gmdrm	hypo	CG	-0.6317
Gm17	3063050	3063192	Gmdrm	hypo	CG	-0.4337

Gm17	3073224	3073494	Gmdrm	hypo	CG	-0.5678
Gm17	3074151	3074369	Gmdrm	hypo	CG	-0.8183
Gm17	3094709	3094764	Gmdrm	hypo	CG	-0.965
Gm17	3095042	3095146	Gmdrm	hypo	CG	-0.98
Gm17	3095493	3095529	Gmdrm	hypo	CG	-0.5684
Gm17	3126087	3126254	Gmdrm	hypo	CG	-0.8925
Gm17	3133653	3133898	Gmdrm	hypo	CG	-0.544
Gm17	3134026	3134405	Gmdrm	hypo	CG	-0.1842
Gm17	3134537	3134609	Gmdrm	hypo	CG	-0.6313
Gm17	3149112	3149323	Gmdrm	hypo	CG	-0.0658
Gm17	3152660	3152757	Gmdrm	hypo	CG	-0.7186
Gm17	3158732	3159060	Gmdrm	hypo	CG	-0.62
Gm17	3192855	3192944	Gmdrm	hypo	CG	-0.5449
Gm17	3202578	3202732	Gmdrm	hypo	CG	-0.8409
Gm17	3203005	3203070	Gmdrm	hypo	CG	-0.5481
Gm17	3230617	3230773	Gmdrm	hypo	CG	-0.525
Gm17	3235913	3236127	Gmdrm	hypo	CG	-0.241
Gm17	3241751	3241808	Gmdrm	hypo	CG	-0.052
Gm17	3242089	3242193	Gmdrm	hypo	CG	-0.07
Gm17	3280580	3280809	Gmdrm	hypo	CG	-0.55
Gm17	3304874	3305053	Gmdrm	hypo	CG	-0.6863
Gm17	3377641	3377949	Gmdrm	hypo	CG	-0.3971
Gm17	3378709	3378732	Gmdrm	hypo	CG	-0.9333
Gm17	3391606	3391811	Gmdrm	hypo	CG	-0.5483
Gm17	3393036	3393140	Gmdrm	hypo	CG	-0.055
Gm17	3401108	3401240	Gmdrm	hypo	CG	-0.928
Gm17	3416319	3416495	Gmdrm	hypo	CG	-0.1564
Gm17	3430759	3430932	Gmdrm	hypo	CG	-0.055
Gm17	3441935	3442121	Gmdrm	hypo	CG	-0.038
Gm17	3496933	3497055	Gmdrm	hypo	CG	-0.849
Gm17	3499138	3499328	Gmdrm	hypo	CG	-0.885
Gm17	3499460	3499508	Gmdrm	hypo	CG	-0.7283
Gm17	3499923	3500038	Gmdrm	hypo	CG	-0.882
Gm17	3501629	3501712	Gmdrm	hypo	CG	-0.765
Gm17	3509669	3509763	Gmdrm	hypo	CG	-0.1411
Gm17	3589292	3589341	Gmdrm	hypo	CG	-0.026
Gm17	3598647	3598766	Gmdrm	hypo	CG	-0.9328
Gm17	3612278	3612434	Gmdrm	hypo	CG	-0.04
Gm17	3637916	3637972	Gmdrm	hypo	CG	-0.06
Gm17	3678677	3679095	Gmdrm	hypo	CG	-0.4285
Gm17	3710521	3710632	Gmdrm	hypo	CG	-0.516
Gm17	3714775	3715215	Gmdrm	hypo	CG	-0.206
Gm17	3715490	3715520	Gmdrm	hypo	CG	-0.195
Gm17	3744071	3744277	Gmdrm	hypo	CG	-0.94
Gm17	3754827	3754914	Gmdrm	hypo	CG	-0.961
Gm17	3759969	3760023	Gmdrm	hypo	CG	-0.056

Gm17	3775901	3776274	Gmdrm	hypo	CG	-0.6292
Gm17	3788433	3788533	Gmdrm	hypo	CG	-0.815
Gm17	3788660	3788776	Gmdrm	hypo	CG	-0.8886
Gm17	3792310	3792409	Gmdrm	hypo	CG	-0.6325
Gm17	3831612	3831679	Gmdrm	hypo	CG	-0.95
Gm17	3831868	3831936	Gmdrm	hypo	CG	-0.0833
Gm17	3844126	3844145	Gmdrm	hypo	CG	-0.3283
Gm17	3860445	3860770	Gmdrm	hypo	CG	-0.8888
Gm17	3868489	3868801	Gmdrm	hypo	CG	-0.8866
Gm17	3869149	3869417	Gmdrm	hypo	CG	-0.68
Gm17	3886304	3886351	Gmdrm	hypo	CG	-0.45
Gm17	3903745	3903827	Gmdrm	hypo	CG	-0.256
Gm17	4007339	4007383	Gmdrm	hypo	CG	-0.9266
Gm17	4012183	4012272	Gmdrm	hypo	CG	-0.3654
Gm17	4012431	4012712	Gmdrm	hypo	CG	-0.2576
Gm17	4030215	4030441	Gmdrm	hypo	CG	-0.7157
Gm17	4036362	4036644	Gmdrm	hypo	CG	-0.7685
Gm17	4089003	4089209	Gmdrm	hypo	CG	-0.036
Gm17	4121363	4121561	Gmdrm	hypo	CG	-0.5836
Gm17	4121716	4121850	Gmdrm	hypo	CG	-0.6105
Gm17	4138941	4139071	Gmdrm	hypo	CG	-0.046
Gm17	4141432	4141599	Gmdrm	hypo	CG	-0.6513
Gm17	4174189	4174261	Gmdrm	hypo	CG	-0.8634
Gm17	4188464	4188613	Gmdrm	hypo	CG	-0.4089
Gm17	4197594	4197733	Gmdrm	hypo	CG	-0.6867
Gm17	4228948	4229076	Gmdrm	hypo	CG	-0.6375
Gm17	4229495	4229815	Gmdrm	hypo	CG	-0.1962
Gm17	4235732	4235749	Gmdrm	hypo	CG	-0.2983
Gm17	4263681	4264064	Gmdrm	hypo	CG	-0.4315
Gm17	4265866	4266183	Gmdrm	hypo	CG	-0.29
Gm17	4299311	4299407	Gmdrm	hypo	CG	-0.02
Gm17	4308114	4308638	Gmdrm	hypo	CG	-0.2219
Gm17	4315585	4315842	Gmdrm	hypo	CG	-0.7713
Gm17	4326846	4327186	Gmdrm	hypo	CG	-0.2292
Gm17	4327604	4327680	Gmdrm	hypo	CG	-0.4783
Gm17	4328292	4328491	Gmdrm	hypo	CG	-0.605
Gm17	4328593	4328936	Gmdrm	hypo	CG	-0.6375
Gm17	4340083	4340352	Gmdrm	hypo	CG	-0.7842
Gm17	4344685	4345060	Gmdrm	hypo	CG	-0.18
Gm17	4356155	4356333	Gmdrm	hypo	CG	-0.05
Gm17	4370640	4370723	Gmdrm	hypo	CG	-0.495
Gm17	4400559	4401237	Gmdrm	hypo	CG	-0.6768
Gm17	4405207	4405436	Gmdrm	hypo	CG	-0.6153
Gm17	4413979	4414074	Gmdrm	hypo	CG	-0.911
Gm17	4419865	4420096	Gmdrm	hypo	CG	-0.034
Gm17	4456638	4456829	Gmdrm	hypo	CG	-0.7809

Gm17	4460287	4460614	Gmdrm	hypo	CG	-0.3061
Gm17	4493347	4493552	Gmdrm	hypo	CG	-0.5467
Gm17	4585185	4585399	Gmdrm	hypo	CG	-0.5591
Gm17	4610332	4610464	Gmdrm	hypo	CG	-0.885
Gm17	4610644	4610739	Gmdrm	hypo	CG	-0.95
Gm17	4629213	4629374	Gmdrm	hypo	CG	-0.9688
Gm17	4630278	4630360	Gmdrm	hypo	CG	-0.5317
Gm17	4641434	4641808	Gmdrm	hypo	CG	-0.0879
Gm17	4668296	4668722	Gmdrm	hypo	CG	-0.1661
Gm17	4692717	4692835	Gmdrm	hypo	CG	-0.9662
Gm17	4702296	4702574	Gmdrm	hypo	CG	-0.34
Gm17	4727369	4727656	Gmdrm	hypo	CG	-0.3687
Gm17	4781027	4781102	Gmdrm	hypo	CG	-0.5283
Gm17	4803044	4803365	Gmdrm	hypo	CG	-0.4606
Gm17	4820164	4820384	Gmdrm	hypo	CG	-0.8175
Gm17	4866627	4866862	Gmdrm	hypo	CG	-0.7991
Gm17	4870792	4871081	Gmdrm	hypo	CG	-0.6534
Gm17	4871220	4871376	Gmdrm	hypo	CG	-0.7938
Gm17	4871629	4871809	Gmdrm	hypo	CG	-0.2091
Gm17	4882533	4882686	Gmdrm	hypo	CG	-0.155
Gm17	4891416	4891492	Gmdrm	hypo	CG	-0.929
Gm17	4938652	4938823	Gmdrm	hypo	CG	-0.04
Gm17	4941008	4941153	Gmdrm	hypo	CG	-0.6488
Gm17	4941303	4941656	Gmdrm	hypo	CG	-0.8782
Gm17	4960852	4961145	Gmdrm	hypo	CG	-0.898
Gm17	4965252	4965524	Gmdrm	hypo	CG	-0.2633
Gm17	4988222	4988446	Gmdrm	hypo	CG	-0.5192
Gm17	4998520	4998556	Gmdrm	hypo	CG	-0.891
Gm17	4998677	4998754	Gmdrm	hypo	CG	-0.6767
Gm17	5026573	5026660	Gmdrm	hypo	CG	-0.0243
Gm17	5033868	5033924	Gmdrm	hypo	CG	-0.97
Gm17	5039621	5039747	Gmdrm	hypo	CG	-0.159
Gm17	5040904	5040957	Gmdrm	hypo	CG	-0.065
Gm17	5094165	5094311	Gmdrm	hypo	CG	-0.052
Gm17	5094761	5094916	Gmdrm	hypo	CG	-0.495
Gm17	5098791	5098836	Gmdrm	hypo	CG	-0.9083
Gm17	5119590	5119736	Gmdrm	hypo	CG	-0.8014
Gm17	5133450	5133759	Gmdrm	hypo	CG	-0.5377
Gm17	5155627	5155661	Gmdrm	hypo	CG	-0.5317
Gm17	5160454	5161122	Gmdrm	hypo	CG	-0.0763
Gm17	5192394	5192673	Gmdrm	hypo	CG	-0.9331
Gm17	5209854	5209977	Gmdrm	hypo	CG	-0.808
Gm17	5251735	5251839	Gmdrm	hypo	CG	-0.952
Gm17	5260631	5260713	Gmdrm	hypo	CG	-0.7963
Gm17	5289778	5289877	Gmdrm	hypo	CG	-0.447
Gm17	5297178	5297258	Gmdrm	hypo	CG	-0.04

Gm17	5300558	5300696	Gmdrm	hypo	CG	-0.7888
Gm17	5339118	5339128	Gmdrm	hypo	CG	-0.575
Gm17	5343484	5343520	Gmdrm	hypo	CG	-0.449
Gm17	5343727	5343852	Gmdrm	hypo	CG	-0.63
Gm17	5350177	5350290	Gmdrm	hypo	CG	-0.046
Gm17	5354724	5354789	Gmdrm	hypo	CG	-0.425
Gm17	5388999	5389203	Gmdrm	hypo	CG	-0.918
Gm17	5395807	5396121	Gmdrm	hypo	CG	-0.14
Gm17	5410593	5410696	Gmdrm	hypo	CG	-0.042
Gm17	5422221	5422539	Gmdrm	hypo	CG	-0.3525
Gm17	5422651	5422747	Gmdrm	hypo	CG	-0.32
Gm17	5434485	5434524	Gmdrm	hypo	CG	-0.9675
Gm17	5464626	5464889	Gmdrm	hypo	CG	-0.1171
Gm17	5467800	5468234	Gmdrm	hypo	CG	-0.6326
Gm17	5509128	5509226	Gmdrm	hypo	CG	-0.83
Gm17	5515276	5515486	Gmdrm	hypo	CG	-0.052
Gm17	5516502	5516729	Gmdrm	hypo	CG	-0.0318
Gm17	5531265	5531386	Gmdrm	hypo	CG	-0.9788
Gm17	5546941	5547038	Gmdrm	hypo	CG	-0.486
Gm17	5547208	5547357	Gmdrm	hypo	CG	-0.4459
Gm17	5547791	5547871	Gmdrm	hypo	CG	-0.7217
Gm17	5586384	5586540	Gmdrm	hypo	CG	-0.6083
Gm17	5591754	5591848	Gmdrm	hypo	CG	-0.5267
Gm17	5592002	5592211	Gmdrm	hypo	CG	-0.497
Gm17	5612569	5612724	Gmdrm	hypo	CG	-0.9175
Gm17	5626754	5626859	Gmdrm	hypo	CG	-0.05
Gm17	5668790	5669001	Gmdrm	hypo	CG	-0.2975
Gm17	5669225	5669332	Gmdrm	hypo	CG	-0.19
Gm17	5694966	5695089	Gmdrm	hypo	CG	-0.1146
Gm17	5697233	5697334	Gmdrm	hypo	CG	-0.3088
Gm17	5701362	5701540	Gmdrm	hypo	CG	-0.1834
Gm17	5704105	5704340	Gmdrm	hypo	CG	-0.469
Gm17	5704448	5704674	Gmdrm	hypo	CG	-0.6594
Gm17	5714848	5715075	Gmdrm	hypo	CG	-0.519
Gm17	5727011	5727150	Gmdrm	hypo	CG	-0.3967
Gm17	5727360	5727524	Gmdrm	hypo	CG	-0.472
Gm17	5732459	5732684	Gmdrm	hypo	CG	-0.8769
Gm17	5738436	5738518	Gmdrm	hypo	CG	-0.52
Gm17	5741689	5741823	Gmdrm	hypo	CG	-0.5829
Gm17	5753765	5753922	Gmdrm	hypo	CG	-0.3977
Gm17	5754953	5755067	Gmdrm	hypo	CG	-0.6517
Gm17	5764119	5764206	Gmdrm	hypo	CG	-0.27
Gm17	5832575	5832676	Gmdrm	hypo	CG	-0.911
Gm17	5834536	5835083	Gmdrm	hypo	CG	-0.0927
Gm17	5866150	5866202	Gmdrm	hypo	CG	-0.935
Gm17	5889260	5889438	Gmdrm	hypo	CG	-0.4885

Gm17	5889843	5889937 Gmdrm	hypo	CG	-0.558
Gm17	5890496	5890655 Gmdrm	hypo	CG	-0.7134
Gm17	5920915	5921108 Gmdrm	hypo	CG	-0.928
Gm17	5922093	5922186 Gmdrm	hypo	CG	-0.1033
Gm17	6008198	6008450 Gmdrm	hypo	CG	-0.5708
Gm17	6022400	6022535 Gmdrm	hypo	CG	-0.814
Gm17	6029517	6029627 Gmdrm	hypo	CG	-0.028
Gm17	6030238	6030602 Gmdrm	hypo	CG	-0.7184
Gm17	6032180	6032284 Gmdrm	hypo	CG	-0.1967
Gm17	6042168	6042693 Gmdrm	hypo	CG	-0.6822
Gm17	6066089	6066191 Gmdrm	hypo	CG	-0.9038
Gm17	6080336	6080727 Gmdrm	hypo	CG	-0.0572
Gm17	6115008	6115124 Gmdrm	hypo	CG	-0.5831
Gm17	6130951	6131100 Gmdrm	hypo	CG	-0.545
Gm17	6131572	6131722 Gmdrm	hypo	CG	-0.8286
Gm17	6139926	6140076 Gmdrm	hypo	CG	-0.5827
Gm17	6145988	6146073 Gmdrm	hypo	CG	-0.7
Gm17	6155553	6155725 Gmdrm	hypo	CG	-0.543
Gm17	6180713	6180826 Gmdrm	hypo	CG	-0.7429
Gm17	6235164	6235267 Gmdrm	hypo	CG	-0.915
Gm17	6235503	6235689 Gmdrm	hypo	CG	-0.593
Gm17	6238399	6238514 Gmdrm	hypo	CG	-0.8084
Gm17	6239045	6239167 Gmdrm	hypo	CG	-0.4558
Gm17	6239273	6239669 Gmdrm	hypo	CG	-0.3075
Gm17	6242233	6242452 Gmdrm	hypo	CG	-0.785
Gm17	6245180	6245329 Gmdrm	hypo	CG	-0.6319
Gm17	6258881	6259062 Gmdrm	hypo	CG	-0.05
Gm17	6280984	6281052 Gmdrm	hypo	CG	-0.5667
Gm17	6294494	6294618 Gmdrm	hypo	CG	-0.04
Gm17	6361836	6362227 Gmdrm	hypo	CG	-0.5787
Gm17	6362647	6362850 Gmdrm	hypo	CG	-0.2967
Gm17	6375198	6375430 Gmdrm	hypo	CG	-0.716
Gm17	6375881	6375962 Gmdrm	hypo	CG	-0.91
Gm17	6382083	6382124 Gmdrm	hypo	CG	-0.9734
Gm17	6382527	6382710 Gmdrm	hypo	CG	-0.1828
Gm17	6420107	6420209 Gmdrm	hypo	CG	-0.89
Gm17	6485605	6485833 Gmdrm	hypo	CG	-0.03
Gm17	6489441	6489479 Gmdrm	hypo	CG	-0.335
Gm17	6507886	6507995 Gmdrm	hypo	CG	-0.105
Gm17	6508117	6508240 Gmdrm	hypo	CG	-0.1067
Gm17	6509082	6509248 Gmdrm	hypo	CG	-0.435
Gm17	6540281	6540417 Gmdrm	hypo	CG	-0.9392
Gm17	6540891	6541129 Gmdrm	hypo	CG	-0.5123
Gm17	6541480	6541725 Gmdrm	hypo	CG	-0.45
Gm17	6584659	6584726 Gmdrm	hypo	CG	-0.9066
Gm17	6585016	6585042 Gmdrm	hypo	CG	-0.97

Gm17	6601063	6601224	Gmdrm	hypo	CG	-0.05
Gm17	6605398	6605502	Gmdrm	hypo	CG	-0.8487
Gm17	6613235	6613435	Gmdrm	hypo	CG	-0.755
Gm17	6618506	6618610	Gmdrm	hypo	CG	-0.8325
Gm17	6618726	6618871	Gmdrm	hypo	CG	-0.9163
Gm17	6619641	6619851	Gmdrm	hypo	CG	-0.9131
Gm17	6639663	6639804	Gmdrm	hypo	CG	-0.84
Gm17	6648307	6648442	Gmdrm	hypo	CG	-0.1871
Gm17	6648624	6648721	Gmdrm	hypo	CG	-0.7456
Gm17	6655612	6655667	Gmdrm	hypo	CG	-0.6017
Gm17	6683895	6684084	Gmdrm	hypo	CG	-0.424
Gm17	6684394	6684549	Gmdrm	hypo	CG	-0.2833
Gm17	6684667	6684995	Gmdrm	hypo	CG	-0.3007
Gm17	6724177	6724422	Gmdrm	hypo	CG	-0.701
Gm17	6724801	6724935	Gmdrm	hypo	CG	-0.5562
Gm17	6728604	6728785	Gmdrm	hypo	CG	-0.97
Gm17	6729229	6729344	Gmdrm	hypo	CG	-0.785
Gm17	6800741	6800875	Gmdrm	hypo	CG	-0.452
Gm17	6800982	6801156	Gmdrm	hypo	CG	-0.465
Gm17	6806356	6806559	Gmdrm	hypo	CG	-0.7054
Gm17	6809768	6809786	Gmdrm	hypo	CG	-0.7233
Gm17	6863389	6863487	Gmdrm	hypo	CG	-0.483
Gm17	6863880	6863948	Gmdrm	hypo	CG	-0.1933
Gm17	6866584	6866884	Gmdrm	hypo	CG	-0.829
Gm17	6880146	6880302	Gmdrm	hypo	CG	-0.9167
Gm17	6880566	6880647	Gmdrm	hypo	CG	-0.64
Gm17	6897172	6897221	Gmdrm	hypo	CG	-0.5217
Gm17	6897560	6897647	Gmdrm	hypo	CG	-0.354
Gm17	6900460	6900648	Gmdrm	hypo	CG	-0.7843
Gm17	6902648	6902834	Gmdrm	hypo	CG	-0.124
Gm17	6918939	6919060	Gmdrm	hypo	CG	-0.08
Gm17	6921745	6921841	Gmdrm	hypo	CG	-0.145
Gm17	6922107	6922259	Gmdrm	hypo	CG	-0.2767
Gm17	6923611	6923919	Gmdrm	hypo	CG	-0.3227
Gm17	6924880	6924954	Gmdrm	hypo	CG	-0.455
Gm17	6925299	6925369	Gmdrm	hypo	CG	-0.855
Gm17	6942931	6942987	Gmdrm	hypo	CG	-0.6283
Gm17	6962160	6962566	Gmdrm	hypo	CG	-0.8323
Gm17	6963401	6963568	Gmdrm	hypo	CG	-0.7886
Gm17	6967821	6967959	Gmdrm	hypo	CG	-0.3681
Gm17	6968804	6968950	Gmdrm	hypo	CG	-0.64
Gm17	6973493	6973671	Gmdrm	hypo	CG	-0.8221
Gm17	6984043	6984121	Gmdrm	hypo	CG	-0.632
Gm17	6984523	6984681	Gmdrm	hypo	CG	-0.8675
Gm17	6986839	6986915	Gmdrm	hypo	CG	-0.8957
Gm17	6994999	6995263	Gmdrm	hypo	CG	-0.8926

Gm17	7023103	7023392	Gmdrm	hypo	CG	-0.5394
Gm17	7047655	7047800	Gmdrm	hypo	CG	-0.0383
Gm17	7055748	7055831	Gmdrm	hypo	CG	-0.3181
Gm17	7055981	7056132	Gmdrm	hypo	CG	-0.1643
Gm17	7073099	7073256	Gmdrm	hypo	CG	-0.605
Gm17	7113220	7113418	Gmdrm	hypo	CG	-0.9439
Gm17	7160337	7160405	Gmdrm	hypo	CG	-0.0783
Gm17	7180084	7180162	Gmdrm	hypo	CG	-0.8634
Gm17	7180626	7180689	Gmdrm	hypo	CG	-0.3833
Gm17	7186663	7186749	Gmdrm	hypo	CG	-0.888
Gm17	7202735	7202904	Gmdrm	hypo	CG	-0.1164
Gm17	7206202	7206364	Gmdrm	hypo	CG	-0.5833
Gm17	7213791	7213996	Gmdrm	hypo	CG	-0.4286
Gm17	7214574	7214697	Gmdrm	hypo	CG	-0.2381
Gm17	7222164	7222581	Gmdrm	hypo	CG	-0.5496
Gm17	7225983	7226144	Gmdrm	hypo	CG	-0.038
Gm17	7227634	7227817	Gmdrm	hypo	CG	-0.8884
Gm17	7227979	7228026	Gmdrm	hypo	CG	-0.975
Gm17	7238200	7238296	Gmdrm	hypo	CG	-0.232
Gm17	7246697	7246887	Gmdrm	hypo	CG	-0.8535
Gm17	7247811	7247867	Gmdrm	hypo	CG	-0.2884
Gm17	7250825	7250897	Gmdrm	hypo	CG	-0.57
Gm17	7286176	7286322	Gmdrm	hypo	CG	-0.9329
Gm17	7286472	7286581	Gmdrm	hypo	CG	-0.885
Gm17	7291888	7292413	Gmdrm	hypo	CG	-0.1008
Gm17	7308321	7308489	Gmdrm	hypo	CG	-0.7022
Gm17	7313079	7313212	Gmdrm	hypo	CG	-0.5417
Gm17	7325171	7325227	Gmdrm	hypo	CG	-0.9133
Gm17	7325413	7325450	Gmdrm	hypo	CG	-0.8733
Gm17	7336046	7336130	Gmdrm	hypo	CG	-0.076
Gm17	7369218	7369449	Gmdrm	hypo	CG	-0.2594
Gm17	7370306	7370407	Gmdrm	hypo	CG	-0.0842
Gm17	7370524	7371341	Gmdrm	hypo	CG	-0.3076
Gm17	7411113	7411259	Gmdrm	hypo	CG	-0.519
Gm17	7441365	7441538	Gmdrm	hypo	CG	-0.617
Gm17	7441938	7442538	Gmdrm	hypo	CG	-0.7971
Gm17	7450186	7450302	Gmdrm	hypo	CG	-0.6862
Gm17	7450441	7450576	Gmdrm	hypo	CG	-0.9472
Gm17	7485043	7485195	Gmdrm	hypo	CG	-0.048
Gm17	7518300	7518410	Gmdrm	hypo	CG	-0.949
Gm17	7533172	7533307	Gmdrm	hypo	CG	-0.8856
Gm17	7561363	7561422	Gmdrm	hypo	CG	-0.945
Gm17	7577798	7577928	Gmdrm	hypo	CG	-0.05
Gm17	7579972	7580136	Gmdrm	hypo	CG	-0.6975
Gm17	7587553	7587678	Gmdrm	hypo	CG	-0.895
Gm17	7593186	7593583	Gmdrm	hypo	CG	-0.9322

Gm17	7594959	7594998 Gmdrm	hypo	CG	-0.4212
Gm17	7595151	7595385 Gmdrm	hypo	CG	-0.695
Gm17	7623570	7623700 Gmdrm	hypo	CG	-0.936
Gm17	7657134	7657308 Gmdrm	hypo	CG	-0.157
Gm17	7658049	7658094 Gmdrm	hypo	CG	-0.0788
Gm17	7674249	7674454 Gmdrm	hypo	CG	-0.7388
Gm17	7699231	7699587 Gmdrm	hypo	CG	-0.8255
Gm17	7699827	7700364 Gmdrm	hypo	CG	-0.2647
Gm17	7700912	7701071 Gmdrm	hypo	CG	-0.469
Gm17	7701221	7701354 Gmdrm	hypo	CG	-0.764
Gm17	7717815	7718079 Gmdrm	hypo	CG	-0.491
Gm17	7718742	7718819 Gmdrm	hypo	CG	-0.5716
Gm17	7739737	7739773 Gmdrm	hypo	CG	-0.142
Gm17	7740122	7740183 Gmdrm	hypo	CG	-0.118
Gm17	7776624	7776703 Gmdrm	hypo	CG	-0.9441
Gm17	7779507	7779682 Gmdrm	hypo	CG	-0.0417
Gm17	7781274	7781287 Gmdrm	hypo	CG	-0.6233
Gm17	7782815	7782956 Gmdrm	hypo	CG	-0.3331
Gm17	7790356	7790570 Gmdrm	hypo	CG	-0.8163
Gm17	7794125	7794207 Gmdrm	hypo	CG	-0.8067
Gm17	7873961	7873988 Gmdrm	hypo	CG	-0.1017
Gm17	7943067	7943151 Gmdrm	hypo	CG	-0.06
Gm17	7949083	7949344 Gmdrm	hypo	CG	-0.9356
Gm17	7959882	7960136 Gmdrm	hypo	CG	-0.8341
Gm17	7963297	7963622 Gmdrm	hypo	CG	-0.6834
Gm17	7974099	7974170 Gmdrm	hypo	CG	-0.62
Gm17	8006083	8006104 Gmdrm	hypo	CG	-0.955
Gm17	8036955	8037009 Gmdrm	hypo	CG	-0.9324
Gm17	8079636	8079734 Gmdrm	hypo	CG	-0.6988
Gm17	8084861	8085064 Gmdrm	hypo	CG	-0.617
Gm17	8090248	8090342 Gmdrm	hypo	CG	-0.05
Gm17	8106816	8107017 Gmdrm	hypo	CG	-0.3095
Gm17	8108613	8108725 Gmdrm	hypo	CG	-0.8
Gm17	8114064	8114411 Gmdrm	hypo	CG	-0.8316
Gm17	8157291	8157467 Gmdrm	hypo	CG	-0.2767
Gm17	8191595	8191713 Gmdrm	hypo	CG	-0.895
Gm17	8203665	8203766 Gmdrm	hypo	CG	-0.665
Gm17	8206083	8206094 Gmdrm	hypo	CG	-0.9667
Gm17	8206516	8206569 Gmdrm	hypo	CG	-0.8633
Gm17	8256945	8257043 Gmdrm	hypo	CG	-0.7186
Gm17	8263182	8263342 Gmdrm	hypo	CG	-0.035
Gm17	8282241	8282376 Gmdrm	hypo	CG	-0.88
Gm17	8317544	8317744 Gmdrm	hypo	CG	-0.029
Gm17	8318016	8318145 Gmdrm	hypo	CG	-0.94
Gm17	8321588	8321734 Gmdrm	hypo	CG	-0.6533
Gm17	8322278	8322502 Gmdrm	hypo	CG	-0.568

Gm17	8338992	8339093	Gmdrm	hypo	CG	-0.79
Gm17	8339498	8339665	Gmdrm	hypo	CG	-0.0586
Gm17	8380877	8381194	Gmdrm	hypo	CG	-0.9285
Gm17	8390675	8391009	Gmdrm	hypo	CG	-0.7041
Gm17	8405397	8405511	Gmdrm	hypo	CG	-0.1237
Gm17	8456205	8456633	Gmdrm	hypo	CG	-0.9454
Gm17	8456976	8457029	Gmdrm	hypo	CG	-0.4517
Gm17	8458930	8458969	Gmdrm	hypo	CG	-0.9587
Gm17	8461903	8462032	Gmdrm	hypo	CG	-0.5275
Gm17	8472690	8472929	Gmdrm	hypo	CG	-0.5636
Gm17	8520726	8520817	Gmdrm	hypo	CG	-0.0836
Gm17	8532408	8532591	Gmdrm	hypo	CG	-0.4183
Gm17	8533642	8533793	Gmdrm	hypo	CG	-0.483
Gm17	8534195	8534316	Gmdrm	hypo	CG	-0.5759
Gm17	8534897	8535081	Gmdrm	hypo	CG	-0.1572
Gm17	8535230	8535413	Gmdrm	hypo	CG	-0.1393
Gm17	8535561	8535759	Gmdrm	hypo	CG	-0.1395
Gm17	8537595	8537722	Gmdrm	hypo	CG	-0.88
Gm17	8583240	8583343	Gmdrm	hypo	CG	-0.0833
Gm17	8609239	8609266	Gmdrm	hypo	CG	-0.955
Gm17	8616702	8616766	Gmdrm	hypo	CG	-0.82
Gm17	8617791	8618154	Gmdrm	hypo	CG	-0.1089
Gm17	8618397	8618578	Gmdrm	hypo	CG	-0.8175
Gm17	8624244	8624523	Gmdrm	hypo	CG	-0.6405
Gm17	8646835	8646953	Gmdrm	hypo	CG	-0.843
Gm17	8647288	8647472	Gmdrm	hypo	CG	-0.2771
Gm17	8647807	8647850	Gmdrm	hypo	CG	-0.445
Gm17	8692909	8692930	Gmdrm	hypo	CG	-0.5866
Gm17	8704992	8705069	Gmdrm	hypo	CG	-0.9483
Gm17	8710992	8711501	Gmdrm	hypo	CG	-0.0297
Gm17	8767089	8767156	Gmdrm	hypo	CG	-0.0567
Gm17	8785082	8785222	Gmdrm	hypo	CG	-0.5275
Gm17	8785359	8785414	Gmdrm	hypo	CG	-0.2133
Gm17	8785638	8786075	Gmdrm	hypo	CG	-0.1469
Gm17	8788314	8788366	Gmdrm	hypo	CG	-0.5924
Gm17	8789392	8789428	Gmdrm	hypo	CG	-0.7817
Gm17	8810965	8811170	Gmdrm	hypo	CG	-0.7609
Gm17	8815856	8816051	Gmdrm	hypo	CG	-0.9125
Gm17	8856206	8856392	Gmdrm	hypo	CG	-0.0472
Gm17	8931508	8931648	Gmdrm	hypo	CG	-0.87
Gm17	8934204	8934543	Gmdrm	hypo	CG	-0.5658
Gm17	8935410	8935672	Gmdrm	hypo	CG	-0.7606
Gm17	8937727	8937843	Gmdrm	hypo	CG	-0.787
Gm17	8938692	8938848	Gmdrm	hypo	CG	-0.6867
Gm17	8950059	8950407	Gmdrm	hypo	CG	-0.5393
Gm17	8958345	8958385	Gmdrm	hypo	CG	-0.9234

Gm17	9010192	9010390 Gmdrm	hypo	CG	-0.6433
Gm17	9020304	9020334 Gmdrm	hypo	CG	-0.3487
Gm17	9020437	9020575 Gmdrm	hypo	CG	-0.3079
Gm17	9021326	9021411 Gmdrm	hypo	CG	-0.517
Gm17	9038085	9038470 Gmdrm	hypo	CG	-0.771
Gm17	9068672	9068799 Gmdrm	hypo	CG	-0.1469
Gm17	9078537	9078673 Gmdrm	hypo	CG	-0.1883
Gm17	9085033	9085128 Gmdrm	hypo	CG	-0.6583
Gm17	9091849	9092334 Gmdrm	hypo	CG	-0.2672
Gm17	9106601	9106674 Gmdrm	hypo	CG	-0.7984
Gm17	9110074	9110173 Gmdrm	hypo	CG	-0.0483
Gm17	9128506	9128740 Gmdrm	hypo	CG	-0.0367
Gm17	9130805	9131207 Gmdrm	hypo	CG	-0.6127
Gm17	9155344	9155563 Gmdrm	hypo	CG	-0.3719
Gm17	9155687	9155817 Gmdrm	hypo	CG	-0.5655
Gm17	9166152	9166319 Gmdrm	hypo	CG	-0.405
Gm17	9166713	9166819 Gmdrm	hypo	CG	-0.036
Gm17	9167317	9167449 Gmdrm	hypo	CG	-0.9015
Gm17	9167990	9168024 Gmdrm	hypo	CG	-0.8866
Gm17	9193693	9193808 Gmdrm	hypo	CG	-0.0772
Gm17	9194818	9194855 Gmdrm	hypo	CG	-0.9767
Gm17	9208429	9208599 Gmdrm	hypo	CG	-0.635
Gm17	9227133	9227213 Gmdrm	hypo	CG	-0.441
Gm17	9227339	9227500 Gmdrm	hypo	CG	-0.5174
Gm17	9227708	9227897 Gmdrm	hypo	CG	-0.7154
Gm17	9251463	9251694 Gmdrm	hypo	CG	-0.0475
Gm17	9285803	9286048 Gmdrm	hypo	CG	-0.489
Gm17	9343245	9343281 Gmdrm	hypo	CG	-0.6633
Gm17	9368624	9368894 Gmdrm	hypo	CG	-0.6078
Gm17	9373088	9373163 Gmdrm	hypo	CG	-0.7138
Gm17	9375271	9375806 Gmdrm	hypo	CG	-0.8487
Gm17	9404874	9405135 Gmdrm	hypo	CG	-0.8264
Gm17	9438564	9438708 Gmdrm	hypo	CG	-0.819
Gm17	9438854	9439007 Gmdrm	hypo	CG	-0.534
Gm17	9439289	9439493 Gmdrm	hypo	CG	-0.1468
Gm17	9439863	9439947 Gmdrm	hypo	CG	-0.4599
Gm17	9463606	9464032 Gmdrm	hypo	CG	-0.4703
Gm17	9466351	9466441 Gmdrm	hypo	CG	-0.0567
Gm17	9468283	9468647 Gmdrm	hypo	CG	-0.8931
Gm17	9474730	9475373 Gmdrm	hypo	CG	-0.7771
Gm17	9495601	9495821 Gmdrm	hypo	CG	-0.7784
Gm17	9530105	9530355 Gmdrm	hypo	CG	-0.3571
Gm17	9533525	9533843 Gmdrm	hypo	CG	-0.1093
Gm17	9537680	9537796 Gmdrm	hypo	CG	-0.6149
Gm17	9548187	9548241 Gmdrm	hypo	CG	-0.9467
Gm17	9549730	9549804 Gmdrm	hypo	CG	-0.765

Gm17	9561468	9561736 Gmdrm	hypo	CG	-0.8225
Gm17	9562384	9562693 Gmdrm	hypo	CG	-0.8573
Gm17	9568666	9569363 Gmdrm	hypo	CG	-0.1713
Gm17	9579135	9579163 Gmdrm	hypo	CG	-0.9767
Gm17	9599573	9599706 Gmdrm	hypo	CG	-0.7733
Gm17	9600205	9600313 Gmdrm	hypo	CG	-0.9
Gm17	9617082	9617135 Gmdrm	hypo	CG	-0.5066
Gm17	9749736	9749945 Gmdrm	hypo	CG	-0.205
Gm17	9772282	9772428 Gmdrm	hypo	CG	-0.4259
Gm17	9778867	9779177 Gmdrm	hypo	CG	-0.9383
Gm17	9784432	9784606 Gmdrm	hypo	CG	-0.585
Gm17	9784799	9785056 Gmdrm	hypo	CG	-0.179
Gm17	9845635	9845724 Gmdrm	hypo	CG	-0.7816
Gm17	9845891	9845987 Gmdrm	hypo	CG	-0.725
Gm17	9846664	9846733 Gmdrm	hypo	CG	-0.5816
Gm17	9861549	9861581 Gmdrm	hypo	CG	-0.4117
Gm17	9916883	9916902 Gmdrm	hypo	CG	-0.8833
Gm17	9936269	9936543 Gmdrm	hypo	CG	-0.8018
Gm17	9960414	9960815 Gmdrm	hypo	CG	-0.0551
Gm17	9972216	9972370 Gmdrm	hypo	CG	-0.9053
Gm17	9974103	9974306 Gmdrm	hypo	CG	-0.1718
Gm17	9980285	9980472 Gmdrm	hypo	CG	-0.37
Gm17	9983906	9983994 Gmdrm	hypo	CG	-0.1929
Gm17	9996545	9996684 Gmdrm	hypo	CG	-0.8539
Gm17	10017503	10017682 Gmdrm	hypo	CG	-0.1674
Gm17	10017899	10017977 Gmdrm	hypo	CG	-0.3238
Gm17	10033601	10033725 Gmdrm	hypo	CG	-0.04
Gm17	10037471	10037622 Gmdrm	hypo	CG	-0.16
Gm17	10071775	10071893 Gmdrm	hypo	CG	-0.028
Gm17	10075712	10075810 Gmdrm	hypo	CG	-0.7383
Gm17	10077722	10078084 Gmdrm	hypo	CG	-0.2329
Gm17	10086244	10086443 Gmdrm	hypo	CG	-0.267
Gm17	10106259	10106312 Gmdrm	hypo	CG	-0.5967
Gm17	10131434	10131498 Gmdrm	hypo	CG	-0.8583
Gm17	10137408	10137627 Gmdrm	hypo	CG	-0.675
Gm17	10142057	10142124 Gmdrm	hypo	CG	-0.8317
Gm17	10146483	10146761 Gmdrm	hypo	CG	-0.67
Gm17	10149717	10149870 Gmdrm	hypo	CG	-0.4862
Gm17	10150061	10150254 Gmdrm	hypo	CG	-0.7956
Gm17	10179927	10179999 Gmdrm	hypo	CG	-0.77
Gm17	10180218	10180319 Gmdrm	hypo	CG	-0.8025
Gm17	10189961	10189993 Gmdrm	hypo	CG	-0.8966
Gm17	10190111	10190161 Gmdrm	hypo	CG	-0.9
Gm17	10190365	10190592 Gmdrm	hypo	CG	-0.6936
Gm17	10211396	10211589 Gmdrm	hypo	CG	-0.1519
Gm17	10212942	10213290 Gmdrm	hypo	CG	-0.6579

Gm17	10230189	10230330	Gmdrm	hypo	CG	-0.1157
Gm17	10235144	10235380	Gmdrm	hypo	CG	-0.8831
Gm17	10250728	10250834	Gmdrm	hypo	CG	-0.72
Gm17	10257553	10257748	Gmdrm	hypo	CG	-0.0875
Gm17	10257886	10258115	Gmdrm	hypo	CG	-0.383
Gm17	10258584	10258632	Gmdrm	hypo	CG	-0.866
Gm17	10280616	10280650	Gmdrm	hypo	CG	-0.64
Gm17	10280960	10281173	Gmdrm	hypo	CG	-0.5212
Gm17	10308551	10308753	Gmdrm	hypo	CG	-0.0266
Gm17	10330740	10330922	Gmdrm	hypo	CG	-0.8533
Gm17	10333828	10333879	Gmdrm	hypo	CG	-0.6783
Gm17	10334730	10334899	Gmdrm	hypo	CG	-0.1417
Gm17	10356189	10356354	Gmdrm	hypo	CG	-0.4625
Gm17	10356651	10356674	Gmdrm	hypo	CG	-0.9584
Gm17	10356812	10356894	Gmdrm	hypo	CG	-0.9533
Gm17	10367993	10368061	Gmdrm	hypo	CG	-0.4066
Gm17	10374314	10374510	Gmdrm	hypo	CG	-0.9607
Gm17	10390040	10390095	Gmdrm	hypo	CG	-0.3863
Gm17	10390219	10390257	Gmdrm	hypo	CG	-0.8483
Gm17	10393283	10393420	Gmdrm	hypo	CG	-0.2828
Gm17	10393874	10393946	Gmdrm	hypo	CG	-0.7067
Gm17	10400877	10401096	Gmdrm	hypo	CG	-0.521
Gm17	10468816	10468905	Gmdrm	hypo	CG	-0.745
Gm17	10517103	10517506	Gmdrm	hypo	CG	-0.1452
Gm17	10529195	10529388	Gmdrm	hypo	CG	-0.5943
Gm17	10529723	10529749	Gmdrm	hypo	CG	-0.7434
Gm17	10535151	10535296	Gmdrm	hypo	CG	-0.8633
Gm17	10535673	10535821	Gmdrm	hypo	CG	-0.591
Gm17	10546609	10546877	Gmdrm	hypo	CG	-0.7969
Gm17	10547775	10548114	Gmdrm	hypo	CG	-0.2778
Gm17	10558935	10559197	Gmdrm	hypo	CG	-0.7935
Gm17	10569481	10569523	Gmdrm	hypo	CG	-0.545
Gm17	10571565	10571633	Gmdrm	hypo	CG	-0.9267
Gm17	10571793	10571929	Gmdrm	hypo	CG	-0.4263
Gm17	10574598	10574729	Gmdrm	hypo	CG	-0.9363
Gm17	10574912	10575188	Gmdrm	hypo	CG	-0.877
Gm17	10580590	10580718	Gmdrm	hypo	CG	-0.0988
Gm17	10596015	10596045	Gmdrm	hypo	CG	-0.295
Gm17	10608062	10608132	Gmdrm	hypo	CG	-0.736
Gm17	10608414	10608602	Gmdrm	hypo	CG	-0.952
Gm17	10609444	10609632	Gmdrm	hypo	CG	-0.4893
Gm17	10627395	10627501	Gmdrm	hypo	CG	-0.8774
Gm17	10631447	10631532	Gmdrm	hypo	CG	-0.875
Gm17	10634424	10634491	Gmdrm	hypo	CG	-0.4967
Gm17	10658313	10658428	Gmdrm	hypo	CG	-0.7605
Gm17	10671020	10671126	Gmdrm	hypo	CG	-0.7933

Gm17	10692084	10692212	Gmdrm	hypo	CG	-0.1917
Gm17	10739918	10739957	Gmdrm	hypo	CG	-0.03
Gm17	10749633	10749728	Gmdrm	hypo	CG	-0.8651
Gm17	10750821	10751043	Gmdrm	hypo	CG	-0.948
Gm17	10770006	10770357	Gmdrm	hypo	CG	-0.1702
Gm17	10778248	10778416	Gmdrm	hypo	CG	-0.7364
Gm17	10778532	10778724	Gmdrm	hypo	CG	-0.7541
Gm17	10782168	10782186	Gmdrm	hypo	CG	-0.3167
Gm17	10791060	10791272	Gmdrm	hypo	CG	-0.8325
Gm17	10792080	10792678	Gmdrm	hypo	CG	-0.1764
Gm17	10801557	10801660	Gmdrm	hypo	CG	-0.438
Gm17	10802168	10802317	Gmdrm	hypo	CG	-0.174
Gm17	10802739	10803067	Gmdrm	hypo	CG	-0.288
Gm17	10812546	10812686	Gmdrm	hypo	CG	-0.666
Gm17	10813415	10813453	Gmdrm	hypo	CG	-0.5133
Gm17	10820887	10821022	Gmdrm	hypo	CG	-0.9175
Gm17	10833070	10833310	Gmdrm	hypo	CG	-0.7673
Gm17	10834128	10834281	Gmdrm	hypo	CG	-0.1877
Gm17	10835076	10835198	Gmdrm	hypo	CG	-0.8467
Gm17	10836914	10836945	Gmdrm	hypo	CG	-0.1333
Gm17	10866475	10866690	Gmdrm	hypo	CG	-0.9661
Gm17	10911266	10911387	Gmdrm	hypo	CG	-0.845
Gm17	10942196	10942364	Gmdrm	hypo	CG	-0.1763
Gm17	10958003	10958020	Gmdrm	hypo	CG	-0.2284
Gm17	10962910	10963016	Gmdrm	hypo	CG	-0.8387
Gm17	10973453	10973876	Gmdrm	hypo	CG	-0.8537
Gm17	10974274	10974302	Gmdrm	hypo	CG	-0.6633
Gm17	10974413	10974526	Gmdrm	hypo	CG	-0.296
Gm17	10974724	10974770	Gmdrm	hypo	CG	-0.155
Gm17	10975089	10975148	Gmdrm	hypo	CG	-0.8734
Gm17	10988572	10988666	Gmdrm	hypo	CG	-0.897
Gm17	10997138	10997205	Gmdrm	hypo	CG	-0.0767
Gm17	11003105	11003361	Gmdrm	hypo	CG	-0.0454
Gm17	11004590	11004664	Gmdrm	hypo	CG	-0.9366
Gm17	11033461	11033647	Gmdrm	hypo	CG	-0.371
Gm17	11033905	11034070	Gmdrm	hypo	CG	-0.3653
Gm17	11039021	11039347	Gmdrm	hypo	CG	-0.8474
Gm17	11044461	11044525	Gmdrm	hypo	CG	-0.1783
Gm17	11064258	11064320	Gmdrm	hypo	CG	-0.6338
Gm17	11073027	11073143	Gmdrm	hypo	CG	-0.5467
Gm17	11080921	11081253	Gmdrm	hypo	CG	-0.946
Gm17	11081468	11081694	Gmdrm	hypo	CG	-0.5991
Gm17	11081894	11082112	Gmdrm	hypo	CG	-0.7891
Gm17	11088351	11088663	Gmdrm	hypo	CG	-0.765
Gm17	11101046	11101139	Gmdrm	hypo	CG	-0.8117
Gm17	11121666	11121749	Gmdrm	hypo	CG	-0.612

Gm17	11122146	11122292	Gmdrm	hypo	CG	-0.8125
Gm17	11140028	11140190	Gmdrm	hypo	CG	-0.5388
Gm17	11158002	11158321	Gmdrm	hypo	CG	-0.4754
Gm17	11171964	11172188	Gmdrm	hypo	CG	-0.752
Gm17	11172805	11172921	Gmdrm	hypo	CG	-0.57
Gm17	11177264	11177389	Gmdrm	hypo	CG	-0.448
Gm17	11211944	11212010	Gmdrm	hypo	CG	-0.9508
Gm17	11243255	11243340	Gmdrm	hypo	CG	-0.6517
Gm17	11243513	11243683	Gmdrm	hypo	CG	-0.4583
Gm17	11248349	11248485	Gmdrm	hypo	CG	-0.1867
Gm17	11253519	11254032	Gmdrm	hypo	CG	-0.6997
Gm17	11283050	11283478	Gmdrm	hypo	CG	-0.875
Gm17	11325999	11326107	Gmdrm	hypo	CG	-0.525
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Gm17	11326824	11326903	Gmdrm	hypo	CG	-0.41
Gm17	11327004	11327037	Gmdrm	hypo	CG	-0.21
Gm17	11327170	11327206	Gmdrm	hypo	CG	-0.44
Gm17	11343898	11343978	Gmdrm	hypo	CG	-0.5
Gm17	11344233	11344461	Gmdrm	hypo	CG	-0.5525
Gm17	11344860	11344913	Gmdrm	hypo	CG	-0.3267
Gm17	11358121	11358409	Gmdrm	hypo	CG	-0.675
Gm17	11390260	11390342	Gmdrm	hypo	CG	-0.78
Gm17	11392378	11392544	Gmdrm	hypo	CG	-0.044
Gm17	11404660	11404768	Gmdrm	hypo	CG	-0.3117
Gm17	11415193	11415630	Gmdrm	hypo	CG	-0.7873
Gm17	11416243	11416575	Gmdrm	hypo	CG	-0.843
Gm17	11424926	11425126	Gmdrm	hypo	CG	-0.1223
Gm17	11440935	11440997	Gmdrm	hypo	CG	-0.945
Gm17	11441275	11441302	Gmdrm	hypo	CG	-0.89
Gm17	11441403	11441589	Gmdrm	hypo	CG	-0.8791
Gm17	11441725	11441811	Gmdrm	hypo	CG	-0.4488
Gm17	11446529	11446926	Gmdrm	hypo	CG	-0.8423
Gm17	11448458	11448524	Gmdrm	hypo	CG	-0.79
Gm17	11460390	11460479	Gmdrm	hypo	CG	-0.735
Gm17	11463322	11463427	Gmdrm	hypo	CG	-0.835
Gm17	11465843	11466024	Gmdrm	hypo	CG	-0.8368
Gm17	11466628	11466779	Gmdrm	hypo	CG	-0.1968
Gm17	11485839	11486244	Gmdrm	hypo	CG	-0.3274
Gm17	11493033	11493233	Gmdrm	hypo	CG	-0.0523
Gm17	11509978	11510129	Gmdrm	hypo	CG	-0.9325
Gm17	11517877	11518160	Gmdrm	hypo	CG	-0.1618
Gm17	11521156	11521301	Gmdrm	hypo	CG	-0.5234
Gm17	11548087	11548326	Gmdrm	hypo	CG	-0.2564
Gm17	11560453	11560809	Gmdrm	hypo	CG	-0.6487
Gm17	11561267	11561496	Gmdrm	hypo	CG	-0.5711
Gm17	11561957	11562261	Gmdrm	hypo	CG	-0.6905

Gm17	11583568	11583695	Gmdrm	hypo	CG	-0.8587
Gm17	11593993	11594099	Gmdrm	hypo	CG	-0.6058
Gm17	11594337	11594417	Gmdrm	hypo	CG	-0.6583
Gm17	11603790	11604098	Gmdrm	hypo	CG	-0.0744
Gm17	11631290	11631341	Gmdrm	hypo	CG	-0.7167
Gm17	11708549	11708783	Gmdrm	hypo	CG	-0.1307
Gm17	11724236	11724681	Gmdrm	hypo	CG	-0.38
Gm17	11726544	11726661	Gmdrm	hypo	CG	-0.9693
Gm17	11739985	11740096	Gmdrm	hypo	CG	-0.8167
Gm17	11748024	11748072	Gmdrm	hypo	CG	-0.92
Gm17	11752170	11752462	Gmdrm	hypo	CG	-0.0963
Gm17	11752580	11752724	Gmdrm	hypo	CG	-0.3057
Gm17	11752989	11753210	Gmdrm	hypo	CG	-0.3035
Gm17	11763193	11763245	Gmdrm	hypo	CG	-0.61
Gm17	11769296	11769422	Gmdrm	hypo	CG	-0.0283
Gm17	11777555	11777706	Gmdrm	hypo	CG	-0.5685
Gm17	11778214	11778503	Gmdrm	hypo	CG	-0.069
Gm17	11779735	11779924	Gmdrm	hypo	CG	-0.0516
Gm17	11780690	11780778	Gmdrm	hypo	CG	-0.3344
Gm17	11784632	11784715	Gmdrm	hypo	CG	-0.5051
Gm17	11793934	11794066	Gmdrm	hypo	CG	-0.803
Gm17	11801686	11801947	Gmdrm	hypo	CG	-0.5519
Gm17	11808113	11808237	Gmdrm	hypo	CG	-0.9217
Gm17	11813105	11813327	Gmdrm	hypo	CG	-0.3085
Gm17	11819223	11819542	Gmdrm	hypo	CG	-0.2481
Gm17	11820029	11820267	Gmdrm	hypo	CG	-0.7915
Gm17	11849596	11849815	Gmdrm	hypo	CG	-0.0646
Gm17	11850460	11850543	Gmdrm	hypo	CG	-0.9333
Gm17	11852178	11852346	Gmdrm	hypo	CG	-0.042
Gm17	11854033	11854384	Gmdrm	hypo	CG	-0.8995
Gm17	11854916	11855237	Gmdrm	hypo	CG	-0.67
Gm17	11857308	11857571	Gmdrm	hypo	CG	-0.229
Gm17	11858476	11858815	Gmdrm	hypo	CG	-0.0788
Gm17	11864780	11864903	Gmdrm	hypo	CG	-0.46
Gm17	11866345	11866483	Gmdrm	hypo	CG	-0.0383
Gm17	11867834	11867992	Gmdrm	hypo	CG	-0.6417
Gm17	11869589	11869909	Gmdrm	hypo	CG	-0.5848
Gm17	11881840	11882171	Gmdrm	hypo	CG	-0.8187
Gm17	11892542	11892706	Gmdrm	hypo	CG	-0.9736
Gm17	11906223	11906410	Gmdrm	hypo	CG	-0.0525
Gm17	11907150	11907304	Gmdrm	hypo	CG	-0.1763
Gm17	11912360	11912601	Gmdrm	hypo	CG	-0.9729
Gm17	11933806	11933863	Gmdrm	hypo	CG	-0.9534
Gm17	11934145	11934292	Gmdrm	hypo	CG	-0.785
Gm17	11963418	11963606	Gmdrm	hypo	CG	-0.551
Gm17	11967645	11967662	Gmdrm	hypo	CG	-0.6888

Gm17	11967866	11967917	Gmdrm	hypo	CG	-0.765
Gm17	11975437	11975661	Gmdrm	hypo	CG	-0.7684
Gm17	11978662	11978722	Gmdrm	hypo	CG	-0.9733
Gm17	12018270	12018510	Gmdrm	hypo	CG	-0.9475
Gm17	12018623	12018818	Gmdrm	hypo	CG	-0.785
Gm17	12019354	12020005	Gmdrm	hypo	CG	-0.8272
Gm17	12029976	12030078	Gmdrm	hypo	CG	-0.946
Gm17	12030302	12030434	Gmdrm	hypo	CG	-0.9407
Gm17	12048267	12048349	Gmdrm	hypo	CG	-0.3484
Gm17	12066365	12066625	Gmdrm	hypo	CG	-0.2523
Gm17	12072733	12073188	Gmdrm	hypo	CG	-0.0546
Gm17	12084320	12084356	Gmdrm	hypo	CG	-0.5467
Gm17	12085273	12085376	Gmdrm	hypo	CG	-0.17
Gm17	12167671	12167794	Gmdrm	hypo	CG	-0.6783
Gm17	12177937	12178025	Gmdrm	hypo	CG	-0.8
Gm17	12223163	12223245	Gmdrm	hypo	CG	-0.9337
Gm17	12223408	12223424	Gmdrm	hypo	CG	-0.935
Gm17	12223701	12223809	Gmdrm	hypo	CG	-0.9175
Gm17	12228907	12229082	Gmdrm	hypo	CG	-0.5737
Gm17	12236946	12237176	Gmdrm	hypo	CG	-0.1406
Gm17	12237865	12237887	Gmdrm	hypo	CG	-0.7083
Gm17	12238415	12238465	Gmdrm	hypo	CG	-0.3199
Gm17	12244302	12244619	Gmdrm	hypo	CG	-0.0782
Gm17	12248847	12248858	Gmdrm	hypo	CG	-0.2934
Gm17	12249322	12249584	Gmdrm	hypo	CG	-0.5956
Gm17	12252958	12253103	Gmdrm	hypo	CG	-0.8728
Gm17	12253386	12253459	Gmdrm	hypo	CG	-0.46
Gm17	12257901	12257931	Gmdrm	hypo	CG	-0.935
Gm17	12268421	12268508	Gmdrm	hypo	CG	-0.038
Gm17	12274455	12274711	Gmdrm	hypo	CG	-0.9454
Gm17	12274897	12274987	Gmdrm	hypo	CG	-0.9224
Gm17	12298858	12298910	Gmdrm	hypo	CG	-0.6987
Gm17	12302378	12302468	Gmdrm	hypo	CG	-0.0967
Gm17	12322937	12323504	Gmdrm	hypo	CG	-0.085
Gm17	12325740	12325930	Gmdrm	hypo	CG	-0.2756
Gm17	12327188	12327301	Gmdrm	hypo	CG	-0.771
Gm17	12335599	12335699	Gmdrm	hypo	CG	-0.431
Gm17	12343841	12343975	Gmdrm	hypo	CG	-0.8266
Gm17	12344848	12344894	Gmdrm	hypo	CG	-0.8084
Gm17	12345004	12345434	Gmdrm	hypo	CG	-0.4963
Gm17	12346351	12346592	Gmdrm	hypo	CG	-0.7343
Gm17	12357542	12357653	Gmdrm	hypo	CG	-0.9592
Gm17	12367294	12367341	Gmdrm	hypo	CG	-0.74
Gm17	12367877	12367958	Gmdrm	hypo	CG	-0.3374
Gm17	12370127	12370177	Gmdrm	hypo	CG	-0.404
Gm17	12373743	12373784	Gmdrm	hypo	CG	-0.7266

Gm17	12375602	12375775	Gmdrm	hypo	CG	-0.026
Gm17	12404974	12405202	Gmdrm	hypo	CG	-0.254
Gm17	12417346	12417497	Gmdrm	hypo	CG	-0.85
Gm17	12417734	12417779	Gmdrm	hypo	CG	-0.7633
Gm17	12418362	12418467	Gmdrm	hypo	CG	-0.9367
Gm17	12419513	12419816	Gmdrm	hypo	CG	-0.7585
Gm17	12425053	12425424	Gmdrm	hypo	CG	-0.3214
Gm17	12443734	12444050	Gmdrm	hypo	CG	-0.0929
Gm17	12512412	12512511	Gmdrm	hypo	CG	-0.9183
Gm17	12525622	12525692	Gmdrm	hypo	CG	-0.8275
Gm17	12563238	12563326	Gmdrm	hypo	CG	-0.74
Gm17	12577760	12578752	Gmdrm	hypo	CG	-0.024
Gm17	12607274	12607340	Gmdrm	hypo	CG	-0.9438
Gm17	12607448	12607633	Gmdrm	hypo	CG	-0.9326
Gm17	12625792	12625869	Gmdrm	hypo	CG	-0.6816
Gm17	12633835	12634423	Gmdrm	hypo	CG	-0.5933
Gm17	12635240	12635460	Gmdrm	hypo	CG	-0.2128
Gm17	12636708	12636824	Gmdrm	hypo	CG	-0.5517
Gm17	12640413	12640514	Gmdrm	hypo	CG	-0.6499
Gm17	12640648	12640830	Gmdrm	hypo	CG	-0.231
Gm17	12664188	12664343	Gmdrm	hypo	CG	-0.734
Gm17	12668710	12668889	Gmdrm	hypo	CG	-0.5662
Gm17	12673829	12673969	Gmdrm	hypo	CG	-0.6643
Gm17	12696734	12696796	Gmdrm	hypo	CG	-0.515
Gm17	12721380	12721418	Gmdrm	hypo	CG	-0.17
Gm17	12747946	12748063	Gmdrm	hypo	CG	-0.465
Gm17	12787215	12787431	Gmdrm	hypo	CG	-0.59
Gm17	12787695	12787736	Gmdrm	hypo	CG	-0.2467
Gm17	12794513	12794728	Gmdrm	hypo	CG	-0.6708
Gm17	12833841	12834122	Gmdrm	hypo	CG	-0.9008
Gm17	12834264	12834348	Gmdrm	hypo	CG	-0.5612
Gm17	12834775	12834852	Gmdrm	hypo	CG	-0.9362
Gm17	12846364	12846449	Gmdrm	hypo	CG	-0.6888
Gm17	12846768	12847021	Gmdrm	hypo	CG	-0.588
Gm17	12855810	12855862	Gmdrm	hypo	CG	-0.68
Gm17	12859561	12859824	Gmdrm	hypo	CG	-0.7745
Gm17	12868150	12868406	Gmdrm	hypo	CG	-0.8057
Gm17	12886245	12886284	Gmdrm	hypo	CG	-0.6484
Gm17	12886767	12886961	Gmdrm	hypo	CG	-0.1392
Gm17	12900699	12900822	Gmdrm	hypo	CG	-0.0325
Gm17	12903743	12903785	Gmdrm	hypo	CG	-0.9583
Gm17	12914249	12914317	Gmdrm	hypo	CG	-0.9537
Gm17	12931624	12931715	Gmdrm	hypo	CG	-0.028
Gm17	12938417	12938430	Gmdrm	hypo	CG	-0.5
Gm17	12939032	12939173	Gmdrm	hypo	CG	-0.4613
Gm17	12939396	12939426	Gmdrm	hypo	CG	-0.34

Gm17	12939743	12939948	Gmdrm	hypo	CG	-0.1785
Gm17	12940079	12940136	Gmdrm	hypo	CG	-0.3367
Gm17	12971311	12971418	Gmdrm	hypo	CG	-0.0363
Gm17	12974452	12974557	Gmdrm	hypo	CG	-0.342
Gm17	12974719	12974976	Gmdrm	hypo	CG	-0.552
Gm17	12975334	12975655	Gmdrm	hypo	CG	-0.2089
Gm17	12975960	12976300	Gmdrm	hypo	CG	-0.6894
Gm17	12978851	12978947	Gmdrm	hypo	CG	-0.195
Gm17	12979421	12979944	Gmdrm	hypo	CG	-0.1122
Gm17	12983048	12983182	Gmdrm	hypo	CG	-0.809
Gm17	12991038	12991120	Gmdrm	hypo	CG	-0.9376
Gm17	13020272	13020468	Gmdrm	hypo	CG	-0.2708
Gm17	13022193	13022292	Gmdrm	hypo	CG	-0.198
Gm17	13022408	13022652	Gmdrm	hypo	CG	-0.8487
Gm17	13034129	13034269	Gmdrm	hypo	CG	-0.9325
Gm17	13046288	13046546	Gmdrm	hypo	CG	-0.5115
Gm17	13047397	13047469	Gmdrm	hypo	CG	-0.947
Gm17	13048591	13048921	Gmdrm	hypo	CG	-0.3745
Gm17	13049130	13049230	Gmdrm	hypo	CG	-0.57
Gm17	13051864	13052302	Gmdrm	hypo	CG	-0.7125
Gm17	13061957	13062046	Gmdrm	hypo	CG	-0.0727
Gm17	13062623	13062881	Gmdrm	hypo	CG	-0.1563
Gm17	13071408	13071499	Gmdrm	hypo	CG	-0.764
Gm17	13081881	13082064	Gmdrm	hypo	CG	-0.7972
Gm17	13082586	13082668	Gmdrm	hypo	CG	-0.7184
Gm17	13087360	13087599	Gmdrm	hypo	CG	-0.8814
Gm17	13101997	13102053	Gmdrm	hypo	CG	-0.9883
Gm17	13111132	13111235	Gmdrm	hypo	CG	-0.9449
Gm17	13113342	13113391	Gmdrm	hypo	CG	-0.155
Gm17	13114205	13114785	Gmdrm	hypo	CG	-0.2617
Gm17	13119707	13120025	Gmdrm	hypo	CG	-0.9182
Gm17	13120303	13120467	Gmdrm	hypo	CG	-0.5574
Gm17	13147658	13147806	Gmdrm	hypo	CG	-0.9
Gm17	13147917	13148111	Gmdrm	hypo	CG	-0.8286
Gm17	13163149	13163324	Gmdrm	hypo	CG	-0.285
Gm17	13182487	13182692	Gmdrm	hypo	CG	-0.44
Gm17	13205067	13205428	Gmdrm	hypo	CG	-0.6906
Gm17	13205547	13205634	Gmdrm	hypo	CG	-0.2591
Gm17	13208878	13209218	Gmdrm	hypo	CG	-0.0372
Gm17	13225442	13225621	Gmdrm	hypo	CG	-0.7583
Gm17	13250470	13250541	Gmdrm	hypo	CG	-0.4
Gm17	13260715	13260750	Gmdrm	hypo	CG	-0.9683
Gm17	13271834	13272068	Gmdrm	hypo	CG	-0.2538
Gm17	13293274	13293362	Gmdrm	hypo	CG	-0.442
Gm17	13315760	13315886	Gmdrm	hypo	CG	-0.3593
Gm17	13316556	13316672	Gmdrm	hypo	CG	-0.71

Gm17	13327172	13327338	Gmdrm	hypo	CG	-0.7117
Gm17	13327686	13327914	Gmdrm	hypo	CG	-0.154
Gm17	13328615	13328745	Gmdrm	hypo	CG	-0.945
Gm17	13329680	13329841	Gmdrm	hypo	CG	-0.2999
Gm17	13329996	13330194	Gmdrm	hypo	CG	-0.6658
Gm17	13338240	13338356	Gmdrm	hypo	CG	-0.042
Gm17	13341441	13341733	Gmdrm	hypo	CG	-0.4614
Gm17	13343405	13344027	Gmdrm	hypo	CG	-0.0442
Gm17	13344230	13344365	Gmdrm	hypo	CG	-0.32
Gm17	13373623	13373827	Gmdrm	hypo	CG	-0.6654
Gm17	13399178	13399682	Gmdrm	hypo	CG	-0.1673
Gm17	13408585	13408772	Gmdrm	hypo	CG	-0.1648
Gm17	13421182	13421379	Gmdrm	hypo	CG	-0.053
Gm17	13459487	13459553	Gmdrm	hypo	CG	-0.74
Gm17	13461393	13461451	Gmdrm	hypo	CG	-0.7717
Gm17	13469497	13469520	Gmdrm	hypo	CG	-0.7983
Gm17	13470882	13470964	Gmdrm	hypo	CG	-0.955
Gm17	13484843	13484900	Gmdrm	hypo	CG	-0.4466
Gm17	13522865	13523100	Gmdrm	hypo	CG	-0.154
Gm17	13523594	13523664	Gmdrm	hypo	CG	-0.8062
Gm17	13564062	13564382	Gmdrm	hypo	CG	-0.22
Gm17	13564610	13564852	Gmdrm	hypo	CG	-0.85
Gm17	13565104	13565190	Gmdrm	hypo	CG	-0.938
Gm17	13583187	13583358	Gmdrm	hypo	CG	-0.644
Gm17	13591009	13591463	Gmdrm	hypo	CG	-0.292
Gm17	13593895	13594269	Gmdrm	hypo	CG	-0.125
Gm17	13608167	13608918	Gmdrm	hypo	CG	-0.032
Gm17	13615045	13615097	Gmdrm	hypo	CG	-0.936
Gm17	13635143	13635456	Gmdrm	hypo	CG	-0.4242
Gm17	13639422	13640337	Gmdrm	hypo	CG	-0.3759
Gm17	13643322	13643574	Gmdrm	hypo	CG	-0.5125
Gm17	13656943	13657502	Gmdrm	hypo	CG	-0.2594
Gm17	13675427	13675720	Gmdrm	hypo	CG	-0.3864
Gm17	13676394	13676493	Gmdrm	hypo	CG	-0.03
Gm17	13679127	13679185	Gmdrm	hypo	CG	-0.8967
Gm17	13679821	13680098	Gmdrm	hypo	CG	-0.7882
Gm17	13688717	13688948	Gmdrm	hypo	CG	-0.3481
Gm17	13691582	13691762	Gmdrm	hypo	CG	-0.132
Gm17	13698261	13698370	Gmdrm	hypo	CG	-0.166
Gm17	13715959	13716133	Gmdrm	hypo	CG	-0.9422
Gm17	13720594	13720647	Gmdrm	hypo	CG	-0.2067
Gm17	13723768	13723959	Gmdrm	hypo	CG	-0.0286
Gm17	13762759	13762989	Gmdrm	hypo	CG	-0.6008
Gm17	13763116	13763175	Gmdrm	hypo	CG	-0.717
Gm17	13788857	13789096	Gmdrm	hypo	CG	-0.0409
Gm17	13800224	13800375	Gmdrm	hypo	CG	-0.5633

Gm17	13803045	13803305	Gmdrm	hypo	CG	-0.0393
Gm17	13804939	13805030	Gmdrm	hypo	CG	-0.1388
Gm17	13807857	13807945	Gmdrm	hypo	CG	-0.3533
Gm17	13808610	13808738	Gmdrm	hypo	CG	-0.2787
Gm17	13809117	13809275	Gmdrm	hypo	CG	-0.8767
Gm17	13815756	13815840	Gmdrm	hypo	CG	-0.9216
Gm17	13837009	13837114	Gmdrm	hypo	CG	-0.5213
Gm17	13855671	13855696	Gmdrm	hypo	CG	-0.17
Gm17	13870387	13870537	Gmdrm	hypo	CG	-0.0367
Gm17	13890818	13890925	Gmdrm	hypo	CG	-0.8355
Gm17	13948856	13949213	Gmdrm	hypo	CG	-0.0743
Gm17	13977414	13977942	Gmdrm	hypo	CG	-0.0603
Gm17	14016915	14017020	Gmdrm	hypo	CG	-0.68
Gm17	14030781	14030860	Gmdrm	hypo	CG	-0.06
Gm17	14031827	14032063	Gmdrm	hypo	CG	-0.6493
Gm17	14053158	14053490	Gmdrm	hypo	CG	-0.5172
Gm17	14072123	14072450	Gmdrm	hypo	CG	-0.1136
Gm17	14072576	14072939	Gmdrm	hypo	CG	-0.507
Gm17	14076660	14076999	Gmdrm	hypo	CG	-0.4227
Gm17	14085422	14085537	Gmdrm	hypo	CG	-0.6433
Gm17	14088645	14088689	Gmdrm	hypo	CG	-0.688
Gm17	14095717	14095926	Gmdrm	hypo	CG	-0.38
Gm17	14107730	14107904	Gmdrm	hypo	CG	-0.659
Gm17	14132932	14133108	Gmdrm	hypo	CG	-0.045
Gm17	14139861	14140044	Gmdrm	hypo	CG	-0.0516
Gm17	14140729	14141038	Gmdrm	hypo	CG	-0.4556
Gm17	14143924	14143996	Gmdrm	hypo	CG	-0.131
Gm17	14144277	14144735	Gmdrm	hypo	CG	-0.6208
Gm17	14201404	14201988	Gmdrm	hypo	CG	-0.0408
Gm17	14203056	14203506	Gmdrm	hypo	CG	-0.0319
Gm17	14234330	14234463	Gmdrm	hypo	CG	-0.3165
Gm17	14277343	14277543	Gmdrm	hypo	CG	-0.0936
Gm17	14359036	14359060	Gmdrm	hypo	CG	-0.09
Gm17	14360806	14360907	Gmdrm	hypo	CG	-0.6863
Gm17	14361307	14361340	Gmdrm	hypo	CG	-0.8833
Gm17	14363310	14363468	Gmdrm	hypo	CG	-0.6584
Gm17	14366666	14366710	Gmdrm	hypo	CG	-0.24
Gm17	14385901	14386068	Gmdrm	hypo	CG	-0.8329
Gm17	14386205	14386295	Gmdrm	hypo	CG	-0.28
Gm17	14386699	14386959	Gmdrm	hypo	CG	-0.2494
Gm17	14387891	14387999	Gmdrm	hypo	CG	-0.1388
Gm17	14396369	14396569	Gmdrm	hypo	CG	-0.04
Gm17	14430504	14430624	Gmdrm	hypo	CG	-0.6536
Gm17	14433426	14433857	Gmdrm	hypo	CG	-0.1925
Gm17	14460272	14460335	Gmdrm	hypo	CG	-0.7734
Gm17	14487948	14488167	Gmdrm	hypo	CG	-0.0572

Gm17	14490776	14490930 Gmdrm	hypo	CG	-0.5987
Gm17	14524459	14524490 Gmdrm	hypo	CG	-0.9883
Gm17	14551532	14551596 Gmdrm	hypo	CG	-0.479
Gm17	14574715	14574783 Gmdrm	hypo	CG	-0.6186
Gm17	14575439	14575550 Gmdrm	hypo	CG	-0.5512
Gm17	14580794	14580872 Gmdrm	hypo	CG	-0.5817
Gm17	14581024	14581211 Gmdrm	hypo	CG	-0.785
Gm17	14581359	14581391 Gmdrm	hypo	CG	-0.5384
Gm17	14595136	14595254 Gmdrm	hypo	CG	-0.41
Gm17	14597944	14598171 Gmdrm	hypo	CG	-0.1227
Gm17	14608296	14608433 Gmdrm	hypo	CG	-0.8525
Gm17	14639407	14639509 Gmdrm	hypo	CG	-0.2875
Gm17	14641595	14641839 Gmdrm	hypo	CG	-0.8125
Gm17	14641976	14642193 Gmdrm	hypo	CG	-0.5005
Gm17	14664161	14664229 Gmdrm	hypo	CG	-0.5983
Gm17	14664406	14664542 Gmdrm	hypo	CG	-0.7566
Gm17	14669826	14670077 Gmdrm	hypo	CG	-0.0635
Gm17	14670199	14670507 Gmdrm	hypo	CG	-0.0436
Gm17	14676923	14676952 Gmdrm	hypo	CG	-0.1516
Gm17	14682703	14683033 Gmdrm	hypo	CG	-0.4103
Gm17	14690765	14690866 Gmdrm	hypo	CG	-0.06
Gm17	14691906	14692217 Gmdrm	hypo	CG	-0.0311
Gm17	14692750	14692916 Gmdrm	hypo	CG	-0.0392
Gm17	14707620	14707662 Gmdrm	hypo	CG	-0.9114
Gm17	14708300	14708389 Gmdrm	hypo	CG	-0.4667
Gm17	14721761	14721912 Gmdrm	hypo	CG	-0.0729
Gm17	14728219	14728387 Gmdrm	hypo	CG	-0.164
Gm17	14730099	14730164 Gmdrm	hypo	CG	-0.6283
Gm17	14730311	14730362 Gmdrm	hypo	CG	-0.7366
Gm17	14735081	14735161 Gmdrm	hypo	CG	-0.25
Gm17	14796176	14796260 Gmdrm	hypo	CG	-0.0417
Gm17	14840262	14841017 Gmdrm	hypo	CG	-0.0305
Gm17	14875227	14875343 Gmdrm	hypo	CG	-0.0585
Gm17	14877549	14877667 Gmdrm	hypo	CG	-0.0517
Gm17	14963747	14963858 Gmdrm	hypo	CG	-0.6266
Gm17	14964183	14964314 Gmdrm	hypo	CG	-0.3339
Gm17	15015023	15015235 Gmdrm	hypo	CG	-0.8069
Gm17	15019308	15019567 Gmdrm	hypo	CG	-0.5139
Gm17	15040116	15041085 Gmdrm	hypo	CG	-0.0366
Gm17	15073828	15073904 Gmdrm	hypo	CG	-0.5333
Gm17	15074503	15074542 Gmdrm	hypo	CG	-0.8637
Gm17	15118909	15119135 Gmdrm	hypo	CG	-0.9112
Gm17	15145372	15145527 Gmdrm	hypo	CG	-0.61
Gm17	15145636	15145745 Gmdrm	hypo	CG	-0.435
Gm17	15152281	15152357 Gmdrm	hypo	CG	-0.4438
Gm17	15152498	15152706 Gmdrm	hypo	CG	-0.2125

Gm17	15152820	15152916 Gmdrm	hypo	CG	-0.2725
Gm17	15153026	15153344 Gmdrm	hypo	CG	-0.1533
Gm17	15154786	15154951 Gmdrm	hypo	CG	-0.4187
Gm17	15168842	15168955 Gmdrm	hypo	CG	-0.5117
Gm17	15175336	15175478 Gmdrm	hypo	CG	-0.3738
Gm17	15178209	15178297 Gmdrm	hypo	CG	-0.3307
Gm17	15178498	15178576 Gmdrm	hypo	CG	-0.26
Gm17	15185404	15185614 Gmdrm	hypo	CG	-0.4707
Gm17	15230909	15230976 Gmdrm	hypo	CG	-0.466
Gm17	15250554	15250750 Gmdrm	hypo	CG	-0.0839
Gm17	15254267	15254423 Gmdrm	hypo	CG	-0.1134
Gm17	15257659	15258037 Gmdrm	hypo	CG	-0.5559
Gm17	15260140	15260278 Gmdrm	hypo	CG	-0.0759
Gm17	15266898	15267251 Gmdrm	hypo	CG	-0.8728
Gm17	15272201	15272365 Gmdrm	hypo	CG	-0.025
Gm17	15275363	15276017 Gmdrm	hypo	CG	-0.2603
Gm17	15286872	15287173 Gmdrm	hypo	CG	-0.915
Gm17	15291000	15291203 Gmdrm	hypo	CG	-0.2911
Gm17	15298610	15298678 Gmdrm	hypo	CG	-0.9842
Gm17	15299482	15299644 Gmdrm	hypo	CG	-0.915
Gm17	15314345	15314628 Gmdrm	hypo	CG	-0.3246
Gm17	15315151	15315430 Gmdrm	hypo	CG	-0.225
Gm17	15315862	15316312 Gmdrm	hypo	CG	-0.642
Gm17	15346242	15346761 Gmdrm	hypo	CG	-0.0653
Gm17	15367334	15367538 Gmdrm	hypo	CG	-0.0375
Gm17	15373891	15374073 Gmdrm	hypo	CG	-0.1288
Gm17	15388130	15388256 Gmdrm	hypo	CG	-0.4967
Gm17	15421503	15421625 Gmdrm	hypo	CG	-0.114
Gm17	15431029	15431291 Gmdrm	hypo	CG	-0.8475
Gm17	15431791	15431928 Gmdrm	hypo	CG	-0.85
Gm17	15439780	15439904 Gmdrm	hypo	CG	-0.5367
Gm17	15449142	15449318 Gmdrm	hypo	CG	-0.1391
Gm17	15461585	15461634 Gmdrm	hypo	CG	-0.1783
Gm17	15463178	15463404 Gmdrm	hypo	CG	-0.6874
Gm17	15472699	15472937 Gmdrm	hypo	CG	-0.5313
Gm17	15474348	15474385 Gmdrm	hypo	CG	-0.9137
Gm17	15474967	15475193 Gmdrm	hypo	CG	-0.3843
Gm17	15487549	15488532 Gmdrm	hypo	CG	-0.5919
Gm17	15488572	15488767 Gmdrm	hypo	CG	-0.5292
Gm17	15488887	15489701 Gmdrm	hypo	CG	-0.521
Gm17	15489978	15490154 Gmdrm	hypo	CG	-0.6012
Gm17	15490658	15490879 Gmdrm	hypo	CG	-0.3957
Gm17	15509503	15509861 Gmdrm	hypo	CG	-0.5704
Gm17	15514281	15514333 Gmdrm	hypo	CG	-0.954
Gm17	15514940	15515053 Gmdrm	hypo	CG	-0.0338
Gm17	15536838	15537177 Gmdrm	hypo	CG	-0.4045

Gm17	15562952	15563206	Gmdrm	hypo	CG	-0.0986
Gm17	15567937	15568067	Gmdrm	hypo	CG	-0.2263
Gm17	15576789	15576943	Gmdrm	hypo	CG	-0.3075
Gm17	15580292	15580990	Gmdrm	hypo	CG	-0.2314
Gm17	15581275	15581426	Gmdrm	hypo	CG	-0.8466
Gm17	15591536	15591652	Gmdrm	hypo	CG	-0.1933
Gm17	15593223	15593336	Gmdrm	hypo	CG	-0.444
Gm17	15603006	15603263	Gmdrm	hypo	CG	-0.1304
Gm17	15612078	15612274	Gmdrm	hypo	CG	-0.2713
Gm17	15616658	15616881	Gmdrm	hypo	CG	-0.3321
Gm17	15636402	15636495	Gmdrm	hypo	CG	-0.523
Gm17	15637864	15637919	Gmdrm	hypo	CG	-0.65
Gm17	15644283	15644488	Gmdrm	hypo	CG	-0.8936
Gm17	15683458	15683583	Gmdrm	hypo	CG	-0.9917
Gm17	15794472	15794620	Gmdrm	hypo	CG	-0.0991
Gm17	15798900	15798957	Gmdrm	hypo	CG	-0.495
Gm17	15799618	15799691	Gmdrm	hypo	CG	-0.028
Gm17	15830926	15831072	Gmdrm	hypo	CG	-0.9666
Gm17	15833402	15833614	Gmdrm	hypo	CG	-0.8094
Gm17	15857670	15857877	Gmdrm	hypo	CG	-0.5592
Gm17	15876387	15876587	Gmdrm	hypo	CG	-0.05
Gm17	15887453	15887518	Gmdrm	hypo	CG	-0.5816
Gm17	15921802	15921829	Gmdrm	hypo	CG	-0.5767
Gm17	15922203	15922394	Gmdrm	hypo	CG	-0.358
Gm17	15929426	15929663	Gmdrm	hypo	CG	-0.0744
Gm17	15936293	15936760	Gmdrm	hypo	CG	-0.5869
Gm17	15942177	15942304	Gmdrm	hypo	CG	-0.125
Gm17	15951553	15951664	Gmdrm	hypo	CG	-0.095
Gm17	15971887	15972036	Gmdrm	hypo	CG	-0.5771
Gm17	15972784	15972815	Gmdrm	hypo	CG	-0.5383
Gm17	15972934	15972993	Gmdrm	hypo	CG	-0.6833
Gm17	15974057	15974320	Gmdrm	hypo	CG	-0.6726
Gm17	15974570	15974701	Gmdrm	hypo	CG	-0.8
Gm17	16023798	16023869	Gmdrm	hypo	CG	-0.935
Gm17	16056176	16056266	Gmdrm	hypo	CG	-0.153
Gm17	16067150	16067347	Gmdrm	hypo	CG	-0.0464
Gm17	16131810	16131950	Gmdrm	hypo	CG	-0.8064
Gm17	16135597	16136006	Gmdrm	hypo	CG	-0.0574
Gm17	16179729	16180047	Gmdrm	hypo	CG	-0.0331
Gm17	16199260	16199452	Gmdrm	hypo	CG	-0.7194
Gm17	16208485	16208566	Gmdrm	hypo	CG	-0.8716
Gm17	16263824	16263837	Gmdrm	hypo	CG	-0.59
Gm17	16294556	16295241	Gmdrm	hypo	CG	-0.0345
Gm17	16344634	16344657	Gmdrm	hypo	CG	-0.0883
Gm17	16451677	16452355	Gmdrm	hypo	CG	-0.0366
Gm17	16489675	16489700	Gmdrm	hypo	CG	-0.09

Gm17	16554869	16555099	Gmdrm	hypo	CG	-0.085
Gm17	16611919	16612463	Gmdrm	hypo	CG	-0.0444
Gm17	16691656	16691809	Gmdrm	hypo	CG	-0.0826
Gm17	16816721	16816957	Gmdrm	hypo	CG	-0.067
Gm17	16849547	16849730	Gmdrm	hypo	CG	-0.0481
Gm17	17004414	17004549	Gmdrm	hypo	CG	-0.0628
Gm17	17042732	17042969	Gmdrm	hypo	CG	-0.0603
Gm17	17053991	17054052	Gmdrm	hypo	CG	-0.1016
Gm17	17160750	17161104	Gmdrm	hypo	CG	-0.0461
Gm17	17197435	17198428	Gmdrm	hypo	CG	-0.0301
Gm17	17205096	17205870	Gmdrm	hypo	CG	-0.0557
Gm17	17224018	17224240	Gmdrm	hypo	CG	-0.0675
Gm17	17249203	17250195	Gmdrm	hypo	CG	-0.0255
Gm17	17271839	17272318	Gmdrm	hypo	CG	-0.0337
Gm17	17324198	17324850	Gmdrm	hypo	CG	-0.0257
Gm17	17555671	17555803	Gmdrm	hypo	CG	-0.16
Gm17	17630812	17631231	Gmdrm	hypo	CG	-0.0344
Gm17	17707453	17707521	Gmdrm	hypo	CG	-0.2316
Gm17	17745667	17746000	Gmdrm	hypo	CG	-0.1642
Gm17	17815824	17816209	Gmdrm	hypo	CG	-0.0392
Gm17	17825955	17826097	Gmdrm	hypo	CG	-0.0758
Gm17	17851222	17851482	Gmdrm	hypo	CG	-0.7582
Gm17	17852401	17852602	Gmdrm	hypo	CG	-0.706
Gm17	17854112	17854336	Gmdrm	hypo	CG	-0.593
Gm17	17867052	17867380	Gmdrm	hypo	CG	-0.5311
Gm17	17874488	17874628	Gmdrm	hypo	CG	-0.1707
Gm17	17878216	17878290	Gmdrm	hypo	CG	-0.444
Gm17	17880781	17880916	Gmdrm	hypo	CG	-0.8884
Gm17	17882055	17882470	Gmdrm	hypo	CG	-0.6321
Gm17	17882887	17883282	Gmdrm	hypo	CG	-0.2304
Gm17	17885360	17886071	Gmdrm	hypo	CG	-0.0877
Gm17	17886206	17886380	Gmdrm	hypo	CG	-0.2178
Gm17	17890651	17890827	Gmdrm	hypo	CG	-0.1233
Gm17	17894135	17894198	Gmdrm	hypo	CG	-0.0925
Gm17	17934860	17934881	Gmdrm	hypo	CG	-0.915
Gm17	17937065	17937209	Gmdrm	hypo	CG	-0.3484
Gm17	17937381	17937468	Gmdrm	hypo	CG	-0.2583
Gm17	17937640	17937790	Gmdrm	hypo	CG	-0.1636
Gm17	17938017	17938111	Gmdrm	hypo	CG	-0.4723
Gm17	17940932	17940997	Gmdrm	hypo	CG	-0.168
Gm17	17941101	17941231	Gmdrm	hypo	CG	-0.458
Gm17	17941779	17941996	Gmdrm	hypo	CG	-0.6719
Gm17	17948350	17948554	Gmdrm	hypo	CG	-0.3316
Gm17	17950032	17950274	Gmdrm	hypo	CG	-0.8633
Gm17	17976250	17976622	Gmdrm	hypo	CG	-0.0622
Gm17	17979567	17979720	Gmdrm	hypo	CG	-0.2213

Gm17	17994107	17994264	Gmdrm	hypo	CG	-0.3816
Gm17	18093988	18094004	Gmdrm	hypo	CG	-0.2267
Gm17	18106827	18106927	Gmdrm	hypo	CG	-0.4017
Gm17	18108689	18109034	Gmdrm	hypo	CG	-0.0545
Gm17	18205320	18205490	Gmdrm	hypo	CG	-0.3833
Gm17	18205890	18205907	Gmdrm	hypo	CG	-0.7012
Gm17	18283148	18283333	Gmdrm	hypo	CG	-0.18
Gm17	18292720	18292923	Gmdrm	hypo	CG	-0.714
Gm17	18331754	18331835	Gmdrm	hypo	CG	-0.8958
Gm17	18332507	18332723	Gmdrm	hypo	CG	-0.025
Gm17	18341569	18341864	Gmdrm	hypo	CG	-0.8266
Gm17	18348067	18348162	Gmdrm	hypo	CG	-0.969
Gm17	18348400	18348472	Gmdrm	hypo	CG	-0.9438
Gm17	18436868	18436995	Gmdrm	hypo	CG	-0.862
Gm17	18445255	18445380	Gmdrm	hypo	CG	-0.095
Gm17	18446408	18446450	Gmdrm	hypo	CG	-0.4363
Gm17	18448777	18448912	Gmdrm	hypo	CG	-0.479
Gm17	18449115	18449602	Gmdrm	hypo	CG	-0.32
Gm17	18469732	18469808	Gmdrm	hypo	CG	-0.8467
Gm17	18472112	18472129	Gmdrm	hypo	CG	-0.895
Gm17	18474847	18475088	Gmdrm	hypo	CG	-0.4693
Gm17	18475855	18476262	Gmdrm	hypo	CG	-0.5283
Gm17	18479634	18479745	Gmdrm	hypo	CG	-0.0999
Gm17	18479963	18480079	Gmdrm	hypo	CG	-0.157
Gm17	18490653	18490727	Gmdrm	hypo	CG	-0.5883
Gm17	18491784	18492076	Gmdrm	hypo	CG	-0.1943
Gm17	18493109	18493351	Gmdrm	hypo	CG	-0.5709
Gm17	18495324	18495475	Gmdrm	hypo	CG	-0.2808
Gm17	18507000	18507114	Gmdrm	hypo	CG	-0.6787
Gm17	18507261	18507322	Gmdrm	hypo	CG	-0.787
Gm17	18520785	18520900	Gmdrm	hypo	CG	-0.0933
Gm17	18529823	18530039	Gmdrm	hypo	CG	-0.0445
Gm17	18531183	18531384	Gmdrm	hypo	CG	-0.0717
Gm17	18550398	18550804	Gmdrm	hypo	CG	-0.9012
Gm17	18552626	18552847	Gmdrm	hypo	CG	-0.0854
Gm17	18601151	18601239	Gmdrm	hypo	CG	-0.2112
Gm17	18602208	18602286	Gmdrm	hypo	CG	-0.2417
Gm17	18602660	18602799	Gmdrm	hypo	CG	-0.5167
Gm17	18603222	18603332	Gmdrm	hypo	CG	-0.7325
Gm17	18603800	18603953	Gmdrm	hypo	CG	-0.0333
Gm17	18611782	18611914	Gmdrm	hypo	CG	-0.8313
Gm17	18632871	18633375	Gmdrm	hypo	CG	-0.0512
Gm17	18633650	18634069	Gmdrm	hypo	CG	-0.0486
Gm17	18637680	18637889	Gmdrm	hypo	CG	-0.0662
Gm17	18643515	18643659	Gmdrm	hypo	CG	-0.0614
Gm17	18657702	18657776	Gmdrm	hypo	CG	-0.935

Gm17	18661509	18661606	Gmdrm	hypo	CG	-0.418
Gm17	18661938	18662031	Gmdrm	hypo	CG	-0.29
Gm17	18685449	18685545	Gmdrm	hypo	CG	-0.05
Gm17	18701957	18702017	Gmdrm	hypo	CG	-0.94
Gm17	18711705	18711886	Gmdrm	hypo	CG	-0.0572
Gm17	18717574	18717827	Gmdrm	hypo	CG	-0.077
Gm17	18719954	18720038	Gmdrm	hypo	CG	-0.5183
Gm17	18777882	18778676	Gmdrm	hypo	CG	-0.025
Gm17	18788648	18788699	Gmdrm	hypo	CG	-0.075
Gm17	18842080	18842281	Gmdrm	hypo	CG	-0.869
Gm17	18873545	18873760	Gmdrm	hypo	CG	-0.1058
Gm17	18876087	18876146	Gmdrm	hypo	CG	-0.1283
Gm17	18883626	18883728	Gmdrm	hypo	CG	-0.1271
Gm17	18906727	18906857	Gmdrm	hypo	CG	-0.2483
Gm17	19002267	19002444	Gmdrm	hypo	CG	-0.1237
Gm17	19052918	19052949	Gmdrm	hypo	CG	-0.175
Gm17	19066241	19066779	Gmdrm	hypo	CG	-0.023
Gm17	19076605	19076633	Gmdrm	hypo	CG	-0.0684
Gm17	19134464	19134767	Gmdrm	hypo	CG	-0.0465
Gm17	19157200	19157484	Gmdrm	hypo	CG	-0.6536
Gm17	19197035	19197101	Gmdrm	hypo	CG	-0.257
Gm17	19199631	19200207	Gmdrm	hypo	CG	-0.0368
Gm17	19205339	19205891	Gmdrm	hypo	CG	-0.2172
Gm17	19207210	19207369	Gmdrm	hypo	CG	-0.9525
Gm17	19210070	19210300	Gmdrm	hypo	CG	-0.0645
Gm17	19210461	19210728	Gmdrm	hypo	CG	-0.0817
Gm17	19211698	19211953	Gmdrm	hypo	CG	-0.66
Gm17	19234192	19234539	Gmdrm	hypo	CG	-0.1091
Gm17	19234815	19234981	Gmdrm	hypo	CG	-0.106
Gm17	19239597	19239704	Gmdrm	hypo	CG	-0.0438
Gm17	19254877	19255022	Gmdrm	hypo	CG	-0.0567
Gm17	19256485	19256609	Gmdrm	hypo	CG	-0.3379
Gm17	19258594	19258829	Gmdrm	hypo	CG	-0.668
Gm17	19271838	19272573	Gmdrm	hypo	CG	-0.0381
Gm17	19305754	19306052	Gmdrm	hypo	CG	-0.0738
Gm17	19326896	19327086	Gmdrm	hypo	CG	-0.0447
Gm17	19410136	19410432	Gmdrm	hypo	CG	-0.348
Gm17	19416072	19416178	Gmdrm	hypo	CG	-0.7221
Gm17	19473871	19474417	Gmdrm	hypo	CG	-0.2182
Gm17	19510536	19510624	Gmdrm	hypo	CG	-0.8833
Gm17	19514167	19514188	Gmdrm	hypo	CG	-0.066
Gm17	19719973	19720029	Gmdrm	hypo	CG	-0.162
Gm17	19761532	19761555	Gmdrm	hypo	CG	-0.775
Gm17	19780560	19780737	Gmdrm	hypo	CG	-0.0859
Gm17	19789441	19789620	Gmdrm	hypo	CG	-0.061
Gm17	19821926	19822044	Gmdrm	hypo	CG	-0.0827

Gm17	19823925	19824162	Gmdrm	hypo	CG	-0.2386
Gm17	20135397	20135697	Gmdrm	hypo	CG	-0.0578
Gm17	20178696	20178711	Gmdrm	hypo	CG	-0.0466
Gm17	20188643	20188803	Gmdrm	hypo	CG	-0.055
Gm17	20230760	20231371	Gmdrm	hypo	CG	-0.0319
Gm17	20259189	20259643	Gmdrm	hypo	CG	-0.0664
Gm17	20267882	20267996	Gmdrm	hypo	CG	-0.4537
Gm17	20272219	20272349	Gmdrm	hypo	CG	-0.5133
Gm17	20272477	20272514	Gmdrm	hypo	CG	-0.79
Gm17	20283404	20283592	Gmdrm	hypo	CG	-0.375
Gm17	20293183	20293547	Gmdrm	hypo	CG	-0.345
Gm17	20300372	20300404	Gmdrm	hypo	CG	-0.225
Gm17	20471626	20471832	Gmdrm	hypo	CG	-0.035
Gm17	20492398	20493070	Gmdrm	hypo	CG	-0.0281
Gm17	20577199	20577209	Gmdrm	hypo	CG	-0.83
Gm17	20667741	20668031	Gmdrm	hypo	CG	-0.1141
Gm17	20668595	20668758	Gmdrm	hypo	CG	-0.4129
Gm17	20670230	20670380	Gmdrm	hypo	CG	-0.8088
Gm17	20678317	20678606	Gmdrm	hypo	CG	-0.034
Gm17	20906957	20907641	Gmdrm	hypo	CG	-0.042
Gm17	20948917	20949058	Gmdrm	hypo	CG	-0.388
Gm17	21000298	21000357	Gmdrm	hypo	CG	-0.059
Gm17	21127708	21127730	Gmdrm	hypo	CG	-0.082
Gm17	21166454	21166678	Gmdrm	hypo	CG	-0.0538
Gm17	21259297	21259418	Gmdrm	hypo	CG	-0.07
Gm17	21272288	21272424	Gmdrm	hypo	CG	-0.1628
Gm17	21325761	21325845	Gmdrm	hypo	CG	-0.695
Gm17	21363825	21364307	Gmdrm	hypo	CG	-0.035
Gm17	21365844	21365976	Gmdrm	hypo	CG	-0.0483
Gm17	21441440	21441524	Gmdrm	hypo	CG	-0.83
Gm17	21538482	21539168	Gmdrm	hypo	CG	-0.0441
Gm17	21539769	21540023	Gmdrm	hypo	CG	-0.0812
Gm17	21560234	21560786	Gmdrm	hypo	CG	-0.048
Gm17	21575618	21576464	Gmdrm	hypo	CG	-0.0354
Gm17	21618868	21619304	Gmdrm	hypo	CG	-0.0274
Gm17	21977751	21978034	Gmdrm	hypo	CG	-0.0533
Gm17	22017271	22017401	Gmdrm	hypo	CG	-0.082
Gm17	22120571	22120685	Gmdrm	hypo	CG	-0.0443
Gm17	22192725	22192835	Gmdrm	hypo	CG	-0.1225
Gm17	22194566	22194639	Gmdrm	hypo	CG	-0.4383
Gm17	22247535	22247623	Gmdrm	hypo	CG	-0.0433
Gm17	22261441	22261517	Gmdrm	hypo	CG	-0.2717
Gm17	22296534	22296701	Gmdrm	hypo	CG	-0.2706
Gm17	22297855	22297886	Gmdrm	hypo	CG	-0.08
Gm17	22363916	22364036	Gmdrm	hypo	CG	-0.451
Gm17	22369773	22369857	Gmdrm	hypo	CG	-0.482

Gm17	22444834	22445062	Gmdrm	hypo	CG	-0.0893
Gm17	22496777	22497309	Gmdrm	hypo	CG	-0.0212
Gm17	22516847	22516988	Gmdrm	hypo	CG	-0.038
Gm17	22667397	22667861	Gmdrm	hypo	CG	-0.0447
Gm17	22689569	22689775	Gmdrm	hypo	CG	-0.6163
Gm17	22712791	22712953	Gmdrm	hypo	CG	-0.3217
Gm17	22788520	22788834	Gmdrm	hypo	CG	-0.0353
Gm17	22801257	22801603	Gmdrm	hypo	CG	-0.0961
Gm17	22812620	22812651	Gmdrm	hypo	CG	-0.1429
Gm17	22934788	22934963	Gmdrm	hypo	CG	-0.0586
Gm17	22947916	22948198	Gmdrm	hypo	CG	-0.0986
Gm17	22948792	22949244	Gmdrm	hypo	CG	-0.0944
Gm17	22949405	22949466	Gmdrm	hypo	CG	-0.0736
Gm17	23040300	23040406	Gmdrm	hypo	CG	-0.0713
Gm17	23056979	23057123	Gmdrm	hypo	CG	-0.245
Gm17	23057267	23057445	Gmdrm	hypo	CG	-0.0287
Gm17	23089277	23089447	Gmdrm	hypo	CG	-0.9264
Gm17	23134810	23134884	Gmdrm	hypo	CG	-0.5425
Gm17	23270846	23270893	Gmdrm	hypo	CG	-0.935
Gm17	23285324	23285493	Gmdrm	hypo	CG	-0.1911
Gm17	23304170	23305142	Gmdrm	hypo	CG	-0.1582
Gm17	23310712	23310762	Gmdrm	hypo	CG	-0.066
Gm17	23491952	23492096	Gmdrm	hypo	CG	-0.9362
Gm17	23492336	23492471	Gmdrm	hypo	CG	-0.2775
Gm17	23509022	23509151	Gmdrm	hypo	CG	-0.43
Gm17	23519777	23519947	Gmdrm	hypo	CG	-0.1633
Gm17	23537724	23537960	Gmdrm	hypo	CG	-0.845
Gm17	23538070	23538300	Gmdrm	hypo	CG	-0.8985
Gm17	23558658	23558712	Gmdrm	hypo	CG	-0.0813
Gm17	23619940	23620003	Gmdrm	hypo	CG	-0.895
Gm17	23637814	23637908	Gmdrm	hypo	CG	-0.919
Gm17	23687688	23688058	Gmdrm	hypo	CG	-0.0069
Gm17	23688178	23688404	Gmdrm	hypo	CG	-0.0122
Gm17	23689248	23689833	Gmdrm	hypo	CG	-0.0079
Gm17	23713020	23713111	Gmdrm	hypo	CG	-0.91
Gm17	23715855	23716321	Gmdrm	hypo	CG	-0.0982
Gm17	23723230	23723297	Gmdrm	hypo	CG	-0.665
Gm17	23744646	23744784	Gmdrm	hypo	CG	-0.816
Gm17	23757075	23757180	Gmdrm	hypo	CG	-0.0734
Gm17	23785060	23785180	Gmdrm	hypo	CG	-0.1229
Gm17	23798066	23798200	Gmdrm	hypo	CG	-0.9387
Gm17	23799520	23799641	Gmdrm	hypo	CG	-0.5551
Gm17	23877570	23877751	Gmdrm	hypo	CG	-0.1367
Gm17	23968298	23968398	Gmdrm	hypo	CG	-0.048
Gm17	23977473	23978378	Gmdrm	hypo	CG	-0.0234
Gm17	24005703	24005778	Gmdrm	hypo	CG	-0.2083

Gm17	24007547	24007572	Gmdrm	hypo	CG	-0.345
Gm17	24007770	24007916	Gmdrm	hypo	CG	-0.3833
Gm17	24008328	24008370	Gmdrm	hypo	CG	-0.9529
Gm17	24008740	24008788	Gmdrm	hypo	CG	-0.3738
Gm17	24009350	24009429	Gmdrm	hypo	CG	-0.1917
Gm17	24015765	24015861	Gmdrm	hypo	CG	-0.0537
Gm17	24065997	24066524	Gmdrm	hypo	CG	-0.0495
Gm17	24067200	24067300	Gmdrm	hypo	CG	-0.0822
Gm17	24076009	24076362	Gmdrm	hypo	CG	-0.3339
Gm17	24082726	24082810	Gmdrm	hypo	CG	-0.907
Gm17	24092484	24092806	Gmdrm	hypo	CG	-0.6258
Gm17	24188826	24189017	Gmdrm	hypo	CG	-0.655
Gm17	24197055	24197150	Gmdrm	hypo	CG	-0.8838
Gm17	24197415	24197608	Gmdrm	hypo	CG	-0.0532
Gm17	24197985	24198169	Gmdrm	hypo	CG	-0.5416
Gm17	24203613	24204061	Gmdrm	hypo	CG	-0.0396
Gm17	24215792	24215981	Gmdrm	hypo	CG	-0.8167
Gm17	24253323	24253717	Gmdrm	hypo	CG	-0.0369
Gm17	24257655	24257672	Gmdrm	hypo	CG	-0.36
Gm17	24393217	24394132	Gmdrm	hypo	CG	-0.0447
Gm17	24476854	24477034	Gmdrm	hypo	CG	-0.0592
Gm17	24521371	24521584	Gmdrm	hypo	CG	-0.08
Gm17	24531908	24532030	Gmdrm	hypo	CG	-0.085
Gm17	24568633	24568860	Gmdrm	hypo	CG	-0.2328
Gm17	24590996	24591235	Gmdrm	hypo	CG	-0.5645
Gm17	24637057	24637712	Gmdrm	hypo	CG	-0.0604
Gm17	24659372	24659597	Gmdrm	hypo	CG	-0.0927
Gm17	24734227	24734303	Gmdrm	hypo	CG	-0.0414
Gm17	24894284	24894555	Gmdrm	hypo	CG	-0.0815
Gm17	24909271	24909745	Gmdrm	hypo	CG	-0.0172
Gm17	24941191	24941241	Gmdrm	hypo	CG	-0.2
Gm17	24959766	24959975	Gmdrm	hypo	CG	-0.0986
Gm17	24971616	24972559	Gmdrm	hypo	CG	-0.0397
Gm17	24989929	24990527	Gmdrm	hypo	CG	-0.0262
Gm17	25010086	25010193	Gmdrm	hypo	CG	-0.1312
Gm17	25165102	25165299	Gmdrm	hypo	CG	-0.052
Gm17	25212908	25213086	Gmdrm	hypo	CG	-0.095
Gm17	25280154	25280459	Gmdrm	hypo	CG	-0.0402
Gm17	25306121	25306251	Gmdrm	hypo	CG	-0.3089
Gm17	25313499	25313646	Gmdrm	hypo	CG	-0.605
Gm17	25332988	25333029	Gmdrm	hypo	CG	-0.0937
Gm17	25404463	25405448	Gmdrm	hypo	CG	-0.0275
Gm17	25444404	25444905	Gmdrm	hypo	CG	-0.0519
Gm17	25537683	25537867	Gmdrm	hypo	CG	-0.0369
Gm17	25539032	25539148	Gmdrm	hypo	CG	-0.0737
Gm17	25580002	25580168	Gmdrm	hypo	CG	-0.4441

Gm17	25596722	25596869	Gmdrm	hypo	CG	-0.6929
Gm17	25750194	25750216	Gmdrm	hypo	CG	-0.12
Gm17	25750658	25750811	Gmdrm	hypo	CG	-0.845
Gm17	25751200	25751550	Gmdrm	hypo	CG	-0.4867
Gm17	25751813	25751917	Gmdrm	hypo	CG	-0.0575
Gm17	25757515	25758381	Gmdrm	hypo	CG	-0.0497
Gm17	25759876	25760854	Gmdrm	hypo	CG	-0.0529
Gm17	25787704	25787882	Gmdrm	hypo	CG	-0.055
Gm17	25851151	25851293	Gmdrm	hypo	CG	-0.3362
Gm17	25853856	25854229	Gmdrm	hypo	CG	-0.1283
Gm17	25856950	25857048	Gmdrm	hypo	CG	-0.8288
Gm17	25857226	25857282	Gmdrm	hypo	CG	-0.8316
Gm17	25857484	25857635	Gmdrm	hypo	CG	-0.847
Gm17	25859406	25859543	Gmdrm	hypo	CG	-0.2517
Gm17	25870427	25870656	Gmdrm	hypo	CG	-0.459
Gm17	25870835	25871048	Gmdrm	hypo	CG	-0.8254
Gm17	25888147	25888292	Gmdrm	hypo	CG	-0.0923
Gm17	25899930	25900263	Gmdrm	hypo	CG	-0.0196
Gm17	25934864	25934943	Gmdrm	hypo	CG	-0.175
Gm17	25937366	25938300	Gmdrm	hypo	CG	-0.0225
Gm17	25974384	25975374	Gmdrm	hypo	CG	-0.04
Gm17	25977177	25978164	Gmdrm	hypo	CG	-0.0368
Gm17	26070088	26070140	Gmdrm	hypo	CG	-0.7183
Gm17	26142577	26142857	Gmdrm	hypo	CG	-0.1062
Gm17	26143136	26143431	Gmdrm	hypo	CG	-0.0521
Gm17	26148585	26148770	Gmdrm	hypo	CG	-0.04
Gm17	26176311	26176650	Gmdrm	hypo	CG	-0.4978
Gm17	26187633	26187753	Gmdrm	hypo	CG	-0.1066
Gm17	26269493	26269586	Gmdrm	hypo	CG	-0.0841
Gm17	26360980	26361248	Gmdrm	hypo	CG	-0.1078
Gm17	26364563	26364639	Gmdrm	hypo	CG	-0.074
Gm17	26389021	26389307	Gmdrm	hypo	CG	-0.0355
Gm17	26416763	26416851	Gmdrm	hypo	CG	-0.3267
Gm17	26513348	26513521	Gmdrm	hypo	CG	-0.315
Gm17	26515127	26515271	Gmdrm	hypo	CG	-0.2288
Gm17	26526780	26526810	Gmdrm	hypo	CG	-0.5034
Gm17	26526928	26526979	Gmdrm	hypo	CG	-0.38
Gm17	26530380	26530468	Gmdrm	hypo	CG	-0.425
Gm17	26531075	26531133	Gmdrm	hypo	CG	-0.2508
Gm17	26549777	26549844	Gmdrm	hypo	CG	-0.08
Gm17	26556415	26556554	Gmdrm	hypo	CG	-0.0511
Gm17	26623136	26623259	Gmdrm	hypo	CG	-0.0514
Gm17	26666946	26667454	Gmdrm	hypo	CG	-0.0292
Gm17	26755922	26756165	Gmdrm	hypo	CG	-0.9328
Gm17	26756885	26757112	Gmdrm	hypo	CG	-0.7038
Gm17	26938011	26938047	Gmdrm	hypo	CG	-0.155

Gm17	27134689	27134785	Gmdrm	hypo	CG	-0.066
Gm17	27151639	27151681	Gmdrm	hypo	CG	-0.4684
Gm17	27151972	27152082	Gmdrm	hypo	CG	-0.83
Gm17	27153165	27153355	Gmdrm	hypo	CG	-0.0586
Gm17	27153460	27153532	Gmdrm	hypo	CG	-0.0663
Gm17	27169768	27169950	Gmdrm	hypo	CG	-0.6824
Gm17	27176155	27176645	Gmdrm	hypo	CG	-0.6168
Gm17	27213992	27214063	Gmdrm	hypo	CG	-0.9666
Gm17	27215564	27215611	Gmdrm	hypo	CG	-0.68
Gm17	27228104	27228385	Gmdrm	hypo	CG	-0.947
Gm17	27228499	27228708	Gmdrm	hypo	CG	-0.9678
Gm17	27228952	27229056	Gmdrm	hypo	CG	-0.9525
Gm17	27242757	27242815	Gmdrm	hypo	CG	-0.8637
Gm17	27278078	27278206	Gmdrm	hypo	CG	-0.1238
Gm17	27350675	27350759	Gmdrm	hypo	CG	-0.6738
Gm17	27351069	27351190	Gmdrm	hypo	CG	-0.656
Gm17	27362242	27362364	Gmdrm	hypo	CG	-0.0714
Gm17	27414137	27414430	Gmdrm	hypo	CG	-0.03
Gm17	27427774	27427808	Gmdrm	hypo	CG	-0.7616
Gm17	27451275	27452124	Gmdrm	hypo	CG	-0.038
Gm17	27471719	27471817	Gmdrm	hypo	CG	-0.0583
Gm17	27512325	27512992	Gmdrm	hypo	CG	-0.015
Gm17	27567396	27567563	Gmdrm	hypo	CG	-0.092
Gm17	27638909	27639024	Gmdrm	hypo	CG	-0.0711
Gm17	27690650	27690735	Gmdrm	hypo	CG	-0.0636
Gm17	27782655	27782735	Gmdrm	hypo	CG	-0.895
Gm17	27817466	27817963	Gmdrm	hypo	CG	-0.0539
Gm17	27961159	27961567	Gmdrm	hypo	CG	-0.0626
Gm17	28009019	28009070	Gmdrm	hypo	CG	-0.152
Gm17	28067651	28067814	Gmdrm	hypo	CG	-0.2129
Gm17	28159309	28159450	Gmdrm	hypo	CG	-0.122
Gm17	28164785	28164855	Gmdrm	hypo	CG	-0.1325
Gm17	28165479	28166054	Gmdrm	hypo	CG	-0.6521
Gm17	28245491	28245864	Gmdrm	hypo	CG	-0.0452
Gm17	28400468	28400790	Gmdrm	hypo	CG	-0.0572
Gm17	28472147	28472219	Gmdrm	hypo	CG	-0.1417
Gm17	28505112	28505561	Gmdrm	hypo	CG	-0.047
Gm17	28545520	28545904	Gmdrm	hypo	CG	-0.072
Gm17	28713378	28713656	Gmdrm	hypo	CG	-0.09
Gm17	28730620	28730845	Gmdrm	hypo	CG	-0.0635
Gm17	28749633	28750062	Gmdrm	hypo	CG	-0.032
Gm17	28759953	28760220	Gmdrm	hypo	CG	-0.0443
Gm17	28838647	28838926	Gmdrm	hypo	CG	-0.0312
Gm17	28852401	28852432	Gmdrm	hypo	CG	-0.04
Gm17	28863291	28863335	Gmdrm	hypo	CG	-0.244
Gm17	28874643	28874847	Gmdrm	hypo	CG	-0.6283

Gm17	28874948	28875135	Gmdrm	hypo	CG	-0.33
Gm17	28888270	28888337	Gmdrm	hypo	CG	-0.104
Gm17	28893777	28894066	Gmdrm	hypo	CG	-0.093
Gm17	28931272	28931439	Gmdrm	hypo	CG	-0.51
Gm17	28938590	28938723	Gmdrm	hypo	CG	-0.9533
Gm17	28969909	28970136	Gmdrm	hypo	CG	-0.4009
Gm17	28996526	28996649	Gmdrm	hypo	CG	-0.8943
Gm17	28996927	28997353	Gmdrm	hypo	CG	-0.7133
Gm17	28998350	28998388	Gmdrm	hypo	CG	-0.6387
Gm17	29011500	29011536	Gmdrm	hypo	CG	-0.875
Gm17	29042115	29042346	Gmdrm	hypo	CG	-0.075
Gm17	29082288	29082530	Gmdrm	hypo	CG	-0.166
Gm17	29107899	29107998	Gmdrm	hypo	CG	-0.722
Gm17	29111092	29111276	Gmdrm	hypo	CG	-0.0675
Gm17	29147802	29148181	Gmdrm	hypo	CG	-0.0279
Gm17	29153087	29153458	Gmdrm	hypo	CG	-0.125
Gm17	29181421	29181510	Gmdrm	hypo	CG	-0.0817
Gm17	29220405	29220644	Gmdrm	hypo	CG	-0.44
Gm17	29222603	29222733	Gmdrm	hypo	CG	-0.8837
Gm17	29259475	29259660	Gmdrm	hypo	CG	-0.0621
Gm17	29261320	29261632	Gmdrm	hypo	CG	-0.0721
Gm17	29502232	29502552	Gmdrm	hypo	CG	-0.0827
Gm17	29507321	29508279	Gmdrm	hypo	CG	-0.0257
Gm17	29522028	29522544	Gmdrm	hypo	CG	-0.0707
Gm17	29542165	29542211	Gmdrm	hypo	CG	-0.16
Gm17	29682683	29682858	Gmdrm	hypo	CG	-0.0746
Gm17	29770326	29770553	Gmdrm	hypo	CG	-0.0563
Gm17	29806475	29806515	Gmdrm	hypo	CG	-0.395
Gm17	29809306	29809497	Gmdrm	hypo	CG	-0.0599
Gm17	29848224	29848367	Gmdrm	hypo	CG	-0.6733
Gm17	30000888	30001205	Gmdrm	hypo	CG	-0.7347
Gm17	30001399	30001492	Gmdrm	hypo	CG	-0.79
Gm17	30037725	30037784	Gmdrm	hypo	CG	-0.714
Gm17	30039676	30039809	Gmdrm	hypo	CG	-0.962
Gm17	30099617	30099862	Gmdrm	hypo	CG	-0.9578
Gm17	30100893	30100972	Gmdrm	hypo	CG	-0.845
Gm17	30107651	30107688	Gmdrm	hypo	CG	-0.0733
Gm17	30123975	30124809	Gmdrm	hypo	CG	-0.043
Gm17	30215764	30215896	Gmdrm	hypo	CG	-0.1533
Gm17	30216670	30216785	Gmdrm	hypo	CG	-0.2667
Gm17	30220021	30220135	Gmdrm	hypo	CG	-0.5333
Gm17	30220237	30220309	Gmdrm	hypo	CG	-0.728
Gm17	30247259	30247505	Gmdrm	hypo	CG	-0.0525
Gm17	30255718	30255978	Gmdrm	hypo	CG	-0.07
Gm17	30285613	30285841	Gmdrm	hypo	CG	-0.3284
Gm17	30325412	30325718	Gmdrm	hypo	CG	-0.2247

Gm17	30360375	30360454	Gmdrm	hypo	CG	-0.705
Gm17	30365431	30365571	Gmdrm	hypo	CG	-0.9512
Gm17	30372590	30372637	Gmdrm	hypo	CG	-0.14
Gm17	30395180	30395427	Gmdrm	hypo	CG	-0.0475
Gm17	30552113	30552326	Gmdrm	hypo	CG	-0.1367
Gm17	30554240	30554450	Gmdrm	hypo	CG	-0.721
Gm17	30566179	30566440	Gmdrm	hypo	CG	-0.62
Gm17	30572101	30572310	Gmdrm	hypo	CG	-0.027
Gm17	30587692	30587813	Gmdrm	hypo	CG	-0.782
Gm17	30625609	30625700	Gmdrm	hypo	CG	-0.6866
Gm17	30645025	30645071	Gmdrm	hypo	CG	-0.7483
Gm17	30655182	30655287	Gmdrm	hypo	CG	-0.4175
Gm17	30655400	30655528	Gmdrm	hypo	CG	-0.1757
Gm17	30688606	30688839	Gmdrm	hypo	CG	-0.8371
Gm17	30764025	30764643	Gmdrm	hypo	CG	-0.0423
Gm17	30779266	30779477	Gmdrm	hypo	CG	-0.0625
Gm17	30787654	30787778	Gmdrm	hypo	CG	-0.0655
Gm17	30794019	30794242	Gmdrm	hypo	CG	-0.0355
Gm17	30827632	30827660	Gmdrm	hypo	CG	-0.875
Gm17	30863820	30863875	Gmdrm	hypo	CG	-0.2367
Gm17	30925768	30926070	Gmdrm	hypo	CG	-0.0219
Gm17	30927110	30927301	Gmdrm	hypo	CG	-0.0429
Gm17	30978850	30979138	Gmdrm	hypo	CG	-0.49
Gm17	30979243	30979332	Gmdrm	hypo	CG	-0.9583
Gm17	30980930	30981882	Gmdrm	hypo	CG	-0.1474
Gm17	31018244	31018599	Gmdrm	hypo	CG	-0.0734
Gm17	31026662	31026955	Gmdrm	hypo	CG	-0.6233
Gm17	31027201	31027240	Gmdrm	hypo	CG	-0.1762
Gm17	31035205	31035253	Gmdrm	hypo	CG	-0.8383
Gm17	31037890	31037956	Gmdrm	hypo	CG	-0.1033
Gm17	31076271	31076713	Gmdrm	hypo	CG	-0.6389
Gm17	31077809	31078037	Gmdrm	hypo	CG	-0.4221
Gm17	31080876	31081372	Gmdrm	hypo	CG	-0.0691
Gm17	31084231	31084638	Gmdrm	hypo	CG	-0.4761
Gm17	31086782	31086860	Gmdrm	hypo	CG	-0.7066
Gm17	31087288	31087655	Gmdrm	hypo	CG	-0.4675
Gm17	31103252	31103767	Gmdrm	hypo	CG	-0.3945
Gm17	31167387	31167503	Gmdrm	hypo	CG	-0.7584
Gm17	31167747	31167906	Gmdrm	hypo	CG	-0.0547
Gm17	31171379	31171611	Gmdrm	hypo	CG	-0.2666
Gm17	31171712	31171785	Gmdrm	hypo	CG	-0.5883
Gm17	31228141	31228300	Gmdrm	hypo	CG	-0.459
Gm17	31250681	31250887	Gmdrm	hypo	CG	-0.92
Gm17	31251479	31251590	Gmdrm	hypo	CG	-0.895
Gm17	31261334	31262038	Gmdrm	hypo	CG	-0.0632
Gm17	31267666	31267916	Gmdrm	hypo	CG	-0.7235

Gm17	31268323	31268798	Gmdrm	hypo	CG	-0.3586
Gm17	31271194	31271323	Gmdrm	hypo	CG	-0.8012
Gm17	31271810	31272175	Gmdrm	hypo	CG	-0.7656
Gm17	31272586	31272636	Gmdrm	hypo	CG	-0.9537
Gm17	31279641	31279832	Gmdrm	hypo	CG	-0.03
Gm17	31343428	31343540	Gmdrm	hypo	CG	-0.046
Gm17	31408988	31409355	Gmdrm	hypo	CG	-0.0894
Gm17	31458330	31458619	Gmdrm	hypo	CG	-0.0612
Gm17	31465504	31465655	Gmdrm	hypo	CG	-0.115
Gm17	31503296	31503428	Gmdrm	hypo	CG	-0.0575
Gm17	31513747	31513870	Gmdrm	hypo	CG	-0.89
Gm17	31528785	31528929	Gmdrm	hypo	CG	-0.8476
Gm17	31574678	31574899	Gmdrm	hypo	CG	-0.0333
Gm17	31576531	31576735	Gmdrm	hypo	CG	-0.4071
Gm17	31593613	31593685	Gmdrm	hypo	CG	-0.1583
Gm17	31602710	31602807	Gmdrm	hypo	CG	-0.8984
Gm17	31612157	31613145	Gmdrm	hypo	CG	-0.0291
Gm17	31619530	31619650	Gmdrm	hypo	CG	-0.4817
Gm17	31620055	31620109	Gmdrm	hypo	CG	-0.7733
Gm17	31661048	31661097	Gmdrm	hypo	CG	-0.9383
Gm17	31662481	31662805	Gmdrm	hypo	CG	-0.0367
Gm17	31663823	31663933	Gmdrm	hypo	CG	-0.134
Gm17	31664104	31664232	Gmdrm	hypo	CG	-0.5449
Gm17	31705221	31705509	Gmdrm	hypo	CG	-0.468
Gm17	31715266	31715480	Gmdrm	hypo	CG	-0.274
Gm17	31720903	31721124	Gmdrm	hypo	CG	-0.6889
Gm17	31722107	31722185	Gmdrm	hypo	CG	-0.5517
Gm17	31723135	31723272	Gmdrm	hypo	CG	-0.3374
Gm17	31723451	31723605	Gmdrm	hypo	CG	-0.136
Gm17	31728707	31728800	Gmdrm	hypo	CG	-0.2566
Gm17	31751391	31751806	Gmdrm	hypo	CG	-0.0647
Gm17	31751964	31752002	Gmdrm	hypo	CG	-0.062
Gm17	31753004	31753088	Gmdrm	hypo	CG	-0.0884
Gm17	31753809	31753903	Gmdrm	hypo	CG	-0.7617
Gm17	31755372	31755620	Gmdrm	hypo	CG	-0.9621
Gm17	31766055	31766402	Gmdrm	hypo	CG	-0.0444
Gm17	31774653	31774758	Gmdrm	hypo	CG	-0.7433
Gm17	31798471	31798521	Gmdrm	hypo	CG	-0.9133
Gm17	31838446	31839187	Gmdrm	hypo	CG	-0.0498
Gm17	31839485	31839538	Gmdrm	hypo	CG	-0.048
Gm17	31846344	31846482	Gmdrm	hypo	CG	-0.04
Gm17	31852040	31852299	Gmdrm	hypo	CG	-0.2064
Gm17	31853374	31853474	Gmdrm	hypo	CG	-0.1362
Gm17	31865534	31865720	Gmdrm	hypo	CG	-0.034
Gm17	31866128	31866260	Gmdrm	hypo	CG	-0.6775
Gm17	31885280	31885436	Gmdrm	hypo	CG	-0.0933

Gm17	31899524	31900523	Gmdrm	hypo	CG	-0.0363
Gm17	31939062	31939366	Gmdrm	hypo	CG	-0.51
Gm17	31957178	31957267	Gmdrm	hypo	CG	-0.1912
Gm17	31958421	31958518	Gmdrm	hypo	CG	-0.1283
Gm17	31973876	31974163	Gmdrm	hypo	CG	-0.4458
Gm17	31974653	31974749	Gmdrm	hypo	CG	-0.0714
Gm17	31976962	31977068	Gmdrm	hypo	CG	-0.6337
Gm17	31977406	31977473	Gmdrm	hypo	CG	-0.1401
Gm17	31979611	31979667	Gmdrm	hypo	CG	-0.0515
Gm17	32007518	32007640	Gmdrm	hypo	CG	-0.2625
Gm17	32016581	32016594	Gmdrm	hypo	CG	-0.906
Gm17	32038308	32038541	Gmdrm	hypo	CG	-0.3243
Gm17	32065126	32065228	Gmdrm	hypo	CG	-0.4837
Gm17	32071602	32071804	Gmdrm	hypo	CG	-0.7209
Gm17	32082565	32082706	Gmdrm	hypo	CG	-0.034
Gm17	32108209	32108331	Gmdrm	hypo	CG	-0.5775
Gm17	32108439	32108481	Gmdrm	hypo	CG	-0.4413
Gm17	32154762	32154821	Gmdrm	hypo	CG	-0.2534
Gm17	32154964	32155051	Gmdrm	hypo	CG	-0.24
Gm17	32155205	32155309	Gmdrm	hypo	CG	-0.2584
Gm17	32156974	32157113	Gmdrm	hypo	CG	-0.22
Gm17	32159856	32159972	Gmdrm	hypo	CG	-0.085
Gm17	32196486	32196966	Gmdrm	hypo	CG	-0.0426
Gm17	32207466	32207493	Gmdrm	hypo	CG	-0.252
Gm17	32226720	32226767	Gmdrm	hypo	CG	-0.177
Gm17	32226907	32227007	Gmdrm	hypo	CG	-0.2656
Gm17	32228609	32228754	Gmdrm	hypo	CG	-0.052
Gm17	32247177	32247394	Gmdrm	hypo	CG	-0.0629
Gm17	32247598	32247632	Gmdrm	hypo	CG	-0.07
Gm17	32276578	32276585	Gmdrm	hypo	CG	-0.075
Gm17	32325428	32325611	Gmdrm	hypo	CG	-0.4058
Gm17	32336781	32336900	Gmdrm	hypo	CG	-0.0383
Gm17	32368861	32369019	Gmdrm	hypo	CG	-0.03
Gm17	32390121	32390258	Gmdrm	hypo	CG	-0.4533
Gm17	32451434	32451638	Gmdrm	hypo	CG	-0.0275
Gm17	32459226	32459241	Gmdrm	hypo	CG	-0.06
Gm17	32613871	32614038	Gmdrm	hypo	CG	-0.075
Gm17	32659043	32659323	Gmdrm	hypo	CG	-0.0311
Gm17	32691297	32691745	Gmdrm	hypo	CG	-0.0322
Gm17	32714989	32715205	Gmdrm	hypo	CG	-0.0452
Gm17	32729831	32729943	Gmdrm	hypo	CG	-0.09
Gm17	32741749	32741797	Gmdrm	hypo	CG	-0.4762
Gm17	32743560	32743713	Gmdrm	hypo	CG	-0.42
Gm17	32833615	32833739	Gmdrm	hypo	CG	-0.1185
Gm17	32842106	32842162	Gmdrm	hypo	CG	-0.4137
Gm17	32859124	32859457	Gmdrm	hypo	CG	-0.0679

Gm17	33058030	33058251	Gmdrm	hypo	CG	-0.0425
Gm17	33096223	33096323	Gmdrm	hypo	CG	-0.6762
Gm17	33143476	33143647	Gmdrm	hypo	CG	-0.555
Gm17	33144072	33144162	Gmdrm	hypo	CG	-0.8725
Gm17	33157784	33157818	Gmdrm	hypo	CG	-0.0766
Gm17	33222518	33222647	Gmdrm	hypo	CG	-0.535
Gm17	33313393	33313673	Gmdrm	hypo	CG	-0.3993
Gm17	33313853	33314086	Gmdrm	hypo	CG	-0.2483
Gm17	33317204	33317330	Gmdrm	hypo	CG	-0.1208
Gm17	33343185	33343581	Gmdrm	hypo	CG	-0.1906
Gm17	33345196	33345311	Gmdrm	hypo	CG	-0.7175
Gm17	33363646	33363808	Gmdrm	hypo	CG	-0.385
Gm17	33364153	33364455	Gmdrm	hypo	CG	-0.18
Gm17	33376651	33376857	Gmdrm	hypo	CG	-0.1
Gm17	33380002	33380359	Gmdrm	hypo	CG	-0.5574
Gm17	33381274	33381482	Gmdrm	hypo	CG	-0.946
Gm17	33385114	33385414	Gmdrm	hypo	CG	-0.2805
Gm17	33403798	33403922	Gmdrm	hypo	CG	-0.4992
Gm17	33404047	33404209	Gmdrm	hypo	CG	-0.5215
Gm17	33405418	33405537	Gmdrm	hypo	CG	-0.074
Gm17	33419568	33419933	Gmdrm	hypo	CG	-0.8429
Gm17	33420151	33420261	Gmdrm	hypo	CG	-0.8183
Gm17	33423335	33423669	Gmdrm	hypo	CG	-0.7057
Gm17	33436077	33436101	Gmdrm	hypo	CG	-0.985
Gm17	33442200	33442314	Gmdrm	hypo	CG	-0.83
Gm17	33442957	33443375	Gmdrm	hypo	CG	-0.1084
Gm17	33470185	33470664	Gmdrm	hypo	CG	-0.4486
Gm17	33504279	33504390	Gmdrm	hypo	CG	-0.0533
Gm17	33568400	33568501	Gmdrm	hypo	CG	-0.076
Gm17	33581558	33581809	Gmdrm	hypo	CG	-0.0492
Gm17	33586024	33586266	Gmdrm	hypo	CG	-0.4091
Gm17	33587484	33587687	Gmdrm	hypo	CG	-0.5729
Gm17	33615414	33615716	Gmdrm	hypo	CG	-0.0693
Gm17	33621163	33621367	Gmdrm	hypo	CG	-0.4713
Gm17	33629504	33629627	Gmdrm	hypo	CG	-0.613
Gm17	33670000	33670052	Gmdrm	hypo	CG	-0.06
Gm17	33717959	33718123	Gmdrm	hypo	CG	-0.12
Gm17	33724607	33724765	Gmdrm	hypo	CG	-0.1875
Gm17	33742846	33743114	Gmdrm	hypo	CG	-0.6256
Gm17	33761802	33761998	Gmdrm	hypo	CG	-0.0433
Gm17	33780250	33780353	Gmdrm	hypo	CG	-0.0683
Gm17	33782341	33782569	Gmdrm	hypo	CG	-0.3216
Gm17	33788457	33788552	Gmdrm	hypo	CG	-0.417
Gm17	33794738	33794970	Gmdrm	hypo	CG	-0.371
Gm17	33816249	33816603	Gmdrm	hypo	CG	-0.0406
Gm17	33845959	33846041	Gmdrm	hypo	CG	-0.975

Gm17	33854349	33854407	Gmdrm	hypo	CG	-0.074
Gm17	33861746	33861939	Gmdrm	hypo	CG	-0.475
Gm17	33867689	33867817	Gmdrm	hypo	CG	-0.9542
Gm17	33903209	33903478	Gmdrm	hypo	CG	-0.04
Gm17	33921963	33922116	Gmdrm	hypo	CG	-0.062
Gm17	33942189	33942531	Gmdrm	hypo	CG	-0.0813
Gm17	33967903	33968041	Gmdrm	hypo	CG	-0.2967
Gm17	33968214	33968327	Gmdrm	hypo	CG	-0.0421
Gm17	33984601	33984773	Gmdrm	hypo	CG	-0.06
Gm17	34003436	34003500	Gmdrm	hypo	CG	-0.68
Gm17	34017022	34017188	Gmdrm	hypo	CG	-0.042
Gm17	34031571	34031598	Gmdrm	hypo	CG	-0.4717
Gm17	34168230	34168540	Gmdrm	hypo	CG	-0.0711
Gm17	34225484	34225727	Gmdrm	hypo	CG	-0.13
Gm17	34233179	34233285	Gmdrm	hypo	CG	-0.4525
Gm17	34252797	34252923	Gmdrm	hypo	CG	-0.0572
Gm17	34303648	34304112	Gmdrm	hypo	CG	-0.0524
Gm17	34320848	34320961	Gmdrm	hypo	CG	-0.05
Gm17	34340604	34340751	Gmdrm	hypo	CG	-0.155
Gm17	34401811	34402261	Gmdrm	hypo	CG	-0.0397
Gm17	34417516	34417616	Gmdrm	hypo	CG	-0.655
Gm17	34469233	34469449	Gmdrm	hypo	CG	-0.7039
Gm17	34469638	34469727	Gmdrm	hypo	CG	-0.6916
Gm17	34470396	34470445	Gmdrm	hypo	CG	-0.07
Gm17	34494378	34494449	Gmdrm	hypo	CG	-0.845
Gm17	34500213	34501158	Gmdrm	hypo	CG	-0.037
Gm17	34548871	34549557	Gmdrm	hypo	CG	-0.0605
Gm17	34590881	34591427	Gmdrm	hypo	CG	-0.0311
Gm17	34596119	34596275	Gmdrm	hypo	CG	-0.0688
Gm17	34597652	34598214	Gmdrm	hypo	CG	-0.066
Gm17	34599586	34599853	Gmdrm	hypo	CG	-0.099
Gm17	34612848	34612948	Gmdrm	hypo	CG	-0.5317
Gm17	34626481	34626721	Gmdrm	hypo	CG	-0.0766
Gm17	34642623	34642806	Gmdrm	hypo	CG	-0.095
Gm17	34654137	34654436	Gmdrm	hypo	CG	-0.83
Gm17	34683316	34683588	Gmdrm	hypo	CG	-0.6913
Gm17	34683792	34684037	Gmdrm	hypo	CG	-0.6018
Gm17	34687723	34687938	Gmdrm	hypo	CG	-0.365
Gm17	34693144	34693365	Gmdrm	hypo	CG	-0.7288
Gm17	34736784	34737051	Gmdrm	hypo	CG	-0.9125
Gm17	34739818	34739974	Gmdrm	hypo	CG	-0.7667
Gm17	34754784	34754916	Gmdrm	hypo	CG	-0.43
Gm17	34759186	34759307	Gmdrm	hypo	CG	-0.5367
Gm17	34782903	34783192	Gmdrm	hypo	CG	-0.0277
Gm17	34790398	34790565	Gmdrm	hypo	CG	-0.6575
Gm17	34812222	34812229	Gmdrm	hypo	CG	-0.0733

Gm17	34845806	34846047	Gmdrm	hypo	CG	-0.654
Gm17	34852200	34852280	Gmdrm	hypo	CG	-0.4116
Gm17	34855323	34855682	Gmdrm	hypo	CG	-0.0204
Gm17	34859900	34860087	Gmdrm	hypo	CG	-0.0601
Gm17	34895289	34895542	Gmdrm	hypo	CG	-0.893
Gm17	34910951	34911061	Gmdrm	hypo	CG	-0.9343
Gm17	34911174	34911327	Gmdrm	hypo	CG	-0.874
Gm17	34914025	34914106	Gmdrm	hypo	CG	-0.4783
Gm17	34914506	34914568	Gmdrm	hypo	CG	-0.3133
Gm17	34914690	34915035	Gmdrm	hypo	CG	-0.1353
Gm17	34915169	34915340	Gmdrm	hypo	CG	-0.185
Gm17	34934136	34934290	Gmdrm	hypo	CG	-0.3242
Gm17	34982301	34982415	Gmdrm	hypo	CG	-0.0513
Gm17	34987175	34987886	Gmdrm	hypo	CG	-0.039
Gm17	34991117	34991250	Gmdrm	hypo	CG	-0.5534
Gm17	35020298	35020647	Gmdrm	hypo	CG	-0.6252
Gm17	35021412	35021563	Gmdrm	hypo	CG	-0.6283
Gm17	35021847	35022125	Gmdrm	hypo	CG	-0.0515
Gm17	35033940	35034001	Gmdrm	hypo	CG	-0.46
Gm17	35115616	35115858	Gmdrm	hypo	CG	-0.7007
Gm17	35153845	35154288	Gmdrm	hypo	CG	-0.0277
Gm17	35160867	35161346	Gmdrm	hypo	CG	-0.0439
Gm17	35355052	35355111	Gmdrm	hypo	CG	-0.0929
Gm17	35529657	35529854	Gmdrm	hypo	CG	-0.5216
Gm17	35595892	35595989	Gmdrm	hypo	CG	-0.0925
Gm17	35624996	35625031	Gmdrm	hypo	CG	-0.065
Gm17	35636357	35636626	Gmdrm	hypo	CG	-0.0449
Gm17	35637489	35637533	Gmdrm	hypo	CG	-0.024
Gm17	35637948	35638201	Gmdrm	hypo	CG	-0.9107
Gm17	35639143	35639284	Gmdrm	hypo	CG	-0.8709
Gm17	35647179	35647546	Gmdrm	hypo	CG	-0.437
Gm17	35655160	35655236	Gmdrm	hypo	CG	-0.275
Gm17	35680602	35681263	Gmdrm	hypo	CG	-0.0452
Gm17	35702195	35702429	Gmdrm	hypo	CG	-0.3737
Gm17	35718509	35718853	Gmdrm	hypo	CG	-0.0285
Gm17	35809669	35809998	Gmdrm	hypo	CG	-0.1071
Gm17	35885437	35885590	Gmdrm	hypo	CG	-0.1183
Gm17	35885904	35885954	Gmdrm	hypo	CG	-0.4766
Gm17	36017325	36017361	Gmdrm	hypo	CG	-0.2167
Gm17	36040770	36040805	Gmdrm	hypo	CG	-0.664
Gm17	36141095	36141203	Gmdrm	hypo	CG	-0.3037
Gm17	36141321	36141511	Gmdrm	hypo	CG	-0.7867
Gm17	36141698	36141765	Gmdrm	hypo	CG	-0.0666
Gm17	36162017	36162553	Gmdrm	hypo	CG	-0.0179
Gm17	36172524	36172593	Gmdrm	hypo	CG	-0.0434
Gm17	36191235	36191385	Gmdrm	hypo	CG	-0.0775

Gm17	36196686	36196764	Gmdrm	hypo	CG	-0.1916
Gm17	36197425	36197714	Gmdrm	hypo	CG	-0.45
Gm17	36201978	36202233	Gmdrm	hypo	CG	-0.2538
Gm17	36220564	36220663	Gmdrm	hypo	CG	-0.495
Gm17	36248554	36248993	Gmdrm	hypo	CG	-0.4436
Gm17	36249577	36249640	Gmdrm	hypo	CG	-0.1929
Gm17	36272174	36272216	Gmdrm	hypo	CG	-0.8067
Gm17	36272452	36272619	Gmdrm	hypo	CG	-0.391
Gm17	36273214	36273452	Gmdrm	hypo	CG	-0.63
Gm17	36285231	36285381	Gmdrm	hypo	CG	-0.046
Gm17	36332896	36333101	Gmdrm	hypo	CG	-0.2636
Gm17	36337201	36337338	Gmdrm	hypo	CG	-0.9616
Gm17	36341085	36341297	Gmdrm	hypo	CG	-0.0877
Gm17	36341493	36341576	Gmdrm	hypo	CG	-0.7262
Gm17	36341911	36342114	Gmdrm	hypo	CG	-0.061
Gm17	36349926	36350230	Gmdrm	hypo	CG	-0.0511
Gm17	36425591	36425721	Gmdrm	hypo	CG	-0.941
Gm17	36425991	36426254	Gmdrm	hypo	CG	-0.715
Gm17	36428379	36428548	Gmdrm	hypo	CG	-0.665
Gm17	36428689	36428837	Gmdrm	hypo	CG	-0.453
Gm17	36430311	36430360	Gmdrm	hypo	CG	-0.891
Gm17	36430578	36430816	Gmdrm	hypo	CG	-0.78
Gm17	36437794	36437881	Gmdrm	hypo	CG	-0.7537
Gm17	36446574	36446603	Gmdrm	hypo	CG	-0.9583
Gm17	36475772	36475840	Gmdrm	hypo	CG	-0.1413
Gm17	36527635	36527832	Gmdrm	hypo	CG	-0.7063
Gm17	36535074	36535219	Gmdrm	hypo	CG	-0.3241
Gm17	36537223	36537387	Gmdrm	hypo	CG	-0.3695
Gm17	36554141	36554286	Gmdrm	hypo	CG	-0.9387
Gm17	36554396	36554469	Gmdrm	hypo	CG	-0.7084
Gm17	36563103	36563235	Gmdrm	hypo	CG	-0.7236
Gm17	36564013	36564154	Gmdrm	hypo	CG	-0.765
Gm17	36617259	36617353	Gmdrm	hypo	CG	-0.0717
Gm17	36620607	36620672	Gmdrm	hypo	CG	-0.055
Gm17	36682418	36682443	Gmdrm	hypo	CG	-0.9567
Gm17	36695329	36695465	Gmdrm	hypo	CG	-0.5883
Gm17	36707816	36707877	Gmdrm	hypo	CG	-0.83
Gm17	36708513	36708718	Gmdrm	hypo	CG	-0.8822
Gm17	36708877	36708970	Gmdrm	hypo	CG	-0.89
Gm17	36710907	36711076	Gmdrm	hypo	CG	-0.1414
Gm17	36734247	36734298	Gmdrm	hypo	CG	-0.055
Gm17	36742585	36742738	Gmdrm	hypo	CG	-0.8025
Gm17	36747290	36748087	Gmdrm	hypo	CG	-0.2328
Gm17	36759233	36759414	Gmdrm	hypo	CG	-0.88
Gm17	36765116	36765295	Gmdrm	hypo	CG	-0.5467
Gm17	36775701	36776177	Gmdrm	hypo	CG	-0.1263

Gm17	36805949	36806034	Gmdrm	hypo	CG	-0.4967
Gm17	36815882	36815975	Gmdrm	hypo	CG	-0.46
Gm17	36835324	36835371	Gmdrm	hypo	CG	-0.9213
Gm17	36856516	36856604	Gmdrm	hypo	CG	-0.8563
Gm17	36870650	36871135	Gmdrm	hypo	CG	-0.0321
Gm17	36902676	36902726	Gmdrm	hypo	CG	-0.5783
Gm17	36925821	36926000	Gmdrm	hypo	CG	-0.358
Gm17	36948780	36948995	Gmdrm	hypo	CG	-0.8031
Gm17	36970530	36970622	Gmdrm	hypo	CG	-0.95
Gm17	36970784	36970930	Gmdrm	hypo	CG	-0.044
Gm17	36993591	36993704	Gmdrm	hypo	CG	-0.55
Gm17	36995723	36995824	Gmdrm	hypo	CG	-0.324
Gm17	36996197	36996215	Gmdrm	hypo	CG	-0.9516
Gm17	36996343	36996401	Gmdrm	hypo	CG	-0.945
Gm17	36999106	36999185	Gmdrm	hypo	CG	-0.929
Gm17	37032525	37032885	Gmdrm	hypo	CG	-0.0969
Gm17	37038199	37038353	Gmdrm	hypo	CG	-0.6662
Gm17	37045686	37045748	Gmdrm	hypo	CG	-0.3016
Gm17	37047113	37047156	Gmdrm	hypo	CG	-0.3083
Gm17	37047712	37047951	Gmdrm	hypo	CG	-0.79
Gm17	37052317	37052639	Gmdrm	hypo	CG	-0.3907
Gm17	37063739	37064111	Gmdrm	hypo	CG	-0.3609
Gm17	37072542	37072872	Gmdrm	hypo	CG	-0.87
Gm17	37077994	37078144	Gmdrm	hypo	CG	-0.6887
Gm17	37090340	37091274	Gmdrm	hypo	CG	-0.0338
Gm17	37105731	37105808	Gmdrm	hypo	CG	-0.275
Gm17	37114186	37114370	Gmdrm	hypo	CG	-0.089
Gm17	37183912	37183984	Gmdrm	hypo	CG	-0.7033
Gm17	37185194	37185397	Gmdrm	hypo	CG	-0.8309
Gm17	37205336	37205731	Gmdrm	hypo	CG	-0.6761
Gm17	37207507	37207543	Gmdrm	hypo	CG	-0.9537
Gm17	37207652	37207782	Gmdrm	hypo	CG	-0.9491
Gm17	37216110	37216187	Gmdrm	hypo	CG	-0.0525
Gm17	37240600	37240697	Gmdrm	hypo	CG	-0.092
Gm17	37253755	37253889	Gmdrm	hypo	CG	-0.9184
Gm17	37254000	37254173	Gmdrm	hypo	CG	-0.9472
Gm17	37261787	37262069	Gmdrm	hypo	CG	-0.8453
Gm17	37277400	37277481	Gmdrm	hypo	CG	-0.58
Gm17	37300765	37301121	Gmdrm	hypo	CG	-0.71
Gm17	37317378	37318105	Gmdrm	hypo	CG	-0.039
Gm17	37327534	37327592	Gmdrm	hypo	CG	-0.0376
Gm17	37359584	37359702	Gmdrm	hypo	CG	-0.6666
Gm17	37387670	37387753	Gmdrm	hypo	CG	-0.5583
Gm17	37393367	37393559	Gmdrm	hypo	CG	-0.8
Gm17	37394054	37394092	Gmdrm	hypo	CG	-0.708
Gm17	37404924	37405072	Gmdrm	hypo	CG	-0.8317

Gm17	37413752	37414017	Gmdrm	hypo	CG	-0.0726
Gm17	37461843	37462119	Gmdrm	hypo	CG	-0.5488
Gm17	37467535	37467957	Gmdrm	hypo	CG	-0.2446
Gm17	37490637	37491018	Gmdrm	hypo	CG	-0.0561
Gm17	37496140	37496249	Gmdrm	hypo	CG	-0.81
Gm17	37529359	37529435	Gmdrm	hypo	CG	-0.9224
Gm17	37533843	37534199	Gmdrm	hypo	CG	-0.7454
Gm17	37534303	37534343	Gmdrm	hypo	CG	-0.7638
Gm17	37543691	37543914	Gmdrm	hypo	CG	-0.672
Gm17	37575828	37575974	Gmdrm	hypo	CG	-0.4257
Gm17	37577155	37577404	Gmdrm	hypo	CG	-0.845
Gm17	37604632	37604648	Gmdrm	hypo	CG	-0.8717
Gm17	37631251	37631519	Gmdrm	hypo	CG	-0.035
Gm17	37633945	37634338	Gmdrm	hypo	CG	-0.8071
Gm17	37634871	37635052	Gmdrm	hypo	CG	-0.0557
Gm17	37639424	37639491	Gmdrm	hypo	CG	-0.8116
Gm17	37639594	37639746	Gmdrm	hypo	CG	-0.905
Gm17	37639857	37640221	Gmdrm	hypo	CG	-0.9091
Gm17	37667081	37667193	Gmdrm	hypo	CG	-0.8033
Gm17	37710890	37711009	Gmdrm	hypo	CG	-0.6086
Gm17	37714103	37714121	Gmdrm	hypo	CG	-0.0383
Gm17	37718871	37719027	Gmdrm	hypo	CG	-0.7612
Gm17	37732548	37733117	Gmdrm	hypo	CG	-0.4027
Gm17	37733307	37733356	Gmdrm	hypo	CG	-0.8249
Gm17	37747689	37747708	Gmdrm	hypo	CG	-0.5683
Gm17	37764767	37764889	Gmdrm	hypo	CG	-0.9592
Gm17	37798924	37799039	Gmdrm	hypo	CG	-0.9526
Gm17	37823852	37824197	Gmdrm	hypo	CG	-0.8165
Gm17	37825119	37825352	Gmdrm	hypo	CG	-0.5517
Gm17	37828520	37828764	Gmdrm	hypo	CG	-0.8219
Gm17	37873691	37874252	Gmdrm	hypo	CG	-0.1191
Gm17	37881950	37882032	Gmdrm	hypo	CG	-0.03
Gm17	37883479	37883605	Gmdrm	hypo	CG	-0.4862
Gm17	37884867	37885065	Gmdrm	hypo	CG	-0.8092
Gm17	37885221	37885274	Gmdrm	hypo	CG	-0.1317
Gm17	37889887	37890241	Gmdrm	hypo	CG	-0.121
Gm17	37890440	37890582	Gmdrm	hypo	CG	-0.661
Gm17	37904517	37904677	Gmdrm	hypo	CG	-0.6383
Gm17	37905290	37905645	Gmdrm	hypo	CG	-0.6325
Gm17	37925073	37925572	Gmdrm	hypo	CG	-0.0314
Gm17	37930559	37930738	Gmdrm	hypo	CG	-0.525
Gm17	38050643	38050893	Gmdrm	hypo	CG	-0.0457
Gm17	38075644	38075681	Gmdrm	hypo	CG	-0.1617
Gm17	38080240	38080490	Gmdrm	hypo	CG	-0.0404
Gm17	38081512	38081577	Gmdrm	hypo	CG	-0.06
Gm17	38097063	38097170	Gmdrm	hypo	CG	-0.944

Gm17	38098467	38098823	Gmdrm	hypo	CG	-0.535
Gm17	38111692	38111989	Gmdrm	hypo	CG	-0.8012
Gm17	38122881	38123133	Gmdrm	hypo	CG	-0.6992
Gm17	38123241	38123355	Gmdrm	hypo	CG	-0.834
Gm17	38159037	38159091	Gmdrm	hypo	CG	-0.695
Gm17	38161324	38161394	Gmdrm	hypo	CG	-0.4333
Gm17	38185258	38185353	Gmdrm	hypo	CG	-0.9583
Gm17	38202887	38203438	Gmdrm	hypo	CG	-0.0453
Gm17	38207610	38207832	Gmdrm	hypo	CG	-0.7139
Gm17	38207948	38208936	Gmdrm	hypo	CG	-0.2955
Gm17	38243522	38243902	Gmdrm	hypo	CG	-0.7746
Gm17	38244472	38244612	Gmdrm	hypo	CG	-0.5712
Gm17	38244793	38245009	Gmdrm	hypo	CG	-0.4878
Gm17	38255623	38255698	Gmdrm	hypo	CG	-0.686
Gm17	38256153	38256219	Gmdrm	hypo	CG	-0.745
Gm17	38261035	38261230	Gmdrm	hypo	CG	-0.6992
Gm17	38268821	38268925	Gmdrm	hypo	CG	-0.881
Gm17	38299056	38299352	Gmdrm	hypo	CG	-0.1955
Gm17	38300414	38300546	Gmdrm	hypo	CG	-0.8812
Gm17	38325956	38326047	Gmdrm	hypo	CG	-0.9107
Gm17	38326990	38327081	Gmdrm	hypo	CG	-0.7775
Gm17	38331472	38331535	Gmdrm	hypo	CG	-0.9125
Gm17	38345874	38345997	Gmdrm	hypo	CG	-0.2567
Gm17	38347264	38347440	Gmdrm	hypo	CG	-0.4164
Gm17	38347562	38347576	Gmdrm	hypo	CG	-0.9267
Gm17	38352676	38352703	Gmdrm	hypo	CG	-0.0838
Gm17	38407146	38407192	Gmdrm	hypo	CG	-0.1333
Gm17	38407320	38407381	Gmdrm	hypo	CG	-0.9828
Gm17	38407558	38407614	Gmdrm	hypo	CG	-0.7844
Gm17	38407846	38408235	Gmdrm	hypo	CG	-0.2116
Gm17	38410068	38410234	Gmdrm	hypo	CG	-0.86
Gm17	38412776	38412926	Gmdrm	hypo	CG	-0.722
Gm17	38451325	38451421	Gmdrm	hypo	CG	-0.214
Gm17	38461821	38462079	Gmdrm	hypo	CG	-0.0862
Gm17	38473386	38473552	Gmdrm	hypo	CG	-0.39
Gm17	38473665	38473804	Gmdrm	hypo	CG	-0.394
Gm17	38483927	38484017	Gmdrm	hypo	CG	-0.3133
Gm17	38519392	38519419	Gmdrm	hypo	CG	-0.6316
Gm17	38577338	38577518	Gmdrm	hypo	CG	-0.0493
Gm17	38581807	38582147	Gmdrm	hypo	CG	-0.679
Gm17	38601926	38602212	Gmdrm	hypo	CG	-0.3581
Gm17	38602857	38602924	Gmdrm	hypo	CG	-0.17
Gm17	38633713	38634369	Gmdrm	hypo	CG	-0.2226
Gm17	38634749	38635110	Gmdrm	hypo	CG	-0.661
Gm17	38643166	38643228	Gmdrm	hypo	CG	-0.04
Gm17	38680278	38680509	Gmdrm	hypo	CG	-0.3606

Gm17	38680775	38680935	Gmdrm	hypo	CG	-0.2182
Gm17	38684027	38684174	Gmdrm	hypo	CG	-0.6908
Gm17	38684544	38684752	Gmdrm	hypo	CG	-0.74
Gm17	38684970	38685139	Gmdrm	hypo	CG	-0.0367
Gm17	38714300	38714394	Gmdrm	hypo	CG	-0.244
Gm17	38714822	38714869	Gmdrm	hypo	CG	-0.9775
Gm17	38728219	38728487	Gmdrm	hypo	CG	-0.4708
Gm17	38738077	38738566	Gmdrm	hypo	CG	-0.2374
Gm17	38765141	38765304	Gmdrm	hypo	CG	-0.93
Gm17	38792230	38792527	Gmdrm	hypo	CG	-0.7447
Gm17	38807838	38808026	Gmdrm	hypo	CG	-0.688
Gm17	38808180	38808224	Gmdrm	hypo	CG	-0.149
Gm17	38808538	38808891	Gmdrm	hypo	CG	-0.6841
Gm17	38872532	38872953	Gmdrm	hypo	CG	-0.0338
Gm17	38898693	38898931	Gmdrm	hypo	CG	-0.545
Gm17	38926622	38926686	Gmdrm	hypo	CG	-0.43
Gm17	38926865	38927034	Gmdrm	hypo	CG	-0.837
Gm17	38927516	38927660	Gmdrm	hypo	CG	-0.8367
Gm17	38928140	38928292	Gmdrm	hypo	CG	-0.6169
Gm17	38939514	38939610	Gmdrm	hypo	CG	-0.0737
Gm17	38961475	38961533	Gmdrm	hypo	CG	-0.19
Gm17	38961693	38961990	Gmdrm	hypo	CG	-0.1669
Gm17	38962122	38962252	Gmdrm	hypo	CG	-0.3633
Gm17	38975537	38975776	Gmdrm	hypo	CG	-0.1632
Gm17	38989333	38989459	Gmdrm	hypo	CG	-0.416
Gm17	39003826	39003917	Gmdrm	hypo	CG	-0.9775
Gm17	39029995	39030188	Gmdrm	hypo	CG	-0.4833
Gm17	39042255	39042516	Gmdrm	hypo	CG	-0.1484
Gm17	39074609	39074663	Gmdrm	hypo	CG	-0.49
Gm17	39078390	39078473	Gmdrm	hypo	CG	-0.0949
Gm17	39081341	39081530	Gmdrm	hypo	CG	-0.048
Gm17	39081667	39081785	Gmdrm	hypo	CG	-0.949
Gm17	39082148	39082226	Gmdrm	hypo	CG	-0.849
Gm17	39153311	39153501	Gmdrm	hypo	CG	-0.5162
Gm17	39153613	39153656	Gmdrm	hypo	CG	-0.275
Gm17	39175435	39175515	Gmdrm	hypo	CG	-0.7137
Gm17	39177571	39177722	Gmdrm	hypo	CG	-0.54
Gm17	39185826	39185962	Gmdrm	hypo	CG	-0.3088
Gm17	39201374	39201412	Gmdrm	hypo	CG	-0.1033
Gm17	39230665	39230844	Gmdrm	hypo	CG	-0.395
Gm17	39234182	39234355	Gmdrm	hypo	CG	-0.7846
Gm17	39246907	39247039	Gmdrm	hypo	CG	-0.9567
Gm17	39247181	39247225	Gmdrm	hypo	CG	-0.9588
Gm17	39249377	39249485	Gmdrm	hypo	CG	-0.0433
Gm17	39250319	39250362	Gmdrm	hypo	CG	-0.8983
Gm17	39274671	39274732	Gmdrm	hypo	CG	-0.0417

Gm17	39299148	39299261	Gmdrm	hypo	CG	-0.0317
Gm17	39300197	39300443	Gmdrm	hypo	CG	-0.809
Gm17	39328235	39328388	Gmdrm	hypo	CG	-0.04
Gm17	39334602	39334670	Gmdrm	hypo	CG	-0.9138
Gm17	39335004	39335073	Gmdrm	hypo	CG	-0.7925
Gm17	39335483	39335574	Gmdrm	hypo	CG	-0.5162
Gm17	39336126	39336253	Gmdrm	hypo	CG	-0.805
Gm17	39337399	39337945	Gmdrm	hypo	CG	-0.0712
Gm17	39338609	39338949	Gmdrm	hypo	CG	-0.4687
Gm17	39342225	39342491	Gmdrm	hypo	CG	-0.3627
Gm17	39345004	39345178	Gmdrm	hypo	CG	-0.617
Gm17	39349507	39349595	Gmdrm	hypo	CG	-0.8033
Gm17	39352409	39352514	Gmdrm	hypo	CG	-0.1888
Gm17	39354315	39354616	Gmdrm	hypo	CG	-0.65
Gm17	39356246	39356289	Gmdrm	hypo	CG	-0.8538
Gm17	39386704	39386923	Gmdrm	hypo	CG	-0.8501
Gm17	39387046	39387224	Gmdrm	hypo	CG	-0.588
Gm17	39390649	39390736	Gmdrm	hypo	CG	-0.5222
Gm17	39420843	39420888	Gmdrm	hypo	CG	-0.72
Gm17	39436997	39437091	Gmdrm	hypo	CG	-0.6367
Gm17	39437388	39437495	Gmdrm	hypo	CG	-0.37
Gm17	39437921	39438135	Gmdrm	hypo	CG	-0.0532
Gm17	39454267	39454477	Gmdrm	hypo	CG	-0.6641
Gm17	39454942	39454968	Gmdrm	hypo	CG	-0.9467
Gm17	39456783	39456936	Gmdrm	hypo	CG	-0.9744
Gm17	39458814	39458954	Gmdrm	hypo	CG	-0.495
Gm17	39462136	39462208	Gmdrm	hypo	CG	-0.5575
Gm17	39463630	39463804	Gmdrm	hypo	CG	-0.0633
Gm17	39465793	39466012	Gmdrm	hypo	CG	-0.145
Gm17	39495065	39495153	Gmdrm	hypo	CG	-0.3617
Gm17	39503723	39503893	Gmdrm	hypo	CG	-0.675
Gm17	39504016	39504083	Gmdrm	hypo	CG	-0.9208
Gm17	39531224	39531419	Gmdrm	hypo	CG	-0.0614
Gm17	39560947	39561019	Gmdrm	hypo	CG	-0.925
Gm17	39629546	39629695	Gmdrm	hypo	CG	-0.456
Gm17	39629975	39630093	Gmdrm	hypo	CG	-0.8917
Gm17	39639211	39639277	Gmdrm	hypo	CG	-0.69
Gm17	39647612	39647914	Gmdrm	hypo	CG	-0.3044
Gm17	39661521	39661840	Gmdrm	hypo	CG	-0.9182
Gm17	39669626	39669808	Gmdrm	hypo	CG	-0.5829
Gm17	39671706	39671773	Gmdrm	hypo	CG	-0.625
Gm17	39686300	39686682	Gmdrm	hypo	CG	-0.6693
Gm17	39691908	39692065	Gmdrm	hypo	CG	-0.7009
Gm17	39712523	39712762	Gmdrm	hypo	CG	-0.9245
Gm17	39713007	39713146	Gmdrm	hypo	CG	-0.9033
Gm17	39725563	39725712	Gmdrm	hypo	CG	-0.334

Gm17	39726024	39726364	Gmdrm	hypo	CG	-0.41
Gm17	39755859	39755961	Gmdrm	hypo	CG	-0.475
Gm17	39756089	39756121	Gmdrm	hypo	CG	-0.686
Gm17	39756286	39756358	Gmdrm	hypo	CG	-0.705
Gm17	39756466	39756743	Gmdrm	hypo	CG	-0.8154
Gm17	39762113	39762311	Gmdrm	hypo	CG	-0.0333
Gm17	39776684	39776970	Gmdrm	hypo	CG	-0.6016
Gm17	39790125	39790328	Gmdrm	hypo	CG	-0.8666
Gm17	39790673	39791212	Gmdrm	hypo	CG	-0.4052
Gm17	39793335	39793422	Gmdrm	hypo	CG	-0.3862
Gm17	39814569	39814735	Gmdrm	hypo	CG	-0.5484
Gm17	39842843	39842880	Gmdrm	hypo	CG	-0.5233
Gm17	39847007	39847160	Gmdrm	hypo	CG	-0.7157
Gm17	39859094	39859183	Gmdrm	hypo	CG	-0.6233
Gm17	39876284	39877190	Gmdrm	hypo	CG	-0.0463
Gm17	39878438	39878654	Gmdrm	hypo	CG	-0.674
Gm17	39896424	39896532	Gmdrm	hypo	CG	-0.6229
Gm17	39896781	39896919	Gmdrm	hypo	CG	-0.6356
Gm17	39902091	39902228	Gmdrm	hypo	CG	-0.265
Gm17	39902488	39902644	Gmdrm	hypo	CG	-0.5573
Gm17	39913448	39913610	Gmdrm	hypo	CG	-0.6083
Gm17	39925001	39925110	Gmdrm	hypo	CG	-0.6699
Gm17	39929374	39929490	Gmdrm	hypo	CG	-0.02
Gm17	39974196	39974400	Gmdrm	hypo	CG	-0.0245
Gm17	40022431	40022467	Gmdrm	hypo	CG	-0.692
Gm17	40028529	40029057	Gmdrm	hypo	CG	-0.1187
Gm17	40050714	40050879	Gmdrm	hypo	CG	-0.3123
Gm17	40068620	40068788	Gmdrm	hypo	CG	-0.3766
Gm17	40109894	40109962	Gmdrm	hypo	CG	-0.775
Gm17	40120113	40120373	Gmdrm	hypo	CG	-0.6272
Gm17	40167531	40167676	Gmdrm	hypo	CG	-0.0817
Gm17	40218570	40218655	Gmdrm	hypo	CG	-0.792
Gm17	40218790	40218915	Gmdrm	hypo	CG	-0.594
Gm17	40225708	40225828	Gmdrm	hypo	CG	-0.8767
Gm17	40231973	40232373	Gmdrm	hypo	CG	-0.2547
Gm17	40283094	40283294	Gmdrm	hypo	CG	-0.0875
Gm17	40296796	40296871	Gmdrm	hypo	CG	-0.8183
Gm17	40320171	40320579	Gmdrm	hypo	CG	-0.7591
Gm17	40339166	40339282	Gmdrm	hypo	CG	-0.5867
Gm17	40339714	40339914	Gmdrm	hypo	CG	-0.3664
Gm17	40340372	40340743	Gmdrm	hypo	CG	-0.373
Gm17	40365910	40365945	Gmdrm	hypo	CG	-0.4684
Gm17	40366092	40366132	Gmdrm	hypo	CG	-0.3183
Gm17	40374306	40374413	Gmdrm	hypo	CG	-0.4625
Gm17	40400767	40400886	Gmdrm	hypo	CG	-0.8964
Gm17	40401134	40401716	Gmdrm	hypo	CG	-0.1012

Gm17	40402020	40402241	Gmdrm	hypo	CG	-0.2826
Gm17	40420633	40420956	Gmdrm	hypo	CG	-0.0395
Gm17	40422440	40422663	Gmdrm	hypo	CG	-0.0383
Gm17	40426417	40426635	Gmdrm	hypo	CG	-0.4236
Gm17	40443536	40443609	Gmdrm	hypo	CG	-0.8816
Gm17	40449992	40450211	Gmdrm	hypo	CG	-0.9333
Gm17	40486339	40486491	Gmdrm	hypo	CG	-0.8067
Gm17	40491788	40491881	Gmdrm	hypo	CG	-0.825
Gm17	40501691	40501783	Gmdrm	hypo	CG	-0.5474
Gm17	40503650	40503897	Gmdrm	hypo	CG	-0.4922
Gm17	40507011	40507245	Gmdrm	hypo	CG	-0.9267
Gm17	40510811	40510962	Gmdrm	hypo	CG	-0.8544
Gm17	40540024	40540115	Gmdrm	hypo	CG	-0.9717
Gm17	40540737	40540988	Gmdrm	hypo	CG	-0.6879
Gm17	40554650	40554888	Gmdrm	hypo	CG	-0.9531
Gm17	40555443	40555532	Gmdrm	hypo	CG	-0.2276
Gm17	40555676	40555697	Gmdrm	hypo	CG	-0.255
Gm17	40556284	40556381	Gmdrm	hypo	CG	-0.9225
Gm17	40561652	40561738	Gmdrm	hypo	CG	-0.5317
Gm17	40561926	40562061	Gmdrm	hypo	CG	-0.62
Gm17	40563884	40564203	Gmdrm	hypo	CG	-0.465
Gm17	40565496	40565555	Gmdrm	hypo	CG	-0.5683
Gm17	40565990	40566120	Gmdrm	hypo	CG	-0.7
Gm17	40566383	40566494	Gmdrm	hypo	CG	-0.685
Gm17	40566711	40566956	Gmdrm	hypo	CG	-0.976
Gm17	40572638	40572735	Gmdrm	hypo	CG	-0.7399
Gm17	40600210	40600366	Gmdrm	hypo	CG	-0.7487
Gm17	40601295	40601401	Gmdrm	hypo	CG	-0.6417
Gm17	40601525	40601686	Gmdrm	hypo	CG	-0.865
Gm17	40607424	40607784	Gmdrm	hypo	CG	-0.72
Gm17	40628043	40628357	Gmdrm	hypo	CG	-0.736
Gm17	40669290	40669373	Gmdrm	hypo	CG	-0.1411
Gm17	40670013	40670060	Gmdrm	hypo	CG	-0.3083
Gm17	40677197	40677306	Gmdrm	hypo	CG	-0.8383
Gm17	40685219	40685357	Gmdrm	hypo	CG	-0.0266
Gm17	40688115	40688301	Gmdrm	hypo	CG	-0.28
Gm17	40705382	40705533	Gmdrm	hypo	CG	-0.902
Gm17	40705821	40705917	Gmdrm	hypo	CG	-0.71
Gm17	40710261	40710564	Gmdrm	hypo	CG	-0.1942
Gm17	40711743	40711890	Gmdrm	hypo	CG	-0.595
Gm17	40716081	40716089	Gmdrm	hypo	CG	-0.4167
Gm17	40732296	40732549	Gmdrm	hypo	CG	-0.1766
Gm17	40750160	40750350	Gmdrm	hypo	CG	-0.8986
Gm17	40750500	40750682	Gmdrm	hypo	CG	-0.9483
Gm17	40765088	40765224	Gmdrm	hypo	CG	-0.146
Gm17	40767504	40767665	Gmdrm	hypo	CG	-0.5276

Gm17	40787315	40787501 Gmdrm	hypo	CG	-0.4822
Gm17	40789474	40789507 Gmdrm	hypo	CG	-0.8949
Gm17	40791425	40791484 Gmdrm	hypo	CG	-0.7313
Gm17	40791664	40791752 Gmdrm	hypo	CG	-0.65
Gm17	40791892	40792230 Gmdrm	hypo	CG	-0.8372
Gm17	40798161	40798238 Gmdrm	hypo	CG	-0.1849
Gm17	40809094	40809179 Gmdrm	hypo	CG	-0.47
Gm17	40819769	40819856 Gmdrm	hypo	CG	-0.6488
Gm17	40834021	40834213 Gmdrm	hypo	CG	-0.7882
Gm17	40836427	40836527 Gmdrm	hypo	CG	-0.8917
Gm17	40872564	40872656 Gmdrm	hypo	CG	-0.8888
Gm17	40906683	40906821 Gmdrm	hypo	CG	-0.79
Gm17	40907543	40907659 Gmdrm	hypo	CG	-0.615
Gm17	40954198	40954297 Gmdrm	hypo	CG	-0.9075
Gm17	40956548	40956728 Gmdrm	hypo	CG	-0.3267
Gm17	40959904	40960308 Gmdrm	hypo	CG	-0.1768
Gm17	40960886	40961078 Gmdrm	hypo	CG	-0.78
Gm17	40965337	40965402 Gmdrm	hypo	CG	-0.05
Gm17	40996475	40996654 Gmdrm	hypo	CG	-0.4855
Gm17	40997339	40997557 Gmdrm	hypo	CG	-0.125
Gm17	40998120	40998159 Gmdrm	hypo	CG	-0.845
Gm17	40998446	40998583 Gmdrm	hypo	CG	-0.828
Gm17	40999505	40999573 Gmdrm	hypo	CG	-0.955
Gm17	41021599	41021775 Gmdrm	hypo	CG	-0.842
Gm17	41038761	41038949 Gmdrm	hypo	CG	-0.4989
Gm17	41039093	41039373 Gmdrm	hypo	CG	-0.96
Gm17	41041167	41041274 Gmdrm	hypo	CG	-0.93
Gm17	41045610	41045807 Gmdrm	hypo	CG	-0.892
Gm17	41078546	41078627 Gmdrm	hypo	CG	-0.905
Gm17	41094331	41094395 Gmdrm	hypo	CG	-0.6083
Gm17	41096168	41096202 Gmdrm	hypo	CG	-0.33
Gm17	41119423	41119594 Gmdrm	hypo	CG	-0.1571
Gm17	41120094	41120142 Gmdrm	hypo	CG	-0.285
Gm17	41151066	41151824 Gmdrm	hypo	CG	-0.1165
Gm17	41165582	41165829 Gmdrm	hypo	CG	-0.1028
Gm17	41191071	41191196 Gmdrm	hypo	CG	-0.046
Gm17	41195950	41196166 Gmdrm	hypo	CG	-0.0363
Gm17	41197639	41197834 Gmdrm	hypo	CG	-0.943
Gm17	41205633	41206051 Gmdrm	hypo	CG	-0.2536
Gm17	41216401	41216744 Gmdrm	hypo	CG	-0.1514
Gm17	41231124	41231204 Gmdrm	hypo	CG	-0.9338
Gm17	41236010	41236150 Gmdrm	hypo	CG	-0.7334
Gm17	41246750	41246768 Gmdrm	hypo	CG	-0.92
Gm17	41291571	41291598 Gmdrm	hypo	CG	-0.9613
Gm17	41306741	41307128 Gmdrm	hypo	CG	-0.1334
Gm17	41307274	41307490 Gmdrm	hypo	CG	-0.4282

Gm17	41318868	41318911 Gmdrm	hypo	CG	-0.8017
Gm17	41321703	41321774 Gmdrm	hypo	CG	-0.35
Gm17	41322031	41322168 Gmdrm	hypo	CG	-0.3913
Gm17	41322684	41322880 Gmdrm	hypo	CG	-0.47
Gm17	41323003	41323115 Gmdrm	hypo	CG	-0.88
Gm17	41324904	41324959 Gmdrm	hypo	CG	-0.05
Gm17	41335612	41335778 Gmdrm	hypo	CG	-0.764
Gm17	41337584	41337703 Gmdrm	hypo	CG	-0.1229
Gm17	41338463	41338594 Gmdrm	hypo	CG	-0.1261
Gm17	41362489	41362692 Gmdrm	hypo	CG	-0.7
Gm17	41397031	41397194 Gmdrm	hypo	CG	-0.4833
Gm17	41449965	41450080 Gmdrm	hypo	CG	-0.8634
Gm17	41451802	41451905 Gmdrm	hypo	CG	-0.1367
Gm17	41452052	41452217 Gmdrm	hypo	CG	-0.4
Gm17	41452893	41452972 Gmdrm	hypo	CG	-0.0567
Gm17	41503443	41503859 Gmdrm	hypo	CG	-0.7285
Gm17	41505363	41505446 Gmdrm	hypo	CG	-0.4586
Gm17	41505594	41505762 Gmdrm	hypo	CG	-0.425
Gm17	41508658	41508989 Gmdrm	hypo	CG	-0.0522
Gm17	41518391	41518479 Gmdrm	hypo	CG	-0.0469
Gm17	41533773	41534029 Gmdrm	hypo	CG	-0.1317
Gm17	41579092	41579285 Gmdrm	hypo	CG	-0.4809
Gm17	41584895	41585101 Gmdrm	hypo	CG	-0.5685
Gm17	41596210	41596274 Gmdrm	hypo	CG	-0.9462
Gm17	41639245	41639386 Gmdrm	hypo	CG	-0.7825
Gm17	41653844	41654090 Gmdrm	hypo	CG	-0.389
Gm17	41654220	41654311 Gmdrm	hypo	CG	-0.375
Gm17	41654518	41654616 Gmdrm	hypo	CG	-0.895
Gm17	41675712	41675815 Gmdrm	hypo	CG	-0.8916
Gm17	41693786	41693997 Gmdrm	hypo	CG	-0.373
Gm17	41701872	41701986 Gmdrm	hypo	CG	-0.06
Gm18	18607	19589 Gmdrm	hypo	CG	-0.0256
Gm18	56602	56907 Gmdrm	hypo	CG	-0.068
Gm18	57070	57248 Gmdrm	hypo	CG	-0.8299
Gm18	61353	61428 Gmdrm	hypo	CG	-0.056
Gm18	82605	82655 Gmdrm	hypo	CG	-0.9875
Gm18	82762	83065 Gmdrm	hypo	CG	-0.89
Gm18	90595	91046 Gmdrm	hypo	CG	-0.5325
Gm18	93673	93754 Gmdrm	hypo	CG	-0.9417
Gm18	97199	97519 Gmdrm	hypo	CG	-0.5355
Gm18	175499	175606 Gmdrm	hypo	CG	-0.034
Gm18	191880	191963 Gmdrm	hypo	CG	-0.9374
Gm18	198469	198659 Gmdrm	hypo	CG	-0.1005
Gm18	214340	214451 Gmdrm	hypo	CG	-0.05
Gm18	218657	218842 Gmdrm	hypo	CG	-0.8921
Gm18	273353	273517 Gmdrm	hypo	CG	-0.8383

Gm18	283730	283869	Gmdrm	hypo	CG	-0.2883
Gm18	347470	347545	Gmdrm	hypo	CG	-0.2833
Gm18	347833	348321	Gmdrm	hypo	CG	-0.5435
Gm18	348919	348962	Gmdrm	hypo	CG	-0.9501
Gm18	356531	356551	Gmdrm	hypo	CG	-0.905
Gm18	366470	366565	Gmdrm	hypo	CG	-0.8217
Gm18	368005	368407	Gmdrm	hypo	CG	-0.7825
Gm18	369753	369833	Gmdrm	hypo	CG	-0.03
Gm18	369998	370199	Gmdrm	hypo	CG	-0.0328
Gm18	382104	382877	Gmdrm	hypo	CG	-0.6697
Gm18	393772	393896	Gmdrm	hypo	CG	-0.4607
Gm18	416510	416567	Gmdrm	hypo	CG	-0.81
Gm18	460022	460226	Gmdrm	hypo	CG	-0.042
Gm18	461339	461383	Gmdrm	hypo	CG	-0.9383
Gm18	479274	479942	Gmdrm	hypo	CG	-0.3555
Gm18	541567	541645	Gmdrm	hypo	CG	-0.045
Gm18	554368	554550	Gmdrm	hypo	CG	-0.7939
Gm18	561753	561875	Gmdrm	hypo	CG	-0.7917
Gm18	562155	562193	Gmdrm	hypo	CG	-0.6917
Gm18	562307	562334	Gmdrm	hypo	CG	-0.56
Gm18	591893	591909	Gmdrm	hypo	CG	-0.635
Gm18	592963	593633	Gmdrm	hypo	CG	-0.0674
Gm18	596839	597368	Gmdrm	hypo	CG	-0.7503
Gm18	633893	634038	Gmdrm	hypo	CG	-0.679
Gm18	634262	634404	Gmdrm	hypo	CG	-0.1528
Gm18	636931	637041	Gmdrm	hypo	CG	-0.2951
Gm18	637149	637333	Gmdrm	hypo	CG	-0.533
Gm18	660702	660837	Gmdrm	hypo	CG	-0.5134
Gm18	661231	661345	Gmdrm	hypo	CG	-0.5687
Gm18	662190	662424	Gmdrm	hypo	CG	-0.7225
Gm18	662533	662585	Gmdrm	hypo	CG	-0.8783
Gm18	671818	672060	Gmdrm	hypo	CG	-0.0286
Gm18	708640	708884	Gmdrm	hypo	CG	-0.4669
Gm18	733509	733623	Gmdrm	hypo	CG	-0.1471
Gm18	753315	753330	Gmdrm	hypo	CG	-0.676
Gm18	844653	844842	Gmdrm	hypo	CG	-0.6337
Gm18	845877	845991	Gmdrm	hypo	CG	-0.478
Gm18	860671	860727	Gmdrm	hypo	CG	-0.6213
Gm18	863433	863578	Gmdrm	hypo	CG	-0.134
Gm18	866585	866655	Gmdrm	hypo	CG	-0.6037
Gm18	899585	899666	Gmdrm	hypo	CG	-0.93
Gm18	901693	901708	Gmdrm	hypo	CG	-0.94
Gm18	905791	906121	Gmdrm	hypo	CG	-0.0689
Gm18	919510	919824	Gmdrm	hypo	CG	-0.4925
Gm18	948020	948193	Gmdrm	hypo	CG	-0.058
Gm18	961327	961414	Gmdrm	hypo	CG	-0.9383

Gm18	984793	985171	Gmdrm	hypo	CG	-0.0445
Gm18	986033	986223	Gmdrm	hypo	CG	-0.835
Gm18	986358	986645	Gmdrm	hypo	CG	-0.7913
Gm18	995461	995616	Gmdrm	hypo	CG	-0.9137
Gm18	1029418	1029648	Gmdrm	hypo	CG	-0.8664
Gm18	1029794	1029838	Gmdrm	hypo	CG	-0.9412
Gm18	1037019	1037567	Gmdrm	hypo	CG	-0.3446
Gm18	1066829	1066921	Gmdrm	hypo	CG	-0.4075
Gm18	1067517	1067909	Gmdrm	hypo	CG	-0.6312
Gm18	1090254	1090283	Gmdrm	hypo	CG	-0.945
Gm18	1160778	1161098	Gmdrm	hypo	CG	-0.7107
Gm18	1179235	1179279	Gmdrm	hypo	CG	-0.4367
Gm18	1190171	1190389	Gmdrm	hypo	CG	-0.2184
Gm18	1196012	1196130	Gmdrm	hypo	CG	-0.4528
Gm18	1216403	1216455	Gmdrm	hypo	CG	-0.6267
Gm18	1229745	1229841	Gmdrm	hypo	CG	-0.1815
Gm18	1263079	1263152	Gmdrm	hypo	CG	-0.6384
Gm18	1265012	1265103	Gmdrm	hypo	CG	-0.034
Gm18	1305424	1306191	Gmdrm	hypo	CG	-0.4841
Gm18	1318480	1318523	Gmdrm	hypo	CG	-0.9267
Gm18	1318886	1318918	Gmdrm	hypo	CG	-0.845
Gm18	1320609	1320800	Gmdrm	hypo	CG	-0.9583
Gm18	1332900	1333082	Gmdrm	hypo	CG	-0.5909
Gm18	1333371	1333489	Gmdrm	hypo	CG	-0.8041
Gm18	1333627	1333873	Gmdrm	hypo	CG	-0.4967
Gm18	1340229	1340307	Gmdrm	hypo	CG	-0.2529
Gm18	1369428	1369577	Gmdrm	hypo	CG	-0.0876
Gm18	1369853	1370186	Gmdrm	hypo	CG	-0.3309
Gm18	1379970	1380133	Gmdrm	hypo	CG	-0.9583
Gm18	1387606	1387796	Gmdrm	hypo	CG	-0.879
Gm18	1396758	1396909	Gmdrm	hypo	CG	-0.0367
Gm18	1405091	1405216	Gmdrm	hypo	CG	-0.058
Gm18	1415077	1415148	Gmdrm	hypo	CG	-0.968
Gm18	1428270	1428340	Gmdrm	hypo	CG	-0.868
Gm18	1434739	1434857	Gmdrm	hypo	CG	-0.1016
Gm18	1457052	1457307	Gmdrm	hypo	CG	-0.7188
Gm18	1476283	1476613	Gmdrm	hypo	CG	-0.113
Gm18	1506989	1507230	Gmdrm	hypo	CG	-0.8372
Gm18	1523560	1523682	Gmdrm	hypo	CG	-0.8811
Gm18	1566345	1566487	Gmdrm	hypo	CG	-0.1007
Gm18	1592054	1592207	Gmdrm	hypo	CG	-0.0917
Gm18	1598797	1598859	Gmdrm	hypo	CG	-0.9216
Gm18	1604179	1604516	Gmdrm	hypo	CG	-0.7086
Gm18	1659504	1659608	Gmdrm	hypo	CG	-0.104
Gm18	1661420	1661526	Gmdrm	hypo	CG	-0.9425
Gm18	1661649	1661786	Gmdrm	hypo	CG	-0.9487

Gm18	1662251	1662401	Gmdrm	hypo	CG	-0.387
Gm18	1737670	1737724	Gmdrm	hypo	CG	-0.6275
Gm18	1748736	1748848	Gmdrm	hypo	CG	-0.413
Gm18	1757240	1757336	Gmdrm	hypo	CG	-0.7937
Gm18	1757694	1757833	Gmdrm	hypo	CG	-0.8737
Gm18	1763944	1764166	Gmdrm	hypo	CG	-0.4743
Gm18	1764290	1764377	Gmdrm	hypo	CG	-0.4483
Gm18	1764574	1764794	Gmdrm	hypo	CG	-0.4492
Gm18	1770786	1770835	Gmdrm	hypo	CG	-0.8883
Gm18	1781740	1781751	Gmdrm	hypo	CG	-0.3183
Gm18	1781918	1782055	Gmdrm	hypo	CG	-0.7537
Gm18	1789978	1790085	Gmdrm	hypo	CG	-0.6867
Gm18	1792069	1792255	Gmdrm	hypo	CG	-0.1162
Gm18	1817309	1817522	Gmdrm	hypo	CG	-0.5427
Gm18	1817712	1818094	Gmdrm	hypo	CG	-0.63
Gm18	1824575	1824705	Gmdrm	hypo	CG	-0.6225
Gm18	1828128	1828271	Gmdrm	hypo	CG	-0.944
Gm18	1852004	1852114	Gmdrm	hypo	CG	-0.5589
Gm18	1855156	1855266	Gmdrm	hypo	CG	-0.9563
Gm18	1866565	1866702	Gmdrm	hypo	CG	-0.3874
Gm18	1895268	1895361	Gmdrm	hypo	CG	-0.483
Gm18	1906224	1906635	Gmdrm	hypo	CG	-0.4369
Gm18	1908202	1908254	Gmdrm	hypo	CG	-0.935
Gm18	1915575	1915862	Gmdrm	hypo	CG	-0.4744
Gm18	1916011	1916128	Gmdrm	hypo	CG	-0.415
Gm18	1922830	1922932	Gmdrm	hypo	CG	-0.046
Gm18	1924820	1924937	Gmdrm	hypo	CG	-0.6784
Gm18	1925425	1925537	Gmdrm	hypo	CG	-0.705
Gm18	1957651	1957685	Gmdrm	hypo	CG	-0.955
Gm18	2088098	2088321	Gmdrm	hypo	CG	-0.945
Gm18	2102490	2102639	Gmdrm	hypo	CG	-0.05
Gm18	2116448	2116592	Gmdrm	hypo	CG	-0.5586
Gm18	2176831	2177244	Gmdrm	hypo	CG	-0.1765
Gm18	2178175	2178191	Gmdrm	hypo	CG	-0.601
Gm18	2186104	2186469	Gmdrm	hypo	CG	-0.3033
Gm18	2194237	2194256	Gmdrm	hypo	CG	-0.5934
Gm18	2194410	2194507	Gmdrm	hypo	CG	-0.8087
Gm18	2194615	2194842	Gmdrm	hypo	CG	-0.67
Gm18	2194957	2195153	Gmdrm	hypo	CG	-0.3313
Gm18	2195320	2195404	Gmdrm	hypo	CG	-0.7625
Gm18	2223363	2223398	Gmdrm	hypo	CG	-0.9512
Gm18	2257871	2258149	Gmdrm	hypo	CG	-0.0462
Gm18	2274922	2275511	Gmdrm	hypo	CG	-0.2484
Gm18	2277710	2277790	Gmdrm	hypo	CG	-0.9833
Gm18	2278029	2278152	Gmdrm	hypo	CG	-0.8637
Gm18	2310358	2311047	Gmdrm	hypo	CG	-0.2349

Gm18	2355745	2355907	Gmdrm	hypo	CG	-0.8367
Gm18	2357488	2357694	Gmdrm	hypo	CG	-0.2035
Gm18	2381653	2381820	Gmdrm	hypo	CG	-0.818
Gm18	2382196	2382436	Gmdrm	hypo	CG	-0.045
Gm18	2392395	2392949	Gmdrm	hypo	CG	-0.1105
Gm18	2396674	2396747	Gmdrm	hypo	CG	-0.9141
Gm18	2406487	2406567	Gmdrm	hypo	CG	-0.946
Gm18	2415030	2415164	Gmdrm	hypo	CG	-0.8883
Gm18	2437735	2438058	Gmdrm	hypo	CG	-0.6813
Gm18	2440566	2440750	Gmdrm	hypo	CG	-0.7416
Gm18	2440919	2440991	Gmdrm	hypo	CG	-0.8233
Gm18	2441320	2441380	Gmdrm	hypo	CG	-0.4138
Gm18	2441515	2441557	Gmdrm	hypo	CG	-0.618
Gm18	2441736	2442191	Gmdrm	hypo	CG	-0.2511
Gm18	2495936	2496164	Gmdrm	hypo	CG	-0.7513
Gm18	2509591	2509673	Gmdrm	hypo	CG	-0.6566
Gm18	2528819	2528960	Gmdrm	hypo	CG	-0.9792
Gm18	2544776	2544912	Gmdrm	hypo	CG	-0.515
Gm18	2549796	2549879	Gmdrm	hypo	CG	-0.422
Gm18	2571137	2571195	Gmdrm	hypo	CG	-0.36
Gm18	2580479	2580524	Gmdrm	hypo	CG	-0.034
Gm18	2581757	2582030	Gmdrm	hypo	CG	-0.61
Gm18	2588379	2588496	Gmdrm	hypo	CG	-0.9722
Gm18	2619571	2619682	Gmdrm	hypo	CG	-0.4583
Gm18	2620004	2620278	Gmdrm	hypo	CG	-0.773
Gm18	2633841	2634136	Gmdrm	hypo	CG	-0.725
Gm18	2654403	2654576	Gmdrm	hypo	CG	-0.79
Gm18	2665013	2665562	Gmdrm	hypo	CG	-0.7506
Gm18	2665717	2665818	Gmdrm	hypo	CG	-0.7283
Gm18	2685923	2686108	Gmdrm	hypo	CG	-0.918
Gm18	2691764	2692015	Gmdrm	hypo	CG	-0.377
Gm18	2701614	2701817	Gmdrm	hypo	CG	-0.46
Gm18	2718284	2718324	Gmdrm	hypo	CG	-0.07
Gm18	2728235	2728344	Gmdrm	hypo	CG	-0.111
Gm18	2732121	2732222	Gmdrm	hypo	CG	-0.185
Gm18	2750822	2750863	Gmdrm	hypo	CG	-0.6333
Gm18	2790271	2790374	Gmdrm	hypo	CG	-0.93
Gm18	2790824	2790924	Gmdrm	hypo	CG	-0.938
Gm18	2791128	2791142	Gmdrm	hypo	CG	-0.825
Gm18	2793274	2793345	Gmdrm	hypo	CG	-0.4863
Gm18	2793689	2793717	Gmdrm	hypo	CG	-0.94
Gm18	2810729	2810799	Gmdrm	hypo	CG	-0.886
Gm18	2811176	2811249	Gmdrm	hypo	CG	-0.295
Gm18	2812392	2812621	Gmdrm	hypo	CG	-0.0625
Gm18	2812813	2812933	Gmdrm	hypo	CG	-0.5839
Gm18	2813095	2813144	Gmdrm	hypo	CG	-0.6266

Gm18	2817482	2817706 Gmdrm	hypo	CG	-0.7573
Gm18	2840471	2840573 Gmdrm	hypo	CG	-0.5266
Gm18	2841511	2841556 Gmdrm	hypo	CG	-0.7088
Gm18	2841908	2842114 Gmdrm	hypo	CG	-0.585
Gm18	2849315	2849364 Gmdrm	hypo	CG	-0.05
Gm18	2873181	2873497 Gmdrm	hypo	CG	-0.3526
Gm18	2873750	2873859 Gmdrm	hypo	CG	-0.0433
Gm18	2878307	2878620 Gmdrm	hypo	CG	-0.39
Gm18	2879500	2879547 Gmdrm	hypo	CG	-0.6367
Gm18	2894425	2894616 Gmdrm	hypo	CG	-0.7308
Gm18	2912695	2912768 Gmdrm	hypo	CG	-0.2138
Gm18	2913354	2913592 Gmdrm	hypo	CG	-0.0854
Gm18	2914047	2914174 Gmdrm	hypo	CG	-0.96
Gm18	2940235	2940365 Gmdrm	hypo	CG	-0.035
Gm18	2956545	2956622 Gmdrm	hypo	CG	-0.284
Gm18	2956908	2957043 Gmdrm	hypo	CG	-0.4575
Gm18	2957882	2957977 Gmdrm	hypo	CG	-0.9584
Gm18	2982919	2983324 Gmdrm	hypo	CG	-0.1094
Gm18	2990822	2991080 Gmdrm	hypo	CG	-0.4118
Gm18	2992244	2992283 Gmdrm	hypo	CG	-0.565
Gm18	2992589	2992954 Gmdrm	hypo	CG	-0.8007
Gm18	3001619	3001694 Gmdrm	hypo	CG	-0.6657
Gm18	3006901	3007223 Gmdrm	hypo	CG	-0.8242
Gm18	3007819	3008053 Gmdrm	hypo	CG	-0.5871
Gm18	3020168	3020480 Gmdrm	hypo	CG	-0.1847
Gm18	3020958	3021060 Gmdrm	hypo	CG	-0.3526
Gm18	3023799	3024237 Gmdrm	hypo	CG	-0.7775
Gm18	3043736	3043878 Gmdrm	hypo	CG	-0.21
Gm18	3048547	3048629 Gmdrm	hypo	CG	-0.3875
Gm18	3048817	3048902 Gmdrm	hypo	CG	-0.1983
Gm18	3072350	3072669 Gmdrm	hypo	CG	-0.0457
Gm18	3086024	3086250 Gmdrm	hypo	CG	-0.4895
Gm18	3093100	3093388 Gmdrm	hypo	CG	-0.0325
Gm18	3094533	3094650 Gmdrm	hypo	CG	-0.552
Gm18	3163950	3164090 Gmdrm	hypo	CG	-0.028
Gm18	3168529	3168733 Gmdrm	hypo	CG	-0.5794
Gm18	3169129	3169259 Gmdrm	hypo	CG	-0.4187
Gm18	3189972	3190109 Gmdrm	hypo	CG	-0.04
Gm18	3199412	3199583 Gmdrm	hypo	CG	-0.655
Gm18	3216962	3217125 Gmdrm	hypo	CG	-0.7075
Gm18	3219189	3219368 Gmdrm	hypo	CG	-0.8008
Gm18	3236506	3236631 Gmdrm	hypo	CG	-0.85
Gm18	3236781	3236809 Gmdrm	hypo	CG	-0.042
Gm18	3264056	3264189 Gmdrm	hypo	CG	-0.7662
Gm18	3264651	3264698 Gmdrm	hypo	CG	-0.9438
Gm18	3272563	3272812 Gmdrm	hypo	CG	-0.7783

Gm18	3272982	3273018 Gmdrm	hypo	CG	-0.2033
Gm18	3273173	3273205 Gmdrm	hypo	CG	-0.26
Gm18	3273406	3273653 Gmdrm	hypo	CG	-0.1437
Gm18	3274001	3274069 Gmdrm	hypo	CG	-0.215
Gm18	3274584	3274746 Gmdrm	hypo	CG	-0.4892
Gm18	3275015	3275179 Gmdrm	hypo	CG	-0.6083
Gm18	3275611	3275643 Gmdrm	hypo	CG	-0.3275
Gm18	3275835	3276027 Gmdrm	hypo	CG	-0.6407
Gm18	3282735	3282805 Gmdrm	hypo	CG	-0.2733
Gm18	3293713	3293815 Gmdrm	hypo	CG	-0.316
Gm18	3294427	3294514 Gmdrm	hypo	CG	-0.0817
Gm18	3294623	3294738 Gmdrm	hypo	CG	-0.1037
Gm18	3297168	3297427 Gmdrm	hypo	CG	-0.4287
Gm18	3307675	3307900 Gmdrm	hypo	CG	-0.07
Gm18	3324030	3324136 Gmdrm	hypo	CG	-0.305
Gm18	3324601	3324976 Gmdrm	hypo	CG	-0.4924
Gm18	3327905	3327940 Gmdrm	hypo	CG	-0.9416
Gm18	3328074	3328221 Gmdrm	hypo	CG	-0.8113
Gm18	3328416	3328655 Gmdrm	hypo	CG	-0.8233
Gm18	3330868	3331076 Gmdrm	hypo	CG	-0.5422
Gm18	3344272	3344410 Gmdrm	hypo	CG	-0.073
Gm18	3378985	3379247 Gmdrm	hypo	CG	-0.0875
Gm18	3379984	3380468 Gmdrm	hypo	CG	-0.0889
Gm18	3385698	3385970 Gmdrm	hypo	CG	-0.2948
Gm18	3407508	3407854 Gmdrm	hypo	CG	-0.78
Gm18	3414402	3414645 Gmdrm	hypo	CG	-0.565
Gm18	3414751	3414783 Gmdrm	hypo	CG	-0.975
Gm18	3415763	3415822 Gmdrm	hypo	CG	-0.52
Gm18	3416404	3416450 Gmdrm	hypo	CG	-0.9312
Gm18	3416709	3416795 Gmdrm	hypo	CG	-0.785
Gm18	3430004	3430044 Gmdrm	hypo	CG	-0.4063
Gm18	3440625	3440801 Gmdrm	hypo	CG	-0.302
Gm18	3453677	3453705 Gmdrm	hypo	CG	-0.9267
Gm18	3453926	3454008 Gmdrm	hypo	CG	-0.6383
Gm18	3467034	3467214 Gmdrm	hypo	CG	-0.0566
Gm18	3496270	3496688 Gmdrm	hypo	CG	-0.1
Gm18	3503193	3503261 Gmdrm	hypo	CG	-0.0867
Gm18	3509428	3509558 Gmdrm	hypo	CG	-0.04
Gm18	3527676	3527812 Gmdrm	hypo	CG	-0.902
Gm18	3528047	3528258 Gmdrm	hypo	CG	-0.824
Gm18	3534474	3534535 Gmdrm	hypo	CG	-0.6283
Gm18	3581400	3581501 Gmdrm	hypo	CG	-0.1962
Gm18	3584186	3584206 Gmdrm	hypo	CG	-0.94
Gm18	3588870	3589299 Gmdrm	hypo	CG	-0.3236
Gm18	3589603	3589718 Gmdrm	hypo	CG	-0.0581
Gm18	3589945	3590206 Gmdrm	hypo	CG	-0.0523

Gm18	3592411	3592633	Gmdrm	hypo	CG	-0.2433
Gm18	3594924	3594982	Gmdrm	hypo	CG	-0.5912
Gm18	3595090	3595174	Gmdrm	hypo	CG	-0.8167
Gm18	3599299	3599636	Gmdrm	hypo	CG	-0.4465
Gm18	3601715	3601855	Gmdrm	hypo	CG	-0.042
Gm18	3650508	3650581	Gmdrm	hypo	CG	-0.6362
Gm18	3674553	3675184	Gmdrm	hypo	CG	-0.1651
Gm18	3675576	3675677	Gmdrm	hypo	CG	-0.3087
Gm18	3683015	3683496	Gmdrm	hypo	CG	-0.123
Gm18	3687220	3687393	Gmdrm	hypo	CG	-0.91
Gm18	3708232	3708399	Gmdrm	hypo	CG	-0.1685
Gm18	3708605	3708772	Gmdrm	hypo	CG	-0.0367
Gm18	3736640	3736921	Gmdrm	hypo	CG	-0.0766
Gm18	3777605	3777865	Gmdrm	hypo	CG	-0.3925
Gm18	3781225	3781433	Gmdrm	hypo	CG	-0.4342
Gm18	3781857	3782099	Gmdrm	hypo	CG	-0.648
Gm18	3807470	3807666	Gmdrm	hypo	CG	-0.0383
Gm18	3812172	3812305	Gmdrm	hypo	CG	-0.965
Gm18	3814091	3814256	Gmdrm	hypo	CG	-0.704
Gm18	3857624	3857734	Gmdrm	hypo	CG	-0.9715
Gm18	3857850	3858006	Gmdrm	hypo	CG	-0.2563
Gm18	3858232	3858799	Gmdrm	hypo	CG	-0.6323
Gm18	3868799	3868942	Gmdrm	hypo	CG	-0.7983
Gm18	3869175	3869210	Gmdrm	hypo	CG	-0.056
Gm18	3886281	3886416	Gmdrm	hypo	CG	-0.8113
Gm18	3895647	3895714	Gmdrm	hypo	CG	-0.5467
Gm18	3900642	3900919	Gmdrm	hypo	CG	-0.8544
Gm18	3905134	3905230	Gmdrm	hypo	CG	-0.5183
Gm18	3905354	3905656	Gmdrm	hypo	CG	-0.5066
Gm18	3915556	3915731	Gmdrm	hypo	CG	-0.438
Gm18	3917567	3917698	Gmdrm	hypo	CG	-0.7262
Gm18	3919559	3919569	Gmdrm	hypo	CG	-0.6117
Gm18	3920226	3920257	Gmdrm	hypo	CG	-0.725
Gm18	3920361	3920472	Gmdrm	hypo	CG	-0.61
Gm18	3920881	3920948	Gmdrm	hypo	CG	-0.7917
Gm18	3935248	3935501	Gmdrm	hypo	CG	-0.8267
Gm18	3949372	3949460	Gmdrm	hypo	CG	-0.5438
Gm18	3955721	3955910	Gmdrm	hypo	CG	-0.7621
Gm18	3956034	3956236	Gmdrm	hypo	CG	-0.3727
Gm18	3972688	3972817	Gmdrm	hypo	CG	-0.062
Gm18	3995321	3995555	Gmdrm	hypo	CG	-0.4191
Gm18	4011147	4011376	Gmdrm	hypo	CG	-0.0726
Gm18	4034706	4034847	Gmdrm	hypo	CG	-0.92
Gm18	4035601	4035763	Gmdrm	hypo	CG	-0.7538
Gm18	4051303	4051463	Gmdrm	hypo	CG	-0.5981
Gm18	4076514	4076616	Gmdrm	hypo	CG	-0.53

Gm18	4098451	4098588 Gmdrm	hypo	CG	-0.0433
Gm18	4105434	4105634 Gmdrm	hypo	CG	-0.311
Gm18	4106418	4106690 Gmdrm	hypo	CG	-0.3046
Gm18	4113506	4113786 Gmdrm	hypo	CG	-0.2173
Gm18	4120574	4120661 Gmdrm	hypo	CG	-0.8367
Gm18	4150310	4150625 Gmdrm	hypo	CG	-0.2859
Gm18	4151257	4151482 Gmdrm	hypo	CG	-0.2536
Gm18	4151607	4151779 Gmdrm	hypo	CG	-0.82
Gm18	4166970	4167283 Gmdrm	hypo	CG	-0.7109
Gm18	4192985	4193188 Gmdrm	hypo	CG	-0.093
Gm18	4201332	4201445 Gmdrm	hypo	CG	-0.8366
Gm18	4201744	4201878 Gmdrm	hypo	CG	-0.0416
Gm18	4209114	4209257 Gmdrm	hypo	CG	-0.6338
Gm18	4209418	4209586 Gmdrm	hypo	CG	-0.7621
Gm18	4260359	4260511 Gmdrm	hypo	CG	-0.3854
Gm18	4283811	4283905 Gmdrm	hypo	CG	-0.4113
Gm18	4291441	4291462 Gmdrm	hypo	CG	-0.2699
Gm18	4348572	4348699 Gmdrm	hypo	CG	-0.962
Gm18	4351955	4352208 Gmdrm	hypo	CG	-0.3973
Gm18	4353711	4353869 Gmdrm	hypo	CG	-0.785
Gm18	4372156	4372317 Gmdrm	hypo	CG	-0.2
Gm18	4373607	4373723 Gmdrm	hypo	CG	-0.289
Gm18	4374552	4374673 Gmdrm	hypo	CG	-0.1167
Gm18	4409639	4409769 Gmdrm	hypo	CG	-0.197
Gm18	4411805	4411939 Gmdrm	hypo	CG	-0.5556
Gm18	4426738	4427101 Gmdrm	hypo	CG	-0.451
Gm18	4427360	4427485 Gmdrm	hypo	CG	-0.2664
Gm18	4458288	4458420 Gmdrm	hypo	CG	-0.1017
Gm18	4459240	4459476 Gmdrm	hypo	CG	-0.281
Gm18	4460699	4460730 Gmdrm	hypo	CG	-0.9
Gm18	4468213	4468290 Gmdrm	hypo	CG	-0.2467
Gm18	4500055	4500128 Gmdrm	hypo	CG	-0.9262
Gm18	4501692	4501805 Gmdrm	hypo	CG	-0.9517
Gm18	4503493	4503564 Gmdrm	hypo	CG	-0.4825
Gm18	4505813	4506243 Gmdrm	hypo	CG	-0.0305
Gm18	4506521	4506605 Gmdrm	hypo	CG	-0.3308
Gm18	4527948	4528126 Gmdrm	hypo	CG	-0.066
Gm18	4535700	4536031 Gmdrm	hypo	CG	-0.1619
Gm18	4542143	4542464 Gmdrm	hypo	CG	-0.6132
Gm18	4542652	4542976 Gmdrm	hypo	CG	-0.4213
Gm18	4562086	4562210 Gmdrm	hypo	CG	-0.5109
Gm18	4565889	4566185 Gmdrm	hypo	CG	-0.2772
Gm18	4571141	4571332 Gmdrm	hypo	CG	-0.5337
Gm18	4577997	4578126 Gmdrm	hypo	CG	-0.203
Gm18	4594954	4595027 Gmdrm	hypo	CG	-0.43
Gm18	4610576	4611569 Gmdrm	hypo	CG	-0.147

Gm18	4613855	4614000 Gmdrm	hypo	CG	-0.55
Gm18	4637629	4637964 Gmdrm	hypo	CG	-0.5163
Gm18	4658809	4658867 Gmdrm	hypo	CG	-0.165
Gm18	4668319	4668340 Gmdrm	hypo	CG	-0.2484
Gm18	4670041	4670088 Gmdrm	hypo	CG	-0.4233
Gm18	4670496	4670705 Gmdrm	hypo	CG	-0.25
Gm18	4671872	4671986 Gmdrm	hypo	CG	-0.34
Gm18	4673868	4674281 Gmdrm	hypo	CG	-0.6713
Gm18	4737968	4738105 Gmdrm	hypo	CG	-0.034
Gm18	4741376	4741529 Gmdrm	hypo	CG	-0.63
Gm18	4749101	4749275 Gmdrm	hypo	CG	-0.3414
Gm18	4779527	4779588 Gmdrm	hypo	CG	-0.5916
Gm18	4781947	4782055 Gmdrm	hypo	CG	-0.26
Gm18	4801757	4801844 Gmdrm	hypo	CG	-0.6234
Gm18	4853736	4854111 Gmdrm	hypo	CG	-0.6629
Gm18	4854283	4854388 Gmdrm	hypo	CG	-0.8933
Gm18	4863512	4863577 Gmdrm	hypo	CG	-0.8984
Gm18	4870952	4871035 Gmdrm	hypo	CG	-0.4087
Gm18	4871952	4872096 Gmdrm	hypo	CG	-0.5488
Gm18	4911316	4911674 Gmdrm	hypo	CG	-0.3907
Gm18	4925757	4925834 Gmdrm	hypo	CG	-0.7517
Gm18	4925940	4926131 Gmdrm	hypo	CG	-0.4325
Gm18	4930617	4930815 Gmdrm	hypo	CG	-0.184
Gm18	4930949	4931358 Gmdrm	hypo	CG	-0.3931
Gm18	4932766	4932878 Gmdrm	hypo	CG	-0.2617
Gm18	4940646	4940944 Gmdrm	hypo	CG	-0.7154
Gm18	4941046	4941359 Gmdrm	hypo	CG	-0.8679
Gm18	4996795	4996959 Gmdrm	hypo	CG	-0.1028
Gm18	5061336	5061420 Gmdrm	hypo	CG	-0.0383
Gm18	5065473	5065561 Gmdrm	hypo	CG	-0.7167
Gm18	5086662	5086895 Gmdrm	hypo	CG	-0.4546
Gm18	5109576	5109816 Gmdrm	hypo	CG	-0.6863
Gm18	5112330	5112365 Gmdrm	hypo	CG	-0.1966
Gm18	5114627	5114701 Gmdrm	hypo	CG	-0.1289
Gm18	5114888	5115005 Gmdrm	hypo	CG	-0.5784
Gm18	5130323	5130380 Gmdrm	hypo	CG	-0.3963
Gm18	5133403	5133635 Gmdrm	hypo	CG	-0.0493
Gm18	5136152	5136504 Gmdrm	hypo	CG	-0.4253
Gm18	5143596	5143870 Gmdrm	hypo	CG	-0.9229
Gm18	5160979	5161325 Gmdrm	hypo	CG	-0.0546
Gm18	5194752	5194876 Gmdrm	hypo	CG	-0.8042
Gm18	5204597	5204743 Gmdrm	hypo	CG	-0.91
Gm18	5213339	5213490 Gmdrm	hypo	CG	-0.6083
Gm18	5221253	5221312 Gmdrm	hypo	CG	-0.2562
Gm18	5239323	5239602 Gmdrm	hypo	CG	-0.8925
Gm18	5240964	5241026 Gmdrm	hypo	CG	-0.704

Gm18	5242722	5243217 Gmdrm	hypo	CG	-0.5036
Gm18	5262232	5262301 Gmdrm	hypo	CG	-0.04
Gm18	5265439	5265983 Gmdrm	hypo	CG	-0.0368
Gm18	5271018	5271131 Gmdrm	hypo	CG	-0.7987
Gm18	5272004	5272453 Gmdrm	hypo	CG	-0.049
Gm18	5272765	5272918 Gmdrm	hypo	CG	-0.1436
Gm18	5277102	5277238 Gmdrm	hypo	CG	-0.0586
Gm18	5278077	5278265 Gmdrm	hypo	CG	-0.3934
Gm18	5278999	5279136 Gmdrm	hypo	CG	-0.1717
Gm18	5279275	5279806 Gmdrm	hypo	CG	-0.1319
Gm18	5280143	5280307 Gmdrm	hypo	CG	-0.8549
Gm18	5282175	5282347 Gmdrm	hypo	CG	-0.612
Gm18	5282472	5282568 Gmdrm	hypo	CG	-0.2133
Gm18	5296410	5296501 Gmdrm	hypo	CG	-0.71
Gm18	5308941	5309017 Gmdrm	hypo	CG	-0.5693
Gm18	5309509	5309542 Gmdrm	hypo	CG	-0.7538
Gm18	5322275	5322407 Gmdrm	hypo	CG	-0.7337
Gm18	5322536	5322664 Gmdrm	hypo	CG	-0.6391
Gm18	5333752	5333784 Gmdrm	hypo	CG	-0.66
Gm18	5335535	5335630 Gmdrm	hypo	CG	-0.4366
Gm18	5336087	5336139 Gmdrm	hypo	CG	-0.1633
Gm18	5337850	5337967 Gmdrm	hypo	CG	-0.2584
Gm18	5340127	5340224 Gmdrm	hypo	CG	-0.8287
Gm18	5340342	5340374 Gmdrm	hypo	CG	-0.935
Gm18	5362388	5363388 Gmdrm	hypo	CG	-0.0683
Gm18	5366230	5366429 Gmdrm	hypo	CG	-0.2413
Gm18	5366549	5366788 Gmdrm	hypo	CG	-0.2664
Gm18	5382857	5382955 Gmdrm	hypo	CG	-0.81
Gm18	5383253	5383454 Gmdrm	hypo	CG	-0.0349
Gm18	5395248	5395358 Gmdrm	hypo	CG	-0.84
Gm18	5398933	5399182 Gmdrm	hypo	CG	-0.1323
Gm18	5408306	5408719 Gmdrm	hypo	CG	-0.1657
Gm18	5408843	5408897 Gmdrm	hypo	CG	-0.3975
Gm18	5411675	5411847 Gmdrm	hypo	CG	-0.8595
Gm18	5412204	5412500 Gmdrm	hypo	CG	-0.7378
Gm18	5412679	5412878 Gmdrm	hypo	CG	-0.4528
Gm18	5453705	5453719 Gmdrm	hypo	CG	-0.3567
Gm18	5454170	5454250 Gmdrm	hypo	CG	-0.695
Gm18	5458620	5458923 Gmdrm	hypo	CG	-0.1159
Gm18	5476750	5476864 Gmdrm	hypo	CG	-0.1625
Gm18	5487551	5487602 Gmdrm	hypo	CG	-0.1283
Gm18	5512941	5512962 Gmdrm	hypo	CG	-0.0983
Gm18	5522657	5522676 Gmdrm	hypo	CG	-0.9316
Gm18	5551733	5551878 Gmdrm	hypo	CG	-0.6637
Gm18	5559020	5559390 Gmdrm	hypo	CG	-0.0548
Gm18	5595656	5595864 Gmdrm	hypo	CG	-0.025

Gm18	5618662	5618784	Gmdrm	hypo	CG	-0.927
Gm18	5619744	5619867	Gmdrm	hypo	CG	-0.6269
Gm18	5631379	5631406	Gmdrm	hypo	CG	-0.8
Gm18	5631921	5632143	Gmdrm	hypo	CG	-0.6075
Gm18	5632388	5632459	Gmdrm	hypo	CG	-0.3717
Gm18	5632589	5632650	Gmdrm	hypo	CG	-0.96
Gm18	5632987	5633213	Gmdrm	hypo	CG	-0.6341
Gm18	5642975	5643040	Gmdrm	hypo	CG	-0.3072
Gm18	5668339	5668645	Gmdrm	hypo	CG	-0.4027
Gm18	5673291	5673337	Gmdrm	hypo	CG	-0.3787
Gm18	5674710	5674987	Gmdrm	hypo	CG	-0.9518
Gm18	5676330	5676531	Gmdrm	hypo	CG	-0.5505
Gm18	5679360	5679462	Gmdrm	hypo	CG	-0.164
Gm18	5711796	5711950	Gmdrm	hypo	CG	-0.5765
Gm18	5713869	5714131	Gmdrm	hypo	CG	-0.2878
Gm18	5719120	5719313	Gmdrm	hypo	CG	-0.1922
Gm18	5732993	5733174	Gmdrm	hypo	CG	-0.4487
Gm18	5733727	5733865	Gmdrm	hypo	CG	-0.7125
Gm18	5733995	5734091	Gmdrm	hypo	CG	-0.7734
Gm18	5740610	5740927	Gmdrm	hypo	CG	-0.5159
Gm18	5741066	5741153	Gmdrm	hypo	CG	-0.522
Gm18	5788057	5788186	Gmdrm	hypo	CG	-0.1074
Gm18	5799291	5799615	Gmdrm	hypo	CG	-0.0267
Gm18	5803660	5803881	Gmdrm	hypo	CG	-0.9559
Gm18	5804638	5804805	Gmdrm	hypo	CG	-0.0643
Gm18	5842088	5842153	Gmdrm	hypo	CG	-0.1717
Gm18	5854450	5854540	Gmdrm	hypo	CG	-0.655
Gm18	5876807	5876930	Gmdrm	hypo	CG	-0.7967
Gm18	5886849	5887038	Gmdrm	hypo	CG	-0.5963
Gm18	5888230	5888399	Gmdrm	hypo	CG	-0.3725
Gm18	5889414	5889556	Gmdrm	hypo	CG	-0.1366
Gm18	5891131	5891183	Gmdrm	hypo	CG	-0.938
Gm18	5891875	5892012	Gmdrm	hypo	CG	-0.3716
Gm18	5893676	5893842	Gmdrm	hypo	CG	-0.855
Gm18	5931618	5932077	Gmdrm	hypo	CG	-0.0287
Gm18	5933743	5933811	Gmdrm	hypo	CG	-0.6234
Gm18	5934427	5934441	Gmdrm	hypo	CG	-0.5167
Gm18	5934711	5934838	Gmdrm	hypo	CG	-0.88
Gm18	5941652	5941889	Gmdrm	hypo	CG	-0.0459
Gm18	5955818	5955955	Gmdrm	hypo	CG	-0.3362
Gm18	5963792	5963909	Gmdrm	hypo	CG	-0.8725
Gm18	5964930	5965151	Gmdrm	hypo	CG	-0.8233
Gm18	5971207	5971314	Gmdrm	hypo	CG	-0.6165
Gm18	5981289	5981515	Gmdrm	hypo	CG	-0.375
Gm18	5990177	5990280	Gmdrm	hypo	CG	-0.745
Gm18	6011050	6011115	Gmdrm	hypo	CG	-0.4616

Gm18	6012260	6012312 Gmdrm	hypo	CG	-0.1963
Gm18	6012938	6013088 Gmdrm	hypo	CG	-0.501
Gm18	6013525	6013583 Gmdrm	hypo	CG	-0.7283
Gm18	6025045	6025408 Gmdrm	hypo	CG	-0.214
Gm18	6028242	6028366 Gmdrm	hypo	CG	-0.8621
Gm18	6030020	6030245 Gmdrm	hypo	CG	-0.385
Gm18	6038965	6039199 Gmdrm	hypo	CG	-0.9544
Gm18	6041109	6041231 Gmdrm	hypo	CG	-0.6833
Gm18	6048200	6048331 Gmdrm	hypo	CG	-0.4884
Gm18	6048459	6048595 Gmdrm	hypo	CG	-0.5
Gm18	6048973	6049047 Gmdrm	hypo	CG	-0.5225
Gm18	6050113	6050559 Gmdrm	hypo	CG	-0.3542
Gm18	6070396	6070534 Gmdrm	hypo	CG	-0.4312
Gm18	6070700	6071031 Gmdrm	hypo	CG	-0.948
Gm18	6073307	6073357 Gmdrm	hypo	CG	-0.3217
Gm18	6073569	6073818 Gmdrm	hypo	CG	-0.4362
Gm18	6075785	6075996 Gmdrm	hypo	CG	-0.9465
Gm18	6076252	6076368 Gmdrm	hypo	CG	-0.8
Gm18	6077916	6078054 Gmdrm	hypo	CG	-0.5733
Gm18	6089066	6089802 Gmdrm	hypo	CG	-0.5068
Gm18	6104179	6104319 Gmdrm	hypo	CG	-0.0887
Gm18	6104425	6104717 Gmdrm	hypo	CG	-0.0722
Gm18	6104998	6105212 Gmdrm	hypo	CG	-0.8817
Gm18	6109883	6110304 Gmdrm	hypo	CG	-0.03
Gm18	6115868	6116021 Gmdrm	hypo	CG	-0.369
Gm18	6120806	6121026 Gmdrm	hypo	CG	-0.1883
Gm18	6135097	6135335 Gmdrm	hypo	CG	-0.2319
Gm18	6160169	6160326 Gmdrm	hypo	CG	-0.095
Gm18	6166113	6166309 Gmdrm	hypo	CG	-0.0796
Gm18	6169736	6170299 Gmdrm	hypo	CG	-0.2415
Gm18	6193134	6193247 Gmdrm	hypo	CG	-0.6217
Gm18	6193627	6193681 Gmdrm	hypo	CG	-0.6183
Gm18	6194019	6194469 Gmdrm	hypo	CG	-0.0932
Gm18	6197528	6197989 Gmdrm	hypo	CG	-0.3038
Gm18	6202306	6202374 Gmdrm	hypo	CG	-0.925
Gm18	6202645	6202721 Gmdrm	hypo	CG	-0.8633
Gm18	6220716	6220767 Gmdrm	hypo	CG	-0.9467
Gm18	6251690	6251818 Gmdrm	hypo	CG	-0.9356
Gm18	6251965	6252101 Gmdrm	hypo	CG	-0.7378
Gm18	6256496	6256678 Gmdrm	hypo	CG	-0.9049
Gm18	6257018	6257140 Gmdrm	hypo	CG	-0.7124
Gm18	6257671	6257736 Gmdrm	hypo	CG	-0.4117
Gm18	6260137	6260261 Gmdrm	hypo	CG	-0.5215
Gm18	6266835	6266944 Gmdrm	hypo	CG	-0.1967
Gm18	6267299	6267763 Gmdrm	hypo	CG	-0.1045
Gm18	6268051	6268238 Gmdrm	hypo	CG	-0.5943

Gm18	6274291	6274449	Gmdrm	hypo	CG	-0.5878
Gm18	6344243	6344353	Gmdrm	hypo	CG	-0.9064
Gm18	6344515	6344845	Gmdrm	hypo	CG	-0.4393
Gm18	6351989	6352135	Gmdrm	hypo	CG	-0.185
Gm18	6362366	6362456	Gmdrm	hypo	CG	-0.5317
Gm18	6385355	6385493	Gmdrm	hypo	CG	-0.5417
Gm18	6410558	6410588	Gmdrm	hypo	CG	-0.0917
Gm18	6490382	6491363	Gmdrm	hypo	CG	-0.1902
Gm18	6493747	6494014	Gmdrm	hypo	CG	-0.2144
Gm18	6512102	6512187	Gmdrm	hypo	CG	-0.9433
Gm18	6516366	6516530	Gmdrm	hypo	CG	-0.1542
Gm18	6520098	6520329	Gmdrm	hypo	CG	-0.1705
Gm18	6521239	6521293	Gmdrm	hypo	CG	-0.51
Gm18	6521442	6521679	Gmdrm	hypo	CG	-0.2268
Gm18	6522877	6523224	Gmdrm	hypo	CG	-0.1444
Gm18	6525383	6525422	Gmdrm	hypo	CG	-0.074
Gm18	6538990	6539053	Gmdrm	hypo	CG	-0.91
Gm18	6576789	6576919	Gmdrm	hypo	CG	-0.6462
Gm18	6583489	6583514	Gmdrm	hypo	CG	-0.3217
Gm18	6607650	6607750	Gmdrm	hypo	CG	-0.6625
Gm18	6653119	6653428	Gmdrm	hypo	CG	-0.8746
Gm18	6655791	6655931	Gmdrm	hypo	CG	-0.9325
Gm18	6658115	6658243	Gmdrm	hypo	CG	-0.695
Gm18	6658359	6658685	Gmdrm	hypo	CG	-0.374
Gm18	6685389	6685623	Gmdrm	hypo	CG	-0.48
Gm18	6706720	6707368	Gmdrm	hypo	CG	-0.1636
Gm18	6733256	6733445	Gmdrm	hypo	CG	-0.2528
Gm18	6755103	6755183	Gmdrm	hypo	CG	-0.3312
Gm18	6766074	6766183	Gmdrm	hypo	CG	-0.725
Gm18	6771362	6771510	Gmdrm	hypo	CG	-0.3867
Gm18	6801850	6801988	Gmdrm	hypo	CG	-0.3925
Gm18	6812375	6812597	Gmdrm	hypo	CG	-0.115
Gm18	6815176	6815528	Gmdrm	hypo	CG	-0.3265
Gm18	6820616	6820684	Gmdrm	hypo	CG	-0.9566
Gm18	6833235	6833256	Gmdrm	hypo	CG	-0.7867
Gm18	6835400	6835557	Gmdrm	hypo	CG	-0.88
Gm18	6837358	6837528	Gmdrm	hypo	CG	-0.4141
Gm18	6856663	6856764	Gmdrm	hypo	CG	-0.904
Gm18	6857580	6857643	Gmdrm	hypo	CG	-0.4134
Gm18	6858834	6858907	Gmdrm	hypo	CG	-0.2754
Gm18	6872190	6872394	Gmdrm	hypo	CG	-0.7272
Gm18	6892185	6892688	Gmdrm	hypo	CG	-0.4509
Gm18	6893653	6893783	Gmdrm	hypo	CG	-0.1421
Gm18	6935913	6935974	Gmdrm	hypo	CG	-0.2833
Gm18	6972618	6972775	Gmdrm	hypo	CG	-0.1457
Gm18	6992170	6992383	Gmdrm	hypo	CG	-0.915

Gm18	7014510	7014881 Gmdrm	hypo	CG	-0.0428
Gm18	7018145	7018333 Gmdrm	hypo	CG	-0.6693
Gm18	7027326	7027496 Gmdrm	hypo	CG	-0.3325
Gm18	7029783	7030138 Gmdrm	hypo	CG	-0.1068
Gm18	7038211	7038350 Gmdrm	hypo	CG	-0.8267
Gm18	7038980	7039103 Gmdrm	hypo	CG	-0.9416
Gm18	7046584	7046643 Gmdrm	hypo	CG	-0.7492
Gm18	7072402	7072525 Gmdrm	hypo	CG	-0.8133
Gm18	7073191	7073329 Gmdrm	hypo	CG	-0.982
Gm18	7092188	7092774 Gmdrm	hypo	CG	-0.6144
Gm18	7093083	7093223 Gmdrm	hypo	CG	-0.961
Gm18	7124427	7124934 Gmdrm	hypo	CG	-0.4794
Gm18	7127998	7128151 Gmdrm	hypo	CG	-0.415
Gm18	7130891	7131356 Gmdrm	hypo	CG	-0.7372
Gm18	7132255	7132343 Gmdrm	hypo	CG	-0.4617
Gm18	7133309	7133382 Gmdrm	hypo	CG	-0.855
Gm18	7143203	7143265 Gmdrm	hypo	CG	-0.66
Gm18	7195284	7195468 Gmdrm	hypo	CG	-0.3912
Gm18	7196427	7196675 Gmdrm	hypo	CG	-0.1033
Gm18	7198856	7198977 Gmdrm	hypo	CG	-0.3925
Gm18	7245511	7245786 Gmdrm	hypo	CG	-0.1129
Gm18	7256004	7256228 Gmdrm	hypo	CG	-0.5147
Gm18	7256373	7256422 Gmdrm	hypo	CG	-0.1617
Gm18	7263243	7263647 Gmdrm	hypo	CG	-0.105
Gm18	7302690	7302970 Gmdrm	hypo	CG	-0.1375
Gm18	7314795	7314893 Gmdrm	hypo	CG	-0.74
Gm18	7315004	7315109 Gmdrm	hypo	CG	-0.776
Gm18	7364252	7364371 Gmdrm	hypo	CG	-0.2567
Gm18	7370670	7370726 Gmdrm	hypo	CG	-0.825
Gm18	7432975	7433085 Gmdrm	hypo	CG	-0.7386
Gm18	7436185	7436563 Gmdrm	hypo	CG	-0.5045
Gm18	7454261	7454315 Gmdrm	hypo	CG	-0.725
Gm18	7468448	7468620 Gmdrm	hypo	CG	-0.1582
Gm18	7470179	7470352 Gmdrm	hypo	CG	-0.51
Gm18	7478205	7478398 Gmdrm	hypo	CG	-0.0681
Gm18	7479507	7479997 Gmdrm	hypo	CG	-0.1503
Gm18	7480117	7480283 Gmdrm	hypo	CG	-0.1892
Gm18	7483847	7484190 Gmdrm	hypo	CG	-0.0893
Gm18	7487639	7487751 Gmdrm	hypo	CG	-0.35
Gm18	7492668	7492714 Gmdrm	hypo	CG	-0.972
Gm18	7531603	7531697 Gmdrm	hypo	CG	-0.5017
Gm18	7535722	7535823 Gmdrm	hypo	CG	-0.975
Gm18	7564630	7564804 Gmdrm	hypo	CG	-0.4144
Gm18	7568795	7569064 Gmdrm	hypo	CG	-0.3793
Gm18	7569686	7569967 Gmdrm	hypo	CG	-0.0559
Gm18	7570258	7570297 Gmdrm	hypo	CG	-0.075

Gm18	7575521	7575607 Gmdrm	hypo	CG	-0.373
Gm18	7578302	7578424 Gmdrm	hypo	CG	-0.872
Gm18	7584968	7585043 Gmdrm	hypo	CG	-0.62
Gm18	7604509	7604866 Gmdrm	hypo	CG	-0.3049
Gm18	7605989	7606106 Gmdrm	hypo	CG	-0.95
Gm18	7611567	7611601 Gmdrm	hypo	CG	-0.0467
Gm18	7612163	7612313 Gmdrm	hypo	CG	-0.755
Gm18	7656902	7657101 Gmdrm	hypo	CG	-0.9428
Gm18	7666197	7666342 Gmdrm	hypo	CG	-0.8622
Gm18	7671045	7671093 Gmdrm	hypo	CG	-0.5516
Gm18	7684100	7684157 Gmdrm	hypo	CG	-0.2899
Gm18	7692739	7692797 Gmdrm	hypo	CG	-0.9617
Gm18	7717770	7717816 Gmdrm	hypo	CG	-0.98
Gm18	7718391	7718719 Gmdrm	hypo	CG	-0.4814
Gm18	7719794	7719838 Gmdrm	hypo	CG	-0.63
Gm18	7761727	7761800 Gmdrm	hypo	CG	-0.8225
Gm18	7777481	7777589 Gmdrm	hypo	CG	-0.8112
Gm18	7794937	7795069 Gmdrm	hypo	CG	-0.194
Gm18	7805219	7805313 Gmdrm	hypo	CG	-0.0656
Gm18	7815022	7815188 Gmdrm	hypo	CG	-0.0443
Gm18	7815353	7815771 Gmdrm	hypo	CG	-0.5571
Gm18	7819442	7819725 Gmdrm	hypo	CG	-0.3796
Gm18	7822409	7822464 Gmdrm	hypo	CG	-0.038
Gm18	7850293	7850494 Gmdrm	hypo	CG	-0.7545
Gm18	7866540	7866943 Gmdrm	hypo	CG	-0.2513
Gm18	7868596	7868771 Gmdrm	hypo	CG	-0.84
Gm18	7870204	7870396 Gmdrm	hypo	CG	-0.7638
Gm18	7878371	7878701 Gmdrm	hypo	CG	-0.666
Gm18	7881007	7881022 Gmdrm	hypo	CG	-0.275
Gm18	7894619	7894813 Gmdrm	hypo	CG	-0.6391
Gm18	7924629	7924735 Gmdrm	hypo	CG	-0.3962
Gm18	7924975	7925180 Gmdrm	hypo	CG	-0.588
Gm18	7933530	7933621 Gmdrm	hypo	CG	-0.9138
Gm18	7936369	7936468 Gmdrm	hypo	CG	-0.9367
Gm18	7937818	7937894 Gmdrm	hypo	CG	-0.505
Gm18	7943672	7944129 Gmdrm	hypo	CG	-0.7743
Gm18	7944377	7944432 Gmdrm	hypo	CG	-0.5567
Gm18	7945532	7945593 Gmdrm	hypo	CG	-0.4726
Gm18	7947074	7947395 Gmdrm	hypo	CG	-0.8643
Gm18	7956661	7956808 Gmdrm	hypo	CG	-0.3415
Gm18	7967500	7967563 Gmdrm	hypo	CG	-0.2467
Gm18	7973731	7974058 Gmdrm	hypo	CG	-0.4106
Gm18	7976468	7976527 Gmdrm	hypo	CG	-0.1325
Gm18	7977050	7977234 Gmdrm	hypo	CG	-0.2176
Gm18	7995854	7996089 Gmdrm	hypo	CG	-0.45
Gm18	7998178	7998237 Gmdrm	hypo	CG	-0.5012

Gm18	8006964	8007284	Gmdrm	hypo	CG	-0.1429
Gm18	8015212	8016188	Gmdrm	hypo	CG	-0.0318
Gm18	8020984	8021240	Gmdrm	hypo	CG	-0.494
Gm18	8021547	8021915	Gmdrm	hypo	CG	-0.2171
Gm18	8022097	8022347	Gmdrm	hypo	CG	-0.4592
Gm18	8033830	8033976	Gmdrm	hypo	CG	-0.724
Gm18	8052146	8052341	Gmdrm	hypo	CG	-0.0381
Gm18	8090398	8090593	Gmdrm	hypo	CG	-0.075
Gm18	8194004	8194268	Gmdrm	hypo	CG	-0.4834
Gm18	8194396	8194433	Gmdrm	hypo	CG	-0.76
Gm18	8196743	8197009	Gmdrm	hypo	CG	-0.0757
Gm18	8208201	8208904	Gmdrm	hypo	CG	-0.0287
Gm18	8294469	8294530	Gmdrm	hypo	CG	-0.4766
Gm18	8294686	8294801	Gmdrm	hypo	CG	-0.4266
Gm18	8306182	8306356	Gmdrm	hypo	CG	-0.44
Gm18	8319216	8319350	Gmdrm	hypo	CG	-0.753
Gm18	8323636	8323808	Gmdrm	hypo	CG	-0.2567
Gm18	8325135	8325169	Gmdrm	hypo	CG	-0.7617
Gm18	8353330	8353514	Gmdrm	hypo	CG	-0.948
Gm18	8354305	8354583	Gmdrm	hypo	CG	-0.907
Gm18	8354705	8354840	Gmdrm	hypo	CG	-0.5725
Gm18	8367396	8367495	Gmdrm	hypo	CG	-0.225
Gm18	8367691	8367763	Gmdrm	hypo	CG	-0.696
Gm18	8409825	8410027	Gmdrm	hypo	CG	-0.1312
Gm18	8416146	8416477	Gmdrm	hypo	CG	-0.5963
Gm18	8423256	8423446	Gmdrm	hypo	CG	-0.9341
Gm18	8436206	8436272	Gmdrm	hypo	CG	-0.6114
Gm18	8438069	8438263	Gmdrm	hypo	CG	-0.3185
Gm18	8451822	8451968	Gmdrm	hypo	CG	-0.5988
Gm18	8452166	8452451	Gmdrm	hypo	CG	-0.6296
Gm18	8457741	8457958	Gmdrm	hypo	CG	-0.0808
Gm18	8458059	8458592	Gmdrm	hypo	CG	-0.255
Gm18	8473134	8473270	Gmdrm	hypo	CG	-0.4975
Gm18	8501752	8502729	Gmdrm	hypo	CG	-0.0357
Gm18	8514827	8514965	Gmdrm	hypo	CG	-0.0913
Gm18	8571660	8571861	Gmdrm	hypo	CG	-0.5091
Gm18	8622127	8622366	Gmdrm	hypo	CG	-0.8257
Gm18	8660721	8660854	Gmdrm	hypo	CG	-0.2563
Gm18	8663582	8663670	Gmdrm	hypo	CG	-0.1287
Gm18	8675783	8675977	Gmdrm	hypo	CG	-0.596
Gm18	8700692	8700907	Gmdrm	hypo	CG	-0.0371
Gm18	8708238	8708368	Gmdrm	hypo	CG	-0.2975
Gm18	8735114	8735280	Gmdrm	hypo	CG	-0.161
Gm18	8739501	8739514	Gmdrm	hypo	CG	-0.14
Gm18	8743015	8743042	Gmdrm	hypo	CG	-0.96
Gm18	8746864	8747238	Gmdrm	hypo	CG	-0.1017

Gm18	8747382	8747584	Gmdrm	hypo	CG	-0.1843
Gm18	8749491	8749572	Gmdrm	hypo	CG	-0.45
Gm18	8751599	8751693	Gmdrm	hypo	CG	-0.156
Gm18	8772834	8772869	Gmdrm	hypo	CG	-0.0517
Gm18	8826152	8826357	Gmdrm	hypo	CG	-0.7227
Gm18	8835211	8835357	Gmdrm	hypo	CG	-0.1154
Gm18	8842911	8842996	Gmdrm	hypo	CG	-0.6317
Gm18	8851072	8851213	Gmdrm	hypo	CG	-0.33
Gm18	8858717	8858783	Gmdrm	hypo	CG	-0.4067
Gm18	8890413	8890538	Gmdrm	hypo	CG	-0.5315
Gm18	8890788	8890978	Gmdrm	hypo	CG	-0.2689
Gm18	8891084	8891649	Gmdrm	hypo	CG	-0.3084
Gm18	8891805	8892066	Gmdrm	hypo	CG	-0.2358
Gm18	8893020	8893130	Gmdrm	hypo	CG	-0.1462
Gm18	8903248	8903307	Gmdrm	hypo	CG	-0.2075
Gm18	8936948	8937328	Gmdrm	hypo	CG	-0.033
Gm18	8941166	8941297	Gmdrm	hypo	CG	-0.2312
Gm18	8961192	8961268	Gmdrm	hypo	CG	-0.048
Gm18	8978460	8978739	Gmdrm	hypo	CG	-0.382
Gm18	8985957	8986125	Gmdrm	hypo	CG	-0.775
Gm18	8990627	8990719	Gmdrm	hypo	CG	-0.9083
Gm18	9005194	9005492	Gmdrm	hypo	CG	-0.9565
Gm18	9005620	9005781	Gmdrm	hypo	CG	-0.918
Gm18	9006541	9006606	Gmdrm	hypo	CG	-0.7133
Gm18	9018588	9018661	Gmdrm	hypo	CG	-0.2813
Gm18	9063023	9063820	Gmdrm	hypo	CG	-0.3438
Gm18	9064150	9064335	Gmdrm	hypo	CG	-0.036
Gm18	9068545	9068902	Gmdrm	hypo	CG	-0.0914
Gm18	9093708	9093898	Gmdrm	hypo	CG	-0.416
Gm18	9121304	9121447	Gmdrm	hypo	CG	-0.7713
Gm18	9136027	9136236	Gmdrm	hypo	CG	-0.3757
Gm18	9140365	9140864	Gmdrm	hypo	CG	-0.3596
Gm18	9166567	9166627	Gmdrm	hypo	CG	-0.56
Gm18	9169286	9169423	Gmdrm	hypo	CG	-0.1257
Gm18	9169936	9170097	Gmdrm	hypo	CG	-0.4758
Gm18	9185773	9185871	Gmdrm	hypo	CG	-0.122
Gm18	9185984	9186093	Gmdrm	hypo	CG	-0.3938
Gm18	9188595	9189113	Gmdrm	hypo	CG	-0.3093
Gm18	9200314	9200392	Gmdrm	hypo	CG	-0.6737
Gm18	9219016	9219140	Gmdrm	hypo	CG	-0.8563
Gm18	9227449	9227556	Gmdrm	hypo	CG	-0.5287
Gm18	9228795	9228852	Gmdrm	hypo	CG	-0.955
Gm18	9250983	9251113	Gmdrm	hypo	CG	-0.74
Gm18	9269719	9269814	Gmdrm	hypo	CG	-0.94
Gm18	9279525	9279828	Gmdrm	hypo	CG	-0.2343
Gm18	9281563	9281861	Gmdrm	hypo	CG	-0.4038

Gm18	9289779	9290007 Gmdrm	hypo	CG	-0.1
Gm18	9299067	9299429 Gmdrm	hypo	CG	-0.0375
Gm18	9317974	9318154 Gmdrm	hypo	CG	-0.9375
Gm18	9319188	9319261 Gmdrm	hypo	CG	-0.6762
Gm18	9333247	9333340 Gmdrm	hypo	CG	-0.6042
Gm18	9336311	9336525 Gmdrm	hypo	CG	-0.5431
Gm18	9358147	9358201 Gmdrm	hypo	CG	-0.4767
Gm18	9370629	9370985 Gmdrm	hypo	CG	-0.0298
Gm18	9414283	9414419 Gmdrm	hypo	CG	-0.0269
Gm18	9451220	9451315 Gmdrm	hypo	CG	-0.3285
Gm18	9459317	9459361 Gmdrm	hypo	CG	-0.4412
Gm18	9503989	9504115 Gmdrm	hypo	CG	-0.0234
Gm18	9506847	9506933 Gmdrm	hypo	CG	-0.23
Gm18	9508238	9508573 Gmdrm	hypo	CG	-0.0441
Gm18	9525389	9525731 Gmdrm	hypo	CG	-0.0607
Gm18	9527114	9527264 Gmdrm	hypo	CG	-0.022
Gm18	9529924	9530028 Gmdrm	hypo	CG	-0.0937
Gm18	9537326	9537462 Gmdrm	hypo	CG	-0.308
Gm18	9555554	9555737 Gmdrm	hypo	CG	-0.6361
Gm18	9567781	9567982 Gmdrm	hypo	CG	-0.4062
Gm18	9568880	9569011 Gmdrm	hypo	CG	-0.525
Gm18	9592922	9593011 Gmdrm	hypo	CG	-0.5117
Gm18	9623937	9623983 Gmdrm	hypo	CG	-0.5686
Gm18	9635800	9636246 Gmdrm	hypo	CG	-0.3723
Gm18	9640801	9640910 Gmdrm	hypo	CG	-0.603
Gm18	9663542	9663654 Gmdrm	hypo	CG	-0.5484
Gm18	9663755	9663910 Gmdrm	hypo	CG	-0.3667
Gm18	9671824	9671898 Gmdrm	hypo	CG	-0.6967
Gm18	9696142	9696303 Gmdrm	hypo	CG	-0.4238
Gm18	9704851	9704970 Gmdrm	hypo	CG	-0.263
Gm18	9705179	9705253 Gmdrm	hypo	CG	-0.606
Gm18	9706835	9707097 Gmdrm	hypo	CG	-0.5134
Gm18	9707398	9707520 Gmdrm	hypo	CG	-0.1383
Gm18	9716547	9716690 Gmdrm	hypo	CG	-0.3726
Gm18	9739000	9739030 Gmdrm	hypo	CG	-0.1883
Gm18	9741169	9741526 Gmdrm	hypo	CG	-0.0668
Gm18	9746920	9747091 Gmdrm	hypo	CG	-0.0417
Gm18	9753481	9753946 Gmdrm	hypo	CG	-0.0439
Gm18	9754589	9754662 Gmdrm	hypo	CG	-0.0813
Gm18	9767109	9767265 Gmdrm	hypo	CG	-0.1113
Gm18	9767636	9767697 Gmdrm	hypo	CG	-0.194
Gm18	9781752	9781957 Gmdrm	hypo	CG	-0.1975
Gm18	9783488	9783581 Gmdrm	hypo	CG	-0.955
Gm18	9789585	9789664 Gmdrm	hypo	CG	-0.9817
Gm18	9834791	9834844 Gmdrm	hypo	CG	-0.06
Gm18	9843444	9843691 Gmdrm	hypo	CG	-0.9137

Gm18	9849015	9849187 Gmdrm	hypo	CG	-0.6099
Gm18	9851379	9851455 Gmdrm	hypo	CG	-0.9337
Gm18	9860493	9860655 Gmdrm	hypo	CG	-0.5167
Gm18	9861243	9861507 Gmdrm	hypo	CG	-0.0705
Gm18	9868364	9869052 Gmdrm	hypo	CG	-0.1489
Gm18	9872503	9873100 Gmdrm	hypo	CG	-0.0893
Gm18	9880726	9880876 Gmdrm	hypo	CG	-0.505
Gm18	9914107	9914444 Gmdrm	hypo	CG	-0.3523
Gm18	9923900	9924051 Gmdrm	hypo	CG	-0.284
Gm18	9924165	9924429 Gmdrm	hypo	CG	-0.0447
Gm18	9953688	9954393 Gmdrm	hypo	CG	-0.086
Gm18	9970395	9970504 Gmdrm	hypo	CG	-0.0634
Gm18	9979186	9979296 Gmdrm	hypo	CG	-0.585
Gm18	9989688	9990295 Gmdrm	hypo	CG	-0.0544
Gm18	9991608	9991723 Gmdrm	hypo	CG	-0.6433
Gm18	9991938	9992228 Gmdrm	hypo	CG	-0.977
Gm18	9992608	9992971 Gmdrm	hypo	CG	-0.5063
Gm18	9996616	9996940 Gmdrm	hypo	CG	-0.0434
Gm18	10041340	10041594 Gmdrm	hypo	CG	-0.0429
Gm18	10108547	10108584 Gmdrm	hypo	CG	-0.59
Gm18	10112425	10112620 Gmdrm	hypo	CG	-0.526
Gm18	10117549	10117663 Gmdrm	hypo	CG	-0.3767
Gm18	10121088	10121790 Gmdrm	hypo	CG	-0.0333
Gm18	10168162	10168282 Gmdrm	hypo	CG	-0.08
Gm18	10169367	10169540 Gmdrm	hypo	CG	-0.591
Gm18	10181470	10181567 Gmdrm	hypo	CG	-0.7
Gm18	10204075	10204486 Gmdrm	hypo	CG	-0.4072
Gm18	10208180	10208344 Gmdrm	hypo	CG	-0.1614
Gm18	10219973	10220262 Gmdrm	hypo	CG	-0.2513
Gm18	10232931	10233000 Gmdrm	hypo	CG	-0.0517
Gm18	10268936	10269116 Gmdrm	hypo	CG	-0.0305
Gm18	10279004	10279175 Gmdrm	hypo	CG	-0.1672
Gm18	10284272	10284391 Gmdrm	hypo	CG	-0.1542
Gm18	10371102	10371178 Gmdrm	hypo	CG	-0.701
Gm18	10372984	10373328 Gmdrm	hypo	CG	-0.7707
Gm18	10385526	10385655 Gmdrm	hypo	CG	-0.754
Gm18	10400521	10400549 Gmdrm	hypo	CG	-0.3283
Gm18	10416639	10416807 Gmdrm	hypo	CG	-0.5623
Gm18	10504658	10504689 Gmdrm	hypo	CG	-0.765
Gm18	10526785	10526988 Gmdrm	hypo	CG	-0.0578
Gm18	10544706	10544749 Gmdrm	hypo	CG	-0.17
Gm18	10551000	10551203 Gmdrm	hypo	CG	-0.1014
Gm18	10551441	10551476 Gmdrm	hypo	CG	-0.975
Gm18	10551632	10551758 Gmdrm	hypo	CG	-0.985
Gm18	10602055	10602076 Gmdrm	hypo	CG	-0.9367
Gm18	10631868	10632227 Gmdrm	hypo	CG	-0.2506

Gm18	10688738	10688973	Gmdrm	hypo	CG	-0.4764
Gm18	10712601	10712642	Gmdrm	hypo	CG	-0.8366
Gm18	10728770	10728826	Gmdrm	hypo	CG	-0.4374
Gm18	10729101	10729474	Gmdrm	hypo	CG	-0.3171
Gm18	10730287	10730508	Gmdrm	hypo	CG	-0.4815
Gm18	10730796	10731004	Gmdrm	hypo	CG	-0.7379
Gm18	10738296	10738445	Gmdrm	hypo	CG	-0.5212
Gm18	10744460	10744532	Gmdrm	hypo	CG	-0.9349
Gm18	10750898	10750954	Gmdrm	hypo	CG	-0.6964
Gm18	10761811	10762021	Gmdrm	hypo	CG	-0.35
Gm18	10813083	10813235	Gmdrm	hypo	CG	-0.82
Gm18	10855340	10855492	Gmdrm	hypo	CG	-0.3743
Gm18	10863188	10863212	Gmdrm	hypo	CG	-0.2583
Gm18	10863802	10863941	Gmdrm	hypo	CG	-0.5475
Gm18	10872614	10872706	Gmdrm	hypo	CG	-0.8488
Gm18	10905884	10905971	Gmdrm	hypo	CG	-0.545
Gm18	10907648	10907728	Gmdrm	hypo	CG	-0.251
Gm18	10937364	10937727	Gmdrm	hypo	CG	-0.0513
Gm18	10956646	10956707	Gmdrm	hypo	CG	-0.06
Gm18	11053044	11053235	Gmdrm	hypo	CG	-0.9693
Gm18	11053841	11053879	Gmdrm	hypo	CG	-0.975
Gm18	11055917	11056017	Gmdrm	hypo	CG	-0.602
Gm18	11057189	11057262	Gmdrm	hypo	CG	-0.182
Gm18	11066554	11066767	Gmdrm	hypo	CG	-0.365
Gm18	11129043	11129141	Gmdrm	hypo	CG	-0.1108
Gm18	11131056	11131234	Gmdrm	hypo	CG	-0.086
Gm18	11140808	11140876	Gmdrm	hypo	CG	-0.065
Gm18	11169512	11169647	Gmdrm	hypo	CG	-0.8192
Gm18	11195120	11195255	Gmdrm	hypo	CG	-0.4762
Gm18	11196712	11197200	Gmdrm	hypo	CG	-0.585
Gm18	11201249	11201451	Gmdrm	hypo	CG	-0.045
Gm18	11202901	11203047	Gmdrm	hypo	CG	-0.0586
Gm18	11217705	11217872	Gmdrm	hypo	CG	-0.6328
Gm18	11240053	11240213	Gmdrm	hypo	CG	-0.2767
Gm18	11255803	11256315	Gmdrm	hypo	CG	-0.3916
Gm18	11280200	11280396	Gmdrm	hypo	CG	-0.23
Gm18	11326463	11326507	Gmdrm	hypo	CG	-0.145
Gm18	11326650	11326812	Gmdrm	hypo	CG	-0.25
Gm18	11327025	11327104	Gmdrm	hypo	CG	-0.95
Gm18	11339696	11339753	Gmdrm	hypo	CG	-0.545
Gm18	11357249	11357369	Gmdrm	hypo	CG	-0.806
Gm18	11400356	11400500	Gmdrm	hypo	CG	-0.0429
Gm18	11408390	11408532	Gmdrm	hypo	CG	-0.2117
Gm18	11408634	11408952	Gmdrm	hypo	CG	-0.3513
Gm18	11409126	11409179	Gmdrm	hypo	CG	-0.53
Gm18	11413481	11413508	Gmdrm	hypo	CG	-0.9533

Gm18	11433426	11433529	Gmdrm	hypo	CG	-0.945
Gm18	11467233	11467312	Gmdrm	hypo	CG	-0.435
Gm18	11467580	11467625	Gmdrm	hypo	CG	-0.5217
Gm18	11483525	11483792	Gmdrm	hypo	CG	-0.2509
Gm18	11501746	11502240	Gmdrm	hypo	CG	-0.0336
Gm18	11506243	11506329	Gmdrm	hypo	CG	-0.08
Gm18	11513910	11514066	Gmdrm	hypo	CG	-0.3844
Gm18	11514178	11514383	Gmdrm	hypo	CG	-0.5012
Gm18	11580066	11580084	Gmdrm	hypo	CG	-0.8217
Gm18	11580886	11580971	Gmdrm	hypo	CG	-0.7417
Gm18	11581253	11581366	Gmdrm	hypo	CG	-0.885
Gm18	11581494	11581537	Gmdrm	hypo	CG	-0.8166
Gm18	11617539	11617590	Gmdrm	hypo	CG	-0.0725
Gm18	11639134	11639226	Gmdrm	hypo	CG	-0.3433
Gm18	11643477	11643599	Gmdrm	hypo	CG	-0.5762
Gm18	11658672	11659081	Gmdrm	hypo	CG	-0.0456
Gm18	11669176	11669275	Gmdrm	hypo	CG	-0.8725
Gm18	11712609	11712705	Gmdrm	hypo	CG	-0.1499
Gm18	11779282	11779760	Gmdrm	hypo	CG	-0.0462
Gm18	11788065	11788878	Gmdrm	hypo	CG	-0.0193
Gm18	11801951	11802050	Gmdrm	hypo	CG	-0.0749
Gm18	11848732	11849496	Gmdrm	hypo	CG	-0.1522
Gm18	11858176	11858291	Gmdrm	hypo	CG	-0.6833
Gm18	11872190	11872343	Gmdrm	hypo	CG	-0.0375
Gm18	11883434	11883518	Gmdrm	hypo	CG	-0.5788
Gm18	11883664	11884028	Gmdrm	hypo	CG	-0.5757
Gm18	11884203	11884373	Gmdrm	hypo	CG	-0.6499
Gm18	11918216	11918700	Gmdrm	hypo	CG	-0.4018
Gm18	11930504	11930670	Gmdrm	hypo	CG	-0.0567
Gm18	11931201	11931280	Gmdrm	hypo	CG	-0.2983
Gm18	11956580	11956687	Gmdrm	hypo	CG	-0.6486
Gm18	11980650	11980848	Gmdrm	hypo	CG	-0.501
Gm18	11985183	11985222	Gmdrm	hypo	CG	-0.0967
Gm18	11989494	11989951	Gmdrm	hypo	CG	-0.4152
Gm18	12005160	12005498	Gmdrm	hypo	CG	-0.8142
Gm18	12017841	12018379	Gmdrm	hypo	CG	-0.2545
Gm18	12023989	12024119	Gmdrm	hypo	CG	-0.8211
Gm18	12024363	12024395	Gmdrm	hypo	CG	-0.5734
Gm18	12042913	12042977	Gmdrm	hypo	CG	-0.138
Gm18	12044201	12044310	Gmdrm	hypo	CG	-0.9351
Gm18	12047495	12047536	Gmdrm	hypo	CG	-0.255
Gm18	12060456	12060991	Gmdrm	hypo	CG	-0.0574
Gm18	12081756	12081898	Gmdrm	hypo	CG	-0.6183
Gm18	12082444	12082575	Gmdrm	hypo	CG	-0.285
Gm18	12089935	12090119	Gmdrm	hypo	CG	-0.3672
Gm18	12103781	12103878	Gmdrm	hypo	CG	-0.57

Gm18	12104901	12104918	Gmdrm	hypo	CG	-0.2633
Gm18	12107217	12107478	Gmdrm	hypo	CG	-0.8462
Gm18	12112169	12112428	Gmdrm	hypo	CG	-0.0718
Gm18	12114627	12115480	Gmdrm	hypo	CG	-0.028
Gm18	12148833	12149063	Gmdrm	hypo	CG	-0.6482
Gm18	12150782	12150884	Gmdrm	hypo	CG	-0.0716
Gm18	12167486	12167574	Gmdrm	hypo	CG	-0.766
Gm18	12208742	12208796	Gmdrm	hypo	CG	-0.074
Gm18	12215454	12215617	Gmdrm	hypo	CG	-0.0788
Gm18	12250115	12250264	Gmdrm	hypo	CG	-0.6983
Gm18	12250577	12250621	Gmdrm	hypo	CG	-0.559
Gm18	12251157	12251342	Gmdrm	hypo	CG	-0.6862
Gm18	12274186	12274315	Gmdrm	hypo	CG	-0.04
Gm18	12281987	12282216	Gmdrm	hypo	CG	-0.9309
Gm18	12282545	12282704	Gmdrm	hypo	CG	-0.1959
Gm18	12284254	12284419	Gmdrm	hypo	CG	-0.4767
Gm18	12296584	12296668	Gmdrm	hypo	CG	-0.604
Gm18	12302043	12302123	Gmdrm	hypo	CG	-0.0181
Gm18	12309190	12309422	Gmdrm	hypo	CG	-0.0142
Gm18	12337142	12337239	Gmdrm	hypo	CG	-0.1617
Gm18	12470442	12470646	Gmdrm	hypo	CG	-0.553
Gm18	12502976	12503085	Gmdrm	hypo	CG	-0.872
Gm18	12560315	12560446	Gmdrm	hypo	CG	-0.83
Gm18	12624576	12624623	Gmdrm	hypo	CG	-0.9089
Gm18	12625870	12626065	Gmdrm	hypo	CG	-0.2968
Gm18	12743421	12743577	Gmdrm	hypo	CG	-0.82
Gm18	12757075	12757150	Gmdrm	hypo	CG	-0.71
Gm18	12806520	12806746	Gmdrm	hypo	CG	-0.24
Gm18	12810160	12810370	Gmdrm	hypo	CG	-0.6333
Gm18	12814143	12814408	Gmdrm	hypo	CG	-0.0383
Gm18	12826558	12827418	Gmdrm	hypo	CG	-0.0378
Gm18	12833143	12833255	Gmdrm	hypo	CG	-0.6334
Gm18	12897273	12897457	Gmdrm	hypo	CG	-0.096
Gm18	12909820	12910171	Gmdrm	hypo	CG	-0.2488
Gm18	12910458	12910532	Gmdrm	hypo	CG	-0.6475
Gm18	12911443	12911659	Gmdrm	hypo	CG	-0.6817
Gm18	13049286	13049415	Gmdrm	hypo	CG	-0.5375
Gm18	13068284	13068414	Gmdrm	hypo	CG	-0.7213
Gm18	13068752	13068934	Gmdrm	hypo	CG	-0.4409
Gm18	13115644	13116172	Gmdrm	hypo	CG	-0.0528
Gm18	13120373	13120640	Gmdrm	hypo	CG	-0.2438
Gm18	13134632	13134760	Gmdrm	hypo	CG	-0.1923
Gm18	13135335	13135736	Gmdrm	hypo	CG	-0.348
Gm18	13142338	13142782	Gmdrm	hypo	CG	-0.0548
Gm18	13171928	13172190	Gmdrm	hypo	CG	-0.1254
Gm18	13181025	13181182	Gmdrm	hypo	CG	-0.6245

Gm18	13206403	13206651	Gmdrm	hypo	CG	-0.3372
Gm18	13222336	13222418	Gmdrm	hypo	CG	-0.73
Gm18	13222533	13222608	Gmdrm	hypo	CG	-0.6575
Gm18	13222755	13222900	Gmdrm	hypo	CG	-0.4919
Gm18	13223301	13224026	Gmdrm	hypo	CG	-0.85
Gm18	13248693	13248830	Gmdrm	hypo	CG	-0.6325
Gm18	13254144	13254285	Gmdrm	hypo	CG	-0.7372
Gm18	13316507	13316556	Gmdrm	hypo	CG	-0.3634
Gm18	13345169	13345401	Gmdrm	hypo	CG	-0.0518
Gm18	13379857	13380028	Gmdrm	hypo	CG	-0.263
Gm18	13381483	13381552	Gmdrm	hypo	CG	-0.604
Gm18	13455848	13456044	Gmdrm	hypo	CG	-0.345
Gm18	13482720	13483073	Gmdrm	hypo	CG	-0.1629
Gm18	13544125	13544202	Gmdrm	hypo	CG	-0.318
Gm18	13547090	13547200	Gmdrm	hypo	CG	-0.836
Gm18	13557001	13557060	Gmdrm	hypo	CG	-0.0925
Gm18	13582805	13582986	Gmdrm	hypo	CG	-0.0605
Gm18	13614069	13614153	Gmdrm	hypo	CG	-0.798
Gm18	13669675	13669908	Gmdrm	hypo	CG	-0.0647
Gm18	13689074	13689118	Gmdrm	hypo	CG	-0.0683
Gm18	13693236	13693456	Gmdrm	hypo	CG	-0.7012
Gm18	13717201	13717255	Gmdrm	hypo	CG	-0.0775
Gm18	13721119	13721182	Gmdrm	hypo	CG	-0.234
Gm18	13723018	13723213	Gmdrm	hypo	CG	-0.862
Gm18	13723698	13724013	Gmdrm	hypo	CG	-0.3572
Gm18	13724122	13724155	Gmdrm	hypo	CG	-0.1833
Gm18	13724775	13724819	Gmdrm	hypo	CG	-0.405
Gm18	13733999	13734196	Gmdrm	hypo	CG	-0.313
Gm18	13739685	13740028	Gmdrm	hypo	CG	-0.0555
Gm18	13741768	13741895	Gmdrm	hypo	CG	-0.0886
Gm18	13772025	13772431	Gmdrm	hypo	CG	-0.0371
Gm18	13833778	13833888	Gmdrm	hypo	CG	-0.5733
Gm18	13910856	13911041	Gmdrm	hypo	CG	-0.318
Gm18	13964037	13964083	Gmdrm	hypo	CG	-0.6349
Gm18	13965289	13965331	Gmdrm	hypo	CG	-0.9033
Gm18	14004232	14004266	Gmdrm	hypo	CG	-0.5525
Gm18	14016728	14017088	Gmdrm	hypo	CG	-0.4633
Gm18	14055858	14056044	Gmdrm	hypo	CG	-0.4875
Gm18	14108923	14109253	Gmdrm	hypo	CG	-0.0863
Gm18	14174939	14175068	Gmdrm	hypo	CG	-0.545
Gm18	14175925	14176080	Gmdrm	hypo	CG	-0.1013
Gm18	14188532	14188638	Gmdrm	hypo	CG	-0.7334
Gm18	14189716	14189748	Gmdrm	hypo	CG	-0.0637
Gm18	14231862	14231971	Gmdrm	hypo	CG	-0.3433
Gm18	14233929	14234155	Gmdrm	hypo	CG	-0.0393
Gm18	14235224	14235409	Gmdrm	hypo	CG	-0.0592

Gm18	14275889	14276063	Gmdrm	hypo	CG	-0.2967
Gm18	14276251	14276280	Gmdrm	hypo	CG	-0.4917
Gm18	14313792	14313845	Gmdrm	hypo	CG	-0.9566
Gm18	14377011	14377121	Gmdrm	hypo	CG	-0.625
Gm18	14378266	14378405	Gmdrm	hypo	CG	-0.8366
Gm18	14379739	14379851	Gmdrm	hypo	CG	-0.7587
Gm18	14380917	14381088	Gmdrm	hypo	CG	-0.464
Gm18	14389129	14389244	Gmdrm	hypo	CG	-0.1483
Gm18	14416174	14416257	Gmdrm	hypo	CG	-0.08
Gm18	14465329	14466175	Gmdrm	hypo	CG	-0.0267
Gm18	14506579	14506842	Gmdrm	hypo	CG	-0.6763
Gm18	14517028	14517545	Gmdrm	hypo	CG	-0.0914
Gm18	14538068	14538171	Gmdrm	hypo	CG	-0.556
Gm18	14539870	14540081	Gmdrm	hypo	CG	-0.375
Gm18	14565752	14565826	Gmdrm	hypo	CG	-0.0567
Gm18	14575630	14575799	Gmdrm	hypo	CG	-0.4364
Gm18	14575968	14576246	Gmdrm	hypo	CG	-0.6856
Gm18	14598274	14598430	Gmdrm	hypo	CG	-0.0437
Gm18	14609981	14610029	Gmdrm	hypo	CG	-0.312
Gm18	14615486	14615553	Gmdrm	hypo	CG	-0.0484
Gm18	14679319	14679497	Gmdrm	hypo	CG	-0.7516
Gm18	14706823	14706952	Gmdrm	hypo	CG	-0.0657
Gm18	14713961	14714148	Gmdrm	hypo	CG	-0.3175
Gm18	14729608	14729705	Gmdrm	hypo	CG	-0.8538
Gm18	14749306	14749844	Gmdrm	hypo	CG	-0.2987
Gm18	14755065	14755251	Gmdrm	hypo	CG	-0.715
Gm18	14771085	14771250	Gmdrm	hypo	CG	-0.082
Gm18	14797484	14797569	Gmdrm	hypo	CG	-0.53
Gm18	14826277	14826372	Gmdrm	hypo	CG	-0.905
Gm18	14899580	14899681	Gmdrm	hypo	CG	-0.6538
Gm18	14907329	14908209	Gmdrm	hypo	CG	-0.0431
Gm18	14911565	14911699	Gmdrm	hypo	CG	-0.687
Gm18	15004357	15004678	Gmdrm	hypo	CG	-0.041
Gm18	15005319	15005594	Gmdrm	hypo	CG	-0.055
Gm18	15011111	15011131	Gmdrm	hypo	CG	-0.124
Gm18	15016141	15016263	Gmdrm	hypo	CG	-0.1
Gm18	15023069	15023155	Gmdrm	hypo	CG	-0.9038
Gm18	15023947	15023972	Gmdrm	hypo	CG	-0.1083
Gm18	15063185	15063284	Gmdrm	hypo	CG	-0.7888
Gm18	15064175	15064201	Gmdrm	hypo	CG	-0.2116
Gm18	15065107	15065125	Gmdrm	hypo	CG	-0.115
Gm18	15072090	15072262	Gmdrm	hypo	CG	-0.0732
Gm18	15085636	15085753	Gmdrm	hypo	CG	-0.585
Gm18	15107840	15108005	Gmdrm	hypo	CG	-0.5784
Gm18	15116586	15116822	Gmdrm	hypo	CG	-0.03
Gm18	15119142	15119195	Gmdrm	hypo	CG	-0.08

Gm18	15165237	15165547 Gmdrm	hypo	CG	-0.5644
Gm18	15166683	15166859 Gmdrm	hypo	CG	-0.1486
Gm18	15167090	15167254 Gmdrm	hypo	CG	-0.7891
Gm18	15182770	15183502 Gmdrm	hypo	CG	-0.2589
Gm18	15205822	15206250 Gmdrm	hypo	CG	-0.0398
Gm18	15222731	15223117 Gmdrm	hypo	CG	-0.2862
Gm18	15223244	15223294 Gmdrm	hypo	CG	-0.9183
Gm18	15263713	15263784 Gmdrm	hypo	CG	-0.4683
Gm18	15370662	15370717 Gmdrm	hypo	CG	-0.2713
Gm18	15496729	15496807 Gmdrm	hypo	CG	-0.0684
Gm18	15519906	15520065 Gmdrm	hypo	CG	-0.2825
Gm18	15521050	15521195 Gmdrm	hypo	CG	-0.1275
Gm18	15562474	15562573 Gmdrm	hypo	CG	-0.125
Gm18	15573862	15574051 Gmdrm	hypo	CG	-0.2027
Gm18	15576922	15577017 Gmdrm	hypo	CG	-0.45
Gm18	15577626	15577857 Gmdrm	hypo	CG	-0.3389
Gm18	15577983	15578037 Gmdrm	hypo	CG	-0.2933
Gm18	15579729	15579967 Gmdrm	hypo	CG	-0.6656
Gm18	15584160	15584261 Gmdrm	hypo	CG	-0.6067
Gm18	15585469	15585534 Gmdrm	hypo	CG	-0.5809
Gm18	15608836	15608901 Gmdrm	hypo	CG	-0.0508
Gm18	15686584	15686903 Gmdrm	hypo	CG	-0.1235
Gm18	15697568	15697652 Gmdrm	hypo	CG	-0.7183
Gm18	15702664	15702906 Gmdrm	hypo	CG	-0.1006
Gm18	15719840	15719860 Gmdrm	hypo	CG	-0.4383
Gm18	15720260	15720377 Gmdrm	hypo	CG	-0.154
Gm18	15816739	15816967 Gmdrm	hypo	CG	-0.1181
Gm18	15835136	15835322 Gmdrm	hypo	CG	-0.3928
Gm18	15913973	15914069 Gmdrm	hypo	CG	-0.93
Gm18	15922149	15922213 Gmdrm	hypo	CG	-0.095
Gm18	15929408	15929689 Gmdrm	hypo	CG	-0.0401
Gm18	15930850	15930988 Gmdrm	hypo	CG	-0.5225
Gm18	15957182	15957234 Gmdrm	hypo	CG	-0.545
Gm18	15973225	15973278 Gmdrm	hypo	CG	-0.1475
Gm18	15984074	15984174 Gmdrm	hypo	CG	-0.7816
Gm18	15986893	15987041 Gmdrm	hypo	CG	-0.9551
Gm18	15989675	15989930 Gmdrm	hypo	CG	-0.7735
Gm18	15990211	15990379 Gmdrm	hypo	CG	-0.8262
Gm18	15995565	15995659 Gmdrm	hypo	CG	-0.114
Gm18	15997602	15997866 Gmdrm	hypo	CG	-0.4782
Gm18	15998013	15998175 Gmdrm	hypo	CG	-0.77
Gm18	16072440	16072685 Gmdrm	hypo	CG	-0.7705
Gm18	16075554	16075583 Gmdrm	hypo	CG	-0.7317
Gm18	16099544	16099793 Gmdrm	hypo	CG	-0.0273
Gm18	16133683	16134381 Gmdrm	hypo	CG	-0.0193
Gm18	16207037	16207125 Gmdrm	hypo	CG	-0.3483

Gm18	16233276	16233499	Gmdrm	hypo	CG	-0.5918
Gm18	16234880	16235681	Gmdrm	hypo	CG	-0.0495
Gm18	16239039	16239183	Gmdrm	hypo	CG	-0.4658
Gm18	16239654	16239779	Gmdrm	hypo	CG	-0.4
Gm18	16240789	16240977	Gmdrm	hypo	CG	-0.1775
Gm18	16241366	16241629	Gmdrm	hypo	CG	-0.0717
Gm18	16262615	16262755	Gmdrm	hypo	CG	-0.243
Gm18	16296840	16297217	Gmdrm	hypo	CG	-0.2759
Gm18	16301794	16301885	Gmdrm	hypo	CG	-0.9
Gm18	16314889	16315061	Gmdrm	hypo	CG	-0.549
Gm18	16346061	16346174	Gmdrm	hypo	CG	-0.0516
Gm18	16347212	16347494	Gmdrm	hypo	CG	-0.3934
Gm18	16397080	16397315	Gmdrm	hypo	CG	-0.05
Gm18	16401440	16401544	Gmdrm	hypo	CG	-0.5962
Gm18	16411851	16411952	Gmdrm	hypo	CG	-0.927
Gm18	16413470	16413904	Gmdrm	hypo	CG	-0.0822
Gm18	16430344	16430527	Gmdrm	hypo	CG	-0.7031
Gm18	16437061	16437341	Gmdrm	hypo	CG	-0.0516
Gm18	16550869	16551041	Gmdrm	hypo	CG	-0.119
Gm18	16627455	16627646	Gmdrm	hypo	CG	-0.8771
Gm18	16627880	16628179	Gmdrm	hypo	CG	-0.871
Gm18	16639298	16639347	Gmdrm	hypo	CG	-0.8863
Gm18	16643324	16643511	Gmdrm	hypo	CG	-0.2791
Gm18	16644960	16645049	Gmdrm	hypo	CG	-0.5983
Gm18	16655859	16655889	Gmdrm	hypo	CG	-0.94
Gm18	16657844	16658025	Gmdrm	hypo	CG	-0.8371
Gm18	16658219	16658479	Gmdrm	hypo	CG	-0.2547
Gm18	16668053	16668087	Gmdrm	hypo	CG	-0.0917
Gm18	16680768	16680872	Gmdrm	hypo	CG	-0.2654
Gm18	16681434	16681600	Gmdrm	hypo	CG	-0.722
Gm18	16681798	16682071	Gmdrm	hypo	CG	-0.357
Gm18	16694736	16694883	Gmdrm	hypo	CG	-0.54
Gm18	16719430	16719555	Gmdrm	hypo	CG	-0.5657
Gm18	16754458	16754558	Gmdrm	hypo	CG	-0.0778
Gm18	16776231	16776320	Gmdrm	hypo	CG	-0.07
Gm18	16815122	16815152	Gmdrm	hypo	CG	-0.06
Gm18	16846840	16846944	Gmdrm	hypo	CG	-0.6583
Gm18	16847364	16847546	Gmdrm	hypo	CG	-0.89
Gm18	16871798	16871949	Gmdrm	hypo	CG	-0.1658
Gm18	16875382	16875520	Gmdrm	hypo	CG	-0.8384
Gm18	16894981	16895261	Gmdrm	hypo	CG	-0.045
Gm18	16947907	16948318	Gmdrm	hypo	CG	-0.0738
Gm18	16968188	16968404	Gmdrm	hypo	CG	-0.0605
Gm18	17019597	17020201	Gmdrm	hypo	CG	-0.0372
Gm18	17093794	17093909	Gmdrm	hypo	CG	-0.796
Gm18	17129940	17130019	Gmdrm	hypo	CG	-0.0562

Gm18	17149368	17149629	Gmdrm	hypo	CG	-0.1596
Gm18	17163026	17163134	Gmdrm	hypo	CG	-0.0623
Gm18	17164519	17164537	Gmdrm	hypo	CG	-0.102
Gm18	17179976	17180232	Gmdrm	hypo	CG	-0.41
Gm18	17199736	17200029	Gmdrm	hypo	CG	-0.3069
Gm18	17211426	17211671	Gmdrm	hypo	CG	-0.098
Gm18	17213818	17214390	Gmdrm	hypo	CG	-0.0431
Gm18	17222816	17223073	Gmdrm	hypo	CG	-0.6316
Gm18	17224019	17224333	Gmdrm	hypo	CG	-0.0866
Gm18	17284013	17284123	Gmdrm	hypo	CG	-0.558
Gm18	17284483	17284586	Gmdrm	hypo	CG	-0.1043
Gm18	17292512	17292670	Gmdrm	hypo	CG	-0.39
Gm18	17292931	17293106	Gmdrm	hypo	CG	-0.379
Gm18	17299579	17299883	Gmdrm	hypo	CG	-0.0684
Gm18	17349516	17349531	Gmdrm	hypo	CG	-0.0966
Gm18	17377418	17378404	Gmdrm	hypo	CG	-0.0349
Gm18	17567316	17567613	Gmdrm	hypo	CG	-0.0247
Gm18	17685401	17685507	Gmdrm	hypo	CG	-0.93
Gm18	17685614	17685743	Gmdrm	hypo	CG	-0.6483
Gm18	17686182	17686535	Gmdrm	hypo	CG	-0.5193
Gm18	17686859	17686976	Gmdrm	hypo	CG	-0.745
Gm18	17707232	17707452	Gmdrm	hypo	CG	-0.365
Gm18	17805026	17805529	Gmdrm	hypo	CG	-0.0545
Gm18	17822413	17822502	Gmdrm	hypo	CG	-0.6783
Gm18	17827926	17828367	Gmdrm	hypo	CG	-0.5132
Gm18	17847501	17847672	Gmdrm	hypo	CG	-0.6457
Gm18	17924306	17924763	Gmdrm	hypo	CG	-0.0562
Gm18	17941564	17942273	Gmdrm	hypo	CG	-0.05
Gm18	17965934	17966173	Gmdrm	hypo	CG	-0.0446
Gm18	17973813	17973845	Gmdrm	hypo	CG	-0.0999
Gm18	18072210	18072321	Gmdrm	hypo	CG	-0.2657
Gm18	18072851	18072942	Gmdrm	hypo	CG	-0.585
Gm18	18126906	18127223	Gmdrm	hypo	CG	-0.046
Gm18	18173981	18174119	Gmdrm	hypo	CG	-0.5499
Gm18	18181887	18181941	Gmdrm	hypo	CG	-0.456
Gm18	18224390	18224552	Gmdrm	hypo	CG	-0.1225
Gm18	18226603	18226723	Gmdrm	hypo	CG	-0.4717
Gm18	18236515	18236615	Gmdrm	hypo	CG	-0.67
Gm18	18262407	18262509	Gmdrm	hypo	CG	-0.48
Gm18	18360447	18360618	Gmdrm	hypo	CG	-0.06
Gm18	18384160	18384261	Gmdrm	hypo	CG	-0.0928
Gm18	18386485	18386738	Gmdrm	hypo	CG	-0.3
Gm18	18392071	18392276	Gmdrm	hypo	CG	-0.0383
Gm18	18426539	18426555	Gmdrm	hypo	CG	-0.5613
Gm18	18440042	18440353	Gmdrm	hypo	CG	-0.8129
Gm18	18440552	18440806	Gmdrm	hypo	CG	-0.7481

Gm18	18451983	18452167	Gmdrm	hypo	CG	-0.4088
Gm18	18453342	18453860	Gmdrm	hypo	CG	-0.5165
Gm18	18476438	18476563	Gmdrm	hypo	CG	-0.106
Gm18	18485829	18486363	Gmdrm	hypo	CG	-0.0866
Gm18	18515148	18515187	Gmdrm	hypo	CG	-0.0966
Gm18	18525203	18525302	Gmdrm	hypo	CG	-0.07
Gm18	18530024	18530136	Gmdrm	hypo	CG	-0.5613
Gm18	18535098	18535283	Gmdrm	hypo	CG	-0.2856
Gm18	18536140	18536235	Gmdrm	hypo	CG	-0.195
Gm18	18544744	18545142	Gmdrm	hypo	CG	-0.1514
Gm18	18562197	18562275	Gmdrm	hypo	CG	-0.0944
Gm18	18567115	18567217	Gmdrm	hypo	CG	-0.146
Gm18	18573169	18573599	Gmdrm	hypo	CG	-0.1482
Gm18	18573966	18574029	Gmdrm	hypo	CG	-0.2067
Gm18	18574921	18574991	Gmdrm	hypo	CG	-0.2812
Gm18	18576137	18576321	Gmdrm	hypo	CG	-0.19
Gm18	18578690	18578972	Gmdrm	hypo	CG	-0.0982
Gm18	18579118	18579186	Gmdrm	hypo	CG	-0.5883
Gm18	18580426	18580528	Gmdrm	hypo	CG	-0.8643
Gm18	18580716	18580921	Gmdrm	hypo	CG	-0.9614
Gm18	18584678	18585244	Gmdrm	hypo	CG	-0.0576
Gm18	18586444	18587441	Gmdrm	hypo	CG	-0.1241
Gm18	18587511	18587698	Gmdrm	hypo	CG	-0.6414
Gm18	18587826	18588007	Gmdrm	hypo	CG	-0.297
Gm18	18614758	18614940	Gmdrm	hypo	CG	-0.6383
Gm18	18618955	18618971	Gmdrm	hypo	CG	-0.5816
Gm18	18669249	18669878	Gmdrm	hypo	CG	-0.0309
Gm18	18719708	18720120	Gmdrm	hypo	CG	-0.0571
Gm18	18820975	18821170	Gmdrm	hypo	CG	-0.688
Gm18	18825142	18825342	Gmdrm	hypo	CG	-0.036
Gm18	18834228	18834473	Gmdrm	hypo	CG	-0.6
Gm18	18856504	18856604	Gmdrm	hypo	CG	-0.1157
Gm18	18859918	18860473	Gmdrm	hypo	CG	-0.0313
Gm18	18961300	18961446	Gmdrm	hypo	CG	-0.2391
Gm18	18970291	18970479	Gmdrm	hypo	CG	-0.6967
Gm18	18975396	18975706	Gmdrm	hypo	CG	-0.6084
Gm18	18981813	18982053	Gmdrm	hypo	CG	-0.6938
Gm18	18989213	18989370	Gmdrm	hypo	CG	-0.8638
Gm18	19039616	19039739	Gmdrm	hypo	CG	-0.0557
Gm18	19127388	19127542	Gmdrm	hypo	CG	-0.5237
Gm18	19147935	19148297	Gmdrm	hypo	CG	-0.5152
Gm18	19152628	19152776	Gmdrm	hypo	CG	-0.7225
Gm18	19153024	19153213	Gmdrm	hypo	CG	-0.6638
Gm18	19181554	19181885	Gmdrm	hypo	CG	-0.5992
Gm18	19331489	19331923	Gmdrm	hypo	CG	-0.0258
Gm18	19336292	19337284	Gmdrm	hypo	CG	-0.166

Gm18	19339349	19339384	Gmdrm	hypo	CG	-0.4983
Gm18	19344965	19345044	Gmdrm	hypo	CG	-0.12
Gm18	19369549	19369660	Gmdrm	hypo	CG	-0.425
Gm18	19370275	19370521	Gmdrm	hypo	CG	-0.0973
Gm18	19370674	19370860	Gmdrm	hypo	CG	-0.55
Gm18	19376384	19376497	Gmdrm	hypo	CG	-0.432
Gm18	19376857	19376955	Gmdrm	hypo	CG	-0.0976
Gm18	19424227	19424825	Gmdrm	hypo	CG	-0.0412
Gm18	19442166	19443164	Gmdrm	hypo	CG	-0.0243
Gm18	19446465	19447421	Gmdrm	hypo	CG	-0.0301
Gm18	19470876	19471398	Gmdrm	hypo	CG	-0.0742
Gm18	19589551	19589882	Gmdrm	hypo	CG	-0.0523
Gm18	19598496	19598575	Gmdrm	hypo	CG	-0.2717
Gm18	19600318	19600457	Gmdrm	hypo	CG	-0.482
Gm18	19603306	19603481	Gmdrm	hypo	CG	-0.26
Gm18	19607615	19607724	Gmdrm	hypo	CG	-0.032
Gm18	19612492	19612684	Gmdrm	hypo	CG	-0.535
Gm18	19612845	19612920	Gmdrm	hypo	CG	-0.34
Gm18	19680277	19680560	Gmdrm	hypo	CG	-0.3363
Gm18	19699043	19699882	Gmdrm	hypo	CG	-0.0453
Gm18	19700016	19700756	Gmdrm	hypo	CG	-0.042
Gm18	19709006	19709123	Gmdrm	hypo	CG	-0.0471
Gm18	19726320	19726774	Gmdrm	hypo	CG	-0.4625
Gm18	19757945	19758262	Gmdrm	hypo	CG	-0.05
Gm18	19766456	19766677	Gmdrm	hypo	CG	-0.2434
Gm18	19871590	19871852	Gmdrm	hypo	CG	-0.0884
Gm18	19919943	19920162	Gmdrm	hypo	CG	-0.575
Gm18	19941276	19941346	Gmdrm	hypo	CG	-0.6162
Gm18	19941468	19941560	Gmdrm	hypo	CG	-0.42
Gm18	20015800	20015861	Gmdrm	hypo	CG	-0.074
Gm18	20017682	20017812	Gmdrm	hypo	CG	-0.5322
Gm18	20025859	20026136	Gmdrm	hypo	CG	-0.57
Gm18	20065651	20065833	Gmdrm	hypo	CG	-0.5525
Gm18	20071575	20071664	Gmdrm	hypo	CG	-0.3784
Gm18	20141503	20141528	Gmdrm	hypo	CG	-0.5475
Gm18	20141694	20141931	Gmdrm	hypo	CG	-0.3831
Gm18	20146554	20147475	Gmdrm	hypo	CG	-0.0287
Gm18	20182652	20183181	Gmdrm	hypo	CG	-0.0459
Gm18	20186811	20187010	Gmdrm	hypo	CG	-0.5177
Gm18	20187263	20187519	Gmdrm	hypo	CG	-0.3107
Gm18	20198102	20198319	Gmdrm	hypo	CG	-0.5585
Gm18	20233572	20233654	Gmdrm	hypo	CG	-0.5283
Gm18	20274513	20274543	Gmdrm	hypo	CG	-0.3667
Gm18	20290747	20290827	Gmdrm	hypo	CG	-0.08
Gm18	20347954	20348606	Gmdrm	hypo	CG	-0.0587
Gm18	20396902	20397220	Gmdrm	hypo	CG	-0.0404

Gm18	20427334	20427644	Gmdrm	hypo	CG	-0.6415
Gm18	20452666	20452725	Gmdrm	hypo	CG	-0.0583
Gm18	20512390	20512580	Gmdrm	hypo	CG	-0.1637
Gm18	20645277	20645457	Gmdrm	hypo	CG	-0.0443
Gm18	20648462	20648740	Gmdrm	hypo	CG	-0.0973
Gm18	20747855	20748575	Gmdrm	hypo	CG	-0.0372
Gm18	20749562	20750160	Gmdrm	hypo	CG	-0.0387
Gm18	20784738	20784808	Gmdrm	hypo	CG	-0.2417
Gm18	20820598	20821216	Gmdrm	hypo	CG	-0.0402
Gm18	20868202	20868534	Gmdrm	hypo	CG	-0.7793
Gm18	20868643	20868724	Gmdrm	hypo	CG	-0.9266
Gm18	20870103	20870132	Gmdrm	hypo	CG	-0.8187
Gm18	20870264	20870628	Gmdrm	hypo	CG	-0.3573
Gm18	20972851	20973051	Gmdrm	hypo	CG	-0.0504
Gm18	21048214	21048296	Gmdrm	hypo	CG	-0.048
Gm18	21056935	21057435	Gmdrm	hypo	CG	-0.0405
Gm18	21070782	21071097	Gmdrm	hypo	CG	-0.1866
Gm18	21089189	21089212	Gmdrm	hypo	CG	-0.158
Gm18	21099964	21100266	Gmdrm	hypo	CG	-0.05
Gm18	21180459	21180516	Gmdrm	hypo	CG	-0.4816
Gm18	21221688	21221927	Gmdrm	hypo	CG	-0.1333
Gm18	21231825	21232165	Gmdrm	hypo	CG	-0.0458
Gm18	21270860	21270951	Gmdrm	hypo	CG	-0.6344
Gm18	21291815	21291978	Gmdrm	hypo	CG	-0.398
Gm18	21310488	21310563	Gmdrm	hypo	CG	-0.91
Gm18	21327374	21327438	Gmdrm	hypo	CG	-0.9233
Gm18	21329878	21330030	Gmdrm	hypo	CG	-0.7216
Gm18	21375751	21375871	Gmdrm	hypo	CG	-0.1833
Gm18	21390152	21390513	Gmdrm	hypo	CG	-0.4358
Gm18	21455765	21455851	Gmdrm	hypo	CG	-0.0675
Gm18	21459461	21459579	Gmdrm	hypo	CG	-0.5037
Gm18	21464161	21464416	Gmdrm	hypo	CG	-0.6914
Gm18	21465001	21465159	Gmdrm	hypo	CG	-0.5213
Gm18	21493692	21494182	Gmdrm	hypo	CG	-0.0408
Gm18	21506268	21506414	Gmdrm	hypo	CG	-0.0811
Gm18	21740249	21740314	Gmdrm	hypo	CG	-0.2
Gm18	21779352	21779605	Gmdrm	hypo	CG	-0.0529
Gm18	21840116	21840243	Gmdrm	hypo	CG	-0.243
Gm18	21845163	21845310	Gmdrm	hypo	CG	-0.53
Gm18	21850014	21850159	Gmdrm	hypo	CG	-0.83
Gm18	21850293	21850436	Gmdrm	hypo	CG	-0.892
Gm18	21850939	21851134	Gmdrm	hypo	CG	-0.1725
Gm18	21852826	21853140	Gmdrm	hypo	CG	-0.9094
Gm18	21866704	21866904	Gmdrm	hypo	CG	-0.9451
Gm18	21867603	21867834	Gmdrm	hypo	CG	-0.9549
Gm18	21872273	21872451	Gmdrm	hypo	CG	-0.095

Gm18	21872694	21872907	Gmdrm	hypo	CG	-0.0522
Gm18	21950763	21950785	Gmdrm	hypo	CG	-0.202
Gm18	21987612	21987811	Gmdrm	hypo	CG	-0.202
Gm18	22023196	22023515	Gmdrm	hypo	CG	-0.0615
Gm18	22035731	22035843	Gmdrm	hypo	CG	-0.1075
Gm18	22070327	22070357	Gmdrm	hypo	CG	-0.44
Gm18	22388905	22389048	Gmdrm	hypo	CG	-0.6667
Gm18	22393266	22393999	Gmdrm	hypo	CG	-0.0282
Gm18	22433157	22433281	Gmdrm	hypo	CG	-0.0588
Gm18	22598274	22598451	Gmdrm	hypo	CG	-0.8291
Gm18	22598641	22598823	Gmdrm	hypo	CG	-0.4992
Gm18	22621768	22622307	Gmdrm	hypo	CG	-0.051
Gm18	22653820	22653932	Gmdrm	hypo	CG	-0.5762
Gm18	22656814	22656990	Gmdrm	hypo	CG	-0.4269
Gm18	22661867	22662161	Gmdrm	hypo	CG	-0.7033
Gm18	22662286	22662409	Gmdrm	hypo	CG	-0.24
Gm18	22666706	22666827	Gmdrm	hypo	CG	-0.184
Gm18	22721436	22721614	Gmdrm	hypo	CG	-0.0925
Gm18	22739601	22739687	Gmdrm	hypo	CG	-0.551
Gm18	22743673	22743771	Gmdrm	hypo	CG	-0.1733
Gm18	22787511	22788045	Gmdrm	hypo	CG	-0.0376
Gm18	22841272	22841328	Gmdrm	hypo	CG	-0.0634
Gm18	22860272	22861155	Gmdrm	hypo	CG	-0.0193
Gm18	22918696	22918853	Gmdrm	hypo	CG	-0.621
Gm18	22920147	22920255	Gmdrm	hypo	CG	-0.5725
Gm18	22922035	22922265	Gmdrm	hypo	CG	-0.4457
Gm18	22948571	22948752	Gmdrm	hypo	CG	-0.0469
Gm18	23001957	23002231	Gmdrm	hypo	CG	-0.0925
Gm18	23055983	23056335	Gmdrm	hypo	CG	-0.0386
Gm18	23086419	23086812	Gmdrm	hypo	CG	-0.3707
Gm18	23138881	23139078	Gmdrm	hypo	CG	-0.09
Gm18	23163568	23163611	Gmdrm	hypo	CG	-0.0683
Gm18	23165305	23165525	Gmdrm	hypo	CG	-0.0604
Gm18	23232786	23233001	Gmdrm	hypo	CG	-0.0532
Gm18	23248000	23248038	Gmdrm	hypo	CG	-0.1034
Gm18	23301801	23301950	Gmdrm	hypo	CG	-0.1838
Gm18	23303657	23303862	Gmdrm	hypo	CG	-0.3062
Gm18	23335121	23335251	Gmdrm	hypo	CG	-0.5863
Gm18	23416234	23416804	Gmdrm	hypo	CG	-0.0381
Gm18	23421685	23421821	Gmdrm	hypo	CG	-0.085
Gm18	23423727	23424071	Gmdrm	hypo	CG	-0.5564
Gm18	23424493	23424635	Gmdrm	hypo	CG	-0.75
Gm18	23455609	23455687	Gmdrm	hypo	CG	-0.0616
Gm18	23462653	23463157	Gmdrm	hypo	CG	-0.5644
Gm18	23463544	23463792	Gmdrm	hypo	CG	-0.6607
Gm18	23464595	23464839	Gmdrm	hypo	CG	-0.7748

Gm18	23471918	23472441	Gmdrm	hypo	CG	-0.1158
Gm18	23492701	23492814	Gmdrm	hypo	CG	-0.6367
Gm18	23497626	23497916	Gmdrm	hypo	CG	-0.635
Gm18	23498303	23498484	Gmdrm	hypo	CG	-0.1475
Gm18	23503585	23503660	Gmdrm	hypo	CG	-0.45
Gm18	23520279	23520372	Gmdrm	hypo	CG	-0.045
Gm18	23532013	23532195	Gmdrm	hypo	CG	-0.1059
Gm18	23550437	23550538	Gmdrm	hypo	CG	-0.0638
Gm18	23602164	23602545	Gmdrm	hypo	CG	-0.036
Gm18	23611688	23611977	Gmdrm	hypo	CG	-0.0546
Gm18	23635733	23635836	Gmdrm	hypo	CG	-0.736
Gm18	23639535	23640151	Gmdrm	hypo	CG	-0.1318
Gm18	23642310	23642594	Gmdrm	hypo	CG	-0.0657
Gm18	23750608	23751541	Gmdrm	hypo	CG	-0.0272
Gm18	23764743	23765061	Gmdrm	hypo	CG	-0.9461
Gm18	23765829	23765950	Gmdrm	hypo	CG	-0.5922
Gm18	23784308	23784401	Gmdrm	hypo	CG	-0.0717
Gm18	23828380	23828521	Gmdrm	hypo	CG	-0.1257
Gm18	23829678	23829767	Gmdrm	hypo	CG	-0.0537
Gm18	23838390	23839009	Gmdrm	hypo	CG	-0.0344
Gm18	23918336	23918363	Gmdrm	hypo	CG	-0.0717
Gm18	23931270	23931486	Gmdrm	hypo	CG	-0.0467
Gm18	24087106	24087223	Gmdrm	hypo	CG	-0.808
Gm18	24167774	24168286	Gmdrm	hypo	CG	-0.047
Gm18	24279617	24279922	Gmdrm	hypo	CG	-0.765
Gm18	24319813	24319898	Gmdrm	hypo	CG	-0.4866
Gm18	24331830	24331952	Gmdrm	hypo	CG	-0.065
Gm18	24411548	24412076	Gmdrm	hypo	CG	-0.0693
Gm18	24479587	24479843	Gmdrm	hypo	CG	-0.0663
Gm18	24516579	24516868	Gmdrm	hypo	CG	-0.1192
Gm18	24535741	24536001	Gmdrm	hypo	CG	-0.0981
Gm18	24567971	24568269	Gmdrm	hypo	CG	-0.0567
Gm18	24590427	24591344	Gmdrm	hypo	CG	-0.0306
Gm18	24600354	24601109	Gmdrm	hypo	CG	-0.0651
Gm18	24650393	24650457	Gmdrm	hypo	CG	-0.105
Gm18	24688207	24688367	Gmdrm	hypo	CG	-0.3993
Gm18	24690335	24690372	Gmdrm	hypo	CG	-0.4983
Gm18	24781772	24781930	Gmdrm	hypo	CG	-0.7888
Gm18	24873066	24873216	Gmdrm	hypo	CG	-0.4344
Gm18	24879075	24879296	Gmdrm	hypo	CG	-0.35
Gm18	24920210	24920299	Gmdrm	hypo	CG	-0.1187
Gm18	24929831	24930088	Gmdrm	hypo	CG	-0.5645
Gm18	24935023	24935040	Gmdrm	hypo	CG	-0.34
Gm18	25016215	25016334	Gmdrm	hypo	CG	-0.7172
Gm18	25102839	25102942	Gmdrm	hypo	CG	-0.1016
Gm18	25124347	25124850	Gmdrm	hypo	CG	-0.0379

Gm18	25219718	25219784	Gmdrm	hypo	CG	-0.4267
Gm18	25243080	25243780	Gmdrm	hypo	CG	-0.0453
Gm18	25260104	25260195	Gmdrm	hypo	CG	-0.8357
Gm18	25269249	25269351	Gmdrm	hypo	CG	-0.92
Gm18	25300933	25301278	Gmdrm	hypo	CG	-0.0893
Gm18	25347231	25347312	Gmdrm	hypo	CG	-0.145
Gm18	25376270	25376366	Gmdrm	hypo	CG	-0.248
Gm18	25383877	25384182	Gmdrm	hypo	CG	-0.2242
Gm18	25406005	25406157	Gmdrm	hypo	CG	-0.94
Gm18	25412021	25412148	Gmdrm	hypo	CG	-0.058
Gm18	25425946	25426688	Gmdrm	hypo	CG	-0.0494
Gm18	25480683	25481005	Gmdrm	hypo	CG	-0.1114
Gm18	25485304	25485393	Gmdrm	hypo	CG	-0.1523
Gm18	25508153	25509130	Gmdrm	hypo	CG	-0.0576
Gm18	25652890	25652993	Gmdrm	hypo	CG	-0.108
Gm18	25667893	25668201	Gmdrm	hypo	CG	-0.0607
Gm18	25697751	25698011	Gmdrm	hypo	CG	-0.0521
Gm18	25706403	25707244	Gmdrm	hypo	CG	-0.0787
Gm18	25715874	25716829	Gmdrm	hypo	CG	-0.0376
Gm18	25840815	25841380	Gmdrm	hypo	CG	-0.0482
Gm18	25886727	25887030	Gmdrm	hypo	CG	-0.1196
Gm18	25893717	25894250	Gmdrm	hypo	CG	-0.0536
Gm18	25936614	25936677	Gmdrm	hypo	CG	-0.4199
Gm18	25936915	25937005	Gmdrm	hypo	CG	-0.5613
Gm18	25944667	25944743	Gmdrm	hypo	CG	-0.746
Gm18	25990908	25991166	Gmdrm	hypo	CG	-0.0427
Gm18	26004858	26005180	Gmdrm	hypo	CG	-0.0605
Gm18	26162328	26162448	Gmdrm	hypo	CG	-0.11
Gm18	26220314	26221065	Gmdrm	hypo	CG	-0.0395
Gm18	26270488	26270607	Gmdrm	hypo	CG	-0.0792
Gm18	26323315	26323407	Gmdrm	hypo	CG	-0.1137
Gm18	26409380	26409883	Gmdrm	hypo	CG	-0.0674
Gm18	26674243	26674317	Gmdrm	hypo	CG	-0.116
Gm18	26684300	26684714	Gmdrm	hypo	CG	-0.0954
Gm18	26738137	26738357	Gmdrm	hypo	CG	-0.0695
Gm18	26790649	26790931	Gmdrm	hypo	CG	-0.0428
Gm18	26838637	26838837	Gmdrm	hypo	CG	-0.0609
Gm18	26880976	26881679	Gmdrm	hypo	CG	-0.0538
Gm18	26891356	26891530	Gmdrm	hypo	CG	-0.8533
Gm18	27211194	27211336	Gmdrm	hypo	CG	-0.0429
Gm18	27441595	27441705	Gmdrm	hypo	CG	-0.047
Gm18	27492260	27492531	Gmdrm	hypo	CG	-0.0371
Gm18	27544139	27544639	Gmdrm	hypo	CG	-0.0349
Gm18	27599971	27600969	Gmdrm	hypo	CG	-0.0319
Gm18	27791258	27791541	Gmdrm	hypo	CG	-0.0653
Gm18	27802320	27802424	Gmdrm	hypo	CG	-0.0415

Gm18	27850823	27850933	Gmdrm	hypo	CG	-0.34
Gm18	27869277	27870199	Gmdrm	hypo	CG	-0.032
Gm18	27948572	27948686	Gmdrm	hypo	CG	-0.124
Gm18	28016862	28017149	Gmdrm	hypo	CG	-0.1429
Gm18	28017250	28017734	Gmdrm	hypo	CG	-0.0503
Gm18	28102927	28103302	Gmdrm	hypo	CG	-0.1367
Gm18	28105222	28105314	Gmdrm	hypo	CG	-0.86
Gm18	28106203	28106407	Gmdrm	hypo	CG	-0.0943
Gm18	28108453	28108634	Gmdrm	hypo	CG	-0.2826
Gm18	28118545	28118717	Gmdrm	hypo	CG	-0.0861
Gm18	28123063	28124035	Gmdrm	hypo	CG	-0.0445
Gm18	28191649	28191969	Gmdrm	hypo	CG	-0.0833
Gm18	28254987	28255126	Gmdrm	hypo	CG	-0.1045
Gm18	28277019	28277626	Gmdrm	hypo	CG	-0.0523
Gm18	28341817	28341930	Gmdrm	hypo	CG	-0.1
Gm18	28430683	28430842	Gmdrm	hypo	CG	-0.419
Gm18	28460147	28460971	Gmdrm	hypo	CG	-0.0295
Gm18	28519203	28519348	Gmdrm	hypo	CG	-0.0414
Gm18	28565659	28565813	Gmdrm	hypo	CG	-0.2178
Gm18	28575240	28575402	Gmdrm	hypo	CG	-0.728
Gm18	28577284	28577673	Gmdrm	hypo	CG	-0.0572
Gm18	28676959	28677036	Gmdrm	hypo	CG	-0.12
Gm18	28679168	28679341	Gmdrm	hypo	CG	-1
Gm18	28701530	28701631	Gmdrm	hypo	CG	-0.7043
Gm18	28717396	28717587	Gmdrm	hypo	CG	-0.0479
Gm18	28761193	28761278	Gmdrm	hypo	CG	-0.0633
Gm18	28771180	28771251	Gmdrm	hypo	CG	-0.72
Gm18	28857018	28857242	Gmdrm	hypo	CG	-0.103
Gm18	28907351	28907414	Gmdrm	hypo	CG	-0.0642
Gm18	28919091	28919387	Gmdrm	hypo	CG	-0.6578
Gm18	28948793	28948851	Gmdrm	hypo	CG	-0.055
Gm18	29057019	29057305	Gmdrm	hypo	CG	-0.0989
Gm18	29102584	29102925	Gmdrm	hypo	CG	-0.0866
Gm18	29105042	29105198	Gmdrm	hypo	CG	-0.0588
Gm18	29267952	29268349	Gmdrm	hypo	CG	-0.2564
Gm18	29274853	29275039	Gmdrm	hypo	CG	-0.092
Gm18	29288139	29288308	Gmdrm	hypo	CG	-0.8614
Gm18	29385593	29385890	Gmdrm	hypo	CG	-0.695
Gm18	29386010	29386251	Gmdrm	hypo	CG	-0.7638
Gm18	29559912	29560130	Gmdrm	hypo	CG	-0.1263
Gm18	29657806	29657929	Gmdrm	hypo	CG	-0.0688
Gm18	29688287	29688489	Gmdrm	hypo	CG	-0.6325
Gm18	29691884	29692635	Gmdrm	hypo	CG	-0.0309
Gm18	29700301	29700490	Gmdrm	hypo	CG	-0.125
Gm18	29738708	29738938	Gmdrm	hypo	CG	-0.092
Gm18	29809905	29810151	Gmdrm	hypo	CG	-0.068

Gm18	29826412	29826989	Gmdrm	hypo	CG	-0.054
Gm18	29870142	29870719	Gmdrm	hypo	CG	-0.0573
Gm18	29993731	29994124	Gmdrm	hypo	CG	-0.06
Gm18	30040549	30041207	Gmdrm	hypo	CG	-0.0352
Gm18	30077491	30077565	Gmdrm	hypo	CG	-0.185
Gm18	30090918	30091147	Gmdrm	hypo	CG	-0.744
Gm18	30095030	30095438	Gmdrm	hypo	CG	-0.355
Gm18	30099298	30099310	Gmdrm	hypo	CG	-0.065
Gm18	30134469	30134731	Gmdrm	hypo	CG	-0.0663
Gm18	30175110	30175478	Gmdrm	hypo	CG	-0.0619
Gm18	30239614	30239731	Gmdrm	hypo	CG	-0.0489
Gm18	30335131	30335950	Gmdrm	hypo	CG	-0.05
Gm18	30355360	30355441	Gmdrm	hypo	CG	-0.0921
Gm18	30379030	30379755	Gmdrm	hypo	CG	-0.0276
Gm18	30447691	30447900	Gmdrm	hypo	CG	-0.0936
Gm18	30500441	30500551	Gmdrm	hypo	CG	-0.1264
Gm18	30534447	30535435	Gmdrm	hypo	CG	-0.0241
Gm18	30583239	30583304	Gmdrm	hypo	CG	-0.8215
Gm18	30670458	30670560	Gmdrm	hypo	CG	-0.14
Gm18	30673051	30673409	Gmdrm	hypo	CG	-0.0533
Gm18	30834696	30834814	Gmdrm	hypo	CG	-0.107
Gm18	30855442	30855749	Gmdrm	hypo	CG	-0.097
Gm18	30907543	30907768	Gmdrm	hypo	CG	-0.0719
Gm18	30969920	30970087	Gmdrm	hypo	CG	-0.1078
Gm18	31044124	31044532	Gmdrm	hypo	CG	-0.0665
Gm18	31068635	31069042	Gmdrm	hypo	CG	-0.0496
Gm18	31108708	31108890	Gmdrm	hypo	CG	-0.469
Gm18	31124094	31124404	Gmdrm	hypo	CG	-0.028
Gm18	31153655	31153850	Gmdrm	hypo	CG	-0.0421
Gm18	31161957	31162568	Gmdrm	hypo	CG	-0.0318
Gm18	31222874	31223169	Gmdrm	hypo	CG	-0.0588
Gm18	31320426	31320613	Gmdrm	hypo	CG	-0.0444
Gm18	31382456	31383435	Gmdrm	hypo	CG	-0.049
Gm18	31454302	31454522	Gmdrm	hypo	CG	-0.0256
Gm18	31555574	31556504	Gmdrm	hypo	CG	-0.0632
Gm18	31590539	31590949	Gmdrm	hypo	CG	-0.0742
Gm18	31598501	31598604	Gmdrm	hypo	CG	-0.476
Gm18	31949708	31949796	Gmdrm	hypo	CG	-0.093
Gm18	31956661	31956964	Gmdrm	hypo	CG	-0.0594
Gm18	31970528	31970644	Gmdrm	hypo	CG	-0.062
Gm18	32037110	32037988	Gmdrm	hypo	CG	-0.0322
Gm18	32047026	32047326	Gmdrm	hypo	CG	-0.066
Gm18	32090237	32090454	Gmdrm	hypo	CG	-0.0655
Gm18	32106183	32106227	Gmdrm	hypo	CG	-0.064
Gm18	32186754	32187750	Gmdrm	hypo	CG	-0.0314
Gm18	32194296	32194476	Gmdrm	hypo	CG	-0.0692

Gm18	32247727	32247905	Gmdrm	hypo	CG	-0.0825
Gm18	32286660	32286830	Gmdrm	hypo	CG	-0.0654
Gm18	32375432	32376413	Gmdrm	hypo	CG	-0.0257
Gm18	32547370	32547554	Gmdrm	hypo	CG	-0.0572
Gm18	32579790	32579951	Gmdrm	hypo	CG	-0.1
Gm18	32591143	32591662	Gmdrm	hypo	CG	-0.0483
Gm18	32632634	32632976	Gmdrm	hypo	CG	-0.0565
Gm18	32676154	32676865	Gmdrm	hypo	CG	-0.0468
Gm18	32795370	32795506	Gmdrm	hypo	CG	-0.0662
Gm18	32900479	32900610	Gmdrm	hypo	CG	-0.7251
Gm18	32932464	32933425	Gmdrm	hypo	CG	-0.0359
Gm18	32957978	32958961	Gmdrm	hypo	CG	-0.0307
Gm18	32973142	32973354	Gmdrm	hypo	CG	-0.08
Gm18	32980962	32981104	Gmdrm	hypo	CG	-0.0856
Gm18	33031689	33032657	Gmdrm	hypo	CG	-0.0354
Gm18	33185555	33185826	Gmdrm	hypo	CG	-0.5994
Gm18	33272466	33272596	Gmdrm	hypo	CG	-0.6266
Gm18	33278743	33278890	Gmdrm	hypo	CG	-0.5462
Gm18	33302679	33303131	Gmdrm	hypo	CG	-0.0308
Gm18	33353819	33354791	Gmdrm	hypo	CG	-0.0357
Gm18	33565710	33565831	Gmdrm	hypo	CG	-0.0457
Gm18	33782610	33782812	Gmdrm	hypo	CG	-0.1358
Gm18	33895881	33896418	Gmdrm	hypo	CG	-0.0471
Gm18	33915691	33915852	Gmdrm	hypo	CG	-0.04
Gm18	34017913	34018020	Gmdrm	hypo	CG	-0.5716
Gm18	34137913	34138887	Gmdrm	hypo	CG	-0.0313
Gm18	34171431	34171959	Gmdrm	hypo	CG	-0.024
Gm18	34173787	34174041	Gmdrm	hypo	CG	-0.2942
Gm18	34319501	34319742	Gmdrm	hypo	CG	-0.0533
Gm18	34337134	34337273	Gmdrm	hypo	CG	-0.0564
Gm18	34372003	34372486	Gmdrm	hypo	CG	-0.0381
Gm18	34415388	34416373	Gmdrm	hypo	CG	-0.0281
Gm18	34489064	34489203	Gmdrm	hypo	CG	-0.0536
Gm18	34499721	34499750	Gmdrm	hypo	CG	-0.3233
Gm18	34537362	34537451	Gmdrm	hypo	CG	-0.315
Gm18	34540424	34540800	Gmdrm	hypo	CG	-0.179
Gm18	34584567	34584744	Gmdrm	hypo	CG	-0.0817
Gm18	34635605	34635785	Gmdrm	hypo	CG	-0.088
Gm18	34655588	34655792	Gmdrm	hypo	CG	-0.1008
Gm18	34712222	34712278	Gmdrm	hypo	CG	-0.069
Gm18	34716370	34716417	Gmdrm	hypo	CG	-0.1983
Gm18	34799708	34799864	Gmdrm	hypo	CG	-0.0692
Gm18	34807186	34807841	Gmdrm	hypo	CG	-0.0118
Gm18	34830673	34831010	Gmdrm	hypo	CG	-0.9216
Gm18	34832180	34832283	Gmdrm	hypo	CG	-0.04
Gm18	34935432	34936033	Gmdrm	hypo	CG	-0.068

Gm18	35033776	35034540	Gmdrm	hypo	CG	-0.0455
Gm18	35055735	35056106	Gmdrm	hypo	CG	-0.092
Gm18	35087080	35087131	Gmdrm	hypo	CG	-0.685
Gm18	35114982	35115554	Gmdrm	hypo	CG	-0.2018
Gm18	35115781	35115880	Gmdrm	hypo	CG	-0.54
Gm18	35135898	35136162	Gmdrm	hypo	CG	-0.5086
Gm18	35149559	35149956	Gmdrm	hypo	CG	-0.0291
Gm18	35170406	35170841	Gmdrm	hypo	CG	-0.0348
Gm18	35187556	35187663	Gmdrm	hypo	CG	-0.2238
Gm18	35190704	35190771	Gmdrm	hypo	CG	-0.398
Gm18	35192896	35192999	Gmdrm	hypo	CG	-0.0562
Gm18	35210259	35210304	Gmdrm	hypo	CG	-0.124
Gm18	35215455	35215630	Gmdrm	hypo	CG	-0.2662
Gm18	35264213	35264567	Gmdrm	hypo	CG	-0.0769
Gm18	35335060	35335222	Gmdrm	hypo	CG	-0.4213
Gm18	35335471	35335732	Gmdrm	hypo	CG	-0.258
Gm18	35336078	35336145	Gmdrm	hypo	CG	-0.2466
Gm18	35415315	35416023	Gmdrm	hypo	CG	-0.0466
Gm18	35446214	35446372	Gmdrm	hypo	CG	-0.0333
Gm18	35495634	35495955	Gmdrm	hypo	CG	-0.7266
Gm18	35496619	35496802	Gmdrm	hypo	CG	-0.0964
Gm18	35500359	35500660	Gmdrm	hypo	CG	-0.0487
Gm18	35503302	35504290	Gmdrm	hypo	CG	-0.0666
Gm18	35504531	35504622	Gmdrm	hypo	CG	-0.16
Gm18	35706826	35707717	Gmdrm	hypo	CG	-0.0448
Gm18	35716911	35717904	Gmdrm	hypo	CG	-0.0421
Gm18	35738466	35739442	Gmdrm	hypo	CG	-0.0387
Gm18	35769624	35769679	Gmdrm	hypo	CG	-0.1286
Gm18	35777535	35778114	Gmdrm	hypo	CG	-0.0395
Gm18	35814994	35815361	Gmdrm	hypo	CG	-0.0413
Gm18	35892673	35893661	Gmdrm	hypo	CG	-0.0446
Gm18	35916745	35916793	Gmdrm	hypo	CG	-0.0533
Gm18	35924901	35925129	Gmdrm	hypo	CG	-0.1245
Gm18	35947686	35947713	Gmdrm	hypo	CG	-0.0425
Gm18	35989954	35990092	Gmdrm	hypo	CG	-0.4316
Gm18	36005180	36005342	Gmdrm	hypo	CG	-0.06
Gm18	36021363	36021380	Gmdrm	hypo	CG	-0.735
Gm18	36064004	36064112	Gmdrm	hypo	CG	-0.1128
Gm18	36069509	36069616	Gmdrm	hypo	CG	-0.0537
Gm18	36078267	36078315	Gmdrm	hypo	CG	-0.8817
Gm18	36093017	36093125	Gmdrm	hypo	CG	-0.535
Gm18	36115721	36115866	Gmdrm	hypo	CG	-0.14
Gm18	36134472	36134563	Gmdrm	hypo	CG	-0.205
Gm18	36134731	36134818	Gmdrm	hypo	CG	-0.3325
Gm18	36136938	36136985	Gmdrm	hypo	CG	-0.9272
Gm18	36138242	36138452	Gmdrm	hypo	CG	-0.64

Gm18	36139062	36139105 Gmdrm	hypo	CG	-0.0525
Gm18	36185345	36185642 Gmdrm	hypo	CG	-0.0745
Gm18	36187429	36187527 Gmdrm	hypo	CG	-0.8617
Gm18	36191383	36191454 Gmdrm	hypo	CG	-0.1814
Gm18	36192078	36192279 Gmdrm	hypo	CG	-0.363
Gm18	36193057	36193184 Gmdrm	hypo	CG	-0.72
Gm18	36193613	36193915 Gmdrm	hypo	CG	-0.7606
Gm18	36290418	36290767 Gmdrm	hypo	CG	-0.0587
Gm18	36337385	36337519 Gmdrm	hypo	CG	-0.205
Gm18	36406502	36406521 Gmdrm	hypo	CG	-0.0487
Gm18	36407854	36408831 Gmdrm	hypo	CG	-0.0414
Gm18	36447279	36447370 Gmdrm	hypo	CG	-0.04
Gm18	36455677	36455708 Gmdrm	hypo	CG	-0.9024
Gm18	36473737	36474025 Gmdrm	hypo	CG	-0.6395
Gm18	36477538	36477647 Gmdrm	hypo	CG	-0.764
Gm18	36482820	36483043 Gmdrm	hypo	CG	-0.7316
Gm18	36506680	36506843 Gmdrm	hypo	CG	-0.5034
Gm18	36557620	36557757 Gmdrm	hypo	CG	-0.6533
Gm18	36597054	36597305 Gmdrm	hypo	CG	-0.9171
Gm18	36636768	36636897 Gmdrm	hypo	CG	-0.0469
Gm18	36785477	36786416 Gmdrm	hypo	CG	-0.0287
Gm18	37026301	37026536 Gmdrm	hypo	CG	-0.084
Gm18	37343930	37344136 Gmdrm	hypo	CG	-0.066
Gm18	37708813	37708936 Gmdrm	hypo	CG	-0.1286
Gm18	37714566	37715234 Gmdrm	hypo	CG	-0.0361
Gm18	37727785	37728046 Gmdrm	hypo	CG	-0.0346
Gm18	37728418	37728564 Gmdrm	hypo	CG	-0.039
Gm18	37756777	37756928 Gmdrm	hypo	CG	-0.302
Gm18	37757451	37757703 Gmdrm	hypo	CG	-0.3914
Gm18	37835552	37835736 Gmdrm	hypo	CG	-0.0629
Gm18	37841987	37842148 Gmdrm	hypo	CG	-0.136
Gm18	37859619	37860016 Gmdrm	hypo	CG	-0.0379
Gm18	37867079	37867341 Gmdrm	hypo	CG	-0.0383
Gm18	37868152	37868287 Gmdrm	hypo	CG	-0.23
Gm18	37868827	37868885 Gmdrm	hypo	CG	-0.3538
Gm18	37869182	37869323 Gmdrm	hypo	CG	-0.044
Gm18	37917134	37917238 Gmdrm	hypo	CG	-0.0649
Gm18	37937413	37937487 Gmdrm	hypo	CG	-0.278
Gm18	37987667	37987857 Gmdrm	hypo	CG	-0.705
Gm18	38047768	38047933 Gmdrm	hypo	CG	-0.0538
Gm18	38054504	38054538 Gmdrm	hypo	CG	-0.52
Gm18	38055980	38056130 Gmdrm	hypo	CG	-0.8078
Gm18	38088247	38088535 Gmdrm	hypo	CG	-0.0582
Gm18	38090011	38090141 Gmdrm	hypo	CG	-0.055
Gm18	38133994	38134228 Gmdrm	hypo	CG	-0.53
Gm18	38137751	38137928 Gmdrm	hypo	CG	-0.2783

Gm18	38142133	38142266	Gmdrm	hypo	CG	-0.24
Gm18	38144731	38144873	Gmdrm	hypo	CG	-0.1671
Gm18	38144983	38145263	Gmdrm	hypo	CG	-0.1733
Gm18	38154583	38154626	Gmdrm	hypo	CG	-0.242
Gm18	38158109	38158279	Gmdrm	hypo	CG	-0.0756
Gm18	38163816	38163944	Gmdrm	hypo	CG	-0.8637
Gm18	38164047	38164222	Gmdrm	hypo	CG	-0.6883
Gm18	38172533	38172730	Gmdrm	hypo	CG	-0.8418
Gm18	38182415	38182470	Gmdrm	hypo	CG	-0.0649
Gm18	38182718	38182963	Gmdrm	hypo	CG	-0.567
Gm18	38243262	38243353	Gmdrm	hypo	CG	-0.1383
Gm18	38299360	38299549	Gmdrm	hypo	CG	-0.0475
Gm18	38394636	38394958	Gmdrm	hypo	CG	-0.0465
Gm18	38410742	38410817	Gmdrm	hypo	CG	-0.21
Gm18	38449286	38449438	Gmdrm	hypo	CG	-0.0724
Gm18	38531809	38531915	Gmdrm	hypo	CG	-0.4533
Gm18	38532099	38532162	Gmdrm	hypo	CG	-0.615
Gm18	38550471	38550661	Gmdrm	hypo	CG	-0.1175
Gm18	38552406	38553092	Gmdrm	hypo	CG	-0.0194
Gm18	38564394	38564475	Gmdrm	hypo	CG	-0.6867
Gm18	38611048	38611078	Gmdrm	hypo	CG	-0.0533
Gm18	38654403	38654516	Gmdrm	hypo	CG	-0.7833
Gm18	38661645	38662026	Gmdrm	hypo	CG	-0.0904
Gm18	38668847	38669353	Gmdrm	hypo	CG	-0.0542
Gm18	38707403	38707517	Gmdrm	hypo	CG	-0.5601
Gm18	38731910	38732358	Gmdrm	hypo	CG	-0.0446
Gm18	38745922	38746003	Gmdrm	hypo	CG	-0.2117
Gm18	38758450	38758658	Gmdrm	hypo	CG	-0.8841
Gm18	38803956	38804117	Gmdrm	hypo	CG	-0.585
Gm18	38851353	38851443	Gmdrm	hypo	CG	-0.124
Gm18	38866164	38866734	Gmdrm	hypo	CG	-0.0753
Gm18	38952833	38952875	Gmdrm	hypo	CG	-0.0867
Gm18	38982157	38982271	Gmdrm	hypo	CG	-0.1462
Gm18	38998867	38999649	Gmdrm	hypo	CG	-0.043
Gm18	39107839	39108048	Gmdrm	hypo	CG	-0.056
Gm18	39140016	39140119	Gmdrm	hypo	CG	-0.0262
Gm18	39201581	39201928	Gmdrm	hypo	CG	-0.0279
Gm18	39963525	39963734	Gmdrm	hypo	CG	-0.3772
Gm18	40026804	40027064	Gmdrm	hypo	CG	-0.049
Gm18	40066886	40067317	Gmdrm	hypo	CG	-0.035
Gm18	40106710	40106838	Gmdrm	hypo	CG	-0.0433
Gm18	40124490	40124865	Gmdrm	hypo	CG	-0.0316
Gm18	40130885	40131114	Gmdrm	hypo	CG	-0.0453
Gm18	40150998	40151294	Gmdrm	hypo	CG	-0.574
Gm18	40211331	40211607	Gmdrm	hypo	CG	-0.4938
Gm18	40213741	40213795	Gmdrm	hypo	CG	-0.44

Gm18	40225188	40225362	Gmdrm	hypo	CG	-0.2
Gm18	40312198	40312356	Gmdrm	hypo	CG	-0.0413
Gm18	40332651	40333052	Gmdrm	hypo	CG	-0.0514
Gm18	40355582	40356024	Gmdrm	hypo	CG	-0.0895
Gm18	40507264	40507448	Gmdrm	hypo	CG	-0.0437
Gm18	40535384	40536379	Gmdrm	hypo	CG	-0.0347
Gm18	40549578	40550198	Gmdrm	hypo	CG	-0.048
Gm18	40574562	40574705	Gmdrm	hypo	CG	-0.8791
Gm18	40574918	40575109	Gmdrm	hypo	CG	-0.31
Gm18	40584574	40584698	Gmdrm	hypo	CG	-0.3458
Gm18	40584800	40584858	Gmdrm	hypo	CG	-0.26
Gm18	40635218	40635366	Gmdrm	hypo	CG	-0.065
Gm18	40643039	40643072	Gmdrm	hypo	CG	-0.1375
Gm18	40644447	40644763	Gmdrm	hypo	CG	-0.0567
Gm18	40665977	40666962	Gmdrm	hypo	CG	-0.0262
Gm18	40669461	40670281	Gmdrm	hypo	CG	-0.0238
Gm18	40679532	40680077	Gmdrm	hypo	CG	-0.0557
Gm18	40711680	40711820	Gmdrm	hypo	CG	-0.0413
Gm18	40726366	40726582	Gmdrm	hypo	CG	-0.044
Gm18	40772871	40773031	Gmdrm	hypo	CG	-0.0325
Gm18	40791501	40791823	Gmdrm	hypo	CG	-0.0371
Gm18	40798990	40799112	Gmdrm	hypo	CG	-0.6237
Gm18	40801741	40801877	Gmdrm	hypo	CG	-0.4278
Gm18	40802028	40802243	Gmdrm	hypo	CG	-0.3708
Gm18	40862204	40862675	Gmdrm	hypo	CG	-0.075
Gm18	40866037	40866134	Gmdrm	hypo	CG	-0.735
Gm18	40867402	40867553	Gmdrm	hypo	CG	-0.3063
Gm18	40962883	40962935	Gmdrm	hypo	CG	-0.9467
Gm18	40976775	40976910	Gmdrm	hypo	CG	-0.0583
Gm18	40984937	40985017	Gmdrm	hypo	CG	-0.1113
Gm18	41026008	41026272	Gmdrm	hypo	CG	-0.8217
Gm18	41037740	41037763	Gmdrm	hypo	CG	-0.4233
Gm18	41111857	41112091	Gmdrm	hypo	CG	-0.0771
Gm18	41114022	41114176	Gmdrm	hypo	CG	-0.0442
Gm18	41177248	41178079	Gmdrm	hypo	CG	-0.0463
Gm18	41252810	41252994	Gmdrm	hypo	CG	-0.6836
Gm18	41268888	41269393	Gmdrm	hypo	CG	-0.0267
Gm18	41322915	41323020	Gmdrm	hypo	CG	-0.7366
Gm18	41337125	41337670	Gmdrm	hypo	CG	-0.066
Gm18	41341719	41341946	Gmdrm	hypo	CG	-0.0663
Gm18	41402956	41403161	Gmdrm	hypo	CG	-0.0411
Gm18	41410472	41410637	Gmdrm	hypo	CG	-0.8575
Gm18	41428277	41428711	Gmdrm	hypo	CG	-0.0183
Gm18	41429273	41429364	Gmdrm	hypo	CG	-0.85
Gm18	41465994	41466504	Gmdrm	hypo	CG	-0.0227
Gm18	41490863	41491000	Gmdrm	hypo	CG	-0.673

Gm18	41505486	41505608	Gmdrm	hypo	CG	-0.7234
Gm18	41534528	41534754	Gmdrm	hypo	CG	-0.05
Gm18	41547990	41548359	Gmdrm	hypo	CG	-0.5769
Gm18	41551154	41551246	Gmdrm	hypo	CG	-0.1133
Gm18	41559206	41559281	Gmdrm	hypo	CG	-0.06
Gm18	41560960	41561009	Gmdrm	hypo	CG	-0.1484
Gm18	41583165	41583291	Gmdrm	hypo	CG	-0.67
Gm18	41591163	41591308	Gmdrm	hypo	CG	-0.6333
Gm18	41609936	41610727	Gmdrm	hypo	CG	-0.0298
Gm18	41635284	41635371	Gmdrm	hypo	CG	-0.94
Gm18	41713095	41713203	Gmdrm	hypo	CG	-0.442
Gm18	41884363	41884727	Gmdrm	hypo	CG	-0.2711
Gm18	41917078	41917241	Gmdrm	hypo	CG	-0.2364
Gm18	41935939	41936133	Gmdrm	hypo	CG	-0.6965
Gm18	41936722	41937109	Gmdrm	hypo	CG	-0.4492
Gm18	41964077	41964199	Gmdrm	hypo	CG	-0.6663
Gm18	41991681	41991908	Gmdrm	hypo	CG	-0.4744
Gm18	41994895	41995123	Gmdrm	hypo	CG	-0.1088
Gm18	41998620	41998818	Gmdrm	hypo	CG	-0.6837
Gm18	42014717	42015005	Gmdrm	hypo	CG	-0.1503
Gm18	42018671	42018844	Gmdrm	hypo	CG	-0.89
Gm18	42019629	42019895	Gmdrm	hypo	CG	-0.035
Gm18	42022672	42022705	Gmdrm	hypo	CG	-0.8767
Gm18	42059171	42059413	Gmdrm	hypo	CG	-0.3462
Gm18	42061419	42061595	Gmdrm	hypo	CG	-0.6016
Gm18	42086285	42086463	Gmdrm	hypo	CG	-0.05
Gm18	42138791	42138947	Gmdrm	hypo	CG	-0.26
Gm18	42139080	42139241	Gmdrm	hypo	CG	-0.0525
Gm18	42181013	42181154	Gmdrm	hypo	CG	-0.9288
Gm18	42181695	42181789	Gmdrm	hypo	CG	-0.565
Gm18	42195760	42196033	Gmdrm	hypo	CG	-0.9527
Gm18	42240020	42240581	Gmdrm	hypo	CG	-0.135
Gm18	42241762	42242014	Gmdrm	hypo	CG	-0.0438
Gm18	42247751	42248040	Gmdrm	hypo	CG	-0.6011
Gm18	42252144	42252327	Gmdrm	hypo	CG	-0.635
Gm18	42268814	42269077	Gmdrm	hypo	CG	-0.5054
Gm18	42270402	42270525	Gmdrm	hypo	CG	-0.7283
Gm18	42270951	42271008	Gmdrm	hypo	CG	-0.945
Gm18	42284112	42284236	Gmdrm	hypo	CG	-0.5375
Gm18	42305793	42305890	Gmdrm	hypo	CG	-0.0988
Gm18	42325735	42326197	Gmdrm	hypo	CG	-0.2377
Gm18	42326341	42326405	Gmdrm	hypo	CG	-0.25
Gm18	42334950	42335076	Gmdrm	hypo	CG	-0.4384
Gm18	42335224	42335313	Gmdrm	hypo	CG	-0.86
Gm18	42352971	42353052	Gmdrm	hypo	CG	-0.6049
Gm18	42354358	42354445	Gmdrm	hypo	CG	-0.4963

Gm18	42357098	42357125 Gmdrm	hypo	CG	-0.0437
Gm18	42393304	42393542 Gmdrm	hypo	CG	-0.09
Gm18	42431948	42432158 Gmdrm	hypo	CG	-0.9025
Gm18	42432941	42433070 Gmdrm	hypo	CG	-0.605
Gm18	42444694	42445443 Gmdrm	hypo	CG	-0.0333
Gm18	42465015	42465167 Gmdrm	hypo	CG	-0.6475
Gm18	42465335	42465369 Gmdrm	hypo	CG	-0.8667
Gm18	42465510	42465575 Gmdrm	hypo	CG	-0.6333
Gm18	42471570	42471693 Gmdrm	hypo	CG	-0.2537
Gm18	42518615	42518732 Gmdrm	hypo	CG	-0.0737
Gm18	42534119	42534182 Gmdrm	hypo	CG	-0.7425
Gm18	42541329	42541506 Gmdrm	hypo	CG	-0.0633
Gm18	42541859	42542018 Gmdrm	hypo	CG	-0.207
Gm18	42542531	42542586 Gmdrm	hypo	CG	-0.5033
Gm18	42542714	42542835 Gmdrm	hypo	CG	-0.887
Gm18	42548352	42548494 Gmdrm	hypo	CG	-0.642
Gm18	42548971	42549098 Gmdrm	hypo	CG	-0.5066
Gm18	42560269	42560384 Gmdrm	hypo	CG	-0.094
Gm18	42562803	42563241 Gmdrm	hypo	CG	-0.0658
Gm18	42587922	42587974 Gmdrm	hypo	CG	-0.055
Gm18	42620316	42620420 Gmdrm	hypo	CG	-0.8887
Gm18	42628514	42628576 Gmdrm	hypo	CG	-0.7083
Gm18	42642343	42642650 Gmdrm	hypo	CG	-0.3669
Gm18	42680756	42680821 Gmdrm	hypo	CG	-0.114
Gm18	42681964	42682634 Gmdrm	hypo	CG	-0.0413
Gm18	42722493	42722670 Gmdrm	hypo	CG	-0.076
Gm18	42799723	42800136 Gmdrm	hypo	CG	-0.1311
Gm18	42881140	42881591 Gmdrm	hypo	CG	-0.0724
Gm18	42958089	42958357 Gmdrm	hypo	CG	-0.0722
Gm18	42970806	42971124 Gmdrm	hypo	CG	-0.05
Gm18	43036654	43037249 Gmdrm	hypo	CG	-0.0404
Gm18	43068842	43068933 Gmdrm	hypo	CG	-0.0767
Gm18	43157519	43157679 Gmdrm	hypo	CG	-0.0619
Gm18	43357495	43357845 Gmdrm	hypo	CG	-0.0475
Gm18	43404640	43404729 Gmdrm	hypo	CG	-0.5067
Gm18	43432275	43432576 Gmdrm	hypo	CG	-0.1122
Gm18	43445264	43445456 Gmdrm	hypo	CG	-0.05
Gm18	43477842	43478017 Gmdrm	hypo	CG	-0.0943
Gm18	43494995	43495160 Gmdrm	hypo	CG	-0.082
Gm18	43512001	43512104 Gmdrm	hypo	CG	-0.8817
Gm18	43574357	43575321 Gmdrm	hypo	CG	-0.0263
Gm18	43578206	43578952 Gmdrm	hypo	CG	-0.0363
Gm18	43602320	43602766 Gmdrm	hypo	CG	-0.1181
Gm18	43651893	43652078 Gmdrm	hypo	CG	-0.048
Gm18	43654618	43654662 Gmdrm	hypo	CG	-0.065
Gm18	43723369	43723495 Gmdrm	hypo	CG	-0.1729

Gm18	43746470	43746581	Gmdrm	hypo	CG	-0.0686
Gm18	43746860	43746982	Gmdrm	hypo	CG	-0.4167
Gm18	43747342	43747443	Gmdrm	hypo	CG	-0.0583
Gm18	43765200	43765503	Gmdrm	hypo	CG	-0.6687
Gm18	43765863	43766055	Gmdrm	hypo	CG	-0.0583
Gm18	43774286	43774402	Gmdrm	hypo	CG	-0.4038
Gm18	43774714	43774859	Gmdrm	hypo	CG	-0.685
Gm18	43782447	43782543	Gmdrm	hypo	CG	-0.1763
Gm18	43782659	43783004	Gmdrm	hypo	CG	-0.0787
Gm18	43788397	43788454	Gmdrm	hypo	CG	-0.2967
Gm18	43808543	43808664	Gmdrm	hypo	CG	-0.885
Gm18	43810580	43810743	Gmdrm	hypo	CG	-0.2165
Gm18	43832217	43832383	Gmdrm	hypo	CG	-0.3876
Gm18	43835476	43835516	Gmdrm	hypo	CG	-0.6466
Gm18	43848221	43848587	Gmdrm	hypo	CG	-0.057
Gm18	43885008	43885090	Gmdrm	hypo	CG	-0.1
Gm18	43888757	43888853	Gmdrm	hypo	CG	-0.0808
Gm18	43936140	43936215	Gmdrm	hypo	CG	-0.967
Gm18	43940644	43940733	Gmdrm	hypo	CG	-0.6033
Gm18	43940837	43941219	Gmdrm	hypo	CG	-0.8207
Gm18	43981933	43982091	Gmdrm	hypo	CG	-0.543
Gm18	44029494	44029664	Gmdrm	hypo	CG	-0.652
Gm18	44029869	44029974	Gmdrm	hypo	CG	-0.22
Gm18	44030603	44030678	Gmdrm	hypo	CG	-0.1
Gm18	44032769	44033134	Gmdrm	hypo	CG	-0.0769
Gm18	44040119	44040207	Gmdrm	hypo	CG	-0.3643
Gm18	44048615	44048756	Gmdrm	hypo	CG	-0.4545
Gm18	44049614	44049874	Gmdrm	hypo	CG	-0.8055
Gm18	44056469	44056616	Gmdrm	hypo	CG	-0.5538
Gm18	44070149	44070191	Gmdrm	hypo	CG	-0.4384
Gm18	44080883	44081101	Gmdrm	hypo	CG	-0.1154
Gm18	44159446	44159481	Gmdrm	hypo	CG	-0.87
Gm18	44159750	44159881	Gmdrm	hypo	CG	-0.731
Gm18	44199463	44199659	Gmdrm	hypo	CG	-0.6313
Gm18	44216642	44216762	Gmdrm	hypo	CG	-0.562
Gm18	44234677	44234789	Gmdrm	hypo	CG	-0.7267
Gm18	44235513	44235588	Gmdrm	hypo	CG	-0.764
Gm18	44237239	44237506	Gmdrm	hypo	CG	-0.3315
Gm18	44253251	44253293	Gmdrm	hypo	CG	-0.1717
Gm18	44254067	44254228	Gmdrm	hypo	CG	-0.034
Gm18	44254423	44254530	Gmdrm	hypo	CG	-0.9513
Gm18	44258153	44258240	Gmdrm	hypo	CG	-0.389
Gm18	44258617	44258686	Gmdrm	hypo	CG	-0.2312
Gm18	44274818	44275122	Gmdrm	hypo	CG	-0.0275
Gm18	44281333	44281428	Gmdrm	hypo	CG	-0.0687
Gm18	44281985	44282047	Gmdrm	hypo	CG	-0.4224

Gm18	44283561	44283779	Gmdrm	hypo	CG	-0.931
Gm18	44335886	44335933	Gmdrm	hypo	CG	-0.058
Gm18	44349923	44350111	Gmdrm	hypo	CG	-0.5226
Gm18	44350226	44350415	Gmdrm	hypo	CG	-0.3746
Gm18	44380493	44380785	Gmdrm	hypo	CG	-0.0528
Gm18	44386605	44386745	Gmdrm	hypo	CG	-0.63
Gm18	44405258	44405479	Gmdrm	hypo	CG	-0.425
Gm18	44407931	44408009	Gmdrm	hypo	CG	-0.735
Gm18	44408242	44408440	Gmdrm	hypo	CG	-0.103
Gm18	44430019	44430166	Gmdrm	hypo	CG	-0.8872
Gm18	44435559	44435640	Gmdrm	hypo	CG	-0.935
Gm18	44459295	44459500	Gmdrm	hypo	CG	-0.6634
Gm18	44526353	44526417	Gmdrm	hypo	CG	-0.073
Gm18	44547794	44547818	Gmdrm	hypo	CG	-0.7967
Gm18	44561580	44561634	Gmdrm	hypo	CG	-0.5738
Gm18	44615438	44615556	Gmdrm	hypo	CG	-0.888
Gm18	44642641	44642713	Gmdrm	hypo	CG	-0.1112
Gm18	44643786	44643880	Gmdrm	hypo	CG	-0.7983
Gm18	44644010	44644036	Gmdrm	hypo	CG	-0.78
Gm18	44644162	44644231	Gmdrm	hypo	CG	-0.425
Gm18	44668392	44668439	Gmdrm	hypo	CG	-0.34
Gm18	44669856	44669991	Gmdrm	hypo	CG	-0.1416
Gm18	44687197	44687229	Gmdrm	hypo	CG	-0.088
Gm18	44694351	44694479	Gmdrm	hypo	CG	-0.9475
Gm18	44694759	44694904	Gmdrm	hypo	CG	-0.8283
Gm18	44726798	44726837	Gmdrm	hypo	CG	-0.325
Gm18	44729034	44729083	Gmdrm	hypo	CG	-0.5317
Gm18	44735773	44735968	Gmdrm	hypo	CG	-0.2036
Gm18	44792103	44792282	Gmdrm	hypo	CG	-0.0463
Gm18	44886868	44887079	Gmdrm	hypo	CG	-0.038
Gm18	44887426	44887531	Gmdrm	hypo	CG	-0.3101
Gm18	44897695	44897826	Gmdrm	hypo	CG	-0.9333
Gm18	44901873	44902117	Gmdrm	hypo	CG	-0.8975
Gm18	44950183	44950197	Gmdrm	hypo	CG	-0.96
Gm18	44977725	44977864	Gmdrm	hypo	CG	-0.364
Gm18	44992710	44992907	Gmdrm	hypo	CG	-0.0396
Gm18	44996174	44996315	Gmdrm	hypo	CG	-0.56
Gm18	45006253	45006303	Gmdrm	hypo	CG	-0.9549
Gm18	45028048	45028457	Gmdrm	hypo	CG	-0.0493
Gm18	45044479	45044717	Gmdrm	hypo	CG	-0.08
Gm18	45060978	45061440	Gmdrm	hypo	CG	-0.0919
Gm18	45108857	45109087	Gmdrm	hypo	CG	-0.0662
Gm18	45116970	45117148	Gmdrm	hypo	CG	-0.4617
Gm18	45131268	45131550	Gmdrm	hypo	CG	-0.6728
Gm18	45207983	45208094	Gmdrm	hypo	CG	-0.0499
Gm18	45238690	45238918	Gmdrm	hypo	CG	-0.24

Gm18	45248297	45248355	Gmdrm	hypo	CG	-0.1538
Gm18	45253535	45253884	Gmdrm	hypo	CG	-0.1839
Gm18	45295879	45295961	Gmdrm	hypo	CG	-0.6833
Gm18	45315854	45315925	Gmdrm	hypo	CG	-0.6437
Gm18	45334109	45334223	Gmdrm	hypo	CG	-0.62
Gm18	45338262	45338377	Gmdrm	hypo	CG	-0.3583
Gm18	45338796	45338991	Gmdrm	hypo	CG	-0.7262
Gm18	45339277	45339328	Gmdrm	hypo	CG	-0.5217
Gm18	45404994	45405189	Gmdrm	hypo	CG	-0.17
Gm18	45409329	45409380	Gmdrm	hypo	CG	-0.2167
Gm18	45432671	45432878	Gmdrm	hypo	CG	-0.0756
Gm18	45433035	45433111	Gmdrm	hypo	CG	-0.5012
Gm18	45462731	45462815	Gmdrm	hypo	CG	-0.925
Gm18	45463360	45463558	Gmdrm	hypo	CG	-0.858
Gm18	45502328	45502886	Gmdrm	hypo	CG	-0.033
Gm18	45518491	45518800	Gmdrm	hypo	CG	-0.0631
Gm18	45534771	45535394	Gmdrm	hypo	CG	-0.04
Gm18	45560477	45560623	Gmdrm	hypo	CG	-0.065
Gm18	45655110	45655844	Gmdrm	hypo	CG	-0.0694
Gm18	45725222	45725309	Gmdrm	hypo	CG	-0.085
Gm18	45813820	45813830	Gmdrm	hypo	CG	-0.4963
Gm18	45850339	45850536	Gmdrm	hypo	CG	-0.0504
Gm18	45860043	45860265	Gmdrm	hypo	CG	-0.0763
Gm18	45881372	45881575	Gmdrm	hypo	CG	-0.06
Gm18	45894941	45895774	Gmdrm	hypo	CG	-0.0405
Gm18	45904249	45904597	Gmdrm	hypo	CG	-0.054
Gm18	45935622	45935989	Gmdrm	hypo	CG	-0.0317
Gm18	45959452	45959740	Gmdrm	hypo	CG	-0.5678
Gm18	45970208	45970381	Gmdrm	hypo	CG	-0.522
Gm18	45999223	45999278	Gmdrm	hypo	CG	-0.5134
Gm18	46043854	46044057	Gmdrm	hypo	CG	-0.1238
Gm18	46082109	46082405	Gmdrm	hypo	CG	-0.0675
Gm18	46088359	46088569	Gmdrm	hypo	CG	-0.7958
Gm18	46098051	46098147	Gmdrm	hypo	CG	-0.7701
Gm18	46105072	46105286	Gmdrm	hypo	CG	-0.0531
Gm18	46141441	46141468	Gmdrm	hypo	CG	-0.1887
Gm18	46154612	46154733	Gmdrm	hypo	CG	-0.0866
Gm18	46201854	46202000	Gmdrm	hypo	CG	-0.262
Gm18	46202244	46202580	Gmdrm	hypo	CG	-0.5961
Gm18	46202931	46203134	Gmdrm	hypo	CG	-0.4015
Gm18	46206418	46206606	Gmdrm	hypo	CG	-0.8226
Gm18	46216679	46216790	Gmdrm	hypo	CG	-0.36
Gm18	46220346	46220412	Gmdrm	hypo	CG	-0.4917
Gm18	46220854	46221138	Gmdrm	hypo	CG	-0.3086
Gm18	46255368	46255544	Gmdrm	hypo	CG	-0.1893
Gm18	46281555	46281654	Gmdrm	hypo	CG	-0.0734

Gm18	46284131	46284258	Gmdrm	hypo	CG	-0.0588
Gm18	46314737	46314789	Gmdrm	hypo	CG	-0.28
Gm18	46319085	46319208	Gmdrm	hypo	CG	-0.885
Gm18	46365075	46365115	Gmdrm	hypo	CG	-0.3534
Gm18	46380461	46380535	Gmdrm	hypo	CG	-0.0663
Gm18	46391386	46391658	Gmdrm	hypo	CG	-0.4155
Gm18	46391782	46391815	Gmdrm	hypo	CG	-0.3417
Gm18	46394245	46394475	Gmdrm	hypo	CG	-0.4237
Gm18	46394738	46394919	Gmdrm	hypo	CG	-0.7231
Gm18	46397826	46398041	Gmdrm	hypo	CG	-0.6889
Gm18	46398609	46398869	Gmdrm	hypo	CG	-0.3886
Gm18	46402237	46402297	Gmdrm	hypo	CG	-0.098
Gm18	46402399	46402752	Gmdrm	hypo	CG	-0.6856
Gm18	46402857	46402953	Gmdrm	hypo	CG	-0.1207
Gm18	46408541	46408643	Gmdrm	hypo	CG	-0.64
Gm18	46408858	46408897	Gmdrm	hypo	CG	-0.0384
Gm18	46409624	46409700	Gmdrm	hypo	CG	-0.8162
Gm18	46421499	46421654	Gmdrm	hypo	CG	-0.4355
Gm18	46421927	46421964	Gmdrm	hypo	CG	-0.4263
Gm18	46422140	46422425	Gmdrm	hypo	CG	-0.7217
Gm18	46430842	46431036	Gmdrm	hypo	CG	-0.2743
Gm18	46431231	46431370	Gmdrm	hypo	CG	-0.23
Gm18	46511682	46512346	Gmdrm	hypo	CG	-0.0987
Gm18	46543933	46543968	Gmdrm	hypo	CG	-0.7338
Gm18	46558619	46558820	Gmdrm	hypo	CG	-0.05
Gm18	46581034	46581188	Gmdrm	hypo	CG	-0.217
Gm18	46619567	46619736	Gmdrm	hypo	CG	-0.8517
Gm18	46687409	46687821	Gmdrm	hypo	CG	-0.051
Gm18	46701869	46702089	Gmdrm	hypo	CG	-0.3983
Gm18	46717235	46717598	Gmdrm	hypo	CG	-0.2414
Gm18	46733626	46733816	Gmdrm	hypo	CG	-0.045
Gm18	46741956	46742117	Gmdrm	hypo	CG	-0.0926
Gm18	46767131	46767311	Gmdrm	hypo	CG	-0.581
Gm18	46775284	46775368	Gmdrm	hypo	CG	-0.415
Gm18	46775513	46775637	Gmdrm	hypo	CG	-0.435
Gm18	46776179	46776341	Gmdrm	hypo	CG	-0.7225
Gm18	46803610	46803749	Gmdrm	hypo	CG	-0.3857
Gm18	46805054	46805217	Gmdrm	hypo	CG	-0.8587
Gm18	46805342	46805526	Gmdrm	hypo	CG	-0.895
Gm18	46805821	46805912	Gmdrm	hypo	CG	-0.7234
Gm18	46807780	46807970	Gmdrm	hypo	CG	-0.349
Gm18	46818899	46819295	Gmdrm	hypo	CG	-0.5906
Gm18	46819613	46819731	Gmdrm	hypo	CG	-0.185
Gm18	46822041	46822388	Gmdrm	hypo	CG	-0.435
Gm18	46823974	46824006	Gmdrm	hypo	CG	-0.0666
Gm18	46824463	46824865	Gmdrm	hypo	CG	-0.416

Gm18	46831856	46832139	Gmdrm	hypo	CG	-0.7386
Gm18	46832254	46832389	Gmdrm	hypo	CG	-0.8957
Gm18	46839533	46839631	Gmdrm	hypo	CG	-0.892
Gm18	46846749	46847218	Gmdrm	hypo	CG	-0.1037
Gm18	46849313	46849565	Gmdrm	hypo	CG	-0.4927
Gm18	46855872	46855954	Gmdrm	hypo	CG	-0.705
Gm18	46856104	46856248	Gmdrm	hypo	CG	-0.955
Gm18	46930635	46930728	Gmdrm	hypo	CG	-0.0866
Gm18	46939384	46939513	Gmdrm	hypo	CG	-0.038
Gm18	46939707	46939724	Gmdrm	hypo	CG	-0.935
Gm18	46940045	46940216	Gmdrm	hypo	CG	-0.7129
Gm18	46958891	46959185	Gmdrm	hypo	CG	-0.8438
Gm18	46960347	46960739	Gmdrm	hypo	CG	-0.34
Gm18	46994479	46994766	Gmdrm	hypo	CG	-0.9122
Gm18	46996451	46996679	Gmdrm	hypo	CG	-0.6269
Gm18	46997572	46997834	Gmdrm	hypo	CG	-0.3914
Gm18	47004776	47005413	Gmdrm	hypo	CG	-0.0452
Gm18	47022198	47022378	Gmdrm	hypo	CG	-0.168
Gm18	47029235	47029403	Gmdrm	hypo	CG	-0.27
Gm18	47036896	47037026	Gmdrm	hypo	CG	-0.705
Gm18	47037710	47037924	Gmdrm	hypo	CG	-0.6814
Gm18	47120912	47120995	Gmdrm	hypo	CG	-0.706
Gm18	47133795	47133849	Gmdrm	hypo	CG	-0.8133
Gm18	47134038	47134194	Gmdrm	hypo	CG	-0.085
Gm18	47135339	47135847	Gmdrm	hypo	CG	-0.6696
Gm18	47148729	47149072	Gmdrm	hypo	CG	-0.222
Gm18	47156298	47156394	Gmdrm	hypo	CG	-0.638
Gm18	47180041	47180167	Gmdrm	hypo	CG	-0.0462
Gm18	47221118	47221240	Gmdrm	hypo	CG	-0.03
Gm18	47226005	47226085	Gmdrm	hypo	CG	-0.6283
Gm18	47233886	47234099	Gmdrm	hypo	CG	-0.5644
Gm18	47238125	47238580	Gmdrm	hypo	CG	-0.815
Gm18	47239925	47240925	Gmdrm	hypo	CG	-0.2148
Gm18	47313898	47314025	Gmdrm	hypo	CG	-0.7024
Gm18	47328425	47328533	Gmdrm	hypo	CG	-0.034
Gm18	47345597	47345623	Gmdrm	hypo	CG	-0.8266
Gm18	47345925	47346026	Gmdrm	hypo	CG	-0.8433
Gm18	47377617	47377719	Gmdrm	hypo	CG	-0.8962
Gm18	47385885	47386279	Gmdrm	hypo	CG	-0.132
Gm18	47465509	47465819	Gmdrm	hypo	CG	-0.5035
Gm18	47486007	47486087	Gmdrm	hypo	CG	-0.865
Gm18	47550591	47550672	Gmdrm	hypo	CG	-0.0433
Gm18	47616361	47616440	Gmdrm	hypo	CG	-0.8666
Gm18	47630743	47630941	Gmdrm	hypo	CG	-0.0322
Gm18	47634406	47634510	Gmdrm	hypo	CG	-0.0342
Gm18	47645650	47645791	Gmdrm	hypo	CG	-0.2963

Gm18	47647991	47648104	Gmdrm	hypo	CG	-0.0888
Gm18	47652356	47652521	Gmdrm	hypo	CG	-0.4375
Gm18	47654608	47654704	Gmdrm	hypo	CG	-0.6667
Gm18	47656712	47656835	Gmdrm	hypo	CG	-0.087
Gm18	47682776	47683018	Gmdrm	hypo	CG	-0.2359
Gm18	47685143	47685552	Gmdrm	hypo	CG	-0.3362
Gm18	47687371	47687719	Gmdrm	hypo	CG	-0.3278
Gm18	47687842	47687921	Gmdrm	hypo	CG	-0.3233
Gm18	47688026	47688090	Gmdrm	hypo	CG	-0.1333
Gm18	47688932	47689034	Gmdrm	hypo	CG	-0.2313
Gm18	47709140	47709346	Gmdrm	hypo	CG	-0.515
Gm18	47711010	47711181	Gmdrm	hypo	CG	-0.555
Gm18	47725080	47725536	Gmdrm	hypo	CG	-0.0598
Gm18	47731635	47731711	Gmdrm	hypo	CG	-0.0279
Gm18	47743359	47744010	Gmdrm	hypo	CG	-0.0286
Gm18	47747310	47747441	Gmdrm	hypo	CG	-0.405
Gm18	47752260	47752590	Gmdrm	hypo	CG	-0.0331
Gm18	47797691	47797966	Gmdrm	hypo	CG	-0.9395
Gm18	47798074	47798114	Gmdrm	hypo	CG	-0.895
Gm18	47811768	47812265	Gmdrm	hypo	CG	-0.7364
Gm18	47823740	47823968	Gmdrm	hypo	CG	-0.0315
Gm18	47833430	47833475	Gmdrm	hypo	CG	-0.885
Gm18	47854861	47855059	Gmdrm	hypo	CG	-0.7375
Gm18	47877658	47877744	Gmdrm	hypo	CG	-0.0883
Gm18	47879492	47879736	Gmdrm	hypo	CG	-0.3391
Gm18	47892294	47892450	Gmdrm	hypo	CG	-0.6038
Gm18	47894987	47895101	Gmdrm	hypo	CG	-0.5645
Gm18	47896618	47896840	Gmdrm	hypo	CG	-0.8875
Gm18	47905559	47905808	Gmdrm	hypo	CG	-0.0694
Gm18	47932163	47932375	Gmdrm	hypo	CG	-0.0935
Gm18	47956493	47956811	Gmdrm	hypo	CG	-0.0478
Gm18	47975169	47975322	Gmdrm	hypo	CG	-0.5983
Gm18	47985546	47985571	Gmdrm	hypo	CG	-0.1825
Gm18	48011393	48011444	Gmdrm	hypo	CG	-0.6933
Gm18	48022267	48022479	Gmdrm	hypo	CG	-0.4657
Gm18	48046745	48046933	Gmdrm	hypo	CG	-0.641
Gm18	48047168	48047341	Gmdrm	hypo	CG	-0.052
Gm18	48051192	48051319	Gmdrm	hypo	CG	-0.0488
Gm18	48059767	48059940	Gmdrm	hypo	CG	-0.2234
Gm18	48121273	48121345	Gmdrm	hypo	CG	-0.9117
Gm18	48151497	48151552	Gmdrm	hypo	CG	-0.6366
Gm18	48153684	48153716	Gmdrm	hypo	CG	-0.9483
Gm18	48170910	48171276	Gmdrm	hypo	CG	-0.0343
Gm18	48187760	48188031	Gmdrm	hypo	CG	-0.3506
Gm18	48205313	48205390	Gmdrm	hypo	CG	-0.9267
Gm18	48218043	48218129	Gmdrm	hypo	CG	-0.946

Gm18	48231450	48231713	Gmdrm	hypo	CG	-0.214
Gm18	48237389	48237430	Gmdrm	hypo	CG	-0.4184
Gm18	48237646	48237814	Gmdrm	hypo	CG	-0.3325
Gm18	48246732	48246966	Gmdrm	hypo	CG	-0.4925
Gm18	48257656	48257773	Gmdrm	hypo	CG	-0.5916
Gm18	48267268	48267364	Gmdrm	hypo	CG	-0.656
Gm18	48305578	48306133	Gmdrm	hypo	CG	-0.4775
Gm18	48306840	48306898	Gmdrm	hypo	CG	-0.4717
Gm18	48324789	48324982	Gmdrm	hypo	CG	-0.629
Gm18	48328862	48329125	Gmdrm	hypo	CG	-0.076
Gm18	48334274	48334508	Gmdrm	hypo	CG	-0.5865
Gm18	48337256	48337342	Gmdrm	hypo	CG	-0.9683
Gm18	48341488	48341832	Gmdrm	hypo	CG	-0.05
Gm18	48349341	48349406	Gmdrm	hypo	CG	-0.125
Gm18	48350640	48350716	Gmdrm	hypo	CG	-0.315
Gm18	48352698	48352834	Gmdrm	hypo	CG	-0.6464
Gm18	48365688	48365805	Gmdrm	hypo	CG	-0.052
Gm18	48368109	48368217	Gmdrm	hypo	CG	-0.0672
Gm18	48384285	48384451	Gmdrm	hypo	CG	-0.8214
Gm18	48384615	48384707	Gmdrm	hypo	CG	-0.9317
Gm18	48393264	48393384	Gmdrm	hypo	CG	-0.0884
Gm18	48410908	48411297	Gmdrm	hypo	CG	-0.5676
Gm18	48414251	48414386	Gmdrm	hypo	CG	-0.6434
Gm18	48433631	48433739	Gmdrm	hypo	CG	-0.105
Gm18	48441515	48441548	Gmdrm	hypo	CG	-0.565
Gm18	48444048	48444167	Gmdrm	hypo	CG	-0.8767
Gm18	48444781	48444946	Gmdrm	hypo	CG	-0.8183
Gm18	48450110	48450136	Gmdrm	hypo	CG	-0.4883
Gm18	48451068	48451156	Gmdrm	hypo	CG	-0.05
Gm18	48455520	48455585	Gmdrm	hypo	CG	-0.8334
Gm18	48455705	48455790	Gmdrm	hypo	CG	-0.7043
Gm18	48469899	48469935	Gmdrm	hypo	CG	-0.655
Gm18	48470198	48470417	Gmdrm	hypo	CG	-0.3889
Gm18	48477794	48478037	Gmdrm	hypo	CG	-0.4095
Gm18	48510991	48511232	Gmdrm	hypo	CG	-0.1811
Gm18	48511871	48512040	Gmdrm	hypo	CG	-0.8507
Gm18	48514949	48515343	Gmdrm	hypo	CG	-0.6711
Gm18	48515975	48516060	Gmdrm	hypo	CG	-0.3467
Gm18	48533207	48533378	Gmdrm	hypo	CG	-0.8614
Gm18	48557231	48557333	Gmdrm	hypo	CG	-0.0588
Gm18	48563289	48563530	Gmdrm	hypo	CG	-0.8121
Gm18	48602202	48602307	Gmdrm	hypo	CG	-0.0457
Gm18	48610230	48610506	Gmdrm	hypo	CG	-0.659
Gm18	48641830	48641954	Gmdrm	hypo	CG	-0.5225
Gm18	48642439	48642573	Gmdrm	hypo	CG	-0.978
Gm18	48644037	48644260	Gmdrm	hypo	CG	-0.7925

Gm18	48676842	48676993	Gmdrm	hypo	CG	-0.6913
Gm18	48680479	48680831	Gmdrm	hypo	CG	-0.5882
Gm18	48683697	48683812	Gmdrm	hypo	CG	-0.226
Gm18	48683916	48684036	Gmdrm	hypo	CG	-0.3371
Gm18	48711709	48711824	Gmdrm	hypo	CG	-0.1124
Gm18	48770310	48770364	Gmdrm	hypo	CG	-0.1143
Gm18	48793720	48794178	Gmdrm	hypo	CG	-0.0628
Gm18	48798397	48799358	Gmdrm	hypo	CG	-0.1547
Gm18	48801120	48801334	Gmdrm	hypo	CG	-0.2645
Gm18	48807503	48807705	Gmdrm	hypo	CG	-0.209
Gm18	48807809	48807918	Gmdrm	hypo	CG	-0.235
Gm18	48813605	48813689	Gmdrm	hypo	CG	-0.098
Gm18	48821174	48821250	Gmdrm	hypo	CG	-0.0367
Gm18	48821599	48821618	Gmdrm	hypo	CG	-0.9175
Gm18	48821868	48822075	Gmdrm	hypo	CG	-0.7125
Gm18	48825396	48825452	Gmdrm	hypo	CG	-0.5971
Gm18	48825755	48825935	Gmdrm	hypo	CG	-0.326
Gm18	48850481	48850868	Gmdrm	hypo	CG	-0.3145
Gm18	48851156	48851216	Gmdrm	hypo	CG	-0.0867
Gm18	48853101	48853397	Gmdrm	hypo	CG	-0.1895
Gm18	48854950	48855321	Gmdrm	hypo	CG	-0.745
Gm18	48864458	48864509	Gmdrm	hypo	CG	-0.04
Gm18	48878778	48878946	Gmdrm	hypo	CG	-0.823
Gm18	48902274	48902406	Gmdrm	hypo	CG	-0.1526
Gm18	48903846	48904053	Gmdrm	hypo	CG	-0.715
Gm18	48912408	48912606	Gmdrm	hypo	CG	-0.631
Gm18	48917867	48918048	Gmdrm	hypo	CG	-0.0511
Gm18	48919448	48919609	Gmdrm	hypo	CG	-0.4067
Gm18	48935545	48935881	Gmdrm	hypo	CG	-0.03
Gm18	48959325	48959392	Gmdrm	hypo	CG	-0.5533
Gm18	48959669	48959873	Gmdrm	hypo	CG	-0.961
Gm18	48969328	48969649	Gmdrm	hypo	CG	-0.052
Gm18	48969797	48970444	Gmdrm	hypo	CG	-0.0369
Gm18	48972833	48972900	Gmdrm	hypo	CG	-0.6383
Gm18	48985333	48985701	Gmdrm	hypo	CG	-0.0312
Gm18	48985976	48986131	Gmdrm	hypo	CG	-0.635
Gm18	49047336	49047413	Gmdrm	hypo	CG	-0.6
Gm18	49079967	49080491	Gmdrm	hypo	CG	-0.5116
Gm18	49080895	49081458	Gmdrm	hypo	CG	-0.3914
Gm18	49083837	49083934	Gmdrm	hypo	CG	-0.1701
Gm18	49086138	49086248	Gmdrm	hypo	CG	-0.54
Gm18	49086755	49086823	Gmdrm	hypo	CG	-0.1333
Gm18	49087259	49087378	Gmdrm	hypo	CG	-0.44
Gm18	49087481	49087582	Gmdrm	hypo	CG	-0.356
Gm18	49087739	49087857	Gmdrm	hypo	CG	-0.5743
Gm18	49107771	49107835	Gmdrm	hypo	CG	-0.9434

Gm18	49109781	49110408	Gmdrm	hypo	CG	-0.137
Gm18	49137599	49137735	Gmdrm	hypo	CG	-0.5088
Gm18	49139757	49140007	Gmdrm	hypo	CG	-0.3367
Gm18	49142479	49142528	Gmdrm	hypo	CG	-0.6317
Gm18	49153914	49154184	Gmdrm	hypo	CG	-0.1236
Gm18	49164839	49164884	Gmdrm	hypo	CG	-0.5817
Gm18	49169435	49169757	Gmdrm	hypo	CG	-0.1132
Gm18	49193950	49194192	Gmdrm	hypo	CG	-0.667
Gm18	49194320	49194402	Gmdrm	hypo	CG	-0.8417
Gm18	49203968	49204173	Gmdrm	hypo	CG	-0.0843
Gm18	49260199	49260283	Gmdrm	hypo	CG	-0.028
Gm18	49263063	49263123	Gmdrm	hypo	CG	-0.7233
Gm18	49263945	49264101	Gmdrm	hypo	CG	-0.543
Gm18	49264557	49264679	Gmdrm	hypo	CG	-0.3513
Gm18	49264786	49264840	Gmdrm	hypo	CG	-0.347
Gm18	49266487	49266525	Gmdrm	hypo	CG	-0.9317
Gm18	49266888	49267105	Gmdrm	hypo	CG	-0.5056
Gm18	49288552	49288655	Gmdrm	hypo	CG	-0.7025
Gm18	49288762	49288804	Gmdrm	hypo	CG	-0.8599
Gm18	49328191	49328383	Gmdrm	hypo	CG	-0.723
Gm18	49334961	49335073	Gmdrm	hypo	CG	-0.543
Gm18	49335865	49335909	Gmdrm	hypo	CG	-0.82
Gm18	49336039	49336386	Gmdrm	hypo	CG	-0.73
Gm18	49337233	49337543	Gmdrm	hypo	CG	-0.5165
Gm18	49337890	49338039	Gmdrm	hypo	CG	-0.7367
Gm18	49341534	49341626	Gmdrm	hypo	CG	-0.095
Gm18	49342383	49342595	Gmdrm	hypo	CG	-0.103
Gm18	49356824	49357111	Gmdrm	hypo	CG	-0.0577
Gm18	49364824	49365208	Gmdrm	hypo	CG	-0.0374
Gm18	49377617	49377938	Gmdrm	hypo	CG	-0.6718
Gm18	49407527	49407818	Gmdrm	hypo	CG	-0.054
Gm18	49420621	49420708	Gmdrm	hypo	CG	-0.6075
Gm18	49426974	49427484	Gmdrm	hypo	CG	-0.2728
Gm18	49438629	49438869	Gmdrm	hypo	CG	-0.08
Gm18	49451885	49451965	Gmdrm	hypo	CG	-0.068
Gm18	49455587	49455901	Gmdrm	hypo	CG	-0.11
Gm18	49464236	49464324	Gmdrm	hypo	CG	-0.3088
Gm18	49467960	49468033	Gmdrm	hypo	CG	-0.3075
Gm18	49490562	49490839	Gmdrm	hypo	CG	-0.0841
Gm18	49521363	49521612	Gmdrm	hypo	CG	-0.09
Gm18	49564225	49564406	Gmdrm	hypo	CG	-0.554
Gm18	49577644	49577785	Gmdrm	hypo	CG	-0.57
Gm18	49578017	49578110	Gmdrm	hypo	CG	-0.98
Gm18	49578749	49578960	Gmdrm	hypo	CG	-0.525
Gm18	49579546	49579698	Gmdrm	hypo	CG	-0.33
Gm18	49590644	49590895	Gmdrm	hypo	CG	-0.9733

Gm18	49606504	49606642	Gmdrm	hypo	CG	-0.4175
Gm18	49606753	49607259	Gmdrm	hypo	CG	-0.3687
Gm18	49616487	49616603	Gmdrm	hypo	CG	-0.7534
Gm18	49632298	49632464	Gmdrm	hypo	CG	-0.7283
Gm18	49632867	49632980	Gmdrm	hypo	CG	-0.784
Gm18	49638832	49638967	Gmdrm	hypo	CG	-0.643
Gm18	49644456	49644716	Gmdrm	hypo	CG	-0.2882
Gm18	49653916	49654051	Gmdrm	hypo	CG	-0.499
Gm18	49659353	49659420	Gmdrm	hypo	CG	-0.126
Gm18	49675379	49675440	Gmdrm	hypo	CG	-0.5266
Gm18	49685273	49685426	Gmdrm	hypo	CG	-0.0267
Gm18	49686315	49686426	Gmdrm	hypo	CG	-0.963
Gm18	49687077	49687131	Gmdrm	hypo	CG	-0.8087
Gm18	49700417	49700485	Gmdrm	hypo	CG	-0.0467
Gm18	49719058	49719259	Gmdrm	hypo	CG	-0.0956
Gm18	49734945	49735035	Gmdrm	hypo	CG	-0.12
Gm18	49776932	49776973	Gmdrm	hypo	CG	-0.9617
Gm18	49778961	49779145	Gmdrm	hypo	CG	-0.7445
Gm18	49779375	49779548	Gmdrm	hypo	CG	-0.752
Gm18	49786548	49787397	Gmdrm	hypo	CG	-0.4163
Gm18	49798395	49798557	Gmdrm	hypo	CG	-0.3062
Gm18	49805712	49806124	Gmdrm	hypo	CG	-0.7529
Gm18	49806689	49806776	Gmdrm	hypo	CG	-0.9593
Gm18	49810752	49810889	Gmdrm	hypo	CG	-0.779
Gm18	49821705	49821778	Gmdrm	hypo	CG	-0.5016
Gm18	49834800	49835246	Gmdrm	hypo	CG	-0.1909
Gm18	49863212	49863345	Gmdrm	hypo	CG	-0.051
Gm18	49908476	49908618	Gmdrm	hypo	CG	-0.2392
Gm18	49918465	49918647	Gmdrm	hypo	CG	-0.3992
Gm18	49918788	49918804	Gmdrm	hypo	CG	-0.5617
Gm18	49925550	49925751	Gmdrm	hypo	CG	-0.56
Gm18	49935470	49935622	Gmdrm	hypo	CG	-0.0758
Gm18	49960422	49960539	Gmdrm	hypo	CG	-0.7684
Gm18	49961124	49961213	Gmdrm	hypo	CG	-0.414
Gm18	49962231	49962485	Gmdrm	hypo	CG	-0.4525
Gm18	49964698	49965176	Gmdrm	hypo	CG	-0.0909
Gm18	49973662	49973784	Gmdrm	hypo	CG	-0.985
Gm18	49992047	49992222	Gmdrm	hypo	CG	-0.372
Gm18	49992443	49992656	Gmdrm	hypo	CG	-0.0583
Gm18	49993000	49993105	Gmdrm	hypo	CG	-0.5575
Gm18	49994724	49994868	Gmdrm	hypo	CG	-0.7511
Gm18	49998735	49998944	Gmdrm	hypo	CG	-0.0343
Gm18	50027511	50027621	Gmdrm	hypo	CG	-0.246
Gm18	50034889	50034969	Gmdrm	hypo	CG	-0.4537
Gm18	50039343	50039694	Gmdrm	hypo	CG	-0.067
Gm18	50045688	50045896	Gmdrm	hypo	CG	-0.5264

Gm18	50046105	50046246	Gmdrm	hypo	CG	-0.074
Gm18	50051426	50051567	Gmdrm	hypo	CG	-0.1191
Gm18	50076882	50077110	Gmdrm	hypo	CG	-0.7741
Gm18	50097805	50098189	Gmdrm	hypo	CG	-0.236
Gm18	50105627	50105762	Gmdrm	hypo	CG	-0.9917
Gm18	50106032	50106180	Gmdrm	hypo	CG	-0.83
Gm18	50106359	50106465	Gmdrm	hypo	CG	-0.8183
Gm18	50107868	50107943	Gmdrm	hypo	CG	-0.6833
Gm18	50108097	50108125	Gmdrm	hypo	CG	-0.9567
Gm18	50113142	50113304	Gmdrm	hypo	CG	-0.034
Gm18	50121143	50121635	Gmdrm	hypo	CG	-0.3483
Gm18	50127492	50127838	Gmdrm	hypo	CG	-0.1455
Gm18	50127940	50128461	Gmdrm	hypo	CG	-0.4608
Gm18	50137335	50137436	Gmdrm	hypo	CG	-0.21
Gm18	50152453	50152759	Gmdrm	hypo	CG	-0.4938
Gm18	50154647	50154757	Gmdrm	hypo	CG	-0.4583
Gm18	50155032	50155098	Gmdrm	hypo	CG	-0.1817
Gm18	50155339	50155575	Gmdrm	hypo	CG	-0.73
Gm18	50155719	50155796	Gmdrm	hypo	CG	-0.87
Gm18	50156518	50156537	Gmdrm	hypo	CG	-0.7416
Gm18	50162724	50162875	Gmdrm	hypo	CG	-0.3312
Gm18	50192026	50192178	Gmdrm	hypo	CG	-0.98
Gm18	50194675	50194902	Gmdrm	hypo	CG	-0.6189
Gm18	50195418	50195461	Gmdrm	hypo	CG	-0.1216
Gm18	50216339	50216519	Gmdrm	hypo	CG	-0.03
Gm18	50241743	50241813	Gmdrm	hypo	CG	-0.7465
Gm18	50243623	50243828	Gmdrm	hypo	CG	-0.512
Gm18	50243995	50244053	Gmdrm	hypo	CG	-0.5717
Gm18	50264278	50264345	Gmdrm	hypo	CG	-0.2862
Gm18	50269426	50269870	Gmdrm	hypo	CG	-0.4445
Gm18	50276407	50276526	Gmdrm	hypo	CG	-0.8716
Gm18	50289266	50289444	Gmdrm	hypo	CG	-0.9434
Gm18	50290890	50290934	Gmdrm	hypo	CG	-0.55
Gm18	50296518	50296697	Gmdrm	hypo	CG	-0.9823
Gm18	50296806	50296931	Gmdrm	hypo	CG	-0.7433
Gm18	50297215	50297335	Gmdrm	hypo	CG	-0.591
Gm18	50311561	50311696	Gmdrm	hypo	CG	-0.6117
Gm18	50318510	50318586	Gmdrm	hypo	CG	-0.1712
Gm18	50318968	50318993	Gmdrm	hypo	CG	-0.25
Gm18	50337758	50337804	Gmdrm	hypo	CG	-0.2163
Gm18	50341734	50341888	Gmdrm	hypo	CG	-0.9537
Gm18	50351483	50351584	Gmdrm	hypo	CG	-0.1512
Gm18	50361703	50361814	Gmdrm	hypo	CG	-0.635
Gm18	50363413	50363912	Gmdrm	hypo	CG	-0.3644
Gm18	50364666	50364827	Gmdrm	hypo	CG	-0.034
Gm18	50391312	50391376	Gmdrm	hypo	CG	-0.155

Gm18	50392463	50392624	Gmdrm	hypo	CG	-0.7762
Gm18	50405027	50405123	Gmdrm	hypo	CG	-0.8533
Gm18	50405226	50405385	Gmdrm	hypo	CG	-0.92
Gm18	50412284	50412426	Gmdrm	hypo	CG	-0.9758
Gm18	50412784	50412811	Gmdrm	hypo	CG	-0.9737
Gm18	50416699	50416789	Gmdrm	hypo	CG	-0.7641
Gm18	50461528	50461544	Gmdrm	hypo	CG	-0.8516
Gm18	50464909	50465128	Gmdrm	hypo	CG	-0.4239
Gm18	50465310	50465418	Gmdrm	hypo	CG	-0.9343
Gm18	50471239	50471410	Gmdrm	hypo	CG	-0.074
Gm18	50474116	50474444	Gmdrm	hypo	CG	-0.4125
Gm18	50507565	50507864	Gmdrm	hypo	CG	-0.1165
Gm18	50518351	50518835	Gmdrm	hypo	CG	-0.5056
Gm18	50520575	50520727	Gmdrm	hypo	CG	-0.7093
Gm18	50526897	50527670	Gmdrm	hypo	CG	-0.4787
Gm18	50538139	50538291	Gmdrm	hypo	CG	-0.3646
Gm18	50604522	50604541	Gmdrm	hypo	CG	-0.9617
Gm18	50618893	50619397	Gmdrm	hypo	CG	-0.0643
Gm18	50643684	50643749	Gmdrm	hypo	CG	-0.036
Gm18	50654394	50654647	Gmdrm	hypo	CG	-0.2277
Gm18	50659002	50659117	Gmdrm	hypo	CG	-0.03
Gm18	50667838	50667971	Gmdrm	hypo	CG	-0.036
Gm18	50691672	50691843	Gmdrm	hypo	CG	-0.4831
Gm18	50731099	50731356	Gmdrm	hypo	CG	-0.0517
Gm18	50751957	50752334	Gmdrm	hypo	CG	-0.4581
Gm18	50785697	50785828	Gmdrm	hypo	CG	-0.3283
Gm18	50785963	50786101	Gmdrm	hypo	CG	-0.33
Gm18	50806070	50806098	Gmdrm	hypo	CG	-0.6583
Gm18	50831047	50831108	Gmdrm	hypo	CG	-0.6583
Gm18	50831885	50831905	Gmdrm	hypo	CG	-0.042
Gm18	50832478	50832639	Gmdrm	hypo	CG	-0.7533
Gm18	50841347	50841608	Gmdrm	hypo	CG	-0.5877
Gm18	50844176	50844347	Gmdrm	hypo	CG	-0.7977
Gm18	50846524	50846662	Gmdrm	hypo	CG	-0.809
Gm18	50859122	50859286	Gmdrm	hypo	CG	-0.1471
Gm18	50859700	50860140	Gmdrm	hypo	CG	-0.4988
Gm18	50862544	50862647	Gmdrm	hypo	CG	-0.764
Gm18	50866556	50866759	Gmdrm	hypo	CG	-0.5184
Gm18	50867188	50867375	Gmdrm	hypo	CG	-0.83
Gm18	50883578	50883748	Gmdrm	hypo	CG	-0.255
Gm18	50889679	50889858	Gmdrm	hypo	CG	-0.792
Gm18	50894204	50894361	Gmdrm	hypo	CG	-0.104
Gm18	50896841	50896917	Gmdrm	hypo	CG	-0.7674
Gm18	50907532	50907569	Gmdrm	hypo	CG	-0.4467
Gm18	50907895	50907999	Gmdrm	hypo	CG	-0.3325
Gm18	50918579	50918648	Gmdrm	hypo	CG	-0.278

Gm18	50919085	50919230	Gmdrm	hypo	CG	-0.6716
Gm18	50921359	50921407	Gmdrm	hypo	CG	-0.75
Gm18	50921850	50922247	Gmdrm	hypo	CG	-0.826
Gm18	50922643	50923112	Gmdrm	hypo	CG	-0.2335
Gm18	50923719	50923831	Gmdrm	hypo	CG	-0.8933
Gm18	50924746	50924841	Gmdrm	hypo	CG	-0.4075
Gm18	50925279	50925578	Gmdrm	hypo	CG	-0.5565
Gm18	50932721	50932797	Gmdrm	hypo	CG	-0.333
Gm18	50938337	50938413	Gmdrm	hypo	CG	-0.648
Gm18	50942053	50942245	Gmdrm	hypo	CG	-0.4125
Gm18	50949129	50949213	Gmdrm	hypo	CG	-0.068
Gm18	50953535	50953672	Gmdrm	hypo	CG	-0.7822
Gm18	50961700	50961892	Gmdrm	hypo	CG	-0.708
Gm18	50974143	50974316	Gmdrm	hypo	CG	-0.0357
Gm18	50979539	50979637	Gmdrm	hypo	CG	-0.8684
Gm18	50981948	50981985	Gmdrm	hypo	CG	-0.9337
Gm18	50982827	50983210	Gmdrm	hypo	CG	-0.6237
Gm18	50983821	50983859	Gmdrm	hypo	CG	-0.29
Gm18	50984410	50984462	Gmdrm	hypo	CG	-0.5084
Gm18	50986478	50986591	Gmdrm	hypo	CG	-0.5836
Gm18	50989065	50989351	Gmdrm	hypo	CG	-0.9688
Gm18	51009149	51009262	Gmdrm	hypo	CG	-0.722
Gm18	51021253	51021329	Gmdrm	hypo	CG	-0.9087
Gm18	51026197	51026364	Gmdrm	hypo	CG	-0.7442
Gm18	51028837	51029108	Gmdrm	hypo	CG	-0.843
Gm18	51029483	51029745	Gmdrm	hypo	CG	-0.3619
Gm18	51062902	51063107	Gmdrm	hypo	CG	-0.6528
Gm18	51076317	51076412	Gmdrm	hypo	CG	-0.72
Gm18	51076741	51076930	Gmdrm	hypo	CG	-0.4433
Gm18	51093219	51093410	Gmdrm	hypo	CG	-0.951
Gm18	51095393	51095887	Gmdrm	hypo	CG	-0.5194
Gm18	51096108	51096207	Gmdrm	hypo	CG	-0.6586
Gm18	51106257	51106424	Gmdrm	hypo	CG	-0.66
Gm18	51115778	51115987	Gmdrm	hypo	CG	-0.432
Gm18	51130212	51130287	Gmdrm	hypo	CG	-0.5333
Gm18	51130416	51130493	Gmdrm	hypo	CG	-0.7066
Gm18	51134487	51134669	Gmdrm	hypo	CG	-0.5959
Gm18	51134855	51135017	Gmdrm	hypo	CG	-0.8238
Gm18	51135414	51135735	Gmdrm	hypo	CG	-0.5992
Gm18	51144452	51144490	Gmdrm	hypo	CG	-0.9537
Gm18	51160357	51160570	Gmdrm	hypo	CG	-0.7873
Gm18	51161392	51161868	Gmdrm	hypo	CG	-0.8259
Gm18	51202649	51202782	Gmdrm	hypo	CG	-0.4428
Gm18	51202890	51203153	Gmdrm	hypo	CG	-0.7425
Gm18	51242487	51242858	Gmdrm	hypo	CG	-0.9278
Gm18	51245134	51245232	Gmdrm	hypo	CG	-0.7487

Gm18	51249308	51249478	Gmdrm	hypo	CG	-0.5723
Gm18	51258669	51258850	Gmdrm	hypo	CG	-0.3455
Gm18	51262467	51262509	Gmdrm	hypo	CG	-0.8683
Gm18	51268180	51268363	Gmdrm	hypo	CG	-0.6686
Gm18	51270925	51271010	Gmdrm	hypo	CG	-0.43
Gm18	51274160	51274539	Gmdrm	hypo	CG	-0.9464
Gm18	51277320	51277933	Gmdrm	hypo	CG	-0.2763
Gm18	51310667	51310970	Gmdrm	hypo	CG	-0.0638
Gm18	51349223	51349296	Gmdrm	hypo	CG	-0.25
Gm18	51349611	51349731	Gmdrm	hypo	CG	-0.07
Gm18	51411158	51411297	Gmdrm	hypo	CG	-0.5158
Gm18	51414576	51414865	Gmdrm	hypo	CG	-0.8525
Gm18	51415019	51415133	Gmdrm	hypo	CG	-0.946
Gm18	51418264	51418410	Gmdrm	hypo	CG	-0.38
Gm18	51422512	51422660	Gmdrm	hypo	CG	-0.178
Gm18	51422942	51423004	Gmdrm	hypo	CG	-0.1467
Gm18	51447554	51447620	Gmdrm	hypo	CG	-0.9867
Gm18	51451817	51451996	Gmdrm	hypo	CG	-0.05
Gm18	51454700	51454812	Gmdrm	hypo	CG	-0.634
Gm18	51490606	51490752	Gmdrm	hypo	CG	-0.817
Gm18	51503352	51503770	Gmdrm	hypo	CG	-0.7855
Gm18	51507025	51507335	Gmdrm	hypo	CG	-0.912
Gm18	51508651	51508751	Gmdrm	hypo	CG	-0.064
Gm18	51513785	51513829	Gmdrm	hypo	CG	-0.1687
Gm18	51587363	51587656	Gmdrm	hypo	CG	-0.855
Gm18	51591862	51592053	Gmdrm	hypo	CG	-0.341
Gm18	51592302	51592360	Gmdrm	hypo	CG	-0.2409
Gm18	51594070	51594890	Gmdrm	hypo	CG	-0.6093
Gm18	51598360	51598460	Gmdrm	hypo	CG	-0.6443
Gm18	51623644	51623911	Gmdrm	hypo	CG	-0.3986
Gm18	51627135	51627221	Gmdrm	hypo	CG	-0.0517
Gm18	51633728	51633883	Gmdrm	hypo	CG	-0.8117
Gm18	51648986	51649088	Gmdrm	hypo	CG	-0.847
Gm18	51660708	51660789	Gmdrm	hypo	CG	-0.046
Gm18	51693327	51693632	Gmdrm	hypo	CG	-0.9065
Gm18	51732215	51732364	Gmdrm	hypo	CG	-0.3
Gm18	51747736	51748152	Gmdrm	hypo	CG	-0.8858
Gm18	51761586	51761637	Gmdrm	hypo	CG	-0.932
Gm18	51835893	51836021	Gmdrm	hypo	CG	-0.1311
Gm18	51851651	51851762	Gmdrm	hypo	CG	-0.074
Gm18	51865116	51866063	Gmdrm	hypo	CG	-0.0279
Gm18	51929770	51929972	Gmdrm	hypo	CG	-0.85
Gm18	51943688	51943780	Gmdrm	hypo	CG	-0.7683
Gm18	51943899	51944335	Gmdrm	hypo	CG	-0.414
Gm18	51996673	51996857	Gmdrm	hypo	CG	-0.212
Gm18	51997041	51997287	Gmdrm	hypo	CG	-0.4325

Gm18	52036299	52036367	Gmdrm	hypo	CG	-0.478
Gm18	52071058	52071236	Gmdrm	hypo	CG	-0.2861
Gm18	52077095	52077366	Gmdrm	hypo	CG	-0.6178
Gm18	52102327	52102350	Gmdrm	hypo	CG	-0.8733
Gm18	52113913	52114219	Gmdrm	hypo	CG	-0.805
Gm18	52144867	52144984	Gmdrm	hypo	CG	-0.05
Gm18	52147555	52147679	Gmdrm	hypo	CG	-0.9429
Gm18	52147793	52147912	Gmdrm	hypo	CG	-0.747
Gm18	52157975	52158096	Gmdrm	hypo	CG	-0.7483
Gm18	52160884	52160971	Gmdrm	hypo	CG	-0.0419
Gm18	52206560	52206860	Gmdrm	hypo	CG	-0.2912
Gm18	52251254	52251424	Gmdrm	hypo	CG	-0.4166
Gm18	52279932	52280047	Gmdrm	hypo	CG	-0.7975
Gm18	52280267	52280301	Gmdrm	hypo	CG	-0.7717
Gm18	52286846	52287358	Gmdrm	hypo	CG	-0.2322
Gm18	52290297	52290695	Gmdrm	hypo	CG	-0.6446
Gm18	52298520	52298584	Gmdrm	hypo	CG	-0.6433
Gm18	52303206	52303622	Gmdrm	hypo	CG	-0.6305
Gm18	52304652	52304955	Gmdrm	hypo	CG	-0.854
Gm18	52311276	52311443	Gmdrm	hypo	CG	-0.725
Gm18	52316705	52316842	Gmdrm	hypo	CG	-0.6909
Gm18	52341025	52341145	Gmdrm	hypo	CG	-0.3864
Gm18	52356168	52356237	Gmdrm	hypo	CG	-0.6083
Gm18	52373210	52373448	Gmdrm	hypo	CG	-0.753
Gm18	52374858	52375258	Gmdrm	hypo	CG	-0.8156
Gm18	52375512	52375583	Gmdrm	hypo	CG	-0.7963
Gm18	52382841	52382978	Gmdrm	hypo	CG	-0.545
Gm18	52385479	52385622	Gmdrm	hypo	CG	-0.909
Gm18	52386004	52386065	Gmdrm	hypo	CG	-0.258
Gm18	52392796	52392941	Gmdrm	hypo	CG	-0.1033
Gm18	52394761	52394829	Gmdrm	hypo	CG	-0.355
Gm18	52399001	52399130	Gmdrm	hypo	CG	-0.3189
Gm18	52399444	52399627	Gmdrm	hypo	CG	-0.4633
Gm18	52409716	52409836	Gmdrm	hypo	CG	-0.7825
Gm18	52430460	52430871	Gmdrm	hypo	CG	-0.6867
Gm18	52432276	52432367	Gmdrm	hypo	CG	-0.974
Gm18	52450478	52450618	Gmdrm	hypo	CG	-0.9671
Gm18	52451877	52451921	Gmdrm	hypo	CG	-0.8725
Gm18	52452137	52452238	Gmdrm	hypo	CG	-0.5325
Gm18	52461755	52461815	Gmdrm	hypo	CG	-0.9683
Gm18	52467371	52467508	Gmdrm	hypo	CG	-0.9012
Gm18	52469752	52470032	Gmdrm	hypo	CG	-0.0797
Gm18	52470224	52470334	Gmdrm	hypo	CG	-0.65
Gm18	52491800	52491926	Gmdrm	hypo	CG	-0.085
Gm18	52516156	52516283	Gmdrm	hypo	CG	-0.3783
Gm18	52517208	52517218	Gmdrm	hypo	CG	-0.785

Gm18	52526368	52526766	Gmdrm	hypo	CG	-0.7882
Gm18	52527371	52527410	Gmdrm	hypo	CG	-0.3367
Gm18	52527989	52528333	Gmdrm	hypo	CG	-0.687
Gm18	52560732	52561133	Gmdrm	hypo	CG	-0.0672
Gm18	52570435	52570833	Gmdrm	hypo	CG	-0.3124
Gm18	52572105	52572316	Gmdrm	hypo	CG	-0.0842
Gm18	52592437	52593040	Gmdrm	hypo	CG	-0.3761
Gm18	52602763	52602850	Gmdrm	hypo	CG	-0.9167
Gm18	52604092	52604198	Gmdrm	hypo	CG	-0.9067
Gm18	52608611	52608853	Gmdrm	hypo	CG	-0.55
Gm18	52610190	52610278	Gmdrm	hypo	CG	-0.59
Gm18	52610379	52610586	Gmdrm	hypo	CG	-0.6155
Gm18	52628341	52628431	Gmdrm	hypo	CG	-0.6812
Gm18	52628558	52628697	Gmdrm	hypo	CG	-0.4538
Gm18	52628848	52629050	Gmdrm	hypo	CG	-0.1835
Gm18	52629680	52630141	Gmdrm	hypo	CG	-0.4395
Gm18	52633265	52633305	Gmdrm	hypo	CG	-0.754
Gm18	52638659	52639142	Gmdrm	hypo	CG	-0.6317
Gm18	52639746	52639794	Gmdrm	hypo	CG	-0.4162
Gm18	52640458	52640722	Gmdrm	hypo	CG	-0.1639
Gm18	52647802	52647860	Gmdrm	hypo	CG	-0.0738
Gm18	52677714	52677919	Gmdrm	hypo	CG	-0.4609
Gm18	52684382	52684511	Gmdrm	hypo	CG	-0.08
Gm18	52691251	52691359	Gmdrm	hypo	CG	-0.6766
Gm18	52694469	52694561	Gmdrm	hypo	CG	-0.595
Gm18	52721725	52721790	Gmdrm	hypo	CG	-0.5644
Gm18	52722190	52722306	Gmdrm	hypo	CG	-0.9442
Gm18	52738293	52738403	Gmdrm	hypo	CG	-0.606
Gm18	52749197	52749288	Gmdrm	hypo	CG	-0.82
Gm18	52773818	52773941	Gmdrm	hypo	CG	-0.4506
Gm18	52774156	52774389	Gmdrm	hypo	CG	-0.5055
Gm18	52780455	52780564	Gmdrm	hypo	CG	-0.8014
Gm18	52807982	52808439	Gmdrm	hypo	CG	-0.8616
Gm18	52827046	52827103	Gmdrm	hypo	CG	-0.07
Gm18	52878086	52878164	Gmdrm	hypo	CG	-0.4573
Gm18	52878273	52878331	Gmdrm	hypo	CG	-0.438
Gm18	52880367	52880508	Gmdrm	hypo	CG	-0.3735
Gm18	52894284	52894473	Gmdrm	hypo	CG	-0.365
Gm18	52905060	52905321	Gmdrm	hypo	CG	-0.874
Gm18	52925949	52926115	Gmdrm	hypo	CG	-0.2857
Gm18	52946195	52946395	Gmdrm	hypo	CG	-0.277
Gm18	52962770	52962917	Gmdrm	hypo	CG	-0.875
Gm18	52965885	52966116	Gmdrm	hypo	CG	-0.04
Gm18	52969347	52969718	Gmdrm	hypo	CG	-0.8035
Gm18	52969827	52969987	Gmdrm	hypo	CG	-0.45
Gm18	52986730	52987026	Gmdrm	hypo	CG	-0.7685

Gm18	52994122	52994363	Gmdrm	hypo	CG	-0.1507
Gm18	53027985	53028103	Gmdrm	hypo	CG	-0.6113
Gm18	53028220	53028348	Gmdrm	hypo	CG	-0.855
Gm18	53029641	53029770	Gmdrm	hypo	CG	-0.88
Gm18	53047460	53047631	Gmdrm	hypo	CG	-0.5963
Gm18	53055210	53055239	Gmdrm	hypo	CG	-0.78
Gm18	53055372	53055412	Gmdrm	hypo	CG	-0.1566
Gm18	53059739	53059881	Gmdrm	hypo	CG	-0.1017
Gm18	53093707	53093891	Gmdrm	hypo	CG	-0.0628
Gm18	53095249	53095393	Gmdrm	hypo	CG	-0.74
Gm18	53110094	53110316	Gmdrm	hypo	CG	-0.4928
Gm18	53122348	53122567	Gmdrm	hypo	CG	-0.1563
Gm18	53134364	53134382	Gmdrm	hypo	CG	-0.6684
Gm18	53147186	53147274	Gmdrm	hypo	CG	-0.4812
Gm18	53163222	53163333	Gmdrm	hypo	CG	-0.686
Gm18	53166058	53166339	Gmdrm	hypo	CG	-0.23
Gm18	53170360	53170455	Gmdrm	hypo	CG	-0.1109
Gm18	53177921	53178011	Gmdrm	hypo	CG	-0.18
Gm18	53178137	53178513	Gmdrm	hypo	CG	-0.9068
Gm18	53258936	53259058	Gmdrm	hypo	CG	-0.048
Gm18	53305156	53305235	Gmdrm	hypo	CG	-0.8775
Gm18	53308299	53308577	Gmdrm	hypo	CG	-0.3308
Gm18	53344430	53344578	Gmdrm	hypo	CG	-0.7925
Gm18	53378646	53378861	Gmdrm	hypo	CG	-0.6464
Gm18	53458000	53458183	Gmdrm	hypo	CG	-0.372
Gm18	53481013	53481370	Gmdrm	hypo	CG	-0.3962
Gm18	53482234	53482582	Gmdrm	hypo	CG	-0.705
Gm18	53556550	53556709	Gmdrm	hypo	CG	-0.575
Gm18	53581458	53581760	Gmdrm	hypo	CG	-0.538
Gm18	53589582	53589636	Gmdrm	hypo	CG	-0.2117
Gm18	53594869	53594943	Gmdrm	hypo	CG	-0.05
Gm18	53604477	53604561	Gmdrm	hypo	CG	-0.475
Gm18	53604833	53604983	Gmdrm	hypo	CG	-0.0967
Gm18	53606435	53606692	Gmdrm	hypo	CG	-0.0693
Gm18	53607942	53608169	Gmdrm	hypo	CG	-0.5069
Gm18	53680415	53680552	Gmdrm	hypo	CG	-0.6929
Gm18	53712488	53712930	Gmdrm	hypo	CG	-0.1641
Gm18	53721644	53721694	Gmdrm	hypo	CG	-0.3266
Gm18	53756222	53756295	Gmdrm	hypo	CG	-0.795
Gm18	53756424	53756509	Gmdrm	hypo	CG	-0.935
Gm18	53760737	53761589	Gmdrm	hypo	CG	-0.3814
Gm18	53763525	53763702	Gmdrm	hypo	CG	-0.3009
Gm18	53764021	53764169	Gmdrm	hypo	CG	-0.712
Gm18	53819528	53819680	Gmdrm	hypo	CG	-0.47
Gm18	53826081	53826153	Gmdrm	hypo	CG	-0.835
Gm18	53826827	53826898	Gmdrm	hypo	CG	-0.654

Gm18	53832491	53832540	Gmdrm	hypo	CG	-0.3667
Gm18	53843073	53843314	Gmdrm	hypo	CG	-0.2575
Gm18	53843431	53843488	Gmdrm	hypo	CG	-0.5117
Gm18	53849775	53849833	Gmdrm	hypo	CG	-0.058
Gm18	53865187	53865235	Gmdrm	hypo	CG	-0.9591
Gm18	53865394	53865684	Gmdrm	hypo	CG	-0.86
Gm18	53865854	53866052	Gmdrm	hypo	CG	-0.9122
Gm18	53896614	53896694	Gmdrm	hypo	CG	-0.14
Gm18	53900460	53901053	Gmdrm	hypo	CG	-0.1287
Gm18	53908797	53909146	Gmdrm	hypo	CG	-0.156
Gm18	53909349	53909873	Gmdrm	hypo	CG	-0.5088
Gm18	53909983	53910331	Gmdrm	hypo	CG	-0.6513
Gm18	53910479	53910732	Gmdrm	hypo	CG	-0.7121
Gm18	53935306	53935396	Gmdrm	hypo	CG	-0.0845
Gm18	53948298	53948356	Gmdrm	hypo	CG	-0.5492
Gm18	53948559	53948703	Gmdrm	hypo	CG	-0.4938
Gm18	53948981	53949279	Gmdrm	hypo	CG	-0.6838
Gm18	53988206	53988372	Gmdrm	hypo	CG	-0.0371
Gm18	54010624	54011003	Gmdrm	hypo	CG	-0.4322
Gm18	54011472	54011588	Gmdrm	hypo	CG	-0.5233
Gm18	54040541	54040617	Gmdrm	hypo	CG	-0.5434
Gm18	54058948	54059052	Gmdrm	hypo	CG	-0.776
Gm18	54059192	54059240	Gmdrm	hypo	CG	-0.45
Gm18	54060219	54060404	Gmdrm	hypo	CG	-0.0628
Gm18	54072540	54072761	Gmdrm	hypo	CG	-0.7672
Gm18	54073053	54073086	Gmdrm	hypo	CG	-0.7733
Gm18	54073493	54073621	Gmdrm	hypo	CG	-0.8941
Gm18	54074419	54074569	Gmdrm	hypo	CG	-0.949
Gm18	54108837	54109338	Gmdrm	hypo	CG	-0.5203
Gm18	54110732	54110861	Gmdrm	hypo	CG	-0.77
Gm18	54132861	54132963	Gmdrm	hypo	CG	-0.8567
Gm18	54143386	54143452	Gmdrm	hypo	CG	-0.81
Gm18	54149051	54149181	Gmdrm	hypo	CG	-0.5025
Gm18	54177485	54177750	Gmdrm	hypo	CG	-0.5827
Gm18	54177877	54178110	Gmdrm	hypo	CG	-0.292
Gm18	54178213	54178298	Gmdrm	hypo	CG	-0.0467
Gm18	54198871	54198934	Gmdrm	hypo	CG	-0.042
Gm18	54209221	54209578	Gmdrm	hypo	CG	-0.4171
Gm18	54223071	54223176	Gmdrm	hypo	CG	-0.985
Gm18	54266510	54266594	Gmdrm	hypo	CG	-0.9716
Gm18	54268707	54268842	Gmdrm	hypo	CG	-0.2749
Gm18	54297016	54297087	Gmdrm	hypo	CG	-0.6984
Gm18	54312972	54313078	Gmdrm	hypo	CG	-0.038
Gm18	54318898	54319104	Gmdrm	hypo	CG	-0.4879
Gm18	54319437	54319498	Gmdrm	hypo	CG	-0.1175
Gm18	54321641	54321758	Gmdrm	hypo	CG	-0.912

Gm18	54335249	54335316 Gmdrm	hypo	CG	-0.035
Gm18	54361798	54361944 Gmdrm	hypo	CG	-0.2412
Gm18	54362708	54362742 Gmdrm	hypo	CG	-0.555
Gm18	54371983	54372056 Gmdrm	hypo	CG	-0.9675
Gm18	54376163	54376377 Gmdrm	hypo	CG	-0.8444
Gm18	54387962	54388297 Gmdrm	hypo	CG	-0.7853
Gm18	54404939	54405035 Gmdrm	hypo	CG	-0.919
Gm18	54453117	54453221 Gmdrm	hypo	CG	-0.5527
Gm18	54453333	54453512 Gmdrm	hypo	CG	-0.5711
Gm18	54458230	54458394 Gmdrm	hypo	CG	-0.1929
Gm18	54471724	54471993 Gmdrm	hypo	CG	-0.4711
Gm18	54486621	54486688 Gmdrm	hypo	CG	-0.9163
Gm18	54491726	54491829 Gmdrm	hypo	CG	-0.76
Gm18	54500781	54500911 Gmdrm	hypo	CG	-0.572
Gm18	54515242	54515335 Gmdrm	hypo	CG	-0.9294
Gm18	54516169	54516265 Gmdrm	hypo	CG	-0.4882
Gm18	54516498	54516703 Gmdrm	hypo	CG	-0.7358
Gm18	54516839	54516849 Gmdrm	hypo	CG	-0.4033
Gm18	54539979	54540262 Gmdrm	hypo	CG	-0.4292
Gm18	54580118	54580188 Gmdrm	hypo	CG	-0.153
Gm18	54583122	54583232 Gmdrm	hypo	CG	-0.68
Gm18	54630784	54630932 Gmdrm	hypo	CG	-0.7378
Gm18	54632385	54632450 Gmdrm	hypo	CG	-0.678
Gm18	54632832	54633016 Gmdrm	hypo	CG	-0.763
Gm18	54633303	54633407 Gmdrm	hypo	CG	-0.809
Gm18	54658349	54658650 Gmdrm	hypo	CG	-0.27
Gm18	54711053	54711174 Gmdrm	hypo	CG	-0.5038
Gm18	54748039	54748223 Gmdrm	hypo	CG	-0.4123
Gm18	54748950	54749071 Gmdrm	hypo	CG	-0.5417
Gm18	54766317	54766541 Gmdrm	hypo	CG	-0.9085
Gm18	54766643	54766752 Gmdrm	hypo	CG	-0.9133
Gm18	54799402	54799522 Gmdrm	hypo	CG	-0.5
Gm18	54801082	54801346 Gmdrm	hypo	CG	-0.398
Gm18	54815703	54815788 Gmdrm	hypo	CG	-0.7733
Gm18	54817362	54817411 Gmdrm	hypo	CG	-0.4616
Gm18	54833682	54833907 Gmdrm	hypo	CG	-0.5077
Gm18	54834038	54834185 Gmdrm	hypo	CG	-0.2667
Gm18	54840457	54840545 Gmdrm	hypo	CG	-0.461
Gm18	54842485	54842676 Gmdrm	hypo	CG	-0.6787
Gm18	54842900	54843190 Gmdrm	hypo	CG	-0.7326
Gm18	54851567	54851869 Gmdrm	hypo	CG	-0.3855
Gm18	54855164	54855181 Gmdrm	hypo	CG	-0.9133
Gm18	54865695	54865952 Gmdrm	hypo	CG	-0.0386
Gm18	54868494	54868608 Gmdrm	hypo	CG	-0.1367
Gm18	54875852	54875896 Gmdrm	hypo	CG	-0.6217
Gm18	54876645	54876841 Gmdrm	hypo	CG	-0.889

Gm18	54881322	54881501	Gmdrm	hypo	CG	-0.9613
Gm18	54881694	54881734	Gmdrm	hypo	CG	-0.4017
Gm18	54908515	54908815	Gmdrm	hypo	CG	-0.1592
Gm18	54915654	54915899	Gmdrm	hypo	CG	-0.504
Gm18	54924755	54924888	Gmdrm	hypo	CG	-0.955
Gm18	54925311	54925388	Gmdrm	hypo	CG	-0.6616
Gm18	54960437	54960585	Gmdrm	hypo	CG	-0.49
Gm18	54975930	54976010	Gmdrm	hypo	CG	-0.93
Gm18	54984290	54984415	Gmdrm	hypo	CG	-0.5641
Gm18	54993622	54993751	Gmdrm	hypo	CG	-0.1418
Gm18	54994723	54995015	Gmdrm	hypo	CG	-0.3114
Gm18	54995808	54996108	Gmdrm	hypo	CG	-0.7741
Gm18	55004574	55004718	Gmdrm	hypo	CG	-0.853
Gm18	55004896	55005285	Gmdrm	hypo	CG	-0.6357
Gm18	55041159	55041291	Gmdrm	hypo	CG	-0.69
Gm18	55049097	55049129	Gmdrm	hypo	CG	-0.1583
Gm18	55049237	55049441	Gmdrm	hypo	CG	-0.2283
Gm18	55068774	55069060	Gmdrm	hypo	CG	-0.7864
Gm18	55082554	55082564	Gmdrm	hypo	CG	-0.056
Gm18	55106066	55106151	Gmdrm	hypo	CG	-0.7138
Gm18	55121068	55121121	Gmdrm	hypo	CG	-0.6684
Gm18	55195051	55195271	Gmdrm	hypo	CG	-0.626
Gm18	55201652	55201889	Gmdrm	hypo	CG	-0.8249
Gm18	55207702	55207825	Gmdrm	hypo	CG	-0.9389
Gm18	55224246	55224263	Gmdrm	hypo	CG	-0.8266
Gm18	55237592	55237818	Gmdrm	hypo	CG	-0.5988
Gm18	55257216	55257267	Gmdrm	hypo	CG	-0.4138
Gm18	55267368	55267468	Gmdrm	hypo	CG	-0.97
Gm18	55284728	55284898	Gmdrm	hypo	CG	-0.4638
Gm18	55308529	55308678	Gmdrm	hypo	CG	-0.5537
Gm18	55309246	55309462	Gmdrm	hypo	CG	-0.2187
Gm18	55333318	55333868	Gmdrm	hypo	CG	-0.7794
Gm18	55344784	55344989	Gmdrm	hypo	CG	-0.311
Gm18	55399196	55399406	Gmdrm	hypo	CG	-0.6638
Gm18	55400456	55400594	Gmdrm	hypo	CG	-0.0631
Gm18	55417178	55417431	Gmdrm	hypo	CG	-0.834
Gm18	55419652	55419774	Gmdrm	hypo	CG	-0.722
Gm18	55432600	55432747	Gmdrm	hypo	CG	-0.3519
Gm18	55446062	55446118	Gmdrm	hypo	CG	-0.6528
Gm18	55459373	55459471	Gmdrm	hypo	CG	-0.9825
Gm18	55477716	55478042	Gmdrm	hypo	CG	-0.8787
Gm18	55488679	55488779	Gmdrm	hypo	CG	-0.2838
Gm18	55499178	55499285	Gmdrm	hypo	CG	-0.87
Gm18	55499751	55499820	Gmdrm	hypo	CG	-0.5
Gm18	55505349	55505432	Gmdrm	hypo	CG	-0.225
Gm18	55508210	55508390	Gmdrm	hypo	CG	-0.2333

Gm18	55508753	55508810	Gmdrm	hypo	CG	-0.8699
Gm18	55526732	55527351	Gmdrm	hypo	CG	-0.6953
Gm18	55552051	55552146	Gmdrm	hypo	CG	-0.3988
Gm18	55560373	55560654	Gmdrm	hypo	CG	-0.1723
Gm18	55560903	55560936	Gmdrm	hypo	CG	-0.2133
Gm18	55587115	55587264	Gmdrm	hypo	CG	-0.1089
Gm18	55600907	55601062	Gmdrm	hypo	CG	-0.5495
Gm18	55606077	55606212	Gmdrm	hypo	CG	-0.721
Gm18	55606376	55606529	Gmdrm	hypo	CG	-0.5522
Gm18	55627103	55627438	Gmdrm	hypo	CG	-0.026
Gm18	55638116	55638214	Gmdrm	hypo	CG	-0.805
Gm18	55670685	55670949	Gmdrm	hypo	CG	-0.5737
Gm18	55675279	55675851	Gmdrm	hypo	CG	-0.1753
Gm18	55677947	55678113	Gmdrm	hypo	CG	-0.791
Gm18	55681597	55681638	Gmdrm	hypo	CG	-0.7133
Gm18	55681954	55682079	Gmdrm	hypo	CG	-0.323
Gm18	55684423	55684918	Gmdrm	hypo	CG	-0.3637
Gm18	55703019	55703267	Gmdrm	hypo	CG	-0.0383
Gm18	55704372	55704420	Gmdrm	hypo	CG	-0.565
Gm18	55708819	55709296	Gmdrm	hypo	CG	-0.0564
Gm18	55725007	55725047	Gmdrm	hypo	CG	-0.1722
Gm18	55728652	55728689	Gmdrm	hypo	CG	-0.6938
Gm18	55760827	55760978	Gmdrm	hypo	CG	-0.1029
Gm18	55768775	55768838	Gmdrm	hypo	CG	-0.945
Gm18	55795984	55796092	Gmdrm	hypo	CG	-0.5417
Gm18	55797865	55797907	Gmdrm	hypo	CG	-0.9133
Gm18	55819299	55819367	Gmdrm	hypo	CG	-0.8283
Gm18	55832096	55832182	Gmdrm	hypo	CG	-0.9066
Gm18	55834015	55834394	Gmdrm	hypo	CG	-0.8461
Gm18	55840821	55840880	Gmdrm	hypo	CG	-0.4575
Gm18	55865002	55865053	Gmdrm	hypo	CG	-0.124
Gm18	55889432	55889638	Gmdrm	hypo	CG	-0.026
Gm18	55889970	55890119	Gmdrm	hypo	CG	-0.0483
Gm18	55942674	55942951	Gmdrm	hypo	CG	-0.425
Gm18	55943392	55943558	Gmdrm	hypo	CG	-0.905
Gm18	55958561	55958762	Gmdrm	hypo	CG	-0.0458
Gm18	55982236	55982258	Gmdrm	hypo	CG	-0.3533
Gm18	55995150	55995342	Gmdrm	hypo	CG	-0.4236
Gm18	55997053	55997272	Gmdrm	hypo	CG	-0.948
Gm18	56033390	56033628	Gmdrm	hypo	CG	-0.3229
Gm18	56033773	56033865	Gmdrm	hypo	CG	-0.5225
Gm18	56051103	56051150	Gmdrm	hypo	CG	-0.8733
Gm18	56069070	56069219	Gmdrm	hypo	CG	-0.4325
Gm18	56165969	56166022	Gmdrm	hypo	CG	-0.754
Gm18	56181959	56182154	Gmdrm	hypo	CG	-0.02
Gm18	56207482	56207557	Gmdrm	hypo	CG	-0.885

Gm18	56224325	56224603	Gmdrm	hypo	CG	-0.8444
Gm18	56224962	56225152	Gmdrm	hypo	CG	-0.8288
Gm18	56259565	56259933	Gmdrm	hypo	CG	-0.0269
Gm18	56267606	56267778	Gmdrm	hypo	CG	-0.8325
Gm18	56270012	56270269	Gmdrm	hypo	CG	-0.062
Gm18	56325402	56325531	Gmdrm	hypo	CG	-0.096
Gm18	56340547	56341050	Gmdrm	hypo	CG	-0.346
Gm18	56341591	56342053	Gmdrm	hypo	CG	-0.2947
Gm18	56352840	56352883	Gmdrm	hypo	CG	-0.915
Gm18	56355481	56355685	Gmdrm	hypo	CG	-0.0681
Gm18	56447041	56447472	Gmdrm	hypo	CG	-0.5375
Gm18	56447635	56447806	Gmdrm	hypo	CG	-0.3318
Gm18	56505099	56505213	Gmdrm	hypo	CG	-0.876
Gm18	56515410	56515786	Gmdrm	hypo	CG	-0.779
Gm18	56516384	56516503	Gmdrm	hypo	CG	-0.854
Gm18	56534461	56534852	Gmdrm	hypo	CG	-0.7838
Gm18	56630769	56630860	Gmdrm	hypo	CG	-0.2858
Gm18	56631008	56631037	Gmdrm	hypo	CG	-0.785
Gm18	56645613	56645790	Gmdrm	hypo	CG	-0.593
Gm18	56707568	56707656	Gmdrm	hypo	CG	-0.046
Gm18	56772035	56772128	Gmdrm	hypo	CG	-0.57
Gm18	56773590	56773870	Gmdrm	hypo	CG	-0.52
Gm18	56780484	56780569	Gmdrm	hypo	CG	-0.5113
Gm18	56801148	56801342	Gmdrm	hypo	CG	-0.19
Gm18	56831057	56831084	Gmdrm	hypo	CG	-0.0751
Gm18	56831291	56831410	Gmdrm	hypo	CG	-0.9419
Gm18	56837610	56837898	Gmdrm	hypo	CG	-0.05
Gm18	56838776	56838943	Gmdrm	hypo	CG	-0.4062
Gm18	56839044	56839145	Gmdrm	hypo	CG	-0.3292
Gm18	56840142	56840184	Gmdrm	hypo	CG	-0.5733
Gm18	56849457	56849803	Gmdrm	hypo	CG	-0.4382
Gm18	56879753	56879958	Gmdrm	hypo	CG	-0.8466
Gm18	56880096	56880336	Gmdrm	hypo	CG	-0.5584
Gm18	56890703	56890833	Gmdrm	hypo	CG	-0.0383
Gm18	56934798	56935135	Gmdrm	hypo	CG	-0.305
Gm18	56936901	56936968	Gmdrm	hypo	CG	-0.605
Gm18	56951754	56951894	Gmdrm	hypo	CG	-0.83
Gm18	56971340	56971430	Gmdrm	hypo	CG	-0.8984
Gm18	56971586	56971806	Gmdrm	hypo	CG	-0.3291
Gm18	56973288	56973365	Gmdrm	hypo	CG	-0.064
Gm18	57026313	57026499	Gmdrm	hypo	CG	-0.1271
Gm18	57042945	57043105	Gmdrm	hypo	CG	-0.253
Gm18	57083909	57084326	Gmdrm	hypo	CG	-0.5161
Gm18	57144905	57145135	Gmdrm	hypo	CG	-0.532
Gm18	57159009	57159148	Gmdrm	hypo	CG	-0.044
Gm18	57177261	57177288	Gmdrm	hypo	CG	-0.7483

Gm18	57187380	57187417 Gmdrm	hypo	CG	-0.4
Gm18	57198762	57198939 Gmdrm	hypo	CG	-0.9375
Gm18	57218347	57218536 Gmdrm	hypo	CG	-0.4383
Gm18	57226394	57226430 Gmdrm	hypo	CG	-0.835
Gm18	57226584	57226746 Gmdrm	hypo	CG	-0.7912
Gm18	57229075	57229191 Gmdrm	hypo	CG	-0.8968
Gm18	57270319	57270470 Gmdrm	hypo	CG	-0.934
Gm18	57285731	57286261 Gmdrm	hypo	CG	-0.5728
Gm18	57298894	57298933 Gmdrm	hypo	CG	-0.5183
Gm18	57357214	57357389 Gmdrm	hypo	CG	-0.6667
Gm18	57409430	57409557 Gmdrm	hypo	CG	-0.3855
Gm18	57422637	57422799 Gmdrm	hypo	CG	-0.4385
Gm18	57423105	57423175 Gmdrm	hypo	CG	-0.0683
Gm18	57432248	57432294 Gmdrm	hypo	CG	-0.88
Gm18	57433864	57434128 Gmdrm	hypo	CG	-0.7336
Gm18	57460318	57460497 Gmdrm	hypo	CG	-0.573
Gm18	57461001	57461097 Gmdrm	hypo	CG	-0.3188
Gm18	57463785	57463823 Gmdrm	hypo	CG	-0.205
Gm18	57466140	57466474 Gmdrm	hypo	CG	-0.5365
Gm18	57470587	57470751 Gmdrm	hypo	CG	-0.0266
Gm18	57472818	57472976 Gmdrm	hypo	CG	-0.618
Gm18	57473786	57473972 Gmdrm	hypo	CG	-0.6165
Gm18	57488634	57488734 Gmdrm	hypo	CG	-0.644
Gm18	57499323	57499340 Gmdrm	hypo	CG	-0.0429
Gm18	57579180	57579455 Gmdrm	hypo	CG	-0.3281
Gm18	57621372	57621407 Gmdrm	hypo	CG	-0.295
Gm18	57640613	57640789 Gmdrm	hypo	CG	-0.9525
Gm18	57641172	57641257 Gmdrm	hypo	CG	-0.642
Gm18	57645540	57645737 Gmdrm	hypo	CG	-0.9169
Gm18	57665452	57665519 Gmdrm	hypo	CG	-0.545
Gm18	57680442	57680610 Gmdrm	hypo	CG	-0.38
Gm18	57689692	57689874 Gmdrm	hypo	CG	-0.9406
Gm18	57709484	57709551 Gmdrm	hypo	CG	-0.038
Gm18	57723259	57723431 Gmdrm	hypo	CG	-0.9481
Gm18	57724908	57724931 Gmdrm	hypo	CG	-0.65
Gm18	57725049	57725231 Gmdrm	hypo	CG	-0.6912
Gm18	57739633	57739773 Gmdrm	hypo	CG	-0.0888
Gm18	57743176	57743248 Gmdrm	hypo	CG	-0.1566
Gm18	57747924	57748100 Gmdrm	hypo	CG	-0.9249
Gm18	57753460	57753726 Gmdrm	hypo	CG	-0.0967
Gm18	57887530	57887592 Gmdrm	hypo	CG	-0.125
Gm18	57905894	57906109 Gmdrm	hypo	CG	-0.1067
Gm18	57907594	57907751 Gmdrm	hypo	CG	-0.9
Gm18	57910259	57910380 Gmdrm	hypo	CG	-0.036
Gm18	57912658	57912704 Gmdrm	hypo	CG	-0.2717
Gm18	57917776	57917860 Gmdrm	hypo	CG	-0.734

Gm18	57918997	57919038	Gmdrm	hypo	CG	-0.0986
Gm18	57923633	57923764	Gmdrm	hypo	CG	-0.558
Gm18	57930923	57930987	Gmdrm	hypo	CG	-0.868
Gm18	57938132	57938267	Gmdrm	hypo	CG	-0.1325
Gm18	57942117	57942293	Gmdrm	hypo	CG	-0.046
Gm18	57951164	57951281	Gmdrm	hypo	CG	-0.7708
Gm18	57980654	57980814	Gmdrm	hypo	CG	-0.5725
Gm18	57992295	57992346	Gmdrm	hypo	CG	-0.4249
Gm18	57992520	57992640	Gmdrm	hypo	CG	-0.3025
Gm18	57993126	57993659	Gmdrm	hypo	CG	-0.0304
Gm18	58051691	58052088	Gmdrm	hypo	CG	-0.3312
Gm18	58069106	58069152	Gmdrm	hypo	CG	-0.037
Gm18	58090380	58090472	Gmdrm	hypo	CG	-0.53
Gm18	58096456	58096498	Gmdrm	hypo	CG	-0.2787
Gm18	58114693	58114750	Gmdrm	hypo	CG	-0.3287
Gm18	58119102	58119185	Gmdrm	hypo	CG	-0.8367
Gm18	58119291	58119418	Gmdrm	hypo	CG	-0.897
Gm18	58152058	58152254	Gmdrm	hypo	CG	-0.0592
Gm18	58179837	58179950	Gmdrm	hypo	CG	-0.2788
Gm18	58181509	58181675	Gmdrm	hypo	CG	-0.2963
Gm18	58181827	58181915	Gmdrm	hypo	CG	-0.2583
Gm18	58194923	58195167	Gmdrm	hypo	CG	-0.7317
Gm18	58202213	58202419	Gmdrm	hypo	CG	-0.405
Gm18	58203613	58204054	Gmdrm	hypo	CG	-0.8352
Gm18	58233218	58233591	Gmdrm	hypo	CG	-0.3862
Gm18	58266348	58266386	Gmdrm	hypo	CG	-0.356
Gm19	9736	9864	Gmdrm	hypo	CG	-0.66
Gm19	65095	65402	Gmdrm	hypo	CG	-0.9422
Gm19	65545	65780	Gmdrm	hypo	CG	-0.4909
Gm19	66286	66358	Gmdrm	hypo	CG	-0.8433
Gm19	107164	107710	Gmdrm	hypo	CG	-0.5977
Gm19	127060	127117	Gmdrm	hypo	CG	-0.195
Gm19	175843	175933	Gmdrm	hypo	CG	-0.1267
Gm19	178564	178837	Gmdrm	hypo	CG	-0.5377
Gm19	189857	189948	Gmdrm	hypo	CG	-0.47
Gm19	191269	191433	Gmdrm	hypo	CG	-0.9678
Gm19	197031	197262	Gmdrm	hypo	CG	-0.6244
Gm19	197765	197897	Gmdrm	hypo	CG	-0.513
Gm19	203866	204387	Gmdrm	hypo	CG	-0.2062
Gm19	211262	211396	Gmdrm	hypo	CG	-0.415
Gm19	259699	260132	Gmdrm	hypo	CG	-0.4149
Gm19	269339	269502	Gmdrm	hypo	CG	-0.9515
Gm19	270103	270362	Gmdrm	hypo	CG	-0.516
Gm19	274229	274351	Gmdrm	hypo	CG	-0.122
Gm19	280151	280373	Gmdrm	hypo	CG	-0.514
Gm19	295652	295783	Gmdrm	hypo	CG	-0.6642

Gm19	298387	298625 Gmdrm	hypo	CG	-0.1516
Gm19	320415	320635 Gmdrm	hypo	CG	-0.7892
Gm19	324391	324507 Gmdrm	hypo	CG	-0.0517
Gm19	337190	337544 Gmdrm	hypo	CG	-0.6206
Gm19	367274	367517 Gmdrm	hypo	CG	-0.6392
Gm19	367799	367937 Gmdrm	hypo	CG	-0.5889
Gm19	393782	393836 Gmdrm	hypo	CG	-0.0488
Gm19	402372	402571 Gmdrm	hypo	CG	-0.6033
Gm19	459906	460085 Gmdrm	hypo	CG	-0.758
Gm19	460417	460514 Gmdrm	hypo	CG	-0.6388
Gm19	466977	467001 Gmdrm	hypo	CG	-0.955
Gm19	469260	469413 Gmdrm	hypo	CG	-0.5697
Gm19	518688	518776 Gmdrm	hypo	CG	-0.8699
Gm19	537886	538192 Gmdrm	hypo	CG	-0.3815
Gm19	538293	538325 Gmdrm	hypo	CG	-0.135
Gm19	539062	539511 Gmdrm	hypo	CG	-0.7836
Gm19	566369	566435 Gmdrm	hypo	CG	-0.7966
Gm19	584250	584538 Gmdrm	hypo	CG	-0.8765
Gm19	584640	584889 Gmdrm	hypo	CG	-0.912
Gm19	588266	588319 Gmdrm	hypo	CG	-0.9825
Gm19	607943	608112 Gmdrm	hypo	CG	-0.8472
Gm19	632002	632253 Gmdrm	hypo	CG	-0.8117
Gm19	632872	632942 Gmdrm	hypo	CG	-0.9583
Gm19	633094	633181 Gmdrm	hypo	CG	-0.935
Gm19	653162	653617 Gmdrm	hypo	CG	-0.3295
Gm19	663446	663505 Gmdrm	hypo	CG	-0.4167
Gm19	664490	664596 Gmdrm	hypo	CG	-0.485
Gm19	665290	665550 Gmdrm	hypo	CG	-0.81
Gm19	665665	665708 Gmdrm	hypo	CG	-0.3766
Gm19	670588	670941 Gmdrm	hypo	CG	-0.5694
Gm19	672203	672352 Gmdrm	hypo	CG	-0.6737
Gm19	674994	675041 Gmdrm	hypo	CG	-0.8617
Gm19	684614	684756 Gmdrm	hypo	CG	-0.54
Gm19	692588	692715 Gmdrm	hypo	CG	-0.4583
Gm19	699707	699731 Gmdrm	hypo	CG	-0.2434
Gm19	759771	759849 Gmdrm	hypo	CG	-0.8349
Gm19	760290	760490 Gmdrm	hypo	CG	-0.7608
Gm19	767572	767653 Gmdrm	hypo	CG	-0.5162
Gm19	796259	796389 Gmdrm	hypo	CG	-0.1924
Gm19	804817	804937 Gmdrm	hypo	CG	-0.7817
Gm19	823142	823383 Gmdrm	hypo	CG	-0.9427
Gm19	823512	823583 Gmdrm	hypo	CG	-0.8057
Gm19	823752	823829 Gmdrm	hypo	CG	-0.5
Gm19	826140	826220 Gmdrm	hypo	CG	-0.115
Gm19	827773	828214 Gmdrm	hypo	CG	-0.7135
Gm19	836536	836934 Gmdrm	hypo	CG	-0.4803

Gm19	839784	840165	Gmdrm	hypo	CG	-0.2252
Gm19	841958	842080	Gmdrm	hypo	CG	-0.2829
Gm19	852272	852321	Gmdrm	hypo	CG	-0.7233
Gm19	911060	911428	Gmdrm	hypo	CG	-0.4677
Gm19	923673	923791	Gmdrm	hypo	CG	-0.538
Gm19	924399	924541	Gmdrm	hypo	CG	-0.9475
Gm19	926556	926616	Gmdrm	hypo	CG	-0.484
Gm19	926782	926930	Gmdrm	hypo	CG	-0.3067
Gm19	938541	938610	Gmdrm	hypo	CG	-0.8366
Gm19	948267	948284	Gmdrm	hypo	CG	-0.7884
Gm19	954745	954820	Gmdrm	hypo	CG	-0.388
Gm19	1000011	1000098	Gmdrm	hypo	CG	-0.5437
Gm19	1000219	1000241	Gmdrm	hypo	CG	-0.775
Gm19	1024426	1024667	Gmdrm	hypo	CG	-0.5679
Gm19	1027888	1028012	Gmdrm	hypo	CG	-0.945
Gm19	1031395	1031520	Gmdrm	hypo	CG	-0.921
Gm19	1044676	1044702	Gmdrm	hypo	CG	-0.924
Gm19	1082576	1082603	Gmdrm	hypo	CG	-0.5862
Gm19	1083163	1083187	Gmdrm	hypo	CG	-0.4866
Gm19	1083838	1083888	Gmdrm	hypo	CG	-0.6833
Gm19	1087003	1087350	Gmdrm	hypo	CG	-0.039
Gm19	1101302	1101503	Gmdrm	hypo	CG	-0.8525
Gm19	1127274	1127375	Gmdrm	hypo	CG	-0.8634
Gm19	1134086	1134175	Gmdrm	hypo	CG	-0.8217
Gm19	1145521	1145786	Gmdrm	hypo	CG	-0.0489
Gm19	1173769	1173886	Gmdrm	hypo	CG	-0.2749
Gm19	1212083	1212197	Gmdrm	hypo	CG	-0.6533
Gm19	1212521	1212562	Gmdrm	hypo	CG	-0.855
Gm19	1225285	1225895	Gmdrm	hypo	CG	-0.2351
Gm19	1227966	1228467	Gmdrm	hypo	CG	-0.0758
Gm19	1232510	1232687	Gmdrm	hypo	CG	-0.4531
Gm19	1232804	1232919	Gmdrm	hypo	CG	-0.75
Gm19	1239696	1239742	Gmdrm	hypo	CG	-0.1784
Gm19	1239879	1240051	Gmdrm	hypo	CG	-0.731
Gm19	1243837	1243895	Gmdrm	hypo	CG	-0.4375
Gm19	1261662	1261929	Gmdrm	hypo	CG	-0.722
Gm19	1263565	1263666	Gmdrm	hypo	CG	-0.6075
Gm19	1263775	1264113	Gmdrm	hypo	CG	-0.485
Gm19	1271937	1271953	Gmdrm	hypo	CG	-0.9133
Gm19	1281213	1281428	Gmdrm	hypo	CG	-0.5348
Gm19	1283753	1283899	Gmdrm	hypo	CG	-0.0264
Gm19	1305913	1305965	Gmdrm	hypo	CG	-0.074
Gm19	1344796	1344951	Gmdrm	hypo	CG	-0.782
Gm19	1347940	1347986	Gmdrm	hypo	CG	-0.95
Gm19	1355467	1355596	Gmdrm	hypo	CG	-0.075
Gm19	1361307	1361446	Gmdrm	hypo	CG	-0.5862

Gm19	1367232	1367599	Gmdrm	hypo	CG	-0.0423
Gm19	1390220	1390269	Gmdrm	hypo	CG	-0.3686
Gm19	1413041	1413229	Gmdrm	hypo	CG	-0.2508
Gm19	1419526	1419602	Gmdrm	hypo	CG	-0.8
Gm19	1497551	1497601	Gmdrm	hypo	CG	-0.135
Gm19	1498212	1498279	Gmdrm	hypo	CG	-0.3883
Gm19	1498399	1498692	Gmdrm	hypo	CG	-0.3438
Gm19	1498969	1499058	Gmdrm	hypo	CG	-0.2625
Gm19	1506299	1506417	Gmdrm	hypo	CG	-0.3666
Gm19	1506848	1507018	Gmdrm	hypo	CG	-0.5486
Gm19	1507126	1507199	Gmdrm	hypo	CG	-0.5043
Gm19	1507319	1507613	Gmdrm	hypo	CG	-0.5379
Gm19	1507807	1507983	Gmdrm	hypo	CG	-0.85
Gm19	1510568	1510845	Gmdrm	hypo	CG	-0.0728
Gm19	1511291	1511519	Gmdrm	hypo	CG	-0.506
Gm19	1529409	1529470	Gmdrm	hypo	CG	-0.6883
Gm19	1582546	1582706	Gmdrm	hypo	CG	-0.2387
Gm19	1589826	1589916	Gmdrm	hypo	CG	-0.9162
Gm19	1610025	1610197	Gmdrm	hypo	CG	-0.3687
Gm19	1640813	1640978	Gmdrm	hypo	CG	-0.032
Gm19	1648777	1649110	Gmdrm	hypo	CG	-0.0371
Gm19	1651919	1652017	Gmdrm	hypo	CG	-0.0567
Gm19	1669160	1669395	Gmdrm	hypo	CG	-0.465
Gm19	1670572	1670674	Gmdrm	hypo	CG	-0.0956
Gm19	1671245	1671363	Gmdrm	hypo	CG	-0.18
Gm19	1683229	1683807	Gmdrm	hypo	CG	-0.5305
Gm19	1719810	1719898	Gmdrm	hypo	CG	-0.895
Gm19	1725083	1725169	Gmdrm	hypo	CG	-0.7
Gm19	1730444	1730853	Gmdrm	hypo	CG	-0.8545
Gm19	1786714	1786912	Gmdrm	hypo	CG	-0.9025
Gm19	1787439	1787601	Gmdrm	hypo	CG	-0.698
Gm19	1791855	1791937	Gmdrm	hypo	CG	-0.8683
Gm19	1810066	1810169	Gmdrm	hypo	CG	-0.7584
Gm19	1810300	1810522	Gmdrm	hypo	CG	-0.665
Gm19	1816321	1816597	Gmdrm	hypo	CG	-0.9385
Gm19	1831552	1831664	Gmdrm	hypo	CG	-0.0517
Gm19	1831850	1831939	Gmdrm	hypo	CG	-0.7534
Gm19	1832326	1832463	Gmdrm	hypo	CG	-0.826
Gm19	1835433	1835722	Gmdrm	hypo	CG	-0.8365
Gm19	1843064	1843111	Gmdrm	hypo	CG	-0.2825
Gm19	1852515	1852546	Gmdrm	hypo	CG	-0.965
Gm19	1855488	1855630	Gmdrm	hypo	CG	-0.705
Gm19	1856566	1856711	Gmdrm	hypo	CG	-0.67
Gm19	1857810	1857980	Gmdrm	hypo	CG	-0.9025
Gm19	1859047	1859442	Gmdrm	hypo	CG	-0.8433
Gm19	1865261	1865346	Gmdrm	hypo	CG	-0.8687

Gm19	1880477	1880508	Gmdrm	hypo	CG	-0.795
Gm19	1906925	1907142	Gmdrm	hypo	CG	-0.9162
Gm19	1945414	1945620	Gmdrm	hypo	CG	-0.0413
Gm19	1950919	1951069	Gmdrm	hypo	CG	-0.7966
Gm19	1954273	1954457	Gmdrm	hypo	CG	-0.142
Gm19	1968607	1968764	Gmdrm	hypo	CG	-0.577
Gm19	1969282	1969485	Gmdrm	hypo	CG	-0.2466
Gm19	2019366	2019401	Gmdrm	hypo	CG	-0.7317
Gm19	2029677	2029764	Gmdrm	hypo	CG	-0.321
Gm19	2032995	2033318	Gmdrm	hypo	CG	-0.9384
Gm19	2055243	2055377	Gmdrm	hypo	CG	-0.9022
Gm19	2062489	2062711	Gmdrm	hypo	CG	-0.341
Gm19	2065760	2065981	Gmdrm	hypo	CG	-0.55
Gm19	2070671	2070780	Gmdrm	hypo	CG	-0.831
Gm19	2070923	2071197	Gmdrm	hypo	CG	-0.9178
Gm19	2079467	2080233	Gmdrm	hypo	CG	-0.0435
Gm19	2103204	2103228	Gmdrm	hypo	CG	-0.5767
Gm19	2137933	2138197	Gmdrm	hypo	CG	-0.1445
Gm19	2141188	2141283	Gmdrm	hypo	CG	-0.6618
Gm19	2145874	2146146	Gmdrm	hypo	CG	-0.0958
Gm19	2147858	2147968	Gmdrm	hypo	CG	-0.658
Gm19	2155601	2155659	Gmdrm	hypo	CG	-0.0687
Gm19	2163288	2163538	Gmdrm	hypo	CG	-0.882
Gm19	2164420	2164691	Gmdrm	hypo	CG	-0.5914
Gm19	2165396	2165431	Gmdrm	hypo	CG	-0.3033
Gm19	2165845	2166080	Gmdrm	hypo	CG	-0.3491
Gm19	2170437	2170601	Gmdrm	hypo	CG	-0.567
Gm19	2192219	2192385	Gmdrm	hypo	CG	-0.3887
Gm19	2201555	2201644	Gmdrm	hypo	CG	-0.7175
Gm19	2210428	2210468	Gmdrm	hypo	CG	-0.9726
Gm19	2228262	2228440	Gmdrm	hypo	CG	-0.5025
Gm19	2248953	2248989	Gmdrm	hypo	CG	-0.704
Gm19	2267507	2267669	Gmdrm	hypo	CG	-0.2109
Gm19	2267879	2268152	Gmdrm	hypo	CG	-0.2354
Gm19	2272071	2272223	Gmdrm	hypo	CG	-0.4872
Gm19	2295990	2296077	Gmdrm	hypo	CG	-0.0333
Gm19	2305237	2305465	Gmdrm	hypo	CG	-0.0386
Gm19	2317102	2317173	Gmdrm	hypo	CG	-0.6667
Gm19	2317623	2317641	Gmdrm	hypo	CG	-0.8067
Gm19	2319104	2319149	Gmdrm	hypo	CG	-0.6117
Gm19	2366566	2366726	Gmdrm	hypo	CG	-0.3129
Gm19	2367671	2367930	Gmdrm	hypo	CG	-0.2561
Gm19	2370992	2371430	Gmdrm	hypo	CG	-0.1516
Gm19	2372821	2373000	Gmdrm	hypo	CG	-0.2867
Gm19	2374659	2374935	Gmdrm	hypo	CG	-0.0387
Gm19	2375193	2375629	Gmdrm	hypo	CG	-0.314

Gm19	2422536	2422725 Gmdrm	hypo	CG	-0.0466
Gm19	2426761	2426788 Gmdrm	hypo	CG	-0.72
Gm19	2429226	2429321 Gmdrm	hypo	CG	-0.9225
Gm19	2430738	2430895 Gmdrm	hypo	CG	-0.0467
Gm19	2438170	2438424 Gmdrm	hypo	CG	-0.5944
Gm19	2451418	2451757 Gmdrm	hypo	CG	-0.716
Gm19	2455457	2455640 Gmdrm	hypo	CG	-0.52
Gm19	2456053	2456230 Gmdrm	hypo	CG	-0.65
Gm19	2456385	2456420 Gmdrm	hypo	CG	-0.605
Gm19	2470336	2470430 Gmdrm	hypo	CG	-0.7212
Gm19	2472473	2472530 Gmdrm	hypo	CG	-0.091
Gm19	2474432	2474816 Gmdrm	hypo	CG	-0.495
Gm19	2475023	2475260 Gmdrm	hypo	CG	-0.7408
Gm19	2492984	2493984 Gmdrm	hypo	CG	-0.0915
Gm19	2521033	2521233 Gmdrm	hypo	CG	-0.875
Gm19	2522339	2522583 Gmdrm	hypo	CG	-0.5545
Gm19	2539252	2539374 Gmdrm	hypo	CG	-0.6017
Gm19	2546613	2546992 Gmdrm	hypo	CG	-0.7055
Gm19	2553653	2553770 Gmdrm	hypo	CG	-0.1814
Gm19	2559835	2559891 Gmdrm	hypo	CG	-0.8437
Gm19	2560123	2560367 Gmdrm	hypo	CG	-0.7436
Gm19	2599759	2600439 Gmdrm	hypo	CG	-0.1438
Gm19	2607278	2607457 Gmdrm	hypo	CG	-0.5266
Gm19	2633655	2633740 Gmdrm	hypo	CG	-0.81
Gm19	2671248	2671907 Gmdrm	hypo	CG	-0.4189
Gm19	2672718	2672932 Gmdrm	hypo	CG	-0.6888
Gm19	2674662	2674815 Gmdrm	hypo	CG	-0.92
Gm19	2676150	2676216 Gmdrm	hypo	CG	-0.799
Gm19	2676654	2676764 Gmdrm	hypo	CG	-0.2342
Gm19	2677079	2677135 Gmdrm	hypo	CG	-0.264
Gm19	2780967	2781044 Gmdrm	hypo	CG	-0.07
Gm19	2792833	2792901 Gmdrm	hypo	CG	-0.816
Gm19	2807721	2807800 Gmdrm	hypo	CG	-0.08
Gm19	2813400	2813475 Gmdrm	hypo	CG	-0.323
Gm19	2814030	2814284 Gmdrm	hypo	CG	-0.3285
Gm19	2826705	2826805 Gmdrm	hypo	CG	-0.7238
Gm19	2827156	2827306 Gmdrm	hypo	CG	-0.8117
Gm19	2867731	2867881 Gmdrm	hypo	CG	-0.562
Gm19	2875356	2875623 Gmdrm	hypo	CG	-0.3974
Gm19	2888357	2888811 Gmdrm	hypo	CG	-0.4946
Gm19	2890143	2890816 Gmdrm	hypo	CG	-0.2171
Gm19	2898384	2898643 Gmdrm	hypo	CG	-0.1922
Gm19	2975581	2975649 Gmdrm	hypo	CG	-0.22
Gm19	2979430	2979526 Gmdrm	hypo	CG	-0.121
Gm19	3011364	3011729 Gmdrm	hypo	CG	-0.0536
Gm19	3039299	3039478 Gmdrm	hypo	CG	-0.589

Gm19	3076345	3076917 Gmdrm	hypo	CG	-0.0269
Gm19	3094262	3094382 Gmdrm	hypo	CG	-0.2275
Gm19	3096762	3097018 Gmdrm	hypo	CG	-0.8007
Gm19	3098350	3098649 Gmdrm	hypo	CG	-0.3736
Gm19	3116041	3116118 Gmdrm	hypo	CG	-0.4288
Gm19	3125498	3125531 Gmdrm	hypo	CG	-0.5333
Gm19	3138013	3138173 Gmdrm	hypo	CG	-0.4233
Gm19	3142139	3142266 Gmdrm	hypo	CG	-0.0708
Gm19	3152512	3152901 Gmdrm	hypo	CG	-0.06
Gm19	3153014	3153062 Gmdrm	hypo	CG	-0.0613
Gm19	3190219	3190424 Gmdrm	hypo	CG	-0.379
Gm19	3190935	3191042 Gmdrm	hypo	CG	-0.4317
Gm19	3191177	3191296 Gmdrm	hypo	CG	-0.082
Gm19	3193688	3193782 Gmdrm	hypo	CG	-0.2
Gm19	3200037	3200259 Gmdrm	hypo	CG	-0.1327
Gm19	3217665	3217959 Gmdrm	hypo	CG	-0.5438
Gm19	3218435	3218518 Gmdrm	hypo	CG	-0.1837
Gm19	3218706	3219264 Gmdrm	hypo	CG	-0.5084
Gm19	3220011	3220208 Gmdrm	hypo	CG	-0.4262
Gm19	3246369	3246425 Gmdrm	hypo	CG	-0.303
Gm19	3250511	3251028 Gmdrm	hypo	CG	-0.053
Gm19	3261531	3261650 Gmdrm	hypo	CG	-0.5234
Gm19	3283661	3283947 Gmdrm	hypo	CG	-0.0625
Gm19	3290731	3290762 Gmdrm	hypo	CG	-0.8434
Gm19	3297526	3298017 Gmdrm	hypo	CG	-0.8534
Gm19	3298288	3298345 Gmdrm	hypo	CG	-0.3533
Gm19	3301836	3302475 Gmdrm	hypo	CG	-0.0485
Gm19	3306062	3306390 Gmdrm	hypo	CG	-0.577
Gm19	3310222	3310618 Gmdrm	hypo	CG	-0.3377
Gm19	3319703	3320065 Gmdrm	hypo	CG	-0.2916
Gm19	3333032	3333134 Gmdrm	hypo	CG	-0.925
Gm19	3404677	3404806 Gmdrm	hypo	CG	-0.438
Gm19	3436093	3436829 Gmdrm	hypo	CG	-0.2197
Gm19	3467071	3467201 Gmdrm	hypo	CG	-0.917
Gm19	3489184	3489411 Gmdrm	hypo	CG	-0.641
Gm19	3495019	3495370 Gmdrm	hypo	CG	-0.7537
Gm19	3538434	3538513 Gmdrm	hypo	CG	-0.6192
Gm19	3544509	3544819 Gmdrm	hypo	CG	-0.314
Gm19	3545217	3545446 Gmdrm	hypo	CG	-0.8375
Gm19	3550272	3550605 Gmdrm	hypo	CG	-0.1659
Gm19	3550773	3551027 Gmdrm	hypo	CG	-0.2107
Gm19	3551158	3551286 Gmdrm	hypo	CG	-0.9237
Gm19	3568069	3568501 Gmdrm	hypo	CG	-0.6966
Gm19	3568877	3569497 Gmdrm	hypo	CG	-0.0924
Gm19	3572598	3572957 Gmdrm	hypo	CG	-0.6523
Gm19	3574477	3574651 Gmdrm	hypo	CG	-0.468

Gm19	3574831	3574921	Gmdrm	hypo	CG	-0.83
Gm19	3575049	3575300	Gmdrm	hypo	CG	-0.7125
Gm19	3575737	3576047	Gmdrm	hypo	CG	-0.6465
Gm19	3576631	3576944	Gmdrm	hypo	CG	-0.5022
Gm19	3577148	3577340	Gmdrm	hypo	CG	-0.5858
Gm19	3593859	3593975	Gmdrm	hypo	CG	-0.6571
Gm19	3594944	3595021	Gmdrm	hypo	CG	-0.9338
Gm19	3618743	3618846	Gmdrm	hypo	CG	-0.9213
Gm19	3621669	3621718	Gmdrm	hypo	CG	-0.4813
Gm19	3624874	3625857	Gmdrm	hypo	CG	-0.0542
Gm19	3705732	3705954	Gmdrm	hypo	CG	-0.6675
Gm19	3713012	3713484	Gmdrm	hypo	CG	-0.03
Gm19	3720520	3720599	Gmdrm	hypo	CG	-0.72
Gm19	3723511	3723543	Gmdrm	hypo	CG	-0.582
Gm19	3724858	3724899	Gmdrm	hypo	CG	-0.118
Gm19	3747340	3747601	Gmdrm	hypo	CG	-0.7151
Gm19	3758509	3758984	Gmdrm	hypo	CG	-0.0307
Gm19	3759288	3759586	Gmdrm	hypo	CG	-0.4843
Gm19	3766349	3766521	Gmdrm	hypo	CG	-0.725
Gm19	3789210	3789302	Gmdrm	hypo	CG	-0.2215
Gm19	3800187	3800334	Gmdrm	hypo	CG	-0.8089
Gm19	3800768	3800852	Gmdrm	hypo	CG	-0.145
Gm19	3803244	3803406	Gmdrm	hypo	CG	-0.0391
Gm19	3836950	3837129	Gmdrm	hypo	CG	-0.8825
Gm19	3839602	3839790	Gmdrm	hypo	CG	-0.8649
Gm19	3849163	3849250	Gmdrm	hypo	CG	-0.202
Gm19	3851341	3851546	Gmdrm	hypo	CG	-0.5009
Gm19	3858883	3858974	Gmdrm	hypo	CG	-0.7767
Gm19	3859603	3860021	Gmdrm	hypo	CG	-0.046
Gm19	3869228	3869277	Gmdrm	hypo	CG	-0.1216
Gm19	3896680	3896773	Gmdrm	hypo	CG	-0.9333
Gm19	3978363	3978505	Gmdrm	hypo	CG	-0.238
Gm19	3998888	3999195	Gmdrm	hypo	CG	-0.1821
Gm19	4013300	4013409	Gmdrm	hypo	CG	-0.3962
Gm19	4030634	4030814	Gmdrm	hypo	CG	-0.0444
Gm19	4048951	4049097	Gmdrm	hypo	CG	-0.3362
Gm19	4066292	4066420	Gmdrm	hypo	CG	-0.0625
Gm19	4100112	4100164	Gmdrm	hypo	CG	-0.5724
Gm19	4124010	4124172	Gmdrm	hypo	CG	-0.5701
Gm19	4177446	4177630	Gmdrm	hypo	CG	-0.0419
Gm19	4203152	4203401	Gmdrm	hypo	CG	-0.6994
Gm19	4206668	4206833	Gmdrm	hypo	CG	-0.3688
Gm19	4208453	4208624	Gmdrm	hypo	CG	-0.958
Gm19	4209560	4209819	Gmdrm	hypo	CG	-0.057
Gm19	4214128	4214253	Gmdrm	hypo	CG	-0.12
Gm19	4260603	4260773	Gmdrm	hypo	CG	-0.482

Gm19	4261300	4261484	Gmdrm	hypo	CG	-0.34
Gm19	4289105	4289214	Gmdrm	hypo	CG	-0.772
Gm19	4296846	4297306	Gmdrm	hypo	CG	-0.1533
Gm19	4319530	4319630	Gmdrm	hypo	CG	-0.1163
Gm19	4331853	4332104	Gmdrm	hypo	CG	-0.4358
Gm19	4334381	4334576	Gmdrm	hypo	CG	-0.3739
Gm19	4350528	4350720	Gmdrm	hypo	CG	-0.373
Gm19	4364218	4364645	Gmdrm	hypo	CG	-0.51
Gm19	4373811	4373929	Gmdrm	hypo	CG	-0.12
Gm19	4377629	4377833	Gmdrm	hypo	CG	-0.4225
Gm19	4410409	4410594	Gmdrm	hypo	CG	-0.1538
Gm19	4415517	4415936	Gmdrm	hypo	CG	-0.102
Gm19	4419496	4419572	Gmdrm	hypo	CG	-0.1999
Gm19	4422549	4422606	Gmdrm	hypo	CG	-0.06
Gm19	4426199	4426246	Gmdrm	hypo	CG	-0.32
Gm19	4426667	4426920	Gmdrm	hypo	CG	-0.147
Gm19	4429786	4429856	Gmdrm	hypo	CG	-0.835
Gm19	4430635	4430712	Gmdrm	hypo	CG	-0.7783
Gm19	4507997	4508205	Gmdrm	hypo	CG	-0.6225
Gm19	4518009	4518266	Gmdrm	hypo	CG	-0.0572
Gm19	4541334	4541542	Gmdrm	hypo	CG	-0.3809
Gm19	4541872	4542175	Gmdrm	hypo	CG	-0.1212
Gm19	4550186	4550293	Gmdrm	hypo	CG	-0.6367
Gm19	4550711	4551018	Gmdrm	hypo	CG	-0.0796
Gm19	4558891	4558934	Gmdrm	hypo	CG	-0.63
Gm19	4599708	4600061	Gmdrm	hypo	CG	-0.5173
Gm19	4775138	4775684	Gmdrm	hypo	CG	-0.0218
Gm19	4816355	4816543	Gmdrm	hypo	CG	-0.05
Gm19	4923541	4923766	Gmdrm	hypo	CG	-0.0412
Gm19	4981617	4981690	Gmdrm	hypo	CG	-0.0617
Gm19	4992439	4992604	Gmdrm	hypo	CG	-0.0671
Gm19	5007404	5007874	Gmdrm	hypo	CG	-0.25
Gm19	5010459	5010573	Gmdrm	hypo	CG	-0.255
Gm19	5018006	5018173	Gmdrm	hypo	CG	-0.9431
Gm19	5018307	5018388	Gmdrm	hypo	CG	-0.9137
Gm19	5019846	5019922	Gmdrm	hypo	CG	-0.43
Gm19	5051129	5051339	Gmdrm	hypo	CG	-0.2284
Gm19	5064010	5064219	Gmdrm	hypo	CG	-0.245
Gm19	5086035	5086349	Gmdrm	hypo	CG	-0.5657
Gm19	5109859	5109949	Gmdrm	hypo	CG	-0.7533
Gm19	5125874	5125925	Gmdrm	hypo	CG	-0.812
Gm19	5212536	5212634	Gmdrm	hypo	CG	-0.0337
Gm19	5213049	5213714	Gmdrm	hypo	CG	-0.0305
Gm19	5223906	5224052	Gmdrm	hypo	CG	-0.071
Gm19	5235277	5235569	Gmdrm	hypo	CG	-0.6463
Gm19	5268344	5268385	Gmdrm	hypo	CG	-0.9217

Gm19	5290899	5291048 Gmdrm	hypo	CG	-0.036
Gm19	5297134	5297290 Gmdrm	hypo	CG	-0.615
Gm19	5326063	5326183 Gmdrm	hypo	CG	-0.4887
Gm19	5326755	5326816 Gmdrm	hypo	CG	-0.1008
Gm19	5372975	5373306 Gmdrm	hypo	CG	-0.1188
Gm19	5374423	5374533 Gmdrm	hypo	CG	-0.1257
Gm19	5374980	5375240 Gmdrm	hypo	CG	-0.64
Gm19	5375682	5375697 Gmdrm	hypo	CG	-0.85
Gm19	5384865	5384977 Gmdrm	hypo	CG	-0.495
Gm19	5400000	5400166 Gmdrm	hypo	CG	-0.244
Gm19	5400313	5400464 Gmdrm	hypo	CG	-0.2571
Gm19	5400603	5400763 Gmdrm	hypo	CG	-0.8036
Gm19	5402815	5402867 Gmdrm	hypo	CG	-0.4866
Gm19	5436527	5436668 Gmdrm	hypo	CG	-0.4767
Gm19	5477649	5477947 Gmdrm	hypo	CG	-0.0397
Gm19	5489035	5489101 Gmdrm	hypo	CG	-0.2075
Gm19	5489652	5489723 Gmdrm	hypo	CG	-0.6049
Gm19	5524177	5524333 Gmdrm	hypo	CG	-0.8083
Gm19	5531832	5532289 Gmdrm	hypo	CG	-0.1474
Gm19	5557599	5558094 Gmdrm	hypo	CG	-0.7891
Gm19	5583623	5583724 Gmdrm	hypo	CG	-0.6433
Gm19	5590283	5590466 Gmdrm	hypo	CG	-0.595
Gm19	5627103	5627188 Gmdrm	hypo	CG	-0.3309
Gm19	5639760	5640072 Gmdrm	hypo	CG	-0.2193
Gm19	5697319	5697986 Gmdrm	hypo	CG	-0.0332
Gm19	5706730	5706767 Gmdrm	hypo	CG	-0.055
Gm19	5709749	5709827 Gmdrm	hypo	CG	-0.4412
Gm19	5718356	5718467 Gmdrm	hypo	CG	-0.295
Gm19	5732352	5732665 Gmdrm	hypo	CG	-0.1675
Gm19	5734225	5734366 Gmdrm	hypo	CG	-0.3737
Gm19	5761641	5761798 Gmdrm	hypo	CG	-0.5691
Gm19	5787683	5787710 Gmdrm	hypo	CG	-0.7516
Gm19	5788966	5789130 Gmdrm	hypo	CG	-0.0913
Gm19	5819852	5819986 Gmdrm	hypo	CG	-0.56
Gm19	5824498	5824526 Gmdrm	hypo	CG	-0.2633
Gm19	5824643	5824909 Gmdrm	hypo	CG	-0.2611
Gm19	5849109	5849562 Gmdrm	hypo	CG	-0.0758
Gm19	5850206	5850255 Gmdrm	hypo	CG	-0.1666
Gm19	5857633	5857873 Gmdrm	hypo	CG	-0.0742
Gm19	5903554	5903605 Gmdrm	hypo	CG	-0.96
Gm19	5904265	5904435 Gmdrm	hypo	CG	-0.7425
Gm19	5904611	5904682 Gmdrm	hypo	CG	-0.4113
Gm19	5907946	5908068 Gmdrm	hypo	CG	-0.3111
Gm19	5956018	5956089 Gmdrm	hypo	CG	-0.242
Gm19	5965324	5965395 Gmdrm	hypo	CG	-0.68
Gm19	6018663	6018763 Gmdrm	hypo	CG	-0.975

Gm19	6027743	6028046	Gmdrm	hypo	CG	-0.2357
Gm19	6032207	6032767	Gmdrm	hypo	CG	-0.233
Gm19	6081073	6081213	Gmdrm	hypo	CG	-0.04
Gm19	6092747	6092842	Gmdrm	hypo	CG	-0.4984
Gm19	6092978	6093088	Gmdrm	hypo	CG	-0.2733
Gm19	6131878	6131961	Gmdrm	hypo	CG	-0.9214
Gm19	6135903	6136398	Gmdrm	hypo	CG	-0.0408
Gm19	6144362	6144517	Gmdrm	hypo	CG	-0.0483
Gm19	6151685	6151798	Gmdrm	hypo	CG	-0.725
Gm19	6155615	6155833	Gmdrm	hypo	CG	-0.2719
Gm19	6195928	6196017	Gmdrm	hypo	CG	-0.7125
Gm19	6254135	6254222	Gmdrm	hypo	CG	-0.49
Gm19	6256512	6256592	Gmdrm	hypo	CG	-0.1688
Gm19	6258001	6258017	Gmdrm	hypo	CG	-0.6983
Gm19	6258549	6258654	Gmdrm	hypo	CG	-0.808
Gm19	6262115	6262143	Gmdrm	hypo	CG	-0.0713
Gm19	6315239	6315589	Gmdrm	hypo	CG	-0.518
Gm19	6396368	6396549	Gmdrm	hypo	CG	-0.2784
Gm19	6424221	6424539	Gmdrm	hypo	CG	-0.8393
Gm19	6424822	6424892	Gmdrm	hypo	CG	-0.82
Gm19	6436281	6436567	Gmdrm	hypo	CG	-0.0279
Gm19	6464589	6464748	Gmdrm	hypo	CG	-0.9658
Gm19	6468270	6468337	Gmdrm	hypo	CG	-0.4834
Gm19	6468530	6468661	Gmdrm	hypo	CG	-0.857
Gm19	6486926	6486965	Gmdrm	hypo	CG	-0.0567
Gm19	6491398	6491411	Gmdrm	hypo	CG	-0.056
Gm19	6492954	6493282	Gmdrm	hypo	CG	-0.5485
Gm19	6561184	6561384	Gmdrm	hypo	CG	-0.4967
Gm19	6570790	6570903	Gmdrm	hypo	CG	-0.6233
Gm19	6624886	6624999	Gmdrm	hypo	CG	-0.055
Gm19	6626314	6626437	Gmdrm	hypo	CG	-0.054
Gm19	6637542	6637792	Gmdrm	hypo	CG	-0.0421
Gm19	6652210	6652315	Gmdrm	hypo	CG	-0.04
Gm19	6653924	6654001	Gmdrm	hypo	CG	-0.5534
Gm19	6675499	6675780	Gmdrm	hypo	CG	-0.1022
Gm19	6715712	6715759	Gmdrm	hypo	CG	-0.0583
Gm19	6776416	6776476	Gmdrm	hypo	CG	-0.035
Gm19	6778480	6778732	Gmdrm	hypo	CG	-0.035
Gm19	6785499	6785645	Gmdrm	hypo	CG	-0.0713
Gm19	6814906	6815080	Gmdrm	hypo	CG	-0.0583
Gm19	6815731	6815920	Gmdrm	hypo	CG	-0.1434
Gm19	6872156	6872238	Gmdrm	hypo	CG	-0.104
Gm19	6957553	6957643	Gmdrm	hypo	CG	-0.0367
Gm19	6965247	6965751	Gmdrm	hypo	CG	-0.0353
Gm19	6977702	6977985	Gmdrm	hypo	CG	-0.6088
Gm19	6986483	6986747	Gmdrm	hypo	CG	-0.0707

Gm19	6999013	6999098 Gmdrm	hypo	CG	-0.125
Gm19	7112653	7112758 Gmdrm	hypo	CG	-0.3475
Gm19	7112909	7113135 Gmdrm	hypo	CG	-0.8967
Gm19	7115952	7116043 Gmdrm	hypo	CG	-0.0817
Gm19	7119588	7119894 Gmdrm	hypo	CG	-0.2265
Gm19	7123745	7124129 Gmdrm	hypo	CG	-0.7016
Gm19	7124615	7124906 Gmdrm	hypo	CG	-0.1693
Gm19	7132240	7132637 Gmdrm	hypo	CG	-0.3841
Gm19	7155069	7155150 Gmdrm	hypo	CG	-0.0617
Gm19	7165861	7166020 Gmdrm	hypo	CG	-0.9225
Gm19	7166511	7166832 Gmdrm	hypo	CG	-0.7396
Gm19	7167517	7167840 Gmdrm	hypo	CG	-0.4333
Gm19	7190917	7190964 Gmdrm	hypo	CG	-0.6417
Gm19	7284967	7285007 Gmdrm	hypo	CG	-0.3587
Gm19	7300897	7301113 Gmdrm	hypo	CG	-0.4181
Gm19	7301507	7301761 Gmdrm	hypo	CG	-0.4785
Gm19	7325464	7325550 Gmdrm	hypo	CG	-0.16
Gm19	7329424	7329546 Gmdrm	hypo	CG	-0.8613
Gm19	7337021	7337126 Gmdrm	hypo	CG	-0.875
Gm19	7346477	7346608 Gmdrm	hypo	CG	-0.4038
Gm19	7347735	7347962 Gmdrm	hypo	CG	-0.3987
Gm19	7348209	7348265 Gmdrm	hypo	CG	-0.24
Gm19	7350472	7350651 Gmdrm	hypo	CG	-0.9487
Gm19	7350955	7351055 Gmdrm	hypo	CG	-0.2474
Gm19	7374835	7375001 Gmdrm	hypo	CG	-0.63
Gm19	7441661	7441781 Gmdrm	hypo	CG	-0.12
Gm19	7457891	7458084 Gmdrm	hypo	CG	-0.488
Gm19	7495071	7495084 Gmdrm	hypo	CG	-0.12
Gm19	7499082	7499172 Gmdrm	hypo	CG	-0.6476
Gm19	7532672	7533331 Gmdrm	hypo	CG	-0.0516
Gm19	7788808	7789064 Gmdrm	hypo	CG	-0.0704
Gm19	7802269	7802334 Gmdrm	hypo	CG	-0.125
Gm19	7823227	7823660 Gmdrm	hypo	CG	-0.0637
Gm19	7859185	7859384 Gmdrm	hypo	CG	-0.6155
Gm19	7860723	7861147 Gmdrm	hypo	CG	-0.2645
Gm19	7861287	7861415 Gmdrm	hypo	CG	-0.2355
Gm19	7866421	7866726 Gmdrm	hypo	CG	-0.3328
Gm19	7912758	7913005 Gmdrm	hypo	CG	-0.0711
Gm19	7927815	7928060 Gmdrm	hypo	CG	-0.449
Gm19	7949325	7949371 Gmdrm	hypo	CG	-0.56
Gm19	7975158	7975344 Gmdrm	hypo	CG	-0.28
Gm19	8013169	8013355 Gmdrm	hypo	CG	-0.7976
Gm19	8031512	8031944 Gmdrm	hypo	CG	-0.0578
Gm19	8075361	8075557 Gmdrm	hypo	CG	-0.0421
Gm19	8095351	8095465 Gmdrm	hypo	CG	-0.07
Gm19	8113296	8113511 Gmdrm	hypo	CG	-0.5265

Gm19	8113767	8114082	Gmdrm	hypo	CG	-0.463
Gm19	8114299	8114423	Gmdrm	hypo	CG	-0.2783
Gm19	8130589	8130739	Gmdrm	hypo	CG	-0.052
Gm19	8131674	8131843	Gmdrm	hypo	CG	-0.591
Gm19	8132445	8132658	Gmdrm	hypo	CG	-0.1019
Gm19	8149607	8149667	Gmdrm	hypo	CG	-0.03
Gm19	8152351	8152376	Gmdrm	hypo	CG	-0.06
Gm19	8165755	8165836	Gmdrm	hypo	CG	-0.8574
Gm19	8167613	8168002	Gmdrm	hypo	CG	-0.4483
Gm19	8175722	8175857	Gmdrm	hypo	CG	-0.1467
Gm19	8201660	8202231	Gmdrm	hypo	CG	-0.4517
Gm19	8206159	8206192	Gmdrm	hypo	CG	-0.255
Gm19	8207253	8207492	Gmdrm	hypo	CG	-0.3075
Gm19	8208154	8208272	Gmdrm	hypo	CG	-0.81
Gm19	8220352	8220578	Gmdrm	hypo	CG	-0.278
Gm19	8228938	8229400	Gmdrm	hypo	CG	-0.34
Gm19	8259886	8260243	Gmdrm	hypo	CG	-0.0825
Gm19	8290697	8290826	Gmdrm	hypo	CG	-0.433
Gm19	8300619	8300873	Gmdrm	hypo	CG	-0.6906
Gm19	8306552	8306734	Gmdrm	hypo	CG	-0.2245
Gm19	8343555	8344057	Gmdrm	hypo	CG	-0.0781
Gm19	8350822	8351118	Gmdrm	hypo	CG	-0.2913
Gm19	8415590	8415734	Gmdrm	hypo	CG	-0.376
Gm19	8432797	8432907	Gmdrm	hypo	CG	-0.1967
Gm19	8512377	8512402	Gmdrm	hypo	CG	-0.57
Gm19	8540539	8540829	Gmdrm	hypo	CG	-0.0747
Gm19	8547157	8547260	Gmdrm	hypo	CG	-0.4367
Gm19	8564506	8564550	Gmdrm	hypo	CG	-0.05
Gm19	8598985	8599163	Gmdrm	hypo	CG	-0.1534
Gm19	8599417	8599470	Gmdrm	hypo	CG	-0.2383
Gm19	8600087	8600295	Gmdrm	hypo	CG	-0.5775
Gm19	8601290	8601384	Gmdrm	hypo	CG	-0.2216
Gm19	8603209	8603318	Gmdrm	hypo	CG	-0.052
Gm19	8607970	8608097	Gmdrm	hypo	CG	-0.3425
Gm19	8610448	8610548	Gmdrm	hypo	CG	-0.1192
Gm19	8636069	8636150	Gmdrm	hypo	CG	-0.4266
Gm19	8647396	8648000	Gmdrm	hypo	CG	-0.0333
Gm19	8669432	8669742	Gmdrm	hypo	CG	-0.0719
Gm19	8683926	8683989	Gmdrm	hypo	CG	-0.4709
Gm19	8691144	8691441	Gmdrm	hypo	CG	-0.071
Gm19	8730575	8730719	Gmdrm	hypo	CG	-0.8884
Gm19	8751855	8751982	Gmdrm	hypo	CG	-0.168
Gm19	8757687	8757703	Gmdrm	hypo	CG	-0.3025
Gm19	8758075	8758092	Gmdrm	hypo	CG	-0.7237
Gm19	8759493	8759584	Gmdrm	hypo	CG	-0.165
Gm19	8759732	8759848	Gmdrm	hypo	CG	-0.6087

Gm19	8784046	8784155	Gmdrm	hypo	CG	-0.0364
Gm19	8824244	8824254	Gmdrm	hypo	CG	-0.9834
Gm19	8847540	8847844	Gmdrm	hypo	CG	-0.408
Gm19	8858413	8858723	Gmdrm	hypo	CG	-0.4374
Gm19	8919580	8920154	Gmdrm	hypo	CG	-0.0798
Gm19	8958342	8958501	Gmdrm	hypo	CG	-0.0417
Gm19	8958650	8958736	Gmdrm	hypo	CG	-0.6683
Gm19	8996358	8996578	Gmdrm	hypo	CG	-0.0496
Gm19	8999274	8999391	Gmdrm	hypo	CG	-0.832
Gm19	8999652	8999840	Gmdrm	hypo	CG	-0.4533
Gm19	9001010	9001268	Gmdrm	hypo	CG	-0.4689
Gm19	9002599	9002618	Gmdrm	hypo	CG	-0.026
Gm19	9006270	9006358	Gmdrm	hypo	CG	-0.105
Gm19	9023272	9023405	Gmdrm	hypo	CG	-0.086
Gm19	9023594	9023822	Gmdrm	hypo	CG	-0.892
Gm19	9088691	9088896	Gmdrm	hypo	CG	-0.2636
Gm19	9119023	9119246	Gmdrm	hypo	CG	-0.0317
Gm19	9119392	9119466	Gmdrm	hypo	CG	-0.635
Gm19	9121508	9121600	Gmdrm	hypo	CG	-0.6125
Gm19	9142574	9142703	Gmdrm	hypo	CG	-0.5583
Gm19	9219248	9219390	Gmdrm	hypo	CG	-0.0817
Gm19	9281772	9282078	Gmdrm	hypo	CG	-0.7615
Gm19	9289533	9289655	Gmdrm	hypo	CG	-0.9283
Gm19	9292955	9293915	Gmdrm	hypo	CG	-0.0261
Gm19	9343100	9343397	Gmdrm	hypo	CG	-0.4105
Gm19	9396877	9397158	Gmdrm	hypo	CG	-0.19
Gm19	9532948	9533105	Gmdrm	hypo	CG	-0.1142
Gm19	9573599	9573740	Gmdrm	hypo	CG	-0.5733
Gm19	9573981	9574085	Gmdrm	hypo	CG	-0.7224
Gm19	9574449	9574800	Gmdrm	hypo	CG	-0.7884
Gm19	9575298	9575404	Gmdrm	hypo	CG	-0.724
Gm19	9576598	9576751	Gmdrm	hypo	CG	-0.7137
Gm19	9578853	9579033	Gmdrm	hypo	CG	-0.2856
Gm19	9579589	9579750	Gmdrm	hypo	CG	-0.9063
Gm19	9580706	9580916	Gmdrm	hypo	CG	-0.2113
Gm19	9581932	9581992	Gmdrm	hypo	CG	-0.758
Gm19	9653488	9654428	Gmdrm	hypo	CG	-0.0512
Gm19	9718838	9719051	Gmdrm	hypo	CG	-0.14
Gm19	9730842	9730981	Gmdrm	hypo	CG	-0.4662
Gm19	9736423	9736892	Gmdrm	hypo	CG	-0.0409
Gm19	9748548	9748720	Gmdrm	hypo	CG	-0.0833
Gm19	9845260	9845460	Gmdrm	hypo	CG	-0.07
Gm19	9848995	9849485	Gmdrm	hypo	CG	-0.0229
Gm19	9856139	9856223	Gmdrm	hypo	CG	-0.56
Gm19	9856497	9856652	Gmdrm	hypo	CG	-0.613
Gm19	9858492	9858575	Gmdrm	hypo	CG	-0.187

Gm19	9993877	9994004	Gmdrm	hypo	CG	-0.1
Gm19	10038369	10038801	Gmdrm	hypo	CG	-0.06
Gm19	10181272	10181440	Gmdrm	hypo	CG	-0.2362
Gm19	10190382	10190666	Gmdrm	hypo	CG	-0.0432
Gm19	10213416	10213940	Gmdrm	hypo	CG	-0.0557
Gm19	10255172	10255287	Gmdrm	hypo	CG	-0.0612
Gm19	10316715	10316888	Gmdrm	hypo	CG	-0.0817
Gm19	10435198	10435613	Gmdrm	hypo	CG	-0.2523
Gm19	10460664	10461169	Gmdrm	hypo	CG	-0.071
Gm19	10526482	10527092	Gmdrm	hypo	CG	-0.0312
Gm19	10615080	10615169	Gmdrm	hypo	CG	-0.37
Gm19	10707551	10707763	Gmdrm	hypo	CG	-0.062
Gm19	10865014	10865242	Gmdrm	hypo	CG	-0.0357
Gm19	10891951	10892263	Gmdrm	hypo	CG	-0.062
Gm19	10903873	10904014	Gmdrm	hypo	CG	-0.105
Gm19	10937411	10937757	Gmdrm	hypo	CG	-0.7514
Gm19	10955206	10955252	Gmdrm	hypo	CG	-0.05
Gm19	11100236	11100487	Gmdrm	hypo	CG	-0.045
Gm19	11664361	11664475	Gmdrm	hypo	CG	-0.09
Gm19	11732334	11732636	Gmdrm	hypo	CG	-0.0322
Gm19	11767191	11767358	Gmdrm	hypo	CG	-0.0963
Gm19	11810677	11810750	Gmdrm	hypo	CG	-0.9167
Gm19	11864200	11864330	Gmdrm	hypo	CG	-0.205
Gm19	12055805	12055923	Gmdrm	hypo	CG	-0.8137
Gm19	12103003	12103428	Gmdrm	hypo	CG	-0.04
Gm19	12216531	12216550	Gmdrm	hypo	CG	-0.106
Gm19	12255012	12255224	Gmdrm	hypo	CG	-0.8171
Gm19	12264527	12264744	Gmdrm	hypo	CG	-0.0386
Gm19	12289602	12289688	Gmdrm	hypo	CG	-0.7367
Gm19	12299175	12299461	Gmdrm	hypo	CG	-0.775
Gm19	12342645	12342689	Gmdrm	hypo	CG	-0.4734
Gm19	12401277	12401708	Gmdrm	hypo	CG	-0.3146
Gm19	12417158	12418157	Gmdrm	hypo	CG	-0.0255
Gm19	12494364	12494609	Gmdrm	hypo	CG	-0.0538
Gm19	12577836	12577941	Gmdrm	hypo	CG	-0.35
Gm19	12658218	12658807	Gmdrm	hypo	CG	-0.0654
Gm19	12721557	12721637	Gmdrm	hypo	CG	-0.0614
Gm19	12747372	12747883	Gmdrm	hypo	CG	-0.0375
Gm19	12767462	12767507	Gmdrm	hypo	CG	-0.075
Gm19	12767664	12767850	Gmdrm	hypo	CG	-0.0416
Gm19	12859715	12859820	Gmdrm	hypo	CG	-0.1512
Gm19	13007246	13007565	Gmdrm	hypo	CG	-0.085
Gm19	13025165	13025349	Gmdrm	hypo	CG	-0.0618
Gm19	13067647	13067754	Gmdrm	hypo	CG	-0.3336
Gm19	13068189	13068347	Gmdrm	hypo	CG	-0.4226
Gm19	13094181	13094510	Gmdrm	hypo	CG	-0.5906

Gm19	13133389	13133569	Gmdrm	hypo	CG	-0.0634
Gm19	13137559	13138049	Gmdrm	hypo	CG	-0.0477
Gm19	13157233	13157551	Gmdrm	hypo	CG	-0.1005
Gm19	13217153	13217757	Gmdrm	hypo	CG	-0.0691
Gm19	13237432	13237798	Gmdrm	hypo	CG	-0.0328
Gm19	13258454	13258724	Gmdrm	hypo	CG	-0.9556
Gm19	13303492	13303863	Gmdrm	hypo	CG	-0.0845
Gm19	13319443	13320002	Gmdrm	hypo	CG	-0.0555
Gm19	13386945	13387590	Gmdrm	hypo	CG	-0.0446
Gm19	13425067	13425399	Gmdrm	hypo	CG	-0.0605
Gm19	13634883	13635053	Gmdrm	hypo	CG	-0.1438
Gm19	13635263	13635296	Gmdrm	hypo	CG	-0.4617
Gm19	13647136	13647249	Gmdrm	hypo	CG	-0.0957
Gm19	13653011	13653436	Gmdrm	hypo	CG	-0.055
Gm19	13685039	13685521	Gmdrm	hypo	CG	-0.0458
Gm19	13686510	13686702	Gmdrm	hypo	CG	-0.1425
Gm19	13693682	13694001	Gmdrm	hypo	CG	-0.7334
Gm19	13697063	13697415	Gmdrm	hypo	CG	-0.7023
Gm19	13697716	13697755	Gmdrm	hypo	CG	-0.6913
Gm19	13697892	13697904	Gmdrm	hypo	CG	-0.4783
Gm19	13705473	13705655	Gmdrm	hypo	CG	-0.3267
Gm19	13706006	13706185	Gmdrm	hypo	CG	-0.1788
Gm19	13714654	13714748	Gmdrm	hypo	CG	-0.032
Gm19	13739709	13739849	Gmdrm	hypo	CG	-0.47
Gm19	13824316	13824656	Gmdrm	hypo	CG	-0.0659
Gm19	13829445	13830096	Gmdrm	hypo	CG	-0.0548
Gm19	13869928	13870001	Gmdrm	hypo	CG	-0.3133
Gm19	14009407	14009486	Gmdrm	hypo	CG	-0.1333
Gm19	14070896	14071487	Gmdrm	hypo	CG	-0.0414
Gm19	14098023	14098669	Gmdrm	hypo	CG	-0.0438
Gm19	14107807	14108340	Gmdrm	hypo	CG	-0.0938
Gm19	14216590	14216699	Gmdrm	hypo	CG	-0.041
Gm19	14458036	14458182	Gmdrm	hypo	CG	-0.12
Gm19	14500271	14500363	Gmdrm	hypo	CG	-0.1315
Gm19	14584543	14585204	Gmdrm	hypo	CG	-0.0357
Gm19	14615058	14615573	Gmdrm	hypo	CG	-0.1077
Gm19	14782736	14783144	Gmdrm	hypo	CG	-0.0864
Gm19	14799696	14799808	Gmdrm	hypo	CG	-0.0643
Gm19	14817695	14818683	Gmdrm	hypo	CG	-0.0416
Gm19	15011605	15011837	Gmdrm	hypo	CG	-0.0867
Gm19	15096393	15096527	Gmdrm	hypo	CG	-0.0785
Gm19	15114946	15115342	Gmdrm	hypo	CG	-0.0709
Gm19	15147942	15148017	Gmdrm	hypo	CG	-0.3433
Gm19	15148289	15148524	Gmdrm	hypo	CG	-0.7217
Gm19	15164391	15164641	Gmdrm	hypo	CG	-0.0357
Gm19	15256065	15256446	Gmdrm	hypo	CG	-0.0564

Gm19	15262005	15262899	Gmdrm	hypo	CG	-0.0316
Gm19	15302800	15302918	Gmdrm	hypo	CG	-0.0707
Gm19	15311058	15311294	Gmdrm	hypo	CG	-0.045
Gm19	15311427	15311729	Gmdrm	hypo	CG	-0.3111
Gm19	15339067	15340065	Gmdrm	hypo	CG	-0.039
Gm19	15477454	15477654	Gmdrm	hypo	CG	-0.0514
Gm19	15585352	15585905	Gmdrm	hypo	CG	-0.07
Gm19	15586851	15587060	Gmdrm	hypo	CG	-0.0568
Gm19	15640881	15641086	Gmdrm	hypo	CG	-0.0778
Gm19	15790985	15791339	Gmdrm	hypo	CG	-0.0377
Gm19	15966573	15966938	Gmdrm	hypo	CG	-0.0643
Gm19	15971775	15971962	Gmdrm	hypo	CG	-0.0915
Gm19	16132908	16133216	Gmdrm	hypo	CG	-0.037
Gm19	16158626	16159110	Gmdrm	hypo	CG	-0.0534
Gm19	16163870	16164182	Gmdrm	hypo	CG	-0.0353
Gm19	16192796	16193410	Gmdrm	hypo	CG	-0.0263
Gm19	16199666	16199818	Gmdrm	hypo	CG	-0.18
Gm19	16246816	16247140	Gmdrm	hypo	CG	-0.0484
Gm19	16271678	16271867	Gmdrm	hypo	CG	-0.12
Gm19	16388152	16388301	Gmdrm	hypo	CG	-0.066
Gm19	16429859	16430300	Gmdrm	hypo	CG	-0.0477
Gm19	16500716	16501188	Gmdrm	hypo	CG	-0.1325
Gm19	16528829	16529360	Gmdrm	hypo	CG	-0.0489
Gm19	16552138	16552388	Gmdrm	hypo	CG	-0.4842
Gm19	16586976	16586997	Gmdrm	hypo	CG	-0.044
Gm19	16598307	16598901	Gmdrm	hypo	CG	-0.046
Gm19	16610863	16611155	Gmdrm	hypo	CG	-0.095
Gm19	16637393	16637468	Gmdrm	hypo	CG	-0.0817
Gm19	16737965	16738045	Gmdrm	hypo	CG	-0.1761
Gm19	16836538	16836830	Gmdrm	hypo	CG	-0.0329
Gm19	16851949	16852244	Gmdrm	hypo	CG	-0.0219
Gm19	16852395	16853052	Gmdrm	hypo	CG	-0.0357
Gm19	16858591	16859519	Gmdrm	hypo	CG	-0.0262
Gm19	16878273	16878676	Gmdrm	hypo	CG	-0.0382
Gm19	16883301	16883417	Gmdrm	hypo	CG	-0.09
Gm19	16930438	16930844	Gmdrm	hypo	CG	-0.0308
Gm19	16968171	16968851	Gmdrm	hypo	CG	-0.0326
Gm19	16975493	16975793	Gmdrm	hypo	CG	-0.0966
Gm19	17016936	17017017	Gmdrm	hypo	CG	-0.172
Gm19	17084774	17084904	Gmdrm	hypo	CG	-0.0844
Gm19	17535138	17535522	Gmdrm	hypo	CG	-0.069
Gm19	17579559	17580045	Gmdrm	hypo	CG	-0.0461
Gm19	17614483	17614652	Gmdrm	hypo	CG	-0.0546
Gm19	17751468	17752095	Gmdrm	hypo	CG	-0.0677
Gm19	17767948	17768197	Gmdrm	hypo	CG	-0.0694
Gm19	18072920	18073072	Gmdrm	hypo	CG	-0.1913

Gm19	18075341	18075534	Gmdrm	hypo	CG	-0.102
Gm19	18155517	18156345	Gmdrm	hypo	CG	-0.0306
Gm19	18162745	18163708	Gmdrm	hypo	CG	-0.0312
Gm19	18200594	18200663	Gmdrm	hypo	CG	-0.0517
Gm19	18310055	18310174	Gmdrm	hypo	CG	-0.086
Gm19	18328846	18328935	Gmdrm	hypo	CG	-0.0525
Gm19	18329490	18329860	Gmdrm	hypo	CG	-0.1114
Gm19	18413614	18413699	Gmdrm	hypo	CG	-0.3116
Gm19	18535136	18535588	Gmdrm	hypo	CG	-0.0647
Gm19	18553694	18553812	Gmdrm	hypo	CG	-0.1133
Gm19	18590438	18590715	Gmdrm	hypo	CG	-0.0858
Gm19	18612146	18612381	Gmdrm	hypo	CG	-0.0533
Gm19	18670590	18671583	Gmdrm	hypo	CG	-0.0502
Gm19	18672998	18673383	Gmdrm	hypo	CG	-0.04
Gm19	18678270	18678525	Gmdrm	hypo	CG	-0.1122
Gm19	18785573	18785903	Gmdrm	hypo	CG	-0.1058
Gm19	18804766	18805159	Gmdrm	hypo	CG	-0.04
Gm19	18815904	18816130	Gmdrm	hypo	CG	-0.0681
Gm19	18901054	18901305	Gmdrm	hypo	CG	-0.075
Gm19	19035145	19035198	Gmdrm	hypo	CG	-0.065
Gm19	19109234	19109284	Gmdrm	hypo	CG	-0.1333
Gm19	19121609	19121816	Gmdrm	hypo	CG	-0.0379
Gm19	19268419	19268582	Gmdrm	hypo	CG	-0.2571
Gm19	19276578	19276832	Gmdrm	hypo	CG	-0.0726
Gm19	19308778	19308981	Gmdrm	hypo	CG	-0.0977
Gm19	19524563	19525188	Gmdrm	hypo	CG	-0.0414
Gm19	19775562	19775633	Gmdrm	hypo	CG	-0.0834
Gm19	19876385	19876653	Gmdrm	hypo	CG	-0.2
Gm19	19880575	19880737	Gmdrm	hypo	CG	-0.4662
Gm19	20040333	20040404	Gmdrm	hypo	CG	-0.118
Gm19	20062947	20063273	Gmdrm	hypo	CG	-0.064
Gm19	20063587	20064077	Gmdrm	hypo	CG	-0.0383
Gm19	20213639	20214000	Gmdrm	hypo	CG	-0.0379
Gm19	20227474	20227818	Gmdrm	hypo	CG	-0.0734
Gm19	20279187	20279555	Gmdrm	hypo	CG	-0.0804
Gm19	20323044	20323540	Gmdrm	hypo	CG	-0.0885
Gm19	20332451	20332878	Gmdrm	hypo	CG	-0.0626
Gm19	20335422	20335607	Gmdrm	hypo	CG	-0.0801
Gm19	20481097	20481226	Gmdrm	hypo	CG	-0.0759
Gm19	20552160	20552201	Gmdrm	hypo	CG	-0.1033
Gm19	20707247	20707742	Gmdrm	hypo	CG	-0.028
Gm19	20764802	20765133	Gmdrm	hypo	CG	-0.0907
Gm19	20864072	20864347	Gmdrm	hypo	CG	-0.045
Gm19	20895882	20895949	Gmdrm	hypo	CG	-0.105
Gm19	20911542	20911699	Gmdrm	hypo	CG	-0.0506
Gm19	20914847	20914946	Gmdrm	hypo	CG	-0.0783

Gm19	20941196	20941339	Gmdrm	hypo	CG	-0.05
Gm19	20972775	20972959	Gmdrm	hypo	CG	-0.0725
Gm19	21076586	21076696	Gmdrm	hypo	CG	-0.4233
Gm19	21080262	21080554	Gmdrm	hypo	CG	-0.036
Gm19	21087180	21087409	Gmdrm	hypo	CG	-0.1377
Gm19	21138187	21139139	Gmdrm	hypo	CG	-0.0416
Gm19	21175374	21175433	Gmdrm	hypo	CG	-0.8216
Gm19	21277732	21277990	Gmdrm	hypo	CG	-0.3323
Gm19	21281043	21281209	Gmdrm	hypo	CG	-0.9475
Gm19	21284055	21284239	Gmdrm	hypo	CG	-0.9038
Gm19	21284432	21284562	Gmdrm	hypo	CG	-0.25
Gm19	21298802	21298912	Gmdrm	hypo	CG	-0.0867
Gm19	21304886	21305437	Gmdrm	hypo	CG	-0.0812
Gm19	21305656	21305786	Gmdrm	hypo	CG	-0.1063
Gm19	21310832	21310871	Gmdrm	hypo	CG	-0.1
Gm19	21437875	21437955	Gmdrm	hypo	CG	-0.092
Gm19	21508251	21508544	Gmdrm	hypo	CG	-0.6445
Gm19	21607647	21607735	Gmdrm	hypo	CG	-0.08
Gm19	21614644	21614698	Gmdrm	hypo	CG	-0.19
Gm19	21651710	21651983	Gmdrm	hypo	CG	-0.1291
Gm19	21663203	21663790	Gmdrm	hypo	CG	-0.0508
Gm19	21717144	21717743	Gmdrm	hypo	CG	-0.0686
Gm19	21742584	21743222	Gmdrm	hypo	CG	-0.082
Gm19	21824666	21824794	Gmdrm	hypo	CG	-0.04
Gm19	21830254	21830417	Gmdrm	hypo	CG	-0.0418
Gm19	21929102	21929312	Gmdrm	hypo	CG	-0.0675
Gm19	21944885	21945454	Gmdrm	hypo	CG	-0.0763
Gm19	22025746	22025900	Gmdrm	hypo	CG	-0.1308
Gm19	22054597	22055167	Gmdrm	hypo	CG	-0.0354
Gm19	22175334	22175837	Gmdrm	hypo	CG	-0.0563
Gm19	22248513	22248642	Gmdrm	hypo	CG	-0.052
Gm19	22268544	22268719	Gmdrm	hypo	CG	-0.1243
Gm19	22271009	22271210	Gmdrm	hypo	CG	-0.0575
Gm19	22272252	22272752	Gmdrm	hypo	CG	-0.0685
Gm19	22426357	22426446	Gmdrm	hypo	CG	-0.104
Gm19	22451979	22452339	Gmdrm	hypo	CG	-0.0658
Gm19	22506386	22506646	Gmdrm	hypo	CG	-0.0975
Gm19	22617637	22617912	Gmdrm	hypo	CG	-0.0782
Gm19	22655463	22655860	Gmdrm	hypo	CG	-0.7005
Gm19	22691089	22691346	Gmdrm	hypo	CG	-0.075
Gm19	22704355	22704528	Gmdrm	hypo	CG	-0.0963
Gm19	22725945	22726225	Gmdrm	hypo	CG	-0.0781
Gm19	22748455	22748645	Gmdrm	hypo	CG	-0.0688
Gm19	22856044	22856348	Gmdrm	hypo	CG	-0.0557
Gm19	22931066	22932026	Gmdrm	hypo	CG	-0.0249
Gm19	22971612	22971670	Gmdrm	hypo	CG	-0.9688

Gm19	22973539	22973626	Gmdrm	hypo	CG	-0.5966
Gm19	22977516	22977633	Gmdrm	hypo	CG	-0.975
Gm19	23024413	23024699	Gmdrm	hypo	CG	-0.0635
Gm19	23056278	23056420	Gmdrm	hypo	CG	-0.1016
Gm19	23072045	23072240	Gmdrm	hypo	CG	-0.0369
Gm19	23080320	23080430	Gmdrm	hypo	CG	-0.9633
Gm19	23097168	23097399	Gmdrm	hypo	CG	-0.0375
Gm19	23133428	23133648	Gmdrm	hypo	CG	-0.0692
Gm19	23146759	23147021	Gmdrm	hypo	CG	-0.6389
Gm19	23161499	23162448	Gmdrm	hypo	CG	-0.0528
Gm19	23254460	23254549	Gmdrm	hypo	CG	-0.0967
Gm19	23259578	23259651	Gmdrm	hypo	CG	-0.0522
Gm19	23398335	23398671	Gmdrm	hypo	CG	-0.3443
Gm19	23398826	23398844	Gmdrm	hypo	CG	-0.925
Gm19	23424302	23424561	Gmdrm	hypo	CG	-0.0968
Gm19	23490753	23490960	Gmdrm	hypo	CG	-0.1711
Gm19	23550887	23551885	Gmdrm	hypo	CG	-0.0295
Gm19	23645550	23646532	Gmdrm	hypo	CG	-0.0455
Gm19	23896369	23897326	Gmdrm	hypo	CG	-0.0164
Gm19	24005457	24006446	Gmdrm	hypo	CG	-0.03
Gm19	24016241	24017239	Gmdrm	hypo	CG	-0.0213
Gm19	24017242	24017613	Gmdrm	hypo	CG	-0.0441
Gm19	24163817	24164713	Gmdrm	hypo	CG	-0.0346
Gm19	24198944	24199158	Gmdrm	hypo	CG	-0.1125
Gm19	24278336	24278491	Gmdrm	hypo	CG	-0.21
Gm19	24314578	24314651	Gmdrm	hypo	CG	-0.4316
Gm19	24334039	24334083	Gmdrm	hypo	CG	-0.165
Gm19	24474079	24474157	Gmdrm	hypo	CG	-0.255
Gm19	24489517	24489872	Gmdrm	hypo	CG	-0.1
Gm19	24558838	24559043	Gmdrm	hypo	CG	-0.0654
Gm19	24595684	24595960	Gmdrm	hypo	CG	-0.0495
Gm19	24598872	24599235	Gmdrm	hypo	CG	-0.0498
Gm19	24600444	24601061	Gmdrm	hypo	CG	-0.0377
Gm19	24639308	24639565	Gmdrm	hypo	CG	-0.047
Gm19	24715776	24715964	Gmdrm	hypo	CG	-0.8467
Gm19	24772786	24773077	Gmdrm	hypo	CG	-0.1843
Gm19	24793620	24793846	Gmdrm	hypo	CG	-0.0822
Gm19	24819040	24819387	Gmdrm	hypo	CG	-0.0791
Gm19	24832128	24832297	Gmdrm	hypo	CG	-0.0594
Gm19	25045777	25045809	Gmdrm	hypo	CG	-0.188
Gm19	25060225	25060807	Gmdrm	hypo	CG	-0.0761
Gm19	25101699	25101780	Gmdrm	hypo	CG	-0.0438
Gm19	25199498	25200088	Gmdrm	hypo	CG	-0.0431
Gm19	25249705	25249855	Gmdrm	hypo	CG	-0.054
Gm19	25274187	25274242	Gmdrm	hypo	CG	-0.0506
Gm19	25342051	25342239	Gmdrm	hypo	CG	-0.062

Gm19	25362450	25363133	Gmdrm	hypo	CG	-0.0521
Gm19	25618188	25618327	Gmdrm	hypo	CG	-0.072
Gm19	25625241	25626240	Gmdrm	hypo	CG	-0.0552
Gm19	25647062	25647335	Gmdrm	hypo	CG	-0.0362
Gm19	25675414	25676003	Gmdrm	hypo	CG	-0.085
Gm19	25705613	25705773	Gmdrm	hypo	CG	-0.964
Gm19	25789695	25790692	Gmdrm	hypo	CG	-0.0443
Gm19	25821836	25822045	Gmdrm	hypo	CG	-0.105
Gm19	25860192	25860585	Gmdrm	hypo	CG	-0.0526
Gm19	25894431	25894682	Gmdrm	hypo	CG	-0.0537
Gm19	25908218	25908299	Gmdrm	hypo	CG	-0.16
Gm19	25987745	25987968	Gmdrm	hypo	CG	-0.0938
Gm19	26086884	26087049	Gmdrm	hypo	CG	-0.1617
Gm19	26100310	26100611	Gmdrm	hypo	CG	-0.0403
Gm19	26165579	26165639	Gmdrm	hypo	CG	-0.1362
Gm19	26166711	26166723	Gmdrm	hypo	CG	-0.4233
Gm19	26169826	26169975	Gmdrm	hypo	CG	-0.4183
Gm19	26202354	26203092	Gmdrm	hypo	CG	-0.029
Gm19	26259684	26259815	Gmdrm	hypo	CG	-0.0691
Gm19	26481071	26481139	Gmdrm	hypo	CG	-0.248
Gm19	26490297	26490556	Gmdrm	hypo	CG	-0.2957
Gm19	26589230	26589294	Gmdrm	hypo	CG	-0.3071
Gm19	26596728	26597329	Gmdrm	hypo	CG	-0.0464
Gm19	26612355	26612372	Gmdrm	hypo	CG	-0.6067
Gm19	26620966	26621057	Gmdrm	hypo	CG	-0.1038
Gm19	26700061	26700097	Gmdrm	hypo	CG	-0.98
Gm19	26710511	26710609	Gmdrm	hypo	CG	-0.0499
Gm19	26767720	26767848	Gmdrm	hypo	CG	-0.052
Gm19	26787556	26787712	Gmdrm	hypo	CG	-0.058
Gm19	26841429	26841548	Gmdrm	hypo	CG	-0.1467
Gm19	26854564	26854844	Gmdrm	hypo	CG	-0.0815
Gm19	26920916	26921014	Gmdrm	hypo	CG	-0.106
Gm19	27245397	27245652	Gmdrm	hypo	CG	-0.0893
Gm19	27282916	27283137	Gmdrm	hypo	CG	-0.0485
Gm19	27378211	27378264	Gmdrm	hypo	CG	-0.1733
Gm19	27395335	27395541	Gmdrm	hypo	CG	-0.743
Gm19	27457772	27457925	Gmdrm	hypo	CG	-0.369
Gm19	27516692	27516785	Gmdrm	hypo	CG	-0.04
Gm19	27517666	27517849	Gmdrm	hypo	CG	-0.1683
Gm19	27531629	27531767	Gmdrm	hypo	CG	-0.1784
Gm19	27539693	27539913	Gmdrm	hypo	CG	-0.1214
Gm19	27542016	27542142	Gmdrm	hypo	CG	-0.1411
Gm19	27550556	27550703	Gmdrm	hypo	CG	-0.0408
Gm19	27564755	27564855	Gmdrm	hypo	CG	-0.108
Gm19	27565012	27565419	Gmdrm	hypo	CG	-0.4367
Gm19	27571829	27571879	Gmdrm	hypo	CG	-0.16

Gm19	27585953	27585991	Gmdrm	hypo	CG	-0.5033
Gm19	27586459	27586643	Gmdrm	hypo	CG	-0.475
Gm19	27587291	27587390	Gmdrm	hypo	CG	-0.0667
Gm19	27611426	27611551	Gmdrm	hypo	CG	-0.4167
Gm19	27612086	27612380	Gmdrm	hypo	CG	-0.5945
Gm19	27614928	27615182	Gmdrm	hypo	CG	-0.2885
Gm19	27622151	27622630	Gmdrm	hypo	CG	-0.7077
Gm19	27640906	27640919	Gmdrm	hypo	CG	-0.24
Gm19	27679258	27679321	Gmdrm	hypo	CG	-0.11
Gm19	27686438	27686659	Gmdrm	hypo	CG	-0.0955
Gm19	27692972	27693038	Gmdrm	hypo	CG	-0.3383
Gm19	27712463	27712644	Gmdrm	hypo	CG	-0.8114
Gm19	27724469	27724635	Gmdrm	hypo	CG	-0.683
Gm19	27746073	27746175	Gmdrm	hypo	CG	-0.0717
Gm19	27777149	27777355	Gmdrm	hypo	CG	-0.1919
Gm19	27777470	27777684	Gmdrm	hypo	CG	-0.0583
Gm19	27821931	27822114	Gmdrm	hypo	CG	-0.871
Gm19	27822373	27822488	Gmdrm	hypo	CG	-0.3555
Gm19	27829355	27829464	Gmdrm	hypo	CG	-0.4433
Gm19	27876857	27876945	Gmdrm	hypo	CG	-0.0917
Gm19	27891188	27891952	Gmdrm	hypo	CG	-0.0392
Gm19	27893490	27893593	Gmdrm	hypo	CG	-0.115
Gm19	27906705	27907023	Gmdrm	hypo	CG	-0.0578
Gm19	27914959	27915190	Gmdrm	hypo	CG	-0.38
Gm19	27918372	27918501	Gmdrm	hypo	CG	-0.076
Gm19	27945484	27945833	Gmdrm	hypo	CG	-0.6982
Gm19	28011789	28011836	Gmdrm	hypo	CG	-0.8717
Gm19	28037453	28037674	Gmdrm	hypo	CG	-0.4883
Gm19	28098623	28098658	Gmdrm	hypo	CG	-0.7884
Gm19	28098852	28098962	Gmdrm	hypo	CG	-0.7516
Gm19	28102569	28102672	Gmdrm	hypo	CG	-0.7047
Gm19	28110872	28111002	Gmdrm	hypo	CG	-0.2433
Gm19	28172013	28172076	Gmdrm	hypo	CG	-0.5062
Gm19	28173534	28173681	Gmdrm	hypo	CG	-0.8712
Gm19	28173841	28174085	Gmdrm	hypo	CG	-0.2
Gm19	28178738	28178771	Gmdrm	hypo	CG	-0.615
Gm19	28178872	28179006	Gmdrm	hypo	CG	-0.555
Gm19	28193988	28194158	Gmdrm	hypo	CG	-0.0506
Gm19	28212745	28212883	Gmdrm	hypo	CG	-0.68
Gm19	28213122	28213315	Gmdrm	hypo	CG	-0.9036
Gm19	28216031	28216185	Gmdrm	hypo	CG	-0.5375
Gm19	28216468	28216651	Gmdrm	hypo	CG	-0.2433
Gm19	28223296	28223940	Gmdrm	hypo	CG	-0.0322
Gm19	28244120	28244184	Gmdrm	hypo	CG	-0.5715
Gm19	28244557	28244707	Gmdrm	hypo	CG	-0.3117
Gm19	28245838	28245873	Gmdrm	hypo	CG	-0.8617

Gm19	28246681	28246716	Gmdrm	hypo	CG	-0.3067
Gm19	28246993	28247211	Gmdrm	hypo	CG	-0.657
Gm19	28271946	28272334	Gmdrm	hypo	CG	-0.2818
Gm19	28348109	28348457	Gmdrm	hypo	CG	-0.0395
Gm19	28595156	28595229	Gmdrm	hypo	CG	-0.8875
Gm19	28634067	28634323	Gmdrm	hypo	CG	-0.0604
Gm19	28648602	28648754	Gmdrm	hypo	CG	-0.0638
Gm19	28782787	28782912	Gmdrm	hypo	CG	-0.1283
Gm19	28841615	28841700	Gmdrm	hypo	CG	-0.0701
Gm19	28842589	28842743	Gmdrm	hypo	CG	-0.0627
Gm19	28855549	28855739	Gmdrm	hypo	CG	-0.0888
Gm19	28869585	28869692	Gmdrm	hypo	CG	-0.825
Gm19	28901855	28901978	Gmdrm	hypo	CG	-0.418
Gm19	28919492	28919636	Gmdrm	hypo	CG	-0.7612
Gm19	28925475	28925531	Gmdrm	hypo	CG	-0.1766
Gm19	28929668	28929822	Gmdrm	hypo	CG	-0.18
Gm19	28935488	28935745	Gmdrm	hypo	CG	-0.0508
Gm19	29018256	29018307	Gmdrm	hypo	CG	-0.456
Gm19	29040855	29041539	Gmdrm	hypo	CG	-0.0197
Gm19	29081106	29081290	Gmdrm	hypo	CG	-0.0725
Gm19	29148041	29148423	Gmdrm	hypo	CG	-0.0544
Gm19	29242836	29242943	Gmdrm	hypo	CG	-0.2714
Gm19	29294220	29294438	Gmdrm	hypo	CG	-0.7026
Gm19	29307237	29307714	Gmdrm	hypo	CG	-0.0405
Gm19	29343060	29343263	Gmdrm	hypo	CG	-0.0416
Gm19	29379169	29380139	Gmdrm	hypo	CG	-0.0241
Gm19	29400547	29400905	Gmdrm	hypo	CG	-0.0548
Gm19	29420427	29420642	Gmdrm	hypo	CG	-0.192
Gm19	29420770	29420861	Gmdrm	hypo	CG	-0.7283
Gm19	29452679	29452705	Gmdrm	hypo	CG	-0.7487
Gm19	29459081	29459126	Gmdrm	hypo	CG	-0.356
Gm19	29492067	29492330	Gmdrm	hypo	CG	-0.3237
Gm19	29492431	29492501	Gmdrm	hypo	CG	-0.858
Gm19	29496679	29496770	Gmdrm	hypo	CG	-0.0672
Gm19	29515186	29515281	Gmdrm	hypo	CG	-0.8787
Gm19	29516952	29517040	Gmdrm	hypo	CG	-0.5516
Gm19	29574971	29575068	Gmdrm	hypo	CG	-0.0566
Gm19	29587563	29587636	Gmdrm	hypo	CG	-0.0583
Gm19	29596633	29596808	Gmdrm	hypo	CG	-0.564
Gm19	29622495	29622631	Gmdrm	hypo	CG	-0.867
Gm19	29623614	29623899	Gmdrm	hypo	CG	-0.8525
Gm19	29625856	29625964	Gmdrm	hypo	CG	-0.5899
Gm19	29628518	29628642	Gmdrm	hypo	CG	-0.044
Gm19	29682673	29682848	Gmdrm	hypo	CG	-0.0665
Gm19	29697943	29698604	Gmdrm	hypo	CG	-0.0319
Gm19	29755171	29755381	Gmdrm	hypo	CG	-0.79

Gm19	29756340	29756458	Gmdrm	hypo	CG	-0.199
Gm19	29837251	29837323	Gmdrm	hypo	CG	-0.35
Gm19	29848877	29849000	Gmdrm	hypo	CG	-0.0612
Gm19	29855783	29856129	Gmdrm	hypo	CG	-0.851
Gm19	29858138	29858283	Gmdrm	hypo	CG	-0.1762
Gm19	30101072	30101154	Gmdrm	hypo	CG	-0.085
Gm19	30130474	30130583	Gmdrm	hypo	CG	-0.1
Gm19	30162601	30162686	Gmdrm	hypo	CG	-0.204
Gm19	30191173	30191299	Gmdrm	hypo	CG	-0.236
Gm19	30243691	30243735	Gmdrm	hypo	CG	-0.818
Gm19	30294090	30294279	Gmdrm	hypo	CG	-0.5292
Gm19	30294613	30294956	Gmdrm	hypo	CG	-0.4331
Gm19	30316780	30316873	Gmdrm	hypo	CG	-0.3866
Gm19	30328603	30329040	Gmdrm	hypo	CG	-0.112
Gm19	30333219	30333291	Gmdrm	hypo	CG	-0.5017
Gm19	30344671	30344687	Gmdrm	hypo	CG	-0.08
Gm19	30348489	30348540	Gmdrm	hypo	CG	-0.0275
Gm19	30386976	30387020	Gmdrm	hypo	CG	-0.2267
Gm19	30439852	30440130	Gmdrm	hypo	CG	-0.1427
Gm19	30456565	30456789	Gmdrm	hypo	CG	-0.0975
Gm19	30476347	30476443	Gmdrm	hypo	CG	-0.3186
Gm19	30557125	30557165	Gmdrm	hypo	CG	-0.092
Gm19	30562187	30562393	Gmdrm	hypo	CG	-0.8771
Gm19	30595193	30595516	Gmdrm	hypo	CG	-0.0437
Gm19	30598453	30598481	Gmdrm	hypo	CG	-0.4734
Gm19	30599142	30599246	Gmdrm	hypo	CG	-0.381
Gm19	30599377	30599478	Gmdrm	hypo	CG	-0.7025
Gm19	30600883	30601013	Gmdrm	hypo	CG	-0.9484
Gm19	30601694	30601760	Gmdrm	hypo	CG	-0.8467
Gm19	30617046	30617197	Gmdrm	hypo	CG	-0.732
Gm19	30623058	30623227	Gmdrm	hypo	CG	-0.6117
Gm19	30623393	30623569	Gmdrm	hypo	CG	-0.1164
Gm19	30630886	30631091	Gmdrm	hypo	CG	-0.063
Gm19	30640465	30640601	Gmdrm	hypo	CG	-0.421
Gm19	30643038	30643190	Gmdrm	hypo	CG	-0.6477
Gm19	30643435	30643510	Gmdrm	hypo	CG	-0.64
Gm19	30643672	30643972	Gmdrm	hypo	CG	-0.3372
Gm19	30650594	30650766	Gmdrm	hypo	CG	-0.385
Gm19	30651191	30651404	Gmdrm	hypo	CG	-0.3314
Gm19	30667387	30668057	Gmdrm	hypo	CG	-0.0643
Gm19	30697091	30697352	Gmdrm	hypo	CG	-0.0426
Gm19	30718444	30718677	Gmdrm	hypo	CG	-0.0743
Gm19	30720414	30720595	Gmdrm	hypo	CG	-0.39
Gm19	30731856	30731949	Gmdrm	hypo	CG	-0.096
Gm19	30746599	30746721	Gmdrm	hypo	CG	-0.955
Gm19	30746897	30746934	Gmdrm	hypo	CG	-0.8534

Gm19	30747378	30747554	Gmdrm	hypo	CG	-0.1992
Gm19	30747986	30748104	Gmdrm	hypo	CG	-0.72
Gm19	30766584	30766637	Gmdrm	hypo	CG	-0.0483
Gm19	30767028	30767257	Gmdrm	hypo	CG	-0.291
Gm19	30825913	30826122	Gmdrm	hypo	CG	-0.9342
Gm19	30828466	30828609	Gmdrm	hypo	CG	-0.9267
Gm19	30842659	30842874	Gmdrm	hypo	CG	-0.0783
Gm19	30863050	30863852	Gmdrm	hypo	CG	-0.4274
Gm19	30901971	30902167	Gmdrm	hypo	CG	-0.9629
Gm19	30946189	30946200	Gmdrm	hypo	CG	-0.0767
Gm19	31014290	31014405	Gmdrm	hypo	CG	-0.7317
Gm19	31053853	31054711	Gmdrm	hypo	CG	-0.0268
Gm19	31067779	31067961	Gmdrm	hypo	CG	-0.4637
Gm19	31071264	31071333	Gmdrm	hypo	CG	-0.825
Gm19	31106630	31106975	Gmdrm	hypo	CG	-0.33
Gm19	31172748	31172886	Gmdrm	hypo	CG	-0.5314
Gm19	31194658	31194693	Gmdrm	hypo	CG	-0.6517
Gm19	31276144	31276357	Gmdrm	hypo	CG	-0.06
Gm19	31301302	31301336	Gmdrm	hypo	CG	-0.2
Gm19	31315468	31315569	Gmdrm	hypo	CG	-0.2775
Gm19	31316655	31317108	Gmdrm	hypo	CG	-0.0534
Gm19	31325727	31325953	Gmdrm	hypo	CG	-0.2208
Gm19	31358741	31358754	Gmdrm	hypo	CG	-0.96
Gm19	31359668	31359785	Gmdrm	hypo	CG	-0.3084
Gm19	31360157	31360254	Gmdrm	hypo	CG	-0.48
Gm19	31401841	31402168	Gmdrm	hypo	CG	-0.1009
Gm19	31591087	31591133	Gmdrm	hypo	CG	-0.275
Gm19	31596620	31596977	Gmdrm	hypo	CG	-0.3857
Gm19	31607114	31607194	Gmdrm	hypo	CG	-0.032
Gm19	31607671	31607741	Gmdrm	hypo	CG	-0.5033
Gm19	31665401	31665467	Gmdrm	hypo	CG	-0.614
Gm19	31725128	31725454	Gmdrm	hypo	CG	-0.1631
Gm19	31734860	31735090	Gmdrm	hypo	CG	-0.2619
Gm19	31755078	31755176	Gmdrm	hypo	CG	-0.629
Gm19	31755764	31755897	Gmdrm	hypo	CG	-0.4034
Gm19	31758932	31758995	Gmdrm	hypo	CG	-0.0971
Gm19	31768186	31768335	Gmdrm	hypo	CG	-0.9075
Gm19	31822084	31822304	Gmdrm	hypo	CG	-0.1858
Gm19	31839140	31839490	Gmdrm	hypo	CG	-0.04
Gm19	31842368	31842506	Gmdrm	hypo	CG	-0.4787
Gm19	31844343	31844463	Gmdrm	hypo	CG	-0.3729
Gm19	31892907	31893022	Gmdrm	hypo	CG	-0.379
Gm19	31894591	31894771	Gmdrm	hypo	CG	-0.9317
Gm19	31914512	31914608	Gmdrm	hypo	CG	-0.0393
Gm19	31946226	31946486	Gmdrm	hypo	CG	-0.08
Gm19	32041702	32041855	Gmdrm	hypo	CG	-0.0496

Gm19	32087983	32088576	Gmdrm	hypo	CG	-0.0477
Gm19	32091580	32091802	Gmdrm	hypo	CG	-0.1291
Gm19	32100172	32100431	Gmdrm	hypo	CG	-0.2908
Gm19	32136594	32137312	Gmdrm	hypo	CG	-0.0412
Gm19	32137665	32137765	Gmdrm	hypo	CG	-0.2771
Gm19	32141689	32141797	Gmdrm	hypo	CG	-0.895
Gm19	32150749	32150907	Gmdrm	hypo	CG	-0.7684
Gm19	32156837	32157066	Gmdrm	hypo	CG	-0.0433
Gm19	32218195	32218257	Gmdrm	hypo	CG	-0.055
Gm19	32222398	32222489	Gmdrm	hypo	CG	-0.3016
Gm19	32222775	32222985	Gmdrm	hypo	CG	-0.6043
Gm19	32223654	32223744	Gmdrm	hypo	CG	-0.776
Gm19	32253016	32253265	Gmdrm	hypo	CG	-0.0785
Gm19	32254220	32254264	Gmdrm	hypo	CG	-0.0834
Gm19	32323861	32324054	Gmdrm	hypo	CG	-0.0664
Gm19	32368280	32368343	Gmdrm	hypo	CG	-0.5817
Gm19	32377263	32377742	Gmdrm	hypo	CG	-0.0643
Gm19	32392799	32392911	Gmdrm	hypo	CG	-0.08
Gm19	32455728	32455807	Gmdrm	hypo	CG	-0.084
Gm19	32459073	32459397	Gmdrm	hypo	CG	-0.1387
Gm19	32521012	32521173	Gmdrm	hypo	CG	-0.855
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Gm19	32670704	32670848	Gmdrm	hypo	CG	-0.0617
Gm19	32739780	32739800	Gmdrm	hypo	CG	-0.0567
Gm19	32739911	32740059	Gmdrm	hypo	CG	-0.0713
Gm19	32740943	32741061	Gmdrm	hypo	CG	-0.4663
Gm19	32741204	32741294	Gmdrm	hypo	CG	-0.295
Gm19	32781485	32781778	Gmdrm	hypo	CG	-0.033
Gm19	32788492	32788679	Gmdrm	hypo	CG	-0.771
Gm19	32793116	32793177	Gmdrm	hypo	CG	-0.4584
Gm19	32842049	32842432	Gmdrm	hypo	CG	-0.05
Gm19	32846396	32846862	Gmdrm	hypo	CG	-0.3429
Gm19	32902656	32902922	Gmdrm	hypo	CG	-0.051
Gm19	32907472	32907600	Gmdrm	hypo	CG	-0.798
Gm19	32907856	32907901	Gmdrm	hypo	CG	-0.7525
Gm19	32922174	32922288	Gmdrm	hypo	CG	-0.4537
Gm19	33069486	33070484	Gmdrm	hypo	CG	-0.0304
Gm19	33096089	33096134	Gmdrm	hypo	CG	-0.5067
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Gm19	33159432	33159687	Gmdrm	hypo	CG	-0.0582
Gm19	33166766	33167190	Gmdrm	hypo	CG	-0.2884
Gm19	33232161	33232238	Gmdrm	hypo	CG	-0.98
Gm19	33248977	33249117	Gmdrm	hypo	CG	-0.032
Gm19	33266040	33266199	Gmdrm	hypo	CG	-0.0288
Gm19	33358682	33358908	Gmdrm	hypo	CG	-0.0497

Gm19	33379366	33379417	Gmdrm	hypo	CG	-0.078
Gm19	33395973	33396084	Gmdrm	hypo	CG	-0.5
Gm19	33397010	33397147	Gmdrm	hypo	CG	-0.9
Gm19	33471164	33471301	Gmdrm	hypo	CG	-0.2562
Gm19	33478983	33479097	Gmdrm	hypo	CG	-0.855
Gm19	33484093	33484853	Gmdrm	hypo	CG	-0.0389
Gm19	33499675	33499868	Gmdrm	hypo	CG	-0.73
Gm19	33500101	33500139	Gmdrm	hypo	CG	-0.255
Gm19	33502251	33502283	Gmdrm	hypo	CG	-0.9625
Gm19	33502391	33502504	Gmdrm	hypo	CG	-0.9675
Gm19	33514163	33514224	Gmdrm	hypo	CG	-0.3187
Gm19	33519746	33519842	Gmdrm	hypo	CG	-0.1117
Gm19	33584105	33584358	Gmdrm	hypo	CG	-0.52
Gm19	33648558	33648686	Gmdrm	hypo	CG	-0.0561
Gm19	33662571	33662600	Gmdrm	hypo	CG	-0.6733
Gm19	33677732	33678087	Gmdrm	hypo	CG	-0.0444
Gm19	33684688	33685222	Gmdrm	hypo	CG	-0.4885
Gm19	33700532	33700634	Gmdrm	hypo	CG	-0.4334
Gm19	33732981	33733052	Gmdrm	hypo	CG	-0.2425
Gm19	33812434	33812644	Gmdrm	hypo	CG	-0.8242
Gm19	33818625	33818737	Gmdrm	hypo	CG	-0.12
Gm19	33845735	33845952	Gmdrm	hypo	CG	-0.0633
Gm19	33848524	33848940	Gmdrm	hypo	CG	-0.1396
Gm19	33921769	33921935	Gmdrm	hypo	CG	-0.9367
Gm19	34009807	34009937	Gmdrm	hypo	CG	-0.24
Gm19	34034105	34034454	Gmdrm	hypo	CG	-0.1295
Gm19	34074081	34074211	Gmdrm	hypo	CG	-0.9333
Gm19	34091243	34091461	Gmdrm	hypo	CG	-0.23
Gm19	34095074	34095188	Gmdrm	hypo	CG	-0.8983
Gm19	34095425	34095726	Gmdrm	hypo	CG	-0.6309
Gm19	34100226	34100372	Gmdrm	hypo	CG	-0.8008
Gm19	34116462	34116980	Gmdrm	hypo	CG	-0.0713
Gm19	34124815	34125029	Gmdrm	hypo	CG	-0.3289
Gm19	34149396	34149514	Gmdrm	hypo	CG	-0.115
Gm19	34164320	34164535	Gmdrm	hypo	CG	-0.0875
Gm19	34176839	34176907	Gmdrm	hypo	CG	-0.6099
Gm19	34196219	34196300	Gmdrm	hypo	CG	-0.04
Gm19	34197997	34198246	Gmdrm	hypo	CG	-0.6867
Gm19	34237826	34238002	Gmdrm	hypo	CG	-0.0467
Gm19	34257239	34257676	Gmdrm	hypo	CG	-0.1794
Gm19	34260855	34261041	Gmdrm	hypo	CG	-0.3
Gm19	34286424	34286672	Gmdrm	hypo	CG	-0.5409
Gm19	34292722	34292798	Gmdrm	hypo	CG	-0.3083
Gm19	34295272	34295368	Gmdrm	hypo	CG	-0.6383
Gm19	34367464	34367639	Gmdrm	hypo	CG	-0.064
Gm19	34412485	34412603	Gmdrm	hypo	CG	-0.746

Gm19	34416620	34416985	Gmdrm	hypo	CG	-0.752
Gm19	34423675	34424085	Gmdrm	hypo	CG	-0.6148
Gm19	34442416	34442916	Gmdrm	hypo	CG	-0.2921
Gm19	34443074	34443299	Gmdrm	hypo	CG	-0.7063
Gm19	34445425	34445538	Gmdrm	hypo	CG	-0.6343
Gm19	34446096	34446445	Gmdrm	hypo	CG	-0.6925
Gm19	34485722	34485822	Gmdrm	hypo	CG	-0.705
Gm19	34486646	34487225	Gmdrm	hypo	CG	-0.4593
Gm19	34487626	34487746	Gmdrm	hypo	CG	-0.4016
Gm19	34503471	34503935	Gmdrm	hypo	CG	-0.37
Gm19	34512112	34512250	Gmdrm	hypo	CG	-0.1024
Gm19	34527170	34527599	Gmdrm	hypo	CG	-0.4659
Gm19	34530534	34530628	Gmdrm	hypo	CG	-0.16
Gm19	34530746	34531002	Gmdrm	hypo	CG	-0.1257
Gm19	34546634	34546820	Gmdrm	hypo	CG	-0.3158
Gm19	34606404	34606729	Gmdrm	hypo	CG	-0.0588
Gm19	34644076	34644418	Gmdrm	hypo	CG	-0.0243
Gm19	34671189	34671223	Gmdrm	hypo	CG	-0.635
Gm19	34684458	34684536	Gmdrm	hypo	CG	-0.8917
Gm19	34709358	34709452	Gmdrm	hypo	CG	-0.1149
Gm19	34709984	34710114	Gmdrm	hypo	CG	-0.0484
Gm19	34714204	34714309	Gmdrm	hypo	CG	-0.072
Gm19	34715162	34715348	Gmdrm	hypo	CG	-0.598
Gm19	34716052	34716084	Gmdrm	hypo	CG	-0.8083
Gm19	34718218	34718302	Gmdrm	hypo	CG	-0.7634
Gm19	34742092	34742172	Gmdrm	hypo	CG	-0.1567
Gm19	34774533	34774627	Gmdrm	hypo	CG	-0.5875
Gm19	34792893	34793184	Gmdrm	hypo	CG	-0.4086
Gm19	34793488	34793570	Gmdrm	hypo	CG	-0.2
Gm19	34872021	34872089	Gmdrm	hypo	CG	-0.6043
Gm19	34875537	34875812	Gmdrm	hypo	CG	-0.0455
Gm19	34875944	34876697	Gmdrm	hypo	CG	-0.0349
Gm19	34907504	34907978	Gmdrm	hypo	CG	-0.21
Gm19	34910040	34910132	Gmdrm	hypo	CG	-0.7883
Gm19	34910436	34910537	Gmdrm	hypo	CG	-0.1811
Gm19	34921895	34922200	Gmdrm	hypo	CG	-0.455
Gm19	34922955	34923150	Gmdrm	hypo	CG	-0.9292
Gm19	34924723	34924835	Gmdrm	hypo	CG	-0.2962
Gm19	34939699	34939861	Gmdrm	hypo	CG	-0.2524
Gm19	34962674	34962759	Gmdrm	hypo	CG	-0.749
Gm19	34977240	34977348	Gmdrm	hypo	CG	-0.9533
Gm19	34977724	34977804	Gmdrm	hypo	CG	-0.554
Gm19	34996574	34996881	Gmdrm	hypo	CG	-0.8335
Gm19	35001119	35001189	Gmdrm	hypo	CG	-0.5928
Gm19	35007614	35007719	Gmdrm	hypo	CG	-0.932
Gm19	35015445	35015584	Gmdrm	hypo	CG	-0.912

Gm19	35027568	35027785	Gmdrm	hypo	CG	-0.4768
Gm19	35028592	35028863	Gmdrm	hypo	CG	-0.9172
Gm19	35030512	35030744	Gmdrm	hypo	CG	-0.8494
Gm19	35036658	35036835	Gmdrm	hypo	CG	-0.05
Gm19	35054666	35055043	Gmdrm	hypo	CG	-0.048
Gm19	35055608	35055823	Gmdrm	hypo	CG	-0.0879
Gm19	35074112	35074222	Gmdrm	hypo	CG	-0.044
Gm19	35074907	35075361	Gmdrm	hypo	CG	-0.4996
Gm19	35089335	35089370	Gmdrm	hypo	CG	-0.134
Gm19	35091152	35091188	Gmdrm	hypo	CG	-0.98
Gm19	35096709	35096865	Gmdrm	hypo	CG	-0.5867
Gm19	35097297	35097453	Gmdrm	hypo	CG	-0.0867
Gm19	35101849	35101941	Gmdrm	hypo	CG	-0.9012
Gm19	35107064	35107227	Gmdrm	hypo	CG	-0.0775
Gm19	35130186	35130372	Gmdrm	hypo	CG	-0.4667
Gm19	35131444	35131521	Gmdrm	hypo	CG	-0.1717
Gm19	35132314	35132472	Gmdrm	hypo	CG	-0.4216
Gm19	35136410	35136561	Gmdrm	hypo	CG	-0.4325
Gm19	35164022	35164094	Gmdrm	hypo	CG	-0.055
Gm19	35165818	35166035	Gmdrm	hypo	CG	-0.0908
Gm19	35169219	35169395	Gmdrm	hypo	CG	-0.314
Gm19	35177372	35177567	Gmdrm	hypo	CG	-0.4963
Gm19	35210275	35210375	Gmdrm	hypo	CG	-0.89
Gm19	35214865	35214999	Gmdrm	hypo	CG	-0.8266
Gm19	35216467	35216545	Gmdrm	hypo	CG	-0.0417
Gm19	35235791	35235944	Gmdrm	hypo	CG	-0.515
Gm19	35244796	35245010	Gmdrm	hypo	CG	-0.8908
Gm19	35245205	35245267	Gmdrm	hypo	CG	-0.701
Gm19	35246846	35247346	Gmdrm	hypo	CG	-0.3052
Gm19	35262870	35262951	Gmdrm	hypo	CG	-0.4433
Gm19	35309583	35309705	Gmdrm	hypo	CG	-0.2515
Gm19	35349401	35349482	Gmdrm	hypo	CG	-0.068
Gm19	35352211	35352428	Gmdrm	hypo	CG	-0.1289
Gm19	35395296	35395390	Gmdrm	hypo	CG	-0.9637
Gm19	35402744	35402852	Gmdrm	hypo	CG	-0.0617
Gm19	35404323	35404517	Gmdrm	hypo	CG	-0.154
Gm19	35436371	35436590	Gmdrm	hypo	CG	-0.5531
Gm19	35449072	35449326	Gmdrm	hypo	CG	-0.0585
Gm19	35467910	35467971	Gmdrm	hypo	CG	-0.56
Gm19	35468489	35468708	Gmdrm	hypo	CG	-0.7794
Gm19	35470471	35470871	Gmdrm	hypo	CG	-0.8419
Gm19	35479402	35479528	Gmdrm	hypo	CG	-0.3458
Gm19	35479966	35479995	Gmdrm	hypo	CG	-0.8812
Gm19	35497628	35498226	Gmdrm	hypo	CG	-0.1853
Gm19	35506587	35506777	Gmdrm	hypo	CG	-0.6457
Gm19	35507101	35507292	Gmdrm	hypo	CG	-0.478

Gm19	35510503	35510656	Gmdrm	hypo	CG	-0.5928
Gm19	35546907	35546973	Gmdrm	hypo	CG	-0.28
Gm19	35568892	35568922	Gmdrm	hypo	CG	-0.2683
Gm19	35584343	35584471	Gmdrm	hypo	CG	-0.1909
Gm19	35660574	35660647	Gmdrm	hypo	CG	-0.965
Gm19	35705423	35705569	Gmdrm	hypo	CG	-0.8988
Gm19	35705743	35706173	Gmdrm	hypo	CG	-0.3926
Gm19	35706401	35706687	Gmdrm	hypo	CG	-0.1095
Gm19	35731681	35731870	Gmdrm	hypo	CG	-0.0717
Gm19	35732409	35732543	Gmdrm	hypo	CG	-0.5544
Gm19	35732721	35732811	Gmdrm	hypo	CG	-0.5266
Gm19	35734390	35734452	Gmdrm	hypo	CG	-0.8667
Gm19	35734562	35734779	Gmdrm	hypo	CG	-0.92
Gm19	35741359	35742094	Gmdrm	hypo	CG	-0.09
Gm19	35773166	35773232	Gmdrm	hypo	CG	-0.39
Gm19	35786522	35786586	Gmdrm	hypo	CG	-0.9283
Gm19	35786720	35786777	Gmdrm	hypo	CG	-0.8317
Gm19	35829997	35830217	Gmdrm	hypo	CG	-0.0311
Gm19	35834895	35834995	Gmdrm	hypo	CG	-0.0475
Gm19	35852312	35852855	Gmdrm	hypo	CG	-0.266
Gm19	35941250	35941728	Gmdrm	hypo	CG	-0.2293
Gm19	35946861	35946929	Gmdrm	hypo	CG	-0.825
Gm19	36006279	36006442	Gmdrm	hypo	CG	-0.0369
Gm19	36015216	36015419	Gmdrm	hypo	CG	-0.202
Gm19	36051608	36051904	Gmdrm	hypo	CG	-0.4535
Gm19	36055710	36055773	Gmdrm	hypo	CG	-0.5971
Gm19	36109977	36110131	Gmdrm	hypo	CG	-0.9575
Gm19	36125767	36126036	Gmdrm	hypo	CG	-0.9242
Gm19	36144523	36144882	Gmdrm	hypo	CG	-0.5643
Gm19	36175484	36175869	Gmdrm	hypo	CG	-0.7594
Gm19	36191012	36191157	Gmdrm	hypo	CG	-0.0417
Gm19	36193051	36193130	Gmdrm	hypo	CG	-0.253
Gm19	36206962	36207364	Gmdrm	hypo	CG	-0.4917
Gm19	36237559	36237685	Gmdrm	hypo	CG	-0.9212
Gm19	36240182	36240685	Gmdrm	hypo	CG	-0.6034
Gm19	36246755	36247084	Gmdrm	hypo	CG	-0.6486
Gm19	36265374	36265455	Gmdrm	hypo	CG	-0.951
Gm19	36266335	36266438	Gmdrm	hypo	CG	-0.2467
Gm19	36267680	36268026	Gmdrm	hypo	CG	-0.7642
Gm19	36268823	36269006	Gmdrm	hypo	CG	-0.7612
Gm19	36271760	36271853	Gmdrm	hypo	CG	-0.7325
Gm19	36271960	36272019	Gmdrm	hypo	CG	-0.0966
Gm19	36273894	36274250	Gmdrm	hypo	CG	-0.0828
Gm19	36289775	36290016	Gmdrm	hypo	CG	-0.0529
Gm19	36302118	36302273	Gmdrm	hypo	CG	-0.8112
Gm19	36302390	36302501	Gmdrm	hypo	CG	-0.83

Gm19	36302923	36303081	Gmdrm	hypo	CG	-0.5942
Gm19	36307691	36307967	Gmdrm	hypo	CG	-0.075
Gm19	36314105	36314235	Gmdrm	hypo	CG	-0.223
Gm19	36318359	36318427	Gmdrm	hypo	CG	-0.065
Gm19	36324135	36324312	Gmdrm	hypo	CG	-0.9584
Gm19	36328541	36328643	Gmdrm	hypo	CG	-0.9045
Gm19	36329322	36329515	Gmdrm	hypo	CG	-0.494
Gm19	36342956	36343455	Gmdrm	hypo	CG	-0.046
Gm19	36376233	36376483	Gmdrm	hypo	CG	-0.0682
Gm19	36423713	36423940	Gmdrm	hypo	CG	-0.3275
Gm19	36441244	36441448	Gmdrm	hypo	CG	-0.1163
Gm19	36463189	36463292	Gmdrm	hypo	CG	-0.6113
Gm19	36472636	36472779	Gmdrm	hypo	CG	-0.0383
Gm19	36480539	36480713	Gmdrm	hypo	CG	-0.0414
Gm19	36482117	36482434	Gmdrm	hypo	CG	-0.0592
Gm19	36483998	36484301	Gmdrm	hypo	CG	-0.0244
Gm19	36527271	36527494	Gmdrm	hypo	CG	-0.2792
Gm19	36534945	36535335	Gmdrm	hypo	CG	-0.0275
Gm19	36541666	36542120	Gmdrm	hypo	CG	-0.1707
Gm19	36542886	36543048	Gmdrm	hypo	CG	-0.935
Gm19	36549086	36549176	Gmdrm	hypo	CG	-0.395
Gm19	36549445	36549497	Gmdrm	hypo	CG	-0.57
Gm19	36549791	36550130	Gmdrm	hypo	CG	-0.5128
Gm19	36579718	36579834	Gmdrm	hypo	CG	-0.0664
Gm19	36617647	36617676	Gmdrm	hypo	CG	-0.0617
Gm19	36642243	36642343	Gmdrm	hypo	CG	-0.6317
Gm19	36642648	36642693	Gmdrm	hypo	CG	-0.1
Gm19	36657541	36657834	Gmdrm	hypo	CG	-0.5007
Gm19	36657946	36657996	Gmdrm	hypo	CG	-0.28
Gm19	36688560	36688930	Gmdrm	hypo	CG	-0.0248
Gm19	36705326	36705826	Gmdrm	hypo	CG	-0.257
Gm19	36720032	36720091	Gmdrm	hypo	CG	-0.2283
Gm19	36720194	36720222	Gmdrm	hypo	CG	-0.402
Gm19	36720350	36720400	Gmdrm	hypo	CG	-0.2575
Gm19	36728232	36728296	Gmdrm	hypo	CG	-0.0809
Gm19	36811345	36811863	Gmdrm	hypo	CG	-0.8187
Gm19	36815445	36815613	Gmdrm	hypo	CG	-0.8331
Gm19	36816334	36816478	Gmdrm	hypo	CG	-0.8025
Gm19	36817782	36817885	Gmdrm	hypo	CG	-0.847
Gm19	36818006	36818259	Gmdrm	hypo	CG	-0.3443
Gm19	36831716	36831850	Gmdrm	hypo	CG	-0.0975
Gm19	36833527	36834006	Gmdrm	hypo	CG	-0.2604
Gm19	36846939	36847021	Gmdrm	hypo	CG	-0.7867
Gm19	36848599	36848823	Gmdrm	hypo	CG	-0.3059
Gm19	36849047	36849175	Gmdrm	hypo	CG	-0.5421
Gm19	36873889	36873901	Gmdrm	hypo	CG	-0.1833

Gm19	36874039	36874051	Gmdrm	hypo	CG	-0.2717
Gm19	36874221	36874233	Gmdrm	hypo	CG	-0.365
Gm19	36874370	36874382	Gmdrm	hypo	CG	-0.38
Gm19	36874504	36874526	Gmdrm	hypo	CG	-0.3
Gm19	36879108	36879223	Gmdrm	hypo	CG	-0.9337
Gm19	36879496	36879582	Gmdrm	hypo	CG	-0.6434
Gm19	36880498	36880727	Gmdrm	hypo	CG	-0.9133
Gm19	36901594	36901982	Gmdrm	hypo	CG	-0.03
Gm19	36930082	36930128	Gmdrm	hypo	CG	-0.5633
Gm19	36942148	36942277	Gmdrm	hypo	CG	-0.9413
Gm19	36958483	36958855	Gmdrm	hypo	CG	-0.1436
Gm19	36966261	36966304	Gmdrm	hypo	CG	-0.2887
Gm19	36976523	36976990	Gmdrm	hypo	CG	-0.2507
Gm19	36990166	36990332	Gmdrm	hypo	CG	-0.5412
Gm19	36990485	36990560	Gmdrm	hypo	CG	-0.6317
Gm19	36991220	36991468	Gmdrm	hypo	CG	-0.57
Gm19	37015776	37015919	Gmdrm	hypo	CG	-0.8433
Gm19	37016086	37016265	Gmdrm	hypo	CG	-0.8907
Gm19	37016441	37016691	Gmdrm	hypo	CG	-0.851
Gm19	37019025	37019150	Gmdrm	hypo	CG	-0.9338
Gm19	37020979	37021012	Gmdrm	hypo	CG	-0.97
Gm19	37029458	37029729	Gmdrm	hypo	CG	-0.5162
Gm19	37084417	37084722	Gmdrm	hypo	CG	-0.1281
Gm19	37084986	37085058	Gmdrm	hypo	CG	-0.9483
Gm19	37106815	37106885	Gmdrm	hypo	CG	-0.8983
Gm19	37109398	37109588	Gmdrm	hypo	CG	-0.0285
Gm19	37153187	37153397	Gmdrm	hypo	CG	-0.2928
Gm19	37158306	37158648	Gmdrm	hypo	CG	-0.6229
Gm19	37172411	37172838	Gmdrm	hypo	CG	-0.1785
Gm19	37178126	37178263	Gmdrm	hypo	CG	-0.9483
Gm19	37184700	37184804	Gmdrm	hypo	CG	-0.4983
Gm19	37186087	37186225	Gmdrm	hypo	CG	-0.8578
Gm19	37202479	37202636	Gmdrm	hypo	CG	-0.6925
Gm19	37202795	37203145	Gmdrm	hypo	CG	-0.5841
Gm19	37204407	37204514	Gmdrm	hypo	CG	-0.635
Gm19	37204664	37204783	Gmdrm	hypo	CG	-0.93
Gm19	37244400	37244437	Gmdrm	hypo	CG	-0.04
Gm19	37248883	37248950	Gmdrm	hypo	CG	-0.5587
Gm19	37258982	37258991	Gmdrm	hypo	CG	-0.5833
Gm19	37274729	37274872	Gmdrm	hypo	CG	-0.6175
Gm19	37326825	37326925	Gmdrm	hypo	CG	-0.058
Gm19	37328529	37328647	Gmdrm	hypo	CG	-0.8473
Gm19	37335903	37336583	Gmdrm	hypo	CG	-0.0557
Gm19	37336714	37336895	Gmdrm	hypo	CG	-0.0512
Gm19	37350176	37350302	Gmdrm	hypo	CG	-0.6313
Gm19	37354384	37354403	Gmdrm	hypo	CG	-0.9583

Gm19	37354504	37354757	Gmdrm	hypo	CG	-0.9406
Gm19	37369372	37369491	Gmdrm	hypo	CG	-0.291
Gm19	37396037	37396207	Gmdrm	hypo	CG	-0.821
Gm19	37417522	37417674	Gmdrm	hypo	CG	-0.214
Gm19	37418163	37418309	Gmdrm	hypo	CG	-0.1033
Gm19	37427549	37427866	Gmdrm	hypo	CG	-0.0775
Gm19	37449452	37449670	Gmdrm	hypo	CG	-0.7799
Gm19	37466655	37466778	Gmdrm	hypo	CG	-0.7812
Gm19	37467158	37467413	Gmdrm	hypo	CG	-0.8583
Gm19	37477134	37477288	Gmdrm	hypo	CG	-0.5225
Gm19	37477526	37477758	Gmdrm	hypo	CG	-0.1084
Gm19	37487328	37487563	Gmdrm	hypo	CG	-0.5984
Gm19	37490243	37490406	Gmdrm	hypo	CG	-0.044
Gm19	37490547	37490646	Gmdrm	hypo	CG	-0.9475
Gm19	37510661	37510861	Gmdrm	hypo	CG	-0.61
Gm19	37514052	37514316	Gmdrm	hypo	CG	-0.7419
Gm19	37550490	37550576	Gmdrm	hypo	CG	-0.2567
Gm19	37558188	37558329	Gmdrm	hypo	CG	-0.2241
Gm19	37570421	37570654	Gmdrm	hypo	CG	-0.7319
Gm19	37572233	37572517	Gmdrm	hypo	CG	-0.235
Gm19	37572686	37572804	Gmdrm	hypo	CG	-0.1555
Gm19	37573347	37573457	Gmdrm	hypo	CG	-0.7438
Gm19	37574147	37574279	Gmdrm	hypo	CG	-0.841
Gm19	37602928	37602989	Gmdrm	hypo	CG	-0.43
Gm19	37625172	37625240	Gmdrm	hypo	CG	-0.725
Gm19	37636447	37636532	Gmdrm	hypo	CG	-0.605
Gm19	37636791	37637243	Gmdrm	hypo	CG	-0.0634
Gm19	37650595	37650750	Gmdrm	hypo	CG	-0.4084
Gm19	37666271	37666359	Gmdrm	hypo	CG	-0.05
Gm19	37744860	37745166	Gmdrm	hypo	CG	-0.0355
Gm19	37776394	37776421	Gmdrm	hypo	CG	-0.9717
Gm19	37812834	37813093	Gmdrm	hypo	CG	-0.7877
Gm19	37820182	37820417	Gmdrm	hypo	CG	-0.2425
Gm19	37842038	37842117	Gmdrm	hypo	CG	-0.8725
Gm19	37852353	37852547	Gmdrm	hypo	CG	-0.9575
Gm19	37863348	37863508	Gmdrm	hypo	CG	-0.775
Gm19	37863746	37863872	Gmdrm	hypo	CG	-0.8513
Gm19	37865637	37865933	Gmdrm	hypo	CG	-0.7163
Gm19	37888088	37888144	Gmdrm	hypo	CG	-0.735
Gm19	37895162	37895380	Gmdrm	hypo	CG	-0.2
Gm19	37895708	37895853	Gmdrm	hypo	CG	-0.8076
Gm19	37913867	37914099	Gmdrm	hypo	CG	-0.8507
Gm19	37930663	37930776	Gmdrm	hypo	CG	-0.7422
Gm19	37932650	37932791	Gmdrm	hypo	CG	-0.919
Gm19	37933117	37933255	Gmdrm	hypo	CG	-0.623
Gm19	37936070	37936164	Gmdrm	hypo	CG	-0.7633

Gm19	37939428	37939490	Gmdrm	hypo	CG	-0.6366
Gm19	37939869	37940044	Gmdrm	hypo	CG	-0.891
Gm19	37946310	37946404	Gmdrm	hypo	CG	-0.6982
Gm19	37972673	37972817	Gmdrm	hypo	CG	-0.163
Gm19	37981400	37981447	Gmdrm	hypo	CG	-0.1867
Gm19	38008580	38008671	Gmdrm	hypo	CG	-0.085
Gm19	38012487	38012683	Gmdrm	hypo	CG	-0.9817
Gm19	38026306	38026764	Gmdrm	hypo	CG	-0.6033
Gm19	38028285	38028592	Gmdrm	hypo	CG	-0.1834
Gm19	38113760	38113830	Gmdrm	hypo	CG	-0.7616
Gm19	38119701	38119792	Gmdrm	hypo	CG	-0.2638
Gm19	38141497	38141701	Gmdrm	hypo	CG	-0.72
Gm19	38142245	38142401	Gmdrm	hypo	CG	-0.4817
Gm19	38154823	38154937	Gmdrm	hypo	CG	-0.8712
Gm19	38175144	38175373	Gmdrm	hypo	CG	-0.0311
Gm19	38205851	38206112	Gmdrm	hypo	CG	-0.0573
Gm19	38225868	38225903	Gmdrm	hypo	CG	-0.8534
Gm19	38226231	38226510	Gmdrm	hypo	CG	-0.7793
Gm19	38226872	38226957	Gmdrm	hypo	CG	-0.2083
Gm19	38228408	38228470	Gmdrm	hypo	CG	-0.907
Gm19	38233388	38233919	Gmdrm	hypo	CG	-0.1064
Gm19	38245574	38245694	Gmdrm	hypo	CG	-0.9286
Gm19	38246008	38246094	Gmdrm	hypo	CG	-0.8543
Gm19	38250829	38250933	Gmdrm	hypo	CG	-0.8
Gm19	38253823	38253938	Gmdrm	hypo	CG	-0.6933
Gm19	38261464	38261916	Gmdrm	hypo	CG	-0.0414
Gm19	38279266	38279305	Gmdrm	hypo	CG	-0.18
Gm19	38279623	38280150	Gmdrm	hypo	CG	-0.6218
Gm19	38284968	38285241	Gmdrm	hypo	CG	-0.3036
Gm19	38286256	38286422	Gmdrm	hypo	CG	-0.3959
Gm19	38287421	38287578	Gmdrm	hypo	CG	-0.8917
Gm19	38287680	38287857	Gmdrm	hypo	CG	-0.6462
Gm19	38325649	38325779	Gmdrm	hypo	CG	-0.1496
Gm19	38325901	38326243	Gmdrm	hypo	CG	-0.2975
Gm19	38334789	38335350	Gmdrm	hypo	CG	-0.0909
Gm19	38343053	38343100	Gmdrm	hypo	CG	-0.556
Gm19	38350241	38350452	Gmdrm	hypo	CG	-0.0761
Gm19	38436831	38436966	Gmdrm	hypo	CG	-0.0375
Gm19	38439643	38439802	Gmdrm	hypo	CG	-0.6665
Gm19	38440854	38440990	Gmdrm	hypo	CG	-0.16
Gm19	38465801	38465976	Gmdrm	hypo	CG	-0.2134
Gm19	38468464	38468566	Gmdrm	hypo	CG	-0.823
Gm19	38491084	38491217	Gmdrm	hypo	CG	-0.638
Gm19	38495091	38495134	Gmdrm	hypo	CG	-0.042
Gm19	38495477	38495671	Gmdrm	hypo	CG	-0.8667
Gm19	38500325	38500590	Gmdrm	hypo	CG	-0.6883

Gm19	38501143	38501284	Gmdrm	hypo	CG	-0.2383
Gm19	38501713	38502033	Gmdrm	hypo	CG	-0.895
Gm19	38512179	38512281	Gmdrm	hypo	CG	-0.1814
Gm19	38513264	38513333	Gmdrm	hypo	CG	-0.8984
Gm19	38523910	38523973	Gmdrm	hypo	CG	-0.055
Gm19	38550760	38550911	Gmdrm	hypo	CG	-0.5263
Gm19	38566166	38566621	Gmdrm	hypo	CG	-0.8572
Gm19	38589454	38590021	Gmdrm	hypo	CG	-0.0209
Gm19	38591077	38591107	Gmdrm	hypo	CG	-0.8837
Gm19	38605780	38605978	Gmdrm	hypo	CG	-0.7481
Gm19	38609948	38610153	Gmdrm	hypo	CG	-0.9266
Gm19	38619500	38619578	Gmdrm	hypo	CG	-0.652
Gm19	38629067	38629414	Gmdrm	hypo	CG	-0.6977
Gm19	38630328	38630392	Gmdrm	hypo	CG	-0.0775
Gm19	38632179	38632336	Gmdrm	hypo	CG	-0.044
Gm19	38675209	38676091	Gmdrm	hypo	CG	-0.024
Gm19	38684763	38684939	Gmdrm	hypo	CG	-0.0591
Gm19	38691834	38691867	Gmdrm	hypo	CG	-0.875
Gm19	38692001	38692073	Gmdrm	hypo	CG	-0.86
Gm19	38697247	38697371	Gmdrm	hypo	CG	-0.085
Gm19	38710875	38711011	Gmdrm	hypo	CG	-0.067
Gm19	38744753	38744992	Gmdrm	hypo	CG	-0.429
Gm19	38752253	38752571	Gmdrm	hypo	CG	-0.9572
Gm19	38758591	38758824	Gmdrm	hypo	CG	-0.7308
Gm19	38759374	38759487	Gmdrm	hypo	CG	-0.798
Gm19	38760604	38760626	Gmdrm	hypo	CG	-0.935
Gm19	38773933	38774006	Gmdrm	hypo	CG	-0.135
Gm19	38782084	38782163	Gmdrm	hypo	CG	-0.9251
Gm19	38787542	38788121	Gmdrm	hypo	CG	-0.2148
Gm19	38792738	38792837	Gmdrm	hypo	CG	-0.6166
Gm19	38793034	38793210	Gmdrm	hypo	CG	-0.6717
Gm19	38793700	38793779	Gmdrm	hypo	CG	-0.3767
Gm19	38793892	38793999	Gmdrm	hypo	CG	-0.52
Gm19	38794130	38794362	Gmdrm	hypo	CG	-0.6125
Gm19	38801953	38802114	Gmdrm	hypo	CG	-0.4625
Gm19	38821200	38821275	Gmdrm	hypo	CG	-0.048
Gm19	38848076	38848485	Gmdrm	hypo	CG	-0.3637
Gm19	38863203	38863330	Gmdrm	hypo	CG	-0.059
Gm19	38875061	38875334	Gmdrm	hypo	CG	-0.903
Gm19	38905387	38905632	Gmdrm	hypo	CG	-0.0314
Gm19	38939851	38940021	Gmdrm	hypo	CG	-0.6137
Gm19	38955272	38955646	Gmdrm	hypo	CG	-0.5838
Gm19	38956685	38956786	Gmdrm	hypo	CG	-0.3563
Gm19	38967606	38968164	Gmdrm	hypo	CG	-0.0936
Gm19	38969547	38969606	Gmdrm	hypo	CG	-0.965
Gm19	38969792	38969838	Gmdrm	hypo	CG	-0.5288

Gm19	38971194	38971255	Gmdrm	hypo	CG	-0.66
Gm19	38971450	38971597	Gmdrm	hypo	CG	-0.672
Gm19	38991497	38991665	Gmdrm	hypo	CG	-0.9216
Gm19	39016145	39016468	Gmdrm	hypo	CG	-0.1429
Gm19	39016715	39016823	Gmdrm	hypo	CG	-0.6983
Gm19	39017201	39017351	Gmdrm	hypo	CG	-0.42
Gm19	39022808	39023138	Gmdrm	hypo	CG	-0.6126
Gm19	39027653	39027776	Gmdrm	hypo	CG	-0.3607
Gm19	39040622	39040755	Gmdrm	hypo	CG	-0.784
Gm19	39044289	39044394	Gmdrm	hypo	CG	-0.51
Gm19	39048641	39048779	Gmdrm	hypo	CG	-0.115
Gm19	39050620	39050731	Gmdrm	hypo	CG	-0.5037
Gm19	39060302	39060401	Gmdrm	hypo	CG	-0.06
Gm19	39075739	39075851	Gmdrm	hypo	CG	-0.5138
Gm19	39075961	39076051	Gmdrm	hypo	CG	-0.356
Gm19	39079003	39079052	Gmdrm	hypo	CG	-0.062
Gm19	39084435	39084720	Gmdrm	hypo	CG	-0.534
Gm19	39110960	39111318	Gmdrm	hypo	CG	-0.6578
Gm19	39116012	39116103	Gmdrm	hypo	CG	-0.7025
Gm19	39117017	39117179	Gmdrm	hypo	CG	-0.405
Gm19	39117401	39117458	Gmdrm	hypo	CG	-0.7034
Gm19	39122680	39122914	Gmdrm	hypo	CG	-0.3513
Gm19	39123478	39123544	Gmdrm	hypo	CG	-0.561
Gm19	39123656	39123747	Gmdrm	hypo	CG	-0.4233
Gm19	39128165	39128375	Gmdrm	hypo	CG	-0.6875
Gm19	39128801	39129093	Gmdrm	hypo	CG	-0.4147
Gm19	39136130	39136174	Gmdrm	hypo	CG	-0.2675
Gm19	39137544	39137831	Gmdrm	hypo	CG	-0.038
Gm19	39138896	39139032	Gmdrm	hypo	CG	-0.3937
Gm19	39139294	39139490	Gmdrm	hypo	CG	-0.6483
Gm19	39139657	39139742	Gmdrm	hypo	CG	-0.712
Gm19	39143522	39143654	Gmdrm	hypo	CG	-0.547
Gm19	39147231	39147384	Gmdrm	hypo	CG	-0.6663
Gm19	39147817	39147961	Gmdrm	hypo	CG	-0.7225
Gm19	39164171	39164382	Gmdrm	hypo	CG	-0.9612
Gm19	39172315	39172450	Gmdrm	hypo	CG	-0.31
Gm19	39174849	39174893	Gmdrm	hypo	CG	-0.9467
Gm19	39182735	39182796	Gmdrm	hypo	CG	-0.34
Gm19	39188918	39189074	Gmdrm	hypo	CG	-0.8893
Gm19	39197029	39197306	Gmdrm	hypo	CG	-0.18
Gm19	39227425	39227562	Gmdrm	hypo	CG	-0.635
Gm19	39233059	39233111	Gmdrm	hypo	CG	-0.9075
Gm19	39233407	39233704	Gmdrm	hypo	CG	-0.7725
Gm19	39248234	39248407	Gmdrm	hypo	CG	-0.5212
Gm19	39248543	39248650	Gmdrm	hypo	CG	-0.8133
Gm19	39248789	39248891	Gmdrm	hypo	CG	-0.5034

Gm19	39249103	39249213	Gmdrm	hypo	CG	-0.44
Gm19	39261309	39261601	Gmdrm	hypo	CG	-0.8706
Gm19	39272012	39272237	Gmdrm	hypo	CG	-0.1215
Gm19	39284589	39284772	Gmdrm	hypo	CG	-0.5687
Gm19	39285479	39285731	Gmdrm	hypo	CG	-0.4257
Gm19	39305911	39306045	Gmdrm	hypo	CG	-0.03
Gm19	39316187	39316408	Gmdrm	hypo	CG	-0.3459
Gm19	39380836	39381221	Gmdrm	hypo	CG	-0.9562
Gm19	39401836	39401967	Gmdrm	hypo	CG	-0.8257
Gm19	39415262	39415353	Gmdrm	hypo	CG	-0.4683
Gm19	39421511	39421750	Gmdrm	hypo	CG	-0.1367
Gm19	39426021	39426332	Gmdrm	hypo	CG	-0.6771
Gm19	39436161	39436654	Gmdrm	hypo	CG	-0.4544
Gm19	39443053	39443268	Gmdrm	hypo	CG	-0.4353
Gm19	39452805	39453037	Gmdrm	hypo	CG	-0.166
Gm19	39465564	39465688	Gmdrm	hypo	CG	-0.689
Gm19	39465797	39466063	Gmdrm	hypo	CG	-0.6875
Gm19	39466801	39466961	Gmdrm	hypo	CG	-0.2866
Gm19	39467211	39467309	Gmdrm	hypo	CG	-0.724
Gm19	39467725	39467872	Gmdrm	hypo	CG	-0.92
Gm19	39470745	39470949	Gmdrm	hypo	CG	-0.2088
Gm19	39529517	39529548	Gmdrm	hypo	CG	-0.065
Gm19	39557815	39557874	Gmdrm	hypo	CG	-0.905
Gm19	39558411	39558582	Gmdrm	hypo	CG	-0.0671
Gm19	39565261	39565440	Gmdrm	hypo	CG	-0.8387
Gm19	39573544	39573741	Gmdrm	hypo	CG	-0.6017
Gm19	39574112	39574168	Gmdrm	hypo	CG	-0.915
Gm19	39575908	39575999	Gmdrm	hypo	CG	-0.9614
Gm19	39589806	39589878	Gmdrm	hypo	CG	-0.2412
Gm19	39648342	39648523	Gmdrm	hypo	CG	-0.342
Gm19	39686055	39686174	Gmdrm	hypo	CG	-0.7328
Gm19	39690302	39690440	Gmdrm	hypo	CG	-0.29
Gm19	39694296	39694452	Gmdrm	hypo	CG	-0.5995
Gm19	39701548	39701905	Gmdrm	hypo	CG	-0.2338
Gm19	39711281	39711310	Gmdrm	hypo	CG	-0.3967
Gm19	39756999	39757158	Gmdrm	hypo	CG	-0.7649
Gm19	39757281	39757333	Gmdrm	hypo	CG	-0.779
Gm19	39757658	39758113	Gmdrm	hypo	CG	-0.0588
Gm19	39760258	39760319	Gmdrm	hypo	CG	-0.932
Gm19	39760420	39760507	Gmdrm	hypo	CG	-0.6
Gm19	39771914	39771949	Gmdrm	hypo	CG	-0.7383
Gm19	39772098	39772331	Gmdrm	hypo	CG	-0.2637
Gm19	39807133	39807281	Gmdrm	hypo	CG	-0.862
Gm19	39808367	39808463	Gmdrm	hypo	CG	-0.6701
Gm19	39810857	39811101	Gmdrm	hypo	CG	-0.4927
Gm19	39853846	39854301	Gmdrm	hypo	CG	-0.526

Gm19	39857802	39857906	Gmdrm	hypo	CG	-0.95
Gm19	39860729	39860899	Gmdrm	hypo	CG	-0.032
Gm19	39872443	39872528	Gmdrm	hypo	CG	-0.5488
Gm19	39873438	39873577	Gmdrm	hypo	CG	-0.765
Gm19	39894241	39894361	Gmdrm	hypo	CG	-0.5342
Gm19	39894746	39895190	Gmdrm	hypo	CG	-0.6509
Gm19	39908842	39909055	Gmdrm	hypo	CG	-0.69
Gm19	39909288	39909533	Gmdrm	hypo	CG	-0.9222
Gm19	39921169	39921399	Gmdrm	hypo	CG	-0.8628
Gm19	39921731	39921772	Gmdrm	hypo	CG	-0.3287
Gm19	39922472	39922781	Gmdrm	hypo	CG	-0.8394
Gm19	39974877	39974981	Gmdrm	hypo	CG	-0.342
Gm19	39976464	39976524	Gmdrm	hypo	CG	-0.2717
Gm19	39976714	39976822	Gmdrm	hypo	CG	-0.954
Gm19	39981775	39982088	Gmdrm	hypo	CG	-0.389
Gm19	39991778	39991922	Gmdrm	hypo	CG	-0.874
Gm19	40008359	40008594	Gmdrm	hypo	CG	-0.8975
Gm19	40022907	40023018	Gmdrm	hypo	CG	-0.5817
Gm19	40035558	40035682	Gmdrm	hypo	CG	-0.1715
Gm19	40086611	40086826	Gmdrm	hypo	CG	-0.5914
Gm19	40098560	40098633	Gmdrm	hypo	CG	-0.745
Gm19	40102264	40102475	Gmdrm	hypo	CG	-0.0769
Gm19	40106022	40106146	Gmdrm	hypo	CG	-0.9488
Gm19	40108439	40108668	Gmdrm	hypo	CG	-0.392
Gm19	40109798	40109853	Gmdrm	hypo	CG	-0.4367
Gm19	40109966	40110060	Gmdrm	hypo	CG	-0.3467
Gm19	40110815	40111008	Gmdrm	hypo	CG	-0.3467
Gm19	40117505	40117683	Gmdrm	hypo	CG	-0.1783
Gm19	40118692	40118764	Gmdrm	hypo	CG	-0.1188
Gm19	40119212	40119330	Gmdrm	hypo	CG	-0.613
Gm19	40152537	40152625	Gmdrm	hypo	CG	-0.4967
Gm19	40198715	40198869	Gmdrm	hypo	CG	-0.31
Gm19	40233379	40233498	Gmdrm	hypo	CG	-0.915
Gm19	40261769	40261991	Gmdrm	hypo	CG	-0.8578
Gm19	40273895	40274012	Gmdrm	hypo	CG	-0.9371
Gm19	40285689	40285883	Gmdrm	hypo	CG	-0.7708
Gm19	40288647	40288749	Gmdrm	hypo	CG	-0.6778
Gm19	40313235	40313446	Gmdrm	hypo	CG	-0.8423
Gm19	40313798	40313862	Gmdrm	hypo	CG	-0.8359
Gm19	40345930	40346109	Gmdrm	hypo	CG	-0.645
Gm19	40360080	40360119	Gmdrm	hypo	CG	-0.125
Gm19	40371269	40371331	Gmdrm	hypo	CG	-0.485
Gm19	40377565	40377619	Gmdrm	hypo	CG	-0.7138
Gm19	40385179	40385343	Gmdrm	hypo	CG	-0.9257
Gm19	40395975	40396115	Gmdrm	hypo	CG	-0.1333
Gm19	40407076	40407268	Gmdrm	hypo	CG	-0.63

Gm19	40500628	40500747	Gmdrm	hypo	CG	-0.9567
Gm19	40573761	40573945	Gmdrm	hypo	CG	-0.3334
Gm19	40595037	40595421	Gmdrm	hypo	CG	-0.1265
Gm19	40623732	40623901	Gmdrm	hypo	CG	-0.3263
Gm19	40624227	40624273	Gmdrm	hypo	CG	-0.825
Gm19	40639714	40640069	Gmdrm	hypo	CG	-0.0812
Gm19	40644602	40645194	Gmdrm	hypo	CG	-0.7041
Gm19	40645816	40645947	Gmdrm	hypo	CG	-0.0367
Gm19	40664418	40664608	Gmdrm	hypo	CG	-0.538
Gm19	40690601	40690922	Gmdrm	hypo	CG	-0.7145
Gm19	40691177	40691320	Gmdrm	hypo	CG	-0.6739
Gm19	40704284	40704534	Gmdrm	hypo	CG	-0.16
Gm19	40722493	40722520	Gmdrm	hypo	CG	-0.0967
Gm19	40724362	40724463	Gmdrm	hypo	CG	-0.9267
Gm19	40726059	40726215	Gmdrm	hypo	CG	-0.8533
Gm19	40735924	40735989	Gmdrm	hypo	CG	-0.7967
Gm19	40743797	40744185	Gmdrm	hypo	CG	-0.837
Gm19	40744951	40745103	Gmdrm	hypo	CG	-0.8743
Gm19	40764451	40764546	Gmdrm	hypo	CG	-0.745
Gm19	40764878	40765054	Gmdrm	hypo	CG	-0.805
Gm19	40826797	40827032	Gmdrm	hypo	CG	-0.0754
Gm19	40865763	40865917	Gmdrm	hypo	CG	-0.734
Gm19	40866046	40866083	Gmdrm	hypo	CG	-0.652
Gm19	40868977	40869347	Gmdrm	hypo	CG	-0.039
Gm19	40881502	40881649	Gmdrm	hypo	CG	-0.594
Gm19	40888656	40888786	Gmdrm	hypo	CG	-0.969
Gm19	40933841	40933975	Gmdrm	hypo	CG	-0.0283
Gm19	40935702	40935771	Gmdrm	hypo	CG	-0.0533
Gm19	40936006	40936155	Gmdrm	hypo	CG	-0.4569
Gm19	40936439	40936532	Gmdrm	hypo	CG	-0.6583
Gm19	40956120	40956298	Gmdrm	hypo	CG	-0.1628
Gm19	40970327	40970418	Gmdrm	hypo	CG	-0.423
Gm19	40988150	40988540	Gmdrm	hypo	CG	-0.9444
Gm19	40995233	40995632	Gmdrm	hypo	CG	-0.395
Gm19	40997356	40997788	Gmdrm	hypo	CG	-0.1335
Gm19	41001772	41002067	Gmdrm	hypo	CG	-0.4565
Gm19	41004755	41005024	Gmdrm	hypo	CG	-0.328
Gm19	41005147	41005207	Gmdrm	hypo	CG	-0.967
Gm19	41005345	41005422	Gmdrm	hypo	CG	-0.8575
Gm19	41007632	41007654	Gmdrm	hypo	CG	-0.43
Gm19	41007911	41008076	Gmdrm	hypo	CG	-0.495
Gm19	41012258	41012319	Gmdrm	hypo	CG	-0.405
Gm19	41012812	41013014	Gmdrm	hypo	CG	-0.5723
Gm19	41024142	41024268	Gmdrm	hypo	CG	-0.8163
Gm19	41030270	41030595	Gmdrm	hypo	CG	-0.6733
Gm19	41030733	41031370	Gmdrm	hypo	CG	-0.0503

Gm19	41035958	41036121	Gmdrm	hypo	CG	-0.8925
Gm19	41036243	41036391	Gmdrm	hypo	CG	-0.466
Gm19	41060147	41060342	Gmdrm	hypo	CG	-0.6362
Gm19	41068187	41068448	Gmdrm	hypo	CG	-0.4057
Gm19	41078295	41078513	Gmdrm	hypo	CG	-0.0654
Gm19	41129975	41130127	Gmdrm	hypo	CG	-0.1
Gm19	41145300	41145816	Gmdrm	hypo	CG	-0.2788
Gm19	41146797	41147027	Gmdrm	hypo	CG	-0.8339
Gm19	41149199	41149538	Gmdrm	hypo	CG	-0.1579
Gm19	41182930	41182950	Gmdrm	hypo	CG	-0.335
Gm19	41193252	41193424	Gmdrm	hypo	CG	-0.8167
Gm19	41193578	41193785	Gmdrm	hypo	CG	-0.4188
Gm19	41194372	41194585	Gmdrm	hypo	CG	-0.9064
Gm19	41202088	41202395	Gmdrm	hypo	CG	-0.0645
Gm19	41205266	41205463	Gmdrm	hypo	CG	-0.8436
Gm19	41205829	41205944	Gmdrm	hypo	CG	-0.9533
Gm19	41217754	41217833	Gmdrm	hypo	CG	-0.7417
Gm19	41218220	41218321	Gmdrm	hypo	CG	-0.135
Gm19	41227768	41227849	Gmdrm	hypo	CG	-0.6167
Gm19	41250280	41250359	Gmdrm	hypo	CG	-0.4363
Gm19	41250474	41250601	Gmdrm	hypo	CG	-0.827
Gm19	41289434	41289608	Gmdrm	hypo	CG	-0.8355
Gm19	41298431	41298495	Gmdrm	hypo	CG	-0.6187
Gm19	41299545	41299788	Gmdrm	hypo	CG	-0.2792
Gm19	41301486	41301879	Gmdrm	hypo	CG	-0.05
Gm19	41311780	41311943	Gmdrm	hypo	CG	-0.4685
Gm19	41326437	41326901	Gmdrm	hypo	CG	-0.4461
Gm19	41363178	41363386	Gmdrm	hypo	CG	-0.3378
Gm19	41363666	41363915	Gmdrm	hypo	CG	-0.3
Gm19	41368704	41368757	Gmdrm	hypo	CG	-0.3233
Gm19	41388210	41388303	Gmdrm	hypo	CG	-0.1164
Gm19	41389634	41389731	Gmdrm	hypo	CG	-0.4117
Gm19	41402284	41402415	Gmdrm	hypo	CG	-0.195
Gm19	41409833	41409944	Gmdrm	hypo	CG	-0.4789
Gm19	41410153	41410270	Gmdrm	hypo	CG	-0.4622
Gm19	41436795	41436908	Gmdrm	hypo	CG	-0.46
Gm19	41438452	41438632	Gmdrm	hypo	CG	-0.2678
Gm19	41455630	41455668	Gmdrm	hypo	CG	-0.7033
Gm19	41466032	41467017	Gmdrm	hypo	CG	-0.0565
Gm19	41471086	41471215	Gmdrm	hypo	CG	-0.4475
Gm19	41538228	41538276	Gmdrm	hypo	CG	-0.34
Gm19	41560236	41560505	Gmdrm	hypo	CG	-0.595
Gm19	41561328	41561651	Gmdrm	hypo	CG	-0.5459
Gm19	41568387	41568520	Gmdrm	hypo	CG	-0.9714
Gm19	41576100	41576222	Gmdrm	hypo	CG	-0.9327
Gm19	41576639	41576663	Gmdrm	hypo	CG	-0.3533

Gm19	41583983	41584013	Gmdrm	hypo	CG	-0.6883
Gm19	41590303	41590462	Gmdrm	hypo	CG	-0.4808
Gm19	41593395	41593643	Gmdrm	hypo	CG	-0.1181
Gm19	41597072	41597346	Gmdrm	hypo	CG	-0.5191
Gm19	41608333	41608407	Gmdrm	hypo	CG	-0.952
Gm19	41615182	41615455	Gmdrm	hypo	CG	-0.84
Gm19	41622425	41622625	Gmdrm	hypo	CG	-0.7962
Gm19	41637790	41637855	Gmdrm	hypo	CG	-0.776
Gm19	41654425	41654557	Gmdrm	hypo	CG	-0.54
Gm19	41656782	41656894	Gmdrm	hypo	CG	-0.0417
Gm19	41677363	41677639	Gmdrm	hypo	CG	-0.504
Gm19	41682973	41683368	Gmdrm	hypo	CG	-0.6493
Gm19	41698732	41699102	Gmdrm	hypo	CG	-0.5819
Gm19	41700355	41700605	Gmdrm	hypo	CG	-0.8156
Gm19	41701656	41702150	Gmdrm	hypo	CG	-0.4739
Gm19	41704477	41704811	Gmdrm	hypo	CG	-0.3514
Gm19	41734328	41734373	Gmdrm	hypo	CG	-0.0617
Gm19	41764820	41765186	Gmdrm	hypo	CG	-0.8114
Gm19	41767161	41767206	Gmdrm	hypo	CG	-0.8487
Gm19	41767610	41767713	Gmdrm	hypo	CG	-0.3856
Gm19	41774410	41774511	Gmdrm	hypo	CG	-0.947
Gm19	41779934	41780119	Gmdrm	hypo	CG	-0.4007
Gm19	41799059	41799151	Gmdrm	hypo	CG	-0.1275
Gm19	41812660	41812739	Gmdrm	hypo	CG	-0.0272
Gm19	41850903	41850943	Gmdrm	hypo	CG	-0.94
Gm19	41852394	41852561	Gmdrm	hypo	CG	-0.955
Gm19	41853515	41853885	Gmdrm	hypo	CG	-0.6107
Gm19	41914696	41915209	Gmdrm	hypo	CG	-0.4829
Gm19	41915388	41915651	Gmdrm	hypo	CG	-0.5034
Gm19	41915814	41915889	Gmdrm	hypo	CG	-0.96
Gm19	41916011	41916179	Gmdrm	hypo	CG	-0.67
Gm19	41946384	41946474	Gmdrm	hypo	CG	-0.672
Gm19	41962135	41962353	Gmdrm	hypo	CG	-0.0488
Gm19	41962629	41962812	Gmdrm	hypo	CG	-0.849
Gm19	41968332	41968507	Gmdrm	hypo	CG	-0.8163
Gm19	41983317	41983496	Gmdrm	hypo	CG	-0.035
Gm19	41996724	41996970	Gmdrm	hypo	CG	-0.281
Gm19	42013451	42013682	Gmdrm	hypo	CG	-0.599
Gm19	42029136	42029322	Gmdrm	hypo	CG	-0.81
Gm19	42042164	42042333	Gmdrm	hypo	CG	-0.47
Gm19	42044537	42044610	Gmdrm	hypo	CG	-0.54
Gm19	42046166	42046281	Gmdrm	hypo	CG	-0.1062
Gm19	42046383	42046437	Gmdrm	hypo	CG	-0.2766
Gm19	42059710	42059816	Gmdrm	hypo	CG	-0.3672
Gm19	42060071	42060161	Gmdrm	hypo	CG	-0.3412
Gm19	42097877	42098042	Gmdrm	hypo	CG	-0.587

Gm19	42137102	42137420	Gmdrm	hypo	CG	-0.7655
Gm19	42148114	42148198	Gmdrm	hypo	CG	-0.0578
Gm19	42154235	42154453	Gmdrm	hypo	CG	-0.6912
Gm19	42154610	42154776	Gmdrm	hypo	CG	-0.515
Gm19	42159443	42159539	Gmdrm	hypo	CG	-0.5749
Gm19	42160541	42160880	Gmdrm	hypo	CG	-0.0623
Gm19	42184865	42184976	Gmdrm	hypo	CG	-0.8375
Gm19	42185812	42186068	Gmdrm	hypo	CG	-0.5031
Gm19	42186244	42186280	Gmdrm	hypo	CG	-0.215
Gm19	42186395	42186609	Gmdrm	hypo	CG	-0.3282
Gm19	42197042	42197091	Gmdrm	hypo	CG	-0.1888
Gm19	42198072	42198169	Gmdrm	hypo	CG	-0.3667
Gm19	42198299	42198450	Gmdrm	hypo	CG	-0.276
Gm19	42223163	42223234	Gmdrm	hypo	CG	-0.6633
Gm19	42224275	42224403	Gmdrm	hypo	CG	-0.1234
Gm19	42227805	42227899	Gmdrm	hypo	CG	-0.725
Gm19	42250974	42251063	Gmdrm	hypo	CG	-0.0387
Gm19	42275871	42275967	Gmdrm	hypo	CG	-0.945
Gm19	42276125	42276210	Gmdrm	hypo	CG	-0.387
Gm19	42283016	42283091	Gmdrm	hypo	CG	-0.7933
Gm19	42305079	42305359	Gmdrm	hypo	CG	-0.0483
Gm19	42312931	42312979	Gmdrm	hypo	CG	-0.8716
Gm19	42318134	42318329	Gmdrm	hypo	CG	-0.058
Gm19	42322587	42322788	Gmdrm	hypo	CG	-0.8867
Gm19	42336289	42336383	Gmdrm	hypo	CG	-0.8017
Gm19	42360373	42360452	Gmdrm	hypo	CG	-0.19
Gm19	42368014	42368098	Gmdrm	hypo	CG	-0.53
Gm19	42368208	42368331	Gmdrm	hypo	CG	-0.5617
Gm19	42369161	42369402	Gmdrm	hypo	CG	-0.8018
Gm19	42414550	42414775	Gmdrm	hypo	CG	-0.59
Gm19	42415517	42415657	Gmdrm	hypo	CG	-0.0991
Gm19	42420057	42420297	Gmdrm	hypo	CG	-0.713
Gm19	42421207	42421768	Gmdrm	hypo	CG	-0.0798
Gm19	42429658	42429755	Gmdrm	hypo	CG	-0.8583
Gm19	42437878	42437892	Gmdrm	hypo	CG	-0.672
Gm19	42486008	42486061	Gmdrm	hypo	CG	-0.205
Gm19	42496280	42496443	Gmdrm	hypo	CG	-0.349
Gm19	42501952	42502220	Gmdrm	hypo	CG	-0.7024
Gm19	42509840	42510122	Gmdrm	hypo	CG	-0.7832
Gm19	42510225	42510319	Gmdrm	hypo	CG	-0.98
Gm19	42511201	42511430	Gmdrm	hypo	CG	-0.9078
Gm19	42513837	42514053	Gmdrm	hypo	CG	-0.95
Gm19	42514188	42514387	Gmdrm	hypo	CG	-0.935
Gm19	42545461	42545764	Gmdrm	hypo	CG	-0.9109
Gm19	42646037	42646297	Gmdrm	hypo	CG	-0.546
Gm19	42666545	42666628	Gmdrm	hypo	CG	-0.9417

Gm19	42669616	42669680	Gmdrm	hypo	CG	-0.7867
Gm19	42672171	42672212	Gmdrm	hypo	CG	-0.735
Gm19	42672350	42672373	Gmdrm	hypo	CG	-0.2487
Gm19	42689535	42690015	Gmdrm	hypo	CG	-0.0952
Gm19	42708153	42708604	Gmdrm	hypo	CG	-0.0825
Gm19	42710810	42711208	Gmdrm	hypo	CG	-0.1572
Gm19	42711705	42711878	Gmdrm	hypo	CG	-0.6462
Gm19	42724649	42724755	Gmdrm	hypo	CG	-0.6717
Gm19	42728828	42728953	Gmdrm	hypo	CG	-0.045
Gm19	42729599	42729749	Gmdrm	hypo	CG	-0.0333
Gm19	42736022	42736093	Gmdrm	hypo	CG	-0.7608
Gm19	42744709	42744801	Gmdrm	hypo	CG	-0.223
Gm19	42744905	42745033	Gmdrm	hypo	CG	-0.2266
Gm19	42745360	42745442	Gmdrm	hypo	CG	-0.1374
Gm19	42745569	42745658	Gmdrm	hypo	CG	-0.7266
Gm19	42797999	42798122	Gmdrm	hypo	CG	-0.065
Gm19	42804744	42804806	Gmdrm	hypo	CG	-0.9333
Gm19	42805529	42805631	Gmdrm	hypo	CG	-0.9575
Gm19	42812516	42812566	Gmdrm	hypo	CG	-0.9184
Gm19	42821821	42821863	Gmdrm	hypo	CG	-0.6963
Gm19	42822071	42822307	Gmdrm	hypo	CG	-0.6979
Gm19	42838410	42838482	Gmdrm	hypo	CG	-0.7467
Gm19	42838596	42838698	Gmdrm	hypo	CG	-0.174
Gm19	42857448	42857613	Gmdrm	hypo	CG	-0.3712
Gm19	42889561	42889694	Gmdrm	hypo	CG	-0.835
Gm19	42889879	42889979	Gmdrm	hypo	CG	-0.8133
Gm19	42894810	42895026	Gmdrm	hypo	CG	-0.0284
Gm19	42902544	42902567	Gmdrm	hypo	CG	-0.5566
Gm19	42903305	42903453	Gmdrm	hypo	CG	-0.9389
Gm19	42904624	42905021	Gmdrm	hypo	CG	-0.5755
Gm19	42916844	42917008	Gmdrm	hypo	CG	-0.9214
Gm19	42919088	42919280	Gmdrm	hypo	CG	-0.2242
Gm19	42921529	42921803	Gmdrm	hypo	CG	-0.9593
Gm19	42930108	42930243	Gmdrm	hypo	CG	-0.61
Gm19	42946274	42947130	Gmdrm	hypo	CG	-0.0938
Gm19	42958098	42958454	Gmdrm	hypo	CG	-0.5921
Gm19	42972929	42972965	Gmdrm	hypo	CG	-0.6866
Gm19	42973081	42973209	Gmdrm	hypo	CG	-0.9688
Gm19	42992081	42992244	Gmdrm	hypo	CG	-0.9542
Gm19	42992367	42992469	Gmdrm	hypo	CG	-0.8333
Gm19	43008400	43008608	Gmdrm	hypo	CG	-0.1633
Gm19	43020077	43020245	Gmdrm	hypo	CG	-0.856
Gm19	43031010	43031108	Gmdrm	hypo	CG	-0.9617
Gm19	43061243	43061743	Gmdrm	hypo	CG	-0.2237
Gm19	43068754	43068934	Gmdrm	hypo	CG	-0.3756
Gm19	43074904	43075113	Gmdrm	hypo	CG	-0.7534

Gm19	43110804	43110864	Gmdrm	hypo	CG	-0.12
Gm19	43110968	43111121	Gmdrm	hypo	CG	-0.7572
Gm19	43111619	43111640	Gmdrm	hypo	CG	-0.7637
Gm19	43111873	43112139	Gmdrm	hypo	CG	-0.6156
Gm19	43116264	43116287	Gmdrm	hypo	CG	-0.955
Gm19	43122727	43122872	Gmdrm	hypo	CG	-0.82
Gm19	43123200	43123284	Gmdrm	hypo	CG	-0.6283
Gm19	43123642	43123720	Gmdrm	hypo	CG	-0.1
Gm19	43124864	43124938	Gmdrm	hypo	CG	-0.456
Gm19	43148359	43148535	Gmdrm	hypo	CG	-0.7633
Gm19	43153384	43153652	Gmdrm	hypo	CG	-0.1269
Gm19	43194917	43195350	Gmdrm	hypo	CG	-0.4194
Gm19	43196618	43196650	Gmdrm	hypo	CG	-0.585
Gm19	43199284	43199358	Gmdrm	hypo	CG	-0.036
Gm19	43199511	43199690	Gmdrm	hypo	CG	-0.4225
Gm19	43200057	43200205	Gmdrm	hypo	CG	-0.6158
Gm19	43216579	43216781	Gmdrm	hypo	CG	-0.8522
Gm19	43217349	43217411	Gmdrm	hypo	CG	-0.056
Gm19	43228427	43228635	Gmdrm	hypo	CG	-0.6037
Gm19	43231244	43231384	Gmdrm	hypo	CG	-0.8743
Gm19	43241531	43241603	Gmdrm	hypo	CG	-0.0616
Gm19	43269705	43269782	Gmdrm	hypo	CG	-0.315
Gm19	43284623	43284652	Gmdrm	hypo	CG	-0.965
Gm19	43292827	43292975	Gmdrm	hypo	CG	-0.2342
Gm19	43329987	43330121	Gmdrm	hypo	CG	-0.5953
Gm19	43384023	43384115	Gmdrm	hypo	CG	-0.105
Gm19	43394564	43394577	Gmdrm	hypo	CG	-0.73
Gm19	43394939	43395090	Gmdrm	hypo	CG	-0.192
Gm19	43405898	43406014	Gmdrm	hypo	CG	-0.6367
Gm19	43444935	43445264	Gmdrm	hypo	CG	-0.6129
Gm19	43464561	43464675	Gmdrm	hypo	CG	-0.4565
Gm19	43492242	43492503	Gmdrm	hypo	CG	-0.7955
Gm19	43492909	43493056	Gmdrm	hypo	CG	-0.4491
Gm19	43495829	43496218	Gmdrm	hypo	CG	-0.95
Gm19	43497708	43498316	Gmdrm	hypo	CG	-0.7797
Gm19	43501804	43502063	Gmdrm	hypo	CG	-0.7559
Gm19	43532920	43533109	Gmdrm	hypo	CG	-0.2893
Gm19	43534507	43534682	Gmdrm	hypo	CG	-0.889
Gm19	43535265	43535556	Gmdrm	hypo	CG	-0.69
Gm19	43535934	43535961	Gmdrm	hypo	CG	-0.3667
Gm19	43540968	43541080	Gmdrm	hypo	CG	-0.6551
Gm19	43541223	43541346	Gmdrm	hypo	CG	-0.706
Gm19	43561396	43561511	Gmdrm	hypo	CG	-0.3962
Gm19	43566607	43566714	Gmdrm	hypo	CG	-0.062
Gm19	43643737	43643928	Gmdrm	hypo	CG	-0.6788
Gm19	43647769	43647842	Gmdrm	hypo	CG	-0.9214

Gm19	43647980	43648031	Gmdrm	hypo	CG	-0.965
Gm19	43648144	43648296	Gmdrm	hypo	CG	-0.761
Gm19	43648641	43648833	Gmdrm	hypo	CG	-0.884
Gm19	43651359	43651507	Gmdrm	hypo	CG	-0.374
Gm19	43651735	43651945	Gmdrm	hypo	CG	-0.91
Gm19	43652096	43652255	Gmdrm	hypo	CG	-0.8575
Gm19	43717934	43717972	Gmdrm	hypo	CG	-0.4867
Gm19	43718360	43718812	Gmdrm	hypo	CG	-0.4395
Gm19	43721837	43722035	Gmdrm	hypo	CG	-0.175
Gm19	43722270	43722426	Gmdrm	hypo	CG	-0.3783
Gm19	43741081	43741155	Gmdrm	hypo	CG	-0.128
Gm19	43745677	43746028	Gmdrm	hypo	CG	-0.8421
Gm19	43747371	43747849	Gmdrm	hypo	CG	-0.5369
Gm19	43750431	43750672	Gmdrm	hypo	CG	-0.0927
Gm19	43759639	43759763	Gmdrm	hypo	CG	-0.054
Gm19	43764706	43764809	Gmdrm	hypo	CG	-0.95
Gm19	43772255	43772348	Gmdrm	hypo	CG	-0.7267
Gm19	43789344	43789614	Gmdrm	hypo	CG	-0.3434
Gm19	43792434	43792721	Gmdrm	hypo	CG	-0.9711
Gm19	43804574	43804958	Gmdrm	hypo	CG	-0.0622
Gm19	43815593	43815808	Gmdrm	hypo	CG	-0.8569
Gm19	43815966	43816057	Gmdrm	hypo	CG	-0.7717
Gm19	43830361	43830462	Gmdrm	hypo	CG	-0.555
Gm19	43833936	43834088	Gmdrm	hypo	CG	-0.3183
Gm19	43835372	43835797	Gmdrm	hypo	CG	-0.8525
Gm19	43846483	43846564	Gmdrm	hypo	CG	-0.0801
Gm19	43862064	43862091	Gmdrm	hypo	CG	-0.4434
Gm19	43871848	43872024	Gmdrm	hypo	CG	-0.0367
Gm19	43875781	43875916	Gmdrm	hypo	CG	-0.0833
Gm19	43889902	43889988	Gmdrm	hypo	CG	-0.919
Gm19	43890114	43890303	Gmdrm	hypo	CG	-0.3487
Gm19	43890427	43891043	Gmdrm	hypo	CG	-0.1814
Gm19	43892143	43892387	Gmdrm	hypo	CG	-0.8965
Gm19	43896112	43896176	Gmdrm	hypo	CG	-0.0533
Gm19	43908806	43908938	Gmdrm	hypo	CG	-0.4418
Gm19	43918509	43918750	Gmdrm	hypo	CG	-0.6694
Gm19	43959507	43959605	Gmdrm	hypo	CG	-0.25
Gm19	43960065	43960132	Gmdrm	hypo	CG	-0.7034
Gm19	43963926	43964166	Gmdrm	hypo	CG	-0.0329
Gm19	43966753	43966987	Gmdrm	hypo	CG	-0.0923
Gm19	43987265	43987405	Gmdrm	hypo	CG	-0.686
Gm19	44016288	44016428	Gmdrm	hypo	CG	-0.9405
Gm19	44017443	44017532	Gmdrm	hypo	CG	-0.9671
Gm19	44025740	44025900	Gmdrm	hypo	CG	-0.82
Gm19	44044162	44044429	Gmdrm	hypo	CG	-0.0943
Gm19	44118774	44118861	Gmdrm	hypo	CG	-0.8134

Gm19	44132393	44132515 Gmdrm	hypo	CG	-0.09
Gm19	44184919	44185078 Gmdrm	hypo	CG	-0.0157
Gm19	44185888	44186222 Gmdrm	hypo	CG	-0.7192
Gm19	44198394	44198617 Gmdrm	hypo	CG	-0.8194
Gm19	44199019	44199091 Gmdrm	hypo	CG	-0.6133
Gm19	44224823	44224916 Gmdrm	hypo	CG	-0.692
Gm19	44298588	44299074 Gmdrm	hypo	CG	-0.58
Gm19	44299512	44299652 Gmdrm	hypo	CG	-0.5788
Gm19	44301406	44301488 Gmdrm	hypo	CG	-0.4917
Gm19	44304994	44305255 Gmdrm	hypo	CG	-0.6175
Gm19	44354330	44354614 Gmdrm	hypo	CG	-0.0741
Gm19	44355361	44355377 Gmdrm	hypo	CG	-0.1267
Gm19	44359254	44359344 Gmdrm	hypo	CG	-0.77
Gm19	44364687	44364869 Gmdrm	hypo	CG	-0.6279
Gm19	44377085	44377225 Gmdrm	hypo	CG	-0.4767
Gm19	44400115	44400474 Gmdrm	hypo	CG	-0.3553
Gm19	44413429	44413699 Gmdrm	hypo	CG	-0.3756
Gm19	44449087	44449248 Gmdrm	hypo	CG	-0.0283
Gm19	44458296	44458670 Gmdrm	hypo	CG	-0.6207
Gm19	44511342	44511352 Gmdrm	hypo	CG	-0.7566
Gm19	44511632	44511916 Gmdrm	hypo	CG	-0.1205
Gm19	44512617	44512741 Gmdrm	hypo	CG	-0.9341
Gm19	44525627	44525846 Gmdrm	hypo	CG	-0.7336
Gm19	44527348	44527525 Gmdrm	hypo	CG	-0.0383
Gm19	44528423	44528529 Gmdrm	hypo	CG	-0.048
Gm19	44546737	44547161 Gmdrm	hypo	CG	-0.0256
Gm19	44547711	44547904 Gmdrm	hypo	CG	-0.0742
Gm19	44548668	44548898 Gmdrm	hypo	CG	-0.45
Gm19	44550433	44550844 Gmdrm	hypo	CG	-0.448
Gm19	44569531	44569761 Gmdrm	hypo	CG	-0.4957
Gm19	44581541	44581969 Gmdrm	hypo	CG	-0.7314
Gm19	44587878	44587989 Gmdrm	hypo	CG	-0.8343
Gm19	44588395	44588841 Gmdrm	hypo	CG	-0.3716
Gm19	44631629	44631819 Gmdrm	hypo	CG	-0.06
Gm19	44634126	44634400 Gmdrm	hypo	CG	-0.6392
Gm19	44634659	44634958 Gmdrm	hypo	CG	-0.2167
Gm19	44649981	44650219 Gmdrm	hypo	CG	-0.9136
Gm19	44663695	44663781 Gmdrm	hypo	CG	-0.9
Gm19	44668756	44668837 Gmdrm	hypo	CG	-0.956
Gm19	44688568	44688775 Gmdrm	hypo	CG	-0.195
Gm19	44725079	44725269 Gmdrm	hypo	CG	-0.5984
Gm19	44738855	44739017 Gmdrm	hypo	CG	-0.04
Gm19	44748267	44748575 Gmdrm	hypo	CG	-0.1281
Gm19	44763049	44763293 Gmdrm	hypo	CG	-0.411
Gm19	44785896	44785971 Gmdrm	hypo	CG	-0.042
Gm19	44796530	44796789 Gmdrm	hypo	CG	-0.14

Gm19	44796976	44797101	Gmdrm	hypo	CG	-0.2291
Gm19	44810553	44810722	Gmdrm	hypo	CG	-0.08
Gm19	44813594	44813711	Gmdrm	hypo	CG	-0.7159
Gm19	44813995	44814116	Gmdrm	hypo	CG	-0.8036
Gm19	44816480	44816587	Gmdrm	hypo	CG	-0.1887
Gm19	44816929	44817054	Gmdrm	hypo	CG	-0.664
Gm19	44818020	44818080	Gmdrm	hypo	CG	-0.76
Gm19	44832556	44832723	Gmdrm	hypo	CG	-0.9229
Gm19	44837201	44837392	Gmdrm	hypo	CG	-0.1478
Gm19	44867374	44867446	Gmdrm	hypo	CG	-0.84
Gm19	44867607	44867738	Gmdrm	hypo	CG	-0.745
Gm19	44879849	44879872	Gmdrm	hypo	CG	-0.9334
Gm19	44880355	44880472	Gmdrm	hypo	CG	-0.351
Gm19	44881065	44881127	Gmdrm	hypo	CG	-0.962
Gm19	44883678	44883767	Gmdrm	hypo	CG	-0.5317
Gm19	44890042	44890057	Gmdrm	hypo	CG	-0.9463
Gm19	44906441	44906637	Gmdrm	hypo	CG	-0.6825
Gm19	44943852	44943949	Gmdrm	hypo	CG	-0.945
Gm19	44958414	44958568	Gmdrm	hypo	CG	-0.8514
Gm19	44958754	44958789	Gmdrm	hypo	CG	-0.8983
Gm19	45009510	45009701	Gmdrm	hypo	CG	-0.4548
Gm19	45010166	45010333	Gmdrm	hypo	CG	-0.5207
Gm19	45010440	45010472	Gmdrm	hypo	CG	-0.444
Gm19	45010585	45010653	Gmdrm	hypo	CG	-0.71
Gm19	45021333	45021424	Gmdrm	hypo	CG	-0.5333
Gm19	45021771	45022059	Gmdrm	hypo	CG	-0.76
Gm19	45022312	45022557	Gmdrm	hypo	CG	-0.613
Gm19	45031749	45031975	Gmdrm	hypo	CG	-0.8157
Gm19	45051876	45052006	Gmdrm	hypo	CG	-0.2367
Gm19	45057740	45057831	Gmdrm	hypo	CG	-0.635
Gm19	45064822	45064912	Gmdrm	hypo	CG	-0.13
Gm19	45074872	45074982	Gmdrm	hypo	CG	-0.0383
Gm19	45123593	45123978	Gmdrm	hypo	CG	-0.6817
Gm19	45132119	45132248	Gmdrm	hypo	CG	-0.0569
Gm19	45132403	45132604	Gmdrm	hypo	CG	-0.3063
Gm19	45132833	45132977	Gmdrm	hypo	CG	-0.089
Gm19	45164085	45164378	Gmdrm	hypo	CG	-0.031
Gm19	45171683	45171913	Gmdrm	hypo	CG	-0.724
Gm19	45184542	45184657	Gmdrm	hypo	CG	-0.2728
Gm19	45204796	45204959	Gmdrm	hypo	CG	-0.0543
Gm19	45205093	45205205	Gmdrm	hypo	CG	-0.895
Gm19	45218129	45218246	Gmdrm	hypo	CG	-0.952
Gm19	45273195	45273277	Gmdrm	hypo	CG	-0.47
Gm19	45276263	45276378	Gmdrm	hypo	CG	-0.948
Gm19	45281664	45281852	Gmdrm	hypo	CG	-0.8666
Gm19	45313473	45313622	Gmdrm	hypo	CG	-0.4867

Gm19	45317980	45318164	Gmdrm	hypo	CG	-0.058
Gm19	45366035	45366219	Gmdrm	hypo	CG	-0.6075
Gm19	45384617	45385264	Gmdrm	hypo	CG	-0.85
Gm19	45404435	45404570	Gmdrm	hypo	CG	-0.7929
Gm19	45425177	45425565	Gmdrm	hypo	CG	-0.0275
Gm19	45447144	45447273	Gmdrm	hypo	CG	-0.0645
Gm19	45447682	45447722	Gmdrm	hypo	CG	-0.165
Gm19	45463941	45464097	Gmdrm	hypo	CG	-0.8671
Gm19	45523790	45523948	Gmdrm	hypo	CG	-0.627
Gm19	45575043	45575242	Gmdrm	hypo	CG	-0.2835
Gm19	45576995	45577197	Gmdrm	hypo	CG	-0.449
Gm19	45599512	45599609	Gmdrm	hypo	CG	-0.042
Gm19	45606880	45606938	Gmdrm	hypo	CG	-0.2538
Gm19	45608797	45608998	Gmdrm	hypo	CG	-0.35
Gm19	45643053	45643400	Gmdrm	hypo	CG	-0.0414
Gm19	45679118	45679308	Gmdrm	hypo	CG	-0.7
Gm19	45704734	45704830	Gmdrm	hypo	CG	-0.34
Gm19	45709601	45709645	Gmdrm	hypo	CG	-0.89
Gm19	45724520	45724728	Gmdrm	hypo	CG	-0.2153
Gm19	45781092	45781160	Gmdrm	hypo	CG	-0.9049
Gm19	45790793	45791276	Gmdrm	hypo	CG	-0.874
Gm19	45791379	45791437	Gmdrm	hypo	CG	-0.5737
Gm19	45800611	45800768	Gmdrm	hypo	CG	-0.348
Gm19	45801454	45801730	Gmdrm	hypo	CG	-0.1134
Gm19	45814182	45814345	Gmdrm	hypo	CG	-0.8701
Gm19	45821426	45821809	Gmdrm	hypo	CG	-0.8775
Gm19	45822305	45822792	Gmdrm	hypo	CG	-0.8266
Gm19	45841496	45841654	Gmdrm	hypo	CG	-0.7383
Gm19	45882220	45882325	Gmdrm	hypo	CG	-0.5129
Gm19	45889173	45889253	Gmdrm	hypo	CG	-0.8699
Gm19	45896836	45896986	Gmdrm	hypo	CG	-0.7114
Gm19	45897641	45897881	Gmdrm	hypo	CG	-0.665
Gm19	45917040	45917167	Gmdrm	hypo	CG	-0.857
Gm19	45917376	45917479	Gmdrm	hypo	CG	-0.572
Gm19	45938189	45938260	Gmdrm	hypo	CG	-0.076
Gm19	45945471	45945756	Gmdrm	hypo	CG	-0.5028
Gm19	45947839	45947877	Gmdrm	hypo	CG	-0.1649
Gm19	45964780	45965054	Gmdrm	hypo	CG	-0.6525
Gm19	45986112	45986559	Gmdrm	hypo	CG	-0.2403
Gm19	46005477	46005695	Gmdrm	hypo	CG	-0.66
Gm19	46005796	46005964	Gmdrm	hypo	CG	-0.5267
Gm19	46006554	46006798	Gmdrm	hypo	CG	-0.5775
Gm19	46012270	46012533	Gmdrm	hypo	CG	-0.5462
Gm19	46023021	46023171	Gmdrm	hypo	CG	-0.9467
Gm19	46034438	46034513	Gmdrm	hypo	CG	-0.5292
Gm19	46043193	46043244	Gmdrm	hypo	CG	-0.05

Gm19	46087178	46087364	Gmdrm	hypo	CG	-0.7645
Gm19	46087955	46088222	Gmdrm	hypo	CG	-0.4177
Gm19	46090041	46090246	Gmdrm	hypo	CG	-0.855
Gm19	46123847	46124095	Gmdrm	hypo	CG	-0.042
Gm19	46126800	46127054	Gmdrm	hypo	CG	-0.3033
Gm19	46131877	46132090	Gmdrm	hypo	CG	-0.2981
Gm19	46137049	46137218	Gmdrm	hypo	CG	-0.054
Gm19	46157105	46157607	Gmdrm	hypo	CG	-0.7231
Gm19	46170933	46171177	Gmdrm	hypo	CG	-0.9482
Gm19	46173990	46174139	Gmdrm	hypo	CG	-0.602
Gm19	46180673	46180914	Gmdrm	hypo	CG	-0.6605
Gm19	46181061	46181244	Gmdrm	hypo	CG	-0.9367
Gm19	46181367	46181458	Gmdrm	hypo	CG	-0.116
Gm19	46196179	46196676	Gmdrm	hypo	CG	-0.0559
Gm19	46198798	46199283	Gmdrm	hypo	CG	-0.3106
Gm19	46199847	46200103	Gmdrm	hypo	CG	-0.046
Gm19	46210113	46210266	Gmdrm	hypo	CG	-0.308
Gm19	46228381	46228620	Gmdrm	hypo	CG	-0.43
Gm19	46228729	46228909	Gmdrm	hypo	CG	-0.8307
Gm19	46243937	46244594	Gmdrm	hypo	CG	-0.8639
Gm19	46280759	46280800	Gmdrm	hypo	CG	-0.805
Gm19	46303190	46303373	Gmdrm	hypo	CG	-0.3644
Gm19	46303485	46303992	Gmdrm	hypo	CG	-0.2284
Gm19	46304193	46304422	Gmdrm	hypo	CG	-0.8879
Gm19	46311896	46312128	Gmdrm	hypo	CG	-0.648
Gm19	46314027	46314379	Gmdrm	hypo	CG	-0.0863
Gm19	46316087	46316250	Gmdrm	hypo	CG	-0.3062
Gm19	46336348	46336489	Gmdrm	hypo	CG	-0.04
Gm19	46360727	46360930	Gmdrm	hypo	CG	-0.3313
Gm19	46365209	46365321	Gmdrm	hypo	CG	-0.9437
Gm19	46377464	46377567	Gmdrm	hypo	CG	-0.8333
Gm19	46404294	46404841	Gmdrm	hypo	CG	-0.3031
Gm19	46409625	46409811	Gmdrm	hypo	CG	-0.04
Gm19	46420478	46420688	Gmdrm	hypo	CG	-0.065
Gm19	46484485	46484575	Gmdrm	hypo	CG	-0.872
Gm19	46549825	46549974	Gmdrm	hypo	CG	-0.7242
Gm19	46550614	46550865	Gmdrm	hypo	CG	-0.225
Gm19	46560519	46560665	Gmdrm	hypo	CG	-0.6066
Gm19	46565231	46565311	Gmdrm	hypo	CG	-0.845
Gm19	46583500	46583852	Gmdrm	hypo	CG	-0.8614
Gm19	46592055	46592286	Gmdrm	hypo	CG	-0.0786
Gm19	46629386	46629481	Gmdrm	hypo	CG	-0.9362
Gm19	46631807	46632182	Gmdrm	hypo	CG	-0.122
Gm19	46633426	46633531	Gmdrm	hypo	CG	-0.8862
Gm19	46642808	46642925	Gmdrm	hypo	CG	-0.38
Gm19	46666038	46666449	Gmdrm	hypo	CG	-0.7

Gm19	46704103	46704362	Gmdrm	hypo	CG	-0.0383
Gm19	46708099	46708222	Gmdrm	hypo	CG	-0.848
Gm19	46718353	46718663	Gmdrm	hypo	CG	-0.6016
Gm19	46753766	46754086	Gmdrm	hypo	CG	-0.6017
Gm19	46754246	46754524	Gmdrm	hypo	CG	-0.1325
Gm19	46785638	46785867	Gmdrm	hypo	CG	-0.7107
Gm19	46786208	46786328	Gmdrm	hypo	CG	-0.68
Gm19	46786459	46786602	Gmdrm	hypo	CG	-0.4016
Gm19	46829320	46829374	Gmdrm	hypo	CG	-0.555
Gm19	46830564	46830649	Gmdrm	hypo	CG	-0.93
Gm19	46848643	46848693	Gmdrm	hypo	CG	-0.612
Gm19	46850935	46850994	Gmdrm	hypo	CG	-0.774
Gm19	46859129	46859325	Gmdrm	hypo	CG	-0.799
Gm19	46859460	46859505	Gmdrm	hypo	CG	-0.624
Gm19	46864310	46864820	Gmdrm	hypo	CG	-0.4857
Gm19	46866122	46866312	Gmdrm	hypo	CG	-0.05
Gm19	46867264	46867620	Gmdrm	hypo	CG	-0.6659
Gm19	46888375	46888579	Gmdrm	hypo	CG	-0.1578
Gm19	46940679	46940806	Gmdrm	hypo	CG	-0.625
Gm19	46946026	46946150	Gmdrm	hypo	CG	-0.9662
Gm19	46947234	46947849	Gmdrm	hypo	CG	-0.4242
Gm19	47014689	47014775	Gmdrm	hypo	CG	-0.875
Gm19	47028175	47028233	Gmdrm	hypo	CG	-0.133
Gm19	47028446	47028479	Gmdrm	hypo	CG	-0.7434
Gm19	47030897	47031148	Gmdrm	hypo	CG	-0.0291
Gm19	47051222	47051477	Gmdrm	hypo	CG	-0.4288
Gm19	47062335	47062498	Gmdrm	hypo	CG	-0.0727
Gm19	47063354	47063504	Gmdrm	hypo	CG	-0.1279
Gm19	47080548	47080890	Gmdrm	hypo	CG	-0.0346
Gm19	47090156	47090200	Gmdrm	hypo	CG	-0.76
Gm19	47101164	47101287	Gmdrm	hypo	CG	-0.8481
Gm19	47113893	47114082	Gmdrm	hypo	CG	-0.4533
Gm19	47123148	47123259	Gmdrm	hypo	CG	-0.8775
Gm19	47130786	47130888	Gmdrm	hypo	CG	-0.7013
Gm19	47141257	47141373	Gmdrm	hypo	CG	-0.48
Gm19	47142218	47142300	Gmdrm	hypo	CG	-0.7767
Gm19	47172139	47172203	Gmdrm	hypo	CG	-0.6267
Gm19	47188132	47188418	Gmdrm	hypo	CG	-0.8947
Gm19	47206259	47206561	Gmdrm	hypo	CG	-0.5742
Gm19	47206845	47207071	Gmdrm	hypo	CG	-0.2325
Gm19	47207270	47207548	Gmdrm	hypo	CG	-0.7971
Gm19	47215684	47215740	Gmdrm	hypo	CG	-0.7367
Gm19	47215844	47216222	Gmdrm	hypo	CG	-0.4184
Gm19	47216648	47216943	Gmdrm	hypo	CG	-0.5094
Gm19	47223076	47223165	Gmdrm	hypo	CG	-0.8825
Gm19	47225127	47225231	Gmdrm	hypo	CG	-0.375

Gm19	47226310	47226425	Gmdrm	hypo	CG	-0.199
Gm19	47251803	47252229	Gmdrm	hypo	CG	-0.0394
Gm19	47261571	47261829	Gmdrm	hypo	CG	-0.4441
Gm19	47263191	47263280	Gmdrm	hypo	CG	-0.86
Gm19	47289292	47289325	Gmdrm	hypo	CG	-0.52
Gm19	47295160	47295949	Gmdrm	hypo	CG	-0.093
Gm19	47314969	47315292	Gmdrm	hypo	CG	-0.1923
Gm19	47317580	47317755	Gmdrm	hypo	CG	-0.5845
Gm19	47323219	47323420	Gmdrm	hypo	CG	-0.7609
Gm19	47329685	47329880	Gmdrm	hypo	CG	-0.7646
Gm19	47359253	47359346	Gmdrm	hypo	CG	-0.62
Gm19	47359797	47359901	Gmdrm	hypo	CG	-0.7175
Gm19	47396277	47396369	Gmdrm	hypo	CG	-0.6959
Gm19	47396487	47396585	Gmdrm	hypo	CG	-0.6737
Gm19	47419507	47419781	Gmdrm	hypo	CG	-0.0872
Gm19	47422428	47422766	Gmdrm	hypo	CG	-0.2187
Gm19	47468340	47468397	Gmdrm	hypo	CG	-0.964
Gm19	47477602	47477620	Gmdrm	hypo	CG	-0.32
Gm19	47484952	47484997	Gmdrm	hypo	CG	-0.2733
Gm19	47485573	47485607	Gmdrm	hypo	CG	-0.1184
Gm19	47486006	47486100	Gmdrm	hypo	CG	-0.0717
Gm19	47490445	47490530	Gmdrm	hypo	CG	-0.6216
Gm19	47490661	47490925	Gmdrm	hypo	CG	-0.8737
Gm19	47491818	47491980	Gmdrm	hypo	CG	-0.8913
Gm19	47493330	47493628	Gmdrm	hypo	CG	-0.595
Gm19	47508484	47508694	Gmdrm	hypo	CG	-0.6583
Gm19	47526293	47526688	Gmdrm	hypo	CG	-0.6094
Gm19	47558107	47558270	Gmdrm	hypo	CG	-0.8025
Gm19	47558873	47558986	Gmdrm	hypo	CG	-0.953
Gm19	47569997	47570047	Gmdrm	hypo	CG	-0.976
Gm19	47578832	47578951	Gmdrm	hypo	CG	-0.2385
Gm19	47605255	47605363	Gmdrm	hypo	CG	-0.036
Gm19	47647422	47647515	Gmdrm	hypo	CG	-0.48
Gm19	47681038	47681264	Gmdrm	hypo	CG	-0.8569
Gm19	47694395	47694495	Gmdrm	hypo	CG	-0.6234
Gm19	47694877	47694991	Gmdrm	hypo	CG	-0.793
Gm19	47712473	47712781	Gmdrm	hypo	CG	-0.7068
Gm19	47712992	47713139	Gmdrm	hypo	CG	-0.9371
Gm19	47749523	47749683	Gmdrm	hypo	CG	-0.0617
Gm19	47783547	47783622	Gmdrm	hypo	CG	-0.1557
Gm19	47806496	47806644	Gmdrm	hypo	CG	-0.6925
Gm19	47837628	47837795	Gmdrm	hypo	CG	-0.64
Gm19	47839004	47839329	Gmdrm	hypo	CG	-0.2983
Gm19	47839753	47839836	Gmdrm	hypo	CG	-0.445
Gm19	47857273	47857448	Gmdrm	hypo	CG	-0.0383
Gm19	47862474	47862566	Gmdrm	hypo	CG	-0.66

Gm19	47892037	47892130	Gmdrm	hypo	CG	-0.9334
Gm19	47892642	47892705	Gmdrm	hypo	CG	-0.5917
Gm19	47895305	47895597	Gmdrm	hypo	CG	-0.756
Gm19	47896525	47896603	Gmdrm	hypo	CG	-0.801
Gm19	47926193	47926399	Gmdrm	hypo	CG	-0.04
Gm19	47926508	47926908	Gmdrm	hypo	CG	-0.678
Gm19	47927270	47927853	Gmdrm	hypo	CG	-0.3453
Gm19	47946058	47946354	Gmdrm	hypo	CG	-0.794
Gm19	47947868	47948093	Gmdrm	hypo	CG	-0.9456
Gm19	47959297	47959472	Gmdrm	hypo	CG	-0.9089
Gm19	47971580	47971724	Gmdrm	hypo	CG	-0.921
Gm19	47992791	47992830	Gmdrm	hypo	CG	-0.9512
Gm19	48009909	48010104	Gmdrm	hypo	CG	-0.9293
Gm19	48014049	48014196	Gmdrm	hypo	CG	-0.876
Gm19	48014540	48014708	Gmdrm	hypo	CG	-0.5222
Gm19	48058878	48059005	Gmdrm	hypo	CG	-0.044
Gm19	48078159	48078245	Gmdrm	hypo	CG	-0.906
Gm19	48106425	48106651	Gmdrm	hypo	CG	-0.893
Gm19	48110576	48110748	Gmdrm	hypo	CG	-0.0375
Gm19	48111411	48111431	Gmdrm	hypo	CG	-0.1229
Gm19	48111813	48111989	Gmdrm	hypo	CG	-0.9025
Gm19	48117150	48117262	Gmdrm	hypo	CG	-0.4186
Gm19	48118476	48118638	Gmdrm	hypo	CG	-0.439
Gm19	48120410	48120687	Gmdrm	hypo	CG	-0.866
Gm19	48127493	48127587	Gmdrm	hypo	CG	-0.9183
Gm19	48137286	48137336	Gmdrm	hypo	CG	-0.8438
Gm19	48149441	48149504	Gmdrm	hypo	CG	-0.7
Gm19	48156384	48156459	Gmdrm	hypo	CG	-0.745
Gm19	48165929	48166331	Gmdrm	hypo	CG	-0.7528
Gm19	48167292	48167694	Gmdrm	hypo	CG	-0.7571
Gm19	48173398	48173472	Gmdrm	hypo	CG	-0.9343
Gm19	48174268	48174338	Gmdrm	hypo	CG	-0.9333
Gm19	48176215	48176860	Gmdrm	hypo	CG	-0.6212
Gm19	48200355	48200464	Gmdrm	hypo	CG	-0.5213
Gm19	48213603	48213756	Gmdrm	hypo	CG	-0.539
Gm19	48250663	48251122	Gmdrm	hypo	CG	-0.6716
Gm19	48263361	48263456	Gmdrm	hypo	CG	-0.3758
Gm19	48263565	48263822	Gmdrm	hypo	CG	-0.4734
Gm19	48270299	48270454	Gmdrm	hypo	CG	-0.6633
Gm19	48280000	48280140	Gmdrm	hypo	CG	-0.4367
Gm19	48315512	48315623	Gmdrm	hypo	CG	-0.4284
Gm19	48330793	48330967	Gmdrm	hypo	CG	-0.2589
Gm19	48349697	48349731	Gmdrm	hypo	CG	-0.5783
Gm19	48355213	48355269	Gmdrm	hypo	CG	-0.6033
Gm19	48361886	48362283	Gmdrm	hypo	CG	-0.3488
Gm19	48362911	48362981	Gmdrm	hypo	CG	-0.7438

Gm19	48390276	48390560 Gmdrm	hypo	CG	-0.1117
Gm19	48390811	48390915 Gmdrm	hypo	CG	-0.0765
Gm19	48420041	48420180 Gmdrm	hypo	CG	-0.6036
Gm19	48420293	48420802 Gmdrm	hypo	CG	-0.6663
Gm19	48420919	48420965 Gmdrm	hypo	CG	-0.6466
Gm19	48433275	48433416 Gmdrm	hypo	CG	-0.9163
Gm19	48451236	48451367 Gmdrm	hypo	CG	-0.1838
Gm19	48483600	48483726 Gmdrm	hypo	CG	-0.9192
Gm19	48498690	48498803 Gmdrm	hypo	CG	-0.875
Gm19	48508202	48508322 Gmdrm	hypo	CG	-0.3075
Gm19	48517737	48517820 Gmdrm	hypo	CG	-0.7475
Gm19	48533283	48533378 Gmdrm	hypo	CG	-0.042
Gm19	48538563	48538659 Gmdrm	hypo	CG	-0.5617
Gm19	48550647	48550917 Gmdrm	hypo	CG	-0.8193
Gm19	48551074	48551114 Gmdrm	hypo	CG	-0.11
Gm19	48565447	48565718 Gmdrm	hypo	CG	-0.0867
Gm19	48571140	48571281 Gmdrm	hypo	CG	-0.1521
Gm19	48592753	48592839 Gmdrm	hypo	CG	-0.5667
Gm19	48603983	48604305 Gmdrm	hypo	CG	-0.535
Gm19	48604857	48605206 Gmdrm	hypo	CG	-0.6169
Gm19	48636625	48637048 Gmdrm	hypo	CG	-0.9033
Gm19	48641971	48642275 Gmdrm	hypo	CG	-0.8941
Gm19	48644581	48644649 Gmdrm	hypo	CG	-0.8212
Gm19	48658687	48658986 Gmdrm	hypo	CG	-0.4092
Gm19	48674352	48674648 Gmdrm	hypo	CG	-0.3926
Gm19	48683171	48683294 Gmdrm	hypo	CG	-0.494
Gm19	48702728	48703189 Gmdrm	hypo	CG	-0.6937
Gm19	48704216	48704522 Gmdrm	hypo	CG	-0.8167
Gm19	48718733	48718775 Gmdrm	hypo	CG	-0.3367
Gm19	48719924	48719975 Gmdrm	hypo	CG	-0.6313
Gm19	48738122	48738147 Gmdrm	hypo	CG	-0.738
Gm19	48752244	48752379 Gmdrm	hypo	CG	-0.95
Gm19	48752526	48752660 Gmdrm	hypo	CG	-0.5012
Gm19	48756567	48756650 Gmdrm	hypo	CG	-0.7367
Gm19	48762151	48762184 Gmdrm	hypo	CG	-0.3217
Gm19	48783266	48783696 Gmdrm	hypo	CG	-0.3348
Gm19	48784154	48784201 Gmdrm	hypo	CG	-0.8533
Gm19	48797082	48797177 Gmdrm	hypo	CG	-0.0838
Gm19	48797279	48797356 Gmdrm	hypo	CG	-0.106
Gm19	48797643	48797894 Gmdrm	hypo	CG	-0.09
Gm19	48798283	48798384 Gmdrm	hypo	CG	-0.8934
Gm19	48835472	48835570 Gmdrm	hypo	CG	-0.0292
Gm19	48838756	48838904 Gmdrm	hypo	CG	-0.1375
Gm19	48839083	48839266 Gmdrm	hypo	CG	-0.1234
Gm19	48850261	48850328 Gmdrm	hypo	CG	-0.044
Gm19	48863960	48864099 Gmdrm	hypo	CG	-0.575

Gm19	48868120	48868205	Gmdrm	hypo	CG	-0.8
Gm19	48868967	48869199	Gmdrm	hypo	CG	-0.5152
Gm19	48869392	48869554	Gmdrm	hypo	CG	-0.06
Gm19	48872924	48873036	Gmdrm	hypo	CG	-0.042
Gm19	48897677	48897772	Gmdrm	hypo	CG	-0.0357
Gm19	48897910	48898222	Gmdrm	hypo	CG	-0.058
Gm19	48909373	48909494	Gmdrm	hypo	CG	-0.2808
Gm19	48909639	48909755	Gmdrm	hypo	CG	-0.425
Gm19	48910317	48910721	Gmdrm	hypo	CG	-0.6772
Gm19	48911581	48911678	Gmdrm	hypo	CG	-0.8167
Gm19	48919064	48919186	Gmdrm	hypo	CG	-0.8562
Gm19	48937396	48937456	Gmdrm	hypo	CG	-0.6183
Gm19	48957366	48957596	Gmdrm	hypo	CG	-0.5456
Gm19	48958231	48958396	Gmdrm	hypo	CG	-0.62
Gm19	48958584	48958633	Gmdrm	hypo	CG	-0.4617
Gm19	48995735	48995765	Gmdrm	hypo	CG	-0.95
Gm19	48998596	48998739	Gmdrm	hypo	CG	-0.0513
Gm19	49050364	49050604	Gmdrm	hypo	CG	-0.0796
Gm19	49051126	49051228	Gmdrm	hypo	CG	-0.577
Gm19	49051635	49051848	Gmdrm	hypo	CG	-0.0383
Gm19	49069623	49069794	Gmdrm	hypo	CG	-0.87
Gm19	49074326	49074503	Gmdrm	hypo	CG	-0.7459
Gm19	49081271	49082020	Gmdrm	hypo	CG	-0.0717
Gm19	49082156	49082221	Gmdrm	hypo	CG	-0.565
Gm19	49093818	49093858	Gmdrm	hypo	CG	-0.5583
Gm19	49094167	49094351	Gmdrm	hypo	CG	-0.844
Gm19	49100811	49100918	Gmdrm	hypo	CG	-0.5487
Gm19	49112870	49113162	Gmdrm	hypo	CG	-0.4319
Gm19	49170163	49170429	Gmdrm	hypo	CG	-0.6167
Gm19	49179418	49179545	Gmdrm	hypo	CG	-0.5428
Gm19	49180480	49180540	Gmdrm	hypo	CG	-0.5134
Gm19	49207921	49208126	Gmdrm	hypo	CG	-0.5384
Gm19	49208334	49208576	Gmdrm	hypo	CG	-0.4196
Gm19	49214293	49214425	Gmdrm	hypo	CG	-0.7966
Gm19	49253772	49253874	Gmdrm	hypo	CG	-0.175
Gm19	49261603	49261833	Gmdrm	hypo	CG	-0.8421
Gm19	49280625	49280867	Gmdrm	hypo	CG	-0.66
Gm19	49290420	49290478	Gmdrm	hypo	CG	-0.1125
Gm19	49291206	49291367	Gmdrm	hypo	CG	-0.7166
Gm19	49299511	49299555	Gmdrm	hypo	CG	-0.9717
Gm19	49307612	49307852	Gmdrm	hypo	CG	-0.6159
Gm19	49322451	49322527	Gmdrm	hypo	CG	-0.38
Gm19	49339543	49339719	Gmdrm	hypo	CG	-0.4034
Gm19	49393027	49393066	Gmdrm	hypo	CG	-0.8984
Gm19	49404443	49404649	Gmdrm	hypo	CG	-0.095
Gm19	49404856	49405189	Gmdrm	hypo	CG	-0.1151

Gm19	49405622	49405789	Gmdrm	hypo	CG	-0.119
Gm19	49414380	49414459	Gmdrm	hypo	CG	-0.7675
Gm19	49414971	49415266	Gmdrm	hypo	CG	-0.8106
Gm19	49418802	49419032	Gmdrm	hypo	CG	-0.5141
Gm19	49433832	49433858	Gmdrm	hypo	CG	-0.98
Gm19	49458557	49458847	Gmdrm	hypo	CG	-0.0282
Gm19	49528822	49529081	Gmdrm	hypo	CG	-0.6319
Gm19	49563722	49563789	Gmdrm	hypo	CG	-0.525
Gm19	49564163	49564266	Gmdrm	hypo	CG	-0.8284
Gm19	49572704	49572999	Gmdrm	hypo	CG	-0.5423
Gm19	49629042	49629201	Gmdrm	hypo	CG	-0.5546
Gm19	49657375	49657568	Gmdrm	hypo	CG	-0.3112
Gm19	49660308	49660602	Gmdrm	hypo	CG	-0.0767
Gm19	49709228	49709536	Gmdrm	hypo	CG	-0.61
Gm19	49709832	49710077	Gmdrm	hypo	CG	-0.8022
Gm19	49711737	49711912	Gmdrm	hypo	CG	-0.9362
Gm19	49712353	49712359	Gmdrm	hypo	CG	-0.875
Gm19	49720851	49720947	Gmdrm	hypo	CG	-0.8558
Gm19	49743143	49743305	Gmdrm	hypo	CG	-0.5164
Gm19	49744432	49744576	Gmdrm	hypo	CG	-0.3438
Gm19	49745903	49746236	Gmdrm	hypo	CG	-0.6345
Gm19	49746368	49746497	Gmdrm	hypo	CG	-0.6283
Gm19	49746659	49746701	Gmdrm	hypo	CG	-0.62
Gm19	49782271	49782484	Gmdrm	hypo	CG	-0.5814
Gm19	49783471	49783548	Gmdrm	hypo	CG	-0.7525
Gm19	49785314	49785488	Gmdrm	hypo	CG	-0.044
Gm19	49804611	49804720	Gmdrm	hypo	CG	-0.36
Gm19	49814826	49814846	Gmdrm	hypo	CG	-0.688
Gm19	49821808	49821851	Gmdrm	hypo	CG	-0.9637
Gm19	49840777	49840793	Gmdrm	hypo	CG	-0.9067
Gm19	49840981	49841146	Gmdrm	hypo	CG	-0.9425
Gm19	49846598	49846759	Gmdrm	hypo	CG	-0.5633
Gm19	49866850	49866988	Gmdrm	hypo	CG	-0.3325
Gm19	49890242	49890329	Gmdrm	hypo	CG	-0.8434
Gm19	49894413	49894646	Gmdrm	hypo	CG	-0.286
Gm19	49928246	49928379	Gmdrm	hypo	CG	-0.8425
Gm19	49946095	49946137	Gmdrm	hypo	CG	-0.3967
Gm19	49961294	49961321	Gmdrm	hypo	CG	-0.8487
Gm19	49961500	49961740	Gmdrm	hypo	CG	-0.6388
Gm19	49964892	49965004	Gmdrm	hypo	CG	-0.9612
Gm19	50005202	50005327	Gmdrm	hypo	CG	-0.5367
Gm19	50007271	50007311	Gmdrm	hypo	CG	-0.9417
Gm19	50026072	50026146	Gmdrm	hypo	CG	-0.0586
Gm19	50033563	50033703	Gmdrm	hypo	CG	-0.9575
Gm19	50034344	50034634	Gmdrm	hypo	CG	-0.0384
Gm19	50047424	50047739	Gmdrm	hypo	CG	-0.205

Gm19	50062162	50062300	Gmdrm	hypo	CG	-0.4933
Gm19	50071402	50071643	Gmdrm	hypo	CG	-0.4338
Gm19	50072013	50072214	Gmdrm	hypo	CG	-0.8279
Gm19	50088520	50088721	Gmdrm	hypo	CG	-0.935
Gm19	50089810	50089899	Gmdrm	hypo	CG	-0.475
Gm19	50098498	50098551	Gmdrm	hypo	CG	-0.06
Gm19	50122669	50122930	Gmdrm	hypo	CG	-0.8822
Gm19	50129036	50129084	Gmdrm	hypo	CG	-0.5617
Gm19	50135154	50135377	Gmdrm	hypo	CG	-0.062
Gm19	50137486	50137557	Gmdrm	hypo	CG	-0.64
Gm19	50141688	50142336	Gmdrm	hypo	CG	-0.4106
Gm19	50160407	50160510	Gmdrm	hypo	CG	-0.1153
Gm19	50160749	50160850	Gmdrm	hypo	CG	-0.5475
Gm19	50164947	50165020	Gmdrm	hypo	CG	-0.662
Gm19	50223028	50223168	Gmdrm	hypo	CG	-0.758
Gm19	50223305	50223665	Gmdrm	hypo	CG	-0.7082
Gm19	50224893	50224979	Gmdrm	hypo	CG	-0.06
Gm19	50239834	50240025	Gmdrm	hypo	CG	-0.9315
Gm19	50242114	50242248	Gmdrm	hypo	CG	-0.2623
Gm19	50242502	50242571	Gmdrm	hypo	CG	-0.8084
Gm19	50254428	50254485	Gmdrm	hypo	CG	-0.8533
Gm19	50268590	50268744	Gmdrm	hypo	CG	-0.1711
Gm19	50321468	50321559	Gmdrm	hypo	CG	-0.865
Gm19	50371029	50371185	Gmdrm	hypo	CG	-0.6386
Gm19	50371359	50371481	Gmdrm	hypo	CG	-0.8667
Gm19	50432405	50432548	Gmdrm	hypo	CG	-0.2075
Gm19	50433143	50433267	Gmdrm	hypo	CG	-0.6264
Gm19	50433802	50433950	Gmdrm	hypo	CG	-0.558
Gm19	50444475	50444652	Gmdrm	hypo	CG	-0.0429
Gm19	50481079	50481198	Gmdrm	hypo	CG	-0.2583
Gm19	50484229	50484253	Gmdrm	hypo	CG	-0.8717
Gm19	50484393	50484584	Gmdrm	hypo	CG	-0.4888
Gm19	50485915	50486189	Gmdrm	hypo	CG	-0.602
Gm19	50491853	50491945	Gmdrm	hypo	CG	-0.378
Gm19	50494847	50494926	Gmdrm	hypo	CG	-0.6444
Gm19	50496580	50496678	Gmdrm	hypo	CG	-0.7467
Gm19	50497006	50497103	Gmdrm	hypo	CG	-0.9757
Gm19	50528521	50528654	Gmdrm	hypo	CG	-0.5542
Gm19	50564370	50564471	Gmdrm	hypo	CG	-0.048
Gm19	50573828	50573903	Gmdrm	hypo	CG	-0.58
Gm19	50574110	50574257	Gmdrm	hypo	CG	-0.295
Gm19	50586225	50586344	Gmdrm	hypo	CG	-0.0617
Gm19	50589129	50589478	Gmdrm	hypo	CG	-0.6156
Gm19	50611678	50611785	Gmdrm	hypo	CG	-0.4
Gm19	50631361	50631444	Gmdrm	hypo	CG	-0.48
Gm19	50643410	50643642	Gmdrm	hypo	CG	-0.0214

Gm19	50661959	50662142	Gmdrm	hypo	CG	-0.05
Gm19	50670609	50670725	Gmdrm	hypo	CG	-0.85
Gm19	50710702	50710812	Gmdrm	hypo	CG	-0.725
Gm19	50721394	50721918	Gmdrm	hypo	CG	-0.435
Gm19	50767776	50767967	Gmdrm	hypo	CG	-0.2057
Gm19	50769249	50769483	Gmdrm	hypo	CG	-0.0327
Gm19	50787519	50787769	Gmdrm	hypo	CG	-0.02
Gm19	50789012	50789068	Gmdrm	hypo	CG	-0.7525
Gm19	50792057	50792137	Gmdrm	hypo	CG	-0.5833
Gm19	50792715	50792847	Gmdrm	hypo	CG	-0.8885
Gm19	50801345	50801535	Gmdrm	hypo	CG	-0.6779
Gm19	50828158	50829081	Gmdrm	hypo	CG	-0.0392
Gm19	50829179	50829256	Gmdrm	hypo	CG	-0.4517
Gm19	50840682	50840808	Gmdrm	hypo	CG	-0.6783
Gm19	50858484	50858728	Gmdrm	hypo	CG	-0.7007
Gm19	50860662	50860759	Gmdrm	hypo	CG	-0.935
Gm19	50860921	50861033	Gmdrm	hypo	CG	-0.874
Gm19	50862631	50862809	Gmdrm	hypo	CG	-0.1214
Gm19	50863271	50863471	Gmdrm	hypo	CG	-0.1662
Gm19	50873246	50873333	Gmdrm	hypo	CG	-0.0975
Gm19	50928449	50928604	Gmdrm	hypo	CG	-0.4875
Gm19	50930711	50930955	Gmdrm	hypo	CG	-0.0821
Gm19	50967481	50967596	Gmdrm	hypo	CG	-0.215
Gm19	50967698	50967832	Gmdrm	hypo	CG	-0.15
Gm19	50967965	50967996	Gmdrm	hypo	CG	-0.1625
Gm19	50996998	50997199	Gmdrm	hypo	CG	-0.0317
Gm19	50999568	50999659	Gmdrm	hypo	CG	-0.648
Gm19	50999787	51000017	Gmdrm	hypo	CG	-0.49
Gm19	51000677	51000964	Gmdrm	hypo	CG	-0.5185
Gm19	51041872	51042101	Gmdrm	hypo	CG	-0.7055
Gm19	51053759	51054139	Gmdrm	hypo	CG	-0.5207
Gm19	51063136	51063322	Gmdrm	hypo	CG	-0.2345
Gm19	51076743	51076775	Gmdrm	hypo	CG	-0.843
Gm19	51076979	51077047	Gmdrm	hypo	CG	-0.855
Gm19	51077338	51077469	Gmdrm	hypo	CG	-0.6317
Gm19	51086368	51086486	Gmdrm	hypo	CG	-0.035
Gm19	51087000	51087283	Gmdrm	hypo	CG	-0.0228
Gm19	51092502	51092706	Gmdrm	hypo	CG	-0.8109
Gm19	51111981	51112028	Gmdrm	hypo	CG	-0.6566
Gm19	51112254	51112567	Gmdrm	hypo	CG	-0.5507
Gm19	51154169	51154251	Gmdrm	hypo	CG	-0.5966
Gm19	51170704	51170854	Gmdrm	hypo	CG	-0.0733
Gm19	51185653	51185893	Gmdrm	hypo	CG	-0.5637
Gm19	51185999	51186104	Gmdrm	hypo	CG	-0.885
Gm19	51232759	51232937	Gmdrm	hypo	CG	-0.8107
Gm19	51233158	51233217	Gmdrm	hypo	CG	-0.1783

Gm19	51236420	51236686	Gmdrm	hypo	CG	-0.7205
Gm19	51240140	51240223	Gmdrm	hypo	CG	-0.4934
Gm19	51241908	51242121	Gmdrm	hypo	CG	-0.5345
Gm19	51262429	51262546	Gmdrm	hypo	CG	-0.8243
Gm19_scaffol	744	854	Gmdrm	hypo	CG	-0.46
Gm20	27067	27375	Gmdrm	hypo	CG	-0.0463
Gm20	30376	30687	Gmdrm	hypo	CG	-0.1367
Gm20	114321	114403	Gmdrm	hypo	CG	-0.784
Gm20	166916	167116	Gmdrm	hypo	CG	-0.6343
Gm20	167617	167762	Gmdrm	hypo	CG	-0.0938
Gm20	168005	168105	Gmdrm	hypo	CG	-0.5309
Gm20	197592	197774	Gmdrm	hypo	CG	-0.4322
Gm20	198304	198336	Gmdrm	hypo	CG	-0.5184
Gm20	202151	202412	Gmdrm	hypo	CG	-0.382
Gm20	203628	203763	Gmdrm	hypo	CG	-0.12
Gm20	204017	204082	Gmdrm	hypo	CG	-0.1662
Gm20	221190	221356	Gmdrm	hypo	CG	-0.7
Gm20	221517	221637	Gmdrm	hypo	CG	-0.694
Gm20	270166	270219	Gmdrm	hypo	CG	-0.77
Gm20	270891	270960	Gmdrm	hypo	CG	-0.9533
Gm20	282989	283150	Gmdrm	hypo	CG	-0.072
Gm20	283508	283708	Gmdrm	hypo	CG	-0.6513
Gm20	303137	303199	Gmdrm	hypo	CG	-0.36
Gm20	412678	412918	Gmdrm	hypo	CG	-0.7975
Gm20	445624	445765	Gmdrm	hypo	CG	-0.7875
Gm20	467702	467819	Gmdrm	hypo	CG	-0.1575
Gm20	467952	468183	Gmdrm	hypo	CG	-0.1348
Gm20	482043	482102	Gmdrm	hypo	CG	-0.43
Gm20	485786	485856	Gmdrm	hypo	CG	-0.9216
Gm20	502457	502658	Gmdrm	hypo	CG	-0.7145
Gm20	516460	516561	Gmdrm	hypo	CG	-0.654
Gm20	538261	538410	Gmdrm	hypo	CG	-0.0471
Gm20	538634	538770	Gmdrm	hypo	CG	-0.96
Gm20	541674	541817	Gmdrm	hypo	CG	-0.614
Gm20	552292	552399	Gmdrm	hypo	CG	-0.96
Gm20	608098	608276	Gmdrm	hypo	CG	-0.5478
Gm20	615957	616358	Gmdrm	hypo	CG	-0.5539
Gm20	647135	647279	Gmdrm	hypo	CG	-0.542
Gm20	648467	648536	Gmdrm	hypo	CG	-0.169
Gm20	672174	672266	Gmdrm	hypo	CG	-0.15
Gm20	701899	701920	Gmdrm	hypo	CG	-0.8433
Gm20	710492	710567	Gmdrm	hypo	CG	-0.9151
Gm20	712181	712449	Gmdrm	hypo	CG	-0.8449
Gm20	733796	733873	Gmdrm	hypo	CG	-0.6667
Gm20	738424	738594	Gmdrm	hypo	CG	-0.55
Gm20	743234	743641	Gmdrm	hypo	CG	-0.2786

Gm20	755204	755352 Gmdrm	hypo	CG	-0.94
Gm20	764293	764535 Gmdrm	hypo	CG	-0.4271
Gm20	770006	770132 Gmdrm	hypo	CG	-0.5817
Gm20	789061	789210 Gmdrm	hypo	CG	-0.71
Gm20	789744	789850 Gmdrm	hypo	CG	-0.9067
Gm20	795003	795060 Gmdrm	hypo	CG	-0.131
Gm20	801154	801280 Gmdrm	hypo	CG	-0.156
Gm20	863549	863611 Gmdrm	hypo	CG	-0.7116
Gm20	870942	871087 Gmdrm	hypo	CG	-0.9612
Gm20	871263	871354 Gmdrm	hypo	CG	-0.6734
Gm20	897010	897048 Gmdrm	hypo	CG	-0.32
Gm20	901614	901804 Gmdrm	hypo	CG	-0.0716
Gm20	958918	959261 Gmdrm	hypo	CG	-0.6474
Gm20	959762	959877 Gmdrm	hypo	CG	-0.6837
Gm20	963391	963512 Gmdrm	hypo	CG	-0.6722
Gm20	967191	967298 Gmdrm	hypo	CG	-0.7299
Gm20	967873	968022 Gmdrm	hypo	CG	-0.6684
Gm20	985139	985168 Gmdrm	hypo	CG	-0.96
Gm20	1010484	1010523 Gmdrm	hypo	CG	-0.774
Gm20	1016759	1016795 Gmdrm	hypo	CG	-0.772
Gm20	1044207	1044421 Gmdrm	hypo	CG	-0.66
Gm20	1071100	1071379 Gmdrm	hypo	CG	-0.1341
Gm20	1096619	1097374 Gmdrm	hypo	CG	-0.1046
Gm20	1097880	1097967 Gmdrm	hypo	CG	-0.8507
Gm20	1144931	1145143 Gmdrm	hypo	CG	-0.614
Gm20	1198877	1198961 Gmdrm	hypo	CG	-0.4933
Gm20	1199791	1200000 Gmdrm	hypo	CG	-0.6718
Gm20	1201612	1201752 Gmdrm	hypo	CG	-0.94
Gm20	1205335	1205467 Gmdrm	hypo	CG	-0.855
Gm20	1205634	1205682 Gmdrm	hypo	CG	-0.75
Gm20	1215554	1215650 Gmdrm	hypo	CG	-0.7537
Gm20	1215768	1215849 Gmdrm	hypo	CG	-0.8013
Gm20	1217024	1217201 Gmdrm	hypo	CG	-0.142
Gm20	1217459	1217556 Gmdrm	hypo	CG	-0.1625
Gm20	1248778	1248993 Gmdrm	hypo	CG	-0.725
Gm20	1253082	1253277 Gmdrm	hypo	CG	-0.0489
Gm20	1260816	1261019 Gmdrm	hypo	CG	-0.1669
Gm20	1261150	1261268 Gmdrm	hypo	CG	-0.2017
Gm20	1261678	1261790 Gmdrm	hypo	CG	-0.2634
Gm20	1265235	1265781 Gmdrm	hypo	CG	-0.0926
Gm20	1267583	1267766 Gmdrm	hypo	CG	-0.9488
Gm20	1268410	1268456 Gmdrm	hypo	CG	-0.9434
Gm20	1268693	1268734 Gmdrm	hypo	CG	-0.9267
Gm20	1269258	1269357 Gmdrm	hypo	CG	-0.94
Gm20	1304950	1305096 Gmdrm	hypo	CG	-0.73
Gm20	1309701	1309861 Gmdrm	hypo	CG	-0.29

Gm20	1309973	1310086	Gmdrm	hypo	CG	-0.4457
Gm20	1324492	1324724	Gmdrm	hypo	CG	-0.828
Gm20	1328890	1329036	Gmdrm	hypo	CG	-0.878
Gm20	1334811	1334997	Gmdrm	hypo	CG	-0.0585
Gm20	1407869	1408052	Gmdrm	hypo	CG	-0.4743
Gm20	1408241	1408363	Gmdrm	hypo	CG	-0.3366
Gm20	1421136	1421283	Gmdrm	hypo	CG	-0.28
Gm20	1421957	1421998	Gmdrm	hypo	CG	-0.598
Gm20	1423047	1423091	Gmdrm	hypo	CG	-0.108
Gm20	1425730	1425891	Gmdrm	hypo	CG	-0.5466
Gm20	1426299	1426426	Gmdrm	hypo	CG	-0.35
Gm20	1427442	1427551	Gmdrm	hypo	CG	-0.385
Gm20	1427689	1427863	Gmdrm	hypo	CG	-0.4338
Gm20	1429003	1429132	Gmdrm	hypo	CG	-0.6057
Gm20	1429249	1429308	Gmdrm	hypo	CG	-0.824
Gm20	1438653	1438689	Gmdrm	hypo	CG	-0.245
Gm20	1557328	1557775	Gmdrm	hypo	CG	-0.0595
Gm20	1615317	1615470	Gmdrm	hypo	CG	-0.594
Gm20	1623490	1623682	Gmdrm	hypo	CG	-0.0386
Gm20	1686248	1686285	Gmdrm	hypo	CG	-0.215
Gm20	1694136	1694180	Gmdrm	hypo	CG	-0.505
Gm20	1730273	1730423	Gmdrm	hypo	CG	-0.4476
Gm20	1730570	1730637	Gmdrm	hypo	CG	-0.9283
Gm20	1731653	1731948	Gmdrm	hypo	CG	-0.6356
Gm20	1738152	1738366	Gmdrm	hypo	CG	-0.4615
Gm20	1742006	1742374	Gmdrm	hypo	CG	-0.5357
Gm20	1746077	1746423	Gmdrm	hypo	CG	-0.0477
Gm20	1746544	1746674	Gmdrm	hypo	CG	-0.222
Gm20	1765083	1765462	Gmdrm	hypo	CG	-0.6084
Gm20	1771109	1771360	Gmdrm	hypo	CG	-0.179
Gm20	1773156	1773205	Gmdrm	hypo	CG	-0.1975
Gm20	1773505	1773518	Gmdrm	hypo	CG	-0.215
Gm20	1785218	1785689	Gmdrm	hypo	CG	-0.206
Gm20	1785854	1785927	Gmdrm	hypo	CG	-0.254
Gm20	1792277	1792429	Gmdrm	hypo	CG	-0.028
Gm20	1800071	1800198	Gmdrm	hypo	CG	-0.0906
Gm20	1813576	1814099	Gmdrm	hypo	CG	-0.0708
Gm20	1815987	1816402	Gmdrm	hypo	CG	-0.3452
Gm20	1817231	1817384	Gmdrm	hypo	CG	-0.227
Gm20	1817500	1817858	Gmdrm	hypo	CG	-0.6422
Gm20	1822889	1823222	Gmdrm	hypo	CG	-0.0265
Gm20	1833431	1833453	Gmdrm	hypo	CG	-0.2867
Gm20	1834090	1834146	Gmdrm	hypo	CG	-0.045
Gm20	1835409	1835457	Gmdrm	hypo	CG	-0.09
Gm20	1865544	1865729	Gmdrm	hypo	CG	-0.71
Gm20	1871857	1872111	Gmdrm	hypo	CG	-0.7833

Gm20	1873564	1873714	Gmdrm	hypo	CG	-0.885
Gm20	1873860	1874049	Gmdrm	hypo	CG	-0.8523
Gm20	1876964	1877055	Gmdrm	hypo	CG	-0.602
Gm20	1893975	1894272	Gmdrm	hypo	CG	-0.2118
Gm20	1895806	1895831	Gmdrm	hypo	CG	-0.9583
Gm20	1896191	1896297	Gmdrm	hypo	CG	-0.3183
Gm20	1912781	1912948	Gmdrm	hypo	CG	-0.9563
Gm20	1922397	1922535	Gmdrm	hypo	CG	-0.644
Gm20	1934378	1934510	Gmdrm	hypo	CG	-0.827
Gm20	1935250	1935348	Gmdrm	hypo	CG	-0.9583
Gm20	1935451	1936005	Gmdrm	hypo	CG	-0.1688
Gm20	1959397	1959557	Gmdrm	hypo	CG	-0.6235
Gm20	1972118	1972339	Gmdrm	hypo	CG	-0.5557
Gm20	1980965	1981065	Gmdrm	hypo	CG	-0.05
Gm20	2020498	2020573	Gmdrm	hypo	CG	-0.14
Gm20	2021362	2021500	Gmdrm	hypo	CG	-0.9662
Gm20	2034086	2034135	Gmdrm	hypo	CG	-0.895
Gm20	2035326	2035853	Gmdrm	hypo	CG	-0.1694
Gm20	2047995	2048106	Gmdrm	hypo	CG	-0.9
Gm20	2078786	2078816	Gmdrm	hypo	CG	-0.0633
Gm20	2081330	2081622	Gmdrm	hypo	CG	-0.9104
Gm20	2087801	2088136	Gmdrm	hypo	CG	-0.8708
Gm20	2095035	2095128	Gmdrm	hypo	CG	-0.945
Gm20	2109225	2109405	Gmdrm	hypo	CG	-0.1767
Gm20	2123716	2123783	Gmdrm	hypo	CG	-0.21
Gm20	2129039	2129205	Gmdrm	hypo	CG	-0.8506
Gm20	2148146	2148340	Gmdrm	hypo	CG	-0.1922
Gm20	2155642	2155816	Gmdrm	hypo	CG	-0.9714
Gm20	2156177	2156370	Gmdrm	hypo	CG	-0.8413
Gm20	2156916	2157053	Gmdrm	hypo	CG	-0.41
Gm20	2158596	2158683	Gmdrm	hypo	CG	-0.3072
Gm20	2167056	2167110	Gmdrm	hypo	CG	-0.59
Gm20	2167264	2167459	Gmdrm	hypo	CG	-0.4415
Gm20	2181475	2181546	Gmdrm	hypo	CG	-0.7133
Gm20	2207544	2207779	Gmdrm	hypo	CG	-0.5314
Gm20	2207904	2208115	Gmdrm	hypo	CG	-0.828
Gm20	2245701	2246079	Gmdrm	hypo	CG	-0.2714
Gm20	2258107	2258163	Gmdrm	hypo	CG	-0.0588
Gm20	2264091	2264215	Gmdrm	hypo	CG	-0.772
Gm20	2292362	2292437	Gmdrm	hypo	CG	-0.85
Gm20	2306267	2306627	Gmdrm	hypo	CG	-0.6653
Gm20	2307313	2307551	Gmdrm	hypo	CG	-0.0333
Gm20	2324236	2324524	Gmdrm	hypo	CG	-0.314
Gm20	2334631	2334878	Gmdrm	hypo	CG	-0.592
Gm20	2338392	2338521	Gmdrm	hypo	CG	-0.0417
Gm20	2340916	2341014	Gmdrm	hypo	CG	-0.0466

Gm20	2363131	2363219	Gmdrm	hypo	CG	-0.8783
Gm20	2492740	2492953	Gmdrm	hypo	CG	-0.8543
Gm20	2494535	2494573	Gmdrm	hypo	CG	-0.926
Gm20	2594978	2594987	Gmdrm	hypo	CG	-0.475
Gm20	2601020	2601085	Gmdrm	hypo	CG	-0.7225
Gm20	2634750	2634902	Gmdrm	hypo	CG	-0.365
Gm20	2666447	2666692	Gmdrm	hypo	CG	-0.1273
Gm20	2708708	2709145	Gmdrm	hypo	CG	-0.1259
Gm20	2744781	2745103	Gmdrm	hypo	CG	-0.46
Gm20	2783126	2783225	Gmdrm	hypo	CG	-0.8017
Gm20	2793234	2793528	Gmdrm	hypo	CG	-0.412
Gm20	2799391	2799616	Gmdrm	hypo	CG	-0.1542
Gm20	2800400	2800433	Gmdrm	hypo	CG	-0.5033
Gm20	2802861	2803003	Gmdrm	hypo	CG	-0.208
Gm20	2803356	2803576	Gmdrm	hypo	CG	-0.1845
Gm20	2803681	2803782	Gmdrm	hypo	CG	-0.1433
Gm20	2807269	2807367	Gmdrm	hypo	CG	-0.9384
Gm20	2848755	2848887	Gmdrm	hypo	CG	-0.846
Gm20	2850493	2850871	Gmdrm	hypo	CG	-0.2058
Gm20	2878660	2878922	Gmdrm	hypo	CG	-0.3765
Gm20	2884211	2884363	Gmdrm	hypo	CG	-0.437
Gm20	2886086	2886129	Gmdrm	hypo	CG	-0.9733
Gm20	2892618	2892650	Gmdrm	hypo	CG	-0.7617
Gm20	2892763	2892830	Gmdrm	hypo	CG	-0.915
Gm20	2910143	2910214	Gmdrm	hypo	CG	-0.92
Gm20	2910326	2910575	Gmdrm	hypo	CG	-0.9608
Gm20	2916503	2916606	Gmdrm	hypo	CG	-0.81
Gm20	2916729	2916777	Gmdrm	hypo	CG	-0.925
Gm20	2917759	2917828	Gmdrm	hypo	CG	-0.8433
Gm20	2926473	2926593	Gmdrm	hypo	CG	-0.752
Gm20	2928013	2928107	Gmdrm	hypo	CG	-0.73
Gm20	2928217	2928293	Gmdrm	hypo	CG	-0.9734
Gm20	2984340	2984553	Gmdrm	hypo	CG	-0.16
Gm20	2985489	2985588	Gmdrm	hypo	CG	-0.9366
Gm20	2986909	2987281	Gmdrm	hypo	CG	-0.673
Gm20	2991545	2991643	Gmdrm	hypo	CG	-0.2834
Gm20	2992376	2992544	Gmdrm	hypo	CG	-0.1275
Gm20	2994924	2995034	Gmdrm	hypo	CG	-0.09
Gm20	2995379	2995555	Gmdrm	hypo	CG	-0.4128
Gm20	2995690	2995865	Gmdrm	hypo	CG	-0.2649
Gm20	2996461	2996639	Gmdrm	hypo	CG	-0.0333
Gm20	2998515	2998614	Gmdrm	hypo	CG	-0.4016
Gm20	3041805	3041877	Gmdrm	hypo	CG	-0.435
Gm20	3049773	3049889	Gmdrm	hypo	CG	-0.074
Gm20	3061339	3061592	Gmdrm	hypo	CG	-0.64
Gm20	3067208	3067315	Gmdrm	hypo	CG	-0.8

Gm20	3081833	3081970 Gmdrm	hypo	CG	-0.6516
Gm20	3095729	3095834 Gmdrm	hypo	CG	-0.2133
Gm20	3098850	3099062 Gmdrm	hypo	CG	-0.0357
Gm20	3100160	3100504 Gmdrm	hypo	CG	-0.08
Gm20	3108426	3108495 Gmdrm	hypo	CG	-0.6317
Gm20	3118607	3118777 Gmdrm	hypo	CG	-0.8388
Gm20	3135265	3135356 Gmdrm	hypo	CG	-0.1688
Gm20	3137346	3137394 Gmdrm	hypo	CG	-0.94
Gm20	3164243	3164303 Gmdrm	hypo	CG	-0.074
Gm20	3186873	3187031 Gmdrm	hypo	CG	-0.0371
Gm20	3197499	3197704 Gmdrm	hypo	CG	-0.034
Gm20	3200154	3200233 Gmdrm	hypo	CG	-0.3817
Gm20	3227666	3227994 Gmdrm	hypo	CG	-0.04
Gm20	3321574	3321640 Gmdrm	hypo	CG	-0.5733
Gm20	3413177	3413468 Gmdrm	hypo	CG	-0.667
Gm20	3478507	3478613 Gmdrm	hypo	CG	-0.9312
Gm20	3507810	3507975 Gmdrm	hypo	CG	-0.0388
Gm20	3515386	3515723 Gmdrm	hypo	CG	-0.4983
Gm20	3540912	3541083 Gmdrm	hypo	CG	-0.0745
Gm20	3662697	3662841 Gmdrm	hypo	CG	-0.1466
Gm20	3719786	3719823 Gmdrm	hypo	CG	-0.1767
Gm20	3720635	3720757 Gmdrm	hypo	CG	-0.1
Gm20	3749659	3749727 Gmdrm	hypo	CG	-0.79
Gm20	3749946	3750140 Gmdrm	hypo	CG	-0.3526
Gm20	3754621	3754739 Gmdrm	hypo	CG	-0.86
Gm20	3758232	3758274 Gmdrm	hypo	CG	-0.09
Gm20	3774059	3774362 Gmdrm	hypo	CG	-0.4406
Gm20	3815309	3815578 Gmdrm	hypo	CG	-0.0372
Gm20	3829664	3830311 Gmdrm	hypo	CG	-0.0327
Gm20	3833281	3833568 Gmdrm	hypo	CG	-0.4373
Gm20	3849914	3850003 Gmdrm	hypo	CG	-0.18
Gm20	3885963	3886101 Gmdrm	hypo	CG	-0.492
Gm20	3904286	3904329 Gmdrm	hypo	CG	-0.1937
Gm20	3904541	3904656 Gmdrm	hypo	CG	-0.215
Gm20	4017427	4017491 Gmdrm	hypo	CG	-0.0657
Gm20	4045435	4045533 Gmdrm	hypo	CG	-0.958
Gm20	4045726	4045817 Gmdrm	hypo	CG	-0.9699
Gm20	4052189	4052231 Gmdrm	hypo	CG	-0.0787
Gm20	4062477	4062877 Gmdrm	hypo	CG	-0.0462
Gm20	4127704	4128000 Gmdrm	hypo	CG	-0.059
Gm20	4204460	4204811 Gmdrm	hypo	CG	-0.5413
Gm20	4309044	4309654 Gmdrm	hypo	CG	-0.182
Gm20	4309789	4309895 Gmdrm	hypo	CG	-0.09
Gm20	4378956	4378963 Gmdrm	hypo	CG	-0.715
Gm20	4429604	4429740 Gmdrm	hypo	CG	-0.7449
Gm20	4429981	4430197 Gmdrm	hypo	CG	-0.3084

Gm20	4453062	4453353 Gmdrm	hypo	CG	-0.101
Gm20	4457452	4457640 Gmdrm	hypo	CG	-0.1746
Gm20	4470190	4470237 Gmdrm	hypo	CG	-0.459
Gm20	4472262	4472378 Gmdrm	hypo	CG	-0.2856
Gm20	4522530	4523122 Gmdrm	hypo	CG	-0.0396
Gm20	4599650	4599849 Gmdrm	hypo	CG	-0.0662
Gm20	4622732	4622853 Gmdrm	hypo	CG	-0.5462
Gm20	4623069	4623197 Gmdrm	hypo	CG	-0.7909
Gm20	4629537	4629671 Gmdrm	hypo	CG	-0.27
Gm20	4629880	4630160 Gmdrm	hypo	CG	-0.387
Gm20	4647341	4647612 Gmdrm	hypo	CG	-0.5633
Gm20	4661707	4662045 Gmdrm	hypo	CG	-0.2912
Gm20	4662166	4662411 Gmdrm	hypo	CG	-0.132
Gm20	4663441	4663558 Gmdrm	hypo	CG	-0.16
Gm20	4668396	4668876 Gmdrm	hypo	CG	-0.0358
Gm20	4676989	4677266 Gmdrm	hypo	CG	-0.8873
Gm20	4677433	4677519 Gmdrm	hypo	CG	-0.8567
Gm20	4677664	4678123 Gmdrm	hypo	CG	-0.5186
Gm20	4707463	4707543 Gmdrm	hypo	CG	-0.4625
Gm20	4708429	4708561 Gmdrm	hypo	CG	-0.7967
Gm20	4757378	4757524 Gmdrm	hypo	CG	-0.6487
Gm20	4779511	4779749 Gmdrm	hypo	CG	-0.2961
Gm20	4800356	4800450 Gmdrm	hypo	CG	-0.4922
Gm20	4842887	4843005 Gmdrm	hypo	CG	-0.12
Gm20	4843393	4843453 Gmdrm	hypo	CG	-0.225
Gm20	4844039	4844095 Gmdrm	hypo	CG	-0.348
Gm20	4844601	4844666 Gmdrm	hypo	CG	-0.3283
Gm20	4880078	4880217 Gmdrm	hypo	CG	-0.745
Gm20	4899448	4899650 Gmdrm	hypo	CG	-0.8808
Gm20	4900332	4900520 Gmdrm	hypo	CG	-0.062
Gm20	4902883	4903220 Gmdrm	hypo	CG	-0.0689
Gm20	4923978	4924188 Gmdrm	hypo	CG	-0.0809
Gm20	4925826	4925947 Gmdrm	hypo	CG	-0.1856
Gm20	4953510	4953866 Gmdrm	hypo	CG	-0.0364
Gm20	5166447	5166563 Gmdrm	hypo	CG	-0.096
Gm20	5177428	5177558 Gmdrm	hypo	CG	-0.5884
Gm20	5188137	5188271 Gmdrm	hypo	CG	-0.691
Gm20	5195131	5195415 Gmdrm	hypo	CG	-0.2363
Gm20	5235606	5236005 Gmdrm	hypo	CG	-0.3142
Gm20	5237817	5237883 Gmdrm	hypo	CG	-0.504
Gm20	5240674	5240899 Gmdrm	hypo	CG	-0.9531
Gm20	5243656	5243755 Gmdrm	hypo	CG	-0.41
Gm20	5246102	5246439 Gmdrm	hypo	CG	-0.6121
Gm20	5252784	5252989 Gmdrm	hypo	CG	-0.3207
Gm20	5270874	5270936 Gmdrm	hypo	CG	-0.4012
Gm20	5335763	5335935 Gmdrm	hypo	CG	-0.3177

Gm20	5341648	5342267	Gmdrm	hypo	CG	-0.239
Gm20	5344786	5345001	Gmdrm	hypo	CG	-0.9184
Gm20	5345449	5345644	Gmdrm	hypo	CG	-0.6725
Gm20	5352133	5352269	Gmdrm	hypo	CG	-0.1567
Gm20	5403561	5403919	Gmdrm	hypo	CG	-0.035
Gm20	5409606	5409808	Gmdrm	hypo	CG	-0.0855
Gm20	5428724	5429335	Gmdrm	hypo	CG	-0.0516
Gm20	5452692	5452771	Gmdrm	hypo	CG	-0.8483
Gm20	5455376	5455500	Gmdrm	hypo	CG	-0.066
Gm20	5460873	5461004	Gmdrm	hypo	CG	-0.3782
Gm20	5461520	5461723	Gmdrm	hypo	CG	-0.5907
Gm20	5521617	5521796	Gmdrm	hypo	CG	-0.7562
Gm20	5521992	5522349	Gmdrm	hypo	CG	-0.579
Gm20	5580413	5580585	Gmdrm	hypo	CG	-0.066
Gm20	5602992	5603092	Gmdrm	hypo	CG	-0.7912
Gm20	5603458	5603545	Gmdrm	hypo	CG	-0.39
Gm20	5699491	5700407	Gmdrm	hypo	CG	-0.0314
Gm20	5703063	5704057	Gmdrm	hypo	CG	-0.0364
Gm20	5710396	5710898	Gmdrm	hypo	CG	-0.0614
Gm20	5719934	5720452	Gmdrm	hypo	CG	-0.046
Gm20	5821263	5821407	Gmdrm	hypo	CG	-0.035
Gm20	5831108	5831366	Gmdrm	hypo	CG	-0.9688
Gm20	5873082	5873105	Gmdrm	hypo	CG	-0.5783
Gm20	5981572	5981873	Gmdrm	hypo	CG	-0.1846
Gm20	5987741	5988257	Gmdrm	hypo	CG	-0.0662
Gm20	6058737	6059169	Gmdrm	hypo	CG	-0.0416
Gm20	6074144	6074273	Gmdrm	hypo	CG	-0.1045
Gm20	6095592	6095807	Gmdrm	hypo	CG	-0.0358
Gm20	6298999	6299043	Gmdrm	hypo	CG	-0.8784
Gm20	6299579	6299831	Gmdrm	hypo	CG	-0.0855
Gm20	6362830	6362891	Gmdrm	hypo	CG	-0.0417
Gm20	6389797	6390095	Gmdrm	hypo	CG	-0.0319
Gm20	6415180	6415290	Gmdrm	hypo	CG	-0.5583
Gm20	6416147	6416170	Gmdrm	hypo	CG	-0.8167
Gm20	6418776	6419035	Gmdrm	hypo	CG	-0.7617
Gm20	6431761	6431820	Gmdrm	hypo	CG	-0.085
Gm20	6529457	6529551	Gmdrm	hypo	CG	-0.1017
Gm20	6550585	6550793	Gmdrm	hypo	CG	-0.1
Gm20	6653588	6653898	Gmdrm	hypo	CG	-0.4411
Gm20	6688968	6689295	Gmdrm	hypo	CG	-0.1554
Gm20	6690510	6690784	Gmdrm	hypo	CG	-0.2263
Gm20	6726675	6727154	Gmdrm	hypo	CG	-0.5262
Gm20	6788854	6788963	Gmdrm	hypo	CG	-0.965
Gm20	6789748	6789859	Gmdrm	hypo	CG	-0.9525
Gm20	6799648	6799882	Gmdrm	hypo	CG	-0.082
Gm20	6838972	6839591	Gmdrm	hypo	CG	-0.0353

Gm20	6841741	6841771 Gmdrm	hypo	CG	-0.7363
Gm20	6882557	6882887 Gmdrm	hypo	CG	-0.0612
Gm20	6923729	6924046 Gmdrm	hypo	CG	-0.3715
Gm20	6935367	6935596 Gmdrm	hypo	CG	-0.26
Gm20	6956928	6957086 Gmdrm	hypo	CG	-0.1017
Gm20	7012030	7012160 Gmdrm	hypo	CG	-0.7457
Gm20	7045108	7045262 Gmdrm	hypo	CG	-0.1271
Gm20	7121045	7121761 Gmdrm	hypo	CG	-0.043
Gm20	7135405	7135526 Gmdrm	hypo	CG	-0.765
Gm20	7152354	7152525 Gmdrm	hypo	CG	-0.2892
Gm20	7155197	7155291 Gmdrm	hypo	CG	-0.74
Gm20	7158589	7158973 Gmdrm	hypo	CG	-0.2074
Gm20	7168557	7168730 Gmdrm	hypo	CG	-0.174
Gm20	7189887	7190027 Gmdrm	hypo	CG	-0.8117
Gm20	7195709	7195761 Gmdrm	hypo	CG	-0.6283
Gm20	7195869	7195886 Gmdrm	hypo	CG	-0.255
Gm20	7199497	7199554 Gmdrm	hypo	CG	-0.6483
Gm20	7230137	7230227 Gmdrm	hypo	CG	-0.4717
Gm20	7247209	7247252 Gmdrm	hypo	CG	-0.6966
Gm20	7276150	7276398 Gmdrm	hypo	CG	-0.0295
Gm20	7297158	7297268 Gmdrm	hypo	CG	-0.1083
Gm20	7341261	7341344 Gmdrm	hypo	CG	-0.039
Gm20	7418102	7418324 Gmdrm	hypo	CG	-0.0737
Gm20	7459807	7459954 Gmdrm	hypo	CG	-0.0868
Gm20	7479620	7479930 Gmdrm	hypo	CG	-0.0338
Gm20	7486496	7486604 Gmdrm	hypo	CG	-0.6913
Gm20	7492779	7493042 Gmdrm	hypo	CG	-0.135
Gm20	7499330	7499655 Gmdrm	hypo	CG	-0.6867
Gm20	7504939	7505056 Gmdrm	hypo	CG	-0.7279
Gm20	7505215	7505604 Gmdrm	hypo	CG	-0.8791
Gm20	7514349	7514556 Gmdrm	hypo	CG	-0.4389
Gm20	7520017	7520240 Gmdrm	hypo	CG	-0.3378
Gm20	7524743	7524832 Gmdrm	hypo	CG	-0.7991
Gm20	7525325	7525429 Gmdrm	hypo	CG	-0.497
Gm20	7525785	7525890 Gmdrm	hypo	CG	-0.4171
Gm20	7566125	7566390 Gmdrm	hypo	CG	-0.3808
Gm20	7602527	7602606 Gmdrm	hypo	CG	-0.09
Gm20	7630380	7630558 Gmdrm	hypo	CG	-0.645
Gm20	7630836	7630916 Gmdrm	hypo	CG	-0.947
Gm20	7632186	7632532 Gmdrm	hypo	CG	-0.5737
Gm20	7648832	7648931 Gmdrm	hypo	CG	-0.633
Gm20	7671836	7672174 Gmdrm	hypo	CG	-0.0677
Gm20	7678669	7678844 Gmdrm	hypo	CG	-0.0937
Gm20	7681434	7681650 Gmdrm	hypo	CG	-0.702
Gm20	7687289	7687475 Gmdrm	hypo	CG	-0.09
Gm20	7699186	7699268 Gmdrm	hypo	CG	-0.1723

Gm20	7731364	7731707	Gmdrm	hypo	CG	-0.3233
Gm20	7735325	7735412	Gmdrm	hypo	CG	-0.875
Gm20	7769095	7769519	Gmdrm	hypo	CG	-0.047
Gm20	7771829	7772360	Gmdrm	hypo	CG	-0.1
Gm20	7884357	7884511	Gmdrm	hypo	CG	-0.2684
Gm20	7899078	7899205	Gmdrm	hypo	CG	-0.2171
Gm20	7901590	7901706	Gmdrm	hypo	CG	-0.4966
Gm20	7903415	7903604	Gmdrm	hypo	CG	-0.5206
Gm20	7904581	7904641	Gmdrm	hypo	CG	-0.9483
Gm20	7929569	7929980	Gmdrm	hypo	CG	-0.0526
Gm20	7957236	7957259	Gmdrm	hypo	CG	-0.265
Gm20	8030172	8030217	Gmdrm	hypo	CG	-0.2388
Gm20	8097924	8097993	Gmdrm	hypo	CG	-0.73
Gm20	8098139	8098181	Gmdrm	hypo	CG	-0.9125
Gm20	8149994	8150112	Gmdrm	hypo	CG	-0.7686
Gm20	8165365	8165635	Gmdrm	hypo	CG	-0.9708
Gm20	8165738	8165814	Gmdrm	hypo	CG	-0.7573
Gm20	8232416	8233416	Gmdrm	hypo	CG	-0.0586
Gm20	8294653	8295115	Gmdrm	hypo	CG	-0.0412
Gm20	8322781	8322878	Gmdrm	hypo	CG	-0.2016
Gm20	8323030	8323104	Gmdrm	hypo	CG	-0.76
Gm20	8323293	8323364	Gmdrm	hypo	CG	-0.698
Gm20	8337339	8337428	Gmdrm	hypo	CG	-0.5834
Gm20	8357073	8358072	Gmdrm	hypo	CG	-0.0286
Gm20	8371619	8371930	Gmdrm	hypo	CG	-0.077
Gm20	8504404	8504528	Gmdrm	hypo	CG	-0.3825
Gm20	8507893	8507945	Gmdrm	hypo	CG	-0.8784
Gm20	8520184	8520601	Gmdrm	hypo	CG	-0.0493
Gm20	8534941	8535242	Gmdrm	hypo	CG	-0.4167
Gm20	8537630	8537731	Gmdrm	hypo	CG	-0.116
Gm20	8552262	8552478	Gmdrm	hypo	CG	-0.06
Gm20	8554380	8554993	Gmdrm	hypo	CG	-0.0237
Gm20	8578151	8578240	Gmdrm	hypo	CG	-0.4778
Gm20	8646778	8647395	Gmdrm	hypo	CG	-0.1092
Gm20	8663386	8663517	Gmdrm	hypo	CG	-0.0388
Gm20	8725508	8725835	Gmdrm	hypo	CG	-0.4038
Gm20	8726197	8726251	Gmdrm	hypo	CG	-0.253
Gm20	8748817	8748927	Gmdrm	hypo	CG	-0.5017
Gm20	8756044	8756249	Gmdrm	hypo	CG	-0.049
Gm20	8762614	8762676	Gmdrm	hypo	CG	-0.4008
Gm20	8763133	8763206	Gmdrm	hypo	CG	-0.1963
Gm20	8772289	8772356	Gmdrm	hypo	CG	-0.97
Gm20	8799670	8799883	Gmdrm	hypo	CG	-0.0622
Gm20	8812975	8813130	Gmdrm	hypo	CG	-0.0355
Gm20	8835624	8835954	Gmdrm	hypo	CG	-0.0393
Gm20	8857749	8858372	Gmdrm	hypo	CG	-0.04

Gm20	8893576	8893700 Gmdrm	hypo	CG	-0.884
Gm20	8893850	8894180 Gmdrm	hypo	CG	-0.6783
Gm20	8894911	8895107 Gmdrm	hypo	CG	-0.1029
Gm20	8898514	8899473 Gmdrm	hypo	CG	-0.0269
Gm20	8965796	8966025 Gmdrm	hypo	CG	-0.82
Gm20	8975483	8976439 Gmdrm	hypo	CG	-0.5745
Gm20	8981024	8981262 Gmdrm	hypo	CG	-0.719
Gm20	8981928	8982129 Gmdrm	hypo	CG	-0.8894
Gm20	8982421	8982481 Gmdrm	hypo	CG	-0.9184
Gm20	8997790	8998330 Gmdrm	hypo	CG	-0.0445
Gm20	9049456	9049957 Gmdrm	hypo	CG	-0.0678
Gm20	9063363	9063538 Gmdrm	hypo	CG	-0.0489
Gm20	9092725	9093692 Gmdrm	hypo	CG	-0.0443
Gm20	9109272	9109934 Gmdrm	hypo	CG	-0.0612
Gm20	9111523	9111593 Gmdrm	hypo	CG	-0.8429
Gm20	9116752	9116806 Gmdrm	hypo	CG	-0.646
Gm20	9142303	9142607 Gmdrm	hypo	CG	-0.0418
Gm20	9146933	9147054 Gmdrm	hypo	CG	-0.0638
Gm20	9156370	9156529 Gmdrm	hypo	CG	-0.0571
Gm20	9157713	9157858 Gmdrm	hypo	CG	-0.617
Gm20	9231015	9231107 Gmdrm	hypo	CG	-0.1213
Gm20	9251374	9251442 Gmdrm	hypo	CG	-0.305
Gm20	9301724	9301963 Gmdrm	hypo	CG	-0.0354
Gm20	9314407	9314475 Gmdrm	hypo	CG	-0.15
Gm20	9321174	9321293 Gmdrm	hypo	CG	-0.162
Gm20	9323139	9323758 Gmdrm	hypo	CG	-0.1036
Gm20	9409424	9409648 Gmdrm	hypo	CG	-0.0845
Gm20	9465340	9465370 Gmdrm	hypo	CG	-0.598
Gm20	9484526	9484737 Gmdrm	hypo	CG	-0.3842
Gm20	9575336	9575409 Gmdrm	hypo	CG	-0.21
Gm20	9615578	9615722 Gmdrm	hypo	CG	-0.0713
Gm20	9621820	9622102 Gmdrm	hypo	CG	-0.0983
Gm20	9649291	9649693 Gmdrm	hypo	CG	-0.0377
Gm20	9793724	9794556 Gmdrm	hypo	CG	-0.04
Gm20	9826187	9826438 Gmdrm	hypo	CG	-0.0367
Gm20	9844098	9844318 Gmdrm	hypo	CG	-0.0466
Gm20	9854955	9854977 Gmdrm	hypo	CG	-0.0717
Gm20	9909201	9909348 Gmdrm	hypo	CG	-0.065
Gm20	9943249	9943805 Gmdrm	hypo	CG	-0.0529
Gm20	9979426	9979879 Gmdrm	hypo	CG	-0.0425
Gm20	10107293	10107315 Gmdrm	hypo	CG	-0.435
Gm20	10107465	10107741 Gmdrm	hypo	CG	-0.4589
Gm20	10129043	10129199 Gmdrm	hypo	CG	-0.0461
Gm20	10135191	10135341 Gmdrm	hypo	CG	-0.0421
Gm20	10218690	10218874 Gmdrm	hypo	CG	-0.491
Gm20	10225361	10225424 Gmdrm	hypo	CG	-0.086

Gm20	10309318	10309537	Gmdrm	hypo	CG	-0.0655
Gm20	10367518	10367957	Gmdrm	hypo	CG	-0.0332
Gm20	10579393	10579464	Gmdrm	hypo	CG	-0.28
Gm20	10587482	10587688	Gmdrm	hypo	CG	-0.0892
Gm20	10657681	10657799	Gmdrm	hypo	CG	-0.6822
Gm20	10721995	10722050	Gmdrm	hypo	CG	-0.9517
Gm20	10724092	10724269	Gmdrm	hypo	CG	-0.548
Gm20	10724636	10724891	Gmdrm	hypo	CG	-0.5638
Gm20	10725446	10725805	Gmdrm	hypo	CG	-0.1882
Gm20	10726399	10726784	Gmdrm	hypo	CG	-0.3605
Gm20	10780742	10781011	Gmdrm	hypo	CG	-0.0375
Gm20	10786238	10786360	Gmdrm	hypo	CG	-0.0617
Gm20	10839235	10839807	Gmdrm	hypo	CG	-0.0605
Gm20	10843750	10844188	Gmdrm	hypo	CG	-0.0541
Gm20	10847116	10847467	Gmdrm	hypo	CG	-0.0758
Gm20	10995667	10996064	Gmdrm	hypo	CG	-0.0443
Gm20	11112235	11112616	Gmdrm	hypo	CG	-0.0443
Gm20	11124014	11124035	Gmdrm	hypo	CG	-0.164
Gm20	11128581	11129397	Gmdrm	hypo	CG	-0.05
Gm20	11136147	11136298	Gmdrm	hypo	CG	-0.146
Gm20	11147766	11147897	Gmdrm	hypo	CG	-0.1515
Gm20	11153032	11153242	Gmdrm	hypo	CG	-0.0945
Gm20	11216171	11216322	Gmdrm	hypo	CG	-0.1412
Gm20	11226958	11226990	Gmdrm	hypo	CG	-0.81
Gm20	11228903	11229220	Gmdrm	hypo	CG	-0.1442
Gm20	11260969	11261232	Gmdrm	hypo	CG	-0.0257
Gm20	11363856	11364147	Gmdrm	hypo	CG	-0.3067
Gm20	11453771	11454024	Gmdrm	hypo	CG	-0.0982
Gm20	11454274	11454439	Gmdrm	hypo	CG	-0.3109
Gm20	11457915	11458056	Gmdrm	hypo	CG	-0.752
Gm20	11473334	11473955	Gmdrm	hypo	CG	-0.0396
Gm20	11514487	11514533	Gmdrm	hypo	CG	-0.1434
Gm20	11514670	11514745	Gmdrm	hypo	CG	-0.54
Gm20	11522189	11522308	Gmdrm	hypo	CG	-0.2117
Gm20	11545980	11546083	Gmdrm	hypo	CG	-0.654
Gm20	11567550	11568061	Gmdrm	hypo	CG	-0.0302
Gm20	11609154	11609200	Gmdrm	hypo	CG	-0.6034
Gm20	11612035	11612195	Gmdrm	hypo	CG	-0.065
Gm20	11655672	11656000	Gmdrm	hypo	CG	-0.0612
Gm20	11763641	11763853	Gmdrm	hypo	CG	-0.298
Gm20	11764532	11764702	Gmdrm	hypo	CG	-0.104
Gm20	11772352	11772414	Gmdrm	hypo	CG	-0.9117
Gm20	11782028	11782108	Gmdrm	hypo	CG	-0.2467
Gm20	11842883	11842977	Gmdrm	hypo	CG	-0.6417
Gm20	11850249	11850453	Gmdrm	hypo	CG	-0.4636
Gm20	11866430	11866688	Gmdrm	hypo	CG	-0.2806

Gm20	11875962	11876107	Gmdrm	hypo	CG	-0.115
Gm20	11930293	11930370	Gmdrm	hypo	CG	-0.6
Gm20	11942281	11942380	Gmdrm	hypo	CG	-1
Gm20	11994427	11994503	Gmdrm	hypo	CG	-0.1375
Gm20	11998140	11998183	Gmdrm	hypo	CG	-0.228
Gm20	12149723	12149975	Gmdrm	hypo	CG	-0.0808
Gm20	12156711	12157217	Gmdrm	hypo	CG	-0.0358
Gm20	12250701	12250907	Gmdrm	hypo	CG	-0.0725
Gm20	12280212	12280288	Gmdrm	hypo	CG	-0.1883
Gm20	12372913	12373082	Gmdrm	hypo	CG	-0.416
Gm20	12469464	12469570	Gmdrm	hypo	CG	-0.1128
Gm20	12469691	12469899	Gmdrm	hypo	CG	-0.2581
Gm20	12573776	12573862	Gmdrm	hypo	CG	-0.048
Gm20	12575422	12575657	Gmdrm	hypo	CG	-0.7765
Gm20	12575918	12576195	Gmdrm	hypo	CG	-0.648
Gm20	12577567	12577744	Gmdrm	hypo	CG	-0.8425
Gm20	12752618	12752838	Gmdrm	hypo	CG	-0.0317
Gm20	12861474	12861938	Gmdrm	hypo	CG	-0.045
Gm20	12885384	12886025	Gmdrm	hypo	CG	-0.0332
Gm20	12901312	12901755	Gmdrm	hypo	CG	-0.4278
Gm20	12901943	12901984	Gmdrm	hypo	CG	-0.5637
Gm20	12904924	12905045	Gmdrm	hypo	CG	-0.3117
Gm20	12913130	12913255	Gmdrm	hypo	CG	-0.0663
Gm20	12923001	12923122	Gmdrm	hypo	CG	-0.8013
Gm20	12982070	12982939	Gmdrm	hypo	CG	-0.03
Gm20	12988102	12988204	Gmdrm	hypo	CG	-0.028
Gm20	13022882	13022958	Gmdrm	hypo	CG	-0.068
Gm20	13058188	13058456	Gmdrm	hypo	CG	-0.0931
Gm20	13121075	13121136	Gmdrm	hypo	CG	-0.1017
Gm20	13134690	13134778	Gmdrm	hypo	CG	-0.07
Gm20	13135340	13135622	Gmdrm	hypo	CG	-0.035
Gm20	13181926	13182063	Gmdrm	hypo	CG	-0.0562
Gm20	13234239	13234485	Gmdrm	hypo	CG	-0.3387
Gm20	13235488	13235535	Gmdrm	hypo	CG	-0.88
Gm20	13250297	13250787	Gmdrm	hypo	CG	-0.0464
Gm20	13253221	13253858	Gmdrm	hypo	CG	-0.0481
Gm20	13263328	13264321	Gmdrm	hypo	CG	-0.0453
Gm20	13317738	13318028	Gmdrm	hypo	CG	-0.4542
Gm20	13319282	13319399	Gmdrm	hypo	CG	-0.43
Gm20	13378510	13378656	Gmdrm	hypo	CG	-0.064
Gm20	13514302	13514763	Gmdrm	hypo	CG	-0.48
Gm20	13514874	13514954	Gmdrm	hypo	CG	-0.2562
Gm20	13520015	13520072	Gmdrm	hypo	CG	-0.4083
Gm20	13536744	13537643	Gmdrm	hypo	CG	-0.0409
Gm20	13591589	13591690	Gmdrm	hypo	CG	-0.1317
Gm20	13686817	13686925	Gmdrm	hypo	CG	-0.09

Gm20	13755842	13755972	Gmdrm	hypo	CG	-0.642
Gm20	13759651	13759718	Gmdrm	hypo	CG	-0.0775
Gm20	13822424	13823350	Gmdrm	hypo	CG	-0.0298
Gm20	13823524	13823734	Gmdrm	hypo	CG	-0.0914
Gm20	13823911	13824648	Gmdrm	hypo	CG	-0.0324
Gm20	13826448	13826661	Gmdrm	hypo	CG	-0.0564
Gm20	13888578	13888914	Gmdrm	hypo	CG	-0.0389
Gm20	13929352	13929446	Gmdrm	hypo	CG	-0.0512
Gm20	13955558	13955721	Gmdrm	hypo	CG	-0.0567
Gm20	13982381	13983339	Gmdrm	hypo	CG	-0.0295
Gm20	14117659	14117949	Gmdrm	hypo	CG	-0.0624
Gm20	14149728	14149814	Gmdrm	hypo	CG	-0.036
Gm20	14227386	14227556	Gmdrm	hypo	CG	-0.2341
Gm20	14230523	14230773	Gmdrm	hypo	CG	-0.0588
Gm20	14268925	14269754	Gmdrm	hypo	CG	-0.0304
Gm20	14336644	14336746	Gmdrm	hypo	CG	-0.2717
Gm20	14379167	14379243	Gmdrm	hypo	CG	-0.5212
Gm20	14435928	14436453	Gmdrm	hypo	CG	-0.0535
Gm20	14516391	14516498	Gmdrm	hypo	CG	-0.85
Gm20	14536746	14536804	Gmdrm	hypo	CG	-0.913
Gm20	14537353	14537438	Gmdrm	hypo	CG	-0.9457
Gm20	14539755	14539834	Gmdrm	hypo	CG	-0.5933
Gm20	14540044	14540127	Gmdrm	hypo	CG	-0.507
Gm20	14560460	14560496	Gmdrm	hypo	CG	-0.0883
Gm20	14560677	14560755	Gmdrm	hypo	CG	-0.0757
Gm20	14592243	14592302	Gmdrm	hypo	CG	-0.088
Gm20	14607611	14608024	Gmdrm	hypo	CG	-0.0391
Gm20	14635076	14635151	Gmdrm	hypo	CG	-0.6463
Gm20	14637227	14637322	Gmdrm	hypo	CG	-0.655
Gm20	14833832	14834806	Gmdrm	hypo	CG	-0.023
Gm20	14943671	14943816	Gmdrm	hypo	CG	-0.135
Gm20	14979753	14979845	Gmdrm	hypo	CG	-0.1657
Gm20	15019232	15019769	Gmdrm	hypo	CG	-0.0396
Gm20	15071014	15071659	Gmdrm	hypo	CG	-0.0289
Gm20	15122169	15122520	Gmdrm	hypo	CG	-0.0385
Gm20	15147211	15148193	Gmdrm	hypo	CG	-0.0146
Gm20	15157787	15158284	Gmdrm	hypo	CG	-0.0284
Gm20	15165273	15165543	Gmdrm	hypo	CG	-0.0379
Gm20	15239646	15239942	Gmdrm	hypo	CG	-0.0729
Gm20	15272852	15273558	Gmdrm	hypo	CG	-0.0412
Gm20	15279413	15280413	Gmdrm	hypo	CG	-0.0319
Gm20	15289824	15290030	Gmdrm	hypo	CG	-0.0713
Gm20	15320187	15320496	Gmdrm	hypo	CG	-0.0573
Gm20	15345488	15345698	Gmdrm	hypo	CG	-0.0776
Gm20	15346528	15346884	Gmdrm	hypo	CG	-0.0396
Gm20	15532094	15532205	Gmdrm	hypo	CG	-0.068

Gm20	15556186	15557185	Gmdrm	hypo	CG	-0.0246
Gm20	15714379	15714513	Gmdrm	hypo	CG	-0.1872
Gm20	15718050	15718121	Gmdrm	hypo	CG	-0.76
Gm20	15751949	15751992	Gmdrm	hypo	CG	-0.3033
Gm20	15754012	15754087	Gmdrm	hypo	CG	-0.0556
Gm20	15784506	15784636	Gmdrm	hypo	CG	-0.1525
Gm20	15797338	15797735	Gmdrm	hypo	CG	-0.0624
Gm20	15812172	15812222	Gmdrm	hypo	CG	-0.1417
Gm20	15816836	15817021	Gmdrm	hypo	CG	-0.1278
Gm20	15823247	15824150	Gmdrm	hypo	CG	-0.0344
Gm20	15887460	15888076	Gmdrm	hypo	CG	-0.0547
Gm20	15894524	15894553	Gmdrm	hypo	CG	-0.0867
Gm20	15940492	15940975	Gmdrm	hypo	CG	-0.041
Gm20	15952917	15953320	Gmdrm	hypo	CG	-0.0481
Gm20	16082849	16083159	Gmdrm	hypo	CG	-0.0923
Gm20	16083865	16084460	Gmdrm	hypo	CG	-0.0621
Gm20	16097794	16097941	Gmdrm	hypo	CG	-0.1066
Gm20	16179493	16180080	Gmdrm	hypo	CG	-0.0508
Gm20	16218460	16218696	Gmdrm	hypo	CG	-0.0613
Gm20	16263322	16263974	Gmdrm	hypo	CG	-0.0259
Gm20	16421325	16421534	Gmdrm	hypo	CG	-0.0326
Gm20	16565351	16565901	Gmdrm	hypo	CG	-0.0591
Gm20	16670578	16670689	Gmdrm	hypo	CG	-0.446
Gm20	16729376	16729477	Gmdrm	hypo	CG	-0.064
Gm20	16767818	16767985	Gmdrm	hypo	CG	-0.07
Gm20	16787572	16788176	Gmdrm	hypo	CG	-0.0733
Gm20	16830425	16830764	Gmdrm	hypo	CG	-0.033
Gm20	16862051	16862372	Gmdrm	hypo	CG	-0.0631
Gm20	16873023	16873143	Gmdrm	hypo	CG	-0.1526
Gm20	16994838	16995235	Gmdrm	hypo	CG	-0.0335
Gm20	17014674	17014865	Gmdrm	hypo	CG	-0.0986
Gm20	17170123	17171013	Gmdrm	hypo	CG	-0.0618
Gm20	17354169	17354297	Gmdrm	hypo	CG	-0.0437
Gm20	17367772	17367906	Gmdrm	hypo	CG	-0.0966
Gm20	17370995	17371014	Gmdrm	hypo	CG	-0.5117
Gm20	17390227	17390380	Gmdrm	hypo	CG	-0.1957
Gm20	17428060	17428354	Gmdrm	hypo	CG	-0.0838
Gm20	17446702	17447182	Gmdrm	hypo	CG	-0.0326
Gm20	17482860	17482917	Gmdrm	hypo	CG	-0.0683
Gm20	17548861	17549045	Gmdrm	hypo	CG	-0.7121
Gm20	17669888	17669943	Gmdrm	hypo	CG	-0.066
Gm20	17734794	17735241	Gmdrm	hypo	CG	-0.0355
Gm20	17772304	17772420	Gmdrm	hypo	CG	-0.0633
Gm20	17773220	17773423	Gmdrm	hypo	CG	-0.0557
Gm20	17817405	17817632	Gmdrm	hypo	CG	-0.117
Gm20	17839817	17839985	Gmdrm	hypo	CG	-0.0353

Gm20	17958731	17958770	Gmdrm	hypo	CG	-0.1008
Gm20	17984007	17984130	Gmdrm	hypo	CG	-0.0745
Gm20	18092067	18092414	Gmdrm	hypo	CG	-0.0394
Gm20	18114220	18114446	Gmdrm	hypo	CG	-0.0493
Gm20	18131450	18131475	Gmdrm	hypo	CG	-0.194
Gm20	18204659	18204709	Gmdrm	hypo	CG	-0.165
Gm20	18219135	18219452	Gmdrm	hypo	CG	-0.0468
Gm20	18223286	18223879	Gmdrm	hypo	CG	-0.0648
Gm20	18250664	18250848	Gmdrm	hypo	CG	-0.0872
Gm20	18305774	18306020	Gmdrm	hypo	CG	-0.0806
Gm20	18381191	18381331	Gmdrm	hypo	CG	-0.2442
Gm20	18403670	18403782	Gmdrm	hypo	CG	-0.1533
Gm20	18459551	18459743	Gmdrm	hypo	CG	-0.1044
Gm20	18524492	18525491	Gmdrm	hypo	CG	-0.0479
Gm20	18630473	18630579	Gmdrm	hypo	CG	-0.295
Gm20	18640454	18640558	Gmdrm	hypo	CG	-0.845
Gm20	18700408	18700921	Gmdrm	hypo	CG	-0.06
Gm20	18776975	18777099	Gmdrm	hypo	CG	-0.1259
Gm20	18884139	18884304	Gmdrm	hypo	CG	-0.0583
Gm20	18898796	18899790	Gmdrm	hypo	CG	-0.0453
Gm20	18930634	18930778	Gmdrm	hypo	CG	-0.1675
Gm20	19001506	19001619	Gmdrm	hypo	CG	-0.0494
Gm20	19042079	19042363	Gmdrm	hypo	CG	-0.3507
Gm20	19079451	19079764	Gmdrm	hypo	CG	-0.0496
Gm20	19097815	19097933	Gmdrm	hypo	CG	-0.946
Gm20	19098605	19098785	Gmdrm	hypo	CG	-0.6
Gm20	19123096	19123114	Gmdrm	hypo	CG	-0.2867
Gm20	19131632	19131699	Gmdrm	hypo	CG	-0.095
Gm20	19139250	19139269	Gmdrm	hypo	CG	-0.825
Gm20	19139393	19139500	Gmdrm	hypo	CG	-0.193
Gm20	19144887	19145082	Gmdrm	hypo	CG	-0.04
Gm20	19176270	19176385	Gmdrm	hypo	CG	-0.0543
Gm20	19214697	19214791	Gmdrm	hypo	CG	-0.07
Gm20	19276883	19276983	Gmdrm	hypo	CG	-0.3763
Gm20	19344834	19345130	Gmdrm	hypo	CG	-0.8006
Gm20	19346929	19347337	Gmdrm	hypo	CG	-0.2069
Gm20	19404775	19404931	Gmdrm	hypo	CG	-0.1043
Gm20	19416447	19416529	Gmdrm	hypo	CG	-0.8633
Gm20	19416697	19416871	Gmdrm	hypo	CG	-0.2817
Gm20	19443597	19443777	Gmdrm	hypo	CG	-0.2714
Gm20	19479097	19479302	Gmdrm	hypo	CG	-0.145
Gm20	19503793	19503821	Gmdrm	hypo	CG	-0.1217
Gm20	19613880	19613914	Gmdrm	hypo	CG	-0.0683
Gm20	19626478	19626599	Gmdrm	hypo	CG	-0.1851
Gm20	19735709	19736698	Gmdrm	hypo	CG	-0.0344
Gm20	19768718	19768860	Gmdrm	hypo	CG	-0.0467

Gm20	19775163	19775800	Gmdrm	hypo	CG	-0.0462
Gm20	19777598	19777838	Gmdrm	hypo	CG	-0.13
Gm20	19778488	19778827	Gmdrm	hypo	CG	-0.043
Gm20	19846394	19846513	Gmdrm	hypo	CG	-0.207
Gm20	19846899	19846971	Gmdrm	hypo	CG	-0.7766
Gm20	19864983	19865135	Gmdrm	hypo	CG	-0.57
Gm20	19865820	19866003	Gmdrm	hypo	CG	-0.9019
Gm20	19868814	19868928	Gmdrm	hypo	CG	-0.4537
Gm20	19869040	19869106	Gmdrm	hypo	CG	-0.8738
Gm20	20004238	20004279	Gmdrm	hypo	CG	-0.1467
Gm20	20019512	20019910	Gmdrm	hypo	CG	-0.0482
Gm20	20070533	20070614	Gmdrm	hypo	CG	-0.1583
Gm20	20121370	20122083	Gmdrm	hypo	CG	-0.0347
Gm20	20171889	20172106	Gmdrm	hypo	CG	-0.0525
Gm20	20202865	20203026	Gmdrm	hypo	CG	-0.0729
Gm20	20251778	20252648	Gmdrm	hypo	CG	-0.0204
Gm20	20284122	20284368	Gmdrm	hypo	CG	-0.0607
Gm20	20428242	20428372	Gmdrm	hypo	CG	-0.8266
Gm20	20428620	20428745	Gmdrm	hypo	CG	-0.68
Gm20	20499355	20499544	Gmdrm	hypo	CG	-0.0946
Gm20	20563453	20563845	Gmdrm	hypo	CG	-0.0284
Gm20	20631502	20631745	Gmdrm	hypo	CG	-0.0944
Gm20	20726262	20726443	Gmdrm	hypo	CG	-0.0563
Gm20	20745878	20746138	Gmdrm	hypo	CG	-0.0575
Gm20	20784298	20784507	Gmdrm	hypo	CG	-0.0882
Gm20	20851346	20851622	Gmdrm	hypo	CG	-0.0867
Gm20	21142886	21143083	Gmdrm	hypo	CG	-0.0748
Gm20	21174098	21174267	Gmdrm	hypo	CG	-0.8411
Gm20	21220363	21220849	Gmdrm	hypo	CG	-0.0425
Gm20	21240586	21240977	Gmdrm	hypo	CG	-0.0237
Gm20	21264937	21265502	Gmdrm	hypo	CG	-0.0631
Gm20	21322759	21322907	Gmdrm	hypo	CG	-0.1375
Gm20	21554515	21554843	Gmdrm	hypo	CG	-0.1127
Gm20	21563709	21564004	Gmdrm	hypo	CG	-0.0478
Gm20	21627601	21627968	Gmdrm	hypo	CG	-0.0319
Gm20	21643277	21643323	Gmdrm	hypo	CG	-0.0733
Gm20	21658868	21659048	Gmdrm	hypo	CG	-0.1692
Gm20	21660128	21660223	Gmdrm	hypo	CG	-0.6312
Gm20	21669615	21669987	Gmdrm	hypo	CG	-0.0926
Gm20	21708180	21708220	Gmdrm	hypo	CG	-0.19
Gm20	21789809	21789828	Gmdrm	hypo	CG	-0.194
Gm20	21827197	21827370	Gmdrm	hypo	CG	-0.0499
Gm20	21878541	21878684	Gmdrm	hypo	CG	-0.0611
Gm20	21899381	21899522	Gmdrm	hypo	CG	-0.0737
Gm20	22080119	22080638	Gmdrm	hypo	CG	-0.03
Gm20	22165413	22165590	Gmdrm	hypo	CG	-0.0786

Gm20	22284596	22284671	Gmdrm	hypo	CG	-0.209
Gm20	22285439	22285593	Gmdrm	hypo	CG	-0.39
Gm20	22300213	22300411	Gmdrm	hypo	CG	-0.2542
Gm20	22478817	22479706	Gmdrm	hypo	CG	-0.028
Gm20	22523613	22523860	Gmdrm	hypo	CG	-0.0404
Gm20	22602722	22602756	Gmdrm	hypo	CG	-0.0667
Gm20	22645329	22645548	Gmdrm	hypo	CG	-0.0767
Gm20	22669295	22669532	Gmdrm	hypo	CG	-0.0815
Gm20	22702591	22702711	Gmdrm	hypo	CG	-0.226
Gm20	22715578	22715612	Gmdrm	hypo	CG	-0.0416
Gm20	22768937	22769316	Gmdrm	hypo	CG	-0.0611
Gm20	22781845	22782495	Gmdrm	hypo	CG	-0.0362
Gm20	22985384	22985471	Gmdrm	hypo	CG	-0.042
Gm20	22987933	22988038	Gmdrm	hypo	CG	-0.9287
Gm20	22988592	22988772	Gmdrm	hypo	CG	-0.885
Gm20	22989831	22990060	Gmdrm	hypo	CG	-0.2638
Gm20	23066940	23067594	Gmdrm	hypo	CG	-0.1435
Gm20	23077980	23078308	Gmdrm	hypo	CG	-0.1076
Gm20	23122733	23122810	Gmdrm	hypo	CG	-0.1124
Gm20	23141706	23142534	Gmdrm	hypo	CG	-0.0554
Gm20	23142639	23142762	Gmdrm	hypo	CG	-0.0711
Gm20	23147009	23147030	Gmdrm	hypo	CG	-0.1033
Gm20	23212283	23212384	Gmdrm	hypo	CG	-0.117
Gm20	23214032	23214223	Gmdrm	hypo	CG	-0.4833
Gm20	23240194	23240369	Gmdrm	hypo	CG	-0.037
Gm20	23240490	23240956	Gmdrm	hypo	CG	-0.0318
Gm20	23277028	23277106	Gmdrm	hypo	CG	-0.73
Gm20	23282014	23282181	Gmdrm	hypo	CG	-0.0565
Gm20	23317355	23317935	Gmdrm	hypo	CG	-0.0451
Gm20	23334644	23334972	Gmdrm	hypo	CG	-0.2809
Gm20	23435923	23436159	Gmdrm	hypo	CG	-0.5667
Gm20	23437859	23438565	Gmdrm	hypo	CG	-0.4188
Gm20	23449516	23449719	Gmdrm	hypo	CG	-0.3742
Gm20	23449931	23450063	Gmdrm	hypo	CG	-0.937
Gm20	23453425	23453534	Gmdrm	hypo	CG	-0.2925
Gm20	23563999	23564129	Gmdrm	hypo	CG	-0.1225
Gm20	23643215	23643340	Gmdrm	hypo	CG	-0.82
Gm20	23653091	23653126	Gmdrm	hypo	CG	-0.06
Gm20	23653380	23653458	Gmdrm	hypo	CG	-0.85
Gm20	23653572	23653628	Gmdrm	hypo	CG	-0.854
Gm20	23654381	23654498	Gmdrm	hypo	CG	-0.8637
Gm20	23662498	23662575	Gmdrm	hypo	CG	-0.358
Gm20	23674260	23674340	Gmdrm	hypo	CG	-0.0976
Gm20	23702135	23702327	Gmdrm	hypo	CG	-0.0721
Gm20	23715677	23716656	Gmdrm	hypo	CG	-0.059
Gm20	23727071	23727637	Gmdrm	hypo	CG	-0.036

Gm20	23786158	23786341	Gmdrm	hypo	CG	-0.0622
Gm20	23790998	23791077	Gmdrm	hypo	CG	-0.7562
Gm20	23791207	23791325	Gmdrm	hypo	CG	-0.3314
Gm20	23798624	23798969	Gmdrm	hypo	CG	-0.362
Gm20	23831856	23832011	Gmdrm	hypo	CG	-0.211
Gm20	23834190	23834436	Gmdrm	hypo	CG	-0.649
Gm20	23834537	23834664	Gmdrm	hypo	CG	-0.966
Gm20	23834833	23834848	Gmdrm	hypo	CG	-0.9384
Gm20	23834971	23835267	Gmdrm	hypo	CG	-0.8183
Gm20	23847892	23847971	Gmdrm	hypo	CG	-0.4966
Gm20	23874475	23874541	Gmdrm	hypo	CG	-0.0945
Gm20	23879704	23880184	Gmdrm	hypo	CG	-0.0518
Gm20	23886308	23886558	Gmdrm	hypo	CG	-0.0757
Gm20	23907401	23907485	Gmdrm	hypo	CG	-0.9616
Gm20	23907692	23908017	Gmdrm	hypo	CG	-0.2476
Gm20	23922835	23922957	Gmdrm	hypo	CG	-0.0633
Gm20	23931341	23931813	Gmdrm	hypo	CG	-0.0225
Gm20	23959318	23959483	Gmdrm	hypo	CG	-0.1134
Gm20	24012589	24012794	Gmdrm	hypo	CG	-0.056
Gm20	24069260	24069978	Gmdrm	hypo	CG	-0.038
Gm20	24083981	24084336	Gmdrm	hypo	CG	-0.0316
Gm20	24099172	24099249	Gmdrm	hypo	CG	-0.156
Gm20	24115394	24115468	Gmdrm	hypo	CG	-0.3233
Gm20	24144942	24145299	Gmdrm	hypo	CG	-0.0503
Gm20	24181388	24181482	Gmdrm	hypo	CG	-0.114
Gm20	24237022	24237400	Gmdrm	hypo	CG	-0.051
Gm20	24292809	24292974	Gmdrm	hypo	CG	-0.1129
Gm20	24293845	24293939	Gmdrm	hypo	CG	-0.1717
Gm20	24298371	24298469	Gmdrm	hypo	CG	-0.4317
Gm20	24303550	24303679	Gmdrm	hypo	CG	-0.575
Gm20	24317355	24317467	Gmdrm	hypo	CG	-0.368
Gm20	24320223	24320443	Gmdrm	hypo	CG	-0.3557
Gm20	24322472	24323149	Gmdrm	hypo	CG	-0.3314
Gm20	24362261	24362559	Gmdrm	hypo	CG	-0.05
Gm20	24401729	24401786	Gmdrm	hypo	CG	-0.5463
Gm20	24411586	24412473	Gmdrm	hypo	CG	-0.0287
Gm20	24415709	24415883	Gmdrm	hypo	CG	-0.0471
Gm20	24457454	24457551	Gmdrm	hypo	CG	-0.345
Gm20	24459884	24460093	Gmdrm	hypo	CG	-0.0293
Gm20	24460277	24460406	Gmdrm	hypo	CG	-0.3333
Gm20	24465163	24465236	Gmdrm	hypo	CG	-0.7817
Gm20	24506381	24506492	Gmdrm	hypo	CG	-0.113
Gm20	24516146	24516179	Gmdrm	hypo	CG	-0.812
Gm20	24541923	24542032	Gmdrm	hypo	CG	-0.35
Gm20	24561708	24561812	Gmdrm	hypo	CG	-0.055
Gm20	24597052	24597157	Gmdrm	hypo	CG	-0.3243

Gm20	24610201	24610519	Gmdrm	hypo	CG	-0.298
Gm20	24621155	24621340	Gmdrm	hypo	CG	-0.291
Gm20	24622232	24622336	Gmdrm	hypo	CG	-0.153
Gm20	24653364	24653535	Gmdrm	hypo	CG	-0.146
Gm20	24726667	24726752	Gmdrm	hypo	CG	-0.7216
Gm20	24771562	24772008	Gmdrm	hypo	CG	-0.051
Gm20	24794438	24794614	Gmdrm	hypo	CG	-0.738
Gm20	24803426	24803544	Gmdrm	hypo	CG	-0.1472
Gm20	24803776	24803883	Gmdrm	hypo	CG	-0.775
Gm20	24810086	24810477	Gmdrm	hypo	CG	-0.3995
Gm20	24810686	24810873	Gmdrm	hypo	CG	-0.6667
Gm20	24884041	24884135	Gmdrm	hypo	CG	-0.65
Gm20	24894509	24894713	Gmdrm	hypo	CG	-0.7375
Gm20	25063236	25063375	Gmdrm	hypo	CG	-0.0287
Gm20	25064983	25065228	Gmdrm	hypo	CG	-0.0489
Gm20	25066897	25067011	Gmdrm	hypo	CG	-0.9113
Gm20	25067379	25067530	Gmdrm	hypo	CG	-0.7483
Gm20	25093529	25093558	Gmdrm	hypo	CG	-0.1875
Gm20	25131773	25132373	Gmdrm	hypo	CG	-0.0479
Gm20	25163687	25164339	Gmdrm	hypo	CG	-0.048
Gm20	25285052	25285506	Gmdrm	hypo	CG	-0.0324
Gm20	25303098	25303353	Gmdrm	hypo	CG	-0.0864
Gm20	25425492	25425847	Gmdrm	hypo	CG	-0.1955
Gm20	25445542	25445773	Gmdrm	hypo	CG	-0.1716
Gm20	25527198	25527337	Gmdrm	hypo	CG	-0.361
Gm20	25572871	25573173	Gmdrm	hypo	CG	-0.0294
Gm20	25589599	25589783	Gmdrm	hypo	CG	-0.9783
Gm20	25651793	25652076	Gmdrm	hypo	CG	-0.7056
Gm20	25800813	25800880	Gmdrm	hypo	CG	-0.0567
Gm20	25848273	25848413	Gmdrm	hypo	CG	-0.074
Gm20	25890323	25890448	Gmdrm	hypo	CG	-0.5863
Gm20	25908237	25908755	Gmdrm	hypo	CG	-0.052
Gm20	25908878	25909195	Gmdrm	hypo	CG	-0.0461
Gm20	25989039	25989262	Gmdrm	hypo	CG	-0.0836
Gm20	26018495	26018566	Gmdrm	hypo	CG	-0.111
Gm20	26038545	26038759	Gmdrm	hypo	CG	-0.0478
Gm20	26142802	26143426	Gmdrm	hypo	CG	-0.2044
Gm20	26244498	26244592	Gmdrm	hypo	CG	-0.8417
Gm20	26245584	26245810	Gmdrm	hypo	CG	-0.77
Gm20	26360967	26361211	Gmdrm	hypo	CG	-0.2325
Gm20	26368574	26368645	Gmdrm	hypo	CG	-0.069
Gm20	26495684	26496100	Gmdrm	hypo	CG	-0.0508
Gm20	26504374	26504637	Gmdrm	hypo	CG	-0.0922
Gm20	26523865	26524383	Gmdrm	hypo	CG	-0.0683
Gm20	26641595	26641775	Gmdrm	hypo	CG	-0.0789
Gm20	26765424	26765506	Gmdrm	hypo	CG	-0.1144

Gm20	26791947	26792052	Gmdrm	hypo	CG	-0.0621
Gm20	26802390	26802483	Gmdrm	hypo	CG	-0.073
Gm20	26814164	26814220	Gmdrm	hypo	CG	-0.555
Gm20	26817745	26818491	Gmdrm	hypo	CG	-0.0491
Gm20	26870100	26870259	Gmdrm	hypo	CG	-0.3317
Gm20	26914404	26914681	Gmdrm	hypo	CG	-0.0533
Gm20	27025425	27025947	Gmdrm	hypo	CG	-0.0358
Gm20	27124619	27124681	Gmdrm	hypo	CG	-0.0813
Gm20	27160991	27161386	Gmdrm	hypo	CG	-0.101
Gm20	27176580	27176749	Gmdrm	hypo	CG	-0.1214
Gm20	27229644	27230038	Gmdrm	hypo	CG	-0.0475
Gm20	27249940	27250184	Gmdrm	hypo	CG	-0.0327
Gm20	27286818	27287043	Gmdrm	hypo	CG	-0.0483
Gm20	27302963	27303606	Gmdrm	hypo	CG	-0.0574
Gm20	27320939	27321019	Gmdrm	hypo	CG	-0.6262
Gm20	27334374	27334603	Gmdrm	hypo	CG	-0.8931
Gm20	27383182	27383285	Gmdrm	hypo	CG	-0.1133
Gm20	27405808	27406651	Gmdrm	hypo	CG	-0.0294
Gm20	27411784	27412005	Gmdrm	hypo	CG	-0.3007
Gm20	27518375	27518601	Gmdrm	hypo	CG	-0.0925
Gm20	27556251	27556394	Gmdrm	hypo	CG	-0.4992
Gm20	27556565	27556832	Gmdrm	hypo	CG	-0.3593
Gm20	27557950	27558195	Gmdrm	hypo	CG	-0.1377
Gm20	27559639	27560056	Gmdrm	hypo	CG	-0.3488
Gm20	27592729	27592825	Gmdrm	hypo	CG	-0.0714
Gm20	27600261	27600384	Gmdrm	hypo	CG	-0.064
Gm20	27627636	27627753	Gmdrm	hypo	CG	-0.0344
Gm20	27629849	27629876	Gmdrm	hypo	CG	-0.4283
Gm20	27632366	27632495	Gmdrm	hypo	CG	-0.7177
Gm20	27635953	27636121	Gmdrm	hypo	CG	-0.4281
Gm20	27642986	27643018	Gmdrm	hypo	CG	-0.455
Gm20	27644404	27644489	Gmdrm	hypo	CG	-0.9437
Gm20	27677068	27677393	Gmdrm	hypo	CG	-0.1165
Gm20	27680985	27681115	Gmdrm	hypo	CG	-0.9358
Gm20	27722310	27722364	Gmdrm	hypo	CG	-0.0817
Gm20	27726831	27726885	Gmdrm	hypo	CG	-0.705
Gm20	27770704	27770754	Gmdrm	hypo	CG	-0.736
Gm20	27785385	27785416	Gmdrm	hypo	CG	-0.166
Gm20	27794020	27794205	Gmdrm	hypo	CG	-0.8241
Gm20	27826965	27827236	Gmdrm	hypo	CG	-0.6394
Gm20	27853046	27853165	Gmdrm	hypo	CG	-0.073
Gm20	27856621	27856675	Gmdrm	hypo	CG	-0.6817
Gm20	27884620	27884755	Gmdrm	hypo	CG	-0.1485
Gm20	27943383	27943515	Gmdrm	hypo	CG	-0.77
Gm20	27954771	27955114	Gmdrm	hypo	CG	-0.2188
Gm20	27959728	27959965	Gmdrm	hypo	CG	-0.4255

Gm20	27961622	27962248	Gmdrm	hypo	CG	-0.0285
Gm20	27981978	27982173	Gmdrm	hypo	CG	-0.4617
Gm20	28008476	28008881	Gmdrm	hypo	CG	-0.0778
Gm20	28010561	28010693	Gmdrm	hypo	CG	-0.18
Gm20	28043362	28043524	Gmdrm	hypo	CG	-0.1284
Gm20	28081142	28081343	Gmdrm	hypo	CG	-0.105
Gm20	28115046	28115173	Gmdrm	hypo	CG	-0.1528
Gm20	28151119	28151776	Gmdrm	hypo	CG	-0.0455
Gm20	28301596	28301689	Gmdrm	hypo	CG	-0.5791
Gm20	28335603	28335742	Gmdrm	hypo	CG	-0.0722
Gm20	28387458	28387575	Gmdrm	hypo	CG	-0.0957
Gm20	28400687	28401127	Gmdrm	hypo	CG	-0.4913
Gm20	28420735	28420805	Gmdrm	hypo	CG	-0.1612
Gm20	28432437	28432618	Gmdrm	hypo	CG	-0.1536
Gm20	28514791	28514895	Gmdrm	hypo	CG	-0.4641
Gm20	28524077	28524294	Gmdrm	hypo	CG	-0.0844
Gm20	28758219	28758245	Gmdrm	hypo	CG	-0.4017
Gm20	28815158	28815245	Gmdrm	hypo	CG	-0.0546
Gm20	28876157	28876416	Gmdrm	hypo	CG	-0.04
Gm20	28897177	28897295	Gmdrm	hypo	CG	-0.7275
Gm20	28897474	28897634	Gmdrm	hypo	CG	-0.977
Gm20	28898158	28898215	Gmdrm	hypo	CG	-0.9725
Gm20	28917378	28917466	Gmdrm	hypo	CG	-0.1316
Gm20	28992182	28992287	Gmdrm	hypo	CG	-0.776
Gm20	29133112	29133557	Gmdrm	hypo	CG	-0.7489
Gm20	29182064	29182371	Gmdrm	hypo	CG	-0.0871
Gm20	29183129	29183450	Gmdrm	hypo	CG	-0.0568
Gm20	29185901	29186169	Gmdrm	hypo	CG	-0.069
Gm20	29190403	29190535	Gmdrm	hypo	CG	-0.08
Gm20	29220939	29221201	Gmdrm	hypo	CG	-0.0742
Gm20	29239524	29239746	Gmdrm	hypo	CG	-0.0477
Gm20	29319669	29319754	Gmdrm	hypo	CG	-0.986
Gm20	29349291	29349604	Gmdrm	hypo	CG	-0.3337
Gm20	29435135	29435262	Gmdrm	hypo	CG	-0.1882
Gm20	29454843	29454942	Gmdrm	hypo	CG	-0.119
Gm20	29509774	29509987	Gmdrm	hypo	CG	-0.1651
Gm20	29526934	29527038	Gmdrm	hypo	CG	-0.142
Gm20	29531944	29532194	Gmdrm	hypo	CG	-0.0508
Gm20	29676177	29676677	Gmdrm	hypo	CG	-0.0996
Gm20	29714807	29715035	Gmdrm	hypo	CG	-0.1363
Gm20	29729286	29729759	Gmdrm	hypo	CG	-0.0343
Gm20	29789997	29790172	Gmdrm	hypo	CG	-0.0863
Gm20	29805759	29805940	Gmdrm	hypo	CG	-0.5937
Gm20	29854140	29854157	Gmdrm	hypo	CG	-0.105
Gm20	29873503	29873609	Gmdrm	hypo	CG	-0.7757
Gm20	29948252	29948492	Gmdrm	hypo	CG	-0.085

Gm20	29994788	29994877	Gmdrm	hypo	CG	-0.545
Gm20	30016039	30016097	Gmdrm	hypo	CG	-0.068
Gm20	30055012	30055926	Gmdrm	hypo	CG	-0.0358
Gm20	30072606	30072657	Gmdrm	hypo	CG	-0.0966
Gm20	30100256	30100920	Gmdrm	hypo	CG	-0.0475
Gm20	30158470	30158644	Gmdrm	hypo	CG	-0.048
Gm20	30158809	30158980	Gmdrm	hypo	CG	-0.5212
Gm20	30174187	30174540	Gmdrm	hypo	CG	-0.385
Gm20	30209700	30209747	Gmdrm	hypo	CG	-0.0537
Gm20	30230638	30230936	Gmdrm	hypo	CG	-0.0434
Gm20	30244000	30244199	Gmdrm	hypo	CG	-0.0477
Gm20	30261039	30261220	Gmdrm	hypo	CG	-0.0364
Gm20	30339643	30339869	Gmdrm	hypo	CG	-0.1123
Gm20	30381927	30382107	Gmdrm	hypo	CG	-0.5391
Gm20	30382256	30382515	Gmdrm	hypo	CG	-0.585
Gm20	30386416	30386668	Gmdrm	hypo	CG	-0.5075
Gm20	30396903	30397181	Gmdrm	hypo	CG	-0.2892
Gm20	30421929	30422315	Gmdrm	hypo	CG	-0.0556
Gm20	30461350	30461440	Gmdrm	hypo	CG	-0.034
Gm20	30480043	30480172	Gmdrm	hypo	CG	-0.0412
Gm20	30489206	30489529	Gmdrm	hypo	CG	-0.4683
Gm20	30495248	30495308	Gmdrm	hypo	CG	-0.8866
Gm20	30505808	30505859	Gmdrm	hypo	CG	-0.0867
Gm20	30594287	30594757	Gmdrm	hypo	CG	-0.2852
Gm20	30656744	30656877	Gmdrm	hypo	CG	-0.2151
Gm20	30662166	30662326	Gmdrm	hypo	CG	-0.3425
Gm20	30729703	30729813	Gmdrm	hypo	CG	-0.9633
Gm20	30752467	30752494	Gmdrm	hypo	CG	-0.3125
Gm20	30752683	30752804	Gmdrm	hypo	CG	-0.8017
Gm20	30755007	30755131	Gmdrm	hypo	CG	-0.62
Gm20	30762269	30762668	Gmdrm	hypo	CG	-0.0228
Gm20	30764501	30764731	Gmdrm	hypo	CG	-0.1786
Gm20	30770892	30771174	Gmdrm	hypo	CG	-0.5323
Gm20	30771482	30771559	Gmdrm	hypo	CG	-0.4329
Gm20	30800489	30800597	Gmdrm	hypo	CG	-0.715
Gm20	30801456	30801488	Gmdrm	hypo	CG	-0.63
Gm20	30801616	30801680	Gmdrm	hypo	CG	-0.18
Gm20	30801784	30801933	Gmdrm	hypo	CG	-0.6366
Gm20	30844935	30845230	Gmdrm	hypo	CG	-0.455
Gm20	30846137	30846235	Gmdrm	hypo	CG	-0.565
Gm20	30846603	30846646	Gmdrm	hypo	CG	-0.2312
Gm20	30854067	30854156	Gmdrm	hypo	CG	-0.3086
Gm20	30859617	30859765	Gmdrm	hypo	CG	-0.8333
Gm20	30894248	30894539	Gmdrm	hypo	CG	-0.0754
Gm20	30900652	30900789	Gmdrm	hypo	CG	-0.1483
Gm20	30903925	30903952	Gmdrm	hypo	CG	-0.055

Gm20	30921076	30921236	Gmdrm	hypo	CG	-0.2742
Gm20	30984539	30984723	Gmdrm	hypo	CG	-0.0433
Gm20	31025544	31025648	Gmdrm	hypo	CG	-0.13
Gm20	31055036	31055230	Gmdrm	hypo	CG	-0.075
Gm20	31082882	31083028	Gmdrm	hypo	CG	-0.8246
Gm20	31084235	31084490	Gmdrm	hypo	CG	-0.1538
Gm20	31085851	31085936	Gmdrm	hypo	CG	-0.0975
Gm20	31092557	31092679	Gmdrm	hypo	CG	-0.095
Gm20	31094216	31094234	Gmdrm	hypo	CG	-0.295
Gm20	31094666	31094695	Gmdrm	hypo	CG	-0.2525
Gm20	31095959	31095972	Gmdrm	hypo	CG	-0.7467
Gm20	31108359	31108430	Gmdrm	hypo	CG	-0.055
Gm20	31112094	31112190	Gmdrm	hypo	CG	-0.105
Gm20	31120754	31120791	Gmdrm	hypo	CG	-0.468
Gm20	31148635	31148874	Gmdrm	hypo	CG	-0.721
Gm20	31152219	31152412	Gmdrm	hypo	CG	-0.6316
Gm20	31165612	31166228	Gmdrm	hypo	CG	-0.0227
Gm20	31182104	31182217	Gmdrm	hypo	CG	-0.57
Gm20	31183812	31184043	Gmdrm	hypo	CG	-0.9091
Gm20	31232835	31233031	Gmdrm	hypo	CG	-0.0383
Gm20	31236067	31236190	Gmdrm	hypo	CG	-0.098
Gm20	31236501	31236584	Gmdrm	hypo	CG	-0.5933
Gm20	31279360	31279496	Gmdrm	hypo	CG	-0.207
Gm20	31325795	31325822	Gmdrm	hypo	CG	-0.4217
Gm20	31330444	31330497	Gmdrm	hypo	CG	-0.482
Gm20	31394893	31394901	Gmdrm	hypo	CG	-0.385
Gm20	31396581	31396675	Gmdrm	hypo	CG	-0.2917
Gm20	31397004	31397103	Gmdrm	hypo	CG	-0.8584
Gm20	31398442	31398966	Gmdrm	hypo	CG	-0.0577
Gm20	31399339	31399517	Gmdrm	hypo	CG	-0.7088
Gm20	31409572	31409752	Gmdrm	hypo	CG	-0.0858
Gm20	31420805	31421470	Gmdrm	hypo	CG	-0.1223
Gm20	31431879	31431976	Gmdrm	hypo	CG	-0.102
Gm20	31434086	31434190	Gmdrm	hypo	CG	-0.927
Gm20	31435016	31435079	Gmdrm	hypo	CG	-0.0963
Gm20	31461484	31461725	Gmdrm	hypo	CG	-0.715
Gm20	31488030	31488163	Gmdrm	hypo	CG	-0.08
Gm20	31489042	31489098	Gmdrm	hypo	CG	-0.4213
Gm20	31545735	31546057	Gmdrm	hypo	CG	-0.1587
Gm20	31588578	31588636	Gmdrm	hypo	CG	-0.4
Gm20	31590085	31590237	Gmdrm	hypo	CG	-0.125
Gm20	31611017	31611234	Gmdrm	hypo	CG	-0.05
Gm20	31615556	31615721	Gmdrm	hypo	CG	-0.628
Gm20	31647483	31647816	Gmdrm	hypo	CG	-0.0391
Gm20	31653416	31653648	Gmdrm	hypo	CG	-0.6305
Gm20	31667202	31667491	Gmdrm	hypo	CG	-0.0494

Gm20	31676953	31677048	Gmdrm	hypo	CG	-0.716
Gm20	31680457	31680856	Gmdrm	hypo	CG	-0.0253
Gm20	31692585	31692761	Gmdrm	hypo	CG	-0.955
Gm20	31693381	31693613	Gmdrm	hypo	CG	-0.1287
Gm20	31721818	31722041	Gmdrm	hypo	CG	-0.1038
Gm20	31722835	31723064	Gmdrm	hypo	CG	-0.42
Gm20	31728613	31728961	Gmdrm	hypo	CG	-0.267
Gm20	31745911	31746069	Gmdrm	hypo	CG	-0.6384
Gm20	31849577	31849696	Gmdrm	hypo	CG	-0.0443
Gm20	31873484	31873967	Gmdrm	hypo	CG	-0.0444
Gm20	31951139	31951268	Gmdrm	hypo	CG	-0.549
Gm20	31952337	31952454	Gmdrm	hypo	CG	-0.0926
Gm20	31953752	31953859	Gmdrm	hypo	CG	-0.387
Gm20	31954125	31954293	Gmdrm	hypo	CG	-0.2113
Gm20	31999560	31999776	Gmdrm	hypo	CG	-0.4738
Gm20	32040006	32040275	Gmdrm	hypo	CG	-0.4609
Gm20	32071963	32072050	Gmdrm	hypo	CG	-0.1266
Gm20	32108491	32108709	Gmdrm	hypo	CG	-0.055
Gm20	32179808	32180095	Gmdrm	hypo	CG	-0.0442
Gm20	32191524	32191744	Gmdrm	hypo	CG	-0.0446
Gm20	32228550	32228592	Gmdrm	hypo	CG	-0.0416
Gm20	32283973	32284539	Gmdrm	hypo	CG	-0.0307
Gm20	32331288	32331881	Gmdrm	hypo	CG	-0.0325
Gm20	32400355	32400495	Gmdrm	hypo	CG	-0.0508
Gm20	32422644	32422793	Gmdrm	hypo	CG	-0.556
Gm20	32424654	32424750	Gmdrm	hypo	CG	-0.587
Gm20	32447282	32447396	Gmdrm	hypo	CG	-0.76
Gm20	32480349	32480669	Gmdrm	hypo	CG	-0.3955
Gm20	32488533	32488565	Gmdrm	hypo	CG	-0.7833
Gm20	32488970	32489006	Gmdrm	hypo	CG	-0.865
Gm20	32489144	32489304	Gmdrm	hypo	CG	-0.3225
Gm20	32493953	32494000	Gmdrm	hypo	CG	-0.145
Gm20	32499384	32499458	Gmdrm	hypo	CG	-0.3337
Gm20	32539365	32539489	Gmdrm	hypo	CG	-0.7641
Gm20	32634533	32634593	Gmdrm	hypo	CG	-0.8667
Gm20	32641433	32641609	Gmdrm	hypo	CG	-0.2692
Gm20	32692639	32692756	Gmdrm	hypo	CG	-0.03
Gm20	32703794	32703907	Gmdrm	hypo	CG	-0.08
Gm20	32712487	32712773	Gmdrm	hypo	CG	-0.0482
Gm20	32719136	32719322	Gmdrm	hypo	CG	-0.325
Gm20	32723739	32724245	Gmdrm	hypo	CG	-0.4309
Gm20	32724366	32724478	Gmdrm	hypo	CG	-0.5384
Gm20	32725402	32725512	Gmdrm	hypo	CG	-0.4588
Gm20	32744767	32745094	Gmdrm	hypo	CG	-0.2823
Gm20	32748232	32748290	Gmdrm	hypo	CG	-0.0367
Gm20	32797065	32797372	Gmdrm	hypo	CG	-0.0528

Gm20	32809769	32810137	Gmdrm	hypo	CG	-0.0362
Gm20	32829604	32829776	Gmdrm	hypo	CG	-0.0525
Gm20	32872213	32872454	Gmdrm	hypo	CG	-0.0615
Gm20	32876831	32876961	Gmdrm	hypo	CG	-0.379
Gm20	32877072	32877141	Gmdrm	hypo	CG	-0.7617
Gm20	32879890	32879950	Gmdrm	hypo	CG	-0.7817
Gm20	32884423	32884535	Gmdrm	hypo	CG	-0.23
Gm20	32897931	32898416	Gmdrm	hypo	CG	-0.31
Gm20	32936548	32936727	Gmdrm	hypo	CG	-0.2081
Gm20	32937832	32938189	Gmdrm	hypo	CG	-0.4059
Gm20	32938830	32938968	Gmdrm	hypo	CG	-0.054
Gm20	32957690	32957916	Gmdrm	hypo	CG	-0.0487
Gm20	32958670	32958979	Gmdrm	hypo	CG	-0.0579
Gm20	32985401	32985513	Gmdrm	hypo	CG	-0.2029
Gm20	32995106	32995184	Gmdrm	hypo	CG	-0.0684
Gm20	33002195	33002518	Gmdrm	hypo	CG	-0.1547
Gm20	33060331	33060413	Gmdrm	hypo	CG	-0.865
Gm20	33088451	33088493	Gmdrm	hypo	CG	-0.78
Gm20	33096690	33096762	Gmdrm	hypo	CG	-0.21
Gm20	33105086	33105207	Gmdrm	hypo	CG	-0.422
Gm20	33139699	33139775	Gmdrm	hypo	CG	-0.585
Gm20	33148149	33148165	Gmdrm	hypo	CG	-0.1867
Gm20	33169933	33170148	Gmdrm	hypo	CG	-0.716
Gm20	33194966	33195009	Gmdrm	hypo	CG	-0.736
Gm20	33195137	33195218	Gmdrm	hypo	CG	-0.676
Gm20	33220682	33220772	Gmdrm	hypo	CG	-0.0883
Gm20	33224722	33224854	Gmdrm	hypo	CG	-0.135
Gm20	33236143	33236222	Gmdrm	hypo	CG	-0.87
Gm20	33246471	33246566	Gmdrm	hypo	CG	-0.702
Gm20	33249567	33249658	Gmdrm	hypo	CG	-0.5433
Gm20	33265654	33266022	Gmdrm	hypo	CG	-0.0262
Gm20	33341696	33341789	Gmdrm	hypo	CG	-0.0534
Gm20	33386927	33387046	Gmdrm	hypo	CG	-0.497
Gm20	33420283	33420580	Gmdrm	hypo	CG	-0.0709
Gm20	33426251	33426972	Gmdrm	hypo	CG	-0.0809
Gm20	33427257	33427336	Gmdrm	hypo	CG	-0.925
Gm20	33436861	33437091	Gmdrm	hypo	CG	-0.435
Gm20	33437200	33437326	Gmdrm	hypo	CG	-0.865
Gm20	33437532	33437847	Gmdrm	hypo	CG	-0.8694
Gm20	33471611	33471929	Gmdrm	hypo	CG	-0.37
Gm20	33488947	33489267	Gmdrm	hypo	CG	-0.0367
Gm20	33498534	33498673	Gmdrm	hypo	CG	-0.42
Gm20	33498955	33499315	Gmdrm	hypo	CG	-0.2137
Gm20	33510496	33510716	Gmdrm	hypo	CG	-0.048
Gm20	33531086	33531191	Gmdrm	hypo	CG	-0.5043
Gm20	33533766	33534027	Gmdrm	hypo	CG	-0.1887

Gm20	33534563	33534928	Gmdrm	hypo	CG	-0.085
Gm20	33536403	33536546	Gmdrm	hypo	CG	-0.143
Gm20	33543437	33543556	Gmdrm	hypo	CG	-0.2233
Gm20	33567184	33567521	Gmdrm	hypo	CG	-0.2854
Gm20	33576596	33576700	Gmdrm	hypo	CG	-0.71
Gm20	33585745	33585876	Gmdrm	hypo	CG	-0.09
Gm20	33593736	33593834	Gmdrm	hypo	CG	-0.7787
Gm20	33594652	33594815	Gmdrm	hypo	CG	-0.3637
Gm20	33621372	33621426	Gmdrm	hypo	CG	-0.255
Gm20	33639135	33639230	Gmdrm	hypo	CG	-0.8066
Gm20	33643068	33643267	Gmdrm	hypo	CG	-0.325
Gm20	33667008	33667281	Gmdrm	hypo	CG	-0.874
Gm20	33668998	33669044	Gmdrm	hypo	CG	-0.765
Gm20	33669687	33670073	Gmdrm	hypo	CG	-0.0228
Gm20	33683492	33683659	Gmdrm	hypo	CG	-0.034
Gm20	33702994	33703406	Gmdrm	hypo	CG	-0.0285
Gm20	33706635	33706814	Gmdrm	hypo	CG	-0.2663
Gm20	33707271	33707288	Gmdrm	hypo	CG	-0.2417
Gm20	33725092	33725122	Gmdrm	hypo	CG	-0.8588
Gm20	33744394	33744592	Gmdrm	hypo	CG	-0.871
Gm20	33761070	33761185	Gmdrm	hypo	CG	-0.03
Gm20	33761307	33761323	Gmdrm	hypo	CG	-0.2916
Gm20	33788846	33789000	Gmdrm	hypo	CG	-0.8722
Gm20	33802743	33802833	Gmdrm	hypo	CG	-0.2733
Gm20	33819529	33819615	Gmdrm	hypo	CG	-0.6716
Gm20	33836931	33837079	Gmdrm	hypo	CG	-0.04
Gm20	33838471	33838598	Gmdrm	hypo	CG	-0.1642
Gm20	33847465	33847642	Gmdrm	hypo	CG	-0.8875
Gm20	33890684	33891018	Gmdrm	hypo	CG	-0.8424
Gm20	33897424	33897441	Gmdrm	hypo	CG	-0.9117
Gm20	33910501	33911491	Gmdrm	hypo	CG	-0.0706
Gm20	33933767	33934508	Gmdrm	hypo	CG	-0.0991
Gm20	33957112	33958097	Gmdrm	hypo	CG	-0.2539
Gm20	33958163	33958357	Gmdrm	hypo	CG	-0.4834
Gm20	33959643	33959813	Gmdrm	hypo	CG	-0.9225
Gm20	33970713	33970824	Gmdrm	hypo	CG	-0.96
Gm20	33983743	33983958	Gmdrm	hypo	CG	-0.552
Gm20	33996440	33996528	Gmdrm	hypo	CG	-0.882
Gm20	34077226	34077372	Gmdrm	hypo	CG	-0.6533
Gm20	34080238	34080401	Gmdrm	hypo	CG	-0.4112
Gm20	34081023	34081107	Gmdrm	hypo	CG	-0.4967
Gm20	34101575	34101608	Gmdrm	hypo	CG	-0.6283
Gm20	34110021	34110206	Gmdrm	hypo	CG	-0.6734
Gm20	34111096	34111277	Gmdrm	hypo	CG	-0.7013
Gm20	34111406	34111503	Gmdrm	hypo	CG	-0.75
Gm20	34111709	34111871	Gmdrm	hypo	CG	-0.7991

Gm20	34119921	34120350	Gmdrm	hypo	CG	-0.0376
Gm20	34157469	34157683	Gmdrm	hypo	CG	-0.1365
Gm20	34225131	34225229	Gmdrm	hypo	CG	-0.4817
Gm20	34226008	34226110	Gmdrm	hypo	CG	-0.297
Gm20	34226478	34226596	Gmdrm	hypo	CG	-0.9541
Gm20	34226754	34227120	Gmdrm	hypo	CG	-0.315
Gm20	34230567	34230747	Gmdrm	hypo	CG	-0.8967
Gm20	34254427	34254615	Gmdrm	hypo	CG	-0.5957
Gm20	34267221	34267297	Gmdrm	hypo	CG	-0.9833
Gm20	34280843	34280977	Gmdrm	hypo	CG	-0.23
Gm20	34299143	34299234	Gmdrm	hypo	CG	-0.395
Gm20	34302466	34302518	Gmdrm	hypo	CG	-0.304
Gm20	34355304	34355380	Gmdrm	hypo	CG	-0.3088
Gm20	34456103	34456180	Gmdrm	hypo	CG	-0.521
Gm20	34504962	34505609	Gmdrm	hypo	CG	-0.0345
Gm20	34507988	34508061	Gmdrm	hypo	CG	-0.0437
Gm20	34509072	34509212	Gmdrm	hypo	CG	-0.075
Gm20	34509455	34510440	Gmdrm	hypo	CG	-0.0335
Gm20	34522236	34522314	Gmdrm	hypo	CG	-0.739
Gm20	34531810	34531952	Gmdrm	hypo	CG	-0.405
Gm20	34532106	34532257	Gmdrm	hypo	CG	-0.5575
Gm20	34539873	34539970	Gmdrm	hypo	CG	-0.1878
Gm20	34576533	34576722	Gmdrm	hypo	CG	-0.9427
Gm20	34585345	34585502	Gmdrm	hypo	CG	-0.2968
Gm20	34585719	34585875	Gmdrm	hypo	CG	-0.9694
Gm20	34591463	34591659	Gmdrm	hypo	CG	-0.7942
Gm20	34592696	34592821	Gmdrm	hypo	CG	-0.63
Gm20	34600311	34600474	Gmdrm	hypo	CG	-0.4856
Gm20	34604651	34604784	Gmdrm	hypo	CG	-0.1922
Gm20	34617621	34617682	Gmdrm	hypo	CG	-0.5562
Gm20	34630406	34630754	Gmdrm	hypo	CG	-0.4253
Gm20	34648663	34648804	Gmdrm	hypo	CG	-0.4875
Gm20	34654806	34655069	Gmdrm	hypo	CG	-0.1835
Gm20	34656315	34656696	Gmdrm	hypo	CG	-0.3245
Gm20	34678402	34678518	Gmdrm	hypo	CG	-0.436
Gm20	34679083	34679153	Gmdrm	hypo	CG	-0.1116
Gm20	34681759	34681880	Gmdrm	hypo	CG	-0.1706
Gm20	34683447	34683548	Gmdrm	hypo	CG	-0.106
Gm20	34683906	34684025	Gmdrm	hypo	CG	-0.7934
Gm20	34686805	34686862	Gmdrm	hypo	CG	-0.054
Gm20	34689130	34689171	Gmdrm	hypo	CG	-0.6566
Gm20	34697159	34697623	Gmdrm	hypo	CG	-0.6579
Gm20	34700154	34700220	Gmdrm	hypo	CG	-0.03
Gm20	34703325	34703608	Gmdrm	hypo	CG	-0.7125
Gm20	34707519	34707613	Gmdrm	hypo	CG	-0.0656
Gm20	34708573	34708890	Gmdrm	hypo	CG	-0.2581

Gm20	34771290	34771645	Gmdrm	hypo	CG	-0.2019
Gm20	34779762	34779865	Gmdrm	hypo	CG	-0.6262
Gm20	34791443	34791475	Gmdrm	hypo	CG	-0.9733
Gm20	34799711	34799858	Gmdrm	hypo	CG	-0.7434
Gm20	34799959	34800063	Gmdrm	hypo	CG	-0.7883
Gm20	34800242	34800398	Gmdrm	hypo	CG	-0.6725
Gm20	34818225	34818307	Gmdrm	hypo	CG	-0.169
Gm20	34818561	34819124	Gmdrm	hypo	CG	-0.1412
Gm20	34882272	34882508	Gmdrm	hypo	CG	-0.936
Gm20	34922447	34922520	Gmdrm	hypo	CG	-0.7558
Gm20	34986078	34986189	Gmdrm	hypo	CG	-0.0383
Gm20	35017979	35018191	Gmdrm	hypo	CG	-0.2378
Gm20	35053724	35053820	Gmdrm	hypo	CG	-0.4175
Gm20	35072740	35072953	Gmdrm	hypo	CG	-0.6707
Gm20	35093196	35093419	Gmdrm	hypo	CG	-0.1813
Gm20	35093619	35093870	Gmdrm	hypo	CG	-0.7583
Gm20	35101344	35101413	Gmdrm	hypo	CG	-0.62
Gm20	35119418	35119610	Gmdrm	hypo	CG	-0.5872
Gm20	35130277	35130287	Gmdrm	hypo	CG	-0.4317
Gm20	35144124	35144188	Gmdrm	hypo	CG	-0.9338
Gm20	35147460	35147742	Gmdrm	hypo	CG	-0.21
Gm20	35147937	35148409	Gmdrm	hypo	CG	-0.2208
Gm20	35149747	35149850	Gmdrm	hypo	CG	-0.059
Gm20	35175439	35175625	Gmdrm	hypo	CG	-0.3788
Gm20	35176584	35176677	Gmdrm	hypo	CG	-0.1666
Gm20	35184538	35184738	Gmdrm	hypo	CG	-0.0363
Gm20	35223377	35223576	Gmdrm	hypo	CG	-0.9321
Gm20	35251463	35251746	Gmdrm	hypo	CG	-0.6975
Gm20	35263138	35263241	Gmdrm	hypo	CG	-0.0975
Gm20	35269271	35269432	Gmdrm	hypo	CG	-0.9412
Gm20	35270859	35271109	Gmdrm	hypo	CG	-0.173
Gm20	35297474	35297687	Gmdrm	hypo	CG	-0.469
Gm20	35297917	35298299	Gmdrm	hypo	CG	-0.6119
Gm20	35298563	35298603	Gmdrm	hypo	CG	-0.2483
Gm20	35304869	35305193	Gmdrm	hypo	CG	-0.8366
Gm20	35313899	35313984	Gmdrm	hypo	CG	-0.2467
Gm20	35328643	35328767	Gmdrm	hypo	CG	-0.7472
Gm20	35329491	35329672	Gmdrm	hypo	CG	-0.4588
Gm20	35333529	35333753	Gmdrm	hypo	CG	-0.9708
Gm20	35346389	35346509	Gmdrm	hypo	CG	-0.0257
Gm20	35368228	35368359	Gmdrm	hypo	CG	-0.4658
Gm20	35368485	35368614	Gmdrm	hypo	CG	-0.24
Gm20	35390375	35390531	Gmdrm	hypo	CG	-0.655
Gm20	35409965	35410256	Gmdrm	hypo	CG	-0.4839
Gm20	35410681	35410939	Gmdrm	hypo	CG	-0.8
Gm20	35412641	35412939	Gmdrm	hypo	CG	-0.563

Gm20	35428605	35428700	Gmdrm	hypo	CG	-0.4933
Gm20	35428988	35429195	Gmdrm	hypo	CG	-0.639
Gm20	35460003	35460245	Gmdrm	hypo	CG	-0.1667
Gm20	35460519	35460641	Gmdrm	hypo	CG	-0.44
Gm20	35478728	35478842	Gmdrm	hypo	CG	-0.98
Gm20	35490344	35490419	Gmdrm	hypo	CG	-0.3442
Gm20	35505595	35505664	Gmdrm	hypo	CG	-0.9667
Gm20	35505934	35505987	Gmdrm	hypo	CG	-0.798
Gm20	35540980	35541427	Gmdrm	hypo	CG	-0.1
Gm20	35560593	35560805	Gmdrm	hypo	CG	-0.4025
Gm20	35566450	35566919	Gmdrm	hypo	CG	-0.0332
Gm20	35599827	35599940	Gmdrm	hypo	CG	-0.8688
Gm20	35602016	35602101	Gmdrm	hypo	CG	-0.3
Gm20	35603225	35603298	Gmdrm	hypo	CG	-0.23
Gm20	35611583	35611858	Gmdrm	hypo	CG	-0.0711
Gm20	35616619	35616896	Gmdrm	hypo	CG	-0.0589
Gm20	35625363	35625460	Gmdrm	hypo	CG	-0.6234
Gm20	35625566	35625610	Gmdrm	hypo	CG	-0.9337
Gm20	35625772	35625862	Gmdrm	hypo	CG	-0.91
Gm20	35640880	35641030	Gmdrm	hypo	CG	-0.5057
Gm20	35641150	35641439	Gmdrm	hypo	CG	-0.3446
Gm20	35642481	35642553	Gmdrm	hypo	CG	-0.4275
Gm20	35642816	35643525	Gmdrm	hypo	CG	-0.6458
Gm20	35670092	35670308	Gmdrm	hypo	CG	-0.4006
Gm20	35688081	35688246	Gmdrm	hypo	CG	-0.035
Gm20	35717665	35717682	Gmdrm	hypo	CG	-0.9667
Gm20	35717796	35717834	Gmdrm	hypo	CG	-0.976
Gm20	35724364	35724473	Gmdrm	hypo	CG	-0.4833
Gm20	35728041	35728255	Gmdrm	hypo	CG	-0.1394
Gm20	35743098	35743507	Gmdrm	hypo	CG	-0.4646
Gm20	35743974	35744113	Gmdrm	hypo	CG	-0.8963
Gm20	35744349	35744598	Gmdrm	hypo	CG	-0.7442
Gm20	35745755	35746086	Gmdrm	hypo	CG	-0.41
Gm20	35825361	35825426	Gmdrm	hypo	CG	-0.3
Gm20	35825781	35825810	Gmdrm	hypo	CG	-0.6567
Gm20	35826400	35826456	Gmdrm	hypo	CG	-0.1287
Gm20	35830980	35831332	Gmdrm	hypo	CG	-0.6229
Gm20	35835112	35835414	Gmdrm	hypo	CG	-0.9035
Gm20	35837502	35837863	Gmdrm	hypo	CG	-0.0337
Gm20	35839415	35839880	Gmdrm	hypo	CG	-0.0766
Gm20	35839986	35840267	Gmdrm	hypo	CG	-0.7069
Gm20	35856818	35856849	Gmdrm	hypo	CG	-0.305
Gm20	35856980	35857107	Gmdrm	hypo	CG	-0.5483
Gm20	35902409	35902512	Gmdrm	hypo	CG	-0.935
Gm20	35902926	35902989	Gmdrm	hypo	CG	-0.815
Gm20	35918992	35919185	Gmdrm	hypo	CG	-0.1236

Gm20	35923764	35923846	Gmdrm	hypo	CG	-0.8833
Gm20	35928940	35929136	Gmdrm	hypo	CG	-0.7242
Gm20	35929385	35929547	Gmdrm	hypo	CG	-0.72
Gm20	35982234	35982404	Gmdrm	hypo	CG	-0.9325
Gm20	36005052	36005089	Gmdrm	hypo	CG	-0.3287
Gm20	36020944	36021094	Gmdrm	hypo	CG	-0.1746
Gm20	36022968	36023266	Gmdrm	hypo	CG	-0.3768
Gm20	36023640	36023783	Gmdrm	hypo	CG	-0.6144
Gm20	36030066	36030104	Gmdrm	hypo	CG	-0.8466
Gm20	36045261	36045452	Gmdrm	hypo	CG	-0.283
Gm20	36076697	36076850	Gmdrm	hypo	CG	-0.5801
Gm20	36105417	36105574	Gmdrm	hypo	CG	-0.4862
Gm20	36120415	36120525	Gmdrm	hypo	CG	-0.032
Gm20	36131803	36131993	Gmdrm	hypo	CG	-0.6144
Gm20	36141253	36141384	Gmdrm	hypo	CG	-0.3766
Gm20	36141836	36142197	Gmdrm	hypo	CG	-0.8062
Gm20	36162892	36163208	Gmdrm	hypo	CG	-0.66
Gm20	36163313	36163415	Gmdrm	hypo	CG	-0.2583
Gm20	36230391	36230559	Gmdrm	hypo	CG	-0.488
Gm20	36280720	36280750	Gmdrm	hypo	CG	-0.7133
Gm20	36299352	36299464	Gmdrm	hypo	CG	-0.7863
Gm20	36310624	36310839	Gmdrm	hypo	CG	-0.806
Gm20	36311968	36312110	Gmdrm	hypo	CG	-0.38
Gm20	36316311	36316401	Gmdrm	hypo	CG	-0.9029
Gm20	36322807	36322857	Gmdrm	hypo	CG	-0.99
Gm20	36339243	36339579	Gmdrm	hypo	CG	-0.3304
Gm20	36346950	36347474	Gmdrm	hypo	CG	-0.2461
Gm20	36364110	36364290	Gmdrm	hypo	CG	-0.036
Gm20	36386889	36386970	Gmdrm	hypo	CG	-0.8275
Gm20	36392287	36392488	Gmdrm	hypo	CG	-0.9644
Gm20	36404189	36404479	Gmdrm	hypo	CG	-0.0364
Gm20	36408052	36408114	Gmdrm	hypo	CG	-0.6016
Gm20	36421521	36421783	Gmdrm	hypo	CG	-0.7325
Gm20	36458185	36458278	Gmdrm	hypo	CG	-0.8167
Gm20	36461398	36461463	Gmdrm	hypo	CG	-0.635
Gm20	36461978	36462021	Gmdrm	hypo	CG	-0.915
Gm20	36474844	36474873	Gmdrm	hypo	CG	-0.15
Gm20	36475354	36476343	Gmdrm	hypo	CG	-0.1076
Gm20	36476496	36476541	Gmdrm	hypo	CG	-0.8066
Gm20	36480525	36480882	Gmdrm	hypo	CG	-0.8723
Gm20	36495563	36495651	Gmdrm	hypo	CG	-0.7484
Gm20	36541036	36541436	Gmdrm	hypo	CG	-0.1841
Gm20	36543304	36543494	Gmdrm	hypo	CG	-0.488
Gm20	36546502	36546558	Gmdrm	hypo	CG	-0.075
Gm20	36548308	36548607	Gmdrm	hypo	CG	-0.551
Gm20	36552272	36552333	Gmdrm	hypo	CG	-0.038

Gm20	36559947	36560005	Gmdrm	hypo	CG	-0.8115
Gm20	36603179	36603264	Gmdrm	hypo	CG	-0.5286
Gm20	36603460	36603497	Gmdrm	hypo	CG	-0.84
Gm20	36608204	36608331	Gmdrm	hypo	CG	-0.8657
Gm20	36609351	36609394	Gmdrm	hypo	CG	-0.0883
Gm20	36623282	36623401	Gmdrm	hypo	CG	-0.505
Gm20	36624304	36624479	Gmdrm	hypo	CG	-0.032
Gm20	36653771	36654009	Gmdrm	hypo	CG	-0.933
Gm20	36666856	36667474	Gmdrm	hypo	CG	-0.5112
Gm20	36668045	36668096	Gmdrm	hypo	CG	-0.79
Gm20	36669208	36669346	Gmdrm	hypo	CG	-0.0371
Gm20	36706109	36706703	Gmdrm	hypo	CG	-0.0729
Gm20	36729937	36730057	Gmdrm	hypo	CG	-0.125
Gm20	36732664	36733064	Gmdrm	hypo	CG	-0.0296
Gm20	36735619	36735863	Gmdrm	hypo	CG	-0.1761
Gm20	36750333	36750362	Gmdrm	hypo	CG	-0.8866
Gm20	36750515	36750784	Gmdrm	hypo	CG	-0.9
Gm20	36755233	36755452	Gmdrm	hypo	CG	-0.6354
Gm20	36758555	36758806	Gmdrm	hypo	CG	-0.04
Gm20	36760578	36760839	Gmdrm	hypo	CG	-0.1725
Gm20	36761073	36761178	Gmdrm	hypo	CG	-0.1878
Gm20	36779436	36779542	Gmdrm	hypo	CG	-0.938
Gm20	36789226	36789319	Gmdrm	hypo	CG	-0.451
Gm20	36827330	36827428	Gmdrm	hypo	CG	-0.0238
Gm20	36831660	36831673	Gmdrm	hypo	CG	-0.095
Gm20	36840190	36840521	Gmdrm	hypo	CG	-0.0375
Gm20	36875649	36876293	Gmdrm	hypo	CG	-0.2154
Gm20	36877661	36877877	Gmdrm	hypo	CG	-0.043
Gm20	36898221	36898299	Gmdrm	hypo	CG	-0.93
Gm20	36899690	36899802	Gmdrm	hypo	CG	-0.4537
Gm20	36900263	36900360	Gmdrm	hypo	CG	-0.4375
Gm20	36900585	36900618	Gmdrm	hypo	CG	-0.3234
Gm20	36904219	36904372	Gmdrm	hypo	CG	-0.6667
Gm20	36915133	36915211	Gmdrm	hypo	CG	-0.6167
Gm20	36915518	36915596	Gmdrm	hypo	CG	-0.76
Gm20	36928646	36928773	Gmdrm	hypo	CG	-0.923
Gm20	36928963	36929047	Gmdrm	hypo	CG	-0.72
Gm20	36929219	36929256	Gmdrm	hypo	CG	-0.85
Gm20	36943838	36943899	Gmdrm	hypo	CG	-0.735
Gm20	36956499	36956779	Gmdrm	hypo	CG	-0.5743
Gm20	36958825	36958892	Gmdrm	hypo	CG	-0.5775
Gm20	36965580	36965775	Gmdrm	hypo	CG	-0.3164
Gm20	36966271	36966320	Gmdrm	hypo	CG	-0.355
Gm20	36972350	36972446	Gmdrm	hypo	CG	-0.8525
Gm20	37030595	37030738	Gmdrm	hypo	CG	-0.038
Gm20	37040178	37040343	Gmdrm	hypo	CG	-0.6219

Gm20	37042431	37042693	Gmdrm	hypo	CG	-0.278
Gm20	37043604	37043775	Gmdrm	hypo	CG	-0.458
Gm20	37049025	37049153	Gmdrm	hypo	CG	-0.4442
Gm20	37053181	37053405	Gmdrm	hypo	CG	-0.0975
Gm20	37084537	37084691	Gmdrm	hypo	CG	-0.0571
Gm20	37198304	37198571	Gmdrm	hypo	CG	-0.0329
Gm20	37203053	37203200	Gmdrm	hypo	CG	-0.5757
Gm20	37214248	37214392	Gmdrm	hypo	CG	-0.028
Gm20	37216411	37216506	Gmdrm	hypo	CG	-0.3217
Gm20	37216622	37216953	Gmdrm	hypo	CG	-0.6654
Gm20	37217168	37217627	Gmdrm	hypo	CG	-0.3235
Gm20	37234437	37234545	Gmdrm	hypo	CG	-0.885
Gm20	37240630	37240764	Gmdrm	hypo	CG	-0.0914
Gm20	37246424	37246618	Gmdrm	hypo	CG	-0.054
Gm20	37247381	37247597	Gmdrm	hypo	CG	-0.885
Gm20	37261765	37261830	Gmdrm	hypo	CG	-0.79
Gm20	37264410	37264422	Gmdrm	hypo	CG	-0.5766
Gm20	37264997	37265047	Gmdrm	hypo	CG	-0.67
Gm20	37303902	37304002	Gmdrm	hypo	CG	-0.044
Gm20	37309664	37309699	Gmdrm	hypo	CG	-0.054
Gm20	37310265	37310415	Gmdrm	hypo	CG	-0.3657
Gm20	37325146	37325515	Gmdrm	hypo	CG	-0.7753
Gm20	37337642	37337789	Gmdrm	hypo	CG	-0.042
Gm20	37343803	37343845	Gmdrm	hypo	CG	-0.7484
Gm20	37349084	37349186	Gmdrm	hypo	CG	-0.954
Gm20	37386088	37386253	Gmdrm	hypo	CG	-0.685
Gm20	37394552	37394568	Gmdrm	hypo	CG	-0.5163
Gm20	37401414	37401587	Gmdrm	hypo	CG	-0.54
Gm20	37444409	37444797	Gmdrm	hypo	CG	-0.6045
Gm20	37453344	37453700	Gmdrm	hypo	CG	-0.3679
Gm20	37453891	37453974	Gmdrm	hypo	CG	-0.5266
Gm20	37456742	37456891	Gmdrm	hypo	CG	-0.7246
Gm20	37457473	37457655	Gmdrm	hypo	CG	-0.6635
Gm20	37562042	37562083	Gmdrm	hypo	CG	-0.106
Gm20	37583546	37583687	Gmdrm	hypo	CG	-0.619
Gm20	37607640	37607754	Gmdrm	hypo	CG	-0.855
Gm20	37613843	37613987	Gmdrm	hypo	CG	-0.5845
Gm20	37614224	37614513	Gmdrm	hypo	CG	-0.0871
Gm20	37622681	37622875	Gmdrm	hypo	CG	-0.4775
Gm20	37640567	37640627	Gmdrm	hypo	CG	-0.499
Gm20	37640797	37640938	Gmdrm	hypo	CG	-0.725
Gm20	37645432	37645498	Gmdrm	hypo	CG	-0.5267
Gm20	37652493	37652632	Gmdrm	hypo	CG	-0.109
Gm20	37653320	37653412	Gmdrm	hypo	CG	-0.2413
Gm20	37657989	37658112	Gmdrm	hypo	CG	-0.67
Gm20	37664664	37664976	Gmdrm	hypo	CG	-0.7911

Gm20	37666897	37667081	Gmdrm	hypo	CG	-0.0517
Gm20	37672353	37672410	Gmdrm	hypo	CG	-0.0981
Gm20	37675286	37675601	Gmdrm	hypo	CG	-0.1924
Gm20	37689776	37689852	Gmdrm	hypo	CG	-0.9183
Gm20	37709037	37709178	Gmdrm	hypo	CG	-0.8236
Gm20	37709474	37709768	Gmdrm	hypo	CG	-0.445
Gm20	37713057	37713197	Gmdrm	hypo	CG	-0.1561
Gm20	37719744	37719813	Gmdrm	hypo	CG	-0.3399
Gm20	37725906	37726006	Gmdrm	hypo	CG	-0.4129
Gm20	37749368	37749608	Gmdrm	hypo	CG	-0.4429
Gm20	37749934	37750003	Gmdrm	hypo	CG	-0.5166
Gm20	37757480	37757552	Gmdrm	hypo	CG	-0.0766
Gm20	37766490	37766741	Gmdrm	hypo	CG	-0.222
Gm20	37784418	37784546	Gmdrm	hypo	CG	-0.4625
Gm20	37784782	37784969	Gmdrm	hypo	CG	-0.35
Gm20	37822318	37822416	Gmdrm	hypo	CG	-0.6867
Gm20	37832557	37832689	Gmdrm	hypo	CG	-0.662
Gm20	37844603	37844793	Gmdrm	hypo	CG	-0.4931
Gm20	37876515	37876837	Gmdrm	hypo	CG	-0.3724
Gm20	37880827	37880956	Gmdrm	hypo	CG	-0.0291
Gm20	37912751	37912923	Gmdrm	hypo	CG	-0.7258
Gm20	37924566	37924642	Gmdrm	hypo	CG	-0.4638
Gm20	37939093	37939345	Gmdrm	hypo	CG	-0.0757
Gm20	37939990	37940080	Gmdrm	hypo	CG	-0.376
Gm20	37957307	37957419	Gmdrm	hypo	CG	-0.4541
Gm20	37957657	37957792	Gmdrm	hypo	CG	-0.7441
Gm20	37988355	37988598	Gmdrm	hypo	CG	-0.2325
Gm20	38012024	38012496	Gmdrm	hypo	CG	-0.0385
Gm20	38018450	38018626	Gmdrm	hypo	CG	-0.454
Gm20	38077795	38078004	Gmdrm	hypo	CG	-0.5177
Gm20	38079043	38079335	Gmdrm	hypo	CG	-0.4367
Gm20	38086917	38087188	Gmdrm	hypo	CG	-0.2105
Gm20	38087886	38088194	Gmdrm	hypo	CG	-0.0917
Gm20	38097289	38097419	Gmdrm	hypo	CG	-0.6513
Gm20	38099329	38099648	Gmdrm	hypo	CG	-0.8662
Gm20	38112514	38112723	Gmdrm	hypo	CG	-0.908
Gm20	38113196	38113288	Gmdrm	hypo	CG	-0.1825
Gm20	38115127	38115186	Gmdrm	hypo	CG	-0.6712
Gm20	38144758	38144921	Gmdrm	hypo	CG	-0.07
Gm20	38145968	38146070	Gmdrm	hypo	CG	-0.5937
Gm20	38146228	38146620	Gmdrm	hypo	CG	-0.265
Gm20	38153558	38153596	Gmdrm	hypo	CG	-0.9633
Gm20	38154750	38154842	Gmdrm	hypo	CG	-0.1512
Gm20	38157053	38157266	Gmdrm	hypo	CG	-0.445
Gm20	38206031	38206316	Gmdrm	hypo	CG	-0.5956
Gm20	38206571	38206716	Gmdrm	hypo	CG	-0.052

Gm20	38223518	38223680	Gmdrm	hypo	CG	-0.7613
Gm20	38223939	38224145	Gmdrm	hypo	CG	-0.8901
Gm20	38246253	38246321	Gmdrm	hypo	CG	-0.955
Gm20	38261833	38261987	Gmdrm	hypo	CG	-0.0483
Gm20	38299485	38299829	Gmdrm	hypo	CG	-0.1498
Gm20	38312998	38313051	Gmdrm	hypo	CG	-0.895
Gm20	38313182	38313887	Gmdrm	hypo	CG	-0.6007
Gm20	38339631	38339838	Gmdrm	hypo	CG	-0.0492
Gm20	38355447	38355561	Gmdrm	hypo	CG	-0.1533
Gm20	38364586	38364665	Gmdrm	hypo	CG	-0.1175
Gm20	38365190	38365317	Gmdrm	hypo	CG	-0.2233
Gm20	38437989	38438038	Gmdrm	hypo	CG	-0.9167
Gm20	38438266	38438514	Gmdrm	hypo	CG	-0.1083
Gm20	38452068	38452197	Gmdrm	hypo	CG	-0.8
Gm20	38460515	38460704	Gmdrm	hypo	CG	-0.2849
Gm20	38481443	38481525	Gmdrm	hypo	CG	-0.6985
Gm20	38482011	38482174	Gmdrm	hypo	CG	-0.8675
Gm20	38500148	38500182	Gmdrm	hypo	CG	-0.275
Gm20	38501070	38501283	Gmdrm	hypo	CG	-0.27
Gm20	38547087	38547246	Gmdrm	hypo	CG	-0.9662
Gm20	38557185	38557399	Gmdrm	hypo	CG	-0.91
Gm20	38563531	38563640	Gmdrm	hypo	CG	-0.858
Gm20	38565900	38565933	Gmdrm	hypo	CG	-0.9137
Gm20	38566302	38567299	Gmdrm	hypo	CG	-0.0744
Gm20	38595885	38595932	Gmdrm	hypo	CG	-0.9267
Gm20	38598988	38599141	Gmdrm	hypo	CG	-0.4671
Gm20	38603128	38603453	Gmdrm	hypo	CG	-0.9809
Gm20	38620677	38620830	Gmdrm	hypo	CG	-0.9482
Gm20	38641704	38642052	Gmdrm	hypo	CG	-0.7611
Gm20	38649766	38649826	Gmdrm	hypo	CG	-0.5438
Gm20	38657547	38657817	Gmdrm	hypo	CG	-0.555
Gm20	38667410	38667594	Gmdrm	hypo	CG	-0.4126
Gm20	38694148	38694324	Gmdrm	hypo	CG	-0.832
Gm20	38695116	38695264	Gmdrm	hypo	CG	-0.5834
Gm20	38725372	38725652	Gmdrm	hypo	CG	-0.4357
Gm20	38726862	38726911	Gmdrm	hypo	CG	-0.5708
Gm20	38734944	38735344	Gmdrm	hypo	CG	-0.783
Gm20	38745453	38745620	Gmdrm	hypo	CG	-0.6593
Gm20	38747054	38747287	Gmdrm	hypo	CG	-0.855
Gm20	38774740	38774909	Gmdrm	hypo	CG	-0.2738
Gm20	38804388	38804450	Gmdrm	hypo	CG	-0.9212
Gm20	38804731	38804874	Gmdrm	hypo	CG	-0.8157
Gm20	38806742	38806848	Gmdrm	hypo	CG	-0.8825
Gm20	38810414	38810543	Gmdrm	hypo	CG	-0.795
Gm20	38811628	38811767	Gmdrm	hypo	CG	-0.2367
Gm20	38818361	38818533	Gmdrm	hypo	CG	-0.8283

Gm20	38823387	38823594	Gmdrm	hypo	CG	-0.7363
Gm20	38829866	38829979	Gmdrm	hypo	CG	-0.8475
Gm20	38830136	38830187	Gmdrm	hypo	CG	-0.965
Gm20	38830337	38830370	Gmdrm	hypo	CG	-0.965
Gm20	38834074	38834304	Gmdrm	hypo	CG	-0.8814
Gm20	38853461	38853772	Gmdrm	hypo	CG	-0.581
Gm20	38870659	38870827	Gmdrm	hypo	CG	-0.9062
Gm20	38874807	38874839	Gmdrm	hypo	CG	-0.5367
Gm20	38877813	38877894	Gmdrm	hypo	CG	-0.588
Gm20	38885699	38885761	Gmdrm	hypo	CG	-0.05
Gm20	38892588	38892714	Gmdrm	hypo	CG	-0.525
Gm20	38894417	38894527	Gmdrm	hypo	CG	-0.046
Gm20	38895476	38895695	Gmdrm	hypo	CG	-0.6177
Gm20	38950846	38951153	Gmdrm	hypo	CG	-0.042
Gm20	38991002	38991131	Gmdrm	hypo	CG	-0.054
Gm20	39004902	39005060	Gmdrm	hypo	CG	-0.1406
Gm20	39005781	39006027	Gmdrm	hypo	CG	-0.1785
Gm20	39020636	39020789	Gmdrm	hypo	CG	-0.942
Gm20	39020936	39021137	Gmdrm	hypo	CG	-0.8634
Gm20	39068780	39068928	Gmdrm	hypo	CG	-0.9036
Gm20	39069129	39069222	Gmdrm	hypo	CG	-0.7109
Gm20	39081875	39082429	Gmdrm	hypo	CG	-0.16
Gm20	39105469	39105604	Gmdrm	hypo	CG	-0.96
Gm20	39124058	39124232	Gmdrm	hypo	CG	-0.4625
Gm20	39124559	39124881	Gmdrm	hypo	CG	-0.6731
Gm20	39128954	39129251	Gmdrm	hypo	CG	-0.0387
Gm20	39135700	39135836	Gmdrm	hypo	CG	-0.675
Gm20	39169554	39169596	Gmdrm	hypo	CG	-0.44
Gm20	39175768	39176035	Gmdrm	hypo	CG	-0.8393
Gm20	39184509	39184726	Gmdrm	hypo	CG	-0.898
Gm20	39185736	39185870	Gmdrm	hypo	CG	-0.3587
Gm20	39202079	39202190	Gmdrm	hypo	CG	-0.405
Gm20	39232541	39232606	Gmdrm	hypo	CG	-0.66
Gm20	39232737	39233072	Gmdrm	hypo	CG	-0.5125
Gm20	39287227	39287237	Gmdrm	hypo	CG	-0.05
Gm20	39299391	39299491	Gmdrm	hypo	CG	-0.66
Gm20	39300457	39300580	Gmdrm	hypo	CG	-0.3
Gm20	39300836	39300934	Gmdrm	hypo	CG	-0.3667
Gm20	39315619	39315725	Gmdrm	hypo	CG	-0.228
Gm20	39341496	39341770	Gmdrm	hypo	CG	-0.8913
Gm20	39343038	39343207	Gmdrm	hypo	CG	-0.0257
Gm20	39349648	39349748	Gmdrm	hypo	CG	-0.9225
Gm20	39350733	39350995	Gmdrm	hypo	CG	-0.4009
Gm20	39365249	39365352	Gmdrm	hypo	CG	-0.9
Gm20	39365479	39365592	Gmdrm	hypo	CG	-0.53
Gm20	39369537	39369697	Gmdrm	hypo	CG	-0.9594

Gm20	39370492	39370624	Gmdrm	hypo	CG	-0.926
Gm20	39382271	39382417	Gmdrm	hypo	CG	-0.2389
Gm20	39400981	39401531	Gmdrm	hypo	CG	-0.4024
Gm20	39409014	39409071	Gmdrm	hypo	CG	-0.6583
Gm20	39436525	39436578	Gmdrm	hypo	CG	-0.8267
Gm20	39496115	39496431	Gmdrm	hypo	CG	-0.4775
Gm20	39496623	39496661	Gmdrm	hypo	CG	-0.595
Gm20	39546422	39546510	Gmdrm	hypo	CG	-0.05
Gm20	39554783	39554834	Gmdrm	hypo	CG	-0.05
Gm20	39565115	39565199	Gmdrm	hypo	CG	-0.5084
Gm20	39595725	39595804	Gmdrm	hypo	CG	-0.2162
Gm20	39624758	39624911	Gmdrm	hypo	CG	-0.9038
Gm20	39648754	39649147	Gmdrm	hypo	CG	-0.9616
Gm20	39649402	39649554	Gmdrm	hypo	CG	-0.93
Gm20	39740070	39740325	Gmdrm	hypo	CG	-0.46
Gm20	39750642	39751133	Gmdrm	hypo	CG	-0.7267
Gm20	39762794	39762887	Gmdrm	hypo	CG	-0.12
Gm20	39810226	39810349	Gmdrm	hypo	CG	-0.0425
Gm20	39872509	39872550	Gmdrm	hypo	CG	-0.9667
Gm20	39943617	39943726	Gmdrm	hypo	CG	-0.0562
Gm20	39943985	39944224	Gmdrm	hypo	CG	-0.6533
Gm20	39959661	39959838	Gmdrm	hypo	CG	-0.4743
Gm20	39959997	39960303	Gmdrm	hypo	CG	-0.1556
Gm20	40005013	40005442	Gmdrm	hypo	CG	-0.671
Gm20	40043769	40044446	Gmdrm	hypo	CG	-0.3945
Gm20	40053823	40053936	Gmdrm	hypo	CG	-0.43
Gm20	40071030	40071094	Gmdrm	hypo	CG	-0.4917
Gm20	40082650	40082688	Gmdrm	hypo	CG	-0.3384
Gm20	40082807	40082883	Gmdrm	hypo	CG	-0.4167
Gm20	40083665	40083700	Gmdrm	hypo	CG	-0.3067
Gm20	40084058	40084294	Gmdrm	hypo	CG	-0.6708
Gm20	40086323	40086522	Gmdrm	hypo	CG	-0.7951
Gm20	40125738	40125823	Gmdrm	hypo	CG	-0.9469
Gm20	40164166	40164266	Gmdrm	hypo	CG	-0.738
Gm20	40180994	40181223	Gmdrm	hypo	CG	-0.83
Gm20	40188685	40188867	Gmdrm	hypo	CG	-0.8075
Gm20	40188985	40189261	Gmdrm	hypo	CG	-0.9455
Gm20	40190804	40190966	Gmdrm	hypo	CG	-0.158
Gm20	40191086	40191307	Gmdrm	hypo	CG	-0.3569
Gm20	40192195	40192497	Gmdrm	hypo	CG	-0.7927
Gm20	40198269	40198567	Gmdrm	hypo	CG	-0.2281
Gm20	40199286	40199363	Gmdrm	hypo	CG	-0.0492
Gm20	40202350	40202637	Gmdrm	hypo	CG	-0.2192
Gm20	40216808	40217094	Gmdrm	hypo	CG	-0.9409
Gm20	40217387	40217534	Gmdrm	hypo	CG	-0.034
Gm20	40218193	40218271	Gmdrm	hypo	CG	-0.5271

Gm20	40226383	40226578 Gmdrm	hypo	CG	-0.03
Gm20	40226772	40226859 Gmdrm	hypo	CG	-0.925
Gm20	40226968	40227059 Gmdrm	hypo	CG	-0.74
Gm20	40228938	40229111 Gmdrm	hypo	CG	-0.6183
Gm20	40236858	40236958 Gmdrm	hypo	CG	-0.134
Gm20	40279394	40279519 Gmdrm	hypo	CG	-0.5762
Gm20	40279963	40280190 Gmdrm	hypo	CG	-0.345
Gm20	40286381	40286525 Gmdrm	hypo	CG	-0.685
Gm20	40297629	40297653 Gmdrm	hypo	CG	-0.9417
Gm20	40297757	40297806 Gmdrm	hypo	CG	-0.9413
Gm20	40307156	40307252 Gmdrm	hypo	CG	-0.9425
Gm20	40307518	40307567 Gmdrm	hypo	CG	-0.96
Gm20	40317618	40317732 Gmdrm	hypo	CG	-0.0962
Gm20	40318479	40318975 Gmdrm	hypo	CG	-0.144
Gm20	40336601	40336818 Gmdrm	hypo	CG	-0.5614
Gm20	40355645	40355685 Gmdrm	hypo	CG	-0.205
Gm20	40388251	40388588 Gmdrm	hypo	CG	-0.5341
Gm20	40388711	40388816 Gmdrm	hypo	CG	-0.41
Gm20	40426620	40426804 Gmdrm	hypo	CG	-0.435
Gm20	40427334	40427438 Gmdrm	hypo	CG	-0.11
Gm20	40428111	40428220 Gmdrm	hypo	CG	-0.2971
Gm20	40440569	40440776 Gmdrm	hypo	CG	-0.4567
Gm20	40443370	40443385 Gmdrm	hypo	CG	-0.59
Gm20	40448119	40448227 Gmdrm	hypo	CG	-0.8116
Gm20	40518756	40519135 Gmdrm	hypo	CG	-0.625
Gm20	40528467	40528540 Gmdrm	hypo	CG	-0.9387
Gm20	40528676	40528789 Gmdrm	hypo	CG	-0.677
Gm20	40531390	40531573 Gmdrm	hypo	CG	-0.3042
Gm20	40531677	40532044 Gmdrm	hypo	CG	-0.4169
Gm20	40533328	40533457 Gmdrm	hypo	CG	-0.2662
Gm20	40533637	40533695 Gmdrm	hypo	CG	-0.15
Gm20	40534122	40534239 Gmdrm	hypo	CG	-0.6233
Gm20	40544981	40545055 Gmdrm	hypo	CG	-0.776
Gm20	40564687	40564836 Gmdrm	hypo	CG	-0.7664
Gm20	40596181	40596278 Gmdrm	hypo	CG	-0.2967
Gm20	40597447	40597649 Gmdrm	hypo	CG	-0.755
Gm20	40608461	40608618 Gmdrm	hypo	CG	-0.127
Gm20	40649746	40649843 Gmdrm	hypo	CG	-0.482
Gm20	40658001	40658425 Gmdrm	hypo	CG	-0.8495
Gm20	40666926	40667096 Gmdrm	hypo	CG	-0.034
Gm20	40684698	40684819 Gmdrm	hypo	CG	-0.8462
Gm20	40732070	40732384 Gmdrm	hypo	CG	-0.065
Gm20	40743260	40743370 Gmdrm	hypo	CG	-0.59
Gm20	40743711	40744066 Gmdrm	hypo	CG	-0.4241
Gm20	40763177	40763259 Gmdrm	hypo	CG	-0.432
Gm20	40763461	40763542 Gmdrm	hypo	CG	-0.497

Gm20	40769247	40769464	Gmdrm	hypo	CG	-0.0332
Gm20	40774723	40775034	Gmdrm	hypo	CG	-0.0317
Gm20	40782652	40782744	Gmdrm	hypo	CG	-0.883
Gm20	40783084	40783196	Gmdrm	hypo	CG	-0.9538
Gm20	40812059	40812132	Gmdrm	hypo	CG	-0.754
Gm20	40832901	40832964	Gmdrm	hypo	CG	-0.91
Gm20	40843863	40844029	Gmdrm	hypo	CG	-0.0383
Gm20	40856633	40856833	Gmdrm	hypo	CG	-0.6472
Gm20	40857053	40857232	Gmdrm	hypo	CG	-0.735
Gm20	40935386	40935462	Gmdrm	hypo	CG	-0.9262
Gm20	40936829	40936869	Gmdrm	hypo	CG	-0.4583
Gm20	40944887	40945069	Gmdrm	hypo	CG	-0.3144
Gm20	40945466	40945543	Gmdrm	hypo	CG	-0.0933
Gm20	40946173	40946381	Gmdrm	hypo	CG	-0.778
Gm20	40946642	40946729	Gmdrm	hypo	CG	-0.91
Gm20	40982699	40982790	Gmdrm	hypo	CG	-0.9442
Gm20	40983228	40983341	Gmdrm	hypo	CG	-0.2872
Gm20	40998295	40998395	Gmdrm	hypo	CG	-0.5587
Gm20	40998521	40998702	Gmdrm	hypo	CG	-0.5715
Gm20	41005831	41006006	Gmdrm	hypo	CG	-0.1691
Gm20	41027782	41027866	Gmdrm	hypo	CG	-0.8516
Gm20	41081734	41081901	Gmdrm	hypo	CG	-0.9478
Gm20	41106023	41106607	Gmdrm	hypo	CG	-0.6781
Gm20	41107032	41107071	Gmdrm	hypo	CG	-0.415
Gm20	41120557	41120965	Gmdrm	hypo	CG	-0.3757
Gm20	41128434	41128556	Gmdrm	hypo	CG	-0.705
Gm20	41147786	41147980	Gmdrm	hypo	CG	-0.045
Gm20	41245049	41245408	Gmdrm	hypo	CG	-0.4666
Gm20	41265590	41265688	Gmdrm	hypo	CG	-0.4822
Gm20	41265889	41265929	Gmdrm	hypo	CG	-0.1567
Gm20	41285456	41285598	Gmdrm	hypo	CG	-0.6794
Gm20	41286982	41287067	Gmdrm	hypo	CG	-0.7784
Gm20	41304985	41305257	Gmdrm	hypo	CG	-0.3954
Gm20	41315012	41315113	Gmdrm	hypo	CG	-0.2322
Gm20	41319275	41319419	Gmdrm	hypo	CG	-0.392
Gm20	41398215	41398389	Gmdrm	hypo	CG	-0.8516
Gm20	41398616	41398810	Gmdrm	hypo	CG	-0.7708
Gm20	41418291	41418552	Gmdrm	hypo	CG	-0.8925
Gm20	41425014	41425143	Gmdrm	hypo	CG	-0.17
Gm20	41429863	41430000	Gmdrm	hypo	CG	-0.4809
Gm20	41448691	41448932	Gmdrm	hypo	CG	-0.4031
Gm20	41450167	41450221	Gmdrm	hypo	CG	-0.7583
Gm20	41469659	41469931	Gmdrm	hypo	CG	-0.024
Gm20	41472748	41472769	Gmdrm	hypo	CG	-0.042
Gm20	41474312	41474481	Gmdrm	hypo	CG	-0.9137
Gm20	41476062	41476212	Gmdrm	hypo	CG	-0.9622

Gm20	41481286	41481494	Gmdrm	hypo	CG	-0.6069
Gm20	41500716	41500817	Gmdrm	hypo	CG	-0.214
Gm20	41516352	41516843	Gmdrm	hypo	CG	-0.9162
Gm20	41536852	41537068	Gmdrm	hypo	CG	-0.0737
Gm20	41560795	41560849	Gmdrm	hypo	CG	-0.0742
Gm20	41564649	41564808	Gmdrm	hypo	CG	-0.5987
Gm20	41574436	41574652	Gmdrm	hypo	CG	-0.0386
Gm20	41580175	41580262	Gmdrm	hypo	CG	-0.7608
Gm20	41583664	41583857	Gmdrm	hypo	CG	-0.8025
Gm20	41614530	41614665	Gmdrm	hypo	CG	-0.5786
Gm20	41614796	41614986	Gmdrm	hypo	CG	-0.6435
Gm20	41632608	41632655	Gmdrm	hypo	CG	-0.9416
Gm20	41644449	41644549	Gmdrm	hypo	CG	-0.5349
Gm20	41685003	41685074	Gmdrm	hypo	CG	-0.7667
Gm20	41697045	41697167	Gmdrm	hypo	CG	-0.966
Gm20	41723172	41723591	Gmdrm	hypo	CG	-0.64
Gm20	41738252	41738348	Gmdrm	hypo	CG	-0.034
Gm20	41750377	41750572	Gmdrm	hypo	CG	-0.7
Gm20	41750970	41751136	Gmdrm	hypo	CG	-0.5578
Gm20	41756940	41757011	Gmdrm	hypo	CG	-0.905
Gm20	41757178	41757254	Gmdrm	hypo	CG	-0.5733
Gm20	41770656	41770789	Gmdrm	hypo	CG	-0.596
Gm20	41771106	41771208	Gmdrm	hypo	CG	-0.7033
Gm20	41771885	41772082	Gmdrm	hypo	CG	-0.9618
Gm20	41781223	41781692	Gmdrm	hypo	CG	-0.2708
Gm20	41791254	41791353	Gmdrm	hypo	CG	-0.5278
Gm20	41791469	41791695	Gmdrm	hypo	CG	-0.9353
Gm20	41791798	41791962	Gmdrm	hypo	CG	-0.1186
Gm20	41805870	41806112	Gmdrm	hypo	CG	-0.8622
Gm20	41825105	41825303	Gmdrm	hypo	CG	-0.0315
Gm20	41850286	41850389	Gmdrm	hypo	CG	-0.6883
Gm20	41863455	41863593	Gmdrm	hypo	CG	-0.3566
Gm20	41864608	41864978	Gmdrm	hypo	CG	-0.4758
Gm20	41866429	41866606	Gmdrm	hypo	CG	-0.935
Gm20	41867439	41867520	Gmdrm	hypo	CG	-0.4233
Gm20	41904956	41905126	Gmdrm	hypo	CG	-0.685
Gm20	41911131	41911283	Gmdrm	hypo	CG	-0.3425
Gm20	41931098	41931293	Gmdrm	hypo	CG	-0.7369
Gm20	41937302	41937511	Gmdrm	hypo	CG	-0.85
Gm20	41949712	41949818	Gmdrm	hypo	CG	-0.6917
Gm20	41952508	41952605	Gmdrm	hypo	CG	-0.73
Gm20	41952913	41952994	Gmdrm	hypo	CG	-0.9163
Gm20	41958850	41958906	Gmdrm	hypo	CG	-0.53
Gm20	41996397	41996618	Gmdrm	hypo	CG	-0.2462
Gm20	41999517	41999533	Gmdrm	hypo	CG	-0.5667
Gm20	41999983	42000113	Gmdrm	hypo	CG	-0.451

Gm20	42020780	42020844	Gmdrm	hypo	CG	-0.96
Gm20	42021805	42022371	Gmdrm	hypo	CG	-0.504
Gm20	42087949	42088076	Gmdrm	hypo	CG	-0.1586
Gm20	42090447	42090685	Gmdrm	hypo	CG	-0.0345
Gm20	42090899	42091354	Gmdrm	hypo	CG	-0.1147
Gm20	42102225	42102526	Gmdrm	hypo	CG	-0.0858
Gm20	42135261	42135695	Gmdrm	hypo	CG	-0.3583
Gm20	42139247	42139458	Gmdrm	hypo	CG	-0.358
Gm20	42183188	42183327	Gmdrm	hypo	CG	-0.3533
Gm20	42190565	42190643	Gmdrm	hypo	CG	-0.04
Gm20	42239680	42239979	Gmdrm	hypo	CG	-0.4289
Gm20	42240422	42240549	Gmdrm	hypo	CG	-0.12
Gm20	42240816	42241193	Gmdrm	hypo	CG	-0.3135
Gm20	42255803	42255924	Gmdrm	hypo	CG	-0.645
Gm20	42260852	42261030	Gmdrm	hypo	CG	-0.594
Gm20	42261648	42261849	Gmdrm	hypo	CG	-0.1293
Gm20	42261978	42262169	Gmdrm	hypo	CG	-0.2834
Gm20	42297921	42298133	Gmdrm	hypo	CG	-0.3989
Gm20	42298706	42298907	Gmdrm	hypo	CG	-0.1145
Gm20	42299316	42299344	Gmdrm	hypo	CG	-0.7617
Gm20	42334547	42334948	Gmdrm	hypo	CG	-0.3357
Gm20	42350291	42350484	Gmdrm	hypo	CG	-0.024
Gm20	42352208	42352459	Gmdrm	hypo	CG	-0.7035
Gm20	42378837	42378967	Gmdrm	hypo	CG	-0.2567
Gm20	42380334	42380431	Gmdrm	hypo	CG	-0.1217
Gm20	42398052	42398264	Gmdrm	hypo	CG	-0.4405
Gm20	42425123	42425508	Gmdrm	hypo	CG	-0.7044
Gm20	42450394	42450498	Gmdrm	hypo	CG	-0.8763
Gm20	42472158	42472260	Gmdrm	hypo	CG	-0.036
Gm20	42475684	42476139	Gmdrm	hypo	CG	-0.5796
Gm20	42476973	42477300	Gmdrm	hypo	CG	-0.346
Gm20	42477409	42477660	Gmdrm	hypo	CG	-0.4039
Gm20	42488647	42489070	Gmdrm	hypo	CG	-0.6635
Gm20	42489195	42489341	Gmdrm	hypo	CG	-0.953
Gm20	42489897	42490029	Gmdrm	hypo	CG	-0.7263
Gm20	42512290	42512624	Gmdrm	hypo	CG	-0.3305
Gm20	42523379	42523531	Gmdrm	hypo	CG	-0.8625
Gm20	42523666	42523757	Gmdrm	hypo	CG	-0.8187
Gm20	42525685	42525968	Gmdrm	hypo	CG	-0.4936
Gm20	42526085	42526136	Gmdrm	hypo	CG	-0.7
Gm20	42541141	42541192	Gmdrm	hypo	CG	-0.98
Gm20	42543500	42543984	Gmdrm	hypo	CG	-0.3765
Gm20	42550536	42550579	Gmdrm	hypo	CG	-0.905
Gm20	42555047	42555396	Gmdrm	hypo	CG	-0.7182
Gm20	42556994	42557128	Gmdrm	hypo	CG	-0.54
Gm20	42594487	42594620	Gmdrm	hypo	CG	-0.425

Gm20	42594759	42594891	Gmdrm	hypo	CG	-0.3162
Gm20	42595056	42595329	Gmdrm	hypo	CG	-0.4737
Gm20	42638460	42638592	Gmdrm	hypo	CG	-0.8483
Gm20	42659377	42659483	Gmdrm	hypo	CG	-0.078
Gm20	42659618	42659768	Gmdrm	hypo	CG	-0.1408
Gm20	42687834	42688055	Gmdrm	hypo	CG	-0.21
Gm20	42691230	42691331	Gmdrm	hypo	CG	-0.1283
Gm20	42695812	42696189	Gmdrm	hypo	CG	-0.0672
Gm20	42701002	42701457	Gmdrm	hypo	CG	-0.2215
Gm20	42738032	42738051	Gmdrm	hypo	CG	-0.0417
Gm20	42738408	42738633	Gmdrm	hypo	CG	-0.205
Gm20	42738876	42738978	Gmdrm	hypo	CG	-0.1275
Gm20	42739503	42739567	Gmdrm	hypo	CG	-0.6717
Gm20	42789074	42789187	Gmdrm	hypo	CG	-0.5775
Gm20	42789685	42789920	Gmdrm	hypo	CG	-0.6277
Gm20	42807686	42807747	Gmdrm	hypo	CG	-0.0417
Gm20	42824669	42824803	Gmdrm	hypo	CG	-0.5707
Gm20	42825208	42825611	Gmdrm	hypo	CG	-0.8092
Gm20	42833378	42833546	Gmdrm	hypo	CG	-0.3383
Gm20	42835011	42835358	Gmdrm	hypo	CG	-0.8695
Gm20	42835464	42835836	Gmdrm	hypo	CG	-0.6767
Gm20	42850133	42850258	Gmdrm	hypo	CG	-0.0475
Gm20	42855156	42855376	Gmdrm	hypo	CG	-0.6777
Gm20	42865574	42865647	Gmdrm	hypo	CG	-0.7317
Gm20	42865825	42865889	Gmdrm	hypo	CG	-0.9567
Gm20	42896680	42896791	Gmdrm	hypo	CG	-0.0317
Gm20	42918432	42918848	Gmdrm	hypo	CG	-0.0431
Gm20	42957144	42957288	Gmdrm	hypo	CG	-0.8209
Gm20	42957391	42957713	Gmdrm	hypo	CG	-0.8167
Gm20	42965658	42965718	Gmdrm	hypo	CG	-0.4887
Gm20	42982674	42982972	Gmdrm	hypo	CG	-0.7565
Gm20	43037991	43038148	Gmdrm	hypo	CG	-0.3716
Gm20	43039471	43040049	Gmdrm	hypo	CG	-0.488
Gm20	43044879	43045020	Gmdrm	hypo	CG	-0.581
Gm20	43056253	43056393	Gmdrm	hypo	CG	-0.048
Gm20	43056525	43056647	Gmdrm	hypo	CG	-0.0533
Gm20	43118485	43118542	Gmdrm	hypo	CG	-0.5363
Gm20	43153837	43153856	Gmdrm	hypo	CG	-0.645
Gm20	43193183	43193290	Gmdrm	hypo	CG	-0.4113
Gm20	43193551	43193682	Gmdrm	hypo	CG	-0.3475
Gm20	43227989	43228110	Gmdrm	hypo	CG	-0.916
Gm20	43255409	43255467	Gmdrm	hypo	CG	-0.65
Gm20	43256313	43256676	Gmdrm	hypo	CG	-0.5414
Gm20	43345794	43345984	Gmdrm	hypo	CG	-0.8888
Gm20	43350187	43350203	Gmdrm	hypo	CG	-0.7683
Gm20	43355147	43355191	Gmdrm	hypo	CG	-0.62

Gm20	43361273	43361327	Gmdrm	hypo	CG	-0.5133
Gm20	43370844	43370886	Gmdrm	hypo	CG	-0.7215
Gm20	43371015	43371108	Gmdrm	hypo	CG	-0.2911
Gm20	43371216	43371414	Gmdrm	hypo	CG	-0.4457
Gm20	43394302	43394545	Gmdrm	hypo	CG	-0.55
Gm20	43401083	43401375	Gmdrm	hypo	CG	-0.9507
Gm20	43402198	43402313	Gmdrm	hypo	CG	-0.86
Gm20	43419437	43419590	Gmdrm	hypo	CG	-0.0388
Gm20	43419868	43420052	Gmdrm	hypo	CG	-0.783
Gm20	43423495	43423727	Gmdrm	hypo	CG	-0.6357
Gm20	43435901	43436152	Gmdrm	hypo	CG	-0.9671
Gm20	43450208	43450314	Gmdrm	hypo	CG	-0.2888
Gm20	43461749	43462005	Gmdrm	hypo	CG	-0.805
Gm20	43462586	43462814	Gmdrm	hypo	CG	-0.1242
Gm20	43463452	43463747	Gmdrm	hypo	CG	-0.5809
Gm20	43475067	43475118	Gmdrm	hypo	CG	-0.1567
Gm20	43510753	43510923	Gmdrm	hypo	CG	-0.0367
Gm20	43527760	43527892	Gmdrm	hypo	CG	-0.685
Gm20	43575731	43575913	Gmdrm	hypo	CG	-0.05
Gm20	43609783	43609873	Gmdrm	hypo	CG	-0.277
Gm20	43613029	43613105	Gmdrm	hypo	CG	-0.3612
Gm20	43636868	43636932	Gmdrm	hypo	CG	-0.965
Gm20	43647331	43648060	Gmdrm	hypo	CG	-0.2816
Gm20	43651791	43652085	Gmdrm	hypo	CG	-0.8031
Gm20	43672217	43672286	Gmdrm	hypo	CG	-0.146
Gm20	43699315	43699553	Gmdrm	hypo	CG	-0.5931
Gm20	43703619	43703789	Gmdrm	hypo	CG	-0.66
Gm20	43757881	43757996	Gmdrm	hypo	CG	-0.95
Gm20	43759318	43759511	Gmdrm	hypo	CG	-0.3395
Gm20	43760071	43760148	Gmdrm	hypo	CG	-0.8012
Gm20	43767264	43767551	Gmdrm	hypo	CG	-0.0909
Gm20	43778806	43778980	Gmdrm	hypo	CG	-0.6
Gm20	43796609	43796731	Gmdrm	hypo	CG	-0.2359
Gm20	43805477	43805542	Gmdrm	hypo	CG	-0.625
Gm20	43812095	43812237	Gmdrm	hypo	CG	-0.7442
Gm20	43812630	43812732	Gmdrm	hypo	CG	-0.475
Gm20	43824570	43824680	Gmdrm	hypo	CG	-0.9467
Gm20	43827950	43828074	Gmdrm	hypo	CG	-0.326
Gm20	43847012	43847231	Gmdrm	hypo	CG	-0.255
Gm20	43854474	43854685	Gmdrm	hypo	CG	-0.8377
Gm20	43857685	43857917	Gmdrm	hypo	CG	-0.5436
Gm20	43859987	43860224	Gmdrm	hypo	CG	-0.5427
Gm20	43862711	43862815	Gmdrm	hypo	CG	-0.3163
Gm20	43892883	43893007	Gmdrm	hypo	CG	-0.6134
Gm20	43894248	43894437	Gmdrm	hypo	CG	-0.4272
Gm20	43933229	43933295	Gmdrm	hypo	CG	-0.7375

Gm20	43954973	43955093	Gmdrm	hypo	CG	-0.7455
Gm20	43955751	43955795	Gmdrm	hypo	CG	-0.5617
Gm20	43958263	43958645	Gmdrm	hypo	CG	-0.4928
Gm20	43958862	43958934	Gmdrm	hypo	CG	-0.1862
Gm20	43978352	43978643	Gmdrm	hypo	CG	-0.5549
Gm20	44012114	44012355	Gmdrm	hypo	CG	-0.2291
Gm20	44026061	44026232	Gmdrm	hypo	CG	-0.0599
Gm20	44027962	44028084	Gmdrm	hypo	CG	-0.8333
Gm20	44070165	44070373	Gmdrm	hypo	CG	-0.5022
Gm20	44079450	44079712	Gmdrm	hypo	CG	-0.2624
Gm20	44079849	44080063	Gmdrm	hypo	CG	-0.5515
Gm20	44085849	44086158	Gmdrm	hypo	CG	-0.5695
Gm20	44086623	44086788	Gmdrm	hypo	CG	-0.17
Gm20	44103409	44103653	Gmdrm	hypo	CG	-0.74
Gm20	44103774	44103895	Gmdrm	hypo	CG	-0.9613
Gm20	44104405	44104459	Gmdrm	hypo	CG	-0.8113
Gm20	44105522	44105844	Gmdrm	hypo	CG	-0.5221
Gm20	44113979	44114112	Gmdrm	hypo	CG	-0.759
Gm20	44121322	44121461	Gmdrm	hypo	CG	-0.955
Gm20	44129897	44130185	Gmdrm	hypo	CG	-0.028
Gm20	44158801	44158934	Gmdrm	hypo	CG	-0.9455
Gm20	44161050	44161268	Gmdrm	hypo	CG	-0.6533
Gm20	44168936	44169064	Gmdrm	hypo	CG	-0.4838
Gm20	44182221	44182290	Gmdrm	hypo	CG	-0.8984
Gm20	44183550	44183679	Gmdrm	hypo	CG	-0.98
Gm20	44191875	44192161	Gmdrm	hypo	CG	-0.261
Gm20	44233329	44233461	Gmdrm	hypo	CG	-0.0272
Gm20	44277970	44278220	Gmdrm	hypo	CG	-0.7143
Gm20	44334316	44334438	Gmdrm	hypo	CG	-0.8543
Gm20	44335028	44335069	Gmdrm	hypo	CG	-0.9775
Gm20	44341246	44341391	Gmdrm	hypo	CG	-0.0528
Gm20	44346348	44346389	Gmdrm	hypo	CG	-0.32
Gm20	44359677	44359794	Gmdrm	hypo	CG	-0.0516
Gm20	44370899	44370958	Gmdrm	hypo	CG	-0.9783
Gm20	44371166	44371336	Gmdrm	hypo	CG	-0.9707
Gm20	44406035	44406074	Gmdrm	hypo	CG	-0.0862
Gm20	44406205	44406386	Gmdrm	hypo	CG	-0.3066
Gm20	44416219	44416341	Gmdrm	hypo	CG	-0.542
Gm20	44440210	44440308	Gmdrm	hypo	CG	-0.104
Gm20	44473370	44473653	Gmdrm	hypo	CG	-0.2437
Gm20	44501315	44501445	Gmdrm	hypo	CG	-0.92
Gm20	44509066	44509715	Gmdrm	hypo	CG	-0.64
Gm20	44509899	44509950	Gmdrm	hypo	CG	-0.45
Gm20	44524588	44524772	Gmdrm	hypo	CG	-0.0457
Gm20	44526531	44526800	Gmdrm	hypo	CG	-0.5344
Gm20	44527174	44527208	Gmdrm	hypo	CG	-0.785

Gm20	44527791	44528147	Gmdrm	hypo	CG	-0.4263
Gm20	44570567	44570911	Gmdrm	hypo	CG	-0.6788
Gm20	44584827	44584976	Gmdrm	hypo	CG	-0.0483
Gm20	44590386	44590470	Gmdrm	hypo	CG	-0.5967
Gm20	44594837	44594926	Gmdrm	hypo	CG	-0.8217
Gm20	44599803	44599903	Gmdrm	hypo	CG	-0.625
Gm20	44601703	44601834	Gmdrm	hypo	CG	-0.1894
Gm20	44602600	44602747	Gmdrm	hypo	CG	-0.3373
Gm20	44604348	44604564	Gmdrm	hypo	CG	-0.92
Gm20	44610096	44610296	Gmdrm	hypo	CG	-0.8875
Gm20	44621945	44622191	Gmdrm	hypo	CG	-0.807
Gm20	44636479	44636584	Gmdrm	hypo	CG	-0.788
Gm20	44641665	44641890	Gmdrm	hypo	CG	-0.399
Gm20	44646412	44646804	Gmdrm	hypo	CG	-0.6304
Gm20	44685298	44685680	Gmdrm	hypo	CG	-0.7333
Gm20	44691692	44692038	Gmdrm	hypo	CG	-0.9268
Gm20	44720212	44720318	Gmdrm	hypo	CG	-0.7037
Gm20	44744101	44744153	Gmdrm	hypo	CG	-0.3583
Gm20	44754433	44754586	Gmdrm	hypo	CG	-0.4038
Gm20	44763123	44763319	Gmdrm	hypo	CG	-0.3608
Gm20	44764339	44764535	Gmdrm	hypo	CG	-0.0933
Gm20	44796601	44796756	Gmdrm	hypo	CG	-0.411
Gm20	44797278	44797417	Gmdrm	hypo	CG	-0.4813
Gm20	44797709	44798049	Gmdrm	hypo	CG	-0.6634
Gm20	44832541	44832671	Gmdrm	hypo	CG	-0.0818
Gm20	44832915	44832953	Gmdrm	hypo	CG	-0.6467
Gm20	44833168	44833308	Gmdrm	hypo	CG	-0.5985
Gm20	44856561	44856691	Gmdrm	hypo	CG	-0.8087
Gm20	44876336	44876577	Gmdrm	hypo	CG	-0.2753
Gm20	44877533	44877763	Gmdrm	hypo	CG	-0.5388
Gm20	44889704	44889806	Gmdrm	hypo	CG	-0.9584
Gm20	44927647	44927802	Gmdrm	hypo	CG	-0.9484
Gm20	44928225	44928239	Gmdrm	hypo	CG	-0.4817
Gm20	44939307	44939468	Gmdrm	hypo	CG	-0.9141
Gm20	44942882	44943871	Gmdrm	hypo	CG	-0.1324
Gm20	44947367	44947729	Gmdrm	hypo	CG	-0.3787
Gm20	44959028	44959120	Gmdrm	hypo	CG	-0.576
Gm20	44977419	44977473	Gmdrm	hypo	CG	-0.036
Gm20	45006306	45006818	Gmdrm	hypo	CG	-0.8997
Gm20	45018489	45018612	Gmdrm	hypo	CG	-0.8717
Gm20	45024320	45024905	Gmdrm	hypo	CG	-0.3058
Gm20	45034603	45034866	Gmdrm	hypo	CG	-0.502
Gm20	45035098	45035196	Gmdrm	hypo	CG	-0.961
Gm20	45037892	45038079	Gmdrm	hypo	CG	-0.6275
Gm20	45038586	45038684	Gmdrm	hypo	CG	-0.5099
Gm20	45078350	45078568	Gmdrm	hypo	CG	-0.08

Gm20	45113824	45114046	Gmdrm	hypo	CG	-0.303
Gm20	45161214	45161328	Gmdrm	hypo	CG	-0.6188
Gm20	45162181	45162350	Gmdrm	hypo	CG	-0.74
Gm20	45177661	45177806	Gmdrm	hypo	CG	-0.0513
Gm20	45246806	45246921	Gmdrm	hypo	CG	-0.2783
Gm20	45247779	45247992	Gmdrm	hypo	CG	-0.4943
Gm20	45261798	45261905	Gmdrm	hypo	CG	-0.189
Gm20	45262070	45262102	Gmdrm	hypo	CG	-0.095
Gm20	45266719	45266785	Gmdrm	hypo	CG	-0.85
Gm20	45296093	45296496	Gmdrm	hypo	CG	-0.8185
Gm20	45300138	45300222	Gmdrm	hypo	CG	-0.5
Gm20	45300664	45300829	Gmdrm	hypo	CG	-0.555
Gm20	45321953	45322151	Gmdrm	hypo	CG	-0.2756
Gm20	45322290	45322531	Gmdrm	hypo	CG	-0.6155
Gm20	45355334	45355497	Gmdrm	hypo	CG	-0.6166
Gm20	45355722	45355769	Gmdrm	hypo	CG	-0.9499
Gm20	45363494	45363558	Gmdrm	hypo	CG	-0.9237
Gm20	45385351	45385482	Gmdrm	hypo	CG	-0.03
Gm20	45403552	45403770	Gmdrm	hypo	CG	-0.1369
Gm20	45424164	45424447	Gmdrm	hypo	CG	-0.4769
Gm20	45443853	45443940	Gmdrm	hypo	CG	-0.747
Gm20	45444041	45444140	Gmdrm	hypo	CG	-0.55
Gm20	45444551	45444928	Gmdrm	hypo	CG	-0.724
Gm20	45446665	45446772	Gmdrm	hypo	CG	-0.1567
Gm20	45447800	45447970	Gmdrm	hypo	CG	-0.4834
Gm20	45451915	45452195	Gmdrm	hypo	CG	-0.0522
Gm20	45507240	45507563	Gmdrm	hypo	CG	-0.7153
Gm20	45509260	45509343	Gmdrm	hypo	CG	-0.035
Gm20	45522146	45522442	Gmdrm	hypo	CG	-0.3812
Gm20	45538658	45538952	Gmdrm	hypo	CG	-0.1268
Gm20	45553159	45553393	Gmdrm	hypo	CG	-0.0683
Gm20	45583372	45583632	Gmdrm	hypo	CG	-0.5276
Gm20	45584005	45584362	Gmdrm	hypo	CG	-0.4675
Gm20	45605172	45605280	Gmdrm	hypo	CG	-0.678
Gm20	45605395	45605524	Gmdrm	hypo	CG	-0.126
Gm20	45620504	45620574	Gmdrm	hypo	CG	-0.866
Gm20	45622211	45622234	Gmdrm	hypo	CG	-0.3967
Gm20	45627141	45627368	Gmdrm	hypo	CG	-0.0375
Gm20	45659884	45659946	Gmdrm	hypo	CG	-0.9717
Gm20	45660053	45660103	Gmdrm	hypo	CG	-0.945
Gm20	45663119	45663610	Gmdrm	hypo	CG	-0.5225
Gm20	45666813	45667043	Gmdrm	hypo	CG	-0.5188
Gm20	45686276	45686391	Gmdrm	hypo	CG	-0.5307
Gm20	45699062	45699125	Gmdrm	hypo	CG	-0.49
Gm20	45729179	45729261	Gmdrm	hypo	CG	-0.925
Gm20	45735588	45736329	Gmdrm	hypo	CG	-0.0287

Gm20	45743366	45743600	Gmdrm	hypo	CG	-0.705
Gm20	45767116	45767131	Gmdrm	hypo	CG	-0.99
Gm20	45791623	45791797	Gmdrm	hypo	CG	-0.7063
Gm20	45826238	45826521	Gmdrm	hypo	CG	-0.7268
Gm20	45850606	45850959	Gmdrm	hypo	CG	-0.0485
Gm20	45851849	45852186	Gmdrm	hypo	CG	-0.1531
Gm20	45871778	45871983	Gmdrm	hypo	CG	-0.9483
Gm20	45872552	45872629	Gmdrm	hypo	CG	-0.6017
Gm20	45872807	45873133	Gmdrm	hypo	CG	-0.5369
Gm20	45873239	45873280	Gmdrm	hypo	CG	-0.3483
Gm20	45918166	45918254	Gmdrm	hypo	CG	-0.7212
Gm20	45922965	45923013	Gmdrm	hypo	CG	-0.12
Gm20	45925622	45925819	Gmdrm	hypo	CG	-0.731
Gm20	45927995	45928265	Gmdrm	hypo	CG	-0.1338
Gm20	45939953	45940118	Gmdrm	hypo	CG	-0.05
Gm20	45950343	45951197	Gmdrm	hypo	CG	-0.1438
Gm20	45985868	45986023	Gmdrm	hypo	CG	-0.7764
Gm20	45986169	45986391	Gmdrm	hypo	CG	-0.0811
Gm20	45986531	45986686	Gmdrm	hypo	CG	-0.7507
Gm20	45993522	45994126	Gmdrm	hypo	CG	-0.503
Gm20	45995690	45995716	Gmdrm	hypo	CG	-0.198
Gm20	45996274	45996444	Gmdrm	hypo	CG	-0.695
Gm20	46002054	46002258	Gmdrm	hypo	CG	-0.5058
Gm20	46079769	46079853	Gmdrm	hypo	CG	-0.4138
Gm20	46086113	46086179	Gmdrm	hypo	CG	-0.68
Gm20	46086311	46086332	Gmdrm	hypo	CG	-0.9317
Gm20	46142728	46142855	Gmdrm	hypo	CG	-0.6275
Gm20	46143529	46143706	Gmdrm	hypo	CG	-0.625
Gm20	46148905	46149089	Gmdrm	hypo	CG	-0.0663
Gm20	46151321	46151522	Gmdrm	hypo	CG	-0.2741
Gm20	46177346	46177703	Gmdrm	hypo	CG	-0.2432
Gm20	46183005	46183073	Gmdrm	hypo	CG	-0.6983
Gm20	46203803	46203868	Gmdrm	hypo	CG	-0.6634
Gm20	46216480	46216531	Gmdrm	hypo	CG	-0.3067
Gm20	46218212	46218344	Gmdrm	hypo	CG	-0.7262
Gm20	46218449	46218633	Gmdrm	hypo	CG	-0.76
Gm20	46255372	46255459	Gmdrm	hypo	CG	-0.7766
Gm20	46303061	46303121	Gmdrm	hypo	CG	-0.5017
Gm20	46303239	46303335	Gmdrm	hypo	CG	-0.6137
Gm20	46318963	46318997	Gmdrm	hypo	CG	-0.82
Gm20	46342181	46342410	Gmdrm	hypo	CG	-0.2963
Gm20	46359804	46359891	Gmdrm	hypo	CG	-0.4237
Gm20	46360269	46360328	Gmdrm	hypo	CG	-0.955
Gm20	46360447	46360538	Gmdrm	hypo	CG	-0.4983
Gm20	46363830	46364105	Gmdrm	hypo	CG	-0.8678
Gm20	46365019	46365298	Gmdrm	hypo	CG	-0.9612

Gm20	46369870	46370046	Gmdrm	hypo	CG	-0.076
Gm20	46411132	46411312	Gmdrm	hypo	CG	-0.8284
Gm20	46411540	46411832	Gmdrm	hypo	CG	-0.8994
Gm20	46415300	46415524	Gmdrm	hypo	CG	-0.3931
Gm20	46416103	46416625	Gmdrm	hypo	CG	-0.2318
Gm20	46425141	46425226	Gmdrm	hypo	CG	-0.2083
Gm20	46425675	46425887	Gmdrm	hypo	CG	-0.6271
Gm20	46459364	46459486	Gmdrm	hypo	CG	-0.6288
Gm20	46460174	46460377	Gmdrm	hypo	CG	-0.0313
Gm20	46461259	46461391	Gmdrm	hypo	CG	-0.76
Gm20	46487456	46487534	Gmdrm	hypo	CG	-0.8133
Gm20	46498165	46498241	Gmdrm	hypo	CG	-0.4656
Gm20	46537102	46537506	Gmdrm	hypo	CG	-0.3594
Gm20	46538188	46538286	Gmdrm	hypo	CG	-0.5351
Gm20	46538752	46538791	Gmdrm	hypo	CG	-0.5267
Gm20	46543043	46543145	Gmdrm	hypo	CG	-0.705
Gm20	46560382	46560455	Gmdrm	hypo	CG	-0.935
Gm20	46568742	46568856	Gmdrm	hypo	CG	-0.557
Gm20	46579838	46580052	Gmdrm	hypo	CG	-0.4314
Gm20	46582670	46582936	Gmdrm	hypo	CG	-0.491
Gm20	46593193	46593250	Gmdrm	hypo	CG	-0.88
Gm20	46604320	46604438	Gmdrm	hypo	CG	-0.708
Gm20	46622184	46622264	Gmdrm	hypo	CG	-0.6538
Gm20	46622386	46622594	Gmdrm	hypo	CG	-0.5258
Gm20	46655589	46655826	Gmdrm	hypo	CG	-0.7028
Gm20	46679866	46679933	Gmdrm	hypo	CG	-0.6867
Gm20	46680947	46680998	Gmdrm	hypo	CG	-0.1825
Gm20	46697192	46697387	Gmdrm	hypo	CG	-0.412
Gm20	46704504	46704748	Gmdrm	hypo	CG	-0.1525
Gm20	46705350	46705471	Gmdrm	hypo	CG	-0.2208
Gm20	46705634	46705775	Gmdrm	hypo	CG	-0.461
Gm20	46717092	46717145	Gmdrm	hypo	CG	-0.794
Gm20	46738460	46738575	Gmdrm	hypo	CG	-0.9575
Gm20	46744021	46744248	Gmdrm	hypo	CG	-0.414
Gm20	46755776	46755803	Gmdrm	hypo	CG	-0.79
Gm20	46756978	46757098	Gmdrm	hypo	CG	-0.6334
Gm20	46759290	46759471	Gmdrm	hypo	CG	-0.3017
Gm20	46762344	46762351	Gmdrm	hypo	CG	-0.142
Gm20	46769685	46769710	Gmdrm	hypo	CG	-0.0884
Gm20	46802932	46803024	Gmdrm	hypo	CG	-0.7883
Gm20	46816460	46816709	Gmdrm	hypo	CG	-0.4754
Gm20	46834298	46834347	Gmdrm	hypo	CG	-0.905
Gm20	46880586	46880762	Gmdrm	hypo	CG	-0.6543
Gm20	46884206	46884385	Gmdrm	hypo	CG	-0.1153
Gm20	46889161	46889220	Gmdrm	hypo	CG	-0.8638
Gm20	46889321	46889504	Gmdrm	hypo	CG	-0.9178

Gm20	46894364	46894432	Gmdrm	hypo	CG	-0.8216
Gm20	46896964	46897432	Gmdrm	hypo	CG	-0.4058
Gm20	46906780	46906912	Gmdrm	hypo	CG	-0.9243
Gm20	46909776	46909899	Gmdrm	hypo	CG	-0.5625
Gm20	46917060	46917286	Gmdrm	hypo	CG	-0.0572
Gm20	46974157	46974206	Gmdrm	hypo	CG	-0.9424
Gm20	47006674	47006798	Gmdrm	hypo	CG	-0.467
Gm20	47027041	47027088	Gmdrm	hypo	CG	-0.672
Gm20	47050477	47050787	Gmdrm	hypo	CG	-0.4596
Gm20	47135505	47135564	Gmdrm	hypo	CG	-0.8533
Gm20	47137564	47137688	Gmdrm	hypo	CG	-0.6075
Gm20	47151629	47151877	Gmdrm	hypo	CG	-0.4167
Gm20	47152006	47152041	Gmdrm	hypo	CG	-0.4333
Gm20	47152170	47152365	Gmdrm	hypo	CG	-0.4625
Gm20	47152827	47152872	Gmdrm	hypo	CG	-0.5067
Gm20	47157754	47157917	Gmdrm	hypo	CG	-0.0562
Gm20	47160825	47161030	Gmdrm	hypo	CG	-0.4994
Gm20	47190610	47190782	Gmdrm	hypo	CG	-0.7913
Gm20	47190898	47191312	Gmdrm	hypo	CG	-0.5681
Gm20	47191418	47191613	Gmdrm	hypo	CG	-0.597
Gm20	47196579	47196630	Gmdrm	hypo	CG	-0.5567
Gm20	47199609	47199879	Gmdrm	hypo	CG	-0.3073
Gm20	47209836	47209919	Gmdrm	hypo	CG	-0.7366
Gm20	47227017	47227115	Gmdrm	hypo	CG	-0.3358
Gm20	47227365	47227482	Gmdrm	hypo	CG	-0.947
Gm20	47253898	47254179	Gmdrm	hypo	CG	-0.5092
Gm20	47256917	47257061	Gmdrm	hypo	CG	-0.4667
Gm20	47267794	47267857	Gmdrm	hypo	CG	-0.973
Gm20	47275296	47275633	Gmdrm	hypo	CG	-0.7372
Gm20	47287446	47288038	Gmdrm	hypo	CG	-0.7442
Gm20	47291239	47291359	Gmdrm	hypo	CG	-0.9467
Gm20	47301418	47301474	Gmdrm	hypo	CG	-0.9067
Gm20	47338502	47338930	Gmdrm	hypo	CG	-0.3304
Gm20	47359575	47359671	Gmdrm	hypo	CG	-0.9625
Gm20	47359820	47359981	Gmdrm	hypo	CG	-0.805
Gm20	47365723	47365811	Gmdrm	hypo	CG	-0.4099
Gm20	47367858	47367868	Gmdrm	hypo	CG	-0.7916
Gm20	47392129	47392293	Gmdrm	hypo	CG	-0.11
Gm20	47413093	47413269	Gmdrm	hypo	CG	-0.9523
Gm20	47413526	47413787	Gmdrm	hypo	CG	-0.6287
Gm20	47414142	47414466	Gmdrm	hypo	CG	-0.9359
Gm20	47461338	47461442	Gmdrm	hypo	CG	-0.794
Gm20	47493549	47493721	Gmdrm	hypo	CG	-0.5462
Gm20	47512102	47512270	Gmdrm	hypo	CG	-0.63
Gm20	47512785	47512845	Gmdrm	hypo	CG	-0.75
Gm20	47514523	47514742	Gmdrm	hypo	CG	-0.1357

Gm20	47523799	47523940	Gmdrm	hypo	CG	-0.53
Gm20	47530729	47530783	Gmdrm	hypo	CG	-0.6966
Gm20	47544077	47544128	Gmdrm	hypo	CG	-0.5167
Gm20	47572414	47572740	Gmdrm	hypo	CG	-0.835
Gm20	47618170	47618412	Gmdrm	hypo	CG	-0.324
Gm20	47618521	47618559	Gmdrm	hypo	CG	-0.428
Gm20	47665128	47665224	Gmdrm	hypo	CG	-0.8863
Gm20	47665325	47665680	Gmdrm	hypo	CG	-0.8991
Gm20	47667917	47667997	Gmdrm	hypo	CG	-0.6334
Gm20	47674906	47675160	Gmdrm	hypo	CG	-0.7769
Gm20	47726230	47726325	Gmdrm	hypo	CG	-0.07
Gm20	47758952	47759083	Gmdrm	hypo	CG	-0.98
Gm20	47788242	47788421	Gmdrm	hypo	CG	-0.931
Gm20	47790984	47791073	Gmdrm	hypo	CG	-0.7633
Gm20	47791932	47792034	Gmdrm	hypo	CG	-0.7534
Gm20	47834739	47834825	Gmdrm	hypo	CG	-0.2843
scaffold_104	52694	52852	Gmdrm	hypo	CG	-0.2118
scaffold_109	534	772	Gmdrm	hypo	CG	-0.9227
scaffold_109	8562	8642	Gmdrm	hypo	CG	-0.0438
scaffold_111	62633	63321	Gmdrm	hypo	CG	-0.0268
scaffold_117	28955	29481	Gmdrm	hypo	CG	-0.2871
scaffold_117	61503	61708	Gmdrm	hypo	CG	-0.3043
scaffold_120	3999	4223	Gmdrm	hypo	CG	-0.588
scaffold_120	4517	4540	Gmdrm	hypo	CG	-0.5966
scaffold_120	4689	4771	Gmdrm	hypo	CG	-0.8083
scaffold_120	18939	19054	Gmdrm	hypo	CG	-0.165
scaffold_120	43849	43864	Gmdrm	hypo	CG	-0.1162
scaffold_120	44205	44233	Gmdrm	hypo	CG	-0.1784
scaffold_120	49459	49618	Gmdrm	hypo	CG	-0.6225
scaffold_120	49762	49880	Gmdrm	hypo	CG	-0.3483
scaffold_124	19673	19890	Gmdrm	hypo	CG	-0.0637
scaffold_124	39872	40109	Gmdrm	hypo	CG	-0.3867
scaffold_124	42947	43069	Gmdrm	hypo	CG	-0.4017
scaffold_124	52564	52629	Gmdrm	hypo	CG	-0.137
scaffold_125	36510	36814	Gmdrm	hypo	CG	-0.0653
scaffold_127	44212	44753	Gmdrm	hypo	CG	-0.049
scaffold_131	35587	36211	Gmdrm	hypo	CG	-0.0385
scaffold_138	1208	1351	Gmdrm	hypo	CG	-0.4038
scaffold_138	1510	1625	Gmdrm	hypo	CG	-0.4266
scaffold_138	3800	3896	Gmdrm	hypo	CG	-0.958
scaffold_138	21616	21779	Gmdrm	hypo	CG	-0.1378
scaffold_138	42505	42695	Gmdrm	hypo	CG	-0.119
scaffold_141	15934	15955	Gmdrm	hypo	CG	-0.0713
scaffold_143	15643	15881	Gmdrm	hypo	CG	-0.0484
scaffold_143	39508	39587	Gmdrm	hypo	CG	-0.4667
scaffold_145	25131	25252	Gmdrm	hypo	CG	-0.1309

scaffold_147	10948	11940 Gmdrm	hypo	CG	-0.0466
scaffold_152	14746	15127 Gmdrm	hypo	CG	-0.0512
scaffold_160	11925	12701 Gmdrm	hypo	CG	-0.0328
scaffold_162	15010	15377 Gmdrm	hypo	CG	-0.0382
scaffold_178	38531	39331 Gmdrm	hypo	CG	-0.0162
scaffold_184	8924	9005 Gmdrm	hypo	CG	-0.1838
scaffold_189	2054	2522 Gmdrm	hypo	CG	-0.0384
scaffold_194	3686	3981 Gmdrm	hypo	CG	-0.0524
scaffold_194	14756	15752 Gmdrm	hypo	CG	-0.028
scaffold_207	22107	22230 Gmdrm	hypo	CG	-0.0584
scaffold_216	5584	5771 Gmdrm	hypo	CG	-0.1122
scaffold_22	50310	50572 Gmdrm	hypo	CG	-0.0667
scaffold_22	438784	439194 Gmdrm	hypo	CG	-0.0428
scaffold_229	1127	1213 Gmdrm	hypo	CG	-0.1616
scaffold_229	10662	10898 Gmdrm	hypo	CG	-0.1669
scaffold_229	14747	15081 Gmdrm	hypo	CG	-0.232
scaffold_229	18232	18482 Gmdrm	hypo	CG	-0.24
scaffold_229	21131	21274 Gmdrm	hypo	CG	-0.3091
scaffold_233	5015	5220 Gmdrm	hypo	CG	-0.123
scaffold_233	6868	6881 Gmdrm	hypo	CG	-0.155
scaffold_233	7950	8117 Gmdrm	hypo	CG	-0.1944
scaffold_239	4417	4490 Gmdrm	hypo	CG	-0.398
scaffold_239	4695	4817 Gmdrm	hypo	CG	-0.21
scaffold_24	47447	48098 Gmdrm	hypo	CG	-0.1215
scaffold_24	146138	146516 Gmdrm	hypo	CG	-0.0325
scaffold_24	191762	192720 Gmdrm	hypo	CG	-0.0371
scaffold_24	303321	304320 Gmdrm	hypo	CG	-0.0332
scaffold_24	310583	310930 Gmdrm	hypo	CG	-0.0662
scaffold_24	377138	377264 Gmdrm	hypo	CG	-0.2136
scaffold_253	7271	7392 Gmdrm	hypo	CG	-0.062
scaffold_26	9306	10287 Gmdrm	hypo	CG	-0.0306
scaffold_26	11625	12584 Gmdrm	hypo	CG	-0.0254
scaffold_26	76536	76574 Gmdrm	hypo	CG	-0.1533
scaffold_26	131403	132059 Gmdrm	hypo	CG	-0.033
scaffold_26	135654	136148 Gmdrm	hypo	CG	-0.1286
scaffold_26	178639	179630 Gmdrm	hypo	CG	-0.0431
scaffold_26	254981	255970 Gmdrm	hypo	CG	-0.0307
scaffold_26	261813	262811 Gmdrm	hypo	CG	-0.0281
scaffold_26	289651	290270 Gmdrm	hypo	CG	-0.0351
scaffold_270	16783	17705 Gmdrm	hypo	CG	-0.0466
scaffold_270	18394	18870 Gmdrm	hypo	CG	-0.0595
scaffold_271	11817	11928 Gmdrm	hypo	CG	-0.159
scaffold_273	3060	3314 Gmdrm	hypo	CG	-0.185
scaffold_273	15700	15766 Gmdrm	hypo	CG	-0.758
scaffold_273	15870	16012 Gmdrm	hypo	CG	-0.9172
scaffold_28	5471	5902 Gmdrm	hypo	CG	-0.0919

scaffold_28	12515	13486 Gmdrm	hypo	CG	-0.033
scaffold_28	52291	53286 Gmdrm	hypo	CG	-0.0156
scaffold_28	121431	122431 Gmdrm	hypo	CG	-0.0404
scaffold_28	133388	134370 Gmdrm	hypo	CG	-0.0411
scaffold_28	233090	234081 Gmdrm	hypo	CG	-0.0324
scaffold_28	238260	238536 Gmdrm	hypo	CG	-0.0613
scaffold_28	285789	286203 Gmdrm	hypo	CG	-0.0457
scaffold_288	4848	4859 Gmdrm	hypo	CG	-0.74
scaffold_288	5200	5612 Gmdrm	hypo	CG	-0.3419
scaffold_288	10852	11263 Gmdrm	hypo	CG	-0.05
scaffold_288	14595	14657 Gmdrm	hypo	CG	-0.415
scaffold_29	90588	91207 Gmdrm	hypo	CG	-0.0696
scaffold_29	242968	243956 Gmdrm	hypo	CG	-0.0106
scaffold_29	291211	292192 Gmdrm	hypo	CG	-0.0186
scaffold_30	65643	66617 Gmdrm	hypo	CG	-0.0255
scaffold_30	82074	82364 Gmdrm	hypo	CG	-0.0833
scaffold_30	231148	231432 Gmdrm	hypo	CG	-0.0423
scaffold_30	300455	300762 Gmdrm	hypo	CG	-0.1091
scaffold_307	154	480 Gmdrm	hypo	CG	-0.0356
scaffold_31	15250	15499 Gmdrm	hypo	CG	-0.1023
scaffold_31	146068	146882 Gmdrm	hypo	CG	-0.0304
scaffold_31	158152	159136 Gmdrm	hypo	CG	-0.0339
scaffold_31	199647	200486 Gmdrm	hypo	CG	-0.0286
scaffold_32	275383	275465 Gmdrm	hypo	CG	-0.8267
scaffold_327	2774	3025 Gmdrm	hypo	CG	-0.4972
scaffold_327	3886	4075 Gmdrm	hypo	CG	-0.76
scaffold_328	13041	13523 Gmdrm	hypo	CG	-0.4374
scaffold_33	116733	117532 Gmdrm	hypo	CG	-0.0369
scaffold_33	144038	144335 Gmdrm	hypo	CG	-0.0457
scaffold_33	191167	192038 Gmdrm	hypo	CG	-0.0174
scaffold_33	208632	208850 Gmdrm	hypo	CG	-0.1387
scaffold_33	209914	210413 Gmdrm	hypo	CG	-0.0203
scaffold_33	213133	213624 Gmdrm	hypo	CG	-0.0357
scaffold_336	5047	5979 Gmdrm	hypo	CG	-0.0354
scaffold_36	39768	39961 Gmdrm	hypo	CG	-0.0725
scaffold_36	230054	230383 Gmdrm	hypo	CG	-0.0817
scaffold_36	239932	240368 Gmdrm	hypo	CG	-0.074
scaffold_367	13992	14332 Gmdrm	hypo	CG	-0.0545
scaffold_368	3792	4764 Gmdrm	hypo	CG	-0.0223
scaffold_368	10445	10998 Gmdrm	hypo	CG	-0.0301
scaffold_37	179224	179500 Gmdrm	hypo	CG	-0.0448
scaffold_37	182293	183260 Gmdrm	hypo	CG	-0.0316
scaffold_377	7431	7469 Gmdrm	hypo	CG	-0.164
scaffold_383	165	1148 Gmdrm	hypo	CG	-0.0271
scaffold_387	13072	13175 Gmdrm	hypo	CG	-0.169
scaffold_39	30791	31105 Gmdrm	hypo	CG	-0.0983

scaffold_39	74843	75336 Gmdrm	hypo	CG	-0.0422
scaffold_39	221794	222750 Gmdrm	hypo	CG	-0.0208
scaffold_42	75512	76462 Gmdrm	hypo	CG	-0.0182
scaffold_42	113654	114214 Gmdrm	hypo	CG	-0.0346
scaffold_42	195377	195941 Gmdrm	hypo	CG	-0.0296
scaffold_422	3478	3694 Gmdrm	hypo	CG	-0.3889
scaffold_422	4048	4220 Gmdrm	hypo	CG	-0.665
scaffold_436	5793	5856 Gmdrm	hypo	CG	-0.3908
scaffold_436	10763	10901 Gmdrm	hypo	CG	-0.5087
scaffold_44	4843	5837 Gmdrm	hypo	CG	-0.0459
scaffold_44	8666	9647 Gmdrm	hypo	CG	-0.0217
scaffold_44	119184	119377 Gmdrm	hypo	CG	-0.0986
scaffold_44	130742	131377 Gmdrm	hypo	CG	-0.0414
scaffold_44	175563	176563 Gmdrm	hypo	CG	-0.0163
scaffold_44	189870	190870 Gmdrm	hypo	CG	-0.0566
scaffold_44	194527	194628 Gmdrm	hypo	CG	-0.1488
scaffold_44	197194	197630 Gmdrm	hypo	CG	-0.0746
scaffold_44	198785	199780 Gmdrm	hypo	CG	-0.0185
scaffold_452	3628	3730 Gmdrm	hypo	CG	-0.0712
scaffold_452	6517	7218 Gmdrm	hypo	CG	-0.0298
scaffold_46	50354	51350 Gmdrm	hypo	CG	-0.0292
scaffold_46	54053	54136 Gmdrm	hypo	CG	-0.1007
scaffold_46	61974	62285 Gmdrm	hypo	CG	-0.0422
scaffold_46	92149	92278 Gmdrm	hypo	CG	-0.13
scaffold_47	20684	21321 Gmdrm	hypo	CG	-0.0636
scaffold_47	21863	22858 Gmdrm	hypo	CG	-0.0288
scaffold_47	22873	23868 Gmdrm	hypo	CG	-0.0489
scaffold_47	60229	60760 Gmdrm	hypo	CG	-0.0636
scaffold_47	91343	91761 Gmdrm	hypo	CG	-0.0622
scaffold_47	115694	115765 Gmdrm	hypo	CG	-0.1584
scaffold_47	131199	132187 Gmdrm	hypo	CG	-0.0451
scaffold_47	132220	133214 Gmdrm	hypo	CG	-0.0335
scaffold_47	137978	138968 Gmdrm	hypo	CG	-0.0328
scaffold_47	161655	162654 Gmdrm	hypo	CG	-0.0234
scaffold_47	163110	164102 Gmdrm	hypo	CG	-0.0216
scaffold_47	164111	165111 Gmdrm	hypo	CG	-0.0232
scaffold_475	2992	3475 Gmdrm	hypo	CG	-0.8008
scaffold_478	9565	9660 Gmdrm	hypo	CG	-0.5884
scaffold_478	10508	10538 Gmdrm	hypo	CG	-0.1066
scaffold_50	1310	1776 Gmdrm	hypo	CG	-0.0524
scaffold_501	182	224 Gmdrm	hypo	CG	-0.1717
scaffold_506	2095	2482 Gmdrm	hypo	CG	-0.0484
scaffold_506	2935	3063 Gmdrm	hypo	CG	-0.3825
scaffold_51	81616	82021 Gmdrm	hypo	CG	-0.1252
scaffold_51	93035	93468 Gmdrm	hypo	CG	-0.085
scaffold_51	158351	159341 Gmdrm	hypo	CG	-0.038

scaffold_52	76808	77573 Gmdrm	hypo	CG	-0.0323
scaffold_52	123417	124394 Gmdrm	hypo	CG	-0.034
scaffold_55	152748	153739 Gmdrm	hypo	CG	-0.0235
scaffold_56	40650	41634 Gmdrm	hypo	CG	-0.0263
scaffold_56	73019	73256 Gmdrm	hypo	CG	-0.0806
scaffold_60	10213	10933 Gmdrm	hypo	CG	-0.044
scaffold_60	21587	21641 Gmdrm	hypo	CG	-0.2
scaffold_60	26054	26255 Gmdrm	hypo	CG	-0.1276
scaffold_60	59965	60943 Gmdrm	hypo	CG	-0.0298
scaffold_60	69814	70101 Gmdrm	hypo	CG	-0.0744
scaffold_60	80273	80438 Gmdrm	hypo	CG	-0.2243
scaffold_61	28741	29559 Gmdrm	hypo	CG	-0.0409
scaffold_62	1506	1709 Gmdrm	hypo	CG	-0.0618
scaffold_71	31712	32694 Gmdrm	hypo	CG	-0.0181
scaffold_83	3284	3503 Gmdrm	hypo	CG	-0.0573
scaffold_83	69261	70254 Gmdrm	hypo	CG	-0.0278
scaffold_88	46822	47433 Gmdrm	hypo	CG	-0.0382
scaffold_88	57235	57746 Gmdrm	hypo	CG	-0.0296
scaffold_92	34284	35101 Gmdrm	hypo	CG	-0.0303
scaffold_93	57907	58743 Gmdrm	hypo	CG	-0.0288
scaffold_95	77858	78377 Gmdrm	hypo	CG	-0.07
Gm01	27486	27786 Gmdrm	hyper	CHG	0.1733
Gm01	43891	44500 Gmdrm	hyper	CHG	0.1756
Gm01	45630	46272 Gmdrm	hyper	CHG	0.2289
Gm01	172719	172867 Gmdrm	hyper	CHG	0.14
Gm01	181622	181846 Gmdrm	hyper	CHG	0.0345
Gm01	190121	190175 Gmdrm	hyper	CHG	0.5167
Gm01	213136	213814 Gmdrm	hyper	CHG	0.1939
Gm01	334833	334960 Gmdrm	hyper	CHG	0.03
Gm01	610167	610440 Gmdrm	hyper	CHG	0.0264
Gm01	619622	619965 Gmdrm	hyper	CHG	0.0412
Gm01	718257	718500 Gmdrm	hyper	CHG	0.055
Gm01	763268	763400 Gmdrm	hyper	CHG	0.035
Gm01	797616	797771 Gmdrm	hyper	CHG	0.042
Gm01	843064	843336 Gmdrm	hyper	CHG	0.0293
Gm01	876307	876458 Gmdrm	hyper	CHG	0.0357
Gm01	980366	980539 Gmdrm	hyper	CHG	0.04
Gm01	981373	981465 Gmdrm	hyper	CHG	0.056
Gm01	994484	994650 Gmdrm	hyper	CHG	0.058
Gm01	1171832	1171979 Gmdrm	hyper	CHG	0.146
Gm01	1195556	1195808 Gmdrm	hyper	CHG	0.0417
Gm01	1226395	1226483 Gmdrm	hyper	CHG	0.04
Gm01	1319933	1320251 Gmdrm	hyper	CHG	0.025
Gm01	1372954	1373183 Gmdrm	hyper	CHG	0.0413
Gm01	1397079	1397374 Gmdrm	hyper	CHG	0.0314
Gm01	1541941	1542061 Gmdrm	hyper	CHG	0.02

Gm01	1683847	1684041	Gmdrm	hyper	CHG	0.04
Gm01	1714906	1715107	Gmdrm	hyper	CHG	0.0257
Gm01	1889190	1889337	Gmdrm	hyper	CHG	0.028
Gm01	1890350	1890836	Gmdrm	hyper	CHG	0.0309
Gm01	2105715	2105832	Gmdrm	hyper	CHG	0.0514
Gm01	2133941	2134057	Gmdrm	hyper	CHG	0.0817
Gm01	2138733	2138924	Gmdrm	hyper	CHG	0.0263
Gm01	2423748	2423930	Gmdrm	hyper	CHG	0.146
Gm01	2444539	2444632	Gmdrm	hyper	CHG	0.048
Gm01	2446008	2446097	Gmdrm	hyper	CHG	0.0637
Gm01	2469588	2469754	Gmdrm	hyper	CHG	0.07
Gm01	2840985	2841201	Gmdrm	hyper	CHG	0.115
Gm01	2879598	2880058	Gmdrm	hyper	CHG	0.0517
Gm01	2977991	2978329	Gmdrm	hyper	CHG	0.28
Gm01	3004949	3004977	Gmdrm	hyper	CHG	0.038
Gm01	3099993	3100249	Gmdrm	hyper	CHG	0.5442
Gm01	3140832	3141017	Gmdrm	hyper	CHG	0.0617
Gm01	3253034	3253257	Gmdrm	hyper	CHG	0.088
Gm01	3347038	3347201	Gmdrm	hyper	CHG	0.054
Gm01	3617869	3617947	Gmdrm	hyper	CHG	0.0212
Gm01	3710667	3710963	Gmdrm	hyper	CHG	0.0626
Gm01	3784740	3784948	Gmdrm	hyper	CHG	0.0275
Gm01	3794384	3794703	Gmdrm	hyper	CHG	0.4895
Gm01	3854923	3855050	Gmdrm	hyper	CHG	0.068
Gm01	3920342	3920428	Gmdrm	hyper	CHG	0.0487
Gm01	3968457	3968637	Gmdrm	hyper	CHG	0.0417
Gm01	3995439	3995650	Gmdrm	hyper	CHG	0.0514
Gm01	4075947	4075996	Gmdrm	hyper	CHG	0.044
Gm01	4143961	4144259	Gmdrm	hyper	CHG	0.0445
Gm01	4529165	4530141	Gmdrm	hyper	CHG	0.0798
Gm01	4606650	4606688	Gmdrm	hyper	CHG	0.044
Gm01	4666778	4667123	Gmdrm	hyper	CHG	0.0293
Gm01	4671093	4671243	Gmdrm	hyper	CHG	0.038
Gm01	4794293	4794437	Gmdrm	hyper	CHG	0.3449
Gm01	4797207	4797402	Gmdrm	hyper	CHG	0.068
Gm01	5010978	5011260	Gmdrm	hyper	CHG	0.0422
Gm01	5050574	5050758	Gmdrm	hyper	CHG	0.044
Gm01	5080833	5080952	Gmdrm	hyper	CHG	0.0433
Gm01	5539951	5540065	Gmdrm	hyper	CHG	0.056
Gm01	5560360	5560486	Gmdrm	hyper	CHG	0.046
Gm01	5600004	5600125	Gmdrm	hyper	CHG	0.7775
Gm01	5600482	5600539	Gmdrm	hyper	CHG	0.25
Gm01	5725657	5726360	Gmdrm	hyper	CHG	0.6538
Gm01	5726545	5727002	Gmdrm	hyper	CHG	0.7944
Gm01	6052872	6053023	Gmdrm	hyper	CHG	0.0457
Gm01	6083514	6083651	Gmdrm	hyper	CHG	0.042

Gm01	6152762	6152820	Gmdrm	hyper	CHG	0.1922
Gm01	6325169	6325571	Gmdrm	hyper	CHG	0.0338
Gm01	6328404	6328441	Gmdrm	hyper	CHG	0.7317
Gm01	6422842	6423206	Gmdrm	hyper	CHG	0.1459
Gm01	6638353	6638413	Gmdrm	hyper	CHG	0.4911
Gm01	6707113	6707329	Gmdrm	hyper	CHG	0.05
Gm01	6744181	6744334	Gmdrm	hyper	CHG	0.064
Gm01	7052045	7052156	Gmdrm	hyper	CHG	0.072
Gm01	7197134	7197233	Gmdrm	hyper	CHG	0.0434
Gm01	7363195	7363289	Gmdrm	hyper	CHG	0.0433
Gm01	7641218	7641352	Gmdrm	hyper	CHG	0.1733
Gm01	7642174	7642313	Gmdrm	hyper	CHG	0.2766
Gm01	7766156	7766483	Gmdrm	hyper	CHG	0.0447
Gm01	7802032	7802282	Gmdrm	hyper	CHG	0.09
Gm01	7867146	7867543	Gmdrm	hyper	CHG	0.1553
Gm01	8126429	8126510	Gmdrm	hyper	CHG	0.2517
Gm01	8231685	8232024	Gmdrm	hyper	CHG	0.1354
Gm01	8286889	8287176	Gmdrm	hyper	CHG	0.58
Gm01	8459549	8459710	Gmdrm	hyper	CHG	0.0325
Gm01	8542782	8542881	Gmdrm	hyper	CHG	0.709
Gm01	8810720	8810881	Gmdrm	hyper	CHG	0.1251
Gm01	9064229	9064405	Gmdrm	hyper	CHG	0.0462
Gm01	9234010	9234094	Gmdrm	hyper	CHG	0.525
Gm01	9234344	9234567	Gmdrm	hyper	CHG	0.67
Gm01	9234678	9234772	Gmdrm	hyper	CHG	0.674
Gm01	9577984	9578249	Gmdrm	hyper	CHG	0.2437
Gm01	9879917	9879954	Gmdrm	hyper	CHG	0.0616
Gm01	9900955	9901417	Gmdrm	hyper	CHG	0.14
Gm01	10095973	10096128	Gmdrm	hyper	CHG	0.0909
Gm01	10604140	10604847	Gmdrm	hyper	CHG	0.2086
Gm01	10849979	10850214	Gmdrm	hyper	CHG	0.1345
Gm01	11232703	11232759	Gmdrm	hyper	CHG	0.032
Gm01	11729205	11729649	Gmdrm	hyper	CHG	0.4618
Gm01	11730016	11730400	Gmdrm	hyper	CHG	0.1433
Gm01	11730777	11731766	Gmdrm	hyper	CHG	0.1123
Gm01	11790062	11790343	Gmdrm	hyper	CHG	0.2407
Gm01	11810956	11811405	Gmdrm	hyper	CHG	0.12
Gm01	11983722	11984242	Gmdrm	hyper	CHG	0.4233
Gm01	12081624	12081783	Gmdrm	hyper	CHG	0.2212
Gm01	12123395	12123480	Gmdrm	hyper	CHG	0.1658
Gm01	12760153	12760336	Gmdrm	hyper	CHG	0.318
Gm01	12760561	12760655	Gmdrm	hyper	CHG	0.5133
Gm01	12760801	12761065	Gmdrm	hyper	CHG	0.2425
Gm01	12761209	12761971	Gmdrm	hyper	CHG	0.2643
Gm01	12840034	12840131	Gmdrm	hyper	CHG	0.394
Gm01	13023550	13023774	Gmdrm	hyper	CHG	0.0729

Gm01	13303571	13303618	Gmdrm	hyper	CHG	0.108
Gm01	13351015	13351190	Gmdrm	hyper	CHG	0.1879
Gm01	14141805	14142446	Gmdrm	hyper	CHG	0.0887
Gm01	14146225	14146334	Gmdrm	hyper	CHG	0.042
Gm01	14186103	14186230	Gmdrm	hyper	CHG	0.106
Gm01	14375411	14375763	Gmdrm	hyper	CHG	0.1707
Gm01	14642635	14642913	Gmdrm	hyper	CHG	0.1781
Gm01	14668307	14668438	Gmdrm	hyper	CHG	0.396
Gm01	14688419	14689094	Gmdrm	hyper	CHG	0.2155
Gm01	15216272	15217235	Gmdrm	hyper	CHG	0.1263
Gm01	15217275	15218268	Gmdrm	hyper	CHG	0.1127
Gm01	15244341	15245015	Gmdrm	hyper	CHG	0.1663
Gm01	15247217	15247305	Gmdrm	hyper	CHG	0.4042
Gm01	15370434	15370812	Gmdrm	hyper	CHG	0.1379
Gm01	15371353	15371532	Gmdrm	hyper	CHG	0.1529
Gm01	15389488	15390093	Gmdrm	hyper	CHG	0.3005
Gm01	15754495	15755015	Gmdrm	hyper	CHG	0.1208
Gm01	15802150	15802359	Gmdrm	hyper	CHG	0.24
Gm01	15931861	15931986	Gmdrm	hyper	CHG	0.1913
Gm01	16066910	16067591	Gmdrm	hyper	CHG	0.2825
Gm01	16088204	16088927	Gmdrm	hyper	CHG	0.2197
Gm01	16265021	16265265	Gmdrm	hyper	CHG	0.1279
Gm01	16387216	16387645	Gmdrm	hyper	CHG	0.0963
Gm01	16676353	16676488	Gmdrm	hyper	CHG	0.03
Gm01	17097128	17097263	Gmdrm	hyper	CHG	0.1517
Gm01	18228921	18228933	Gmdrm	hyper	CHG	0.2467
Gm01	18722551	18723088	Gmdrm	hyper	CHG	0.1786
Gm01	19356019	19356280	Gmdrm	hyper	CHG	0.07
Gm01	19876817	19877074	Gmdrm	hyper	CHG	0.0444
Gm01	19895440	19895452	Gmdrm	hyper	CHG	0.1234
Gm01	19978317	19978488	Gmdrm	hyper	CHG	0.2375
Gm01	20844983	20845137	Gmdrm	hyper	CHG	0.4463
Gm01	20845359	20845441	Gmdrm	hyper	CHG	0.3249
Gm01	20931592	20932539	Gmdrm	hyper	CHG	0.1228
Gm01	20980940	20981540	Gmdrm	hyper	CHG	0.1366
Gm01	21506432	21506936	Gmdrm	hyper	CHG	0.154
Gm01	21560318	21560519	Gmdrm	hyper	CHG	0.293
Gm01	21704770	21704861	Gmdrm	hyper	CHG	0.458
Gm01	21778042	21778153	Gmdrm	hyper	CHG	0.0588
Gm01	22046648	22046841	Gmdrm	hyper	CHG	0.1267
Gm01	22233412	22233690	Gmdrm	hyper	CHG	0.225
Gm01	22314689	22315366	Gmdrm	hyper	CHG	0.0835
Gm01	22508266	22508474	Gmdrm	hyper	CHG	0.0317
Gm01	22831099	22831472	Gmdrm	hyper	CHG	0.1759
Gm01	23620309	23621053	Gmdrm	hyper	CHG	0.1466
Gm01	24081274	24081483	Gmdrm	hyper	CHG	0.0611

Gm01	24849041	24849059	Gmdrm	hyper	CHG	0.245
Gm01	25266275	25266412	Gmdrm	hyper	CHG	0.05
Gm01	25267274	25267524	Gmdrm	hyper	CHG	0.0789
Gm01	25609197	25609469	Gmdrm	hyper	CHG	0.0525
Gm01	25817624	25817663	Gmdrm	hyper	CHG	0.2067
Gm01	25981918	25981941	Gmdrm	hyper	CHG	0.16
Gm01	26290911	26291347	Gmdrm	hyper	CHG	0.1937
Gm01	26291451	26292104	Gmdrm	hyper	CHG	0.1856
Gm01	26296304	26297085	Gmdrm	hyper	CHG	0.1289
Gm01	26297237	26297370	Gmdrm	hyper	CHG	0.0971
Gm01	26535050	26535246	Gmdrm	hyper	CHG	0.0243
Gm01	26719407	26719674	Gmdrm	hyper	CHG	0.04
Gm01	27567279	27567426	Gmdrm	hyper	CHG	0.1883
Gm01	28162383	28162442	Gmdrm	hyper	CHG	0.2366
Gm01	28485044	28485379	Gmdrm	hyper	CHG	0.3533
Gm01	28485690	28485807	Gmdrm	hyper	CHG	0.105
Gm01	28487124	28487386	Gmdrm	hyper	CHG	0.083
Gm01	28487635	28487897	Gmdrm	hyper	CHG	0.333
Gm01	28630089	28630635	Gmdrm	hyper	CHG	0.0284
Gm01	29171688	29171808	Gmdrm	hyper	CHG	0.2267
Gm01	29336637	29337037	Gmdrm	hyper	CHG	0.1895
Gm01	29614430	29614617	Gmdrm	hyper	CHG	0.0385
Gm01	30312704	30313601	Gmdrm	hyper	CHG	0.283
Gm01	31200491	31200519	Gmdrm	hyper	CHG	0.176
Gm01	31464489	31464553	Gmdrm	hyper	CHG	0.1934
Gm01	31969351	31969440	Gmdrm	hyper	CHG	0.4312
Gm01	31996471	31996485	Gmdrm	hyper	CHG	0.1117
Gm01	32108376	32109303	Gmdrm	hyper	CHG	0.2078
Gm01	32326924	32326957	Gmdrm	hyper	CHG	0.0833
Gm01	32530931	32530993	Gmdrm	hyper	CHG	0.4
Gm01	32686176	32686395	Gmdrm	hyper	CHG	0.4627
Gm01	32686498	32686788	Gmdrm	hyper	CHG	0.4618
Gm01	32990476	32990595	Gmdrm	hyper	CHG	0.1849
Gm01	33484396	33484619	Gmdrm	hyper	CHG	0.04
Gm01	33544158	33544239	Gmdrm	hyper	CHG	0.3113
Gm01	33793511	33793751	Gmdrm	hyper	CHG	0.086
Gm01	33853464	33853675	Gmdrm	hyper	CHG	0.05
Gm01	33922232	33922614	Gmdrm	hyper	CHG	0.0411
Gm01	34189292	34189496	Gmdrm	hyper	CHG	0.449
Gm01	34442564	34442828	Gmdrm	hyper	CHG	0.1791
Gm01	34463101	34463229	Gmdrm	hyper	CHG	0.126
Gm01	34565601	34565955	Gmdrm	hyper	CHG	0.0169
Gm01	35468106	35468187	Gmdrm	hyper	CHG	0.2317
Gm01	35724735	35724785	Gmdrm	hyper	CHG	0.1484
Gm01	35786182	35786335	Gmdrm	hyper	CHG	0.039
Gm01	35832975	35833091	Gmdrm	hyper	CHG	0.0683

Gm01	35881417	35881585	Gmdrm	hyper	CHG	0.1181
Gm01	36846598	36846695	Gmdrm	hyper	CHG	0.2767
Gm01	36973969	36974745	Gmdrm	hyper	CHG	0.113
Gm01	37399502	37399930	Gmdrm	hyper	CHG	0.1668
Gm01	37406167	37406579	Gmdrm	hyper	CHG	0.145
Gm01	37406860	37407170	Gmdrm	hyper	CHG	0.2674
Gm01	37442633	37443118	Gmdrm	hyper	CHG	0.1194
Gm01	37528814	37529574	Gmdrm	hyper	CHG	0.278
Gm01	37529786	37529866	Gmdrm	hyper	CHG	0.6084
Gm01	37919058	37919323	Gmdrm	hyper	CHG	0.1574
Gm01	38022811	38022855	Gmdrm	hyper	CHG	0.04
Gm01	38230110	38230670	Gmdrm	hyper	CHG	0.0558
Gm01	38230834	38231811	Gmdrm	hyper	CHG	0.3171
Gm01	38234244	38234543	Gmdrm	hyper	CHG	0.036
Gm01	38371607	38371911	Gmdrm	hyper	CHG	0.1164
Gm01	39007312	39007762	Gmdrm	hyper	CHG	0.151
Gm01	39321162	39321486	Gmdrm	hyper	CHG	0.4094
Gm01	39321601	39321728	Gmdrm	hyper	CHG	0.332
Gm01	39582467	39582721	Gmdrm	hyper	CHG	0.064
Gm01	39747824	39747836	Gmdrm	hyper	CHG	0.175
Gm01	40524725	40524796	Gmdrm	hyper	CHG	0.1575
Gm01	40837754	40837910	Gmdrm	hyper	CHG	0.1989
Gm01	40874065	40874139	Gmdrm	hyper	CHG	0.2871
Gm01	40920883	40920941	Gmdrm	hyper	CHG	0.33
Gm01	41259713	41260010	Gmdrm	hyper	CHG	0.2708
Gm01	41342156	41342376	Gmdrm	hyper	CHG	0.4778
Gm01	41342477	41342761	Gmdrm	hyper	CHG	0.129
Gm01	41346119	41346414	Gmdrm	hyper	CHG	0.0373
Gm01	41350909	41351250	Gmdrm	hyper	CHG	0.1296
Gm01	41359054	41359114	Gmdrm	hyper	CHG	0.0988
Gm01	41884224	41884643	Gmdrm	hyper	CHG	0.1983
Gm01	41886412	41886700	Gmdrm	hyper	CHG	0.0817
Gm01	42030023	42030240	Gmdrm	hyper	CHG	0.0262
Gm01	42898628	42898773	Gmdrm	hyper	CHG	0.046
Gm01	42903645	42903870	Gmdrm	hyper	CHG	0.6536
Gm01	42904046	42904323	Gmdrm	hyper	CHG	0.1206
Gm01	42904771	42905023	Gmdrm	hyper	CHG	0.0717
Gm01	43148808	43149059	Gmdrm	hyper	CHG	0.0433
Gm01	43788324	43788456	Gmdrm	hyper	CHG	0.301
Gm01	44032549	44032659	Gmdrm	hyper	CHG	0.2417
Gm01	44033179	44033450	Gmdrm	hyper	CHG	0.1728
Gm01	44034114	44035053	Gmdrm	hyper	CHG	0.2679
Gm01	44035412	44036001	Gmdrm	hyper	CHG	0.1969
Gm01	44036114	44036759	Gmdrm	hyper	CHG	0.07
Gm01	44036861	44037853	Gmdrm	hyper	CHG	0.1377
Gm01	44197464	44197660	Gmdrm	hyper	CHG	0.202

Gm01	44453780	44453909	Gmdrm	hyper	CHG	0.1858
Gm01	44485505	44485550	Gmdrm	hyper	CHG	0.2084
Gm01	44715532	44715733	Gmdrm	hyper	CHG	0.145
Gm01	45023670	45023903	Gmdrm	hyper	CHG	0.0242
Gm01	45040898	45041107	Gmdrm	hyper	CHG	0.0529
Gm01	45053433	45053778	Gmdrm	hyper	CHG	0.0367
Gm01	45113003	45113296	Gmdrm	hyper	CHG	0.0374
Gm01	45184825	45184997	Gmdrm	hyper	CHG	0.0817
Gm01	45218129	45218581	Gmdrm	hyper	CHG	0.08
Gm01	45332041	45332165	Gmdrm	hyper	CHG	0.0829
Gm01	45631866	45631943	Gmdrm	hyper	CHG	0.0483
Gm01	45896103	45896215	Gmdrm	hyper	CHG	0.098
Gm01	45973883	45974854	Gmdrm	hyper	CHG	0.053
Gm01	46182830	46182956	Gmdrm	hyper	CHG	0.084
Gm01	46293089	46293349	Gmdrm	hyper	CHG	0.028
Gm01	46381665	46381857	Gmdrm	hyper	CHG	0.2022
Gm01	46472312	46472398	Gmdrm	hyper	CHG	0.0388
Gm01	46684323	46684724	Gmdrm	hyper	CHG	0.1087
Gm01	46764484	46764525	Gmdrm	hyper	CHG	0.3533
Gm01	46860275	46860457	Gmdrm	hyper	CHG	0.0457
Gm01	46913276	46913316	Gmdrm	hyper	CHG	0.0957
Gm01	47029146	47029451	Gmdrm	hyper	CHG	0.0533
Gm01	47034188	47034474	Gmdrm	hyper	CHG	0.0378
Gm01	47231015	47231142	Gmdrm	hyper	CHG	0.236
Gm01	47595153	47595430	Gmdrm	hyper	CHG	0.2786
Gm01	47787700	47788529	Gmdrm	hyper	CHG	0.2816
Gm01	47878550	47878727	Gmdrm	hyper	CHG	0.0717
Gm01	47943494	47943660	Gmdrm	hyper	CHG	0.112
Gm01	48077585	48077668	Gmdrm	hyper	CHG	0.7218
Gm01	48518232	48518373	Gmdrm	hyper	CHG	0.042
Gm01	48716580	48716994	Gmdrm	hyper	CHG	0.05
Gm01	48776977	48777083	Gmdrm	hyper	CHG	0.2089
Gm01	48778787	48778848	Gmdrm	hyper	CHG	0.1372
Gm01	48830059	48830323	Gmdrm	hyper	CHG	0.0325
Gm01	48981082	48981283	Gmdrm	hyper	CHG	0.054
Gm01	49028780	49028942	Gmdrm	hyper	CHG	0.0417
Gm01	49117886	49118155	Gmdrm	hyper	CHG	0.0247
Gm01	49169781	49169879	Gmdrm	hyper	CHG	0.1308
Gm01	49170248	49170296	Gmdrm	hyper	CHG	0.445
Gm01	49199428	49199533	Gmdrm	hyper	CHG	0.0583
Gm01	49279138	49279318	Gmdrm	hyper	CHG	0.052
Gm01	49282249	49282437	Gmdrm	hyper	CHG	0.044
Gm01	49289978	49290540	Gmdrm	hyper	CHG	0.055
Gm01	49345805	49345931	Gmdrm	hyper	CHG	0.105
Gm01	49346039	49346191	Gmdrm	hyper	CHG	0.0417
Gm01	49404679	49404943	Gmdrm	hyper	CHG	0.042

Gm01	49495519	49495663	Gmdrm	hyper	CHG	0.056
Gm01	49497879	49498132	Gmdrm	hyper	CHG	0.055
Gm01	49498561	49498723	Gmdrm	hyper	CHG	0.0457
Gm01	49566312	49566536	Gmdrm	hyper	CHG	0.0414
Gm01	49610529	49610567	Gmdrm	hyper	CHG	0.065
Gm01	49668140	49668770	Gmdrm	hyper	CHG	0.0362
Gm01	49694450	49694667	Gmdrm	hyper	CHG	0.06
Gm01	49801790	49802372	Gmdrm	hyper	CHG	0.3826
Gm01	49802485	49802998	Gmdrm	hyper	CHG	0.1818
Gm01	49813238	49813535	Gmdrm	hyper	CHG	0.0514
Gm01	49882097	49882182	Gmdrm	hyper	CHG	0.0675
Gm01	49967739	49967899	Gmdrm	hyper	CHG	0.0389
Gm01	49990317	49990474	Gmdrm	hyper	CHG	0.03
Gm01	50145648	50145869	Gmdrm	hyper	CHG	0.064
Gm01	50192316	50192442	Gmdrm	hyper	CHG	0.03
Gm01	50263135	50263265	Gmdrm	hyper	CHG	0.0786
Gm01	50408005	50408098	Gmdrm	hyper	CHG	0.03
Gm01	50475568	50475750	Gmdrm	hyper	CHG	0.049
Gm01	50546801	50547159	Gmdrm	hyper	CHG	0.104
Gm01	50577141	50577521	Gmdrm	hyper	CHG	0.0986
Gm01	50620271	50620790	Gmdrm	hyper	CHG	0.0692
Gm01	50679832	50680004	Gmdrm	hyper	CHG	0.052
Gm01	50691947	50691964	Gmdrm	hyper	CHG	0.314
Gm01	50779886	50780018	Gmdrm	hyper	CHG	0.0425
Gm01	50844664	50844892	Gmdrm	hyper	CHG	0.0433
Gm01	50856527	50856881	Gmdrm	hyper	CHG	0.4357
Gm01	51078208	51078368	Gmdrm	hyper	CHG	0.0817
Gm01	51285133	51285330	Gmdrm	hyper	CHG	0.0288
Gm01	51525368	51525503	Gmdrm	hyper	CHG	0.0343
Gm01	51729863	51730059	Gmdrm	hyper	CHG	0.058
Gm01	51793015	51793305	Gmdrm	hyper	CHG	0.0487
Gm01	51859859	51860139	Gmdrm	hyper	CHG	0.0328
Gm01	52025948	52026187	Gmdrm	hyper	CHG	0.0344
Gm01	52035420	52035752	Gmdrm	hyper	CHG	0.0463
Gm01	52048661	52048920	Gmdrm	hyper	CHG	0.0289
Gm01	52054320	52054562	Gmdrm	hyper	CHG	0.0743
Gm01	52208572	52208800	Gmdrm	hyper	CHG	0.0507
Gm01	52296361	52296550	Gmdrm	hyper	CHG	0.0641
Gm01	52349201	52349444	Gmdrm	hyper	CHG	0.03
Gm01	52357817	52358115	Gmdrm	hyper	CHG	0.028
Gm01	52496793	52496905	Gmdrm	hyper	CHG	0.04
Gm01	52574933	52575130	Gmdrm	hyper	CHG	0.0363
Gm01	52624692	52624999	Gmdrm	hyper	CHG	0.0578
Gm01	52847748	52847864	Gmdrm	hyper	CHG	0.044
Gm01	53292246	53292379	Gmdrm	hyper	CHG	0.084
Gm01	53379045	53379138	Gmdrm	hyper	CHG	0.0543

Gm01	53381057	53381587	Gmdrm	hyper	CHG	0.035
Gm01	53434315	53434472	Gmdrm	hyper	CHG	0.042
Gm01	53438389	53438647	Gmdrm	hyper	CHG	0.06
Gm01	53554821	53554870	Gmdrm	hyper	CHG	0.046
Gm01	53574220	53574600	Gmdrm	hyper	CHG	0.1111
Gm01	53971420	53971884	Gmdrm	hyper	CHG	0.0322
Gm01	53999348	53999525	Gmdrm	hyper	CHG	0.0543
Gm01	54286569	54286737	Gmdrm	hyper	CHG	0.0384
Gm01	54346949	54347280	Gmdrm	hyper	CHG	0.2368
Gm01	54412814	54412993	Gmdrm	hyper	CHG	0.038
Gm01	54433725	54433865	Gmdrm	hyper	CHG	0.054
Gm01	54553825	54554030	Gmdrm	hyper	CHG	0.0283
Gm01	54610638	54610859	Gmdrm	hyper	CHG	0.05
Gm01	54628249	54628356	Gmdrm	hyper	CHG	0.038
Gm01	54708049	54708174	Gmdrm	hyper	CHG	0.21
Gm01	54820748	54820851	Gmdrm	hyper	CHG	0.036
Gm01	54826868	54826972	Gmdrm	hyper	CHG	0.05
Gm01	55019977	55020111	Gmdrm	hyper	CHG	0.054
Gm01	55113915	55114004	Gmdrm	hyper	CHG	0.0433
Gm01	55139377	55140180	Gmdrm	hyper	CHG	0.1472
Gm01	55146808	55146946	Gmdrm	hyper	CHG	0.0366
Gm01	55228876	55229034	Gmdrm	hyper	CHG	0.098
Gm01	55284645	55284891	Gmdrm	hyper	CHG	0.0662
Gm01	55308097	55308369	Gmdrm	hyper	CHG	0.0483
Gm01	55626233	55626655	Gmdrm	hyper	CHG	0.3246
Gm01	55629674	55629746	Gmdrm	hyper	CHG	0.062
Gm01	55704565	55704740	Gmdrm	hyper	CHG	0.04
Gm01	55730587	55730657	Gmdrm	hyper	CHG	0.09
Gm01	55828883	55828979	Gmdrm	hyper	CHG	0.04
Gm01	55870713	55870842	Gmdrm	hyper	CHG	0.135
Gm01	55928294	55928782	Gmdrm	hyper	CHG	0.0319
Gm01	56031152	56031179	Gmdrm	hyper	CHG	0.0866
Gm01	56179522	56179792	Gmdrm	hyper	CHG	0.0378
Gm01	56183920	56184215	Gmdrm	hyper	CHG	0.0387
Gm01	56187256	56187504	Gmdrm	hyper	CHG	0.0217
Gm01	56353566	56353833	Gmdrm	hyper	CHG	0.0333
Gm01	56448063	56448164	Gmdrm	hyper	CHG	0.034
Gm01	56612785	56612864	Gmdrm	hyper	CHG	0.034
Gm01	56820291	56820537	Gmdrm	hyper	CHG	0.0301
Gm01	56849460	56849602	Gmdrm	hyper	CHG	0.062
Gm01	56851840	56852049	Gmdrm	hyper	CHG	0.0538
Gm01	56890728	56891015	Gmdrm	hyper	CHG	0.037
Gm01	56912496	56912652	Gmdrm	hyper	CHG	0.0486
Gm01	57030916	57031235	Gmdrm	hyper	CHG	0.34
Gm01	57043261	57043469	Gmdrm	hyper	CHG	0.044
Gm01	57105028	57105200	Gmdrm	hyper	CHG	0.0354

Gm01	57274364	57274508	Gmdrm	hyper	CHG	0.2814
Gm01	57408755	57409011	Gmdrm	hyper	CHG	0.0788
Gm01	57435132	57435317	Gmdrm	hyper	CHG	0.072
Gm01	57446669	57446792	Gmdrm	hyper	CHG	0.05
Gm01	57573693	57573757	Gmdrm	hyper	CHG	0.0633
Gm01	57595210	57595355	Gmdrm	hyper	CHG	0.2928
Gm01	57692879	57693349	Gmdrm	hyper	CHG	0.0522
Gm01	57693499	57693917	Gmdrm	hyper	CHG	0.0316
Gm01	57757987	57758033	Gmdrm	hyper	CHG	0.0267
Gm01	57804864	57805198	Gmdrm	hyper	CHG	0.036
Gm02	81560	81702	Gmdrm	hyper	CHG	0.04
Gm02	127634	127674	Gmdrm	hyper	CHG	0.06
Gm02	173875	173987	Gmdrm	hyper	CHG	0.4262
Gm02	229387	229674	Gmdrm	hyper	CHG	0.0336
Gm02	298943	299109	Gmdrm	hyper	CHG	0.05
Gm02	317437	317691	Gmdrm	hyper	CHG	0.0517
Gm02	362561	363161	Gmdrm	hyper	CHG	0.2524
Gm02	371978	372316	Gmdrm	hyper	CHG	0.0539
Gm02	496477	496696	Gmdrm	hyper	CHG	0.0438
Gm02	533378	533610	Gmdrm	hyper	CHG	0.024
Gm02	565117	565248	Gmdrm	hyper	CHG	0.0457
Gm02	693114	693374	Gmdrm	hyper	CHG	0.0588
Gm02	1112508	1112711	Gmdrm	hyper	CHG	0.04
Gm02	1158164	1158409	Gmdrm	hyper	CHG	0.111
Gm02	1179418	1179617	Gmdrm	hyper	CHG	0.0237
Gm02	1208641	1208711	Gmdrm	hyper	CHG	0.0266
Gm02	1292794	1293085	Gmdrm	hyper	CHG	0.054
Gm02	1296991	1297260	Gmdrm	hyper	CHG	0.03
Gm02	1494852	1495041	Gmdrm	hyper	CHG	0.055
Gm02	1811825	1812002	Gmdrm	hyper	CHG	0.0617
Gm02	1871457	1871711	Gmdrm	hyper	CHG	0.0383
Gm02	1904168	1904332	Gmdrm	hyper	CHG	0.038
Gm02	2163380	2163888	Gmdrm	hyper	CHG	0.1544
Gm02	2263680	2263845	Gmdrm	hyper	CHG	0.0443
Gm02	2299250	2299584	Gmdrm	hyper	CHG	0.039
Gm02	2394951	2395261	Gmdrm	hyper	CHG	0.0543
Gm02	2512717	2512789	Gmdrm	hyper	CHG	0.345
Gm02	2654617	2654664	Gmdrm	hyper	CHG	0.068
Gm02	2751426	2751673	Gmdrm	hyper	CHG	0.0388
Gm02	2850340	2851074	Gmdrm	hyper	CHG	0.2956
Gm02	3067920	3068108	Gmdrm	hyper	CHG	0.03
Gm02	3139571	3139622	Gmdrm	hyper	CHG	0.064
Gm02	3185051	3185204	Gmdrm	hyper	CHG	0.034
Gm02	3225048	3225309	Gmdrm	hyper	CHG	0.0386
Gm02	3230820	3231074	Gmdrm	hyper	CHG	0.044
Gm02	3342248	3342477	Gmdrm	hyper	CHG	0.0289

Gm02	3612446	3612477	Gmdrm	hyper	CHG	0.038
Gm02	3680312	3680388	Gmdrm	hyper	CHG	0.044
Gm02	3698892	3699083	Gmdrm	hyper	CHG	0.0383
Gm02	4010283	4010682	Gmdrm	hyper	CHG	0.0575
Gm02	4034269	4034330	Gmdrm	hyper	CHG	0.042
Gm02	4076241	4076526	Gmdrm	hyper	CHG	0.054
Gm02	4144035	4144224	Gmdrm	hyper	CHG	0.028
Gm02	4245772	4245859	Gmdrm	hyper	CHG	0.1767
Gm02	4281133	4281332	Gmdrm	hyper	CHG	0.0343
Gm02	4310935	4311448	Gmdrm	hyper	CHG	0.0418
Gm02	4325653	4325737	Gmdrm	hyper	CHG	0.0333
Gm02	4563841	4564265	Gmdrm	hyper	CHG	0.0374
Gm02	4677269	4677330	Gmdrm	hyper	CHG	0.0483
Gm02	4696270	4696499	Gmdrm	hyper	CHG	0.0433
Gm02	4720288	4720581	Gmdrm	hyper	CHG	0.0443
Gm02	4722193	4722589	Gmdrm	hyper	CHG	0.0482
Gm02	4870407	4870763	Gmdrm	hyper	CHG	0.035
Gm02	4994018	4994212	Gmdrm	hyper	CHG	0.038
Gm02	5039855	5040005	Gmdrm	hyper	CHG	0.024
Gm02	5277016	5277254	Gmdrm	hyper	CHG	0.028
Gm02	5358435	5358611	Gmdrm	hyper	CHG	0.092
Gm02	5586917	5587124	Gmdrm	hyper	CHG	0.035
Gm02	5745484	5746009	Gmdrm	hyper	CHG	0.0333
Gm02	5890136	5890386	Gmdrm	hyper	CHG	0.04
Gm02	5913258	5913495	Gmdrm	hyper	CHG	0.0412
Gm02	5957403	5957542	Gmdrm	hyper	CHG	0.05
Gm02	6216125	6216472	Gmdrm	hyper	CHG	0.0382
Gm02	6273569	6273820	Gmdrm	hyper	CHG	0.0414
Gm02	6301660	6301832	Gmdrm	hyper	CHG	0.05
Gm02	6365928	6365968	Gmdrm	hyper	CHG	0.102
Gm02	6368270	6368595	Gmdrm	hyper	CHG	0.05
Gm02	6414406	6414693	Gmdrm	hyper	CHG	0.0366
Gm02	6445502	6445627	Gmdrm	hyper	CHG	0.046
Gm02	6612554	6612703	Gmdrm	hyper	CHG	0.032
Gm02	6708129	6708315	Gmdrm	hyper	CHG	0.034
Gm02	6807792	6807822	Gmdrm	hyper	CHG	0.03
Gm02	6901925	6902187	Gmdrm	hyper	CHG	0.0522
Gm02	6965922	6966076	Gmdrm	hyper	CHG	0.058
Gm02	6979154	6979243	Gmdrm	hyper	CHG	0.04
Gm02	7288675	7288838	Gmdrm	hyper	CHG	0.0527
Gm02	7290717	7290800	Gmdrm	hyper	CHG	0.0328
Gm02	7312381	7312711	Gmdrm	hyper	CHG	0.0382
Gm02	7378940	7379149	Gmdrm	hyper	CHG	0.0376
Gm02	7460972	7461081	Gmdrm	hyper	CHG	0.0317
Gm02	7504719	7505030	Gmdrm	hyper	CHG	0.0481
Gm02	7548740	7548935	Gmdrm	hyper	CHG	0.1455

Gm02	7549403	7549844	Gmdrm	hyper	CHG	0.097
Gm02	7775134	7775296	Gmdrm	hyper	CHG	0.058
Gm02	7793620	7793749	Gmdrm	hyper	CHG	0.042
Gm02	7877028	7877113	Gmdrm	hyper	CHG	0.0433
Gm02	7886704	7886872	Gmdrm	hyper	CHG	0.066
Gm02	8004512	8004732	Gmdrm	hyper	CHG	0.0533
Gm02	8020557	8020670	Gmdrm	hyper	CHG	0.036
Gm02	8086455	8086607	Gmdrm	hyper	CHG	0.048
Gm02	8098900	8099093	Gmdrm	hyper	CHG	0.0314
Gm02	8343246	8343755	Gmdrm	hyper	CHG	0.5932
Gm02	8343861	8344242	Gmdrm	hyper	CHG	0.2924
Gm02	8598522	8598648	Gmdrm	hyper	CHG	0.05
Gm02	8638384	8638603	Gmdrm	hyper	CHG	0.0567
Gm02	9249690	9249726	Gmdrm	hyper	CHG	0.0825
Gm02	9404689	9405025	Gmdrm	hyper	CHG	0.0262
Gm02	9498026	9498230	Gmdrm	hyper	CHG	0.5629
Gm02	9625847	9626475	Gmdrm	hyper	CHG	0.022
Gm02	9663707	9664060	Gmdrm	hyper	CHG	0.0507
Gm02	9786788	9786981	Gmdrm	hyper	CHG	0.054
Gm02	9895062	9895202	Gmdrm	hyper	CHG	0.3481
Gm02	9948713	9948741	Gmdrm	hyper	CHG	0.602
Gm02	9962781	9963231	Gmdrm	hyper	CHG	0.0343
Gm02	10053098	10053293	Gmdrm	hyper	CHG	0.0414
Gm02	10107680	10107895	Gmdrm	hyper	CHG	0.0483
Gm02	10255484	10255566	Gmdrm	hyper	CHG	0.035
Gm02	10403658	10403898	Gmdrm	hyper	CHG	0.0384
Gm02	10414607	10414722	Gmdrm	hyper	CHG	0.04
Gm02	10453640	10453720	Gmdrm	hyper	CHG	0.044
Gm02	10522918	10523051	Gmdrm	hyper	CHG	0.042
Gm02	10612770	10613015	Gmdrm	hyper	CHG	0.0315
Gm02	10615135	10615371	Gmdrm	hyper	CHG	0.048
Gm02	10645043	10645167	Gmdrm	hyper	CHG	0.038
Gm02	10660150	10660283	Gmdrm	hyper	CHG	0.0825
Gm02	10846295	10846513	Gmdrm	hyper	CHG	0.053
Gm02	11055653	11055804	Gmdrm	hyper	CHG	0.044
Gm02	11213312	11213467	Gmdrm	hyper	CHG	0.0612
Gm02	11237325	11237937	Gmdrm	hyper	CHG	0.0962
Gm02	11348265	11348320	Gmdrm	hyper	CHG	0.05
Gm02	11357168	11357462	Gmdrm	hyper	CHG	0.0557
Gm02	11367348	11367473	Gmdrm	hyper	CHG	0.0586
Gm02	11445798	11445909	Gmdrm	hyper	CHG	0.052
Gm02	11461705	11461882	Gmdrm	hyper	CHG	0.0557
Gm02	11538977	11539275	Gmdrm	hyper	CHG	0.0367
Gm02	11543971	11544096	Gmdrm	hyper	CHG	0.044
Gm02	11646661	11646810	Gmdrm	hyper	CHG	0.08
Gm02	12026722	12026887	Gmdrm	hyper	CHG	0.052

Gm02	12164875	12165141	Gmdrm	hyper	CHG	0.05
Gm02	12392340	12392597	Gmdrm	hyper	CHG	0.0417
Gm02	12503265	12503372	Gmdrm	hyper	CHG	0.1975
Gm02	12573067	12573348	Gmdrm	hyper	CHG	0.022
Gm02	12783548	12784121	Gmdrm	hyper	CHG	0.1953
Gm02	12826454	12826602	Gmdrm	hyper	CHG	0.054
Gm02	12826707	12826770	Gmdrm	hyper	CHG	0.046
Gm02	12993766	12993978	Gmdrm	hyper	CHG	0.03
Gm02	13038367	13038559	Gmdrm	hyper	CHG	0.026
Gm02	13997063	13997206	Gmdrm	hyper	CHG	0.2586
Gm02	14021193	14021480	Gmdrm	hyper	CHG	0.0288
Gm02	14158332	14158567	Gmdrm	hyper	CHG	0.066
Gm02	14251611	14251662	Gmdrm	hyper	CHG	0.032
Gm02	14259923	14259981	Gmdrm	hyper	CHG	0.0329
Gm02	14408084	14408132	Gmdrm	hyper	CHG	0.048
Gm02	14484298	14484610	Gmdrm	hyper	CHG	0.03
Gm02	14500970	14501094	Gmdrm	hyper	CHG	0.042
Gm02	14935341	14935464	Gmdrm	hyper	CHG	0.056
Gm02	14939827	14940132	Gmdrm	hyper	CHG	0.0366
Gm02	14940548	14940629	Gmdrm	hyper	CHG	0.048
Gm02	15055627	15055714	Gmdrm	hyper	CHG	0.088
Gm02	15165581	15165920	Gmdrm	hyper	CHG	0.0328
Gm02	15284867	15285182	Gmdrm	hyper	CHG	0.03
Gm02	15291152	15291699	Gmdrm	hyper	CHG	0.0286
Gm02	15293356	15293616	Gmdrm	hyper	CHG	0.096
Gm02	15313663	15313809	Gmdrm	hyper	CHG	0.1518
Gm02	15487016	15487105	Gmdrm	hyper	CHG	0.0366
Gm02	15508023	15508139	Gmdrm	hyper	CHG	0.05
Gm02	15624558	15624848	Gmdrm	hyper	CHG	0.0578
Gm02	15683356	15683488	Gmdrm	hyper	CHG	0.038
Gm02	15780168	15780309	Gmdrm	hyper	CHG	0.04
Gm02	15872642	15872839	Gmdrm	hyper	CHG	0.05
Gm02	15872942	15873093	Gmdrm	hyper	CHG	0.0513
Gm02	16041660	16041945	Gmdrm	hyper	CHG	0.0467
Gm02	16254453	16254618	Gmdrm	hyper	CHG	0.074
Gm02	16377946	16378708	Gmdrm	hyper	CHG	0.1948
Gm02	16381440	16382438	Gmdrm	hyper	CHG	0.1964
Gm02	16382976	16383349	Gmdrm	hyper	CHG	0.1145
Gm02	16383467	16384075	Gmdrm	hyper	CHG	0.1224
Gm02	16384266	16384722	Gmdrm	hyper	CHG	0.2088
Gm02	16385727	16386006	Gmdrm	hyper	CHG	0.0947
Gm02	17000631	17000846	Gmdrm	hyper	CHG	0.0311
Gm02	17721523	17721692	Gmdrm	hyper	CHG	0.0414
Gm02	17741273	17741321	Gmdrm	hyper	CHG	0.42
Gm02	17743249	17743271	Gmdrm	hyper	CHG	0.1966
Gm02	18167174	18167367	Gmdrm	hyper	CHG	0.388

Gm02	18207775	18207985	Gmdrm	hyper	CHG	0.4211
Gm02	18838425	18838567	Gmdrm	hyper	CHG	0.1846
Gm02	19055469	19055655	Gmdrm	hyper	CHG	0.2
Gm02	19745578	19746292	Gmdrm	hyper	CHG	0.0936
Gm02	20916796	20917056	Gmdrm	hyper	CHG	0.1838
Gm02	21076422	21076614	Gmdrm	hyper	CHG	0.3033
Gm02	21150120	21150409	Gmdrm	hyper	CHG	0.3045
Gm02	21449952	21450152	Gmdrm	hyper	CHG	0.2758
Gm02	21459966	21460031	Gmdrm	hyper	CHG	0.048
Gm02	21633523	21633696	Gmdrm	hyper	CHG	0.0224
Gm02	22068916	22069029	Gmdrm	hyper	CHG	0.17
Gm02	22459051	22459235	Gmdrm	hyper	CHG	0.4625
Gm02	22459428	22459494	Gmdrm	hyper	CHG	0.322
Gm02	22694105	22694442	Gmdrm	hyper	CHG	0.1885
Gm02	23146571	23146643	Gmdrm	hyper	CHG	0.3633
Gm02	24155003	24155198	Gmdrm	hyper	CHG	0.124
Gm02	24301386	24301704	Gmdrm	hyper	CHG	0.192
Gm02	24379303	24379342	Gmdrm	hyper	CHG	0.18
Gm02	24821729	24822086	Gmdrm	hyper	CHG	0.2344
Gm02	25771783	25772030	Gmdrm	hyper	CHG	0.2664
Gm02	25772181	25772323	Gmdrm	hyper	CHG	0.5533
Gm02	26064478	26065032	Gmdrm	hyper	CHG	0.367
Gm02	26157366	26157523	Gmdrm	hyper	CHG	0.2939
Gm02	26162441	26162549	Gmdrm	hyper	CHG	0.565
Gm02	26333980	26334089	Gmdrm	hyper	CHG	0.1
Gm02	26654496	26654755	Gmdrm	hyper	CHG	0.2531
Gm02	26665598	26665882	Gmdrm	hyper	CHG	0.0588
Gm02	26850183	26850525	Gmdrm	hyper	CHG	0.2161
Gm02	26853192	26853648	Gmdrm	hyper	CHG	0.211
Gm02	27189021	27189197	Gmdrm	hyper	CHG	0.062
Gm02	27770592	27770951	Gmdrm	hyper	CHG	0.0362
Gm02	28068554	28068717	Gmdrm	hyper	CHG	0.6178
Gm02	28195388	28195521	Gmdrm	hyper	CHG	0.116
Gm02	28267859	28267990	Gmdrm	hyper	CHG	0.055
Gm02	28492891	28493139	Gmdrm	hyper	CHG	0.179
Gm02	28767441	28767752	Gmdrm	hyper	CHG	0.23
Gm02	28816763	28816947	Gmdrm	hyper	CHG	0.038
Gm02	28937132	28937217	Gmdrm	hyper	CHG	0.2086
Gm02	28946377	28946559	Gmdrm	hyper	CHG	0.14
Gm02	29467421	29467556	Gmdrm	hyper	CHG	0.0729
Gm02	29605458	29605680	Gmdrm	hyper	CHG	0.1071
Gm02	29723924	29724013	Gmdrm	hyper	CHG	0.426
Gm02	29822367	29822819	Gmdrm	hyper	CHG	0.1195
Gm02	29913072	29913193	Gmdrm	hyper	CHG	0.185
Gm02	30455033	30455300	Gmdrm	hyper	CHG	0.253
Gm02	30614054	30614161	Gmdrm	hyper	CHG	0.591

Gm02	30771355	30771449	Gmdrm	hyper	CHG	0.5826
Gm02	31209710	31209784	Gmdrm	hyper	CHG	0.1377
Gm02	31618929	31618989	Gmdrm	hyper	CHG	0.3214
Gm02	31902685	31902917	Gmdrm	hyper	CHG	0.3841
Gm02	31903034	31903384	Gmdrm	hyper	CHG	0.3975
Gm02	32044793	32045147	Gmdrm	hyper	CHG	0.0338
Gm02	32152819	32153084	Gmdrm	hyper	CHG	0.0588
Gm02	32216413	32216530	Gmdrm	hyper	CHG	0.4483
Gm02	32224594	32225001	Gmdrm	hyper	CHG	0.122
Gm02	32225968	32226962	Gmdrm	hyper	CHG	0.0915
Gm02	32465649	32466023	Gmdrm	hyper	CHG	0.0422
Gm02	32770196	32770317	Gmdrm	hyper	CHG	0.06
Gm02	32798645	32798737	Gmdrm	hyper	CHG	0.2833
Gm02	32799026	32799273	Gmdrm	hyper	CHG	0.0689
Gm02	32806972	32807080	Gmdrm	hyper	CHG	0.0455
Gm02	32875906	32876057	Gmdrm	hyper	CHG	0.074
Gm02	32894782	32895057	Gmdrm	hyper	CHG	0.236
Gm02	33077673	33078041	Gmdrm	hyper	CHG	0.0417
Gm02	33333747	33333842	Gmdrm	hyper	CHG	0.05
Gm02	33845122	33845306	Gmdrm	hyper	CHG	0.054
Gm02	34436306	34436654	Gmdrm	hyper	CHG	0.125
Gm02	35314593	35314849	Gmdrm	hyper	CHG	0.2042
Gm02	35324802	35324917	Gmdrm	hyper	CHG	0.385
Gm02	35464582	35465222	Gmdrm	hyper	CHG	0.1459
Gm02	35607664	35608126	Gmdrm	hyper	CHG	0.2053
Gm02	35611057	35611994	Gmdrm	hyper	CHG	0.2037
Gm02	35612564	35612810	Gmdrm	hyper	CHG	0.1666
Gm02	36572569	36572813	Gmdrm	hyper	CHG	0.0363
Gm02	36841590	36842533	Gmdrm	hyper	CHG	0.1811
Gm02	37163911	37163980	Gmdrm	hyper	CHG	0.3462
Gm02	37323912	37324242	Gmdrm	hyper	CHG	0.1438
Gm02	37639640	37639863	Gmdrm	hyper	CHG	0.518
Gm02	37639965	37640022	Gmdrm	hyper	CHG	0.4255
Gm02	37659505	37659720	Gmdrm	hyper	CHG	0.1843
Gm02	37822451	37822610	Gmdrm	hyper	CHG	0.254
Gm02	37904317	37904540	Gmdrm	hyper	CHG	0.19
Gm02	38117590	38117740	Gmdrm	hyper	CHG	0.0638
Gm02	38261330	38261450	Gmdrm	hyper	CHG	0.0384
Gm02	38306949	38307062	Gmdrm	hyper	CHG	0.272
Gm02	38582495	38583025	Gmdrm	hyper	CHG	0.2836
Gm02	38583169	38583281	Gmdrm	hyper	CHG	0.5362
Gm02	38583399	38583890	Gmdrm	hyper	CHG	0.7337
Gm02	38726998	38727208	Gmdrm	hyper	CHG	0.05
Gm02	39256501	39256694	Gmdrm	hyper	CHG	0.035
Gm02	40199098	40199202	Gmdrm	hyper	CHG	0.1087
Gm02	40205239	40206208	Gmdrm	hyper	CHG	0.0784

Gm02	40299695	40299936	Gmdrm	hyper	CHG	0.0817
Gm02	40634142	40634338	Gmdrm	hyper	CHG	0.09
Gm02	40683234	40683494	Gmdrm	hyper	CHG	0.0338
Gm02	40720189	40720270	Gmdrm	hyper	CHG	0.07
Gm02	40742779	40742968	Gmdrm	hyper	CHG	0.0466
Gm02	40848747	40848889	Gmdrm	hyper	CHG	0.044
Gm02	41406092	41406248	Gmdrm	hyper	CHG	0.034
Gm02	41640509	41640626	Gmdrm	hyper	CHG	0.046
Gm02	41714967	41715298	Gmdrm	hyper	CHG	0.0313
Gm02	41732555	41732972	Gmdrm	hyper	CHG	0.0475
Gm02	41759859	41760101	Gmdrm	hyper	CHG	0.0463
Gm02	41850635	41850774	Gmdrm	hyper	CHG	0.0526
Gm02	42006283	42006959	Gmdrm	hyper	CHG	0.2474
Gm02	42026819	42026894	Gmdrm	hyper	CHG	0.042
Gm02	42072160	42072558	Gmdrm	hyper	CHG	0.0512
Gm02	42107547	42107862	Gmdrm	hyper	CHG	0.05
Gm02	42120245	42120542	Gmdrm	hyper	CHG	0.0378
Gm02	42144683	42144766	Gmdrm	hyper	CHG	0.036
Gm02	42286844	42286891	Gmdrm	hyper	CHG	0.07
Gm02	42553641	42553912	Gmdrm	hyper	CHG	0.0471
Gm02	42616837	42616935	Gmdrm	hyper	CHG	0.11
Gm02	42635438	42636226	Gmdrm	hyper	CHG	0.0448
Gm02	42699354	42699415	Gmdrm	hyper	CHG	0.07
Gm02	42814319	42814514	Gmdrm	hyper	CHG	0.0633
Gm02	42898280	42898374	Gmdrm	hyper	CHG	0.1325
Gm02	42910293	42910315	Gmdrm	hyper	CHG	0.116
Gm02	42910557	42910617	Gmdrm	hyper	CHG	0.0429
Gm02	42990719	42991164	Gmdrm	hyper	CHG	0.0788
Gm02	43064208	43064315	Gmdrm	hyper	CHG	0.04
Gm02	43093125	43093265	Gmdrm	hyper	CHG	0.0333
Gm02	43096859	43097078	Gmdrm	hyper	CHG	0.0451
Gm02	43448814	43448955	Gmdrm	hyper	CHG	0.0609
Gm02	43641124	43641262	Gmdrm	hyper	CHG	0.066
Gm02	43643324	43643701	Gmdrm	hyper	CHG	0.242
Gm02	43826224	43826282	Gmdrm	hyper	CHG	0.0317
Gm02	43858746	43858910	Gmdrm	hyper	CHG	0.0514
Gm02	43872102	43872885	Gmdrm	hyper	CHG	0.0334
Gm02	43893760	43893788	Gmdrm	hyper	CHG	0.036
Gm02	43901577	43901674	Gmdrm	hyper	CHG	0.0767
Gm02	44019302	44019565	Gmdrm	hyper	CHG	0.0272
Gm02	44137181	44137350	Gmdrm	hyper	CHG	0.044
Gm02	44137783	44137993	Gmdrm	hyper	CHG	0.0885
Gm02	44246326	44246449	Gmdrm	hyper	CHG	0.044
Gm02	44284058	44284121	Gmdrm	hyper	CHG	0.036
Gm02	44286357	44286644	Gmdrm	hyper	CHG	0.0489
Gm02	44321322	44321633	Gmdrm	hyper	CHG	0.04

Gm02	44575484	44575668	Gmdrm	hyper	CHG	0.0524
Gm02	44601847	44602350	Gmdrm	hyper	CHG	0.1448
Gm02	44643142	44643524	Gmdrm	hyper	CHG	0.04
Gm02	44693355	44693649	Gmdrm	hyper	CHG	0.0311
Gm02	44703982	44704055	Gmdrm	hyper	CHG	0.035
Gm02	44716035	44716226	Gmdrm	hyper	CHG	0.0467
Gm02	44743671	44743932	Gmdrm	hyper	CHG	0.04
Gm02	45092862	45092945	Gmdrm	hyper	CHG	0.0284
Gm02	45199767	45200025	Gmdrm	hyper	CHG	0.0262
Gm02	45401546	45401718	Gmdrm	hyper	CHG	0.058
Gm02	45496629	45496793	Gmdrm	hyper	CHG	0.05
Gm02	45665899	45666199	Gmdrm	hyper	CHG	0.04
Gm02	45718887	45719093	Gmdrm	hyper	CHG	0.05
Gm02	45980790	45981266	Gmdrm	hyper	CHG	0.1788
Gm02	46016291	46016474	Gmdrm	hyper	CHG	0.042
Gm02	46132846	46133007	Gmdrm	hyper	CHG	0.0667
Gm02	46324036	46324112	Gmdrm	hyper	CHG	0.3457
Gm02	46481593	46481765	Gmdrm	hyper	CHG	0.046
Gm02	46524608	46524773	Gmdrm	hyper	CHG	0.0357
Gm02	46645685	46645909	Gmdrm	hyper	CHG	0.0514
Gm02	46796266	46796317	Gmdrm	hyper	CHG	0.0667
Gm02	46976947	46977012	Gmdrm	hyper	CHG	0.0633
Gm02	46982500	46982567	Gmdrm	hyper	CHG	0.04
Gm02	46987789	46988124	Gmdrm	hyper	CHG	0.0311
Gm02	46995958	46996009	Gmdrm	hyper	CHG	0.064
Gm02	47053089	47053184	Gmdrm	hyper	CHG	0.064
Gm02	47107287	47107406	Gmdrm	hyper	CHG	0.056
Gm02	47323118	47323259	Gmdrm	hyper	CHG	0.056
Gm02	47407031	47407284	Gmdrm	hyper	CHG	0.0591
Gm02	47455944	47456268	Gmdrm	hyper	CHG	0.1012
Gm02	47502922	47503070	Gmdrm	hyper	CHG	0.055
Gm02	47543353	47543646	Gmdrm	hyper	CHG	0.0609
Gm02	47698977	47699366	Gmdrm	hyper	CHG	0.0633
Gm02	47736638	47736941	Gmdrm	hyper	CHG	0.0272
Gm02	47979541	47979771	Gmdrm	hyper	CHG	0.0883
Gm02	48234908	48235155	Gmdrm	hyper	CHG	0.0371
Gm02	48251648	48251833	Gmdrm	hyper	CHG	0.026
Gm02	48294743	48294932	Gmdrm	hyper	CHG	0.0433
Gm02	48467012	48467198	Gmdrm	hyper	CHG	0.3507
Gm02	48475084	48475290	Gmdrm	hyper	CHG	0.04
Gm02	48535573	48535697	Gmdrm	hyper	CHG	0.0372
Gm02	48552377	48552605	Gmdrm	hyper	CHG	0.0457
Gm02	48620390	48620463	Gmdrm	hyper	CHG	0.0433
Gm02	48761082	48761371	Gmdrm	hyper	CHG	0.0455
Gm02	48838814	48838918	Gmdrm	hyper	CHG	0.06
Gm02	48877548	48877685	Gmdrm	hyper	CHG	0.0258

Gm02	48907373	48907688	Gmdrm	hyper	CHG	0.02
Gm02	49130673	49130786	Gmdrm	hyper	CHG	0.0467
Gm02	49318334	49318487	Gmdrm	hyper	CHG	0.0417
Gm02	49419882	49420023	Gmdrm	hyper	CHG	0.048
Gm02	49629971	49630050	Gmdrm	hyper	CHG	0.04
Gm02	49647588	49647776	Gmdrm	hyper	CHG	0.055
Gm02	49696006	49696657	Gmdrm	hyper	CHG	0.0361
Gm02	50281632	50281887	Gmdrm	hyper	CHG	0.0267
Gm02	50357895	50358315	Gmdrm	hyper	CHG	0.6423
Gm02	50358527	50358923	Gmdrm	hyper	CHG	0.1875
Gm03	35263	35812	Gmdrm	hyper	CHG	0.0368
Gm03	88016	88199	Gmdrm	hyper	CHG	0.0457
Gm03	100103	100234	Gmdrm	hyper	CHG	0.022
Gm03	300532	300807	Gmdrm	hyper	CHG	0.032
Gm03	326151	326479	Gmdrm	hyper	CHG	0.037
Gm03	771653	771745	Gmdrm	hyper	CHG	0.026
Gm03	843051	843134	Gmdrm	hyper	CHG	0.048
Gm03	906301	906519	Gmdrm	hyper	CHG	0.0545
Gm03	996702	996864	Gmdrm	hyper	CHG	0.03
Gm03	1071916	1072180	Gmdrm	hyper	CHG	0.0325
Gm03	1125201	1125447	Gmdrm	hyper	CHG	0.3884
Gm03	1349717	1349819	Gmdrm	hyper	CHG	0.0517
Gm03	1410023	1410190	Gmdrm	hyper	CHG	0.0413
Gm03	1455551	1455804	Gmdrm	hyper	CHG	0.0444
Gm03	1468302	1468718	Gmdrm	hyper	CHG	0.0279
Gm03	1468886	1469073	Gmdrm	hyper	CHG	0.04
Gm03	1531506	1531845	Gmdrm	hyper	CHG	0.0322
Gm03	1541178	1541492	Gmdrm	hyper	CHG	0.0525
Gm03	1832960	1833064	Gmdrm	hyper	CHG	0.04
Gm03	1863333	1863444	Gmdrm	hyper	CHG	0.056
Gm03	1893581	1893728	Gmdrm	hyper	CHG	0.074
Gm03	1961047	1961233	Gmdrm	hyper	CHG	0.036
Gm03	2234082	2234347	Gmdrm	hyper	CHG	0.4088
Gm03	2388821	2389132	Gmdrm	hyper	CHG	0.0472
Gm03	2465088	2465113	Gmdrm	hyper	CHG	0.048
Gm03	2540472	2540666	Gmdrm	hyper	CHG	0.0786
Gm03	2831435	2831539	Gmdrm	hyper	CHG	0.1525
Gm03	2871154	2871404	Gmdrm	hyper	CHG	0.0429
Gm03	2904071	2904270	Gmdrm	hyper	CHG	0.034
Gm03	2923116	2923272	Gmdrm	hyper	CHG	0.056
Gm03	2923843	2924123	Gmdrm	hyper	CHG	0.027
Gm03	2981297	2981383	Gmdrm	hyper	CHG	0.05
Gm03	3246987	3247281	Gmdrm	hyper	CHG	0.1592
Gm03	3323506	3323666	Gmdrm	hyper	CHG	0.173
Gm03	3341712	3342598	Gmdrm	hyper	CHG	0.1986
Gm03	3409907	3410130	Gmdrm	hyper	CHG	0.106

Gm03	3775908	3776026	Gmdrm	hyper	CHG	0.052
Gm03	4055603	4056513	Gmdrm	hyper	CHG	0.1415
Gm03	4256074	4257073	Gmdrm	hyper	CHG	0.1172
Gm03	4312481	4312804	Gmdrm	hyper	CHG	0.0475
Gm03	4323300	4324132	Gmdrm	hyper	CHG	0.2274
Gm03	4381104	4381932	Gmdrm	hyper	CHG	0.312
Gm03	4577638	4577832	Gmdrm	hyper	CHG	0.0267
Gm03	4864682	4865674	Gmdrm	hyper	CHG	0.0692
Gm03	4867418	4867720	Gmdrm	hyper	CHG	0.2191
Gm03	5187268	5187347	Gmdrm	hyper	CHG	0.0333
Gm03	5252944	5252974	Gmdrm	hyper	CHG	0.1417
Gm03	5350303	5350327	Gmdrm	hyper	CHG	0.024
Gm03	5351072	5351219	Gmdrm	hyper	CHG	0.042
Gm03	5376860	5377031	Gmdrm	hyper	CHG	0.0992
Gm03	5740026	5740419	Gmdrm	hyper	CHG	0.1924
Gm03	6212386	6212838	Gmdrm	hyper	CHG	0.2347
Gm03	6227041	6227219	Gmdrm	hyper	CHG	0.0467
Gm03	6248322	6248480	Gmdrm	hyper	CHG	0.13
Gm03	7106755	7107323	Gmdrm	hyper	CHG	0.1427
Gm03	7109915	7110841	Gmdrm	hyper	CHG	0.1634
Gm03	7111265	7111565	Gmdrm	hyper	CHG	0.1827
Gm03	7112627	7113099	Gmdrm	hyper	CHG	0.1191
Gm03	7172277	7172326	Gmdrm	hyper	CHG	0.5445
Gm03	7451494	7451532	Gmdrm	hyper	CHG	0.68
Gm03	7482956	7483173	Gmdrm	hyper	CHG	0.0738
Gm03	8241755	8241949	Gmdrm	hyper	CHG	0.5841
Gm03	8356496	8356720	Gmdrm	hyper	CHG	0.0513
Gm03	8356823	8357386	Gmdrm	hyper	CHG	0.2379
Gm03	8574182	8574276	Gmdrm	hyper	CHG	0.186
Gm03	8574385	8574715	Gmdrm	hyper	CHG	0.2943
Gm03	8618043	8618094	Gmdrm	hyper	CHG	0.18
Gm03	8618256	8618401	Gmdrm	hyper	CHG	0.688
Gm03	8657610	8657815	Gmdrm	hyper	CHG	0.035
Gm03	8801646	8801853	Gmdrm	hyper	CHG	0.03
Gm03	8844140	8844567	Gmdrm	hyper	CHG	0.03
Gm03	9134705	9135235	Gmdrm	hyper	CHG	0.3409
Gm03	9460527	9460629	Gmdrm	hyper	CHG	0.2367
Gm03	9738343	9738447	Gmdrm	hyper	CHG	0.2316
Gm03	10011220	10011330	Gmdrm	hyper	CHG	0.1517
Gm03	11645298	11645310	Gmdrm	hyper	CHG	0.1617
Gm03	11727408	11727573	Gmdrm	hyper	CHG	0.2158
Gm03	11972312	11973302	Gmdrm	hyper	CHG	0.13
Gm03	12584227	12584401	Gmdrm	hyper	CHG	0.3375
Gm03	12669988	12670108	Gmdrm	hyper	CHG	0.458
Gm03	12676189	12676546	Gmdrm	hyper	CHG	0.2764
Gm03	12683171	12683590	Gmdrm	hyper	CHG	0.2323

Gm03	12684621	12685577	Gmdrm	hyper	CHG	0.2553
Gm03	12685658	12686104	Gmdrm	hyper	CHG	0.3065
Gm03	12686278	12686655	Gmdrm	hyper	CHG	0.3291
Gm03	12686904	12687239	Gmdrm	hyper	CHG	0.1781
Gm03	12687466	12688204	Gmdrm	hyper	CHG	0.2182
Gm03	12690196	12690930	Gmdrm	hyper	CHG	0.2917
Gm03	12691267	12691491	Gmdrm	hyper	CHG	0.366
Gm03	12691775	12691831	Gmdrm	hyper	CHG	0.3924
Gm03	12692710	12692952	Gmdrm	hyper	CHG	0.4183
Gm03	12700047	12700215	Gmdrm	hyper	CHG	0.4078
Gm03	12700463	12700624	Gmdrm	hyper	CHG	0.3743
Gm03	12702467	12703455	Gmdrm	hyper	CHG	0.4076
Gm03	12712839	12713509	Gmdrm	hyper	CHG	0.1784
Gm03	12715703	12715975	Gmdrm	hyper	CHG	0.33
Gm03	12716360	12717347	Gmdrm	hyper	CHG	0.1859
Gm03	12717977	12718949	Gmdrm	hyper	CHG	0.1725
Gm03	12718978	12719967	Gmdrm	hyper	CHG	0.2798
Gm03	12722067	12723055	Gmdrm	hyper	CHG	0.2774
Gm03	12723092	12723908	Gmdrm	hyper	CHG	0.4914
Gm03	12724045	12724556	Gmdrm	hyper	CHG	0.3454
Gm03	12724952	12725715	Gmdrm	hyper	CHG	0.5197
Gm03	12726739	12727195	Gmdrm	hyper	CHG	0.3135
Gm03	12727303	12727682	Gmdrm	hyper	CHG	0.2661
Gm03	12729648	12730648	Gmdrm	hyper	CHG	0.3474
Gm03	12730650	12731362	Gmdrm	hyper	CHG	0.3124
Gm03	12731469	12731761	Gmdrm	hyper	CHG	0.273
Gm03	12732034	12733026	Gmdrm	hyper	CHG	0.2824
Gm03	12735814	12736011	Gmdrm	hyper	CHG	0.3236
Gm03	12739826	12740116	Gmdrm	hyper	CHG	0.4541
Gm03	12747923	12748300	Gmdrm	hyper	CHG	0.2193
Gm03	12749622	12750380	Gmdrm	hyper	CHG	0.3057
Gm03	12750636	12750823	Gmdrm	hyper	CHG	0.3954
Gm03	12750926	12751521	Gmdrm	hyper	CHG	0.2076
Gm03	12753762	12753977	Gmdrm	hyper	CHG	0.325
Gm03	12755609	12755856	Gmdrm	hyper	CHG	0.3333
Gm03	12756410	12756616	Gmdrm	hyper	CHG	0.3757
Gm03	12759209	12759940	Gmdrm	hyper	CHG	0.3291
Gm03	12760628	12760952	Gmdrm	hyper	CHG	0.2918
Gm03	12762609	12763083	Gmdrm	hyper	CHG	0.3536
Gm03	12763203	12763337	Gmdrm	hyper	CHG	0.575
Gm03	12763702	12763816	Gmdrm	hyper	CHG	0.456
Gm03	12764682	12764877	Gmdrm	hyper	CHG	0.4256
Gm03	12765157	12765329	Gmdrm	hyper	CHG	0.5191
Gm03	12765781	12766044	Gmdrm	hyper	CHG	0.4087
Gm03	12767821	12768083	Gmdrm	hyper	CHG	0.478
Gm03	12768485	12768830	Gmdrm	hyper	CHG	0.417

Gm03	12770181	12770763	Gmdrm	hyper	CHG	0.3324
Gm03	12770967	12771165	Gmdrm	hyper	CHG	0.5211
Gm03	12771845	12772691	Gmdrm	hyper	CHG	0.2478
Gm03	12772884	12773175	Gmdrm	hyper	CHG	0.409
Gm03	12773358	12774280	Gmdrm	hyper	CHG	0.3998
Gm03	12774439	12774537	Gmdrm	hyper	CHG	0.4787
Gm03	12774672	12774947	Gmdrm	hyper	CHG	0.375
Gm03	12775982	12776631	Gmdrm	hyper	CHG	0.31
Gm03	12779973	12780122	Gmdrm	hyper	CHG	0.2758
Gm03	12780227	12780294	Gmdrm	hyper	CHG	0.455
Gm03	12781175	12781587	Gmdrm	hyper	CHG	0.2873
Gm03	12781714	12782640	Gmdrm	hyper	CHG	0.2897
Gm03	12782717	12783677	Gmdrm	hyper	CHG	0.3548
Gm03	12785355	12785485	Gmdrm	hyper	CHG	0.408
Gm03	12785622	12785801	Gmdrm	hyper	CHG	0.396
Gm03	12786885	12787343	Gmdrm	hyper	CHG	0.3656
Gm03	12788306	12788783	Gmdrm	hyper	CHG	0.2886
Gm03	12788932	12789405	Gmdrm	hyper	CHG	0.2777
Gm03	12789944	12790087	Gmdrm	hyper	CHG	0.4337
Gm03	12790293	12790580	Gmdrm	hyper	CHG	0.4169
Gm03	12790692	12791645	Gmdrm	hyper	CHG	0.5217
Gm03	12791752	12791810	Gmdrm	hyper	CHG	0.42
Gm03	12791912	12792011	Gmdrm	hyper	CHG	0.5543
Gm03	12792312	12792455	Gmdrm	hyper	CHG	0.4333
Gm03	12796216	12796646	Gmdrm	hyper	CHG	0.4694
Gm03	12796877	12797379	Gmdrm	hyper	CHG	0.2743
Gm03	12797872	12798289	Gmdrm	hyper	CHG	0.3742
Gm03	12798532	12799475	Gmdrm	hyper	CHG	0.2807
Gm03	12799552	12799809	Gmdrm	hyper	CHG	0.268
Gm03	12800472	12800761	Gmdrm	hyper	CHG	0.3132
Gm03	12803193	12803334	Gmdrm	hyper	CHG	0.2654
Gm03	12803548	12803956	Gmdrm	hyper	CHG	0.2819
Gm03	12806323	12806678	Gmdrm	hyper	CHG	0.3263
Gm03	12808965	12809070	Gmdrm	hyper	CHG	0.48
Gm03	12810496	12811032	Gmdrm	hyper	CHG	0.1721
Gm03	12817430	12817993	Gmdrm	hyper	CHG	0.3675
Gm03	12818984	12819216	Gmdrm	hyper	CHG	0.2309
Gm03	12822987	12823247	Gmdrm	hyper	CHG	0.3289
Gm03	12824073	12825031	Gmdrm	hyper	CHG	0.221
Gm03	12825476	12825672	Gmdrm	hyper	CHG	0.2646
Gm03	12825807	12826027	Gmdrm	hyper	CHG	0.2
Gm03	12826203	12826520	Gmdrm	hyper	CHG	0.3054
Gm03	12826956	12827870	Gmdrm	hyper	CHG	0.1725
Gm03	12827961	12828568	Gmdrm	hyper	CHG	0.2415
Gm03	12830337	12831263	Gmdrm	hyper	CHG	0.2225
Gm03	12832284	12832691	Gmdrm	hyper	CHG	0.2422

Gm03	12832797	12833296	Gmdrm	hyper	CHG	0.2084
Gm03	12837522	12837693	Gmdrm	hyper	CHG	0.082
Gm03	12838108	12838645	Gmdrm	hyper	CHG	0.2611
Gm03	12838957	12839532	Gmdrm	hyper	CHG	0.308
Gm03	12839739	12839816	Gmdrm	hyper	CHG	0.3128
Gm03	12984798	12985176	Gmdrm	hyper	CHG	0.0725
Gm03	13079350	13079559	Gmdrm	hyper	CHG	0.1909
Gm03	14017525	14018248	Gmdrm	hyper	CHG	0.1842
Gm03	14232587	14232913	Gmdrm	hyper	CHG	0.0425
Gm03	14808500	14808661	Gmdrm	hyper	CHG	0.0283
Gm03	15481723	15481782	Gmdrm	hyper	CHG	0.1617
Gm03	15995043	15995415	Gmdrm	hyper	CHG	0.06
Gm03	16532925	16533047	Gmdrm	hyper	CHG	0.036
Gm03	16794516	16794962	Gmdrm	hyper	CHG	0.1232
Gm03	17841651	17841682	Gmdrm	hyper	CHG	0.108
Gm03	18039995	18040191	Gmdrm	hyper	CHG	0.084
Gm03	18693408	18693530	Gmdrm	hyper	CHG	0.28
Gm03	19697053	19697290	Gmdrm	hyper	CHG	0.4546
Gm03	19697402	19697533	Gmdrm	hyper	CHG	0.33
Gm03	19805387	19805550	Gmdrm	hyper	CHG	0.04
Gm03	20043818	20044357	Gmdrm	hyper	CHG	0.0373
Gm03	20509717	20509793	Gmdrm	hyper	CHG	0.0929
Gm03	20509917	20510032	Gmdrm	hyper	CHG	0.242
Gm03	22116945	22117085	Gmdrm	hyper	CHG	0.3143
Gm03	22489623	22489902	Gmdrm	hyper	CHG	0.35
Gm03	22799251	22799419	Gmdrm	hyper	CHG	0.288
Gm03	23068368	23069338	Gmdrm	hyper	CHG	0.1012
Gm03	23457556	23457918	Gmdrm	hyper	CHG	0.1342
Gm03	23969071	23969153	Gmdrm	hyper	CHG	0.1889
Gm03	24062240	24062491	Gmdrm	hyper	CHG	0.2533
Gm03	24270156	24270242	Gmdrm	hyper	CHG	0.3466
Gm03	24275918	24276199	Gmdrm	hyper	CHG	0.3991
Gm03	24280935	24281359	Gmdrm	hyper	CHG	0.021
Gm03	24325922	24326067	Gmdrm	hyper	CHG	0.1491
Gm03	24574217	24574526	Gmdrm	hyper	CHG	0.5086
Gm03	24576897	24577055	Gmdrm	hyper	CHG	0.073
Gm03	24577236	24577511	Gmdrm	hyper	CHG	0.5527
Gm03	24577637	24577693	Gmdrm	hyper	CHG	0.6863
Gm03	24577823	24578580	Gmdrm	hyper	CHG	0.4937
Gm03	24592421	24593367	Gmdrm	hyper	CHG	0.3497
Gm03	25382583	25382635	Gmdrm	hyper	CHG	0.206
Gm03	25973769	25974764	Gmdrm	hyper	CHG	0.1351
Gm03	26329393	26329650	Gmdrm	hyper	CHG	0.2257
Gm03	26457882	26458030	Gmdrm	hyper	CHG	0.4556
Gm03	26507619	26507828	Gmdrm	hyper	CHG	0.038
Gm03	26574135	26574359	Gmdrm	hyper	CHG	0.27

Gm03	26604316	26604475	Gmdrm	hyper	CHG	0.25
Gm03	26675366	26675796	Gmdrm	hyper	CHG	0.0987
Gm03	27234755	27235003	Gmdrm	hyper	CHG	0.0922
Gm03	27457755	27457843	Gmdrm	hyper	CHG	0.048
Gm03	27863355	27863640	Gmdrm	hyper	CHG	0.248
Gm03	27910044	27910241	Gmdrm	hyper	CHG	0.145
Gm03	27988838	27989099	Gmdrm	hyper	CHG	0.0753
Gm03	28011962	28012121	Gmdrm	hyper	CHG	0.146
Gm03	28228891	28229117	Gmdrm	hyper	CHG	0.034
Gm03	28238356	28238518	Gmdrm	hyper	CHG	0.0714
Gm03	28243360	28243420	Gmdrm	hyper	CHG	0.036
Gm03	28394750	28395108	Gmdrm	hyper	CHG	0.0313
Gm03	28710403	28710461	Gmdrm	hyper	CHG	0.4429
Gm03	28930443	28930670	Gmdrm	hyper	CHG	0.1751
Gm03	28999218	28999343	Gmdrm	hyper	CHG	0.201
Gm03	29069802	29070114	Gmdrm	hyper	CHG	0.054
Gm03	29286889	29287021	Gmdrm	hyper	CHG	0.288
Gm03	29578161	29578351	Gmdrm	hyper	CHG	0.045
Gm03	29678990	29679220	Gmdrm	hyper	CHG	0.0567
Gm03	29686741	29687271	Gmdrm	hyper	CHG	0.111
Gm03	29749234	29749365	Gmdrm	hyper	CHG	0.0446
Gm03	29761005	29761112	Gmdrm	hyper	CHG	0.06
Gm03	29775962	29776085	Gmdrm	hyper	CHG	0.0825
Gm03	29831149	29831452	Gmdrm	hyper	CHG	0.2283
Gm03	29894670	29894964	Gmdrm	hyper	CHG	0.73
Gm03	29966859	29967179	Gmdrm	hyper	CHG	0.054
Gm03	30111465	30111881	Gmdrm	hyper	CHG	0.5273
Gm03	30112182	30112320	Gmdrm	hyper	CHG	0.4643
Gm03	30112905	30113049	Gmdrm	hyper	CHG	0.584
Gm03	30113247	30113390	Gmdrm	hyper	CHG	0.648
Gm03	30113849	30113878	Gmdrm	hyper	CHG	0.7333
Gm03	30114128	30114471	Gmdrm	hyper	CHG	0.5579
Gm03	30114672	30115047	Gmdrm	hyper	CHG	0.6138
Gm03	30115421	30115597	Gmdrm	hyper	CHG	0.7262
Gm03	30115704	30115877	Gmdrm	hyper	CHG	0.7922
Gm03	30115990	30116553	Gmdrm	hyper	CHG	0.7735
Gm03	30116830	30117196	Gmdrm	hyper	CHG	0.5837
Gm03	30159317	30159705	Gmdrm	hyper	CHG	0.9321
Gm03	30159832	30159976	Gmdrm	hyper	CHG	0.9763
Gm03	30160091	30160422	Gmdrm	hyper	CHG	0.9388
Gm03	30190636	30190895	Gmdrm	hyper	CHG	0.0442
Gm03	30204422	30204764	Gmdrm	hyper	CHG	0.0884
Gm03	30303508	30303699	Gmdrm	hyper	CHG	0.17
Gm03	30540145	30540242	Gmdrm	hyper	CHG	0.065
Gm03	30540598	30540845	Gmdrm	hyper	CHG	0.1778
Gm03	30576791	30577396	Gmdrm	hyper	CHG	0.6524

Gm03	30577520	30577555	Gmdrm	hyper	CHG	0.775
Gm03	30577697	30577908	Gmdrm	hyper	CHG	0.6527
Gm03	30578084	30578245	Gmdrm	hyper	CHG	0.534
Gm03	30578566	30579414	Gmdrm	hyper	CHG	0.6726
Gm03	30579521	30579638	Gmdrm	hyper	CHG	0.677
Gm03	30579828	30580030	Gmdrm	hyper	CHG	0.708
Gm03	30580156	30580666	Gmdrm	hyper	CHG	0.6862
Gm03	30580808	30581456	Gmdrm	hyper	CHG	0.698
Gm03	30581571	30582153	Gmdrm	hyper	CHG	0.4662
Gm03	30618491	30618778	Gmdrm	hyper	CHG	0.0355
Gm03	30682103	30682457	Gmdrm	hyper	CHG	0.1646
Gm03	30846016	30846174	Gmdrm	hyper	CHG	0.1756
Gm03	30846822	30847120	Gmdrm	hyper	CHG	0.3507
Gm03	30850738	30851209	Gmdrm	hyper	CHG	0.2981
Gm03	30851701	30851906	Gmdrm	hyper	CHG	0.4271
Gm03	30852217	30852567	Gmdrm	hyper	CHG	0.2204
Gm03	30861523	30861893	Gmdrm	hyper	CHG	0.1945
Gm03	31087286	31087711	Gmdrm	hyper	CHG	0.4614
Gm03	31158561	31158890	Gmdrm	hyper	CHG	0.047
Gm03	31174797	31174977	Gmdrm	hyper	CHG	0.7444
Gm03	31175141	31175216	Gmdrm	hyper	CHG	0.79
Gm03	31438751	31439327	Gmdrm	hyper	CHG	0.1445
Gm03	31445798	31446080	Gmdrm	hyper	CHG	0.5715
Gm03	31464512	31464678	Gmdrm	hyper	CHG	0.0309
Gm03	31673481	31673690	Gmdrm	hyper	CHG	0.4315
Gm03	31673794	31673937	Gmdrm	hyper	CHG	0.5867
Gm03	31674067	31674312	Gmdrm	hyper	CHG	0.875
Gm03	31674428	31675419	Gmdrm	hyper	CHG	0.8711
Gm03	31675485	31675691	Gmdrm	hyper	CHG	0.876
Gm03	31675871	31675956	Gmdrm	hyper	CHG	0.8075
Gm03	31676227	31676829	Gmdrm	hyper	CHG	0.0343
Gm03	31693698	31694020	Gmdrm	hyper	CHG	0.03
Gm03	31719147	31719177	Gmdrm	hyper	CHG	0.0783
Gm03	31739035	31739475	Gmdrm	hyper	CHG	0.7216
Gm03	31739623	31739698	Gmdrm	hyper	CHG	0.905
Gm03	31919030	31919069	Gmdrm	hyper	CHG	0.17
Gm03	32062326	32062554	Gmdrm	hyper	CHG	0.062
Gm03	32122286	32122378	Gmdrm	hyper	CHG	0.202
Gm03	32252478	32252511	Gmdrm	hyper	CHG	0.314
Gm03	32348646	32348736	Gmdrm	hyper	CHG	0.32
Gm03	32574563	32574828	Gmdrm	hyper	CHG	0.0366
Gm03	32635383	32635686	Gmdrm	hyper	CHG	0.044
Gm03	32786098	32786223	Gmdrm	hyper	CHG	0.0771
Gm03	32922629	32923265	Gmdrm	hyper	CHG	0.2977
Gm03	32923586	32923758	Gmdrm	hyper	CHG	0.5383
Gm03	32951323	32951512	Gmdrm	hyper	CHG	0.058

Gm03	32980305	32981081	Gmdrm	hyper	CHG	0.7324
Gm03	32982380	32982672	Gmdrm	hyper	CHG	0.1521
Gm03	33105373	33105547	Gmdrm	hyper	CHG	0.27
Gm03	33106724	33106838	Gmdrm	hyper	CHG	0.19
Gm03	33273111	33273219	Gmdrm	hyper	CHG	0.042
Gm03	33568242	33568562	Gmdrm	hyper	CHG	0.03
Gm03	33677394	33677919	Gmdrm	hyper	CHG	0.211
Gm03	33678485	33678716	Gmdrm	hyper	CHG	0.0989
Gm03	33680076	33680187	Gmdrm	hyper	CHG	0.2962
Gm03	33680313	33680604	Gmdrm	hyper	CHG	0.2564
Gm03	33681273	33681927	Gmdrm	hyper	CHG	0.0741
Gm03	33682047	33682477	Gmdrm	hyper	CHG	0.1459
Gm03	33683866	33684065	Gmdrm	hyper	CHG	0.9208
Gm03	33684335	33684778	Gmdrm	hyper	CHG	0.8517
Gm03	33700252	33700622	Gmdrm	hyper	CHG	0.3241
Gm03	33700835	33701145	Gmdrm	hyper	CHG	0.6364
Gm03	33701250	33701289	Gmdrm	hyper	CHG	0.6933
Gm03	33707370	33707472	Gmdrm	hyper	CHG	0.5267
Gm03	33710504	33710726	Gmdrm	hyper	CHG	0.511
Gm03	33711127	33711273	Gmdrm	hyper	CHG	0.2027
Gm03	33712663	33712757	Gmdrm	hyper	CHG	0.424
Gm03	33806250	33806346	Gmdrm	hyper	CHG	0.0333
Gm03	33839621	33839947	Gmdrm	hyper	CHG	0.3909
Gm03	33841303	33841524	Gmdrm	hyper	CHG	0.0238
Gm03	33899711	33899763	Gmdrm	hyper	CHG	0.8517
Gm03	33899987	33900552	Gmdrm	hyper	CHG	0.7767
Gm03	34003017	34003106	Gmdrm	hyper	CHG	0.03
Gm03	34070057	34070365	Gmdrm	hyper	CHG	0.3292
Gm03	34072552	34072791	Gmdrm	hyper	CHG	0.7261
Gm03	34072948	34073047	Gmdrm	hyper	CHG	0.6315
Gm03	34306648	34307259	Gmdrm	hyper	CHG	0.0821
Gm03	34321785	34322114	Gmdrm	hyper	CHG	0.8478
Gm03	34519250	34519376	Gmdrm	hyper	CHG	0.125
Gm03	34543283	34543375	Gmdrm	hyper	CHG	0.042
Gm03	34582888	34583156	Gmdrm	hyper	CHG	0.5089
Gm03	34583615	34583734	Gmdrm	hyper	CHG	0.448
Gm03	34584304	34584471	Gmdrm	hyper	CHG	0.4744
Gm03	34584595	34584773	Gmdrm	hyper	CHG	0.7006
Gm03	34585402	34585987	Gmdrm	hyper	CHG	0.781
Gm03	34771764	34772015	Gmdrm	hyper	CHG	0.04
Gm03	34831756	34831830	Gmdrm	hyper	CHG	0.046
Gm03	34844880	34845198	Gmdrm	hyper	CHG	0.0482
Gm03	34880487	34881062	Gmdrm	hyper	CHG	0.386
Gm03	34881236	34881543	Gmdrm	hyper	CHG	0.0839
Gm03	34993992	34994264	Gmdrm	hyper	CHG	0.114
Gm03	35115452	35115592	Gmdrm	hyper	CHG	0.048

Gm03	35241305	35241575	Gmdrm	hyper	CHG	0.04
Gm03	35246590	35246721	Gmdrm	hyper	CHG	0.09
Gm03	35259557	35259595	Gmdrm	hyper	CHG	0.03
Gm03	35440414	35440552	Gmdrm	hyper	CHG	0.07
Gm03	35586145	35586456	Gmdrm	hyper	CHG	0.0643
Gm03	35611338	35611536	Gmdrm	hyper	CHG	0.0871
Gm03	36105178	36105463	Gmdrm	hyper	CHG	0.0418
Gm03	36263042	36263158	Gmdrm	hyper	CHG	0.0367
Gm03	36337862	36338735	Gmdrm	hyper	CHG	0.2433
Gm03	36347160	36347293	Gmdrm	hyper	CHG	0.211
Gm03	36401583	36401737	Gmdrm	hyper	CHG	0.0285
Gm03	36666418	36666606	Gmdrm	hyper	CHG	0.1314
Gm03	36695731	36695900	Gmdrm	hyper	CHG	0.029
Gm03	36922703	36923119	Gmdrm	hyper	CHG	0.0411
Gm03	36930991	36931102	Gmdrm	hyper	CHG	0.052
Gm03	36945388	36945981	Gmdrm	hyper	CHG	0.0579
Gm03	36983161	36983384	Gmdrm	hyper	CHG	0.0617
Gm03	37062927	37063070	Gmdrm	hyper	CHG	0.054
Gm03	37185436	37185629	Gmdrm	hyper	CHG	0.0367
Gm03	37233001	37233350	Gmdrm	hyper	CHG	0.0414
Gm03	37271804	37271859	Gmdrm	hyper	CHG	0.928
Gm03	37271962	37272131	Gmdrm	hyper	CHG	0.1184
Gm03	37302380	37302452	Gmdrm	hyper	CHG	0.034
Gm03	37643248	37643614	Gmdrm	hyper	CHG	0.0511
Gm03	37654354	37654604	Gmdrm	hyper	CHG	0.0317
Gm03	37670027	37670187	Gmdrm	hyper	CHG	0.046
Gm03	37702328	37702438	Gmdrm	hyper	CHG	0.0366
Gm03	37711207	37711481	Gmdrm	hyper	CHG	0.3014
Gm03	37792103	37792528	Gmdrm	hyper	CHG	0.0618
Gm03	37925820	37926413	Gmdrm	hyper	CHG	0.0454
Gm03	37977435	37977669	Gmdrm	hyper	CHG	0.2236
Gm03	38003436	38003636	Gmdrm	hyper	CHG	0.09
Gm03	38154268	38154364	Gmdrm	hyper	CHG	0.0428
Gm03	38251999	38252203	Gmdrm	hyper	CHG	0.0357
Gm03	38261929	38261992	Gmdrm	hyper	CHG	0.048
Gm03	38668218	38668386	Gmdrm	hyper	CHG	0.038
Gm03	38802171	38802212	Gmdrm	hyper	CHG	0.07
Gm03	38804949	38805227	Gmdrm	hyper	CHG	0.0917
Gm03	38882362	38882821	Gmdrm	hyper	CHG	0.0275
Gm03	39113455	39113554	Gmdrm	hyper	CHG	0.038
Gm03	39121601	39122100	Gmdrm	hyper	CHG	0.0517
Gm03	39139449	39139815	Gmdrm	hyper	CHG	0.062
Gm03	39180571	39180756	Gmdrm	hyper	CHG	0.08
Gm03	39235517	39235560	Gmdrm	hyper	CHG	0.048
Gm03	39263027	39263463	Gmdrm	hyper	CHG	0.0273
Gm03	39296919	39297089	Gmdrm	hyper	CHG	0.035

Gm03	39377318	39377638	Gmdrm	hyper	CHG	0.0457
Gm03	39382017	39382225	Gmdrm	hyper	CHG	0.0871
Gm03	39407548	39408030	Gmdrm	hyper	CHG	0.0294
Gm03	39438652	39438690	Gmdrm	hyper	CHG	0.2877
Gm03	39510463	39510614	Gmdrm	hyper	CHG	0.06
Gm03	39661039	39661203	Gmdrm	hyper	CHG	0.158
Gm03	39740799	39740900	Gmdrm	hyper	CHG	0.07
Gm03	40044135	40044720	Gmdrm	hyper	CHG	0.0267
Gm03	40089569	40089829	Gmdrm	hyper	CHG	0.0471
Gm03	40221445	40221653	Gmdrm	hyper	CHG	0.0463
Gm03	40240530	40240578	Gmdrm	hyper	CHG	0.05
Gm03	40287655	40287764	Gmdrm	hyper	CHG	0.04
Gm03	40430455	40430564	Gmdrm	hyper	CHG	0.036
Gm03	40455364	40455518	Gmdrm	hyper	CHG	0.0533
Gm03	40510451	40510715	Gmdrm	hyper	CHG	0.0714
Gm03	40587764	40587923	Gmdrm	hyper	CHG	0.0757
Gm03	40645288	40645427	Gmdrm	hyper	CHG	0.0513
Gm03	40704662	40704825	Gmdrm	hyper	CHG	0.1
Gm03	40756868	40757024	Gmdrm	hyper	CHG	0.05
Gm03	40839334	40839456	Gmdrm	hyper	CHG	0.0343
Gm03	40901197	40901366	Gmdrm	hyper	CHG	0.096
Gm03	40942963	40943188	Gmdrm	hyper	CHG	0.0263
Gm03	41009959	41010281	Gmdrm	hyper	CHG	0.0636
Gm03	41044738	41044966	Gmdrm	hyper	CHG	0.0425
Gm03	41091709	41091889	Gmdrm	hyper	CHG	0.45
Gm03	41120334	41120404	Gmdrm	hyper	CHG	0.025
Gm03	41128769	41128972	Gmdrm	hyper	CHG	0.1084
Gm03	41235636	41235727	Gmdrm	hyper	CHG	0.0314
Gm03	41248274	41248527	Gmdrm	hyper	CHG	0.0986
Gm03	41432621	41432853	Gmdrm	hyper	CHG	0.04
Gm03	41493349	41493597	Gmdrm	hyper	CHG	0.052
Gm03	41609827	41609999	Gmdrm	hyper	CHG	0.038
Gm03	41619228	41619408	Gmdrm	hyper	CHG	0.0357
Gm03	41668919	41669267	Gmdrm	hyper	CHG	0.0388
Gm03	41697049	41697403	Gmdrm	hyper	CHG	0.265
Gm03	41801447	41801560	Gmdrm	hyper	CHG	0.08
Gm03	41810971	41811128	Gmdrm	hyper	CHG	0.048
Gm03	41904618	41905071	Gmdrm	hyper	CHG	0.0369
Gm03	41954685	41954949	Gmdrm	hyper	CHG	0.0567
Gm03	42052677	42052860	Gmdrm	hyper	CHG	0.0675
Gm03	42220806	42220948	Gmdrm	hyper	CHG	0.0463
Gm03	42374376	42374516	Gmdrm	hyper	CHG	0.04
Gm03	42469027	42469185	Gmdrm	hyper	CHG	0.05
Gm03	42475109	42475412	Gmdrm	hyper	CHG	0.1113
Gm03	42592305	42592413	Gmdrm	hyper	CHG	0.06
Gm03	42690581	42690682	Gmdrm	hyper	CHG	0.0567

Gm03	42697631	42697761	Gmdrm	hyper	CHG	0.05
Gm03	42845540	42845667	Gmdrm	hyper	CHG	0.0271
Gm03	43009887	43010195	Gmdrm	hyper	CHG	0.0321
Gm03	43367853	43368204	Gmdrm	hyper	CHG	0.0756
Gm03	43447345	43447567	Gmdrm	hyper	CHG	0.062
Gm03	43461506	43461709	Gmdrm	hyper	CHG	0.036
Gm03	43546731	43546840	Gmdrm	hyper	CHG	0.0717
Gm03	43674025	43674269	Gmdrm	hyper	CHG	0.04
Gm03	43784587	43784946	Gmdrm	hyper	CHG	0.0818
Gm03	43863668	43863943	Gmdrm	hyper	CHG	0.0857
Gm03	43976525	43976711	Gmdrm	hyper	CHG	0.0524
Gm03	44066225	44066486	Gmdrm	hyper	CHG	0.048
Gm03	44078442	44078744	Gmdrm	hyper	CHG	0.0518
Gm03	44201638	44201764	Gmdrm	hyper	CHG	0.05
Gm03	44211077	44211218	Gmdrm	hyper	CHG	0.106
Gm03	44237118	44237272	Gmdrm	hyper	CHG	0.055
Gm03	44550155	44550321	Gmdrm	hyper	CHG	0.044
Gm03	44639964	44640126	Gmdrm	hyper	CHG	0.0544
Gm03	44705479	44705688	Gmdrm	hyper	CHG	0.038
Gm03	44870619	44870922	Gmdrm	hyper	CHG	0.04
Gm03	44886815	44886883	Gmdrm	hyper	CHG	0.042
Gm03	44952437	44952630	Gmdrm	hyper	CHG	0.0466
Gm03	45079529	45079738	Gmdrm	hyper	CHG	0.0572
Gm03	45092071	45092243	Gmdrm	hyper	CHG	0.0388
Gm03	45231044	45231234	Gmdrm	hyper	CHG	0.044
Gm03	45283600	45283658	Gmdrm	hyper	CHG	0.0645
Gm03	45434659	45434843	Gmdrm	hyper	CHG	0.0255
Gm03	45439113	45439380	Gmdrm	hyper	CHG	0.0657
Gm03	45742537	45742590	Gmdrm	hyper	CHG	0.0333
Gm03	45815188	45815403	Gmdrm	hyper	CHG	0.05
Gm03	45864536	45864687	Gmdrm	hyper	CHG	0.0843
Gm03	45907991	45908072	Gmdrm	hyper	CHG	0.038
Gm03	45916618	45917023	Gmdrm	hyper	CHG	0.04
Gm03	45960240	45960485	Gmdrm	hyper	CHG	0.05
Gm03	45971833	45972124	Gmdrm	hyper	CHG	0.0546
Gm03	46014813	46015018	Gmdrm	hyper	CHG	0.0484
Gm03	46044919	46045026	Gmdrm	hyper	CHG	0.038
Gm03	46219877	46220128	Gmdrm	hyper	CHG	0.045
Gm03	46385115	46385454	Gmdrm	hyper	CHG	0.043
Gm03	46393787	46394120	Gmdrm	hyper	CHG	0.0337
Gm03	46422830	46423232	Gmdrm	hyper	CHG	0.0309
Gm03	46481214	46481783	Gmdrm	hyper	CHG	0.0378
Gm03	46575797	46575983	Gmdrm	hyper	CHG	0.035
Gm03	46645096	46645302	Gmdrm	hyper	CHG	0.0633
Gm03	46791479	46791528	Gmdrm	hyper	CHG	0.24
Gm03	46842285	46842544	Gmdrm	hyper	CHG	0.0267

Gm03_scaffo	33811	34070	Gmdrm	hyper	CHG	0.2325
Gm03_scaffo	53336	54336	Gmdrm	hyper	CHG	0.1282
Gm03_scaffo	68789	69152	Gmdrm	hyper	CHG	0.1393
Gm03_scaffo	75093	75552	Gmdrm	hyper	CHG	0.3566
Gm04	39855	40827	Gmdrm	hyper	CHG	0.2164
Gm04	156286	156413	Gmdrm	hyper	CHG	0.06
Gm04	214302	214444	Gmdrm	hyper	CHG	0.0413
Gm04	239121	239250	Gmdrm	hyper	CHG	0.035
Gm04	399915	400072	Gmdrm	hyper	CHG	0.062
Gm04	611433	611624	Gmdrm	hyper	CHG	0.03
Gm04	641116	641257	Gmdrm	hyper	CHG	0.04
Gm04	677011	677469	Gmdrm	hyper	CHG	0.1069
Gm04	677584	677976	Gmdrm	hyper	CHG	0.1263
Gm04	678134	679056	Gmdrm	hyper	CHG	0.2103
Gm04	748135	748388	Gmdrm	hyper	CHG	0.03
Gm04	783317	783630	Gmdrm	hyper	CHG	0.0827
Gm04	837509	837893	Gmdrm	hyper	CHG	0.0292
Gm04	1036305	1036732	Gmdrm	hyper	CHG	0.0519
Gm04	1138984	1139171	Gmdrm	hyper	CHG	0.064
Gm04	1169577	1169876	Gmdrm	hyper	CHG	0.0691
Gm04	1195612	1195778	Gmdrm	hyper	CHG	0.0433
Gm04	1264102	1264352	Gmdrm	hyper	CHG	0.026
Gm04	1836641	1836798	Gmdrm	hyper	CHG	0.03
Gm04	1890041	1890171	Gmdrm	hyper	CHG	0.058
Gm04	2153901	2154132	Gmdrm	hyper	CHG	0.0738
Gm04	2307569	2307941	Gmdrm	hyper	CHG	0.0311
Gm04	2339140	2339231	Gmdrm	hyper	CHG	0.05
Gm04	2339799	2340066	Gmdrm	hyper	CHG	0.0347
Gm04	2343886	2344006	Gmdrm	hyper	CHG	0.05
Gm04	2389521	2389857	Gmdrm	hyper	CHG	0.05
Gm04	2497615	2497788	Gmdrm	hyper	CHG	0.025
Gm04	2535994	2536172	Gmdrm	hyper	CHG	0.042
Gm04	2660891	2660936	Gmdrm	hyper	CHG	0.036
Gm04	2681797	2682117	Gmdrm	hyper	CHG	0.0329
Gm04	2722261	2722338	Gmdrm	hyper	CHG	0.51
Gm04	2844223	2844428	Gmdrm	hyper	CHG	0.055
Gm04	2987231	2987580	Gmdrm	hyper	CHG	0.0722
Gm04	3075139	3075374	Gmdrm	hyper	CHG	0.032
Gm04	3091128	3091485	Gmdrm	hyper	CHG	0.044
Gm04	3124164	3124467	Gmdrm	hyper	CHG	0.0767
Gm04	3273766	3273893	Gmdrm	hyper	CHG	0.036
Gm04	3478060	3478242	Gmdrm	hyper	CHG	0.0371
Gm04	3530037	3530227	Gmdrm	hyper	CHG	0.03
Gm04	3610022	3610107	Gmdrm	hyper	CHG	0.1614
Gm04	3631168	3631465	Gmdrm	hyper	CHG	0.06
Gm04	3914046	3914404	Gmdrm	hyper	CHG	0.037

Gm04	3974585	3974758	Gmdrm	hyper	CHG	0.0633
Gm04	4054900	4055102	Gmdrm	hyper	CHG	0.0517
Gm04	4107712	4107963	Gmdrm	hyper	CHG	0.0343
Gm04	4130996	4131292	Gmdrm	hyper	CHG	0.0763
Gm04	4160997	4161275	Gmdrm	hyper	CHG	0.0257
Gm04	4190170	4190520	Gmdrm	hyper	CHG	0.0377
Gm04	4242815	4243041	Gmdrm	hyper	CHG	0.0316
Gm04	4285970	4286106	Gmdrm	hyper	CHG	0.0317
Gm04	4448290	4448432	Gmdrm	hyper	CHG	0.0343
Gm04	4503793	4503995	Gmdrm	hyper	CHG	0.0517
Gm04	4538068	4538111	Gmdrm	hyper	CHG	0.026
Gm04	4577928	4578105	Gmdrm	hyper	CHG	0.054
Gm04	4641910	4642128	Gmdrm	hyper	CHG	0.3218
Gm04	4644290	4644588	Gmdrm	hyper	CHG	0.2013
Gm04	4650192	4650317	Gmdrm	hyper	CHG	0.0383
Gm04	4656178	4656415	Gmdrm	hyper	CHG	0.04
Gm04	4777430	4777723	Gmdrm	hyper	CHG	0.0422
Gm04	4812889	4813057	Gmdrm	hyper	CHG	0.0372
Gm04	4940166	4940331	Gmdrm	hyper	CHG	0.0317
Gm04	5100757	5100846	Gmdrm	hyper	CHG	0.076
Gm04	5106963	5107277	Gmdrm	hyper	CHG	0.0567
Gm04	5146994	5147325	Gmdrm	hyper	CHG	0.0335
Gm04	5244984	5245101	Gmdrm	hyper	CHG	0.05
Gm04	5245462	5245649	Gmdrm	hyper	CHG	0.0429
Gm04	5293958	5294293	Gmdrm	hyper	CHG	0.0277
Gm04	5497893	5498580	Gmdrm	hyper	CHG	0.1372
Gm04	5934078	5935066	Gmdrm	hyper	CHG	0.1738
Gm04	5942532	5942733	Gmdrm	hyper	CHG	0.038
Gm04	5971031	5971411	Gmdrm	hyper	CHG	0.0671
Gm04	5977968	5978148	Gmdrm	hyper	CHG	0.5367
Gm04	5978276	5978517	Gmdrm	hyper	CHG	0.644
Gm04	6066381	6066586	Gmdrm	hyper	CHG	0.0329
Gm04	6388639	6388864	Gmdrm	hyper	CHG	0.0557
Gm04	6572659	6572733	Gmdrm	hyper	CHG	0.038
Gm04	6592504	6592600	Gmdrm	hyper	CHG	0.0517
Gm04	6606305	6606532	Gmdrm	hyper	CHG	0.0483
Gm04	6678246	6678922	Gmdrm	hyper	CHG	0.5769
Gm04	6760548	6760701	Gmdrm	hyper	CHG	0.062
Gm04	6850545	6850652	Gmdrm	hyper	CHG	0.0466
Gm04	6900047	6900350	Gmdrm	hyper	CHG	0.0554
Gm04	7123922	7124278	Gmdrm	hyper	CHG	0.1814
Gm04	7293890	7294170	Gmdrm	hyper	CHG	0.0566
Gm04	7307644	7307755	Gmdrm	hyper	CHG	0.054
Gm04	7323206	7323469	Gmdrm	hyper	CHG	0.082
Gm04	7336710	7336852	Gmdrm	hyper	CHG	0.082
Gm04	7387287	7387504	Gmdrm	hyper	CHG	0.04

Gm04	7665614	7665851	Gmdrm	hyper	CHG	0.2918
Gm04	7725279	7725910	Gmdrm	hyper	CHG	0.4088
Gm04	7989930	7990162	Gmdrm	hyper	CHG	0.0367
Gm04	8130726	8130812	Gmdrm	hyper	CHG	0.0585
Gm04	8130976	8131358	Gmdrm	hyper	CHG	0.294
Gm04	8217320	8217437	Gmdrm	hyper	CHG	0.5186
Gm04	8312717	8312870	Gmdrm	hyper	CHG	0.0414
Gm04	8334072	8334223	Gmdrm	hyper	CHG	0.5729
Gm04	8376349	8376626	Gmdrm	hyper	CHG	0.035
Gm04	8517763	8517853	Gmdrm	hyper	CHG	0.0533
Gm04	8698411	8698829	Gmdrm	hyper	CHG	0.0871
Gm04	9373921	9374098	Gmdrm	hyper	CHG	0.058
Gm04	9396476	9396666	Gmdrm	hyper	CHG	0.04
Gm04	9449291	9449728	Gmdrm	hyper	CHG	0.1192
Gm04	9509267	9509708	Gmdrm	hyper	CHG	0.0434
Gm04	9639089	9639671	Gmdrm	hyper	CHG	0.0807
Gm04	9899374	9899491	Gmdrm	hyper	CHG	0.269
Gm04	10008415	10008705	Gmdrm	hyper	CHG	0.2712
Gm04	10036765	10036838	Gmdrm	hyper	CHG	0.035
Gm04	10058657	10058793	Gmdrm	hyper	CHG	0.0983
Gm04	10197203	10197290	Gmdrm	hyper	CHG	0.2467
Gm04	10203049	10203136	Gmdrm	hyper	CHG	0.216
Gm04	10346119	10346297	Gmdrm	hyper	CHG	0.305
Gm04	10707354	10707754	Gmdrm	hyper	CHG	0.2331
Gm04	10708047	10708505	Gmdrm	hyper	CHG	0.2114
Gm04	10710700	10710883	Gmdrm	hyper	CHG	0.1643
Gm04	10777229	10777538	Gmdrm	hyper	CHG	0.1532
Gm04	10906675	10906860	Gmdrm	hyper	CHG	0.247
Gm04	10928143	10928386	Gmdrm	hyper	CHG	0.4212
Gm04	11220546	11220815	Gmdrm	hyper	CHG	0.0266
Gm04	11265072	11265898	Gmdrm	hyper	CHG	0.0407
Gm04	11268046	11268831	Gmdrm	hyper	CHG	0.2166
Gm04	11286011	11286978	Gmdrm	hyper	CHG	0.093
Gm04	11287027	11288025	Gmdrm	hyper	CHG	0.1045
Gm04	11355678	11356175	Gmdrm	hyper	CHG	0.1928
Gm04	11419612	11419692	Gmdrm	hyper	CHG	0.1409
Gm04	11515660	11515827	Gmdrm	hyper	CHG	0.1737
Gm04	11751971	11751989	Gmdrm	hyper	CHG	0.074
Gm04	11890099	11890845	Gmdrm	hyper	CHG	0.3907
Gm04	11891081	11891649	Gmdrm	hyper	CHG	0.4422
Gm04	11946117	11946158	Gmdrm	hyper	CHG	0.344
Gm04	12211705	12211892	Gmdrm	hyper	CHG	0.0616
Gm04	12632623	12632819	Gmdrm	hyper	CHG	0.0314
Gm04	12729252	12729582	Gmdrm	hyper	CHG	0.0386
Gm04	13020174	13020613	Gmdrm	hyper	CHG	0.3673
Gm04	13020732	13020925	Gmdrm	hyper	CHG	0.283

Gm04	13886901	13886995	Gmdrm	hyper	CHG	0.084
Gm04	13950104	13950521	Gmdrm	hyper	CHG	0.0531
Gm04	13950629	13951039	Gmdrm	hyper	CHG	0.307
Gm04	13961667	13961719	Gmdrm	hyper	CHG	0.1667
Gm04	14399242	14399625	Gmdrm	hyper	CHG	0.317
Gm04	14797257	14797382	Gmdrm	hyper	CHG	0.2275
Gm04	14866600	14866769	Gmdrm	hyper	CHG	0.35
Gm04	14870686	14871504	Gmdrm	hyper	CHG	0.146
Gm04	14872149	14872563	Gmdrm	hyper	CHG	0.13
Gm04	15079318	15079679	Gmdrm	hyper	CHG	0.07
Gm04	15082460	15082596	Gmdrm	hyper	CHG	0.0533
Gm04	15120064	15121040	Gmdrm	hyper	CHG	0.1866
Gm04	15121503	15122383	Gmdrm	hyper	CHG	0.1537
Gm04	15266497	15266569	Gmdrm	hyper	CHG	0.054
Gm04	15765901	15766306	Gmdrm	hyper	CHG	0.0355
Gm04	15775144	15775496	Gmdrm	hyper	CHG	0.3595
Gm04	15860203	15861188	Gmdrm	hyper	CHG	0.085
Gm04	15971474	15971564	Gmdrm	hyper	CHG	0.1586
Gm04	16035051	16035481	Gmdrm	hyper	CHG	0.1176
Gm04	16060959	16061036	Gmdrm	hyper	CHG	0.145
Gm04	16084859	16085202	Gmdrm	hyper	CHG	0.1406
Gm04	16085309	16085499	Gmdrm	hyper	CHG	0.159
Gm04	16889349	16889607	Gmdrm	hyper	CHG	0.085
Gm04	17175974	17176109	Gmdrm	hyper	CHG	0.126
Gm04	17262139	17262266	Gmdrm	hyper	CHG	0.3725
Gm04	17411447	17411582	Gmdrm	hyper	CHG	0.2175
Gm04	17440294	17440421	Gmdrm	hyper	CHG	0.0466
Gm04	17742990	17743392	Gmdrm	hyper	CHG	0.2281
Gm04	17743763	17744038	Gmdrm	hyper	CHG	0.1356
Gm04	17744201	17744676	Gmdrm	hyper	CHG	0.1269
Gm04	17744893	17745476	Gmdrm	hyper	CHG	0.0784
Gm04	17764228	17764442	Gmdrm	hyper	CHG	0.088
Gm04	18156933	18157581	Gmdrm	hyper	CHG	0.1957
Gm04	18158073	18158290	Gmdrm	hyper	CHG	0.1173
Gm04	18321621	18321732	Gmdrm	hyper	CHG	0.161
Gm04	18493331	18494317	Gmdrm	hyper	CHG	0.2422
Gm04	18503984	18504188	Gmdrm	hyper	CHG	0.082
Gm04	18610976	18611120	Gmdrm	hyper	CHG	0.1487
Gm04	18686172	18687164	Gmdrm	hyper	CHG	0.1907
Gm04	18687180	18688030	Gmdrm	hyper	CHG	0.1583
Gm04	19263275	19263554	Gmdrm	hyper	CHG	0.0286
Gm04	19343761	19343847	Gmdrm	hyper	CHG	0.1588
Gm04	20013719	20014097	Gmdrm	hyper	CHG	0.1715
Gm04	20195138	20195195	Gmdrm	hyper	CHG	0.434
Gm04	20335587	20335610	Gmdrm	hyper	CHG	0.1966
Gm04	20999954	21000161	Gmdrm	hyper	CHG	0.4129

Gm04	21251063	21251231	Gmdrm	hyper	CHG	0.1284
Gm04	22027699	22028277	Gmdrm	hyper	CHG	0.2015
Gm04	22171923	22172027	Gmdrm	hyper	CHG	0.258
Gm04	22555102	22555325	Gmdrm	hyper	CHG	0.24
Gm04	22789835	22790055	Gmdrm	hyper	CHG	0.178
Gm04	22790276	22790810	Gmdrm	hyper	CHG	0.3643
Gm04	22804274	22805241	Gmdrm	hyper	CHG	0.2014
Gm04	22805894	22806091	Gmdrm	hyper	CHG	0.5264
Gm04	22806223	22806564	Gmdrm	hyper	CHG	0.4038
Gm04	23057227	23057344	Gmdrm	hyper	CHG	0.2037
Gm04	23511184	23511351	Gmdrm	hyper	CHG	0.252
Gm04	24324796	24324957	Gmdrm	hyper	CHG	0.1238
Gm04	24513835	24513881	Gmdrm	hyper	CHG	0.1687
Gm04	24975606	24975758	Gmdrm	hyper	CHG	0.26
Gm04	25176131	25176252	Gmdrm	hyper	CHG	0.055
Gm04	25221202	25221335	Gmdrm	hyper	CHG	0.1582
Gm04	25477962	25478114	Gmdrm	hyper	CHG	0.038
Gm04	26074897	26074976	Gmdrm	hyper	CHG	0.5367
Gm04	26591461	26591603	Gmdrm	hyper	CHG	0.038
Gm04	26591750	26591976	Gmdrm	hyper	CHG	0.3057
Gm04	26791954	26792883	Gmdrm	hyper	CHG	0.1137
Gm04	26887994	26888971	Gmdrm	hyper	CHG	0.1167
Gm04	27044336	27045331	Gmdrm	hyper	CHG	0.1296
Gm04	27064967	27065930	Gmdrm	hyper	CHG	0.1496
Gm04	27066038	27067020	Gmdrm	hyper	CHG	0.15
Gm04	27067055	27068054	Gmdrm	hyper	CHG	0.1645
Gm04	27068059	27069055	Gmdrm	hyper	CHG	0.1766
Gm04	27069066	27069924	Gmdrm	hyper	CHG	0.2353
Gm04	27070055	27071051	Gmdrm	hyper	CHG	0.1592
Gm04	27071089	27071402	Gmdrm	hyper	CHG	0.2625
Gm04	27071757	27071895	Gmdrm	hyper	CHG	0.1744
Gm04	27075268	27076243	Gmdrm	hyper	CHG	0.2165
Gm04	27076334	27077278	Gmdrm	hyper	CHG	0.2213
Gm04	27080508	27081504	Gmdrm	hyper	CHG	0.1502
Gm04	27081595	27081903	Gmdrm	hyper	CHG	0.2173
Gm04	27082592	27082931	Gmdrm	hyper	CHG	0.2022
Gm04	27083959	27084266	Gmdrm	hyper	CHG	0.1325
Gm04	27089321	27089549	Gmdrm	hyper	CHG	0.305
Gm04	27352980	27353964	Gmdrm	hyper	CHG	0.1149
Gm04	27505550	27506070	Gmdrm	hyper	CHG	0.0271
Gm04	27904296	27904659	Gmdrm	hyper	CHG	0.2679
Gm04	28212623	28213613	Gmdrm	hyper	CHG	0.0958
Gm04	28774813	28774993	Gmdrm	hyper	CHG	0.214
Gm04	28946770	28946948	Gmdrm	hyper	CHG	0.2534
Gm04	28999617	28999747	Gmdrm	hyper	CHG	0.4677
Gm04	31231375	31231467	Gmdrm	hyper	CHG	0.1314

Gm04	31547882	31548123	Gmdrm	hyper	CHG	0.2861
Gm04	32448198	32448321	Gmdrm	hyper	CHG	0.0617
Gm04	32702780	32702823	Gmdrm	hyper	CHG	0.1667
Gm04	32705174	32705220	Gmdrm	hyper	CHG	0.335
Gm04	32796867	32797146	Gmdrm	hyper	CHG	0.0433
Gm04	33480972	33481711	Gmdrm	hyper	CHG	0.1531
Gm04	33724449	33724930	Gmdrm	hyper	CHG	0.4362
Gm04	33760111	33760311	Gmdrm	hyper	CHG	0.22
Gm04	34203489	34203657	Gmdrm	hyper	CHG	0.1562
Gm04	34527735	34527929	Gmdrm	hyper	CHG	0.0433
Gm04	34837863	34837928	Gmdrm	hyper	CHG	0.098
Gm04	34855824	34856094	Gmdrm	hyper	CHG	0.2824
Gm04	34935790	34936431	Gmdrm	hyper	CHG	0.1337
Gm04	35224185	35224324	Gmdrm	hyper	CHG	0.0429
Gm04	35235620	35236375	Gmdrm	hyper	CHG	0.2854
Gm04	35935278	35935488	Gmdrm	hyper	CHG	0.0256
Gm04	35987411	35987476	Gmdrm	hyper	CHG	0.1334
Gm04	36315921	36316916	Gmdrm	hyper	CHG	0.1322
Gm04	36566713	36566872	Gmdrm	hyper	CHG	0.1425
Gm04	36799558	36799632	Gmdrm	hyper	CHG	0.4367
Gm04	36803230	36803258	Gmdrm	hyper	CHG	0.234
Gm04	36967225	36967723	Gmdrm	hyper	CHG	0.2653
Gm04	36982501	36982600	Gmdrm	hyper	CHG	0.202
Gm04	37042703	37042869	Gmdrm	hyper	CHG	0.3743
Gm04	37106409	37106459	Gmdrm	hyper	CHG	0.4237
Gm04	37399138	37399356	Gmdrm	hyper	CHG	0.045
Gm04	37501054	37501378	Gmdrm	hyper	CHG	0.18
Gm04	37664573	37664765	Gmdrm	hyper	CHG	0.24
Gm04	37846692	37846940	Gmdrm	hyper	CHG	0.0687
Gm04	37864801	37865069	Gmdrm	hyper	CHG	0.0427
Gm04	38300263	38300453	Gmdrm	hyper	CHG	0.1745
Gm04	38390924	38391065	Gmdrm	hyper	CHG	0.2662
Gm04	39417759	39417927	Gmdrm	hyper	CHG	0.0925
Gm04	39649212	39649706	Gmdrm	hyper	CHG	0.1861
Gm04	39959553	39959748	Gmdrm	hyper	CHG	0.1026
Gm04	39978817	39978851	Gmdrm	hyper	CHG	0.5076
Gm04	40009074	40009819	Gmdrm	hyper	CHG	0.2894
Gm04	40121370	40121661	Gmdrm	hyper	CHG	0.1815
Gm04	40254300	40254423	Gmdrm	hyper	CHG	0.2129
Gm04	40254580	40254650	Gmdrm	hyper	CHG	0.3683
Gm04	40313789	40313947	Gmdrm	hyper	CHG	0.022
Gm04	40407865	40408160	Gmdrm	hyper	CHG	0.0262
Gm04	40563433	40563557	Gmdrm	hyper	CHG	0.035
Gm04	40576974	40577193	Gmdrm	hyper	CHG	0.0428
Gm04	40656643	40656903	Gmdrm	hyper	CHG	0.04
Gm04	40714124	40714225	Gmdrm	hyper	CHG	0.048

Gm04	40747415	40747598	Gmdrm	hyper	CHG	0.1355
Gm04	41284328	41284531	Gmdrm	hyper	CHG	0.072
Gm04	41297726	41297954	Gmdrm	hyper	CHG	0.2158
Gm04	41595631	41595807	Gmdrm	hyper	CHG	0.076
Gm04	42234332	42234437	Gmdrm	hyper	CHG	0.31
Gm04	42981010	42981212	Gmdrm	hyper	CHG	0.032
Gm04	43247206	43247389	Gmdrm	hyper	CHG	0.1407
Gm04	43264595	43264878	Gmdrm	hyper	CHG	0.0383
Gm04	43282209	43282491	Gmdrm	hyper	CHG	0.0363
Gm04	43290974	43291082	Gmdrm	hyper	CHG	0.058
Gm04	43380106	43380178	Gmdrm	hyper	CHG	0.4257
Gm04	43380422	43380435	Gmdrm	hyper	CHG	0.4816
Gm04	43434386	43434539	Gmdrm	hyper	CHG	0.07
Gm04	43487704	43487883	Gmdrm	hyper	CHG	0.054
Gm04	43697208	43697247	Gmdrm	hyper	CHG	0.0388
Gm04	43936714	43936777	Gmdrm	hyper	CHG	0.05
Gm04	43938390	43938512	Gmdrm	hyper	CHG	0.26
Gm04	44012482	44012651	Gmdrm	hyper	CHG	0.4433
Gm04	44079397	44079540	Gmdrm	hyper	CHG	0.3283
Gm04	44257006	44257351	Gmdrm	hyper	CHG	0.0568
Gm04	44337449	44337732	Gmdrm	hyper	CHG	0.543
Gm04	44358097	44358398	Gmdrm	hyper	CHG	0.6661
Gm04	44526892	44527069	Gmdrm	hyper	CHG	0.035
Gm04	44867381	44867546	Gmdrm	hyper	CHG	0.06
Gm04	44940573	44940855	Gmdrm	hyper	CHG	0.0467
Gm04	45044853	45045611	Gmdrm	hyper	CHG	0.187
Gm04	45061407	45061886	Gmdrm	hyper	CHG	0.025
Gm04	45094664	45095039	Gmdrm	hyper	CHG	0.085
Gm04	45256094	45256267	Gmdrm	hyper	CHG	0.11
Gm04	45269210	45269286	Gmdrm	hyper	CHG	0.07
Gm04	45326857	45327036	Gmdrm	hyper	CHG	0.048
Gm04	45662728	45662942	Gmdrm	hyper	CHG	0.036
Gm04	45682325	45682412	Gmdrm	hyper	CHG	0.06
Gm04	45932255	45932516	Gmdrm	hyper	CHG	0.0344
Gm04	45961494	45961717	Gmdrm	hyper	CHG	0.0371
Gm04	46043848	46044005	Gmdrm	hyper	CHG	0.026
Gm04	46310947	46311080	Gmdrm	hyper	CHG	0.038
Gm04	46416378	46416739	Gmdrm	hyper	CHG	0.0628
Gm04	46442098	46442236	Gmdrm	hyper	CHG	0.0325
Gm04	46462137	46463093	Gmdrm	hyper	CHG	0.171
Gm04	46463311	46464309	Gmdrm	hyper	CHG	0.2062
Gm04	46499609	46500036	Gmdrm	hyper	CHG	0.0373
Gm04	46654947	46655141	Gmdrm	hyper	CHG	0.055
Gm04	46770868	46770997	Gmdrm	hyper	CHG	0.0333
Gm04	46811273	46811670	Gmdrm	hyper	CHG	0.0292
Gm04	46824523	46825262	Gmdrm	hyper	CHG	0.0357

Gm04	46982932	46983116	Gmdrm	hyper	CHG	0.0344
Gm04	47063569	47063827	Gmdrm	hyper	CHG	0.035
Gm04	47086038	47086378	Gmdrm	hyper	CHG	0.0567
Gm04	47102244	47102666	Gmdrm	hyper	CHG	0.3389
Gm04	47106099	47106440	Gmdrm	hyper	CHG	0.085
Gm04	47167403	47167949	Gmdrm	hyper	CHG	0.3596
Gm04	47183572	47183637	Gmdrm	hyper	CHG	0.1017
Gm04	47215654	47215945	Gmdrm	hyper	CHG	0.0507
Gm04	47308578	47309062	Gmdrm	hyper	CHG	0.0421
Gm04	47459655	47459743	Gmdrm	hyper	CHG	0.07
Gm04	47543041	47543360	Gmdrm	hyper	CHG	0.0272
Gm04	47563634	47563765	Gmdrm	hyper	CHG	0.0314
Gm04	47564271	47564476	Gmdrm	hyper	CHG	0.08
Gm04	47666468	47666706	Gmdrm	hyper	CHG	0.0366
Gm04	47786201	47786329	Gmdrm	hyper	CHG	0.06
Gm04	47977543	47977722	Gmdrm	hyper	CHG	0.042
Gm04	48000487	48000851	Gmdrm	hyper	CHG	0.0338
Gm04	48125073	48125317	Gmdrm	hyper	CHG	0.0486
Gm04	48175996	48176029	Gmdrm	hyper	CHG	0.03
Gm04	48371205	48371633	Gmdrm	hyper	CHG	0.0462
Gm04	48589342	48589486	Gmdrm	hyper	CHG	0.038
Gm04	48631868	48632149	Gmdrm	hyper	CHG	0.0275
Gm04	48830384	48830587	Gmdrm	hyper	CHG	0.0583
Gm04	48830828	48831262	Gmdrm	hyper	CHG	0.0479
Gm04	48920898	48921110	Gmdrm	hyper	CHG	0.035
Gm04	49061437	49061606	Gmdrm	hyper	CHG	0.046
Gm04	49191182	49191356	Gmdrm	hyper	CHG	0.042
Gm04	49314892	49315141	Gmdrm	hyper	CHG	0.0387
Gm04	49417961	49418065	Gmdrm	hyper	CHG	0.086
Gm04	49436618	49437079	Gmdrm	hyper	CHG	0.0892
Gm04	49570417	49570823	Gmdrm	hyper	CHG	0.0388
Gm04	49663409	49664397	Gmdrm	hyper	CHG	0.1019
Gm04	49664435	49664698	Gmdrm	hyper	CHG	0.4018
Gm04	49703867	49704036	Gmdrm	hyper	CHG	0.0517
Gm04	49820605	49820656	Gmdrm	hyper	CHG	0.06
Gm04	49832164	49832303	Gmdrm	hyper	CHG	0.044
Gm04	49974113	49974331	Gmdrm	hyper	CHG	0.0283
Gm04	50109750	50109948	Gmdrm	hyper	CHG	0.048
Gm04	50119394	50119720	Gmdrm	hyper	CHG	0.0954
Gm04	50284121	50284227	Gmdrm	hyper	CHG	0.058
Gm04	50339772	50339914	Gmdrm	hyper	CHG	0.0485
Gm04	50448652	50448815	Gmdrm	hyper	CHG	0.0367
Gm04	50533191	50533400	Gmdrm	hyper	CHG	0.0338
Gm04	50632278	50632429	Gmdrm	hyper	CHG	0.0533
Gm04	50694334	50694459	Gmdrm	hyper	CHG	0.04
Gm04	50806309	50806594	Gmdrm	hyper	CHG	0.0575

Gm04	50848419	50848628	Gmdrm	hyper	CHG	0.076
Gm04	50861181	50861247	Gmdrm	hyper	CHG	0.0633
Gm04	50892332	50892582	Gmdrm	hyper	CHG	0.056
Gm04	50899705	50899763	Gmdrm	hyper	CHG	0.06
Gm04	51000778	51000945	Gmdrm	hyper	CHG	0.1617
Gm04	51124601	51124837	Gmdrm	hyper	CHG	0.044
Gm05	189517	189677	Gmdrm	hyper	CHG	0.0533
Gm05	250131	250563	Gmdrm	hyper	CHG	0.0458
Gm05	260272	260455	Gmdrm	hyper	CHG	0.048
Gm05	273748	273836	Gmdrm	hyper	CHG	0.05
Gm05	284365	284799	Gmdrm	hyper	CHG	0.4907
Gm05	285421	285601	Gmdrm	hyper	CHG	0.3029
Gm05	359452	359711	Gmdrm	hyper	CHG	0.0371
Gm05	830878	831053	Gmdrm	hyper	CHG	0.0383
Gm05	872356	872612	Gmdrm	hyper	CHG	0.0411
Gm05	876240	876516	Gmdrm	hyper	CHG	0.0337
Gm05	1206995	1207067	Gmdrm	hyper	CHG	0.078
Gm05	1279639	1279756	Gmdrm	hyper	CHG	0.1667
Gm05	1303156	1303482	Gmdrm	hyper	CHG	0.0456
Gm05	1356252	1356356	Gmdrm	hyper	CHG	0.058
Gm05	1358375	1358439	Gmdrm	hyper	CHG	0.038
Gm05	1424698	1424859	Gmdrm	hyper	CHG	0.0234
Gm05	1527600	1527737	Gmdrm	hyper	CHG	0.058
Gm05	1542134	1542249	Gmdrm	hyper	CHG	0.04
Gm05	1666341	1666434	Gmdrm	hyper	CHG	0.042
Gm05	1762367	1762626	Gmdrm	hyper	CHG	0.0717
Gm05	1849967	1850064	Gmdrm	hyper	CHG	0.1317
Gm05	1865375	1865407	Gmdrm	hyper	CHG	0.05
Gm05	1906778	1907017	Gmdrm	hyper	CHG	0.14
Gm05	2112908	2113061	Gmdrm	hyper	CHG	0.0588
Gm05	2127174	2127358	Gmdrm	hyper	CHG	0.0536
Gm05	2148173	2148328	Gmdrm	hyper	CHG	0.042
Gm05	2259875	2260428	Gmdrm	hyper	CHG	0.0292
Gm05	2260529	2260687	Gmdrm	hyper	CHG	0.0733
Gm05	2452253	2452350	Gmdrm	hyper	CHG	0.044
Gm05	2475607	2475777	Gmdrm	hyper	CHG	0.04
Gm05	2483039	2483085	Gmdrm	hyper	CHG	0.106
Gm05	2646110	2646223	Gmdrm	hyper	CHG	0.0583
Gm05	2714070	2714251	Gmdrm	hyper	CHG	0.066
Gm05	2786534	2786667	Gmdrm	hyper	CHG	0.0334
Gm05	2881585	2881773	Gmdrm	hyper	CHG	0.0343
Gm05	2905519	2905652	Gmdrm	hyper	CHG	0.046
Gm05	2911434	2911674	Gmdrm	hyper	CHG	0.0783
Gm05	3063222	3063312	Gmdrm	hyper	CHG	0.05
Gm05	3177942	3177987	Gmdrm	hyper	CHG	0.102
Gm05	3312336	3312710	Gmdrm	hyper	CHG	0.1425

Gm05	3472586	3472856	Gmdrm	hyper	CHG	0.3078
Gm05	3516236	3516542	Gmdrm	hyper	CHG	0.0383
Gm05	3534045	3534142	Gmdrm	hyper	CHG	0.036
Gm05	3658540	3658784	Gmdrm	hyper	CHG	0.03
Gm05	3661522	3661580	Gmdrm	hyper	CHG	0.0572
Gm05	3772024	3772148	Gmdrm	hyper	CHG	0.046
Gm05	3874106	3874198	Gmdrm	hyper	CHG	0.522
Gm05	3874391	3874487	Gmdrm	hyper	CHG	0.2666
Gm05	3889064	3889222	Gmdrm	hyper	CHG	0.0363
Gm05	3908167	3908340	Gmdrm	hyper	CHG	0.0371
Gm05	3955934	3956909	Gmdrm	hyper	CHG	0.6349
Gm05	3956976	3957172	Gmdrm	hyper	CHG	0.0682
Gm05	4009371	4009476	Gmdrm	hyper	CHG	0.0717
Gm05	4083005	4083126	Gmdrm	hyper	CHG	0.062
Gm05	4187878	4188083	Gmdrm	hyper	CHG	0.0486
Gm05	4232970	4233117	Gmdrm	hyper	CHG	0.0267
Gm05	4261856	4262125	Gmdrm	hyper	CHG	0.0376
Gm05	4321575	4321679	Gmdrm	hyper	CHG	0.0822
Gm05	4339029	4339393	Gmdrm	hyper	CHG	0.03
Gm05	4347974	4348377	Gmdrm	hyper	CHG	0.25
Gm05	4406025	4406229	Gmdrm	hyper	CHG	0.0333
Gm05	4574185	4574677	Gmdrm	hyper	CHG	0.2038
Gm05	4669188	4669357	Gmdrm	hyper	CHG	0.0472
Gm05	4671164	4671336	Gmdrm	hyper	CHG	0.0383
Gm05	4710624	4710761	Gmdrm	hyper	CHG	0.1257
Gm05	4736285	4736371	Gmdrm	hyper	CHG	0.146
Gm05	4848417	4848650	Gmdrm	hyper	CHG	0.0517
Gm05	4866269	4866605	Gmdrm	hyper	CHG	0.0414
Gm05	5025759	5025833	Gmdrm	hyper	CHG	0.082
Gm05	5043152	5043389	Gmdrm	hyper	CHG	0.0455
Gm05	5096796	5096987	Gmdrm	hyper	CHG	0.0283
Gm05	5286618	5286898	Gmdrm	hyper	CHG	0.0483
Gm05	5481052	5481186	Gmdrm	hyper	CHG	0.1513
Gm05	5667666	5667931	Gmdrm	hyper	CHG	0.075
Gm05	5688081	5688236	Gmdrm	hyper	CHG	0.038
Gm05	5738671	5739420	Gmdrm	hyper	CHG	0.03
Gm05	5753607	5753945	Gmdrm	hyper	CHG	0.053
Gm05	5858983	5859228	Gmdrm	hyper	CHG	0.0863
Gm05	5919811	5919920	Gmdrm	hyper	CHG	0.034
Gm05	6178402	6178670	Gmdrm	hyper	CHG	0.2116
Gm05	6179848	6180837	Gmdrm	hyper	CHG	0.2118
Gm05	6180862	6181287	Gmdrm	hyper	CHG	0.168
Gm05	6181741	6182253	Gmdrm	hyper	CHG	0.1024
Gm05	6248800	6248957	Gmdrm	hyper	CHG	0.24
Gm05	6359323	6359464	Gmdrm	hyper	CHG	0.035
Gm05	6453521	6453654	Gmdrm	hyper	CHG	0.34

Gm05	6514907	6515222	Gmdrm	hyper	CHG	0.42
Gm05	6822273	6822379	Gmdrm	hyper	CHG	0.052
Gm05	6900667	6900841	Gmdrm	hyper	CHG	0.1565
Gm05	7309986	7310344	Gmdrm	hyper	CHG	0.0606
Gm05	7358993	7359218	Gmdrm	hyper	CHG	0.3932
Gm05	7641964	7642727	Gmdrm	hyper	CHG	0.138
Gm05	7679881	7680161	Gmdrm	hyper	CHG	0.1475
Gm05	7775207	7775274	Gmdrm	hyper	CHG	0.04
Gm05	8394559	8395554	Gmdrm	hyper	CHG	0.7605
Gm05	8395565	8395811	Gmdrm	hyper	CHG	0.7593
Gm05	8511017	8511138	Gmdrm	hyper	CHG	0.11
Gm05	8688020	8688475	Gmdrm	hyper	CHG	0.3405
Gm05	8741052	8741136	Gmdrm	hyper	CHG	0.445
Gm05	8797781	8798024	Gmdrm	hyper	CHG	0.04
Gm05	8901668	8901828	Gmdrm	hyper	CHG	0.244
Gm05	10061925	10061964	Gmdrm	hyper	CHG	0.0484
Gm05	10062331	10062502	Gmdrm	hyper	CHG	0.1472
Gm05	10062651	10062864	Gmdrm	hyper	CHG	0.44
Gm05	10182623	10183101	Gmdrm	hyper	CHG	0.2009
Gm05	10827818	10828074	Gmdrm	hyper	CHG	0.035
Gm05	10887399	10887688	Gmdrm	hyper	CHG	0.0978
Gm05	11147763	11148152	Gmdrm	hyper	CHG	0.0786
Gm05	11375207	11375436	Gmdrm	hyper	CHG	0.05
Gm05	11410558	11410688	Gmdrm	hyper	CHG	0.2866
Gm05	11437713	11437739	Gmdrm	hyper	CHG	0.095
Gm05	11552343	11553227	Gmdrm	hyper	CHG	0.5528
Gm05	12672772	12672997	Gmdrm	hyper	CHG	0.194
Gm05	12794308	12794438	Gmdrm	hyper	CHG	0.0363
Gm05	13292121	13292273	Gmdrm	hyper	CHG	0.14
Gm05	13482246	13482351	Gmdrm	hyper	CHG	0.147
Gm05	13542635	13542820	Gmdrm	hyper	CHG	0.2523
Gm05	13968571	13968798	Gmdrm	hyper	CHG	0.29
Gm05	14116849	14117846	Gmdrm	hyper	CHG	0.3102
Gm05	14435059	14435124	Gmdrm	hyper	CHG	0.214
Gm05	14547079	14547589	Gmdrm	hyper	CHG	0.1785
Gm05	14547723	14547805	Gmdrm	hyper	CHG	0.2946
Gm05	14688024	14688069	Gmdrm	hyper	CHG	0.0329
Gm05	14693571	14694475	Gmdrm	hyper	CHG	0.3624
Gm05	14777321	14777633	Gmdrm	hyper	CHG	0.0523
Gm05	14856811	14857290	Gmdrm	hyper	CHG	0.1215
Gm05	14994279	14994625	Gmdrm	hyper	CHG	0.1575
Gm05	15312881	15313013	Gmdrm	hyper	CHG	0.257
Gm05	16262452	16262606	Gmdrm	hyper	CHG	0.05
Gm05	16823611	16823695	Gmdrm	hyper	CHG	0.06
Gm05	16892058	16892103	Gmdrm	hyper	CHG	0.3433
Gm05	17309161	17309254	Gmdrm	hyper	CHG	0.1083

Gm05	17511420	17511504	Gmdrm	hyper	CHG	0.305
Gm05	18559434	18560013	Gmdrm	hyper	CHG	0.1425
Gm05	18903633	18903708	Gmdrm	hyper	CHG	0.062
Gm05	19153848	19154099	Gmdrm	hyper	CHG	0.1664
Gm05	19155172	19155538	Gmdrm	hyper	CHG	0.0725
Gm05	19618214	19618352	Gmdrm	hyper	CHG	0.1
Gm05	19928658	19928845	Gmdrm	hyper	CHG	0.2
Gm05	20070480	20070612	Gmdrm	hyper	CHG	0.16
Gm05	20071270	20071506	Gmdrm	hyper	CHG	0.0478
Gm05	20096622	20097044	Gmdrm	hyper	CHG	0.064
Gm05	20097324	20097450	Gmdrm	hyper	CHG	0.4067
Gm05	20119302	20120153	Gmdrm	hyper	CHG	0.1177
Gm05	20146507	20146862	Gmdrm	hyper	CHG	0.253
Gm05	20396057	20397030	Gmdrm	hyper	CHG	0.1091
Gm05	20475362	20476328	Gmdrm	hyper	CHG	0.1348
Gm05	20998849	20998999	Gmdrm	hyper	CHG	0.052
Gm05	21288240	21288466	Gmdrm	hyper	CHG	0.32
Gm05	21325469	21325757	Gmdrm	hyper	CHG	0.1859
Gm05	21643060	21643944	Gmdrm	hyper	CHG	0.1412
Gm05	21989642	21990085	Gmdrm	hyper	CHG	0.3765
Gm05	21990208	21990267	Gmdrm	hyper	CHG	0.8367
Gm05	21990511	21990821	Gmdrm	hyper	CHG	0.815
Gm05	22212757	22212905	Gmdrm	hyper	CHG	0.0914
Gm05	22261651	22261952	Gmdrm	hyper	CHG	0.0169
Gm05	23531764	23532007	Gmdrm	hyper	CHG	0.2522
Gm05	23578515	23578641	Gmdrm	hyper	CHG	0.35
Gm05	23864776	23864813	Gmdrm	hyper	CHG	0.0867
Gm05	24004418	24004632	Gmdrm	hyper	CHG	0.3708
Gm05	24023794	24023901	Gmdrm	hyper	CHG	0.2928
Gm05	24029887	24029924	Gmdrm	hyper	CHG	0.05
Gm05	24554621	24554841	Gmdrm	hyper	CHG	0.4361
Gm05	25069032	25069085	Gmdrm	hyper	CHG	0.242
Gm05	25573268	25573454	Gmdrm	hyper	CHG	0.212
Gm05	25575453	25575793	Gmdrm	hyper	CHG	0.0367
Gm05	25607474	25607579	Gmdrm	hyper	CHG	0.1129
Gm05	25883430	25883518	Gmdrm	hyper	CHG	0.1215
Gm05	25949697	25950311	Gmdrm	hyper	CHG	0.196
Gm05	26249594	26249751	Gmdrm	hyper	CHG	0.098
Gm05	26661224	26662068	Gmdrm	hyper	CHG	0.3791
Gm05	26663913	26664157	Gmdrm	hyper	CHG	0.0808
Gm05	26692601	26692773	Gmdrm	hyper	CHG	0.0384
Gm05	26705662	26705880	Gmdrm	hyper	CHG	0.034
Gm05	26754849	26754970	Gmdrm	hyper	CHG	0.09
Gm05	26859376	26859466	Gmdrm	hyper	CHG	0.678
Gm05	26868462	26868661	Gmdrm	hyper	CHG	0.054
Gm05	26906440	26906521	Gmdrm	hyper	CHG	0.2966

Gm05	27100833	27101045	Gmdrm	hyper	CHG	0.1125
Gm05	27101184	27101648	Gmdrm	hyper	CHG	0.5335
Gm05	27224388	27224457	Gmdrm	hyper	CHG	0.4666
Gm05	27311319	27311721	Gmdrm	hyper	CHG	0.405
Gm05	27313460	27313671	Gmdrm	hyper	CHG	0.0616
Gm05	27405325	27405507	Gmdrm	hyper	CHG	0.0733
Gm05	27716678	27717065	Gmdrm	hyper	CHG	0.0627
Gm05	27730441	27730545	Gmdrm	hyper	CHG	0.052
Gm05	27951857	27951978	Gmdrm	hyper	CHG	0.066
Gm05	28307567	28307774	Gmdrm	hyper	CHG	0.0583
Gm05	28308023	28308196	Gmdrm	hyper	CHG	0.0414
Gm05	28491116	28492096	Gmdrm	hyper	CHG	0.2661
Gm05	28697546	28697669	Gmdrm	hyper	CHG	0.04
Gm05	29580951	29581495	Gmdrm	hyper	CHG	0.2591
Gm05	29803499	29803706	Gmdrm	hyper	CHG	0.045
Gm05	30075954	30076219	Gmdrm	hyper	CHG	0.2212
Gm05	30491236	30491329	Gmdrm	hyper	CHG	0.04
Gm05	30554136	30554405	Gmdrm	hyper	CHG	0.03
Gm05	30609061	30609337	Gmdrm	hyper	CHG	0.073
Gm05	30626832	30626989	Gmdrm	hyper	CHG	0.286
Gm05	30668637	30669054	Gmdrm	hyper	CHG	0.0513
Gm05	30798083	30798139	Gmdrm	hyper	CHG	0.1587
Gm05	31081294	31081461	Gmdrm	hyper	CHG	0.1655
Gm05	31096579	31096699	Gmdrm	hyper	CHG	0.046
Gm05	31502813	31502878	Gmdrm	hyper	CHG	0.1088
Gm05	31503012	31503367	Gmdrm	hyper	CHG	0.4992
Gm05	31523580	31523753	Gmdrm	hyper	CHG	0.102
Gm05	31644226	31644446	Gmdrm	hyper	CHG	0.052
Gm05	31712691	31712830	Gmdrm	hyper	CHG	0.0475
Gm05	31736943	31736977	Gmdrm	hyper	CHG	0.032
Gm05	31783238	31783464	Gmdrm	hyper	CHG	0.066
Gm05	31835509	31835937	Gmdrm	hyper	CHG	0.0413
Gm05	31873968	31874202	Gmdrm	hyper	CHG	0.4805
Gm05	31892104	31892221	Gmdrm	hyper	CHG	0.04
Gm05	31973615	31973727	Gmdrm	hyper	CHG	0.048
Gm05	32067342	32067553	Gmdrm	hyper	CHG	0.04
Gm05	32129007	32129061	Gmdrm	hyper	CHG	0.04
Gm05	32196672	32196896	Gmdrm	hyper	CHG	0.0592
Gm05	32417657	32417875	Gmdrm	hyper	CHG	0.06
Gm05	32455751	32455981	Gmdrm	hyper	CHG	0.0311
Gm05	32456232	32456516	Gmdrm	hyper	CHG	0.0355
Gm05	32456993	32457328	Gmdrm	hyper	CHG	0.0369
Gm05	32517379	32517551	Gmdrm	hyper	CHG	0.0516
Gm05	32603250	32603362	Gmdrm	hyper	CHG	0.0329
Gm05	32652604	32652776	Gmdrm	hyper	CHG	0.084
Gm05	32655862	32656219	Gmdrm	hyper	CHG	0.095

Gm05	32748357	32748485	Gmdrm	hyper	CHG	0.05
Gm05	32807329	32807882	Gmdrm	hyper	CHG	0.0507
Gm05	32841013	32841691	Gmdrm	hyper	CHG	0.0993
Gm05	32875250	32875350	Gmdrm	hyper	CHG	0.06
Gm05	33066654	33066822	Gmdrm	hyper	CHG	0.098
Gm05	33169357	33169417	Gmdrm	hyper	CHG	0.038
Gm05	33218887	33219082	Gmdrm	hyper	CHG	0.052
Gm05	33410849	33410973	Gmdrm	hyper	CHG	0.092
Gm05	33467409	33467971	Gmdrm	hyper	CHG	0.0291
Gm05	33479038	33479161	Gmdrm	hyper	CHG	0.0483
Gm05	33520330	33520651	Gmdrm	hyper	CHG	0.0317
Gm05	33552855	33553148	Gmdrm	hyper	CHG	0.0357
Gm05	33561643	33561761	Gmdrm	hyper	CHG	0.0478
Gm05	33837648	33837865	Gmdrm	hyper	CHG	0.057
Gm05	33879164	33879427	Gmdrm	hyper	CHG	0.0985
Gm05	34006780	34006985	Gmdrm	hyper	CHG	0.048
Gm05	34060818	34060954	Gmdrm	hyper	CHG	0.04
Gm05	34163286	34163512	Gmdrm	hyper	CHG	0.1
Gm05	34414833	34415211	Gmdrm	hyper	CHG	0.0343
Gm05	34495030	34495366	Gmdrm	hyper	CHG	0.041
Gm05	34510642	34510986	Gmdrm	hyper	CHG	0.0391
Gm05	34561462	34561568	Gmdrm	hyper	CHG	0.355
Gm05	34707564	34707855	Gmdrm	hyper	CHG	0.043
Gm05	34853819	34854020	Gmdrm	hyper	CHG	0.0617
Gm05	34854245	34854410	Gmdrm	hyper	CHG	0.05
Gm05	34921123	34921631	Gmdrm	hyper	CHG	0.0579
Gm05	34974650	34974994	Gmdrm	hyper	CHG	0.0288
Gm05	34984575	34984681	Gmdrm	hyper	CHG	0.052
Gm05	35093506	35093707	Gmdrm	hyper	CHG	0.036
Gm05	35125437	35125734	Gmdrm	hyper	CHG	0.0325
Gm05	35222035	35222201	Gmdrm	hyper	CHG	0.09
Gm05	35305215	35305419	Gmdrm	hyper	CHG	0.038
Gm05	35387797	35387939	Gmdrm	hyper	CHG	0.04
Gm05	35417567	35417700	Gmdrm	hyper	CHG	0.04
Gm05	35430944	35431094	Gmdrm	hyper	CHG	0.0488
Gm05	35442791	35442919	Gmdrm	hyper	CHG	0.03
Gm05	35512276	35512521	Gmdrm	hyper	CHG	0.038
Gm05	35518458	35518678	Gmdrm	hyper	CHG	0.0649
Gm05	35543491	35543801	Gmdrm	hyper	CHG	0.028
Gm05	35544821	35545323	Gmdrm	hyper	CHG	0.0325
Gm05	35584593	35584672	Gmdrm	hyper	CHG	0.06
Gm05	35632754	35632848	Gmdrm	hyper	CHG	0.038
Gm05	35637747	35637965	Gmdrm	hyper	CHG	0.06
Gm05	35744388	35744691	Gmdrm	hyper	CHG	0.0349
Gm05	35801047	35801138	Gmdrm	hyper	CHG	0.1871
Gm05	35817108	35817410	Gmdrm	hyper	CHG	0.0762

Gm05	35929429	35929843	Gmdrm	hyper	CHG	0.0286
Gm05	35982077	35982248	Gmdrm	hyper	CHG	0.042
Gm05	36017436	36017616	Gmdrm	hyper	CHG	0.0326
Gm05	36043236	36043319	Gmdrm	hyper	CHG	0.036
Gm05	36086308	36086378	Gmdrm	hyper	CHG	0.0483
Gm05	36123075	36123279	Gmdrm	hyper	CHG	0.1267
Gm05	36262444	36262609	Gmdrm	hyper	CHG	0.0556
Gm05	36290931	36291019	Gmdrm	hyper	CHG	0.0471
Gm05	36384388	36384533	Gmdrm	hyper	CHG	0.0714
Gm05	36392572	36392814	Gmdrm	hyper	CHG	0.0377
Gm05	36427042	36427217	Gmdrm	hyper	CHG	0.055
Gm05	36513832	36514468	Gmdrm	hyper	CHG	0.0305
Gm05	36583721	36583874	Gmdrm	hyper	CHG	0.065
Gm05	36718055	36718230	Gmdrm	hyper	CHG	0.0338
Gm05	36868156	36868261	Gmdrm	hyper	CHG	0.05
Gm05	36988438	36988584	Gmdrm	hyper	CHG	0.05
Gm05	36995332	36995558	Gmdrm	hyper	CHG	0.06
Gm05	37019073	37019541	Gmdrm	hyper	CHG	0.0434
Gm05	37080409	37080709	Gmdrm	hyper	CHG	0.031
Gm05	37115931	37116029	Gmdrm	hyper	CHG	0.046
Gm05	37130128	37130356	Gmdrm	hyper	CHG	0.054
Gm05	37222632	37222900	Gmdrm	hyper	CHG	0.0575
Gm05	37251959	37252150	Gmdrm	hyper	CHG	0.1
Gm05	37273545	37273665	Gmdrm	hyper	CHG	0.0529
Gm05	37282194	37282371	Gmdrm	hyper	CHG	0.03
Gm05	37326986	37327167	Gmdrm	hyper	CHG	0.0387
Gm05	37343230	37343309	Gmdrm	hyper	CHG	0.044
Gm05	37484321	37484440	Gmdrm	hyper	CHG	0.4467
Gm05	37496843	37497160	Gmdrm	hyper	CHG	0.0642
Gm05	37507006	37507067	Gmdrm	hyper	CHG	0.038
Gm05	37657194	37657300	Gmdrm	hyper	CHG	0.0517
Gm05	38032811	38033355	Gmdrm	hyper	CHG	0.0475
Gm05	38061823	38062028	Gmdrm	hyper	CHG	0.0217
Gm05	38167605	38167803	Gmdrm	hyper	CHG	0.026
Gm05	38274375	38274515	Gmdrm	hyper	CHG	0.054
Gm05	38386014	38386263	Gmdrm	hyper	CHG	0.0386
Gm05	38654112	38654282	Gmdrm	hyper	CHG	0.0314
Gm05	38693192	38693611	Gmdrm	hyper	CHG	0.0378
Gm05	38741050	38741266	Gmdrm	hyper	CHG	0.048
Gm05	39025736	39025812	Gmdrm	hyper	CHG	0.0714
Gm05	39169537	39169732	Gmdrm	hyper	CHG	0.0412
Gm05	39287630	39287843	Gmdrm	hyper	CHG	0.14
Gm05	39320200	39320461	Gmdrm	hyper	CHG	0.05
Gm05	39456081	39456413	Gmdrm	hyper	CHG	0.0427
Gm05	39627890	39628055	Gmdrm	hyper	CHG	0.0571
Gm05	39664432	39664630	Gmdrm	hyper	CHG	0.0475

Gm05	39741754	39741843	Gmdrm	hyper	CHG	0.1
Gm05	39793285	39793361	Gmdrm	hyper	CHG	0.086
Gm05	39837602	39837946	Gmdrm	hyper	CHG	0.0322
Gm05	39942222	39942536	Gmdrm	hyper	CHG	0.0446
Gm05	39943544	39943759	Gmdrm	hyper	CHG	0.038
Gm05	40026202	40026387	Gmdrm	hyper	CHG	0.1534
Gm05	40127865	40128120	Gmdrm	hyper	CHG	0.0612
Gm05	40149972	40150112	Gmdrm	hyper	CHG	0.05
Gm05	40225501	40225719	Gmdrm	hyper	CHG	0.0889
Gm05	40571231	40571710	Gmdrm	hyper	CHG	0.1366
Gm05	40577423	40577583	Gmdrm	hyper	CHG	0.05
Gm05	40616869	40616906	Gmdrm	hyper	CHG	0.05
Gm05	40759436	40759623	Gmdrm	hyper	CHG	0.0533
Gm05	40864510	40864639	Gmdrm	hyper	CHG	0.054
Gm05	41041962	41042361	Gmdrm	hyper	CHG	0.0283
Gm05	41057998	41058249	Gmdrm	hyper	CHG	0.0778
Gm05	41220349	41220448	Gmdrm	hyper	CHG	0.052
Gm05	41298971	41299258	Gmdrm	hyper	CHG	0.0425
Gm05	41436399	41436526	Gmdrm	hyper	CHG	0.048
Gm05	41454277	41454482	Gmdrm	hyper	CHG	0.0471
Gm05	41460531	41460550	Gmdrm	hyper	CHG	0.038
Gm05	41496031	41496084	Gmdrm	hyper	CHG	0.04
Gm05	41533167	41533486	Gmdrm	hyper	CHG	0.0262
Gm05	41558899	41559196	Gmdrm	hyper	CHG	0.044
Gm05	41587105	41587272	Gmdrm	hyper	CHG	0.0343
Gm05	41701435	41701586	Gmdrm	hyper	CHG	0.05
Gm05	41703135	41703324	Gmdrm	hyper	CHG	0.064
Gm05	41739007	41739225	Gmdrm	hyper	CHG	0.0867
Gm05	41765825	41766009	Gmdrm	hyper	CHG	0.114
Gm05	41871958	41872467	Gmdrm	hyper	CHG	0.1295
Gm05	41879612	41879835	Gmdrm	hyper	CHG	0.0617
Gm05	41902400	41902692	Gmdrm	hyper	CHG	0.03
Gm05	41919391	41919690	Gmdrm	hyper	CHG	0.0428
Gm05	41960819	41960867	Gmdrm	hyper	CHG	0.048
Gm05	42062649	42062783	Gmdrm	hyper	CHG	0.044
Gm05	42238706	42239110	Gmdrm	hyper	CHG	0.0534
Gm05_scaffo	1291	1312	Gmdrm	hyper	CHG	0.06
Gm05_scaffo	65357	65570	Gmdrm	hyper	CHG	0.0375
Gm06	34502	34902	Gmdrm	hyper	CHG	0.0422
Gm06	208778	209033	Gmdrm	hyper	CHG	0.0686
Gm06	248660	248950	Gmdrm	hyper	CHG	0.0382
Gm06	363468	363543	Gmdrm	hyper	CHG	0.048
Gm06	413308	413375	Gmdrm	hyper	CHG	0.03
Gm06	620103	620424	Gmdrm	hyper	CHG	0.0477
Gm06	647922	648073	Gmdrm	hyper	CHG	0.059
Gm06	851669	852111	Gmdrm	hyper	CHG	0.043

Gm06	1387941	1388162	Gmdrm	hyper	CHG	0.0686
Gm06	1619989	1620130	Gmdrm	hyper	CHG	0.0338
Gm06	1731681	1732049	Gmdrm	hyper	CHG	0.055
Gm06	1749237	1750037	Gmdrm	hyper	CHG	0.2269
Gm06	1871183	1871400	Gmdrm	hyper	CHG	0.0475
Gm06	1930568	1930811	Gmdrm	hyper	CHG	0.0234
Gm06	1960551	1960914	Gmdrm	hyper	CHG	0.065
Gm06	2055668	2056020	Gmdrm	hyper	CHG	0.0565
Gm06	2229897	2230210	Gmdrm	hyper	CHG	0.3133
Gm06	2230324	2230488	Gmdrm	hyper	CHG	0.1654
Gm06	2263534	2263874	Gmdrm	hyper	CHG	0.0636
Gm06	2404859	2405102	Gmdrm	hyper	CHG	0.048
Gm06	2476802	2476992	Gmdrm	hyper	CHG	0.064
Gm06	2726487	2726541	Gmdrm	hyper	CHG	0.03
Gm06	2989318	2989551	Gmdrm	hyper	CHG	0.056
Gm06	3032317	3032632	Gmdrm	hyper	CHG	0.048
Gm06	3179166	3179242	Gmdrm	hyper	CHG	0.034
Gm06	3269198	3269276	Gmdrm	hyper	CHG	0.038
Gm06	3279221	3279467	Gmdrm	hyper	CHG	0.0371
Gm06	3386404	3386502	Gmdrm	hyper	CHG	0.074
Gm06	3469484	3469879	Gmdrm	hyper	CHG	0.0245
Gm06	3507163	3507256	Gmdrm	hyper	CHG	0.035
Gm06	3589789	3590112	Gmdrm	hyper	CHG	0.0333
Gm06	3645562	3645753	Gmdrm	hyper	CHG	0.0433
Gm06	3725612	3725824	Gmdrm	hyper	CHG	0.09
Gm06	3776388	3776527	Gmdrm	hyper	CHG	0.0329
Gm06	3870487	3870675	Gmdrm	hyper	CHG	0.0533
Gm06	3889108	3889287	Gmdrm	hyper	CHG	0.035
Gm06	3908146	3908232	Gmdrm	hyper	CHG	0.04
Gm06	3915648	3915990	Gmdrm	hyper	CHG	0.0444
Gm06	3917335	3917496	Gmdrm	hyper	CHG	0.0572
Gm06	3939935	3940099	Gmdrm	hyper	CHG	0.0443
Gm06	3999471	3999808	Gmdrm	hyper	CHG	0.0687
Gm06	4062495	4062613	Gmdrm	hyper	CHG	0.0415
Gm06	4116669	4116828	Gmdrm	hyper	CHG	0.046
Gm06	4248459	4248561	Gmdrm	hyper	CHG	0.074
Gm06	4262799	4262959	Gmdrm	hyper	CHG	0.0534
Gm06	4312522	4312653	Gmdrm	hyper	CHG	0.05
Gm06	4355045	4355168	Gmdrm	hyper	CHG	0.056
Gm06	4394587	4394769	Gmdrm	hyper	CHG	0.036
Gm06	4396851	4396907	Gmdrm	hyper	CHG	0.05
Gm06	4590482	4590625	Gmdrm	hyper	CHG	0.0386
Gm06	4590821	4590989	Gmdrm	hyper	CHG	0.0571
Gm06	4618317	4618433	Gmdrm	hyper	CHG	0.056
Gm06	4628919	4629006	Gmdrm	hyper	CHG	0.082
Gm06	4739760	4739965	Gmdrm	hyper	CHG	0.0488

Gm06	4776758	4777015	Gmdrm	hyper	CHG	0.0519
Gm06	4800956	4801063	Gmdrm	hyper	CHG	0.0383
Gm06	5050719	5051048	Gmdrm	hyper	CHG	0.0269
Gm06	5066570	5067037	Gmdrm	hyper	CHG	0.0314
Gm06	5150412	5150587	Gmdrm	hyper	CHG	0.052
Gm06	5338423	5338784	Gmdrm	hyper	CHG	0.0362
Gm06	5698626	5699009	Gmdrm	hyper	CHG	0.0345
Gm06	5750203	5750383	Gmdrm	hyper	CHG	0.0429
Gm06	5773581	5773879	Gmdrm	hyper	CHG	0.0336
Gm06	5890115	5890332	Gmdrm	hyper	CHG	0.046
Gm06	5941844	5942039	Gmdrm	hyper	CHG	0.0333
Gm06	5962794	5962847	Gmdrm	hyper	CHG	0.038
Gm06	6000801	6001058	Gmdrm	hyper	CHG	0.054
Gm06	6181545	6181623	Gmdrm	hyper	CHG	0.116
Gm06	6260018	6260146	Gmdrm	hyper	CHG	0.044
Gm06	6265400	6265596	Gmdrm	hyper	CHG	0.0689
Gm06	6308394	6308668	Gmdrm	hyper	CHG	0.036
Gm06	6330769	6330922	Gmdrm	hyper	CHG	0.04
Gm06	6409725	6409916	Gmdrm	hyper	CHG	0.0857
Gm06	6440090	6440251	Gmdrm	hyper	CHG	0.0438
Gm06	6551025	6551160	Gmdrm	hyper	CHG	0.06
Gm06	6587095	6587238	Gmdrm	hyper	CHG	0.0471
Gm06	6630462	6630990	Gmdrm	hyper	CHG	0.034
Gm06	6703057	6703287	Gmdrm	hyper	CHG	0.0442
Gm06	6925779	6925877	Gmdrm	hyper	CHG	0.0314
Gm06	6978560	6978780	Gmdrm	hyper	CHG	0.04
Gm06	7189869	7190058	Gmdrm	hyper	CHG	0.044
Gm06	7274118	7274327	Gmdrm	hyper	CHG	0.054
Gm06	7459042	7459115	Gmdrm	hyper	CHG	0.0457
Gm06	7526196	7526525	Gmdrm	hyper	CHG	0.0282
Gm06	7553620	7553777	Gmdrm	hyper	CHG	0.0517
Gm06	7584573	7584953	Gmdrm	hyper	CHG	0.0591
Gm06	7602594	7602667	Gmdrm	hyper	CHG	0.0343
Gm06	7633398	7633640	Gmdrm	hyper	CHG	0.599
Gm06	7633765	7634095	Gmdrm	hyper	CHG	0.5917
Gm06	7673655	7673853	Gmdrm	hyper	CHG	0.055
Gm06	7698937	7699030	Gmdrm	hyper	CHG	0.036
Gm06	7908923	7909072	Gmdrm	hyper	CHG	0.0537
Gm06	7978347	7978542	Gmdrm	hyper	CHG	0.0443
Gm06	8032627	8032942	Gmdrm	hyper	CHG	0.0422
Gm06	8407248	8407357	Gmdrm	hyper	CHG	0.04
Gm06	8432104	8432181	Gmdrm	hyper	CHG	0.06
Gm06	8706892	8706920	Gmdrm	hyper	CHG	0.0484
Gm06	8749822	8749973	Gmdrm	hyper	CHG	0.068
Gm06	8867026	8867114	Gmdrm	hyper	CHG	0.0838
Gm06	8980869	8980965	Gmdrm	hyper	CHG	0.0943

Gm06	9040986	9041223	Gmdrm	hyper	CHG	0.0367
Gm06	9067269	9067636	Gmdrm	hyper	CHG	0.0418
Gm06	9092103	9092228	Gmdrm	hyper	CHG	0.032
Gm06	9112970	9113413	Gmdrm	hyper	CHG	0.0375
Gm06	9216597	9216887	Gmdrm	hyper	CHG	0.0417
Gm06	9421596	9421817	Gmdrm	hyper	CHG	0.0515
Gm06	9522380	9522403	Gmdrm	hyper	CHG	0.322
Gm06	9531093	9531319	Gmdrm	hyper	CHG	0.048
Gm06	9589976	9590193	Gmdrm	hyper	CHG	0.0767
Gm06	9685620	9685870	Gmdrm	hyper	CHG	0.0337
Gm06	9759947	9760505	Gmdrm	hyper	CHG	0.0587
Gm06	9793609	9793874	Gmdrm	hyper	CHG	0.0429
Gm06	9972771	9972866	Gmdrm	hyper	CHG	0.04
Gm06	10000606	10000803	Gmdrm	hyper	CHG	0.042
Gm06	10007041	10007296	Gmdrm	hyper	CHG	0.046
Gm06	10041887	10042005	Gmdrm	hyper	CHG	0.0743
Gm06	10069895	10070273	Gmdrm	hyper	CHG	0.0333
Gm06	10176796	10177082	Gmdrm	hyper	CHG	0.0444
Gm06	10293202	10293456	Gmdrm	hyper	CHG	0.0275
Gm06	10300697	10300717	Gmdrm	hyper	CHG	0.055
Gm06	10319769	10319919	Gmdrm	hyper	CHG	0.064
Gm06	10329158	10329274	Gmdrm	hyper	CHG	0.036
Gm06	10347847	10348163	Gmdrm	hyper	CHG	0.0462
Gm06	10373434	10373632	Gmdrm	hyper	CHG	0.1034
Gm06	10388189	10388338	Gmdrm	hyper	CHG	0.025
Gm06	10545538	10545756	Gmdrm	hyper	CHG	0.0366
Gm06	10612714	10612825	Gmdrm	hyper	CHG	0.035
Gm06	10664313	10664425	Gmdrm	hyper	CHG	0.03
Gm06	10815620	10815758	Gmdrm	hyper	CHG	0.055
Gm06	10826335	10826655	Gmdrm	hyper	CHG	0.08
Gm06	10839657	10839964	Gmdrm	hyper	CHG	0.0334
Gm06	10855407	10855720	Gmdrm	hyper	CHG	0.1925
Gm06	10859285	10859713	Gmdrm	hyper	CHG	0.0307
Gm06	10931404	10931844	Gmdrm	hyper	CHG	0.035
Gm06	10953038	10953411	Gmdrm	hyper	CHG	0.025
Gm06	10990959	10991106	Gmdrm	hyper	CHG	0.0357
Gm06	11041956	11042085	Gmdrm	hyper	CHG	0.034
Gm06	11139374	11139470	Gmdrm	hyper	CHG	0.046
Gm06	11300927	11301222	Gmdrm	hyper	CHG	0.0417
Gm06	11317507	11317626	Gmdrm	hyper	CHG	0.0483
Gm06	11436476	11436539	Gmdrm	hyper	CHG	0.1538
Gm06	11503917	11504107	Gmdrm	hyper	CHG	0.124
Gm06	11676239	11676391	Gmdrm	hyper	CHG	0.044
Gm06	11700408	11700729	Gmdrm	hyper	CHG	0.0227
Gm06	11705169	11705299	Gmdrm	hyper	CHG	0.044
Gm06	11712687	11712906	Gmdrm	hyper	CHG	0.0489

Gm06	11791158	11791449	Gmdrm	hyper	CHG	0.0843
Gm06	11848178	11848295	Gmdrm	hyper	CHG	0.268
Gm06	11848783	11849041	Gmdrm	hyper	CHG	0.039
Gm06	11874968	11875062	Gmdrm	hyper	CHG	0.0444
Gm06	12038769	12038960	Gmdrm	hyper	CHG	0.026
Gm06	12071563	12071772	Gmdrm	hyper	CHG	0.0301
Gm06	12120352	12120681	Gmdrm	hyper	CHG	0.1165
Gm06	12121700	12121902	Gmdrm	hyper	CHG	0.2555
Gm06	12258391	12258704	Gmdrm	hyper	CHG	0.0311
Gm06	12335666	12336136	Gmdrm	hyper	CHG	0.05
Gm06	12355388	12355499	Gmdrm	hyper	CHG	0.054
Gm06	12368836	12369135	Gmdrm	hyper	CHG	0.0343
Gm06	12384245	12384399	Gmdrm	hyper	CHG	0.3429
Gm06	12384823	12385045	Gmdrm	hyper	CHG	0.0733
Gm06	12476785	12476903	Gmdrm	hyper	CHG	0.0383
Gm06	12647076	12647129	Gmdrm	hyper	CHG	0.056
Gm06	12649882	12650307	Gmdrm	hyper	CHG	0.0815
Gm06	12802816	12802916	Gmdrm	hyper	CHG	0.0667
Gm06	12840093	12840229	Gmdrm	hyper	CHG	0.1884
Gm06	13041167	13041537	Gmdrm	hyper	CHG	0.035
Gm06	13149530	13149640	Gmdrm	hyper	CHG	0.2273
Gm06	13242081	13242247	Gmdrm	hyper	CHG	0.1072
Gm06	13242364	13242520	Gmdrm	hyper	CHG	0.09
Gm06	13275239	13275490	Gmdrm	hyper	CHG	0.0312
Gm06	13402543	13402674	Gmdrm	hyper	CHG	0.12
Gm06	13677928	13678109	Gmdrm	hyper	CHG	0.052
Gm06	13804728	13805053	Gmdrm	hyper	CHG	0.1056
Gm06	13807707	13807835	Gmdrm	hyper	CHG	0.0584
Gm06	13884333	13884543	Gmdrm	hyper	CHG	0.0467
Gm06	14036470	14036768	Gmdrm	hyper	CHG	0.0583
Gm06	14101721	14101931	Gmdrm	hyper	CHG	0.0286
Gm06	14107805	14107995	Gmdrm	hyper	CHG	0.042
Gm06	14276244	14276550	Gmdrm	hyper	CHG	0.0592
Gm06	14320778	14320952	Gmdrm	hyper	CHG	0.034
Gm06	14385740	14386037	Gmdrm	hyper	CHG	0.034
Gm06	14521481	14521743	Gmdrm	hyper	CHG	0.0643
Gm06	14708652	14708669	Gmdrm	hyper	CHG	0.056
Gm06	14748647	14748818	Gmdrm	hyper	CHG	0.038
Gm06	14815367	14815630	Gmdrm	hyper	CHG	0.055
Gm06	14942530	14942915	Gmdrm	hyper	CHG	0.1475
Gm06	14949351	14949841	Gmdrm	hyper	CHG	0.0338
Gm06	14972437	14972700	Gmdrm	hyper	CHG	0.0267
Gm06	15039801	15039942	Gmdrm	hyper	CHG	0.0383
Gm06	15160089	15160540	Gmdrm	hyper	CHG	0.0611
Gm06	15261445	15261659	Gmdrm	hyper	CHG	0.142
Gm06	15353842	15354277	Gmdrm	hyper	CHG	0.2439

Gm06	15363076	15363583	Gmdrm	hyper	CHG	0.2622
Gm06	15529941	15529964	Gmdrm	hyper	CHG	0.05
Gm06	15549952	15550116	Gmdrm	hyper	CHG	0.0583
Gm06	16088562	16088698	Gmdrm	hyper	CHG	0.054
Gm06	16202482	16202740	Gmdrm	hyper	CHG	0.2595
Gm06	16323693	16323851	Gmdrm	hyper	CHG	0.058
Gm06	16476229	16476969	Gmdrm	hyper	CHG	0.2302
Gm06	16481798	16482358	Gmdrm	hyper	CHG	0.1266
Gm06	16482466	16482952	Gmdrm	hyper	CHG	0.4179
Gm06	16519266	16519397	Gmdrm	hyper	CHG	0.1117
Gm06	16724552	16724963	Gmdrm	hyper	CHG	0.056
Gm06	16751670	16751781	Gmdrm	hyper	CHG	0.042
Gm06	17451397	17451445	Gmdrm	hyper	CHG	0.552
Gm06	17471155	17471209	Gmdrm	hyper	CHG	0.2016
Gm06	17523729	17524062	Gmdrm	hyper	CHG	0.0316
Gm06	17707102	17707177	Gmdrm	hyper	CHG	0.164
Gm06	17709668	17709724	Gmdrm	hyper	CHG	0.292
Gm06	17722842	17723041	Gmdrm	hyper	CHG	0.0514
Gm06	17723960	17724271	Gmdrm	hyper	CHG	0.0358
Gm06	17808283	17808404	Gmdrm	hyper	CHG	0.072
Gm06	17808613	17808742	Gmdrm	hyper	CHG	0.39
Gm06	18142637	18142760	Gmdrm	hyper	CHG	0.04
Gm06	18159186	18159251	Gmdrm	hyper	CHG	0.1617
Gm06	18190508	18190777	Gmdrm	hyper	CHG	0.2533
Gm06	18240141	18240708	Gmdrm	hyper	CHG	0.1639
Gm06	18242545	18242656	Gmdrm	hyper	CHG	0.082
Gm06	18263042	18264000	Gmdrm	hyper	CHG	0.0758
Gm06	18274042	18274270	Gmdrm	hyper	CHG	0.1716
Gm06	18279278	18279742	Gmdrm	hyper	CHG	0.1972
Gm06	18280751	18280841	Gmdrm	hyper	CHG	0.1642
Gm06	18284463	18284701	Gmdrm	hyper	CHG	0.0611
Gm06	18300361	18300777	Gmdrm	hyper	CHG	0.2964
Gm06	18379689	18379954	Gmdrm	hyper	CHG	0.24
Gm06	18394966	18395110	Gmdrm	hyper	CHG	0.0575
Gm06	18404560	18404651	Gmdrm	hyper	CHG	0.2211
Gm06	18640954	18641176	Gmdrm	hyper	CHG	0.07
Gm06	18652535	18652721	Gmdrm	hyper	CHG	0.052
Gm06	18804810	18804908	Gmdrm	hyper	CHG	0.316
Gm06	18854190	18854352	Gmdrm	hyper	CHG	0.082
Gm06	18884625	18884780	Gmdrm	hyper	CHG	0.1933
Gm06	18901467	18901740	Gmdrm	hyper	CHG	0.0421
Gm06	19124402	19124506	Gmdrm	hyper	CHG	0.0283
Gm06	20325052	20325496	Gmdrm	hyper	CHG	0.1661
Gm06	20342511	20342586	Gmdrm	hyper	CHG	0.038
Gm06	20589609	20589740	Gmdrm	hyper	CHG	0.088
Gm06	20817337	20817428	Gmdrm	hyper	CHG	0.05

Gm06	20821984	20822231	Gmdrm	hyper	CHG	0.3389
Gm06	20913653	20913772	Gmdrm	hyper	CHG	0.034
Gm06	20933649	20934040	Gmdrm	hyper	CHG	0.1161
Gm06	21238507	21238758	Gmdrm	hyper	CHG	0.0486
Gm06	21506580	21506816	Gmdrm	hyper	CHG	0.34
Gm06	21666253	21666760	Gmdrm	hyper	CHG	0.0517
Gm06	22446475	22446657	Gmdrm	hyper	CHG	0.0633
Gm06	22920004	22920463	Gmdrm	hyper	CHG	0.0855
Gm06	22991436	22991669	Gmdrm	hyper	CHG	0.1507
Gm06	23431994	23432127	Gmdrm	hyper	CHG	0.052
Gm06	23797762	23798092	Gmdrm	hyper	CHG	0.273
Gm06	23825552	23825661	Gmdrm	hyper	CHG	0.1738
Gm06	23841724	23842714	Gmdrm	hyper	CHG	0.0929
Gm06	24072912	24073055	Gmdrm	hyper	CHG	0.136
Gm06	24516137	24516325	Gmdrm	hyper	CHG	0.3571
Gm06	24661150	24661415	Gmdrm	hyper	CHG	0.27
Gm06	25075985	25076468	Gmdrm	hyper	CHG	0.1678
Gm06	26215141	26216005	Gmdrm	hyper	CHG	0.1621
Gm06	26272888	26273527	Gmdrm	hyper	CHG	0.08
Gm06	26957766	26957811	Gmdrm	hyper	CHG	0.1483
Gm06	27041715	27041870	Gmdrm	hyper	CHG	0.1955
Gm06	27547141	27547261	Gmdrm	hyper	CHG	0.088
Gm06	27762975	27763956	Gmdrm	hyper	CHG	0.0808
Gm06	27777395	27777546	Gmdrm	hyper	CHG	0.178
Gm06	28203388	28203495	Gmdrm	hyper	CHG	0.36
Gm06	28291371	28291503	Gmdrm	hyper	CHG	0.1773
Gm06	28571224	28571346	Gmdrm	hyper	CHG	0.105
Gm06	28745456	28745496	Gmdrm	hyper	CHG	0.3817
Gm06	28870550	28870612	Gmdrm	hyper	CHG	0.3717
Gm06	28979475	28979529	Gmdrm	hyper	CHG	0.048
Gm06	29207407	29207707	Gmdrm	hyper	CHG	0.1174
Gm06	29254342	29254487	Gmdrm	hyper	CHG	0.07
Gm06	29257587	29257691	Gmdrm	hyper	CHG	0.3083
Gm06	29268260	29268404	Gmdrm	hyper	CHG	0.285
Gm06	29413919	29414255	Gmdrm	hyper	CHG	0.0869
Gm06	29843459	29844439	Gmdrm	hyper	CHG	0.1723
Gm06	30392925	30393073	Gmdrm	hyper	CHG	0.4366
Gm06	30740486	30741441	Gmdrm	hyper	CHG	0.0794
Gm06	31212502	31213104	Gmdrm	hyper	CHG	0.145
Gm06	31303792	31303840	Gmdrm	hyper	CHG	0.232
Gm06	31768393	31769200	Gmdrm	hyper	CHG	0.2014
Gm06	31775694	31776330	Gmdrm	hyper	CHG	0.2141
Gm06	31816378	31817071	Gmdrm	hyper	CHG	0.1304
Gm06	31853931	31854616	Gmdrm	hyper	CHG	0.2458
Gm06	31855979	31856556	Gmdrm	hyper	CHG	0.2297
Gm06	31856878	31857153	Gmdrm	hyper	CHG	0.4441

Gm06	31857840	31858205	Gmdrm	hyper	CHG	0.4075
Gm06	31858751	31859479	Gmdrm	hyper	CHG	0.2976
Gm06	31859701	31860662	Gmdrm	hyper	CHG	0.2235
Gm06	31861066	31861300	Gmdrm	hyper	CHG	0.3628
Gm06	31891629	31892597	Gmdrm	hyper	CHG	0.2581
Gm06	31893320	31894310	Gmdrm	hyper	CHG	0.3576
Gm06	31894972	31895592	Gmdrm	hyper	CHG	0.355
Gm06	31899159	31899790	Gmdrm	hyper	CHG	0.3055
Gm06	31901242	31901515	Gmdrm	hyper	CHG	0.2742
Gm06	31930703	31931696	Gmdrm	hyper	CHG	0.1953
Gm06	31931747	31932737	Gmdrm	hyper	CHG	0.1803
Gm06	31932748	31932935	Gmdrm	hyper	CHG	0.4529
Gm06	31933059	31933919	Gmdrm	hyper	CHG	0.1862
Gm06	31934021	31934423	Gmdrm	hyper	CHG	0.2792
Gm06	31937016	31937288	Gmdrm	hyper	CHG	0.3836
Gm06	31937834	31937984	Gmdrm	hyper	CHG	0.332
Gm06	31938107	31939068	Gmdrm	hyper	CHG	0.2016
Gm06	31939654	31940356	Gmdrm	hyper	CHG	0.1433
Gm06	31967070	31967190	Gmdrm	hyper	CHG	0.1738
Gm06	32005866	32006754	Gmdrm	hyper	CHG	0.1154
Gm06	32008407	32009407	Gmdrm	hyper	CHG	0.1104
Gm06	32286542	32286569	Gmdrm	hyper	CHG	0.085
Gm06	32635464	32635566	Gmdrm	hyper	CHG	0.125
Gm06	32765455	32766358	Gmdrm	hyper	CHG	0.1235
Gm06	34100328	34100369	Gmdrm	hyper	CHG	0.19
Gm06	34814248	34814364	Gmdrm	hyper	CHG	0.132
Gm06	35314102	35314289	Gmdrm	hyper	CHG	0.1916
Gm06	35388367	35388679	Gmdrm	hyper	CHG	0.0633
Gm06	35555586	35556046	Gmdrm	hyper	CHG	0.2
Gm06	35609666	35609804	Gmdrm	hyper	CHG	0.2572
Gm06	35697558	35697847	Gmdrm	hyper	CHG	0.2046
Gm06	35703837	35704721	Gmdrm	hyper	CHG	0.0708
Gm06	35706231	35706401	Gmdrm	hyper	CHG	0.1856
Gm06	36632263	36632310	Gmdrm	hyper	CHG	0.097
Gm06	36854178	36854730	Gmdrm	hyper	CHG	0.0186
Gm06	37483642	37483820	Gmdrm	hyper	CHG	0.044
Gm06	37732085	37732252	Gmdrm	hyper	CHG	0.0286
Gm06	38036279	38036508	Gmdrm	hyper	CHG	0.0429
Gm06	38235000	38235242	Gmdrm	hyper	CHG	0.5954
Gm06	38352363	38352433	Gmdrm	hyper	CHG	0.036
Gm06	38443550	38443578	Gmdrm	hyper	CHG	0.21
Gm06	38564016	38564519	Gmdrm	hyper	CHG	0.0687
Gm06	38752457	38752530	Gmdrm	hyper	CHG	0.296
Gm06	38954539	38954802	Gmdrm	hyper	CHG	0.0343
Gm06	39060683	39061221	Gmdrm	hyper	CHG	0.1168
Gm06	39133253	39133366	Gmdrm	hyper	CHG	0.058

Gm06	39160775	39160846	Gmdrm	hyper	CHG	0.0638
Gm06	39163455	39163670	Gmdrm	hyper	CHG	0.046
Gm06	39360365	39360670	Gmdrm	hyper	CHG	0.4136
Gm06	39379878	39379939	Gmdrm	hyper	CHG	0.2967
Gm06	39388418	39388482	Gmdrm	hyper	CHG	0.2286
Gm06	39501215	39501826	Gmdrm	hyper	CHG	0.3286
Gm06	39563925	39564589	Gmdrm	hyper	CHG	0.0273
Gm06	39808892	39809539	Gmdrm	hyper	CHG	0.3439
Gm06	39929632	39929802	Gmdrm	hyper	CHG	0.1967
Gm06	40948397	40948964	Gmdrm	hyper	CHG	0.0695
Gm06	41142726	41142822	Gmdrm	hyper	CHG	0.1243
Gm06	41185433	41185549	Gmdrm	hyper	CHG	0.038
Gm06	41781136	41781249	Gmdrm	hyper	CHG	0.1871
Gm06	41902679	41902985	Gmdrm	hyper	CHG	0.3274
Gm06	41917285	41917408	Gmdrm	hyper	CHG	0.3992
Gm06	41917514	41918112	Gmdrm	hyper	CHG	0.1574
Gm06	41927892	41927932	Gmdrm	hyper	CHG	0.3688
Gm06	41961361	41962048	Gmdrm	hyper	CHG	0.2221
Gm06	41985654	41985743	Gmdrm	hyper	CHG	0.2737
Gm06	42267934	42268026	Gmdrm	hyper	CHG	0.012
Gm06	42285573	42285668	Gmdrm	hyper	CHG	0.0383
Gm06	42325832	42325942	Gmdrm	hyper	CHG	0.263
Gm06	42326480	42327242	Gmdrm	hyper	CHG	0.2284
Gm06	42327375	42328374	Gmdrm	hyper	CHG	0.2629
Gm06	42338524	42339314	Gmdrm	hyper	CHG	0.0622
Gm06	42339687	42340470	Gmdrm	hyper	CHG	0.1041
Gm06	42343217	42343672	Gmdrm	hyper	CHG	0.1431
Gm06	42380819	42381480	Gmdrm	hyper	CHG	0.1839
Gm06	42381588	42382246	Gmdrm	hyper	CHG	0.3595
Gm06	42385169	42385825	Gmdrm	hyper	CHG	0.1203
Gm06	43077695	43077748	Gmdrm	hyper	CHG	0.1837
Gm06	43155253	43155406	Gmdrm	hyper	CHG	0.042
Gm06	43213259	43213435	Gmdrm	hyper	CHG	0.155
Gm06	43222178	43222481	Gmdrm	hyper	CHG	0.239
Gm06	43290257	43290728	Gmdrm	hyper	CHG	0.1639
Gm06	43581799	43581999	Gmdrm	hyper	CHG	0.1308
Gm06	43980848	43981122	Gmdrm	hyper	CHG	0.0529
Gm06	44188549	44188720	Gmdrm	hyper	CHG	0.285
Gm06	44434942	44435215	Gmdrm	hyper	CHG	0.07
Gm06	44435374	44435544	Gmdrm	hyper	CHG	0.2071
Gm06	44561153	44561253	Gmdrm	hyper	CHG	0.225
Gm06	44592134	44592377	Gmdrm	hyper	CHG	0.06
Gm06	44698487	44698742	Gmdrm	hyper	CHG	0.3833
Gm06	44708165	44708236	Gmdrm	hyper	CHG	0.205
Gm06	44711774	44712112	Gmdrm	hyper	CHG	0.0486
Gm06	44784411	44784552	Gmdrm	hyper	CHG	0.287

Gm06	44785871	44785980	Gmdrm	hyper	CHG	0.122
Gm06	44906784	44907303	Gmdrm	hyper	CHG	0.2155
Gm06	44934878	44935293	Gmdrm	hyper	CHG	0.4595
Gm06	44935551	44935975	Gmdrm	hyper	CHG	0.2118
Gm06	44969903	44970279	Gmdrm	hyper	CHG	0.0577
Gm06	45113797	45113895	Gmdrm	hyper	CHG	0.5466
Gm06	45114141	45114251	Gmdrm	hyper	CHG	0.0683
Gm06	45115335	45115746	Gmdrm	hyper	CHG	0.0567
Gm06	45167629	45167800	Gmdrm	hyper	CHG	0.088
Gm06	45273344	45274292	Gmdrm	hyper	CHG	0.1471
Gm06	45282507	45283503	Gmdrm	hyper	CHG	0.325
Gm06	45283548	45283710	Gmdrm	hyper	CHG	0.1633
Gm06	45349985	45350971	Gmdrm	hyper	CHG	0.1795
Gm06	45364724	45365012	Gmdrm	hyper	CHG	0.3286
Gm06	45428248	45428357	Gmdrm	hyper	CHG	0.06
Gm06	45899192	45899351	Gmdrm	hyper	CHG	0.2054
Gm06	45899481	45899699	Gmdrm	hyper	CHG	0.1733
Gm06	45901053	45901361	Gmdrm	hyper	CHG	0.0856
Gm06	45902773	45902922	Gmdrm	hyper	CHG	0.3258
Gm06	46214626	46215000	Gmdrm	hyper	CHG	0.2144
Gm06	46283670	46283862	Gmdrm	hyper	CHG	0.0467
Gm06	46596472	46596750	Gmdrm	hyper	CHG	0.115
Gm06	46646248	46646824	Gmdrm	hyper	CHG	0.1589
Gm06	46648437	46648543	Gmdrm	hyper	CHG	0.239
Gm06	47096462	47096998	Gmdrm	hyper	CHG	0.4697
Gm06	47183371	47183530	Gmdrm	hyper	CHG	0.036
Gm06	47191670	47192033	Gmdrm	hyper	CHG	0.0242
Gm06	47254593	47254625	Gmdrm	hyper	CHG	0.25
Gm06	47272374	47272750	Gmdrm	hyper	CHG	0.3445
Gm06	47375947	47376049	Gmdrm	hyper	CHG	0.7233
Gm06	47442828	47442936	Gmdrm	hyper	CHG	0.0478
Gm06	47650960	47651145	Gmdrm	hyper	CHG	0.0343
Gm06	47751433	47751578	Gmdrm	hyper	CHG	0.036
Gm06	47846879	47847053	Gmdrm	hyper	CHG	0.3651
Gm06	47943269	47943492	Gmdrm	hyper	CHG	0.034
Gm06	48186435	48186567	Gmdrm	hyper	CHG	0.3174
Gm06	48230521	48230605	Gmdrm	hyper	CHG	0.086
Gm06	48506477	48506522	Gmdrm	hyper	CHG	0.046
Gm06	48587321	48587486	Gmdrm	hyper	CHG	0.0614
Gm06	48820651	48820684	Gmdrm	hyper	CHG	0.05
Gm06	49167341	49167828	Gmdrm	hyper	CHG	0.0343
Gm06	49320686	49320890	Gmdrm	hyper	CHG	0.029
Gm06	49350688	49350761	Gmdrm	hyper	CHG	0.0634
Gm06	49421913	49422223	Gmdrm	hyper	CHG	0.0733
Gm06	49587335	49587397	Gmdrm	hyper	CHG	0.06
Gm06	49621977	49622203	Gmdrm	hyper	CHG	0.0227

Gm06	49634056	49634374	Gmdrm	hyper	CHG	0.0573
Gm06	49649470	49649799	Gmdrm	hyper	CHG	0.0701
Gm06	49759958	49760156	Gmdrm	hyper	CHG	0.038
Gm06	49772118	49772253	Gmdrm	hyper	CHG	0.4811
Gm06	49921644	49921933	Gmdrm	hyper	CHG	0.0324
Gm06	49962984	49963226	Gmdrm	hyper	CHG	0.0644
Gm06	50153351	50153550	Gmdrm	hyper	CHG	0.0329
Gm06	50257370	50257570	Gmdrm	hyper	CHG	0.0417
Gm06	50386433	50386536	Gmdrm	hyper	CHG	0.044
Gm06	50416742	50417046	Gmdrm	hyper	CHG	0.3633
Gm06	50504625	50504744	Gmdrm	hyper	CHG	0.044
Gm06	50839510	50839763	Gmdrm	hyper	CHG	0.048
Gm06_scaffo	21777	22012	Gmdrm	hyper	CHG	0.076
Gm06_scaffo	24215	24330	Gmdrm	hyper	CHG	0.04
Gm06_scaffo	59306	60297	Gmdrm	hyper	CHG	0.0643
Gm06_scaffo	74473	74890	Gmdrm	hyper	CHG	0.142
Gm06_scaffo	111766	112727	Gmdrm	hyper	CHG	0.1876
Gm06_scaffo	138810	139254	Gmdrm	hyper	CHG	0.1975
Gm06_scaffo	139538	140517	Gmdrm	hyper	CHG	0.2147
Gm06_scaffo	140550	140785	Gmdrm	hyper	CHG	0.175
Gm06_scaffo	142098	142970	Gmdrm	hyper	CHG	0.1109
Gm06_scaffo	103739	104711	Gmdrm	hyper	CHG	0.1686
Gm07	50148	50424	Gmdrm	hyper	CHG	0.056
Gm07	98086	98212	Gmdrm	hyper	CHG	0.046
Gm07	203768	204276	Gmdrm	hyper	CHG	0.0693
Gm07	288910	289110	Gmdrm	hyper	CHG	0.058
Gm07	313798	313954	Gmdrm	hyper	CHG	0.052
Gm07	398164	398509	Gmdrm	hyper	CHG	0.053
Gm07	856422	856519	Gmdrm	hyper	CHG	0.04
Gm07	861991	862240	Gmdrm	hyper	CHG	0.044
Gm07	920128	920240	Gmdrm	hyper	CHG	0.068
Gm07	1068220	1068349	Gmdrm	hyper	CHG	0.056
Gm07	1113767	1114019	Gmdrm	hyper	CHG	0.0617
Gm07	1199902	1200118	Gmdrm	hyper	CHG	0.0416
Gm07	1288709	1288913	Gmdrm	hyper	CHG	0.0517
Gm07	1439747	1439990	Gmdrm	hyper	CHG	0.0315
Gm07	1440463	1440544	Gmdrm	hyper	CHG	0.0783
Gm07	1676513	1676653	Gmdrm	hyper	CHG	0.06
Gm07	2009385	2009797	Gmdrm	hyper	CHG	0.0611
Gm07	2012869	2013161	Gmdrm	hyper	CHG	0.0867
Gm07	2184916	2185074	Gmdrm	hyper	CHG	0.07
Gm07	2250853	2250932	Gmdrm	hyper	CHG	0.058
Gm07	2333298	2333660	Gmdrm	hyper	CHG	0.0275
Gm07	2341143	2341520	Gmdrm	hyper	CHG	0.0594
Gm07	2360984	2361212	Gmdrm	hyper	CHG	0.06
Gm07	2520359	2520436	Gmdrm	hyper	CHG	0.028

Gm07	2542601	2542735	Gmdrm	hyper	CHG	0.046
Gm07	2717299	2717695	Gmdrm	hyper	CHG	0.3171
Gm07	2731019	2731261	Gmdrm	hyper	CHG	0.0233
Gm07	2745497	2745699	Gmdrm	hyper	CHG	0.0517
Gm07	2777816	2778161	Gmdrm	hyper	CHG	0.0434
Gm07	2803566	2803764	Gmdrm	hyper	CHG	0.0288
Gm07	2837215	2837413	Gmdrm	hyper	CHG	0.06
Gm07	2851876	2851993	Gmdrm	hyper	CHG	0.09
Gm07	2885050	2885465	Gmdrm	hyper	CHG	0.0422
Gm07	2897752	2897944	Gmdrm	hyper	CHG	0.0563
Gm07	2920491	2920772	Gmdrm	hyper	CHG	0.0324
Gm07	2924499	2924694	Gmdrm	hyper	CHG	0.056
Gm07	3059165	3059405	Gmdrm	hyper	CHG	0.057
Gm07	3231366	3231558	Gmdrm	hyper	CHG	0.064
Gm07	3265587	3265674	Gmdrm	hyper	CHG	0.0433
Gm07	3388962	3389153	Gmdrm	hyper	CHG	0.04
Gm07	3438885	3439023	Gmdrm	hyper	CHG	0.0533
Gm07	3480437	3480632	Gmdrm	hyper	CHG	0.08
Gm07	3499410	3500113	Gmdrm	hyper	CHG	0.0626
Gm07	3500567	3500710	Gmdrm	hyper	CHG	0.46
Gm07	3508406	3508604	Gmdrm	hyper	CHG	0.0383
Gm07	3561853	3562165	Gmdrm	hyper	CHG	0.0911
Gm07	3626365	3626472	Gmdrm	hyper	CHG	0.045
Gm07	3880001	3880206	Gmdrm	hyper	CHG	0.0557
Gm07	3899912	3900016	Gmdrm	hyper	CHG	0.0571
Gm07	3908705	3909179	Gmdrm	hyper	CHG	0.0285
Gm07	3953072	3953182	Gmdrm	hyper	CHG	0.058
Gm07	3982171	3982465	Gmdrm	hyper	CHG	0.0286
Gm07	4026192	4026428	Gmdrm	hyper	CHG	0.0422
Gm07	4113628	4113701	Gmdrm	hyper	CHG	0.032
Gm07	4115750	4116077	Gmdrm	hyper	CHG	0.0325
Gm07	4126209	4126425	Gmdrm	hyper	CHG	0.04
Gm07	4211775	4211905	Gmdrm	hyper	CHG	0.068
Gm07	4230516	4230654	Gmdrm	hyper	CHG	0.0583
Gm07	4315920	4316173	Gmdrm	hyper	CHG	0.1245
Gm07	4358344	4358560	Gmdrm	hyper	CHG	0.044
Gm07	4363965	4364044	Gmdrm	hyper	CHG	0.076
Gm07	4605161	4605389	Gmdrm	hyper	CHG	0.046
Gm07	4946438	4946571	Gmdrm	hyper	CHG	0.0583
Gm07	4971572	4971641	Gmdrm	hyper	CHG	0.036
Gm07	5053656	5053996	Gmdrm	hyper	CHG	0.08
Gm07	5076461	5076752	Gmdrm	hyper	CHG	0.0523
Gm07	5330426	5330953	Gmdrm	hyper	CHG	0.0323
Gm07	5366248	5366337	Gmdrm	hyper	CHG	0.024
Gm07	5386047	5386100	Gmdrm	hyper	CHG	0.052
Gm07	5664458	5664671	Gmdrm	hyper	CHG	0.03

Gm07	5965566	5965722	Gmdrm	hyper	CHG	0.13
Gm07	6012295	6012410	Gmdrm	hyper	CHG	0.238
Gm07	6046902	6047069	Gmdrm	hyper	CHG	0.0243
Gm07	6050581	6050845	Gmdrm	hyper	CHG	0.0477
Gm07	6152828	6152977	Gmdrm	hyper	CHG	0.034
Gm07	6205035	6206019	Gmdrm	hyper	CHG	0.1379
Gm07	6206064	6206996	Gmdrm	hyper	CHG	0.1659
Gm07	6266879	6267330	Gmdrm	hyper	CHG	0.0364
Gm07	6272601	6272880	Gmdrm	hyper	CHG	0.3556
Gm07	6295188	6295356	Gmdrm	hyper	CHG	0.05
Gm07	6362421	6362540	Gmdrm	hyper	CHG	0.0617
Gm07	6466450	6466613	Gmdrm	hyper	CHG	0.049
Gm07	6628494	6628652	Gmdrm	hyper	CHG	0.0528
Gm07	6740172	6740384	Gmdrm	hyper	CHG	0.0938
Gm07	6804411	6804547	Gmdrm	hyper	CHG	0.064
Gm07	6881757	6881926	Gmdrm	hyper	CHG	0.075
Gm07	6913936	6913992	Gmdrm	hyper	CHG	0.0433
Gm07	6947893	6948065	Gmdrm	hyper	CHG	0.0983
Gm07	6962895	6963254	Gmdrm	hyper	CHG	0.1088
Gm07	6968295	6968339	Gmdrm	hyper	CHG	0.2767
Gm07	6990415	6991108	Gmdrm	hyper	CHG	0.1153
Gm07	7053643	7054103	Gmdrm	hyper	CHG	0.3804
Gm07	7203175	7203344	Gmdrm	hyper	CHG	0.0417
Gm07	7252527	7252671	Gmdrm	hyper	CHG	0.0222
Gm07	7348047	7348888	Gmdrm	hyper	CHG	0.2217
Gm07	7403770	7403868	Gmdrm	hyper	CHG	0.1328
Gm07	7449430	7449601	Gmdrm	hyper	CHG	0.065
Gm07	7711734	7711798	Gmdrm	hyper	CHG	0.12
Gm07	7745437	7745662	Gmdrm	hyper	CHG	0.044
Gm07	7764034	7764229	Gmdrm	hyper	CHG	0.0289
Gm07	7879018	7879396	Gmdrm	hyper	CHG	0.0415
Gm07	7968424	7968735	Gmdrm	hyper	CHG	0.0387
Gm07	7978683	7978781	Gmdrm	hyper	CHG	0.042
Gm07	8023334	8023404	Gmdrm	hyper	CHG	0.309
Gm07	8100319	8100525	Gmdrm	hyper	CHG	0.05
Gm07	8111177	8111645	Gmdrm	hyper	CHG	0.065
Gm07	8170567	8170802	Gmdrm	hyper	CHG	0.219
Gm07	8272550	8272795	Gmdrm	hyper	CHG	0.0378
Gm07	8490888	8491132	Gmdrm	hyper	CHG	0.0386
Gm07	8552324	8552741	Gmdrm	hyper	CHG	0.0428
Gm07	8691054	8691350	Gmdrm	hyper	CHG	0.2854
Gm07	8691459	8691539	Gmdrm	hyper	CHG	0.114
Gm07	8719452	8719639	Gmdrm	hyper	CHG	0.4075
Gm07	8736046	8736176	Gmdrm	hyper	CHG	0.126
Gm07	8794763	8794989	Gmdrm	hyper	CHG	0.33
Gm07	8918377	8918468	Gmdrm	hyper	CHG	0.1911

Gm07	9123085	9123138	Gmdrm	hyper	CHG	0.046
Gm07	9232116	9232254	Gmdrm	hyper	CHG	0.045
Gm07	9251278	9251497	Gmdrm	hyper	CHG	0.044
Gm07	9289180	9289682	Gmdrm	hyper	CHG	0.2806
Gm07	9375512	9375695	Gmdrm	hyper	CHG	0.0325
Gm07	9392519	9392639	Gmdrm	hyper	CHG	0.042
Gm07	9494016	9494237	Gmdrm	hyper	CHG	0.1707
Gm07	9705441	9705764	Gmdrm	hyper	CHG	0.0289
Gm07	9755969	9756376	Gmdrm	hyper	CHG	0.0189
Gm07	10166684	10166945	Gmdrm	hyper	CHG	0.0686
Gm07	10291382	10292095	Gmdrm	hyper	CHG	0.0749
Gm07	10496696	10496766	Gmdrm	hyper	CHG	0.09
Gm07	10528353	10528553	Gmdrm	hyper	CHG	0.0336
Gm07	10535059	10535242	Gmdrm	hyper	CHG	0.042
Gm07	10547656	10547818	Gmdrm	hyper	CHG	0.054
Gm07	10770977	10771210	Gmdrm	hyper	CHG	0.0328
Gm07	11196026	11196227	Gmdrm	hyper	CHG	0.0288
Gm07	11393257	11393984	Gmdrm	hyper	CHG	0.6445
Gm07	11394200	11394330	Gmdrm	hyper	CHG	0.355
Gm07	11432673	11432901	Gmdrm	hyper	CHG	0.038
Gm07	11462151	11462204	Gmdrm	hyper	CHG	0.1217
Gm07	11778136	11778778	Gmdrm	hyper	CHG	0.0816
Gm07	11817636	11817776	Gmdrm	hyper	CHG	0.3688
Gm07	11852451	11853169	Gmdrm	hyper	CHG	0.1212
Gm07	11870969	11871170	Gmdrm	hyper	CHG	0.24
Gm07	11874022	11874162	Gmdrm	hyper	CHG	0.197
Gm07	11908402	11908546	Gmdrm	hyper	CHG	0.036
Gm07	11988175	11988212	Gmdrm	hyper	CHG	0.29
Gm07	12259393	12259558	Gmdrm	hyper	CHG	0.04
Gm07	12558980	12559128	Gmdrm	hyper	CHG	0.0357
Gm07	12627869	12628108	Gmdrm	hyper	CHG	0.2606
Gm07	12674240	12674582	Gmdrm	hyper	CHG	0.2488
Gm07	12911596	12911861	Gmdrm	hyper	CHG	0.056
Gm07	12977861	12978035	Gmdrm	hyper	CHG	0.038
Gm07	13017428	13017535	Gmdrm	hyper	CHG	0.1031
Gm07	13044081	13044221	Gmdrm	hyper	CHG	0.038
Gm07	13194231	13194507	Gmdrm	hyper	CHG	0.8187
Gm07	13194611	13194716	Gmdrm	hyper	CHG	0.7486
Gm07	13194884	13195125	Gmdrm	hyper	CHG	0.8807
Gm07	13195233	13196227	Gmdrm	hyper	CHG	0.8193
Gm07	13196293	13196544	Gmdrm	hyper	CHG	0.8255
Gm07	13196673	13196893	Gmdrm	hyper	CHG	0.6457
Gm07	13374313	13374375	Gmdrm	hyper	CHG	0.084
Gm07	13642803	13643105	Gmdrm	hyper	CHG	0.0463
Gm07	13787608	13787701	Gmdrm	hyper	CHG	0.1984
Gm07	13951925	13952121	Gmdrm	hyper	CHG	0.0714

Gm07	13994371	13994559	Gmdrm	hyper	CHG	0.4416
Gm07	14304514	14304683	Gmdrm	hyper	CHG	0.05
Gm07	14376710	14376766	Gmdrm	hyper	CHG	0.112
Gm07	14504141	14504208	Gmdrm	hyper	CHG	0.2267
Gm07	14509858	14510177	Gmdrm	hyper	CHG	0.0336
Gm07	14650848	14651123	Gmdrm	hyper	CHG	0.029
Gm07	14691219	14691333	Gmdrm	hyper	CHG	0.074
Gm07	14774822	14774974	Gmdrm	hyper	CHG	0.3631
Gm07	14826404	14826785	Gmdrm	hyper	CHG	0.0537
Gm07	14894952	14895008	Gmdrm	hyper	CHG	0.038
Gm07	15076414	15076586	Gmdrm	hyper	CHG	0.06
Gm07	15181518	15181770	Gmdrm	hyper	CHG	0.0367
Gm07	15252130	15252336	Gmdrm	hyper	CHG	0.048
Gm07	15331780	15331926	Gmdrm	hyper	CHG	0.1871
Gm07	15380614	15380782	Gmdrm	hyper	CHG	0.052
Gm07	15469598	15469813	Gmdrm	hyper	CHG	0.08
Gm07	15509054	15510050	Gmdrm	hyper	CHG	0.2785
Gm07	15510278	15510427	Gmdrm	hyper	CHG	0.605
Gm07	15616746	15616907	Gmdrm	hyper	CHG	0.07
Gm07	15799526	15799623	Gmdrm	hyper	CHG	0.052
Gm07	16038033	16038277	Gmdrm	hyper	CHG	0.0414
Gm07	16169674	16169689	Gmdrm	hyper	CHG	0.05
Gm07	16290468	16290547	Gmdrm	hyper	CHG	0.375
Gm07	16295776	16295972	Gmdrm	hyper	CHG	0.1573
Gm07	16320224	16320581	Gmdrm	hyper	CHG	0.0361
Gm07	16377060	16377245	Gmdrm	hyper	CHG	0.0514
Gm07	16501701	16502685	Gmdrm	hyper	CHG	0.0898
Gm07	16596247	16596465	Gmdrm	hyper	CHG	0.038
Gm07	16646099	16646904	Gmdrm	hyper	CHG	0.128
Gm07	16648077	16649073	Gmdrm	hyper	CHG	0.0558
Gm07	16750664	16750811	Gmdrm	hyper	CHG	0.3072
Gm07	17120800	17120834	Gmdrm	hyper	CHG	0.07
Gm07	17126977	17127169	Gmdrm	hyper	CHG	0.0578
Gm07	17337825	17337939	Gmdrm	hyper	CHG	0.032
Gm07	17380591	17380713	Gmdrm	hyper	CHG	0.0415
Gm07	17510201	17510421	Gmdrm	hyper	CHG	0.17
Gm07	17635508	17635643	Gmdrm	hyper	CHG	0.3008
Gm07	17636282	17637119	Gmdrm	hyper	CHG	0.1914
Gm07	17637448	17638030	Gmdrm	hyper	CHG	0.3128
Gm07	17638529	17639515	Gmdrm	hyper	CHG	0.1508
Gm07	17639784	17640695	Gmdrm	hyper	CHG	0.1857
Gm07	17640816	17641215	Gmdrm	hyper	CHG	0.2276
Gm07	17641504	17641577	Gmdrm	hyper	CHG	0.126
Gm07	17641686	17642156	Gmdrm	hyper	CHG	0.1926
Gm07	17642276	17642493	Gmdrm	hyper	CHG	0.207
Gm07	17643226	17644226	Gmdrm	hyper	CHG	0.082

Gm07	17667704	17667901	Gmdrm	hyper	CHG	0.0334
Gm07	17859286	17859833	Gmdrm	hyper	CHG	0.3201
Gm07	18031543	18031747	Gmdrm	hyper	CHG	0.2022
Gm07	18332799	18333161	Gmdrm	hyper	CHG	0.1562
Gm07	18366690	18366973	Gmdrm	hyper	CHG	0.03
Gm07	18428636	18429463	Gmdrm	hyper	CHG	0.2077
Gm07	18432675	18433072	Gmdrm	hyper	CHG	0.4755
Gm07	18463908	18464261	Gmdrm	hyper	CHG	0.1745
Gm07	18465187	18465272	Gmdrm	hyper	CHG	0.1767
Gm07	18796714	18797102	Gmdrm	hyper	CHG	0.2331
Gm07	18797421	18797645	Gmdrm	hyper	CHG	0.1764
Gm07	18824943	18825235	Gmdrm	hyper	CHG	0.1025
Gm07	18834693	18834797	Gmdrm	hyper	CHG	0.095
Gm07	19003778	19004754	Gmdrm	hyper	CHG	0.1073
Gm07	19083112	19083253	Gmdrm	hyper	CHG	0.044
Gm07	19360155	19360179	Gmdrm	hyper	CHG	0.124
Gm07	19389835	19390257	Gmdrm	hyper	CHG	0.038
Gm07	19518792	19518940	Gmdrm	hyper	CHG	0.15
Gm07	19581712	19581885	Gmdrm	hyper	CHG	0.05
Gm07	20114833	20115118	Gmdrm	hyper	CHG	0.155
Gm07	20673949	20673985	Gmdrm	hyper	CHG	0.2067
Gm07	20874272	20874323	Gmdrm	hyper	CHG	0.0733
Gm07	20946349	20946616	Gmdrm	hyper	CHG	0.3623
Gm07	21565199	21565281	Gmdrm	hyper	CHG	0.078
Gm07	21576329	21576641	Gmdrm	hyper	CHG	0.3984
Gm07	21686119	21686297	Gmdrm	hyper	CHG	0.058
Gm07	22329985	22330858	Gmdrm	hyper	CHG	0.1631
Gm07	22427169	22427821	Gmdrm	hyper	CHG	0.1493
Gm07	22627388	22627626	Gmdrm	hyper	CHG	0.1207
Gm07	22741087	22741440	Gmdrm	hyper	CHG	0.1493
Gm07	22758200	22758360	Gmdrm	hyper	CHG	0.0458
Gm07	22878049	22879024	Gmdrm	hyper	CHG	0.1275
Gm07	23270521	23270612	Gmdrm	hyper	CHG	0.188
Gm07	24178341	24178405	Gmdrm	hyper	CHG	0.25
Gm07	24227179	24227225	Gmdrm	hyper	CHG	0.1734
Gm07	24922614	24922829	Gmdrm	hyper	CHG	0.11
Gm07	25060618	25060700	Gmdrm	hyper	CHG	0.2684
Gm07	25088922	25089309	Gmdrm	hyper	CHG	0.1532
Gm07	25549377	25550321	Gmdrm	hyper	CHG	0.14
Gm07	25550409	25550518	Gmdrm	hyper	CHG	0.846
Gm07	25550652	25550942	Gmdrm	hyper	CHG	0.7797
Gm07	25551061	25551277	Gmdrm	hyper	CHG	0.7947
Gm07	25555310	25556287	Gmdrm	hyper	CHG	0.2173
Gm07	25761716	25761808	Gmdrm	hyper	CHG	0.2866
Gm07	25929646	25929960	Gmdrm	hyper	CHG	0.2275
Gm07	26144175	26144738	Gmdrm	hyper	CHG	0.1259

Gm07	26701363	26701955	Gmdrm	hyper	CHG	0.1346
Gm07	26977598	26977673	Gmdrm	hyper	CHG	0.25
Gm07	27097599	27097753	Gmdrm	hyper	CHG	0.3483
Gm07	27116168	27116410	Gmdrm	hyper	CHG	0.8831
Gm07	27123592	27123683	Gmdrm	hyper	CHG	0.4013
Gm07	27176811	27177003	Gmdrm	hyper	CHG	0.3184
Gm07	27532736	27532810	Gmdrm	hyper	CHG	0.3383
Gm07	28286476	28286528	Gmdrm	hyper	CHG	0.036
Gm07	28528641	28528732	Gmdrm	hyper	CHG	0.0371
Gm07	28531616	28531702	Gmdrm	hyper	CHG	0.3225
Gm07	28563734	28563784	Gmdrm	hyper	CHG	0.048
Gm07	28650992	28651131	Gmdrm	hyper	CHG	0.082
Gm07	28662356	28662541	Gmdrm	hyper	CHG	0.297
Gm07	28909461	28909500	Gmdrm	hyper	CHG	0.505
Gm07	29410779	29410990	Gmdrm	hyper	CHG	0.06
Gm07	29424314	29424461	Gmdrm	hyper	CHG	0.15
Gm07	29828691	29828736	Gmdrm	hyper	CHG	0.0325
Gm07	30066304	30066398	Gmdrm	hyper	CHG	0.2037
Gm07	30204994	30205601	Gmdrm	hyper	CHG	0.1021
Gm07	30282108	30282343	Gmdrm	hyper	CHG	0.3206
Gm07	30401282	30401644	Gmdrm	hyper	CHG	0.522
Gm07	30401831	30401893	Gmdrm	hyper	CHG	0.82
Gm07	31262206	31262486	Gmdrm	hyper	CHG	0.1445
Gm07	31347366	31347571	Gmdrm	hyper	CHG	0.0727
Gm07	31846766	31847129	Gmdrm	hyper	CHG	0.2431
Gm07	32016738	32016827	Gmdrm	hyper	CHG	0.31
Gm07	32591405	32591698	Gmdrm	hyper	CHG	0.2073
Gm07	32877990	32878118	Gmdrm	hyper	CHG	0.1837
Gm07	33125519	33125652	Gmdrm	hyper	CHG	0.1133
Gm07	33184230	33184379	Gmdrm	hyper	CHG	0.066
Gm07	33365559	33365691	Gmdrm	hyper	CHG	0.412
Gm07	33709325	33709581	Gmdrm	hyper	CHG	0.2253
Gm07	34532118	34532213	Gmdrm	hyper	CHG	0.064
Gm07	34548823	34548925	Gmdrm	hyper	CHG	0.1258
Gm07	34692186	34692221	Gmdrm	hyper	CHG	0.1117
Gm07	35089669	35089723	Gmdrm	hyper	CHG	0.1
Gm07	35337774	35337902	Gmdrm	hyper	CHG	0.046
Gm07	35350506	35350804	Gmdrm	hyper	CHG	0.04
Gm07	35566367	35566487	Gmdrm	hyper	CHG	0.0555
Gm07	35567966	35568335	Gmdrm	hyper	CHG	0.0545
Gm07	35844525	35844908	Gmdrm	hyper	CHG	0.0386
Gm07	35873870	35874318	Gmdrm	hyper	CHG	0.1904
Gm07	36107191	36107387	Gmdrm	hyper	CHG	0.054
Gm07	36206928	36207171	Gmdrm	hyper	CHG	0.1
Gm07	36373830	36373985	Gmdrm	hyper	CHG	0.0743
Gm07	36378705	36378839	Gmdrm	hyper	CHG	0.055

Gm07	36495803	36496343	Gmdrm	hyper	CHG	0.2638
Gm07	36764762	36764998	Gmdrm	hyper	CHG	0.0817
Gm07	36844650	36844757	Gmdrm	hyper	CHG	0.056
Gm07	36864405	36864721	Gmdrm	hyper	CHG	0.0508
Gm07	36919589	36919819	Gmdrm	hyper	CHG	0.0771
Gm07	37181668	37181921	Gmdrm	hyper	CHG	0.067
Gm07	37430003	37430168	Gmdrm	hyper	CHG	0.026
Gm07	37547476	37547762	Gmdrm	hyper	CHG	0.0344
Gm07	37704295	37704351	Gmdrm	hyper	CHG	0.062
Gm07	37925007	37925331	Gmdrm	hyper	CHG	0.1069
Gm07	37926079	37926214	Gmdrm	hyper	CHG	0.0799
Gm07	38022156	38022333	Gmdrm	hyper	CHG	0.183
Gm07	38066626	38066776	Gmdrm	hyper	CHG	0.2462
Gm07	38155187	38155210	Gmdrm	hyper	CHG	0.524
Gm07	38197340	38197596	Gmdrm	hyper	CHG	0.0557
Gm07	38375106	38375479	Gmdrm	hyper	CHG	0.51
Gm07	38409837	38410049	Gmdrm	hyper	CHG	0.034
Gm07	38413179	38413372	Gmdrm	hyper	CHG	0.0367
Gm07	38534453	38534691	Gmdrm	hyper	CHG	0.492
Gm07	38551672	38551846	Gmdrm	hyper	CHG	0.0983
Gm07	38573285	38573902	Gmdrm	hyper	CHG	0.387
Gm07	38625040	38625260	Gmdrm	hyper	CHG	0.0572
Gm07	38677273	38677409	Gmdrm	hyper	CHG	0.08
Gm07	38716820	38717284	Gmdrm	hyper	CHG	0.195
Gm07	38764677	38764693	Gmdrm	hyper	CHG	0.048
Gm07	38765490	38765771	Gmdrm	hyper	CHG	0.0413
Gm07	38940757	38940884	Gmdrm	hyper	CHG	0.06
Gm07	39006711	39006753	Gmdrm	hyper	CHG	0.468
Gm07	39033752	39034171	Gmdrm	hyper	CHG	0.0337
Gm07	39337547	39337893	Gmdrm	hyper	CHG	0.0627
Gm07	39661507	39661656	Gmdrm	hyper	CHG	0.092
Gm07	39771306	39771912	Gmdrm	hyper	CHG	0.2686
Gm07	39915756	39915849	Gmdrm	hyper	CHG	0.125
Gm07	40168973	40169091	Gmdrm	hyper	CHG	0.5375
Gm07	40214106	40214165	Gmdrm	hyper	CHG	0.0683
Gm07	40217510	40217713	Gmdrm	hyper	CHG	0.05
Gm07	40231758	40232048	Gmdrm	hyper	CHG	0.0517
Gm07	40441183	40441362	Gmdrm	hyper	CHG	0.0784
Gm07	40485035	40485204	Gmdrm	hyper	CHG	0.116
Gm07	40495753	40495916	Gmdrm	hyper	CHG	0.4345
Gm07	40499007	40499188	Gmdrm	hyper	CHG	0.128
Gm07	40515180	40515657	Gmdrm	hyper	CHG	0.0493
Gm07	40545823	40546028	Gmdrm	hyper	CHG	0.0325
Gm07	40648371	40648770	Gmdrm	hyper	CHG	0.0372
Gm07	40649353	40649581	Gmdrm	hyper	CHG	0.0457
Gm07	41283970	41284100	Gmdrm	hyper	CHG	0.0533

Gm07	41292907	41293063	Gmdrm	hyper	CHG	0.5411
Gm07	41380295	41380447	Gmdrm	hyper	CHG	0.23
Gm07	41597606	41597935	Gmdrm	hyper	CHG	0.0478
Gm07	41715291	41715501	Gmdrm	hyper	CHG	0.0733
Gm07	41758852	41758940	Gmdrm	hyper	CHG	0.4658
Gm07	41812507	41812565	Gmdrm	hyper	CHG	0.052
Gm07	41830084	41830363	Gmdrm	hyper	CHG	0.0386
Gm07	41849921	41850105	Gmdrm	hyper	CHG	0.04
Gm07	41906155	41906343	Gmdrm	hyper	CHG	0.0533
Gm07	41925614	41925892	Gmdrm	hyper	CHG	0.0992
Gm07	41995057	41995212	Gmdrm	hyper	CHG	0.0667
Gm07	42020605	42020823	Gmdrm	hyper	CHG	0.5853
Gm07	42186738	42186948	Gmdrm	hyper	CHG	0.07
Gm07	42240926	42240976	Gmdrm	hyper	CHG	0.074
Gm07	42312243	42312822	Gmdrm	hyper	CHG	0.2168
Gm07	42508261	42508376	Gmdrm	hyper	CHG	0.044
Gm07	42512465	42512557	Gmdrm	hyper	CHG	0.04
Gm07	42548845	42549436	Gmdrm	hyper	CHG	0.2022
Gm07	42764595	42764745	Gmdrm	hyper	CHG	0.0366
Gm07	42780892	42781053	Gmdrm	hyper	CHG	0.064
Gm07	42781219	42781289	Gmdrm	hyper	CHG	0.038
Gm07	42783046	42783089	Gmdrm	hyper	CHG	0.06
Gm07	42805869	42805922	Gmdrm	hyper	CHG	0.048
Gm07	42823977	42824090	Gmdrm	hyper	CHG	0.1384
Gm07	43106790	43106851	Gmdrm	hyper	CHG	0.0583
Gm07	43128412	43128712	Gmdrm	hyper	CHG	0.0467
Gm07	43161696	43161913	Gmdrm	hyper	CHG	0.0611
Gm07	43296043	43296232	Gmdrm	hyper	CHG	0.0528
Gm07	43335894	43336361	Gmdrm	hyper	CHG	0.0625
Gm07	43436134	43436304	Gmdrm	hyper	CHG	0.042
Gm07	43497085	43497157	Gmdrm	hyper	CHG	0.06
Gm07	43509582	43509638	Gmdrm	hyper	CHG	0.096
Gm07	43591994	43592082	Gmdrm	hyper	CHG	0.1063
Gm07	43742362	43742511	Gmdrm	hyper	CHG	0.0257
Gm07	43875251	43875426	Gmdrm	hyper	CHG	0.0362
Gm07	43884032	43884092	Gmdrm	hyper	CHG	0.056
Gm07	43986090	43986280	Gmdrm	hyper	CHG	0.0667
Gm07	44176049	44176468	Gmdrm	hyper	CHG	0.0744
Gm07	44203899	44204133	Gmdrm	hyper	CHG	0.0456
Gm07	44209139	44209266	Gmdrm	hyper	CHG	0.0429
Gm07	44237780	44237912	Gmdrm	hyper	CHG	0.05
Gm07	44247064	44247266	Gmdrm	hyper	CHG	0.038
Gm07	44254540	44254632	Gmdrm	hyper	CHG	0.0567
Gm07	44394691	44394837	Gmdrm	hyper	CHG	0.054
Gm07	44466601	44467173	Gmdrm	hyper	CHG	0.0379
Gm07	44509381	44509670	Gmdrm	hyper	CHG	0.0282

Gm07	44558645	44559070	Gmdrm	hyper	CHG	0.0323
Gm07	44568682	44568831	Gmdrm	hyper	CHG	0.1083
Gm07	44623875	44624013	Gmdrm	hyper	CHG	0.046
Gm07	44624792	44625090	Gmdrm	hyper	CHG	0.0572
Gm07	44656319	44656537	Gmdrm	hyper	CHG	0.058
Gm07	44701499	44701619	Gmdrm	hyper	CHG	0.024
Gm07	44828053	44828649	Gmdrm	hyper	CHG	0.0311
Gm07	44852546	44852788	Gmdrm	hyper	CHG	0.0455
Gm07	44912863	44913107	Gmdrm	hyper	CHG	0.066
Gm07	44913830	44914005	Gmdrm	hyper	CHG	0.395
Gm08	17602	17919	Gmdrm	hyper	CHG	0.3204
Gm08	21856	22458	Gmdrm	hyper	CHG	0.2705
Gm08	29825	29950	Gmdrm	hyper	CHG	0.1889
Gm08	111197	111555	Gmdrm	hyper	CHG	0.0282
Gm08	320630	320763	Gmdrm	hyper	CHG	0.044
Gm08	425951	426116	Gmdrm	hyper	CHG	0.0312
Gm08	543365	543513	Gmdrm	hyper	CHG	0.07
Gm08	691508	691623	Gmdrm	hyper	CHG	0.0333
Gm08	728426	728643	Gmdrm	hyper	CHG	0.044
Gm08	821738	822725	Gmdrm	hyper	CHG	0.2443
Gm08	865832	866021	Gmdrm	hyper	CHG	0.056
Gm08	923464	923621	Gmdrm	hyper	CHG	0.0625
Gm08	935385	935467	Gmdrm	hyper	CHG	0.0266
Gm08	979483	979649	Gmdrm	hyper	CHG	0.0467
Gm08	984176	984333	Gmdrm	hyper	CHG	0.0388
Gm08	1018298	1018355	Gmdrm	hyper	CHG	0.09
Gm08	1088559	1088612	Gmdrm	hyper	CHG	0.054
Gm08	1230670	1230840	Gmdrm	hyper	CHG	0.04
Gm08	1252239	1252390	Gmdrm	hyper	CHG	0.0882
Gm08	1331161	1331557	Gmdrm	hyper	CHG	0.0414
Gm08	1368276	1368374	Gmdrm	hyper	CHG	0.032
Gm08	1584959	1585154	Gmdrm	hyper	CHG	0.4134
Gm08	1585292	1585576	Gmdrm	hyper	CHG	0.19
Gm08	1613957	1614096	Gmdrm	hyper	CHG	0.14
Gm08	1700936	1701154	Gmdrm	hyper	CHG	0.0567
Gm08	1710927	1711150	Gmdrm	hyper	CHG	0.0457
Gm08	1763168	1763475	Gmdrm	hyper	CHG	0.0638
Gm08	1771303	1771588	Gmdrm	hyper	CHG	0.0483
Gm08	1800114	1800277	Gmdrm	hyper	CHG	0.0362
Gm08	1805428	1805807	Gmdrm	hyper	CHG	0.0314
Gm08	1818596	1818752	Gmdrm	hyper	CHG	0.038
Gm08	1827628	1827791	Gmdrm	hyper	CHG	0.0389
Gm08	1864968	1865246	Gmdrm	hyper	CHG	0.0328
Gm08	1917042	1917200	Gmdrm	hyper	CHG	0.054
Gm08	1965559	1965819	Gmdrm	hyper	CHG	0.0462
Gm08	2033202	2033500	Gmdrm	hyper	CHG	0.0467

Gm08	2112137	2112277	Gmdrm	hyper	CHG	0.062
Gm08	2119866	2120411	Gmdrm	hyper	CHG	0.225
Gm08	2163241	2163416	Gmdrm	hyper	CHG	0.0633
Gm08	2175726	2175996	Gmdrm	hyper	CHG	0.04
Gm08	2240354	2240419	Gmdrm	hyper	CHG	0.055
Gm08	2330226	2330363	Gmdrm	hyper	CHG	0.04
Gm08	2339908	2340121	Gmdrm	hyper	CHG	0.046
Gm08	2452260	2452360	Gmdrm	hyper	CHG	0.0617
Gm08	2489137	2489284	Gmdrm	hyper	CHG	0.088
Gm08	2736467	2736704	Gmdrm	hyper	CHG	0.056
Gm08	2742640	2742838	Gmdrm	hyper	CHG	0.072
Gm08	2796913	2797152	Gmdrm	hyper	CHG	0.0445
Gm08	2820850	2821048	Gmdrm	hyper	CHG	0.0372
Gm08	3061752	3061829	Gmdrm	hyper	CHG	0.1072
Gm08	3092665	3092840	Gmdrm	hyper	CHG	0.044
Gm08	3112063	3112221	Gmdrm	hyper	CHG	0.04
Gm08	3129139	3129599	Gmdrm	hyper	CHG	0.0318
Gm08	3154789	3154913	Gmdrm	hyper	CHG	0.062
Gm08	3158985	3159161	Gmdrm	hyper	CHG	0.058
Gm08	3164289	3164336	Gmdrm	hyper	CHG	0.046
Gm08	3264445	3264660	Gmdrm	hyper	CHG	0.0623
Gm08	3327279	3327661	Gmdrm	hyper	CHG	0.04
Gm08	3408110	3408224	Gmdrm	hyper	CHG	0.042
Gm08	3614010	3614162	Gmdrm	hyper	CHG	0.034
Gm08	3649419	3649889	Gmdrm	hyper	CHG	0.0847
Gm08	3651345	3651536	Gmdrm	hyper	CHG	0.036
Gm08	3683893	3684047	Gmdrm	hyper	CHG	0.07
Gm08	3730941	3731465	Gmdrm	hyper	CHG	0.0326
Gm08	4039656	4039782	Gmdrm	hyper	CHG	0.0717
Gm08	4113379	4113539	Gmdrm	hyper	CHG	0.0417
Gm08	4150760	4150899	Gmdrm	hyper	CHG	0.064
Gm08	4264692	4264923	Gmdrm	hyper	CHG	0.042
Gm08	4378690	4378914	Gmdrm	hyper	CHG	0.0734
Gm08	4411817	4411927	Gmdrm	hyper	CHG	0.072
Gm08	4630962	4631622	Gmdrm	hyper	CHG	0.0334
Gm08	5104342	5104816	Gmdrm	hyper	CHG	0.0466
Gm08	5162433	5162670	Gmdrm	hyper	CHG	0.035
Gm08	5172419	5172791	Gmdrm	hyper	CHG	0.1256
Gm08	5182515	5182695	Gmdrm	hyper	CHG	0.05
Gm08	5188013	5188152	Gmdrm	hyper	CHG	0.03
Gm08	5198696	5198738	Gmdrm	hyper	CHG	0.0889
Gm08	5257773	5257865	Gmdrm	hyper	CHG	0.382
Gm08	5306903	5307114	Gmdrm	hyper	CHG	0.2075
Gm08	5329474	5329539	Gmdrm	hyper	CHG	0.03
Gm08	5330865	5330925	Gmdrm	hyper	CHG	0.044
Gm08	5505843	5506294	Gmdrm	hyper	CHG	0.0366

Gm08	5526430	5526602	Gmdrm	hyper	CHG	0.052
Gm08	5565522	5565737	Gmdrm	hyper	CHG	0.0645
Gm08	5658763	5658936	Gmdrm	hyper	CHG	0.04
Gm08	5898760	5899080	Gmdrm	hyper	CHG	0.029
Gm08	6023382	6023518	Gmdrm	hyper	CHG	0.024
Gm08	6099688	6099859	Gmdrm	hyper	CHG	0.0467
Gm08	6148274	6148527	Gmdrm	hyper	CHG	0.0387
Gm08	6159802	6160163	Gmdrm	hyper	CHG	0.0464
Gm08	6253202	6253323	Gmdrm	hyper	CHG	0.0857
Gm08	6268342	6268496	Gmdrm	hyper	CHG	0.0312
Gm08	6290355	6290428	Gmdrm	hyper	CHG	0.0483
Gm08	6304132	6304421	Gmdrm	hyper	CHG	0.0189
Gm08	6316645	6316788	Gmdrm	hyper	CHG	0.021
Gm08	6349794	6350131	Gmdrm	hyper	CHG	0.0406
Gm08	6364317	6364840	Gmdrm	hyper	CHG	0.0276
Gm08	6394546	6394823	Gmdrm	hyper	CHG	0.0267
Gm08	6414130	6414226	Gmdrm	hyper	CHG	0.052
Gm08	6481861	6482203	Gmdrm	hyper	CHG	0.0572
Gm08	6513754	6513930	Gmdrm	hyper	CHG	0.036
Gm08	6514078	6514109	Gmdrm	hyper	CHG	0.046
Gm08	6560440	6560588	Gmdrm	hyper	CHG	0.08
Gm08	6589392	6589514	Gmdrm	hyper	CHG	0.038
Gm08	6639997	6640203	Gmdrm	hyper	CHG	0.0917
Gm08	6852749	6852924	Gmdrm	hyper	CHG	0.044
Gm08	6964887	6964949	Gmdrm	hyper	CHG	0.1071
Gm08	6967261	6967366	Gmdrm	hyper	CHG	0.048
Gm08	6993557	6993681	Gmdrm	hyper	CHG	0.035
Gm08	7239798	7240772	Gmdrm	hyper	CHG	0.1864
Gm08	7243075	7243166	Gmdrm	hyper	CHG	0.2414
Gm08	7249634	7249832	Gmdrm	hyper	CHG	0.0511
Gm08	7341130	7341575	Gmdrm	hyper	CHG	0.0408
Gm08	7349000	7349197	Gmdrm	hyper	CHG	0.0328
Gm08	7559997	7560139	Gmdrm	hyper	CHG	0.036
Gm08	7560675	7560867	Gmdrm	hyper	CHG	0.06
Gm08	7584602	7584715	Gmdrm	hyper	CHG	0.0662
Gm08	7637458	7637678	Gmdrm	hyper	CHG	0.0528
Gm08	7727188	7727291	Gmdrm	hyper	CHG	0.0783
Gm08	7739128	7739325	Gmdrm	hyper	CHG	0.0538
Gm08	7751580	7751923	Gmdrm	hyper	CHG	0.0579
Gm08	7764268	7764673	Gmdrm	hyper	CHG	0.4009
Gm08	7764915	7765263	Gmdrm	hyper	CHG	0.6811
Gm08	7771963	7772102	Gmdrm	hyper	CHG	0.052
Gm08	7829331	7829457	Gmdrm	hyper	CHG	0.0629
Gm08	7895129	7895464	Gmdrm	hyper	CHG	0.0389
Gm08	7931746	7931871	Gmdrm	hyper	CHG	0.046
Gm08	7984850	7985050	Gmdrm	hyper	CHG	0.0233

Gm08	8116087	8116190	Gmdrm	hyper	CHG	0.04
Gm08	8135201	8135385	Gmdrm	hyper	CHG	0.0811
Gm08	8197103	8197171	Gmdrm	hyper	CHG	0.066
Gm08	8207714	8207813	Gmdrm	hyper	CHG	0.1533
Gm08	8314569	8314657	Gmdrm	hyper	CHG	0.0367
Gm08	8453553	8453739	Gmdrm	hyper	CHG	0.0489
Gm08	8455152	8455286	Gmdrm	hyper	CHG	0.0416
Gm08	8686732	8687108	Gmdrm	hyper	CHG	0.0318
Gm08	8734664	8734793	Gmdrm	hyper	CHG	0.0533
Gm08	8974782	8975516	Gmdrm	hyper	CHG	0.0262
Gm08	9015009	9015295	Gmdrm	hyper	CHG	0.0509
Gm08	9019499	9019629	Gmdrm	hyper	CHG	0.0458
Gm08	9028197	9028422	Gmdrm	hyper	CHG	0.068
Gm08	9044570	9044772	Gmdrm	hyper	CHG	0.0583
Gm08	9059321	9059446	Gmdrm	hyper	CHG	0.098
Gm08	9068420	9068600	Gmdrm	hyper	CHG	0.072
Gm08	9098804	9098829	Gmdrm	hyper	CHG	0.078
Gm08	9152556	9152944	Gmdrm	hyper	CHG	0.0227
Gm08	9172814	9173070	Gmdrm	hyper	CHG	0.0334
Gm08	9175874	9175906	Gmdrm	hyper	CHG	0.0367
Gm08	9348368	9348623	Gmdrm	hyper	CHG	0.05
Gm08	9471200	9471384	Gmdrm	hyper	CHG	0.0685
Gm08	9496732	9496890	Gmdrm	hyper	CHG	0.068
Gm08	9526605	9526828	Gmdrm	hyper	CHG	0.09
Gm08	9536154	9536311	Gmdrm	hyper	CHG	0.046
Gm08	9540451	9540783	Gmdrm	hyper	CHG	0.0282
Gm08	9620999	9621208	Gmdrm	hyper	CHG	0.045
Gm08	9684972	9685213	Gmdrm	hyper	CHG	0.029
Gm08	9716933	9717086	Gmdrm	hyper	CHG	0.0271
Gm08	9808932	9809226	Gmdrm	hyper	CHG	0.0367
Gm08	9831966	9832175	Gmdrm	hyper	CHG	0.0237
Gm08	9867528	9867543	Gmdrm	hyper	CHG	0.042
Gm08	9915300	9915502	Gmdrm	hyper	CHG	0.0411
Gm08	9940171	9940559	Gmdrm	hyper	CHG	0.0465
Gm08	10228028	10228157	Gmdrm	hyper	CHG	0.065
Gm08	10347466	10347557	Gmdrm	hyper	CHG	0.044
Gm08	10378361	10378414	Gmdrm	hyper	CHG	0.036
Gm08	10384186	10384320	Gmdrm	hyper	CHG	0.082
Gm08	10413565	10413717	Gmdrm	hyper	CHG	0.1757
Gm08	10414272	10414515	Gmdrm	hyper	CHG	0.16
Gm08	10433852	10433957	Gmdrm	hyper	CHG	0.0617
Gm08	10435116	10435356	Gmdrm	hyper	CHG	0.0646
Gm08	10435975	10436155	Gmdrm	hyper	CHG	0.0438
Gm08	10473439	10473672	Gmdrm	hyper	CHG	0.0263
Gm08	10490374	10490576	Gmdrm	hyper	CHG	0.042
Gm08	10509261	10509536	Gmdrm	hyper	CHG	0.2342

Gm08	10513394	10513611	Gmdrm	hyper	CHG	0.035
Gm08	10570578	10570835	Gmdrm	hyper	CHG	0.0255
Gm08	10768766	10768929	Gmdrm	hyper	CHG	0.038
Gm08	10791133	10791214	Gmdrm	hyper	CHG	0.024
Gm08	10884436	10884509	Gmdrm	hyper	CHG	0.0557
Gm08	10886196	10886379	Gmdrm	hyper	CHG	0.054
Gm08	10977255	10977315	Gmdrm	hyper	CHG	0.0367
Gm08	10991119	10991417	Gmdrm	hyper	CHG	0.03
Gm08	10992155	10992177	Gmdrm	hyper	CHG	0.192
Gm08	11044017	11044304	Gmdrm	hyper	CHG	0.0362
Gm08	11052057	11052165	Gmdrm	hyper	CHG	0.052
Gm08	11070410	11071408	Gmdrm	hyper	CHG	0.2565
Gm08	11112059	11112323	Gmdrm	hyper	CHG	0.0775
Gm08	11167056	11167263	Gmdrm	hyper	CHG	0.0472
Gm08	11173970	11174082	Gmdrm	hyper	CHG	0.0429
Gm08	11238106	11238405	Gmdrm	hyper	CHG	0.0587
Gm08	11281774	11282069	Gmdrm	hyper	CHG	0.0445
Gm08	11362116	11362233	Gmdrm	hyper	CHG	0.05
Gm08	11364000	11364060	Gmdrm	hyper	CHG	0.06
Gm08	11420814	11421014	Gmdrm	hyper	CHG	0.13
Gm08	11443347	11443423	Gmdrm	hyper	CHG	0.046
Gm08	11489189	11489397	Gmdrm	hyper	CHG	0.0343
Gm08	11516995	11517787	Gmdrm	hyper	CHG	0.3426
Gm08	11909648	11909938	Gmdrm	hyper	CHG	0.0543
Gm08	11992697	11992899	Gmdrm	hyper	CHG	0.046
Gm08	12150977	12151237	Gmdrm	hyper	CHG	0.05
Gm08	12173433	12173600	Gmdrm	hyper	CHG	0.046
Gm08	12189711	12189891	Gmdrm	hyper	CHG	0.0314
Gm08	12375816	12376021	Gmdrm	hyper	CHG	0.128
Gm08	12438802	12439490	Gmdrm	hyper	CHG	0.173
Gm08	12443397	12443571	Gmdrm	hyper	CHG	0.048
Gm08	12493898	12494128	Gmdrm	hyper	CHG	0.0671
Gm08	12663973	12664029	Gmdrm	hyper	CHG	0.0517
Gm08	12742091	12742153	Gmdrm	hyper	CHG	0.1933
Gm08	12759961	12760295	Gmdrm	hyper	CHG	0.0886
Gm08	13038768	13038975	Gmdrm	hyper	CHG	0.045
Gm08	13375834	13375914	Gmdrm	hyper	CHG	0.056
Gm08	13412783	13413076	Gmdrm	hyper	CHG	0.038
Gm08	13478236	13478258	Gmdrm	hyper	CHG	0.2975
Gm08	13600487	13600673	Gmdrm	hyper	CHG	0.052
Gm08	13856607	13856783	Gmdrm	hyper	CHG	0.04
Gm08	13868981	13869257	Gmdrm	hyper	CHG	0.0514
Gm08	13941029	13941435	Gmdrm	hyper	CHG	0.0228
Gm08	13968485	13968644	Gmdrm	hyper	CHG	0.04
Gm08	14219175	14219255	Gmdrm	hyper	CHG	0.14
Gm08	14221138	14221510	Gmdrm	hyper	CHG	0.045

Gm08	14423902	14424198	Gmdrm	hyper	CHG	0.0371
Gm08	14560967	14561168	Gmdrm	hyper	CHG	0.152
Gm08	14564440	14564584	Gmdrm	hyper	CHG	0.054
Gm08	14753969	14754279	Gmdrm	hyper	CHG	0.0363
Gm08	14790623	14790828	Gmdrm	hyper	CHG	0.038
Gm08	14828987	14829123	Gmdrm	hyper	CHG	0.07
Gm08	14859299	14859421	Gmdrm	hyper	CHG	0.04
Gm08	14996709	14997227	Gmdrm	hyper	CHG	0.0445
Gm08	15114903	15115158	Gmdrm	hyper	CHG	0.0743
Gm08	15221763	15221970	Gmdrm	hyper	CHG	0.0233
Gm08	15228600	15228747	Gmdrm	hyper	CHG	0.04
Gm08	15399546	15400511	Gmdrm	hyper	CHG	0.2018
Gm08	15663538	15663616	Gmdrm	hyper	CHG	0.0383
Gm08	15663772	15663926	Gmdrm	hyper	CHG	0.0489
Gm08	15694237	15694405	Gmdrm	hyper	CHG	0.0433
Gm08	15742941	15743172	Gmdrm	hyper	CHG	0.05
Gm08	15763072	15763547	Gmdrm	hyper	CHG	0.0325
Gm08	15960500	15960680	Gmdrm	hyper	CHG	0.2536
Gm08	16003084	16003166	Gmdrm	hyper	CHG	0.0585
Gm08	16216184	16216325	Gmdrm	hyper	CHG	0.044
Gm08	16358795	16358974	Gmdrm	hyper	CHG	0.0399
Gm08	16413268	16413539	Gmdrm	hyper	CHG	0.0622
Gm08	16534550	16534904	Gmdrm	hyper	CHG	0.0277
Gm08	16626724	16626902	Gmdrm	hyper	CHG	0.0528
Gm08	16638183	16638330	Gmdrm	hyper	CHG	0.044
Gm08	16674689	16674833	Gmdrm	hyper	CHG	0.05
Gm08	16757419	16757875	Gmdrm	hyper	CHG	0.0454
Gm08	16975097	16975266	Gmdrm	hyper	CHG	0.11
Gm08	17050079	17050223	Gmdrm	hyper	CHG	0.0729
Gm08	17052372	17052490	Gmdrm	hyper	CHG	0.0217
Gm08	17173339	17173864	Gmdrm	hyper	CHG	0.1504
Gm08	17207796	17207995	Gmdrm	hyper	CHG	0.021
Gm08	17257658	17258040	Gmdrm	hyper	CHG	0.0233
Gm08	17386641	17386810	Gmdrm	hyper	CHG	0.044
Gm08	17600346	17600485	Gmdrm	hyper	CHG	0.06
Gm08	17738244	17738487	Gmdrm	hyper	CHG	0.0323
Gm08	17776851	17777301	Gmdrm	hyper	CHG	0.0289
Gm08	17890784	17890977	Gmdrm	hyper	CHG	0.076
Gm08	17974689	17974781	Gmdrm	hyper	CHG	0.075
Gm08	18378406	18378540	Gmdrm	hyper	CHG	0.048
Gm08	18472532	18473210	Gmdrm	hyper	CHG	0.0757
Gm08	18492128	18492425	Gmdrm	hyper	CHG	0.0734
Gm08	18593498	18593652	Gmdrm	hyper	CHG	0.05
Gm08	18849672	18850055	Gmdrm	hyper	CHG	0.05
Gm08	18986789	18986847	Gmdrm	hyper	CHG	0.092
Gm08	19285421	19285559	Gmdrm	hyper	CHG	0.045

Gm08	19762478	19763136	Gmdrm	hyper	CHG	0.1962
Gm08	19878132	19878386	Gmdrm	hyper	CHG	0.1918
Gm08	19914913	19915152	Gmdrm	hyper	CHG	0.06
Gm08	19921909	19922055	Gmdrm	hyper	CHG	0.062
Gm08	19969322	19969614	Gmdrm	hyper	CHG	0.0557
Gm08	20293547	20294382	Gmdrm	hyper	CHG	0.1923
Gm08	20294500	20294795	Gmdrm	hyper	CHG	0.31
Gm08	20387278	20387404	Gmdrm	hyper	CHG	0.078
Gm08	20416102	20416225	Gmdrm	hyper	CHG	0.1772
Gm08	20600461	20600633	Gmdrm	hyper	CHG	0.0362
Gm08	20682413	20682587	Gmdrm	hyper	CHG	0.058
Gm08	20738008	20738411	Gmdrm	hyper	CHG	0.03
Gm08	20738616	20738913	Gmdrm	hyper	CHG	0.0415
Gm08	20923280	20923411	Gmdrm	hyper	CHG	0.045
Gm08	21189638	21189832	Gmdrm	hyper	CHG	0.04
Gm08	21241444	21241542	Gmdrm	hyper	CHG	0.0667
Gm08	21241741	21241949	Gmdrm	hyper	CHG	0.048
Gm08	21632146	21632507	Gmdrm	hyper	CHG	0.2433
Gm08	21635753	21636111	Gmdrm	hyper	CHG	0.5608
Gm08	21636247	21636686	Gmdrm	hyper	CHG	0.6044
Gm08	21723372	21723548	Gmdrm	hyper	CHG	0.2514
Gm08	21837643	21837676	Gmdrm	hyper	CHG	0.045
Gm08	22031369	22031470	Gmdrm	hyper	CHG	0.0543
Gm08	22122105	22122253	Gmdrm	hyper	CHG	0.2319
Gm08	22273503	22273654	Gmdrm	hyper	CHG	0.035
Gm08	22319177	22319424	Gmdrm	hyper	CHG	0.081
Gm08	22335831	22336115	Gmdrm	hyper	CHG	0.0491
Gm08	22361363	22361549	Gmdrm	hyper	CHG	0.0433
Gm08	22531194	22532120	Gmdrm	hyper	CHG	0.025
Gm08	23031439	23031955	Gmdrm	hyper	CHG	0.1033
Gm08	23445549	23445737	Gmdrm	hyper	CHG	0.045
Gm08	23476140	23476438	Gmdrm	hyper	CHG	0.024
Gm08	23477900	23478339	Gmdrm	hyper	CHG	0.0266
Gm08	23492214	23492316	Gmdrm	hyper	CHG	0.3087
Gm08	23525687	23526569	Gmdrm	hyper	CHG	0.3632
Gm08	25182950	25183192	Gmdrm	hyper	CHG	0.2175
Gm08	25467219	25468022	Gmdrm	hyper	CHG	0.1556
Gm08	26499231	26499432	Gmdrm	hyper	CHG	0.28
Gm08	26641568	26641947	Gmdrm	hyper	CHG	0.0967
Gm08	27357662	27357989	Gmdrm	hyper	CHG	0.2637
Gm08	27437109	27437990	Gmdrm	hyper	CHG	0.1053
Gm08	27712883	27712934	Gmdrm	hyper	CHG	0.1684
Gm08	28202563	28202916	Gmdrm	hyper	CHG	0.2995
Gm08	28378762	28379203	Gmdrm	hyper	CHG	0.1911
Gm08	28440722	28441106	Gmdrm	hyper	CHG	0.3253
Gm08	28654850	28655083	Gmdrm	hyper	CHG	0.048

Gm08	28950543	28950696	Gmdrm	hyper	CHG	0.2275
Gm08	28960415	28960546	Gmdrm	hyper	CHG	0.252
Gm08	28967651	28967878	Gmdrm	hyper	CHG	0.2592
Gm08	29104482	29104779	Gmdrm	hyper	CHG	0.1855
Gm08	29130784	29131219	Gmdrm	hyper	CHG	0.2384
Gm08	29285078	29285581	Gmdrm	hyper	CHG	0.2043
Gm08	29336523	29337069	Gmdrm	hyper	CHG	0.1693
Gm08	29349282	29349429	Gmdrm	hyper	CHG	0.0913
Gm08	30131597	30131843	Gmdrm	hyper	CHG	0.624
Gm08	30144625	30144784	Gmdrm	hyper	CHG	0.5175
Gm08	30164447	30164585	Gmdrm	hyper	CHG	0.291
Gm08	30525462	30525695	Gmdrm	hyper	CHG	0.294
Gm08	30898534	30898862	Gmdrm	hyper	CHG	0.2855
Gm08	31294179	31294291	Gmdrm	hyper	CHG	0.076
Gm08	31763488	31763726	Gmdrm	hyper	CHG	0.3627
Gm08	32266790	32266852	Gmdrm	hyper	CHG	0.1233
Gm08	32325660	32326137	Gmdrm	hyper	CHG	0.1726
Gm08	32665200	32665233	Gmdrm	hyper	CHG	0.3933
Gm08	32681437	32681797	Gmdrm	hyper	CHG	0.3065
Gm08	32953341	32953418	Gmdrm	hyper	CHG	0.4217
Gm08	33176722	33176847	Gmdrm	hyper	CHG	0.154
Gm08	33639372	33639528	Gmdrm	hyper	CHG	0.2033
Gm08	33641197	33641870	Gmdrm	hyper	CHG	0.2143
Gm08	33895047	33895111	Gmdrm	hyper	CHG	0.296
Gm08	34229100	34229247	Gmdrm	hyper	CHG	0.0428
Gm08	34382091	34382189	Gmdrm	hyper	CHG	0.036
Gm08	34694622	34694674	Gmdrm	hyper	CHG	0.0486
Gm08	35130043	35130242	Gmdrm	hyper	CHG	0.0962
Gm08	35148622	35148680	Gmdrm	hyper	CHG	0.056
Gm08	35184704	35185093	Gmdrm	hyper	CHG	0.2091
Gm08	35282015	35282056	Gmdrm	hyper	CHG	0.274
Gm08	35536701	35536805	Gmdrm	hyper	CHG	0.3813
Gm08	36408561	36409260	Gmdrm	hyper	CHG	0.0751
Gm08	36487802	36487928	Gmdrm	hyper	CHG	0.0728
Gm08	36667930	36668764	Gmdrm	hyper	CHG	0.0883
Gm08	36690050	36690147	Gmdrm	hyper	CHG	0.402
Gm08	36854162	36854328	Gmdrm	hyper	CHG	0.1683
Gm08	37256569	37256671	Gmdrm	hyper	CHG	0.1683
Gm08	37275504	37275638	Gmdrm	hyper	CHG	0.04
Gm08	37985675	37985886	Gmdrm	hyper	CHG	0.0288
Gm08	38337569	38337720	Gmdrm	hyper	CHG	0.0286
Gm08	38387498	38387812	Gmdrm	hyper	CHG	0.1282
Gm08	38595725	38595860	Gmdrm	hyper	CHG	0.0267
Gm08	38699578	38699775	Gmdrm	hyper	CHG	0.0417
Gm08	38823111	38823693	Gmdrm	hyper	CHG	0.3581
Gm08	38877020	38877220	Gmdrm	hyper	CHG	0.038

Gm08	38967817	38968050	Gmdrm	hyper	CHG	0.0308
Gm08	38979201	38979429	Gmdrm	hyper	CHG	0.042
Gm08	39144576	39144687	Gmdrm	hyper	CHG	0.3864
Gm08	39265932	39266124	Gmdrm	hyper	CHG	0.0366
Gm08	39337166	39337446	Gmdrm	hyper	CHG	0.0489
Gm08	39457883	39458329	Gmdrm	hyper	CHG	0.2062
Gm08	39500289	39500531	Gmdrm	hyper	CHG	0.0443
Gm08	39962094	39962360	Gmdrm	hyper	CHG	0.0729
Gm08	39984386	39984670	Gmdrm	hyper	CHG	0.0378
Gm08	40203947	40204125	Gmdrm	hyper	CHG	0.05
Gm08	40306753	40307002	Gmdrm	hyper	CHG	0.0377
Gm08	40361499	40361657	Gmdrm	hyper	CHG	0.0443
Gm08	40362141	40362298	Gmdrm	hyper	CHG	0.055
Gm08	40768089	40768213	Gmdrm	hyper	CHG	0.068
Gm08	40772520	40772747	Gmdrm	hyper	CHG	0.26
Gm08	40854166	40854362	Gmdrm	hyper	CHG	0.042
Gm08	40982407	40982505	Gmdrm	hyper	CHG	0.0233
Gm08	40985754	40985958	Gmdrm	hyper	CHG	0.0317
Gm08	40986224	40986443	Gmdrm	hyper	CHG	0.0384
Gm08	41165600	41165886	Gmdrm	hyper	CHG	0.031
Gm08	41230865	41231178	Gmdrm	hyper	CHG	0.065
Gm08	41261883	41262133	Gmdrm	hyper	CHG	0.05
Gm08	41262872	41263102	Gmdrm	hyper	CHG	0.1986
Gm08	41582563	41582757	Gmdrm	hyper	CHG	0.0408
Gm08	41764343	41764872	Gmdrm	hyper	CHG	0.0358
Gm08	41802333	41802501	Gmdrm	hyper	CHG	0.032
Gm08	41808947	41809103	Gmdrm	hyper	CHG	0.04
Gm08	41962976	41963228	Gmdrm	hyper	CHG	0.0437
Gm08	42048834	42049059	Gmdrm	hyper	CHG	0.0289
Gm08	42100443	42100560	Gmdrm	hyper	CHG	0.2125
Gm08	42113015	42113416	Gmdrm	hyper	CHG	0.0387
Gm08	42116526	42116790	Gmdrm	hyper	CHG	0.044
Gm08	42250846	42251151	Gmdrm	hyper	CHG	0.0486
Gm08	42348881	42349051	Gmdrm	hyper	CHG	0.0333
Gm08	42395831	42396087	Gmdrm	hyper	CHG	0.026
Gm08	42496650	42497646	Gmdrm	hyper	CHG	0.0519
Gm08	42767111	42767177	Gmdrm	hyper	CHG	0.2257
Gm08	42817084	42817330	Gmdrm	hyper	CHG	0.143
Gm08	42924010	42924198	Gmdrm	hyper	CHG	0.07
Gm08	42927597	42927949	Gmdrm	hyper	CHG	0.0322
Gm08	42952950	42953109	Gmdrm	hyper	CHG	0.07
Gm08	43031831	43032097	Gmdrm	hyper	CHG	0.0983
Gm08	43142935	43143320	Gmdrm	hyper	CHG	0.1231
Gm08	43201828	43202090	Gmdrm	hyper	CHG	0.0556
Gm08	43221038	43221607	Gmdrm	hyper	CHG	0.0361
Gm08	43433224	43433657	Gmdrm	hyper	CHG	0.025

Gm08	43475041	43475133	Gmdrm	hyper	CHG	0.066
Gm08	43557508	43557603	Gmdrm	hyper	CHG	0.1083
Gm08	43600278	43600799	Gmdrm	hyper	CHG	0.2385
Gm08	43674041	43674273	Gmdrm	hyper	CHG	0.0625
Gm08	43698303	43698690	Gmdrm	hyper	CHG	0.0759
Gm08	43999907	44000173	Gmdrm	hyper	CHG	0.1443
Gm08	44065788	44066196	Gmdrm	hyper	CHG	0.022
Gm08	44108963	44109290	Gmdrm	hyper	CHG	0.0218
Gm08	44127559	44127711	Gmdrm	hyper	CHG	0.04
Gm08	44322173	44322315	Gmdrm	hyper	CHG	0.04
Gm08	44387191	44387356	Gmdrm	hyper	CHG	0.0533
Gm08	44714834	44714938	Gmdrm	hyper	CHG	0.0425
Gm08	44785838	44786232	Gmdrm	hyper	CHG	0.0431
Gm08	44887375	44887667	Gmdrm	hyper	CHG	0.0372
Gm08	45046350	45046607	Gmdrm	hyper	CHG	0.0336
Gm08	45343160	45343409	Gmdrm	hyper	CHG	0.0258
Gm08	45635808	45636004	Gmdrm	hyper	CHG	0.03
Gm08	45715566	45715827	Gmdrm	hyper	CHG	0.1013
Gm08	45733113	45733274	Gmdrm	hyper	CHG	0.066
Gm08	45775400	45775468	Gmdrm	hyper	CHG	0.0967
Gm08	45851644	45851784	Gmdrm	hyper	CHG	0.05
Gm08	45875563	45876111	Gmdrm	hyper	CHG	0.03
Gm08	45889693	45890129	Gmdrm	hyper	CHG	0.0382
Gm08	45939192	45939731	Gmdrm	hyper	CHG	0.0435
Gm08	46013435	46013478	Gmdrm	hyper	CHG	0.1342
Gm08	46159071	46159392	Gmdrm	hyper	CHG	0.056
Gm08	46192937	46193130	Gmdrm	hyper	CHG	0.0467
Gm08	46271751	46272041	Gmdrm	hyper	CHG	0.0267
Gm08	46281044	46281245	Gmdrm	hyper	CHG	0.035
Gm08	46538508	46538759	Gmdrm	hyper	CHG	0.0275
Gm08	46670989	46671304	Gmdrm	hyper	CHG	0.0513
Gm08	46680273	46680366	Gmdrm	hyper	CHG	0.058
Gm08	46754705	46754848	Gmdrm	hyper	CHG	0.04
Gm08	46794317	46794494	Gmdrm	hyper	CHG	0.0376
Gm08	46794867	46795173	Gmdrm	hyper	CHG	0.0367
Gm08	46819640	46819775	Gmdrm	hyper	CHG	0.05
Gm08	46937352	46937499	Gmdrm	hyper	CHG	0.04
Gm08	47036910	47036997	Gmdrm	hyper	CHG	0.0383
Gm08_scaffol	3485	3959	Gmdrm	hyper	CHG	0.2579
Gm09	65048	65300	Gmdrm	hyper	CHG	0.0867
Gm09	185491	185730	Gmdrm	hyper	CHG	0.3491
Gm09	477462	477599	Gmdrm	hyper	CHG	0.05
Gm09	483617	483784	Gmdrm	hyper	CHG	0.0666
Gm09	524252	524544	Gmdrm	hyper	CHG	0.0678
Gm09	814120	814291	Gmdrm	hyper	CHG	0.064
Gm09	862177	862305	Gmdrm	hyper	CHG	0.042

Gm09	864973	865093	Gmdrm	hyper	CHG	0.058
Gm09	924610	924939	Gmdrm	hyper	CHG	0.0487
Gm09	996329	996501	Gmdrm	hyper	CHG	0.0383
Gm09	1031832	1031975	Gmdrm	hyper	CHG	0.038
Gm09	1149025	1149065	Gmdrm	hyper	CHG	0.038
Gm09	1175702	1175901	Gmdrm	hyper	CHG	0.064
Gm09	1229591	1229796	Gmdrm	hyper	CHG	0.1044
Gm09	1384614	1384791	Gmdrm	hyper	CHG	0.045
Gm09	1430506	1430663	Gmdrm	hyper	CHG	0.064
Gm09	1445320	1445493	Gmdrm	hyper	CHG	0.045
Gm09	1629217	1629370	Gmdrm	hyper	CHG	0.066
Gm09	1684279	1684362	Gmdrm	hyper	CHG	0.086
Gm09	1696659	1696964	Gmdrm	hyper	CHG	0.0544
Gm09	1787574	1787689	Gmdrm	hyper	CHG	0.0467
Gm09	1872619	1872730	Gmdrm	hyper	CHG	0.548
Gm09	1928791	1928933	Gmdrm	hyper	CHG	0.0267
Gm09	1976847	1977702	Gmdrm	hyper	CHG	0.025
Gm09	2023659	2023878	Gmdrm	hyper	CHG	0.058
Gm09	2055002	2055321	Gmdrm	hyper	CHG	0.032
Gm09	2089984	2090257	Gmdrm	hyper	CHG	0.0243
Gm09	2241802	2242140	Gmdrm	hyper	CHG	0.0187
Gm09	2329747	2330061	Gmdrm	hyper	CHG	0.0345
Gm09	2378519	2378649	Gmdrm	hyper	CHG	0.035
Gm09	2553033	2553187	Gmdrm	hyper	CHG	0.1
Gm09	2565662	2565892	Gmdrm	hyper	CHG	0.025
Gm09	2729157	2729313	Gmdrm	hyper	CHG	0.0537
Gm09	2919968	2920186	Gmdrm	hyper	CHG	0.0333
Gm09	2953141	2953670	Gmdrm	hyper	CHG	0.0358
Gm09	2973250	2973419	Gmdrm	hyper	CHG	0.044
Gm09	2977646	2977798	Gmdrm	hyper	CHG	0.0317
Gm09	3018173	3018435	Gmdrm	hyper	CHG	0.0517
Gm09	3025429	3025508	Gmdrm	hyper	CHG	0.038
Gm09	3094694	3094815	Gmdrm	hyper	CHG	0.0433
Gm09	3451009	3451115	Gmdrm	hyper	CHG	0.075
Gm09	3556270	3556289	Gmdrm	hyper	CHG	0.292
Gm09	3609592	3609816	Gmdrm	hyper	CHG	0.037
Gm09	4035356	4035962	Gmdrm	hyper	CHG	0.2281
Gm09	4079121	4079343	Gmdrm	hyper	CHG	0.2292
Gm09	4168624	4168995	Gmdrm	hyper	CHG	0.07
Gm09	4214017	4214393	Gmdrm	hyper	CHG	0.0557
Gm09	4329411	4329560	Gmdrm	hyper	CHG	0.05
Gm09	4507877	4508338	Gmdrm	hyper	CHG	0.03
Gm09	4509028	4509369	Gmdrm	hyper	CHG	0.038
Gm09	4512643	4512738	Gmdrm	hyper	CHG	0.0317
Gm09	4587243	4587465	Gmdrm	hyper	CHG	0.0464
Gm09	4670027	4670299	Gmdrm	hyper	CHG	0.04

Gm09	4683534	4683558	Gmdrm	hyper	CHG	0.1062
Gm09	4817575	4817608	Gmdrm	hyper	CHG	0.1975
Gm09	4864803	4864987	Gmdrm	hyper	CHG	0.239
Gm09	5143711	5144107	Gmdrm	hyper	CHG	0.1181
Gm09	5151750	5152270	Gmdrm	hyper	CHG	0.3206
Gm09	5264343	5264621	Gmdrm	hyper	CHG	0.0586
Gm09	5265940	5266394	Gmdrm	hyper	CHG	0.0328
Gm09	5629878	5630255	Gmdrm	hyper	CHG	0.3106
Gm09	5729988	5730247	Gmdrm	hyper	CHG	0.0467
Gm09	5799875	5800091	Gmdrm	hyper	CHG	0.0467
Gm09	5999482	5999673	Gmdrm	hyper	CHG	0.0286
Gm09	6012935	6013019	Gmdrm	hyper	CHG	0.0612
Gm09	6034294	6034420	Gmdrm	hyper	CHG	0.0617
Gm09	6070850	6070908	Gmdrm	hyper	CHG	0.11
Gm09	6285689	6285972	Gmdrm	hyper	CHG	0.0675
Gm09	6315691	6315875	Gmdrm	hyper	CHG	0.0767
Gm09	6330962	6331100	Gmdrm	hyper	CHG	0.0343
Gm09	6349143	6349425	Gmdrm	hyper	CHG	0.03
Gm09	6429021	6429110	Gmdrm	hyper	CHG	0.065
Gm09	6438873	6439121	Gmdrm	hyper	CHG	0.0743
Gm09	6469578	6470518	Gmdrm	hyper	CHG	0.4028
Gm09	6470602	6470703	Gmdrm	hyper	CHG	0.433
Gm09	6484501	6484565	Gmdrm	hyper	CHG	0.0525
Gm09	6769665	6770626	Gmdrm	hyper	CHG	0.241
Gm09	6832210	6832676	Gmdrm	hyper	CHG	0.0325
Gm09	7015947	7016058	Gmdrm	hyper	CHG	0.0883
Gm09	7193815	7194164	Gmdrm	hyper	CHG	0.045
Gm09	7248485	7248706	Gmdrm	hyper	CHG	0.0414
Gm09	7699870	7699914	Gmdrm	hyper	CHG	0.054
Gm09	7918212	7918288	Gmdrm	hyper	CHG	0.3988
Gm09	7942412	7943236	Gmdrm	hyper	CHG	0.3995
Gm09	8421599	8421747	Gmdrm	hyper	CHG	0.0471
Gm09	8678506	8678710	Gmdrm	hyper	CHG	0.0563
Gm09	8970213	8970830	Gmdrm	hyper	CHG	0.1838
Gm09	8993505	8993601	Gmdrm	hyper	CHG	0.6384
Gm09	9123276	9123397	Gmdrm	hyper	CHG	0.04
Gm09	9123680	9123828	Gmdrm	hyper	CHG	0.0571
Gm09	9328923	9329835	Gmdrm	hyper	CHG	0.2132
Gm09	9675898	9675957	Gmdrm	hyper	CHG	0.0429
Gm09	10833318	10833534	Gmdrm	hyper	CHG	0.1529
Gm09	10976700	10977078	Gmdrm	hyper	CHG	0.1536
Gm09	11008024	11008465	Gmdrm	hyper	CHG	0.273
Gm09	11325273	11325452	Gmdrm	hyper	CHG	0.056
Gm09	11350787	11351387	Gmdrm	hyper	CHG	0.162
Gm09	11564438	11564777	Gmdrm	hyper	CHG	0.263
Gm09	11618224	11618381	Gmdrm	hyper	CHG	0.3909

Gm09	11865360	11865440	Gmdrm	hyper	CHG	0.44
Gm09	11865825	11866054	Gmdrm	hyper	CHG	0.284
Gm09	11904397	11904616	Gmdrm	hyper	CHG	0.05
Gm09	12390083	12390588	Gmdrm	hyper	CHG	0.1463
Gm09	12486294	12486473	Gmdrm	hyper	CHG	0.16
Gm09	12524523	12524992	Gmdrm	hyper	CHG	0.0384
Gm09	13650435	13650940	Gmdrm	hyper	CHG	0.113
Gm09	13779416	13780187	Gmdrm	hyper	CHG	0.1218
Gm09	14275542	14275791	Gmdrm	hyper	CHG	0.09
Gm09	14282571	14283419	Gmdrm	hyper	CHG	0.1402
Gm09	14548351	14548585	Gmdrm	hyper	CHG	0.034
Gm09	14851677	14851844	Gmdrm	hyper	CHG	0.114
Gm09	15083606	15083671	Gmdrm	hyper	CHG	0.2184
Gm09	15349934	15349994	Gmdrm	hyper	CHG	0.364
Gm09	15631003	15631186	Gmdrm	hyper	CHG	0.1965
Gm09	16538572	16538726	Gmdrm	hyper	CHG	0.2286
Gm09	16968325	16968619	Gmdrm	hyper	CHG	0.1162
Gm09	17033280	17033496	Gmdrm	hyper	CHG	0.2123
Gm09	17349494	17349655	Gmdrm	hyper	CHG	0.1785
Gm09	17540242	17540416	Gmdrm	hyper	CHG	0.0512
Gm09	18145000	18145260	Gmdrm	hyper	CHG	0.4538
Gm09	18633313	18633370	Gmdrm	hyper	CHG	0.046
Gm09	19018539	19018633	Gmdrm	hyper	CHG	0.3843
Gm09	19070423	19070881	Gmdrm	hyper	CHG	0.0312
Gm09	19092104	19092352	Gmdrm	hyper	CHG	0.0678
Gm09	19116631	19116908	Gmdrm	hyper	CHG	0.0495
Gm09	19225811	19225917	Gmdrm	hyper	CHG	0.054
Gm09	19462596	19462714	Gmdrm	hyper	CHG	0.1566
Gm09	19539477	19539518	Gmdrm	hyper	CHG	0.26
Gm09	19561101	19561516	Gmdrm	hyper	CHG	0.0837
Gm09	19622250	19622496	Gmdrm	hyper	CHG	0.1086
Gm09	19702561	19703525	Gmdrm	hyper	CHG	0.1615
Gm09	19722632	19722783	Gmdrm	hyper	CHG	0.1633
Gm09	19755865	19756009	Gmdrm	hyper	CHG	0.22
Gm09	20045406	20045611	Gmdrm	hyper	CHG	0.3756
Gm09	20235796	20235860	Gmdrm	hyper	CHG	0.3037
Gm09	20926585	20926722	Gmdrm	hyper	CHG	0.3317
Gm09	21710774	21710824	Gmdrm	hyper	CHG	0.048
Gm09	22047995	22048236	Gmdrm	hyper	CHG	0.41
Gm09	22241218	22241362	Gmdrm	hyper	CHG	0.2174
Gm09	23189496	23189797	Gmdrm	hyper	CHG	0.2516
Gm09	23191519	23191769	Gmdrm	hyper	CHG	0.1694
Gm09	23257326	23257533	Gmdrm	hyper	CHG	0.3075
Gm09	23266092	23267070	Gmdrm	hyper	CHG	0.1428
Gm09	23276257	23276447	Gmdrm	hyper	CHG	0.1852
Gm09	23276954	23277580	Gmdrm	hyper	CHG	0.186

Gm09	23281330	23282276	Gmdrm	hyper	CHG	0.1403
Gm09	23282332	23282914	Gmdrm	hyper	CHG	0.2167
Gm09	23293900	23294437	Gmdrm	hyper	CHG	0.3571
Gm09	23294568	23295557	Gmdrm	hyper	CHG	0.1826
Gm09	23295586	23296563	Gmdrm	hyper	CHG	0.3852
Gm09	23296615	23297615	Gmdrm	hyper	CHG	0.3075
Gm09	23297629	23298251	Gmdrm	hyper	CHG	0.2061
Gm09	23298369	23298810	Gmdrm	hyper	CHG	0.5154
Gm09	23299344	23299774	Gmdrm	hyper	CHG	0.2926
Gm09	23300168	23300492	Gmdrm	hyper	CHG	0.2857
Gm09	23300852	23301228	Gmdrm	hyper	CHG	0.3119
Gm09	23302482	23302752	Gmdrm	hyper	CHG	0.3455
Gm09	23302877	23303256	Gmdrm	hyper	CHG	0.37
Gm09	23303414	23304357	Gmdrm	hyper	CHG	0.2863
Gm09	23304485	23305044	Gmdrm	hyper	CHG	0.2361
Gm09	23305640	23305733	Gmdrm	hyper	CHG	0.37
Gm09	23306274	23306694	Gmdrm	hyper	CHG	0.277
Gm09	23309463	23310008	Gmdrm	hyper	CHG	0.408
Gm09	23310157	23310480	Gmdrm	hyper	CHG	0.5123
Gm09	23310678	23310870	Gmdrm	hyper	CHG	0.4968
Gm09	23310989	23311871	Gmdrm	hyper	CHG	0.5892
Gm09	23311975	23312292	Gmdrm	hyper	CHG	0.4483
Gm09	23312529	23312691	Gmdrm	hyper	CHG	0.2991
Gm09	23312796	23313195	Gmdrm	hyper	CHG	0.4943
Gm09	23315413	23315595	Gmdrm	hyper	CHG	0.4547
Gm09	23317057	23317244	Gmdrm	hyper	CHG	0.2833
Gm09	23317396	23317744	Gmdrm	hyper	CHG	0.2489
Gm09	23317901	23318004	Gmdrm	hyper	CHG	0.5586
Gm09	23318928	23319122	Gmdrm	hyper	CHG	0.3633
Gm09	23319270	23319367	Gmdrm	hyper	CHG	0.4114
Gm09	23319501	23320382	Gmdrm	hyper	CHG	0.2938
Gm09	23320710	23320956	Gmdrm	hyper	CHG	0.3763
Gm09	23324534	23324651	Gmdrm	hyper	CHG	0.434
Gm09	23327063	23327265	Gmdrm	hyper	CHG	0.3712
Gm09	23329511	23329827	Gmdrm	hyper	CHG	0.3165
Gm09	23330922	23331299	Gmdrm	hyper	CHG	0.4039
Gm09	23331454	23331894	Gmdrm	hyper	CHG	0.2804
Gm09	23332091	23332119	Gmdrm	hyper	CHG	0.542
Gm09	23332270	23332480	Gmdrm	hyper	CHG	0.4011
Gm09	23333220	23333233	Gmdrm	hyper	CHG	0.73
Gm09	23335381	23335607	Gmdrm	hyper	CHG	0.3466
Gm09	23336075	23336216	Gmdrm	hyper	CHG	0.46
Gm09	23336392	23336574	Gmdrm	hyper	CHG	0.479
Gm09	23336695	23337638	Gmdrm	hyper	CHG	0.3581
Gm09	23337711	23338080	Gmdrm	hyper	CHG	0.24
Gm09	23338225	23339209	Gmdrm	hyper	CHG	0.3863

Gm09	23339226	23339957	Gmdrm	hyper	CHG	0.3862
Gm09	23341791	23341919	Gmdrm	hyper	CHG	0.49
Gm09	23345227	23345546	Gmdrm	hyper	CHG	0.4064
Gm09	23346038	23346192	Gmdrm	hyper	CHG	0.4325
Gm09	23346349	23346396	Gmdrm	hyper	CHG	0.405
Gm09	23346542	23346925	Gmdrm	hyper	CHG	0.5171
Gm09	23347051	23347387	Gmdrm	hyper	CHG	0.4187
Gm09	23347787	23347955	Gmdrm	hyper	CHG	0.4363
Gm09	23348141	23348402	Gmdrm	hyper	CHG	0.601
Gm09	23348698	23348765	Gmdrm	hyper	CHG	0.72
Gm09	23349336	23349636	Gmdrm	hyper	CHG	0.2352
Gm09	23350247	23350972	Gmdrm	hyper	CHG	0.2093
Gm09	23351102	23351140	Gmdrm	hyper	CHG	0.2167
Gm09	23351263	23351759	Gmdrm	hyper	CHG	0.355
Gm09	23352390	23352519	Gmdrm	hyper	CHG	0.5067
Gm09	23353107	23353416	Gmdrm	hyper	CHG	0.39
Gm09	23353520	23353701	Gmdrm	hyper	CHG	0.525
Gm09	23353939	23354554	Gmdrm	hyper	CHG	0.3232
Gm09	23354719	23354757	Gmdrm	hyper	CHG	0.475
Gm09	23357021	23357375	Gmdrm	hyper	CHG	0.6406
Gm09	23357491	23358004	Gmdrm	hyper	CHG	0.4544
Gm09	23358171	23358975	Gmdrm	hyper	CHG	0.4949
Gm09	23359434	23359761	Gmdrm	hyper	CHG	0.609
Gm09	23360492	23360707	Gmdrm	hyper	CHG	0.5972
Gm09	23362009	23362078	Gmdrm	hyper	CHG	0.5287
Gm09	23362853	23363264	Gmdrm	hyper	CHG	0.4138
Gm09	23363636	23363863	Gmdrm	hyper	CHG	0.47
Gm09	23364638	23364954	Gmdrm	hyper	CHG	0.5277
Gm09	23365214	23365748	Gmdrm	hyper	CHG	0.5386
Gm09	23365901	23366861	Gmdrm	hyper	CHG	0.5391
Gm09	23366920	23367878	Gmdrm	hyper	CHG	0.5373
Gm09	23367966	23368001	Gmdrm	hyper	CHG	0.7284
Gm09	23368136	23369087	Gmdrm	hyper	CHG	0.5679
Gm09	23369137	23370076	Gmdrm	hyper	CHG	0.5971
Gm09	23370468	23370640	Gmdrm	hyper	CHG	0.5045
Gm09	23371147	23371274	Gmdrm	hyper	CHG	0.5177
Gm09	23371743	23371983	Gmdrm	hyper	CHG	0.5862
Gm09	23372210	23372321	Gmdrm	hyper	CHG	0.6687
Gm09	23372427	23372736	Gmdrm	hyper	CHG	0.5943
Gm09	23372839	23373813	Gmdrm	hyper	CHG	0.6611
Gm09	23373845	23374823	Gmdrm	hyper	CHG	0.676
Gm09	23375010	23375974	Gmdrm	hyper	CHG	0.5427
Gm09	23376017	23376254	Gmdrm	hyper	CHG	0.405
Gm09	23376373	23376624	Gmdrm	hyper	CHG	0.5547
Gm09	23376819	23377790	Gmdrm	hyper	CHG	0.5506
Gm09	23377843	23378809	Gmdrm	hyper	CHG	0.3145

Gm09	23378878	23378982	Gmdrm	hyper	CHG	0.296
Gm09	23381171	23381515	Gmdrm	hyper	CHG	0.2792
Gm09	23384120	23384440	Gmdrm	hyper	CHG	0.3154
Gm09	23389371	23389761	Gmdrm	hyper	CHG	0.2336
Gm09	23393665	23394183	Gmdrm	hyper	CHG	0.38
Gm09	23396620	23396779	Gmdrm	hyper	CHG	0.4228
Gm09	23397098	23397581	Gmdrm	hyper	CHG	0.3807
Gm09	23400215	23400415	Gmdrm	hyper	CHG	0.556
Gm09	23400692	23400961	Gmdrm	hyper	CHG	0.3588
Gm09	23404091	23404477	Gmdrm	hyper	CHG	0.4443
Gm09	23404580	23405037	Gmdrm	hyper	CHG	0.2547
Gm09	23405607	23405868	Gmdrm	hyper	CHG	0.2492
Gm09	23409135	23409472	Gmdrm	hyper	CHG	0.2475
Gm09	23409580	23410175	Gmdrm	hyper	CHG	0.4518
Gm09	23410282	23410530	Gmdrm	hyper	CHG	0.3513
Gm09	23410671	23411183	Gmdrm	hyper	CHG	0.3581
Gm09	23415171	23415316	Gmdrm	hyper	CHG	0.345
Gm09	23415635	23416390	Gmdrm	hyper	CHG	0.2667
Gm09	23416492	23417215	Gmdrm	hyper	CHG	0.4116
Gm09	23417424	23417675	Gmdrm	hyper	CHG	0.3545
Gm09	23418112	23419099	Gmdrm	hyper	CHG	0.308
Gm09	23419772	23419822	Gmdrm	hyper	CHG	0.26
Gm09	23420268	23420760	Gmdrm	hyper	CHG	0.3331
Gm09	23425844	23425914	Gmdrm	hyper	CHG	0.3733
Gm09	23434616	23434910	Gmdrm	hyper	CHG	0.282
Gm09	23435581	23435867	Gmdrm	hyper	CHG	0.2024
Gm09	23436001	23436573	Gmdrm	hyper	CHG	0.4878
Gm09	23436680	23437363	Gmdrm	hyper	CHG	0.5593
Gm09	23437586	23437817	Gmdrm	hyper	CHG	0.4586
Gm09	23437973	23438946	Gmdrm	hyper	CHG	0.7424
Gm09	23439014	23439639	Gmdrm	hyper	CHG	0.6555
Gm09	23439771	23440761	Gmdrm	hyper	CHG	0.4888
Gm09	23440833	23441641	Gmdrm	hyper	CHG	0.2447
Gm09	23441946	23442941	Gmdrm	hyper	CHG	0.286
Gm09	23442971	23443957	Gmdrm	hyper	CHG	0.1723
Gm09	23443981	23444575	Gmdrm	hyper	CHG	0.3479
Gm09	23444892	23445889	Gmdrm	hyper	CHG	0.4489
Gm09	23446098	23446258	Gmdrm	hyper	CHG	0.2855
Gm09	23446411	23447241	Gmdrm	hyper	CHG	0.3003
Gm09	23448491	23449143	Gmdrm	hyper	CHG	0.1305
Gm09	23449249	23449873	Gmdrm	hyper	CHG	0.374
Gm09	23450018	23451000	Gmdrm	hyper	CHG	0.2522
Gm09	23454663	23454917	Gmdrm	hyper	CHG	0.4711
Gm09	23455457	23455477	Gmdrm	hyper	CHG	0.3666
Gm09	23455709	23456395	Gmdrm	hyper	CHG	0.1943
Gm09	23460927	23461921	Gmdrm	hyper	CHG	0.5482

Gm09	23461945	23462620	Gmdrm	hyper	CHG	0.478
Gm09	23463762	23464536	Gmdrm	hyper	CHG	0.2227
Gm09	23465391	23465904	Gmdrm	hyper	CHG	0.245
Gm09	23466037	23466317	Gmdrm	hyper	CHG	0.4505
Gm09	23466707	23466795	Gmdrm	hyper	CHG	0.3533
Gm09	23468389	23468663	Gmdrm	hyper	CHG	0.5054
Gm09	23469654	23470406	Gmdrm	hyper	CHG	0.4532
Gm09	23471619	23472079	Gmdrm	hyper	CHG	0.3478
Gm09	23475191	23475784	Gmdrm	hyper	CHG	0.1862
Gm09	23476275	23476464	Gmdrm	hyper	CHG	0.3736
Gm09	23477028	23477274	Gmdrm	hyper	CHG	0.3418
Gm09	23479266	23479517	Gmdrm	hyper	CHG	0.2384
Gm09	23479645	23480153	Gmdrm	hyper	CHG	0.3388
Gm09	23489028	23489181	Gmdrm	hyper	CHG	0.458
Gm09	23492833	23493078	Gmdrm	hyper	CHG	0.5444
Gm09	23496822	23497085	Gmdrm	hyper	CHG	0.3866
Gm09	23497234	23497477	Gmdrm	hyper	CHG	0.515
Gm09	23497798	23498045	Gmdrm	hyper	CHG	0.5757
Gm09	23499393	23499615	Gmdrm	hyper	CHG	0.3352
Gm09	23500174	23500506	Gmdrm	hyper	CHG	0.4411
Gm09	23502438	23502830	Gmdrm	hyper	CHG	0.2517
Gm09	23504143	23504539	Gmdrm	hyper	CHG	0.4842
Gm09	23504933	23505665	Gmdrm	hyper	CHG	0.3523
Gm09	23505917	23506121	Gmdrm	hyper	CHG	0.34
Gm09	23506250	23506657	Gmdrm	hyper	CHG	0.434
Gm09	23506765	23506977	Gmdrm	hyper	CHG	0.464
Gm09	23507390	23508390	Gmdrm	hyper	CHG	0.4146
Gm09	23508394	23508894	Gmdrm	hyper	CHG	0.3846
Gm09	23510167	23510385	Gmdrm	hyper	CHG	0.5042
Gm09	23510973	23511248	Gmdrm	hyper	CHG	0.4211
Gm09	23511580	23511785	Gmdrm	hyper	CHG	0.53
Gm09	23512503	23512832	Gmdrm	hyper	CHG	0.5157
Gm09	23513450	23513626	Gmdrm	hyper	CHG	0.55
Gm09	23513845	23514208	Gmdrm	hyper	CHG	0.5375
Gm09	23514312	23514489	Gmdrm	hyper	CHG	0.7117
Gm09	23514596	23515008	Gmdrm	hyper	CHG	0.6527
Gm09	23515204	23515384	Gmdrm	hyper	CHG	0.612
Gm09	23515563	23515710	Gmdrm	hyper	CHG	0.3243
Gm09	23515824	23516107	Gmdrm	hyper	CHG	0.3584
Gm09	23516437	23516883	Gmdrm	hyper	CHG	0.3873
Gm09	23517746	23518233	Gmdrm	hyper	CHG	0.4032
Gm09	23520495	23520737	Gmdrm	hyper	CHG	0.3367
Gm09	23521152	23521539	Gmdrm	hyper	CHG	0.2645
Gm09	23521785	23522017	Gmdrm	hyper	CHG	0.39
Gm09	23523328	23523527	Gmdrm	hyper	CHG	0.205
Gm09	23523949	23524904	Gmdrm	hyper	CHG	0.1844

Gm09	23531985	23532941	Gmdrm	hyper	CHG	0.376
Gm09	23533405	23534001	Gmdrm	hyper	CHG	0.2457
Gm09	23535910	23536030	Gmdrm	hyper	CHG	0.4791
Gm09	23536675	23537264	Gmdrm	hyper	CHG	0.3473
Gm09	23538213	23538449	Gmdrm	hyper	CHG	0.5286
Gm09	23539042	23539258	Gmdrm	hyper	CHG	0.3744
Gm09	23542545	23543065	Gmdrm	hyper	CHG	0.3127
Gm09	23544574	23544725	Gmdrm	hyper	CHG	0.4264
Gm09	23545979	23546465	Gmdrm	hyper	CHG	0.3163
Gm09	23548371	23548777	Gmdrm	hyper	CHG	0.25
Gm09	23550151	23550356	Gmdrm	hyper	CHG	0.415
Gm09	23550805	23550913	Gmdrm	hyper	CHG	0.5486
Gm09	23551436	23552415	Gmdrm	hyper	CHG	0.3041
Gm09	23552575	23553532	Gmdrm	hyper	CHG	0.2765
Gm09	23553958	23554118	Gmdrm	hyper	CHG	0.34
Gm09	23554776	23555362	Gmdrm	hyper	CHG	0.1877
Gm09	23556079	23556169	Gmdrm	hyper	CHG	0.4386
Gm09	23557058	23557275	Gmdrm	hyper	CHG	0.4625
Gm09	23557423	23558289	Gmdrm	hyper	CHG	0.6068
Gm09	23558405	23559047	Gmdrm	hyper	CHG	0.5221
Gm09	23559163	23559349	Gmdrm	hyper	CHG	0.4236
Gm09	23559670	23560020	Gmdrm	hyper	CHG	0.3343
Gm09	23560357	23560836	Gmdrm	hyper	CHG	0.368
Gm09	23560985	23561143	Gmdrm	hyper	CHG	0.5371
Gm09	23561260	23561961	Gmdrm	hyper	CHG	0.5735
Gm09	23562570	23562835	Gmdrm	hyper	CHG	0.3987
Gm09	23563846	23564839	Gmdrm	hyper	CHG	0.3814
Gm09	23564851	23564989	Gmdrm	hyper	CHG	0.3846
Gm09	23568160	23568715	Gmdrm	hyper	CHG	0.2627
Gm09	23569129	23569318	Gmdrm	hyper	CHG	0.436
Gm09	23569580	23569823	Gmdrm	hyper	CHG	0.1494
Gm09	23582453	23582859	Gmdrm	hyper	CHG	0.386
Gm09	23583677	23584036	Gmdrm	hyper	CHG	0.4808
Gm09	23584275	23585266	Gmdrm	hyper	CHG	0.3333
Gm09	23590088	23591003	Gmdrm	hyper	CHG	0.3533
Gm09	23591476	23591673	Gmdrm	hyper	CHG	0.3334
Gm09	23592057	23592976	Gmdrm	hyper	CHG	0.3885
Gm09	23593243	23594132	Gmdrm	hyper	CHG	0.3071
Gm09	23594280	23594846	Gmdrm	hyper	CHG	0.456
Gm09	23594964	23595964	Gmdrm	hyper	CHG	0.4866
Gm09	23596181	23596602	Gmdrm	hyper	CHG	0.4294
Gm09	23597005	23597335	Gmdrm	hyper	CHG	0.5239
Gm09	23597554	23598553	Gmdrm	hyper	CHG	0.3767
Gm09	23598558	23599557	Gmdrm	hyper	CHG	0.2531
Gm09	23599559	23600398	Gmdrm	hyper	CHG	0.3003
Gm09	23600531	23601411	Gmdrm	hyper	CHG	0.4605

Gm09	23601971	23602287	Gmdrm	hyper	CHG	0.4776
Gm09	23602390	23602937	Gmdrm	hyper	CHG	0.4268
Gm09	23605336	23605520	Gmdrm	hyper	CHG	0.3163
Gm09	23606204	23606664	Gmdrm	hyper	CHG	0.4096
Gm09	23607075	23607221	Gmdrm	hyper	CHG	0.466
Gm09	23611137	23611511	Gmdrm	hyper	CHG	0.4644
Gm09	23612421	23612842	Gmdrm	hyper	CHG	0.4824
Gm09	23613342	23614315	Gmdrm	hyper	CHG	0.4489
Gm09	23614353	23614583	Gmdrm	hyper	CHG	0.5315
Gm09	23615192	23616166	Gmdrm	hyper	CHG	0.4717
Gm09	23616207	23616350	Gmdrm	hyper	CHG	0.454
Gm09	25634946	25635409	Gmdrm	hyper	CHG	0.0373
Gm09	25652666	25652863	Gmdrm	hyper	CHG	0.048
Gm09	25657456	25657821	Gmdrm	hyper	CHG	0.2047
Gm09	25658988	25659052	Gmdrm	hyper	CHG	0.3
Gm09	25659282	25659493	Gmdrm	hyper	CHG	0.6035
Gm09	25768022	25768260	Gmdrm	hyper	CHG	0.024
Gm09	25880181	25880280	Gmdrm	hyper	CHG	0.2417
Gm09	26092447	26093447	Gmdrm	hyper	CHG	0.187
Gm09	26093449	26094368	Gmdrm	hyper	CHG	0.346
Gm09	27103906	27104899	Gmdrm	hyper	CHG	0.1533
Gm09	27324504	27324521	Gmdrm	hyper	CHG	0.186
Gm09	27478102	27479000	Gmdrm	hyper	CHG	0.111
Gm09	27762901	27762980	Gmdrm	hyper	CHG	0.2745
Gm09	28967369	28967579	Gmdrm	hyper	CHG	0.072
Gm09	29277970	29278116	Gmdrm	hyper	CHG	0.06
Gm09	29321562	29321747	Gmdrm	hyper	CHG	0.115
Gm09	29975152	29975423	Gmdrm	hyper	CHG	0.1177
Gm09	30293749	30294134	Gmdrm	hyper	CHG	0.1921
Gm09	30760812	30761011	Gmdrm	hyper	CHG	0.044
Gm09	30849362	30849697	Gmdrm	hyper	CHG	0.0477
Gm09	32158160	32158295	Gmdrm	hyper	CHG	0.4129
Gm09	32420072	32420233	Gmdrm	hyper	CHG	0.0725
Gm09	32779118	32779278	Gmdrm	hyper	CHG	0.061
Gm09	32801615	32802087	Gmdrm	hyper	CHG	0.2052
Gm09	32804899	32805067	Gmdrm	hyper	CHG	0.1043
Gm09	32805755	32806109	Gmdrm	hyper	CHG	0.1241
Gm09	32807595	32807780	Gmdrm	hyper	CHG	0.1805
Gm09	32807933	32808772	Gmdrm	hyper	CHG	0.0719
Gm09	32808887	32809067	Gmdrm	hyper	CHG	0.139
Gm09	32811856	32812199	Gmdrm	hyper	CHG	0.1246
Gm09	32813524	32814507	Gmdrm	hyper	CHG	0.075
Gm09	32815327	32816226	Gmdrm	hyper	CHG	0.0923
Gm09	32816389	32817167	Gmdrm	hyper	CHG	0.0461
Gm09	32817405	32818057	Gmdrm	hyper	CHG	0.1168
Gm09	32821930	32822349	Gmdrm	hyper	CHG	0.1469

Gm09	32822630	32822935	Gmdrm	hyper	CHG	0.1587
Gm09	32826024	32826239	Gmdrm	hyper	CHG	0.204
Gm09	32826925	32827004	Gmdrm	hyper	CHG	0.1167
Gm09	32827257	32827956	Gmdrm	hyper	CHG	0.1478
Gm09	32828954	32829444	Gmdrm	hyper	CHG	0.1396
Gm09	32831739	32832134	Gmdrm	hyper	CHG	0.0928
Gm09	32833723	32833988	Gmdrm	hyper	CHG	0.127
Gm09	32838917	32839346	Gmdrm	hyper	CHG	0.1955
Gm09	33329893	33330119	Gmdrm	hyper	CHG	0.068
Gm09	33334742	33335181	Gmdrm	hyper	CHG	0.0359
Gm09	33335757	33336065	Gmdrm	hyper	CHG	0.0466
Gm09	33337441	33337670	Gmdrm	hyper	CHG	0.0383
Gm09	33339522	33339665	Gmdrm	hyper	CHG	0.042
Gm09	33528907	33528924	Gmdrm	hyper	CHG	0.1
Gm09	33536442	33536748	Gmdrm	hyper	CHG	0.5019
Gm09	33536869	33537044	Gmdrm	hyper	CHG	0.1027
Gm09	33547420	33547598	Gmdrm	hyper	CHG	0.031
Gm09	33691094	33691421	Gmdrm	hyper	CHG	0.0378
Gm09	33857244	33857386	Gmdrm	hyper	CHG	0.355
Gm09	34114445	34114601	Gmdrm	hyper	CHG	0.11
Gm09	34288394	34288883	Gmdrm	hyper	CHG	0.035
Gm09	34358037	34358947	Gmdrm	hyper	CHG	0.0758
Gm09	34451939	34452276	Gmdrm	hyper	CHG	0.0385
Gm09	34584506	34584673	Gmdrm	hyper	CHG	0.0328
Gm09	34692574	34692789	Gmdrm	hyper	CHG	0.0287
Gm09	34706171	34706196	Gmdrm	hyper	CHG	0.1867
Gm09	34718930	34719325	Gmdrm	hyper	CHG	0.072
Gm09	34768195	34768315	Gmdrm	hyper	CHG	0.048
Gm09	34781675	34781821	Gmdrm	hyper	CHG	0.0978
Gm09	34858012	34858330	Gmdrm	hyper	CHG	0.4366
Gm09	34858597	34859199	Gmdrm	hyper	CHG	0.5289
Gm09	34879688	34880189	Gmdrm	hyper	CHG	0.0671
Gm09	34884586	34884740	Gmdrm	hyper	CHG	0.062
Gm09	35367628	35367913	Gmdrm	hyper	CHG	0.2533
Gm09	35516530	35516562	Gmdrm	hyper	CHG	0.1083
Gm09	35854398	35854513	Gmdrm	hyper	CHG	0.066
Gm09	36287032	36287200	Gmdrm	hyper	CHG	0.0433
Gm09	36488585	36488601	Gmdrm	hyper	CHG	0.268
Gm09	36701993	36702206	Gmdrm	hyper	CHG	0.05
Gm09	36730056	36730189	Gmdrm	hyper	CHG	0.046
Gm09	36737643	36737678	Gmdrm	hyper	CHG	0.088
Gm09	37157342	37157563	Gmdrm	hyper	CHG	0.203
Gm09	37191276	37191399	Gmdrm	hyper	CHG	0.164
Gm09	37360356	37360465	Gmdrm	hyper	CHG	0.3786
Gm09	37377528	37377732	Gmdrm	hyper	CHG	0.1559
Gm09	37378565	37378938	Gmdrm	hyper	CHG	0.1406

Gm09	37440987	37441298	Gmdrm	hyper	CHG	0.0883
Gm09	37653871	37654112	Gmdrm	hyper	CHG	0.04
Gm09	38414888	38414974	Gmdrm	hyper	CHG	0.036
Gm09	38493866	38494025	Gmdrm	hyper	CHG	0.045
Gm09	38559535	38559845	Gmdrm	hyper	CHG	0.034
Gm09	38655745	38655951	Gmdrm	hyper	CHG	0.0329
Gm09	38690022	38690123	Gmdrm	hyper	CHG	0.32
Gm09	38785966	38786013	Gmdrm	hyper	CHG	0.565
Gm09	38941158	38941782	Gmdrm	hyper	CHG	0.478
Gm09	38951323	38951526	Gmdrm	hyper	CHG	0.0392
Gm09	38955640	38956021	Gmdrm	hyper	CHG	0.0325
Gm09	39005229	39005536	Gmdrm	hyper	CHG	0.0483
Gm09	39056349	39056595	Gmdrm	hyper	CHG	0.065
Gm09	39061464	39061647	Gmdrm	hyper	CHG	0.0543
Gm09	39204032	39204231	Gmdrm	hyper	CHG	0.05
Gm09	39307071	39307252	Gmdrm	hyper	CHG	0.076
Gm09	39634718	39634864	Gmdrm	hyper	CHG	0.095
Gm09	39743097	39743127	Gmdrm	hyper	CHG	0.05
Gm09	39909510	39909637	Gmdrm	hyper	CHG	0.0463
Gm09	40081587	40081837	Gmdrm	hyper	CHG	0.0422
Gm09	40083566	40083731	Gmdrm	hyper	CHG	0.035
Gm09	40090431	40090554	Gmdrm	hyper	CHG	0.1454
Gm09	40209327	40209476	Gmdrm	hyper	CHG	0.0323
Gm09	40218786	40218890	Gmdrm	hyper	CHG	0.0357
Gm09	40224908	40225088	Gmdrm	hyper	CHG	0.078
Gm09	40227664	40227775	Gmdrm	hyper	CHG	0.076
Gm09	40245094	40245531	Gmdrm	hyper	CHG	0.0607
Gm09	40296935	40297096	Gmdrm	hyper	CHG	0.048
Gm09	40298210	40298528	Gmdrm	hyper	CHG	0.0267
Gm09	40361376	40361845	Gmdrm	hyper	CHG	0.1396
Gm09	40361955	40362117	Gmdrm	hyper	CHG	0.235
Gm09	40449532	40449661	Gmdrm	hyper	CHG	0.1625
Gm09	40655811	40656085	Gmdrm	hyper	CHG	0.0389
Gm09	40689588	40689819	Gmdrm	hyper	CHG	0.0278
Gm09	40815185	40815548	Gmdrm	hyper	CHG	0.0287
Gm09	40833911	40833961	Gmdrm	hyper	CHG	0.048
Gm09	40849671	40849805	Gmdrm	hyper	CHG	0.3009
Gm09	40913968	40914007	Gmdrm	hyper	CHG	0.042
Gm09	40924498	40924534	Gmdrm	hyper	CHG	0.048
Gm09	41096165	41096435	Gmdrm	hyper	CHG	0.0328
Gm09	41303842	41303996	Gmdrm	hyper	CHG	0.0414
Gm09	41369196	41369377	Gmdrm	hyper	CHG	0.0372
Gm09	41532501	41532740	Gmdrm	hyper	CHG	0.0372
Gm09	41540123	41540479	Gmdrm	hyper	CHG	0.0357
Gm09	41625276	41625619	Gmdrm	hyper	CHG	0.08
Gm09	41743910	41744084	Gmdrm	hyper	CHG	0.034

Gm09	41871632	41871788	Gmdrm	hyper	CHG	0.0325
Gm09	41982240	41982548	Gmdrm	hyper	CHG	0.0399
Gm09	41992466	41992579	Gmdrm	hyper	CHG	0.04
Gm09	42077945	42078277	Gmdrm	hyper	CHG	0.0645
Gm09	42183193	42183283	Gmdrm	hyper	CHG	0.072
Gm09	42184468	42184841	Gmdrm	hyper	CHG	0.0325
Gm09	42279672	42279757	Gmdrm	hyper	CHG	0.056
Gm09	42688208	42688472	Gmdrm	hyper	CHG	0.0338
Gm09	42841819	42842410	Gmdrm	hyper	CHG	0.0212
Gm09	42915904	42916049	Gmdrm	hyper	CHG	0.046
Gm09	42930774	42931031	Gmdrm	hyper	CHG	0.0443
Gm09	43024738	43024938	Gmdrm	hyper	CHG	0.0675
Gm09	43057095	43057250	Gmdrm	hyper	CHG	0.056
Gm09	43075399	43075651	Gmdrm	hyper	CHG	0.0267
Gm09	43383122	43383366	Gmdrm	hyper	CHG	0.0471
Gm09	43576613	43576777	Gmdrm	hyper	CHG	0.04
Gm09	43774282	43774318	Gmdrm	hyper	CHG	0.086
Gm09	43838556	43838681	Gmdrm	hyper	CHG	0.044
Gm09	43881342	43881579	Gmdrm	hyper	CHG	0.0338
Gm09	43903864	43904282	Gmdrm	hyper	CHG	0.064
Gm09	43978307	43978445	Gmdrm	hyper	CHG	0.058
Gm09	44056920	44056942	Gmdrm	hyper	CHG	0.036
Gm09	44062352	44062717	Gmdrm	hyper	CHG	0.04
Gm09	44240484	44240566	Gmdrm	hyper	CHG	0.074
Gm09	44312292	44312409	Gmdrm	hyper	CHG	0.05
Gm09	44322331	44322582	Gmdrm	hyper	CHG	0.04
Gm09	44386429	44386544	Gmdrm	hyper	CHG	0.072
Gm09	44695223	44695467	Gmdrm	hyper	CHG	0.0414
Gm09	44809250	44809715	Gmdrm	hyper	CHG	0.0354
Gm09	44848159	44848400	Gmdrm	hyper	CHG	0.0445
Gm09	44852675	44852883	Gmdrm	hyper	CHG	0.0525
Gm09	44967608	44967678	Gmdrm	hyper	CHG	0.0467
Gm09	45113003	45113266	Gmdrm	hyper	CHG	0.0386
Gm09	45120484	45120759	Gmdrm	hyper	CHG	0.058
Gm09	45162161	45162430	Gmdrm	hyper	CHG	0.0288
Gm09	45247357	45248244	Gmdrm	hyper	CHG	0.3867
Gm09	45279914	45280319	Gmdrm	hyper	CHG	0.0263
Gm09	45299807	45300270	Gmdrm	hyper	CHG	0.0337
Gm09	45413716	45413845	Gmdrm	hyper	CHG	0.0416
Gm09	45454941	45455230	Gmdrm	hyper	CHG	0.0638
Gm09	45537775	45537942	Gmdrm	hyper	CHG	0.0583
Gm09	45591284	45591536	Gmdrm	hyper	CHG	0.065
Gm09	45669075	45669420	Gmdrm	hyper	CHG	0.032
Gm09	45697912	45697957	Gmdrm	hyper	CHG	0.056
Gm09	45711236	45711487	Gmdrm	hyper	CHG	0.0486
Gm09	45808381	45808569	Gmdrm	hyper	CHG	0.08

Gm09	45841848	45842140	Gmdrm	hyper	CHG	0.034
Gm09	45876442	45876527	Gmdrm	hyper	CHG	0.038
Gm09	45949571	45949704	Gmdrm	hyper	CHG	0.054
Gm09	46068335	46068575	Gmdrm	hyper	CHG	0.0766
Gm09	46270433	46270531	Gmdrm	hyper	CHG	0.0457
Gm09	46279277	46279608	Gmdrm	hyper	CHG	0.0333
Gm09	46343488	46343579	Gmdrm	hyper	CHG	0.0471
Gm09	46423721	46423768	Gmdrm	hyper	CHG	0.05
Gm09	46579344	46579587	Gmdrm	hyper	CHG	0.0278
Gm09	46692684	46692906	Gmdrm	hyper	CHG	0.042
Gm09	46723037	46723320	Gmdrm	hyper	CHG	0.038
Gm09	46969266	46969989	Gmdrm	hyper	CHG	0.0668
Gm09	47172866	47173061	Gmdrm	hyper	CHG	0.0271
Gm09	47197787	47198015	Gmdrm	hyper	CHG	0.0544
Gm09	47427492	47427628	Gmdrm	hyper	CHG	0.0433
Gm09	47470196	47470363	Gmdrm	hyper	CHG	0.03
Gm09	47589556	47589777	Gmdrm	hyper	CHG	0.0322
Gm09	47602607	47602839	Gmdrm	hyper	CHG	0.0377
Gm09	47779891	47780306	Gmdrm	hyper	CHG	0.0393
Gm09	47883050	47883180	Gmdrm	hyper	CHG	0.0888
Gm09	47890349	47890467	Gmdrm	hyper	CHG	0.028
Gm09	48135663	48135835	Gmdrm	hyper	CHG	0.0314
Gm09	48201668	48201738	Gmdrm	hyper	CHG	0.1066
Gm09	48265471	48265781	Gmdrm	hyper	CHG	0.031
Gm09	48359887	48360283	Gmdrm	hyper	CHG	0.0254
Gm09	48460123	48460573	Gmdrm	hyper	CHG	0.0592
Gm09	48483801	48483928	Gmdrm	hyper	CHG	0.042
Gm09	48486367	48486649	Gmdrm	hyper	CHG	0.136
Gm09	48487764	48488164	Gmdrm	hyper	CHG	0.1635
Gm09	48630878	48631203	Gmdrm	hyper	CHG	0.0428
Gm09	48725358	48725512	Gmdrm	hyper	CHG	0.068
Gm09	48872290	48872662	Gmdrm	hyper	CHG	0.038
Gm09	48982994	48983141	Gmdrm	hyper	CHG	0.0713
Gm09	49419370	49419918	Gmdrm	hyper	CHG	0.0626
Gm09	49450135	49451016	Gmdrm	hyper	CHG	0.02
Gm09	49746432	49746547	Gmdrm	hyper	CHG	0.0534
Gm09	49967277	49967649	Gmdrm	hyper	CHG	0.0429
Gm09	50112316	50113299	Gmdrm	hyper	CHG	0.4431
Gm09	50141398	50141529	Gmdrm	hyper	CHG	0.0337
Gm09	50242215	50242412	Gmdrm	hyper	CHG	0.035
Gm09	50375599	50375982	Gmdrm	hyper	CHG	0.0318
Gm10	162427	162645	Gmdrm	hyper	CHG	0.054
Gm10	248144	248241	Gmdrm	hyper	CHG	0.0433
Gm10	316661	316979	Gmdrm	hyper	CHG	0.0316
Gm10	380062	380290	Gmdrm	hyper	CHG	0.038
Gm10	389022	389226	Gmdrm	hyper	CHG	0.0409

Gm10	466102	466172	Gmdrm	hyper	CHG	0.028
Gm10	801409	801599	Gmdrm	hyper	CHG	0.0358
Gm10	801851	802035	Gmdrm	hyper	CHG	0.046
Gm10	862026	862154	Gmdrm	hyper	CHG	0.072
Gm10	881440	881685	Gmdrm	hyper	CHG	0.036
Gm10	903066	903181	Gmdrm	hyper	CHG	0.0587
Gm10	982652	982791	Gmdrm	hyper	CHG	0.05
Gm10	1146586	1146695	Gmdrm	hyper	CHG	0.044
Gm10	1197083	1197138	Gmdrm	hyper	CHG	0.0417
Gm10	1199135	1199298	Gmdrm	hyper	CHG	0.0457
Gm10	1488825	1488933	Gmdrm	hyper	CHG	0.0634
Gm10	1562111	1562405	Gmdrm	hyper	CHG	0.045
Gm10	1599852	1600094	Gmdrm	hyper	CHG	0.0455
Gm10	1673361	1673609	Gmdrm	hyper	CHG	0.03
Gm10	1740504	1740571	Gmdrm	hyper	CHG	0.064
Gm10	1740749	1740929	Gmdrm	hyper	CHG	0.0367
Gm10	1765897	1766212	Gmdrm	hyper	CHG	0.03
Gm10	1945028	1945239	Gmdrm	hyper	CHG	0.0357
Gm10	1989334	1989662	Gmdrm	hyper	CHG	0.107
Gm10	2058224	2058767	Gmdrm	hyper	CHG	0.045
Gm10	2120483	2120746	Gmdrm	hyper	CHG	0.1168
Gm10	2132842	2132941	Gmdrm	hyper	CHG	0.03
Gm10	2144603	2144724	Gmdrm	hyper	CHG	0.0467
Gm10	2162786	2163105	Gmdrm	hyper	CHG	0.0863
Gm10	2277600	2277812	Gmdrm	hyper	CHG	0.05
Gm10	2279454	2279552	Gmdrm	hyper	CHG	0.074
Gm10	2363095	2363261	Gmdrm	hyper	CHG	0.072
Gm10	2425397	2425513	Gmdrm	hyper	CHG	0.0733
Gm10	2457378	2457552	Gmdrm	hyper	CHG	0.04
Gm10	2614950	2615143	Gmdrm	hyper	CHG	0.0485
Gm10	2733886	2734054	Gmdrm	hyper	CHG	0.035
Gm10	2837209	2837802	Gmdrm	hyper	CHG	0.1978
Gm10	2838636	2838681	Gmdrm	hyper	CHG	0.532
Gm10	3176611	3176893	Gmdrm	hyper	CHG	0.037
Gm10	3184171	3184221	Gmdrm	hyper	CHG	0.374
Gm10	3336878	3337142	Gmdrm	hyper	CHG	0.048
Gm10	3387976	3388094	Gmdrm	hyper	CHG	0.0617
Gm10	3635475	3635645	Gmdrm	hyper	CHG	0.0583
Gm10	3682625	3682986	Gmdrm	hyper	CHG	0.038
Gm10	3854925	3855103	Gmdrm	hyper	CHG	0.056
Gm10	4009162	4009240	Gmdrm	hyper	CHG	0.076
Gm10	4126777	4127000	Gmdrm	hyper	CHG	0.0413
Gm10	4236578	4237148	Gmdrm	hyper	CHG	0.029
Gm10	4248340	4248893	Gmdrm	hyper	CHG	0.2171
Gm10	4291976	4292093	Gmdrm	hyper	CHG	0.188
Gm10	4366719	4366927	Gmdrm	hyper	CHG	0.048

Gm10	4393744	4393911	Gmdrm	hyper	CHG	0.0917
Gm10	4558618	4558867	Gmdrm	hyper	CHG	0.098
Gm10	4564620	4564682	Gmdrm	hyper	CHG	0.036
Gm10	4581093	4581319	Gmdrm	hyper	CHG	0.06
Gm10	4657064	4657473	Gmdrm	hyper	CHG	0.101
Gm10	4673663	4673739	Gmdrm	hyper	CHG	0.206
Gm10	5068019	5068111	Gmdrm	hyper	CHG	0.04
Gm10	5126879	5127116	Gmdrm	hyper	CHG	0.3081
Gm10	5240292	5240441	Gmdrm	hyper	CHG	0.0314
Gm10	5256710	5256892	Gmdrm	hyper	CHG	0.1966
Gm10	5296021	5296170	Gmdrm	hyper	CHG	0.074
Gm10	5339877	5339997	Gmdrm	hyper	CHG	0.038
Gm10	5359728	5359985	Gmdrm	hyper	CHG	0.04
Gm10	5428377	5428931	Gmdrm	hyper	CHG	0.1728
Gm10	5429303	5429506	Gmdrm	hyper	CHG	0.5877
Gm10	5501643	5501703	Gmdrm	hyper	CHG	0.056
Gm10	5504811	5504985	Gmdrm	hyper	CHG	0.03
Gm10	5800640	5801085	Gmdrm	hyper	CHG	0.2832
Gm10	5840642	5840765	Gmdrm	hyper	CHG	0.05
Gm10	5969580	5970354	Gmdrm	hyper	CHG	0.0209
Gm10	6169696	6169911	Gmdrm	hyper	CHG	0.078
Gm10	6257437	6257646	Gmdrm	hyper	CHG	0.0538
Gm10	6263023	6263253	Gmdrm	hyper	CHG	0.074
Gm10	6263354	6263374	Gmdrm	hyper	CHG	0.1483
Gm10	6365003	6365202	Gmdrm	hyper	CHG	0.042
Gm10	6498595	6498720	Gmdrm	hyper	CHG	0.048
Gm10	6504583	6504692	Gmdrm	hyper	CHG	0.1533
Gm10	6631595	6631763	Gmdrm	hyper	CHG	0.03
Gm10	6657710	6657813	Gmdrm	hyper	CHG	0.1233
Gm10	6674262	6674379	Gmdrm	hyper	CHG	0.045
Gm10	6682065	6682207	Gmdrm	hyper	CHG	0.0371
Gm10	6742801	6743091	Gmdrm	hyper	CHG	0.05
Gm10	6973589	6973860	Gmdrm	hyper	CHG	0.0367
Gm10	7009903	7010323	Gmdrm	hyper	CHG	0.1723
Gm10	7148388	7148533	Gmdrm	hyper	CHG	0.114
Gm10	7197048	7197170	Gmdrm	hyper	CHG	0.048
Gm10	7252440	7252615	Gmdrm	hyper	CHG	0.1
Gm10	7262550	7262756	Gmdrm	hyper	CHG	0.0272
Gm10	7296499	7296986	Gmdrm	hyper	CHG	0.0618
Gm10	7478708	7478959	Gmdrm	hyper	CHG	0.0323
Gm10	7650983	7651369	Gmdrm	hyper	CHG	0.0987
Gm10	7659274	7659432	Gmdrm	hyper	CHG	0.073
Gm10	7728978	7729365	Gmdrm	hyper	CHG	0.0493
Gm10	8543818	8543934	Gmdrm	hyper	CHG	0.072
Gm10	8670631	8670767	Gmdrm	hyper	CHG	0.33
Gm10	9017155	9017287	Gmdrm	hyper	CHG	0.06

Gm10	9064542	9064920	Gmdrm	hyper	CHG	0.6036
Gm10	9153495	9154001	Gmdrm	hyper	CHG	0.63
Gm10	9265573	9266381	Gmdrm	hyper	CHG	0.1388
Gm10	9348286	9348406	Gmdrm	hyper	CHG	0.054
Gm10	9735652	9735806	Gmdrm	hyper	CHG	0.0509
Gm10	9899228	9899392	Gmdrm	hyper	CHG	0.1527
Gm10	10391659	10391997	Gmdrm	hyper	CHG	0.1828
Gm10	10902842	10903309	Gmdrm	hyper	CHG	0.2307
Gm10	10918112	10918508	Gmdrm	hyper	CHG	0.041
Gm10	10962428	10962555	Gmdrm	hyper	CHG	0.045
Gm10	11193681	11193738	Gmdrm	hyper	CHG	0.2134
Gm10	11618083	11618495	Gmdrm	hyper	CHG	0.0511
Gm10	11718411	11718783	Gmdrm	hyper	CHG	0.0277
Gm10	11762398	11762567	Gmdrm	hyper	CHG	0.0686
Gm10	11771336	11771381	Gmdrm	hyper	CHG	0.2767
Gm10	11772587	11773122	Gmdrm	hyper	CHG	0.1233
Gm10	11773423	11773916	Gmdrm	hyper	CHG	0.155
Gm10	11854466	11854649	Gmdrm	hyper	CHG	0.038
Gm10	11900979	11901095	Gmdrm	hyper	CHG	0.066
Gm10	11946859	11947313	Gmdrm	hyper	CHG	0.0365
Gm10	12115217	12115327	Gmdrm	hyper	CHG	0.4657
Gm10	12120456	12120761	Gmdrm	hyper	CHG	0.0625
Gm10	12120951	12121902	Gmdrm	hyper	CHG	0.2041
Gm10	12122054	12122617	Gmdrm	hyper	CHG	0.2442
Gm10	12127195	12127581	Gmdrm	hyper	CHG	0.2316
Gm10	12176979	12177006	Gmdrm	hyper	CHG	0.1
Gm10	12264023	12264284	Gmdrm	hyper	CHG	0.1105
Gm10	12433917	12434268	Gmdrm	hyper	CHG	0.129
Gm10	12940363	12940468	Gmdrm	hyper	CHG	0.044
Gm10	13373407	13373676	Gmdrm	hyper	CHG	0.0492
Gm10	13400909	13401295	Gmdrm	hyper	CHG	0.062
Gm10	13674465	13674544	Gmdrm	hyper	CHG	0.124
Gm10	14875610	14875751	Gmdrm	hyper	CHG	0.374
Gm10	15485499	15485739	Gmdrm	hyper	CHG	0.1665
Gm10	15760231	15760475	Gmdrm	hyper	CHG	0.2267
Gm10	16488400	16488521	Gmdrm	hyper	CHG	0.082
Gm10	16844688	16844989	Gmdrm	hyper	CHG	0.1341
Gm10	17680208	17680314	Gmdrm	hyper	CHG	0.188
Gm10	17711397	17711609	Gmdrm	hyper	CHG	0.0626
Gm10	18356774	18357110	Gmdrm	hyper	CHG	0.103
Gm10	18387685	18387797	Gmdrm	hyper	CHG	0.195
Gm10	19041522	19041721	Gmdrm	hyper	CHG	0.3378
Gm10	20230292	20230376	Gmdrm	hyper	CHG	0.2967
Gm10	20412374	20412767	Gmdrm	hyper	CHG	0.3433
Gm10	20995517	20996485	Gmdrm	hyper	CHG	0.112
Gm10	21062677	21063306	Gmdrm	hyper	CHG	0.2842

Gm10	21063866	21064651	Gmdrm	hyper	CHG	0.1741
Gm10	21064764	21065748	Gmdrm	hyper	CHG	0.2641
Gm10	21066876	21067326	Gmdrm	hyper	CHG	0.1532
Gm10	21069136	21070131	Gmdrm	hyper	CHG	0.0956
Gm10	21070147	21070878	Gmdrm	hyper	CHG	0.172
Gm10	21071042	21071486	Gmdrm	hyper	CHG	0.1522
Gm10	21071632	21072628	Gmdrm	hyper	CHG	0.1793
Gm10	21072648	21073317	Gmdrm	hyper	CHG	0.223
Gm10	21073418	21074385	Gmdrm	hyper	CHG	0.3286
Gm10	21074437	21075433	Gmdrm	hyper	CHG	0.2149
Gm10	21076418	21076728	Gmdrm	hyper	CHG	0.302
Gm10	21077856	21078295	Gmdrm	hyper	CHG	0.2444
Gm10	21081298	21081395	Gmdrm	hyper	CHG	0.345
Gm10	21082332	21082511	Gmdrm	hyper	CHG	0.2266
Gm10	21082850	21083172	Gmdrm	hyper	CHG	0.4627
Gm10	21083403	21084398	Gmdrm	hyper	CHG	0.4951
Gm10	21084415	21084655	Gmdrm	hyper	CHG	0.4694
Gm10	21085183	21085470	Gmdrm	hyper	CHG	0.193
Gm10	21085589	21085785	Gmdrm	hyper	CHG	0.387
Gm10	21085901	21086149	Gmdrm	hyper	CHG	0.3445
Gm10	21086610	21086944	Gmdrm	hyper	CHG	0.2789
Gm10	21087146	21087441	Gmdrm	hyper	CHG	0.397
Gm10	21087784	21088624	Gmdrm	hyper	CHG	0.2123
Gm10	21088821	21088887	Gmdrm	hyper	CHG	0.4766
Gm10	21097070	21097482	Gmdrm	hyper	CHG	0.1703
Gm10	21097626	21098617	Gmdrm	hyper	CHG	0.2764
Gm10	21098781	21099771	Gmdrm	hyper	CHG	0.3267
Gm10	21099812	21100808	Gmdrm	hyper	CHG	0.2004
Gm10	21102321	21102501	Gmdrm	hyper	CHG	0.467
Gm10	21102610	21103608	Gmdrm	hyper	CHG	0.3859
Gm10	21103737	21104712	Gmdrm	hyper	CHG	0.2861
Gm10	21104742	21104923	Gmdrm	hyper	CHG	0.387
Gm10	21105088	21105307	Gmdrm	hyper	CHG	0.4484
Gm10	21108765	21109297	Gmdrm	hyper	CHG	0.2378
Gm10	21109501	21110178	Gmdrm	hyper	CHG	0.2455
Gm10	21110285	21110320	Gmdrm	hyper	CHG	0.38
Gm10	21111230	21111851	Gmdrm	hyper	CHG	0.2358
Gm10	21113314	21114295	Gmdrm	hyper	CHG	0.2328
Gm10	21114335	21114749	Gmdrm	hyper	CHG	0.4571
Gm10	21114950	21115727	Gmdrm	hyper	CHG	0.3497
Gm10	21115838	21116239	Gmdrm	hyper	CHG	0.2916
Gm10	21116625	21116781	Gmdrm	hyper	CHG	0.36
Gm10	21120881	21121352	Gmdrm	hyper	CHG	0.4434
Gm10	21121845	21122086	Gmdrm	hyper	CHG	0.2534
Gm10	21122653	21123067	Gmdrm	hyper	CHG	0.34
Gm10	21124116	21124640	Gmdrm	hyper	CHG	0.398

Gm10	21124755	21125545	Gmdrm	hyper	CHG	0.5491
Gm10	21125859	21126118	Gmdrm	hyper	CHG	0.284
Gm10	21126666	21127266	Gmdrm	hyper	CHG	0.1294
Gm10	21128802	21129752	Gmdrm	hyper	CHG	0.4957
Gm10	21129818	21130754	Gmdrm	hyper	CHG	0.5651
Gm10	21130896	21131888	Gmdrm	hyper	CHG	0.4491
Gm10	21131954	21132114	Gmdrm	hyper	CHG	0.48
Gm10	21132254	21133193	Gmdrm	hyper	CHG	0.3112
Gm10	21133366	21133748	Gmdrm	hyper	CHG	0.2316
Gm10	21133849	21134692	Gmdrm	hyper	CHG	0.3736
Gm10	21134808	21135620	Gmdrm	hyper	CHG	0.653
Gm10	21139752	21139852	Gmdrm	hyper	CHG	0.2186
Gm10	21142248	21143018	Gmdrm	hyper	CHG	0.2361
Gm10	21143142	21143853	Gmdrm	hyper	CHG	0.3119
Gm10	21144005	21144365	Gmdrm	hyper	CHG	0.2906
Gm10	21147851	21148476	Gmdrm	hyper	CHG	0.1403
Gm10	21148601	21149458	Gmdrm	hyper	CHG	0.0935
Gm10	21151107	21151507	Gmdrm	hyper	CHG	0.2079
Gm10	21151612	21151813	Gmdrm	hyper	CHG	0.2231
Gm10	21152245	21153243	Gmdrm	hyper	CHG	0.6327
Gm10	21153247	21154174	Gmdrm	hyper	CHG	0.7061
Gm10	21154254	21155214	Gmdrm	hyper	CHG	0.463
Gm10	21155257	21156053	Gmdrm	hyper	CHG	0.2145
Gm10	21156280	21156675	Gmdrm	hyper	CHG	0.156
Gm10	21166159	21167144	Gmdrm	hyper	CHG	0.3678
Gm10	21167190	21167996	Gmdrm	hyper	CHG	0.2136
Gm10	21169518	21170518	Gmdrm	hyper	CHG	0.3156
Gm10	21170526	21170793	Gmdrm	hyper	CHG	0.2259
Gm10	21189074	21189194	Gmdrm	hyper	CHG	0.3471
Gm10	21193803	21193933	Gmdrm	hyper	CHG	0.31
Gm10	21197044	21197122	Gmdrm	hyper	CHG	0.4183
Gm10	21266853	21267077	Gmdrm	hyper	CHG	0.1399
Gm10	21341952	21342589	Gmdrm	hyper	CHG	0.1157
Gm10	21352879	21353277	Gmdrm	hyper	CHG	0.1005
Gm10	21537186	21537220	Gmdrm	hyper	CHG	0.458
Gm10	21762813	21763808	Gmdrm	hyper	CHG	0.2247
Gm10	22288604	22288730	Gmdrm	hyper	CHG	0.2
Gm10	22397417	22397485	Gmdrm	hyper	CHG	0.645
Gm10	22461217	22461296	Gmdrm	hyper	CHG	0.0717
Gm10	22554710	22554821	Gmdrm	hyper	CHG	0.2264
Gm10	22854220	22855199	Gmdrm	hyper	CHG	0.1105
Gm10	22882355	22882702	Gmdrm	hyper	CHG	0.1442
Gm10	22891107	22891322	Gmdrm	hyper	CHG	0.152
Gm10	22919707	22920545	Gmdrm	hyper	CHG	0.2765
Gm10	22920651	22921222	Gmdrm	hyper	CHG	0.1645
Gm10	22931041	22931245	Gmdrm	hyper	CHG	0.0629

Gm10	22932208	22932318	Gmdrm	hyper	CHG	0.2879
Gm10	23197853	23198199	Gmdrm	hyper	CHG	0.0387
Gm10	23200936	23201035	Gmdrm	hyper	CHG	0.1267
Gm10	23291218	23292182	Gmdrm	hyper	CHG	0.1854
Gm10	23358284	23358374	Gmdrm	hyper	CHG	0.3675
Gm10	23804493	23804772	Gmdrm	hyper	CHG	0.2064
Gm10	23810872	23811341	Gmdrm	hyper	CHG	0.2275
Gm10	23977488	23977805	Gmdrm	hyper	CHG	0.1604
Gm10	25103513	25103612	Gmdrm	hyper	CHG	0.04
Gm10	25118873	25119010	Gmdrm	hyper	CHG	0.1628
Gm10	25176179	25176794	Gmdrm	hyper	CHG	0.2182
Gm10	25323923	25324366	Gmdrm	hyper	CHG	0.1393
Gm10	25326114	25326422	Gmdrm	hyper	CHG	0.1408
Gm10	25365721	25366413	Gmdrm	hyper	CHG	0.1803
Gm10	25376523	25377281	Gmdrm	hyper	CHG	0.1205
Gm10	25377383	25377527	Gmdrm	hyper	CHG	0.368
Gm10	25380622	25380719	Gmdrm	hyper	CHG	0.302
Gm10	25397039	25397649	Gmdrm	hyper	CHG	0.1117
Gm10	25576290	25576530	Gmdrm	hyper	CHG	0.3967
Gm10	25668607	25668717	Gmdrm	hyper	CHG	0.15
Gm10	25787081	25787143	Gmdrm	hyper	CHG	0.2525
Gm10	26096810	26096860	Gmdrm	hyper	CHG	0.208
Gm10	26509781	26510050	Gmdrm	hyper	CHG	0.06
Gm10	26706573	26707121	Gmdrm	hyper	CHG	0.1244
Gm10	27101283	27101625	Gmdrm	hyper	CHG	0.2904
Gm10	27102934	27103274	Gmdrm	hyper	CHG	0.41
Gm10	27199301	27199837	Gmdrm	hyper	CHG	0.047
Gm10	27264961	27265007	Gmdrm	hyper	CHG	0.125
Gm10	27535814	27535844	Gmdrm	hyper	CHG	0.316
Gm10	27592419	27592457	Gmdrm	hyper	CHG	0.17
Gm10	27639001	27639098	Gmdrm	hyper	CHG	0.41
Gm10	28021886	28021991	Gmdrm	hyper	CHG	0.174
Gm10	28532089	28532159	Gmdrm	hyper	CHG	0.4134
Gm10	28569068	28569966	Gmdrm	hyper	CHG	0.1062
Gm10	28583936	28584000	Gmdrm	hyper	CHG	0.1934
Gm10	28666504	28666806	Gmdrm	hyper	CHG	0.0257
Gm10	29216075	29216379	Gmdrm	hyper	CHG	0.1382
Gm10	29316530	29316949	Gmdrm	hyper	CHG	0.31
Gm10	29533728	29533816	Gmdrm	hyper	CHG	0.346
Gm10	30099267	30099464	Gmdrm	hyper	CHG	0.2166
Gm10	30141684	30141853	Gmdrm	hyper	CHG	0.032
Gm10	30146297	30146522	Gmdrm	hyper	CHG	0.0325
Gm10	30227924	30228485	Gmdrm	hyper	CHG	0.0393
Gm10	30415920	30415938	Gmdrm	hyper	CHG	0.2133
Gm10	30518348	30518627	Gmdrm	hyper	CHG	0.0463
Gm10	30682818	30683710	Gmdrm	hyper	CHG	0.2479

Gm10	30708356	30708545	Gmdrm	hyper	CHG	0.03
Gm10	30712375	30712505	Gmdrm	hyper	CHG	0.1011
Gm10	30734407	30734432	Gmdrm	hyper	CHG	0.3
Gm10	31127669	31128073	Gmdrm	hyper	CHG	0.3135
Gm10	31128181	31128542	Gmdrm	hyper	CHG	0.3405
Gm10	31433052	31433593	Gmdrm	hyper	CHG	0.0591
Gm10	31433716	31433989	Gmdrm	hyper	CHG	0.04
Gm10	32140095	32140242	Gmdrm	hyper	CHG	0.0643
Gm10	32226925	32227102	Gmdrm	hyper	CHG	0.0666
Gm10	32292799	32293180	Gmdrm	hyper	CHG	0.3642
Gm10	32320480	32320703	Gmdrm	hyper	CHG	0.157
Gm10	32410174	32410368	Gmdrm	hyper	CHG	0.56
Gm10	32410535	32410817	Gmdrm	hyper	CHG	0.5267
Gm10	32410995	32411188	Gmdrm	hyper	CHG	0.4987
Gm10	32530141	32530257	Gmdrm	hyper	CHG	0.038
Gm10	32580586	32580801	Gmdrm	hyper	CHG	0.055
Gm10	32833799	32833862	Gmdrm	hyper	CHG	0.16
Gm10	33681325	33681409	Gmdrm	hyper	CHG	0.1888
Gm10	34030102	34030346	Gmdrm	hyper	CHG	0.5027
Gm10	34030461	34030691	Gmdrm	hyper	CHG	0.5429
Gm10	34030797	34031494	Gmdrm	hyper	CHG	0.5587
Gm10	34037762	34037858	Gmdrm	hyper	CHG	0.0983
Gm10	34075024	34075129	Gmdrm	hyper	CHG	0.1385
Gm10	34678030	34678225	Gmdrm	hyper	CHG	0.4575
Gm10	34789827	34789944	Gmdrm	hyper	CHG	0.379
Gm10	34929149	34929168	Gmdrm	hyper	CHG	0.192
Gm10	35151994	35152087	Gmdrm	hyper	CHG	0.036
Gm10	35263672	35263767	Gmdrm	hyper	CHG	0.4316
Gm10	35335862	35336251	Gmdrm	hyper	CHG	0.3405
Gm10	35336706	35337142	Gmdrm	hyper	CHG	0.1895
Gm10	35346863	35347437	Gmdrm	hyper	CHG	0.2521
Gm10	35347619	35347727	Gmdrm	hyper	CHG	0.1434
Gm10	35440282	35440316	Gmdrm	hyper	CHG	0.395
Gm10	35574796	35574875	Gmdrm	hyper	CHG	0.074
Gm10	35679694	35679913	Gmdrm	hyper	CHG	0.0667
Gm10	35898057	35898149	Gmdrm	hyper	CHG	0.0634
Gm10	35899332	35899592	Gmdrm	hyper	CHG	0.104
Gm10	36088084	36088165	Gmdrm	hyper	CHG	0.3234
Gm10	36347544	36347620	Gmdrm	hyper	CHG	0.6833
Gm10	36503564	36503775	Gmdrm	hyper	CHG	0.2012
Gm10	36544702	36545232	Gmdrm	hyper	CHG	0.3206
Gm10	37024625	37024754	Gmdrm	hyper	CHG	0.042
Gm10	37332073	37332302	Gmdrm	hyper	CHG	0.084
Gm10	37564977	37565078	Gmdrm	hyper	CHG	0.0983
Gm10	37575766	37575905	Gmdrm	hyper	CHG	0.0643
Gm10	37613008	37613649	Gmdrm	hyper	CHG	0.2456

Gm10	37671350	37671457	Gmdrm	hyper	CHG	0.3044
Gm10	37981332	37982331	Gmdrm	hyper	CHG	0.2036
Gm10	37982333	37982574	Gmdrm	hyper	CHG	0.5259
Gm10	38050309	38050490	Gmdrm	hyper	CHG	0.0417
Gm10	38122490	38122757	Gmdrm	hyper	CHG	0.067
Gm10	38237015	38237225	Gmdrm	hyper	CHG	0.07
Gm10	38240916	38241196	Gmdrm	hyper	CHG	0.0364
Gm10	38361377	38361554	Gmdrm	hyper	CHG	0.055
Gm10	38391107	38391299	Gmdrm	hyper	CHG	0.0613
Gm10	38479909	38480430	Gmdrm	hyper	CHG	0.0333
Gm10	38598521	38598579	Gmdrm	hyper	CHG	0.1728
Gm10	38910313	38910504	Gmdrm	hyper	CHG	0.042
Gm10	38940334	38940641	Gmdrm	hyper	CHG	0.032
Gm10	39022198	39022375	Gmdrm	hyper	CHG	0.045
Gm10	39167468	39167622	Gmdrm	hyper	CHG	0.04
Gm10	39272221	39272301	Gmdrm	hyper	CHG	0.05
Gm10	39556890	39556986	Gmdrm	hyper	CHG	0.054
Gm10	39677261	39677535	Gmdrm	hyper	CHG	0.0238
Gm10	39876204	39876294	Gmdrm	hyper	CHG	0.0517
Gm10	40044444	40044741	Gmdrm	hyper	CHG	0.03
Gm10	40083132	40083529	Gmdrm	hyper	CHG	0.0477
Gm10	40099413	40099738	Gmdrm	hyper	CHG	0.0377
Gm10	40135902	40136052	Gmdrm	hyper	CHG	0.068
Gm10	40200642	40200723	Gmdrm	hyper	CHG	0.1185
Gm10	40249876	40250095	Gmdrm	hyper	CHG	0.0566
Gm10	40410296	40410350	Gmdrm	hyper	CHG	0.1838
Gm10	40425614	40425846	Gmdrm	hyper	CHG	0.06
Gm10	40586589	40586766	Gmdrm	hyper	CHG	0.0726
Gm10	40660047	40660332	Gmdrm	hyper	CHG	0.0255
Gm10	40671834	40671927	Gmdrm	hyper	CHG	0.035
Gm10	40965331	40966273	Gmdrm	hyper	CHG	0.1076
Gm10	41113153	41113322	Gmdrm	hyper	CHG	0.085
Gm10	41202254	41202533	Gmdrm	hyper	CHG	0.0523
Gm10	41298355	41298500	Gmdrm	hyper	CHG	0.034
Gm10	41439874	41440087	Gmdrm	hyper	CHG	0.0388
Gm10	41456187	41456392	Gmdrm	hyper	CHG	0.03
Gm10	41472264	41472408	Gmdrm	hyper	CHG	0.0417
Gm10	41630574	41630705	Gmdrm	hyper	CHG	0.064
Gm10	41944561	41944738	Gmdrm	hyper	CHG	0.0786
Gm10	42062865	42063099	Gmdrm	hyper	CHG	0.064
Gm10	42066028	42066177	Gmdrm	hyper	CHG	0.038
Gm10	42262342	42262398	Gmdrm	hyper	CHG	0.134
Gm10	42278064	42278221	Gmdrm	hyper	CHG	0.0486
Gm10	42291700	42292230	Gmdrm	hyper	CHG	0.0256
Gm10	42322017	42322161	Gmdrm	hyper	CHG	0.0267
Gm10	42492733	42493287	Gmdrm	hyper	CHG	0.0231

Gm10	42511511	42511748	Gmdrm	hyper	CHG	0.0289
Gm10	42525609	42525928	Gmdrm	hyper	CHG	0.0633
Gm10	42588920	42589148	Gmdrm	hyper	CHG	0.042
Gm10	42629322	42629634	Gmdrm	hyper	CHG	0.0558
Gm10	42719306	42719570	Gmdrm	hyper	CHG	0.0467
Gm10	42783906	42784120	Gmdrm	hyper	CHG	0.03
Gm10	42889329	42889600	Gmdrm	hyper	CHG	0.0477
Gm10	42915925	42916344	Gmdrm	hyper	CHG	0.035
Gm10	42932099	42932302	Gmdrm	hyper	CHG	0.0771
Gm10	42951696	42951970	Gmdrm	hyper	CHG	0.0586
Gm10	43033311	43033627	Gmdrm	hyper	CHG	0.0486
Gm10	43054169	43054240	Gmdrm	hyper	CHG	0.036
Gm10	43070353	43070724	Gmdrm	hyper	CHG	0.0336
Gm10	43257752	43257981	Gmdrm	hyper	CHG	0.04
Gm10	43333301	43333315	Gmdrm	hyper	CHG	0.275
Gm10	43341722	43341932	Gmdrm	hyper	CHG	0.056
Gm10	43390257	43390673	Gmdrm	hyper	CHG	0.054
Gm10	43428902	43429013	Gmdrm	hyper	CHG	0.0367
Gm10	43709975	43710193	Gmdrm	hyper	CHG	0.052
Gm10	43813784	43814087	Gmdrm	hyper	CHG	0.04
Gm10	44055013	44055044	Gmdrm	hyper	CHG	0.0533
Gm10	44172341	44172619	Gmdrm	hyper	CHG	0.0328
Gm10	44193330	44193745	Gmdrm	hyper	CHG	0.0665
Gm10	44245971	44246118	Gmdrm	hyper	CHG	0.0483
Gm10	44309008	44309142	Gmdrm	hyper	CHG	0.0757
Gm10	44377095	44377354	Gmdrm	hyper	CHG	0.039
Gm10	44484087	44484230	Gmdrm	hyper	CHG	0.046
Gm10	44543673	44543968	Gmdrm	hyper	CHG	0.0529
Gm10	44593109	44593336	Gmdrm	hyper	CHG	0.095
Gm10	44645777	44645958	Gmdrm	hyper	CHG	0.054
Gm10	44842872	44843233	Gmdrm	hyper	CHG	0.0312
Gm10	45013278	45013470	Gmdrm	hyper	CHG	0.0317
Gm10	45192161	45192457	Gmdrm	hyper	CHG	0.0337
Gm10	45242637	45242801	Gmdrm	hyper	CHG	0.0414
Gm10	45376223	45377145	Gmdrm	hyper	CHG	0.0805
Gm10	45380336	45380610	Gmdrm	hyper	CHG	0.03
Gm10	45416847	45416975	Gmdrm	hyper	CHG	0.0643
Gm10	45523786	45523943	Gmdrm	hyper	CHG	0.0383
Gm10	45616470	45616677	Gmdrm	hyper	CHG	0.106
Gm10	45735645	45735811	Gmdrm	hyper	CHG	0.0386
Gm10	45811362	45811854	Gmdrm	hyper	CHG	0.048
Gm10	45898301	45898572	Gmdrm	hyper	CHG	0.045
Gm10	45932145	45932364	Gmdrm	hyper	CHG	0.0286
Gm10	45961315	45961461	Gmdrm	hyper	CHG	0.0371
Gm10	45970493	45970813	Gmdrm	hyper	CHG	0.0346
Gm10	45989507	45989998	Gmdrm	hyper	CHG	0.0633

Gm10	46032959	46033045	Gmdrm	hyper	CHG	0.0528
Gm10	46034106	46034197	Gmdrm	hyper	CHG	0.0451
Gm10	46056915	46057156	Gmdrm	hyper	CHG	0.0467
Gm10	46110327	46110443	Gmdrm	hyper	CHG	0.058
Gm10	46264375	46264659	Gmdrm	hyper	CHG	0.0471
Gm10	46268562	46268773	Gmdrm	hyper	CHG	0.034
Gm10	46433642	46433738	Gmdrm	hyper	CHG	0.0346
Gm10	46553489	46553664	Gmdrm	hyper	CHG	0.5625
Gm10	46640018	46640368	Gmdrm	hyper	CHG	0.0267
Gm10	46800872	46801073	Gmdrm	hyper	CHG	0.0467
Gm10	46973907	46974046	Gmdrm	hyper	CHG	0.0317
Gm10	46991694	46991794	Gmdrm	hyper	CHG	0.09
Gm10	47051718	47051830	Gmdrm	hyper	CHG	0.0471
Gm10	47057896	47057995	Gmdrm	hyper	CHG	0.034
Gm10	47078242	47078422	Gmdrm	hyper	CHG	0.068
Gm10	47274175	47274406	Gmdrm	hyper	CHG	0.0489
Gm10	47288395	47288500	Gmdrm	hyper	CHG	0.052
Gm10	47311397	47311536	Gmdrm	hyper	CHG	0.0517
Gm10	47432813	47433039	Gmdrm	hyper	CHG	0.0357
Gm10	47487264	47487531	Gmdrm	hyper	CHG	0.0309
Gm10	47498791	47498980	Gmdrm	hyper	CHG	0.0372
Gm10	47500718	47500875	Gmdrm	hyper	CHG	0.03
Gm10	47512995	47513119	Gmdrm	hyper	CHG	0.102
Gm10	47611174	47611319	Gmdrm	hyper	CHG	0.0411
Gm10	47710548	47710695	Gmdrm	hyper	CHG	0.095
Gm10	47761694	47761968	Gmdrm	hyper	CHG	0.0456
Gm10	47819603	47819695	Gmdrm	hyper	CHG	0.064
Gm10	47980780	47981069	Gmdrm	hyper	CHG	0.046
Gm10	48067098	48067229	Gmdrm	hyper	CHG	0.04
Gm10	48074530	48074771	Gmdrm	hyper	CHG	0.0372
Gm10	48128246	48128482	Gmdrm	hyper	CHG	0.114
Gm10	48160600	48160706	Gmdrm	hyper	CHG	0.066
Gm10	48198325	48198491	Gmdrm	hyper	CHG	0.026
Gm10	48341272	48341413	Gmdrm	hyper	CHG	0.5029
Gm10	48413298	48413595	Gmdrm	hyper	CHG	0.0427
Gm10	48415257	48415721	Gmdrm	hyper	CHG	0.05
Gm10	48625036	48625238	Gmdrm	hyper	CHG	0.0629
Gm10	48664464	48664704	Gmdrm	hyper	CHG	0.0572
Gm10	48668106	48668236	Gmdrm	hyper	CHG	0.0289
Gm10	48678338	48678606	Gmdrm	hyper	CHG	0.07
Gm10	48692500	48692893	Gmdrm	hyper	CHG	0.3913
Gm10	48780506	48780619	Gmdrm	hyper	CHG	0.0457
Gm10	48824578	48824825	Gmdrm	hyper	CHG	0.0553
Gm10	48842032	48842204	Gmdrm	hyper	CHG	0.04
Gm10	48871335	48871730	Gmdrm	hyper	CHG	0.3731
Gm10	48927505	48927757	Gmdrm	hyper	CHG	0.0892

Gm10	48987459	48987672	Gmdrm	hyper	CHG	0.0289
Gm10	49061929	49062244	Gmdrm	hyper	CHG	0.1552
Gm10	49139646	49140082	Gmdrm	hyper	CHG	0.0364
Gm10	49149714	49149938	Gmdrm	hyper	CHG	0.0243
Gm10	49336251	49336385	Gmdrm	hyper	CHG	0.0357
Gm10	49375804	49376017	Gmdrm	hyper	CHG	0.052
Gm10	49400731	49400859	Gmdrm	hyper	CHG	0.0633
Gm10	49437496	49437964	Gmdrm	hyper	CHG	0.02
Gm10	49526300	49526362	Gmdrm	hyper	CHG	0.046
Gm10	49811217	49811361	Gmdrm	hyper	CHG	0.038
Gm10	49882720	49882824	Gmdrm	hyper	CHG	0.0212
Gm10	49949938	49950244	Gmdrm	hyper	CHG	0.0457
Gm10	49984555	49984711	Gmdrm	hyper	CHG	0.075
Gm10	50205092	50205263	Gmdrm	hyper	CHG	0.0589
Gm10	50227619	50227759	Gmdrm	hyper	CHG	0.056
Gm10	50458592	50458821	Gmdrm	hyper	CHG	0.036
Gm10	50466851	50466956	Gmdrm	hyper	CHG	0.04
Gm10	50505995	50506085	Gmdrm	hyper	CHG	0.132
Gm10	50647314	50647614	Gmdrm	hyper	CHG	0.04
Gm10	50670750	50670994	Gmdrm	hyper	CHG	0.0537
Gm10	50784937	50785098	Gmdrm	hyper	CHG	0.058
Gm10	50856720	50857005	Gmdrm	hyper	CHG	0.0917
Gm10	50892841	50892965	Gmdrm	hyper	CHG	0.0233
Gm10	50932004	50932096	Gmdrm	hyper	CHG	0.064
Gm10	50952821	50952947	Gmdrm	hyper	CHG	0.0614
Gm10	51015883	51016123	Gmdrm	hyper	CHG	0.0658
Gm10	51056207	51056465	Gmdrm	hyper	CHG	0.024
Gm10	51064484	51064728	Gmdrm	hyper	CHG	0.055
Gm10	51066802	51066963	Gmdrm	hyper	CHG	0.03
Gm10	51092091	51092242	Gmdrm	hyper	CHG	0.0533
Gm10	51336738	51337180	Gmdrm	hyper	CHG	0.0354
Gm10	51355772	51356015	Gmdrm	hyper	CHG	0.08
Gm10	51428598	51428948	Gmdrm	hyper	CHG	0.04
Gm10	51500251	51500365	Gmdrm	hyper	CHG	0.044
Gm10	51579777	51580247	Gmdrm	hyper	CHG	0.0458
Gm10	51595698	51595852	Gmdrm	hyper	CHG	0.0354
Gm10_scaffo	34015	34129	Gmdrm	hyper	CHG	0.296
Gm10_scaffo	111	217	Gmdrm	hyper	CHG	0.392
Gm11	17997	18466	Gmdrm	hyper	CHG	0.044
Gm11	77522	77798	Gmdrm	hyper	CHG	0.0938
Gm11	288775	288938	Gmdrm	hyper	CHG	0.0329
Gm11	298056	298253	Gmdrm	hyper	CHG	0.0357
Gm11	312198	312665	Gmdrm	hyper	CHG	0.0272
Gm11	422412	423090	Gmdrm	hyper	CHG	0.055
Gm11	451079	451301	Gmdrm	hyper	CHG	0.102
Gm11	650344	650537	Gmdrm	hyper	CHG	0.0586

Gm11	703570	703684	Gmdrm	hyper	CHG	0.046
Gm11	789601	789791	Gmdrm	hyper	CHG	0.056
Gm11	805528	805707	Gmdrm	hyper	CHG	0.0575
Gm11	878590	878991	Gmdrm	hyper	CHG	0.047
Gm11	886672	886691	Gmdrm	hyper	CHG	0.04
Gm11	1048562	1048676	Gmdrm	hyper	CHG	0.049
Gm11	1088302	1088489	Gmdrm	hyper	CHG	0.04
Gm11	1233310	1233565	Gmdrm	hyper	CHG	0.08
Gm11	1372585	1372709	Gmdrm	hyper	CHG	0.056
Gm11	1482140	1482243	Gmdrm	hyper	CHG	0.0337
Gm11	1646970	1647236	Gmdrm	hyper	CHG	0.0371
Gm11	1695225	1695415	Gmdrm	hyper	CHG	0.038
Gm11	1717765	1718096	Gmdrm	hyper	CHG	0.04
Gm11	1721909	1722130	Gmdrm	hyper	CHG	0.037
Gm11	1745009	1745260	Gmdrm	hyper	CHG	0.0457
Gm11	1772911	1773316	Gmdrm	hyper	CHG	0.0345
Gm11	1833362	1833779	Gmdrm	hyper	CHG	0.047
Gm11	1851474	1851602	Gmdrm	hyper	CHG	0.042
Gm11	1976599	1976725	Gmdrm	hyper	CHG	0.0316
Gm11	2070374	2070755	Gmdrm	hyper	CHG	0.0762
Gm11	2114774	2115059	Gmdrm	hyper	CHG	0.0817
Gm11	2243445	2243827	Gmdrm	hyper	CHG	0.0345
Gm11	2356980	2357520	Gmdrm	hyper	CHG	0.0412
Gm11	2362122	2362208	Gmdrm	hyper	CHG	0.035
Gm11	2517862	2518000	Gmdrm	hyper	CHG	0.1333
Gm11	2594796	2595131	Gmdrm	hyper	CHG	0.0516
Gm11	2665572	2665727	Gmdrm	hyper	CHG	0.06
Gm11	2753271	2753540	Gmdrm	hyper	CHG	0.04
Gm11	2768810	2768967	Gmdrm	hyper	CHG	0.036
Gm11	2801156	2801247	Gmdrm	hyper	CHG	0.07
Gm11	2808010	2808035	Gmdrm	hyper	CHG	0.056
Gm11	2911009	2911500	Gmdrm	hyper	CHG	0.045
Gm11	3001965	3002159	Gmdrm	hyper	CHG	0.039
Gm11	3113471	3113767	Gmdrm	hyper	CHG	0.0375
Gm11	3124516	3124698	Gmdrm	hyper	CHG	0.078
Gm11	3146629	3147262	Gmdrm	hyper	CHG	0.0359
Gm11	3273832	3274138	Gmdrm	hyper	CHG	0.0429
Gm11	3325565	3325841	Gmdrm	hyper	CHG	0.0222
Gm11	3342258	3342417	Gmdrm	hyper	CHG	0.03
Gm11	3514885	3515324	Gmdrm	hyper	CHG	0.0578
Gm11	3628596	3628808	Gmdrm	hyper	CHG	0.0411
Gm11	3711171	3711397	Gmdrm	hyper	CHG	0.046
Gm11	3720242	3720343	Gmdrm	hyper	CHG	0.026
Gm11	3813378	3813540	Gmdrm	hyper	CHG	0.0743
Gm11	4063986	4064090	Gmdrm	hyper	CHG	0.0567
Gm11	4141352	4141456	Gmdrm	hyper	CHG	0.06

Gm11	4188743	4188994	Gmdrm	hyper	CHG	0.0883
Gm11	4328299	4328452	Gmdrm	hyper	CHG	0.0391
Gm11	4336806	4337145	Gmdrm	hyper	CHG	0.05
Gm11	4367952	4368034	Gmdrm	hyper	CHG	0.05
Gm11	4415574	4415796	Gmdrm	hyper	CHG	0.115
Gm11	4571743	4571880	Gmdrm	hyper	CHG	0.0443
Gm11	4667557	4667862	Gmdrm	hyper	CHG	0.03
Gm11	4716198	4716377	Gmdrm	hyper	CHG	0.034
Gm11	4951063	4951369	Gmdrm	hyper	CHG	0.0212
Gm11	5090233	5090332	Gmdrm	hyper	CHG	0.024
Gm11	5092440	5092566	Gmdrm	hyper	CHG	0.0537
Gm11	5250776	5250883	Gmdrm	hyper	CHG	0.042
Gm11	5303558	5303763	Gmdrm	hyper	CHG	0.09
Gm11	5314362	5314536	Gmdrm	hyper	CHG	0.04
Gm11	5374054	5374166	Gmdrm	hyper	CHG	0.03
Gm11	5396357	5396507	Gmdrm	hyper	CHG	0.048
Gm11	5557830	5558075	Gmdrm	hyper	CHG	0.0677
Gm11	5685367	5685746	Gmdrm	hyper	CHG	0.0264
Gm11	5762359	5762994	Gmdrm	hyper	CHG	0.2189
Gm11	5799984	5800072	Gmdrm	hyper	CHG	0.098
Gm11	5878517	5878767	Gmdrm	hyper	CHG	0.1373
Gm11	5936382	5936520	Gmdrm	hyper	CHG	0.046
Gm11	5936658	5936805	Gmdrm	hyper	CHG	0.0443
Gm11	6145557	6145850	Gmdrm	hyper	CHG	0.026
Gm11	6218963	6219166	Gmdrm	hyper	CHG	0.0358
Gm11	6275550	6275628	Gmdrm	hyper	CHG	0.046
Gm11	6502221	6502387	Gmdrm	hyper	CHG	0.058
Gm11	6570554	6570856	Gmdrm	hyper	CHG	0.0306
Gm11	6587887	6588310	Gmdrm	hyper	CHG	0.0284
Gm11	6700346	6700550	Gmdrm	hyper	CHG	0.05
Gm11	6760476	6760693	Gmdrm	hyper	CHG	0.0357
Gm11	6802060	6802306	Gmdrm	hyper	CHG	0.0411
Gm11	6835472	6835648	Gmdrm	hyper	CHG	0.05
Gm11	6842501	6842710	Gmdrm	hyper	CHG	0.1967
Gm11	6991788	6992147	Gmdrm	hyper	CHG	0.0469
Gm11	6998479	6998731	Gmdrm	hyper	CHG	0.0346
Gm11	7085750	7086186	Gmdrm	hyper	CHG	0.0307
Gm11	7089659	7089807	Gmdrm	hyper	CHG	0.04
Gm11	7135173	7135333	Gmdrm	hyper	CHG	0.0433
Gm11	7205178	7205351	Gmdrm	hyper	CHG	0.1157
Gm11	7214739	7215010	Gmdrm	hyper	CHG	0.066
Gm11	7222518	7223195	Gmdrm	hyper	CHG	0.0865
Gm11	7228040	7228126	Gmdrm	hyper	CHG	0.062
Gm11	7284237	7284316	Gmdrm	hyper	CHG	0.0383
Gm11	7336295	7336652	Gmdrm	hyper	CHG	0.0323
Gm11	7352056	7352179	Gmdrm	hyper	CHG	0.0833

Gm11	7352997	7353086	Gmdrm	hyper	CHG	0.0383
Gm11	7356232	7356337	Gmdrm	hyper	CHG	0.055
Gm11	7419901	7420001	Gmdrm	hyper	CHG	0.03
Gm11	7431019	7431196	Gmdrm	hyper	CHG	0.0271
Gm11	7448879	7449093	Gmdrm	hyper	CHG	0.08
Gm11	7452229	7452499	Gmdrm	hyper	CHG	0.0517
Gm11	7476740	7477178	Gmdrm	hyper	CHG	0.0584
Gm11	7585666	7585756	Gmdrm	hyper	CHG	0.0357
Gm11	7613914	7614044	Gmdrm	hyper	CHG	0.034
Gm11	7753078	7753182	Gmdrm	hyper	CHG	0.135
Gm11	7768839	7769053	Gmdrm	hyper	CHG	0.1471
Gm11	7893913	7894032	Gmdrm	hyper	CHG	0.092
Gm11	7931532	7931591	Gmdrm	hyper	CHG	0.062
Gm11	8010596	8010921	Gmdrm	hyper	CHG	0.103
Gm11	8082316	8082547	Gmdrm	hyper	CHG	0.068
Gm11	8176007	8176188	Gmdrm	hyper	CHG	0.0433
Gm11	8251585	8251729	Gmdrm	hyper	CHG	0.0357
Gm11	8358335	8358510	Gmdrm	hyper	CHG	0.036
Gm11	8431921	8432189	Gmdrm	hyper	CHG	0.0428
Gm11	8443473	8443556	Gmdrm	hyper	CHG	0.1643
Gm11	8519022	8519200	Gmdrm	hyper	CHG	0.0357
Gm11	8599676	8600238	Gmdrm	hyper	CHG	0.025
Gm11	8620322	8620774	Gmdrm	hyper	CHG	0.0436
Gm11	8693354	8693504	Gmdrm	hyper	CHG	0.1534
Gm11	8910977	8911159	Gmdrm	hyper	CHG	0.04
Gm11	9042898	9043277	Gmdrm	hyper	CHG	0.0366
Gm11	9100334	9100461	Gmdrm	hyper	CHG	0.044
Gm11	9190276	9190318	Gmdrm	hyper	CHG	0.062
Gm11	9222823	9222914	Gmdrm	hyper	CHG	0.058
Gm11	9353067	9353201	Gmdrm	hyper	CHG	0.0467
Gm11	9361357	9361427	Gmdrm	hyper	CHG	0.044
Gm11	9410348	9411014	Gmdrm	hyper	CHG	0.0525
Gm11	9412533	9412785	Gmdrm	hyper	CHG	0.0525
Gm11	9488066	9488326	Gmdrm	hyper	CHG	0.0314
Gm11	9606013	9606092	Gmdrm	hyper	CHG	0.068
Gm11	9704861	9705115	Gmdrm	hyper	CHG	0.045
Gm11	9722650	9722880	Gmdrm	hyper	CHG	0.0316
Gm11	9858581	9859057	Gmdrm	hyper	CHG	0.3226
Gm11	9940128	9940292	Gmdrm	hyper	CHG	0.098
Gm11	10270334	10270453	Gmdrm	hyper	CHG	0.06
Gm11	10275616	10275761	Gmdrm	hyper	CHG	0.06
Gm11	10381449	10381529	Gmdrm	hyper	CHG	0.4184
Gm11	10472847	10473089	Gmdrm	hyper	CHG	0.0789
Gm11	10558202	10558470	Gmdrm	hyper	CHG	0.0523
Gm11	10661569	10661811	Gmdrm	hyper	CHG	0.03
Gm11	10763364	10763723	Gmdrm	hyper	CHG	0.0338

Gm11	10774696	10774842	Gmdrm	hyper	CHG	0.0517
Gm11	10934599	10934681	Gmdrm	hyper	CHG	0.046
Gm11	10986805	10986894	Gmdrm	hyper	CHG	0.036
Gm11	11063716	11064048	Gmdrm	hyper	CHG	0.0408
Gm11	11268419	11268686	Gmdrm	hyper	CHG	0.0383
Gm11	11379313	11379331	Gmdrm	hyper	CHG	0.17
Gm11	11455186	11455228	Gmdrm	hyper	CHG	0.05
Gm11	11456083	11456261	Gmdrm	hyper	CHG	0.0385
Gm11	11641141	11641493	Gmdrm	hyper	CHG	0.0467
Gm11	11687287	11687526	Gmdrm	hyper	CHG	0.0783
Gm11	11694543	11694807	Gmdrm	hyper	CHG	0.072
Gm11	11716712	11716791	Gmdrm	hyper	CHG	0.15
Gm11	11737040	11737642	Gmdrm	hyper	CHG	0.57
Gm11	11789353	11789899	Gmdrm	hyper	CHG	0.2358
Gm11	11790578	11790688	Gmdrm	hyper	CHG	0.3222
Gm11	11790828	11791190	Gmdrm	hyper	CHG	0.208
Gm11	11791308	11791592	Gmdrm	hyper	CHG	0.195
Gm11	11792201	11792855	Gmdrm	hyper	CHG	0.1891
Gm11	11797387	11797504	Gmdrm	hyper	CHG	0.19
Gm11	11797702	11798214	Gmdrm	hyper	CHG	0.14
Gm11	11798607	11798839	Gmdrm	hyper	CHG	0.3309
Gm11	11799261	11800122	Gmdrm	hyper	CHG	0.1217
Gm11	11800583	11800917	Gmdrm	hyper	CHG	0.1424
Gm11	11801042	11802001	Gmdrm	hyper	CHG	0.1073
Gm11	11805185	11805400	Gmdrm	hyper	CHG	0.1749
Gm11	11805670	11806625	Gmdrm	hyper	CHG	0.1049
Gm11	11806812	11807798	Gmdrm	hyper	CHG	0.131
Gm11	11813436	11814211	Gmdrm	hyper	CHG	0.0628
Gm11	12057165	12057485	Gmdrm	hyper	CHG	0.1133
Gm11	12105963	12106254	Gmdrm	hyper	CHG	0.1969
Gm11	12379733	12380344	Gmdrm	hyper	CHG	0.2361
Gm11	12778885	12779880	Gmdrm	hyper	CHG	0.2429
Gm11	12784115	12784245	Gmdrm	hyper	CHG	0.2275
Gm11	12898534	12898880	Gmdrm	hyper	CHG	0.3328
Gm11	13640153	13641134	Gmdrm	hyper	CHG	0.0545
Gm11	14033626	14033763	Gmdrm	hyper	CHG	0.1283
Gm11	14159779	14160153	Gmdrm	hyper	CHG	0.3173
Gm11	14397868	14398051	Gmdrm	hyper	CHG	0.3337
Gm11	14553541	14553660	Gmdrm	hyper	CHG	0.243
Gm11	14553779	14554290	Gmdrm	hyper	CHG	0.2726
Gm11	14784878	14785171	Gmdrm	hyper	CHG	0.5419
Gm11	15148502	15149472	Gmdrm	hyper	CHG	0.1252
Gm11	15224811	15224960	Gmdrm	hyper	CHG	0.1644
Gm11	15271313	15271477	Gmdrm	hyper	CHG	0.3986
Gm11	15509444	15510014	Gmdrm	hyper	CHG	0.2113
Gm11	15515981	15516301	Gmdrm	hyper	CHG	0.098

Gm11	15834954	15835322	Gmdrm	hyper	CHG	0.0514
Gm11	15897647	15897829	Gmdrm	hyper	CHG	0.4589
Gm11	16055416	16055634	Gmdrm	hyper	CHG	0.048
Gm11	16258657	16258838	Gmdrm	hyper	CHG	0.0387
Gm11	16287538	16287696	Gmdrm	hyper	CHG	0.05
Gm11	16857739	16857997	Gmdrm	hyper	CHG	0.0382
Gm11	17096603	17096878	Gmdrm	hyper	CHG	0.048
Gm11	17202648	17202861	Gmdrm	hyper	CHG	0.0533
Gm11	17225418	17225519	Gmdrm	hyper	CHG	0.04
Gm11	17261634	17261821	Gmdrm	hyper	CHG	0.04
Gm11	17297739	17297878	Gmdrm	hyper	CHG	0.104
Gm11	17329405	17329636	Gmdrm	hyper	CHG	0.0425
Gm11	17651356	17651797	Gmdrm	hyper	CHG	0.041
Gm11	17842632	17842780	Gmdrm	hyper	CHG	0.052
Gm11	18002723	18003249	Gmdrm	hyper	CHG	0.1827
Gm11	18005228	18006209	Gmdrm	hyper	CHG	0.1559
Gm11	18016750	18017014	Gmdrm	hyper	CHG	0.0467
Gm11	18095484	18095641	Gmdrm	hyper	CHG	0.045
Gm11	18180037	18180226	Gmdrm	hyper	CHG	0.2772
Gm11	18527885	18528092	Gmdrm	hyper	CHG	0.287
Gm11	18528273	18528469	Gmdrm	hyper	CHG	0.2159
Gm11	18667130	18667359	Gmdrm	hyper	CHG	0.046
Gm11	18995378	18995785	Gmdrm	hyper	CHG	0.2165
Gm11	19178240	19178529	Gmdrm	hyper	CHG	0.1137
Gm11	19225965	19226713	Gmdrm	hyper	CHG	0.086
Gm11	19806824	19807122	Gmdrm	hyper	CHG	0.0388
Gm11	19970093	19970329	Gmdrm	hyper	CHG	0.1591
Gm11	20356944	20357087	Gmdrm	hyper	CHG	0.2211
Gm11	20757622	20757735	Gmdrm	hyper	CHG	0.1188
Gm11	20783805	20783867	Gmdrm	hyper	CHG	0.06
Gm11	20822255	20822580	Gmdrm	hyper	CHG	0.097
Gm11	20906490	20906597	Gmdrm	hyper	CHG	0.038
Gm11	20956363	20956496	Gmdrm	hyper	CHG	0.053
Gm11	21070307	21071125	Gmdrm	hyper	CHG	0.0651
Gm11	21181309	21181790	Gmdrm	hyper	CHG	0.0796
Gm11	21302555	21302694	Gmdrm	hyper	CHG	0.068
Gm11	21419020	21419351	Gmdrm	hyper	CHG	0.086
Gm11	21669296	21670143	Gmdrm	hyper	CHG	0.0588
Gm11	21776336	21777315	Gmdrm	hyper	CHG	0.1035
Gm11	21871001	21871082	Gmdrm	hyper	CHG	0.09
Gm11	22210424	22210480	Gmdrm	hyper	CHG	0.12
Gm11	23576921	23577069	Gmdrm	hyper	CHG	0.0883
Gm11	23579735	23579791	Gmdrm	hyper	CHG	0.054
Gm11	23699869	23700273	Gmdrm	hyper	CHG	0.4789
Gm11	23700396	23700648	Gmdrm	hyper	CHG	0.6155
Gm11	23875558	23876473	Gmdrm	hyper	CHG	0.3079

Gm11	23876581	23876923	Gmdrm	hyper	CHG	0.0591
Gm11	24081208	24081473	Gmdrm	hyper	CHG	0.0629
Gm11	24497764	24497858	Gmdrm	hyper	CHG	0.1657
Gm11	24554600	24554859	Gmdrm	hyper	CHG	0.0571
Gm11	24591136	24591433	Gmdrm	hyper	CHG	0.3357
Gm11	25089161	25089487	Gmdrm	hyper	CHG	0.5036
Gm11	25089592	25089894	Gmdrm	hyper	CHG	0.2394
Gm11	25219434	25219557	Gmdrm	hyper	CHG	0.202
Gm11	25763813	25764095	Gmdrm	hyper	CHG	0.0729
Gm11	25764938	25765173	Gmdrm	hyper	CHG	0.702
Gm11	25767764	25768000	Gmdrm	hyper	CHG	0.074
Gm11	25847570	25847713	Gmdrm	hyper	CHG	0.1725
Gm11	27221889	27222120	Gmdrm	hyper	CHG	0.1511
Gm11	27911618	27911932	Gmdrm	hyper	CHG	0.162
Gm11	28194492	28195024	Gmdrm	hyper	CHG	0.1207
Gm11	28367351	28367683	Gmdrm	hyper	CHG	0.2237
Gm11	29381944	29382016	Gmdrm	hyper	CHG	0.195
Gm11	29476827	29477268	Gmdrm	hyper	CHG	0.1962
Gm11	29566493	29566977	Gmdrm	hyper	CHG	0.1181
Gm11	29829225	29829316	Gmdrm	hyper	CHG	0.316
Gm11	30776460	30776580	Gmdrm	hyper	CHG	0.2324
Gm11	30777231	30777378	Gmdrm	hyper	CHG	0.2372
Gm11	31338952	31339432	Gmdrm	hyper	CHG	0.1391
Gm11	31658977	31659177	Gmdrm	hyper	CHG	0.3755
Gm11	31823633	31824157	Gmdrm	hyper	CHG	0.2158
Gm11	32016306	32016700	Gmdrm	hyper	CHG	0.242
Gm11	32016832	32017280	Gmdrm	hyper	CHG	0.225
Gm11	32107451	32107552	Gmdrm	hyper	CHG	0.042
Gm11	32151206	32151361	Gmdrm	hyper	CHG	0.066
Gm11	32837310	32837547	Gmdrm	hyper	CHG	0.2045
Gm11	32900302	32900792	Gmdrm	hyper	CHG	0.1038
Gm11	32980281	32980384	Gmdrm	hyper	CHG	0.0588
Gm11	32982677	32982932	Gmdrm	hyper	CHG	0.0541
Gm11	32991234	32991750	Gmdrm	hyper	CHG	0.2409
Gm11	33032631	33032990	Gmdrm	hyper	CHG	0.1029
Gm11	33140262	33140507	Gmdrm	hyper	CHG	0.44
Gm11	33414137	33414265	Gmdrm	hyper	CHG	0.036
Gm11	33516910	33517040	Gmdrm	hyper	CHG	0.2755
Gm11	33702111	33702223	Gmdrm	hyper	CHG	0.248
Gm11	33702509	33702889	Gmdrm	hyper	CHG	0.148
Gm11	33703087	33703315	Gmdrm	hyper	CHG	0.1023
Gm11	33704001	33704279	Gmdrm	hyper	CHG	0.1016
Gm11	33707770	33708034	Gmdrm	hyper	CHG	0.1505
Gm11	33708191	33708676	Gmdrm	hyper	CHG	0.7133
Gm11	33708818	33709459	Gmdrm	hyper	CHG	0.1612
Gm11	34012847	34013021	Gmdrm	hyper	CHG	0.05

Gm11	34144108	34144204	Gmdrm	hyper	CHG	0.3366
Gm11	34226276	34227247	Gmdrm	hyper	CHG	0.1778
Gm11	34269154	34269182	Gmdrm	hyper	CHG	0.322
Gm11	34315149	34315349	Gmdrm	hyper	CHG	0.042
Gm11	34409448	34409620	Gmdrm	hyper	CHG	0.3438
Gm11	34700221	34700392	Gmdrm	hyper	CHG	0.12
Gm11	35150588	35150842	Gmdrm	hyper	CHG	0.029
Gm11	35261008	35261204	Gmdrm	hyper	CHG	0.044
Gm11	35528358	35528794	Gmdrm	hyper	CHG	0.0412
Gm11	35909389	35909646	Gmdrm	hyper	CHG	0.1062
Gm11	36051747	36051875	Gmdrm	hyper	CHG	0.06
Gm11	36074089	36074301	Gmdrm	hyper	CHG	0.052
Gm11	36116883	36117036	Gmdrm	hyper	CHG	0.026
Gm11	36651394	36651463	Gmdrm	hyper	CHG	0.0543
Gm11	36960151	36960286	Gmdrm	hyper	CHG	0.0617
Gm11	37069123	37069245	Gmdrm	hyper	CHG	0.03
Gm11	37120814	37120984	Gmdrm	hyper	CHG	0.0987
Gm11	37339682	37339858	Gmdrm	hyper	CHG	0.0488
Gm11	37461345	37461735	Gmdrm	hyper	CHG	0.0413
Gm11	37494417	37494608	Gmdrm	hyper	CHG	0.036
Gm11	37623950	37624176	Gmdrm	hyper	CHG	0.0687
Gm11	37766313	37766512	Gmdrm	hyper	CHG	0.0243
Gm11	37847941	37848023	Gmdrm	hyper	CHG	0.054
Gm11	37920413	37920724	Gmdrm	hyper	CHG	0.0382
Gm11	38068631	38068838	Gmdrm	hyper	CHG	0.042
Gm11	38131773	38132060	Gmdrm	hyper	CHG	0.0283
Gm11	38153432	38153657	Gmdrm	hyper	CHG	0.03
Gm11	38174164	38174292	Gmdrm	hyper	CHG	0.048
Gm11	38319443	38319651	Gmdrm	hyper	CHG	0.0533
Gm11	38350787	38350931	Gmdrm	hyper	CHG	0.042
Gm11	38403105	38403213	Gmdrm	hyper	CHG	0.094
Gm11	38668088	38668212	Gmdrm	hyper	CHG	0.1366
Gm11	38752018	38752296	Gmdrm	hyper	CHG	0.0392
Gm11	38896251	38896622	Gmdrm	hyper	CHG	0.0434
Gm11	39023617	39023982	Gmdrm	hyper	CHG	0.04
Gm11	39057356	39057465	Gmdrm	hyper	CHG	0.034
Gm11	39084713	39084788	Gmdrm	hyper	CHG	0.0301
Gm11	39210245	39210308	Gmdrm	hyper	CHG	0.0425
Gm11	39256259	39256410	Gmdrm	hyper	CHG	0.0334
Gm11	39257967	39258148	Gmdrm	hyper	CHG	0.05
Gm11	39283106	39283468	Gmdrm	hyper	CHG	0.0457
Gm11	39411319	39411533	Gmdrm	hyper	CHG	0.0809
Gm11	39454222	39454311	Gmdrm	hyper	CHG	0.048
Gm11	39456018	39456562	Gmdrm	hyper	CHG	0.0269
Gm11	39508186	39508277	Gmdrm	hyper	CHG	0.046
Gm11	39529132	39529270	Gmdrm	hyper	CHG	0.076

Gm11_scaffol	52659	52741	Gmdrm	hyper	CHG	0.0517
Gm12	216167	216372	Gmdrm	hyper	CHG	0.0486
Gm12	230402	230614	Gmdrm	hyper	CHG	0.0888
Gm12	323404	323612	Gmdrm	hyper	CHG	0.054
Gm12	335397	335530	Gmdrm	hyper	CHG	0.0615
Gm12	420323	420531	Gmdrm	hyper	CHG	0.0372
Gm12	460698	460953	Gmdrm	hyper	CHG	0.0627
Gm12	503277	503452	Gmdrm	hyper	CHG	0.052
Gm12	606885	607213	Gmdrm	hyper	CHG	0.0331
Gm12	622955	623096	Gmdrm	hyper	CHG	0.1433
Gm12	679222	679287	Gmdrm	hyper	CHG	0.04
Gm12	699006	699132	Gmdrm	hyper	CHG	0.0317
Gm12	724096	724257	Gmdrm	hyper	CHG	0.042
Gm12	804880	805032	Gmdrm	hyper	CHG	0.05
Gm12	825578	825751	Gmdrm	hyper	CHG	0.04
Gm12	963586	963823	Gmdrm	hyper	CHG	0.035
Gm12	1048533	1048652	Gmdrm	hyper	CHG	0.0925
Gm12	1148447	1148580	Gmdrm	hyper	CHG	0.05
Gm12	1212873	1212982	Gmdrm	hyper	CHG	0.0483
Gm12	1219041	1219374	Gmdrm	hyper	CHG	0.0614
Gm12	1241808	1241891	Gmdrm	hyper	CHG	0.0517
Gm12	1266670	1267036	Gmdrm	hyper	CHG	0.0373
Gm12	1288546	1289271	Gmdrm	hyper	CHG	0.1887
Gm12	1299674	1299998	Gmdrm	hyper	CHG	0.0222
Gm12	1439956	1440122	Gmdrm	hyper	CHG	0.05
Gm12	1474790	1474956	Gmdrm	hyper	CHG	0.0529
Gm12	1478057	1478487	Gmdrm	hyper	CHG	0.078
Gm12	1566956	1567253	Gmdrm	hyper	CHG	0.0313
Gm12	1638410	1638627	Gmdrm	hyper	CHG	0.0559
Gm12	1706579	1706685	Gmdrm	hyper	CHG	0.045
Gm12	2161547	2161587	Gmdrm	hyper	CHG	0.052
Gm12	2190825	2191113	Gmdrm	hyper	CHG	0.0326
Gm12	2361445	2361568	Gmdrm	hyper	CHG	0.0533
Gm12	2384783	2385010	Gmdrm	hyper	CHG	0.0437
Gm12	2445993	2446129	Gmdrm	hyper	CHG	0.0267
Gm12	2482566	2482705	Gmdrm	hyper	CHG	0.05
Gm12	2573954	2574104	Gmdrm	hyper	CHG	0.2625
Gm12	2574235	2574435	Gmdrm	hyper	CHG	0.352
Gm12	2624936	2625100	Gmdrm	hyper	CHG	0.05
Gm12	2746950	2747467	Gmdrm	hyper	CHG	0.0246
Gm12	2957493	2957686	Gmdrm	hyper	CHG	0.0483
Gm12	3017977	3018697	Gmdrm	hyper	CHG	0.2421
Gm12	3031209	3031554	Gmdrm	hyper	CHG	0.04
Gm12	3031765	3031928	Gmdrm	hyper	CHG	0.0286
Gm12	3049758	3049790	Gmdrm	hyper	CHG	0.06
Gm12	3093098	3093241	Gmdrm	hyper	CHG	0.0338

Gm12	3103788	3104369	Gmdrm	hyper	CHG	0.0487
Gm12	3183898	3183960	Gmdrm	hyper	CHG	0.19
Gm12	3214035	3214103	Gmdrm	hyper	CHG	0.056
Gm12	3329910	3330051	Gmdrm	hyper	CHG	0.0828
Gm12	3504894	3505149	Gmdrm	hyper	CHG	0.0488
Gm12	3531552	3531800	Gmdrm	hyper	CHG	0.0586
Gm12	3555962	3556281	Gmdrm	hyper	CHG	0.1633
Gm12	3645155	3645430	Gmdrm	hyper	CHG	0.0244
Gm12	3672786	3673036	Gmdrm	hyper	CHG	0.0393
Gm12	3719611	3719804	Gmdrm	hyper	CHG	0.03
Gm12	3940691	3940822	Gmdrm	hyper	CHG	0.0417
Gm12	4000424	4000479	Gmdrm	hyper	CHG	0.032
Gm12	4028914	4029123	Gmdrm	hyper	CHG	0.0416
Gm12	4221382	4221726	Gmdrm	hyper	CHG	0.0408
Gm12	4249103	4249129	Gmdrm	hyper	CHG	0.076
Gm12	4290343	4290597	Gmdrm	hyper	CHG	0.0783
Gm12	4303233	4303483	Gmdrm	hyper	CHG	0.3226
Gm12	4341994	4342169	Gmdrm	hyper	CHG	0.044
Gm12	4348136	4348367	Gmdrm	hyper	CHG	0.0751
Gm12	4566832	4566869	Gmdrm	hyper	CHG	0.07
Gm12	4630018	4630179	Gmdrm	hyper	CHG	0.0267
Gm12	4669083	4669274	Gmdrm	hyper	CHG	0.0329
Gm12	4903489	4903530	Gmdrm	hyper	CHG	0.525
Gm12	4949739	4949902	Gmdrm	hyper	CHG	0.054
Gm12	4950074	4950185	Gmdrm	hyper	CHG	0.05
Gm12	4993743	4994081	Gmdrm	hyper	CHG	0.09
Gm12	5018958	5019408	Gmdrm	hyper	CHG	0.0333
Gm12	5049877	5050105	Gmdrm	hyper	CHG	0.06
Gm12	5064651	5064832	Gmdrm	hyper	CHG	0.0433
Gm12	5133323	5133639	Gmdrm	hyper	CHG	0.0209
Gm12	5239458	5239720	Gmdrm	hyper	CHG	0.3117
Gm12	5239821	5240762	Gmdrm	hyper	CHG	0.2786
Gm12	5379833	5380137	Gmdrm	hyper	CHG	0.0479
Gm12	5399910	5400002	Gmdrm	hyper	CHG	0.044
Gm12	5541160	5541430	Gmdrm	hyper	CHG	0.045
Gm12	5612591	5612687	Gmdrm	hyper	CHG	0.06
Gm12	5662600	5662618	Gmdrm	hyper	CHG	0.12
Gm12	5787137	5787378	Gmdrm	hyper	CHG	0.0325
Gm12	5807513	5807622	Gmdrm	hyper	CHG	0.1067
Gm12	6152162	6152251	Gmdrm	hyper	CHG	0.066
Gm12	6301572	6302118	Gmdrm	hyper	CHG	0.042
Gm12	6716184	6716603	Gmdrm	hyper	CHG	0.035
Gm12	6722469	6722659	Gmdrm	hyper	CHG	0.6633
Gm12	6754665	6755650	Gmdrm	hyper	CHG	0.4948
Gm12	6842887	6843063	Gmdrm	hyper	CHG	0.18
Gm12	6936216	6936378	Gmdrm	hyper	CHG	0.0514

Gm12	6977012	6977369	Gmdrm	hyper	CHG	0.0378
Gm12	6979216	6979475	Gmdrm	hyper	CHG	0.04
Gm12	7039896	7040054	Gmdrm	hyper	CHG	0.036
Gm12	7040687	7040849	Gmdrm	hyper	CHG	0.0629
Gm12	7236345	7236798	Gmdrm	hyper	CHG	0.0656
Gm12	7278105	7278372	Gmdrm	hyper	CHG	0.0783
Gm12	7353285	7353932	Gmdrm	hyper	CHG	0.1976
Gm12	7384749	7384926	Gmdrm	hyper	CHG	0.09
Gm12	7453720	7453875	Gmdrm	hyper	CHG	0.0733
Gm12	7484873	7485104	Gmdrm	hyper	CHG	0.2256
Gm12	7552953	7553078	Gmdrm	hyper	CHG	0.0367
Gm12	7782220	7782350	Gmdrm	hyper	CHG	0.055
Gm12	7838663	7838730	Gmdrm	hyper	CHG	0.064
Gm12	8033888	8034016	Gmdrm	hyper	CHG	0.036
Gm12	8040168	8040371	Gmdrm	hyper	CHG	0.1016
Gm12	8875294	8875805	Gmdrm	hyper	CHG	0.2347
Gm12	8969018	8969199	Gmdrm	hyper	CHG	0.0343
Gm12	9055765	9055829	Gmdrm	hyper	CHG	0.05
Gm12	9085077	9085350	Gmdrm	hyper	CHG	0.04
Gm12	9102478	9102722	Gmdrm	hyper	CHG	0.05
Gm12	9350867	9351077	Gmdrm	hyper	CHG	0.0275
Gm12	9520271	9520712	Gmdrm	hyper	CHG	0.2752
Gm12	9523997	9524024	Gmdrm	hyper	CHG	0.0988
Gm12	9547322	9547454	Gmdrm	hyper	CHG	0.2592
Gm12	9652876	9653082	Gmdrm	hyper	CHG	0.22
Gm12	9721901	9722155	Gmdrm	hyper	CHG	0.039
Gm12	9820254	9820569	Gmdrm	hyper	CHG	0.0416
Gm12	9833660	9833751	Gmdrm	hyper	CHG	0.044
Gm12	9844684	9845085	Gmdrm	hyper	CHG	0.0311
Gm12	9900030	9900333	Gmdrm	hyper	CHG	0.0466
Gm12	10256489	10256715	Gmdrm	hyper	CHG	0.3209
Gm12	10372315	10372468	Gmdrm	hyper	CHG	0.042
Gm12	10451548	10451787	Gmdrm	hyper	CHG	0.056
Gm12	10560563	10560699	Gmdrm	hyper	CHG	0.1238
Gm12	10814617	10814740	Gmdrm	hyper	CHG	0.0633
Gm12	11124900	11125329	Gmdrm	hyper	CHG	0.0367
Gm12	11269914	11270118	Gmdrm	hyper	CHG	0.074
Gm12	11642505	11642583	Gmdrm	hyper	CHG	0.0717
Gm12	11738000	11738051	Gmdrm	hyper	CHG	0.296
Gm12	11836478	11836559	Gmdrm	hyper	CHG	0.1757
Gm12	12004926	12005007	Gmdrm	hyper	CHG	0.327
Gm12	12185003	12185172	Gmdrm	hyper	CHG	0.035
Gm12	12234300	12234453	Gmdrm	hyper	CHG	0.1445
Gm12	12237709	12237829	Gmdrm	hyper	CHG	0.3733
Gm12	12449464	12449873	Gmdrm	hyper	CHG	0.2155
Gm12	12516127	12516245	Gmdrm	hyper	CHG	0.0829

Gm12	12634009	12634578	Gmdrm	hyper	CHG	0.1504
Gm12	12634941	12635072	Gmdrm	hyper	CHG	0.3766
Gm12	12831826	12831871	Gmdrm	hyper	CHG	0.2567
Gm12	12927973	12928139	Gmdrm	hyper	CHG	0.04
Gm12	13462900	13463011	Gmdrm	hyper	CHG	0.5493
Gm12	13467280	13467294	Gmdrm	hyper	CHG	0.335
Gm12	13507735	13507943	Gmdrm	hyper	CHG	0.0537
Gm12	13639941	13640447	Gmdrm	hyper	CHG	0.2772
Gm12	13650271	13650726	Gmdrm	hyper	CHG	0.0554
Gm12	13658303	13658621	Gmdrm	hyper	CHG	0.2878
Gm12	13658736	13658887	Gmdrm	hyper	CHG	0.262
Gm12	13659028	13659685	Gmdrm	hyper	CHG	0.1966
Gm12	13698365	13698781	Gmdrm	hyper	CHG	0.2765
Gm12	13698890	13699028	Gmdrm	hyper	CHG	0.1434
Gm12	13769715	13770038	Gmdrm	hyper	CHG	0.315
Gm12	13770145	13770484	Gmdrm	hyper	CHG	0.27
Gm12	13841052	13841322	Gmdrm	hyper	CHG	0.3039
Gm12	13848667	13848966	Gmdrm	hyper	CHG	0.3244
Gm12	13875750	13875999	Gmdrm	hyper	CHG	0.7022
Gm12	13917200	13917512	Gmdrm	hyper	CHG	0.083
Gm12	13938910	13939079	Gmdrm	hyper	CHG	0.2329
Gm12	13940279	13940823	Gmdrm	hyper	CHG	0.0982
Gm12	13941442	13941655	Gmdrm	hyper	CHG	0.1108
Gm12	13941794	13942154	Gmdrm	hyper	CHG	0.2118
Gm12	14227847	14228159	Gmdrm	hyper	CHG	0.0333
Gm12	14293217	14293407	Gmdrm	hyper	CHG	0.1938
Gm12	14704254	14705248	Gmdrm	hyper	CHG	0.2855
Gm12	14726804	14727508	Gmdrm	hyper	CHG	0.2416
Gm12	14727621	14728621	Gmdrm	hyper	CHG	0.3569
Gm12	14732883	14733206	Gmdrm	hyper	CHG	0.2017
Gm12	14733342	14734334	Gmdrm	hyper	CHG	0.2067
Gm12	14735210	14735309	Gmdrm	hyper	CHG	0.456
Gm12	14818114	14818158	Gmdrm	hyper	CHG	0.354
Gm12	14946879	14947155	Gmdrm	hyper	CHG	0.0743
Gm12	14988112	14988387	Gmdrm	hyper	CHG	0.1522
Gm12	15049378	15049451	Gmdrm	hyper	CHG	0.1786
Gm12	15075150	15075954	Gmdrm	hyper	CHG	0.1496
Gm12	15462522	15463041	Gmdrm	hyper	CHG	0.2141
Gm12	15567941	15568239	Gmdrm	hyper	CHG	0.061
Gm12	15698806	15698994	Gmdrm	hyper	CHG	0.268
Gm12	15701278	15701472	Gmdrm	hyper	CHG	0.335
Gm12	15767007	15767785	Gmdrm	hyper	CHG	0.2375
Gm12	15808509	15808558	Gmdrm	hyper	CHG	0.0525
Gm12	15926791	15927126	Gmdrm	hyper	CHG	0.0245
Gm12	15943898	15944402	Gmdrm	hyper	CHG	0.1657
Gm12	15980605	15980954	Gmdrm	hyper	CHG	0.1464

Gm12	16236113	16236277	Gmdrm	hyper	CHG	0.0434
Gm12	16249869	16250029	Gmdrm	hyper	CHG	0.0475
Gm12	16271690	16271841	Gmdrm	hyper	CHG	0.052
Gm12	16340541	16340824	Gmdrm	hyper	CHG	0.2354
Gm12	16894964	16895036	Gmdrm	hyper	CHG	0.1863
Gm12	17149014	17149446	Gmdrm	hyper	CHG	0.0327
Gm12	17158217	17158430	Gmdrm	hyper	CHG	0.397
Gm12	17492516	17492769	Gmdrm	hyper	CHG	0.056
Gm12	17785327	17785447	Gmdrm	hyper	CHG	0.068
Gm12	18258648	18258974	Gmdrm	hyper	CHG	0.2267
Gm12	18509144	18509345	Gmdrm	hyper	CHG	0.1966
Gm12	19093723	19093854	Gmdrm	hyper	CHG	0.0417
Gm12	19369800	19369901	Gmdrm	hyper	CHG	0.2426
Gm12	20519736	20519922	Gmdrm	hyper	CHG	0.0329
Gm12	20724134	20724193	Gmdrm	hyper	CHG	0.5683
Gm12	20737086	20737184	Gmdrm	hyper	CHG	0.368
Gm12	21009007	21009122	Gmdrm	hyper	CHG	0.1243
Gm12	21011934	21012366	Gmdrm	hyper	CHG	0.1936
Gm12	21332124	21332622	Gmdrm	hyper	CHG	0.1284
Gm12	21558248	21558406	Gmdrm	hyper	CHG	0.1067
Gm12	21752634	21753004	Gmdrm	hyper	CHG	0.3857
Gm12	22126207	22126261	Gmdrm	hyper	CHG	0.24
Gm12	22135343	22136014	Gmdrm	hyper	CHG	0.136
Gm12	22136793	22137083	Gmdrm	hyper	CHG	0.2339
Gm12	22137215	22137370	Gmdrm	hyper	CHG	0.2845
Gm12	22139314	22139608	Gmdrm	hyper	CHG	0.1417
Gm12	22140359	22140762	Gmdrm	hyper	CHG	0.2123
Gm12	22398684	22399664	Gmdrm	hyper	CHG	0.1191
Gm12	22443966	22444957	Gmdrm	hyper	CHG	0.1255
Gm12	22449314	22450246	Gmdrm	hyper	CHG	0.1357
Gm12	22784859	22785037	Gmdrm	hyper	CHG	0.101
Gm12	23519736	23519813	Gmdrm	hyper	CHG	0.1267
Gm12	23643653	23644114	Gmdrm	hyper	CHG	0.2018
Gm12	23713401	23714234	Gmdrm	hyper	CHG	0.1791
Gm12	23736400	23736530	Gmdrm	hyper	CHG	0.2057
Gm12	23786619	23787603	Gmdrm	hyper	CHG	0.1424
Gm12	23787623	23788623	Gmdrm	hyper	CHG	0.401
Gm12	23788669	23789645	Gmdrm	hyper	CHG	0.2446
Gm12	23789689	23790083	Gmdrm	hyper	CHG	0.2483
Gm12	23790633	23791628	Gmdrm	hyper	CHG	0.1765
Gm12	23865905	23866188	Gmdrm	hyper	CHG	0.0985
Gm12	24041066	24042023	Gmdrm	hyper	CHG	0.0075
Gm12	24076625	24076685	Gmdrm	hyper	CHG	0.03
Gm12	24345826	24346169	Gmdrm	hyper	CHG	0.04
Gm12	24546924	24547196	Gmdrm	hyper	CHG	0.0409
Gm12	24574610	24574885	Gmdrm	hyper	CHG	0.2157

Gm12	24767159	24767313	Gmdrm	hyper	CHG	0.2686
Gm12	25095237	25095422	Gmdrm	hyper	CHG	0.2707
Gm12	25508853	25509370	Gmdrm	hyper	CHG	0.0703
Gm12	25820080	25820117	Gmdrm	hyper	CHG	0.074
Gm12	25825256	25825653	Gmdrm	hyper	CHG	0.3211
Gm12	25919215	25919396	Gmdrm	hyper	CHG	0.2585
Gm12	27945850	27945995	Gmdrm	hyper	CHG	0.1155
Gm12	27946104	27946475	Gmdrm	hyper	CHG	0.5161
Gm12	28217718	28218136	Gmdrm	hyper	CHG	0.1823
Gm12	28349609	28349815	Gmdrm	hyper	CHG	0.05
Gm12	28826963	28827207	Gmdrm	hyper	CHG	0.1455
Gm12	28895776	28895951	Gmdrm	hyper	CHG	0.1308
Gm12	29321296	29321423	Gmdrm	hyper	CHG	0.179
Gm12	29392352	29392609	Gmdrm	hyper	CHG	0.1745
Gm12	29575887	29576383	Gmdrm	hyper	CHG	0.1351
Gm12	30057565	30057688	Gmdrm	hyper	CHG	0.1129
Gm12	30386832	30386896	Gmdrm	hyper	CHG	0.368
Gm12	31257351	31257465	Gmdrm	hyper	CHG	0.2789
Gm12	31302886	31302998	Gmdrm	hyper	CHG	0.135
Gm12	31463472	31463651	Gmdrm	hyper	CHG	0.3065
Gm12	31667780	31668499	Gmdrm	hyper	CHG	0.3228
Gm12	31759627	31759762	Gmdrm	hyper	CHG	0.289
Gm12	31788251	31788291	Gmdrm	hyper	CHG	0.1917
Gm12	31875664	31875727	Gmdrm	hyper	CHG	0.1316
Gm12	32195475	32195608	Gmdrm	hyper	CHG	0.0414
Gm12	32729249	32729403	Gmdrm	hyper	CHG	0.0825
Gm12	33192888	33193193	Gmdrm	hyper	CHG	0.45
Gm12	33299793	33299960	Gmdrm	hyper	CHG	0.0662
Gm12	33349109	33350057	Gmdrm	hyper	CHG	0.374
Gm12	33350168	33351160	Gmdrm	hyper	CHG	0.3744
Gm12	33351175	33351357	Gmdrm	hyper	CHG	0.1433
Gm12	33352481	33353458	Gmdrm	hyper	CHG	0.3985
Gm12	33353538	33353562	Gmdrm	hyper	CHG	0.185
Gm12	33490102	33490270	Gmdrm	hyper	CHG	0.0282
Gm12	33630703	33631377	Gmdrm	hyper	CHG	0.1606
Gm12	33744180	33744281	Gmdrm	hyper	CHG	0.052
Gm12	33855560	33856266	Gmdrm	hyper	CHG	0.1703
Gm12	34027338	34027498	Gmdrm	hyper	CHG	0.17
Gm12	34027607	34028211	Gmdrm	hyper	CHG	0.3603
Gm12	34028519	34028709	Gmdrm	hyper	CHG	0.2517
Gm12	34099315	34099571	Gmdrm	hyper	CHG	0.0375
Gm12	34161189	34162188	Gmdrm	hyper	CHG	0.1217
Gm12	34162226	34163201	Gmdrm	hyper	CHG	0.2039
Gm12	34395415	34395722	Gmdrm	hyper	CHG	0.1614
Gm12	34453645	34453746	Gmdrm	hyper	CHG	0.18
Gm12	34523587	34524025	Gmdrm	hyper	CHG	0.0444

Gm12	34791477	34791674	Gmdrm	hyper	CHG	0.0417
Gm12	34893036	34893163	Gmdrm	hyper	CHG	0.135
Gm12	35115678	35115783	Gmdrm	hyper	CHG	0.04
Gm12	35207751	35207856	Gmdrm	hyper	CHG	0.0287
Gm12	35252617	35252786	Gmdrm	hyper	CHG	0.0283
Gm12	35372556	35372852	Gmdrm	hyper	CHG	0.0672
Gm12	35421552	35421599	Gmdrm	hyper	CHG	0.4917
Gm12	35421721	35421812	Gmdrm	hyper	CHG	0.48
Gm12	35453287	35453492	Gmdrm	hyper	CHG	0.0671
Gm12	35593197	35593343	Gmdrm	hyper	CHG	0.0975
Gm12	35623893	35624036	Gmdrm	hyper	CHG	0.0366
Gm12	35753084	35753214	Gmdrm	hyper	CHG	0.056
Gm12	36051494	36051658	Gmdrm	hyper	CHG	0.034
Gm12	36174437	36174735	Gmdrm	hyper	CHG	0.1025
Gm12	36176543	36176557	Gmdrm	hyper	CHG	0.058
Gm12	36399004	36399916	Gmdrm	hyper	CHG	0.2568
Gm12	36404400	36404650	Gmdrm	hyper	CHG	0.0355
Gm12	36496246	36496473	Gmdrm	hyper	CHG	0.0543
Gm12	36563224	36563489	Gmdrm	hyper	CHG	0.0429
Gm12	36576702	36576899	Gmdrm	hyper	CHG	0.0828
Gm12	36615009	36615085	Gmdrm	hyper	CHG	0.088
Gm12	36790040	36790294	Gmdrm	hyper	CHG	0.2785
Gm12	36790660	36791029	Gmdrm	hyper	CHG	0.1355
Gm12	36791794	36791955	Gmdrm	hyper	CHG	0.14
Gm12	36792517	36792723	Gmdrm	hyper	CHG	0.1209
Gm12	36793205	36793679	Gmdrm	hyper	CHG	0.1533
Gm12	36794399	36794531	Gmdrm	hyper	CHG	0.215
Gm12	36795805	36796343	Gmdrm	hyper	CHG	0.1576
Gm12	36797069	36797273	Gmdrm	hyper	CHG	0.1607
Gm12	36867355	36867540	Gmdrm	hyper	CHG	0.068
Gm12	37055037	37055258	Gmdrm	hyper	CHG	0.048
Gm12	37145413	37145515	Gmdrm	hyper	CHG	0.034
Gm12	37161416	37161589	Gmdrm	hyper	CHG	0.0475
Gm12	37360667	37360935	Gmdrm	hyper	CHG	0.044
Gm12	37412530	37412672	Gmdrm	hyper	CHG	0.0378
Gm12	37515320	37515493	Gmdrm	hyper	CHG	0.046
Gm12	37655547	37655767	Gmdrm	hyper	CHG	0.062
Gm12	37829461	37829621	Gmdrm	hyper	CHG	0.04
Gm12	37883706	37884019	Gmdrm	hyper	CHG	0.044
Gm12	37943542	37943583	Gmdrm	hyper	CHG	0.4917
Gm12	38069193	38069363	Gmdrm	hyper	CHG	0.0629
Gm12	38071096	38071195	Gmdrm	hyper	CHG	0.0657
Gm12	38155004	38155060	Gmdrm	hyper	CHG	0.06
Gm12	38191403	38191534	Gmdrm	hyper	CHG	0.045
Gm12	38469146	38469334	Gmdrm	hyper	CHG	0.2947
Gm12	38616259	38616553	Gmdrm	hyper	CHG	0.0324

Gm12	38620759	38620813	Gmdrm	hyper	CHG	0.5333
Gm12	38734736	38734922	Gmdrm	hyper	CHG	0.038
Gm12	38745809	38746041	Gmdrm	hyper	CHG	0.0371
Gm12	38836133	38837095	Gmdrm	hyper	CHG	0.045
Gm12	38869752	38869885	Gmdrm	hyper	CHG	0.0675
Gm12	38910142	38910332	Gmdrm	hyper	CHG	0.0957
Gm12	39101829	39101935	Gmdrm	hyper	CHG	0.1138
Gm12	39143015	39143275	Gmdrm	hyper	CHG	0.0586
Gm12	39233257	39233379	Gmdrm	hyper	CHG	0.0475
Gm12	39345695	39346040	Gmdrm	hyper	CHG	0.073
Gm12	39381678	39381836	Gmdrm	hyper	CHG	0.0488
Gm12	39388391	39388654	Gmdrm	hyper	CHG	0.0283
Gm12	39559918	39560073	Gmdrm	hyper	CHG	0.05
Gm12	39561165	39561398	Gmdrm	hyper	CHG	0.0372
Gm12	39679615	39679868	Gmdrm	hyper	CHG	0.1925
Gm12	39768845	39769068	Gmdrm	hyper	CHG	0.06
Gm12	39810398	39810496	Gmdrm	hyper	CHG	0.094
Gm12	39917834	39917946	Gmdrm	hyper	CHG	0.0234
Gm12	40011281	40011399	Gmdrm	hyper	CHG	0.058
Gm12	40060684	40060872	Gmdrm	hyper	CHG	0.032
Gm12	40106216	40106321	Gmdrm	hyper	CHG	0.042
Gm12	40237758	40237846	Gmdrm	hyper	CHG	0.038
Gm12	40297230	40297530	Gmdrm	hyper	CHG	0.0227
Gm12	40311026	40311276	Gmdrm	hyper	CHG	0.0343
Gm12	40432189	40432560	Gmdrm	hyper	CHG	0.0433
Gm12	40524090	40524467	Gmdrm	hyper	CHG	0.0736
Gm12	40714370	40714463	Gmdrm	hyper	CHG	0.046
Gm12	40727929	40728186	Gmdrm	hyper	CHG	0.062
Gm12	40755980	40756066	Gmdrm	hyper	CHG	0.044
Gm12	40816260	40816737	Gmdrm	hyper	CHG	0.0392
Gm12	40826893	40827226	Gmdrm	hyper	CHG	0.021
Gm12	40836313	40836725	Gmdrm	hyper	CHG	0.0339
Gm12	40876837	40877127	Gmdrm	hyper	CHG	0.0483
Gm12	40937371	40937714	Gmdrm	hyper	CHG	0.0535
Gm12	40955036	40955334	Gmdrm	hyper	CHG	0.0391
Gm12	41108792	41108873	Gmdrm	hyper	CHG	0.082
Gm12	41246860	41246952	Gmdrm	hyper	CHG	0.054
Gm12	41314429	41314533	Gmdrm	hyper	CHG	0.048
Gm12	41324307	41324493	Gmdrm	hyper	CHG	0.045
Gm12	41369337	41369434	Gmdrm	hyper	CHG	0.072
Gm12	41420092	41420259	Gmdrm	hyper	CHG	0.034
Gm12	41486408	41486596	Gmdrm	hyper	CHG	0.04
Gm12	41512569	41512836	Gmdrm	hyper	CHG	0.1238
Gm12	41520213	41521151	Gmdrm	hyper	CHG	0.1779
Gm13	335723	336698	Gmdrm	hyper	CHG	0.2889
Gm13	602588	602782	Gmdrm	hyper	CHG	0.0354

Gm13	726437	726627	Gmdrm	hyper	CHG	0.046
Gm13	769331	769867	Gmdrm	hyper	CHG	0.0357
Gm13	832481	832587	Gmdrm	hyper	CHG	0.112
Gm13	1212204	1212585	Gmdrm	hyper	CHG	0.2936
Gm13	1212715	1213707	Gmdrm	hyper	CHG	0.2162
Gm13	1554819	1554869	Gmdrm	hyper	CHG	0.066
Gm13	1556970	1557425	Gmdrm	hyper	CHG	0.292
Gm13	1561506	1561688	Gmdrm	hyper	CHG	0.3334
Gm13	2071571	2071773	Gmdrm	hyper	CHG	0.199
Gm13	2095996	2096289	Gmdrm	hyper	CHG	0.1334
Gm13	2225280	2225386	Gmdrm	hyper	CHG	0.0417
Gm13	2393226	2393390	Gmdrm	hyper	CHG	0.2099
Gm13	2413444	2413525	Gmdrm	hyper	CHG	0.14
Gm13	2456382	2456496	Gmdrm	hyper	CHG	0.1043
Gm13	2551260	2551376	Gmdrm	hyper	CHG	0.1013
Gm13	2757132	2757702	Gmdrm	hyper	CHG	0.0393
Gm13	2880626	2881023	Gmdrm	hyper	CHG	0.0333
Gm13	3004150	3004284	Gmdrm	hyper	CHG	0.036
Gm13	3041138	3041455	Gmdrm	hyper	CHG	0.1706
Gm13	3289287	3289415	Gmdrm	hyper	CHG	0.3124
Gm13	3349791	3350349	Gmdrm	hyper	CHG	0.2091
Gm13	3400671	3400750	Gmdrm	hyper	CHG	0.2167
Gm13	3416337	3416574	Gmdrm	hyper	CHG	0.2454
Gm13	3427045	3427861	Gmdrm	hyper	CHG	0.1213
Gm13	3431177	3431968	Gmdrm	hyper	CHG	0.1753
Gm13	3432319	3432838	Gmdrm	hyper	CHG	0.2887
Gm13	3433117	3434089	Gmdrm	hyper	CHG	0.22
Gm13	3434143	3434717	Gmdrm	hyper	CHG	0.3034
Gm13	3435070	3435760	Gmdrm	hyper	CHG	0.1816
Gm13	3435901	3436872	Gmdrm	hyper	CHG	0.2385
Gm13	3436905	3437326	Gmdrm	hyper	CHG	0.265
Gm13	3440040	3440408	Gmdrm	hyper	CHG	0.3331
Gm13	3440730	3441464	Gmdrm	hyper	CHG	0.2462
Gm13	3441582	3442124	Gmdrm	hyper	CHG	0.3336
Gm13	3448667	3449030	Gmdrm	hyper	CHG	0.2266
Gm13	3455082	3456026	Gmdrm	hyper	CHG	0.1568
Gm13	3591866	3592035	Gmdrm	hyper	CHG	0.3711
Gm13	3616668	3617081	Gmdrm	hyper	CHG	0.3975
Gm13	3663981	3664332	Gmdrm	hyper	CHG	0.2868
Gm13	3669591	3669739	Gmdrm	hyper	CHG	0.2766
Gm13	3669864	3670046	Gmdrm	hyper	CHG	0.1377
Gm13	3817917	3818247	Gmdrm	hyper	CHG	0.2909
Gm13	3830183	3830434	Gmdrm	hyper	CHG	0.4175
Gm13	3925417	3925735	Gmdrm	hyper	CHG	0.315
Gm13	3944835	3945175	Gmdrm	hyper	CHG	0.1836
Gm13	4031057	4031872	Gmdrm	hyper	CHG	0.1815

Gm13	4032001	4032467	Gmdrm	hyper	CHG	0.1886
Gm13	4033124	4033446	Gmdrm	hyper	CHG	0.2119
Gm13	4046329	4046838	Gmdrm	hyper	CHG	0.2144
Gm13	4047025	4047255	Gmdrm	hyper	CHG	0.13
Gm13	4047380	4047962	Gmdrm	hyper	CHG	0.3319
Gm13	4054575	4055570	Gmdrm	hyper	CHG	0.1277
Gm13	4058284	4058787	Gmdrm	hyper	CHG	0.3338
Gm13	4076848	4077259	Gmdrm	hyper	CHG	0.2226
Gm13	4077362	4077698	Gmdrm	hyper	CHG	0.3655
Gm13	4082507	4082672	Gmdrm	hyper	CHG	0.3155
Gm13	4083273	4083552	Gmdrm	hyper	CHG	0.182
Gm13	4089430	4090123	Gmdrm	hyper	CHG	0.0589
Gm13	4101866	4102119	Gmdrm	hyper	CHG	0.3323
Gm13	4108992	4109216	Gmdrm	hyper	CHG	0.295
Gm13	4112795	4112850	Gmdrm	hyper	CHG	0.4128
Gm13	4117373	4117738	Gmdrm	hyper	CHG	0.264
Gm13	4124727	4124934	Gmdrm	hyper	CHG	0.4122
Gm13	4128403	4129067	Gmdrm	hyper	CHG	0.2018
Gm13	4129628	4129855	Gmdrm	hyper	CHG	0.3971
Gm13	4133645	4134117	Gmdrm	hyper	CHG	0.278
Gm13	4135030	4135134	Gmdrm	hyper	CHG	0.4167
Gm13	4135310	4135406	Gmdrm	hyper	CHG	0.42
Gm13	4135798	4135918	Gmdrm	hyper	CHG	0.4972
Gm13	4136088	4136196	Gmdrm	hyper	CHG	0.4833
Gm13	4136449	4136850	Gmdrm	hyper	CHG	0.3555
Gm13	4137053	4137498	Gmdrm	hyper	CHG	0.3463
Gm13	4138129	4138478	Gmdrm	hyper	CHG	0.315
Gm13	4141044	4141531	Gmdrm	hyper	CHG	0.4523
Gm13	4141641	4141677	Gmdrm	hyper	CHG	0.4917
Gm13	4143242	4143431	Gmdrm	hyper	CHG	0.3546
Gm13	4145791	4146267	Gmdrm	hyper	CHG	0.3505
Gm13	4147574	4147732	Gmdrm	hyper	CHG	0.4125
Gm13	4148139	4148646	Gmdrm	hyper	CHG	0.42
Gm13	4151654	4151828	Gmdrm	hyper	CHG	0.2914
Gm13	4152359	4152770	Gmdrm	hyper	CHG	0.2024
Gm13	4153285	4153816	Gmdrm	hyper	CHG	0.4035
Gm13	4153969	4154218	Gmdrm	hyper	CHG	0.4211
Gm13	4154856	4155282	Gmdrm	hyper	CHG	0.4369
Gm13	4155832	4156106	Gmdrm	hyper	CHG	0.4917
Gm13	4156794	4157660	Gmdrm	hyper	CHG	0.2955
Gm13	4159001	4159499	Gmdrm	hyper	CHG	0.4367
Gm13	4160705	4160956	Gmdrm	hyper	CHG	0.285
Gm13	4165113	4165157	Gmdrm	hyper	CHG	0.102
Gm13	4168039	4168853	Gmdrm	hyper	CHG	0.2297
Gm13	4169099	4169167	Gmdrm	hyper	CHG	0.134
Gm13	4169369	4169409	Gmdrm	hyper	CHG	0.2113

Gm13	4169619	4170356	Gmdrm	hyper	CHG	0.438
Gm13	4170764	4171670	Gmdrm	hyper	CHG	0.3971
Gm13	4176055	4176130	Gmdrm	hyper	CHG	0.1856
Gm13	4176750	4177359	Gmdrm	hyper	CHG	0.2829
Gm13	4179319	4179733	Gmdrm	hyper	CHG	0.195
Gm13	4180280	4180534	Gmdrm	hyper	CHG	0.4022
Gm13	4180792	4181241	Gmdrm	hyper	CHG	0.4466
Gm13	4181393	4181507	Gmdrm	hyper	CHG	0.258
Gm13	4182906	4183017	Gmdrm	hyper	CHG	0.164
Gm13	4183184	4183342	Gmdrm	hyper	CHG	0.517
Gm13	4183821	4183913	Gmdrm	hyper	CHG	0.245
Gm13	4187702	4188180	Gmdrm	hyper	CHG	0.1838
Gm13	4188344	4188912	Gmdrm	hyper	CHG	0.3588
Gm13	4189030	4190027	Gmdrm	hyper	CHG	0.5653
Gm13	4190336	4190527	Gmdrm	hyper	CHG	0.466
Gm13	4190976	4191434	Gmdrm	hyper	CHG	0.4191
Gm13	4191537	4192533	Gmdrm	hyper	CHG	0.4087
Gm13	4192649	4193619	Gmdrm	hyper	CHG	0.2155
Gm13	4193651	4193943	Gmdrm	hyper	CHG	0.36
Gm13	4194355	4195334	Gmdrm	hyper	CHG	0.3152
Gm13	4195405	4195610	Gmdrm	hyper	CHG	0.3324
Gm13	4195732	4195936	Gmdrm	hyper	CHG	0.4683
Gm13	4196096	4196884	Gmdrm	hyper	CHG	0.4425
Gm13	4197114	4198112	Gmdrm	hyper	CHG	0.3945
Gm13	4198130	4199007	Gmdrm	hyper	CHG	0.3271
Gm13	4199159	4199287	Gmdrm	hyper	CHG	0.4033
Gm13	4199411	4200267	Gmdrm	hyper	CHG	0.1476
Gm13	4217523	4218369	Gmdrm	hyper	CHG	0.2842
Gm13	4218886	4219685	Gmdrm	hyper	CHG	0.2589
Gm13	4220104	4220345	Gmdrm	hyper	CHG	0.4043
Gm13	4220471	4220845	Gmdrm	hyper	CHG	0.3793
Gm13	4220998	4221159	Gmdrm	hyper	CHG	0.5626
Gm13	4222147	4222299	Gmdrm	hyper	CHG	0.345
Gm13	4222426	4222517	Gmdrm	hyper	CHG	0.445
Gm13	4222908	4223196	Gmdrm	hyper	CHG	0.2019
Gm13	4223301	4223494	Gmdrm	hyper	CHG	0.367
Gm13	4224110	4224287	Gmdrm	hyper	CHG	0.3429
Gm13	4224899	4225171	Gmdrm	hyper	CHG	0.2925
Gm13	4225454	4225527	Gmdrm	hyper	CHG	0.4588
Gm13	4225694	4226041	Gmdrm	hyper	CHG	0.3628
Gm13	4226157	4226280	Gmdrm	hyper	CHG	0.5884
Gm13	4226646	4227307	Gmdrm	hyper	CHG	0.2494
Gm13	4227418	4227658	Gmdrm	hyper	CHG	0.3619
Gm13	4227759	4228169	Gmdrm	hyper	CHG	0.3668
Gm13	4228283	4229082	Gmdrm	hyper	CHG	0.344
Gm13	4229188	4229419	Gmdrm	hyper	CHG	0.411

Gm13	4229614	4229985	Gmdrm	hyper	CHG	0.4631
Gm13	4231206	4231351	Gmdrm	hyper	CHG	0.3975
Gm13	4231499	4231576	Gmdrm	hyper	CHG	0.3592
Gm13	4231842	4232756	Gmdrm	hyper	CHG	0.2477
Gm13	4233599	4233958	Gmdrm	hyper	CHG	0.2613
Gm13	4234634	4235287	Gmdrm	hyper	CHG	0.1553
Gm13	4236003	4236997	Gmdrm	hyper	CHG	0.1952
Gm13	4237265	4237287	Gmdrm	hyper	CHG	0.32
Gm13	4238080	4238152	Gmdrm	hyper	CHG	0.3712
Gm13	4244531	4245525	Gmdrm	hyper	CHG	0.2472
Gm13	4245564	4245807	Gmdrm	hyper	CHG	0.2179
Gm13	4246355	4246622	Gmdrm	hyper	CHG	0.32
Gm13	4246770	4246905	Gmdrm	hyper	CHG	0.374
Gm13	4247353	4248167	Gmdrm	hyper	CHG	0.3304
Gm13	4248400	4249205	Gmdrm	hyper	CHG	0.246
Gm13	4251051	4251669	Gmdrm	hyper	CHG	0.2354
Gm13	4252986	4253709	Gmdrm	hyper	CHG	0.2393
Gm13	4253863	4254019	Gmdrm	hyper	CHG	0.2982
Gm13	4254134	4254431	Gmdrm	hyper	CHG	0.2994
Gm13	4254604	4255041	Gmdrm	hyper	CHG	0.3637
Gm13	4255275	4255935	Gmdrm	hyper	CHG	0.3984
Gm13	4256056	4256597	Gmdrm	hyper	CHG	0.3492
Gm13	4259321	4259462	Gmdrm	hyper	CHG	0.4312
Gm13	4259705	4259754	Gmdrm	hyper	CHG	0.4433
Gm13	4260427	4260762	Gmdrm	hyper	CHG	0.4313
Gm13	4260908	4261180	Gmdrm	hyper	CHG	0.485
Gm13	4261450	4261546	Gmdrm	hyper	CHG	0.3527
Gm13	4261735	4261926	Gmdrm	hyper	CHG	0.3789
Gm13	4265247	4265548	Gmdrm	hyper	CHG	0.1507
Gm13	4268131	4268410	Gmdrm	hyper	CHG	0.3158
Gm13	4268539	4268624	Gmdrm	hyper	CHG	0.2928
Gm13	4269092	4270043	Gmdrm	hyper	CHG	0.1936
Gm13	4270101	4270174	Gmdrm	hyper	CHG	0.18
Gm13	4271652	4271988	Gmdrm	hyper	CHG	0.1982
Gm13	4272175	4273045	Gmdrm	hyper	CHG	0.2353
Gm13	4274917	4275278	Gmdrm	hyper	CHG	0.2588
Gm13	4275511	4275687	Gmdrm	hyper	CHG	0.2908
Gm13	4276470	4277435	Gmdrm	hyper	CHG	0.204
Gm13	4303398	4304339	Gmdrm	hyper	CHG	0.1949
Gm13	4309621	4309751	Gmdrm	hyper	CHG	0.3872
Gm13	4309854	4309945	Gmdrm	hyper	CHG	0.34
Gm13	4311131	4311483	Gmdrm	hyper	CHG	0.2109
Gm13	4311663	4311847	Gmdrm	hyper	CHG	0.308
Gm13	4311948	4312052	Gmdrm	hyper	CHG	0.225
Gm13	4312662	4313481	Gmdrm	hyper	CHG	0.2701
Gm13	4313611	4313769	Gmdrm	hyper	CHG	0.2794

Gm13	4317750	4318592	Gmdrm	hyper	CHG	0.1072
Gm13	4319023	4319915	Gmdrm	hyper	CHG	0.1195
Gm13	4320713	4321221	Gmdrm	hyper	CHG	0.1149
Gm13	4321557	4322000	Gmdrm	hyper	CHG	0.1557
Gm13	4323616	4323900	Gmdrm	hyper	CHG	0.2631
Gm13	4324090	4325060	Gmdrm	hyper	CHG	0.2188
Gm13	4325107	4326096	Gmdrm	hyper	CHG	0.1731
Gm13	4327284	4328284	Gmdrm	hyper	CHG	0.1943
Gm13	4328286	4329286	Gmdrm	hyper	CHG	0.1198
Gm13	4332204	4332405	Gmdrm	hyper	CHG	0.2309
Gm13	4332519	4333008	Gmdrm	hyper	CHG	0.306
Gm13	4333170	4333422	Gmdrm	hyper	CHG	0.3926
Gm13	4333531	4333633	Gmdrm	hyper	CHG	0.346
Gm13	4333773	4333868	Gmdrm	hyper	CHG	0.3633
Gm13	4334035	4334584	Gmdrm	hyper	CHG	0.3513
Gm13	4334766	4335736	Gmdrm	hyper	CHG	0.3845
Gm13	4335890	4336887	Gmdrm	hyper	CHG	0.3527
Gm13	4336892	4337493	Gmdrm	hyper	CHG	0.364
Gm13	4337636	4338558	Gmdrm	hyper	CHG	0.3892
Gm13	4338642	4339031	Gmdrm	hyper	CHG	0.3858
Gm13	4339153	4339283	Gmdrm	hyper	CHG	0.5986
Gm13	4339396	4340391	Gmdrm	hyper	CHG	0.4566
Gm13	4340414	4341392	Gmdrm	hyper	CHG	0.383
Gm13	4341492	4342477	Gmdrm	hyper	CHG	0.1408
Gm13	4342544	4342883	Gmdrm	hyper	CHG	0.1789
Gm13	4343596	4344379	Gmdrm	hyper	CHG	0.2952
Gm13	4344551	4344824	Gmdrm	hyper	CHG	0.311
Gm13	4344930	4345391	Gmdrm	hyper	CHG	0.3923
Gm13	4347263	4348228	Gmdrm	hyper	CHG	0.2304
Gm13	4348525	4348920	Gmdrm	hyper	CHG	0.3724
Gm13	4349033	4349935	Gmdrm	hyper	CHG	0.2911
Gm13	4350246	4350520	Gmdrm	hyper	CHG	0.4486
Gm13	4351271	4351465	Gmdrm	hyper	CHG	0.4084
Gm13	4352084	4352375	Gmdrm	hyper	CHG	0.3915
Gm13	4352486	4352782	Gmdrm	hyper	CHG	0.2513
Gm13	4357047	4357185	Gmdrm	hyper	CHG	0.3734
Gm13	4357350	4357535	Gmdrm	hyper	CHG	0.2392
Gm13	4358015	4358279	Gmdrm	hyper	CHG	0.2327
Gm13	4358399	4359399	Gmdrm	hyper	CHG	0.2792
Gm13	4360135	4360441	Gmdrm	hyper	CHG	0.3412
Gm13	4360552	4360848	Gmdrm	hyper	CHG	0.3586
Gm13	4360980	4361500	Gmdrm	hyper	CHG	0.3293
Gm13	4361670	4362635	Gmdrm	hyper	CHG	0.3402
Gm13	4362709	4362765	Gmdrm	hyper	CHG	0.3383
Gm13	4362898	4363599	Gmdrm	hyper	CHG	0.3394
Gm13	4363771	4364725	Gmdrm	hyper	CHG	0.2243

Gm13	4366383	4366932	Gmdrm	hyper	CHG	0.2818
Gm13	4367227	4367484	Gmdrm	hyper	CHG	0.2963
Gm13	4367622	4368244	Gmdrm	hyper	CHG	0.3483
Gm13	4368575	4369042	Gmdrm	hyper	CHG	0.3461
Gm13	4369612	4369652	Gmdrm	hyper	CHG	0.285
Gm13	4372342	4372801	Gmdrm	hyper	CHG	0.1372
Gm13	4375599	4376046	Gmdrm	hyper	CHG	0.1968
Gm13	4376655	4376761	Gmdrm	hyper	CHG	0.2222
Gm13	4398571	4398934	Gmdrm	hyper	CHG	0.1407
Gm13	4415539	4416043	Gmdrm	hyper	CHG	0.3118
Gm13	4418859	4419002	Gmdrm	hyper	CHG	0.5943
Gm13	4419115	4419274	Gmdrm	hyper	CHG	0.7516
Gm13	4419421	4419584	Gmdrm	hyper	CHG	0.6193
Gm13	4419732	4419803	Gmdrm	hyper	CHG	0.74
Gm13	4478253	4478567	Gmdrm	hyper	CHG	0.191
Gm13	4488693	4488943	Gmdrm	hyper	CHG	0.29
Gm13	4491190	4492122	Gmdrm	hyper	CHG	0.1862
Gm13	4494398	4495192	Gmdrm	hyper	CHG	0.1001
Gm13	4501251	4502174	Gmdrm	hyper	CHG	0.11
Gm13	4686711	4686848	Gmdrm	hyper	CHG	0.0815
Gm13	5066479	5066603	Gmdrm	hyper	CHG	0.0846
Gm13	5082566	5083452	Gmdrm	hyper	CHG	0.1912
Gm13	5083577	5084246	Gmdrm	hyper	CHG	0.6741
Gm13	5084364	5084416	Gmdrm	hyper	CHG	0.505
Gm13	5178575	5178924	Gmdrm	hyper	CHG	0.2906
Gm13	5215490	5216485	Gmdrm	hyper	CHG	0.1663
Gm13	5216496	5217423	Gmdrm	hyper	CHG	0.272
Gm13	5219475	5220453	Gmdrm	hyper	CHG	0.2164
Gm13	5225139	5225829	Gmdrm	hyper	CHG	0.0481
Gm13	5946022	5946327	Gmdrm	hyper	CHG	0.0971
Gm13	6049742	6050296	Gmdrm	hyper	CHG	0.168
Gm13	6118446	6118565	Gmdrm	hyper	CHG	0.1575
Gm13	6415204	6415593	Gmdrm	hyper	CHG	0.2412
Gm13	6516870	6517397	Gmdrm	hyper	CHG	0.1185
Gm13	7931940	7932587	Gmdrm	hyper	CHG	0.0873
Gm13	7941581	7942574	Gmdrm	hyper	CHG	0.1051
Gm13	8091707	8091910	Gmdrm	hyper	CHG	0.1111
Gm13	8595139	8595340	Gmdrm	hyper	CHG	0.1444
Gm13	8635905	8636051	Gmdrm	hyper	CHG	0.1329
Gm13	8751330	8751359	Gmdrm	hyper	CHG	0.042
Gm13	9568413	9568613	Gmdrm	hyper	CHG	0.2487
Gm13	9635181	9635382	Gmdrm	hyper	CHG	0.0533
Gm13	9715269	9715344	Gmdrm	hyper	CHG	0.1317
Gm13	9715526	9715678	Gmdrm	hyper	CHG	0.395
Gm13	9716172	9716252	Gmdrm	hyper	CHG	0.515
Gm13	9717041	9717602	Gmdrm	hyper	CHG	0.765

Gm13	9717815	9718054	Gmdrm	hyper	CHG	0.8066
Gm13	9718351	9718933	Gmdrm	hyper	CHG	0.6932
Gm13	9719106	9719448	Gmdrm	hyper	CHG	0.6357
Gm13	9833047	9833100	Gmdrm	hyper	CHG	0.0384
Gm13	9903593	9904583	Gmdrm	hyper	CHG	0.2213
Gm13	9960710	9960940	Gmdrm	hyper	CHG	0.0367
Gm13	9991659	9991881	Gmdrm	hyper	CHG	0.0357
Gm13	9996762	9997005	Gmdrm	hyper	CHG	0.04
Gm13	10030532	10030690	Gmdrm	hyper	CHG	0.038
Gm13	10058979	10059297	Gmdrm	hyper	CHG	0.0457
Gm13	10242996	10243086	Gmdrm	hyper	CHG	0.064
Gm13	10273441	10273693	Gmdrm	hyper	CHG	0.0417
Gm13	10779254	10779402	Gmdrm	hyper	CHG	0.0589
Gm13	10992157	10992356	Gmdrm	hyper	CHG	0.2822
Gm13	11058774	11059181	Gmdrm	hyper	CHG	0.1219
Gm13	11320310	11320433	Gmdrm	hyper	CHG	0.032
Gm13	11404895	11405364	Gmdrm	hyper	CHG	0.0312
Gm13	11564788	11564924	Gmdrm	hyper	CHG	0.16
Gm13	11592278	11592468	Gmdrm	hyper	CHG	0.044
Gm13	11761647	11761705	Gmdrm	hyper	CHG	0.1275
Gm13	12226759	12226993	Gmdrm	hyper	CHG	0.05
Gm13	12287321	12287602	Gmdrm	hyper	CHG	0.2847
Gm13	12592246	12592830	Gmdrm	hyper	CHG	0.355
Gm13	12636542	12636762	Gmdrm	hyper	CHG	0.094
Gm13	12638697	12638765	Gmdrm	hyper	CHG	0.0483
Gm13	12672522	12672660	Gmdrm	hyper	CHG	0.054
Gm13	12807732	12807869	Gmdrm	hyper	CHG	0.08
Gm13	12877265	12877605	Gmdrm	hyper	CHG	0.0436
Gm13	12884815	12885040	Gmdrm	hyper	CHG	0.0962
Gm13	12914585	12914926	Gmdrm	hyper	CHG	0.04
Gm13	12990486	12990657	Gmdrm	hyper	CHG	0.042
Gm13	13002527	13002747	Gmdrm	hyper	CHG	0.0288
Gm13	13016621	13016796	Gmdrm	hyper	CHG	0.035
Gm13	13086105	13086487	Gmdrm	hyper	CHG	0.0245
Gm13	13319735	13319856	Gmdrm	hyper	CHG	0.052
Gm13	13368948	13369388	Gmdrm	hyper	CHG	0.0293
Gm13	13519959	13520316	Gmdrm	hyper	CHG	0.0333
Gm13	13703533	13704236	Gmdrm	hyper	CHG	0.2102
Gm13	13736395	13736870	Gmdrm	hyper	CHG	0.0562
Gm13	13806244	13806488	Gmdrm	hyper	CHG	0.0463
Gm13	14025711	14025889	Gmdrm	hyper	CHG	0.07
Gm13	14173902	14174090	Gmdrm	hyper	CHG	0.2014
Gm13	14358809	14359068	Gmdrm	hyper	CHG	0.1611
Gm13	14430697	14430903	Gmdrm	hyper	CHG	0.04
Gm13	14578754	14579067	Gmdrm	hyper	CHG	0.0231
Gm13	14649076	14649332	Gmdrm	hyper	CHG	0.0634

Gm13	14716332	14716589	Gmdrm	hyper	CHG	0.0777
Gm13	14792056	14792312	Gmdrm	hyper	CHG	0.06
Gm13	14794762	14795101	Gmdrm	hyper	CHG	0.045
Gm13	14821485	14821852	Gmdrm	hyper	CHG	0.04
Gm13	14884676	14884842	Gmdrm	hyper	CHG	0.0486
Gm13	15471916	15472097	Gmdrm	hyper	CHG	0.09
Gm13	15497685	15497844	Gmdrm	hyper	CHG	0.0475
Gm13	15512968	15513391	Gmdrm	hyper	CHG	0.0546
Gm13	15586021	15586284	Gmdrm	hyper	CHG	0.0511
Gm13	15689586	15690378	Gmdrm	hyper	CHG	0.0593
Gm13	15884495	15884748	Gmdrm	hyper	CHG	0.046
Gm13	15948433	15948672	Gmdrm	hyper	CHG	0.1685
Gm13	16205449	16205534	Gmdrm	hyper	CHG	0.0486
Gm13	16233561	16234024	Gmdrm	hyper	CHG	0.1303
Gm13	16550729	16550783	Gmdrm	hyper	CHG	0.066
Gm13	16588368	16588530	Gmdrm	hyper	CHG	0.088
Gm13	16589653	16589791	Gmdrm	hyper	CHG	0.0567
Gm13	16669079	16669225	Gmdrm	hyper	CHG	0.0828
Gm13	16879151	16879252	Gmdrm	hyper	CHG	0.036
Gm13	16979896	16980134	Gmdrm	hyper	CHG	0.0467
Gm13	17025809	17025831	Gmdrm	hyper	CHG	0.1
Gm13	17075780	17075863	Gmdrm	hyper	CHG	0.0911
Gm13	17358120	17358417	Gmdrm	hyper	CHG	0.0726
Gm13	17359579	17359719	Gmdrm	hyper	CHG	0.1109
Gm13	17363781	17364335	Gmdrm	hyper	CHG	0.064
Gm13	17377132	17377316	Gmdrm	hyper	CHG	0.052
Gm13	17494415	17494712	Gmdrm	hyper	CHG	0.2942
Gm13	17669002	17669086	Gmdrm	hyper	CHG	0.0483
Gm13	18122599	18122624	Gmdrm	hyper	CHG	0.28
Gm13	18250056	18250770	Gmdrm	hyper	CHG	0.0316
Gm13	18398650	18399009	Gmdrm	hyper	CHG	0.0385
Gm13	18464023	18464157	Gmdrm	hyper	CHG	0.054
Gm13	18468257	18468646	Gmdrm	hyper	CHG	0.034
Gm13	18537348	18537427	Gmdrm	hyper	CHG	0.43
Gm13	18887595	18887818	Gmdrm	hyper	CHG	0.0317
Gm13	18974396	18974507	Gmdrm	hyper	CHG	0.204
Gm13	19012438	19012586	Gmdrm	hyper	CHG	0.3256
Gm13	19243620	19243752	Gmdrm	hyper	CHG	0.1455
Gm13	19276434	19276693	Gmdrm	hyper	CHG	0.05
Gm13	19375137	19375281	Gmdrm	hyper	CHG	0.2025
Gm13	19499160	19499361	Gmdrm	hyper	CHG	0.055
Gm13	19570490	19570566	Gmdrm	hyper	CHG	0.1883
Gm13	19815469	19815844	Gmdrm	hyper	CHG	0.0438
Gm13	19999707	19999844	Gmdrm	hyper	CHG	0.064
Gm13	20000331	20000424	Gmdrm	hyper	CHG	0.04
Gm13	20336198	20336326	Gmdrm	hyper	CHG	0.03

Gm13	20599532	20599584	Gmdrm	hyper	CHG	0.054
Gm13	20606929	20607362	Gmdrm	hyper	CHG	0.0358
Gm13	20640073	20640340	Gmdrm	hyper	CHG	0.0414
Gm13	20687133	20687376	Gmdrm	hyper	CHG	0.0272
Gm13	20723424	20724006	Gmdrm	hyper	CHG	0.2815
Gm13	20743006	20743136	Gmdrm	hyper	CHG	0.036
Gm13	21017151	21017499	Gmdrm	hyper	CHG	0.0428
Gm13	21132236	21132753	Gmdrm	hyper	CHG	0.0723
Gm13	21172805	21173006	Gmdrm	hyper	CHG	0.24
Gm13	21193195	21193425	Gmdrm	hyper	CHG	0.0486
Gm13	21196506	21196875	Gmdrm	hyper	CHG	0.0389
Gm13	21237014	21237223	Gmdrm	hyper	CHG	0.0428
Gm13	21665076	21665096	Gmdrm	hyper	CHG	0.0567
Gm13	21712640	21712981	Gmdrm	hyper	CHG	0.0316
Gm13	21726234	21726418	Gmdrm	hyper	CHG	0.0255
Gm13	21733546	21733763	Gmdrm	hyper	CHG	0.055
Gm13	21827965	21828075	Gmdrm	hyper	CHG	0.0575
Gm13	21911653	21911933	Gmdrm	hyper	CHG	0.03
Gm13	21961433	21961511	Gmdrm	hyper	CHG	0.042
Gm13	21962084	21962228	Gmdrm	hyper	CHG	0.03
Gm13	22291789	22292027	Gmdrm	hyper	CHG	0.0805
Gm13	22485394	22485557	Gmdrm	hyper	CHG	0.048
Gm13	22597914	22597949	Gmdrm	hyper	CHG	0.138
Gm13	22896364	22896557	Gmdrm	hyper	CHG	0.1
Gm13	22995660	22995744	Gmdrm	hyper	CHG	0.046
Gm13	23039968	23040096	Gmdrm	hyper	CHG	0.04
Gm13	23166720	23166929	Gmdrm	hyper	CHG	0.0443
Gm13	23221582	23221823	Gmdrm	hyper	CHG	0.0567
Gm13	23256449	23256735	Gmdrm	hyper	CHG	0.0542
Gm13	23391827	23391996	Gmdrm	hyper	CHG	0.04
Gm13	23463211	23463539	Gmdrm	hyper	CHG	0.0617
Gm13	23651662	23651928	Gmdrm	hyper	CHG	0.064
Gm13	23879605	23879724	Gmdrm	hyper	CHG	0.046
Gm13	23923274	23923461	Gmdrm	hyper	CHG	0.0284
Gm13	23940198	23940342	Gmdrm	hyper	CHG	0.0817
Gm13	24164767	24164878	Gmdrm	hyper	CHG	0.0433
Gm13	24236992	24237352	Gmdrm	hyper	CHG	0.04
Gm13	24283451	24283575	Gmdrm	hyper	CHG	0.046
Gm13	24286485	24286832	Gmdrm	hyper	CHG	0.0262
Gm13	24401836	24402183	Gmdrm	hyper	CHG	0.065
Gm13	24713902	24714240	Gmdrm	hyper	CHG	0.04
Gm13	24749137	24749668	Gmdrm	hyper	CHG	0.0586
Gm13	24834115	24834220	Gmdrm	hyper	CHG	0.05
Gm13	25051539	25051714	Gmdrm	hyper	CHG	0.0367
Gm13	25156309	25156616	Gmdrm	hyper	CHG	0.255
Gm13	25238467	25238755	Gmdrm	hyper	CHG	0.0465

Gm13	25255419	25255850	Gmdrm	hyper	CHG	0.0339
Gm13	25275351	25275650	Gmdrm	hyper	CHG	0.0379
Gm13	25361485	25361577	Gmdrm	hyper	CHG	0.071
Gm13	25456243	25456542	Gmdrm	hyper	CHG	0.0289
Gm13	25662840	25663096	Gmdrm	hyper	CHG	0.03
Gm13	25938476	25939007	Gmdrm	hyper	CHG	0.2931
Gm13	25940275	25940565	Gmdrm	hyper	CHG	0.16
Gm13	25940669	25940936	Gmdrm	hyper	CHG	0.2025
Gm13	25941070	25941105	Gmdrm	hyper	CHG	0.3274
Gm13	25943406	25943760	Gmdrm	hyper	CHG	0.1053
Gm13	25943930	25944238	Gmdrm	hyper	CHG	0.053
Gm13	25968614	25968849	Gmdrm	hyper	CHG	0.04
Gm13	26188971	26189511	Gmdrm	hyper	CHG	0.1327
Gm13	26297948	26298030	Gmdrm	hyper	CHG	0.0275
Gm13	26360774	26361372	Gmdrm	hyper	CHG	0.0345
Gm13	26409114	26409297	Gmdrm	hyper	CHG	0.0725
Gm13	26415020	26415479	Gmdrm	hyper	CHG	0.0279
Gm13	26420708	26420953	Gmdrm	hyper	CHG	0.2624
Gm13	26439383	26439730	Gmdrm	hyper	CHG	0.0333
Gm13	26472951	26473097	Gmdrm	hyper	CHG	0.054
Gm13	26578158	26578446	Gmdrm	hyper	CHG	0.0985
Gm13	26584907	26585010	Gmdrm	hyper	CHG	0.04
Gm13	26595959	26596043	Gmdrm	hyper	CHG	0.048
Gm13	26718640	26718717	Gmdrm	hyper	CHG	0.054
Gm13	27142608	27142805	Gmdrm	hyper	CHG	0.04
Gm13	27160380	27160491	Gmdrm	hyper	CHG	0.108
Gm13	27190797	27191456	Gmdrm	hyper	CHG	0.0291
Gm13	27252107	27252366	Gmdrm	hyper	CHG	0.0646
Gm13	27268135	27268345	Gmdrm	hyper	CHG	0.2578
Gm13	27283500	27284058	Gmdrm	hyper	CHG	0.0381
Gm13	27303380	27303560	Gmdrm	hyper	CHG	0.032
Gm13	27379572	27379662	Gmdrm	hyper	CHG	0.0867
Gm13	27453253	27453405	Gmdrm	hyper	CHG	0.058
Gm13	27584286	27584664	Gmdrm	hyper	CHG	0.0525
Gm13	27721708	27721787	Gmdrm	hyper	CHG	0.0472
Gm13	27771802	27772063	Gmdrm	hyper	CHG	0.0329
Gm13	27935644	27935768	Gmdrm	hyper	CHG	0.066
Gm13	28016174	28016514	Gmdrm	hyper	CHG	0.0833
Gm13	28266517	28266653	Gmdrm	hyper	CHG	0.0486
Gm13	28287169	28287235	Gmdrm	hyper	CHG	0.1429
Gm13	28313908	28314327	Gmdrm	hyper	CHG	0.0264
Gm13	28317906	28318480	Gmdrm	hyper	CHG	0.0448
Gm13	28345780	28345811	Gmdrm	hyper	CHG	0.056
Gm13	28441901	28442074	Gmdrm	hyper	CHG	0.0517
Gm13	29007410	29007720	Gmdrm	hyper	CHG	0.0471
Gm13	29020805	29020952	Gmdrm	hyper	CHG	0.03

Gm13	29021845	29021995	Gmdrm	hyper	CHG	0.0443
Gm13	29218238	29218519	Gmdrm	hyper	CHG	0.045
Gm13	29252215	29253195	Gmdrm	hyper	CHG	0.2078
Gm13	29273302	29273390	Gmdrm	hyper	CHG	0.0367
Gm13	29517577	29517757	Gmdrm	hyper	CHG	0.4812
Gm13	29570521	29571312	Gmdrm	hyper	CHG	0.2845
Gm13	29643384	29643442	Gmdrm	hyper	CHG	0.5887
Gm13	29746784	29746879	Gmdrm	hyper	CHG	0.074
Gm13	29877559	29877718	Gmdrm	hyper	CHG	0.1333
Gm13	29946816	29946943	Gmdrm	hyper	CHG	0.1187
Gm13	30000474	30000670	Gmdrm	hyper	CHG	0.5017
Gm13	30013051	30013275	Gmdrm	hyper	CHG	0.0314
Gm13	30050999	30051143	Gmdrm	hyper	CHG	0.0358
Gm13	30166734	30166985	Gmdrm	hyper	CHG	0.0278
Gm13	30220460	30221249	Gmdrm	hyper	CHG	0.2544
Gm13	30374892	30375251	Gmdrm	hyper	CHG	0.0777
Gm13	30499763	30500088	Gmdrm	hyper	CHG	0.036
Gm13	30669612	30670155	Gmdrm	hyper	CHG	0.036
Gm13	30726472	30726751	Gmdrm	hyper	CHG	0.0526
Gm13	30838820	30838982	Gmdrm	hyper	CHG	0.0767
Gm13	30983903	30984128	Gmdrm	hyper	CHG	0.1866
Gm13	31027503	31027960	Gmdrm	hyper	CHG	0.2834
Gm13	31031249	31031800	Gmdrm	hyper	CHG	0.1656
Gm13	31032769	31032976	Gmdrm	hyper	CHG	0.05
Gm13	31034075	31034495	Gmdrm	hyper	CHG	0.05
Gm13	31247857	31248024	Gmdrm	hyper	CHG	0.0333
Gm13	31298128	31298378	Gmdrm	hyper	CHG	0.06
Gm13	31374297	31374549	Gmdrm	hyper	CHG	0.2066
Gm13	31639613	31639811	Gmdrm	hyper	CHG	0.038
Gm13	31691086	31691421	Gmdrm	hyper	CHG	0.0575
Gm13	31823366	31823625	Gmdrm	hyper	CHG	0.0316
Gm13	31851631	31851818	Gmdrm	hyper	CHG	0.0529
Gm13	31893830	31894064	Gmdrm	hyper	CHG	0.0367
Gm13	31909847	31910097	Gmdrm	hyper	CHG	0.0286
Gm13	32339639	32339721	Gmdrm	hyper	CHG	0.0743
Gm13	32386542	32386661	Gmdrm	hyper	CHG	0.0814
Gm13	32550570	32550794	Gmdrm	hyper	CHG	0.074
Gm13	32810695	32811006	Gmdrm	hyper	CHG	0.0555
Gm13	32829493	32829740	Gmdrm	hyper	CHG	0.0414
Gm13	32839469	32839672	Gmdrm	hyper	CHG	0.0533
Gm13	32869489	32869795	Gmdrm	hyper	CHG	0.0267
Gm13	33015406	33015542	Gmdrm	hyper	CHG	0.102
Gm13	33137738	33138542	Gmdrm	hyper	CHG	0.107
Gm13	33142828	33143123	Gmdrm	hyper	CHG	0.4144
Gm13	33180717	33180911	Gmdrm	hyper	CHG	0.0472
Gm13	33236360	33236559	Gmdrm	hyper	CHG	0.05

Gm13	33377724	33377809	Gmdrm	hyper	CHG	0.7114
Gm13	33377912	33378290	Gmdrm	hyper	CHG	0.5528
Gm13	33425579	33425776	Gmdrm	hyper	CHG	0.0372
Gm13	33452553	33452630	Gmdrm	hyper	CHG	0.066
Gm13	33528916	33529117	Gmdrm	hyper	CHG	0.072
Gm13	33593845	33594031	Gmdrm	hyper	CHG	0.0467
Gm13	33794587	33794686	Gmdrm	hyper	CHG	0.04
Gm13	33831740	33832037	Gmdrm	hyper	CHG	0.0417
Gm13	34000767	34000865	Gmdrm	hyper	CHG	0.032
Gm13	34131015	34131983	Gmdrm	hyper	CHG	0.2442
Gm13	34180662	34180754	Gmdrm	hyper	CHG	0.044
Gm13	34359040	34359283	Gmdrm	hyper	CHG	0.0386
Gm13	34375031	34375172	Gmdrm	hyper	CHG	0.09
Gm13	34535733	34535952	Gmdrm	hyper	CHG	0.112
Gm13	34768120	34768188	Gmdrm	hyper	CHG	0.03
Gm13	34797694	34797870	Gmdrm	hyper	CHG	0.0789
Gm13	34805570	34805671	Gmdrm	hyper	CHG	0.08
Gm13	34815100	34815284	Gmdrm	hyper	CHG	0.0267
Gm13	34824090	34824312	Gmdrm	hyper	CHG	0.04
Gm13	34847126	34847356	Gmdrm	hyper	CHG	0.0472
Gm13	35065758	35065998	Gmdrm	hyper	CHG	0.0322
Gm13	35175907	35176055	Gmdrm	hyper	CHG	0.0583
Gm13	35228015	35228300	Gmdrm	hyper	CHG	0.0429
Gm13	35396006	35396209	Gmdrm	hyper	CHG	0.045
Gm13	35404611	35404757	Gmdrm	hyper	CHG	0.04
Gm13	35453531	35453695	Gmdrm	hyper	CHG	0.095
Gm13	35463129	35463324	Gmdrm	hyper	CHG	0.03
Gm13	35539798	35540002	Gmdrm	hyper	CHG	0.0275
Gm13	35544245	35544393	Gmdrm	hyper	CHG	0.0314
Gm13	35674694	35674786	Gmdrm	hyper	CHG	0.0543
Gm13	35756992	35757054	Gmdrm	hyper	CHG	0.044
Gm13	35947145	35947520	Gmdrm	hyper	CHG	0.0527
Gm13	35974478	35974743	Gmdrm	hyper	CHG	0.0314
Gm13	35999230	35999379	Gmdrm	hyper	CHG	0.034
Gm13	36036672	36037001	Gmdrm	hyper	CHG	0.0271
Gm13	36100513	36100637	Gmdrm	hyper	CHG	0.056
Gm13	36163987	36164304	Gmdrm	hyper	CHG	0.045
Gm13	36305385	36305551	Gmdrm	hyper	CHG	0.06
Gm13	36496903	36496927	Gmdrm	hyper	CHG	0.0583
Gm13	36684941	36685240	Gmdrm	hyper	CHG	0.0433
Gm13	36730911	36731624	Gmdrm	hyper	CHG	0.0263
Gm13	36763986	36764038	Gmdrm	hyper	CHG	0.1267
Gm13	37082497	37082689	Gmdrm	hyper	CHG	0.036
Gm13	37085825	37085941	Gmdrm	hyper	CHG	0.0529
Gm13	37154365	37154493	Gmdrm	hyper	CHG	0.0289
Gm13	37258388	37258533	Gmdrm	hyper	CHG	0.0767

Gm13	37264727	37264798	Gmdrm	hyper	CHG	0.0667
Gm13	37325197	37325632	Gmdrm	hyper	CHG	0.0373
Gm13	37355912	37356048	Gmdrm	hyper	CHG	0.044
Gm13	37364675	37364850	Gmdrm	hyper	CHG	0.0667
Gm13	37495598	37495677	Gmdrm	hyper	CHG	0.044
Gm13	37595718	37596158	Gmdrm	hyper	CHG	0.046
Gm13	37775812	37775956	Gmdrm	hyper	CHG	0.068
Gm13	37869334	37869525	Gmdrm	hyper	CHG	0.0483
Gm13	37907680	37907875	Gmdrm	hyper	CHG	0.04
Gm13	37940051	37940283	Gmdrm	hyper	CHG	0.0357
Gm13	37966728	37966934	Gmdrm	hyper	CHG	0.072
Gm13	38086800	38086862	Gmdrm	hyper	CHG	0.0362
Gm13	38111153	38111374	Gmdrm	hyper	CHG	0.0425
Gm13	38127647	38127724	Gmdrm	hyper	CHG	0.0716
Gm13	38155804	38156040	Gmdrm	hyper	CHG	0.0443
Gm13	38363870	38364095	Gmdrm	hyper	CHG	0.052
Gm13	38506418	38506571	Gmdrm	hyper	CHG	0.038
Gm13	38564571	38565063	Gmdrm	hyper	CHG	0.0309
Gm13	38818858	38819012	Gmdrm	hyper	CHG	0.0434
Gm13	38861789	38861929	Gmdrm	hyper	CHG	0.075
Gm13	38897995	38898190	Gmdrm	hyper	CHG	0.05
Gm13	38983272	38983347	Gmdrm	hyper	CHG	0.08
Gm13	39008193	39009056	Gmdrm	hyper	CHG	0.253
Gm13	39133429	39133726	Gmdrm	hyper	CHG	0.0429
Gm13	39232985	39233186	Gmdrm	hyper	CHG	0.072
Gm13	39339757	39340145	Gmdrm	hyper	CHG	0.059
Gm13	39557749	39558089	Gmdrm	hyper	CHG	0.0289
Gm13	39724851	39725041	Gmdrm	hyper	CHG	0.0462
Gm13	39772585	39772648	Gmdrm	hyper	CHG	0.0272
Gm13	39900092	39900202	Gmdrm	hyper	CHG	0.044
Gm13	39911907	39912077	Gmdrm	hyper	CHG	0.042
Gm13	40004630	40004786	Gmdrm	hyper	CHG	0.064
Gm13	40079144	40079368	Gmdrm	hyper	CHG	0.031
Gm13	40161533	40161740	Gmdrm	hyper	CHG	0.0917
Gm13	40326255	40326309	Gmdrm	hyper	CHG	0.04
Gm13	40428745	40429160	Gmdrm	hyper	CHG	0.0245
Gm13	40483800	40483983	Gmdrm	hyper	CHG	0.1217
Gm13	40491335	40491479	Gmdrm	hyper	CHG	0.042
Gm13	40504269	40504357	Gmdrm	hyper	CHG	0.0522
Gm13	40513817	40513935	Gmdrm	hyper	CHG	0.0334
Gm13	40569228	40569270	Gmdrm	hyper	CHG	0.185
Gm13	40588681	40589011	Gmdrm	hyper	CHG	0.0625
Gm13	40591241	40591377	Gmdrm	hyper	CHG	0.075
Gm13	40684723	40684805	Gmdrm	hyper	CHG	0.034
Gm13	40809159	40809326	Gmdrm	hyper	CHG	0.0525
Gm13	40827014	40827266	Gmdrm	hyper	CHG	0.0413

Gm13	40917521	40917556	Gmdrm	hyper	CHG	0.03
Gm13	41309614	41309834	Gmdrm	hyper	CHG	0.0425
Gm13	41323614	41323723	Gmdrm	hyper	CHG	0.06
Gm13	41439457	41439535	Gmdrm	hyper	CHG	0.0678
Gm13	41458308	41458564	Gmdrm	hyper	CHG	0.0258
Gm13	41463474	41463690	Gmdrm	hyper	CHG	0.044
Gm13	41572551	41572683	Gmdrm	hyper	CHG	0.068
Gm13	41637684	41637934	Gmdrm	hyper	CHG	0.0414
Gm13	41743368	41743475	Gmdrm	hyper	CHG	0.0416
Gm13	41825997	41826247	Gmdrm	hyper	CHG	0.03
Gm13	41968601	41968670	Gmdrm	hyper	CHG	0.062
Gm13	42117252	42117484	Gmdrm	hyper	CHG	0.044
Gm13	42268734	42268897	Gmdrm	hyper	CHG	0.0384
Gm13	42300432	42300652	Gmdrm	hyper	CHG	0.0417
Gm13	42307821	42308001	Gmdrm	hyper	CHG	0.1309
Gm13	42314674	42314815	Gmdrm	hyper	CHG	0.0471
Gm13	42337063	42337270	Gmdrm	hyper	CHG	0.05
Gm13	42541765	42541925	Gmdrm	hyper	CHG	0.05
Gm13	42630441	42630884	Gmdrm	hyper	CHG	0.04
Gm13	42700238	42700545	Gmdrm	hyper	CHG	0.0388
Gm13	42718751	42718960	Gmdrm	hyper	CHG	0.0389
Gm13	42796515	42796732	Gmdrm	hyper	CHG	0.0514
Gm13	42835274	42835353	Gmdrm	hyper	CHG	0.054
Gm13	42978171	42978307	Gmdrm	hyper	CHG	0.054
Gm13	42991453	42991594	Gmdrm	hyper	CHG	0.066
Gm13	43140430	43140877	Gmdrm	hyper	CHG	0.0376
Gm13	43158311	43158653	Gmdrm	hyper	CHG	0.04
Gm13	43182754	43182995	Gmdrm	hyper	CHG	0.0367
Gm13	43717384	43717457	Gmdrm	hyper	CHG	0.042
Gm13	43801475	43801535	Gmdrm	hyper	CHG	0.08
Gm13	43810670	43810903	Gmdrm	hyper	CHG	0.03
Gm13	43877476	43877592	Gmdrm	hyper	CHG	0.0212
Gm13	43896627	43896819	Gmdrm	hyper	CHG	0.0563
Gm13	44002926	44003146	Gmdrm	hyper	CHG	0.04
Gm13	44042227	44042357	Gmdrm	hyper	CHG	0.1055
Gm13	44115161	44115344	Gmdrm	hyper	CHG	0.07
Gm13	44161879	44162114	Gmdrm	hyper	CHG	0.034
Gm13	44205858	44206242	Gmdrm	hyper	CHG	0.0486
Gm13	44255727	44255897	Gmdrm	hyper	CHG	0.0429
Gm13	44487372	44487597	Gmdrm	hyper	CHG	0.035
Gm13	44589189	44589371	Gmdrm	hyper	CHG	0.05
Gm13	44920960	44921052	Gmdrm	hyper	CHG	0.06
Gm13	44929797	44930004	Gmdrm	hyper	CHG	0.052
Gm13	45099002	45099097	Gmdrm	hyper	CHG	0.07
Gm13	45100384	45100726	Gmdrm	hyper	CHG	0.0931
Gm13	45152235	45152390	Gmdrm	hyper	CHG	0.072

Gm13_scaffol	722867	722980	Gmdrm	hyper	CHG	0.0523
Gm14	37087	37210	Gmdrm	hyper	CHG	0.0987
Gm14	75426	75508	Gmdrm	hyper	CHG	0.6057
Gm14	75620	75677	Gmdrm	hyper	CHG	0.5275
Gm14	97703	98047	Gmdrm	hyper	CHG	0.2
Gm14	301014	301144	Gmdrm	hyper	CHG	0.0425
Gm14	423766	423899	Gmdrm	hyper	CHG	0.0417
Gm14	460071	460241	Gmdrm	hyper	CHG	0.046
Gm14	545080	545156	Gmdrm	hyper	CHG	0.05
Gm14	619525	619603	Gmdrm	hyper	CHG	0.0367
Gm14	642225	642355	Gmdrm	hyper	CHG	0.064
Gm14	653218	653465	Gmdrm	hyper	CHG	0.0383
Gm14	895726	895787	Gmdrm	hyper	CHG	0.035
Gm14	926974	927168	Gmdrm	hyper	CHG	0.0616
Gm14	940997	941855	Gmdrm	hyper	CHG	0.0372
Gm14	982157	982358	Gmdrm	hyper	CHG	0.0417
Gm14	985573	985774	Gmdrm	hyper	CHG	0.04
Gm14	1174661	1174853	Gmdrm	hyper	CHG	0.06
Gm14	1279913	1280057	Gmdrm	hyper	CHG	0.062
Gm14	1469405	1469508	Gmdrm	hyper	CHG	0.0543
Gm14	1585128	1585274	Gmdrm	hyper	CHG	0.0483
Gm14	1634417	1634610	Gmdrm	hyper	CHG	0.104
Gm14	1818692	1818994	Gmdrm	hyper	CHG	0.11
Gm14	1933926	1934014	Gmdrm	hyper	CHG	0.0786
Gm14	2045085	2045473	Gmdrm	hyper	CHG	0.0591
Gm14	2121604	2121794	Gmdrm	hyper	CHG	0.098
Gm14	2170431	2171024	Gmdrm	hyper	CHG	0.0808
Gm14	2198363	2198556	Gmdrm	hyper	CHG	0.0571
Gm14	2229798	2230217	Gmdrm	hyper	CHG	0.0429
Gm14	2285378	2285476	Gmdrm	hyper	CHG	0.042
Gm14	2352242	2352568	Gmdrm	hyper	CHG	0.0356
Gm14	2512374	2512596	Gmdrm	hyper	CHG	0.0318
Gm14	2657821	2657963	Gmdrm	hyper	CHG	0.054
Gm14	2671641	2671965	Gmdrm	hyper	CHG	0.055
Gm14	2763872	2764082	Gmdrm	hyper	CHG	0.055
Gm14	2819322	2819402	Gmdrm	hyper	CHG	0.022
Gm14	2925575	2925748	Gmdrm	hyper	CHG	0.065
Gm14	2928478	2928690	Gmdrm	hyper	CHG	0.0311
Gm14	3058681	3059077	Gmdrm	hyper	CHG	0.0246
Gm14	3081781	3081958	Gmdrm	hyper	CHG	0.0729
Gm14	3126781	3126946	Gmdrm	hyper	CHG	0.0487
Gm14	3162788	3162908	Gmdrm	hyper	CHG	0.046
Gm14	3258392	3258702	Gmdrm	hyper	CHG	0.0367
Gm14	3380977	3381156	Gmdrm	hyper	CHG	0.0367
Gm14	3409444	3409645	Gmdrm	hyper	CHG	0.05
Gm14	3529879	3530039	Gmdrm	hyper	CHG	0.0457

Gm14	3629962	3630403	Gmdrm	hyper	CHG	0.1455
Gm14	3819288	3819404	Gmdrm	hyper	CHG	0.0833
Gm14	3836384	3836796	Gmdrm	hyper	CHG	0.0511
Gm14	3850724	3851003	Gmdrm	hyper	CHG	0.0513
Gm14	4016601	4016710	Gmdrm	hyper	CHG	0.03
Gm14	4021280	4021486	Gmdrm	hyper	CHG	0.064
Gm14	4181774	4181944	Gmdrm	hyper	CHG	0.0571
Gm14	4423329	4423414	Gmdrm	hyper	CHG	0.038
Gm14	4430816	4431084	Gmdrm	hyper	CHG	0.044
Gm14	4485102	4485434	Gmdrm	hyper	CHG	0.0337
Gm14	4565661	4565837	Gmdrm	hyper	CHG	0.0784
Gm14	4580607	4580893	Gmdrm	hyper	CHG	0.026
Gm14	4631912	4632174	Gmdrm	hyper	CHG	0.0443
Gm14	4699890	4700100	Gmdrm	hyper	CHG	0.1733
Gm14	4705681	4705860	Gmdrm	hyper	CHG	0.032
Gm14	4713729	4713803	Gmdrm	hyper	CHG	0.068
Gm14	4860474	4860666	Gmdrm	hyper	CHG	0.05
Gm14	4958691	4958712	Gmdrm	hyper	CHG	0.078
Gm14	4989702	4989821	Gmdrm	hyper	CHG	0.055
Gm14	5150324	5150434	Gmdrm	hyper	CHG	0.4672
Gm14	5250670	5251015	Gmdrm	hyper	CHG	0.0967
Gm14	5376617	5376865	Gmdrm	hyper	CHG	0.0575
Gm14	5409055	5409334	Gmdrm	hyper	CHG	0.03
Gm14	5551076	5551188	Gmdrm	hyper	CHG	0.385
Gm14	5653448	5653735	Gmdrm	hyper	CHG	0.0455
Gm14	5674319	5674400	Gmdrm	hyper	CHG	0.054
Gm14	5678852	5678968	Gmdrm	hyper	CHG	0.03
Gm14	5937455	5937915	Gmdrm	hyper	CHG	0.0367
Gm14	5963663	5963804	Gmdrm	hyper	CHG	0.046
Gm14	6114654	6114908	Gmdrm	hyper	CHG	0.2075
Gm14	6265834	6265967	Gmdrm	hyper	CHG	0.0314
Gm14	6522132	6522591	Gmdrm	hyper	CHG	0.0471
Gm14	6533922	6534177	Gmdrm	hyper	CHG	0.0383
Gm14	6592269	6592375	Gmdrm	hyper	CHG	0.0483
Gm14	6717370	6717638	Gmdrm	hyper	CHG	0.045
Gm14	6804373	6804517	Gmdrm	hyper	CHG	0.042
Gm14	7250620	7250962	Gmdrm	hyper	CHG	0.2374
Gm14	7351459	7351807	Gmdrm	hyper	CHG	0.0932
Gm14	7365513	7365684	Gmdrm	hyper	CHG	0.062
Gm14	7418600	7419078	Gmdrm	hyper	CHG	0.03
Gm14	7664508	7664665	Gmdrm	hyper	CHG	0.0372
Gm14	7719581	7719695	Gmdrm	hyper	CHG	0.053
Gm14	7844958	7845121	Gmdrm	hyper	CHG	0.2433
Gm14	7925305	7925423	Gmdrm	hyper	CHG	0.0429
Gm14	7975569	7976114	Gmdrm	hyper	CHG	0.1147
Gm14	8068135	8068249	Gmdrm	hyper	CHG	0.3438

Gm14	8086005	8086365	Gmdrm	hyper	CHG	0.0475
Gm14	8141590	8141765	Gmdrm	hyper	CHG	0.0617
Gm14	8180221	8180269	Gmdrm	hyper	CHG	0.056
Gm14	8411324	8411426	Gmdrm	hyper	CHG	0.04
Gm14	8425862	8425992	Gmdrm	hyper	CHG	0.1755
Gm14	8515442	8515525	Gmdrm	hyper	CHG	0.032
Gm14	8784138	8784436	Gmdrm	hyper	CHG	0.1044
Gm14	8907718	8908123	Gmdrm	hyper	CHG	0.0336
Gm14	9089383	9089505	Gmdrm	hyper	CHG	0.1122
Gm14	9136944	9137046	Gmdrm	hyper	CHG	0.165
Gm14	9415005	9415107	Gmdrm	hyper	CHG	0.135
Gm14	9501508	9501780	Gmdrm	hyper	CHG	0.0487
Gm14	10021106	10021146	Gmdrm	hyper	CHG	0.06
Gm14	10034108	10034146	Gmdrm	hyper	CHG	0.1667
Gm14	10049755	10050043	Gmdrm	hyper	CHG	0.04
Gm14	10256071	10256399	Gmdrm	hyper	CHG	0.0267
Gm14	10537769	10537791	Gmdrm	hyper	CHG	0.1762
Gm14	10875557	10876087	Gmdrm	hyper	CHG	0.2159
Gm14	11111029	11111121	Gmdrm	hyper	CHG	0.052
Gm14	11126021	11126107	Gmdrm	hyper	CHG	0.042
Gm14	11174165	11174370	Gmdrm	hyper	CHG	0.0486
Gm14	11206702	11206835	Gmdrm	hyper	CHG	0.066
Gm14	11288767	11289119	Gmdrm	hyper	CHG	0.5394
Gm14	11664299	11664346	Gmdrm	hyper	CHG	0.1262
Gm14	11700855	11701132	Gmdrm	hyper	CHG	0.1726
Gm14	11717667	11717713	Gmdrm	hyper	CHG	0.218
Gm14	11794490	11794621	Gmdrm	hyper	CHG	0.378
Gm14	12101327	12101402	Gmdrm	hyper	CHG	0.1962
Gm14	12595498	12595719	Gmdrm	hyper	CHG	0.05
Gm14	12678512	12678587	Gmdrm	hyper	CHG	0.04
Gm14	12808045	12808432	Gmdrm	hyper	CHG	0.0646
Gm14	12922487	12922591	Gmdrm	hyper	CHG	0.036
Gm14	13162005	13162356	Gmdrm	hyper	CHG	0.2109
Gm14	13454349	13454452	Gmdrm	hyper	CHG	0.0683
Gm14	13531994	13532273	Gmdrm	hyper	CHG	0.0245
Gm14	13836978	13837102	Gmdrm	hyper	CHG	0.034
Gm14	14133994	14134092	Gmdrm	hyper	CHG	0.348
Gm14	14384415	14384542	Gmdrm	hyper	CHG	0.0387
Gm14	14977461	14978456	Gmdrm	hyper	CHG	0.1508
Gm14	15922702	15922807	Gmdrm	hyper	CHG	0.1166
Gm14	16142619	16142702	Gmdrm	hyper	CHG	0.1425
Gm14	16391364	16391425	Gmdrm	hyper	CHG	0.6175
Gm14	16511741	16511879	Gmdrm	hyper	CHG	0.145
Gm14	16589719	16589920	Gmdrm	hyper	CHG	0.165
Gm14	16661711	16661765	Gmdrm	hyper	CHG	0.342
Gm14	17403924	17403992	Gmdrm	hyper	CHG	0.27

Gm14	17730926	17731389	Gmdrm	hyper	CHG	0.1161
Gm14	17835691	17835751	Gmdrm	hyper	CHG	0.196
Gm14	17943287	17943403	Gmdrm	hyper	CHG	0.16
Gm14	18591927	18592049	Gmdrm	hyper	CHG	0.07
Gm14	18726021	18726951	Gmdrm	hyper	CHG	0.2674
Gm14	18727050	18727237	Gmdrm	hyper	CHG	0.461
Gm14	18727371	18727421	Gmdrm	hyper	CHG	0.195
Gm14	18793806	18793889	Gmdrm	hyper	CHG	0.285
Gm14	18874249	18874581	Gmdrm	hyper	CHG	0.2107
Gm14	19237806	19237965	Gmdrm	hyper	CHG	0.1012
Gm14	19264689	19264969	Gmdrm	hyper	CHG	0.0286
Gm14	19301484	19301799	Gmdrm	hyper	CHG	0.1506
Gm14	19319006	19319203	Gmdrm	hyper	CHG	0.064
Gm14	19573877	19574074	Gmdrm	hyper	CHG	0.1911
Gm14	19612425	19612531	Gmdrm	hyper	CHG	0.2334
Gm14	19618536	19619511	Gmdrm	hyper	CHG	0.0624
Gm14	19660530	19660679	Gmdrm	hyper	CHG	0.0644
Gm14	19725957	19726232	Gmdrm	hyper	CHG	0.1918
Gm14	19742670	19742807	Gmdrm	hyper	CHG	0.1188
Gm14	19882840	19883016	Gmdrm	hyper	CHG	0.054
Gm14	20171053	20171142	Gmdrm	hyper	CHG	0.1626
Gm14	20335864	20336352	Gmdrm	hyper	CHG	0.0508
Gm14	20600877	20601368	Gmdrm	hyper	CHG	0.1087
Gm14	21365871	21366844	Gmdrm	hyper	CHG	0.1255
Gm14	21667430	21667567	Gmdrm	hyper	CHG	0.256
Gm14	21755082	21755261	Gmdrm	hyper	CHG	0.03
Gm14	21984271	21984574	Gmdrm	hyper	CHG	0.4334
Gm14	21990062	21990249	Gmdrm	hyper	CHG	0.0743
Gm14	22566531	22567106	Gmdrm	hyper	CHG	0.1188
Gm14	22804841	22804952	Gmdrm	hyper	CHG	0.2445
Gm14	22835990	22836728	Gmdrm	hyper	CHG	0.3825
Gm14	22836869	22837125	Gmdrm	hyper	CHG	0.072
Gm14	22854493	22854732	Gmdrm	hyper	CHG	0.0378
Gm14	23114807	23115062	Gmdrm	hyper	CHG	0.235
Gm14	23278275	23278386	Gmdrm	hyper	CHG	0.062
Gm14	23278564	23279179	Gmdrm	hyper	CHG	0.154
Gm14	23289494	23289616	Gmdrm	hyper	CHG	0.2175
Gm14	23803914	23804000	Gmdrm	hyper	CHG	0.1984
Gm14	23878304	23878368	Gmdrm	hyper	CHG	0.068
Gm14	23902908	23903125	Gmdrm	hyper	CHG	0.22
Gm14	24097048	24097149	Gmdrm	hyper	CHG	0.28
Gm14	24511710	24511892	Gmdrm	hyper	CHG	0.0515
Gm14	24564975	24565168	Gmdrm	hyper	CHG	0.1534
Gm14	24645414	24646392	Gmdrm	hyper	CHG	0.0973
Gm14	24648453	24649406	Gmdrm	hyper	CHG	0.095
Gm14	24652597	24653138	Gmdrm	hyper	CHG	0.0654

Gm14	24722528	24722765	Gmdrm	hyper	CHG	0.1677
Gm14	24738060	24738438	Gmdrm	hyper	CHG	0.2113
Gm14	24947578	24947849	Gmdrm	hyper	CHG	0.3978
Gm14	24948015	24948449	Gmdrm	hyper	CHG	0.6926
Gm14	24954416	24954655	Gmdrm	hyper	CHG	0.0578
Gm14	25059627	25059764	Gmdrm	hyper	CHG	0.1809
Gm14	25310910	25311250	Gmdrm	hyper	CHG	0.2768
Gm14	25423795	25423841	Gmdrm	hyper	CHG	0.3313
Gm14	25836671	25836868	Gmdrm	hyper	CHG	0.0578
Gm14	26131540	26131956	Gmdrm	hyper	CHG	0.3847
Gm14	26221095	26221304	Gmdrm	hyper	CHG	0.4157
Gm14	26321896	26322266	Gmdrm	hyper	CHG	0.0275
Gm14	26764535	26764677	Gmdrm	hyper	CHG	0.3134
Gm14	27474717	27474855	Gmdrm	hyper	CHG	0.5609
Gm14	27477180	27477322	Gmdrm	hyper	CHG	0.038
Gm14	27768022	27768113	Gmdrm	hyper	CHG	0.044
Gm14	27828137	27828408	Gmdrm	hyper	CHG	0.0512
Gm14	27999275	27999499	Gmdrm	hyper	CHG	0.0757
Gm14	28151392	28151523	Gmdrm	hyper	CHG	0.055
Gm14	28526870	28527002	Gmdrm	hyper	CHG	0.0829
Gm14	28831946	28832104	Gmdrm	hyper	CHG	0.08
Gm14	28915394	28915599	Gmdrm	hyper	CHG	0.3827
Gm14	28955513	28955780	Gmdrm	hyper	CHG	0.05
Gm14	29276144	29277138	Gmdrm	hyper	CHG	0.0777
Gm14	29279687	29279840	Gmdrm	hyper	CHG	0.175
Gm14	29517847	29518042	Gmdrm	hyper	CHG	0.054
Gm14	29652910	29653085	Gmdrm	hyper	CHG	0.0545
Gm14	29697872	29698212	Gmdrm	hyper	CHG	0.05
Gm14	29699356	29699446	Gmdrm	hyper	CHG	0.0886
Gm14	29977392	29977577	Gmdrm	hyper	CHG	0.3261
Gm14	29994470	29994674	Gmdrm	hyper	CHG	0.446
Gm14	30045314	30045451	Gmdrm	hyper	CHG	0.1074
Gm14	30079592	30079636	Gmdrm	hyper	CHG	0.43
Gm14	30165362	30165534	Gmdrm	hyper	CHG	0.035
Gm14	30213316	30213384	Gmdrm	hyper	CHG	0.44
Gm14	30514833	30514934	Gmdrm	hyper	CHG	0.4971
Gm14	30745126	30745305	Gmdrm	hyper	CHG	0.0329
Gm14	31009166	31009335	Gmdrm	hyper	CHG	0.054
Gm14	31263990	31264043	Gmdrm	hyper	CHG	0.176
Gm14	31524912	31525105	Gmdrm	hyper	CHG	0.695
Gm14	31794029	31794590	Gmdrm	hyper	CHG	0.1423
Gm14	32007095	32007236	Gmdrm	hyper	CHG	0.1171
Gm14	32163549	32163734	Gmdrm	hyper	CHG	0.0915
Gm14	32196153	32196873	Gmdrm	hyper	CHG	0.2009
Gm14	32315207	32316189	Gmdrm	hyper	CHG	0.1463
Gm14	32332625	32332817	Gmdrm	hyper	CHG	0.3369

Gm14	32342581	32343565	Gmdrm	hyper	CHG	0.1364
Gm14	32394441	32394709	Gmdrm	hyper	CHG	0.146
Gm14	32405544	32405611	Gmdrm	hyper	CHG	0.518
Gm14	32405754	32405803	Gmdrm	hyper	CHG	0.875
Gm14	32405915	32405966	Gmdrm	hyper	CHG	0.2134
Gm14	32434623	32434701	Gmdrm	hyper	CHG	0.108
Gm14	32511619	32512072	Gmdrm	hyper	CHG	0.3672
Gm14	32607561	32607916	Gmdrm	hyper	CHG	0.041
Gm14	33594281	33594469	Gmdrm	hyper	CHG	0.045
Gm14	33694954	33695861	Gmdrm	hyper	CHG	0.0718
Gm14	33765423	33765567	Gmdrm	hyper	CHG	0.0667
Gm14	33897123	33897258	Gmdrm	hyper	CHG	0.4075
Gm14	35178374	35178463	Gmdrm	hyper	CHG	0.218
Gm14	35271803	35272080	Gmdrm	hyper	CHG	0.1453
Gm14	35472578	35473061	Gmdrm	hyper	CHG	0.2119
Gm14	35473192	35473250	Gmdrm	hyper	CHG	0.7228
Gm14	35982673	35982710	Gmdrm	hyper	CHG	0.294
Gm14	36512475	36512762	Gmdrm	hyper	CHG	0.05
Gm14	36609576	36609916	Gmdrm	hyper	CHG	0.1765
Gm14	36610532	36610683	Gmdrm	hyper	CHG	0.1938
Gm14	36992323	36992679	Gmdrm	hyper	CHG	0.2153
Gm14	37068463	37068900	Gmdrm	hyper	CHG	0.0533
Gm14	37250735	37251559	Gmdrm	hyper	CHG	0.1621
Gm14	37510982	37511049	Gmdrm	hyper	CHG	0.262
Gm14	37640826	37640933	Gmdrm	hyper	CHG	0.1543
Gm14	37885763	37886757	Gmdrm	hyper	CHG	0.0842
Gm14	38111138	38111238	Gmdrm	hyper	CHG	0.234
Gm14	39688716	39689607	Gmdrm	hyper	CHG	0.1457
Gm14	40078215	40078262	Gmdrm	hyper	CHG	0.34
Gm14	40315367	40315528	Gmdrm	hyper	CHG	0.1288
Gm14	40625221	40625581	Gmdrm	hyper	CHG	0.1075
Gm14	40665263	40665385	Gmdrm	hyper	CHG	0.2917
Gm14	40702982	40703130	Gmdrm	hyper	CHG	0.4523
Gm14	40711868	40712105	Gmdrm	hyper	CHG	0.0522
Gm14	40744603	40744882	Gmdrm	hyper	CHG	0.1
Gm14	40803011	40803829	Gmdrm	hyper	CHG	0.0951
Gm14	41289077	41289194	Gmdrm	hyper	CHG	0.032
Gm14	41462310	41462634	Gmdrm	hyper	CHG	0.339
Gm14	41591593	41591782	Gmdrm	hyper	CHG	0.1346
Gm14	41596413	41596833	Gmdrm	hyper	CHG	0.0616
Gm14	41996649	41996811	Gmdrm	hyper	CHG	0.042
Gm14	42208671	42208828	Gmdrm	hyper	CHG	0.0343
Gm14	42238295	42239283	Gmdrm	hyper	CHG	0.1701
Gm14	42452251	42452382	Gmdrm	hyper	CHG	0.0262
Gm14	42620815	42621172	Gmdrm	hyper	CHG	0.488
Gm14	42621400	42621640	Gmdrm	hyper	CHG	0.6471

Gm14	42665755	42665956	Gmdrm	hyper	CHG	0.0433
Gm14	42758427	42758508	Gmdrm	hyper	CHG	0.6934
Gm14	42758936	42759159	Gmdrm	hyper	CHG	0.2639
Gm14	42900060	42900512	Gmdrm	hyper	CHG	0.2604
Gm14	43074890	43074916	Gmdrm	hyper	CHG	0.14
Gm14	43109655	43109824	Gmdrm	hyper	CHG	0.5228
Gm14	43148952	43149043	Gmdrm	hyper	CHG	0.137
Gm14	43222338	43223211	Gmdrm	hyper	CHG	0.1731
Gm14	43560892	43561080	Gmdrm	hyper	CHG	0.0667
Gm14	43578370	43578568	Gmdrm	hyper	CHG	0.0287
Gm14	43801053	43801312	Gmdrm	hyper	CHG	0.0329
Gm14	44178339	44178372	Gmdrm	hyper	CHG	0.1933
Gm14	44946283	44946310	Gmdrm	hyper	CHG	0.05
Gm14	45079413	45079582	Gmdrm	hyper	CHG	0.1534
Gm14	45301352	45301997	Gmdrm	hyper	CHG	0.0578
Gm14	45445513	45445579	Gmdrm	hyper	CHG	0.048
Gm14	45989976	45990243	Gmdrm	hyper	CHG	0.04
Gm14	46412369	46412501	Gmdrm	hyper	CHG	0.0384
Gm14	46612107	46612465	Gmdrm	hyper	CHG	0.2822
Gm14	46666554	46666964	Gmdrm	hyper	CHG	0.034
Gm14	46713068	46713275	Gmdrm	hyper	CHG	0.042
Gm14	46760723	46760876	Gmdrm	hyper	CHG	0.055
Gm14	46808203	46808736	Gmdrm	hyper	CHG	0.028
Gm14	46838225	46838462	Gmdrm	hyper	CHG	0.044
Gm14	46970083	46970314	Gmdrm	hyper	CHG	0.2767
Gm14	46994286	46994458	Gmdrm	hyper	CHG	0.0433
Gm14	46997060	46997232	Gmdrm	hyper	CHG	0.035
Gm14	47014509	47014674	Gmdrm	hyper	CHG	0.04
Gm14	47029819	47030000	Gmdrm	hyper	CHG	0.0325
Gm14	47112637	47112835	Gmdrm	hyper	CHG	0.0864
Gm14	47162812	47162918	Gmdrm	hyper	CHG	0.052
Gm14	47270512	47270761	Gmdrm	hyper	CHG	0.0614
Gm14	47313014	47313948	Gmdrm	hyper	CHG	0.1993
Gm14	47512712	47512887	Gmdrm	hyper	CHG	0.042
Gm14	47648944	47649077	Gmdrm	hyper	CHG	0.044
Gm14	48050233	48050306	Gmdrm	hyper	CHG	0.0433
Gm14	48168208	48168376	Gmdrm	hyper	CHG	0.0325
Gm14	48168493	48168673	Gmdrm	hyper	CHG	0.0537
Gm14	48288817	48289008	Gmdrm	hyper	CHG	0.037
Gm14	48372391	48372598	Gmdrm	hyper	CHG	0.068
Gm14	48563099	48563358	Gmdrm	hyper	CHG	0.05
Gm14	48571067	48571328	Gmdrm	hyper	CHG	0.5515
Gm14	48589387	48589624	Gmdrm	hyper	CHG	0.088
Gm14	48662421	48662706	Gmdrm	hyper	CHG	0.0425
Gm14	48667557	48667895	Gmdrm	hyper	CHG	0.0328
Gm14	48837665	48837689	Gmdrm	hyper	CHG	0.056

Gm14	48863861	48864066	Gmdrm	hyper	CHG	0.0686
Gm14	48924863	48924942	Gmdrm	hyper	CHG	0.048
Gm14	49177215	49177324	Gmdrm	hyper	CHG	0.102
Gm14	49202716	49202789	Gmdrm	hyper	CHG	0.034
Gm14	49206120	49206175	Gmdrm	hyper	CHG	0.3266
Gm14	49328941	49329305	Gmdrm	hyper	CHG	0.0473
Gm14	49384858	49384933	Gmdrm	hyper	CHG	0.2175
Gm14	49563260	49563436	Gmdrm	hyper	CHG	0.0517
Gm14	49648069	49648731	Gmdrm	hyper	CHG	0.1662
Gm14_scaffol	3697	3824	Gmdrm	hyper	CHG	0.082
Gm15	54248	54316	Gmdrm	hyper	CHG	0.0283
Gm15	102891	102997	Gmdrm	hyper	CHG	0.094
Gm15	229576	229757	Gmdrm	hyper	CHG	0.068
Gm15	265144	265322	Gmdrm	hyper	CHG	0.0366
Gm15	286213	286521	Gmdrm	hyper	CHG	0.0388
Gm15	311296	311480	Gmdrm	hyper	CHG	0.0313
Gm15	433625	433759	Gmdrm	hyper	CHG	0.0629
Gm15	476192	476432	Gmdrm	hyper	CHG	0.055
Gm15	687841	687975	Gmdrm	hyper	CHG	0.034
Gm15	768763	769032	Gmdrm	hyper	CHG	0.0477
Gm15	772855	773106	Gmdrm	hyper	CHG	0.054
Gm15	773230	773465	Gmdrm	hyper	CHG	0.0789
Gm15	879150	879202	Gmdrm	hyper	CHG	0.048
Gm15	1103097	1103259	Gmdrm	hyper	CHG	0.0317
Gm15	1271512	1271587	Gmdrm	hyper	CHG	0.066
Gm15	1403950	1404067	Gmdrm	hyper	CHG	0.0372
Gm15	1434149	1434469	Gmdrm	hyper	CHG	0.043
Gm15	1520319	1520383	Gmdrm	hyper	CHG	0.036
Gm15	1705839	1706141	Gmdrm	hyper	CHG	0.0313
Gm15	1730227	1730403	Gmdrm	hyper	CHG	0.0345
Gm15	1750724	1750877	Gmdrm	hyper	CHG	0.0443
Gm15	1928542	1929001	Gmdrm	hyper	CHG	0.0417
Gm15	1930258	1930348	Gmdrm	hyper	CHG	0.062
Gm15	1931326	1931518	Gmdrm	hyper	CHG	0.062
Gm15	1944743	1945087	Gmdrm	hyper	CHG	0.0633
Gm15	2052285	2052764	Gmdrm	hyper	CHG	0.0638
Gm15	2175819	2176120	Gmdrm	hyper	CHG	0.0467
Gm15	2176238	2176525	Gmdrm	hyper	CHG	0.044
Gm15	2275513	2275931	Gmdrm	hyper	CHG	0.0391
Gm15	2337970	2338323	Gmdrm	hyper	CHG	0.0345
Gm15	2477381	2477592	Gmdrm	hyper	CHG	0.0437
Gm15	2491929	2492047	Gmdrm	hyper	CHG	0.06
Gm15	2565225	2565403	Gmdrm	hyper	CHG	0.0343
Gm15	2644968	2645191	Gmdrm	hyper	CHG	0.048
Gm15	2692686	2692896	Gmdrm	hyper	CHG	0.04
Gm15	2699910	2700022	Gmdrm	hyper	CHG	0.44

Gm15	2790784	2791065	Gmdrm	hyper	CHG	0.084
Gm15	2867386	2867705	Gmdrm	hyper	CHG	0.04
Gm15	2938636	2938747	Gmdrm	hyper	CHG	0.06
Gm15	3066435	3066700	Gmdrm	hyper	CHG	0.0338
Gm15	3330274	3330657	Gmdrm	hyper	CHG	0.0677
Gm15	3358030	3358341	Gmdrm	hyper	CHG	0.0234
Gm15	3470620	3470929	Gmdrm	hyper	CHG	0.0355
Gm15	3580953	3581178	Gmdrm	hyper	CHG	0.0536
Gm15	3650420	3650568	Gmdrm	hyper	CHG	0.04
Gm15	3699062	3699686	Gmdrm	hyper	CHG	0.0379
Gm15	3826949	3827025	Gmdrm	hyper	CHG	0.0433
Gm15	3998719	3998952	Gmdrm	hyper	CHG	0.0578
Gm15	4076136	4076430	Gmdrm	hyper	CHG	0.05
Gm15	4114992	4115397	Gmdrm	hyper	CHG	0.0347
Gm15	4224201	4224405	Gmdrm	hyper	CHG	0.0413
Gm15	4267984	4268137	Gmdrm	hyper	CHG	0.11
Gm15	4308074	4308171	Gmdrm	hyper	CHG	0.06
Gm15	4321390	4321558	Gmdrm	hyper	CHG	0.052
Gm15	4368511	4368607	Gmdrm	hyper	CHG	0.066
Gm15	4419199	4419354	Gmdrm	hyper	CHG	0.0686
Gm15	4446772	4446893	Gmdrm	hyper	CHG	0.056
Gm15	4588173	4588336	Gmdrm	hyper	CHG	0.0557
Gm15	4595876	4596074	Gmdrm	hyper	CHG	0.0378
Gm15	4758440	4758684	Gmdrm	hyper	CHG	0.09
Gm15	4794722	4794899	Gmdrm	hyper	CHG	0.0467
Gm15	4840549	4840731	Gmdrm	hyper	CHG	0.0362
Gm15	4859301	4859611	Gmdrm	hyper	CHG	0.0626
Gm15	4915630	4915711	Gmdrm	hyper	CHG	0.064
Gm15	5130734	5130872	Gmdrm	hyper	CHG	0.08
Gm15	5138664	5138901	Gmdrm	hyper	CHG	0.0758
Gm15	5149059	5149223	Gmdrm	hyper	CHG	0.04
Gm15	5312443	5312494	Gmdrm	hyper	CHG	0.075
Gm15	5495350	5495518	Gmdrm	hyper	CHG	0.038
Gm15	5511104	5511455	Gmdrm	hyper	CHG	0.035
Gm15	5751697	5751839	Gmdrm	hyper	CHG	0.03
Gm15	5783320	5783442	Gmdrm	hyper	CHG	0.0433
Gm15	5843925	5844053	Gmdrm	hyper	CHG	0.025
Gm15	5881070	5881201	Gmdrm	hyper	CHG	0.042
Gm15	5883420	5883687	Gmdrm	hyper	CHG	0.1017
Gm15	5886686	5887153	Gmdrm	hyper	CHG	0.2287
Gm15	5890008	5890538	Gmdrm	hyper	CHG	0.0437
Gm15	5976506	5976653	Gmdrm	hyper	CHG	0.062
Gm15	6079157	6079376	Gmdrm	hyper	CHG	0.07
Gm15	6131129	6131413	Gmdrm	hyper	CHG	0.0438
Gm15	6138102	6138314	Gmdrm	hyper	CHG	0.0372
Gm15	6179223	6179365	Gmdrm	hyper	CHG	0.036

Gm15	6198152	6198531	Gmdrm	hyper	CHG	0.04
Gm15	6346016	6346230	Gmdrm	hyper	CHG	0.0367
Gm15	6471339	6471432	Gmdrm	hyper	CHG	0.0372
Gm15	6736418	6736500	Gmdrm	hyper	CHG	0.046
Gm15	6736619	6736639	Gmdrm	hyper	CHG	0.052
Gm15	6746998	6747184	Gmdrm	hyper	CHG	0.03
Gm15	6873259	6873681	Gmdrm	hyper	CHG	0.038
Gm15	6930962	6931017	Gmdrm	hyper	CHG	0.0433
Gm15	6936639	6936785	Gmdrm	hyper	CHG	0.3333
Gm15	7053999	7054087	Gmdrm	hyper	CHG	0.052
Gm15	7164442	7164713	Gmdrm	hyper	CHG	0.0443
Gm15	7340752	7341087	Gmdrm	hyper	CHG	0.04
Gm15	7349495	7349691	Gmdrm	hyper	CHG	0.035
Gm15	7442779	7442935	Gmdrm	hyper	CHG	0.0317
Gm15	7523689	7524046	Gmdrm	hyper	CHG	0.057
Gm15	7536237	7536407	Gmdrm	hyper	CHG	0.0329
Gm15	7720999	7721148	Gmdrm	hyper	CHG	0.0325
Gm15	8255445	8255557	Gmdrm	hyper	CHG	0.0271
Gm15	8412177	8412503	Gmdrm	hyper	CHG	0.0425
Gm15	8517550	8517827	Gmdrm	hyper	CHG	0.0243
Gm15	8557732	8557909	Gmdrm	hyper	CHG	0.0577
Gm15	8559854	8560056	Gmdrm	hyper	CHG	0.04
Gm15	8700232	8700643	Gmdrm	hyper	CHG	0.0364
Gm15	8727038	8727539	Gmdrm	hyper	CHG	0.03
Gm15	8822947	8823142	Gmdrm	hyper	CHG	0.0845
Gm15	8840579	8840697	Gmdrm	hyper	CHG	0.0243
Gm15	9109951	9110182	Gmdrm	hyper	CHG	0.0883
Gm15	9130566	9130817	Gmdrm	hyper	CHG	0.0483
Gm15	9137479	9137666	Gmdrm	hyper	CHG	0.0438
Gm15	9193710	9193805	Gmdrm	hyper	CHG	0.0514
Gm15	9195815	9196056	Gmdrm	hyper	CHG	0.0282
Gm15	9230417	9230615	Gmdrm	hyper	CHG	0.036
Gm15	9322783	9322972	Gmdrm	hyper	CHG	0.04
Gm15	9471609	9471794	Gmdrm	hyper	CHG	0.0443
Gm15	9558445	9558544	Gmdrm	hyper	CHG	0.4766
Gm15	9623265	9623388	Gmdrm	hyper	CHG	0.044
Gm15	9643601	9643677	Gmdrm	hyper	CHG	0.04
Gm15	9703404	9703812	Gmdrm	hyper	CHG	0.16
Gm15	9722600	9722795	Gmdrm	hyper	CHG	0.0384
Gm15	9738125	9738245	Gmdrm	hyper	CHG	0.0417
Gm15	9852599	9853132	Gmdrm	hyper	CHG	0.0239
Gm15	10317150	10317231	Gmdrm	hyper	CHG	0.026
Gm15	10388225	10388414	Gmdrm	hyper	CHG	0.5638
Gm15	10391570	10392015	Gmdrm	hyper	CHG	0.2607
Gm15	10468993	10469267	Gmdrm	hyper	CHG	0.0356
Gm15	10471666	10471841	Gmdrm	hyper	CHG	0.058

Gm15	10479038	10479382	Gmdrm	hyper	CHG	0.0392
Gm15	10501984	10502420	Gmdrm	hyper	CHG	0.0622
Gm15	10594669	10594951	Gmdrm	hyper	CHG	0.4222
Gm15	10661009	10661179	Gmdrm	hyper	CHG	0.025
Gm15	10680133	10680303	Gmdrm	hyper	CHG	0.0538
Gm15	10771958	10772197	Gmdrm	hyper	CHG	0.0567
Gm15	10773533	10773633	Gmdrm	hyper	CHG	0.06
Gm15	10831668	10831838	Gmdrm	hyper	CHG	0.044
Gm15	11018350	11018402	Gmdrm	hyper	CHG	0.052
Gm15	11168029	11168173	Gmdrm	hyper	CHG	0.05
Gm15	11287453	11287662	Gmdrm	hyper	CHG	0.2292
Gm15	11287830	11288012	Gmdrm	hyper	CHG	0.078
Gm15	11288130	11288600	Gmdrm	hyper	CHG	0.2462
Gm15	11299325	11299563	Gmdrm	hyper	CHG	0.0382
Gm15	11388789	11388936	Gmdrm	hyper	CHG	0.0716
Gm15	11628590	11628689	Gmdrm	hyper	CHG	0.6678
Gm15	11720105	11720244	Gmdrm	hyper	CHG	0.0343
Gm15	11830065	11830120	Gmdrm	hyper	CHG	0.06
Gm15	11852903	11853099	Gmdrm	hyper	CHG	0.04
Gm15	11906805	11906949	Gmdrm	hyper	CHG	0.08
Gm15	12039453	12039750	Gmdrm	hyper	CHG	0.068
Gm15	12049769	12050357	Gmdrm	hyper	CHG	0.0324
Gm15	12053146	12053268	Gmdrm	hyper	CHG	0.0734
Gm15	12067265	12067359	Gmdrm	hyper	CHG	0.0533
Gm15	12244012	12244226	Gmdrm	hyper	CHG	0.1391
Gm15	12285923	12286028	Gmdrm	hyper	CHG	0.045
Gm15	12338247	12338348	Gmdrm	hyper	CHG	0.2728
Gm15	12353184	12353344	Gmdrm	hyper	CHG	0.0383
Gm15	12422277	12422534	Gmdrm	hyper	CHG	0.5057
Gm15	12561179	12561325	Gmdrm	hyper	CHG	0.0385
Gm15	12612501	12612786	Gmdrm	hyper	CHG	0.0473
Gm15	12635633	12635687	Gmdrm	hyper	CHG	0.048
Gm15	12799871	12799931	Gmdrm	hyper	CHG	0.1137
Gm15	12885630	12885717	Gmdrm	hyper	CHG	0.062
Gm15	12925946	12926211	Gmdrm	hyper	CHG	0.06
Gm15	12934989	12935320	Gmdrm	hyper	CHG	0.035
Gm15	13057474	13057834	Gmdrm	hyper	CHG	0.0356
Gm15	13058191	13059097	Gmdrm	hyper	CHG	0.3268
Gm15	13074953	13075067	Gmdrm	hyper	CHG	0.084
Gm15	13101176	13101358	Gmdrm	hyper	CHG	0.1463
Gm15	13195956	13196294	Gmdrm	hyper	CHG	0.092
Gm15	13213843	13213890	Gmdrm	hyper	CHG	0.068
Gm15	13225278	13225656	Gmdrm	hyper	CHG	0.0573
Gm15	13693723	13693979	Gmdrm	hyper	CHG	0.1913
Gm15	13793535	13793850	Gmdrm	hyper	CHG	0.0935
Gm15	13813952	13814142	Gmdrm	hyper	CHG	0.6074

Gm15	13928433	13928858	Gmdrm	hyper	CHG	0.3025
Gm15	13938257	13938455	Gmdrm	hyper	CHG	0.05
Gm15	14048426	14048615	Gmdrm	hyper	CHG	0.042
Gm15	14071678	14072333	Gmdrm	hyper	CHG	0.2593
Gm15	14072479	14072885	Gmdrm	hyper	CHG	0.3975
Gm15	14074338	14074423	Gmdrm	hyper	CHG	0.52
Gm15	14074654	14074693	Gmdrm	hyper	CHG	0.535
Gm15	14074813	14075423	Gmdrm	hyper	CHG	0.1357
Gm15	14093872	14094069	Gmdrm	hyper	CHG	0.065
Gm15	14125885	14126299	Gmdrm	hyper	CHG	0.0546
Gm15	14143056	14143086	Gmdrm	hyper	CHG	0.044
Gm15	14205519	14205729	Gmdrm	hyper	CHG	0.0367
Gm15	14357015	14357130	Gmdrm	hyper	CHG	0.1042
Gm15	14461042	14461390	Gmdrm	hyper	CHG	0.2115
Gm15	14642074	14642205	Gmdrm	hyper	CHG	0.042
Gm15	14666107	14666391	Gmdrm	hyper	CHG	0.123
Gm15	14695054	14695163	Gmdrm	hyper	CHG	0.2387
Gm15	14702081	14702179	Gmdrm	hyper	CHG	0.028
Gm15	14785635	14785668	Gmdrm	hyper	CHG	0.03
Gm15	14904362	14904511	Gmdrm	hyper	CHG	0.058
Gm15	15164773	15164935	Gmdrm	hyper	CHG	0.4667
Gm15	15244475	15244687	Gmdrm	hyper	CHG	0.1889
Gm15	15255140	15255238	Gmdrm	hyper	CHG	0.0617
Gm15	15336897	15336948	Gmdrm	hyper	CHG	0.135
Gm15	15370063	15370207	Gmdrm	hyper	CHG	0.044
Gm15	15374950	15375167	Gmdrm	hyper	CHG	0.1922
Gm15	15534829	15535272	Gmdrm	hyper	CHG	0.0228
Gm15	15582091	15582347	Gmdrm	hyper	CHG	0.0489
Gm15	15663151	15663603	Gmdrm	hyper	CHG	0.0592
Gm15	15713834	15714211	Gmdrm	hyper	CHG	0.032
Gm15	15809413	15809483	Gmdrm	hyper	CHG	0.0466
Gm15	15952665	15952701	Gmdrm	hyper	CHG	0.026
Gm15	16011673	16012321	Gmdrm	hyper	CHG	0.1183
Gm15	16740816	16741016	Gmdrm	hyper	CHG	0.0917
Gm15	16913582	16913831	Gmdrm	hyper	CHG	0.03
Gm15	17020718	17021685	Gmdrm	hyper	CHG	0.2788
Gm15	17148642	17148757	Gmdrm	hyper	CHG	0.042
Gm15	17150824	17151079	Gmdrm	hyper	CHG	0.064
Gm15	17184713	17184987	Gmdrm	hyper	CHG	0.2654
Gm15	17428431	17428592	Gmdrm	hyper	CHG	0.0378
Gm15	17429194	17429314	Gmdrm	hyper	CHG	0.353
Gm15	17461200	17461308	Gmdrm	hyper	CHG	0.2
Gm15	17820961	17821135	Gmdrm	hyper	CHG	0.018
Gm15	17954986	17955175	Gmdrm	hyper	CHG	0.0586
Gm15	17958018	17958227	Gmdrm	hyper	CHG	0.0467
Gm15	18024849	18025021	Gmdrm	hyper	CHG	0.0337

Gm15	18407750	18407809	Gmdrm	hyper	CHG	0.1886
Gm15	18511134	18511920	Gmdrm	hyper	CHG	0.2363
Gm15	18597513	18597710	Gmdrm	hyper	CHG	0.048
Gm15	18621379	18621482	Gmdrm	hyper	CHG	0.45
Gm15	19497953	19498450	Gmdrm	hyper	CHG	0.35
Gm15	19612814	19612910	Gmdrm	hyper	CHG	0.0583
Gm15	20519945	20520101	Gmdrm	hyper	CHG	0.3129
Gm15	21013790	21014335	Gmdrm	hyper	CHG	0.0545
Gm15	21505707	21505887	Gmdrm	hyper	CHG	0.046
Gm15	21557802	21558352	Gmdrm	hyper	CHG	0.3969
Gm15	21642745	21643217	Gmdrm	hyper	CHG	0.238
Gm15	21751663	21752427	Gmdrm	hyper	CHG	0.1785
Gm15	21752636	21753266	Gmdrm	hyper	CHG	0.1028
Gm15	21886178	21886656	Gmdrm	hyper	CHG	0.1164
Gm15	21886817	21887201	Gmdrm	hyper	CHG	0.0871
Gm15	22179892	22180374	Gmdrm	hyper	CHG	0.3654
Gm15	22180480	22181103	Gmdrm	hyper	CHG	0.3123
Gm15	22619064	22619254	Gmdrm	hyper	CHG	0.055
Gm15	23033612	23034319	Gmdrm	hyper	CHG	0.1331
Gm15	23034705	23034778	Gmdrm	hyper	CHG	0.2089
Gm15	23263240	23263381	Gmdrm	hyper	CHG	0.2149
Gm15	23704670	23704891	Gmdrm	hyper	CHG	0.042
Gm15	23880677	23881086	Gmdrm	hyper	CHG	0.1791
Gm15	24068918	24069031	Gmdrm	hyper	CHG	0.0816
Gm15	24085882	24085944	Gmdrm	hyper	CHG	0.3312
Gm15	24301455	24301692	Gmdrm	hyper	CHG	0.4031
Gm15	24525101	24525245	Gmdrm	hyper	CHG	0.1957
Gm15	24912907	24912999	Gmdrm	hyper	CHG	0.182
Gm15	25054527	25054649	Gmdrm	hyper	CHG	0.26
Gm15	25090492	25090848	Gmdrm	hyper	CHG	0.0612
Gm15	25168410	25168501	Gmdrm	hyper	CHG	0.2714
Gm15	25476618	25476714	Gmdrm	hyper	CHG	0.09
Gm15	25520658	25520758	Gmdrm	hyper	CHG	0.138
Gm15	26380285	26380467	Gmdrm	hyper	CHG	0.1207
Gm15	26576636	26576893	Gmdrm	hyper	CHG	0.0655
Gm15	26899843	26900293	Gmdrm	hyper	CHG	0.1226
Gm15	27271356	27272070	Gmdrm	hyper	CHG	0.1236
Gm15	27843041	27843096	Gmdrm	hyper	CHG	0.1066
Gm15	28175464	28175491	Gmdrm	hyper	CHG	0.292
Gm15	28762573	28762690	Gmdrm	hyper	CHG	0.042
Gm15	29559570	29559680	Gmdrm	hyper	CHG	0.195
Gm15	29667624	29668595	Gmdrm	hyper	CHG	0.1243
Gm15	29668729	29668959	Gmdrm	hyper	CHG	0.225
Gm15	29671096	29671460	Gmdrm	hyper	CHG	0.2155
Gm15	30169670	30169800	Gmdrm	hyper	CHG	0.32
Gm15	30206263	30206390	Gmdrm	hyper	CHG	0.3462

Gm15	30589075	30589302	Gmdrm	hyper	CHG	0.0617
Gm15	30591389	30591628	Gmdrm	hyper	CHG	0.219
Gm15	30739707	30739890	Gmdrm	hyper	CHG	0.1572
Gm15	31036316	31036391	Gmdrm	hyper	CHG	0.422
Gm15	31143398	31143632	Gmdrm	hyper	CHG	0.4283
Gm15	32455565	32455933	Gmdrm	hyper	CHG	0.0927
Gm15	32831305	32831394	Gmdrm	hyper	CHG	0.2767
Gm15	32968224	32968412	Gmdrm	hyper	CHG	0.265
Gm15	32981701	32981852	Gmdrm	hyper	CHG	0.1537
Gm15	33052287	33052605	Gmdrm	hyper	CHG	0.0478
Gm15	33056041	33056236	Gmdrm	hyper	CHG	0.0457
Gm15	33133308	33133498	Gmdrm	hyper	CHG	0.0325
Gm15	33136193	33136374	Gmdrm	hyper	CHG	0.102
Gm15	33691311	33691512	Gmdrm	hyper	CHG	0.5459
Gm15	33691629	33691747	Gmdrm	hyper	CHG	0.5076
Gm15	33813307	33813480	Gmdrm	hyper	CHG	0.1872
Gm15	33858117	33858195	Gmdrm	hyper	CHG	0.055
Gm15	33858592	33858778	Gmdrm	hyper	CHG	0.477
Gm15	33905291	33905308	Gmdrm	hyper	CHG	0.215
Gm15	34007359	34007636	Gmdrm	hyper	CHG	0.2289
Gm15	34267685	34267737	Gmdrm	hyper	CHG	0.114
Gm15	34348218	34349212	Gmdrm	hyper	CHG	0.2264
Gm15	34389852	34390278	Gmdrm	hyper	CHG	0.1529
Gm15	34522914	34523910	Gmdrm	hyper	CHG	0.2328
Gm15	34525388	34525940	Gmdrm	hyper	CHG	0.2591
Gm15	34528867	34529376	Gmdrm	hyper	CHG	0.3532
Gm15	34618152	34618624	Gmdrm	hyper	CHG	0.2828
Gm15	34623140	34623449	Gmdrm	hyper	CHG	0.4729
Gm15	35209500	35209668	Gmdrm	hyper	CHG	0.2038
Gm15	35444692	35444914	Gmdrm	hyper	CHG	0.055
Gm15	36025144	36025235	Gmdrm	hyper	CHG	0.2314
Gm15	36548692	36548820	Gmdrm	hyper	CHG	0.1957
Gm15	36642766	36642840	Gmdrm	hyper	CHG	0.235
Gm15	37202070	37202217	Gmdrm	hyper	CHG	0.1883
Gm15	37323964	37324211	Gmdrm	hyper	CHG	0.47
Gm15	37431310	37431519	Gmdrm	hyper	CHG	0.1525
Gm15	38652310	38652591	Gmdrm	hyper	CHG	0.1946
Gm15	38794720	38794838	Gmdrm	hyper	CHG	0.0433
Gm15	39091227	39091336	Gmdrm	hyper	CHG	0.11
Gm15	39161896	39161947	Gmdrm	hyper	CHG	0.1955
Gm15	39791162	39792161	Gmdrm	hyper	CHG	0.2279
Gm15	39792167	39792815	Gmdrm	hyper	CHG	0.2042
Gm15	39992996	39993455	Gmdrm	hyper	CHG	0.2357
Gm15	40003838	40004771	Gmdrm	hyper	CHG	0.1632
Gm15	40070208	40070712	Gmdrm	hyper	CHG	0.0975
Gm15	40197663	40198302	Gmdrm	hyper	CHG	0.2372

Gm15	40235031	40235478	Gmdrm	hyper	CHG	0.1285
Gm15	40237011	40237985	Gmdrm	hyper	CHG	0.2165
Gm15	40238013	40238080	Gmdrm	hyper	CHG	0.5133
Gm15	40238636	40239112	Gmdrm	hyper	CHG	0.1955
Gm15	40239550	40239782	Gmdrm	hyper	CHG	0.409
Gm15	40239956	40240356	Gmdrm	hyper	CHG	0.3195
Gm15	40240466	40240631	Gmdrm	hyper	CHG	0.3346
Gm15	40240850	40241544	Gmdrm	hyper	CHG	0.2793
Gm15	40241648	40242642	Gmdrm	hyper	CHG	0.1416
Gm15	40242670	40243424	Gmdrm	hyper	CHG	0.1444
Gm15	40244854	40245035	Gmdrm	hyper	CHG	0.2363
Gm15	40246185	40246367	Gmdrm	hyper	CHG	0.3086
Gm15	40246566	40247414	Gmdrm	hyper	CHG	0.2197
Gm15	40256663	40256999	Gmdrm	hyper	CHG	0.2427
Gm15	40261465	40261901	Gmdrm	hyper	CHG	0.247
Gm15	40278590	40278656	Gmdrm	hyper	CHG	0.2211
Gm15	40281015	40281255	Gmdrm	hyper	CHG	0.202
Gm15	40428674	40428868	Gmdrm	hyper	CHG	0.11
Gm15	40470193	40470572	Gmdrm	hyper	CHG	0.3292
Gm15	40627852	40627944	Gmdrm	hyper	CHG	0.036
Gm15	40641079	40641145	Gmdrm	hyper	CHG	0.1263
Gm15	40702482	40702604	Gmdrm	hyper	CHG	0.0283
Gm15	40750155	40750313	Gmdrm	hyper	CHG	0.082
Gm15	40865630	40865808	Gmdrm	hyper	CHG	0.048
Gm15	41129698	41129940	Gmdrm	hyper	CHG	0.45
Gm15	41168299	41168489	Gmdrm	hyper	CHG	0.525
Gm15	41376685	41376994	Gmdrm	hyper	CHG	0.0463
Gm15	41428928	41429010	Gmdrm	hyper	CHG	0.274
Gm15	41607430	41607510	Gmdrm	hyper	CHG	0.0638
Gm15	41625724	41626044	Gmdrm	hyper	CHG	0.0467
Gm15	42054803	42054948	Gmdrm	hyper	CHG	0.31
Gm15	42090043	42090137	Gmdrm	hyper	CHG	0.1266
Gm15	42270221	42270524	Gmdrm	hyper	CHG	0.2236
Gm15	42286913	42287118	Gmdrm	hyper	CHG	0.046
Gm15	42292743	42292980	Gmdrm	hyper	CHG	0.2891
Gm15	42416174	42416349	Gmdrm	hyper	CHG	0.0629
Gm15	43033709	43034190	Gmdrm	hyper	CHG	0.3004
Gm15	43450766	43451014	Gmdrm	hyper	CHG	0.478
Gm15	43901921	43902143	Gmdrm	hyper	CHG	0.0417
Gm15	43938752	43938976	Gmdrm	hyper	CHG	0.035
Gm15	43999083	43999206	Gmdrm	hyper	CHG	0.044
Gm15	44038851	44039223	Gmdrm	hyper	CHG	0.0387
Gm15	44137207	44137596	Gmdrm	hyper	CHG	0.2456
Gm15	44239676	44240230	Gmdrm	hyper	CHG	0.042
Gm15	44301193	44301410	Gmdrm	hyper	CHG	0.0443
Gm15	44356142	44356247	Gmdrm	hyper	CHG	0.062

Gm15	44378895	44379146	Gmdrm	hyper	CHG	0.06
Gm15	44532009	44532362	Gmdrm	hyper	CHG	0.2754
Gm15	44856457	44856556	Gmdrm	hyper	CHG	0.044
Gm15	45004443	45004821	Gmdrm	hyper	CHG	0.1674
Gm15	45039079	45039730	Gmdrm	hyper	CHG	0.1221
Gm15	45039833	45040744	Gmdrm	hyper	CHG	0.1452
Gm15	45040998	45041929	Gmdrm	hyper	CHG	0.1354
Gm15	45041999	45042502	Gmdrm	hyper	CHG	0.2283
Gm15	45042899	45043848	Gmdrm	hyper	CHG	0.2335
Gm15	45043969	45044413	Gmdrm	hyper	CHG	0.1804
Gm15	45045641	45045934	Gmdrm	hyper	CHG	0.1077
Gm15	45102449	45102610	Gmdrm	hyper	CHG	0.0383
Gm15	45102713	45102969	Gmdrm	hyper	CHG	0.03
Gm15	45165216	45165323	Gmdrm	hyper	CHG	0.45
Gm15	45195616	45195634	Gmdrm	hyper	CHG	0.3729
Gm15	45294597	45294924	Gmdrm	hyper	CHG	0.0645
Gm15	45314413	45314779	Gmdrm	hyper	CHG	0.0338
Gm15	45322223	45322292	Gmdrm	hyper	CHG	0.0471
Gm15	45328284	45328373	Gmdrm	hyper	CHG	0.082
Gm15	45731257	45731445	Gmdrm	hyper	CHG	0.06
Gm15	45859372	45859501	Gmdrm	hyper	CHG	0.244
Gm15	45881909	45882333	Gmdrm	hyper	CHG	0.2068
Gm15	47674286	47674378	Gmdrm	hyper	CHG	0.2
Gm15	48069511	48069665	Gmdrm	hyper	CHG	0.278
Gm15	48117644	48117753	Gmdrm	hyper	CHG	0.098
Gm15	48407596	48407672	Gmdrm	hyper	CHG	0.068
Gm15	48409063	48409174	Gmdrm	hyper	CHG	0.0567
Gm15	48524217	48524716	Gmdrm	hyper	CHG	0.0553
Gm15	48560719	48560856	Gmdrm	hyper	CHG	0.0523
Gm15	48713874	48714054	Gmdrm	hyper	CHG	0.4455
Gm15	48846877	48847080	Gmdrm	hyper	CHG	0.0728
Gm15	48848375	48848522	Gmdrm	hyper	CHG	0.0517
Gm15	49216445	49216731	Gmdrm	hyper	CHG	0.3342
Gm15	49250274	49250572	Gmdrm	hyper	CHG	0.4219
Gm15	49351337	49351519	Gmdrm	hyper	CHG	0.0417
Gm15	49451513	49451818	Gmdrm	hyper	CHG	0.0343
Gm15	49460875	49461299	Gmdrm	hyper	CHG	0.0335
Gm15	49622655	49622873	Gmdrm	hyper	CHG	0.1058
Gm15	49690249	49690312	Gmdrm	hyper	CHG	0.436
Gm15	49797621	49797898	Gmdrm	hyper	CHG	0.04
Gm15	49890010	49890197	Gmdrm	hyper	CHG	0.042
Gm15	49909853	49910083	Gmdrm	hyper	CHG	0.0387
Gm15	50076214	50076484	Gmdrm	hyper	CHG	0.108
Gm15	50152279	50152500	Gmdrm	hyper	CHG	0.0411
Gm15	50197010	50197125	Gmdrm	hyper	CHG	0.056
Gm15	50219276	50219420	Gmdrm	hyper	CHG	0.04

Gm15	50275105	50275213	Gmdrm	hyper	CHG	0.044
Gm15	50371254	50371352	Gmdrm	hyper	CHG	0.1417
Gm15	50506034	50506243	Gmdrm	hyper	CHG	0.0666
Gm15	50548673	50548823	Gmdrm	hyper	CHG	0.0767
Gm15	50551665	50552041	Gmdrm	hyper	CHG	0.0367
Gm15	50616682	50616882	Gmdrm	hyper	CHG	0.165
Gm15	50640842	50641231	Gmdrm	hyper	CHG	0.0342
Gm15	50656306	50656557	Gmdrm	hyper	CHG	0.0522
Gm15	50701015	50701576	Gmdrm	hyper	CHG	0.4427
Gm15	50701935	50702083	Gmdrm	hyper	CHG	0.2567
Gm15	50702522	50702832	Gmdrm	hyper	CHG	0.1591
Gm15	50703011	50703128	Gmdrm	hyper	CHG	0.11
Gm15	50703842	50703997	Gmdrm	hyper	CHG	0.195
Gm15	50715999	50716086	Gmdrm	hyper	CHG	0.2812
Gm15	50770284	50770517	Gmdrm	hyper	CHG	0.2224
Gm15	50770629	50771310	Gmdrm	hyper	CHG	0.1763
Gm15	50794176	50794462	Gmdrm	hyper	CHG	0.0428
Gm15	50883385	50883666	Gmdrm	hyper	CHG	0.0278
Gm15	50906378	50906418	Gmdrm	hyper	CHG	0.11
Gm15	50931663	50931929	Gmdrm	hyper	CHG	0.0383
Gm15	51208749	51208932	Gmdrm	hyper	CHG	0.156
Gm15	51251956	51252180	Gmdrm	hyper	CHG	0.0975
Gm15	51258544	51258940	Gmdrm	hyper	CHG	0.733
Gm15	51286272	51286555	Gmdrm	hyper	CHG	0.0886
Gm15	51359438	51359606	Gmdrm	hyper	CHG	0.074
Gm15	51362593	51362845	Gmdrm	hyper	CHG	0.06
Gm15	51461305	51461488	Gmdrm	hyper	CHG	0.0525
Gm15	51465368	51465465	Gmdrm	hyper	CHG	0.102
Gm15	51519148	51520069	Gmdrm	hyper	CHG	0.0234
Gm15	51588220	51588478	Gmdrm	hyper	CHG	0.034
Gm15	51672778	51672919	Gmdrm	hyper	CHG	0.05
Gm15	51708908	51709018	Gmdrm	hyper	CHG	0.3111
Gm15	51970194	51971155	Gmdrm	hyper	CHG	0.0962
Gm15	52031171	52031288	Gmdrm	hyper	CHG	0.038
Gm15	52089889	52090432	Gmdrm	hyper	CHG	0.0905
Gm15	52186790	52187021	Gmdrm	hyper	CHG	0.04
Gm15	52239265	52239347	Gmdrm	hyper	CHG	0.0992
Gm15	52323839	52324038	Gmdrm	hyper	CHG	0.046
Gm15	52453497	52453620	Gmdrm	hyper	CHG	0.1685
Gm15	52670424	52671237	Gmdrm	hyper	CHG	0.2519
Gm15	52892765	52892891	Gmdrm	hyper	CHG	0.055
Gm15	52919226	52919340	Gmdrm	hyper	CHG	0.0417
Gm15	53019672	53019901	Gmdrm	hyper	CHG	0.0287
Gm15	53024310	53024671	Gmdrm	hyper	CHG	0.05
Gm15	53404017	53404125	Gmdrm	hyper	CHG	0.2428
Gm15	53537337	53537412	Gmdrm	hyper	CHG	0.1

Gm15	53622366	53622754	Gmdrm	hyper	CHG	0.1987
Gm15	53694787	53695111	Gmdrm	hyper	CHG	0.5463
Gm16	129007	129222	Gmdrm	hyper	CHG	0.0383
Gm16	212391	213217	Gmdrm	hyper	CHG	0.3217
Gm16	282025	282431	Gmdrm	hyper	CHG	0.17
Gm16	300752	301192	Gmdrm	hyper	CHG	0.0418
Gm16	655758	655981	Gmdrm	hyper	CHG	0.0664
Gm16	774116	774196	Gmdrm	hyper	CHG	0.0757
Gm16	806771	806877	Gmdrm	hyper	CHG	0.0444
Gm16	832525	832665	Gmdrm	hyper	CHG	0.0486
Gm16	917728	917840	Gmdrm	hyper	CHG	0.0567
Gm16	1064991	1065305	Gmdrm	hyper	CHG	0.0313
Gm16	1304430	1304662	Gmdrm	hyper	CHG	0.0729
Gm16	1343895	1344452	Gmdrm	hyper	CHG	0.0345
Gm16	1440908	1441075	Gmdrm	hyper	CHG	0.04
Gm16	1446958	1447170	Gmdrm	hyper	CHG	0.0389
Gm16	1452928	1453129	Gmdrm	hyper	CHG	0.0557
Gm16	1519852	1520016	Gmdrm	hyper	CHG	0.061
Gm16	1723769	1724036	Gmdrm	hyper	CHG	0.0433
Gm16	1818601	1818822	Gmdrm	hyper	CHG	0.0333
Gm16	1833079	1833235	Gmdrm	hyper	CHG	0.048
Gm16	1889214	1889413	Gmdrm	hyper	CHG	0.0537
Gm16	2000962	2001109	Gmdrm	hyper	CHG	0.0945
Gm16	2226462	2226544	Gmdrm	hyper	CHG	0.0717
Gm16	2308930	2309220	Gmdrm	hyper	CHG	0.0443
Gm16	2309363	2309491	Gmdrm	hyper	CHG	0.068
Gm16	2369883	2370298	Gmdrm	hyper	CHG	0.053
Gm16	2539776	2539956	Gmdrm	hyper	CHG	0.025
Gm16	2555578	2555649	Gmdrm	hyper	CHG	0.062
Gm16	2741967	2742132	Gmdrm	hyper	CHG	0.0633
Gm16	2791318	2791459	Gmdrm	hyper	CHG	0.032
Gm16	2818359	2818613	Gmdrm	hyper	CHG	0.0288
Gm16	3005480	3005738	Gmdrm	hyper	CHG	0.065
Gm16	3135272	3135386	Gmdrm	hyper	CHG	0.035
Gm16	3151708	3151939	Gmdrm	hyper	CHG	0.03
Gm16	3161712	3161929	Gmdrm	hyper	CHG	0.0433
Gm16	3232106	3232424	Gmdrm	hyper	CHG	0.0575
Gm16	3298033	3298245	Gmdrm	hyper	CHG	0.0457
Gm16	3311778	3312314	Gmdrm	hyper	CHG	0.0669
Gm16	3374343	3374516	Gmdrm	hyper	CHG	0.044
Gm16	3498191	3498461	Gmdrm	hyper	CHG	0.0816
Gm16	3505076	3505223	Gmdrm	hyper	CHG	0.062
Gm16	3526861	3527183	Gmdrm	hyper	CHG	0.04
Gm16	3637881	3638125	Gmdrm	hyper	CHG	0.04
Gm16	3648788	3648803	Gmdrm	hyper	CHG	0.1083
Gm16	3724446	3724977	Gmdrm	hyper	CHG	0.0281

Gm16	3980718	3980993	Gmdrm	hyper	CHG	0.034
Gm16	4018849	4019004	Gmdrm	hyper	CHG	0.026
Gm16	4063243	4063470	Gmdrm	hyper	CHG	0.069
Gm16	4114935	4115150	Gmdrm	hyper	CHG	0.0457
Gm16	4211425	4211504	Gmdrm	hyper	CHG	0.0337
Gm16	4260816	4260941	Gmdrm	hyper	CHG	0.0467
Gm16	4428186	4428581	Gmdrm	hyper	CHG	0.0357
Gm16	4450363	4450583	Gmdrm	hyper	CHG	0.0433
Gm16	4451764	4451978	Gmdrm	hyper	CHG	0.055
Gm16	4690409	4690479	Gmdrm	hyper	CHG	0.032
Gm16	4875775	4875893	Gmdrm	hyper	CHG	0.0337
Gm16	4905090	4905216	Gmdrm	hyper	CHG	0.05
Gm16	4957968	4958080	Gmdrm	hyper	CHG	0.0857
Gm16	5174346	5174493	Gmdrm	hyper	CHG	0.038
Gm16	5517112	5517310	Gmdrm	hyper	CHG	0.0514
Gm16	5719217	5719332	Gmdrm	hyper	CHG	0.0328
Gm16	5786188	5786493	Gmdrm	hyper	CHG	0.0456
Gm16	6001588	6001889	Gmdrm	hyper	CHG	0.05
Gm16	6049169	6049679	Gmdrm	hyper	CHG	0.24
Gm16	6116951	6117442	Gmdrm	hyper	CHG	0.1093
Gm16	6303111	6303187	Gmdrm	hyper	CHG	0.05
Gm16	6675967	6676501	Gmdrm	hyper	CHG	0.3175
Gm16	7004886	7005232	Gmdrm	hyper	CHG	0.0325
Gm16	7020161	7020289	Gmdrm	hyper	CHG	0.034
Gm16	7183173	7183269	Gmdrm	hyper	CHG	0.1183
Gm16	7196812	7197255	Gmdrm	hyper	CHG	0.0637
Gm16	7206033	7206180	Gmdrm	hyper	CHG	0.054
Gm16	7319185	7319329	Gmdrm	hyper	CHG	0.0533
Gm16	7359548	7359840	Gmdrm	hyper	CHG	0.2161
Gm16	7359949	7360099	Gmdrm	hyper	CHG	0.416
Gm16	7407222	7407397	Gmdrm	hyper	CHG	0.0483
Gm16	7419001	7419207	Gmdrm	hyper	CHG	0.046
Gm16	7569354	7569575	Gmdrm	hyper	CHG	0.07
Gm16	7662157	7662355	Gmdrm	hyper	CHG	0.2969
Gm16	7699121	7699398	Gmdrm	hyper	CHG	0.0467
Gm16	7806477	7806660	Gmdrm	hyper	CHG	0.04
Gm16	7831397	7831528	Gmdrm	hyper	CHG	0.096
Gm16	7843871	7844178	Gmdrm	hyper	CHG	0.057
Gm16	7910077	7910428	Gmdrm	hyper	CHG	0.0473
Gm16	7921112	7921341	Gmdrm	hyper	CHG	0.1385
Gm16	8079345	8079386	Gmdrm	hyper	CHG	0.035
Gm16	8083785	8084007	Gmdrm	hyper	CHG	0.0686
Gm16	8181907	8182387	Gmdrm	hyper	CHG	0.1892
Gm16	8371433	8371553	Gmdrm	hyper	CHG	0.202
Gm16	8394619	8394982	Gmdrm	hyper	CHG	0.1927
Gm16	8757982	8757995	Gmdrm	hyper	CHG	0.396

Gm16	8918246	8918500	Gmdrm	hyper	CHG	0.11
Gm16	8923745	8924059	Gmdrm	hyper	CHG	0.1085
Gm16	9059556	9059655	Gmdrm	hyper	CHG	0.1983
Gm16	9145251	9145434	Gmdrm	hyper	CHG	0.0367
Gm16	9160610	9161292	Gmdrm	hyper	CHG	0.0887
Gm16	9636208	9636327	Gmdrm	hyper	CHG	0.05
Gm16	9651189	9651501	Gmdrm	hyper	CHG	0.0557
Gm16	9945402	9945629	Gmdrm	hyper	CHG	0.08
Gm16	10038516	10038774	Gmdrm	hyper	CHG	0.1617
Gm16	10246239	10246323	Gmdrm	hyper	CHG	0.3767
Gm16	10617980	10618118	Gmdrm	hyper	CHG	0.0512
Gm16	10834040	10834266	Gmdrm	hyper	CHG	0.2457
Gm16	10852302	10852369	Gmdrm	hyper	CHG	0.09
Gm16	11133793	11133902	Gmdrm	hyper	CHG	0.1217
Gm16	11152928	11152994	Gmdrm	hyper	CHG	0.1563
Gm16	11173417	11174076	Gmdrm	hyper	CHG	0.27
Gm16	11282879	11283121	Gmdrm	hyper	CHG	0.1257
Gm16	11283755	11284171	Gmdrm	hyper	CHG	0.2006
Gm16	11284368	11284670	Gmdrm	hyper	CHG	0.2472
Gm16	11286185	11286322	Gmdrm	hyper	CHG	0.44
Gm16	11288356	11289313	Gmdrm	hyper	CHG	0.1439
Gm16	11293313	11293564	Gmdrm	hyper	CHG	0.2614
Gm16	11295048	11295421	Gmdrm	hyper	CHG	0.2413
Gm16	11296033	11296234	Gmdrm	hyper	CHG	0.3328
Gm16	11339746	11339946	Gmdrm	hyper	CHG	0.03
Gm16	12342151	12342190	Gmdrm	hyper	CHG	0.222
Gm16	12529985	12530318	Gmdrm	hyper	CHG	0.061
Gm16	12650541	12650639	Gmdrm	hyper	CHG	0.21
Gm16	12980821	12980923	Gmdrm	hyper	CHG	0.2775
Gm16	13434312	13434396	Gmdrm	hyper	CHG	0.2357
Gm16	13710055	13710856	Gmdrm	hyper	CHG	0.0968
Gm16	13976625	13976836	Gmdrm	hyper	CHG	0.1511
Gm16	14148091	14148753	Gmdrm	hyper	CHG	0.1845
Gm16	14312788	14312934	Gmdrm	hyper	CHG	0.098
Gm16	14320840	14321817	Gmdrm	hyper	CHG	0.1242
Gm16	14329984	14330963	Gmdrm	hyper	CHG	0.2055
Gm16	14577310	14577669	Gmdrm	hyper	CHG	0.044
Gm16	14785538	14785589	Gmdrm	hyper	CHG	0.056
Gm16	14841183	14841772	Gmdrm	hyper	CHG	0.2524
Gm16	15305890	15305950	Gmdrm	hyper	CHG	0.135
Gm16	15627572	15628557	Gmdrm	hyper	CHG	0.0766
Gm16	15698048	15699042	Gmdrm	hyper	CHG	0.12
Gm16	15819296	15819499	Gmdrm	hyper	CHG	0.1476
Gm16	15890807	15891364	Gmdrm	hyper	CHG	0.1381
Gm16	15932405	15932621	Gmdrm	hyper	CHG	0.0437
Gm16	16390966	16391030	Gmdrm	hyper	CHG	0.16

Gm16	17218778	17219773	Gmdrm	hyper	CHG	0.138
Gm16	17227374	17227832	Gmdrm	hyper	CHG	0.2185
Gm16	17229992	17230133	Gmdrm	hyper	CHG	0.1455
Gm16	17251338	17252306	Gmdrm	hyper	CHG	0.1214
Gm16	17253020	17253977	Gmdrm	hyper	CHG	0.1308
Gm16	17254075	17255021	Gmdrm	hyper	CHG	0.14
Gm16	17255135	17255371	Gmdrm	hyper	CHG	0.2391
Gm16	17255475	17255995	Gmdrm	hyper	CHG	0.1807
Gm16	17258021	17258203	Gmdrm	hyper	CHG	0.2816
Gm16	17327242	17327489	Gmdrm	hyper	CHG	0.195
Gm16	17327871	17327968	Gmdrm	hyper	CHG	0.4211
Gm16	17342811	17342909	Gmdrm	hyper	CHG	0.138
Gm16	17343133	17343511	Gmdrm	hyper	CHG	0.2077
Gm16	17344592	17345551	Gmdrm	hyper	CHG	0.1689
Gm16	17406350	17406557	Gmdrm	hyper	CHG	0.0475
Gm16	17448633	17448788	Gmdrm	hyper	CHG	0.2577
Gm16	17522101	17522191	Gmdrm	hyper	CHG	0.3783
Gm16	17528410	17529151	Gmdrm	hyper	CHG	0.2078
Gm16	17529255	17529535	Gmdrm	hyper	CHG	0.2495
Gm16	17555126	17555489	Gmdrm	hyper	CHG	0.1094
Gm16	17558027	17558086	Gmdrm	hyper	CHG	0.11
Gm16	17561473	17562470	Gmdrm	hyper	CHG	0.1033
Gm16	17566355	17567308	Gmdrm	hyper	CHG	0.3076
Gm16	17820015	17820382	Gmdrm	hyper	CHG	0.1959
Gm16	17868632	17869389	Gmdrm	hyper	CHG	0.0838
Gm16	17877525	17878458	Gmdrm	hyper	CHG	0.1635
Gm16	17879486	17880321	Gmdrm	hyper	CHG	0.2023
Gm16	17896442	17896745	Gmdrm	hyper	CHG	0.2994
Gm16	17896884	17897180	Gmdrm	hyper	CHG	0.3092
Gm16	17898810	17899512	Gmdrm	hyper	CHG	0.2509
Gm16	17910395	17910554	Gmdrm	hyper	CHG	0.1234
Gm16	18004671	18004907	Gmdrm	hyper	CHG	0.28
Gm16	18451850	18451870	Gmdrm	hyper	CHG	0.43
Gm16	18527559	18528031	Gmdrm	hyper	CHG	0.1297
Gm16	18617870	18617990	Gmdrm	hyper	CHG	0.256
Gm16	18833907	18834256	Gmdrm	hyper	CHG	0.0856
Gm16	18840935	18841115	Gmdrm	hyper	CHG	0.0714
Gm16	18841759	18841878	Gmdrm	hyper	CHG	0.0363
Gm16	18843140	18843245	Gmdrm	hyper	CHG	0.056
Gm16	18884866	18885175	Gmdrm	hyper	CHG	0.0325
Gm16	19016368	19016542	Gmdrm	hyper	CHG	0.0467
Gm16	19132040	19132145	Gmdrm	hyper	CHG	0.0733
Gm16	19158844	19159094	Gmdrm	hyper	CHG	0.0587
Gm16	19170875	19170891	Gmdrm	hyper	CHG	0.038
Gm16	19180231	19180374	Gmdrm	hyper	CHG	0.032
Gm16	19184942	19185559	Gmdrm	hyper	CHG	0.2255

Gm16	19204069	19205029	Gmdrm	hyper	CHG	0.0773
Gm16	19304245	19304336	Gmdrm	hyper	CHG	0.39
Gm16	20087776	20087904	Gmdrm	hyper	CHG	0.292
Gm16	20129040	20129158	Gmdrm	hyper	CHG	0.046
Gm16	20609961	20610745	Gmdrm	hyper	CHG	0.0453
Gm16	21134978	21135235	Gmdrm	hyper	CHG	0.3187
Gm16	21135336	21135818	Gmdrm	hyper	CHG	0.3725
Gm16	21145994	21146107	Gmdrm	hyper	CHG	0.0984
Gm16	21256480	21256718	Gmdrm	hyper	CHG	0.068
Gm16	21288709	21288814	Gmdrm	hyper	CHG	0.05
Gm16	21556941	21557092	Gmdrm	hyper	CHG	0.135
Gm16	21569912	21570135	Gmdrm	hyper	CHG	0.1043
Gm16	21573364	21573531	Gmdrm	hyper	CHG	0.3313
Gm16	21608117	21609049	Gmdrm	hyper	CHG	0.1914
Gm16	21702602	21702654	Gmdrm	hyper	CHG	0.1954
Gm16	21779780	21780444	Gmdrm	hyper	CHG	0.0627
Gm16	21896723	21896823	Gmdrm	hyper	CHG	0.062
Gm16	22149341	22150011	Gmdrm	hyper	CHG	0.198
Gm16	22158410	22158613	Gmdrm	hyper	CHG	0.066
Gm16	22435846	22435954	Gmdrm	hyper	CHG	0.1464
Gm16	22763048	22763164	Gmdrm	hyper	CHG	0.0786
Gm16	22816103	22816253	Gmdrm	hyper	CHG	0.058
Gm16	23456278	23456875	Gmdrm	hyper	CHG	0.2026
Gm16	23827374	23828342	Gmdrm	hyper	CHG	0.07
Gm16	23864062	23864637	Gmdrm	hyper	CHG	0.0218
Gm16	23902103	23902898	Gmdrm	hyper	CHG	0.3292
Gm16	24040184	24040375	Gmdrm	hyper	CHG	0.1017
Gm16	24186627	24186892	Gmdrm	hyper	CHG	0.1663
Gm16	24299818	24300568	Gmdrm	hyper	CHG	0.1019
Gm16	24607181	24607302	Gmdrm	hyper	CHG	0.25
Gm16	24618528	24618757	Gmdrm	hyper	CHG	0.04
Gm16	24730343	24730441	Gmdrm	hyper	CHG	0.12
Gm16	24965274	24965609	Gmdrm	hyper	CHG	0.0422
Gm16	25240104	25240221	Gmdrm	hyper	CHG	0.0343
Gm16	25338883	25339099	Gmdrm	hyper	CHG	0.2627
Gm16	25638487	25638583	Gmdrm	hyper	CHG	0.0272
Gm16	25780645	25780945	Gmdrm	hyper	CHG	0.2338
Gm16	25862473	25862748	Gmdrm	hyper	CHG	0.0586
Gm16	26277509	26277653	Gmdrm	hyper	CHG	0.1551
Gm16	26334120	26334488	Gmdrm	hyper	CHG	0.0967
Gm16	26334594	26334777	Gmdrm	hyper	CHG	0.0829
Gm16	26437284	26437472	Gmdrm	hyper	CHG	0.1114
Gm16	26524309	26525209	Gmdrm	hyper	CHG	0.3296
Gm16	26525319	26525421	Gmdrm	hyper	CHG	0.755
Gm16	26525527	26525756	Gmdrm	hyper	CHG	0.7081
Gm16	26566072	26567009	Gmdrm	hyper	CHG	0.2832

Gm16	26740117	26740336	Gmdrm	hyper	CHG	0.2499
Gm16	26781533	26781736	Gmdrm	hyper	CHG	0.0322
Gm16	26784728	26784995	Gmdrm	hyper	CHG	0.0941
Gm16	26950697	26950880	Gmdrm	hyper	CHG	0.0243
Gm16	26973448	26973683	Gmdrm	hyper	CHG	0.5768
Gm16	26977511	26977690	Gmdrm	hyper	CHG	0.086
Gm16	27036432	27036777	Gmdrm	hyper	CHG	0.0511
Gm16	27127333	27127468	Gmdrm	hyper	CHG	0.35
Gm16	27415493	27415629	Gmdrm	hyper	CHG	0.225
Gm16	27485661	27485785	Gmdrm	hyper	CHG	0.056
Gm16	27534363	27534566	Gmdrm	hyper	CHG	0.0287
Gm16	27689326	27689526	Gmdrm	hyper	CHG	0.3309
Gm16	27689982	27690173	Gmdrm	hyper	CHG	0.2694
Gm16	27691377	27691878	Gmdrm	hyper	CHG	0.2071
Gm16	27716382	27716841	Gmdrm	hyper	CHG	0.0434
Gm16	27766154	27766261	Gmdrm	hyper	CHG	0.0575
Gm16	27771273	27772102	Gmdrm	hyper	CHG	0.1935
Gm16	27787028	27787121	Gmdrm	hyper	CHG	0.652
Gm16	27996781	27997280	Gmdrm	hyper	CHG	0.0262
Gm16	28145829	28146047	Gmdrm	hyper	CHG	0.0372
Gm16	28234659	28235172	Gmdrm	hyper	CHG	0.0321
Gm16	28238360	28238649	Gmdrm	hyper	CHG	0.0728
Gm16	28246722	28246815	Gmdrm	hyper	CHG	0.1242
Gm16	28346102	28346204	Gmdrm	hyper	CHG	0.0644
Gm16	28347836	28348060	Gmdrm	hyper	CHG	0.0449
Gm16	28381340	28381382	Gmdrm	hyper	CHG	0.4386
Gm16	28512149	28512658	Gmdrm	hyper	CHG	0.0352
Gm16	28727746	28728077	Gmdrm	hyper	CHG	0.3612
Gm16	28866516	28866573	Gmdrm	hyper	CHG	0.3225
Gm16	28955592	28955739	Gmdrm	hyper	CHG	0.052
Gm16	29413065	29413180	Gmdrm	hyper	CHG	0.05
Gm16	29438215	29439080	Gmdrm	hyper	CHG	0.1968
Gm16	29462218	29462373	Gmdrm	hyper	CHG	0.0484
Gm16	29464961	29465021	Gmdrm	hyper	CHG	0.1167
Gm16	29719308	29719559	Gmdrm	hyper	CHG	0.0605
Gm16	29803001	29803206	Gmdrm	hyper	CHG	0.0725
Gm16	29905579	29905785	Gmdrm	hyper	CHG	0.052
Gm16	30023450	30023669	Gmdrm	hyper	CHG	0.2281
Gm16	30358051	30358274	Gmdrm	hyper	CHG	0.024
Gm16	30393014	30393049	Gmdrm	hyper	CHG	0.1467
Gm16	30595205	30595540	Gmdrm	hyper	CHG	0.0695
Gm16	30907379	30907552	Gmdrm	hyper	CHG	0.0529
Gm16	30955885	30956141	Gmdrm	hyper	CHG	0.066
Gm16	30965003	30965265	Gmdrm	hyper	CHG	0.0329
Gm16	31015951	31016265	Gmdrm	hyper	CHG	0.0531
Gm16	31052745	31053276	Gmdrm	hyper	CHG	0.0273

Gm16	31115258	31115422	Gmdrm	hyper	CHG	0.3993
Gm16	31485448	31485720	Gmdrm	hyper	CHG	0.0516
Gm16	31665357	31665482	Gmdrm	hyper	CHG	0.0686
Gm16	31675432	31675556	Gmdrm	hyper	CHG	0.0357
Gm16	31719080	31719337	Gmdrm	hyper	CHG	0.042
Gm16	31786313	31786507	Gmdrm	hyper	CHG	0.036
Gm16	31982520	31982975	Gmdrm	hyper	CHG	0.023
Gm16	32167620	32167825	Gmdrm	hyper	CHG	0.0329
Gm16	32355907	32356032	Gmdrm	hyper	CHG	0.0466
Gm16	32395952	32396241	Gmdrm	hyper	CHG	0.033
Gm16	32472768	32473021	Gmdrm	hyper	CHG	0.0346
Gm16	32539308	32539474	Gmdrm	hyper	CHG	0.066
Gm16	32760521	32760669	Gmdrm	hyper	CHG	0.0414
Gm16	32936026	32936410	Gmdrm	hyper	CHG	0.135
Gm16	32951709	32951978	Gmdrm	hyper	CHG	0.0367
Gm16	32970977	32971140	Gmdrm	hyper	CHG	0.0471
Gm16	33061774	33061795	Gmdrm	hyper	CHG	0.18
Gm16	33287291	33287422	Gmdrm	hyper	CHG	0.064
Gm16	33781370	33781465	Gmdrm	hyper	CHG	0.015
Gm16	33993924	33994087	Gmdrm	hyper	CHG	0.072
Gm16	34165274	34165534	Gmdrm	hyper	CHG	0.0572
Gm16	34193890	34194099	Gmdrm	hyper	CHG	0.0263
Gm16	34294438	34294605	Gmdrm	hyper	CHG	0.024
Gm16	34475110	34475265	Gmdrm	hyper	CHG	0.048
Gm16	34494827	34494975	Gmdrm	hyper	CHG	0.0284
Gm16	34516748	34517030	Gmdrm	hyper	CHG	0.06
Gm16	34549461	34549853	Gmdrm	hyper	CHG	0.0337
Gm16	34562413	34562711	Gmdrm	hyper	CHG	0.0947
Gm16	34571004	34571074	Gmdrm	hyper	CHG	0.042
Gm16	34895398	34895700	Gmdrm	hyper	CHG	0.075
Gm16	35239647	35240293	Gmdrm	hyper	CHG	0.1422
Gm16	35909328	35909551	Gmdrm	hyper	CHG	0.0733
Gm16	36038046	36038196	Gmdrm	hyper	CHG	0.026
Gm16	36115721	36115925	Gmdrm	hyper	CHG	0.038
Gm16	36130064	36130150	Gmdrm	hyper	CHG	0.0417
Gm16	36203716	36204190	Gmdrm	hyper	CHG	0.035
Gm16	36274172	36274334	Gmdrm	hyper	CHG	0.0317
Gm16	36280620	36281234	Gmdrm	hyper	CHG	0.023
Gm16	36520974	36521157	Gmdrm	hyper	CHG	0.0314
Gm16	36625554	36625605	Gmdrm	hyper	CHG	0.048
Gm16	36632760	36633035	Gmdrm	hyper	CHG	0.0337
Gm16	36651296	36651434	Gmdrm	hyper	CHG	0.05
Gm16	36712206	36712356	Gmdrm	hyper	CHG	0.0329
Gm16	36779814	36780024	Gmdrm	hyper	CHG	0.1067
Gm16	36858054	36858428	Gmdrm	hyper	CHG	0.0289
Gm16	36912097	36912353	Gmdrm	hyper	CHG	0.0411

Gm16	37114370	37114503	Gmdrm	hyper	CHG	0.0322
Gm16	37148432	37148524	Gmdrm	hyper	CHG	0.036
Gm16	37237851	37238077	Gmdrm	hyper	CHG	0.054
Gm16	37345184	37345496	Gmdrm	hyper	CHG	0.0533
Gm16	37464567	37464650	Gmdrm	hyper	CHG	0.03
Gm16	37886866	37887016	Gmdrm	hyper	CHG	0.0436
Gm16	37898946	37899079	Gmdrm	hyper	CHG	0.0416
Gm16	37941378	37941564	Gmdrm	hyper	CHG	0.0557
Gm16	38091459	38091834	Gmdrm	hyper	CHG	0.2214
Gm16_scaffol	10761	11172	Gmdrm	hyper	CHG	0.0223
Gm17	49994	50791	Gmdrm	hyper	CHG	0.2621
Gm17	71018	71409	Gmdrm	hyper	CHG	0.1158
Gm17	71514	71676	Gmdrm	hyper	CHG	0.3356
Gm17	71801	71965	Gmdrm	hyper	CHG	0.455
Gm17	142181	142295	Gmdrm	hyper	CHG	0.04
Gm17	175688	176505	Gmdrm	hyper	CHG	0.0641
Gm17	180694	180887	Gmdrm	hyper	CHG	0.0433
Gm17	227052	227361	Gmdrm	hyper	CHG	0.0363
Gm17	232037	232148	Gmdrm	hyper	CHG	0.05
Gm17	237953	238176	Gmdrm	hyper	CHG	0.0533
Gm17	460457	460671	Gmdrm	hyper	CHG	0.038
Gm17	558191	558467	Gmdrm	hyper	CHG	0.0477
Gm17	582951	583216	Gmdrm	hyper	CHG	0.1857
Gm17	611243	611354	Gmdrm	hyper	CHG	0.044
Gm17	783505	783780	Gmdrm	hyper	CHG	0.0524
Gm17	785138	785313	Gmdrm	hyper	CHG	0.058
Gm17	881077	881253	Gmdrm	hyper	CHG	0.0467
Gm17	1030021	1030223	Gmdrm	hyper	CHG	0.0417
Gm17	1115603	1115767	Gmdrm	hyper	CHG	0.0889
Gm17	1173006	1173192	Gmdrm	hyper	CHG	0.0663
Gm17	1357351	1357466	Gmdrm	hyper	CHG	0.04
Gm17	1368193	1368536	Gmdrm	hyper	CHG	0.0766
Gm17	1448927	1449104	Gmdrm	hyper	CHG	0.058
Gm17	1518188	1518780	Gmdrm	hyper	CHG	0.1071
Gm17	1562460	1562796	Gmdrm	hyper	CHG	0.054
Gm17	1681330	1681443	Gmdrm	hyper	CHG	0.082
Gm17	1703424	1703665	Gmdrm	hyper	CHG	0.0338
Gm17	1893121	1893314	Gmdrm	hyper	CHG	0.07
Gm17	1965710	1965788	Gmdrm	hyper	CHG	0.0633
Gm17	2024919	2025115	Gmdrm	hyper	CHG	0.0387
Gm17	2115912	2116074	Gmdrm	hyper	CHG	0.0729
Gm17	2263036	2263163	Gmdrm	hyper	CHG	0.036
Gm17	2290787	2290994	Gmdrm	hyper	CHG	0.0417
Gm17	2308833	2309197	Gmdrm	hyper	CHG	0.04
Gm17	2348375	2348554	Gmdrm	hyper	CHG	0.066
Gm17	2356707	2357183	Gmdrm	hyper	CHG	0.0374

Gm17	2413780	2413969	Gmdrm	hyper	CHG	0.036
Gm17	2473017	2473223	Gmdrm	hyper	CHG	0.0714
Gm17	2725642	2725818	Gmdrm	hyper	CHG	0.0357
Gm17	2810642	2810856	Gmdrm	hyper	CHG	0.029
Gm17	2827958	2828180	Gmdrm	hyper	CHG	0.2028
Gm17	2868273	2868567	Gmdrm	hyper	CHG	0.0317
Gm17	2898062	2898388	Gmdrm	hyper	CHG	0.0338
Gm17	2957199	2957462	Gmdrm	hyper	CHG	0.0255
Gm17	3026615	3026849	Gmdrm	hyper	CHG	0.05
Gm17	3472628	3472719	Gmdrm	hyper	CHG	0.05
Gm17	3476798	3476976	Gmdrm	hyper	CHG	0.056
Gm17	3568375	3568750	Gmdrm	hyper	CHG	0.0626
Gm17	3572465	3572639	Gmdrm	hyper	CHG	0.045
Gm17	3619928	3620130	Gmdrm	hyper	CHG	0.0583
Gm17	3758947	3759136	Gmdrm	hyper	CHG	0.03
Gm17	3759247	3759437	Gmdrm	hyper	CHG	0.042
Gm17	3809935	3810082	Gmdrm	hyper	CHG	0.0872
Gm17	3824989	3825101	Gmdrm	hyper	CHG	0.038
Gm17	3887907	3887988	Gmdrm	hyper	CHG	0.092
Gm17	3944612	3944829	Gmdrm	hyper	CHG	0.04
Gm17	3972710	3973054	Gmdrm	hyper	CHG	0.0413
Gm17	4173527	4173707	Gmdrm	hyper	CHG	0.0324
Gm17	4220920	4221046	Gmdrm	hyper	CHG	0.064
Gm17	4233312	4233462	Gmdrm	hyper	CHG	0.072
Gm17	4286839	4287135	Gmdrm	hyper	CHG	0.04
Gm17	4288729	4288825	Gmdrm	hyper	CHG	0.052
Gm17	4407167	4407241	Gmdrm	hyper	CHG	0.036
Gm17	4457433	4457576	Gmdrm	hyper	CHG	0.036
Gm17	4473938	4474061	Gmdrm	hyper	CHG	0.029
Gm17	4596654	4596816	Gmdrm	hyper	CHG	0.0387
Gm17	4624491	4624571	Gmdrm	hyper	CHG	0.0686
Gm17	4827464	4827943	Gmdrm	hyper	CHG	0.0282
Gm17	4964186	4964381	Gmdrm	hyper	CHG	0.0308
Gm17	5070595	5071011	Gmdrm	hyper	CHG	0.044
Gm17	5073498	5073755	Gmdrm	hyper	CHG	0.095
Gm17	5108377	5108638	Gmdrm	hyper	CHG	0.0314
Gm17	5149818	5150010	Gmdrm	hyper	CHG	0.074
Gm17	5159854	5160069	Gmdrm	hyper	CHG	0.0273
Gm17	5166128	5166411	Gmdrm	hyper	CHG	0.0917
Gm17	5231149	5231403	Gmdrm	hyper	CHG	0.0483
Gm17	5269230	5269255	Gmdrm	hyper	CHG	0.0514
Gm17	5344410	5344494	Gmdrm	hyper	CHG	0.042
Gm17	5447774	5447817	Gmdrm	hyper	CHG	0.048
Gm17	5507377	5507428	Gmdrm	hyper	CHG	0.072
Gm17	5542896	5543009	Gmdrm	hyper	CHG	0.048
Gm17	5602254	5602463	Gmdrm	hyper	CHG	0.045

Gm17	5643705	5644163	Gmdrm	hyper	CHG	0.0428
Gm17	5674064	5674643	Gmdrm	hyper	CHG	0.0212
Gm17	5752996	5753162	Gmdrm	hyper	CHG	0.046
Gm17	5785161	5785256	Gmdrm	hyper	CHG	0.048
Gm17	5846341	5846550	Gmdrm	hyper	CHG	0.0789
Gm17	5971454	5971808	Gmdrm	hyper	CHG	0.0394
Gm17	5987762	5987983	Gmdrm	hyper	CHG	0.03
Gm17	6121605	6121677	Gmdrm	hyper	CHG	0.042
Gm17	6122404	6122609	Gmdrm	hyper	CHG	0.088
Gm17	6205397	6205567	Gmdrm	hyper	CHG	0.064
Gm17	6430899	6431004	Gmdrm	hyper	CHG	0.5925
Gm17	6452757	6453050	Gmdrm	hyper	CHG	0.044
Gm17	6458424	6458596	Gmdrm	hyper	CHG	0.03
Gm17	6495775	6495981	Gmdrm	hyper	CHG	0.03
Gm17	6856716	6856827	Gmdrm	hyper	CHG	0.054
Gm17	6858027	6858168	Gmdrm	hyper	CHG	0.048
Gm17	6940167	6940510	Gmdrm	hyper	CHG	0.0825
Gm17	7116229	7116276	Gmdrm	hyper	CHG	0.074
Gm17	7149070	7149307	Gmdrm	hyper	CHG	0.0545
Gm17	7201518	7201635	Gmdrm	hyper	CHG	0.034
Gm17	7223177	7223481	Gmdrm	hyper	CHG	0.0411
Gm17	7335745	7335873	Gmdrm	hyper	CHG	0.0411
Gm17	7338392	7338671	Gmdrm	hyper	CHG	0.0433
Gm17	7423063	7423378	Gmdrm	hyper	CHG	0.033
Gm17	7814803	7814856	Gmdrm	hyper	CHG	0.024
Gm17	7849560	7849792	Gmdrm	hyper	CHG	0.0317
Gm17	7969011	7969356	Gmdrm	hyper	CHG	0.039
Gm17	7987260	7987573	Gmdrm	hyper	CHG	0.0465
Gm17	7996221	7996349	Gmdrm	hyper	CHG	0.09
Gm17	8025084	8025300	Gmdrm	hyper	CHG	0.05
Gm17	8028686	8028916	Gmdrm	hyper	CHG	0.039
Gm17	8065258	8065390	Gmdrm	hyper	CHG	0.0443
Gm17	8129003	8129192	Gmdrm	hyper	CHG	0.0372
Gm17	8183453	8183685	Gmdrm	hyper	CHG	0.0437
Gm17	8191928	8192109	Gmdrm	hyper	CHG	0.0466
Gm17	8223751	8223963	Gmdrm	hyper	CHG	0.042
Gm17	8481584	8481785	Gmdrm	hyper	CHG	0.044
Gm17	8579329	8579570	Gmdrm	hyper	CHG	0.06
Gm17	8659645	8659834	Gmdrm	hyper	CHG	0.066
Gm17	8719987	8720340	Gmdrm	hyper	CHG	0.0277
Gm17	8750313	8750428	Gmdrm	hyper	CHG	0.04
Gm17	8842273	8842560	Gmdrm	hyper	CHG	0.0393
Gm17	8878117	8878190	Gmdrm	hyper	CHG	0.058
Gm17	9148848	9149135	Gmdrm	hyper	CHG	0.0345
Gm17	9192807	9192888	Gmdrm	hyper	CHG	0.032
Gm17	9199209	9199428	Gmdrm	hyper	CHG	0.0733

Gm17	9320970	9321102	Gmdrm	hyper	CHG	0.046
Gm17	9334636	9334793	Gmdrm	hyper	CHG	0.05
Gm17	9448675	9448984	Gmdrm	hyper	CHG	0.0333
Gm17	9458559	9458671	Gmdrm	hyper	CHG	0.0957
Gm17	9565656	9565967	Gmdrm	hyper	CHG	0.075
Gm17	9971020	9971185	Gmdrm	hyper	CHG	0.042
Gm17	10044864	10045016	Gmdrm	hyper	CHG	0.062
Gm17	10192186	10192403	Gmdrm	hyper	CHG	0.025
Gm17	10205374	10205419	Gmdrm	hyper	CHG	0.05
Gm17	10240998	10241073	Gmdrm	hyper	CHG	0.094
Gm17	10364791	10364965	Gmdrm	hyper	CHG	0.038
Gm17	10464623	10464814	Gmdrm	hyper	CHG	0.05
Gm17	10550683	10550998	Gmdrm	hyper	CHG	0.04
Gm17	10670107	10670240	Gmdrm	hyper	CHG	0.052
Gm17	10818226	10818578	Gmdrm	hyper	CHG	0.07
Gm17	11506593	11506788	Gmdrm	hyper	CHG	0.071
Gm17	11713676	11713936	Gmdrm	hyper	CHG	0.032
Gm17	11919454	11919603	Gmdrm	hyper	CHG	0.036
Gm17	12042719	12043065	Gmdrm	hyper	CHG	0.1756
Gm17	12127320	12127535	Gmdrm	hyper	CHG	0.0825
Gm17	12138465	12138537	Gmdrm	hyper	CHG	0.038
Gm17	12177713	12177828	Gmdrm	hyper	CHG	0.05
Gm17	12354275	12354488	Gmdrm	hyper	CHG	0.0757
Gm17	12410175	12410316	Gmdrm	hyper	CHG	0.0708
Gm17	12858652	12858914	Gmdrm	hyper	CHG	0.0245
Gm17	12942984	12943227	Gmdrm	hyper	CHG	0.0434
Gm17	13077632	13077746	Gmdrm	hyper	CHG	0.052
Gm17	13200692	13200734	Gmdrm	hyper	CHG	0.0317
Gm17	13236800	13236869	Gmdrm	hyper	CHG	0.0443
Gm17	13276661	13276771	Gmdrm	hyper	CHG	0.06
Gm17	13404444	13404583	Gmdrm	hyper	CHG	0.1545
Gm17	13406703	13406772	Gmdrm	hyper	CHG	0.2037
Gm17	13558841	13559085	Gmdrm	hyper	CHG	0.2301
Gm17	13559679	13559742	Gmdrm	hyper	CHG	0.216
Gm17	13574091	13574260	Gmdrm	hyper	CHG	0.07
Gm17	13657805	13657888	Gmdrm	hyper	CHG	0.4983
Gm17	13694261	13694702	Gmdrm	hyper	CHG	0.3732
Gm17	13733538	13733915	Gmdrm	hyper	CHG	0.0567
Gm17	13914246	13914361	Gmdrm	hyper	CHG	0.2333
Gm17	14047229	14047399	Gmdrm	hyper	CHG	0.046
Gm17	14195893	14196455	Gmdrm	hyper	CHG	0.3993
Gm17	14209711	14209953	Gmdrm	hyper	CHG	0.2713
Gm17	14685829	14685998	Gmdrm	hyper	CHG	0.0865
Gm17	15088618	15088770	Gmdrm	hyper	CHG	0.0467
Gm17	15090081	15090200	Gmdrm	hyper	CHG	0.055
Gm17	15107668	15107838	Gmdrm	hyper	CHG	0.035

Gm17	15113573	15113900	Gmdrm	hyper	CHG	0.0353
Gm17	15209596	15209714	Gmdrm	hyper	CHG	0.046
Gm17	15325533	15325696	Gmdrm	hyper	CHG	0.16
Gm17	15336385	15336629	Gmdrm	hyper	CHG	0.0311
Gm17	15397321	15397650	Gmdrm	hyper	CHG	0.1308
Gm17	15427091	15427379	Gmdrm	hyper	CHG	0.042
Gm17	15841482	15841781	Gmdrm	hyper	CHG	0.2808
Gm17	15843475	15843621	Gmdrm	hyper	CHG	0.33
Gm17	15850201	15850220	Gmdrm	hyper	CHG	0.1734
Gm17	16010432	16010534	Gmdrm	hyper	CHG	0.5284
Gm17	16081345	16081686	Gmdrm	hyper	CHG	0.45
Gm17	16128397	16128479	Gmdrm	hyper	CHG	0.8488
Gm17	16531676	16531818	Gmdrm	hyper	CHG	0.1616
Gm17	16600921	16601201	Gmdrm	hyper	CHG	0.1591
Gm17	16869579	16869912	Gmdrm	hyper	CHG	0.0328
Gm17	17309085	17309293	Gmdrm	hyper	CHG	0.196
Gm17	17636551	17636902	Gmdrm	hyper	CHG	0.23
Gm17	17980799	17980891	Gmdrm	hyper	CHG	0.034
Gm17	18183720	18183854	Gmdrm	hyper	CHG	0.1334
Gm17	18277087	18277189	Gmdrm	hyper	CHG	0.058
Gm17	18305258	18305400	Gmdrm	hyper	CHG	0.692
Gm17	18305511	18305613	Gmdrm	hyper	CHG	0.82
Gm17	18615191	18615480	Gmdrm	hyper	CHG	0.302
Gm17	18676788	18677005	Gmdrm	hyper	CHG	0.046
Gm17	19019823	19020040	Gmdrm	hyper	CHG	0.0836
Gm17	19193048	19193670	Gmdrm	hyper	CHG	0.0365
Gm17	19204581	19204781	Gmdrm	hyper	CHG	0.2289
Gm17	19228493	19228521	Gmdrm	hyper	CHG	0.1833
Gm17	19690965	19691058	Gmdrm	hyper	CHG	0.3812
Gm17	20140102	20140139	Gmdrm	hyper	CHG	0.3
Gm17	20604012	20604362	Gmdrm	hyper	CHG	0.1603
Gm17	20673350	20673587	Gmdrm	hyper	CHG	0.0524
Gm17	21081603	21081896	Gmdrm	hyper	CHG	0.2908
Gm17	21082073	21082291	Gmdrm	hyper	CHG	0.398
Gm17	22293256	22293571	Gmdrm	hyper	CHG	0.3252
Gm17	22356058	22356223	Gmdrm	hyper	CHG	0.2837
Gm17	22525272	22525392	Gmdrm	hyper	CHG	0.309
Gm17	22662576	22663325	Gmdrm	hyper	CHG	0.3693
Gm17	23138881	23139138	Gmdrm	hyper	CHG	0.3615
Gm17	23502033	23502242	Gmdrm	hyper	CHG	0.514
Gm17	23563468	23563587	Gmdrm	hyper	CHG	0.4667
Gm17	23571635	23572027	Gmdrm	hyper	CHG	0.294
Gm17	23572690	23572847	Gmdrm	hyper	CHG	0.1
Gm17	23645511	23645540	Gmdrm	hyper	CHG	0.152
Gm17	23717209	23717337	Gmdrm	hyper	CHG	0.1611
Gm17	23812496	23812870	Gmdrm	hyper	CHG	0.052

Gm17	23898114	23898991	Gmdrm	hyper	CHG	0.1982
Gm17	23913225	23913586	Gmdrm	hyper	CHG	0.3274
Gm17	23914266	23914455	Gmdrm	hyper	CHG	0.0425
Gm17	23955299	23956271	Gmdrm	hyper	CHG	0.2287
Gm17	23956303	23956423	Gmdrm	hyper	CHG	0.188
Gm17	24156873	24157361	Gmdrm	hyper	CHG	0.0916
Gm17	24454756	24455460	Gmdrm	hyper	CHG	0.3338
Gm17	24551744	24551914	Gmdrm	hyper	CHG	0.2277
Gm17	24562717	24562893	Gmdrm	hyper	CHG	0.0771
Gm17	24996535	24996822	Gmdrm	hyper	CHG	0.1827
Gm17	25758790	25759209	Gmdrm	hyper	CHG	0.1711
Gm17	25844407	25844698	Gmdrm	hyper	CHG	0.2439
Gm17	25960895	25961893	Gmdrm	hyper	CHG	0.2555
Gm17	25962336	25963144	Gmdrm	hyper	CHG	0.2357
Gm17	25965585	25966425	Gmdrm	hyper	CHG	0.212
Gm17	25966528	25967463	Gmdrm	hyper	CHG	0.2034
Gm17	25969565	25970282	Gmdrm	hyper	CHG	0.1969
Gm17	25973131	25973403	Gmdrm	hyper	CHG	0.3272
Gm17	25994543	25994951	Gmdrm	hyper	CHG	0.3514
Gm17	26012000	26012486	Gmdrm	hyper	CHG	0.1718
Gm17	26014979	26015293	Gmdrm	hyper	CHG	0.2184
Gm17	26016088	26016284	Gmdrm	hyper	CHG	0.2272
Gm17	26022445	26022821	Gmdrm	hyper	CHG	0.2259
Gm17	26023853	26024163	Gmdrm	hyper	CHG	0.2042
Gm17	26024713	26025674	Gmdrm	hyper	CHG	0.2138
Gm17	26025891	26026594	Gmdrm	hyper	CHG	0.3657
Gm17	26026700	26027048	Gmdrm	hyper	CHG	0.2954
Gm17	26028811	26029811	Gmdrm	hyper	CHG	0.187
Gm17	26029829	26030824	Gmdrm	hyper	CHG	0.361
Gm17	26030877	26031091	Gmdrm	hyper	CHG	0.3246
Gm17	26031261	26031443	Gmdrm	hyper	CHG	0.1724
Gm17	26031602	26032025	Gmdrm	hyper	CHG	0.316
Gm17	26032206	26032856	Gmdrm	hyper	CHG	0.2507
Gm17	26033387	26033695	Gmdrm	hyper	CHG	0.22
Gm17	26033956	26034921	Gmdrm	hyper	CHG	0.2364
Gm17	26034958	26035945	Gmdrm	hyper	CHG	0.321
Gm17	26035987	26036752	Gmdrm	hyper	CHG	0.371
Gm17	26036855	26037790	Gmdrm	hyper	CHG	0.5966
Gm17	26037895	26038092	Gmdrm	hyper	CHG	0.484
Gm17	26038345	26039018	Gmdrm	hyper	CHG	0.4285
Gm17	26039136	26039455	Gmdrm	hyper	CHG	0.2938
Gm17	26040445	26041123	Gmdrm	hyper	CHG	0.2252
Gm17	26041261	26041791	Gmdrm	hyper	CHG	0.1561
Gm17	26043067	26043103	Gmdrm	hyper	CHG	0.2488
Gm17	26044384	26044708	Gmdrm	hyper	CHG	0.1988
Gm17	26045730	26046680	Gmdrm	hyper	CHG	0.1281

Gm17	26051547	26051657	Gmdrm	hyper	CHG	0.1709
Gm17	26053197	26053697	Gmdrm	hyper	CHG	0.2042
Gm17	26085520	26085769	Gmdrm	hyper	CHG	0.04
Gm17	26169289	26169543	Gmdrm	hyper	CHG	0.1231
Gm17	26493873	26494165	Gmdrm	hyper	CHG	0.1462
Gm17	26586234	26586684	Gmdrm	hyper	CHG	0.1468
Gm17	26587978	26588268	Gmdrm	hyper	CHG	0.251
Gm17	27042132	27042377	Gmdrm	hyper	CHG	0.1
Gm17	27101993	27102024	Gmdrm	hyper	CHG	0.1683
Gm17	27173839	27173860	Gmdrm	hyper	CHG	0.08
Gm17	27174268	27174509	Gmdrm	hyper	CHG	0.36
Gm17	27367082	27367147	Gmdrm	hyper	CHG	0.115
Gm17	27583122	27583154	Gmdrm	hyper	CHG	0.132
Gm17	28113902	28113950	Gmdrm	hyper	CHG	0.1872
Gm17	28136575	28136842	Gmdrm	hyper	CHG	0.2053
Gm17	28139546	28140527	Gmdrm	hyper	CHG	0.2539
Gm17	28354134	28354156	Gmdrm	hyper	CHG	0.1683
Gm17	29007790	29008123	Gmdrm	hyper	CHG	0.1106
Gm17	29083240	29083415	Gmdrm	hyper	CHG	0.0825
Gm17	29166184	29166354	Gmdrm	hyper	CHG	0.132
Gm17	29533065	29533105	Gmdrm	hyper	CHG	0.2116
Gm17	30574248	30574653	Gmdrm	hyper	CHG	0.0511
Gm17	30608796	30609774	Gmdrm	hyper	CHG	0.165
Gm17	30733245	30733281	Gmdrm	hyper	CHG	0.0967
Gm17	30823396	30823453	Gmdrm	hyper	CHG	0.5934
Gm17	30977144	30977340	Gmdrm	hyper	CHG	0.3929
Gm17	31139310	31139573	Gmdrm	hyper	CHG	0.052
Gm17	31262496	31263492	Gmdrm	hyper	CHG	0.0987
Gm17	31337385	31337456	Gmdrm	hyper	CHG	0.1575
Gm17	31702492	31702537	Gmdrm	hyper	CHG	0.2017
Gm17	31810157	31810238	Gmdrm	hyper	CHG	0.1
Gm17	31826211	31826401	Gmdrm	hyper	CHG	0.036
Gm17	32031023	32031232	Gmdrm	hyper	CHG	0.1863
Gm17	32042851	32043057	Gmdrm	hyper	CHG	0.055
Gm17	32053048	32053240	Gmdrm	hyper	CHG	0.045
Gm17	32212468	32212551	Gmdrm	hyper	CHG	0.0457
Gm17	32230065	32230182	Gmdrm	hyper	CHG	0.0617
Gm17	32274686	32275093	Gmdrm	hyper	CHG	0.08
Gm17	32319299	32319533	Gmdrm	hyper	CHG	0.1767
Gm17	32332381	32332617	Gmdrm	hyper	CHG	0.1443
Gm17	32372901	32373188	Gmdrm	hyper	CHG	0.1059
Gm17	32449635	32449959	Gmdrm	hyper	CHG	0.5736
Gm17	32514317	32514450	Gmdrm	hyper	CHG	0.1716
Gm17	32980951	32981086	Gmdrm	hyper	CHG	0.1988
Gm17	33134513	33134664	Gmdrm	hyper	CHG	0.3657
Gm17	33170149	33170329	Gmdrm	hyper	CHG	0.054

Gm17	33476968	33477172	Gmdrm	hyper	CHG	0.3157
Gm17	33485564	33486055	Gmdrm	hyper	CHG	0.0362
Gm17	33705489	33705697	Gmdrm	hyper	CHG	0.0314
Gm17	33749908	33750168	Gmdrm	hyper	CHG	0.252
Gm17	33904110	33904296	Gmdrm	hyper	CHG	0.4575
Gm17	33904905	33904990	Gmdrm	hyper	CHG	0.5122
Gm17	34068879	34069168	Gmdrm	hyper	CHG	0.3826
Gm17	34075185	34076135	Gmdrm	hyper	CHG	0.1598
Gm17	34146431	34146527	Gmdrm	hyper	CHG	0.2183
Gm17	34531364	34531503	Gmdrm	hyper	CHG	0.06
Gm17	34569285	34569764	Gmdrm	hyper	CHG	0.0862
Gm17	34987017	34987128	Gmdrm	hyper	CHG	0.1474
Gm17	35057643	35057750	Gmdrm	hyper	CHG	0.095
Gm17	35173082	35173552	Gmdrm	hyper	CHG	0.3048
Gm17	35174479	35174844	Gmdrm	hyper	CHG	0.2429
Gm17	35235498	35235863	Gmdrm	hyper	CHG	0.1771
Gm17	35358875	35359051	Gmdrm	hyper	CHG	0.395
Gm17	35528671	35529113	Gmdrm	hyper	CHG	0.2174
Gm17	35546901	35547348	Gmdrm	hyper	CHG	0.13
Gm17	35548643	35548781	Gmdrm	hyper	CHG	0.042
Gm17	35614789	35614859	Gmdrm	hyper	CHG	0.5375
Gm17	35880882	35881627	Gmdrm	hyper	CHG	0.1837
Gm17	35886563	35886690	Gmdrm	hyper	CHG	0.1616
Gm17	36064710	36064947	Gmdrm	hyper	CHG	0.085
Gm17	36089986	36090158	Gmdrm	hyper	CHG	0.106
Gm17	36223857	36223908	Gmdrm	hyper	CHG	0.072
Gm17	36316029	36316211	Gmdrm	hyper	CHG	0.0367
Gm17	36439044	36439239	Gmdrm	hyper	CHG	0.0667
Gm17	36592509	36593120	Gmdrm	hyper	CHG	0.1378
Gm17	36727054	36727239	Gmdrm	hyper	CHG	0.195
Gm17	36788935	36789198	Gmdrm	hyper	CHG	0.4086
Gm17	36789466	36789594	Gmdrm	hyper	CHG	0.07
Gm17	36825484	36825759	Gmdrm	hyper	CHG	0.0543
Gm17	36857294	36857514	Gmdrm	hyper	CHG	0.0383
Gm17	37118277	37118620	Gmdrm	hyper	CHG	0.353
Gm17	37118724	37118773	Gmdrm	hyper	CHG	0.594
Gm17	37118940	37119657	Gmdrm	hyper	CHG	0.0617
Gm17	37119758	37120061	Gmdrm	hyper	CHG	0.3546
Gm17	37167140	37167342	Gmdrm	hyper	CHG	0.0514
Gm17	37329008	37329202	Gmdrm	hyper	CHG	0.0383
Gm17	37730568	37730680	Gmdrm	hyper	CHG	0.0216
Gm17	37842509	37842773	Gmdrm	hyper	CHG	0.402
Gm17	38392276	38392617	Gmdrm	hyper	CHG	0.0257
Gm17	38488410	38488429	Gmdrm	hyper	CHG	0.054
Gm17	38592527	38592821	Gmdrm	hyper	CHG	0.0356
Gm17	38639130	38639488	Gmdrm	hyper	CHG	0.0389

Gm17	38730414	38730513	Gmdrm	hyper	CHG	0.042
Gm17	38747276	38747313	Gmdrm	hyper	CHG	0.08
Gm17	39051304	39051526	Gmdrm	hyper	CHG	0.05
Gm17	39193351	39193771	Gmdrm	hyper	CHG	0.0311
Gm17	39196878	39197207	Gmdrm	hyper	CHG	0.0461
Gm17	39320138	39320281	Gmdrm	hyper	CHG	0.054
Gm17	39577152	39577186	Gmdrm	hyper	CHG	0.04
Gm17	39621085	39621340	Gmdrm	hyper	CHG	0.0286
Gm17	39632798	39633182	Gmdrm	hyper	CHG	0.0263
Gm17	39695137	39695238	Gmdrm	hyper	CHG	0.066
Gm17	39700952	39701446	Gmdrm	hyper	CHG	0.066
Gm17	39745927	39745974	Gmdrm	hyper	CHG	0.048
Gm17	39840990	39841179	Gmdrm	hyper	CHG	0.0323
Gm17	39860322	39860705	Gmdrm	hyper	CHG	0.079
Gm17	39950887	39951441	Gmdrm	hyper	CHG	0.0494
Gm17	39965792	39966185	Gmdrm	hyper	CHG	0.0401
Gm17	40077412	40077609	Gmdrm	hyper	CHG	0.0515
Gm17	40297561	40297651	Gmdrm	hyper	CHG	0.052
Gm17	40381471	40381784	Gmdrm	hyper	CHG	0.0817
Gm17	40480698	40480818	Gmdrm	hyper	CHG	0.04
Gm17	40659456	40659504	Gmdrm	hyper	CHG	0.084
Gm17	40679643	40679800	Gmdrm	hyper	CHG	0.08
Gm17	40861303	40861373	Gmdrm	hyper	CHG	0.054
Gm17	40913806	40914064	Gmdrm	hyper	CHG	0.0414
Gm17	40951286	40951433	Gmdrm	hyper	CHG	0.04
Gm17	41527175	41527249	Gmdrm	hyper	CHG	0.0616
Gm17	41565981	41566140	Gmdrm	hyper	CHG	0.0716
Gm17	41696857	41696953	Gmdrm	hyper	CHG	0.042
Gm17	41731526	41731714	Gmdrm	hyper	CHG	0.1267
Gm18	125422	125557	Gmdrm	hyper	CHG	0.064
Gm18	283001	283089	Gmdrm	hyper	CHG	0.045
Gm18	312859	313204	Gmdrm	hyper	CHG	0.0309
Gm18	368691	368938	Gmdrm	hyper	CHG	0.04
Gm18	403197	403646	Gmdrm	hyper	CHG	0.0578
Gm18	533535	533730	Gmdrm	hyper	CHG	0.3353
Gm18	533902	534018	Gmdrm	hyper	CHG	0.4787
Gm18	534153	534307	Gmdrm	hyper	CHG	0.5077
Gm18	535098	536092	Gmdrm	hyper	CHG	0.1815
Gm18	578485	578680	Gmdrm	hyper	CHG	0.03
Gm18	639228	639398	Gmdrm	hyper	CHG	0.0414
Gm18	763205	763382	Gmdrm	hyper	CHG	0.036
Gm18	763972	764138	Gmdrm	hyper	CHG	0.0411
Gm18	776658	776908	Gmdrm	hyper	CHG	0.0717
Gm18	810281	810523	Gmdrm	hyper	CHG	0.0769
Gm18	811044	811693	Gmdrm	hyper	CHG	0.2442
Gm18	814230	815207	Gmdrm	hyper	CHG	0.2179

Gm18	815270	815741	Gmdrm	hyper	CHG	0.69
Gm18	815875	816013	Gmdrm	hyper	CHG	0.47
Gm18	978991	979146	Gmdrm	hyper	CHG	0.0338
Gm18	1013939	1014121	Gmdrm	hyper	CHG	0.064
Gm18	1082178	1082853	Gmdrm	hyper	CHG	0.2718
Gm18	1106248	1106520	Gmdrm	hyper	CHG	0.0416
Gm18	1119873	1120147	Gmdrm	hyper	CHG	0.25
Gm18	1202548	1202765	Gmdrm	hyper	CHG	0.0482
Gm18	1214065	1214263	Gmdrm	hyper	CHG	0.0729
Gm18	1445527	1445788	Gmdrm	hyper	CHG	0.0463
Gm18	1458812	1459066	Gmdrm	hyper	CHG	0.0647
Gm18	1534460	1534630	Gmdrm	hyper	CHG	0.0433
Gm18	1616431	1616542	Gmdrm	hyper	CHG	0.0362
Gm18	1646425	1646581	Gmdrm	hyper	CHG	0.0633
Gm18	1683898	1684283	Gmdrm	hyper	CHG	0.0262
Gm18	1685457	1685935	Gmdrm	hyper	CHG	0.06
Gm18	1872410	1872674	Gmdrm	hyper	CHG	0.05
Gm18	1924512	1924713	Gmdrm	hyper	CHG	0.054
Gm18	1954821	1955038	Gmdrm	hyper	CHG	0.0563
Gm18	1983364	1983481	Gmdrm	hyper	CHG	0.04
Gm18	2143357	2143584	Gmdrm	hyper	CHG	0.048
Gm18	2160400	2160484	Gmdrm	hyper	CHG	0.046
Gm18	2164499	2164887	Gmdrm	hyper	CHG	0.0489
Gm18	2350871	2351045	Gmdrm	hyper	CHG	0.0571
Gm18	2375351	2375510	Gmdrm	hyper	CHG	0.0342
Gm18	2475640	2475898	Gmdrm	hyper	CHG	0.03
Gm18	2702506	2702552	Gmdrm	hyper	CHG	0.0683
Gm18	3462059	3462216	Gmdrm	hyper	CHG	0.025
Gm18	3469958	3470037	Gmdrm	hyper	CHG	0.036
Gm18	3723375	3723942	Gmdrm	hyper	CHG	0.0255
Gm18	3728912	3729124	Gmdrm	hyper	CHG	0.0429
Gm18	3786295	3786454	Gmdrm	hyper	CHG	0.05
Gm18	3911621	3911789	Gmdrm	hyper	CHG	0.1383
Gm18	3979262	3979478	Gmdrm	hyper	CHG	0.3589
Gm18	4285833	4285859	Gmdrm	hyper	CHG	0.1138
Gm18	4390813	4390943	Gmdrm	hyper	CHG	0.0912
Gm18	4651105	4651385	Gmdrm	hyper	CHG	0.0428
Gm18	5010512	5010756	Gmdrm	hyper	CHG	0.0418
Gm18	5066278	5066351	Gmdrm	hyper	CHG	0.044
Gm18	5067750	5067776	Gmdrm	hyper	CHG	0.6943
Gm18	5103152	5103334	Gmdrm	hyper	CHG	0.038
Gm18	5126806	5126989	Gmdrm	hyper	CHG	0.0533
Gm18	5815074	5815285	Gmdrm	hyper	CHG	0.0875
Gm18	5987215	5987476	Gmdrm	hyper	CHG	0.0437
Gm18	6023096	6023494	Gmdrm	hyper	CHG	0.035
Gm18	6055851	6055978	Gmdrm	hyper	CHG	0.055

Gm18	6143849	6144017	Gmdrm	hyper	CHG	0.0445
Gm18	6318931	6319532	Gmdrm	hyper	CHG	0.0102
Gm18	6505093	6505218	Gmdrm	hyper	CHG	0.223
Gm18	6530051	6530302	Gmdrm	hyper	CHG	0.053
Gm18	6578582	6578797	Gmdrm	hyper	CHG	0.048
Gm18	6602618	6602871	Gmdrm	hyper	CHG	0.0372
Gm18	6641323	6641522	Gmdrm	hyper	CHG	0.0456
Gm18	6663629	6663832	Gmdrm	hyper	CHG	0.0372
Gm18	6680480	6680810	Gmdrm	hyper	CHG	0.0588
Gm18	6795168	6795367	Gmdrm	hyper	CHG	0.4079
Gm18	6826969	6827136	Gmdrm	hyper	CHG	0.0429
Gm18	7081630	7082105	Gmdrm	hyper	CHG	0.5218
Gm18	7121955	7122070	Gmdrm	hyper	CHG	0.082
Gm18	7161899	7162517	Gmdrm	hyper	CHG	0.0294
Gm18	7608046	7608328	Gmdrm	hyper	CHG	0.0244
Gm18	7687663	7687864	Gmdrm	hyper	CHG	0.6145
Gm18	7687991	7688141	Gmdrm	hyper	CHG	0.548
Gm18	7688757	7689204	Gmdrm	hyper	CHG	0.3445
Gm18	7763813	7763916	Gmdrm	hyper	CHG	0.042
Gm18	7852396	7852632	Gmdrm	hyper	CHG	0.03
Gm18	8112045	8112698	Gmdrm	hyper	CHG	0.3627
Gm18	8124920	8125001	Gmdrm	hyper	CHG	0.3414
Gm18	8125117	8125460	Gmdrm	hyper	CHG	0.545
Gm18	8132184	8132286	Gmdrm	hyper	CHG	0.3517
Gm18	8151270	8151664	Gmdrm	hyper	CHG	0.3816
Gm18	8235171	8236124	Gmdrm	hyper	CHG	0.1719
Gm18	8240713	8241708	Gmdrm	hyper	CHG	0.1083
Gm18	8241739	8242733	Gmdrm	hyper	CHG	0.1879
Gm18	8246926	8247066	Gmdrm	hyper	CHG	0.1334
Gm18	8247212	8247279	Gmdrm	hyper	CHG	0.5591
Gm18	8247630	8247655	Gmdrm	hyper	CHG	0.262
Gm18	8446545	8446753	Gmdrm	hyper	CHG	0.0777
Gm18	8586427	8586484	Gmdrm	hyper	CHG	0.072
Gm18	8631989	8632330	Gmdrm	hyper	CHG	0.27
Gm18	8632659	8632699	Gmdrm	hyper	CHG	0.4272
Gm18	8632812	8633110	Gmdrm	hyper	CHG	0.4339
Gm18	8662590	8662828	Gmdrm	hyper	CHG	0.032
Gm18	8821735	8822095	Gmdrm	hyper	CHG	0.4
Gm18	8846643	8846887	Gmdrm	hyper	CHG	0.0387
Gm18	8859997	8860719	Gmdrm	hyper	CHG	0.1025
Gm18	9027838	9028041	Gmdrm	hyper	CHG	0.125
Gm18	9055171	9055291	Gmdrm	hyper	CHG	0.2617
Gm18	9138759	9138855	Gmdrm	hyper	CHG	0.095
Gm18	9195058	9195190	Gmdrm	hyper	CHG	0.4628
Gm18	9240090	9240533	Gmdrm	hyper	CHG	0.0266
Gm18	9254287	9254366	Gmdrm	hyper	CHG	0.0325

Gm18	9432160	9432178	Gmdrm	hyper	CHG	0.632
Gm18	9434688	9435178	Gmdrm	hyper	CHG	0.2156
Gm18	9684059	9684411	Gmdrm	hyper	CHG	0.3535
Gm18	9917265	9917509	Gmdrm	hyper	CHG	0.0386
Gm18	9959680	9959996	Gmdrm	hyper	CHG	0.2339
Gm18	10109280	10110225	Gmdrm	hyper	CHG	0.1514
Gm18	10110318	10111305	Gmdrm	hyper	CHG	0.4112
Gm18	10111326	10111657	Gmdrm	hyper	CHG	0.5653
Gm18	10155640	10156129	Gmdrm	hyper	CHG	0.2413
Gm18	10326696	10326898	Gmdrm	hyper	CHG	0.052
Gm18	10403475	10403838	Gmdrm	hyper	CHG	0.0486
Gm18	10634182	10634232	Gmdrm	hyper	CHG	0.6888
Gm18	10715822	10716083	Gmdrm	hyper	CHG	0.0775
Gm18	11165817	11165995	Gmdrm	hyper	CHG	0.054
Gm18	11166776	11167153	Gmdrm	hyper	CHG	0.03
Gm18	11172855	11173173	Gmdrm	hyper	CHG	0.0762
Gm18	11207658	11207715	Gmdrm	hyper	CHG	0.5084
Gm18	11229580	11230198	Gmdrm	hyper	CHG	0.1121
Gm18	11277128	11277300	Gmdrm	hyper	CHG	0.0434
Gm18	11423265	11423453	Gmdrm	hyper	CHG	0.0386
Gm18	11890288	11890685	Gmdrm	hyper	CHG	0.0409
Gm18	11945184	11945333	Gmdrm	hyper	CHG	0.104
Gm18	11986150	11986266	Gmdrm	hyper	CHG	0.07
Gm18	12028666	12029053	Gmdrm	hyper	CHG	0.0678
Gm18	12130665	12131167	Gmdrm	hyper	CHG	0.0687
Gm18	12135950	12136827	Gmdrm	hyper	CHG	0.4864
Gm18	12136994	12137429	Gmdrm	hyper	CHG	0.5504
Gm18	12234843	12235161	Gmdrm	hyper	CHG	0.3371
Gm18	12235340	12235431	Gmdrm	hyper	CHG	0.058
Gm18	12401210	12401299	Gmdrm	hyper	CHG	0.29
Gm18	12509291	12509562	Gmdrm	hyper	CHG	0.3667
Gm18	12531655	12531769	Gmdrm	hyper	CHG	0.06
Gm18	12538579	12538654	Gmdrm	hyper	CHG	0.6854
Gm18	12603620	12604419	Gmdrm	hyper	CHG	0.59
Gm18	12631412	12631543	Gmdrm	hyper	CHG	0.085
Gm18	12958278	12958509	Gmdrm	hyper	CHG	0.1193
Gm18	13032240	13032268	Gmdrm	hyper	CHG	0.2816
Gm18	13041874	13042094	Gmdrm	hyper	CHG	0.04
Gm18	13090490	13090549	Gmdrm	hyper	CHG	0.1383
Gm18	13123185	13123387	Gmdrm	hyper	CHG	0.0537
Gm18	13307609	13307738	Gmdrm	hyper	CHG	0.4667
Gm18	13505633	13505822	Gmdrm	hyper	CHG	0.3985
Gm18	13505926	13505991	Gmdrm	hyper	CHG	0.385
Gm18	13518012	13518227	Gmdrm	hyper	CHG	0.0267
Gm18	13591753	13592191	Gmdrm	hyper	CHG	0.1504
Gm18	13896654	13896829	Gmdrm	hyper	CHG	0.07

Gm18	13942116	13942340	Gmdrm	hyper	CHG	0.2771
Gm18	13965798	13965915	Gmdrm	hyper	CHG	0.054
Gm18	14257426	14257828	Gmdrm	hyper	CHG	0.259
Gm18	14589154	14589214	Gmdrm	hyper	CHG	0.2638
Gm18	14616125	14616402	Gmdrm	hyper	CHG	0.114
Gm18	14751144	14751682	Gmdrm	hyper	CHG	0.0353
Gm18	14916109	14916226	Gmdrm	hyper	CHG	0.046
Gm18	15024519	15024665	Gmdrm	hyper	CHG	0.32
Gm18	15242230	15242273	Gmdrm	hyper	CHG	0.394
Gm18	15427097	15427194	Gmdrm	hyper	CHG	0.3217
Gm18	15681398	15681495	Gmdrm	hyper	CHG	0.16
Gm18	15717885	15718059	Gmdrm	hyper	CHG	0.0523
Gm18	15805269	15805364	Gmdrm	hyper	CHG	0.0636
Gm18	15842166	15842364	Gmdrm	hyper	CHG	0.5057
Gm18	16080985	16081153	Gmdrm	hyper	CHG	0.1687
Gm18	16147272	16147858	Gmdrm	hyper	CHG	0.2722
Gm18	16162546	16162602	Gmdrm	hyper	CHG	0.034
Gm18	16297785	16298013	Gmdrm	hyper	CHG	0.0522
Gm18	16303504	16304124	Gmdrm	hyper	CHG	0.085
Gm18	16449248	16449497	Gmdrm	hyper	CHG	0.3133
Gm18	16840156	16840327	Gmdrm	hyper	CHG	0.0634
Gm18	16997183	16997421	Gmdrm	hyper	CHG	0.6322
Gm18	17069050	17069147	Gmdrm	hyper	CHG	0.2175
Gm18	17069955	17070304	Gmdrm	hyper	CHG	0.2509
Gm18	17070472	17071029	Gmdrm	hyper	CHG	0.2019
Gm18	17239808	17239892	Gmdrm	hyper	CHG	0.06
Gm18	17260106	17260150	Gmdrm	hyper	CHG	0.086
Gm18	17356744	17357191	Gmdrm	hyper	CHG	0.0514
Gm18	18065655	18066630	Gmdrm	hyper	CHG	0.0273
Gm18	18101094	18101708	Gmdrm	hyper	CHG	0.3475
Gm18	18102102	18103070	Gmdrm	hyper	CHG	0.3269
Gm18	18103111	18104007	Gmdrm	hyper	CHG	0.1753
Gm18	18107083	18107418	Gmdrm	hyper	CHG	0.0709
Gm18	18109972	18110949	Gmdrm	hyper	CHG	0.0895
Gm18	18360675	18360824	Gmdrm	hyper	CHG	0.3511
Gm18	18562830	18563380	Gmdrm	hyper	CHG	0.1287
Gm18	18620048	18620390	Gmdrm	hyper	CHG	0.031
Gm18	18966090	18966352	Gmdrm	hyper	CHG	0.1193
Gm18	18966491	18966730	Gmdrm	hyper	CHG	0.3355
Gm18	19148697	19148869	Gmdrm	hyper	CHG	0.0311
Gm18	19207460	19208229	Gmdrm	hyper	CHG	0.0518
Gm18	19208512	19208658	Gmdrm	hyper	CHG	0.2262
Gm18	19209974	19210244	Gmdrm	hyper	CHG	0.0578
Gm18	19210375	19210504	Gmdrm	hyper	CHG	0.125
Gm18	19618950	19619235	Gmdrm	hyper	CHG	0.181
Gm18	19736780	19736906	Gmdrm	hyper	CHG	0.08

Gm18	19981979	19982023	Gmdrm	hyper	CHG	0.11
Gm18	20027155	20027493	Gmdrm	hyper	CHG	0.0215
Gm18	20158219	20158297	Gmdrm	hyper	CHG	0.0714
Gm18	20237254	20237308	Gmdrm	hyper	CHG	0.046
Gm18	20393829	20394054	Gmdrm	hyper	CHG	0.0409
Gm18	20872232	20872672	Gmdrm	hyper	CHG	0.1267
Gm18	20881371	20881603	Gmdrm	hyper	CHG	0.4054
Gm18	20985851	20985956	Gmdrm	hyper	CHG	0.3214
Gm18	21060243	21060454	Gmdrm	hyper	CHG	0.0729
Gm18	21272627	21272806	Gmdrm	hyper	CHG	0.044
Gm18	21900283	21900408	Gmdrm	hyper	CHG	0.342
Gm18	22071669	22071710	Gmdrm	hyper	CHG	0.042
Gm18	22330736	22331331	Gmdrm	hyper	CHG	0.1677
Gm18	22409913	22410115	Gmdrm	hyper	CHG	0.0438
Gm18	22411863	22412052	Gmdrm	hyper	CHG	0.05
Gm18	22436518	22436656	Gmdrm	hyper	CHG	0.1364
Gm18	22436822	22437165	Gmdrm	hyper	CHG	0.0767
Gm18	22739031	22739133	Gmdrm	hyper	CHG	0.0817
Gm18	23260952	23261376	Gmdrm	hyper	CHG	0.0987
Gm18	23496654	23496835	Gmdrm	hyper	CHG	0.04
Gm18	23825842	23826311	Gmdrm	hyper	CHG	0.1103
Gm18	24073040	24073373	Gmdrm	hyper	CHG	0.1161
Gm18	24776430	24776548	Gmdrm	hyper	CHG	0.04
Gm18	25036210	25036347	Gmdrm	hyper	CHG	0.271
Gm18	25403114	25403304	Gmdrm	hyper	CHG	0.0443
Gm18	25766688	25766747	Gmdrm	hyper	CHG	0.1633
Gm18	25882242	25882292	Gmdrm	hyper	CHG	0.324
Gm18	25903633	25903800	Gmdrm	hyper	CHG	0.155
Gm18	26352865	26353165	Gmdrm	hyper	CHG	0.1543
Gm18	26659619	26659643	Gmdrm	hyper	CHG	0.3733
Gm18	26924986	26925133	Gmdrm	hyper	CHG	0.0466
Gm18	27812551	27812836	Gmdrm	hyper	CHG	0.0357
Gm18	28690497	28690788	Gmdrm	hyper	CHG	0.0823
Gm18	28840623	28840680	Gmdrm	hyper	CHG	0.1733
Gm18	29046383	29046668	Gmdrm	hyper	CHG	0.26
Gm18	29135445	29135526	Gmdrm	hyper	CHG	0.24
Gm18	29282350	29282695	Gmdrm	hyper	CHG	0.0728
Gm18	29404261	29405209	Gmdrm	hyper	CHG	0.2646
Gm18	29682914	29683318	Gmdrm	hyper	CHG	0.1
Gm18	29699070	29699134	Gmdrm	hyper	CHG	0.128
Gm18	30533299	30533370	Gmdrm	hyper	CHG	0.038
Gm18	31597825	31597905	Gmdrm	hyper	CHG	0.1278
Gm18	31851585	31851691	Gmdrm	hyper	CHG	0.373
Gm18	31863863	31864852	Gmdrm	hyper	CHG	0.0746
Gm18	31976641	31976750	Gmdrm	hyper	CHG	0.2714
Gm18	32179565	32179814	Gmdrm	hyper	CHG	0.254

Gm18	32530039	32530273	Gmdrm	hyper	CHG	0.2842
Gm18	32706730	32707702	Gmdrm	hyper	CHG	0.168
Gm18	32707752	32708752	Gmdrm	hyper	CHG	0.1214
Gm18	32761919	32762532	Gmdrm	hyper	CHG	0.143
Gm18	32762649	32763287	Gmdrm	hyper	CHG	0.2239
Gm18	32773429	32773833	Gmdrm	hyper	CHG	0.186
Gm18	32790405	32791109	Gmdrm	hyper	CHG	0.2039
Gm18	32796370	32797368	Gmdrm	hyper	CHG	0.0948
Gm18	32804506	32804712	Gmdrm	hyper	CHG	0.2938
Gm18	32811525	32811699	Gmdrm	hyper	CHG	0.3355
Gm18	32812612	32812746	Gmdrm	hyper	CHG	0.0775
Gm18	32812870	32813056	Gmdrm	hyper	CHG	0.3311
Gm18	32831054	32831611	Gmdrm	hyper	CHG	0.22
Gm18	32873310	32873813	Gmdrm	hyper	CHG	0.1868
Gm18	32903257	32903679	Gmdrm	hyper	CHG	0.11
Gm18	32915279	32916162	Gmdrm	hyper	CHG	0.1006
Gm18	32919449	32920445	Gmdrm	hyper	CHG	0.1396
Gm18	32920478	32920853	Gmdrm	hyper	CHG	0.312
Gm18	32921099	32921559	Gmdrm	hyper	CHG	0.1958
Gm18	33083794	33084070	Gmdrm	hyper	CHG	0.1329
Gm18	33084558	33085152	Gmdrm	hyper	CHG	0.1194
Gm18	33088662	33089290	Gmdrm	hyper	CHG	0.2418
Gm18	33187695	33188695	Gmdrm	hyper	CHG	0.4121
Gm18	33188832	33189807	Gmdrm	hyper	CHG	0.2289
Gm18	33190475	33190540	Gmdrm	hyper	CHG	0.1447
Gm18	33192877	33192970	Gmdrm	hyper	CHG	0.2975
Gm18	33199411	33199455	Gmdrm	hyper	CHG	0.228
Gm18	33203356	33203674	Gmdrm	hyper	CHG	0.15
Gm18	33221098	33221294	Gmdrm	hyper	CHG	0.25
Gm18	33221528	33221974	Gmdrm	hyper	CHG	0.2483
Gm18	33232250	33232720	Gmdrm	hyper	CHG	0.2454
Gm18	33235266	33235860	Gmdrm	hyper	CHG	0.1035
Gm18	33243934	33244917	Gmdrm	hyper	CHG	0.1992
Gm18	33244940	33245939	Gmdrm	hyper	CHG	0.221
Gm18	33248560	33249044	Gmdrm	hyper	CHG	0.1126
Gm18	33259741	33260722	Gmdrm	hyper	CHG	0.1199
Gm18	33292679	33293165	Gmdrm	hyper	CHG	0.1704
Gm18	33295241	33295540	Gmdrm	hyper	CHG	0.3016
Gm18	33295706	33296207	Gmdrm	hyper	CHG	0.7148
Gm18	33296540	33296887	Gmdrm	hyper	CHG	0.429
Gm18	33297914	33298182	Gmdrm	hyper	CHG	0.2916
Gm18	33298370	33298638	Gmdrm	hyper	CHG	0.2644
Gm18	33299138	33299308	Gmdrm	hyper	CHG	0.349
Gm18	33301872	33302178	Gmdrm	hyper	CHG	0.2161
Gm18	33302768	33303405	Gmdrm	hyper	CHG	0.189
Gm18	33303668	33304134	Gmdrm	hyper	CHG	0.3075

Gm18	33307258	33307467	Gmdrm	hyper	CHG	0.4858
Gm18	33307792	33308376	Gmdrm	hyper	CHG	0.3716
Gm18	33308542	33308779	Gmdrm	hyper	CHG	0.2018
Gm18	33309692	33310688	Gmdrm	hyper	CHG	0.2
Gm18	33310695	33311643	Gmdrm	hyper	CHG	0.168
Gm18	33312083	33312644	Gmdrm	hyper	CHG	0.2652
Gm18	33313150	33313812	Gmdrm	hyper	CHG	0.1758
Gm18	33314791	33314945	Gmdrm	hyper	CHG	0.3231
Gm18	33535479	33536313	Gmdrm	hyper	CHG	0.1204
Gm18	33542120	33542760	Gmdrm	hyper	CHG	0.1197
Gm18	33584633	33585173	Gmdrm	hyper	CHG	0.1925
Gm18	33591667	33591872	Gmdrm	hyper	CHG	0.2383
Gm18	33592776	33593761	Gmdrm	hyper	CHG	0.1146
Gm18	33847520	33847644	Gmdrm	hyper	CHG	0.2943
Gm18	34015901	34016035	Gmdrm	hyper	CHG	0.2533
Gm18	34228281	34228427	Gmdrm	hyper	CHG	0.122
Gm18	34252077	34252352	Gmdrm	hyper	CHG	0.3226
Gm18	34252778	34252889	Gmdrm	hyper	CHG	0.284
Gm18	34848544	34848849	Gmdrm	hyper	CHG	0.1454
Gm18	35020979	35021174	Gmdrm	hyper	CHG	0.0514
Gm18	35141768	35142023	Gmdrm	hyper	CHG	0.0766
Gm18	35142904	35142958	Gmdrm	hyper	CHG	0.3428
Gm18	35233725	35234181	Gmdrm	hyper	CHG	0.0264
Gm18	36330634	36330961	Gmdrm	hyper	CHG	0.1909
Gm18	36398957	36398995	Gmdrm	hyper	CHG	0.4767
Gm18	36584837	36585779	Gmdrm	hyper	CHG	0.127
Gm18	36723924	36723969	Gmdrm	hyper	CHG	0.178
Gm18	36787907	36788864	Gmdrm	hyper	CHG	0.1156
Gm18	36932209	36933184	Gmdrm	hyper	CHG	0.1825
Gm18	37030737	37030919	Gmdrm	hyper	CHG	0.205
Gm18	37410147	37410312	Gmdrm	hyper	CHG	0.2515
Gm18	38502801	38503421	Gmdrm	hyper	CHG	0.2438
Gm18	38578601	38578745	Gmdrm	hyper	CHG	0.075
Gm18	38764863	38765324	Gmdrm	hyper	CHG	0.0577
Gm18	38771832	38771899	Gmdrm	hyper	CHG	0.1033
Gm18	38806101	38806316	Gmdrm	hyper	CHG	0.0615
Gm18	38918575	38919224	Gmdrm	hyper	CHG	0.3119
Gm18	38922787	38923001	Gmdrm	hyper	CHG	0.2437
Gm18	38972735	38972850	Gmdrm	hyper	CHG	0.1488
Gm18	39023992	39024963	Gmdrm	hyper	CHG	0.3216
Gm18	39025027	39025992	Gmdrm	hyper	CHG	0.3793
Gm18	39026036	39026576	Gmdrm	hyper	CHG	0.3958
Gm18	39026798	39027118	Gmdrm	hyper	CHG	0.2453
Gm18	39141547	39141713	Gmdrm	hyper	CHG	0.1029
Gm18	40123657	40123703	Gmdrm	hyper	CHG	0.255
Gm18	40125380	40125666	Gmdrm	hyper	CHG	0.2134

Gm18	40219119	40219198	Gmdrm	hyper	CHG	0.5783
Gm18	40219449	40219808	Gmdrm	hyper	CHG	0.6822
Gm18	40220644	40220888	Gmdrm	hyper	CHG	0.2342
Gm18	40297973	40298033	Gmdrm	hyper	CHG	0.1813
Gm18	40337940	40338169	Gmdrm	hyper	CHG	0.2515
Gm18	40487434	40487781	Gmdrm	hyper	CHG	0.0386
Gm18	40503612	40503792	Gmdrm	hyper	CHG	0.0324
Gm18	40843109	40843412	Gmdrm	hyper	CHG	0.1822
Gm18	40958744	40958862	Gmdrm	hyper	CHG	0.13
Gm18	40960761	40960904	Gmdrm	hyper	CHG	0.0675
Gm18	41333108	41333655	Gmdrm	hyper	CHG	0.0205
Gm18	41422294	41422384	Gmdrm	hyper	CHG	0.2837
Gm18	41543460	41543530	Gmdrm	hyper	CHG	0.1171
Gm18	41727023	41727518	Gmdrm	hyper	CHG	0.3717
Gm18	41825979	41826063	Gmdrm	hyper	CHG	0.035
Gm18	41948180	41948503	Gmdrm	hyper	CHG	0.3995
Gm18	42194851	42194868	Gmdrm	hyper	CHG	0.086
Gm18	42344361	42344430	Gmdrm	hyper	CHG	0.4
Gm18	43034233	43034357	Gmdrm	hyper	CHG	0.4534
Gm18	43451914	43452326	Gmdrm	hyper	CHG	0.1675
Gm18	43834149	43834552	Gmdrm	hyper	CHG	0.0567
Gm18	43835468	43835835	Gmdrm	hyper	CHG	0.1334
Gm18	43836062	43836362	Gmdrm	hyper	CHG	0.3473
Gm18	43977034	43977113	Gmdrm	hyper	CHG	0.054
Gm18	44540422	44540513	Gmdrm	hyper	CHG	0.044
Gm18	44569863	44570009	Gmdrm	hyper	CHG	0.0488
Gm18	44687891	44688673	Gmdrm	hyper	CHG	0.2868
Gm18	44783891	44784033	Gmdrm	hyper	CHG	0.0884
Gm18	44890027	44890174	Gmdrm	hyper	CHG	0.0514
Gm18	45364309	45364474	Gmdrm	hyper	CHG	0.0443
Gm18	45378273	45378876	Gmdrm	hyper	CHG	0.4085
Gm18	45408374	45408692	Gmdrm	hyper	CHG	0.0289
Gm18	45417125	45417200	Gmdrm	hyper	CHG	0.114
Gm18	45417388	45417834	Gmdrm	hyper	CHG	0.1725
Gm18	45456557	45456875	Gmdrm	hyper	CHG	0.29
Gm18	45479763	45479814	Gmdrm	hyper	CHG	0.1475
Gm18	45685270	45685657	Gmdrm	hyper	CHG	0.2069
Gm18	46095425	46095984	Gmdrm	hyper	CHG	0.0305
Gm18	46428933	46428992	Gmdrm	hyper	CHG	0.0633
Gm18	46657382	46657725	Gmdrm	hyper	CHG	0.1148
Gm18	46830884	46831030	Gmdrm	hyper	CHG	0.0514
Gm18	46949408	46949722	Gmdrm	hyper	CHG	0.4235
Gm18	47051391	47051507	Gmdrm	hyper	CHG	0.37
Gm18	47185333	47185612	Gmdrm	hyper	CHG	0.1913
Gm18	47399019	47399393	Gmdrm	hyper	CHG	0.0488
Gm18	47413076	47413235	Gmdrm	hyper	CHG	0.443

Gm18	47719986	47720330	Gmdrm	hyper	CHG	0.035
Gm18	47912186	47912279	Gmdrm	hyper	CHG	0.2184
Gm18	48093399	48093566	Gmdrm	hyper	CHG	0.0387
Gm18	48605593	48605793	Gmdrm	hyper	CHG	0.03
Gm18	48614029	48614206	Gmdrm	hyper	CHG	0.0357
Gm18	48751900	48752049	Gmdrm	hyper	CHG	0.042
Gm18	48770217	48770416	Gmdrm	hyper	CHG	0.0383
Gm18	48906507	48906956	Gmdrm	hyper	CHG	0.0228
Gm18	49059284	49059424	Gmdrm	hyper	CHG	0.0534
Gm18	49122568	49122722	Gmdrm	hyper	CHG	0.046
Gm18	49149090	49149334	Gmdrm	hyper	CHG	0.046
Gm18	49585120	49585261	Gmdrm	hyper	CHG	0.04
Gm18	49647671	49648278	Gmdrm	hyper	CHG	0.1342
Gm18	49648427	49648692	Gmdrm	hyper	CHG	0.2423
Gm18	50062683	50062942	Gmdrm	hyper	CHG	0.0357
Gm18	50092259	50092574	Gmdrm	hyper	CHG	0.1285
Gm18	50454871	50455019	Gmdrm	hyper	CHG	0.08
Gm18	50526901	50527120	Gmdrm	hyper	CHG	0.0411
Gm18	50551970	50552096	Gmdrm	hyper	CHG	0.0366
Gm18	50567495	50567613	Gmdrm	hyper	CHG	0.035
Gm18	50625112	50625342	Gmdrm	hyper	CHG	0.0938
Gm18	50874928	50875078	Gmdrm	hyper	CHG	0.054
Gm18	50900444	50900664	Gmdrm	hyper	CHG	0.035
Gm18	51038741	51039016	Gmdrm	hyper	CHG	0.03
Gm18	51230519	51231512	Gmdrm	hyper	CHG	0.3169
Gm18	51231522	51232514	Gmdrm	hyper	CHG	0.2473
Gm18	51328248	51328623	Gmdrm	hyper	CHG	0.0441
Gm18	51590543	51590763	Gmdrm	hyper	CHG	0.03
Gm18	51889067	51889237	Gmdrm	hyper	CHG	0.082
Gm18	52094827	52095219	Gmdrm	hyper	CHG	0.1337
Gm18	52095337	52095940	Gmdrm	hyper	CHG	0.0591
Gm18	52173805	52173946	Gmdrm	hyper	CHG	0.0383
Gm18	52331418	52331644	Gmdrm	hyper	CHG	0.0286
Gm18	52359021	52359256	Gmdrm	hyper	CHG	0.0822
Gm18	52518363	52518620	Gmdrm	hyper	CHG	0.0344
Gm18	53125578	53125786	Gmdrm	hyper	CHG	0.048
Gm18	53279265	53280218	Gmdrm	hyper	CHG	0.1681
Gm18	53280574	53281550	Gmdrm	hyper	CHG	0.132
Gm18	53552923	53553114	Gmdrm	hyper	CHG	0.03
Gm18	53781982	53782198	Gmdrm	hyper	CHG	0.054
Gm18	53836311	53836559	Gmdrm	hyper	CHG	0.0312
Gm18	53891124	53891372	Gmdrm	hyper	CHG	0.072
Gm18	53975593	53975780	Gmdrm	hyper	CHG	0.0222
Gm18	54002455	54002611	Gmdrm	hyper	CHG	0.05
Gm18	54025441	54025837	Gmdrm	hyper	CHG	0.0346
Gm18	54161117	54161280	Gmdrm	hyper	CHG	0.0643

Gm18	54169269	54169468	Gmdrm	hyper	CHG	0.0467
Gm18	54276992	54277195	Gmdrm	hyper	CHG	0.0586
Gm18	54346494	54346791	Gmdrm	hyper	CHG	0.037
Gm18	54482215	54482343	Gmdrm	hyper	CHG	0.074
Gm18	54551686	54551806	Gmdrm	hyper	CHG	0.05
Gm18	54561226	54561414	Gmdrm	hyper	CHG	0.0651
Gm18	54613902	54614063	Gmdrm	hyper	CHG	0.056
Gm18	54785876	54786101	Gmdrm	hyper	CHG	0.029
Gm18	55036763	55036997	Gmdrm	hyper	CHG	0.0487
Gm18	55229317	55229342	Gmdrm	hyper	CHG	0.03
Gm18	55355454	55355762	Gmdrm	hyper	CHG	0.0475
Gm18	55359897	55360165	Gmdrm	hyper	CHG	0.0383
Gm18	55556280	55556530	Gmdrm	hyper	CHG	0.03
Gm18	55615217	55615403	Gmdrm	hyper	CHG	0.054
Gm18	55721365	55721393	Gmdrm	hyper	CHG	0.2667
Gm18	55786353	55786439	Gmdrm	hyper	CHG	0.04
Gm18	55788009	55788327	Gmdrm	hyper	CHG	0.0414
Gm18	55845119	55845423	Gmdrm	hyper	CHG	0.0286
Gm18	56143822	56144358	Gmdrm	hyper	CHG	0.0362
Gm18	56297131	56297257	Gmdrm	hyper	CHG	0.042
Gm18	56317556	56317732	Gmdrm	hyper	CHG	0.0551
Gm18	56377270	56377300	Gmdrm	hyper	CHG	0.044
Gm18	56632440	56632585	Gmdrm	hyper	CHG	0.04
Gm18	56700905	56701096	Gmdrm	hyper	CHG	0.052
Gm18	56727502	56727658	Gmdrm	hyper	CHG	0.0414
Gm18	56760839	56760964	Gmdrm	hyper	CHG	0.044
Gm18	56811929	56811987	Gmdrm	hyper	CHG	0.0366
Gm18	56956654	56956848	Gmdrm	hyper	CHG	0.054
Gm18	56979555	56979644	Gmdrm	hyper	CHG	0.088
Gm18	56991171	56991497	Gmdrm	hyper	CHG	0.03
Gm18	57007928	57008195	Gmdrm	hyper	CHG	0.0515
Gm18	57056101	57056804	Gmdrm	hyper	CHG	0.0282
Gm18	57097874	57098513	Gmdrm	hyper	CHG	0.1164
Gm18	57436382	57436524	Gmdrm	hyper	CHG	0.104
Gm18	57540106	57540275	Gmdrm	hyper	CHG	0.035
Gm18	57659125	57659512	Gmdrm	hyper	CHG	0.0477
Gm18	57770966	57771423	Gmdrm	hyper	CHG	0.0383
Gm18	57788060	57788264	Gmdrm	hyper	CHG	0.22
Gm18	57797207	57798056	Gmdrm	hyper	CHG	0.1114
Gm18	57832758	57833066	Gmdrm	hyper	CHG	0.04
Gm18	57888256	57888509	Gmdrm	hyper	CHG	0.0433
Gm18	57949482	57949960	Gmdrm	hyper	CHG	0.033
Gm18	58077957	58078015	Gmdrm	hyper	CHG	0.058
Gm18	58213719	58214236	Gmdrm	hyper	CHG	0.025
Gm18	58250069	58250137	Gmdrm	hyper	CHG	0.0586
Gm19	372264	372459	Gmdrm	hyper	CHG	0.0529

Gm19	390383	390545	Gmdrm	hyper	CHG	0.07
Gm19	398919	399030	Gmdrm	hyper	CHG	0.242
Gm19	461826	462025	Gmdrm	hyper	CHG	0.0783
Gm19	651912	651990	Gmdrm	hyper	CHG	0.1685
Gm19	656189	656480	Gmdrm	hyper	CHG	0.0286
Gm19	796683	796924	Gmdrm	hyper	CHG	0.0557
Gm19	989819	989854	Gmdrm	hyper	CHG	0.2817
Gm19	1069552	1069601	Gmdrm	hyper	CHG	0.0433
Gm19	1194528	1194666	Gmdrm	hyper	CHG	0.065
Gm19	1257975	1258062	Gmdrm	hyper	CHG	0.0557
Gm19	1328363	1328578	Gmdrm	hyper	CHG	0.034
Gm19	1596736	1596892	Gmdrm	hyper	CHG	0.052
Gm19	1740985	1741170	Gmdrm	hyper	CHG	0.0557
Gm19	1759767	1759978	Gmdrm	hyper	CHG	0.0762
Gm19	1854537	1854771	Gmdrm	hyper	CHG	0.0407
Gm19	1876053	1876158	Gmdrm	hyper	CHG	0.5913
Gm19	1876348	1876481	Gmdrm	hyper	CHG	0.29
Gm19	2256524	2256770	Gmdrm	hyper	CHG	0.0333
Gm19	2386322	2386560	Gmdrm	hyper	CHG	0.03
Gm19	2569015	2569134	Gmdrm	hyper	CHG	0.3722
Gm19	2716568	2716742	Gmdrm	hyper	CHG	0.1638
Gm19	2879510	2879714	Gmdrm	hyper	CHG	0.0508
Gm19	2964665	2964859	Gmdrm	hyper	CHG	0.1363
Gm19	3018093	3018314	Gmdrm	hyper	CHG	0.0557
Gm19	3058617	3058679	Gmdrm	hyper	CHG	0.1689
Gm19	3237240	3237381	Gmdrm	hyper	CHG	0.07
Gm19	3321018	3321218	Gmdrm	hyper	CHG	0.6675
Gm19	3321322	3321403	Gmdrm	hyper	CHG	0.6563
Gm19	3329908	3330083	Gmdrm	hyper	CHG	0.238
Gm19	3479647	3479726	Gmdrm	hyper	CHG	0.056
Gm19	3565585	3565814	Gmdrm	hyper	CHG	0.0734
Gm19	3587238	3587386	Gmdrm	hyper	CHG	0.068
Gm19	3647402	3647603	Gmdrm	hyper	CHG	0.0513
Gm19	3703344	3703516	Gmdrm	hyper	CHG	0.235
Gm19	4005208	4005485	Gmdrm	hyper	CHG	0.207
Gm19	4072337	4072555	Gmdrm	hyper	CHG	0.1925
Gm19	4160771	4160956	Gmdrm	hyper	CHG	0.064
Gm19	4264179	4264325	Gmdrm	hyper	CHG	0.0383
Gm19	4270813	4270989	Gmdrm	hyper	CHG	0.4235
Gm19	4290021	4290085	Gmdrm	hyper	CHG	0.032
Gm19	4291667	4291863	Gmdrm	hyper	CHG	0.0412
Gm19	4310831	4310885	Gmdrm	hyper	CHG	0.146
Gm19	4323395	4323591	Gmdrm	hyper	CHG	0.095
Gm19	4337006	4337405	Gmdrm	hyper	CHG	0.333
Gm19	4746410	4746481	Gmdrm	hyper	CHG	0.0583
Gm19	4778301	4778431	Gmdrm	hyper	CHG	0.1083

Gm19	4790645	4790803	Gmdrm	hyper	CHG	0.2224
Gm19	4811683	4812675	Gmdrm	hyper	CHG	0.1343
Gm19	4812843	4813341	Gmdrm	hyper	CHG	0.2967
Gm19	5440608	5440645	Gmdrm	hyper	CHG	0.232
Gm19	5534446	5535032	Gmdrm	hyper	CHG	0.2692
Gm19	5535324	5535448	Gmdrm	hyper	CHG	0.161
Gm19	5537499	5537729	Gmdrm	hyper	CHG	0.1118
Gm19	5640508	5640724	Gmdrm	hyper	CHG	0.0712
Gm19	5816104	5816441	Gmdrm	hyper	CHG	0.1953
Gm19	5950457	5950918	Gmdrm	hyper	CHG	0.2805
Gm19	5962967	5963088	Gmdrm	hyper	CHG	0.2186
Gm19	5967550	5968217	Gmdrm	hyper	CHG	0.1443
Gm19	5969447	5970344	Gmdrm	hyper	CHG	0.1153
Gm19	5973287	5973587	Gmdrm	hyper	CHG	0.1044
Gm19	5976941	5977322	Gmdrm	hyper	CHG	0.1466
Gm19	5977617	5977936	Gmdrm	hyper	CHG	0.1507
Gm19	5978881	5979484	Gmdrm	hyper	CHG	0.1986
Gm19	5980270	5980435	Gmdrm	hyper	CHG	0.0958
Gm19	6023335	6023562	Gmdrm	hyper	CHG	0.04
Gm19	6046562	6046913	Gmdrm	hyper	CHG	0.7027
Gm19	6232679	6232902	Gmdrm	hyper	CHG	0.0473
Gm19	6473510	6474163	Gmdrm	hyper	CHG	0.1635
Gm19	6635169	6635251	Gmdrm	hyper	CHG	0.168
Gm19	6676972	6677248	Gmdrm	hyper	CHG	0.0654
Gm19	6730789	6731782	Gmdrm	hyper	CHG	0.3423
Gm19	6731814	6732508	Gmdrm	hyper	CHG	0.3551
Gm19	6912972	6913067	Gmdrm	hyper	CHG	0.118
Gm19	7002501	7002596	Gmdrm	hyper	CHG	0.04
Gm19	7082843	7083833	Gmdrm	hyper	CHG	0.1813
Gm19	7297246	7297449	Gmdrm	hyper	CHG	0.17
Gm19	7803957	7803976	Gmdrm	hyper	CHG	0.0867
Gm19	7873247	7873516	Gmdrm	hyper	CHG	0.2719
Gm19	7873622	7873731	Gmdrm	hyper	CHG	0.4875
Gm19	8035031	8035392	Gmdrm	hyper	CHG	0.0369
Gm19	8851291	8851314	Gmdrm	hyper	CHG	0.8766
Gm19	8851455	8851556	Gmdrm	hyper	CHG	0.7683
Gm19	8851668	8851762	Gmdrm	hyper	CHG	0.788
Gm19	8851890	8852022	Gmdrm	hyper	CHG	0.648
Gm19	9569251	9569435	Gmdrm	hyper	CHG	0.135
Gm19	9569940	9570050	Gmdrm	hyper	CHG	0.2537
Gm19	9570222	9570451	Gmdrm	hyper	CHG	0.142
Gm19	9570779	9571133	Gmdrm	hyper	CHG	0.1633
Gm19	10302751	10302780	Gmdrm	hyper	CHG	0.0683
Gm19	10538341	10538473	Gmdrm	hyper	CHG	0.13
Gm19	10640481	10640625	Gmdrm	hyper	CHG	0.2338
Gm19	11767804	11768779	Gmdrm	hyper	CHG	0.1928

Gm19	12139533	12139589	Gmdrm	hyper	CHG	0.06
Gm19	12337353	12337747	Gmdrm	hyper	CHG	0.0569
Gm19	13266033	13266154	Gmdrm	hyper	CHG	0.124
Gm19	13270450	13271405	Gmdrm	hyper	CHG	0.0753
Gm19	13272265	13272933	Gmdrm	hyper	CHG	0.071
Gm19	13418421	13418580	Gmdrm	hyper	CHG	0.26
Gm19	13418713	13419036	Gmdrm	hyper	CHG	0.4152
Gm19	13419875	13419998	Gmdrm	hyper	CHG	0.1317
Gm19	13474505	13474932	Gmdrm	hyper	CHG	0.0307
Gm19	13649859	13649920	Gmdrm	hyper	CHG	0.1967
Gm19	13698236	13699236	Gmdrm	hyper	CHG	0.2017
Gm19	14172530	14173153	Gmdrm	hyper	CHG	0.0881
Gm19	14622809	14622911	Gmdrm	hyper	CHG	0.312
Gm19	14972666	14973024	Gmdrm	hyper	CHG	0.2004
Gm19	15157074	15157982	Gmdrm	hyper	CHG	0.1871
Gm19	15158124	15158261	Gmdrm	hyper	CHG	0.4919
Gm19	15158520	15159428	Gmdrm	hyper	CHG	0.5014
Gm19	15463302	15463615	Gmdrm	hyper	CHG	0.1217
Gm19	15478345	15478490	Gmdrm	hyper	CHG	0.2371
Gm19	16038864	16039082	Gmdrm	hyper	CHG	0.11
Gm19	16237002	16237415	Gmdrm	hyper	CHG	0.1092
Gm19	16594233	16594446	Gmdrm	hyper	CHG	0.3025
Gm19	16982840	16983548	Gmdrm	hyper	CHG	0.0839
Gm19	19183826	19183973	Gmdrm	hyper	CHG	0.0443
Gm19	19870883	19871081	Gmdrm	hyper	CHG	0.26
Gm19	20027523	20027767	Gmdrm	hyper	CHG	0.1292
Gm19	20116600	20116720	Gmdrm	hyper	CHG	0.076
Gm19	20197097	20197323	Gmdrm	hyper	CHG	0.1165
Gm19	20520354	20521340	Gmdrm	hyper	CHG	0.1854
Gm19	20565086	20565309	Gmdrm	hyper	CHG	0.1671
Gm19	20712592	20712748	Gmdrm	hyper	CHG	0.2945
Gm19	20867509	20867680	Gmdrm	hyper	CHG	0.2279
Gm19	20979843	20979973	Gmdrm	hyper	CHG	0.3117
Gm19	21023378	21023435	Gmdrm	hyper	CHG	0.1861
Gm19	21100095	21100159	Gmdrm	hyper	CHG	0.186
Gm19	21100455	21101161	Gmdrm	hyper	CHG	0.2017
Gm19	21285304	21285903	Gmdrm	hyper	CHG	0.1923
Gm19	21286792	21287017	Gmdrm	hyper	CHG	0.29
Gm19	21287998	21288156	Gmdrm	hyper	CHG	0.2575
Gm19	21288742	21289464	Gmdrm	hyper	CHG	0.1882
Gm19	21290511	21291196	Gmdrm	hyper	CHG	0.2292
Gm19	21291328	21291475	Gmdrm	hyper	CHG	0.123
Gm19	21306501	21307087	Gmdrm	hyper	CHG	0.622
Gm19	21307298	21307514	Gmdrm	hyper	CHG	0.0469
Gm19	21505743	21505998	Gmdrm	hyper	CHG	0.0387
Gm19	21599953	21600072	Gmdrm	hyper	CHG	0.305

Gm19	21763746	21763950	Gmdrm	hyper	CHG	0.2018
Gm19	21864700	21864780	Gmdrm	hyper	CHG	0.298
Gm19	22088069	22088776	Gmdrm	hyper	CHG	0.3591
Gm19	22574245	22574309	Gmdrm	hyper	CHG	0.2543
Gm19	22976545	22976978	Gmdrm	hyper	CHG	0.3239
Gm19	23652743	23653704	Gmdrm	hyper	CHG	0.1536
Gm19	24037395	24038309	Gmdrm	hyper	CHG	0.2627
Gm19	24046473	24046794	Gmdrm	hyper	CHG	0.215
Gm19	24230950	24231228	Gmdrm	hyper	CHG	0.474
Gm19	24367254	24367489	Gmdrm	hyper	CHG	0.1564
Gm19	24533707	24533806	Gmdrm	hyper	CHG	0.16
Gm19	24536025	24536123	Gmdrm	hyper	CHG	0.1628
Gm19	24743319	24743404	Gmdrm	hyper	CHG	0.18
Gm19	25166392	25166925	Gmdrm	hyper	CHG	0.0719
Gm19	25784977	25785144	Gmdrm	hyper	CHG	0.28
Gm19	25823131	25823326	Gmdrm	hyper	CHG	0.1377
Gm19	26004120	26004169	Gmdrm	hyper	CHG	0.4417
Gm19	26170716	26170839	Gmdrm	hyper	CHG	0.2244
Gm19	26263700	26263741	Gmdrm	hyper	CHG	0.3216
Gm19	26263846	26263979	Gmdrm	hyper	CHG	0.3147
Gm19	26475036	26475100	Gmdrm	hyper	CHG	0.154
Gm19	26810899	26811199	Gmdrm	hyper	CHG	0.3272
Gm19	27332675	27332691	Gmdrm	hyper	CHG	0.23
Gm19	27554141	27554273	Gmdrm	hyper	CHG	0.0831
Gm19	27562713	27562978	Gmdrm	hyper	CHG	0.1491
Gm19	27575485	27575506	Gmdrm	hyper	CHG	0.0784
Gm19	27586844	27587157	Gmdrm	hyper	CHG	0.05
Gm19	27809942	27810833	Gmdrm	hyper	CHG	0.1428
Gm19	27811354	27811786	Gmdrm	hyper	CHG	0.2293
Gm19	27811919	27812276	Gmdrm	hyper	CHG	0.1545
Gm19	27812632	27813320	Gmdrm	hyper	CHG	0.2073
Gm19	27813467	27813744	Gmdrm	hyper	CHG	0.0988
Gm19	27814453	27815117	Gmdrm	hyper	CHG	0.1574
Gm19	27815539	27816005	Gmdrm	hyper	CHG	0.135
Gm19	27816134	27816429	Gmdrm	hyper	CHG	0.191
Gm19	27816816	27817500	Gmdrm	hyper	CHG	0.1436
Gm19	27818017	27818919	Gmdrm	hyper	CHG	0.0887
Gm19	27826818	27827017	Gmdrm	hyper	CHG	0.032
Gm19	28287278	28287617	Gmdrm	hyper	CHG	0.3246
Gm19	28347415	28347597	Gmdrm	hyper	CHG	0.0951
Gm19	28550199	28550245	Gmdrm	hyper	CHG	0.11
Gm19	28560394	28560517	Gmdrm	hyper	CHG	0.042
Gm19	28765777	28766001	Gmdrm	hyper	CHG	0.1653
Gm19	28893868	28894226	Gmdrm	hyper	CHG	0.2125
Gm19	28935975	28936659	Gmdrm	hyper	CHG	0.2142
Gm19	28939142	28940140	Gmdrm	hyper	CHG	0.2758

Gm19	28940155	28940492	Gmdrm	hyper	CHG	0.6839
Gm19	28940595	28941028	Gmdrm	hyper	CHG	0.5324
Gm19	28941160	28941898	Gmdrm	hyper	CHG	0.4257
Gm19	29083819	29083907	Gmdrm	hyper	CHG	0.06
Gm19	29158907	29159782	Gmdrm	hyper	CHG	0.1734
Gm19	29188616	29188758	Gmdrm	hyper	CHG	0.12
Gm19	29299373	29299524	Gmdrm	hyper	CHG	0.3917
Gm19	29606794	29606868	Gmdrm	hyper	CHG	0.1075
Gm19	29634863	29635227	Gmdrm	hyper	CHG	0.1546
Gm19	29863153	29863407	Gmdrm	hyper	CHG	0.054
Gm19	29936369	29936498	Gmdrm	hyper	CHG	0.1467
Gm19	30057998	30058073	Gmdrm	hyper	CHG	0.2333
Gm19	30232116	30232131	Gmdrm	hyper	CHG	0.038
Gm19	30352217	30352279	Gmdrm	hyper	CHG	0.1683
Gm19	30547643	30548055	Gmdrm	hyper	CHG	0.155
Gm19	30628254	30628393	Gmdrm	hyper	CHG	0.253
Gm19	30878095	30878143	Gmdrm	hyper	CHG	0.225
Gm19	30940703	30940760	Gmdrm	hyper	CHG	0.11
Gm19	31081243	31081556	Gmdrm	hyper	CHG	0.3521
Gm19	31224975	31225103	Gmdrm	hyper	CHG	0.5484
Gm19	31225228	31225665	Gmdrm	hyper	CHG	0.6441
Gm19	31225855	31226142	Gmdrm	hyper	CHG	0.86
Gm19	31548056	31548146	Gmdrm	hyper	CHG	0.055
Gm19	31640929	31641227	Gmdrm	hyper	CHG	0.0463
Gm19	31664670	31664848	Gmdrm	hyper	CHG	0.0617
Gm19	31671761	31671888	Gmdrm	hyper	CHG	0.754
Gm19	31717799	31718260	Gmdrm	hyper	CHG	0.0846
Gm19	31718377	31718576	Gmdrm	hyper	CHG	0.1173
Gm19	31869346	31869417	Gmdrm	hyper	CHG	0.1217
Gm19	32174154	32174421	Gmdrm	hyper	CHG	0.035
Gm19	32603528	32603615	Gmdrm	hyper	CHG	0.3086
Gm19	32913712	32913884	Gmdrm	hyper	CHG	0.0583
Gm19	33059130	33059259	Gmdrm	hyper	CHG	0.399
Gm19	33059367	33059754	Gmdrm	hyper	CHG	0.0625
Gm19	33228719	33228919	Gmdrm	hyper	CHG	0.44
Gm19	33832438	33832508	Gmdrm	hyper	CHG	0.4834
Gm19	33949251	33950208	Gmdrm	hyper	CHG	0.2311
Gm19	34039449	34039612	Gmdrm	hyper	CHG	0.0417
Gm19	34142039	34142297	Gmdrm	hyper	CHG	0.1446
Gm19	34628285	34628628	Gmdrm	hyper	CHG	0.2814
Gm19	34821658	34821795	Gmdrm	hyper	CHG	0.054
Gm19	34838845	34838873	Gmdrm	hyper	CHG	0.086
Gm19	35032310	35032640	Gmdrm	hyper	CHG	0.1479
Gm19	35032917	35033193	Gmdrm	hyper	CHG	0.3755
Gm19	35387100	35387465	Gmdrm	hyper	CHG	0.1752
Gm19	35406431	35406607	Gmdrm	hyper	CHG	0.096

Gm19	35618917	35619214	Gmdrm	hyper	CHG	0.0567
Gm19	35662976	35663954	Gmdrm	hyper	CHG	0.1911
Gm19	35748894	35749197	Gmdrm	hyper	CHG	0.3671
Gm19	35749355	35749610	Gmdrm	hyper	CHG	0.2674
Gm19	35966794	35967070	Gmdrm	hyper	CHG	0.1333
Gm19	36090903	36091215	Gmdrm	hyper	CHG	0.0422
Gm19	36148738	36149346	Gmdrm	hyper	CHG	0.3276
Gm19	36149498	36149556	Gmdrm	hyper	CHG	0.6128
Gm19	36149705	36150320	Gmdrm	hyper	CHG	0.4573
Gm19	36182956	36183085	Gmdrm	hyper	CHG	0.046
Gm19	36293811	36294087	Gmdrm	hyper	CHG	0.05
Gm19	36545839	36545898	Gmdrm	hyper	CHG	0.328
Gm19	36574240	36574924	Gmdrm	hyper	CHG	0.1169
Gm19	36640959	36641145	Gmdrm	hyper	CHG	0.0383
Gm19	36728768	36728947	Gmdrm	hyper	CHG	0.04
Gm19	36747498	36747700	Gmdrm	hyper	CHG	0.0987
Gm19	36760533	36760930	Gmdrm	hyper	CHG	0.185
Gm19	36826089	36826320	Gmdrm	hyper	CHG	0.0288
Gm19	36987496	36987744	Gmdrm	hyper	CHG	0.0215
Gm19	37054067	37054441	Gmdrm	hyper	CHG	0.044
Gm19	37086911	37087036	Gmdrm	hyper	CHG	0.058
Gm19	37231661	37231825	Gmdrm	hyper	CHG	0.061
Gm19	37416718	37416911	Gmdrm	hyper	CHG	0.6113
Gm19	37460846	37461038	Gmdrm	hyper	CHG	0.0371
Gm19	37464481	37464636	Gmdrm	hyper	CHG	0.034
Gm19	37691598	37692085	Gmdrm	hyper	CHG	0.3471
Gm19	37692190	37692711	Gmdrm	hyper	CHG	0.256
Gm19	37711928	37712048	Gmdrm	hyper	CHG	0.038
Gm19	37717015	37717485	Gmdrm	hyper	CHG	0.0427
Gm19	37725306	37725418	Gmdrm	hyper	CHG	0.2967
Gm19	37742505	37743500	Gmdrm	hyper	CHG	0.1696
Gm19	37743533	37744377	Gmdrm	hyper	CHG	0.1927
Gm19	38129377	38129532	Gmdrm	hyper	CHG	0.0443
Gm19	38138763	38138844	Gmdrm	hyper	CHG	0.04
Gm19	38197844	38197913	Gmdrm	hyper	CHG	0.134
Gm19	38312475	38312628	Gmdrm	hyper	CHG	0.032
Gm19	38351491	38351711	Gmdrm	hyper	CHG	0.04
Gm19	38363823	38364813	Gmdrm	hyper	CHG	0.2239
Gm19	38389195	38389734	Gmdrm	hyper	CHG	0.0325
Gm19	38428080	38428110	Gmdrm	hyper	CHG	0.0533
Gm19	38529302	38529398	Gmdrm	hyper	CHG	0.044
Gm19	38531117	38531349	Gmdrm	hyper	CHG	0.0257
Gm19	38549793	38549831	Gmdrm	hyper	CHG	0.045
Gm19	38675192	38676134	Gmdrm	hyper	CHG	0.1341
Gm19	38698940	38699265	Gmdrm	hyper	CHG	0.0618
Gm19	38756876	38757071	Gmdrm	hyper	CHG	0.051

Gm19	38943170	38943377	Gmdrm	hyper	CHG	0.0566
Gm19	39015354	39015528	Gmdrm	hyper	CHG	0.04
Gm19	39107378	39107505	Gmdrm	hyper	CHG	0.042
Gm19	39291692	39292656	Gmdrm	hyper	CHG	0.0227
Gm19	39335040	39336032	Gmdrm	hyper	CHG	0.1951
Gm19	39396204	39396304	Gmdrm	hyper	CHG	0.036
Gm19	39527671	39527784	Gmdrm	hyper	CHG	0.034
Gm19	39527889	39528070	Gmdrm	hyper	CHG	0.0515
Gm19	39595523	39595774	Gmdrm	hyper	CHG	0.0412
Gm19	39597192	39597272	Gmdrm	hyper	CHG	0.0417
Gm19	39614312	39614409	Gmdrm	hyper	CHG	0.0514
Gm19	39677333	39677521	Gmdrm	hyper	CHG	0.0318
Gm19	40003793	40003977	Gmdrm	hyper	CHG	0.0457
Gm19	40173413	40173618	Gmdrm	hyper	CHG	0.066
Gm19	40336581	40336779	Gmdrm	hyper	CHG	0.038
Gm19	40371983	40372226	Gmdrm	hyper	CHG	0.0483
Gm19	40519834	40520110	Gmdrm	hyper	CHG	0.008
Gm19	40529509	40529655	Gmdrm	hyper	CHG	0.0128
Gm19	40534245	40534633	Gmdrm	hyper	CHG	0.2418
Gm19	40549355	40549432	Gmdrm	hyper	CHG	0.2183
Gm19	40676152	40676321	Gmdrm	hyper	CHG	0.044
Gm19	40896257	40896416	Gmdrm	hyper	CHG	0.0983
Gm19	40971072	40971189	Gmdrm	hyper	CHG	0.0857
Gm19	40971678	40971894	Gmdrm	hyper	CHG	0.0767
Gm19	41117368	41117567	Gmdrm	hyper	CHG	0.05
Gm19	41171831	41172567	Gmdrm	hyper	CHG	0.0352
Gm19	41396943	41397093	Gmdrm	hyper	CHG	0.0533
Gm19	41460793	41460935	Gmdrm	hyper	CHG	0.042
Gm19	41508105	41508216	Gmdrm	hyper	CHG	0.51
Gm19	41530206	41530317	Gmdrm	hyper	CHG	0.0571
Gm19	41638879	41639050	Gmdrm	hyper	CHG	0.2692
Gm19	41694748	41695365	Gmdrm	hyper	CHG	0.1096
Gm19	41808168	41808255	Gmdrm	hyper	CHG	0.1
Gm19	41811563	41811664	Gmdrm	hyper	CHG	0.045
Gm19	41927346	41927836	Gmdrm	hyper	CHG	0.4488
Gm19	41928175	41929135	Gmdrm	hyper	CHG	0.2108
Gm19	41947216	41947415	Gmdrm	hyper	CHG	0.0629
Gm19	41953125	41953472	Gmdrm	hyper	CHG	0.2336
Gm19	41979489	41979777	Gmdrm	hyper	CHG	0.0399
Gm19	42132034	42132295	Gmdrm	hyper	CHG	0.0589
Gm19	42237713	42237835	Gmdrm	hyper	CHG	0.1325
Gm19	42244277	42244673	Gmdrm	hyper	CHG	0.0651
Gm19	42262487	42262557	Gmdrm	hyper	CHG	0.23
Gm19	42355889	42356180	Gmdrm	hyper	CHG	0.0914
Gm19	42364074	42364273	Gmdrm	hyper	CHG	0.0433
Gm19	42404922	42405085	Gmdrm	hyper	CHG	0.038

Gm19	42449325	42449612	Gmdrm	hyper	CHG	0.066
Gm19	42587076	42587301	Gmdrm	hyper	CHG	0.07
Gm19	42685260	42685515	Gmdrm	hyper	CHG	0.0338
Gm19	42842998	42843163	Gmdrm	hyper	CHG	0.062
Gm19	42922706	42923008	Gmdrm	hyper	CHG	0.0577
Gm19	42971470	42971599	Gmdrm	hyper	CHG	0.0543
Gm19	43218013	43218377	Gmdrm	hyper	CHG	0.0513
Gm19	43518825	43519063	Gmdrm	hyper	CHG	0.0415
Gm19	43711371	43711508	Gmdrm	hyper	CHG	0.036
Gm19	43799163	43799359	Gmdrm	hyper	CHG	0.05
Gm19	43810420	43810540	Gmdrm	hyper	CHG	0.0967
Gm19	43814662	43814999	Gmdrm	hyper	CHG	0.044
Gm19	44024140	44024218	Gmdrm	hyper	CHG	0.048
Gm19	44127467	44127535	Gmdrm	hyper	CHG	0.0417
Gm19	44145713	44145856	Gmdrm	hyper	CHG	0.054
Gm19	44168697	44168716	Gmdrm	hyper	CHG	0.016
Gm19	44195397	44195632	Gmdrm	hyper	CHG	0.04
Gm19	44287598	44287750	Gmdrm	hyper	CHG	0.1057
Gm19	44289174	44289254	Gmdrm	hyper	CHG	0.056
Gm19	44308447	44308578	Gmdrm	hyper	CHG	0.056
Gm19	44340519	44341077	Gmdrm	hyper	CHG	0.0346
Gm19	44386336	44386475	Gmdrm	hyper	CHG	0.0477
Gm19	44422645	44422764	Gmdrm	hyper	CHG	0.034
Gm19	44522998	44523187	Gmdrm	hyper	CHG	0.05
Gm19	44540134	44540271	Gmdrm	hyper	CHG	0.5088
Gm19	44540394	44540727	Gmdrm	hyper	CHG	0.4732
Gm19	44570694	44570792	Gmdrm	hyper	CHG	0.058
Gm19	44660556	44660662	Gmdrm	hyper	CHG	0.032
Gm19	44707557	44707898	Gmdrm	hyper	CHG	0.0822
Gm19	44773355	44773634	Gmdrm	hyper	CHG	0.0345
Gm19	44975636	44975914	Gmdrm	hyper	CHG	0.3291
Gm19	45041130	45041417	Gmdrm	hyper	CHG	0.09
Gm19	45157965	45158242	Gmdrm	hyper	CHG	0.2434
Gm19	45228190	45228379	Gmdrm	hyper	CHG	0.0586
Gm19	45293044	45293250	Gmdrm	hyper	CHG	0.0414
Gm19	45305511	45305771	Gmdrm	hyper	CHG	0.0286
Gm19	45330975	45331457	Gmdrm	hyper	CHG	0.1525
Gm19	45399634	45399726	Gmdrm	hyper	CHG	0.145
Gm19	45433767	45433812	Gmdrm	hyper	CHG	0.09
Gm19	45441454	45441596	Gmdrm	hyper	CHG	0.0543
Gm19	45466528	45466857	Gmdrm	hyper	CHG	0.0483
Gm19	45546865	45547029	Gmdrm	hyper	CHG	0.05
Gm19	45731065	45731593	Gmdrm	hyper	CHG	0.2768
Gm19	45785574	45785926	Gmdrm	hyper	CHG	0.029
Gm19	45824415	45824608	Gmdrm	hyper	CHG	0.096
Gm19	45914172	45914261	Gmdrm	hyper	CHG	0.0417

Gm19	45938803	45938972	Gmdrm	hyper	CHG	0.0483
Gm19	45946105	45946254	Gmdrm	hyper	CHG	0.0513
Gm19	46025074	46025189	Gmdrm	hyper	CHG	0.0334
Gm19	46050706	46050836	Gmdrm	hyper	CHG	0.0522
Gm19	46111996	46112185	Gmdrm	hyper	CHG	0.0411
Gm19	46115071	46115243	Gmdrm	hyper	CHG	0.0329
Gm19	46258333	46258419	Gmdrm	hyper	CHG	0.1384
Gm19	46511652	46511786	Gmdrm	hyper	CHG	0.078
Gm19	46698072	46698290	Gmdrm	hyper	CHG	0.074
Gm19	47114428	47114638	Gmdrm	hyper	CHG	0.056
Gm19	47161672	47161907	Gmdrm	hyper	CHG	0.0443
Gm19	47195132	47195274	Gmdrm	hyper	CHG	0.0433
Gm19	47198549	47198683	Gmdrm	hyper	CHG	0.0533
Gm19	47271377	47271587	Gmdrm	hyper	CHG	0.058
Gm19	47431493	47431655	Gmdrm	hyper	CHG	0.058
Gm19	47440556	47440732	Gmdrm	hyper	CHG	0.058
Gm19	47498143	47498351	Gmdrm	hyper	CHG	0.0525
Gm19	47582014	47582110	Gmdrm	hyper	CHG	0.0614
Gm19	47723228	47723576	Gmdrm	hyper	CHG	0.0587
Gm19	47741809	47741845	Gmdrm	hyper	CHG	0.042
Gm19	47866423	47866700	Gmdrm	hyper	CHG	0.0571
Gm19	48099612	48099809	Gmdrm	hyper	CHG	0.1512
Gm19	48155978	48156159	Gmdrm	hyper	CHG	0.036
Gm19	48192504	48192839	Gmdrm	hyper	CHG	0.0533
Gm19	48214242	48214482	Gmdrm	hyper	CHG	0.0299
Gm19	48320654	48320741	Gmdrm	hyper	CHG	0.078
Gm19	48401768	48402044	Gmdrm	hyper	CHG	0.0612
Gm19	48423373	48423619	Gmdrm	hyper	CHG	0.0713
Gm19	48502679	48502763	Gmdrm	hyper	CHG	0.055
Gm19	48609699	48609880	Gmdrm	hyper	CHG	0.035
Gm19	48679473	48679698	Gmdrm	hyper	CHG	0.2581
Gm19	48821371	48821494	Gmdrm	hyper	CHG	0.0463
Gm19	48822378	48822562	Gmdrm	hyper	CHG	0.0389
Gm19	48842867	48843070	Gmdrm	hyper	CHG	0.034
Gm19	48847116	48847401	Gmdrm	hyper	CHG	0.06
Gm19	48980136	48980216	Gmdrm	hyper	CHG	0.046
Gm19	49152475	49152618	Gmdrm	hyper	CHG	0.575
Gm19	49225624	49225849	Gmdrm	hyper	CHG	0.025
Gm19	49279660	49279920	Gmdrm	hyper	CHG	0.0517
Gm19	49315193	49315461	Gmdrm	hyper	CHG	0.0678
Gm19	49534966	49535189	Gmdrm	hyper	CHG	0.04
Gm19	49535552	49535735	Gmdrm	hyper	CHG	0.03
Gm19	49543478	49543581	Gmdrm	hyper	CHG	0.074
Gm19	49777830	49778123	Gmdrm	hyper	CHG	0.308
Gm19	49900840	49900882	Gmdrm	hyper	CHG	0.058
Gm19	49909529	49909843	Gmdrm	hyper	CHG	0.0312

Gm19	49979273	49979789	Gmdrm	hyper	CHG	0.0455
Gm19	50060211	50060402	Gmdrm	hyper	CHG	0.0371
Gm19	50097252	50097353	Gmdrm	hyper	CHG	0.0467
Gm19	50117299	50117540	Gmdrm	hyper	CHG	0.0691
Gm19	50189114	50189160	Gmdrm	hyper	CHG	0.026
Gm19	50313156	50313465	Gmdrm	hyper	CHG	0.038
Gm19	50352533	50352993	Gmdrm	hyper	CHG	0.0633
Gm19	50440442	50440637	Gmdrm	hyper	CHG	0.1343
Gm19	50477144	50477299	Gmdrm	hyper	CHG	0.04
Gm19	50509193	50509285	Gmdrm	hyper	CHG	0.05
Gm19	50646542	50646704	Gmdrm	hyper	CHG	0.0371
Gm19	50696268	50696315	Gmdrm	hyper	CHG	0.062
Gm19	50935508	50935764	Gmdrm	hyper	CHG	0.0486
Gm19	51086427	51086685	Gmdrm	hyper	CHG	0.0457
Gm19	51129681	51129871	Gmdrm	hyper	CHG	0.3182
Gm19	51140101	51140286	Gmdrm	hyper	CHG	0.065
Gm19	51159442	51159524	Gmdrm	hyper	CHG	0.5589
Gm19	51187969	51188126	Gmdrm	hyper	CHG	0.1831
Gm19	51188298	51189087	Gmdrm	hyper	CHG	0.2893
Gm19	51190344	51190941	Gmdrm	hyper	CHG	0.1761
Gm19	51206666	51207665	Gmdrm	hyper	CHG	0.244
Gm20	11158	11321	Gmdrm	hyper	CHG	0.058
Gm20	97074	97306	Gmdrm	hyper	CHG	0.11
Gm20	230478	231002	Gmdrm	hyper	CHG	0.0356
Gm20	278464	278673	Gmdrm	hyper	CHG	0.0611
Gm20	329882	330065	Gmdrm	hyper	CHG	0.1507
Gm20	330179	330369	Gmdrm	hyper	CHG	0.4212
Gm20	330482	331198	Gmdrm	hyper	CHG	0.2289
Gm20	350353	350515	Gmdrm	hyper	CHG	0.125
Gm20	359747	360019	Gmdrm	hyper	CHG	0.2292
Gm20	360171	360625	Gmdrm	hyper	CHG	0.1876
Gm20	390054	390147	Gmdrm	hyper	CHG	0.7445
Gm20	421054	421344	Gmdrm	hyper	CHG	0.0482
Gm20	438155	438213	Gmdrm	hyper	CHG	0.054
Gm20	515606	515735	Gmdrm	hyper	CHG	0.066
Gm20	542772	543017	Gmdrm	hyper	CHG	0.0243
Gm20	571036	571148	Gmdrm	hyper	CHG	0.05
Gm20	688827	689123	Gmdrm	hyper	CHG	0.0486
Gm20	718858	719193	Gmdrm	hyper	CHG	0.0389
Gm20	980908	981195	Gmdrm	hyper	CHG	0.0717
Gm20	991812	992010	Gmdrm	hyper	CHG	0.033
Gm20	1014003	1014275	Gmdrm	hyper	CHG	0.0337
Gm20	1110083	1111066	Gmdrm	hyper	CHG	0.1429
Gm20	1362326	1362626	Gmdrm	hyper	CHG	0.7428
Gm20	1362764	1363712	Gmdrm	hyper	CHG	0.6702
Gm20	1380195	1380402	Gmdrm	hyper	CHG	0.0417

Gm20	1396998	1397094	Gmdrm	hyper	CHG	0.0713
Gm20	1402650	1402817	Gmdrm	hyper	CHG	0.0374
Gm20	1438994	1439105	Gmdrm	hyper	CHG	0.056
Gm20	1477068	1477632	Gmdrm	hyper	CHG	0.4531
Gm20	1477753	1478403	Gmdrm	hyper	CHG	0.2126
Gm20	1532509	1533071	Gmdrm	hyper	CHG	0.2516
Gm20	1533192	1533744	Gmdrm	hyper	CHG	0.8021
Gm20	1533888	1534275	Gmdrm	hyper	CHG	0.7114
Gm20	1534464	1534689	Gmdrm	hyper	CHG	0.5683
Gm20	1710745	1711147	Gmdrm	hyper	CHG	0.05
Gm20	1768188	1768230	Gmdrm	hyper	CHG	0.1484
Gm20	2684796	2685631	Gmdrm	hyper	CHG	0.3156
Gm20	2786321	2786545	Gmdrm	hyper	CHG	0.0433
Gm20	2787463	2787737	Gmdrm	hyper	CHG	0.0443
Gm20	2897675	2897788	Gmdrm	hyper	CHG	0.0325
Gm20	2970914	2970970	Gmdrm	hyper	CHG	0.2466
Gm20	2971075	2971122	Gmdrm	hyper	CHG	0.1533
Gm20	3000539	3000677	Gmdrm	hyper	CHG	0.0369
Gm20	3331117	3331488	Gmdrm	hyper	CHG	0.1292
Gm20	3375140	3375400	Gmdrm	hyper	CHG	0.3195
Gm20	3418724	3419039	Gmdrm	hyper	CHG	0.2229
Gm20	3436993	3437313	Gmdrm	hyper	CHG	0.0536
Gm20	3650653	3650865	Gmdrm	hyper	CHG	0.0475
Gm20	4038029	4038045	Gmdrm	hyper	CHG	0.35
Gm20	4460654	4460834	Gmdrm	hyper	CHG	0.0713
Gm20	4875821	4875865	Gmdrm	hyper	CHG	0.314
Gm20	5084361	5084609	Gmdrm	hyper	CHG	0.054
Gm20	5356076	5356554	Gmdrm	hyper	CHG	0.2328
Gm20	5978301	5978547	Gmdrm	hyper	CHG	0.3212
Gm20	6091036	6091087	Gmdrm	hyper	CHG	0.11
Gm20	6232933	6232997	Gmdrm	hyper	CHG	0.195
Gm20	6278933	6279075	Gmdrm	hyper	CHG	0.4234
Gm20	6355182	6355227	Gmdrm	hyper	CHG	0.034
Gm20	6634184	6634457	Gmdrm	hyper	CHG	0.2118
Gm20	6693446	6693756	Gmdrm	hyper	CHG	0.1536
Gm20	6695051	6695456	Gmdrm	hyper	CHG	0.2081
Gm20	6697243	6697475	Gmdrm	hyper	CHG	0.2134
Gm20	6698431	6698700	Gmdrm	hyper	CHG	0.2456
Gm20	6699048	6699234	Gmdrm	hyper	CHG	0.1693
Gm20	7439661	7440033	Gmdrm	hyper	CHG	0.2436
Gm20	7492629	7492761	Gmdrm	hyper	CHG	0.235
Gm20	7510109	7510238	Gmdrm	hyper	CHG	0.05
Gm20	7713936	7714294	Gmdrm	hyper	CHG	0.026
Gm20	7959514	7960199	Gmdrm	hyper	CHG	0.1832
Gm20	7961239	7961603	Gmdrm	hyper	CHG	0.0718
Gm20	8149230	8149309	Gmdrm	hyper	CHG	0.2634

Gm20	8167311	8167346	Gmdrm	hyper	CHG	0.14
Gm20	8167474	8168073	Gmdrm	hyper	CHG	0.2184
Gm20	8169240	8169437	Gmdrm	hyper	CHG	0.1708
Gm20	8211961	8212356	Gmdrm	hyper	CHG	0.215
Gm20	8400791	8401377	Gmdrm	hyper	CHG	0.0961
Gm20	8406265	8406710	Gmdrm	hyper	CHG	0.1334
Gm20	8778979	8779287	Gmdrm	hyper	CHG	0.0388
Gm20	9103009	9103406	Gmdrm	hyper	CHG	0.4047
Gm20	9108023	9108343	Gmdrm	hyper	CHG	0.3178
Gm20	9108455	9108986	Gmdrm	hyper	CHG	0.2818
Gm20	9245340	9245562	Gmdrm	hyper	CHG	0.185
Gm20	9637630	9638028	Gmdrm	hyper	CHG	0.3238
Gm20	9638240	9638410	Gmdrm	hyper	CHG	0.3007
Gm20	9969466	9969716	Gmdrm	hyper	CHG	0.104
Gm20	9969895	9970160	Gmdrm	hyper	CHG	0.0587
Gm20	10083102	10083166	Gmdrm	hyper	CHG	0.3767
Gm20	10802247	10802311	Gmdrm	hyper	CHG	0.285
Gm20	11351112	11351536	Gmdrm	hyper	CHG	0.2
Gm20	11493847	11494283	Gmdrm	hyper	CHG	0.0595
Gm20	11655886	11655990	Gmdrm	hyper	CHG	0.26
Gm20	11764074	11764270	Gmdrm	hyper	CHG	0.1631
Gm20	11905689	11905906	Gmdrm	hyper	CHG	0.1175
Gm20	11918812	11919040	Gmdrm	hyper	CHG	0.102
Gm20	11920723	11921355	Gmdrm	hyper	CHG	0.2345
Gm20	12263368	12263412	Gmdrm	hyper	CHG	0.0416
Gm20	12291965	12292080	Gmdrm	hyper	CHG	0.1487
Gm20	12401446	12401644	Gmdrm	hyper	CHG	0.0566
Gm20	12401993	12402313	Gmdrm	hyper	CHG	0.0278
Gm20	12554436	12554750	Gmdrm	hyper	CHG	0.4243
Gm20	12805570	12805925	Gmdrm	hyper	CHG	0.0329
Gm20	12834583	12834622	Gmdrm	hyper	CHG	0.4237
Gm20	12836269	12836921	Gmdrm	hyper	CHG	0.0846
Gm20	12966964	12967071	Gmdrm	hyper	CHG	0.1525
Gm20	13187653	13188135	Gmdrm	hyper	CHG	0.2032
Gm20	13190973	13191968	Gmdrm	hyper	CHG	0.1592
Gm20	13197887	13198722	Gmdrm	hyper	CHG	0.1848
Gm20	13207537	13207754	Gmdrm	hyper	CHG	0.4332
Gm20	13531824	13531958	Gmdrm	hyper	CHG	0.0457
Gm20	13787242	13787589	Gmdrm	hyper	CHG	0.2663
Gm20	14509489	14509826	Gmdrm	hyper	CHG	0.1469
Gm20	14775058	14776028	Gmdrm	hyper	CHG	0.0906
Gm20	14812211	14813192	Gmdrm	hyper	CHG	0.11
Gm20	14822406	14822515	Gmdrm	hyper	CHG	0.3243
Gm20	15030574	15030898	Gmdrm	hyper	CHG	0.1147
Gm20	15716328	15716366	Gmdrm	hyper	CHG	0.104
Gm20	15732840	15733615	Gmdrm	hyper	CHG	0.206

Gm20	16808374	16808793	Gmdrm	hyper	CHG	0.2309
Gm20	16815587	16815983	Gmdrm	hyper	CHG	0.1823
Gm20	17703364	17703972	Gmdrm	hyper	CHG	0.2044
Gm20	17710034	17710238	Gmdrm	hyper	CHG	0.0684
Gm20	18383449	18383643	Gmdrm	hyper	CHG	0.05
Gm20	18387547	18387922	Gmdrm	hyper	CHG	0.0638
Gm20	18919867	18919889	Gmdrm	hyper	CHG	0.145
Gm20	19047968	19048180	Gmdrm	hyper	CHG	0.0277
Gm20	19050274	19050376	Gmdrm	hyper	CHG	0.1029
Gm20	19101412	19101543	Gmdrm	hyper	CHG	0.2019
Gm20	19316156	19316285	Gmdrm	hyper	CHG	0.2254
Gm20	19867993	19868085	Gmdrm	hyper	CHG	0.074
Gm20	20243950	20244008	Gmdrm	hyper	CHG	0.07
Gm20	20551994	20552764	Gmdrm	hyper	CHG	0.386
Gm20	21049310	21049467	Gmdrm	hyper	CHG	0.1592
Gm20	21200258	21200294	Gmdrm	hyper	CHG	0.18
Gm20	21934806	21935355	Gmdrm	hyper	CHG	0.1384
Gm20	21971370	21971714	Gmdrm	hyper	CHG	0.1179
Gm20	22049219	22049263	Gmdrm	hyper	CHG	0.093
Gm20	22211704	22211936	Gmdrm	hyper	CHG	0.1078
Gm20	23069173	23069296	Gmdrm	hyper	CHG	0.1283
Gm20	23421483	23421848	Gmdrm	hyper	CHG	0.143
Gm20	23438384	23438653	Gmdrm	hyper	CHG	0.038
Gm20	23668163	23668187	Gmdrm	hyper	CHG	0.1733
Gm20	23865107	23865989	Gmdrm	hyper	CHG	0.0647
Gm20	24324284	24324636	Gmdrm	hyper	CHG	0.1345
Gm20	24324741	24324978	Gmdrm	hyper	CHG	0.331
Gm20	24404507	24404896	Gmdrm	hyper	CHG	0.1741
Gm20	24476776	24476883	Gmdrm	hyper	CHG	0.4067
Gm20	24533570	24534036	Gmdrm	hyper	CHG	0.1118
Gm20	24614050	24614139	Gmdrm	hyper	CHG	0.1314
Gm20	25027882	25028020	Gmdrm	hyper	CHG	0.0416
Gm20	25218474	25218581	Gmdrm	hyper	CHG	0.53
Gm20	25227700	25228691	Gmdrm	hyper	CHG	0.1453
Gm20	25239658	25239876	Gmdrm	hyper	CHG	0.0683
Gm20	25263930	25264900	Gmdrm	hyper	CHG	0.2055
Gm20	25271231	25271446	Gmdrm	hyper	CHG	0.233
Gm20	25271742	25271809	Gmdrm	hyper	CHG	0.2922
Gm20	25509020	25509122	Gmdrm	hyper	CHG	0.0277
Gm20	25510665	25510944	Gmdrm	hyper	CHG	0.044
Gm20	25515972	25516370	Gmdrm	hyper	CHG	0.334
Gm20	25594718	25594944	Gmdrm	hyper	CHG	0.3195
Gm20	25640944	25641123	Gmdrm	hyper	CHG	0.2189
Gm20	25757034	25757096	Gmdrm	hyper	CHG	0.08
Gm20	25852329	25852613	Gmdrm	hyper	CHG	0.4221
Gm20	25860326	25860622	Gmdrm	hyper	CHG	0.0759

Gm20	26254148	26254537	Gmdrm	hyper	CHG	0.1968
Gm20	26296731	26297129	Gmdrm	hyper	CHG	0.0739
Gm20	26357279	26357417	Gmdrm	hyper	CHG	0.622
Gm20	26841349	26841532	Gmdrm	hyper	CHG	0.224
Gm20	26993270	26993589	Gmdrm	hyper	CHG	0.091
Gm20	27360184	27361184	Gmdrm	hyper	CHG	0.1616
Gm20	27361194	27362193	Gmdrm	hyper	CHG	0.2177
Gm20	27366908	27366973	Gmdrm	hyper	CHG	0.038
Gm20	27373868	27374849	Gmdrm	hyper	CHG	0.282
Gm20	27374909	27375905	Gmdrm	hyper	CHG	0.1731
Gm20	27375967	27376948	Gmdrm	hyper	CHG	0.2453
Gm20	27377895	27378094	Gmdrm	hyper	CHG	0.1906
Gm20	27383479	27383810	Gmdrm	hyper	CHG	0.3911
Gm20	27384115	27384237	Gmdrm	hyper	CHG	0.375
Gm20	27384554	27385224	Gmdrm	hyper	CHG	0.2115
Gm20	27386184	27386525	Gmdrm	hyper	CHG	0.335
Gm20	27387376	27388328	Gmdrm	hyper	CHG	0.1867
Gm20	27558823	27558869	Gmdrm	hyper	CHG	0.046
Gm20	27678179	27678765	Gmdrm	hyper	CHG	0.1889
Gm20	27736966	27737246	Gmdrm	hyper	CHG	0.3206
Gm20	27744183	27744465	Gmdrm	hyper	CHG	0.2153
Gm20	27991376	27991883	Gmdrm	hyper	CHG	0.1896
Gm20	27998327	27998377	Gmdrm	hyper	CHG	0.6426
Gm20	28220669	28220800	Gmdrm	hyper	CHG	0.2929
Gm20	28306064	28306418	Gmdrm	hyper	CHG	0.5153
Gm20	28306526	28306624	Gmdrm	hyper	CHG	0.5625
Gm20	28306761	28307175	Gmdrm	hyper	CHG	0.4674
Gm20	28384895	28384999	Gmdrm	hyper	CHG	0.1483
Gm20	28392744	28393114	Gmdrm	hyper	CHG	0.4264
Gm20	28816658	28817035	Gmdrm	hyper	CHG	0.3609
Gm20	29197429	29197703	Gmdrm	hyper	CHG	0.2567
Gm20	29903637	29903842	Gmdrm	hyper	CHG	0.0717
Gm20	29907380	29907466	Gmdrm	hyper	CHG	0.19
Gm20	29938634	29938689	Gmdrm	hyper	CHG	0.4166
Gm20	30380093	30380512	Gmdrm	hyper	CHG	0.3112
Gm20	30704705	30704882	Gmdrm	hyper	CHG	0.09
Gm20	30722387	30722807	Gmdrm	hyper	CHG	0.0427
Gm20	30767336	30767539	Gmdrm	hyper	CHG	0.0683
Gm20	31355200	31355286	Gmdrm	hyper	CHG	0.2156
Gm20	31538776	31538950	Gmdrm	hyper	CHG	0.042
Gm20	31731860	31732227	Gmdrm	hyper	CHG	0.253
Gm20	31874286	31874949	Gmdrm	hyper	CHG	0.103
Gm20	32041584	32041690	Gmdrm	hyper	CHG	0.8167
Gm20	32041797	32041890	Gmdrm	hyper	CHG	0.6567
Gm20	32042124	32042356	Gmdrm	hyper	CHG	0.4556
Gm20	32140619	32141205	Gmdrm	hyper	CHG	0.3597

Gm20	32403624	32403921	Gmdrm	hyper	CHG	0.2015
Gm20	32484284	32484346	Gmdrm	hyper	CHG	0.0457
Gm20	32609128	32609219	Gmdrm	hyper	CHG	0.058
Gm20	33413037	33413320	Gmdrm	hyper	CHG	0.0378
Gm20	33757482	33757693	Gmdrm	hyper	CHG	0.0711
Gm20	33907705	33907817	Gmdrm	hyper	CHG	0.0583
Gm20	33998116	33998353	Gmdrm	hyper	CHG	0.0687
Gm20	34107935	34108194	Gmdrm	hyper	CHG	0.0771
Gm20	34280142	34280164	Gmdrm	hyper	CHG	0.048
Gm20	34294472	34294581	Gmdrm	hyper	CHG	0.085
Gm20	34428852	34429114	Gmdrm	hyper	CHG	0.0443
Gm20	34632874	34633067	Gmdrm	hyper	CHG	0.098
Gm20	34856632	34856799	Gmdrm	hyper	CHG	0.048
Gm20	34899262	34899331	Gmdrm	hyper	CHG	0.138
Gm20	35054906	35055001	Gmdrm	hyper	CHG	0.12
Gm20	35180433	35180631	Gmdrm	hyper	CHG	0.042
Gm20	35273253	35273325	Gmdrm	hyper	CHG	0.092
Gm20	35566385	35567241	Gmdrm	hyper	CHG	0.0235
Gm20	35814401	35814931	Gmdrm	hyper	CHG	0.0528
Gm20	35821753	35821896	Gmdrm	hyper	CHG	0.0484
Gm20	35984892	35985016	Gmdrm	hyper	CHG	0.0322
Gm20	35993981	35994124	Gmdrm	hyper	CHG	0.0567
Gm20	36031914	36032888	Gmdrm	hyper	CHG	0.1795
Gm20	36034778	36035562	Gmdrm	hyper	CHG	0.1572
Gm20	36036490	36037351	Gmdrm	hyper	CHG	0.1719
Gm20	36040402	36040837	Gmdrm	hyper	CHG	0.0315
Gm20	36124221	36124339	Gmdrm	hyper	CHG	0.07
Gm20	36239141	36239366	Gmdrm	hyper	CHG	0.06
Gm20	36243214	36243286	Gmdrm	hyper	CHG	0.036
Gm20	36334057	36334288	Gmdrm	hyper	CHG	0.039
Gm20	36419640	36419877	Gmdrm	hyper	CHG	0.0278
Gm20	36509993	36510176	Gmdrm	hyper	CHG	0.0983
Gm20	36798276	36798630	Gmdrm	hyper	CHG	0.0312
Gm20	36805204	36805360	Gmdrm	hyper	CHG	0.0475
Gm20	36815681	36815757	Gmdrm	hyper	CHG	0.046
Gm20	37048797	37048874	Gmdrm	hyper	CHG	0.0325
Gm20	37109322	37109544	Gmdrm	hyper	CHG	0.056
Gm20	37115571	37115755	Gmdrm	hyper	CHG	0.042
Gm20	37117671	37117883	Gmdrm	hyper	CHG	0.0566
Gm20	37262129	37262450	Gmdrm	hyper	CHG	0.1047
Gm20	37270195	37270479	Gmdrm	hyper	CHG	0.0255
Gm20	37275198	37275393	Gmdrm	hyper	CHG	0.046
Gm20	37306814	37306884	Gmdrm	hyper	CHG	0.042
Gm20	37380278	37380649	Gmdrm	hyper	CHG	0.0322
Gm20	37390569	37390660	Gmdrm	hyper	CHG	0.062
Gm20	37402453	37402577	Gmdrm	hyper	CHG	0.045

Gm20	37430050	37430116	Gmdrm	hyper	CHG	0.1238
Gm20	37696627	37696914	Gmdrm	hyper	CHG	0.064
Gm20	37757902	37758455	Gmdrm	hyper	CHG	0.2618
Gm20	37882367	37882712	Gmdrm	hyper	CHG	0.0282
Gm20	37897445	37897623	Gmdrm	hyper	CHG	0.0583
Gm20	38057662	38057767	Gmdrm	hyper	CHG	0.052
Gm20	38118207	38118352	Gmdrm	hyper	CHG	0.05
Gm20	38118501	38118654	Gmdrm	hyper	CHG	0.048
Gm20	38182335	38182702	Gmdrm	hyper	CHG	0.035
Gm20	38309686	38309817	Gmdrm	hyper	CHG	0.0555
Gm20	38406602	38407105	Gmdrm	hyper	CHG	0.121
Gm20	38610991	38611224	Gmdrm	hyper	CHG	0.032
Gm20	38632903	38633645	Gmdrm	hyper	CHG	0.149
Gm20	38636853	38636954	Gmdrm	hyper	CHG	0.4778
Gm20	38699895	38699996	Gmdrm	hyper	CHG	0.064
Gm20	38736036	38736132	Gmdrm	hyper	CHG	0.042
Gm20	38792382	38792500	Gmdrm	hyper	CHG	0.16
Gm20	39095681	39095812	Gmdrm	hyper	CHG	0.048
Gm20	39223323	39223746	Gmdrm	hyper	CHG	0.1807
Gm20	39265172	39265455	Gmdrm	hyper	CHG	0.0383
Gm20	39276809	39276892	Gmdrm	hyper	CHG	0.0613
Gm20	39351443	39351669	Gmdrm	hyper	CHG	0.0562
Gm20	39501264	39501443	Gmdrm	hyper	CHG	0.0357
Gm20	39608257	39608435	Gmdrm	hyper	CHG	0.04
Gm20	39619933	39620116	Gmdrm	hyper	CHG	0.0633
Gm20	39804712	39804947	Gmdrm	hyper	CHG	0.033
Gm20	39897538	39897846	Gmdrm	hyper	CHG	0.0355
Gm20	39937081	39937205	Gmdrm	hyper	CHG	0.058
Gm20	39967527	39967904	Gmdrm	hyper	CHG	0.042
Gm20	40018061	40018172	Gmdrm	hyper	CHG	0.0467
Gm20	40108616	40108911	Gmdrm	hyper	CHG	0.0714
Gm20	40147623	40147782	Gmdrm	hyper	CHG	0.14
Gm20	40306351	40306558	Gmdrm	hyper	CHG	0.0329
Gm20	40390949	40391161	Gmdrm	hyper	CHG	0.0484
Gm20	40485327	40485586	Gmdrm	hyper	CHG	0.05
Gm20	40578440	40578755	Gmdrm	hyper	CHG	0.056
Gm20	40677118	40677479	Gmdrm	hyper	CHG	0.0623
Gm20	40726696	40726837	Gmdrm	hyper	CHG	0.4884
Gm20	40730377	40730426	Gmdrm	hyper	CHG	0.4083
Gm20	40736508	40737227	Gmdrm	hyper	CHG	0.2191
Gm20	40760713	40760790	Gmdrm	hyper	CHG	0.032
Gm20	40911103	40911175	Gmdrm	hyper	CHG	0.5785
Gm20	40947077	40947255	Gmdrm	hyper	CHG	0.024
Gm20	40963987	40964075	Gmdrm	hyper	CHG	0.134
Gm20	41018050	41018311	Gmdrm	hyper	CHG	0.0443
Gm20	41239801	41240215	Gmdrm	hyper	CHG	0.0284

Gm20	41333432	41333684	Gmdrm	hyper	CHG	0.0386
Gm20	41338780	41338840	Gmdrm	hyper	CHG	0.046
Gm20	41439356	41440125	Gmdrm	hyper	CHG	0.1871
Gm20	41452566	41452749	Gmdrm	hyper	CHG	0.026
Gm20	41457217	41457363	Gmdrm	hyper	CHG	0.0383
Gm20	41515492	41515519	Gmdrm	hyper	CHG	0.044
Gm20	41554176	41554347	Gmdrm	hyper	CHG	0.0612
Gm20	41675746	41675877	Gmdrm	hyper	CHG	0.048
Gm20	41735479	41735977	Gmdrm	hyper	CHG	0.0538
Gm20	42136694	42136993	Gmdrm	hyper	CHG	0.1152
Gm20	42206183	42206247	Gmdrm	hyper	CHG	0.104
Gm20	42376877	42376990	Gmdrm	hyper	CHG	0.0342
Gm20	42506056	42506214	Gmdrm	hyper	CHG	0.0433
Gm20	42588997	42589335	Gmdrm	hyper	CHG	0.07
Gm20	42711683	42711782	Gmdrm	hyper	CHG	0.048
Gm20	42792869	42792993	Gmdrm	hyper	CHG	0.0343
Gm20	42944489	42944610	Gmdrm	hyper	CHG	0.0683
Gm20	43011430	43011800	Gmdrm	hyper	CHG	0.03
Gm20	43011941	43012011	Gmdrm	hyper	CHG	0.0286
Gm20	43036398	43036729	Gmdrm	hyper	CHG	0.048
Gm20	43221590	43221754	Gmdrm	hyper	CHG	0.1177
Gm20	43231535	43231687	Gmdrm	hyper	CHG	0.0433
Gm20	43397468	43397649	Gmdrm	hyper	CHG	0.0317
Gm20	43409273	43409369	Gmdrm	hyper	CHG	0.04
Gm20	43411927	43412088	Gmdrm	hyper	CHG	0.035
Gm20	43672110	43672329	Gmdrm	hyper	CHG	0.0287
Gm20	43722630	43722941	Gmdrm	hyper	CHG	0.0416
Gm20	43898668	43898920	Gmdrm	hyper	CHG	0.0509
Gm20	43940053	43940223	Gmdrm	hyper	CHG	0.036
Gm20	43947689	43947928	Gmdrm	hyper	CHG	0.062
Gm20	43948120	43948321	Gmdrm	hyper	CHG	0.04
Gm20	44092159	44092194	Gmdrm	hyper	CHG	0.038
Gm20	44161724	44161822	Gmdrm	hyper	CHG	0.084
Gm20	44193957	44194055	Gmdrm	hyper	CHG	0.034
Gm20	44273258	44273370	Gmdrm	hyper	CHG	0.0317
Gm20	44383361	44384300	Gmdrm	hyper	CHG	0.607
Gm20	44543789	44543875	Gmdrm	hyper	CHG	0.04
Gm20	44571706	44571790	Gmdrm	hyper	CHG	0.046
Gm20	44756333	44756769	Gmdrm	hyper	CHG	0.065
Gm20	44768700	44768843	Gmdrm	hyper	CHG	0.0567
Gm20	44874899	44875055	Gmdrm	hyper	CHG	0.0529
Gm20	45043061	45043203	Gmdrm	hyper	CHG	0.0443
Gm20	45052218	45052366	Gmdrm	hyper	CHG	0.075
Gm20	45221916	45222167	Gmdrm	hyper	CHG	0.04
Gm20	45287805	45287888	Gmdrm	hyper	CHG	0.07
Gm20	45318112	45318674	Gmdrm	hyper	CHG	0.0463

Gm20	45681346	45681645	Gmdrm	hyper	CHG	0.0414
Gm20	45955897	45955981	Gmdrm	hyper	CHG	0.032
Gm20	45972422	45972763	Gmdrm	hyper	CHG	0.0845
Gm20	46089194	46089631	Gmdrm	hyper	CHG	0.2163
Gm20	46108536	46108738	Gmdrm	hyper	CHG	0.046
Gm20	46212343	46212406	Gmdrm	hyper	CHG	0.048
Gm20	46212948	46213184	Gmdrm	hyper	CHG	0.2609
Gm20	46219887	46220030	Gmdrm	hyper	CHG	0.0529
Gm20	46228244	46228464	Gmdrm	hyper	CHG	0.0418
Gm20	46269994	46270564	Gmdrm	hyper	CHG	0.1438
Gm20	46283043	46283661	Gmdrm	hyper	CHG	0.0417
Gm20	46316726	46316844	Gmdrm	hyper	CHG	0.035
Gm20	46455312	46455507	Gmdrm	hyper	CHG	0.0483
Gm20	46674899	46675039	Gmdrm	hyper	CHG	0.1175
Gm20	46955334	46955786	Gmdrm	hyper	CHG	0.0393
Gm20	46956585	46956739	Gmdrm	hyper	CHG	0.048
Gm20	46970166	46970361	Gmdrm	hyper	CHG	0.045
Gm20	46994737	46994896	Gmdrm	hyper	CHG	0.046
Gm20	47067983	47068281	Gmdrm	hyper	CHG	0.0288
Gm20	47166482	47166742	Gmdrm	hyper	CHG	0.0725
Gm20	47184954	47185290	Gmdrm	hyper	CHG	0.0266
Gm20	47210650	47210878	Gmdrm	hyper	CHG	0.0645
Gm20	47238584	47238750	Gmdrm	hyper	CHG	0.0416
Gm20	47296863	47297094	Gmdrm	hyper	CHG	0.05
Gm20	47302018	47302344	Gmdrm	hyper	CHG	0.0543
Gm20	47334293	47334499	Gmdrm	hyper	CHG	0.0438
Gm20	47335707	47335942	Gmdrm	hyper	CHG	0.0528
Gm20	47377240	47377473	Gmdrm	hyper	CHG	0.0443
Gm20	47409835	47409961	Gmdrm	hyper	CHG	0.03
Gm20	47436141	47437140	Gmdrm	hyper	CHG	0.2129
Gm20	47437160	47437703	Gmdrm	hyper	CHG	0.2105
Gm20	47441763	47441943	Gmdrm	hyper	CHG	0.078
Gm20	47526858	47527581	Gmdrm	hyper	CHG	0.0495
Gm20	47748012	47748045	Gmdrm	hyper	CHG	0.1283
Gm20	47756146	47756412	Gmdrm	hyper	CHG	0.035
scaffold_109	4675	5311	Gmdrm	hyper	CHG	0.2433
scaffold_117	10043	10162	Gmdrm	hyper	CHG	0.084
scaffold_117	25063	25186	Gmdrm	hyper	CHG	0.142
scaffold_127	153	1122	Gmdrm	hyper	CHG	0.3044
scaffold_127	1168	1620	Gmdrm	hyper	CHG	0.1894
scaffold_127	2078	2445	Gmdrm	hyper	CHG	0.2518
scaffold_127	2825	3818	Gmdrm	hyper	CHG	0.2837
scaffold_127	4163	4710	Gmdrm	hyper	CHG	0.3238
scaffold_127	5040	5775	Gmdrm	hyper	CHG	0.1469
scaffold_127	5959	6289	Gmdrm	hyper	CHG	0.3223
scaffold_127	6436	7283	Gmdrm	hyper	CHG	0.2962

scaffold_127	10408	10468 Gmdrm	hyper	CHG	0.2984
scaffold_127	26878	27875 Gmdrm	hyper	CHG	0.2024
scaffold_127	27883	28863 Gmdrm	hyper	CHG	0.2006
scaffold_127	28884	29868 Gmdrm	hyper	CHG	0.1547
scaffold_127	30042	31015 Gmdrm	hyper	CHG	0.2003
scaffold_127	31056	31746 Gmdrm	hyper	CHG	0.2043
scaffold_127	32175	33171 Gmdrm	hyper	CHG	0.2244
scaffold_127	33209	34140 Gmdrm	hyper	CHG	0.2251
scaffold_127	34217	34544 Gmdrm	hyper	CHG	0.2965
scaffold_127	34767	35732 Gmdrm	hyper	CHG	0.2134
scaffold_127	35772	36744 Gmdrm	hyper	CHG	0.1576
scaffold_127	37108	38070 Gmdrm	hyper	CHG	0.1878
scaffold_127	38116	39081 Gmdrm	hyper	CHG	0.1497
scaffold_127	39165	40100 Gmdrm	hyper	CHG	0.2464
scaffold_127	41370	42359 Gmdrm	hyper	CHG	0.1759
scaffold_127	43206	44177 Gmdrm	hyper	CHG	0.145
scaffold_127	44215	44769 Gmdrm	hyper	CHG	0.27
scaffold_127	45198	46185 Gmdrm	hyper	CHG	0.1397
scaffold_127	54781	55516 Gmdrm	hyper	CHG	0.1978
scaffold_127	55930	56239 Gmdrm	hyper	CHG	0.2882
scaffold_127	56981	57668 Gmdrm	hyper	CHG	0.135
scaffold_127	57946	58396 Gmdrm	hyper	CHG	0.1946
scaffold_140	45019	45481 Gmdrm	hyper	CHG	0.1771
scaffold_143	13899	14559 Gmdrm	hyper	CHG	0.3051
scaffold_152	5625	6234 Gmdrm	hyper	CHG	0.0967
scaffold_22	9819	9993 Gmdrm	hyper	CHG	0.2444
scaffold_22	469364	469452 Gmdrm	hyper	CHG	0.4883
scaffold_224	6246	6417 Gmdrm	hyper	CHG	0.0936
scaffold_250	17333	17396 Gmdrm	hyper	CHG	0.0567
scaffold_250	17527	17648 Gmdrm	hyper	CHG	0.054
scaffold_271	12614	13030 Gmdrm	hyper	CHG	0.3975
scaffold_294	4670	4968 Gmdrm	hyper	CHG	0.2464
scaffold_31	14793	15760 Gmdrm	hyper	CHG	0.3221
scaffold_31	93048	93217 Gmdrm	hyper	CHG	0.082
scaffold_31	113865	114124 Gmdrm	hyper	CHG	0.169
scaffold_31	136986	137920 Gmdrm	hyper	CHG	0.103
scaffold_31	138046	138342 Gmdrm	hyper	CHG	0.0755
scaffold_31	159281	159845 Gmdrm	hyper	CHG	0.0733
scaffold_31	173959	174281 Gmdrm	hyper	CHG	0.23
scaffold_32	276370	276829 Gmdrm	hyper	CHG	0.1938
scaffold_330	3425	3860 Gmdrm	hyper	CHG	0.1911
scaffold_330	7887	7940 Gmdrm	hyper	CHG	0.2083
scaffold_34	36365	36528 Gmdrm	hyper	CHG	0.25
scaffold_34	164502	164677 Gmdrm	hyper	CHG	0.2875
scaffold_34	219817	220147 Gmdrm	hyper	CHG	0.2045
scaffold_36	14347	14659 Gmdrm	hyper	CHG	0.1481

scaffold_36	70646	71298	Gmdrm	hyper	CHG	0.1759
scaffold_36	130473	131461	Gmdrm	hyper	CHG	0.1678
scaffold_36	131483	132415	Gmdrm	hyper	CHG	0.2494
scaffold_36	140106	140528	Gmdrm	hyper	CHG	0.26
scaffold_36	140658	141631	Gmdrm	hyper	CHG	0.2656
scaffold_36	166464	166862	Gmdrm	hyper	CHG	0.2216
scaffold_36	170650	171554	Gmdrm	hyper	CHG	0.3195
scaffold_36	171778	172355	Gmdrm	hyper	CHG	0.2322
scaffold_36	173024	173300	Gmdrm	hyper	CHG	0.3619
scaffold_36	177056	177383	Gmdrm	hyper	CHG	0.56
scaffold_36	178813	179168	Gmdrm	hyper	CHG	0.2671
scaffold_36	179865	180835	Gmdrm	hyper	CHG	0.241
scaffold_36	180876	181257	Gmdrm	hyper	CHG	0.3221
scaffold_36	182255	182807	Gmdrm	hyper	CHG	0.299
scaffold_36	183319	184285	Gmdrm	hyper	CHG	0.2649
scaffold_36	185573	185949	Gmdrm	hyper	CHG	0.4129
scaffold_36	187512	187735	Gmdrm	hyper	CHG	0.4693
scaffold_36	188149	188425	Gmdrm	hyper	CHG	0.388
scaffold_36	188604	189204	Gmdrm	hyper	CHG	0.3819
scaffold_36	190350	191320	Gmdrm	hyper	CHG	0.2633
scaffold_36	191361	192018	Gmdrm	hyper	CHG	0.2914
scaffold_36	193517	193977	Gmdrm	hyper	CHG	0.2375
scaffold_36	194761	195004	Gmdrm	hyper	CHG	0.4157
scaffold_36	195272	195594	Gmdrm	hyper	CHG	0.2856
scaffold_36	196463	197429	Gmdrm	hyper	CHG	0.3595
scaffold_36	197470	197851	Gmdrm	hyper	CHG	0.4222
scaffold_36	198324	198928	Gmdrm	hyper	CHG	0.2903
scaffold_36	199209	199669	Gmdrm	hyper	CHG	0.2923
scaffold_36	203220	203840	Gmdrm	hyper	CHG	0.3735
scaffold_36	204512	204851	Gmdrm	hyper	CHG	0.2384
scaffold_36	205595	205763	Gmdrm	hyper	CHG	0.3644
scaffold_36	206122	206435	Gmdrm	hyper	CHG	0.34
scaffold_36	206588	207575	Gmdrm	hyper	CHG	0.4605
scaffold_36	207619	208091	Gmdrm	hyper	CHG	0.3168
scaffold_36	211754	212535	Gmdrm	hyper	CHG	0.3996
scaffold_36	213133	213444	Gmdrm	hyper	CHG	0.4909
scaffold_36	230053	230374	Gmdrm	hyper	CHG	0.3106
scaffold_36	231803	232769	Gmdrm	hyper	CHG	0.419
scaffold_36	232810	233281	Gmdrm	hyper	CHG	0.4235
scaffold_36	233780	234511	Gmdrm	hyper	CHG	0.4113
scaffold_36	237309	238198	Gmdrm	hyper	CHG	0.2904
scaffold_36	238740	239255	Gmdrm	hyper	CHG	0.3781
scaffold_36	239946	240358	Gmdrm	hyper	CHG	0.1682
scaffold_36	242689	243163	Gmdrm	hyper	CHG	0.3861
scaffold_367	12917	13331	Gmdrm	hyper	CHG	0.1843
scaffold_37	118260	118326	Gmdrm	hyper	CHG	0.148

scaffold_37	176117	176415 Gmdrm	hyper	CHG	0.1541
scaffold_383	12568	12890 Gmdrm	hyper	CHG	0.24
scaffold_39	56377	56923 Gmdrm	hyper	CHG	0.1455
scaffold_39	63120	64119 Gmdrm	hyper	CHG	0.1439
scaffold_39	64139	65131 Gmdrm	hyper	CHG	0.1112
scaffold_39	85491	85966 Gmdrm	hyper	CHG	0.1405
scaffold_39	88991	89988 Gmdrm	hyper	CHG	0.1198
scaffold_39	99365	100096 Gmdrm	hyper	CHG	0.1203
scaffold_39	100285	101027 Gmdrm	hyper	CHG	0.1261
scaffold_39	106192	107187 Gmdrm	hyper	CHG	0.1231
scaffold_39	129128	129634 Gmdrm	hyper	CHG	0.1583
scaffold_401	4550	4623 Gmdrm	hyper	CHG	0.185
scaffold_43	41214	42214 Gmdrm	hyper	CHG	0.1029
scaffold_47	2345	3038 Gmdrm	hyper	CHG	0.1155
scaffold_47	3163	4162 Gmdrm	hyper	CHG	0.1512
scaffold_47	7484	8386 Gmdrm	hyper	CHG	0.1221
scaffold_47	47115	47438 Gmdrm	hyper	CHG	0.1967
scaffold_47	140920	141886 Gmdrm	hyper	CHG	0.0786
scaffold_484	8103	9017 Gmdrm	hyper	CHG	0.14
scaffold_501	5144	5712 Gmdrm	hyper	CHG	0.1666
scaffold_501	8933	9204 Gmdrm	hyper	CHG	0.2183
scaffold_51	123427	123599 Gmdrm	hyper	CHG	0.0986
scaffold_56	35252	35436 Gmdrm	hyper	CHG	0.2989
scaffold_60	5918	6879 Gmdrm	hyper	CHG	0.1283
scaffold_60	6922	7916 Gmdrm	hyper	CHG	0.1673
scaffold_60	7992	8990 Gmdrm	hyper	CHG	0.1002
scaffold_60	9018	9712 Gmdrm	hyper	CHG	0.2723
scaffold_60	11637	12576 Gmdrm	hyper	CHG	0.1568
scaffold_60	12969	13647 Gmdrm	hyper	CHG	0.2852
scaffold_60	13776	14083 Gmdrm	hyper	CHG	0.1778
scaffold_60	23756	24092 Gmdrm	hyper	CHG	0.1184
scaffold_60	31667	32654 Gmdrm	hyper	CHG	0.0478
scaffold_60	36666	37652 Gmdrm	hyper	CHG	0.0583
scaffold_60	39543	39980 Gmdrm	hyper	CHG	0.1342
scaffold_60	42796	43796 Gmdrm	hyper	CHG	0.1245
scaffold_60	53967	54496 Gmdrm	hyper	CHG	0.1206
scaffold_60	60377	60950 Gmdrm	hyper	CHG	0.1014
scaffold_60	73833	74813 Gmdrm	hyper	CHG	0.1433
scaffold_60	93624	93774 Gmdrm	hyper	CHG	0.2128
scaffold_60	96576	96663 Gmdrm	hyper	CHG	0.2833
scaffold_60	105796	106509 Gmdrm	hyper	CHG	0.2896
scaffold_60	128614	129066 Gmdrm	hyper	CHG	0.1594
scaffold_60	136443	137404 Gmdrm	hyper	CHG	0.1315
scaffold_83	36478	36701 Gmdrm	hyper	CHG	0.185
scaffold_83	72176	72410 Gmdrm	hyper	CHG	0.3113
Gm01	34167	35125 Gmdrm	hypo	CHG	-0.1851

Gm01	35168	36161 Gmdrm	hypo	CHG	-0.3693
Gm01	36178	36783 Gmdrm	hypo	CHG	-0.4593
Gm01	40048	41039 Gmdrm	hypo	CHG	-0.2333
Gm01	41140	42113 Gmdrm	hypo	CHG	-0.2151
Gm01	42371	42574 Gmdrm	hypo	CHG	-0.4122
Gm01	58087	58290 Gmdrm	hypo	CHG	-0.04
Gm01	78583	78654 Gmdrm	hypo	CHG	-0.5738
Gm01	93890	93967 Gmdrm	hypo	CHG	-0.3437
Gm01	99218	99527 Gmdrm	hypo	CHG	-0.04
Gm01	155008	155935 Gmdrm	hypo	CHG	-0.1106
Gm01	156365	156769 Gmdrm	hypo	CHG	-0.0879
Gm01	159492	160478 Gmdrm	hypo	CHG	-0.1505
Gm01	166305	166658 Gmdrm	hypo	CHG	-0.42
Gm01	171327	171998 Gmdrm	hypo	CHG	-0.1593
Gm01	173878	174250 Gmdrm	hypo	CHG	-0.1838
Gm01	180387	180842 Gmdrm	hypo	CHG	-0.2268
Gm01	188028	188191 Gmdrm	hypo	CHG	-0.072
Gm01	194324	194378 Gmdrm	hypo	CHG	-0.058
Gm01	198111	198432 Gmdrm	hypo	CHG	-0.2135
Gm01	215229	215387 Gmdrm	hypo	CHG	-0.3433
Gm01	245772	245896 Gmdrm	hypo	CHG	-0.802
Gm01	267946	268205 Gmdrm	hypo	CHG	-0.0329
Gm01	297126	297402 Gmdrm	hypo	CHG	-0.0554
Gm01	301473	301536 Gmdrm	hypo	CHG	-0.936
Gm01	301764	301961 Gmdrm	hypo	CHG	-0.855
Gm01	302417	302638 Gmdrm	hypo	CHG	-0.4313
Gm01	311513	311620 Gmdrm	hypo	CHG	-0.185
Gm01	334107	334510 Gmdrm	hypo	CHG	-0.1437
Gm01	354796	354977 Gmdrm	hypo	CHG	-0.47
Gm01	360516	360823 Gmdrm	hypo	CHG	-0.5527
Gm01	381500	381818 Gmdrm	hypo	CHG	-0.1738
Gm01	389498	389634 Gmdrm	hypo	CHG	-0.068
Gm01	389766	389914 Gmdrm	hypo	CHG	-0.069
Gm01	417576	417643 Gmdrm	hypo	CHG	-0.824
Gm01	430327	430510 Gmdrm	hypo	CHG	-0.0988
Gm01	454855	455050 Gmdrm	hypo	CHG	-0.275
Gm01	474267	474500 Gmdrm	hypo	CHG	-0.095
Gm01	512717	512744 Gmdrm	hypo	CHG	-0.135
Gm01	519136	519237 Gmdrm	hypo	CHG	-0.07
Gm01	519986	520127 Gmdrm	hypo	CHG	-0.1733
Gm01	521202	521523 Gmdrm	hypo	CHG	-0.3762
Gm01	534524	534626 Gmdrm	hypo	CHG	-0.7167
Gm01	536446	536575 Gmdrm	hypo	CHG	-0.026
Gm01	557569	557690 Gmdrm	hypo	CHG	-0.6758
Gm01	557831	558424 Gmdrm	hypo	CHG	-0.4444
Gm01	559023	559325 Gmdrm	hypo	CHG	-0.3326

Gm01	559449	559509	Gmdrm	hypo	CHG	-0.76
Gm01	559614	559652	Gmdrm	hypo	CHG	-0.72
Gm01	568592	569083	Gmdrm	hypo	CHG	-0.69
Gm01	591866	592217	Gmdrm	hypo	CHG	-0.055
Gm01	595018	595262	Gmdrm	hypo	CHG	-0.0566
Gm01	604553	604731	Gmdrm	hypo	CHG	-0.4254
Gm01	605434	605551	Gmdrm	hypo	CHG	-0.37
Gm01	616110	616619	Gmdrm	hypo	CHG	-0.743
Gm01	621889	622007	Gmdrm	hypo	CHG	-0.0383
Gm01	636300	636478	Gmdrm	hypo	CHG	-0.0617
Gm01	648400	648708	Gmdrm	hypo	CHG	-0.0354
Gm01	673626	674257	Gmdrm	hypo	CHG	-0.5854
Gm01	682860	682913	Gmdrm	hypo	CHG	-0.916
Gm01	684885	685308	Gmdrm	hypo	CHG	-0.0186
Gm01	693621	693707	Gmdrm	hypo	CHG	-0.3808
Gm01	693846	693923	Gmdrm	hypo	CHG	-0.6067
Gm01	694047	694160	Gmdrm	hypo	CHG	-0.6211
Gm01	694666	694773	Gmdrm	hypo	CHG	-0.5913
Gm01	705353	705494	Gmdrm	hypo	CHG	-0.5133
Gm01	705850	705945	Gmdrm	hypo	CHG	-0.64
Gm01	745586	745978	Gmdrm	hypo	CHG	-0.224
Gm01	761322	761541	Gmdrm	hypo	CHG	-0.1553
Gm01	785683	786421	Gmdrm	hypo	CHG	-0.0238
Gm01	796283	796370	Gmdrm	hypo	CHG	-0.6529
Gm01	796540	796773	Gmdrm	hypo	CHG	-0.7923
Gm01	797083	797121	Gmdrm	hypo	CHG	-0.074
Gm01	829718	830236	Gmdrm	hypo	CHG	-0.3424
Gm01	836482	836603	Gmdrm	hypo	CHG	-0.068
Gm01	852396	852709	Gmdrm	hypo	CHG	-0.056
Gm01	862733	862968	Gmdrm	hypo	CHG	-0.3933
Gm01	866422	866705	Gmdrm	hypo	CHG	-0.294
Gm01	874887	875305	Gmdrm	hypo	CHG	-0.0485
Gm01	891015	891099	Gmdrm	hypo	CHG	-0.69
Gm01	894197	894242	Gmdrm	hypo	CHG	-0.85
Gm01	895016	895171	Gmdrm	hypo	CHG	-0.47
Gm01	901564	901652	Gmdrm	hypo	CHG	-0.058
Gm01	904926	905106	Gmdrm	hypo	CHG	-0.589
Gm01	936195	936315	Gmdrm	hypo	CHG	-0.7833
Gm01	936771	936883	Gmdrm	hypo	CHG	-0.1371
Gm01	955084	955251	Gmdrm	hypo	CHG	-0.7258
Gm01	962597	963058	Gmdrm	hypo	CHG	-0.4042
Gm01	963704	963750	Gmdrm	hypo	CHG	-0.3837
Gm01	970067	970184	Gmdrm	hypo	CHG	-0.41
Gm01	1019646	1019687	Gmdrm	hypo	CHG	-0.0312
Gm01	1035577	1035874	Gmdrm	hypo	CHG	-0.0683
Gm01	1085895	1085974	Gmdrm	hypo	CHG	-0.4157

Gm01	1086297	1086408	Gmdrm	hypo	CHG	-0.036
Gm01	1087383	1087678	Gmdrm	hypo	CHG	-0.045
Gm01	1092912	1093157	Gmdrm	hypo	CHG	-0.054
Gm01	1115196	1115514	Gmdrm	hypo	CHG	-0.595
Gm01	1117002	1117135	Gmdrm	hypo	CHG	-0.5066
Gm01	1118270	1118310	Gmdrm	hypo	CHG	-0.0617
Gm01	1133599	1133653	Gmdrm	hypo	CHG	-0.8517
Gm01	1134116	1134265	Gmdrm	hypo	CHG	-0.5184
Gm01	1134586	1134720	Gmdrm	hypo	CHG	-0.3318
Gm01	1171118	1171160	Gmdrm	hypo	CHG	-0.3367
Gm01	1195275	1195421	Gmdrm	hypo	CHG	-0.06
Gm01	1217273	1217326	Gmdrm	hypo	CHG	-0.028
Gm01	1248288	1248491	Gmdrm	hypo	CHG	-0.0417
Gm01	1260195	1260243	Gmdrm	hypo	CHG	-0.885
Gm01	1260368	1260621	Gmdrm	hypo	CHG	-0.507
Gm01	1263979	1264134	Gmdrm	hypo	CHG	-0.5746
Gm01	1264396	1264754	Gmdrm	hypo	CHG	-0.6444
Gm01	1296709	1296824	Gmdrm	hypo	CHG	-0.455
Gm01	1299731	1299951	Gmdrm	hypo	CHG	-0.4476
Gm01	1300088	1300279	Gmdrm	hypo	CHG	-0.5316
Gm01	1310134	1310542	Gmdrm	hypo	CHG	-0.0328
Gm01	1337906	1338100	Gmdrm	hypo	CHG	-0.374
Gm01	1342148	1342325	Gmdrm	hypo	CHG	-0.05
Gm01	1342438	1342585	Gmdrm	hypo	CHG	-0.115
Gm01	1354812	1355205	Gmdrm	hypo	CHG	-0.0858
Gm01	1386341	1387318	Gmdrm	hypo	CHG	-0.3461
Gm01	1388018	1388664	Gmdrm	hypo	CHG	-0.1986
Gm01	1401687	1401839	Gmdrm	hypo	CHG	-0.4833
Gm01	1401945	1402013	Gmdrm	hypo	CHG	-0.252
Gm01	1403529	1403635	Gmdrm	hypo	CHG	-0.596
Gm01	1437418	1437498	Gmdrm	hypo	CHG	-0.0412
Gm01	1439335	1439805	Gmdrm	hypo	CHG	-0.1262
Gm01	1454599	1454681	Gmdrm	hypo	CHG	-0.2383
Gm01	1478796	1478907	Gmdrm	hypo	CHG	-0.03
Gm01	1495365	1495467	Gmdrm	hypo	CHG	-0.49
Gm01	1495871	1496026	Gmdrm	hypo	CHG	-0.06
Gm01	1507558	1507745	Gmdrm	hypo	CHG	-0.08
Gm01	1547132	1547307	Gmdrm	hypo	CHG	-0.57
Gm01	1547414	1547906	Gmdrm	hypo	CHG	-0.5219
Gm01	1559571	1559794	Gmdrm	hypo	CHG	-0.5391
Gm01	1583404	1583762	Gmdrm	hypo	CHG	-0.0299
Gm01	1590684	1590818	Gmdrm	hypo	CHG	-0.028
Gm01	1599283	1599597	Gmdrm	hypo	CHG	-0.2025
Gm01	1607769	1607964	Gmdrm	hypo	CHG	-0.7808
Gm01	1632963	1633149	Gmdrm	hypo	CHG	-0.5987
Gm01	1643622	1643777	Gmdrm	hypo	CHG	-0.054

Gm01	1654403	1654654	Gmdrm	hypo	CHG	-0.0334
Gm01	1662811	1662851	Gmdrm	hypo	CHG	-0.0783
Gm01	1664793	1664851	Gmdrm	hypo	CHG	-0.5333
Gm01	1698629	1698950	Gmdrm	hypo	CHG	-0.659
Gm01	1699098	1699397	Gmdrm	hypo	CHG	-0.4846
Gm01	1701054	1701196	Gmdrm	hypo	CHG	-0.335
Gm01	1709334	1709398	Gmdrm	hypo	CHG	-0.4728
Gm01	1709584	1709667	Gmdrm	hypo	CHG	-0.526
Gm01	1709801	1710135	Gmdrm	hypo	CHG	-0.6531
Gm01	1711691	1712153	Gmdrm	hypo	CHG	-0.4222
Gm01	1719895	1719951	Gmdrm	hypo	CHG	-0.0629
Gm01	1764661	1764889	Gmdrm	hypo	CHG	-0.025
Gm01	1777575	1777733	Gmdrm	hypo	CHG	-0.1227
Gm01	1795735	1795858	Gmdrm	hypo	CHG	-0.41
Gm01	1796661	1796740	Gmdrm	hypo	CHG	-0.6738
Gm01	1797001	1797290	Gmdrm	hypo	CHG	-0.5496
Gm01	1799569	1799704	Gmdrm	hypo	CHG	-0.4458
Gm01	1800057	1800164	Gmdrm	hypo	CHG	-0.489
Gm01	1839726	1839752	Gmdrm	hypo	CHG	-0.844
Gm01	1840100	1840383	Gmdrm	hypo	CHG	-0.7372
Gm01	1875178	1875300	Gmdrm	hypo	CHG	-0.2366
Gm01	1883213	1883369	Gmdrm	hypo	CHG	-0.048
Gm01	1901872	1901956	Gmdrm	hypo	CHG	-0.5733
Gm01	1905125	1905341	Gmdrm	hypo	CHG	-0.5963
Gm01	1905528	1905660	Gmdrm	hypo	CHG	-0.822
Gm01	1905828	1905953	Gmdrm	hypo	CHG	-0.6836
Gm01	1914113	1914995	Gmdrm	hypo	CHG	-0.2571
Gm01	1937551	1937705	Gmdrm	hypo	CHG	-0.8777
Gm01	1975777	1975856	Gmdrm	hypo	CHG	-0.044
Gm01	1989809	1990152	Gmdrm	hypo	CHG	-0.2436
Gm01	1991940	1992107	Gmdrm	hypo	CHG	-0.242
Gm01	1992838	1992974	Gmdrm	hypo	CHG	-0.3762
Gm01	1994369	1994831	Gmdrm	hypo	CHG	-0.3242
Gm01	2008698	2008861	Gmdrm	hypo	CHG	-0.054
Gm01	2009090	2009409	Gmdrm	hypo	CHG	-0.1034
Gm01	2012825	2013145	Gmdrm	hypo	CHG	-0.0571
Gm01	2025550	2025762	Gmdrm	hypo	CHG	-0.029
Gm01	2032152	2032345	Gmdrm	hypo	CHG	-0.0981
Gm01	2036502	2036961	Gmdrm	hypo	CHG	-0.2774
Gm01	2037752	2038132	Gmdrm	hypo	CHG	-0.6606
Gm01	2061994	2062195	Gmdrm	hypo	CHG	-0.0425
Gm01	2071195	2071613	Gmdrm	hypo	CHG	-0.1653
Gm01	2091926	2092043	Gmdrm	hypo	CHG	-0.4317
Gm01	2102968	2103416	Gmdrm	hypo	CHG	-0.626
Gm01	2124025	2124131	Gmdrm	hypo	CHG	-0.5429
Gm01	2132740	2132924	Gmdrm	hypo	CHG	-0.7

Gm01	2140747	2140806 Gmdrm	hypo	CHG	-0.32
Gm01	2156260	2156449 Gmdrm	hypo	CHG	-0.0483
Gm01	2185127	2185268 Gmdrm	hypo	CHG	-0.7063
Gm01	2187415	2187528 Gmdrm	hypo	CHG	-0.5016
Gm01	2196668	2196718 Gmdrm	hypo	CHG	-0.852
Gm01	2197820	2197932 Gmdrm	hypo	CHG	-0.0546
Gm01	2210770	2210877 Gmdrm	hypo	CHG	-0.606
Gm01	2235915	2236058 Gmdrm	hypo	CHG	-0.6675
Gm01	2236185	2236244 Gmdrm	hypo	CHG	-0.6729
Gm01	2238161	2238225 Gmdrm	hypo	CHG	-0.1317
Gm01	2238342	2238732 Gmdrm	hypo	CHG	-0.6416
Gm01	2239053	2239211 Gmdrm	hypo	CHG	-0.3589
Gm01	2239399	2239682 Gmdrm	hypo	CHG	-0.8095
Gm01	2253413	2253492 Gmdrm	hypo	CHG	-0.654
Gm01	2261097	2261162 Gmdrm	hypo	CHG	-0.88
Gm01	2261288	2261493 Gmdrm	hypo	CHG	-0.87
Gm01	2273454	2273567 Gmdrm	hypo	CHG	-0.485
Gm01	2275424	2276326 Gmdrm	hypo	CHG	-0.3469
Gm01	2296306	2296326 Gmdrm	hypo	CHG	-0.614
Gm01	2296433	2296497 Gmdrm	hypo	CHG	-0.225
Gm01	2320975	2321541 Gmdrm	hypo	CHG	-0.4153
Gm01	2321698	2322145 Gmdrm	hypo	CHG	-0.1711
Gm01	2324255	2324423 Gmdrm	hypo	CHG	-0.048
Gm01	2329362	2329539 Gmdrm	hypo	CHG	-0.0608
Gm01	2329881	2329930 Gmdrm	hypo	CHG	-0.682
Gm01	2342649	2342974 Gmdrm	hypo	CHG	-0.0373
Gm01	2364535	2364972 Gmdrm	hypo	CHG	-0.5275
Gm01	2365321	2365419 Gmdrm	hypo	CHG	-0.448
Gm01	2365734	2365791 Gmdrm	hypo	CHG	-0.338
Gm01	2368532	2368826 Gmdrm	hypo	CHG	-0.7976
Gm01	2368935	2369066 Gmdrm	hypo	CHG	-0.52
Gm01	2391055	2391113 Gmdrm	hypo	CHG	-0.0788
Gm01	2405538	2405853 Gmdrm	hypo	CHG	-0.1033
Gm01	2412734	2412960 Gmdrm	hypo	CHG	-0.3219
Gm01	2416116	2416402 Gmdrm	hypo	CHG	-0.2364
Gm01	2419178	2419460 Gmdrm	hypo	CHG	-0.035
Gm01	2424949	2425055 Gmdrm	hypo	CHG	-0.2287
Gm01	2426063	2426139 Gmdrm	hypo	CHG	-0.2225
Gm01	2430175	2430506 Gmdrm	hypo	CHG	-0.2632
Gm01	2430792	2431082 Gmdrm	hypo	CHG	-0.09
Gm01	2434137	2434386 Gmdrm	hypo	CHG	-0.6426
Gm01	2452790	2452967 Gmdrm	hypo	CHG	-0.741
Gm01	2453105	2453271 Gmdrm	hypo	CHG	-0.6938
Gm01	2456086	2456540 Gmdrm	hypo	CHG	-0.4338
Gm01	2456978	2457096 Gmdrm	hypo	CHG	-0.4466
Gm01	2457343	2457545 Gmdrm	hypo	CHG	-0.07

Gm01	2474269	2474410 Gmdrm	hypo	CHG	-0.3436
Gm01	2476856	2477446 Gmdrm	hypo	CHG	-0.4233
Gm01	2477552	2477813 Gmdrm	hypo	CHG	-0.0733
Gm01	2478798	2478981 Gmdrm	hypo	CHG	-0.143
Gm01	2481759	2481895 Gmdrm	hypo	CHG	-0.1854
Gm01	2496686	2496934 Gmdrm	hypo	CHG	-0.6655
Gm01	2501288	2501426 Gmdrm	hypo	CHG	-0.6899
Gm01	2501868	2502065 Gmdrm	hypo	CHG	-0.7891
Gm01	2502195	2502500 Gmdrm	hypo	CHG	-0.6619
Gm01	2509559	2509726 Gmdrm	hypo	CHG	-0.4386
Gm01	2509873	2509950 Gmdrm	hypo	CHG	-0.865
Gm01	2510220	2510338 Gmdrm	hypo	CHG	-0.4029
Gm01	2518815	2519706 Gmdrm	hypo	CHG	-0.1927
Gm01	2521139	2521211 Gmdrm	hypo	CHG	-0.5514
Gm01	2531581	2531697 Gmdrm	hypo	CHG	-0.624
Gm01	2534424	2534622 Gmdrm	hypo	CHG	-0.55
Gm01	2535395	2535444 Gmdrm	hypo	CHG	-0.3483
Gm01	2535905	2535975 Gmdrm	hypo	CHG	-0.3228
Gm01	2552596	2553203 Gmdrm	hypo	CHG	-0.1491
Gm01	2565236	2565389 Gmdrm	hypo	CHG	-0.7867
Gm01	2565509	2565871 Gmdrm	hypo	CHG	-0.432
Gm01	2565975	2566146 Gmdrm	hypo	CHG	-0.711
Gm01	2567912	2568063 Gmdrm	hypo	CHG	-0.048
Gm01	2603890	2604041 Gmdrm	hypo	CHG	-0.5467
Gm01	2605822	2605984 Gmdrm	hypo	CHG	-0.7308
Gm01	2606161	2606574 Gmdrm	hypo	CHG	-0.456
Gm01	2614180	2614349 Gmdrm	hypo	CHG	-0.43
Gm01	2622037	2622212 Gmdrm	hypo	CHG	-0.5409
Gm01	2641143	2641337 Gmdrm	hypo	CHG	-0.0583
Gm01	2642254	2642405 Gmdrm	hypo	CHG	-0.526
Gm01	2644642	2644719 Gmdrm	hypo	CHG	-0.8988
Gm01	2649633	2649703 Gmdrm	hypo	CHG	-0.0517
Gm01	2670484	2670609 Gmdrm	hypo	CHG	-0.5278
Gm01	2673820	2673946 Gmdrm	hypo	CHG	-0.63
Gm01	2674998	2675116 Gmdrm	hypo	CHG	-0.3534
Gm01	2681238	2681538 Gmdrm	hypo	CHG	-0.7313
Gm01	2689328	2689496 Gmdrm	hypo	CHG	-0.4542
Gm01	2694223	2694325 Gmdrm	hypo	CHG	-0.036
Gm01	2707528	2708213 Gmdrm	hypo	CHG	-0.6018
Gm01	2710922	2711090 Gmdrm	hypo	CHG	-0.2075
Gm01	2719227	2719433 Gmdrm	hypo	CHG	-0.5544
Gm01	2726675	2726922 Gmdrm	hypo	CHG	-0.5557
Gm01	2734400	2734680 Gmdrm	hypo	CHG	-0.1316
Gm01	2742114	2742228 Gmdrm	hypo	CHG	-0.718
Gm01	2742885	2742899 Gmdrm	hypo	CHG	-0.4667
Gm01	2756007	2756095 Gmdrm	hypo	CHG	-0.14

Gm01	2756782	2757240	Gmdrm	hypo	CHG	-0.5979
Gm01	2771528	2771596	Gmdrm	hypo	CHG	-0.7076
Gm01	2796002	2796104	Gmdrm	hypo	CHG	-0.4842
Gm01	2804278	2804464	Gmdrm	hypo	CHG	-0.0444
Gm01	2808655	2808736	Gmdrm	hypo	CHG	-0.3871
Gm01	2843940	2844029	Gmdrm	hypo	CHG	-0.614
Gm01	2876585	2876738	Gmdrm	hypo	CHG	-0.6025
Gm01	2896099	2896199	Gmdrm	hypo	CHG	-0.032
Gm01	2914431	2914488	Gmdrm	hypo	CHG	-0.4063
Gm01	2919684	2919978	Gmdrm	hypo	CHG	-0.0417
Gm01	2930450	2930713	Gmdrm	hypo	CHG	-0.4156
Gm01	2935759	2935937	Gmdrm	hypo	CHG	-0.044
Gm01	2936698	2937317	Gmdrm	hypo	CHG	-0.0413
Gm01	2938272	2938321	Gmdrm	hypo	CHG	-0.1467
Gm01	2949356	2949596	Gmdrm	hypo	CHG	-0.0973
Gm01	2949708	2949936	Gmdrm	hypo	CHG	-0.5235
Gm01	2996593	2997110	Gmdrm	hypo	CHG	-0.5072
Gm01	3011696	3011845	Gmdrm	hypo	CHG	-0.6158
Gm01	3014067	3014158	Gmdrm	hypo	CHG	-0.4543
Gm01	3017713	3018029	Gmdrm	hypo	CHG	-0.1326
Gm01	3024526	3024876	Gmdrm	hypo	CHG	-0.4378
Gm01	3025093	3025404	Gmdrm	hypo	CHG	-0.8844
Gm01	3034746	3034822	Gmdrm	hypo	CHG	-0.818
Gm01	3038388	3038508	Gmdrm	hypo	CHG	-0.3125
Gm01	3058716	3058847	Gmdrm	hypo	CHG	-0.5783
Gm01	3061616	3061755	Gmdrm	hypo	CHG	-0.3384
Gm01	3064526	3064635	Gmdrm	hypo	CHG	-0.05
Gm01	3104692	3104818	Gmdrm	hypo	CHG	-0.8028
Gm01	3113301	3113695	Gmdrm	hypo	CHG	-0.545
Gm01	3113863	3114296	Gmdrm	hypo	CHG	-0.6927
Gm01	3116909	3117042	Gmdrm	hypo	CHG	-0.5337
Gm01	3125763	3126322	Gmdrm	hypo	CHG	-0.035
Gm01	3128088	3128122	Gmdrm	hypo	CHG	-0.8484
Gm01	3130811	3130981	Gmdrm	hypo	CHG	-0.1392
Gm01	3136890	3136941	Gmdrm	hypo	CHG	-0.056
Gm01	3150172	3150219	Gmdrm	hypo	CHG	-0.4143
Gm01	3164135	3164207	Gmdrm	hypo	CHG	-0.04
Gm01	3164394	3164617	Gmdrm	hypo	CHG	-0.315
Gm01	3169658	3169775	Gmdrm	hypo	CHG	-0.62
Gm01	3170118	3170400	Gmdrm	hypo	CHG	-0.4645
Gm01	3176073	3176221	Gmdrm	hypo	CHG	-0.63
Gm01	3184106	3184275	Gmdrm	hypo	CHG	-0.5877
Gm01	3204849	3204907	Gmdrm	hypo	CHG	-0.8083
Gm01	3225418	3225537	Gmdrm	hypo	CHG	-0.434
Gm01	3233586	3233822	Gmdrm	hypo	CHG	-0.7449
Gm01	3235537	3235764	Gmdrm	hypo	CHG	-0.5133

Gm01	3249595	3249733	Gmdrm	hypo	CHG	-0.182
Gm01	3250489	3250717	Gmdrm	hypo	CHG	-0.68
Gm01	3256792	3256848	Gmdrm	hypo	CHG	-0.814
Gm01	3256955	3257032	Gmdrm	hypo	CHG	-0.7675
Gm01	3265055	3265398	Gmdrm	hypo	CHG	-0.6807
Gm01	3278509	3278738	Gmdrm	hypo	CHG	-0.8325
Gm01	3280619	3280695	Gmdrm	hypo	CHG	-0.84
Gm01	3289178	3289332	Gmdrm	hypo	CHG	-0.7887
Gm01	3312573	3312615	Gmdrm	hypo	CHG	-0.5866
Gm01	3313126	3313527	Gmdrm	hypo	CHG	-0.5506
Gm01	3316336	3316403	Gmdrm	hypo	CHG	-0.3658
Gm01	3340116	3340251	Gmdrm	hypo	CHG	-0.871
Gm01	3354166	3354274	Gmdrm	hypo	CHG	-0.57
Gm01	3355924	3356086	Gmdrm	hypo	CHG	-0.2985
Gm01	3356391	3356511	Gmdrm	hypo	CHG	-0.775
Gm01	3370030	3370163	Gmdrm	hypo	CHG	-0.4038
Gm01	3379998	3380174	Gmdrm	hypo	CHG	-0.0886
Gm01	3392325	3392405	Gmdrm	hypo	CHG	-0.552
Gm01	3395907	3396071	Gmdrm	hypo	CHG	-0.19
Gm01	3396655	3396789	Gmdrm	hypo	CHG	-0.06
Gm01	3399777	3400099	Gmdrm	hypo	CHG	-0.3594
Gm01	3425072	3425260	Gmdrm	hypo	CHG	-0.046
Gm01	3452705	3452853	Gmdrm	hypo	CHG	-0.5878
Gm01	3461469	3461739	Gmdrm	hypo	CHG	-0.0437
Gm01	3462783	3462899	Gmdrm	hypo	CHG	-0.395
Gm01	3463941	3464127	Gmdrm	hypo	CHG	-0.02
Gm01	3494631	3494726	Gmdrm	hypo	CHG	-0.8071
Gm01	3507405	3508024	Gmdrm	hypo	CHG	-0.4267
Gm01	3508158	3508512	Gmdrm	hypo	CHG	-0.5293
Gm01	3513425	3513464	Gmdrm	hypo	CHG	-0.792
Gm01	3513576	3513762	Gmdrm	hypo	CHG	-0.4767
Gm01	3521261	3521370	Gmdrm	hypo	CHG	-0.038
Gm01	3521741	3521983	Gmdrm	hypo	CHG	-0.67
Gm01	3524328	3524746	Gmdrm	hypo	CHG	-0.3406
Gm01	3525387	3525468	Gmdrm	hypo	CHG	-0.784
Gm01	3525911	3526310	Gmdrm	hypo	CHG	-0.2942
Gm01	3528716	3529262	Gmdrm	hypo	CHG	-0.2506
Gm01	3530853	3531143	Gmdrm	hypo	CHG	-0.1433
Gm01	3534308	3534569	Gmdrm	hypo	CHG	-0.2873
Gm01	3539815	3539973	Gmdrm	hypo	CHG	-0.2762
Gm01	3541170	3541588	Gmdrm	hypo	CHG	-0.6472
Gm01	3550417	3550706	Gmdrm	hypo	CHG	-0.7686
Gm01	3567493	3567812	Gmdrm	hypo	CHG	-0.2856
Gm01	3568078	3568288	Gmdrm	hypo	CHG	-0.4924
Gm01	3568515	3568905	Gmdrm	hypo	CHG	-0.0285
Gm01	3572769	3572921	Gmdrm	hypo	CHG	-0.66

Gm01	3576934	3577012 Gmdrm	hypo	CHG	-0.78
Gm01	3585208	3585342 Gmdrm	hypo	CHG	-0.1985
Gm01	3592331	3592536 Gmdrm	hypo	CHG	-0.5731
Gm01	3592657	3592688 Gmdrm	hypo	CHG	-0.55
Gm01	3600613	3600827 Gmdrm	hypo	CHG	-0.026
Gm01	3609588	3609852 Gmdrm	hypo	CHG	-0.7675
Gm01	3611712	3612211 Gmdrm	hypo	CHG	-0.4877
Gm01	3612408	3612522 Gmdrm	hypo	CHG	-0.1213
Gm01	3619263	3619457 Gmdrm	hypo	CHG	-0.2975
Gm01	3641650	3641763 Gmdrm	hypo	CHG	-0.1782
Gm01	3651536	3651689 Gmdrm	hypo	CHG	-0.589
Gm01	3651808	3651943 Gmdrm	hypo	CHG	-0.552
Gm01	3657512	3657714 Gmdrm	hypo	CHG	-0.493
Gm01	3665102	3665538 Gmdrm	hypo	CHG	-0.6243
Gm01	3665790	3666001 Gmdrm	hypo	CHG	-0.5725
Gm01	3688257	3688311 Gmdrm	hypo	CHG	-0.4367
Gm01	3695505	3695759 Gmdrm	hypo	CHG	-0.2459
Gm01	3700026	3700058 Gmdrm	hypo	CHG	-0.7233
Gm01	3700173	3700193 Gmdrm	hypo	CHG	-0.76
Gm01	3700978	3701036 Gmdrm	hypo	CHG	-0.4314
Gm01	3720176	3720404 Gmdrm	hypo	CHG	-0.5714
Gm01	3720629	3720771 Gmdrm	hypo	CHG	-0.8719
Gm01	3724366	3724676 Gmdrm	hypo	CHG	-0.3877
Gm01	3727875	3728262 Gmdrm	hypo	CHG	-0.2283
Gm01	3735936	3736206 Gmdrm	hypo	CHG	-0.4701
Gm01	3744868	3745322 Gmdrm	hypo	CHG	-0.7195
Gm01	3747685	3747865 Gmdrm	hypo	CHG	-0.5586
Gm01	3796805	3797100 Gmdrm	hypo	CHG	-0.0675
Gm01	3800963	3801253 Gmdrm	hypo	CHG	-0.4464
Gm01	3806871	3806930 Gmdrm	hypo	CHG	-0.814
Gm01	3807238	3807500 Gmdrm	hypo	CHG	-0.6442
Gm01	3832578	3833520 Gmdrm	hypo	CHG	-0.3829
Gm01	3884350	3884440 Gmdrm	hypo	CHG	-0.6717
Gm01	3895669	3895918 Gmdrm	hypo	CHG	-0.3927
Gm01	3896174	3896325 Gmdrm	hypo	CHG	-0.67
Gm01	3904681	3904836 Gmdrm	hypo	CHG	-0.7
Gm01	3917495	3917646 Gmdrm	hypo	CHG	-0.5906
Gm01	3919490	3919630 Gmdrm	hypo	CHG	-0.7458
Gm01	3931125	3931625 Gmdrm	hypo	CHG	-0.2103
Gm01	3942481	3942821 Gmdrm	hypo	CHG	-0.6043
Gm01	3949823	3950084 Gmdrm	hypo	CHG	-0.034
Gm01	3960222	3960280 Gmdrm	hypo	CHG	-0.0717
Gm01	3960528	3960860 Gmdrm	hypo	CHG	-0.8689
Gm01	3973577	3973623 Gmdrm	hypo	CHG	-0.9114
Gm01	3981658	3982628 Gmdrm	hypo	CHG	-0.4618
Gm01	3982687	3982835 Gmdrm	hypo	CHG	-0.42

Gm01	3982965	3983004	Gmdrm	hypo	CHG	-0.045
Gm01	3986128	3986179	Gmdrm	hypo	CHG	-0.81
Gm01	3987440	3987612	Gmdrm	hypo	CHG	-0.6622
Gm01	3990660	3990783	Gmdrm	hypo	CHG	-0.6718
Gm01	4032559	4032793	Gmdrm	hypo	CHG	-0.6895
Gm01	4058202	4058544	Gmdrm	hypo	CHG	-0.3918
Gm01	4059501	4059535	Gmdrm	hypo	CHG	-0.678
Gm01	4064619	4064845	Gmdrm	hypo	CHG	-0.026
Gm01	4065301	4065425	Gmdrm	hypo	CHG	-0.66
Gm01	4067598	4067717	Gmdrm	hypo	CHG	-0.7757
Gm01	4070248	4070452	Gmdrm	hypo	CHG	-0.2929
Gm01	4074441	4074726	Gmdrm	hypo	CHG	-0.71
Gm01	4079468	4080049	Gmdrm	hypo	CHG	-0.71
Gm01	4080755	4081050	Gmdrm	hypo	CHG	-0.71
Gm01	4090813	4091018	Gmdrm	hypo	CHG	-0.7646
Gm01	4095995	4096188	Gmdrm	hypo	CHG	-0.1163
Gm01	4096566	4096663	Gmdrm	hypo	CHG	-0.68
Gm01	4096791	4097166	Gmdrm	hypo	CHG	-0.679
Gm01	4118849	4119179	Gmdrm	hypo	CHG	-0.8969
Gm01	4132027	4132326	Gmdrm	hypo	CHG	-0.2189
Gm01	4147165	4147339	Gmdrm	hypo	CHG	-0.0415
Gm01	4160723	4160963	Gmdrm	hypo	CHG	-0.7145
Gm01	4195296	4195529	Gmdrm	hypo	CHG	-0.3809
Gm01	4195696	4195800	Gmdrm	hypo	CHG	-0.374
Gm01	4201681	4201781	Gmdrm	hypo	CHG	-0.2683
Gm01	4201918	4202375	Gmdrm	hypo	CHG	-0.6271
Gm01	4213019	4214015	Gmdrm	hypo	CHG	-0.2072
Gm01	4236531	4237183	Gmdrm	hypo	CHG	-0.8073
Gm01	4240057	4240233	Gmdrm	hypo	CHG	-0.3057
Gm01	4254545	4255076	Gmdrm	hypo	CHG	-0.1385
Gm01	4258238	4258530	Gmdrm	hypo	CHG	-0.5367
Gm01	4259319	4260124	Gmdrm	hypo	CHG	-0.1594
Gm01	4272518	4272809	Gmdrm	hypo	CHG	-0.8532
Gm01	4314837	4315158	Gmdrm	hypo	CHG	-0.0314
Gm01	4327341	4327648	Gmdrm	hypo	CHG	-0.0363
Gm01	4331139	4331393	Gmdrm	hypo	CHG	-0.58
Gm01	4331514	4331687	Gmdrm	hypo	CHG	-0.5814
Gm01	4332878	4333203	Gmdrm	hypo	CHG	-0.3735
Gm01	4336664	4336837	Gmdrm	hypo	CHG	-0.2738
Gm01	4337125	4337213	Gmdrm	hypo	CHG	-0.3583
Gm01	4339135	4339168	Gmdrm	hypo	CHG	-0.1273
Gm01	4342423	4342734	Gmdrm	hypo	CHG	-0.4294
Gm01	4344256	4344406	Gmdrm	hypo	CHG	-0.546
Gm01	4352719	4352911	Gmdrm	hypo	CHG	-0.1326
Gm01	4359172	4359333	Gmdrm	hypo	CHG	-0.034
Gm01	4361300	4361449	Gmdrm	hypo	CHG	-0.0367

Gm01	4375657	4375968 Gmdrm	hypo	CHG	-0.1784
Gm01	4376116	4376515 Gmdrm	hypo	CHG	-0.1606
Gm01	4378306	4378749 Gmdrm	hypo	CHG	-0.3594
Gm01	4380286	4380311 Gmdrm	hypo	CHG	-0.9234
Gm01	4396955	4397030 Gmdrm	hypo	CHG	-0.628
Gm01	4406113	4406225 Gmdrm	hypo	CHG	-0.257
Gm01	4406579	4406929 Gmdrm	hypo	CHG	-0.3207
Gm01	4409674	4409880 Gmdrm	hypo	CHG	-0.592
Gm01	4427146	4427572 Gmdrm	hypo	CHG	-0.6842
Gm01	4429434	4429496 Gmdrm	hypo	CHG	-0.106
Gm01	4436450	4436732 Gmdrm	hypo	CHG	-0.41
Gm01	4439541	4439676 Gmdrm	hypo	CHG	-0.7251
Gm01	4440041	4440140 Gmdrm	hypo	CHG	-0.656
Gm01	4440363	4440500 Gmdrm	hypo	CHG	-0.5933
Gm01	4456031	4456257 Gmdrm	hypo	CHG	-0.437
Gm01	4456371	4456423 Gmdrm	hypo	CHG	-0.4633
Gm01	4456530	4456627 Gmdrm	hypo	CHG	-0.274
Gm01	4471230	4471259 Gmdrm	hypo	CHG	-0.586
Gm01	4471502	4471689 Gmdrm	hypo	CHG	-0.478
Gm01	4471828	4472203 Gmdrm	hypo	CHG	-0.1253
Gm01	4490125	4490328 Gmdrm	hypo	CHG	-0.0483
Gm01	4520565	4520817 Gmdrm	hypo	CHG	-0.83
Gm01	4524967	4525195 Gmdrm	hypo	CHG	-0.6989
Gm01	4526027	4526140 Gmdrm	hypo	CHG	-0.7987
Gm01	4533090	4533244 Gmdrm	hypo	CHG	-0.244
Gm01	4535633	4536063 Gmdrm	hypo	CHG	-0.5971
Gm01	4536971	4537270 Gmdrm	hypo	CHG	-0.6843
Gm01	4537379	4537572 Gmdrm	hypo	CHG	-0.3566
Gm01	4545710	4545844 Gmdrm	hypo	CHG	-0.4982
Gm01	4580036	4580048 Gmdrm	hypo	CHG	-0.502
Gm01	4593067	4593240 Gmdrm	hypo	CHG	-0.1084
Gm01	4609290	4609326 Gmdrm	hypo	CHG	-0.2833
Gm01	4615099	4615273 Gmdrm	hypo	CHG	-0.7346
Gm01	4619524	4619685 Gmdrm	hypo	CHG	-0.241
Gm01	4622174	4622304 Gmdrm	hypo	CHG	-0.3984
Gm01	4622536	4622673 Gmdrm	hypo	CHG	-0.6475
Gm01	4622907	4623125 Gmdrm	hypo	CHG	-0.535
Gm01	4624342	4624488 Gmdrm	hypo	CHG	-0.3167
Gm01	4634997	4635043 Gmdrm	hypo	CHG	-0.82
Gm01	4653586	4653646 Gmdrm	hypo	CHG	-0.42
Gm01	4655860	4655929 Gmdrm	hypo	CHG	-0.05
Gm01	4662962	4663141 Gmdrm	hypo	CHG	-0.055
Gm01	4664232	4664332 Gmdrm	hypo	CHG	-0.138
Gm01	4665795	4665919 Gmdrm	hypo	CHG	-0.0183
Gm01	4670251	4670360 Gmdrm	hypo	CHG	-0.7466
Gm01	4682617	4682645 Gmdrm	hypo	CHG	-0.94

Gm01	4687905	4688147	Gmdrm	hypo	CHG	-0.7344
Gm01	4690018	4690035	Gmdrm	hypo	CHG	-0.756
Gm01	4715128	4715300	Gmdrm	hypo	CHG	-0.4234
Gm01	4719038	4719203	Gmdrm	hypo	CHG	-0.1771
Gm01	4720301	4720405	Gmdrm	hypo	CHG	-0.038
Gm01	4722958	4723174	Gmdrm	hypo	CHG	-0.0818
Gm01	4730470	4730630	Gmdrm	hypo	CHG	-0.377
Gm01	4740653	4740874	Gmdrm	hypo	CHG	-0.4789
Gm01	4747557	4747799	Gmdrm	hypo	CHG	-0.0567
Gm01	4753798	4753908	Gmdrm	hypo	CHG	-0.4866
Gm01	4758687	4759129	Gmdrm	hypo	CHG	-0.0992
Gm01	4759837	4759992	Gmdrm	hypo	CHG	-0.863
Gm01	4770269	4770660	Gmdrm	hypo	CHG	-0.7969
Gm01	4775493	4775922	Gmdrm	hypo	CHG	-0.279
Gm01	4780171	4780354	Gmdrm	hypo	CHG	-0.1037
Gm01	4783070	4783394	Gmdrm	hypo	CHG	-0.502
Gm01	4783590	4783697	Gmdrm	hypo	CHG	-0.11
Gm01	4795241	4795875	Gmdrm	hypo	CHG	-0.3506
Gm01	4796700	4796851	Gmdrm	hypo	CHG	-0.06
Gm01	4804864	4805054	Gmdrm	hypo	CHG	-0.516
Gm01	4805248	4805444	Gmdrm	hypo	CHG	-0.4554
Gm01	4816288	4816387	Gmdrm	hypo	CHG	-0.5134
Gm01	4829822	4829914	Gmdrm	hypo	CHG	-0.4962
Gm01	4832447	4832524	Gmdrm	hypo	CHG	-0.6067
Gm01	4849739	4850160	Gmdrm	hypo	CHG	-0.3717
Gm01	4858688	4858777	Gmdrm	hypo	CHG	-0.048
Gm01	4871299	4871508	Gmdrm	hypo	CHG	-0.0529
Gm01	4872596	4872963	Gmdrm	hypo	CHG	-0.0262
Gm01	4896277	4896474	Gmdrm	hypo	CHG	-0.245
Gm01	4901572	4901649	Gmdrm	hypo	CHG	-0.4683
Gm01	4902610	4902698	Gmdrm	hypo	CHG	-0.51
Gm01	4912338	4912851	Gmdrm	hypo	CHG	-0.5524
Gm01	4921698	4921975	Gmdrm	hypo	CHG	-0.532
Gm01	4927902	4928018	Gmdrm	hypo	CHG	-0.3992
Gm01	4939215	4939379	Gmdrm	hypo	CHG	-0.4324
Gm01	4966023	4966318	Gmdrm	hypo	CHG	-0.26
Gm01	4969802	4970163	Gmdrm	hypo	CHG	-0.4393
Gm01	4972217	4972796	Gmdrm	hypo	CHG	-0.3991
Gm01	5002881	5003133	Gmdrm	hypo	CHG	-0.4245
Gm01	5014737	5014997	Gmdrm	hypo	CHG	-0.6633
Gm01	5015562	5015799	Gmdrm	hypo	CHG	-0.4283
Gm01	5015918	5016332	Gmdrm	hypo	CHG	-0.4105
Gm01	5017314	5017641	Gmdrm	hypo	CHG	-0.5321
Gm01	5024428	5024629	Gmdrm	hypo	CHG	-0.0572
Gm01	5024741	5025721	Gmdrm	hypo	CHG	-0.7258
Gm01	5034021	5034076	Gmdrm	hypo	CHG	-0.032

Gm01	5035937	5036199	Gmdrm	hypo	CHG	-0.3129
Gm01	5069141	5069944	Gmdrm	hypo	CHG	-0.6885
Gm01	5104706	5104796	Gmdrm	hypo	CHG	-0.2633
Gm01	5104939	5105075	Gmdrm	hypo	CHG	-0.11
Gm01	5107987	5108102	Gmdrm	hypo	CHG	-0.7725
Gm01	5117634	5117745	Gmdrm	hypo	CHG	-0.5287
Gm01	5127545	5127711	Gmdrm	hypo	CHG	-0.0383
Gm01	5135833	5135981	Gmdrm	hypo	CHG	-0.0471
Gm01	5136384	5136400	Gmdrm	hypo	CHG	-0.552
Gm01	5148051	5148495	Gmdrm	hypo	CHG	-0.3123
Gm01	5221301	5221385	Gmdrm	hypo	CHG	-0.61
Gm01	5251660	5251799	Gmdrm	hypo	CHG	-0.274
Gm01	5252398	5252624	Gmdrm	hypo	CHG	-0.2767
Gm01	5263327	5263406	Gmdrm	hypo	CHG	-0.8214
Gm01	5265437	5265515	Gmdrm	hypo	CHG	-0.402
Gm01	5267143	5267266	Gmdrm	hypo	CHG	-0.632
Gm01	5267583	5267844	Gmdrm	hypo	CHG	-0.515
Gm01	5273829	5274160	Gmdrm	hypo	CHG	-0.5835
Gm01	5274380	5274559	Gmdrm	hypo	CHG	-0.7516
Gm01	5275220	5275282	Gmdrm	hypo	CHG	-0.715
Gm01	5275991	5276144	Gmdrm	hypo	CHG	-0.5014
Gm01	5277917	5278001	Gmdrm	hypo	CHG	-0.534
Gm01	5278210	5278538	Gmdrm	hypo	CHG	-0.3817
Gm01	5293372	5293540	Gmdrm	hypo	CHG	-0.5842
Gm01	5297101	5297155	Gmdrm	hypo	CHG	-0.682
Gm01	5306955	5307252	Gmdrm	hypo	CHG	-0.3946
Gm01	5307869	5307893	Gmdrm	hypo	CHG	-0.67
Gm01	5308018	5308162	Gmdrm	hypo	CHG	-0.9407
Gm01	5313074	5313174	Gmdrm	hypo	CHG	-0.8157
Gm01	5323581	5323592	Gmdrm	hypo	CHG	-0.34
Gm01	5324126	5324353	Gmdrm	hypo	CHG	-0.1723
Gm01	5325694	5325798	Gmdrm	hypo	CHG	-0.7017
Gm01	5326093	5326153	Gmdrm	hypo	CHG	-0.226
Gm01	5337876	5338200	Gmdrm	hypo	CHG	-0.5005
Gm01	5338314	5338522	Gmdrm	hypo	CHG	-0.2692
Gm01	5339446	5339906	Gmdrm	hypo	CHG	-0.2058
Gm01	5350975	5351125	Gmdrm	hypo	CHG	-0.2517
Gm01	5351247	5351557	Gmdrm	hypo	CHG	-0.4429
Gm01	5362372	5362494	Gmdrm	hypo	CHG	-0.5617
Gm01	5362790	5362954	Gmdrm	hypo	CHG	-0.35
Gm01	5369552	5369635	Gmdrm	hypo	CHG	-0.2617
Gm01	5414684	5414730	Gmdrm	hypo	CHG	-0.424
Gm01	5434283	5434451	Gmdrm	hypo	CHG	-0.3378
Gm01	5436044	5436208	Gmdrm	hypo	CHG	-0.088
Gm01	5438775	5439080	Gmdrm	hypo	CHG	-0.0338
Gm01	5443178	5443485	Gmdrm	hypo	CHG	-0.3155

Gm01	5443600	5443618 Gmdrm	hypo	CHG	-0.9283
Gm01	5443726	5443808 Gmdrm	hypo	CHG	-0.7567
Gm01	5455043	5455340 Gmdrm	hypo	CHG	-0.2692
Gm01	5455553	5455682 Gmdrm	hypo	CHG	-0.5113
Gm01	5459457	5459700 Gmdrm	hypo	CHG	-0.05
Gm01	5461178	5461374 Gmdrm	hypo	CHG	-0.3244
Gm01	5477521	5477656 Gmdrm	hypo	CHG	-0.36
Gm01	5487910	5488049 Gmdrm	hypo	CHG	-0.3683
Gm01	5502271	5503059 Gmdrm	hypo	CHG	-0.4819
Gm01	5503373	5503532 Gmdrm	hypo	CHG	-0.895
Gm01	5503870	5503981 Gmdrm	hypo	CHG	-0.3833
Gm01	5507962	5508234 Gmdrm	hypo	CHG	-0.064
Gm01	5508745	5509069 Gmdrm	hypo	CHG	-0.55
Gm01	5513933	5514201 Gmdrm	hypo	CHG	-0.6855
Gm01	5514341	5514362 Gmdrm	hypo	CHG	-0.92
Gm01	5517028	5517129 Gmdrm	hypo	CHG	-0.1317
Gm01	5528521	5528637 Gmdrm	hypo	CHG	-0.7117
Gm01	5529902	5530131 Gmdrm	hypo	CHG	-0.2311
Gm01	5541377	5541435 Gmdrm	hypo	CHG	-0.058
Gm01	5549140	5549411 Gmdrm	hypo	CHG	-0.0443
Gm01	5559108	5559150 Gmdrm	hypo	CHG	-0.4816
Gm01	5563030	5563150 Gmdrm	hypo	CHG	-0.5942
Gm01	5582022	5582078 Gmdrm	hypo	CHG	-0.0666
Gm01	5596057	5596673 Gmdrm	hypo	CHG	-0.0378
Gm01	5596789	5596909 Gmdrm	hypo	CHG	-0.515
Gm01	5619084	5619390 Gmdrm	hypo	CHG	-0.56
Gm01	5619626	5619695 Gmdrm	hypo	CHG	-0.202
Gm01	5621243	5621517 Gmdrm	hypo	CHG	-0.7462
Gm01	5621693	5621885 Gmdrm	hypo	CHG	-0.62
Gm01	5622001	5622585 Gmdrm	hypo	CHG	-0.1913
Gm01	5658517	5658968 Gmdrm	hypo	CHG	-0.0415
Gm01	5664434	5664892 Gmdrm	hypo	CHG	-0.4792
Gm01	5665020	5665114 Gmdrm	hypo	CHG	-0.6078
Gm01	5665245	5665309 Gmdrm	hypo	CHG	-0.5
Gm01	5665538	5665687 Gmdrm	hypo	CHG	-0.3529
Gm01	5693014	5693246 Gmdrm	hypo	CHG	-0.5613
Gm01	5705719	5706005 Gmdrm	hypo	CHG	-0.467
Gm01	5731460	5732120 Gmdrm	hypo	CHG	-0.21
Gm01	5792860	5793159 Gmdrm	hypo	CHG	-0.3315
Gm01	5800927	5800954 Gmdrm	hypo	CHG	-0.334
Gm01	5807585	5807803 Gmdrm	hypo	CHG	-0.439
Gm01	5819387	5819489 Gmdrm	hypo	CHG	-0.462
Gm01	5819773	5819847 Gmdrm	hypo	CHG	-0.61
Gm01	5838664	5839063 Gmdrm	hypo	CHG	-0.0469
Gm01	5845844	5845946 Gmdrm	hypo	CHG	-0.2313
Gm01	5894465	5894537 Gmdrm	hypo	CHG	-0.8133

Gm01	5894678	5894689	Gmdrm	hypo	CHG	-0.8433
Gm01	5897502	5897659	Gmdrm	hypo	CHG	-0.1988
Gm01	5940155	5940319	Gmdrm	hypo	CHG	-0.0889
Gm01	5947220	5947300	Gmdrm	hypo	CHG	-0.622
Gm01	5951786	5951900	Gmdrm	hypo	CHG	-0.8965
Gm01	5954642	5955181	Gmdrm	hypo	CHG	-0.1491
Gm01	5976701	5977089	Gmdrm	hypo	CHG	-0.4095
Gm01	5979426	5979709	Gmdrm	hypo	CHG	-0.6134
Gm01	5987658	5987908	Gmdrm	hypo	CHG	-0.063
Gm01	6021033	6021155	Gmdrm	hypo	CHG	-0.5637
Gm01	6021274	6021457	Gmdrm	hypo	CHG	-0.529
Gm01	6044483	6044725	Gmdrm	hypo	CHG	-0.3065
Gm01	6046158	6046226	Gmdrm	hypo	CHG	-0.4634
Gm01	6046354	6046670	Gmdrm	hypo	CHG	-0.325
Gm01	6046913	6047103	Gmdrm	hypo	CHG	-0.565
Gm01	6049270	6049437	Gmdrm	hypo	CHG	-0.042
Gm01	6053147	6053368	Gmdrm	hypo	CHG	-0.713
Gm01	6060484	6060777	Gmdrm	hypo	CHG	-0.195
Gm01	6063464	6063607	Gmdrm	hypo	CHG	-0.6262
Gm01	6064570	6064835	Gmdrm	hypo	CHG	-0.606
Gm01	6075354	6075458	Gmdrm	hypo	CHG	-0.0385
Gm01	6078752	6078907	Gmdrm	hypo	CHG	-0.4214
Gm01	6088478	6088822	Gmdrm	hypo	CHG	-0.5233
Gm01	6089077	6089191	Gmdrm	hypo	CHG	-0.27
Gm01	6102269	6102369	Gmdrm	hypo	CHG	-0.28
Gm01	6154882	6154977	Gmdrm	hypo	CHG	-0.1263
Gm01	6240008	6240107	Gmdrm	hypo	CHG	-0.5163
Gm01	6301530	6301873	Gmdrm	hypo	CHG	-0.808
Gm01	6302240	6302360	Gmdrm	hypo	CHG	-0.1
Gm01	6305073	6305170	Gmdrm	hypo	CHG	-0.5467
Gm01	6318231	6318415	Gmdrm	hypo	CHG	-0.046
Gm01	6350644	6350969	Gmdrm	hypo	CHG	-0.3289
Gm01	6354148	6354218	Gmdrm	hypo	CHG	-0.59
Gm01	6354786	6354803	Gmdrm	hypo	CHG	-0.8567
Gm01	6364939	6365112	Gmdrm	hypo	CHG	-0.0454
Gm01	6366446	6366802	Gmdrm	hypo	CHG	-0.0708
Gm01	6421569	6421672	Gmdrm	hypo	CHG	-0.2069
Gm01	6430378	6430492	Gmdrm	hypo	CHG	-0.312
Gm01	6442000	6442629	Gmdrm	hypo	CHG	-0.0516
Gm01	6445910	6446114	Gmdrm	hypo	CHG	-0.498
Gm01	6507959	6508305	Gmdrm	hypo	CHG	-0.2188
Gm01	6587094	6587246	Gmdrm	hypo	CHG	-0.37
Gm01	6587350	6587611	Gmdrm	hypo	CHG	-0.7256
Gm01	6591095	6591331	Gmdrm	hypo	CHG	-0.4071
Gm01	6601263	6601408	Gmdrm	hypo	CHG	-0.2338
Gm01	6603162	6603516	Gmdrm	hypo	CHG	-0.3346

Gm01	6604634	6604811	Gmdrm	hypo	CHG	-0.078
Gm01	6605041	6605199	Gmdrm	hypo	CHG	-0.65
Gm01	6634511	6634562	Gmdrm	hypo	CHG	-0.6983
Gm01	6691167	6691554	Gmdrm	hypo	CHG	-0.2396
Gm01	6697709	6697829	Gmdrm	hypo	CHG	-0.1967
Gm01	6712993	6713430	Gmdrm	hypo	CHG	-0.3607
Gm01	6713551	6713696	Gmdrm	hypo	CHG	-0.5023
Gm01	6725129	6725233	Gmdrm	hypo	CHG	-0.714
Gm01	6728579	6728804	Gmdrm	hypo	CHG	-0.662
Gm01	6729329	6729497	Gmdrm	hypo	CHG	-0.687
Gm01	6757880	6758177	Gmdrm	hypo	CHG	-0.32
Gm01	6784302	6784422	Gmdrm	hypo	CHG	-0.3529
Gm01	6813110	6813167	Gmdrm	hypo	CHG	-0.728
Gm01	6813312	6813430	Gmdrm	hypo	CHG	-0.5017
Gm01	6815903	6816076	Gmdrm	hypo	CHG	-0.3007
Gm01	6817042	6817222	Gmdrm	hypo	CHG	-0.6831
Gm01	6818818	6819020	Gmdrm	hypo	CHG	-0.4585
Gm01	6834280	6834495	Gmdrm	hypo	CHG	-0.3725
Gm01	6842012	6842281	Gmdrm	hypo	CHG	-0.5953
Gm01	6864379	6865190	Gmdrm	hypo	CHG	-0.1579
Gm01	6867747	6867868	Gmdrm	hypo	CHG	-0.6443
Gm01	6995140	6995269	Gmdrm	hypo	CHG	-0.076
Gm01	6995509	6995652	Gmdrm	hypo	CHG	-0.8964
Gm01	6995758	6996106	Gmdrm	hypo	CHG	-0.8121
Gm01	7005716	7005882	Gmdrm	hypo	CHG	-0.036
Gm01	7007194	7007443	Gmdrm	hypo	CHG	-0.0443
Gm01	7009176	7009326	Gmdrm	hypo	CHG	-0.0689
Gm01	7012608	7012919	Gmdrm	hypo	CHG	-0.7466
Gm01	7013029	7013697	Gmdrm	hypo	CHG	-0.3853
Gm01	7018314	7018491	Gmdrm	hypo	CHG	-0.1585
Gm01	7018735	7018861	Gmdrm	hypo	CHG	-0.4317
Gm01	7043543	7043756	Gmdrm	hypo	CHG	-0.5233
Gm01	7048505	7048609	Gmdrm	hypo	CHG	-0.2467
Gm01	7070478	7070591	Gmdrm	hypo	CHG	-0.7525
Gm01	7070880	7071062	Gmdrm	hypo	CHG	-0.8108
Gm01	7100669	7100883	Gmdrm	hypo	CHG	-0.1729
Gm01	7135879	7136043	Gmdrm	hypo	CHG	-0.046
Gm01	7136150	7136286	Gmdrm	hypo	CHG	-0.2233
Gm01	7137306	7137376	Gmdrm	hypo	CHG	-0.046
Gm01	7145645	7145876	Gmdrm	hypo	CHG	-0.3
Gm01	7190998	7191740	Gmdrm	hypo	CHG	-0.2708
Gm01	7211499	7211631	Gmdrm	hypo	CHG	-0.068
Gm01	7216550	7216895	Gmdrm	hypo	CHG	-0.0529
Gm01	7231050	7231253	Gmdrm	hypo	CHG	-0.375
Gm01	7233014	7233101	Gmdrm	hypo	CHG	-0.152
Gm01	7234148	7234475	Gmdrm	hypo	CHG	-0.3686

Gm01	7248733	7248901 Gmdrm	hypo	CHG	-0.1
Gm01	7259087	7259214 Gmdrm	hypo	CHG	-0.6362
Gm01	7265821	7265991 Gmdrm	hypo	CHG	-0.4629
Gm01	7266100	7266316 Gmdrm	hypo	CHG	-0.3457
Gm01	7283103	7283373 Gmdrm	hypo	CHG	-0.4666
Gm01	7283892	7284138 Gmdrm	hypo	CHG	-0.2893
Gm01	7284306	7284373 Gmdrm	hypo	CHG	-0.472
Gm01	7290822	7291074 Gmdrm	hypo	CHG	-0.0327
Gm01	7306473	7306513 Gmdrm	hypo	CHG	-0.8626
Gm01	7308650	7308834 Gmdrm	hypo	CHG	-0.4714
Gm01	7309437	7309463 Gmdrm	hypo	CHG	-0.8363
Gm01	7314174	7314292 Gmdrm	hypo	CHG	-0.31
Gm01	7331834	7332187 Gmdrm	hypo	CHG	-0.38
Gm01	7334464	7334597 Gmdrm	hypo	CHG	-0.59
Gm01	7339582	7340022 Gmdrm	hypo	CHG	-0.2492
Gm01	7354865	7355145 Gmdrm	hypo	CHG	-0.6436
Gm01	7370808	7371016 Gmdrm	hypo	CHG	-0.2183
Gm01	7470238	7470386 Gmdrm	hypo	CHG	-0.776
Gm01	7470556	7470655 Gmdrm	hypo	CHG	-0.8981
Gm01	7470824	7471000 Gmdrm	hypo	CHG	-0.0513
Gm01	7472271	7472499 Gmdrm	hypo	CHG	-0.2584
Gm01	7501146	7501423 Gmdrm	hypo	CHG	-0.845
Gm01	7501580	7501690 Gmdrm	hypo	CHG	-0.8891
Gm01	7501800	7501843 Gmdrm	hypo	CHG	-0.468
Gm01	7510282	7510381 Gmdrm	hypo	CHG	-0.214
Gm01	7513889	7514067 Gmdrm	hypo	CHG	-0.2237
Gm01	7552571	7552599 Gmdrm	hypo	CHG	-0.57
Gm01	7552800	7552900 Gmdrm	hypo	CHG	-0.5334
Gm01	7555153	7555238 Gmdrm	hypo	CHG	-0.5538
Gm01	7568537	7568699 Gmdrm	hypo	CHG	-0.5607
Gm01	7575562	7576552 Gmdrm	hypo	CHG	-0.256
Gm01	7577641	7578194 Gmdrm	hypo	CHG	-0.4339
Gm01	7578297	7578540 Gmdrm	hypo	CHG	-0.452
Gm01	7591874	7592032 Gmdrm	hypo	CHG	-0.3563
Gm01	7608764	7609306 Gmdrm	hypo	CHG	-0.3638
Gm01	7609604	7609845 Gmdrm	hypo	CHG	-0.3363
Gm01	7646212	7646351 Gmdrm	hypo	CHG	-0.4092
Gm01	7646476	7646506 Gmdrm	hypo	CHG	-0.13
Gm01	7646672	7646758 Gmdrm	hypo	CHG	-0.6187
Gm01	7647188	7647367 Gmdrm	hypo	CHG	-0.201
Gm01	7648566	7648641 Gmdrm	hypo	CHG	-0.3483
Gm01	7652945	7653277 Gmdrm	hypo	CHG	-0.5172
Gm01	7676753	7677012 Gmdrm	hypo	CHG	-0.3405
Gm01	7678062	7678239 Gmdrm	hypo	CHG	-0.901
Gm01	7704033	7704141 Gmdrm	hypo	CHG	-0.72
Gm01	7713178	7713270 Gmdrm	hypo	CHG	-0.076

Gm01	7735190	7735253 Gmdrm	hypo	CHG	-0.658
Gm01	7735374	7735516 Gmdrm	hypo	CHG	-0.236
Gm01	7740202	7740526 Gmdrm	hypo	CHG	-0.4122
Gm01	7750660	7751252 Gmdrm	hypo	CHG	-0.1892
Gm01	7752756	7753015 Gmdrm	hypo	CHG	-0.494
Gm01	7753133	7753724 Gmdrm	hypo	CHG	-0.376
Gm01	7753863	7753935 Gmdrm	hypo	CHG	-0.2667
Gm01	7754053	7754222 Gmdrm	hypo	CHG	-0.4029
Gm01	7754340	7754410 Gmdrm	hypo	CHG	-0.478
Gm01	7754519	7754572 Gmdrm	hypo	CHG	-0.51
Gm01	7755327	7755421 Gmdrm	hypo	CHG	-0.3183
Gm01	7755731	7755757 Gmdrm	hypo	CHG	-0.265
Gm01	7760075	7760304 Gmdrm	hypo	CHG	-0.497
Gm01	7770751	7770798 Gmdrm	hypo	CHG	-0.4233
Gm01	7803159	7803315 Gmdrm	hypo	CHG	-0.1517
Gm01	7803460	7803765 Gmdrm	hypo	CHG	-0.4443
Gm01	7803972	7804603 Gmdrm	hypo	CHG	-0.4554
Gm01	7937545	7937644 Gmdrm	hypo	CHG	-0.6516
Gm01	7937745	7938032 Gmdrm	hypo	CHG	-0.4967
Gm01	7977612	7977759 Gmdrm	hypo	CHG	-0.8795
Gm01	8069490	8069670 Gmdrm	hypo	CHG	-0.3191
Gm01	8076212	8076262 Gmdrm	hypo	CHG	-0.276
Gm01	8081114	8081370 Gmdrm	hypo	CHG	-0.6022
Gm01	8104204	8104437 Gmdrm	hypo	CHG	-0.2525
Gm01	8118492	8119453 Gmdrm	hypo	CHG	-0.1819
Gm01	8319814	8320018 Gmdrm	hypo	CHG	-0.148
Gm01	8374736	8374975 Gmdrm	hypo	CHG	-0.63
Gm01	8381205	8381233 Gmdrm	hypo	CHG	-0.708
Gm01	8381846	8382351 Gmdrm	hypo	CHG	-0.313
Gm01	8382505	8382912 Gmdrm	hypo	CHG	-0.3931
Gm01	8392182	8392266 Gmdrm	hypo	CHG	-0.325
Gm01	8404732	8404797 Gmdrm	hypo	CHG	-0.4862
Gm01	8456169	8456284 Gmdrm	hypo	CHG	-0.351
Gm01	8462179	8463160 Gmdrm	hypo	CHG	-0.146
Gm01	8476516	8476735 Gmdrm	hypo	CHG	-0.2142
Gm01	8482293	8482565 Gmdrm	hypo	CHG	-0.0322
Gm01	8486935	8487034 Gmdrm	hypo	CHG	-0.3
Gm01	8496531	8497017 Gmdrm	hypo	CHG	-0.4837
Gm01	8509387	8509413 Gmdrm	hypo	CHG	-0.506
Gm01	8509515	8509850 Gmdrm	hypo	CHG	-0.5588
Gm01	8516746	8516866 Gmdrm	hypo	CHG	-0.7033
Gm01	8521812	8522076 Gmdrm	hypo	CHG	-0.0914
Gm01	8526814	8526943 Gmdrm	hypo	CHG	-0.2333
Gm01	8572958	8573064 Gmdrm	hypo	CHG	-0.4643
Gm01	8583601	8583744 Gmdrm	hypo	CHG	-0.167
Gm01	8591856	8591993 Gmdrm	hypo	CHG	-0.3941

Gm01	8592121	8592436	Gmdrm	hypo	CHG	-0.3592
Gm01	8598308	8598377	Gmdrm	hypo	CHG	-0.544
Gm01	8598586	8598712	Gmdrm	hypo	CHG	-0.3693
Gm01	8607449	8607654	Gmdrm	hypo	CHG	-0.5962
Gm01	8652439	8652845	Gmdrm	hypo	CHG	-0.3193
Gm01	8659446	8659515	Gmdrm	hypo	CHG	-0.6983
Gm01	8666701	8666806	Gmdrm	hypo	CHG	-0.3022
Gm01	8666981	8667478	Gmdrm	hypo	CHG	-0.3572
Gm01	8670566	8670623	Gmdrm	hypo	CHG	-0.387
Gm01	8688409	8688978	Gmdrm	hypo	CHG	-0.1543
Gm01	8691205	8691372	Gmdrm	hypo	CHG	-0.4359
Gm01	8694028	8694121	Gmdrm	hypo	CHG	-0.66
Gm01	8694245	8694637	Gmdrm	hypo	CHG	-0.695
Gm01	8743804	8744173	Gmdrm	hypo	CHG	-0.3083
Gm01	8836016	8836101	Gmdrm	hypo	CHG	-0.538
Gm01	8900187	8900315	Gmdrm	hypo	CHG	-0.69
Gm01	8903990	8904037	Gmdrm	hypo	CHG	-0.04
Gm01	8921797	8922025	Gmdrm	hypo	CHG	-0.0357
Gm01	8922668	8922881	Gmdrm	hypo	CHG	-0.3407
Gm01	8923187	8923326	Gmdrm	hypo	CHG	-0.3417
Gm01	8926321	8926463	Gmdrm	hypo	CHG	-0.7329
Gm01	8935407	8935530	Gmdrm	hypo	CHG	-0.4433
Gm01	8935650	8935802	Gmdrm	hypo	CHG	-0.228
Gm01	9041759	9041863	Gmdrm	hypo	CHG	-0.6257
Gm01	9044753	9045014	Gmdrm	hypo	CHG	-0.682
Gm01	9064721	9065045	Gmdrm	hypo	CHG	-0.054
Gm01	9081518	9081809	Gmdrm	hypo	CHG	-0.0633
Gm01	9107642	9107710	Gmdrm	hypo	CHG	-0.285
Gm01	9114955	9115149	Gmdrm	hypo	CHG	-0.248
Gm01	9141473	9141654	Gmdrm	hypo	CHG	-0.273
Gm01	9255970	9256632	Gmdrm	hypo	CHG	-0.2419
Gm01	9263938	9263969	Gmdrm	hypo	CHG	-0.652
Gm01	9266225	9266295	Gmdrm	hypo	CHG	-0.04
Gm01	9278753	9278865	Gmdrm	hypo	CHG	-0.3416
Gm01	9454553	9454696	Gmdrm	hypo	CHG	-0.46
Gm01	9474742	9474921	Gmdrm	hypo	CHG	-0.3062
Gm01	9476152	9476177	Gmdrm	hypo	CHG	-0.44
Gm01	9479502	9479791	Gmdrm	hypo	CHG	-0.07
Gm01	9653728	9653914	Gmdrm	hypo	CHG	-0.2878
Gm01	9668390	9668414	Gmdrm	hypo	CHG	-0.578
Gm01	9670213	9670359	Gmdrm	hypo	CHG	-0.5189
Gm01	9672868	9673004	Gmdrm	hypo	CHG	-0.8614
Gm01	9679496	9679627	Gmdrm	hypo	CHG	-0.615
Gm01	9681174	9681373	Gmdrm	hypo	CHG	-0.2949
Gm01	9685764	9685962	Gmdrm	hypo	CHG	-0.5507
Gm01	9721492	9721820	Gmdrm	hypo	CHG	-0.3792

Gm01	9750946	9750978 Gmdrm	hypo	CHG	-0.7867
Gm01	9751149	9751205 Gmdrm	hypo	CHG	-0.9375
Gm01	9754549	9754656 Gmdrm	hypo	CHG	-0.466
Gm01	9779350	9779673 Gmdrm	hypo	CHG	-0.4407
Gm01	9793491	9793744 Gmdrm	hypo	CHG	-0.2521
Gm01	9799939	9799992 Gmdrm	hypo	CHG	-0.14
Gm01	9801207	9801278 Gmdrm	hypo	CHG	-0.4789
Gm01	9801747	9802167 Gmdrm	hypo	CHG	-0.584
Gm01	9806907	9807091 Gmdrm	hypo	CHG	-0.3189
Gm01	9847305	9847518 Gmdrm	hypo	CHG	-0.4537
Gm01	9873690	9873817 Gmdrm	hypo	CHG	-0.2963
Gm01	9874056	9874268 Gmdrm	hypo	CHG	-0.4217
Gm01	9955607	9955803 Gmdrm	hypo	CHG	-0.0875
Gm01	10020725	10020943 Gmdrm	hypo	CHG	-0.367
Gm01	10054336	10054549 Gmdrm	hypo	CHG	-0.6633
Gm01	10059541	10059693 Gmdrm	hypo	CHG	-0.05
Gm01	10062283	10062413 Gmdrm	hypo	CHG	-0.1817
Gm01	10080480	10081066 Gmdrm	hypo	CHG	-0.302
Gm01	10087071	10088055 Gmdrm	hypo	CHG	-0.3617
Gm01	10117649	10117732 Gmdrm	hypo	CHG	-0.4475
Gm01	10127046	10127263 Gmdrm	hypo	CHG	-0.0267
Gm01	10541509	10541708 Gmdrm	hypo	CHG	-0.285
Gm01	10611705	10611739 Gmdrm	hypo	CHG	-0.1786
Gm01	10725306	10725468 Gmdrm	hypo	CHG	-0.0333
Gm01	10753563	10753663 Gmdrm	hypo	CHG	-0.5086
Gm01	10755046	10755186 Gmdrm	hypo	CHG	-0.5683
Gm01	10761401	10761552 Gmdrm	hypo	CHG	-0.34
Gm01	10950866	10950999 Gmdrm	hypo	CHG	-0.2574
Gm01	11011458	11011652 Gmdrm	hypo	CHG	-0.067
Gm01	11012132	11012441 Gmdrm	hypo	CHG	-0.1729
Gm01	11018216	11018311 Gmdrm	hypo	CHG	-0.7275
Gm01	11020771	11020989 Gmdrm	hypo	CHG	-0.44
Gm01	11084988	11085100 Gmdrm	hypo	CHG	-0.3157
Gm01	11155184	11155410 Gmdrm	hypo	CHG	-0.0385
Gm01	11157443	11158049 Gmdrm	hypo	CHG	-0.218
Gm01	11158293	11158631 Gmdrm	hypo	CHG	-0.0988
Gm01	11160072	11160307 Gmdrm	hypo	CHG	-0.4854
Gm01	11212701	11212889 Gmdrm	hypo	CHG	-0.403
Gm01	11225719	11225856 Gmdrm	hypo	CHG	-0.6562
Gm01	11226013	11226406 Gmdrm	hypo	CHG	-0.1692
Gm01	11319871	11319962 Gmdrm	hypo	CHG	-0.6783
Gm01	11339712	11339828 Gmdrm	hypo	CHG	-0.4266
Gm01	11493417	11493548 Gmdrm	hypo	CHG	-0.696
Gm01	11517903	11518447 Gmdrm	hypo	CHG	-0.0272
Gm01	11521276	11521440 Gmdrm	hypo	CHG	-0.052
Gm01	11579568	11579893 Gmdrm	hypo	CHG	-0.21

Gm01	11641758	11641896	Gmdrm	hypo	CHG	-0.3417
Gm01	11652805	11652994	Gmdrm	hypo	CHG	-0.1669
Gm01	11657644	11658435	Gmdrm	hypo	CHG	-0.1078
Gm01	11687732	11687931	Gmdrm	hypo	CHG	-0.6725
Gm01	11693762	11693938	Gmdrm	hypo	CHG	-0.0337
Gm01	11695261	11695621	Gmdrm	hypo	CHG	-0.1423
Gm01	11714190	11714377	Gmdrm	hypo	CHG	-0.5543
Gm01	11720165	11720337	Gmdrm	hypo	CHG	-0.064
Gm01	11726530	11727188	Gmdrm	hypo	CHG	-0.5587
Gm01	11744305	11744340	Gmdrm	hypo	CHG	-0.0929
Gm01	11761698	11761876	Gmdrm	hypo	CHG	-0.3563
Gm01	12004695	12004957	Gmdrm	hypo	CHG	-0.0326
Gm01	12018680	12019116	Gmdrm	hypo	CHG	-0.7215
Gm01	12019225	12019355	Gmdrm	hypo	CHG	-0.082
Gm01	12022741	12022899	Gmdrm	hypo	CHG	-0.6508
Gm01	12025208	12025441	Gmdrm	hypo	CHG	-0.8712
Gm01	12025598	12025773	Gmdrm	hypo	CHG	-0.8411
Gm01	12025889	12026000	Gmdrm	hypo	CHG	-0.795
Gm01	12029541	12029773	Gmdrm	hypo	CHG	-0.2336
Gm01	12038813	12039166	Gmdrm	hypo	CHG	-0.2118
Gm01	12074721	12074792	Gmdrm	hypo	CHG	-0.115
Gm01	12318924	12319381	Gmdrm	hypo	CHG	-0.1727
Gm01	12319836	12319935	Gmdrm	hypo	CHG	-0.49
Gm01	12433205	12433482	Gmdrm	hypo	CHG	-0.3765
Gm01	12552369	12552583	Gmdrm	hypo	CHG	-0.3339
Gm01	12609382	12609610	Gmdrm	hypo	CHG	-0.2384
Gm01	12735000	12735085	Gmdrm	hypo	CHG	-0.0771
Gm01	12758125	12758429	Gmdrm	hypo	CHG	-0.3013
Gm01	12763879	12764070	Gmdrm	hypo	CHG	-0.3143
Gm01	12768697	12769193	Gmdrm	hypo	CHG	-0.2491
Gm01	12834845	12835220	Gmdrm	hypo	CHG	-0.8339
Gm01	12835372	12835565	Gmdrm	hypo	CHG	-0.4017
Gm01	12836066	12836146	Gmdrm	hypo	CHG	-0.74
Gm01	12883274	12883382	Gmdrm	hypo	CHG	-0.3585
Gm01	12883587	12883701	Gmdrm	hypo	CHG	-0.87
Gm01	12887023	12887220	Gmdrm	hypo	CHG	-0.06
Gm01	12913701	12913815	Gmdrm	hypo	CHG	-0.3134
Gm01	12918777	12918802	Gmdrm	hypo	CHG	-0.498
Gm01	12923990	12924124	Gmdrm	hypo	CHG	-0.375
Gm01	12930797	12931100	Gmdrm	hypo	CHG	-0.3162
Gm01	13079447	13079675	Gmdrm	hypo	CHG	-0.0358
Gm01	13082067	13082399	Gmdrm	hypo	CHG	-0.5434
Gm01	13084590	13084833	Gmdrm	hypo	CHG	-0.6614
Gm01	13084988	13085107	Gmdrm	hypo	CHG	-0.522
Gm01	13086979	13087462	Gmdrm	hypo	CHG	-0.5272
Gm01	13206815	13206862	Gmdrm	hypo	CHG	-0.51

Gm01	13207754	13208006	Gmdrm	hypo	CHG	-0.351
Gm01	13374982	13375083	Gmdrm	hypo	CHG	-0.032
Gm01	13416005	13416337	Gmdrm	hypo	CHG	-0.3954
Gm01	13441084	13441379	Gmdrm	hypo	CHG	-0.62
Gm01	13446995	13447110	Gmdrm	hypo	CHG	-0.0226
Gm01	13449390	13449525	Gmdrm	hypo	CHG	-0.056
Gm01	13456321	13456466	Gmdrm	hypo	CHG	-0.1986
Gm01	13541977	13542092	Gmdrm	hypo	CHG	-0.055
Gm01	14133645	14133853	Gmdrm	hypo	CHG	-0.09
Gm01	14138403	14139350	Gmdrm	hypo	CHG	-0.2609
Gm01	14139441	14139802	Gmdrm	hypo	CHG	-0.2391
Gm01	14915706	14916084	Gmdrm	hypo	CHG	-0.2188
Gm01	14934313	14934485	Gmdrm	hypo	CHG	-0.228
Gm01	14937859	14938845	Gmdrm	hypo	CHG	-0.117
Gm01	14938872	14939872	Gmdrm	hypo	CHG	-0.1626
Gm01	14947502	14948490	Gmdrm	hypo	CHG	-0.1211
Gm01	14949520	14949860	Gmdrm	hypo	CHG	-0.2039
Gm01	14951744	14952678	Gmdrm	hypo	CHG	-0.1806
Gm01	14955672	14956051	Gmdrm	hypo	CHG	-0.2047
Gm01	14992594	14992893	Gmdrm	hypo	CHG	-0.2228
Gm01	15039410	15039764	Gmdrm	hypo	CHG	-0.0984
Gm01	15043240	15044019	Gmdrm	hypo	CHG	-0.0739
Gm01	15150780	15151476	Gmdrm	hypo	CHG	-0.1967
Gm01	15153471	15154070	Gmdrm	hypo	CHG	-0.1547
Gm01	15156831	15157803	Gmdrm	hypo	CHG	-0.1093
Gm01	15157851	15158435	Gmdrm	hypo	CHG	-0.1217
Gm01	15180694	15181099	Gmdrm	hypo	CHG	-0.1375
Gm01	15187769	15188730	Gmdrm	hypo	CHG	-0.1221
Gm01	15188822	15189684	Gmdrm	hypo	CHG	-0.104
Gm01	15191681	15192053	Gmdrm	hypo	CHG	-0.1968
Gm01	15193044	15194004	Gmdrm	hypo	CHG	-0.1126
Gm01	15196937	15197896	Gmdrm	hypo	CHG	-0.1026
Gm01	15203449	15204424	Gmdrm	hypo	CHG	-0.1384
Gm01	15208243	15208920	Gmdrm	hypo	CHG	-0.2192
Gm01	15209881	15210881	Gmdrm	hypo	CHG	-0.1498
Gm01	15372694	15373321	Gmdrm	hypo	CHG	-0.442
Gm01	15437166	15437186	Gmdrm	hypo	CHG	-0.0784
Gm01	15467499	15467582	Gmdrm	hypo	CHG	-0.254
Gm01	15483051	15483159	Gmdrm	hypo	CHG	-0.1683
Gm01	15483298	15483571	Gmdrm	hypo	CHG	-0.2133
Gm01	15495546	15496323	Gmdrm	hypo	CHG	-0.1696
Gm01	15622535	15622733	Gmdrm	hypo	CHG	-0.2976
Gm01	15939429	15940231	Gmdrm	hypo	CHG	-0.6039
Gm01	15948725	15949026	Gmdrm	hypo	CHG	-0.2729
Gm01	15949143	15949300	Gmdrm	hypo	CHG	-0.1273
Gm01	15992463	15992538	Gmdrm	hypo	CHG	-0.2967

Gm01	16042260	16042319	Gmdrm	hypo	CHG	-0.735
Gm01	16057271	16058094	Gmdrm	hypo	CHG	-0.1966
Gm01	16060297	16061291	Gmdrm	hypo	CHG	-0.0496
Gm01	16061750	16061930	Gmdrm	hypo	CHG	-0.2328
Gm01	16079512	16079611	Gmdrm	hypo	CHG	-0.416
Gm01	16081796	16082162	Gmdrm	hypo	CHG	-0.1685
Gm01	16086518	16087462	Gmdrm	hypo	CHG	-0.2757
Gm01	16091737	16091993	Gmdrm	hypo	CHG	-0.1236
Gm01	16271037	16271148	Gmdrm	hypo	CHG	-0.0933
Gm01	16629769	16629997	Gmdrm	hypo	CHG	-0.1745
Gm01	16653764	16653864	Gmdrm	hypo	CHG	-0.0414
Gm01	16654095	16654365	Gmdrm	hypo	CHG	-0.2627
Gm01	16654736	16655139	Gmdrm	hypo	CHG	-0.184
Gm01	16666182	16666939	Gmdrm	hypo	CHG	-0.1929
Gm01	16669707	16670115	Gmdrm	hypo	CHG	-0.18
Gm01	16676778	16677324	Gmdrm	hypo	CHG	-0.1422
Gm01	16958091	16958428	Gmdrm	hypo	CHG	-0.2348
Gm01	16959286	16959463	Gmdrm	hypo	CHG	-0.2067
Gm01	16960063	16961051	Gmdrm	hypo	CHG	-0.1936
Gm01	16973526	16973746	Gmdrm	hypo	CHG	-0.077
Gm01	16974701	16975024	Gmdrm	hypo	CHG	-0.2472
Gm01	16975385	16975857	Gmdrm	hypo	CHG	-0.3905
Gm01	16983188	16983803	Gmdrm	hypo	CHG	-0.2643
Gm01	16999827	16999969	Gmdrm	hypo	CHG	-0.16
Gm01	17001816	17002815	Gmdrm	hypo	CHG	-0.2817
Gm01	17017334	17018000	Gmdrm	hypo	CHG	-0.11
Gm01	17031873	17031972	Gmdrm	hypo	CHG	-0.308
Gm01	17044381	17044826	Gmdrm	hypo	CHG	-0.1739
Gm01	17173696	17173814	Gmdrm	hypo	CHG	-0.6362
Gm01	17173927	17174025	Gmdrm	hypo	CHG	-0.765
Gm01	17232755	17232838	Gmdrm	hypo	CHG	-0.575
Gm01	17251173	17251339	Gmdrm	hypo	CHG	-0.2213
Gm01	17290817	17291131	Gmdrm	hypo	CHG	-0.3852
Gm01	17565519	17566120	Gmdrm	hypo	CHG	-0.0949
Gm01	17610873	17611838	Gmdrm	hypo	CHG	-0.194
Gm01	17629298	17629410	Gmdrm	hypo	CHG	-0.8383
Gm01	17641585	17641990	Gmdrm	hypo	CHG	-0.2679
Gm01	17820193	17820419	Gmdrm	hypo	CHG	-0.1013
Gm01	17866469	17866536	Gmdrm	hypo	CHG	-0.2966
Gm01	17908034	17908100	Gmdrm	hypo	CHG	-0.814
Gm01	17912373	17912425	Gmdrm	hypo	CHG	-0.3033
Gm01	17996170	17996234	Gmdrm	hypo	CHG	-0.1834
Gm01	18051416	18051475	Gmdrm	hypo	CHG	-0.34
Gm01	18145357	18145617	Gmdrm	hypo	CHG	-0.1489
Gm01	18304598	18304795	Gmdrm	hypo	CHG	-0.0843
Gm01	18405512	18405666	Gmdrm	hypo	CHG	-0.1561

Gm01	18674987	18675037	Gmdrm	hypo	CHG	-0.4043
Gm01	18867135	18867280	Gmdrm	hypo	CHG	-0.6029
Gm01	18870055	18870088	Gmdrm	hypo	CHG	-0.9337
Gm01	18876632	18876720	Gmdrm	hypo	CHG	-0.48
Gm01	18879471	18879607	Gmdrm	hypo	CHG	-0.0385
Gm01	18987215	18987694	Gmdrm	hypo	CHG	-0.2576
Gm01	18987827	18988273	Gmdrm	hypo	CHG	-0.4506
Gm01	19110573	19110665	Gmdrm	hypo	CHG	-0.3785
Gm01	19115259	19115620	Gmdrm	hypo	CHG	-0.1071
Gm01	19115915	19116084	Gmdrm	hypo	CHG	-0.5011
Gm01	19117341	19117532	Gmdrm	hypo	CHG	-0.6825
Gm01	19118062	19118448	Gmdrm	hypo	CHG	-0.6494
Gm01	19124565	19125538	Gmdrm	hypo	CHG	-0.4238
Gm01	19127090	19127155	Gmdrm	hypo	CHG	-0.212
Gm01	19128066	19128155	Gmdrm	hypo	CHG	-0.198
Gm01	19132460	19133299	Gmdrm	hypo	CHG	-0.3622
Gm01	19133419	19133818	Gmdrm	hypo	CHG	-0.3672
Gm01	19136320	19137090	Gmdrm	hypo	CHG	-0.2926
Gm01	19827180	19827388	Gmdrm	hypo	CHG	-0.1443
Gm01	19871457	19871554	Gmdrm	hypo	CHG	-0.7133
Gm01	19872660	19872784	Gmdrm	hypo	CHG	-0.244
Gm01	19874294	19874755	Gmdrm	hypo	CHG	-0.2078
Gm01	19874982	19875127	Gmdrm	hypo	CHG	-0.7013
Gm01	19878794	19878924	Gmdrm	hypo	CHG	-0.7025
Gm01	19879118	19879164	Gmdrm	hypo	CHG	-0.568
Gm01	19933208	19933427	Gmdrm	hypo	CHG	-0.136
Gm01	19945545	19945637	Gmdrm	hypo	CHG	-0.3672
Gm01	20110646	20110924	Gmdrm	hypo	CHG	-0.4501
Gm01	20111027	20111426	Gmdrm	hypo	CHG	-0.74
Gm01	20116723	20116986	Gmdrm	hypo	CHG	-0.0667
Gm01	20132398	20132481	Gmdrm	hypo	CHG	-0.2387
Gm01	20273020	20273232	Gmdrm	hypo	CHG	-0.4945
Gm01	20326103	20326228	Gmdrm	hypo	CHG	-0.3288
Gm01	20326499	20326800	Gmdrm	hypo	CHG	-0.1225
Gm01	20509088	20509196	Gmdrm	hypo	CHG	-0.5284
Gm01	20526577	20526878	Gmdrm	hypo	CHG	-0.3645
Gm01	20574761	20575072	Gmdrm	hypo	CHG	-0.3914
Gm01	20576517	20576675	Gmdrm	hypo	CHG	-0.5609
Gm01	20743378	20743562	Gmdrm	hypo	CHG	-0.3669
Gm01	20774364	20774798	Gmdrm	hypo	CHG	-0.7909
Gm01	20779813	20779935	Gmdrm	hypo	CHG	-0.056
Gm01	20846501	20846693	Gmdrm	hypo	CHG	-0.3736
Gm01	21288895	21289003	Gmdrm	hypo	CHG	-0.1083
Gm01	21334281	21334416	Gmdrm	hypo	CHG	-0.03
Gm01	21406458	21406607	Gmdrm	hypo	CHG	-0.045
Gm01	21773308	21773330	Gmdrm	hypo	CHG	-0.6733

Gm01	21777618	21777722	Gmdrm	hypo	CHG	-0.0523
Gm01	21870658	21870789	Gmdrm	hypo	CHG	-0.088
Gm01	21908494	21908621	Gmdrm	hypo	CHG	-0.058
Gm01	22026624	22027015	Gmdrm	hypo	CHG	-0.4187
Gm01	22027141	22027510	Gmdrm	hypo	CHG	-0.2135
Gm01	22192433	22192626	Gmdrm	hypo	CHG	-0.4838
Gm01	22918965	22919214	Gmdrm	hypo	CHG	-0.2708
Gm01	22923564	22923828	Gmdrm	hypo	CHG	-0.05
Gm01	22936149	22936486	Gmdrm	hypo	CHG	-0.8528
Gm01	23073308	23073380	Gmdrm	hypo	CHG	-0.6785
Gm01	23083345	23083515	Gmdrm	hypo	CHG	-0.1967
Gm01	23227226	23227370	Gmdrm	hypo	CHG	-0.1433
Gm01	23369134	23369164	Gmdrm	hypo	CHG	-0.08
Gm01	23370196	23370272	Gmdrm	hypo	CHG	-0.2
Gm01	23431386	23431419	Gmdrm	hypo	CHG	-0.396
Gm01	23431950	23432126	Gmdrm	hypo	CHG	-0.495
Gm01	23432457	23432509	Gmdrm	hypo	CHG	-0.4314
Gm01	23432826	23432914	Gmdrm	hypo	CHG	-0.5083
Gm01	23437981	23438170	Gmdrm	hypo	CHG	-0.4512
Gm01	23451109	23451174	Gmdrm	hypo	CHG	-0.164
Gm01	23456624	23456866	Gmdrm	hypo	CHG	-0.5233
Gm01	23477710	23477865	Gmdrm	hypo	CHG	-0.55
Gm01	23478438	23478781	Gmdrm	hypo	CHG	-0.05
Gm01	23479005	23479059	Gmdrm	hypo	CHG	-0.604
Gm01	23479366	23479453	Gmdrm	hypo	CHG	-0.446
Gm01	23498704	23498991	Gmdrm	hypo	CHG	-0.0771
Gm01	23659443	23659603	Gmdrm	hypo	CHG	-0.171
Gm01	23668115	23668243	Gmdrm	hypo	CHG	-0.0989
Gm01	23704222	23704409	Gmdrm	hypo	CHG	-0.0655
Gm01	23725645	23725801	Gmdrm	hypo	CHG	-0.8772
Gm01	23726397	23726421	Gmdrm	hypo	CHG	-0.792
Gm01	23737212	23737357	Gmdrm	hypo	CHG	-0.4886
Gm01	23737722	23737901	Gmdrm	hypo	CHG	-0.4537
Gm01	23764012	23764215	Gmdrm	hypo	CHG	-0.048
Gm01	23870261	23870345	Gmdrm	hypo	CHG	-0.0886
Gm01	24018989	24019152	Gmdrm	hypo	CHG	-0.4563
Gm01	24085749	24085954	Gmdrm	hypo	CHG	-0.9063
Gm01	24086073	24086196	Gmdrm	hypo	CHG	-0.785
Gm01	24092197	24092321	Gmdrm	hypo	CHG	-0.6459
Gm01	24092570	24092743	Gmdrm	hypo	CHG	-0.5517
Gm01	24159369	24160021	Gmdrm	hypo	CHG	-0.6264
Gm01	24169411	24169727	Gmdrm	hypo	CHG	-0.1025
Gm01	24170898	24170915	Gmdrm	hypo	CHG	-0.296
Gm01	24233181	24233268	Gmdrm	hypo	CHG	-0.085
Gm01	24326697	24326874	Gmdrm	hypo	CHG	-0.6977
Gm01	24337371	24337881	Gmdrm	hypo	CHG	-0.0892

Gm01	24353600	24353859	Gmdrm	hypo	CHG	-0.6367
Gm01	24354122	24354229	Gmdrm	hypo	CHG	-0.5633
Gm01	24389278	24389391	Gmdrm	hypo	CHG	-0.13
Gm01	24398424	24398443	Gmdrm	hypo	CHG	-0.204
Gm01	24426074	24426367	Gmdrm	hypo	CHG	-0.3287
Gm01	24433525	24433603	Gmdrm	hypo	CHG	-0.39
Gm01	24434587	24434770	Gmdrm	hypo	CHG	-0.3314
Gm01	24522912	24523179	Gmdrm	hypo	CHG	-0.3637
Gm01	24556420	24556672	Gmdrm	hypo	CHG	-0.4712
Gm01	24556869	24556996	Gmdrm	hypo	CHG	-0.084
Gm01	24566384	24566461	Gmdrm	hypo	CHG	-0.7054
Gm01	24568821	24569038	Gmdrm	hypo	CHG	-0.415
Gm01	24569307	24569333	Gmdrm	hypo	CHG	-0.4733
Gm01	24570451	24570647	Gmdrm	hypo	CHG	-0.421
Gm01	24617762	24617861	Gmdrm	hypo	CHG	-0.7133
Gm01	24722033	24722202	Gmdrm	hypo	CHG	-0.3467
Gm01	24724307	24724346	Gmdrm	hypo	CHG	-0.422
Gm01	24732530	24732797	Gmdrm	hypo	CHG	-0.1088
Gm01	24736154	24736261	Gmdrm	hypo	CHG	-0.186
Gm01	24749932	24750275	Gmdrm	hypo	CHG	-0.2713
Gm01	24842891	24843070	Gmdrm	hypo	CHG	-0.4234
Gm01	24846109	24846196	Gmdrm	hypo	CHG	-0.1893
Gm01	24899896	24900163	Gmdrm	hypo	CHG	-0.1842
Gm01	24901202	24902110	Gmdrm	hypo	CHG	-0.3493
Gm01	24902667	24902864	Gmdrm	hypo	CHG	-0.3645
Gm01	24903188	24904144	Gmdrm	hypo	CHG	-0.4509
Gm01	24904323	24904508	Gmdrm	hypo	CHG	-0.0643
Gm01	24918964	24918992	Gmdrm	hypo	CHG	-0.342
Gm01	24996881	24997034	Gmdrm	hypo	CHG	-0.3525
Gm01	25016589	25016603	Gmdrm	hypo	CHG	-0.0667
Gm01	25187716	25187917	Gmdrm	hypo	CHG	-0.3136
Gm01	25266734	25266860	Gmdrm	hypo	CHG	-0.044
Gm01	25292966	25293158	Gmdrm	hypo	CHG	-0.0457
Gm01	25319753	25319949	Gmdrm	hypo	CHG	-0.0333
Gm01	25327032	25327136	Gmdrm	hypo	CHG	-0.4045
Gm01	25354970	25355113	Gmdrm	hypo	CHG	-0.12
Gm01	25531508	25531536	Gmdrm	hypo	CHG	-0.53
Gm01	25532631	25532751	Gmdrm	hypo	CHG	-0.264
Gm01	25534138	25534887	Gmdrm	hypo	CHG	-0.5929
Gm01	25543514	25543553	Gmdrm	hypo	CHG	-0.4566
Gm01	25543681	25544207	Gmdrm	hypo	CHG	-0.5555
Gm01	25553849	25554005	Gmdrm	hypo	CHG	-0.0713
Gm01	25554720	25555496	Gmdrm	hypo	CHG	-0.7225
Gm01	25556245	25556994	Gmdrm	hypo	CHG	-0.71
Gm01	25568754	25568905	Gmdrm	hypo	CHG	-0.335
Gm01	25613987	25614642	Gmdrm	hypo	CHG	-0.3152

Gm01	25615678	25616236	Gmdrm	hypo	CHG	-0.3664
Gm01	25616360	25617328	Gmdrm	hypo	CHG	-0.1015
Gm01	25625342	25625577	Gmdrm	hypo	CHG	-0.0357
Gm01	25630715	25631699	Gmdrm	hypo	CHG	-0.2118
Gm01	25632595	25633259	Gmdrm	hypo	CHG	-0.2247
Gm01	25633882	25634205	Gmdrm	hypo	CHG	-0.0558
Gm01	25651023	25651433	Gmdrm	hypo	CHG	-0.1011
Gm01	25651733	25652447	Gmdrm	hypo	CHG	-0.0577
Gm01	25653438	25654265	Gmdrm	hypo	CHG	-0.2761
Gm01	25661253	25661356	Gmdrm	hypo	CHG	-0.3617
Gm01	25677283	25677492	Gmdrm	hypo	CHG	-0.3491
Gm01	25683219	25683313	Gmdrm	hypo	CHG	-0.285
Gm01	25698208	25698481	Gmdrm	hypo	CHG	-0.559
Gm01	25743467	25743721	Gmdrm	hypo	CHG	-0.0657
Gm01	25766059	25766552	Gmdrm	hypo	CHG	-0.3348
Gm01	25766690	25767201	Gmdrm	hypo	CHG	-0.2216
Gm01	25802266	25802463	Gmdrm	hypo	CHG	-0.439
Gm01	25852068	25852278	Gmdrm	hypo	CHG	-0.3884
Gm01	25858447	25858582	Gmdrm	hypo	CHG	-0.3822
Gm01	25859233	25859337	Gmdrm	hypo	CHG	-0.3333
Gm01	25882904	25882946	Gmdrm	hypo	CHG	-0.16
Gm01	25900180	25900441	Gmdrm	hypo	CHG	-0.3833
Gm01	25909298	25909384	Gmdrm	hypo	CHG	-0.1666
Gm01	25916960	25916985	Gmdrm	hypo	CHG	-0.1866
Gm01	26171978	26172191	Gmdrm	hypo	CHG	-0.7445
Gm01	26190642	26190729	Gmdrm	hypo	CHG	-0.5643
Gm01	26191296	26191555	Gmdrm	hypo	CHG	-0.6327
Gm01	26194523	26194977	Gmdrm	hypo	CHG	-0.1082
Gm01	26264951	26264971	Gmdrm	hypo	CHG	-0.7367
Gm01	26268761	26269227	Gmdrm	hypo	CHG	-0.314
Gm01	26271834	26271979	Gmdrm	hypo	CHG	-0.35
Gm01	26298281	26298728	Gmdrm	hypo	CHG	-0.2534
Gm01	26308295	26308727	Gmdrm	hypo	CHG	-0.1157
Gm01	26531649	26532247	Gmdrm	hypo	CHG	-0.2593
Gm01	26532705	26532793	Gmdrm	hypo	CHG	-0.5375
Gm01	26534137	26534476	Gmdrm	hypo	CHG	-0.5231
Gm01	26548005	26548096	Gmdrm	hypo	CHG	-0.0433
Gm01	26548214	26548504	Gmdrm	hypo	CHG	-0.4718
Gm01	26615053	26615155	Gmdrm	hypo	CHG	-0.194
Gm01	26646246	26646367	Gmdrm	hypo	CHG	-0.6833
Gm01	26648926	26649018	Gmdrm	hypo	CHG	-0.595
Gm01	26665541	26665624	Gmdrm	hypo	CHG	-0.326
Gm01	26665963	26666526	Gmdrm	hypo	CHG	-0.4971
Gm01	26669674	26669903	Gmdrm	hypo	CHG	-0.0517
Gm01	26720459	26720591	Gmdrm	hypo	CHG	-0.068
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Gm01	26731886	26732098	Gmdrm	hypo	CHG	-0.028
Gm01	26737320	26737544	Gmdrm	hypo	CHG	-0.55
Gm01	26762241	26762365	Gmdrm	hypo	CHG	-0.105
Gm01	26810611	26810778	Gmdrm	hypo	CHG	-0.3554
Gm01	26863793	26863824	Gmdrm	hypo	CHG	-0.042
Gm01	26875796	26875868	Gmdrm	hypo	CHG	-0.16
Gm01	26892689	26892793	Gmdrm	hypo	CHG	-0.3141
Gm01	26922294	26922517	Gmdrm	hypo	CHG	-0.057
Gm01	26939836	26940004	Gmdrm	hypo	CHG	-0.385
Gm01	26957631	26957690	Gmdrm	hypo	CHG	-0.49
Gm01	27011732	27012014	Gmdrm	hypo	CHG	-0.5975
Gm01	27036591	27036683	Gmdrm	hypo	CHG	-0.8767
Gm01	27036988	27037086	Gmdrm	hypo	CHG	-0.8966
Gm01	27037256	27037387	Gmdrm	hypo	CHG	-0.7983
Gm01	27040818	27041062	Gmdrm	hypo	CHG	-0.6943
Gm01	27046607	27046803	Gmdrm	hypo	CHG	-0.2487
Gm01	27054894	27055187	Gmdrm	hypo	CHG	-0.6393
Gm01	27055911	27056175	Gmdrm	hypo	CHG	-0.3535
Gm01	27074390	27074414	Gmdrm	hypo	CHG	-0.3275
Gm01	27117688	27117846	Gmdrm	hypo	CHG	-0.4014
Gm01	27145812	27145924	Gmdrm	hypo	CHG	-0.2784
Gm01	27157585	27157787	Gmdrm	hypo	CHG	-0.0716
Gm01	27162349	27162508	Gmdrm	hypo	CHG	-0.5325
Gm01	27166470	27166742	Gmdrm	hypo	CHG	-0.1381
Gm01	27243589	27244452	Gmdrm	hypo	CHG	-0.12
Gm01	27380086	27380429	Gmdrm	hypo	CHG	-0.4906
Gm01	27380530	27380929	Gmdrm	hypo	CHG	-0.545
Gm01	27383965	27384035	Gmdrm	hypo	CHG	-0.7743
Gm01	27384380	27384518	Gmdrm	hypo	CHG	-0.5583
Gm01	27395050	27395410	Gmdrm	hypo	CHG	-0.3211
Gm01	27460349	27460595	Gmdrm	hypo	CHG	-0.0617
Gm01	27462343	27462477	Gmdrm	hypo	CHG	-0.4433
Gm01	27476952	27477110	Gmdrm	hypo	CHG	-0.5987
Gm01	27488728	27488778	Gmdrm	hypo	CHG	-0.362
Gm01	27489165	27489301	Gmdrm	hypo	CHG	-0.3488
Gm01	27489525	27489812	Gmdrm	hypo	CHG	-0.0987
Gm01	27491949	27492051	Gmdrm	hypo	CHG	-0.2837
Gm01	27492215	27492657	Gmdrm	hypo	CHG	-0.2113
Gm01	27493007	27493097	Gmdrm	hypo	CHG	-0.3
Gm01	27493212	27493690	Gmdrm	hypo	CHG	-0.2178
Gm01	27493990	27494411	Gmdrm	hypo	CHG	-0.2094
Gm01	27496811	27496891	Gmdrm	hypo	CHG	-0.3025
Gm01	27499048	27499096	Gmdrm	hypo	CHG	-0.46
Gm01	27500070	27500305	Gmdrm	hypo	CHG	-0.3363
Gm01	27516106	27516374	Gmdrm	hypo	CHG	-0.373
Gm01	27523463	27523525	Gmdrm	hypo	CHG	-0.0314

Gm01	27523688	27523865	Gmdrm	hypo	CHG	-0.0475
Gm01	27524477	27524615	Gmdrm	hypo	CHG	-0.0617
Gm01	27533990	27534066	Gmdrm	hypo	CHG	-0.108
Gm01	27593364	27593485	Gmdrm	hypo	CHG	-0.3155
Gm01	27601562	27601625	Gmdrm	hypo	CHG	-0.734
Gm01	27606072	27606314	Gmdrm	hypo	CHG	-0.328
Gm01	27746814	27747794	Gmdrm	hypo	CHG	-0.5644
Gm01	27747900	27748145	Gmdrm	hypo	CHG	-0.5377
Gm01	27750393	27750532	Gmdrm	hypo	CHG	-0.0417
Gm01	27752897	27752979	Gmdrm	hypo	CHG	-0.675
Gm01	27754609	27754752	Gmdrm	hypo	CHG	-0.41
Gm01	27758180	27758260	Gmdrm	hypo	CHG	-0.505
Gm01	27758424	27758487	Gmdrm	hypo	CHG	-0.652
Gm01	27761277	27761498	Gmdrm	hypo	CHG	-0.0428
Gm01	27835110	27835183	Gmdrm	hypo	CHG	-0.8667
Gm01	27924777	27924940	Gmdrm	hypo	CHG	-0.7348
Gm01	27933585	27933760	Gmdrm	hypo	CHG	-0.4437
Gm01	27953108	27953203	Gmdrm	hypo	CHG	-0.7643
Gm01	27968278	27968630	Gmdrm	hypo	CHG	-0.3217
Gm01	27971409	27971748	Gmdrm	hypo	CHG	-0.305
Gm01	28000537	28000655	Gmdrm	hypo	CHG	-0.5116
Gm01	28003064	28003250	Gmdrm	hypo	CHG	-0.0786
Gm01	28005209	28005544	Gmdrm	hypo	CHG	-0.1857
Gm01	28006449	28006896	Gmdrm	hypo	CHG	-0.416
Gm01	28015954	28016136	Gmdrm	hypo	CHG	-0.3167
Gm01	28038229	28038930	Gmdrm	hypo	CHG	-0.031
Gm01	28039170	28039309	Gmdrm	hypo	CHG	-0.4278
Gm01	28040976	28041036	Gmdrm	hypo	CHG	-0.046
Gm01	28042263	28042375	Gmdrm	hypo	CHG	-0.156
Gm01	28071839	28071924	Gmdrm	hypo	CHG	-0.192
Gm01	28072125	28072250	Gmdrm	hypo	CHG	-0.3914
Gm01	28073950	28074035	Gmdrm	hypo	CHG	-0.39
Gm01	28082078	28082222	Gmdrm	hypo	CHG	-0.3412
Gm01	28101066	28101251	Gmdrm	hypo	CHG	-0.05
Gm01	28101759	28101885	Gmdrm	hypo	CHG	-0.042
Gm01	28104540	28104721	Gmdrm	hypo	CHG	-0.08
Gm01	28109099	28109149	Gmdrm	hypo	CHG	-0.832
Gm01	28241234	28241361	Gmdrm	hypo	CHG	-0.2166
Gm01	28243571	28243628	Gmdrm	hypo	CHG	-0.7728
Gm01	28245443	28245810	Gmdrm	hypo	CHG	-0.4266
Gm01	28245916	28246150	Gmdrm	hypo	CHG	-0.6028
Gm01	28278990	28279069	Gmdrm	hypo	CHG	-0.2067
Gm01	28341940	28342017	Gmdrm	hypo	CHG	-0.1828
Gm01	28345142	28346037	Gmdrm	hypo	CHG	-0.1077
Gm01	28348119	28349081	Gmdrm	hypo	CHG	-0.5426
Gm01	28349148	28350135	Gmdrm	hypo	CHG	-0.5074

Gm01	28350169	28351123	Gmdrm	hypo	CHG	-0.4925
Gm01	28351246	28351935	Gmdrm	hypo	CHG	-0.1567
Gm01	28352041	28353026	Gmdrm	hypo	CHG	-0.1891
Gm01	28353703	28354105	Gmdrm	hypo	CHG	-0.4379
Gm01	28354287	28355262	Gmdrm	hypo	CHG	-0.4242
Gm01	28370887	28370993	Gmdrm	hypo	CHG	-0.38
Gm01	28371115	28371258	Gmdrm	hypo	CHG	-0.478
Gm01	28379135	28379428	Gmdrm	hypo	CHG	-0.4805
Gm01	28407098	28407218	Gmdrm	hypo	CHG	-0.0514
Gm01	28407425	28407636	Gmdrm	hypo	CHG	-0.7984
Gm01	28411623	28411797	Gmdrm	hypo	CHG	-0.8087
Gm01	28450348	28450495	Gmdrm	hypo	CHG	-0.7384
Gm01	28459386	28460121	Gmdrm	hypo	CHG	-0.0315
Gm01	28462782	28462857	Gmdrm	hypo	CHG	-0.822
Gm01	28620809	28620839	Gmdrm	hypo	CHG	-0.328
Gm01	28621051	28621266	Gmdrm	hypo	CHG	-0.5391
Gm01	28623359	28623635	Gmdrm	hypo	CHG	-0.7116
Gm01	28623756	28624033	Gmdrm	hypo	CHG	-0.4567
Gm01	28634271	28635033	Gmdrm	hypo	CHG	-0.5129
Gm01	28638116	28638583	Gmdrm	hypo	CHG	-0.33
Gm01	28638703	28639419	Gmdrm	hypo	CHG	-0.2696
Gm01	28643481	28644379	Gmdrm	hypo	CHG	-0.3828
Gm01	28644524	28645495	Gmdrm	hypo	CHG	-0.4574
Gm01	28651692	28652685	Gmdrm	hypo	CHG	-0.4671
Gm01	28652739	28652845	Gmdrm	hypo	CHG	-0.5246
Gm01	28652984	28653008	Gmdrm	hypo	CHG	-0.224
Gm01	28653146	28653413	Gmdrm	hypo	CHG	-0.3327
Gm01	28653540	28653643	Gmdrm	hypo	CHG	-0.2283
Gm01	28660831	28661752	Gmdrm	hypo	CHG	-0.318
Gm01	28662060	28662212	Gmdrm	hypo	CHG	-0.0383
Gm01	28666079	28666256	Gmdrm	hypo	CHG	-0.4956
Gm01	28666365	28667360	Gmdrm	hypo	CHG	-0.2825
Gm01	28667523	28667693	Gmdrm	hypo	CHG	-0.4866
Gm01	28668228	28669156	Gmdrm	hypo	CHG	-0.2237
Gm01	28677084	28677309	Gmdrm	hypo	CHG	-0.3455
Gm01	28693743	28693886	Gmdrm	hypo	CHG	-0.53
Gm01	28700761	28701204	Gmdrm	hypo	CHG	-0.6156
Gm01	28702655	28702940	Gmdrm	hypo	CHG	-0.6308
Gm01	28750485	28750612	Gmdrm	hypo	CHG	-0.908
Gm01	28845548	28845593	Gmdrm	hypo	CHG	-0.4366
Gm01	29106455	29106558	Gmdrm	hypo	CHG	-0.2633
Gm01	29151816	29152542	Gmdrm	hypo	CHG	-0.0874
Gm01	29199982	29200171	Gmdrm	hypo	CHG	-0.06
Gm01	29296385	29296518	Gmdrm	hypo	CHG	-0.58
Gm01	29310857	29311751	Gmdrm	hypo	CHG	-0.1575
Gm01	29326114	29326218	Gmdrm	hypo	CHG	-0.376

Gm01	29358775	29358993	Gmdrm	hypo	CHG	-0.625
Gm01	29359159	29359420	Gmdrm	hypo	CHG	-0.6473
Gm01	29371356	29371469	Gmdrm	hypo	CHG	-0.1266
Gm01	29443845	29443978	Gmdrm	hypo	CHG	-0.2723
Gm01	29444450	29444601	Gmdrm	hypo	CHG	-0.2783
Gm01	29446253	29446663	Gmdrm	hypo	CHG	-0.3536
Gm01	29450691	29450875	Gmdrm	hypo	CHG	-0.7715
Gm01	29592665	29592745	Gmdrm	hypo	CHG	-0.785
Gm01	29594873	29594987	Gmdrm	hypo	CHG	-0.58
Gm01	29784335	29784564	Gmdrm	hypo	CHG	-0.6
Gm01	30033386	30033838	Gmdrm	hypo	CHG	-0.6033
Gm01	30094427	30094484	Gmdrm	hypo	CHG	-0.07
Gm01	30095336	30095448	Gmdrm	hypo	CHG	-0.0513
Gm01	30510181	30510390	Gmdrm	hypo	CHG	-0.0486
Gm01	31064890	31064908	Gmdrm	hypo	CHG	-0.3217
Gm01	31078499	31078640	Gmdrm	hypo	CHG	-0.1233
Gm01	31081794	31081841	Gmdrm	hypo	CHG	-0.2017
Gm01	31335299	31335627	Gmdrm	hypo	CHG	-0.2622
Gm01	31517195	31517557	Gmdrm	hypo	CHG	-0.4008
Gm01	31521228	31521393	Gmdrm	hypo	CHG	-0.31
Gm01	31522794	31523148	Gmdrm	hypo	CHG	-0.1742
Gm01	31530851	31530966	Gmdrm	hypo	CHG	-0.26
Gm01	31546396	31546595	Gmdrm	hypo	CHG	-0.1966
Gm01	31554182	31554375	Gmdrm	hypo	CHG	-0.6173
Gm01	31554537	31554584	Gmdrm	hypo	CHG	-0.7266
Gm01	31725548	31725633	Gmdrm	hypo	CHG	-0.165
Gm01	31953963	31953999	Gmdrm	hypo	CHG	-0.038
Gm01	31955717	31956370	Gmdrm	hypo	CHG	-0.1904
Gm01	31970340	31970478	Gmdrm	hypo	CHG	-0.6138
Gm01	31971734	31971890	Gmdrm	hypo	CHG	-0.155
Gm01	31971999	31972630	Gmdrm	hypo	CHG	-0.3248
Gm01	32095266	32095330	Gmdrm	hypo	CHG	-0.142
Gm01	32116286	32116424	Gmdrm	hypo	CHG	-0.0792
Gm01	32278990	32279042	Gmdrm	hypo	CHG	-0.2078
Gm01	32589240	32589432	Gmdrm	hypo	CHG	-0.3618
Gm01	32593485	32593564	Gmdrm	hypo	CHG	-0.058
Gm01	32604411	32604728	Gmdrm	hypo	CHG	-0.35
Gm01	32606404	32606573	Gmdrm	hypo	CHG	-0.0516
Gm01	32617734	32618046	Gmdrm	hypo	CHG	-0.3075
Gm01	32621257	32621510	Gmdrm	hypo	CHG	-0.642
Gm01	32680490	32680636	Gmdrm	hypo	CHG	-0.2075
Gm01	32680749	32680776	Gmdrm	hypo	CHG	-0.5
Gm01	32690602	32691276	Gmdrm	hypo	CHG	-0.261
Gm01	32717463	32717620	Gmdrm	hypo	CHG	-0.058
Gm01	32881485	32881565	Gmdrm	hypo	CHG	-0.135
Gm01	32883135	32883566	Gmdrm	hypo	CHG	-0.3846

Gm01	32886788	32886883	Gmdrm	hypo	CHG	-0.5971
Gm01	32887251	32887283	Gmdrm	hypo	CHG	-0.518
Gm01	32888000	32888120	Gmdrm	hypo	CHG	-0.3924
Gm01	32889074	32889163	Gmdrm	hypo	CHG	-0.3787
Gm01	32919836	32920053	Gmdrm	hypo	CHG	-0.379
Gm01	32920169	32920308	Gmdrm	hypo	CHG	-0.5238
Gm01	32935940	32936061	Gmdrm	hypo	CHG	-0.31
Gm01	32936262	32936346	Gmdrm	hypo	CHG	-0.618
Gm01	32936766	32936872	Gmdrm	hypo	CHG	-0.032
Gm01	33082695	33082771	Gmdrm	hypo	CHG	-0.23
Gm01	33152832	33152977	Gmdrm	hypo	CHG	-0.8712
Gm01	33160202	33160583	Gmdrm	hypo	CHG	-0.1859
Gm01	33188605	33188948	Gmdrm	hypo	CHG	-0.6644
Gm01	33242784	33242918	Gmdrm	hypo	CHG	-0.4738
Gm01	33288929	33289080	Gmdrm	hypo	CHG	-0.076
Gm01	33321380	33321485	Gmdrm	hypo	CHG	-0.723
Gm01	33324982	33325278	Gmdrm	hypo	CHG	-0.5341
Gm01	33325549	33325688	Gmdrm	hypo	CHG	-0.4
Gm01	33463207	33463258	Gmdrm	hypo	CHG	-0.424
Gm01	33475332	33475590	Gmdrm	hypo	CHG	-0.3785
Gm01	33482134	33482314	Gmdrm	hypo	CHG	-0.4811
Gm01	33575791	33576021	Gmdrm	hypo	CHG	-0.4853
Gm01	33587213	33587515	Gmdrm	hypo	CHG	-0.2331
Gm01	33587904	33587986	Gmdrm	hypo	CHG	-0.524
Gm01	33600085	33600273	Gmdrm	hypo	CHG	-0.613
Gm01	33602310	33602578	Gmdrm	hypo	CHG	-0.0911
Gm01	33603714	33603882	Gmdrm	hypo	CHG	-0.2294
Gm01	33610844	33611184	Gmdrm	hypo	CHG	-0.677
Gm01	33611762	33611863	Gmdrm	hypo	CHG	-0.4766
Gm01	33618907	33619223	Gmdrm	hypo	CHG	-0.2285
Gm01	33620691	33620744	Gmdrm	hypo	CHG	-0.5185
Gm01	33663716	33663920	Gmdrm	hypo	CHG	-0.4531
Gm01	33669255	33669402	Gmdrm	hypo	CHG	-0.2914
Gm01	33669511	33670048	Gmdrm	hypo	CHG	-0.1925
Gm01	33671763	33671913	Gmdrm	hypo	CHG	-0.3314
Gm01	33674304	33674494	Gmdrm	hypo	CHG	-0.709
Gm01	33709201	33709321	Gmdrm	hypo	CHG	-0.405
Gm01	33776862	33777012	Gmdrm	hypo	CHG	-0.4725
Gm01	33777259	33777634	Gmdrm	hypo	CHG	-0.8168
Gm01	33789548	33789676	Gmdrm	hypo	CHG	-0.2756
Gm01	33789827	33790175	Gmdrm	hypo	CHG	-0.5515
Gm01	33795001	33795082	Gmdrm	hypo	CHG	-0.075
Gm01	33834076	33834254	Gmdrm	hypo	CHG	-0.038
Gm01	33840370	33840618	Gmdrm	hypo	CHG	-0.39
Gm01	33840735	33840777	Gmdrm	hypo	CHG	-0.4917
Gm01	33842869	33843040	Gmdrm	hypo	CHG	-0.4034

Gm01	33846324	33846577	Gmdrm	hypo	CHG	-0.3624
Gm01	33900206	33900329	Gmdrm	hypo	CHG	-0.378
Gm01	33916939	33917055	Gmdrm	hypo	CHG	-0.7983
Gm01	33943369	33944038	Gmdrm	hypo	CHG	-0.1792
Gm01	33946164	33946296	Gmdrm	hypo	CHG	-0.075
Gm01	33966576	33966707	Gmdrm	hypo	CHG	-0.6982
Gm01	34028141	34028270	Gmdrm	hypo	CHG	-0.389
Gm01	34099767	34100104	Gmdrm	hypo	CHG	-0.1391
Gm01	34108780	34109341	Gmdrm	hypo	CHG	-0.2531
Gm01	34109615	34109879	Gmdrm	hypo	CHG	-0.205
Gm01	34179765	34179837	Gmdrm	hypo	CHG	-0.1914
Gm01	34181728	34181826	Gmdrm	hypo	CHG	-0.51
Gm01	34182039	34182189	Gmdrm	hypo	CHG	-0.484
Gm01	34352829	34352894	Gmdrm	hypo	CHG	-0.106
Gm01	34370500	34370650	Gmdrm	hypo	CHG	-0.381
Gm01	34371229	34371352	Gmdrm	hypo	CHG	-0.2533
Gm01	34375391	34375519	Gmdrm	hypo	CHG	-0.5654
Gm01	34377882	34377982	Gmdrm	hypo	CHG	-0.038
Gm01	34499938	34500032	Gmdrm	hypo	CHG	-0.1675
Gm01	34533563	34533656	Gmdrm	hypo	CHG	-0.29
Gm01	34534820	34534944	Gmdrm	hypo	CHG	-0.4183
Gm01	34578176	34578310	Gmdrm	hypo	CHG	-0.1583
Gm01	34581224	34581338	Gmdrm	hypo	CHG	-0.3728
Gm01	34615811	34615835	Gmdrm	hypo	CHG	-0.246
Gm01	34659591	34660090	Gmdrm	hypo	CHG	-0.349
Gm01	34662536	34662796	Gmdrm	hypo	CHG	-0.4825
Gm01	34663285	34663474	Gmdrm	hypo	CHG	-0.3814
Gm01	34663605	34663854	Gmdrm	hypo	CHG	-0.692
Gm01	34669002	34669160	Gmdrm	hypo	CHG	-0.3891
Gm01	34669831	34669965	Gmdrm	hypo	CHG	-0.3267
Gm01	34675633	34675771	Gmdrm	hypo	CHG	-0.1567
Gm01	34679412	34679617	Gmdrm	hypo	CHG	-0.028
Gm01	34681868	34682157	Gmdrm	hypo	CHG	-0.6523
Gm01	34712235	34712366	Gmdrm	hypo	CHG	-0.438
Gm01	34717348	34717593	Gmdrm	hypo	CHG	-0.6636
Gm01	34718457	34718613	Gmdrm	hypo	CHG	-0.55
Gm01	34721334	34721480	Gmdrm	hypo	CHG	-0.11
Gm01	34728928	34729029	Gmdrm	hypo	CHG	-0.5414
Gm01	34737704	34737999	Gmdrm	hypo	CHG	-0.2253
Gm01	34751937	34751955	Gmdrm	hypo	CHG	-0.852
Gm01	34797068	34797233	Gmdrm	hypo	CHG	-0.162
Gm01	34797433	34797690	Gmdrm	hypo	CHG	-0.543
Gm01	34798234	34798436	Gmdrm	hypo	CHG	-0.0436
Gm01	35014713	35015069	Gmdrm	hypo	CHG	-0.2868
Gm01	35037223	35037352	Gmdrm	hypo	CHG	-0.5438
Gm01	35045204	35045326	Gmdrm	hypo	CHG	-0.4863

Gm01	35064870	35065356	Gmdrm	hypo	CHG	-0.1946
Gm01	35184405	35184511	Gmdrm	hypo	CHG	-0.3571
Gm01	35184725	35184799	Gmdrm	hypo	CHG	-0.7866
Gm01	35221027	35221393	Gmdrm	hypo	CHG	-0.4774
Gm01	35221701	35222041	Gmdrm	hypo	CHG	-0.3313
Gm01	35223768	35224010	Gmdrm	hypo	CHG	-0.5544
Gm01	35306998	35307225	Gmdrm	hypo	CHG	-0.1755
Gm01	35349531	35349925	Gmdrm	hypo	CHG	-0.2747
Gm01	35611321	35611575	Gmdrm	hypo	CHG	-0.04
Gm01	35612885	35613169	Gmdrm	hypo	CHG	-0.0383
Gm01	35640165	35640412	Gmdrm	hypo	CHG	-0.042
Gm01	35643843	35643986	Gmdrm	hypo	CHG	-0.934
Gm01	35648272	35648410	Gmdrm	hypo	CHG	-0.4743
Gm01	35655164	35655757	Gmdrm	hypo	CHG	-0.3069
Gm01	35657522	35657653	Gmdrm	hypo	CHG	-0.492
Gm01	35699337	35699793	Gmdrm	hypo	CHG	-0.304
Gm01	35785449	35785936	Gmdrm	hypo	CHG	-0.0523
Gm01	35841314	35841465	Gmdrm	hypo	CHG	-0.4872
Gm01	35870422	35870641	Gmdrm	hypo	CHG	-0.2572
Gm01	35932238	35932510	Gmdrm	hypo	CHG	-0.032
Gm01	35934537	35934608	Gmdrm	hypo	CHG	-0.6283
Gm01	36003016	36003226	Gmdrm	hypo	CHG	-0.2362
Gm01	36042637	36042668	Gmdrm	hypo	CHG	-0.8056
Gm01	36043392	36043524	Gmdrm	hypo	CHG	-0.4243
Gm01	36092075	36092106	Gmdrm	hypo	CHG	-0.2112
Gm01	36135151	36135204	Gmdrm	hypo	CHG	-0.6914
Gm01	36139734	36139870	Gmdrm	hypo	CHG	-0.642
Gm01	36143219	36143293	Gmdrm	hypo	CHG	-0.144
Gm01	36166732	36166747	Gmdrm	hypo	CHG	-0.2317
Gm01	36197925	36198070	Gmdrm	hypo	CHG	-0.0383
Gm01	36213772	36214522	Gmdrm	hypo	CHG	-0.546
Gm01	36243291	36243319	Gmdrm	hypo	CHG	-0.545
Gm01	36248264	36248419	Gmdrm	hypo	CHG	-0.2944
Gm01	36256483	36257262	Gmdrm	hypo	CHG	-0.3036
Gm01	36305944	36306025	Gmdrm	hypo	CHG	-0.2991
Gm01	36368968	36368991	Gmdrm	hypo	CHG	-0.495
Gm01	36370232	36370290	Gmdrm	hypo	CHG	-0.6133
Gm01	36379649	36380000	Gmdrm	hypo	CHG	-0.4405
Gm01	36399778	36400028	Gmdrm	hypo	CHG	-0.2908
Gm01	36400170	36400286	Gmdrm	hypo	CHG	-0.7249
Gm01	36400660	36400965	Gmdrm	hypo	CHG	-0.7857
Gm01	36403304	36403726	Gmdrm	hypo	CHG	-0.4034
Gm01	36403917	36404128	Gmdrm	hypo	CHG	-0.6537
Gm01	36418452	36418905	Gmdrm	hypo	CHG	-0.8508
Gm01	36419009	36419063	Gmdrm	hypo	CHG	-0.2338
Gm01	36419217	36419322	Gmdrm	hypo	CHG	-0.1

Gm01	36452254	36452346	Gmdrm	hypo	CHG	-0.4789
Gm01	36457576	36457621	Gmdrm	hypo	CHG	-0.424
Gm01	36459285	36459365	Gmdrm	hypo	CHG	-0.76
Gm01	36496134	36496265	Gmdrm	hypo	CHG	-0.6728
Gm01	36496401	36496916	Gmdrm	hypo	CHG	-0.4537
Gm01	36498388	36498588	Gmdrm	hypo	CHG	-0.2809
Gm01	36500595	36500930	Gmdrm	hypo	CHG	-0.2333
Gm01	36501124	36501304	Gmdrm	hypo	CHG	-0.2872
Gm01	36501461	36501672	Gmdrm	hypo	CHG	-0.231
Gm01	36502277	36502323	Gmdrm	hypo	CHG	-0.194
Gm01	36526636	36526866	Gmdrm	hypo	CHG	-0.29
Gm01	36538795	36538867	Gmdrm	hypo	CHG	-0.0383
Gm01	36556223	36556664	Gmdrm	hypo	CHG	-0.295
Gm01	36573045	36573133	Gmdrm	hypo	CHG	-0.254
Gm01	36609370	36609503	Gmdrm	hypo	CHG	-0.8691
Gm01	36609616	36609685	Gmdrm	hypo	CHG	-0.67
Gm01	36609787	36609862	Gmdrm	hypo	CHG	-0.6983
Gm01	36636182	36636304	Gmdrm	hypo	CHG	-0.793
Gm01	36640918	36641149	Gmdrm	hypo	CHG	-0.056
Gm01	36696694	36697130	Gmdrm	hypo	CHG	-0.6989
Gm01	36697601	36697700	Gmdrm	hypo	CHG	-0.414
Gm01	36735735	36736014	Gmdrm	hypo	CHG	-0.4325
Gm01	36830078	36830549	Gmdrm	hypo	CHG	-0.337
Gm01	36833756	36833862	Gmdrm	hypo	CHG	-0.06
Gm01	36835442	36835566	Gmdrm	hypo	CHG	-0.3533
Gm01	36990049	36990152	Gmdrm	hypo	CHG	-0.2189
Gm01	37041551	37041689	Gmdrm	hypo	CHG	-0.75
Gm01	37041846	37041929	Gmdrm	hypo	CHG	-0.5133
Gm01	37084656	37084756	Gmdrm	hypo	CHG	-0.7425
Gm01	37084900	37085106	Gmdrm	hypo	CHG	-0.8238
Gm01	37103831	37103923	Gmdrm	hypo	CHG	-0.4678
Gm01	37234731	37235678	Gmdrm	hypo	CHG	-0.1706
Gm01	37346824	37346855	Gmdrm	hypo	CHG	-0.686
Gm01	37372627	37372794	Gmdrm	hypo	CHG	-0.2328
Gm01	37372926	37373355	Gmdrm	hypo	CHG	-0.2523
Gm01	37374452	37374648	Gmdrm	hypo	CHG	-0.4563
Gm01	37400900	37401346	Gmdrm	hypo	CHG	-0.5653
Gm01	37401527	37401645	Gmdrm	hypo	CHG	-0.21
Gm01	37418580	37418875	Gmdrm	hypo	CHG	-0.3341
Gm01	37430322	37430425	Gmdrm	hypo	CHG	-0.685
Gm01	37433035	37433295	Gmdrm	hypo	CHG	-0.4783
Gm01	37484034	37484519	Gmdrm	hypo	CHG	-0.5579
Gm01	37484715	37484910	Gmdrm	hypo	CHG	-0.6659
Gm01	37486958	37487130	Gmdrm	hypo	CHG	-0.5583
Gm01	37491597	37491792	Gmdrm	hypo	CHG	-0.4538
Gm01	37497340	37497710	Gmdrm	hypo	CHG	-0.3389

Gm01	37541156	37541585	Gmdrm	hypo	CHG	-0.2923
Gm01	37543673	37544216	Gmdrm	hypo	CHG	-0.6014
Gm01	37544347	37544527	Gmdrm	hypo	CHG	-0.795
Gm01	37544812	37545060	Gmdrm	hypo	CHG	-0.68
Gm01	37545163	37545554	Gmdrm	hypo	CHG	-0.2174
Gm01	37552440	37552721	Gmdrm	hypo	CHG	-0.317
Gm01	37553897	37554186	Gmdrm	hypo	CHG	-0.4792
Gm01	37571491	37571582	Gmdrm	hypo	CHG	-0.2133
Gm01	37571700	37571780	Gmdrm	hypo	CHG	-0.7414
Gm01	37571967	37572026	Gmdrm	hypo	CHG	-0.708
Gm01	37573617	37573683	Gmdrm	hypo	CHG	-0.618
Gm01	37576100	37576314	Gmdrm	hypo	CHG	-0.2989
Gm01	37577923	37578021	Gmdrm	hypo	CHG	-0.7379
Gm01	37580216	37580565	Gmdrm	hypo	CHG	-0.7521
Gm01	37581247	37581373	Gmdrm	hypo	CHG	-0.4271
Gm01	37582004	37582334	Gmdrm	hypo	CHG	-0.4115
Gm01	37614111	37614253	Gmdrm	hypo	CHG	-0.5257
Gm01	37734481	37734642	Gmdrm	hypo	CHG	-0.0763
Gm01	37756294	37756463	Gmdrm	hypo	CHG	-0.1358
Gm01	37756585	37756884	Gmdrm	hypo	CHG	-0.89
Gm01	37766810	37766963	Gmdrm	hypo	CHG	-0.6214
Gm01	37867214	37867454	Gmdrm	hypo	CHG	-0.116
Gm01	37887752	37887851	Gmdrm	hypo	CHG	-0.255
Gm01	37887995	37888309	Gmdrm	hypo	CHG	-0.662
Gm01	37888422	37888555	Gmdrm	hypo	CHG	-0.7683
Gm01	37888910	37889006	Gmdrm	hypo	CHG	-0.7354
Gm01	37892579	37892832	Gmdrm	hypo	CHG	-0.487
Gm01	37893941	37894033	Gmdrm	hypo	CHG	-0.422
Gm01	37934260	37934971	Gmdrm	hypo	CHG	-0.097
Gm01	38101699	38101855	Gmdrm	hypo	CHG	-0.11
Gm01	38107439	38107550	Gmdrm	hypo	CHG	-0.7283
Gm01	38112356	38112515	Gmdrm	hypo	CHG	-0.4314
Gm01	38134923	38135082	Gmdrm	hypo	CHG	-0.1775
Gm01	38141851	38142069	Gmdrm	hypo	CHG	-0.363
Gm01	38160844	38161064	Gmdrm	hypo	CHG	-0.035
Gm01	38165351	38165563	Gmdrm	hypo	CHG	-0.2814
Gm01	38167018	38167358	Gmdrm	hypo	CHG	-0.1008
Gm01	38168125	38168346	Gmdrm	hypo	CHG	-0.3625
Gm01	38205070	38205118	Gmdrm	hypo	CHG	-0.414
Gm01	38212058	38212214	Gmdrm	hypo	CHG	-0.6443
Gm01	38213249	38213320	Gmdrm	hypo	CHG	-0.6017
Gm01	38213634	38213785	Gmdrm	hypo	CHG	-0.3129
Gm01	38250778	38251032	Gmdrm	hypo	CHG	-0.1566
Gm01	38252555	38252627	Gmdrm	hypo	CHG	-0.3957
Gm01	38279195	38279388	Gmdrm	hypo	CHG	-0.5357
Gm01	38282381	38282632	Gmdrm	hypo	CHG	-0.5548

Gm01	38282837	38283007	Gmdrm	hypo	CHG	-0.528
Gm01	38283679	38283883	Gmdrm	hypo	CHG	-0.1077
Gm01	38333316	38333358	Gmdrm	hypo	CHG	-0.8116
Gm01	38351606	38351773	Gmdrm	hypo	CHG	-0.678
Gm01	38354177	38354319	Gmdrm	hypo	CHG	-0.0543
Gm01	38364505	38364664	Gmdrm	hypo	CHG	-0.2681
Gm01	38368099	38368333	Gmdrm	hypo	CHG	-0.6192
Gm01	38369094	38369155	Gmdrm	hypo	CHG	-0.435
Gm01	38386087	38386464	Gmdrm	hypo	CHG	-0.4039
Gm01	38398909	38399192	Gmdrm	hypo	CHG	-0.2395
Gm01	38401487	38401832	Gmdrm	hypo	CHG	-0.3658
Gm01	38416735	38417011	Gmdrm	hypo	CHG	-0.2874
Gm01	38448764	38448973	Gmdrm	hypo	CHG	-0.5822
Gm01	38573152	38573408	Gmdrm	hypo	CHG	-0.4223
Gm01	38588639	38588808	Gmdrm	hypo	CHG	-0.4029
Gm01	38596981	38597112	Gmdrm	hypo	CHG	-0.3476
Gm01	38856245	38856434	Gmdrm	hypo	CHG	-0.0559
Gm01	38883066	38883097	Gmdrm	hypo	CHG	-0.8617
Gm01	38883279	38883570	Gmdrm	hypo	CHG	-0.325
Gm01	38885839	38885922	Gmdrm	hypo	CHG	-0.52
Gm01	38928679	38929229	Gmdrm	hypo	CHG	-0.2827
Gm01	38930647	38930894	Gmdrm	hypo	CHG	-0.57
Gm01	38931782	38932016	Gmdrm	hypo	CHG	-0.5264
Gm01	38932125	38932308	Gmdrm	hypo	CHG	-0.07
Gm01	38938841	38939175	Gmdrm	hypo	CHG	-0.5157
Gm01	38952622	38952777	Gmdrm	hypo	CHG	-0.5172
Gm01	38961964	38962635	Gmdrm	hypo	CHG	-0.0931
Gm01	39005870	39005996	Gmdrm	hypo	CHG	-0.5914
Gm01	39120260	39120355	Gmdrm	hypo	CHG	-0.0333
Gm01	39133613	39133862	Gmdrm	hypo	CHG	-0.3467
Gm01	39142807	39142972	Gmdrm	hypo	CHG	-0.7888
Gm01	39143627	39143966	Gmdrm	hypo	CHG	-0.6933
Gm01	39180379	39180621	Gmdrm	hypo	CHG	-0.6283
Gm01	39187613	39187877	Gmdrm	hypo	CHG	-0.566
Gm01	39207008	39207280	Gmdrm	hypo	CHG	-0.045
Gm01	39211287	39211459	Gmdrm	hypo	CHG	-0.4029
Gm01	39220180	39220460	Gmdrm	hypo	CHG	-0.3892
Gm01	39223440	39223505	Gmdrm	hypo	CHG	-0.425
Gm01	39281650	39281751	Gmdrm	hypo	CHG	-0.8975
Gm01	39282968	39283565	Gmdrm	hypo	CHG	-0.5944
Gm01	39292492	39292519	Gmdrm	hypo	CHG	-0.656
Gm01	39296226	39296366	Gmdrm	hypo	CHG	-0.7
Gm01	39299233	39299524	Gmdrm	hypo	CHG	-0.3275
Gm01	39301724	39302226	Gmdrm	hypo	CHG	-0.2762
Gm01	39319041	39319240	Gmdrm	hypo	CHG	-0.287
Gm01	39319403	39319720	Gmdrm	hypo	CHG	-0.435

Gm01	39413200	39413287	Gmdrm	hypo	CHG	-0.31
Gm01	39414276	39414589	Gmdrm	hypo	CHG	-0.2773
Gm01	39481060	39481338	Gmdrm	hypo	CHG	-0.3792
Gm01	39481504	39481883	Gmdrm	hypo	CHG	-0.13
Gm01	39484337	39484472	Gmdrm	hypo	CHG	-0.5471
Gm01	39487142	39487212	Gmdrm	hypo	CHG	-0.58
Gm01	39487850	39487994	Gmdrm	hypo	CHG	-0.4412
Gm01	39505521	39505868	Gmdrm	hypo	CHG	-0.2274
Gm01	39506726	39506926	Gmdrm	hypo	CHG	-0.2852
Gm01	39508116	39508146	Gmdrm	hypo	CHG	-0.464
Gm01	39508576	39508711	Gmdrm	hypo	CHG	-0.2808
Gm01	39509046	39509363	Gmdrm	hypo	CHG	-0.1959
Gm01	39511413	39511538	Gmdrm	hypo	CHG	-0.4112
Gm01	39514951	39515179	Gmdrm	hypo	CHG	-0.2192
Gm01	39515443	39515833	Gmdrm	hypo	CHG	-0.1817
Gm01	39520765	39520808	Gmdrm	hypo	CHG	-0.4284
Gm01	39529185	39529344	Gmdrm	hypo	CHG	-0.2786
Gm01	39535689	39536364	Gmdrm	hypo	CHG	-0.1871
Gm01	39539649	39539795	Gmdrm	hypo	CHG	-0.303
Gm01	39539912	39540107	Gmdrm	hypo	CHG	-0.3753
Gm01	39584159	39584168	Gmdrm	hypo	CHG	-0.16
Gm01	39826176	39826478	Gmdrm	hypo	CHG	-0.8025
Gm01	39850113	39850511	Gmdrm	hypo	CHG	-0.37
Gm01	39876446	39876762	Gmdrm	hypo	CHG	-0.7044
Gm01	39911537	39911596	Gmdrm	hypo	CHG	-0.3529
Gm01	40108492	40108510	Gmdrm	hypo	CHG	-0.1737
Gm01	40223287	40223387	Gmdrm	hypo	CHG	-0.514
Gm01	40297096	40297817	Gmdrm	hypo	CHG	-0.1773
Gm01	40306522	40306676	Gmdrm	hypo	CHG	-0.642
Gm01	40308678	40308922	Gmdrm	hypo	CHG	-0.42
Gm01	40313972	40314744	Gmdrm	hypo	CHG	-0.2955
Gm01	40315400	40315551	Gmdrm	hypo	CHG	-0.345
Gm01	40516263	40516452	Gmdrm	hypo	CHG	-0.555
Gm01	40551022	40551420	Gmdrm	hypo	CHG	-0.7286
Gm01	40551729	40552125	Gmdrm	hypo	CHG	-0.8145
Gm01	40597022	40597094	Gmdrm	hypo	CHG	-0.07
Gm01	40602253	40602781	Gmdrm	hypo	CHG	-0.0519
Gm01	40629887	40630021	Gmdrm	hypo	CHG	-0.49
Gm01	40640698	40641062	Gmdrm	hypo	CHG	-0.5918
Gm01	40653675	40653879	Gmdrm	hypo	CHG	-0.3984
Gm01	40655330	40655467	Gmdrm	hypo	CHG	-0.4988
Gm01	40673017	40673641	Gmdrm	hypo	CHG	-0.1613
Gm01	40675530	40675680	Gmdrm	hypo	CHG	-0.5374
Gm01	40695423	40695924	Gmdrm	hypo	CHG	-0.3115
Gm01	40709146	40709179	Gmdrm	hypo	CHG	-0.226
Gm01	40709358	40709427	Gmdrm	hypo	CHG	-0.53

Gm01	40711552	40711678	Gmdrm	hypo	CHG	-0.84
Gm01	40715074	40715470	Gmdrm	hypo	CHG	-0.3695
Gm01	40719806	40719902	Gmdrm	hypo	CHG	-0.596
Gm01	40723327	40723484	Gmdrm	hypo	CHG	-0.3611
Gm01	40748373	40748961	Gmdrm	hypo	CHG	-0.41
Gm01	40758338	40758454	Gmdrm	hypo	CHG	-0.4217
Gm01	40758559	40759014	Gmdrm	hypo	CHG	-0.1532
Gm01	40928282	40928583	Gmdrm	hypo	CHG	-0.0456
Gm01	40992678	40992716	Gmdrm	hypo	CHG	-0.2786
Gm01	41054907	41055119	Gmdrm	hypo	CHG	-0.2457
Gm01	41055536	41056180	Gmdrm	hypo	CHG	-0.2913
Gm01	41059953	41060270	Gmdrm	hypo	CHG	-0.095
Gm01	41138080	41138386	Gmdrm	hypo	CHG	-0.328
Gm01	41141971	41142626	Gmdrm	hypo	CHG	-0.1271
Gm01	41199804	41200025	Gmdrm	hypo	CHG	-0.1368
Gm01	41205649	41205826	Gmdrm	hypo	CHG	-0.3771
Gm01	41252184	41252239	Gmdrm	hypo	CHG	-0.2333
Gm01	41259443	41259577	Gmdrm	hypo	CHG	-0.3033
Gm01	41265635	41266108	Gmdrm	hypo	CHG	-0.5967
Gm01	41279376	41279626	Gmdrm	hypo	CHG	-0.462
Gm01	41299465	41299633	Gmdrm	hypo	CHG	-0.0629
Gm01	41325504	41325590	Gmdrm	hypo	CHG	-0.7486
Gm01	41335020	41335981	Gmdrm	hypo	CHG	-0.3171
Gm01	41339757	41339908	Gmdrm	hypo	CHG	-0.14
Gm01	41356012	41356101	Gmdrm	hypo	CHG	-0.204
Gm01	41367180	41367296	Gmdrm	hypo	CHG	-0.8672
Gm01	41384602	41385139	Gmdrm	hypo	CHG	-0.2624
Gm01	41400330	41400528	Gmdrm	hypo	CHG	-0.312
Gm01	41417402	41417558	Gmdrm	hypo	CHG	-0.3014
Gm01	41418823	41419121	Gmdrm	hypo	CHG	-0.4011
Gm01	41423006	41423126	Gmdrm	hypo	CHG	-0.472
Gm01	41423623	41423769	Gmdrm	hypo	CHG	-0.8093
Gm01	41433480	41434473	Gmdrm	hypo	CHG	-0.2109
Gm01	41444816	41444975	Gmdrm	hypo	CHG	-0.045
Gm01	41453031	41453120	Gmdrm	hypo	CHG	-0.6417
Gm01	41453496	41453595	Gmdrm	hypo	CHG	-0.2567
Gm01	41453779	41453835	Gmdrm	hypo	CHG	-0.192
Gm01	41455348	41455390	Gmdrm	hypo	CHG	-0.6766
Gm01	41455828	41455894	Gmdrm	hypo	CHG	-0.63
Gm01	41456620	41456680	Gmdrm	hypo	CHG	-0.706
Gm01	41456808	41457137	Gmdrm	hypo	CHG	-0.6452
Gm01	41459588	41459744	Gmdrm	hypo	CHG	-0.47
Gm01	41467422	41467590	Gmdrm	hypo	CHG	-0.75
Gm01	41513285	41513413	Gmdrm	hypo	CHG	-0.2657
Gm01	41521649	41521716	Gmdrm	hypo	CHG	-0.6817
Gm01	41532402	41532489	Gmdrm	hypo	CHG	-0.484

Gm01	41532934	41533107	Gmdrm	hypo	CHG	-0.8714
Gm01	41538800	41539147	Gmdrm	hypo	CHG	-0.8671
Gm01	41550003	41550234	Gmdrm	hypo	CHG	-0.7892
Gm01	41580653	41581195	Gmdrm	hypo	CHG	-0.2479
Gm01	41633830	41633948	Gmdrm	hypo	CHG	-0.4267
Gm01	41634309	41634348	Gmdrm	hypo	CHG	-0.5414
Gm01	41635261	41635280	Gmdrm	hypo	CHG	-0.475
Gm01	41673270	41673395	Gmdrm	hypo	CHG	-0.4317
Gm01	41673503	41674046	Gmdrm	hypo	CHG	-0.6424
Gm01	41678406	41678668	Gmdrm	hypo	CHG	-0.3912
Gm01	41804495	41804539	Gmdrm	hypo	CHG	-0.03
Gm01	41804951	41805209	Gmdrm	hypo	CHG	-0.9057
Gm01	41806209	41806322	Gmdrm	hypo	CHG	-0.6443
Gm01	41825053	41825241	Gmdrm	hypo	CHG	-0.5362
Gm01	41829887	41830787	Gmdrm	hypo	CHG	-0.2628
Gm01	41845068	41845140	Gmdrm	hypo	CHG	-0.3843
Gm01	41845465	41845501	Gmdrm	hypo	CHG	-0.4017
Gm01	41846787	41846815	Gmdrm	hypo	CHG	-0.278
Gm01	41847182	41847217	Gmdrm	hypo	CHG	-0.4917
Gm01	41847593	41847757	Gmdrm	hypo	CHG	-0.1043
Gm01	41849233	41849348	Gmdrm	hypo	CHG	-0.046
Gm01	41850538	41850624	Gmdrm	hypo	CHG	-0.21
Gm01	41850735	41851044	Gmdrm	hypo	CHG	-0.1591
Gm01	41881251	41881541	Gmdrm	hypo	CHG	-0.5874
Gm01	41883225	41883370	Gmdrm	hypo	CHG	-0.4011
Gm01	41883739	41884111	Gmdrm	hypo	CHG	-0.1645
Gm01	41896944	41897052	Gmdrm	hypo	CHG	-0.79
Gm01	41904435	41904869	Gmdrm	hypo	CHG	-0.4747
Gm01	41964267	41964577	Gmdrm	hypo	CHG	-0.207
Gm01	41969914	41970150	Gmdrm	hypo	CHG	-0.1574
Gm01	41998408	41998535	Gmdrm	hypo	CHG	-0.1655
Gm01	42034981	42035172	Gmdrm	hypo	CHG	-0.7243
Gm01	42035428	42035817	Gmdrm	hypo	CHG	-0.5332
Gm01	42037334	42037839	Gmdrm	hypo	CHG	-0.3232
Gm01	42038458	42038630	Gmdrm	hypo	CHG	-0.584
Gm01	42043518	42043688	Gmdrm	hypo	CHG	-0.3034
Gm01	42046546	42046850	Gmdrm	hypo	CHG	-0.3552
Gm01	42060239	42060289	Gmdrm	hypo	CHG	-0.0833
Gm01	42060799	42060945	Gmdrm	hypo	CHG	-0.2285
Gm01	42062195	42062439	Gmdrm	hypo	CHG	-0.6669
Gm01	42116902	42117089	Gmdrm	hypo	CHG	-0.0711
Gm01	42170099	42170213	Gmdrm	hypo	CHG	-0.2238
Gm01	42363159	42363664	Gmdrm	hypo	CHG	-0.1459
Gm01	42395642	42395837	Gmdrm	hypo	CHG	-0.4478
Gm01	42413703	42414015	Gmdrm	hypo	CHG	-0.22
Gm01	42434025	42434073	Gmdrm	hypo	CHG	-0.0633

Gm01	42440628	42440705	Gmdrm	hypo	CHG	-0.466
Gm01	42502697	42502795	Gmdrm	hypo	CHG	-0.7
Gm01	42505535	42505917	Gmdrm	hypo	CHG	-0.5896
Gm01	42512905	42513345	Gmdrm	hypo	CHG	-0.5392
Gm01	42531085	42531236	Gmdrm	hypo	CHG	-0.2311
Gm01	42531356	42531432	Gmdrm	hypo	CHG	-0.314
Gm01	42531568	42531801	Gmdrm	hypo	CHG	-0.3406
Gm01	42533045	42533224	Gmdrm	hypo	CHG	-0.3291
Gm01	42534725	42534783	Gmdrm	hypo	CHG	-0.668
Gm01	42708268	42708428	Gmdrm	hypo	CHG	-0.048
Gm01	42708981	42709037	Gmdrm	hypo	CHG	-0.5216
Gm01	42891717	42892387	Gmdrm	hypo	CHG	-0.1731
Gm01	42916117	42916287	Gmdrm	hypo	CHG	-0.044
Gm01	42933717	42933744	Gmdrm	hypo	CHG	-0.1483
Gm01	42952673	42952816	Gmdrm	hypo	CHG	-0.308
Gm01	42953970	42954094	Gmdrm	hypo	CHG	-0.6063
Gm01	42955849	42955954	Gmdrm	hypo	CHG	-0.7991
Gm01	42972811	42973049	Gmdrm	hypo	CHG	-0.365
Gm01	42976382	42976559	Gmdrm	hypo	CHG	-0.497
Gm01	42977053	42977088	Gmdrm	hypo	CHG	-0.136
Gm01	42977204	42977320	Gmdrm	hypo	CHG	-0.5083
Gm01	42977566	42977629	Gmdrm	hypo	CHG	-0.6416
Gm01	42977736	42977855	Gmdrm	hypo	CHG	-0.6575
Gm01	42980618	42981287	Gmdrm	hypo	CHG	-0.3876
Gm01	42981722	42981858	Gmdrm	hypo	CHG	-0.1725
Gm01	42982128	42982776	Gmdrm	hypo	CHG	-0.0924
Gm01	43007764	43007865	Gmdrm	hypo	CHG	-0.665
Gm01	43008045	43008251	Gmdrm	hypo	CHG	-0.6328
Gm01	43102433	43102539	Gmdrm	hypo	CHG	-0.285
Gm01	43103100	43103436	Gmdrm	hypo	CHG	-0.2494
Gm01	43130560	43130761	Gmdrm	hypo	CHG	-0.4333
Gm01	43146228	43146323	Gmdrm	hypo	CHG	-0.6534
Gm01	43150070	43150377	Gmdrm	hypo	CHG	-0.2395
Gm01	43151345	43151521	Gmdrm	hypo	CHG	-0.2554
Gm01	43152898	43153476	Gmdrm	hypo	CHG	-0.2317
Gm01	43366185	43366568	Gmdrm	hypo	CHG	-0.4053
Gm01	43366824	43367074	Gmdrm	hypo	CHG	-0.401
Gm01	43369447	43369668	Gmdrm	hypo	CHG	-0.5455
Gm01	43405252	43405931	Gmdrm	hypo	CHG	-0.1263
Gm01	43434269	43434387	Gmdrm	hypo	CHG	-0.6434
Gm01	43442891	43443320	Gmdrm	hypo	CHG	-0.3088
Gm01	43599853	43599973	Gmdrm	hypo	CHG	-0.1288
Gm01	43630067	43630741	Gmdrm	hypo	CHG	-0.1962
Gm01	43638987	43639317	Gmdrm	hypo	CHG	-0.7723
Gm01	43640012	43640092	Gmdrm	hypo	CHG	-0.792
Gm01	43662910	43662989	Gmdrm	hypo	CHG	-0.2472

Gm01	43691593	43691663	Gmdrm	hypo	CHG	-0.22
Gm01	43807950	43808205	Gmdrm	hypo	CHG	-0.281
Gm01	43837949	43837980	Gmdrm	hypo	CHG	-0.468
Gm01	43841058	43841267	Gmdrm	hypo	CHG	-0.3382
Gm01	43934709	43934777	Gmdrm	hypo	CHG	-0.8166
Gm01	43942528	43942870	Gmdrm	hypo	CHG	-0.039
Gm01	43943486	43943560	Gmdrm	hypo	CHG	-0.4417
Gm01	43955811	43955923	Gmdrm	hypo	CHG	-0.398
Gm01	43994129	43994240	Gmdrm	hypo	CHG	-0.036
Gm01	44013391	44013486	Gmdrm	hypo	CHG	-0.28
Gm01	44018444	44018673	Gmdrm	hypo	CHG	-0.7539
Gm01	44019059	44019231	Gmdrm	hypo	CHG	-0.85
Gm01	44019339	44019693	Gmdrm	hypo	CHG	-0.5891
Gm01	44019897	44020101	Gmdrm	hypo	CHG	-0.5689
Gm01	44024266	44024356	Gmdrm	hypo	CHG	-0.3613
Gm01	44028569	44029272	Gmdrm	hypo	CHG	-0.2477
Gm01	44029404	44029514	Gmdrm	hypo	CHG	-0.56
Gm01	44072302	44073036	Gmdrm	hypo	CHG	-0.6963
Gm01	44077866	44077992	Gmdrm	hypo	CHG	-0.5584
Gm01	44090715	44090819	Gmdrm	hypo	CHG	-0.265
Gm01	44120109	44120304	Gmdrm	hypo	CHG	-0.1276
Gm01	44174706	44174786	Gmdrm	hypo	CHG	-0.255
Gm01	44186216	44186550	Gmdrm	hypo	CHG	-0.2814
Gm01	44186747	44187138	Gmdrm	hypo	CHG	-0.32
Gm01	44226603	44226680	Gmdrm	hypo	CHG	-0.8564
Gm01	44226791	44226911	Gmdrm	hypo	CHG	-0.8411
Gm01	44245961	44246005	Gmdrm	hypo	CHG	-0.052
Gm01	44267962	44268012	Gmdrm	hypo	CHG	-0.072
Gm01	44270635	44270783	Gmdrm	hypo	CHG	-0.347
Gm01	44280633	44280785	Gmdrm	hypo	CHG	-0.5093
Gm01	44280974	44281056	Gmdrm	hypo	CHG	-0.8817
Gm01	44288596	44288729	Gmdrm	hypo	CHG	-0.472
Gm01	44313448	44313538	Gmdrm	hypo	CHG	-0.6617
Gm01	44320877	44321025	Gmdrm	hypo	CHG	-0.201
Gm01	44326333	44326459	Gmdrm	hypo	CHG	-0.024
Gm01	44326619	44326795	Gmdrm	hypo	CHG	-0.35
Gm01	44333155	44333296	Gmdrm	hypo	CHG	-0.4423
Gm01	44342771	44342873	Gmdrm	hypo	CHG	-0.46
Gm01	44343057	44343148	Gmdrm	hypo	CHG	-0.668
Gm01	44343303	44343370	Gmdrm	hypo	CHG	-0.5012
Gm01	44535642	44535917	Gmdrm	hypo	CHG	-0.058
Gm01	44539929	44540232	Gmdrm	hypo	CHG	-0.322
Gm01	44543043	44543155	Gmdrm	hypo	CHG	-0.9014
Gm01	44543439	44543846	Gmdrm	hypo	CHG	-0.3129
Gm01	44567759	44567814	Gmdrm	hypo	CHG	-0.0729
Gm01	44579147	44579340	Gmdrm	hypo	CHG	-0.8562

Gm01	44585812	44585905	Gmdrm	hypo	CHG	-0.8717
Gm01	44614839	44615205	Gmdrm	hypo	CHG	-0.3884
Gm01	44645696	44646007	Gmdrm	hypo	CHG	-0.088
Gm01	44657956	44658066	Gmdrm	hypo	CHG	-0.4
Gm01	44684054	44684835	Gmdrm	hypo	CHG	-0.406
Gm01	44697218	44697449	Gmdrm	hypo	CHG	-0.3785
Gm01	44697844	44697969	Gmdrm	hypo	CHG	-0.041
Gm01	44705154	44705360	Gmdrm	hypo	CHG	-0.036
Gm01	44794998	44795032	Gmdrm	hypo	CHG	-0.545
Gm01	44803978	44804040	Gmdrm	hypo	CHG	-0.2566
Gm01	44817382	44817757	Gmdrm	hypo	CHG	-0.35
Gm01	44818171	44818232	Gmdrm	hypo	CHG	-0.6243
Gm01	44818451	44818510	Gmdrm	hypo	CHG	-0.264
Gm01	44819041	44819148	Gmdrm	hypo	CHG	-0.3684
Gm01	44881445	44881619	Gmdrm	hypo	CHG	-0.3571
Gm01	44881919	44881988	Gmdrm	hypo	CHG	-0.3737
Gm01	44882160	44882270	Gmdrm	hypo	CHG	-0.425
Gm01	44913430	44913515	Gmdrm	hypo	CHG	-0.56
Gm01	44968996	44969148	Gmdrm	hypo	CHG	-0.4782
Gm01	44972256	44972476	Gmdrm	hypo	CHG	-0.5165
Gm01	44977581	44977988	Gmdrm	hypo	CHG	-0.2644
Gm01	44990649	44991299	Gmdrm	hypo	CHG	-0.1521
Gm01	44992085	44992668	Gmdrm	hypo	CHG	-0.7566
Gm01	44998844	44999165	Gmdrm	hypo	CHG	-0.6728
Gm01	45001431	45001477	Gmdrm	hypo	CHG	-0.042
Gm01	45004969	45005338	Gmdrm	hypo	CHG	-0.3433
Gm01	45008667	45009159	Gmdrm	hypo	CHG	-0.6457
Gm01	45009704	45009967	Gmdrm	hypo	CHG	-0.5172
Gm01	45034731	45034837	Gmdrm	hypo	CHG	-0.0783
Gm01	45052753	45053053	Gmdrm	hypo	CHG	-0.2556
Gm01	45062998	45063166	Gmdrm	hypo	CHG	-0.4608
Gm01	45070477	45070530	Gmdrm	hypo	CHG	-0.24
Gm01	45103355	45103477	Gmdrm	hypo	CHG	-0.5024
Gm01	45105719	45106485	Gmdrm	hypo	CHG	-0.3275
Gm01	45114938	45114985	Gmdrm	hypo	CHG	-0.246
Gm01	45118655	45118683	Gmdrm	hypo	CHG	-0.806
Gm01	45130018	45130126	Gmdrm	hypo	CHG	-0.422
Gm01	45130433	45130513	Gmdrm	hypo	CHG	-0.6328
Gm01	45130763	45130884	Gmdrm	hypo	CHG	-0.7463
Gm01	45134524	45134651	Gmdrm	hypo	CHG	-0.3966
Gm01	45134812	45134862	Gmdrm	hypo	CHG	-0.6067
Gm01	45135919	45136039	Gmdrm	hypo	CHG	-0.3967
Gm01	45137449	45137613	Gmdrm	hypo	CHG	-0.4416
Gm01	45138218	45138484	Gmdrm	hypo	CHG	-0.6786
Gm01	45157079	45157326	Gmdrm	hypo	CHG	-0.3625
Gm01	45158908	45159014	Gmdrm	hypo	CHG	-0.3686

Gm01	45160377	45160502	Gmdrm	hypo	CHG	-0.2033
Gm01	45165385	45165671	Gmdrm	hypo	CHG	-0.6729
Gm01	45167298	45167406	Gmdrm	hypo	CHG	-0.6937
Gm01	45171915	45172107	Gmdrm	hypo	CHG	-0.562
Gm01	45180774	45181202	Gmdrm	hypo	CHG	-0.7
Gm01	45181465	45181787	Gmdrm	hypo	CHG	-0.2546
Gm01	45187846	45188072	Gmdrm	hypo	CHG	-0.09
Gm01	45190040	45190133	Gmdrm	hypo	CHG	-0.75
Gm01	45190329	45190457	Gmdrm	hypo	CHG	-0.6818
Gm01	45190564	45190717	Gmdrm	hypo	CHG	-0.7075
Gm01	45191391	45191477	Gmdrm	hypo	CHG	-0.3488
Gm01	45191581	45192016	Gmdrm	hypo	CHG	-0.5738
Gm01	45192176	45192627	Gmdrm	hypo	CHG	-0.686
Gm01	45192741	45192901	Gmdrm	hypo	CHG	-0.4262
Gm01	45194673	45195194	Gmdrm	hypo	CHG	-0.3193
Gm01	45195876	45196276	Gmdrm	hypo	CHG	-0.2679
Gm01	45196390	45196511	Gmdrm	hypo	CHG	-0.2583
Gm01	45207803	45208020	Gmdrm	hypo	CHG	-0.2291
Gm01	45208122	45208480	Gmdrm	hypo	CHG	-0.0886
Gm01	45214073	45214103	Gmdrm	hypo	CHG	-0.72
Gm01	45221125	45221262	Gmdrm	hypo	CHG	-0.7763
Gm01	45221536	45221658	Gmdrm	hypo	CHG	-0.3466
Gm01	45223909	45224110	Gmdrm	hypo	CHG	-0.3587
Gm01	45224328	45224404	Gmdrm	hypo	CHG	-0.8474
Gm01	45224566	45224960	Gmdrm	hypo	CHG	-0.2309
Gm01	45232505	45233471	Gmdrm	hypo	CHG	-0.0508
Gm01	45239693	45239778	Gmdrm	hypo	CHG	-0.615
Gm01	45244100	45244177	Gmdrm	hypo	CHG	-0.4733
Gm01	45245974	45246218	Gmdrm	hypo	CHG	-0.3467
Gm01	45246329	45246371	Gmdrm	hypo	CHG	-0.8117
Gm01	45246508	45246580	Gmdrm	hypo	CHG	-0.806
Gm01	45304281	45304401	Gmdrm	hypo	CHG	-0.455
Gm01	45310932	45310984	Gmdrm	hypo	CHG	-0.466
Gm01	45320897	45320965	Gmdrm	hypo	CHG	-0.3883
Gm01	45340163	45340245	Gmdrm	hypo	CHG	-0.8155
Gm01	45349853	45349968	Gmdrm	hypo	CHG	-0.305
Gm01	45354291	45354627	Gmdrm	hypo	CHG	-0.2148
Gm01	45360012	45360151	Gmdrm	hypo	CHG	-0.303
Gm01	45361208	45361380	Gmdrm	hypo	CHG	-0.303
Gm01	45387872	45388066	Gmdrm	hypo	CHG	-0.7069
Gm01	45388391	45388534	Gmdrm	hypo	CHG	-0.89
Gm01	45398786	45398951	Gmdrm	hypo	CHG	-0.456
Gm01	45413483	45413594	Gmdrm	hypo	CHG	-0.48
Gm01	45426348	45426576	Gmdrm	hypo	CHG	-0.3975
Gm01	45427183	45427385	Gmdrm	hypo	CHG	-0.05
Gm01	45435098	45435211	Gmdrm	hypo	CHG	-0.5483

Gm01	45465150	45465204	Gmdrm	hypo	CHG	-0.498
Gm01	45468935	45469027	Gmdrm	hypo	CHG	-0.1657
Gm01	45475069	45475269	Gmdrm	hypo	CHG	-0.3685
Gm01	45481187	45481686	Gmdrm	hypo	CHG	-0.2545
Gm01	45496206	45496757	Gmdrm	hypo	CHG	-0.3237
Gm01	45501399	45501478	Gmdrm	hypo	CHG	-0.4442
Gm01	45545494	45545687	Gmdrm	hypo	CHG	-0.4569
Gm01	45548968	45549056	Gmdrm	hypo	CHG	-0.5333
Gm01	45586461	45586662	Gmdrm	hypo	CHG	-0.3108
Gm01	45587942	45588123	Gmdrm	hypo	CHG	-0.4078
Gm01	45593273	45593402	Gmdrm	hypo	CHG	-0.0983
Gm01	45594437	45594731	Gmdrm	hypo	CHG	-0.3338
Gm01	45617444	45617464	Gmdrm	hypo	CHG	-0.1933
Gm01	45628859	45628962	Gmdrm	hypo	CHG	-0.0383
Gm01	45726203	45726454	Gmdrm	hypo	CHG	-0.763
Gm01	45773818	45774373	Gmdrm	hypo	CHG	-0.4512
Gm01	45775693	45776163	Gmdrm	hypo	CHG	-0.1375
Gm01	45776291	45776984	Gmdrm	hypo	CHG	-0.033
Gm01	45809876	45809932	Gmdrm	hypo	CHG	-0.616
Gm01	45810120	45810214	Gmdrm	hypo	CHG	-0.5583
Gm01	45821111	45821579	Gmdrm	hypo	CHG	-0.289
Gm01	45823428	45823529	Gmdrm	hypo	CHG	-0.552
Gm01	45843345	45843636	Gmdrm	hypo	CHG	-0.09
Gm01	45845401	45845644	Gmdrm	hypo	CHG	-0.4127
Gm01	45883356	45883553	Gmdrm	hypo	CHG	-0.5846
Gm01	45883898	45884034	Gmdrm	hypo	CHG	-0.6189
Gm01	45886579	45886685	Gmdrm	hypo	CHG	-0.048
Gm01	45906559	45906695	Gmdrm	hypo	CHG	-0.3019
Gm01	45907907	45908085	Gmdrm	hypo	CHG	-0.0328
Gm01	45908244	45908333	Gmdrm	hypo	CHG	-0.717
Gm01	45910992	45911129	Gmdrm	hypo	CHG	-0.442
Gm01	45938533	45938785	Gmdrm	hypo	CHG	-0.425
Gm01	45950238	45950367	Gmdrm	hypo	CHG	-0.5684
Gm01	45960279	45960396	Gmdrm	hypo	CHG	-0.822
Gm01	45970552	45970716	Gmdrm	hypo	CHG	-0.587
Gm01	45971733	45972100	Gmdrm	hypo	CHG	-0.6546
Gm01	45972733	45972973	Gmdrm	hypo	CHG	-0.3275
Gm01	45973113	45973333	Gmdrm	hypo	CHG	-0.3127
Gm01	45980272	45980617	Gmdrm	hypo	CHG	-0.3547
Gm01	46028157	46028226	Gmdrm	hypo	CHG	-0.5443
Gm01	46028363	46028461	Gmdrm	hypo	CHG	-0.7087
Gm01	46036289	46036388	Gmdrm	hypo	CHG	-0.1833
Gm01	46051113	46051211	Gmdrm	hypo	CHG	-0.184
Gm01	46157025	46157083	Gmdrm	hypo	CHG	-0.0517
Gm01	46176783	46176907	Gmdrm	hypo	CHG	-0.3686
Gm01	46177240	46177576	Gmdrm	hypo	CHG	-0.7925

Gm01	46185062	46185104	Gmdrm	hypo	CHG	-0.7713
Gm01	46189686	46189891	Gmdrm	hypo	CHG	-0.51
Gm01	46198047	46198545	Gmdrm	hypo	CHG	-0.1664
Gm01	46199626	46199781	Gmdrm	hypo	CHG	-0.7
Gm01	46202320	46202456	Gmdrm	hypo	CHG	-0.1887
Gm01	46286775	46287459	Gmdrm	hypo	CHG	-0.7803
Gm01	46287663	46287791	Gmdrm	hypo	CHG	-0.9133
Gm01	46315117	46315452	Gmdrm	hypo	CHG	-0.4962
Gm01	46320605	46320716	Gmdrm	hypo	CHG	-0.7883
Gm01	46321683	46321721	Gmdrm	hypo	CHG	-0.3563
Gm01	46321947	46322316	Gmdrm	hypo	CHG	-0.528
Gm01	46329045	46329207	Gmdrm	hypo	CHG	-0.07
Gm01	46350973	46351479	Gmdrm	hypo	CHG	-0.1746
Gm01	46351625	46351957	Gmdrm	hypo	CHG	-0.3469
Gm01	46361857	46362002	Gmdrm	hypo	CHG	-0.03
Gm01	46387692	46387946	Gmdrm	hypo	CHG	-0.3
Gm01	46394273	46394311	Gmdrm	hypo	CHG	-0.72
Gm01	46398931	46399611	Gmdrm	hypo	CHG	-0.243
Gm01	46431525	46431708	Gmdrm	hypo	CHG	-0.36
Gm01	46432900	46433123	Gmdrm	hypo	CHG	-0.5247
Gm01	46439446	46440107	Gmdrm	hypo	CHG	-0.1661
Gm01	46450426	46450633	Gmdrm	hypo	CHG	-0.4147
Gm01	46450907	46451149	Gmdrm	hypo	CHG	-0.6148
Gm01	46466174	46466357	Gmdrm	hypo	CHG	-0.8409
Gm01	46466815	46467119	Gmdrm	hypo	CHG	-0.6475
Gm01	46478980	46479056	Gmdrm	hypo	CHG	-0.5017
Gm01	46488075	46488440	Gmdrm	hypo	CHG	-0.2265
Gm01	46488576	46488723	Gmdrm	hypo	CHG	-0.428
Gm01	46490505	46490711	Gmdrm	hypo	CHG	-0.0578
Gm01	46493473	46493679	Gmdrm	hypo	CHG	-0.5893
Gm01	46496529	46496792	Gmdrm	hypo	CHG	-0.5238
Gm01	46540503	46540649	Gmdrm	hypo	CHG	-0.7528
Gm01	46541342	46541399	Gmdrm	hypo	CHG	-0.88
Gm01	46563400	46563456	Gmdrm	hypo	CHG	-0.384
Gm01	46563790	46564100	Gmdrm	hypo	CHG	-0.3827
Gm01	46608610	46609054	Gmdrm	hypo	CHG	-0.3041
Gm01	46627789	46628079	Gmdrm	hypo	CHG	-0.608
Gm01	46635822	46635957	Gmdrm	hypo	CHG	-0.4555
Gm01	46636202	46636568	Gmdrm	hypo	CHG	-0.3219
Gm01	46675289	46675560	Gmdrm	hypo	CHG	-0.6482
Gm01	46678802	46679163	Gmdrm	hypo	CHG	-0.5489
Gm01	46679288	46679650	Gmdrm	hypo	CHG	-0.4432
Gm01	46681942	46682576	Gmdrm	hypo	CHG	-0.1585
Gm01	46723993	46724173	Gmdrm	hypo	CHG	-0.71
Gm01	46734984	46735157	Gmdrm	hypo	CHG	-0.496
Gm01	46742580	46742678	Gmdrm	hypo	CHG	-0.352

Gm01	46742850	46742959	Gmdrm	hypo	CHG	-0.38
Gm01	46745244	46745381	Gmdrm	hypo	CHG	-0.03
Gm01	46807694	46807855	Gmdrm	hypo	CHG	-0.8523
Gm01	46856616	46857204	Gmdrm	hypo	CHG	-0.2252
Gm01	46857691	46857815	Gmdrm	hypo	CHG	-0.3393
Gm01	46869313	46869451	Gmdrm	hypo	CHG	-0.2305
Gm01	46880846	46880988	Gmdrm	hypo	CHG	-0.4175
Gm01	46890136	46890249	Gmdrm	hypo	CHG	-0.2971
Gm01	46914361	46914465	Gmdrm	hypo	CHG	-0.04
Gm01	46947269	46947412	Gmdrm	hypo	CHG	-0.318
Gm01	46954408	46954637	Gmdrm	hypo	CHG	-0.3233
Gm01	46962124	46962204	Gmdrm	hypo	CHG	-0.62
Gm01	47030953	47031128	Gmdrm	hypo	CHG	-0.8113
Gm01	47035824	47035903	Gmdrm	hypo	CHG	-0.0971
Gm01	47036264	47036420	Gmdrm	hypo	CHG	-0.7614
Gm01	47054884	47054978	Gmdrm	hypo	CHG	-0.691
Gm01	47108182	47108257	Gmdrm	hypo	CHG	-0.67
Gm01	47109064	47109120	Gmdrm	hypo	CHG	-0.45
Gm01	47110742	47110848	Gmdrm	hypo	CHG	-0.1566
Gm01	47111265	47111375	Gmdrm	hypo	CHG	-0.8062
Gm01	47118783	47119079	Gmdrm	hypo	CHG	-0.5906
Gm01	47148826	47148929	Gmdrm	hypo	CHG	-0.3751
Gm01	47149280	47149389	Gmdrm	hypo	CHG	-0.5257
Gm01	47150056	47150168	Gmdrm	hypo	CHG	-0.5516
Gm01	47204446	47204523	Gmdrm	hypo	CHG	-0.515
Gm01	47206246	47206410	Gmdrm	hypo	CHG	-0.5783
Gm01	47209255	47209354	Gmdrm	hypo	CHG	-0.074
Gm01	47212214	47212390	Gmdrm	hypo	CHG	-0.2266
Gm01	47238812	47239184	Gmdrm	hypo	CHG	-0.2409
Gm01	47270390	47270490	Gmdrm	hypo	CHG	-0.5884
Gm01	47270601	47270629	Gmdrm	hypo	CHG	-0.428
Gm01	47334101	47334193	Gmdrm	hypo	CHG	-0.1617
Gm01	47407613	47407734	Gmdrm	hypo	CHG	-0.6486
Gm01	47408135	47408221	Gmdrm	hypo	CHG	-0.5983
Gm01	47418752	47418840	Gmdrm	hypo	CHG	-0.5157
Gm01	47418948	47419000	Gmdrm	hypo	CHG	-0.623
Gm01	47419125	47419722	Gmdrm	hypo	CHG	-0.4759
Gm01	47419877	47420230	Gmdrm	hypo	CHG	-0.4452
Gm01	47422385	47422798	Gmdrm	hypo	CHG	-0.197
Gm01	47463614	47464263	Gmdrm	hypo	CHG	-0.267
Gm01	47482066	47482182	Gmdrm	hypo	CHG	-0.435
Gm01	47506823	47506978	Gmdrm	hypo	CHG	-0.7759
Gm01	47514289	47514835	Gmdrm	hypo	CHG	-0.197
Gm01	47520999	47521251	Gmdrm	hypo	CHG	-0.516
Gm01	47521369	47522195	Gmdrm	hypo	CHG	-0.1453
Gm01	47524929	47525176	Gmdrm	hypo	CHG	-0.2218

Gm01	47531358	47531727	Gmdrm	hypo	CHG	-0.421
Gm01	47537191	47537310	Gmdrm	hypo	CHG	-0.294
Gm01	47544696	47544783	Gmdrm	hypo	CHG	-0.038
Gm01	47558826	47559069	Gmdrm	hypo	CHG	-0.5931
Gm01	47602853	47603009	Gmdrm	hypo	CHG	-0.4811
Gm01	47619309	47619382	Gmdrm	hypo	CHG	-0.644
Gm01	47676231	47676823	Gmdrm	hypo	CHG	-0.191
Gm01	47707193	47707494	Gmdrm	hypo	CHG	-0.0625
Gm01	47708366	47709326	Gmdrm	hypo	CHG	-0.1683
Gm01	47709373	47710039	Gmdrm	hypo	CHG	-0.2606
Gm01	47710404	47710477	Gmdrm	hypo	CHG	-0.0584
Gm01	47713196	47713389	Gmdrm	hypo	CHG	-0.4633
Gm01	47713490	47713670	Gmdrm	hypo	CHG	-0.5483
Gm01	47721409	47721516	Gmdrm	hypo	CHG	-0.405
Gm01	47721648	47722045	Gmdrm	hypo	CHG	-0.6854
Gm01	47724876	47725072	Gmdrm	hypo	CHG	-0.2933
Gm01	47727579	47727675	Gmdrm	hypo	CHG	-0.24
Gm01	47739149	47739489	Gmdrm	hypo	CHG	-0.1438
Gm01	47746868	47747386	Gmdrm	hypo	CHG	-0.4976
Gm01	47754223	47754294	Gmdrm	hypo	CHG	-0.3467
Gm01	47759351	47759714	Gmdrm	hypo	CHG	-0.2459
Gm01	47776882	47777119	Gmdrm	hypo	CHG	-0.261
Gm01	47778449	47778878	Gmdrm	hypo	CHG	-0.29
Gm01	47783854	47784006	Gmdrm	hypo	CHG	-0.7367
Gm01	47787112	47787338	Gmdrm	hypo	CHG	-0.05
Gm01	47809989	47810442	Gmdrm	hypo	CHG	-0.4319
Gm01	47873633	47873803	Gmdrm	hypo	CHG	-0.427
Gm01	47873945	47874173	Gmdrm	hypo	CHG	-0.108
Gm01	47891809	47892507	Gmdrm	hypo	CHG	-0.5997
Gm01	47897344	47898320	Gmdrm	hypo	CHG	-0.3071
Gm01	47898651	47899629	Gmdrm	hypo	CHG	-0.2826
Gm01	47899652	47900264	Gmdrm	hypo	CHG	-0.1794
Gm01	47901419	47902147	Gmdrm	hypo	CHG	-0.1957
Gm01	47907201	47908029	Gmdrm	hypo	CHG	-0.2065
Gm01	47908215	47908806	Gmdrm	hypo	CHG	-0.13
Gm01	47914280	47914838	Gmdrm	hypo	CHG	-0.1697
Gm01	47914972	47915289	Gmdrm	hypo	CHG	-0.3557
Gm01	47916423	47917183	Gmdrm	hypo	CHG	-0.3182
Gm01	47930765	47930886	Gmdrm	hypo	CHG	-0.282
Gm01	47931176	47931689	Gmdrm	hypo	CHG	-0.0361
Gm01	47932837	47933068	Gmdrm	hypo	CHG	-0.118
Gm01	47934638	47934773	Gmdrm	hypo	CHG	-0.056
Gm01	47935823	47936133	Gmdrm	hypo	CHG	-0.0318
Gm01	48034570	48034829	Gmdrm	hypo	CHG	-0.07
Gm01	48035452	48035763	Gmdrm	hypo	CHG	-0.0412
Gm01	48039296	48040290	Gmdrm	hypo	CHG	-0.3786

Gm01	48040771	48040971	Gmdrm	hypo	CHG	-0.34
Gm01	48041078	48042049	Gmdrm	hypo	CHG	-0.4454
Gm01	48045839	48046833	Gmdrm	hypo	CHG	-0.1865
Gm01	48087987	48088226	Gmdrm	hypo	CHG	-0.2689
Gm01	48089636	48090012	Gmdrm	hypo	CHG	-0.3642
Gm01	48092301	48092336	Gmdrm	hypo	CHG	-0.654
Gm01	48092437	48092557	Gmdrm	hypo	CHG	-0.4567
Gm01	48092680	48093470	Gmdrm	hypo	CHG	-0.0915
Gm01	48141438	48141544	Gmdrm	hypo	CHG	-0.3033
Gm01	48142535	48142847	Gmdrm	hypo	CHG	-0.2663
Gm01	48143531	48143840	Gmdrm	hypo	CHG	-0.4089
Gm01	48144065	48144329	Gmdrm	hypo	CHG	-0.3333
Gm01	48144579	48144893	Gmdrm	hypo	CHG	-0.5823
Gm01	48144998	48145104	Gmdrm	hypo	CHG	-0.26
Gm01	48155982	48156237	Gmdrm	hypo	CHG	-0.3922
Gm01	48156536	48156673	Gmdrm	hypo	CHG	-0.3001
Gm01	48157986	48158173	Gmdrm	hypo	CHG	-0.303
Gm01	48166230	48166399	Gmdrm	hypo	CHG	-0.4073
Gm01	48169374	48169500	Gmdrm	hypo	CHG	-0.55
Gm01	48169612	48169928	Gmdrm	hypo	CHG	-0.4872
Gm01	48170104	48170287	Gmdrm	hypo	CHG	-0.415
Gm01	48170934	48171090	Gmdrm	hypo	CHG	-0.3037
Gm01	48172869	48173043	Gmdrm	hypo	CHG	-0.3191
Gm01	48175873	48176291	Gmdrm	hypo	CHG	-0.2992
Gm01	48214714	48214923	Gmdrm	hypo	CHG	-0.2245
Gm01	48215247	48215374	Gmdrm	hypo	CHG	-0.3286
Gm01	48220158	48220607	Gmdrm	hypo	CHG	-0.4866
Gm01	48288785	48288855	Gmdrm	hypo	CHG	-0.28
Gm01	48290389	48290703	Gmdrm	hypo	CHG	-0.2633
Gm01	48312993	48313016	Gmdrm	hypo	CHG	-0.2183
Gm01	48314272	48314519	Gmdrm	hypo	CHG	-0.088
Gm01	48326991	48327165	Gmdrm	hypo	CHG	-0.1993
Gm01	48328837	48329024	Gmdrm	hypo	CHG	-0.042
Gm01	48330229	48330280	Gmdrm	hypo	CHG	-0.3567
Gm01	48364797	48364863	Gmdrm	hypo	CHG	-0.2384
Gm01	48372724	48373111	Gmdrm	hypo	CHG	-0.1227
Gm01	48374912	48375009	Gmdrm	hypo	CHG	-0.2967
Gm01	48419681	48420211	Gmdrm	hypo	CHG	-0.3046
Gm01	48421617	48421752	Gmdrm	hypo	CHG	-0.5318
Gm01	48436499	48436565	Gmdrm	hypo	CHG	-0.275
Gm01	48459847	48459913	Gmdrm	hypo	CHG	-0.1358
Gm01	48462608	48462753	Gmdrm	hypo	CHG	-0.338
Gm01	48463298	48463533	Gmdrm	hypo	CHG	-0.2858
Gm01	48464947	48465245	Gmdrm	hypo	CHG	-0.15
Gm01	48478218	48478419	Gmdrm	hypo	CHG	-0.3165
Gm01	48505224	48505500	Gmdrm	hypo	CHG	-0.3136

Gm01	48508561	48508602	Gmdrm	hypo	CHG	-0.318
Gm01	48523251	48523569	Gmdrm	hypo	CHG	-0.273
Gm01	48532070	48532608	Gmdrm	hypo	CHG	-0.259
Gm01	48534279	48534587	Gmdrm	hypo	CHG	-0.3592
Gm01	48539429	48539546	Gmdrm	hypo	CHG	-0.2372
Gm01	48539678	48539838	Gmdrm	hypo	CHG	-0.3361
Gm01	48541337	48541346	Gmdrm	hypo	CHG	-0.3883
Gm01	48558861	48559534	Gmdrm	hypo	CHG	-0.2325
Gm01	48572463	48572592	Gmdrm	hypo	CHG	-0.1167
Gm01	48655654	48655819	Gmdrm	hypo	CHG	-0.3485
Gm01	48664039	48664780	Gmdrm	hypo	CHG	-0.1891
Gm01	48665135	48666113	Gmdrm	hypo	CHG	-0.2555
Gm01	48668407	48668447	Gmdrm	hypo	CHG	-0.328
Gm01	48702802	48703111	Gmdrm	hypo	CHG	-0.0593
Gm01	48725318	48725556	Gmdrm	hypo	CHG	-0.0343
Gm01	48749724	48750005	Gmdrm	hypo	CHG	-0.0257
Gm01	48761085	48761381	Gmdrm	hypo	CHG	-0.1973
Gm01	48774237	48774551	Gmdrm	hypo	CHG	-0.6056
Gm01	48774871	48775037	Gmdrm	hypo	CHG	-0.3927
Gm01	48787968	48788250	Gmdrm	hypo	CHG	-0.4828
Gm01	48788425	48788725	Gmdrm	hypo	CHG	-0.147
Gm01	48813113	48813255	Gmdrm	hypo	CHG	-0.2961
Gm01	48830864	48831334	Gmdrm	hypo	CHG	-0.0484
Gm01	48832002	48832088	Gmdrm	hypo	CHG	-0.07
Gm01	48833664	48833995	Gmdrm	hypo	CHG	-0.5693
Gm01	48836034	48836275	Gmdrm	hypo	CHG	-0.2331
Gm01	48847980	48848235	Gmdrm	hypo	CHG	-0.384
Gm01	48854922	48855061	Gmdrm	hypo	CHG	-0.0883
Gm01	48855167	48855256	Gmdrm	hypo	CHG	-0.0614
Gm01	48866178	48866418	Gmdrm	hypo	CHG	-0.3815
Gm01	48868219	48868674	Gmdrm	hypo	CHG	-0.3269
Gm01	48882054	48882096	Gmdrm	hypo	CHG	-0.548
Gm01	48887416	48887604	Gmdrm	hypo	CHG	-0.6987
Gm01	48921624	48921887	Gmdrm	hypo	CHG	-0.251
Gm01	48922566	48922649	Gmdrm	hypo	CHG	-0.532
Gm01	48922844	48923148	Gmdrm	hypo	CHG	-0.5046
Gm01	48926756	48926833	Gmdrm	hypo	CHG	-0.345
Gm01	48927115	48927204	Gmdrm	hypo	CHG	-0.8312
Gm01	48928668	48928881	Gmdrm	hypo	CHG	-0.47
Gm01	48950257	48950438	Gmdrm	hypo	CHG	-0.6657
Gm01	48959116	48959247	Gmdrm	hypo	CHG	-0.7814
Gm01	48989392	48990085	Gmdrm	hypo	CHG	-0.03
Gm01	49000015	49000085	Gmdrm	hypo	CHG	-0.038
Gm01	49017285	49018045	Gmdrm	hypo	CHG	-0.0904
Gm01	49023924	49023951	Gmdrm	hypo	CHG	-0.41
Gm01	49027647	49027817	Gmdrm	hypo	CHG	-0.405

Gm01	49038985	49039152	Gmdrm	hypo	CHG	-0.0825
Gm01	49046606	49047342	Gmdrm	hypo	CHG	-0.2043
Gm01	49047758	49048550	Gmdrm	hypo	CHG	-0.0283
Gm01	49074901	49074982	Gmdrm	hypo	CHG	-0.702
Gm01	49129479	49129993	Gmdrm	hypo	CHG	-0.2537
Gm01	49137638	49137916	Gmdrm	hypo	CHG	-0.1836
Gm01	49139155	49139214	Gmdrm	hypo	CHG	-0.5317
Gm01	49142728	49142918	Gmdrm	hypo	CHG	-0.056
Gm01	49150264	49150892	Gmdrm	hypo	CHG	-0.3362
Gm01	49196564	49196823	Gmdrm	hypo	CHG	-0.0443
Gm01	49197752	49198037	Gmdrm	hypo	CHG	-0.63
Gm01	49206628	49207040	Gmdrm	hypo	CHG	-0.2417
Gm01	49262869	49262942	Gmdrm	hypo	CHG	-0.8882
Gm01	49263200	49263412	Gmdrm	hypo	CHG	-0.8239
Gm01	49300521	49300703	Gmdrm	hypo	CHG	-0.6155
Gm01	49303070	49303176	Gmdrm	hypo	CHG	-0.805
Gm01	49353920	49354040	Gmdrm	hypo	CHG	-0.3938
Gm01	49354672	49354913	Gmdrm	hypo	CHG	-0.4445
Gm01	49365365	49365493	Gmdrm	hypo	CHG	-0.423
Gm01	49373204	49374138	Gmdrm	hypo	CHG	-0.0745
Gm01	49401827	49402230	Gmdrm	hypo	CHG	-0.3481
Gm01	49470386	49470652	Gmdrm	hypo	CHG	-0.676
Gm01	49533816	49534003	Gmdrm	hypo	CHG	-0.5838
Gm01	49538174	49538580	Gmdrm	hypo	CHG	-0.6753
Gm01	49551091	49551658	Gmdrm	hypo	CHG	-0.4808
Gm01	49552216	49553177	Gmdrm	hypo	CHG	-0.1453
Gm01	49553248	49553426	Gmdrm	hypo	CHG	-0.1937
Gm01	49554342	49554777	Gmdrm	hypo	CHG	-0.234
Gm01	49617239	49617357	Gmdrm	hypo	CHG	-0.7463
Gm01	49622180	49622448	Gmdrm	hypo	CHG	-0.0591
Gm01	49625645	49625750	Gmdrm	hypo	CHG	-0.7917
Gm01	49627827	49628014	Gmdrm	hypo	CHG	-0.5711
Gm01	49630863	49631074	Gmdrm	hypo	CHG	-0.028
Gm01	49634132	49634275	Gmdrm	hypo	CHG	-0.0615
Gm01	49634440	49634693	Gmdrm	hypo	CHG	-0.1036
Gm01	49648913	49649578	Gmdrm	hypo	CHG	-0.3622
Gm01	49649702	49649944	Gmdrm	hypo	CHG	-0.0271
Gm01	49659167	49659353	Gmdrm	hypo	CHG	-0.05
Gm01	49661466	49661602	Gmdrm	hypo	CHG	-0.2938
Gm01	49672003	49672979	Gmdrm	hypo	CHG	-0.2012
Gm01	49676741	49676834	Gmdrm	hypo	CHG	-0.68
Gm01	49676965	49677152	Gmdrm	hypo	CHG	-0.4217
Gm01	49677296	49677354	Gmdrm	hypo	CHG	-0.7133
Gm01	49686383	49686757	Gmdrm	hypo	CHG	-0.0412
Gm01	49690475	49690548	Gmdrm	hypo	CHG	-0.074
Gm01	49696953	49697308	Gmdrm	hypo	CHG	-0.7658

Gm01	49697922	49698321	Gmdrm	hypo	CHG	-0.5424
Gm01	49737372	49737613	Gmdrm	hypo	CHG	-0.607
Gm01	49745060	49745287	Gmdrm	hypo	CHG	-0.6843
Gm01	49749270	49749413	Gmdrm	hypo	CHG	-0.966
Gm01	49749857	49749966	Gmdrm	hypo	CHG	-0.034
Gm01	49752894	49753284	Gmdrm	hypo	CHG	-0.155
Gm01	49786692	49786878	Gmdrm	hypo	CHG	-0.5514
Gm01	49788333	49788372	Gmdrm	hypo	CHG	-0.634
Gm01	49792539	49792597	Gmdrm	hypo	CHG	-0.592
Gm01	49792854	49792961	Gmdrm	hypo	CHG	-0.834
Gm01	49793459	49793678	Gmdrm	hypo	CHG	-0.6129
Gm01	49800425	49800543	Gmdrm	hypo	CHG	-0.1267
Gm01	49804654	49805129	Gmdrm	hypo	CHG	-0.2922
Gm01	49828940	49829032	Gmdrm	hypo	CHG	-0.77
Gm01	49843899	49844195	Gmdrm	hypo	CHG	-0.695
Gm01	49844584	49845537	Gmdrm	hypo	CHG	-0.5266
Gm01	49846540	49846759	Gmdrm	hypo	CHG	-0.5946
Gm01	49848160	49848410	Gmdrm	hypo	CHG	-0.3862
Gm01	49850943	49851036	Gmdrm	hypo	CHG	-0.124
Gm01	49853223	49853426	Gmdrm	hypo	CHG	-0.8946
Gm01	49853559	49853653	Gmdrm	hypo	CHG	-0.4712
Gm01	49867755	49867899	Gmdrm	hypo	CHG	-0.614
Gm01	49871397	49871556	Gmdrm	hypo	CHG	-0.5101
Gm01	49871939	49872331	Gmdrm	hypo	CHG	-0.735
Gm01	49915817	49915978	Gmdrm	hypo	CHG	-0.064
Gm01	49941832	49941995	Gmdrm	hypo	CHG	-0.6183
Gm01	49942139	49942330	Gmdrm	hypo	CHG	-0.7393
Gm01	49942471	49942623	Gmdrm	hypo	CHG	-0.81
Gm01	49948889	49949081	Gmdrm	hypo	CHG	-0.09
Gm01	49963511	49963615	Gmdrm	hypo	CHG	-0.4685
Gm01	49965675	49965888	Gmdrm	hypo	CHG	-0.8889
Gm01	49981889	49981909	Gmdrm	hypo	CHG	-0.4767
Gm01	49985689	49985824	Gmdrm	hypo	CHG	-0.51
Gm01	49998407	49998609	Gmdrm	hypo	CHG	-0.046
Gm01	50001831	50002018	Gmdrm	hypo	CHG	-0.5738
Gm01	50003892	50004096	Gmdrm	hypo	CHG	-0.546
Gm01	50015771	50015960	Gmdrm	hypo	CHG	-0.4764
Gm01	50020330	50020388	Gmdrm	hypo	CHG	-0.0963
Gm01	50033730	50033862	Gmdrm	hypo	CHG	-0.4766
Gm01	50053368	50053580	Gmdrm	hypo	CHG	-0.802
Gm01	50065031	50065241	Gmdrm	hypo	CHG	-0.4723
Gm01	50076803	50077235	Gmdrm	hypo	CHG	-0.3239
Gm01	50077895	50077963	Gmdrm	hypo	CHG	-0.356
Gm01	50078151	50078312	Gmdrm	hypo	CHG	-0.858
Gm01	50079947	50080057	Gmdrm	hypo	CHG	-0.64
Gm01	50083240	50083585	Gmdrm	hypo	CHG	-0.4868

Gm01	50084315	50084453	Gmdrm	hypo	CHG	-0.618
Gm01	50084970	50085215	Gmdrm	hypo	CHG	-0.7009
Gm01	50086328	50086443	Gmdrm	hypo	CHG	-0.6771
Gm01	50088652	50088766	Gmdrm	hypo	CHG	-0.2733
Gm01	50088884	50089001	Gmdrm	hypo	CHG	-0.425
Gm01	50090163	50090322	Gmdrm	hypo	CHG	-0.065
Gm01	50090452	50090653	Gmdrm	hypo	CHG	-0.3693
Gm01	50101986	50102055	Gmdrm	hypo	CHG	-0.696
Gm01	50135331	50135519	Gmdrm	hypo	CHG	-0.4356
Gm01	50146225	50146549	Gmdrm	hypo	CHG	-0.068
Gm01	50150975	50151258	Gmdrm	hypo	CHG	-0.6146
Gm01	50175026	50175073	Gmdrm	hypo	CHG	-0.35
Gm01	50196216	50196335	Gmdrm	hypo	CHG	-0.5245
Gm01	50201480	50201562	Gmdrm	hypo	CHG	-0.156
Gm01	50208636	50209042	Gmdrm	hypo	CHG	-0.5814
Gm01	50210221	50210415	Gmdrm	hypo	CHG	-0.0616
Gm01	50225226	50225848	Gmdrm	hypo	CHG	-0.7096
Gm01	50241746	50241835	Gmdrm	hypo	CHG	-0.11
Gm01	50257874	50257947	Gmdrm	hypo	CHG	-0.3634
Gm01	50284819	50284910	Gmdrm	hypo	CHG	-0.4933
Gm01	50288895	50289002	Gmdrm	hypo	CHG	-0.35
Gm01	50297852	50297931	Gmdrm	hypo	CHG	-0.458
Gm01	50328492	50329053	Gmdrm	hypo	CHG	-0.3435
Gm01	50330002	50330222	Gmdrm	hypo	CHG	-0.04
Gm01	50330448	50330825	Gmdrm	hypo	CHG	-0.1048
Gm01	50357959	50358601	Gmdrm	hypo	CHG	-0.4948
Gm01	50368308	50368327	Gmdrm	hypo	CHG	-0.0667
Gm01	50371819	50372098	Gmdrm	hypo	CHG	-0.6083
Gm01	50372411	50372988	Gmdrm	hypo	CHG	-0.5246
Gm01	50373100	50373208	Gmdrm	hypo	CHG	-0.784
Gm01	50373519	50373567	Gmdrm	hypo	CHG	-0.536
Gm01	50378082	50378173	Gmdrm	hypo	CHG	-0.1767
Gm01	50388242	50388380	Gmdrm	hypo	CHG	-0.075
Gm01	50388765	50389055	Gmdrm	hypo	CHG	-0.6522
Gm01	50391276	50391471	Gmdrm	hypo	CHG	-0.2941
Gm01	50391663	50391845	Gmdrm	hypo	CHG	-0.504
Gm01	50392184	50392235	Gmdrm	hypo	CHG	-0.792
Gm01	50393477	50393693	Gmdrm	hypo	CHG	-0.146
Gm01	50396190	50396303	Gmdrm	hypo	CHG	-0.32
Gm01	50396490	50396923	Gmdrm	hypo	CHG	-0.4884
Gm01	50397101	50397161	Gmdrm	hypo	CHG	-0.4267
Gm01	50407582	50407711	Gmdrm	hypo	CHG	-0.236
Gm01	50416628	50416943	Gmdrm	hypo	CHG	-0.7593
Gm01	50417382	50417621	Gmdrm	hypo	CHG	-0.2462
Gm01	50417758	50418013	Gmdrm	hypo	CHG	-0.261
Gm01	50439922	50440027	Gmdrm	hypo	CHG	-0.6566

Gm01	50452197	50452388	Gmdrm	hypo	CHG	-0.9294
Gm01	50452511	50452867	Gmdrm	hypo	CHG	-0.8206
Gm01	50464940	50464977	Gmdrm	hypo	CHG	-0.6233
Gm01	50465476	50465578	Gmdrm	hypo	CHG	-0.7887
Gm01	50465727	50465923	Gmdrm	hypo	CHG	-0.4992
Gm01	50466462	50466733	Gmdrm	hypo	CHG	-0.6769
Gm01	50473194	50473213	Gmdrm	hypo	CHG	-0.23
Gm01	50473474	50473728	Gmdrm	hypo	CHG	-0.5745
Gm01	50478289	50478341	Gmdrm	hypo	CHG	-0.124
Gm01	50478589	50478702	Gmdrm	hypo	CHG	-0.56
Gm01	50489147	50489253	Gmdrm	hypo	CHG	-0.4988
Gm01	50492043	50492389	Gmdrm	hypo	CHG	-0.1737
Gm01	50498595	50498743	Gmdrm	hypo	CHG	-0.4816
Gm01	50504718	50504820	Gmdrm	hypo	CHG	-0.45
Gm01	50507854	50507943	Gmdrm	hypo	CHG	-0.647
Gm01	50508215	50508370	Gmdrm	hypo	CHG	-0.6567
Gm01	50508644	50508831	Gmdrm	hypo	CHG	-0.53
Gm01	50509990	50510266	Gmdrm	hypo	CHG	-0.5
Gm01	50510458	50510528	Gmdrm	hypo	CHG	-0.92
Gm01	50510659	50510862	Gmdrm	hypo	CHG	-0.8181
Gm01	50512952	50513069	Gmdrm	hypo	CHG	-0.0517
Gm01	50524177	50524326	Gmdrm	hypo	CHG	-0.034
Gm01	50534282	50534630	Gmdrm	hypo	CHG	-0.1273
Gm01	50537542	50537826	Gmdrm	hypo	CHG	-0.2484
Gm01	50543505	50543700	Gmdrm	hypo	CHG	-0.1766
Gm01	50551224	50551625	Gmdrm	hypo	CHG	-0.27
Gm01	50552099	50552314	Gmdrm	hypo	CHG	-0.1434
Gm01	50569605	50569638	Gmdrm	hypo	CHG	-0.3083
Gm01	50572756	50572835	Gmdrm	hypo	CHG	-0.112
Gm01	50582585	50582895	Gmdrm	hypo	CHG	-0.259
Gm01	50592182	50592441	Gmdrm	hypo	CHG	-0.2609
Gm01	50596829	50596953	Gmdrm	hypo	CHG	-0.6875
Gm01	50597074	50597171	Gmdrm	hypo	CHG	-0.874
Gm01	50606335	50606492	Gmdrm	hypo	CHG	-0.5958
Gm01	50624356	50624450	Gmdrm	hypo	CHG	-0.7911
Gm01	50624611	50624761	Gmdrm	hypo	CHG	-0.8136
Gm01	50646736	50646968	Gmdrm	hypo	CHG	-0.24
Gm01	50654210	50654759	Gmdrm	hypo	CHG	-0.0318
Gm01	50659027	50659608	Gmdrm	hypo	CHG	-0.4846
Gm01	50659746	50660072	Gmdrm	hypo	CHG	-0.7367
Gm01	50663534	50663574	Gmdrm	hypo	CHG	-0.4414
Gm01	50663695	50663984	Gmdrm	hypo	CHG	-0.6869
Gm01	50665666	50665690	Gmdrm	hypo	CHG	-0.1557
Gm01	50666790	50666948	Gmdrm	hypo	CHG	-0.05
Gm01	50671237	50671890	Gmdrm	hypo	CHG	-0.2519
Gm01	50687620	50687718	Gmdrm	hypo	CHG	-0.5217

Gm01	50687890	50687967	Gmdrm	hypo	CHG	-0.6401
Gm01	50743714	50744126	Gmdrm	hypo	CHG	-0.1536
Gm01	50745420	50745559	Gmdrm	hypo	CHG	-0.0772
Gm01	50771186	50771430	Gmdrm	hypo	CHG	-0.4384
Gm01	50778628	50778986	Gmdrm	hypo	CHG	-0.931
Gm01	50779099	50779110	Gmdrm	hypo	CHG	-0.894
Gm01	50779334	50779466	Gmdrm	hypo	CHG	-0.025
Gm01	50785717	50786033	Gmdrm	hypo	CHG	-0.2709
Gm01	50787817	50787936	Gmdrm	hypo	CHG	-0.3229
Gm01	50801352	50801602	Gmdrm	hypo	CHG	-0.0789
Gm01	50806187	50806592	Gmdrm	hypo	CHG	-0.3086
Gm01	50813526	50813607	Gmdrm	hypo	CHG	-0.8067
Gm01	50832732	50832822	Gmdrm	hypo	CHG	-0.1517
Gm01	50838011	50838639	Gmdrm	hypo	CHG	-0.2155
Gm01	50838881	50839016	Gmdrm	hypo	CHG	-0.13
Gm01	50844144	50844311	Gmdrm	hypo	CHG	-0.48
Gm01	50845994	50846060	Gmdrm	hypo	CHG	-0.45
Gm01	50858940	50859013	Gmdrm	hypo	CHG	-0.2314
Gm01	50871628	50871927	Gmdrm	hypo	CHG	-0.4714
Gm01	50899386	50899682	Gmdrm	hypo	CHG	-0.6224
Gm01	50925906	50926166	Gmdrm	hypo	CHG	-0.3391
Gm01	50929501	50929800	Gmdrm	hypo	CHG	-0.0854
Gm01	51009897	51009991	Gmdrm	hypo	CHG	-0.4786
Gm01	51013411	51013670	Gmdrm	hypo	CHG	-0.6659
Gm01	51014414	51014791	Gmdrm	hypo	CHG	-0.5633
Gm01	51035058	51035399	Gmdrm	hypo	CHG	-0.3071
Gm01	51038351	51038635	Gmdrm	hypo	CHG	-0.0517
Gm01	51047109	51047811	Gmdrm	hypo	CHG	-0.4331
Gm01	51073131	51073239	Gmdrm	hypo	CHG	-0.4
Gm01	51080451	51080753	Gmdrm	hypo	CHG	-0.045
Gm01	51084920	51085090	Gmdrm	hypo	CHG	-0.0744
Gm01	51099981	51100541	Gmdrm	hypo	CHG	-0.5088
Gm01	51104580	51104826	Gmdrm	hypo	CHG	-0.0218
Gm01	51116793	51117059	Gmdrm	hypo	CHG	-0.1787
Gm01	51119588	51120133	Gmdrm	hypo	CHG	-0.1613
Gm01	51124480	51124576	Gmdrm	hypo	CHG	-0.0764
Gm01	51145201	51145446	Gmdrm	hypo	CHG	-0.5336
Gm01	51158428	51158591	Gmdrm	hypo	CHG	-0.5637
Gm01	51175427	51175934	Gmdrm	hypo	CHG	-0.0496
Gm01	51176050	51176260	Gmdrm	hypo	CHG	-0.1628
Gm01	51178945	51179371	Gmdrm	hypo	CHG	-0.5527
Gm01	51179622	51179866	Gmdrm	hypo	CHG	-0.036
Gm01	51185437	51185557	Gmdrm	hypo	CHG	-0.5772
Gm01	51192430	51192471	Gmdrm	hypo	CHG	-0.3272
Gm01	51205635	51205911	Gmdrm	hypo	CHG	-0.0424
Gm01	51216654	51216942	Gmdrm	hypo	CHG	-0.9442

Gm01	51220453	51220917	Gmdrm	hypo	CHG	-0.2517
Gm01	51231234	51232077	Gmdrm	hypo	CHG	-0.3941
Gm01	51232521	51232679	Gmdrm	hypo	CHG	-0.6817
Gm01	51233182	51233206	Gmdrm	hypo	CHG	-0.666
Gm01	51237150	51237353	Gmdrm	hypo	CHG	-0.3199
Gm01	51278066	51278266	Gmdrm	hypo	CHG	-0.708
Gm01	51295763	51295840	Gmdrm	hypo	CHG	-0.096
Gm01	51305319	51305521	Gmdrm	hypo	CHG	-0.3825
Gm01	51312707	51312870	Gmdrm	hypo	CHG	-0.0337
Gm01	51345892	51345944	Gmdrm	hypo	CHG	-0.044
Gm01	51368116	51368342	Gmdrm	hypo	CHG	-0.16
Gm01	51370992	51371245	Gmdrm	hypo	CHG	-0.0421
Gm01	51375504	51375779	Gmdrm	hypo	CHG	-0.2908
Gm01	51376137	51376217	Gmdrm	hypo	CHG	-0.605
Gm01	51390569	51390708	Gmdrm	hypo	CHG	-0.6333
Gm01	51423052	51423284	Gmdrm	hypo	CHG	-0.036
Gm01	51424999	51425184	Gmdrm	hypo	CHG	-0.2637
Gm01	51425782	51425976	Gmdrm	hypo	CHG	-0.3707
Gm01	51427102	51427241	Gmdrm	hypo	CHG	-0.098
Gm01	51429960	51430343	Gmdrm	hypo	CHG	-0.4734
Gm01	51433839	51434838	Gmdrm	hypo	CHG	-0.2949
Gm01	51445461	51445873	Gmdrm	hypo	CHG	-0.1978
Gm01	51483403	51483455	Gmdrm	hypo	CHG	-0.026
Gm01	51487508	51487932	Gmdrm	hypo	CHG	-0.4826
Gm01	51490254	51490408	Gmdrm	hypo	CHG	-0.03
Gm01	51503131	51503227	Gmdrm	hypo	CHG	-0.256
Gm01	51519011	51519157	Gmdrm	hypo	CHG	-0.064
Gm01	51536700	51536889	Gmdrm	hypo	CHG	-0.0517
Gm01	51538173	51539127	Gmdrm	hypo	CHG	-0.066
Gm01	51548363	51548484	Gmdrm	hypo	CHG	-0.8012
Gm01	51562228	51562520	Gmdrm	hypo	CHG	-0.5918
Gm01	51564141	51564193	Gmdrm	hypo	CHG	-0.53
Gm01	51569820	51569914	Gmdrm	hypo	CHG	-0.6284
Gm01	51571690	51571845	Gmdrm	hypo	CHG	-0.4683
Gm01	51598772	51598907	Gmdrm	hypo	CHG	-0.6829
Gm01	51602357	51602450	Gmdrm	hypo	CHG	-0.5586
Gm01	51616464	51616783	Gmdrm	hypo	CHG	-0.2165
Gm01	51621518	51621556	Gmdrm	hypo	CHG	-0.2489
Gm01	51625655	51625941	Gmdrm	hypo	CHG	-0.1047
Gm01	51638210	51638294	Gmdrm	hypo	CHG	-0.1033
Gm01	51638401	51638473	Gmdrm	hypo	CHG	-0.826
Gm01	51641350	51641708	Gmdrm	hypo	CHG	-0.5
Gm01	51655397	51655485	Gmdrm	hypo	CHG	-0.582
Gm01	51678138	51678656	Gmdrm	hypo	CHG	-0.653
Gm01	51690023	51690157	Gmdrm	hypo	CHG	-0.13
Gm01	51690603	51690758	Gmdrm	hypo	CHG	-0.802

Gm01	51705290	51705901	Gmdrm	hypo	CHG	-0.1339
Gm01	51706665	51706810	Gmdrm	hypo	CHG	-0.7412
Gm01	51714970	51715083	Gmdrm	hypo	CHG	-0.9618
Gm01	51715487	51715567	Gmdrm	hypo	CHG	-0.9158
Gm01	51722759	51722885	Gmdrm	hypo	CHG	-0.6925
Gm01	51723093	51723297	Gmdrm	hypo	CHG	-0.5128
Gm01	51732769	51732943	Gmdrm	hypo	CHG	-0.3593
Gm01	51738288	51738529	Gmdrm	hypo	CHG	-0.5754
Gm01	51741295	51741760	Gmdrm	hypo	CHG	-0.4265
Gm01	51751088	51751214	Gmdrm	hypo	CHG	-0.0343
Gm01	51778851	51778913	Gmdrm	hypo	CHG	-0.105
Gm01	51779630	51779704	Gmdrm	hypo	CHG	-0.61
Gm01	51789516	51789736	Gmdrm	hypo	CHG	-0.7275
Gm01	51819457	51819636	Gmdrm	hypo	CHG	-0.0756
Gm01	51821610	51821745	Gmdrm	hypo	CHG	-0.8175
Gm01	51821902	51821987	Gmdrm	hypo	CHG	-0.896
Gm01	51849509	51849655	Gmdrm	hypo	CHG	-0.5883
Gm01	51859134	51859251	Gmdrm	hypo	CHG	-0.248
Gm01	51860857	51861317	Gmdrm	hypo	CHG	-0.409
Gm01	51861474	51861578	Gmdrm	hypo	CHG	-0.7843
Gm01	51914026	51914074	Gmdrm	hypo	CHG	-0.6914
Gm01	51914357	51914549	Gmdrm	hypo	CHG	-0.2145
Gm01	51915716	51915808	Gmdrm	hypo	CHG	-0.6799
Gm01	51920385	51920503	Gmdrm	hypo	CHG	-0.7023
Gm01	51929572	51929715	Gmdrm	hypo	CHG	-0.6839
Gm01	51930055	51930320	Gmdrm	hypo	CHG	-0.8475
Gm01	51952552	51952895	Gmdrm	hypo	CHG	-0.5592
Gm01	51955204	51955371	Gmdrm	hypo	CHG	-0.6322
Gm01	51972548	51973544	Gmdrm	hypo	CHG	-0.1905
Gm01	51989096	51989129	Gmdrm	hypo	CHG	-0.816
Gm01	51998638	51998709	Gmdrm	hypo	CHG	-0.502
Gm01	52002129	52002396	Gmdrm	hypo	CHG	-0.688
Gm01	52008745	52009205	Gmdrm	hypo	CHG	-0.4575
Gm01	52028213	52028512	Gmdrm	hypo	CHG	-0.2073
Gm01	52031586	52032585	Gmdrm	hypo	CHG	-0.1105
Gm01	52032587	52032753	Gmdrm	hypo	CHG	-0.5711
Gm01	52043956	52044041	Gmdrm	hypo	CHG	-0.7717
Gm01	52044215	52044289	Gmdrm	hypo	CHG	-0.06
Gm01	52056795	52056984	Gmdrm	hypo	CHG	-0.6433
Gm01	52062018	52062362	Gmdrm	hypo	CHG	-0.4057
Gm01	52075246	52075348	Gmdrm	hypo	CHG	-0.76
Gm01	52075611	52075679	Gmdrm	hypo	CHG	-0.8183
Gm01	52083407	52083856	Gmdrm	hypo	CHG	-0.6009
Gm01	52088055	52088143	Gmdrm	hypo	CHG	-0.6983
Gm01	52092572	52092722	Gmdrm	hypo	CHG	-0.855
Gm01	52104074	52104223	Gmdrm	hypo	CHG	-0.2875

Gm01	52197311	52197701	Gmdrm	hypo	CHG	-0.68
Gm01	52211724	52211738	Gmdrm	hypo	CHG	-0.172
Gm01	52230321	52230755	Gmdrm	hypo	CHG	-0.6877
Gm01	52230882	52230969	Gmdrm	hypo	CHG	-0.185
Gm01	52265787	52265875	Gmdrm	hypo	CHG	-0.7217
Gm01	52268210	52268669	Gmdrm	hypo	CHG	-0.3228
Gm01	52281687	52281774	Gmdrm	hypo	CHG	-0.03
Gm01	52285341	52285449	Gmdrm	hypo	CHG	-0.3646
Gm01	52290078	52290329	Gmdrm	hypo	CHG	-0.0889
Gm01	52292866	52293037	Gmdrm	hypo	CHG	-0.7255
Gm01	52301192	52301289	Gmdrm	hypo	CHG	-0.115
Gm01	52316616	52316645	Gmdrm	hypo	CHG	-0.798
Gm01	52317118	52317227	Gmdrm	hypo	CHG	-0.872
Gm01	52320474	52320594	Gmdrm	hypo	CHG	-0.5067
Gm01	52340374	52340511	Gmdrm	hypo	CHG	-0.8075
Gm01	52370972	52371124	Gmdrm	hypo	CHG	-0.7978
Gm01	52378620	52378938	Gmdrm	hypo	CHG	-0.4125
Gm01	52391814	52391879	Gmdrm	hypo	CHG	-0.044
Gm01	52394589	52394973	Gmdrm	hypo	CHG	-0.051
Gm01	52408021	52408161	Gmdrm	hypo	CHG	-0.2171
Gm01	52411861	52411982	Gmdrm	hypo	CHG	-0.41
Gm01	52421574	52421862	Gmdrm	hypo	CHG	-0.0317
Gm01	52422974	52423181	Gmdrm	hypo	CHG	-0.7807
Gm01	52427416	52427568	Gmdrm	hypo	CHG	-0.4738
Gm01	52432221	52432302	Gmdrm	hypo	CHG	-0.1317
Gm01	52432458	52432619	Gmdrm	hypo	CHG	-0.0688
Gm01	52436111	52436264	Gmdrm	hypo	CHG	-0.048
Gm01	52465590	52465637	Gmdrm	hypo	CHG	-0.05
Gm01	52469172	52470020	Gmdrm	hypo	CHG	-0.636
Gm01	52471804	52471943	Gmdrm	hypo	CHG	-0.4144
Gm01	52483129	52483447	Gmdrm	hypo	CHG	-0.5655
Gm01	52483561	52483709	Gmdrm	hypo	CHG	-0.4743
Gm01	52498293	52498618	Gmdrm	hypo	CHG	-0.0286
Gm01	52509681	52509743	Gmdrm	hypo	CHG	-0.9744
Gm01	52512437	52512500	Gmdrm	hypo	CHG	-0.0485
Gm01	52517756	52518178	Gmdrm	hypo	CHG	-0.8288
Gm01	52550960	52551450	Gmdrm	hypo	CHG	-0.6878
Gm01	52556917	52557180	Gmdrm	hypo	CHG	-0.034
Gm01	52569735	52570328	Gmdrm	hypo	CHG	-0.8339
Gm01	52570456	52570597	Gmdrm	hypo	CHG	-0.6234
Gm01	52570711	52570876	Gmdrm	hypo	CHG	-0.61
Gm01	52571467	52571781	Gmdrm	hypo	CHG	-0.6271
Gm01	52597940	52598248	Gmdrm	hypo	CHG	-0.8255
Gm01	52598378	52598575	Gmdrm	hypo	CHG	-0.6721
Gm01	52598692	52598775	Gmdrm	hypo	CHG	-0.5212
Gm01	52599532	52599640	Gmdrm	hypo	CHG	-0.7499

Gm01	52599759	52600079	Gmdrm	hypo	CHG	-0.4191
Gm01	52605963	52606944	Gmdrm	hypo	CHG	-0.662
Gm01	52610100	52610219	Gmdrm	hypo	CHG	-0.4438
Gm01	52610645	52611058	Gmdrm	hypo	CHG	-0.5294
Gm01	52615937	52616264	Gmdrm	hypo	CHG	-0.3031
Gm01	52636829	52637000	Gmdrm	hypo	CHG	-0.046
Gm01	52639872	52640039	Gmdrm	hypo	CHG	-0.0775
Gm01	52645747	52645801	Gmdrm	hypo	CHG	-0.2
Gm01	52647080	52647144	Gmdrm	hypo	CHG	-0.0929
Gm01	52647468	52647561	Gmdrm	hypo	CHG	-0.9599
Gm01	52663882	52664049	Gmdrm	hypo	CHG	-0.1433
Gm01	52667919	52668116	Gmdrm	hypo	CHG	-0.5825
Gm01	52670914	52671069	Gmdrm	hypo	CHG	-0.8236
Gm01	52677344	52677447	Gmdrm	hypo	CHG	-0.805
Gm01	52697461	52697654	Gmdrm	hypo	CHG	-0.0854
Gm01	52697797	52697864	Gmdrm	hypo	CHG	-0.262
Gm01	52726237	52726306	Gmdrm	hypo	CHG	-0.1483
Gm01	52771779	52772214	Gmdrm	hypo	CHG	-0.8422
Gm01	52784695	52784801	Gmdrm	hypo	CHG	-0.4334
Gm01	52785896	52785987	Gmdrm	hypo	CHG	-0.6686
Gm01	52786834	52787093	Gmdrm	hypo	CHG	-0.4782
Gm01	52787219	52787463	Gmdrm	hypo	CHG	-0.716
Gm01	52789898	52789947	Gmdrm	hypo	CHG	-0.7766
Gm01	52790120	52790192	Gmdrm	hypo	CHG	-0.3067
Gm01	52794705	52794924	Gmdrm	hypo	CHG	-0.4325
Gm01	52817077	52817185	Gmdrm	hypo	CHG	-0.3929
Gm01	52818327	52818349	Gmdrm	hypo	CHG	-0.558
Gm01	52818680	52818908	Gmdrm	hypo	CHG	-0.6691
Gm01	52820882	52821170	Gmdrm	hypo	CHG	-0.5712
Gm01	52831415	52831492	Gmdrm	hypo	CHG	-0.0767
Gm01	52848435	52848447	Gmdrm	hypo	CHG	-0.128
Gm01	52853444	52853619	Gmdrm	hypo	CHG	-0.7443
Gm01	52853790	52854287	Gmdrm	hypo	CHG	-0.5984
Gm01	52854933	52855033	Gmdrm	hypo	CHG	-0.636
Gm01	52858393	52858489	Gmdrm	hypo	CHG	-0.042
Gm01	52866352	52866660	Gmdrm	hypo	CHG	-0.0614
Gm01	52867550	52867852	Gmdrm	hypo	CHG	-0.6006
Gm01	52867994	52868197	Gmdrm	hypo	CHG	-0.8873
Gm01	52868463	52868904	Gmdrm	hypo	CHG	-0.2324
Gm01	52869737	52869898	Gmdrm	hypo	CHG	-0.048
Gm01	52870597	52870842	Gmdrm	hypo	CHG	-0.3997
Gm01	52924531	52924762	Gmdrm	hypo	CHG	-0.6137
Gm01	52926687	52926735	Gmdrm	hypo	CHG	-0.4634
Gm01	52926846	52926936	Gmdrm	hypo	CHG	-0.8362
Gm01	52937732	52937749	Gmdrm	hypo	CHG	-0.094
Gm01	52938503	52938702	Gmdrm	hypo	CHG	-0.8783

Gm01	52938808	52938896	Gmdrm	hypo	CHG	-0.654
Gm01	52969595	52969803	Gmdrm	hypo	CHG	-0.0533
Gm01	52982299	52982920	Gmdrm	hypo	CHG	-0.3555
Gm01	52983450	52983638	Gmdrm	hypo	CHG	-0.062
Gm01	53008413	53008648	Gmdrm	hypo	CHG	-0.8244
Gm01	53008948	53009138	Gmdrm	hypo	CHG	-0.82
Gm01	53013286	53013404	Gmdrm	hypo	CHG	-0.0486
Gm01	53038240	53038564	Gmdrm	hypo	CHG	-0.78
Gm01	53042279	53042369	Gmdrm	hypo	CHG	-0.09
Gm01	53066130	53066167	Gmdrm	hypo	CHG	-0.3234
Gm01	53077320	53077424	Gmdrm	hypo	CHG	-0.07
Gm01	53078346	53078596	Gmdrm	hypo	CHG	-0.04
Gm01	53082900	53083166	Gmdrm	hypo	CHG	-0.5835
Gm01	53083503	53083673	Gmdrm	hypo	CHG	-0.5238
Gm01	53085327	53085525	Gmdrm	hypo	CHG	-0.1457
Gm01	53095452	53096395	Gmdrm	hypo	CHG	-0.1089
Gm01	53102359	53102505	Gmdrm	hypo	CHG	-0.0638
Gm01	53114373	53114993	Gmdrm	hypo	CHG	-0.4713
Gm01	53118828	53118974	Gmdrm	hypo	CHG	-0.3491
Gm01	53123481	53123710	Gmdrm	hypo	CHG	-0.6709
Gm01	53123842	53124125	Gmdrm	hypo	CHG	-0.4883
Gm01	53127698	53128002	Gmdrm	hypo	CHG	-0.0273
Gm01	53139437	53139629	Gmdrm	hypo	CHG	-0.042
Gm01	53170943	53170963	Gmdrm	hypo	CHG	-0.835
Gm01	53171847	53172020	Gmdrm	hypo	CHG	-0.8059
Gm01	53178118	53178294	Gmdrm	hypo	CHG	-0.031
Gm01	53189130	53189422	Gmdrm	hypo	CHG	-0.3581
Gm01	53189647	53189732	Gmdrm	hypo	CHG	-0.706
Gm01	53212268	53212387	Gmdrm	hypo	CHG	-0.8772
Gm01	53258111	53258219	Gmdrm	hypo	CHG	-0.63
Gm01	53271681	53271789	Gmdrm	hypo	CHG	-0.79
Gm01	53277081	53277329	Gmdrm	hypo	CHG	-0.251
Gm01	53281755	53281834	Gmdrm	hypo	CHG	-0.3117
Gm01	53282098	53282479	Gmdrm	hypo	CHG	-0.5177
Gm01	53317691	53317882	Gmdrm	hypo	CHG	-0.0267
Gm01	53326616	53326857	Gmdrm	hypo	CHG	-0.4963
Gm01	53345683	53346576	Gmdrm	hypo	CHG	-0.2641
Gm01	53367671	53367850	Gmdrm	hypo	CHG	-0.0686
Gm01	53401027	53401102	Gmdrm	hypo	CHG	-0.0962
Gm01	53409111	53409536	Gmdrm	hypo	CHG	-0.0253
Gm01	53424416	53424724	Gmdrm	hypo	CHG	-0.6857
Gm01	53445319	53445345	Gmdrm	hypo	CHG	-0.6233
Gm01	53445566	53445636	Gmdrm	hypo	CHG	-0.3571
Gm01	53446528	53446577	Gmdrm	hypo	CHG	-0.3157
Gm01	53449796	53449997	Gmdrm	hypo	CHG	-0.404
Gm01	53473941	53473980	Gmdrm	hypo	CHG	-0.4812

Gm01	53477796	53478205	Gmdrm	hypo	CHG	-0.3435
Gm01	53479586	53480047	Gmdrm	hypo	CHG	-0.2648
Gm01	53486085	53486343	Gmdrm	hypo	CHG	-0.032
Gm01	53494006	53494201	Gmdrm	hypo	CHG	-0.5072
Gm01	53494553	53494653	Gmdrm	hypo	CHG	-0.278
Gm01	53509417	53509582	Gmdrm	hypo	CHG	-0.046
Gm01	53530079	53531052	Gmdrm	hypo	CHG	-0.7663
Gm01	53538628	53539083	Gmdrm	hypo	CHG	-0.1082
Gm01	53540031	53540071	Gmdrm	hypo	CHG	-0.38
Gm01	53543184	53543300	Gmdrm	hypo	CHG	-0.674
Gm01	53551586	53551918	Gmdrm	hypo	CHG	-0.4057
Gm01	53561525	53562024	Gmdrm	hypo	CHG	-0.3026
Gm01	53564927	53565118	Gmdrm	hypo	CHG	-0.8757
Gm01	53577215	53578215	Gmdrm	hypo	CHG	-0.1495
Gm01	53587507	53587590	Gmdrm	hypo	CHG	-0.052
Gm01	53591624	53591660	Gmdrm	hypo	CHG	-0.57
Gm01	53600748	53601146	Gmdrm	hypo	CHG	-0.6705
Gm01	53602080	53602356	Gmdrm	hypo	CHG	-0.36
Gm01	53602474	53602577	Gmdrm	hypo	CHG	-0.052
Gm01	53609631	53609767	Gmdrm	hypo	CHG	-0.0372
Gm01	53652644	53652886	Gmdrm	hypo	CHG	-0.4525
Gm01	53659186	53659307	Gmdrm	hypo	CHG	-0.4946
Gm01	53659595	53659688	Gmdrm	hypo	CHG	-0.901
Gm01	53661498	53661585	Gmdrm	hypo	CHG	-0.0617
Gm01	53665831	53665989	Gmdrm	hypo	CHG	-0.642
Gm01	53685062	53685289	Gmdrm	hypo	CHG	-0.035
Gm01	53697546	53697789	Gmdrm	hypo	CHG	-0.2045
Gm01	53698178	53698771	Gmdrm	hypo	CHG	-0.5462
Gm01	53730893	53731049	Gmdrm	hypo	CHG	-0.2257
Gm01	53732538	53732651	Gmdrm	hypo	CHG	-0.088
Gm01	53733037	53733103	Gmdrm	hypo	CHG	-0.9012
Gm01	53740306	53740575	Gmdrm	hypo	CHG	-0.7008
Gm01	53746610	53746908	Gmdrm	hypo	CHG	-0.0221
Gm01	53749468	53749562	Gmdrm	hypo	CHG	-0.752
Gm01	53749672	53749871	Gmdrm	hypo	CHG	-0.88
Gm01	53750068	53750274	Gmdrm	hypo	CHG	-0.0978
Gm01	53750812	53751032	Gmdrm	hypo	CHG	-0.9189
Gm01	53762613	53762698	Gmdrm	hypo	CHG	-0.038
Gm01	53763217	53763278	Gmdrm	hypo	CHG	-0.0567
Gm01	53787437	53787532	Gmdrm	hypo	CHG	-0.062
Gm01	53810925	53811417	Gmdrm	hypo	CHG	-0.73
Gm01	53811991	53812238	Gmdrm	hypo	CHG	-0.8728
Gm01	53817945	53818358	Gmdrm	hypo	CHG	-0.19
Gm01	53819490	53819546	Gmdrm	hypo	CHG	-0.335
Gm01	53819653	53819844	Gmdrm	hypo	CHG	-0.4051
Gm01	53820071	53820202	Gmdrm	hypo	CHG	-0.44

Gm01	53821243	53821335	Gmdrm	hypo	CHG	-0.2486
Gm01	53821573	53821901	Gmdrm	hypo	CHG	-0.3564
Gm01	53829248	53829375	Gmdrm	hypo	CHG	-0.6737
Gm01	53830078	53830216	Gmdrm	hypo	CHG	-0.8405
Gm01	53857086	53857293	Gmdrm	hypo	CHG	-0.034
Gm01	53861634	53861779	Gmdrm	hypo	CHG	-0.6886
Gm01	53862023	53862152	Gmdrm	hypo	CHG	-0.6924
Gm01	53868721	53868820	Gmdrm	hypo	CHG	-0.8218
Gm01	53879086	53879200	Gmdrm	hypo	CHG	-0.7086
Gm01	53882427	53882701	Gmdrm	hypo	CHG	-0.6361
Gm01	53885474	53885639	Gmdrm	hypo	CHG	-0.7578
Gm01	53892570	53892882	Gmdrm	hypo	CHG	-0.2869
Gm01	53898672	53898936	Gmdrm	hypo	CHG	-0.5796
Gm01	53914101	53914256	Gmdrm	hypo	CHG	-0.4857
Gm01	53914403	53914627	Gmdrm	hypo	CHG	-0.6425
Gm01	53924053	53924308	Gmdrm	hypo	CHG	-0.446
Gm01	53934694	53934980	Gmdrm	hypo	CHG	-0.473
Gm01	53937502	53937704	Gmdrm	hypo	CHG	-0.7
Gm01	53940090	53940196	Gmdrm	hypo	CHG	-0.064
Gm01	53944048	53944088	Gmdrm	hypo	CHG	-0.032
Gm01	53944334	53944501	Gmdrm	hypo	CHG	-0.9286
Gm01	53996240	53996303	Gmdrm	hypo	CHG	-0.3975
Gm01	54000911	54001139	Gmdrm	hypo	CHG	-0.1425
Gm01	54015677	54015787	Gmdrm	hypo	CHG	-0.8973
Gm01	54015998	54016249	Gmdrm	hypo	CHG	-0.6655
Gm01	54020229	54020424	Gmdrm	hypo	CHG	-0.6723
Gm01	54020564	54020972	Gmdrm	hypo	CHG	-0.628
Gm01	54021540	54021668	Gmdrm	hypo	CHG	-0.775
Gm01	54037010	54037118	Gmdrm	hypo	CHG	-0.3125
Gm01	54037322	54037396	Gmdrm	hypo	CHG	-0.676
Gm01	54037570	54037635	Gmdrm	hypo	CHG	-0.4967
Gm01	54050864	54050941	Gmdrm	hypo	CHG	-0.3142
Gm01	54094555	54095392	Gmdrm	hypo	CHG	-0.3116
Gm01	54107248	54107405	Gmdrm	hypo	CHG	-0.3917
Gm01	54107525	54107687	Gmdrm	hypo	CHG	-0.2279
Gm01	54107998	54108265	Gmdrm	hypo	CHG	-0.5067
Gm01	54123603	54123751	Gmdrm	hypo	CHG	-0.8012
Gm01	54123963	54124023	Gmdrm	hypo	CHG	-0.6
Gm01	54124374	54124656	Gmdrm	hypo	CHG	-0.7366
Gm01	54128727	54128837	Gmdrm	hypo	CHG	-0.0267
Gm01	54129294	54129378	Gmdrm	hypo	CHG	-0.6533
Gm01	54152769	54153134	Gmdrm	hypo	CHG	-0.63
Gm01	54187016	54187035	Gmdrm	hypo	CHG	-0.838
Gm01	54236604	54237123	Gmdrm	hypo	CHG	-0.7968
Gm01	54237229	54237328	Gmdrm	hypo	CHG	-0.5666
Gm01	54258208	54258299	Gmdrm	hypo	CHG	-0.0644

Gm01	54272299	54273019	Gmdrm	hypo	CHG	-0.2334
Gm01	54322268	54322383	Gmdrm	hypo	CHG	-0.784
Gm01	54325209	54325332	Gmdrm	hypo	CHG	-0.8
Gm01	54332206	54332486	Gmdrm	hypo	CHG	-0.5545
Gm01	54332713	54332826	Gmdrm	hypo	CHG	-0.436
Gm01	54334491	54334640	Gmdrm	hypo	CHG	-0.232
Gm01	54351816	54352152	Gmdrm	hypo	CHG	-0.8206
Gm01	54357712	54357760	Gmdrm	hypo	CHG	-0.06
Gm01	54357866	54357958	Gmdrm	hypo	CHG	-0.925
Gm01	54359360	54359859	Gmdrm	hypo	CHG	-0.7068
Gm01	54366590	54367066	Gmdrm	hypo	CHG	-0.4843
Gm01	54370311	54370433	Gmdrm	hypo	CHG	-0.475
Gm01	54371080	54371409	Gmdrm	hypo	CHG	-0.2741
Gm01	54387575	54387607	Gmdrm	hypo	CHG	-0.736
Gm01	54400659	54400875	Gmdrm	hypo	CHG	-0.5775
Gm01	54401040	54401398	Gmdrm	hypo	CHG	-0.856
Gm01	54426469	54426609	Gmdrm	hypo	CHG	-0.1485
Gm01	54432058	54432249	Gmdrm	hypo	CHG	-0.21
Gm01	54450257	54450489	Gmdrm	hypo	CHG	-0.4741
Gm01	54452385	54452576	Gmdrm	hypo	CHG	-0.032
Gm01	54457543	54457870	Gmdrm	hypo	CHG	-0.8023
Gm01	54457984	54458115	Gmdrm	hypo	CHG	-0.8934
Gm01	54458287	54458605	Gmdrm	hypo	CHG	-0.8583
Gm01	54458721	54458850	Gmdrm	hypo	CHG	-0.8249
Gm01	54459153	54459349	Gmdrm	hypo	CHG	-0.854
Gm01	54515562	54515826	Gmdrm	hypo	CHG	-0.0389
Gm01	54525929	54526064	Gmdrm	hypo	CHG	-0.678
Gm01	54531354	54531375	Gmdrm	hypo	CHG	-0.7117
Gm01	54548553	54548710	Gmdrm	hypo	CHG	-0.4233
Gm01	54559761	54559804	Gmdrm	hypo	CHG	-0.446
Gm01	54569761	54570064	Gmdrm	hypo	CHG	-0.0422
Gm01	54576287	54576367	Gmdrm	hypo	CHG	-0.92
Gm01	54582479	54582637	Gmdrm	hypo	CHG	-0.54
Gm01	54586719	54586959	Gmdrm	hypo	CHG	-0.0291
Gm01	54591754	54591766	Gmdrm	hypo	CHG	-0.096
Gm01	54598012	54598122	Gmdrm	hypo	CHG	-0.1134
Gm01	54598391	54598577	Gmdrm	hypo	CHG	-0.08
Gm01	54599800	54599990	Gmdrm	hypo	CHG	-0.2223
Gm01	54600369	54600545	Gmdrm	hypo	CHG	-0.0451
Gm01	54602218	54602420	Gmdrm	hypo	CHG	-0.3087
Gm01	54603339	54603419	Gmdrm	hypo	CHG	-0.345
Gm01	54603772	54604084	Gmdrm	hypo	CHG	-0.7024
Gm01	54609420	54609621	Gmdrm	hypo	CHG	-0.0625
Gm01	54617920	54618205	Gmdrm	hypo	CHG	-0.3881
Gm01	54621582	54621840	Gmdrm	hypo	CHG	-0.6987
Gm01	54659355	54659491	Gmdrm	hypo	CHG	-0.056

Gm01	54662899	54663105	Gmdrm	hypo	CHG	-0.055
Gm01	54672718	54672777	Gmdrm	hypo	CHG	-0.2684
Gm01	54673032	54673101	Gmdrm	hypo	CHG	-0.23
Gm01	54674958	54675017	Gmdrm	hypo	CHG	-0.0757
Gm01	54683012	54683238	Gmdrm	hypo	CHG	-0.048
Gm01	54686545	54687028	Gmdrm	hypo	CHG	-0.2367
Gm01	54700297	54700598	Gmdrm	hypo	CHG	-0.0385
Gm01	54711065	54711506	Gmdrm	hypo	CHG	-0.2304
Gm01	54711777	54712040	Gmdrm	hypo	CHG	-0.2229
Gm01	54722688	54722814	Gmdrm	hypo	CHG	-0.034
Gm01	54724326	54724451	Gmdrm	hypo	CHG	-0.596
Gm01	54726996	54727351	Gmdrm	hypo	CHG	-0.3829
Gm01	54751071	54751222	Gmdrm	hypo	CHG	-0.398
Gm01	54767432	54767711	Gmdrm	hypo	CHG	-0.7643
Gm01	54785351	54785491	Gmdrm	hypo	CHG	-0.29
Gm01	54785940	54786013	Gmdrm	hypo	CHG	-0.2833
Gm01	54786905	54787140	Gmdrm	hypo	CHG	-0.4336
Gm01	54829983	54830260	Gmdrm	hypo	CHG	-0.4219
Gm01	54830384	54831379	Gmdrm	hypo	CHG	-0.1144
Gm01	54839748	54839939	Gmdrm	hypo	CHG	-0.0333
Gm01	54842298	54842699	Gmdrm	hypo	CHG	-0.59
Gm01	54843152	54843325	Gmdrm	hypo	CHG	-0.5
Gm01	54847035	54847284	Gmdrm	hypo	CHG	-0.2428
Gm01	54848232	54848297	Gmdrm	hypo	CHG	-0.057
Gm01	54880500	54880671	Gmdrm	hypo	CHG	-0.9444
Gm01	54880786	54880933	Gmdrm	hypo	CHG	-0.5957
Gm01	54887449	54887597	Gmdrm	hypo	CHG	-0.0329
Gm01	54888132	54888309	Gmdrm	hypo	CHG	-0.7955
Gm01	54888459	54888603	Gmdrm	hypo	CHG	-0.919
Gm01	54888710	54888945	Gmdrm	hypo	CHG	-0.6391
Gm01	54897391	54897579	Gmdrm	hypo	CHG	-0.0289
Gm01	54907733	54907774	Gmdrm	hypo	CHG	-0.95
Gm01	54911928	54912101	Gmdrm	hypo	CHG	-0.6378
Gm01	54917371	54917524	Gmdrm	hypo	CHG	-0.046
Gm01	54917701	54918070	Gmdrm	hypo	CHG	-0.3312
Gm01	54960831	54960984	Gmdrm	hypo	CHG	-0.042
Gm01	54976833	54977119	Gmdrm	hypo	CHG	-0.671
Gm01	54991301	54991636	Gmdrm	hypo	CHG	-0.3546
Gm01	54998475	54998775	Gmdrm	hypo	CHG	-0.3512
Gm01	54999551	54999604	Gmdrm	hypo	CHG	-0.218
Gm01	54999794	54999943	Gmdrm	hypo	CHG	-0.7693
Gm01	55008844	55008998	Gmdrm	hypo	CHG	-0.0358
Gm01	55009337	55009457	Gmdrm	hypo	CHG	-0.6567
Gm01	55009762	55010118	Gmdrm	hypo	CHG	-0.1439
Gm01	55023774	55023910	Gmdrm	hypo	CHG	-0.7122
Gm01	55026113	55026323	Gmdrm	hypo	CHG	-0.058

Gm01	55036068	55036170	Gmdrm	hypo	CHG	-0.358
Gm01	55036435	55036585	Gmdrm	hypo	CHG	-0.52
Gm01	55065453	55065491	Gmdrm	hypo	CHG	-0.498
Gm01	55083345	55083491	Gmdrm	hypo	CHG	-0.192
Gm01	55086002	55086210	Gmdrm	hypo	CHG	-0.57
Gm01	55094025	55094130	Gmdrm	hypo	CHG	-0.0686
Gm01	55128058	55128264	Gmdrm	hypo	CHG	-0.8254
Gm01	55129524	55129704	Gmdrm	hypo	CHG	-0.396
Gm01	55129923	55130062	Gmdrm	hypo	CHG	-0.5599
Gm01	55134457	55134526	Gmdrm	hypo	CHG	-0.0843
Gm01	55135074	55135156	Gmdrm	hypo	CHG	-0.676
Gm01	55135260	55135382	Gmdrm	hypo	CHG	-0.5717
Gm01	55135680	55135726	Gmdrm	hypo	CHG	-0.6125
Gm01	55140296	55140550	Gmdrm	hypo	CHG	-0.0673
Gm01	55153333	55154261	Gmdrm	hypo	CHG	-0.0237
Gm01	55157408	55157626	Gmdrm	hypo	CHG	-0.7737
Gm01	55158893	55159160	Gmdrm	hypo	CHG	-0.5
Gm01	55204722	55204863	Gmdrm	hypo	CHG	-0.608
Gm01	55205201	55205440	Gmdrm	hypo	CHG	-0.5742
Gm01	55210174	55210735	Gmdrm	hypo	CHG	-0.1991
Gm01	55224559	55224700	Gmdrm	hypo	CHG	-0.605
Gm01	55235724	55236070	Gmdrm	hypo	CHG	-0.8175
Gm01	55236488	55236749	Gmdrm	hypo	CHG	-0.1384
Gm01	55253493	55253731	Gmdrm	hypo	CHG	-0.0384
Gm01	55313681	55314048	Gmdrm	hypo	CHG	-0.5316
Gm01	55328669	55328742	Gmdrm	hypo	CHG	-0.908
Gm01	55365225	55365399	Gmdrm	hypo	CHG	-0.4375
Gm01	55365572	55365850	Gmdrm	hypo	CHG	-0.3561
Gm01	55385210	55385715	Gmdrm	hypo	CHG	-0.5264
Gm01	55460337	55460357	Gmdrm	hypo	CHG	-0.9157
Gm01	55460472	55460770	Gmdrm	hypo	CHG	-0.8853
Gm01	55461036	55461229	Gmdrm	hypo	CHG	-0.0609
Gm01	55485480	55485554	Gmdrm	hypo	CHG	-0.486
Gm01	55492582	55492758	Gmdrm	hypo	CHG	-0.6567
Gm01	55492898	55493022	Gmdrm	hypo	CHG	-0.9307
Gm01	55493170	55493239	Gmdrm	hypo	CHG	-0.925
Gm01	55493395	55493494	Gmdrm	hypo	CHG	-0.9729
Gm01	55534108	55534381	Gmdrm	hypo	CHG	-0.0514
Gm01	55534629	55534937	Gmdrm	hypo	CHG	-0.3845
Gm01	55540557	55540836	Gmdrm	hypo	CHG	-0.042
Gm01	55589667	55589817	Gmdrm	hypo	CHG	-0.0343
Gm01	55660981	55661949	Gmdrm	hypo	CHG	-0.2291
Gm01	55662103	55662136	Gmdrm	hypo	CHG	-0.0566
Gm01	55671370	55671579	Gmdrm	hypo	CHG	-0.0429
Gm01	55672623	55672735	Gmdrm	hypo	CHG	-0.2017
Gm01	55685646	55685723	Gmdrm	hypo	CHG	-0.068

Gm01	55697903	55698294	Gmdrm	hypo	CHG	-0.1771
Gm01	55705223	55705578	Gmdrm	hypo	CHG	-0.0311
Gm01	55747152	55747443	Gmdrm	hypo	CHG	-0.0888
Gm01	55758596	55758765	Gmdrm	hypo	CHG	-0.0414
Gm01	55759711	55759781	Gmdrm	hypo	CHG	-0.292
Gm01	55767615	55767852	Gmdrm	hypo	CHG	-0.5026
Gm01	55773173	55773381	Gmdrm	hypo	CHG	-0.0918
Gm01	55773489	55773618	Gmdrm	hypo	CHG	-0.7375
Gm01	55785608	55785846	Gmdrm	hypo	CHG	-0.2946
Gm01	55795712	55796007	Gmdrm	hypo	CHG	-0.6628
Gm01	55805380	55805677	Gmdrm	hypo	CHG	-0.7033
Gm01	55849404	55849562	Gmdrm	hypo	CHG	-0.042
Gm01	55962879	55963299	Gmdrm	hypo	CHG	-0.0667
Gm01	56056162	56056356	Gmdrm	hypo	CHG	-0.4186
Gm01	56056706	56056760	Gmdrm	hypo	CHG	-0.5266
Gm01	56056885	56056991	Gmdrm	hypo	CHG	-0.5143
Gm01	56057125	56057259	Gmdrm	hypo	CHG	-0.676
Gm01	56077105	56077262	Gmdrm	hypo	CHG	-0.072
Gm01	56082666	56083243	Gmdrm	hypo	CHG	-0.2068
Gm01	56084042	56084561	Gmdrm	hypo	CHG	-0.0886
Gm01	56097916	56098030	Gmdrm	hypo	CHG	-0.87
Gm01	56098199	56098412	Gmdrm	hypo	CHG	-0.8055
Gm01	56116302	56116429	Gmdrm	hypo	CHG	-0.5474
Gm01	56131284	56131478	Gmdrm	hypo	CHG	-0.5537
Gm01	56143581	56143678	Gmdrm	hypo	CHG	-0.7585
Gm01	56147984	56148050	Gmdrm	hypo	CHG	-0.676
Gm01	56148218	56148332	Gmdrm	hypo	CHG	-0.6167
Gm01	56150494	56150656	Gmdrm	hypo	CHG	-0.5684
Gm01	56157328	56157498	Gmdrm	hypo	CHG	-0.0357
Gm01	56169848	56170163	Gmdrm	hypo	CHG	-0.3407
Gm01	56170372	56170702	Gmdrm	hypo	CHG	-0.6364
Gm01	56174412	56174588	Gmdrm	hypo	CHG	-0.85
Gm01	56180829	56180918	Gmdrm	hypo	CHG	-0.2266
Gm01	56203296	56203475	Gmdrm	hypo	CHG	-0.062
Gm01	56204439	56204497	Gmdrm	hypo	CHG	-0.5717
Gm01	56229288	56229399	Gmdrm	hypo	CHG	-0.076
Gm01	56236372	56236576	Gmdrm	hypo	CHG	-0.048
Gm01	56248127	56248246	Gmdrm	hypo	CHG	-0.6562
Gm01	56256560	56256705	Gmdrm	hypo	CHG	-0.8757
Gm01	56270304	56270418	Gmdrm	hypo	CHG	-0.05
Gm01	56276609	56276850	Gmdrm	hypo	CHG	-0.852
Gm01	56282715	56282968	Gmdrm	hypo	CHG	-0.3712
Gm01	56335475	56335636	Gmdrm	hypo	CHG	-0.05
Gm01	56344592	56344720	Gmdrm	hypo	CHG	-0.525
Gm01	56365770	56365958	Gmdrm	hypo	CHG	-0.04
Gm01	56388133	56388305	Gmdrm	hypo	CHG	-0.9433

Gm01	56395606	56395874	Gmdrm	hypo	CHG	-0.24
Gm01	56408569	56408742	Gmdrm	hypo	CHG	-0.038
Gm01	56410044	56410281	Gmdrm	hypo	CHG	-0.0486
Gm01	56464021	56464031	Gmdrm	hypo	CHG	-0.0514
Gm01	56467975	56468155	Gmdrm	hypo	CHG	-0.7864
Gm01	56468321	56468487	Gmdrm	hypo	CHG	-0.568
Gm01	56469519	56469885	Gmdrm	hypo	CHG	-0.5576
Gm01	56470147	56470503	Gmdrm	hypo	CHG	-0.4656
Gm01	56487123	56487199	Gmdrm	hypo	CHG	-0.5343
Gm01	56487325	56487469	Gmdrm	hypo	CHG	-0.64
Gm01	56487710	56488269	Gmdrm	hypo	CHG	-0.6077
Gm01	56492762	56492860	Gmdrm	hypo	CHG	-0.7867
Gm01	56494320	56494599	Gmdrm	hypo	CHG	-0.0483
Gm01	56498848	56499209	Gmdrm	hypo	CHG	-0.0838
Gm01	56501030	56501165	Gmdrm	hypo	CHG	-0.0681
Gm01	56503543	56503653	Gmdrm	hypo	CHG	-0.817
Gm01	56504610	56504995	Gmdrm	hypo	CHG	-0.8033
Gm01	56517675	56518016	Gmdrm	hypo	CHG	-0.0475
Gm01	56525152	56525434	Gmdrm	hypo	CHG	-0.8345
Gm01	56525697	56525866	Gmdrm	hypo	CHG	-0.6517
Gm01	56529399	56529979	Gmdrm	hypo	CHG	-0.6267
Gm01	56584817	56585774	Gmdrm	hypo	CHG	-0.4437
Gm01	56604741	56604927	Gmdrm	hypo	CHG	-0.6438
Gm01	56609731	56609829	Gmdrm	hypo	CHG	-0.045
Gm01	56616919	56617195	Gmdrm	hypo	CHG	-0.0791
Gm01	56622055	56622190	Gmdrm	hypo	CHG	-0.13
Gm01	56622384	56622544	Gmdrm	hypo	CHG	-0.7343
Gm01	56637464	56637583	Gmdrm	hypo	CHG	-0.6684
Gm01	56643552	56644003	Gmdrm	hypo	CHG	-0.779
Gm01	56654066	56654284	Gmdrm	hypo	CHG	-0.5445
Gm01	56656553	56656776	Gmdrm	hypo	CHG	-0.3017
Gm01	56656878	56656984	Gmdrm	hypo	CHG	-0.8034
Gm01	56692993	56693312	Gmdrm	hypo	CHG	-0.0336
Gm01	56738773	56739231	Gmdrm	hypo	CHG	-0.06
Gm01	56759981	56760371	Gmdrm	hypo	CHG	-0.1935
Gm01	56760682	56760793	Gmdrm	hypo	CHG	-0.4431
Gm01	56790681	56790959	Gmdrm	hypo	CHG	-0.465
Gm01	56808811	56809174	Gmdrm	hypo	CHG	-0.7318
Gm01	56828464	56828707	Gmdrm	hypo	CHG	-0.3844
Gm01	56829021	56829287	Gmdrm	hypo	CHG	-0.291
Gm01	56856905	56857617	Gmdrm	hypo	CHG	-0.4348
Gm01	56862045	56862305	Gmdrm	hypo	CHG	-0.381
Gm01	56865971	56866075	Gmdrm	hypo	CHG	-0.53
Gm01	56866216	56866550	Gmdrm	hypo	CHG	-0.68
Gm01	56877423	56877578	Gmdrm	hypo	CHG	-0.7516
Gm01	56905808	56905988	Gmdrm	hypo	CHG	-0.4563

Gm01	56906520	56906718	Gmdrm	hypo	CHG	-0.5394
Gm01	56913180	56913295	Gmdrm	hypo	CHG	-0.068
Gm01	56926818	56926905	Gmdrm	hypo	CHG	-0.7966
Gm01	56939083	56939224	Gmdrm	hypo	CHG	-0.042
Gm01	56945887	56946181	Gmdrm	hypo	CHG	-0.0438
Gm01	56988601	56989540	Gmdrm	hypo	CHG	-0.3339
Gm01	56999846	56999969	Gmdrm	hypo	CHG	-0.088
Gm01	57014317	57014652	Gmdrm	hypo	CHG	-0.3447
Gm01	57019984	57020137	Gmdrm	hypo	CHG	-0.507
Gm01	57041933	57042180	Gmdrm	hypo	CHG	-0.0364
Gm01	57099894	57100104	Gmdrm	hypo	CHG	-0.3566
Gm01	57107600	57107642	Gmdrm	hypo	CHG	-0.8434
Gm01	57108408	57108456	Gmdrm	hypo	CHG	-0.878
Gm01	57108670	57109002	Gmdrm	hypo	CHG	-0.5361
Gm01	57134669	57134822	Gmdrm	hypo	CHG	-0.8218
Gm01	57141136	57141286	Gmdrm	hypo	CHG	-0.6443
Gm01	57142790	57143020	Gmdrm	hypo	CHG	-0.0243
Gm01	57170844	57170993	Gmdrm	hypo	CHG	-0.04
Gm01	57199918	57200376	Gmdrm	hypo	CHG	-0.2373
Gm01	57203256	57203663	Gmdrm	hypo	CHG	-0.6631
Gm01	57203928	57204070	Gmdrm	hypo	CHG	-0.3318
Gm01	57216331	57216503	Gmdrm	hypo	CHG	-0.054
Gm01	57239320	57239857	Gmdrm	hypo	CHG	-0.0562
Gm01	57244013	57244150	Gmdrm	hypo	CHG	-0.2836
Gm01	57265975	57266206	Gmdrm	hypo	CHG	-0.7036
Gm01	57281295	57281628	Gmdrm	hypo	CHG	-0.4742
Gm01	57301939	57302592	Gmdrm	hypo	CHG	-0.5576
Gm01	57360001	57360222	Gmdrm	hypo	CHG	-0.66
Gm01	57386529	57386642	Gmdrm	hypo	CHG	-0.0383
Gm01	57388248	57388355	Gmdrm	hypo	CHG	-0.4279
Gm01	57389345	57389676	Gmdrm	hypo	CHG	-0.0328
Gm01	57409858	57409990	Gmdrm	hypo	CHG	-0.3282
Gm01	57421741	57421966	Gmdrm	hypo	CHG	-0.148
Gm01	57436363	57436552	Gmdrm	hypo	CHG	-0.625
Gm01	57438857	57438971	Gmdrm	hypo	CHG	-0.8621
Gm01	57439331	57439509	Gmdrm	hypo	CHG	-0.04
Gm01	57445954	57446059	Gmdrm	hypo	CHG	-0.046
Gm01	57515892	57516086	Gmdrm	hypo	CHG	-0.5919
Gm01	57527792	57528014	Gmdrm	hypo	CHG	-0.368
Gm01	57566695	57566792	Gmdrm	hypo	CHG	-0.6687
Gm01	57566919	57567066	Gmdrm	hypo	CHG	-0.53
Gm01	57579684	57579989	Gmdrm	hypo	CHG	-0.5882
Gm01	57593922	57594124	Gmdrm	hypo	CHG	-0.0722
Gm01	57629719	57629916	Gmdrm	hypo	CHG	-0.03
Gm01	57639389	57639646	Gmdrm	hypo	CHG	-0.0193
Gm01	57671844	57671944	Gmdrm	hypo	CHG	-0.4601

Gm01	57680193	57680313	Gmdrm	hypo	CHG	-0.7466
Gm01	57680415	57680495	Gmdrm	hypo	CHG	-0.689
Gm01	57684404	57684590	Gmdrm	hypo	CHG	-0.0586
Gm01	57718646	57718763	Gmdrm	hypo	CHG	-0.5
Gm01	57725236	57725468	Gmdrm	hypo	CHG	-0.605
Gm01	57725925	57725949	Gmdrm	hypo	CHG	-0.3317
Gm01	57726071	57726528	Gmdrm	hypo	CHG	-0.2652
Gm01	57728485	57728602	Gmdrm	hypo	CHG	-0.4466
Gm01	57730896	57731450	Gmdrm	hypo	CHG	-0.3676
Gm01	57757646	57757818	Gmdrm	hypo	CHG	-0.05
Gm01	57765500	57765680	Gmdrm	hypo	CHG	-0.037
Gm01	57787618	57787884	Gmdrm	hypo	CHG	-0.3677
Gm01	57798361	57798482	Gmdrm	hypo	CHG	-0.0567
Gm01	57802155	57802303	Gmdrm	hypo	CHG	-0.055
Gm01	57816900	57817490	Gmdrm	hypo	CHG	-0.0619
Gm01	57820445	57820475	Gmdrm	hypo	CHG	-0.1083
Gm01	57822329	57822581	Gmdrm	hypo	CHG	-0.9235
Gm01	57830513	57830847	Gmdrm	hypo	CHG	-0.0375
Gm01	57837652	57837737	Gmdrm	hypo	CHG	-0.88
Gm01	57837840	57837988	Gmdrm	hypo	CHG	-0.8688
Gm01	57838091	57838256	Gmdrm	hypo	CHG	-0.61
Gm01	57838367	57838559	Gmdrm	hypo	CHG	-0.103
Gm01	57852865	57852985	Gmdrm	hypo	CHG	-0.372
Gm01	57854751	57854949	Gmdrm	hypo	CHG	-0.3
Gm01	57861217	57861362	Gmdrm	hypo	CHG	-0.3429
Gm01	57861485	57861694	Gmdrm	hypo	CHG	-0.25
Gm01	57861876	57862157	Gmdrm	hypo	CHG	-0.2817
Gm01	57865649	57865709	Gmdrm	hypo	CHG	-0.08
Gm01	57870736	57870961	Gmdrm	hypo	CHG	-0.8273
Gm01	57889431	57889516	Gmdrm	hypo	CHG	-0.5466
Gm01	57889658	57889883	Gmdrm	hypo	CHG	-0.5438
Gm01	57891905	57892071	Gmdrm	hypo	CHG	-0.3663
Gm01	57911881	57912321	Gmdrm	hypo	CHG	-0.5635
Gm01	57912447	57913125	Gmdrm	hypo	CHG	-0.0983
Gm01	57913404	57913790	Gmdrm	hypo	CHG	-0.3566
Gm01	57913916	57914904	Gmdrm	hypo	CHG	-0.3051
Gm01	57922098	57922335	Gmdrm	hypo	CHG	-0.064
Gm01_scaffo	30405	30668	Gmdrm	hypo	CHG	-0.4422
Gm01_scaffo	30914	31024	Gmdrm	hypo	CHG	-0.3512
Gm01_scaffo	31236	31279	Gmdrm	hypo	CHG	-0.5128
Gm01_scaffo	31416	31552	Gmdrm	hypo	CHG	-0.5016
Gm02	23440	23977	Gmdrm	hypo	CHG	-0.505
Gm02	37289	37690	Gmdrm	hypo	CHG	-0.2408
Gm02	38130	38207	Gmdrm	hypo	CHG	-0.774
Gm02	56748	57088	Gmdrm	hypo	CHG	-0.065
Gm02	57906	58014	Gmdrm	hypo	CHG	-0.2582

Gm02	63690	63935 Gmdrm	hypo	CHG	-0.025
Gm02	65615	65685 Gmdrm	hypo	CHG	-0.8667
Gm02	65817	65916 Gmdrm	hypo	CHG	-0.8367
Gm02	83852	84849 Gmdrm	hypo	CHG	-0.3261
Gm02	93729	93845 Gmdrm	hypo	CHG	-0.325
Gm02	94120	94455 Gmdrm	hypo	CHG	-0.801
Gm02	115047	115116 Gmdrm	hypo	CHG	-0.8112
Gm02	117882	118019 Gmdrm	hypo	CHG	-0.2087
Gm02	138891	139002 Gmdrm	hypo	CHG	-0.2437
Gm02	139135	139346 Gmdrm	hypo	CHG	-0.3946
Gm02	149500	149877 Gmdrm	hypo	CHG	-0.5212
Gm02	150755	151005 Gmdrm	hypo	CHG	-0.786
Gm02	151269	151325 Gmdrm	hypo	CHG	-0.706
Gm02	151884	152127 Gmdrm	hypo	CHG	-0.7606
Gm02	152464	152573 Gmdrm	hypo	CHG	-0.5413
Gm02	152893	152971 Gmdrm	hypo	CHG	-0.05
Gm02	164164	164531 Gmdrm	hypo	CHG	-0.2153
Gm02	167642	167857 Gmdrm	hypo	CHG	-0.7944
Gm02	171542	171659 Gmdrm	hypo	CHG	-0.6034
Gm02	183847	184019 Gmdrm	hypo	CHG	-0.0489
Gm02	202389	202507 Gmdrm	hypo	CHG	-0.5214
Gm02	209408	209581 Gmdrm	hypo	CHG	-0.9006
Gm02	210137	210168 Gmdrm	hypo	CHG	-0.708
Gm02	218863	219068 Gmdrm	hypo	CHG	-0.7345
Gm02	252606	252745 Gmdrm	hypo	CHG	-0.5426
Gm02	252877	253143 Gmdrm	hypo	CHG	-0.2313
Gm02	270923	271463 Gmdrm	hypo	CHG	-0.4438
Gm02	272786	272919 Gmdrm	hypo	CHG	-0.066
Gm02	311009	311380 Gmdrm	hypo	CHG	-0.9091
Gm02	311493	311527 Gmdrm	hypo	CHG	-0.8914
Gm02	322534	322708 Gmdrm	hypo	CHG	-0.024
Gm02	324887	325021 Gmdrm	hypo	CHG	-0.136
Gm02	326534	326888 Gmdrm	hypo	CHG	-0.043
Gm02	332787	332955 Gmdrm	hypo	CHG	-0.062
Gm02	336231	336450 Gmdrm	hypo	CHG	-0.8816
Gm02	336563	336767 Gmdrm	hypo	CHG	-0.6678
Gm02	336973	337016 Gmdrm	hypo	CHG	-0.036
Gm02	338806	338989 Gmdrm	hypo	CHG	-0.748
Gm02	339874	339893 Gmdrm	hypo	CHG	-0.6516
Gm02	344313	344535 Gmdrm	hypo	CHG	-0.6713
Gm02	344779	344882 Gmdrm	hypo	CHG	-0.8631
Gm02	345024	345155 Gmdrm	hypo	CHG	-0.75
Gm02	345303	345396 Gmdrm	hypo	CHG	-0.665
Gm02	345558	346090 Gmdrm	hypo	CHG	-0.7263
Gm02	363607	363825 Gmdrm	hypo	CHG	-0.0688
Gm02	378000	378125 Gmdrm	hypo	CHG	-0.7543

Gm02	381631	381779	Gmdrm	hypo	CHG	-0.0911
Gm02	385131	385237	Gmdrm	hypo	CHG	-0.9127
Gm02	385647	386177	Gmdrm	hypo	CHG	-0.8854
Gm02	390053	390176	Gmdrm	hypo	CHG	-0.068
Gm02	392801	392931	Gmdrm	hypo	CHG	-0.1066
Gm02	407368	407862	Gmdrm	hypo	CHG	-0.5027
Gm02	416201	416579	Gmdrm	hypo	CHG	-0.7
Gm02	420699	420843	Gmdrm	hypo	CHG	-0.63
Gm02	445666	445959	Gmdrm	hypo	CHG	-0.2089
Gm02	451331	451455	Gmdrm	hypo	CHG	-0.0414
Gm02	451568	451764	Gmdrm	hypo	CHG	-0.08
Gm02	451875	452049	Gmdrm	hypo	CHG	-0.0829
Gm02	452825	453060	Gmdrm	hypo	CHG	-0.5864
Gm02	463073	463352	Gmdrm	hypo	CHG	-0.0457
Gm02	483956	484062	Gmdrm	hypo	CHG	-0.575
Gm02	484268	484427	Gmdrm	hypo	CHG	-0.498
Gm02	484622	484698	Gmdrm	hypo	CHG	-0.266
Gm02	488889	489021	Gmdrm	hypo	CHG	-0.4911
Gm02	545222	545392	Gmdrm	hypo	CHG	-0.364
Gm02	554078	554291	Gmdrm	hypo	CHG	-0.6134
Gm02	564476	564568	Gmdrm	hypo	CHG	-0.024
Gm02	570871	570922	Gmdrm	hypo	CHG	-0.124
Gm02	573488	573707	Gmdrm	hypo	CHG	-0.8682
Gm02	577237	577305	Gmdrm	hypo	CHG	-0.102
Gm02	584840	584988	Gmdrm	hypo	CHG	-0.04
Gm02	587813	587950	Gmdrm	hypo	CHG	-0.044
Gm02	614949	615118	Gmdrm	hypo	CHG	-0.448
Gm02	639103	639133	Gmdrm	hypo	CHG	-0.63
Gm02	639243	639382	Gmdrm	hypo	CHG	-0.046
Gm02	648357	648464	Gmdrm	hypo	CHG	-0.5617
Gm02	651366	651509	Gmdrm	hypo	CHG	-0.7734
Gm02	651619	651684	Gmdrm	hypo	CHG	-0.5466
Gm02	666013	666122	Gmdrm	hypo	CHG	-0.606
Gm02	666349	666464	Gmdrm	hypo	CHG	-0.7429
Gm02	674511	674712	Gmdrm	hypo	CHG	-0.4014
Gm02	675022	675183	Gmdrm	hypo	CHG	-0.8411
Gm02	703095	703251	Gmdrm	hypo	CHG	-0.0673
Gm02	718950	719064	Gmdrm	hypo	CHG	-0.5534
Gm02	719374	719814	Gmdrm	hypo	CHG	-0.5932
Gm02	722436	722487	Gmdrm	hypo	CHG	-0.502
Gm02	722935	723068	Gmdrm	hypo	CHG	-0.036
Gm02	724544	724586	Gmdrm	hypo	CHG	-0.8057
Gm02	748290	748335	Gmdrm	hypo	CHG	-0.036
Gm02	756725	756930	Gmdrm	hypo	CHG	-0.054
Gm02	764394	764463	Gmdrm	hypo	CHG	-0.5825
Gm02	772018	772249	Gmdrm	hypo	CHG	-0.04

Gm02	797624	797835	Gmdrm	hypo	CHG	-0.0472
Gm02	799738	800231	Gmdrm	hypo	CHG	-0.1711
Gm02	803038	803152	Gmdrm	hypo	CHG	-0.0367
Gm02	816475	816613	Gmdrm	hypo	CHG	-0.355
Gm02	826101	826213	Gmdrm	hypo	CHG	-0.034
Gm02	826325	826457	Gmdrm	hypo	CHG	-0.0587
Gm02	872649	872687	Gmdrm	hypo	CHG	-0.36
Gm02	883113	883307	Gmdrm	hypo	CHG	-0.0371
Gm02	883503	883677	Gmdrm	hypo	CHG	-0.05
Gm02	893972	894125	Gmdrm	hypo	CHG	-0.064
Gm02	909125	909258	Gmdrm	hypo	CHG	-0.626
Gm02	909754	909959	Gmdrm	hypo	CHG	-0.566
Gm02	925864	926086	Gmdrm	hypo	CHG	-0.6212
Gm02	926199	926397	Gmdrm	hypo	CHG	-0.8422
Gm02	926512	926598	Gmdrm	hypo	CHG	-0.8537
Gm02	929540	929818	Gmdrm	hypo	CHG	-0.3359
Gm02	930914	931103	Gmdrm	hypo	CHG	-0.76
Gm02	931520	931790	Gmdrm	hypo	CHG	-0.6238
Gm02	947939	948755	Gmdrm	hypo	CHG	-0.7031
Gm02	949250	949334	Gmdrm	hypo	CHG	-0.0385
Gm02	955357	955597	Gmdrm	hypo	CHG	-0.625
Gm02	972523	972577	Gmdrm	hypo	CHG	-0.3217
Gm02	995024	995447	Gmdrm	hypo	CHG	-0.8647
Gm02	1002658	1002761	Gmdrm	hypo	CHG	-0.05
Gm02	1004603	1004753	Gmdrm	hypo	CHG	-0.4
Gm02	1005244	1005472	Gmdrm	hypo	CHG	-0.6945
Gm02	1030624	1030979	Gmdrm	hypo	CHG	-0.8206
Gm02	1032647	1032975	Gmdrm	hypo	CHG	-0.3112
Gm02	1033109	1033451	Gmdrm	hypo	CHG	-0.2328
Gm02	1037708	1037886	Gmdrm	hypo	CHG	-0.3655
Gm02	1056097	1056245	Gmdrm	hypo	CHG	-0.0678
Gm02	1056460	1056639	Gmdrm	hypo	CHG	-0.6978
Gm02	1062074	1062146	Gmdrm	hypo	CHG	-0.79
Gm02	1062892	1062978	Gmdrm	hypo	CHG	-0.575
Gm02	1067770	1068226	Gmdrm	hypo	CHG	-0.4996
Gm02	1068339	1068749	Gmdrm	hypo	CHG	-0.4117
Gm02	1068885	1069855	Gmdrm	hypo	CHG	-0.2607
Gm02	1069972	1070072	Gmdrm	hypo	CHG	-0.0883
Gm02	1080634	1080835	Gmdrm	hypo	CHG	-0.1255
Gm02	1081263	1081360	Gmdrm	hypo	CHG	-0.688
Gm02	1086265	1086544	Gmdrm	hypo	CHG	-0.0288
Gm02	1095984	1096219	Gmdrm	hypo	CHG	-0.024
Gm02	1099065	1099516	Gmdrm	hypo	CHG	-0.377
Gm02	1100196	1100273	Gmdrm	hypo	CHG	-0.1667
Gm02	1106031	1106153	Gmdrm	hypo	CHG	-0.032
Gm02	1123703	1123839	Gmdrm	hypo	CHG	-0.044

Gm02	1125797	1126788	Gmdrm	hypo	CHG	-0.3023
Gm02	1129095	1129524	Gmdrm	hypo	CHG	-0.5465
Gm02	1133426	1133743	Gmdrm	hypo	CHG	-0.7789
Gm02	1133900	1134202	Gmdrm	hypo	CHG	-0.3131
Gm02	1138075	1138251	Gmdrm	hypo	CHG	-0.1333
Gm02	1138366	1139348	Gmdrm	hypo	CHG	-0.3127
Gm02	1140834	1141745	Gmdrm	hypo	CHG	-0.4367
Gm02	1169341	1169872	Gmdrm	hypo	CHG	-0.4875
Gm02	1176728	1176841	Gmdrm	hypo	CHG	-0.438
Gm02	1177145	1177278	Gmdrm	hypo	CHG	-0.566
Gm02	1192770	1192874	Gmdrm	hypo	CHG	-0.6178
Gm02	1198625	1198729	Gmdrm	hypo	CHG	-0.0686
Gm02	1226698	1226894	Gmdrm	hypo	CHG	-0.0658
Gm02	1245417	1245595	Gmdrm	hypo	CHG	-0.7122
Gm02	1256483	1256520	Gmdrm	hypo	CHG	-0.835
Gm02	1258035	1258081	Gmdrm	hypo	CHG	-0.8928
Gm02	1293796	1294085	Gmdrm	hypo	CHG	-0.4686
Gm02	1294936	1295391	Gmdrm	hypo	CHG	-0.508
Gm02	1295500	1295610	Gmdrm	hypo	CHG	-0.054
Gm02	1305611	1305730	Gmdrm	hypo	CHG	-0.062
Gm02	1306445	1306689	Gmdrm	hypo	CHG	-0.2234
Gm02	1334033	1334152	Gmdrm	hypo	CHG	-0.4257
Gm02	1337966	1338249	Gmdrm	hypo	CHG	-0.6277
Gm02	1338351	1338512	Gmdrm	hypo	CHG	-0.7863
Gm02	1354664	1354820	Gmdrm	hypo	CHG	-0.0771
Gm02	1359992	1360039	Gmdrm	hypo	CHG	-0.72
Gm02	1360364	1360390	Gmdrm	hypo	CHG	-0.915
Gm02	1379221	1379310	Gmdrm	hypo	CHG	-0.054
Gm02	1385045	1385170	Gmdrm	hypo	CHG	-0.4433
Gm02	1425715	1425938	Gmdrm	hypo	CHG	-0.06
Gm02	1446544	1446895	Gmdrm	hypo	CHG	-0.093
Gm02	1450846	1450931	Gmdrm	hypo	CHG	-0.654
Gm02	1451105	1451256	Gmdrm	hypo	CHG	-0.625
Gm02	1467616	1467721	Gmdrm	hypo	CHG	-0.6917
Gm02	1467858	1467885	Gmdrm	hypo	CHG	-0.292
Gm02	1495153	1495296	Gmdrm	hypo	CHG	-0.1546
Gm02	1507396	1507799	Gmdrm	hypo	CHG	-0.636
Gm02	1515005	1515175	Gmdrm	hypo	CHG	-0.197
Gm02	1518945	1519274	Gmdrm	hypo	CHG	-0.0623
Gm02	1520388	1520484	Gmdrm	hypo	CHG	-0.0813
Gm02	1520634	1520997	Gmdrm	hypo	CHG	-0.8445
Gm02	1533454	1533661	Gmdrm	hypo	CHG	-0.0417
Gm02	1539981	1540005	Gmdrm	hypo	CHG	-0.814
Gm02	1553822	1553959	Gmdrm	hypo	CHG	-0.2267
Gm02	1599032	1599251	Gmdrm	hypo	CHG	-0.5691
Gm02	1599373	1599986	Gmdrm	hypo	CHG	-0.6531

Gm02	1609252	1609386	Gmdrm	hypo	CHG	-0.9013
Gm02	1616553	1616623	Gmdrm	hypo	CHG	-0.108
Gm02	1618324	1618521	Gmdrm	hypo	CHG	-0.425
Gm02	1631153	1631463	Gmdrm	hypo	CHG	-0.4534
Gm02	1648195	1648476	Gmdrm	hypo	CHG	-0.74
Gm02	1659316	1659356	Gmdrm	hypo	CHG	-0.7613
Gm02	1659500	1659911	Gmdrm	hypo	CHG	-0.2831
Gm02	1669141	1669429	Gmdrm	hypo	CHG	-0.3837
Gm02	1669887	1670079	Gmdrm	hypo	CHG	-0.7917
Gm02	1671537	1671760	Gmdrm	hypo	CHG	-0.0283
Gm02	1673513	1673624	Gmdrm	hypo	CHG	-0.04
Gm02	1688827	1688934	Gmdrm	hypo	CHG	-0.052
Gm02	1690580	1690748	Gmdrm	hypo	CHG	-0.3967
Gm02	1712897	1713040	Gmdrm	hypo	CHG	-0.3789
Gm02	1726571	1726829	Gmdrm	hypo	CHG	-0.58
Gm02	1745337	1745411	Gmdrm	hypo	CHG	-0.5883
Gm02	1745634	1745795	Gmdrm	hypo	CHG	-0.364
Gm02	1751378	1751647	Gmdrm	hypo	CHG	-0.06
Gm02	1776699	1776714	Gmdrm	hypo	CHG	-0.06
Gm02	1782598	1782691	Gmdrm	hypo	CHG	-0.368
Gm02	1791065	1791249	Gmdrm	hypo	CHG	-0.04
Gm02	1820268	1820431	Gmdrm	hypo	CHG	-0.5667
Gm02	1852335	1852423	Gmdrm	hypo	CHG	-0.552
Gm02	1852745	1853055	Gmdrm	hypo	CHG	-0.3991
Gm02	1861007	1861346	Gmdrm	hypo	CHG	-0.1163
Gm02	1864143	1864339	Gmdrm	hypo	CHG	-0.035
Gm02	1876421	1876798	Gmdrm	hypo	CHG	-0.041
Gm02	1883010	1883167	Gmdrm	hypo	CHG	-0.1273
Gm02	1898827	1899358	Gmdrm	hypo	CHG	-0.0426
Gm02	1909169	1909259	Gmdrm	hypo	CHG	-0.4066
Gm02	1916063	1916260	Gmdrm	hypo	CHG	-0.54
Gm02	1932184	1932457	Gmdrm	hypo	CHG	-0.555
Gm02	1934155	1934285	Gmdrm	hypo	CHG	-0.3419
Gm02	1936140	1936306	Gmdrm	hypo	CHG	-0.1488
Gm02	1936662	1936964	Gmdrm	hypo	CHG	-0.1564
Gm02	1937065	1937211	Gmdrm	hypo	CHG	-0.5425
Gm02	1938275	1938348	Gmdrm	hypo	CHG	-0.0686
Gm02	1941598	1941869	Gmdrm	hypo	CHG	-0.0578
Gm02	1967593	1967691	Gmdrm	hypo	CHG	-0.202
Gm02	1968055	1968214	Gmdrm	hypo	CHG	-0.28
Gm02	1972745	1972873	Gmdrm	hypo	CHG	-0.9085
Gm02	1979613	1979948	Gmdrm	hypo	CHG	-0.2046
Gm02	1982605	1982801	Gmdrm	hypo	CHG	-0.31
Gm02	1986638	1986796	Gmdrm	hypo	CHG	-0.456
Gm02	1988338	1988452	Gmdrm	hypo	CHG	-0.8075
Gm02	1991737	1991994	Gmdrm	hypo	CHG	-0.6092

Gm02	1992409	1992535 Gmdrm	hypo	CHG	-0.2343
Gm02	2008159	2008247 Gmdrm	hypo	CHG	-0.49
Gm02	2033712	2033887 Gmdrm	hypo	CHG	-0.464
Gm02	2034428	2034666 Gmdrm	hypo	CHG	-0.5687
Gm02	2040769	2040923 Gmdrm	hypo	CHG	-0.3193
Gm02	2041347	2041462 Gmdrm	hypo	CHG	-0.5017
Gm02	2066688	2066928 Gmdrm	hypo	CHG	-0.0787
Gm02	2069331	2069427 Gmdrm	hypo	CHG	-0.6728
Gm02	2069690	2069936 Gmdrm	hypo	CHG	-0.1991
Gm02	2077149	2077448 Gmdrm	hypo	CHG	-0.3153
Gm02	2085417	2085492 Gmdrm	hypo	CHG	-0.0513
Gm02	2108514	2108677 Gmdrm	hypo	CHG	-0.209
Gm02	2110344	2110668 Gmdrm	hypo	CHG	-0.0287
Gm02	2110925	2111222 Gmdrm	hypo	CHG	-0.68
Gm02	2111890	2111928 Gmdrm	hypo	CHG	-0.8038
Gm02	2112222	2112425 Gmdrm	hypo	CHG	-0.7222
Gm02	2136763	2136815 Gmdrm	hypo	CHG	-0.81
Gm02	2143135	2143308 Gmdrm	hypo	CHG	-0.8099
Gm02	2158468	2158509 Gmdrm	hypo	CHG	-0.555
Gm02	2158636	2159090 Gmdrm	hypo	CHG	-0.153
Gm02	2182379	2182612 Gmdrm	hypo	CHG	-0.0467
Gm02	2182912	2182961 Gmdrm	hypo	CHG	-0.04
Gm02	2190255	2190383 Gmdrm	hypo	CHG	-0.5957
Gm02	2190548	2190679 Gmdrm	hypo	CHG	-0.5892
Gm02	2199490	2199636 Gmdrm	hypo	CHG	-0.6991
Gm02	2207513	2207636 Gmdrm	hypo	CHG	-0.8736
Gm02	2209095	2209203 Gmdrm	hypo	CHG	-0.388
Gm02	2237951	2237990 Gmdrm	hypo	CHG	-0.8683
Gm02	2238593	2238729 Gmdrm	hypo	CHG	-0.78
Gm02	2270680	2271264 Gmdrm	hypo	CHG	-0.73
Gm02	2271449	2271545 Gmdrm	hypo	CHG	-0.8417
Gm02	2308836	2309327 Gmdrm	hypo	CHG	-0.3474
Gm02	2318753	2319060 Gmdrm	hypo	CHG	-0.036
Gm02	2319611	2319826 Gmdrm	hypo	CHG	-0.6733
Gm02	2320054	2320352 Gmdrm	hypo	CHG	-0.6628
Gm02	2369948	2370111 Gmdrm	hypo	CHG	-0.0775
Gm02	2380125	2380221 Gmdrm	hypo	CHG	-0.0557
Gm02	2384205	2384279 Gmdrm	hypo	CHG	-0.0566
Gm02	2390730	2390791 Gmdrm	hypo	CHG	-0.0443
Gm02	2402801	2402945 Gmdrm	hypo	CHG	-0.0583
Gm02	2429248	2429362 Gmdrm	hypo	CHG	-0.115
Gm02	2433589	2433663 Gmdrm	hypo	CHG	-0.6867
Gm02	2448712	2448887 Gmdrm	hypo	CHG	-0.0671
Gm02	2462805	2463029 Gmdrm	hypo	CHG	-0.7483
Gm02	2463213	2463310 Gmdrm	hypo	CHG	-0.6838
Gm02	2480314	2480580 Gmdrm	hypo	CHG	-0.7287

Gm02	2483723	2483903	Gmdrm	hypo	CHG	-0.7843
Gm02	2484235	2484307	Gmdrm	hypo	CHG	-0.8737
Gm02	2536317	2536372	Gmdrm	hypo	CHG	-0.1913
Gm02	2536496	2536739	Gmdrm	hypo	CHG	-0.498
Gm02	2544467	2544584	Gmdrm	hypo	CHG	-0.7166
Gm02	2557893	2558544	Gmdrm	hypo	CHG	-0.5288
Gm02	2565874	2565952	Gmdrm	hypo	CHG	-0.45
Gm02	2566432	2566482	Gmdrm	hypo	CHG	-0.464
Gm02	2572408	2572527	Gmdrm	hypo	CHG	-0.608
Gm02	2573102	2573667	Gmdrm	hypo	CHG	-0.6884
Gm02	2574408	2574871	Gmdrm	hypo	CHG	-0.4146
Gm02	2591212	2591500	Gmdrm	hypo	CHG	-0.6447
Gm02	2610507	2610996	Gmdrm	hypo	CHG	-0.1793
Gm02	2618065	2618202	Gmdrm	hypo	CHG	-0.2183
Gm02	2623038	2623502	Gmdrm	hypo	CHG	-0.5754
Gm02	2641771	2641817	Gmdrm	hypo	CHG	-0.274
Gm02	2666644	2666742	Gmdrm	hypo	CHG	-0.4757
Gm02	2666869	2666988	Gmdrm	hypo	CHG	-0.7014
Gm02	2676304	2676428	Gmdrm	hypo	CHG	-0.8183
Gm02	2676761	2676849	Gmdrm	hypo	CHG	-0.5633
Gm02	2685468	2685644	Gmdrm	hypo	CHG	-0.4439
Gm02	2707988	2708165	Gmdrm	hypo	CHG	-0.7825
Gm02	2708724	2708926	Gmdrm	hypo	CHG	-0.3886
Gm02	2741782	2742089	Gmdrm	hypo	CHG	-0.0338
Gm02	2765717	2765821	Gmdrm	hypo	CHG	-0.81
Gm02	2766137	2766696	Gmdrm	hypo	CHG	-0.5645
Gm02	2768887	2769002	Gmdrm	hypo	CHG	-0.291
Gm02	2795249	2795513	Gmdrm	hypo	CHG	-0.0531
Gm02	2800536	2800728	Gmdrm	hypo	CHG	-0.0299
Gm02	2801342	2801434	Gmdrm	hypo	CHG	-0.8686
Gm02	2828491	2828590	Gmdrm	hypo	CHG	-0.2457
Gm02	2856574	2856736	Gmdrm	hypo	CHG	-0.8427
Gm02	2857052	2857259	Gmdrm	hypo	CHG	-0.2067
Gm02	2873788	2874099	Gmdrm	hypo	CHG	-0.5261
Gm02	2881060	2881249	Gmdrm	hypo	CHG	-0.0433
Gm02	2886769	2886923	Gmdrm	hypo	CHG	-0.0383
Gm02	2934649	2934857	Gmdrm	hypo	CHG	-0.5279
Gm02	2935243	2935440	Gmdrm	hypo	CHG	-0.289
Gm02	2935555	2935686	Gmdrm	hypo	CHG	-0.242
Gm02	2942628	2942948	Gmdrm	hypo	CHG	-0.3494
Gm02	2971330	2971521	Gmdrm	hypo	CHG	-0.809
Gm02	2973205	2973355	Gmdrm	hypo	CHG	-0.377
Gm02	2975739	2975924	Gmdrm	hypo	CHG	-0.2071
Gm02	2995659	2995790	Gmdrm	hypo	CHG	-0.326
Gm02	3007573	3007724	Gmdrm	hypo	CHG	-0.6767
Gm02	3009978	3010270	Gmdrm	hypo	CHG	-0.0343

Gm02	3025014	3025104 Gmdrm	hypo	CHG	-0.09
Gm02	3025427	3025554 Gmdrm	hypo	CHG	-0.6566
Gm02	3035799	3035907 Gmdrm	hypo	CHG	-0.2088
Gm02	3046856	3047054 Gmdrm	hypo	CHG	-0.6388
Gm02	3057165	3057347 Gmdrm	hypo	CHG	-0.0387
Gm02	3077458	3077818 Gmdrm	hypo	CHG	-0.508
Gm02	3086071	3086259 Gmdrm	hypo	CHG	-0.034
Gm02	3088859	3089296 Gmdrm	hypo	CHG	-0.6878
Gm02	3121931	3122088 Gmdrm	hypo	CHG	-0.0283
Gm02	3129142	3129250 Gmdrm	hypo	CHG	-0.825
Gm02	3131408	3131518 Gmdrm	hypo	CHG	-0.6
Gm02	3134896	3135128 Gmdrm	hypo	CHG	-0.5573
Gm02	3144701	3145058 Gmdrm	hypo	CHG	-0.2115
Gm02	3172082	3172118 Gmdrm	hypo	CHG	-0.37
Gm02	3172378	3172762 Gmdrm	hypo	CHG	-0.799
Gm02	3205816	3206003 Gmdrm	hypo	CHG	-0.044
Gm02	3217129	3217217 Gmdrm	hypo	CHG	-0.342
Gm02	3217862	3217955 Gmdrm	hypo	CHG	-0.7025
Gm02	3260930	3260995 Gmdrm	hypo	CHG	-0.0422
Gm02	3277788	3277881 Gmdrm	hypo	CHG	-0.804
Gm02	3298218	3298240 Gmdrm	hypo	CHG	-0.396
Gm02	3307390	3307534 Gmdrm	hypo	CHG	-0.0414
Gm02	3308383	3308564 Gmdrm	hypo	CHG	-0.0343
Gm02	3309046	3309389 Gmdrm	hypo	CHG	-0.0423
Gm02	3330154	3330326 Gmdrm	hypo	CHG	-0.044
Gm02	3340850	3341013 Gmdrm	hypo	CHG	-0.04
Gm02	3343546	3343613 Gmdrm	hypo	CHG	-0.75
Gm02	3347165	3347852 Gmdrm	hypo	CHG	-0.1397
Gm02	3369262	3369574 Gmdrm	hypo	CHG	-0.0378
Gm02	3377759	3378013 Gmdrm	hypo	CHG	-0.2769
Gm02	3381053	3381387 Gmdrm	hypo	CHG	-0.5099
Gm02	3393821	3393875 Gmdrm	hypo	CHG	-0.84
Gm02	3394328	3394594 Gmdrm	hypo	CHG	-0.7778
Gm02	3407593	3407682 Gmdrm	hypo	CHG	-0.5376
Gm02	3407949	3408108 Gmdrm	hypo	CHG	-0.77
Gm02	3408419	3408531 Gmdrm	hypo	CHG	-0.55
Gm02	3422349	3422426 Gmdrm	hypo	CHG	-0.8167
Gm02	3462100	3462135 Gmdrm	hypo	CHG	-0.925
Gm02	3462256	3462365 Gmdrm	hypo	CHG	-0.8289
Gm02	3463838	3464026 Gmdrm	hypo	CHG	-0.0333
Gm02	3472256	3472564 Gmdrm	hypo	CHG	-0.7373
Gm02	3472678	3472717 Gmdrm	hypo	CHG	-0.392
Gm02	3474207	3474308 Gmdrm	hypo	CHG	-0.1767
Gm02	3491272	3491328 Gmdrm	hypo	CHG	-0.59
Gm02	3523596	3523656 Gmdrm	hypo	CHG	-0.4534
Gm02	3548832	3549139 Gmdrm	hypo	CHG	-0.655

Gm02	3549907	3550335	Gmdrm	hypo	CHG	-0.5504
Gm02	3555097	3555183	Gmdrm	hypo	CHG	-0.052
Gm02	3577495	3577590	Gmdrm	hypo	CHG	-0.085
Gm02	3611656	3611830	Gmdrm	hypo	CHG	-0.889
Gm02	3617370	3617446	Gmdrm	hypo	CHG	-0.064
Gm02	3624568	3624709	Gmdrm	hypo	CHG	-0.705
Gm02	3637118	3637228	Gmdrm	hypo	CHG	-0.042
Gm02	3655551	3655685	Gmdrm	hypo	CHG	-0.8149
Gm02	3661791	3661938	Gmdrm	hypo	CHG	-0.3914
Gm02	3676008	3676063	Gmdrm	hypo	CHG	-0.236
Gm02	3687306	3687478	Gmdrm	hypo	CHG	-0.052
Gm02	3699949	3699990	Gmdrm	hypo	CHG	-0.484
Gm02	3700104	3700306	Gmdrm	hypo	CHG	-0.3839
Gm02	3700844	3700987	Gmdrm	hypo	CHG	-0.6633
Gm02	3702093	3702182	Gmdrm	hypo	CHG	-0.5828
Gm02	3709887	3709940	Gmdrm	hypo	CHG	-0.8017
Gm02	3710533	3710643	Gmdrm	hypo	CHG	-0.3667
Gm02	3748089	3748229	Gmdrm	hypo	CHG	-0.04
Gm02	3748369	3748426	Gmdrm	hypo	CHG	-0.31
Gm02	3756047	3756198	Gmdrm	hypo	CHG	-0.4875
Gm02	3756638	3756817	Gmdrm	hypo	CHG	-0.53
Gm02	3768464	3768737	Gmdrm	hypo	CHG	-0.7077
Gm02	3790445	3790656	Gmdrm	hypo	CHG	-0.0614
Gm02	3806139	3806272	Gmdrm	hypo	CHG	-0.5567
Gm02	3808685	3808966	Gmdrm	hypo	CHG	-0.34
Gm02	3820864	3821056	Gmdrm	hypo	CHG	-0.9209
Gm02	3824513	3824596	Gmdrm	hypo	CHG	-0.765
Gm02	3826956	3827193	Gmdrm	hypo	CHG	-0.681
Gm02	3828050	3828149	Gmdrm	hypo	CHG	-0.4233
Gm02	3828362	3828689	Gmdrm	hypo	CHG	-0.4929
Gm02	3828824	3829023	Gmdrm	hypo	CHG	-0.0973
Gm02	3854193	3854363	Gmdrm	hypo	CHG	-0.07
Gm02	3855090	3855209	Gmdrm	hypo	CHG	-0.04
Gm02	3890943	3891051	Gmdrm	hypo	CHG	-0.728
Gm02	3891330	3891416	Gmdrm	hypo	CHG	-0.5914
Gm02	3891530	3891737	Gmdrm	hypo	CHG	-0.7215
Gm02	3899406	3899517	Gmdrm	hypo	CHG	-0.7222
Gm02	3907285	3907403	Gmdrm	hypo	CHG	-0.3638
Gm02	3907506	3907548	Gmdrm	hypo	CHG	-0.5412
Gm02	3907929	3908282	Gmdrm	hypo	CHG	-0.327
Gm02	3908804	3908841	Gmdrm	hypo	CHG	-0.6
Gm02	3908996	3909111	Gmdrm	hypo	CHG	-0.51
Gm02	3937817	3937953	Gmdrm	hypo	CHG	-0.4046
Gm02	3973349	3973562	Gmdrm	hypo	CHG	-0.264
Gm02	3974955	3975113	Gmdrm	hypo	CHG	-0.2487
Gm02	3977142	3977348	Gmdrm	hypo	CHG	-0.0517

Gm02	3990724	3990897 Gmdrm	hypo	CHG	-0.032
Gm02	4006869	4006975 Gmdrm	hypo	CHG	-0.665
Gm02	4008002	4008151 Gmdrm	hypo	CHG	-0.5157
Gm02	4016939	4017064 Gmdrm	hypo	CHG	-0.5612
Gm02	4017185	4017294 Gmdrm	hypo	CHG	-0.83
Gm02	4017421	4017540 Gmdrm	hypo	CHG	-0.7449
Gm02	4029172	4029380 Gmdrm	hypo	CHG	-0.176
Gm02	4049656	4049727 Gmdrm	hypo	CHG	-0.8267
Gm02	4050227	4050426 Gmdrm	hypo	CHG	-0.6171
Gm02	4053719	4053884 Gmdrm	hypo	CHG	-0.8312
Gm02	4056585	4056651 Gmdrm	hypo	CHG	-0.2083
Gm02	4079328	4079434 Gmdrm	hypo	CHG	-0.0373
Gm02	4085648	4085741 Gmdrm	hypo	CHG	-0.62
Gm02	4134608	4134639 Gmdrm	hypo	CHG	-0.29
Gm02	4148307	4148566 Gmdrm	hypo	CHG	-0.0312
Gm02	4180690	4180746 Gmdrm	hypo	CHG	-0.2183
Gm02	4185355	4185738 Gmdrm	hypo	CHG	-0.1311
Gm02	4187513	4187737 Gmdrm	hypo	CHG	-0.9558
Gm02	4187858	4187998 Gmdrm	hypo	CHG	-0.8687
Gm02	4188295	4188575 Gmdrm	hypo	CHG	-0.8014
Gm02	4188800	4189300 Gmdrm	hypo	CHG	-0.6451
Gm02	4190857	4191025 Gmdrm	hypo	CHG	-0.4489
Gm02	4192170	4192368 Gmdrm	hypo	CHG	-0.05
Gm02	4199711	4199830 Gmdrm	hypo	CHG	-0.5317
Gm02	4200673	4200725 Gmdrm	hypo	CHG	-0.8671
Gm02	4212294	4212469 Gmdrm	hypo	CHG	-0.4014
Gm02	4220085	4220148 Gmdrm	hypo	CHG	-0.66
Gm02	4241468	4241724 Gmdrm	hypo	CHG	-0.6186
Gm02	4241934	4242599 Gmdrm	hypo	CHG	-0.5165
Gm02	4268683	4268787 Gmdrm	hypo	CHG	-0.0525
Gm02	4269518	4269639 Gmdrm	hypo	CHG	-0.352
Gm02	4310131	4310287 Gmdrm	hypo	CHG	-0.7987
Gm02	4332662	4333177 Gmdrm	hypo	CHG	-0.5335
Gm02	4334958	4335155 Gmdrm	hypo	CHG	-0.4222
Gm02	4335464	4335674 Gmdrm	hypo	CHG	-0.0375
Gm02	4347004	4347136 Gmdrm	hypo	CHG	-0.6429
Gm02	4347464	4347561 Gmdrm	hypo	CHG	-0.775
Gm02	4349683	4349831 Gmdrm	hypo	CHG	-0.6157
Gm02	4352678	4352839 Gmdrm	hypo	CHG	-0.4214
Gm02	4357124	4357653 Gmdrm	hypo	CHG	-0.4355
Gm02	4362712	4362874 Gmdrm	hypo	CHG	-0.0266
Gm02	4364601	4365214 Gmdrm	hypo	CHG	-0.5
Gm02	4374955	4375075 Gmdrm	hypo	CHG	-0.6589
Gm02	4375285	4375487 Gmdrm	hypo	CHG	-0.7564
Gm02	4379820	4379844 Gmdrm	hypo	CHG	-0.09
Gm02	4381197	4381370 Gmdrm	hypo	CHG	-0.6487

Gm02	4389806	4390010 Gmdrm	hypo	CHG	-0.9062
Gm02	4390595	4390723 Gmdrm	hypo	CHG	-0.9011
Gm02	4407246	4407385 Gmdrm	hypo	CHG	-0.5288
Gm02	4420040	4420204 Gmdrm	hypo	CHG	-0.4219
Gm02	4420498	4420620 Gmdrm	hypo	CHG	-0.8609
Gm02	4426515	4426649 Gmdrm	hypo	CHG	-0.2775
Gm02	4427008	4427248 Gmdrm	hypo	CHG	-0.2455
Gm02	4478606	4478938 Gmdrm	hypo	CHG	-0.0618
Gm02	4489019	4489515 Gmdrm	hypo	CHG	-0.06
Gm02	4497053	4497325 Gmdrm	hypo	CHG	-0.0387
Gm02	4508385	4508497 Gmdrm	hypo	CHG	-0.0425
Gm02	4516341	4516648 Gmdrm	hypo	CHG	-0.56
Gm02	4526287	4526346 Gmdrm	hypo	CHG	-0.5266
Gm02	4526578	4526938 Gmdrm	hypo	CHG	-0.3456
Gm02	4543813	4544353 Gmdrm	hypo	CHG	-0.4077
Gm02	4551208	4551355 Gmdrm	hypo	CHG	-0.064
Gm02	4556390	4556672 Gmdrm	hypo	CHG	-0.6275
Gm02	4561389	4561700 Gmdrm	hypo	CHG	-0.0457
Gm02	4566720	4566804 Gmdrm	hypo	CHG	-0.0372
Gm02	4600338	4600504 Gmdrm	hypo	CHG	-0.036
Gm02	4636438	4636594 Gmdrm	hypo	CHG	-0.04
Gm02	4643976	4644175 Gmdrm	hypo	CHG	-0.2019
Gm02	4650457	4650603 Gmdrm	hypo	CHG	-0.7695
Gm02	4653643	4653967 Gmdrm	hypo	CHG	-0.7221
Gm02	4654316	4654645 Gmdrm	hypo	CHG	-0.7758
Gm02	4666507	4666582 Gmdrm	hypo	CHG	-0.1617
Gm02	4685887	4686854 Gmdrm	hypo	CHG	-0.0446
Gm02	4702974	4703007 Gmdrm	hypo	CHG	-0.216
Gm02	4709058	4709632 Gmdrm	hypo	CHG	-0.1154
Gm02	4729398	4729477 Gmdrm	hypo	CHG	-0.4517
Gm02	4768050	4768367 Gmdrm	hypo	CHG	-0.6941
Gm02	4772531	4772577 Gmdrm	hypo	CHG	-0.914
Gm02	4772759	4772966 Gmdrm	hypo	CHG	-0.85
Gm02	4773145	4773224 Gmdrm	hypo	CHG	-0.5638
Gm02	4779733	4780607 Gmdrm	hypo	CHG	-0.255
Gm02	4790486	4790671 Gmdrm	hypo	CHG	-0.9223
Gm02	4792429	4792620 Gmdrm	hypo	CHG	-0.4875
Gm02	4798175	4798225 Gmdrm	hypo	CHG	-0.61
Gm02	4798755	4798863 Gmdrm	hypo	CHG	-0.526
Gm02	4799075	4799173 Gmdrm	hypo	CHG	-0.54
Gm02	4819109	4819224 Gmdrm	hypo	CHG	-0.7357
Gm02	4820685	4820796 Gmdrm	hypo	CHG	-0.1267
Gm02	4821118	4821494 Gmdrm	hypo	CHG	-0.4141
Gm02	4830306	4830315 Gmdrm	hypo	CHG	-0.728
Gm02	4830422	4830531 Gmdrm	hypo	CHG	-0.6529
Gm02	4850613	4850841 Gmdrm	hypo	CHG	-0.1538

Gm02	4854136	4854229	Gmdrm	hypo	CHG	-0.3386
Gm02	4879130	4879249	Gmdrm	hypo	CHG	-0.034
Gm02	4887381	4887603	Gmdrm	hypo	CHG	-0.4925
Gm02	4890904	4891101	Gmdrm	hypo	CHG	-0.0578
Gm02	4892100	4892430	Gmdrm	hypo	CHG	-0.8191
Gm02	4893671	4893841	Gmdrm	hypo	CHG	-0.842
Gm02	4894392	4894615	Gmdrm	hypo	CHG	-0.566
Gm02	4896979	4897070	Gmdrm	hypo	CHG	-0.7278
Gm02	4897475	4897512	Gmdrm	hypo	CHG	-0.59
Gm02	4898014	4898174	Gmdrm	hypo	CHG	-0.6087
Gm02	4900640	4900739	Gmdrm	hypo	CHG	-0.1316
Gm02	4918653	4918853	Gmdrm	hypo	CHG	-0.7936
Gm02	4921372	4921691	Gmdrm	hypo	CHG	-0.0486
Gm02	4927830	4928106	Gmdrm	hypo	CHG	-0.8234
Gm02	4942122	4942228	Gmdrm	hypo	CHG	-0.5333
Gm02	4944332	4944407	Gmdrm	hypo	CHG	-0.955
Gm02	4949567	4949998	Gmdrm	hypo	CHG	-0.0318
Gm02	4968240	4968572	Gmdrm	hypo	CHG	-0.0586
Gm02	5006867	5007333	Gmdrm	hypo	CHG	-0.8438
Gm02	5007672	5007870	Gmdrm	hypo	CHG	-0.7283
Gm02	5013514	5013742	Gmdrm	hypo	CHG	-0.2024
Gm02	5022739	5023196	Gmdrm	hypo	CHG	-0.3821
Gm02	5025451	5025688	Gmdrm	hypo	CHG	-0.05
Gm02	5026409	5026574	Gmdrm	hypo	CHG	-0.4943
Gm02	5027269	5027373	Gmdrm	hypo	CHG	-0.3683
Gm02	5027626	5027770	Gmdrm	hypo	CHG	-0.5814
Gm02	5056632	5056991	Gmdrm	hypo	CHG	-0.0779
Gm02	5083752	5084151	Gmdrm	hypo	CHG	-0.5043
Gm02	5097335	5097440	Gmdrm	hypo	CHG	-0.0783
Gm02	5097892	5098203	Gmdrm	hypo	CHG	-0.6872
Gm02	5103698	5103745	Gmdrm	hypo	CHG	-0.04
Gm02	5119442	5119722	Gmdrm	hypo	CHG	-0.028
Gm02	5144798	5145062	Gmdrm	hypo	CHG	-0.7759
Gm02	5160292	5160774	Gmdrm	hypo	CHG	-0.781
Gm02	5167704	5167856	Gmdrm	hypo	CHG	-0.5715
Gm02	5168079	5168291	Gmdrm	hypo	CHG	-0.5464
Gm02	5169038	5169273	Gmdrm	hypo	CHG	-0.2673
Gm02	5173104	5173408	Gmdrm	hypo	CHG	-0.1255
Gm02	5173561	5173696	Gmdrm	hypo	CHG	-0.2991
Gm02	5174030	5174410	Gmdrm	hypo	CHG	-0.9028
Gm02	5175277	5175365	Gmdrm	hypo	CHG	-0.2217
Gm02	5179222	5179429	Gmdrm	hypo	CHG	-0.585
Gm02	5190726	5190808	Gmdrm	hypo	CHG	-0.0557
Gm02	5191246	5191451	Gmdrm	hypo	CHG	-0.8185
Gm02	5191555	5191630	Gmdrm	hypo	CHG	-0.6862
Gm02	5191735	5191866	Gmdrm	hypo	CHG	-0.745

Gm02	5192094	5192215	Gmdrm	hypo	CHG	-0.422
Gm02	5197504	5197692	Gmdrm	hypo	CHG	-0.7461
Gm02	5197819	5198072	Gmdrm	hypo	CHG	-0.2993
Gm02	5203215	5203381	Gmdrm	hypo	CHG	-0.6317
Gm02	5209820	5209922	Gmdrm	hypo	CHG	-0.64
Gm02	5210060	5210466	Gmdrm	hypo	CHG	-0.6525
Gm02	5211415	5211534	Gmdrm	hypo	CHG	-0.41
Gm02	5214879	5214894	Gmdrm	hypo	CHG	-0.6
Gm02	5215004	5215357	Gmdrm	hypo	CHG	-0.0939
Gm02	5216503	5216709	Gmdrm	hypo	CHG	-0.7792
Gm02	5222124	5222173	Gmdrm	hypo	CHG	-0.765
Gm02	5222314	5222482	Gmdrm	hypo	CHG	-0.77
Gm02	5227690	5227777	Gmdrm	hypo	CHG	-0.046
Gm02	5246685	5246765	Gmdrm	hypo	CHG	-0.152
Gm02	5261918	5262019	Gmdrm	hypo	CHG	-0.362
Gm02	5268721	5268778	Gmdrm	hypo	CHG	-0.6583
Gm02	5299836	5300038	Gmdrm	hypo	CHG	-0.6713
Gm02	5306269	5306438	Gmdrm	hypo	CHG	-0.0333
Gm02	5310328	5310583	Gmdrm	hypo	CHG	-0.0314
Gm02	5348583	5348775	Gmdrm	hypo	CHG	-0.3082
Gm02	5348918	5349116	Gmdrm	hypo	CHG	-0.53
Gm02	5361411	5361570	Gmdrm	hypo	CHG	-0.8384
Gm02	5372420	5372523	Gmdrm	hypo	CHG	-0.436
Gm02	5372870	5373088	Gmdrm	hypo	CHG	-0.824
Gm02	5380625	5380869	Gmdrm	hypo	CHG	-0.4185
Gm02	5381059	5381307	Gmdrm	hypo	CHG	-0.4117
Gm02	5381420	5382147	Gmdrm	hypo	CHG	-0.2307
Gm02	5382491	5382633	Gmdrm	hypo	CHG	-0.4138
Gm02	5382735	5382877	Gmdrm	hypo	CHG	-0.263
Gm02	5394212	5394258	Gmdrm	hypo	CHG	-0.7367
Gm02	5417727	5417773	Gmdrm	hypo	CHG	-0.08
Gm02	5418133	5418229	Gmdrm	hypo	CHG	-0.795
Gm02	5418449	5418529	Gmdrm	hypo	CHG	-0.682
Gm02	5425632	5425776	Gmdrm	hypo	CHG	-0.4666
Gm02	5426432	5427018	Gmdrm	hypo	CHG	-0.2324
Gm02	5444004	5444115	Gmdrm	hypo	CHG	-0.8967
Gm02	5444383	5444575	Gmdrm	hypo	CHG	-0.7312
Gm02	5470101	5470414	Gmdrm	hypo	CHG	-0.3073
Gm02	5477694	5477992	Gmdrm	hypo	CHG	-0.0429
Gm02	5506628	5506762	Gmdrm	hypo	CHG	-0.6382
Gm02	5507010	5507536	Gmdrm	hypo	CHG	-0.6419
Gm02	5513526	5513619	Gmdrm	hypo	CHG	-0.8688
Gm02	5513750	5513888	Gmdrm	hypo	CHG	-0.5
Gm02	5514014	5514103	Gmdrm	hypo	CHG	-0.4613
Gm02	5520347	5520462	Gmdrm	hypo	CHG	-0.175
Gm02	5539179	5539200	Gmdrm	hypo	CHG	-0.2957

Gm02	5572883	5573313	Gmdrm	hypo	CHG	-0.054
Gm02	5584808	5585771	Gmdrm	hypo	CHG	-0.1938
Gm02	5590865	5590952	Gmdrm	hypo	CHG	-0.4934
Gm02	5591157	5591327	Gmdrm	hypo	CHG	-0.48
Gm02	5606544	5606567	Gmdrm	hypo	CHG	-0.865
Gm02	5606928	5607015	Gmdrm	hypo	CHG	-0.3966
Gm02	5623949	5624025	Gmdrm	hypo	CHG	-0.7128
Gm02	5654585	5655088	Gmdrm	hypo	CHG	-0.5395
Gm02	5671894	5672163	Gmdrm	hypo	CHG	-0.045
Gm02	5678594	5678970	Gmdrm	hypo	CHG	-0.3728
Gm02	5686980	5687062	Gmdrm	hypo	CHG	-0.455
Gm02	5692813	5692921	Gmdrm	hypo	CHG	-0.55
Gm02	5696755	5696970	Gmdrm	hypo	CHG	-0.054
Gm02	5711263	5711644	Gmdrm	hypo	CHG	-0.3009
Gm02	5719507	5719695	Gmdrm	hypo	CHG	-0.0457
Gm02	5722601	5722808	Gmdrm	hypo	CHG	-0.2925
Gm02	5728003	5728024	Gmdrm	hypo	CHG	-0.51
Gm02	5728140	5728507	Gmdrm	hypo	CHG	-0.451
Gm02	5730294	5730421	Gmdrm	hypo	CHG	-0.8633
Gm02	5730548	5730603	Gmdrm	hypo	CHG	-0.932
Gm02	5733789	5733915	Gmdrm	hypo	CHG	-0.4487
Gm02	5735141	5735289	Gmdrm	hypo	CHG	-0.04
Gm02	5747343	5747725	Gmdrm	hypo	CHG	-0.2973
Gm02	5757848	5757942	Gmdrm	hypo	CHG	-0.355
Gm02	5769830	5769932	Gmdrm	hypo	CHG	-0.3411
Gm02	5785862	5786056	Gmdrm	hypo	CHG	-0.07
Gm02	5797199	5797449	Gmdrm	hypo	CHG	-0.217
Gm02	5817411	5817545	Gmdrm	hypo	CHG	-0.0788
Gm02	5822631	5822886	Gmdrm	hypo	CHG	-0.0883
Gm02	5823492	5824483	Gmdrm	hypo	CHG	-0.3047
Gm02	5831560	5831868	Gmdrm	hypo	CHG	-0.7578
Gm02	5835370	5835543	Gmdrm	hypo	CHG	-0.665
Gm02	5837071	5837414	Gmdrm	hypo	CHG	-0.809
Gm02	5841046	5841229	Gmdrm	hypo	CHG	-0.058
Gm02	5847173	5847220	Gmdrm	hypo	CHG	-0.516
Gm02	5858741	5858925	Gmdrm	hypo	CHG	-0.7533
Gm02	5859183	5859303	Gmdrm	hypo	CHG	-0.605
Gm02	5861537	5861633	Gmdrm	hypo	CHG	-0.032
Gm02	5866012	5866109	Gmdrm	hypo	CHG	-0.4845
Gm02	5867424	5867496	Gmdrm	hypo	CHG	-0.102
Gm02	5892687	5893449	Gmdrm	hypo	CHG	-0.0253
Gm02	5917567	5917885	Gmdrm	hypo	CHG	-0.2076
Gm02	5917991	5918127	Gmdrm	hypo	CHG	-0.2411
Gm02	5923333	5923796	Gmdrm	hypo	CHG	-0.5775
Gm02	5923932	5923949	Gmdrm	hypo	CHG	-0.582
Gm02	5924223	5924423	Gmdrm	hypo	CHG	-0.0363

Gm02	5926340	5926489	Gmdrm	hypo	CHG	-0.1828
Gm02	5963350	5963412	Gmdrm	hypo	CHG	-0.42
Gm02	5968025	5968191	Gmdrm	hypo	CHG	-0.0308
Gm02	5974588	5974645	Gmdrm	hypo	CHG	-0.04
Gm02	5984774	5984946	Gmdrm	hypo	CHG	-0.8386
Gm02	6007770	6008009	Gmdrm	hypo	CHG	-0.8859
Gm02	6008304	6008542	Gmdrm	hypo	CHG	-0.795
Gm02	6044239	6044304	Gmdrm	hypo	CHG	-0.634
Gm02	6062958	6063178	Gmdrm	hypo	CHG	-0.0472
Gm02	6095763	6095903	Gmdrm	hypo	CHG	-0.26
Gm02	6135370	6135496	Gmdrm	hypo	CHG	-0.2325
Gm02	6141769	6141797	Gmdrm	hypo	CHG	-0.21
Gm02	6154671	6154715	Gmdrm	hypo	CHG	-0.05
Gm02	6154840	6154854	Gmdrm	hypo	CHG	-0.5133
Gm02	6154981	6155437	Gmdrm	hypo	CHG	-0.3433
Gm02	6175890	6175976	Gmdrm	hypo	CHG	-0.156
Gm02	6187501	6187720	Gmdrm	hypo	CHG	-0.17
Gm02	6193222	6193513	Gmdrm	hypo	CHG	-0.394
Gm02	6196411	6196520	Gmdrm	hypo	CHG	-0.0384
Gm02	6212370	6212533	Gmdrm	hypo	CHG	-0.803
Gm02	6212664	6212865	Gmdrm	hypo	CHG	-0.7084
Gm02	6260154	6260290	Gmdrm	hypo	CHG	-0.655
Gm02	6260625	6260642	Gmdrm	hypo	CHG	-0.682
Gm02	6260782	6260808	Gmdrm	hypo	CHG	-0.51
Gm02	6274323	6274904	Gmdrm	hypo	CHG	-0.7273
Gm02	6276826	6277020	Gmdrm	hypo	CHG	-0.0422
Gm02	6283656	6283850	Gmdrm	hypo	CHG	-0.0512
Gm02	6285019	6285144	Gmdrm	hypo	CHG	-0.0345
Gm02	6294666	6294938	Gmdrm	hypo	CHG	-0.03
Gm02	6332430	6332505	Gmdrm	hypo	CHG	-0.455
Gm02	6332678	6332714	Gmdrm	hypo	CHG	-0.44
Gm02	6334812	6335031	Gmdrm	hypo	CHG	-0.026
Gm02	6342677	6342964	Gmdrm	hypo	CHG	-0.2014
Gm02	6354667	6354688	Gmdrm	hypo	CHG	-0.482
Gm02	6357168	6357211	Gmdrm	hypo	CHG	-0.63
Gm02	6362431	6362614	Gmdrm	hypo	CHG	-0.5574
Gm02	6366287	6366889	Gmdrm	hypo	CHG	-0.0484
Gm02	6373291	6373540	Gmdrm	hypo	CHG	-0.3854
Gm02	6389095	6389286	Gmdrm	hypo	CHG	-0.0557
Gm02	6402805	6403061	Gmdrm	hypo	CHG	-0.6256
Gm02	6403320	6403411	Gmdrm	hypo	CHG	-0.7967
Gm02	6403739	6404135	Gmdrm	hypo	CHG	-0.48
Gm02	6404244	6404313	Gmdrm	hypo	CHG	-0.6613
Gm02	6410439	6410706	Gmdrm	hypo	CHG	-0.7527
Gm02	6410873	6411228	Gmdrm	hypo	CHG	-0.6715
Gm02	6431104	6431223	Gmdrm	hypo	CHG	-0.0333

Gm02	6456189	6456429	Gmdrm	hypo	CHG	-0.2747
Gm02	6461694	6462016	Gmdrm	hypo	CHG	-0.6019
Gm02	6462147	6462636	Gmdrm	hypo	CHG	-0.2196
Gm02	6463356	6463416	Gmdrm	hypo	CHG	-0.53
Gm02	6465725	6465883	Gmdrm	hypo	CHG	-0.2925
Gm02	6475029	6475206	Gmdrm	hypo	CHG	-0.4382
Gm02	6497572	6497639	Gmdrm	hypo	CHG	-0.034
Gm02	6503655	6503834	Gmdrm	hypo	CHG	-0.2928
Gm02	6515837	6516018	Gmdrm	hypo	CHG	-0.265
Gm02	6534820	6535022	Gmdrm	hypo	CHG	-0.032
Gm02	6536692	6536751	Gmdrm	hypo	CHG	-0.046
Gm02	6548408	6548847	Gmdrm	hypo	CHG	-0.0308
Gm02	6549025	6549073	Gmdrm	hypo	CHG	-0.56
Gm02	6549261	6549401	Gmdrm	hypo	CHG	-0.6871
Gm02	6554596	6554659	Gmdrm	hypo	CHG	-0.036
Gm02	6592437	6592569	Gmdrm	hypo	CHG	-0.898
Gm02	6602377	6602475	Gmdrm	hypo	CHG	-0.4872
Gm02	6602748	6602885	Gmdrm	hypo	CHG	-0.6113
Gm02	6624728	6624925	Gmdrm	hypo	CHG	-0.4975
Gm02	6646176	6646398	Gmdrm	hypo	CHG	-0.0433
Gm02	6650344	6650522	Gmdrm	hypo	CHG	-0.04
Gm02	6655841	6656139	Gmdrm	hypo	CHG	-0.22
Gm02	6678660	6678718	Gmdrm	hypo	CHG	-0.045
Gm02	6687181	6687295	Gmdrm	hypo	CHG	-0.6683
Gm02	6694184	6694209	Gmdrm	hypo	CHG	-0.554
Gm02	6694377	6694532	Gmdrm	hypo	CHG	-0.6169
Gm02	6696597	6696975	Gmdrm	hypo	CHG	-0.18
Gm02	6709047	6709385	Gmdrm	hypo	CHG	-0.1635
Gm02	6709750	6709988	Gmdrm	hypo	CHG	-0.061
Gm02	6721196	6721367	Gmdrm	hypo	CHG	-0.7311
Gm02	6721670	6721774	Gmdrm	hypo	CHG	-0.0758
Gm02	6730777	6730950	Gmdrm	hypo	CHG	-0.6691
Gm02	6731110	6731150	Gmdrm	hypo	CHG	-0.386
Gm02	6738564	6738700	Gmdrm	hypo	CHG	-0.2356
Gm02	6748081	6748224	Gmdrm	hypo	CHG	-0.0578
Gm02	6752260	6752689	Gmdrm	hypo	CHG	-0.0869
Gm02	6802785	6802999	Gmdrm	hypo	CHG	-0.115
Gm02	6849398	6849596	Gmdrm	hypo	CHG	-0.6237
Gm02	6864300	6864501	Gmdrm	hypo	CHG	-0.2189
Gm02	6865135	6865348	Gmdrm	hypo	CHG	-0.5869
Gm02	6867607	6867798	Gmdrm	hypo	CHG	-0.0467
Gm02	6898876	6899078	Gmdrm	hypo	CHG	-0.052
Gm02	6913234	6913304	Gmdrm	hypo	CHG	-0.462
Gm02	6915897	6915998	Gmdrm	hypo	CHG	-0.4567
Gm02	6925925	6926406	Gmdrm	hypo	CHG	-0.3342
Gm02	6935580	6935838	Gmdrm	hypo	CHG	-0.0236

Gm02	6956218	6956323	Gmdrm	hypo	CHG	-0.815
Gm02	6980390	6980632	Gmdrm	hypo	CHG	-0.4538
Gm02	6981925	6981951	Gmdrm	hypo	CHG	-0.436
Gm02	6998789	6998865	Gmdrm	hypo	CHG	-0.0543
Gm02	7012617	7012836	Gmdrm	hypo	CHG	-0.036
Gm02	7037180	7037378	Gmdrm	hypo	CHG	-0.682
Gm02	7065584	7065637	Gmdrm	hypo	CHG	-0.042
Gm02	7087582	7087791	Gmdrm	hypo	CHG	-0.4945
Gm02	7093615	7093781	Gmdrm	hypo	CHG	-0.6114
Gm02	7098136	7098384	Gmdrm	hypo	CHG	-0.5
Gm02	7110343	7110532	Gmdrm	hypo	CHG	-0.5868
Gm02	7112634	7112903	Gmdrm	hypo	CHG	-0.2766
Gm02	7158878	7159226	Gmdrm	hypo	CHG	-0.04
Gm02	7162589	7162881	Gmdrm	hypo	CHG	-0.2721
Gm02	7165783	7166768	Gmdrm	hypo	CHG	-0.3995
Gm02	7171702	7171965	Gmdrm	hypo	CHG	-0.8167
Gm02	7179507	7179645	Gmdrm	hypo	CHG	-0.49
Gm02	7182289	7182525	Gmdrm	hypo	CHG	-0.4725
Gm02	7184216	7184374	Gmdrm	hypo	CHG	-0.2471
Gm02	7192569	7192940	Gmdrm	hypo	CHG	-0.046
Gm02	7196009	7196044	Gmdrm	hypo	CHG	-0.6875
Gm02	7203196	7203314	Gmdrm	hypo	CHG	-0.507
Gm02	7205304	7205382	Gmdrm	hypo	CHG	-0.4712
Gm02	7212045	7212152	Gmdrm	hypo	CHG	-0.4584
Gm02	7253053	7253230	Gmdrm	hypo	CHG	-0.032
Gm02	7260011	7260092	Gmdrm	hypo	CHG	-0.655
Gm02	7264410	7264641	Gmdrm	hypo	CHG	-0.5778
Gm02	7275375	7275807	Gmdrm	hypo	CHG	-0.5679
Gm02	7276300	7276522	Gmdrm	hypo	CHG	-0.54
Gm02	7296949	7297318	Gmdrm	hypo	CHG	-0.6179
Gm02	7297459	7297529	Gmdrm	hypo	CHG	-0.8
Gm02	7301917	7302147	Gmdrm	hypo	CHG	-0.4478
Gm02	7306292	7306589	Gmdrm	hypo	CHG	-0.1937
Gm02	7321183	7321486	Gmdrm	hypo	CHG	-0.4415
Gm02	7322146	7322451	Gmdrm	hypo	CHG	-0.3166
Gm02	7322640	7322682	Gmdrm	hypo	CHG	-0.255
Gm02	7331342	7331406	Gmdrm	hypo	CHG	-0.6783
Gm02	7339606	7339735	Gmdrm	hypo	CHG	-0.2899
Gm02	7353209	7353331	Gmdrm	hypo	CHG	-0.0517
Gm02	7354975	7355936	Gmdrm	hypo	CHG	-0.1402
Gm02	7357873	7357921	Gmdrm	hypo	CHG	-0.395
Gm02	7360769	7361067	Gmdrm	hypo	CHG	-0.0611
Gm02	7370524	7371055	Gmdrm	hypo	CHG	-0.3741
Gm02	7382008	7382195	Gmdrm	hypo	CHG	-0.9033
Gm02	7382455	7382502	Gmdrm	hypo	CHG	-0.78
Gm02	7394898	7395091	Gmdrm	hypo	CHG	-0.0434

Gm02	7398501	7398657	Gmdrm	hypo	CHG	-0.4717
Gm02	7420948	7421319	Gmdrm	hypo	CHG	-0.0813
Gm02	7421506	7422501	Gmdrm	hypo	CHG	-0.1473
Gm02	7439532	7439626	Gmdrm	hypo	CHG	-0.102
Gm02	7451474	7451710	Gmdrm	hypo	CHG	-0.4975
Gm02	7463450	7463799	Gmdrm	hypo	CHG	-0.0522
Gm02	7477599	7477821	Gmdrm	hypo	CHG	-0.6693
Gm02	7482806	7483045	Gmdrm	hypo	CHG	-0.038
Gm02	7494804	7494893	Gmdrm	hypo	CHG	-0.0272
Gm02	7527320	7527901	Gmdrm	hypo	CHG	-0.1951
Gm02	7538988	7539031	Gmdrm	hypo	CHG	-0.3367
Gm02	7578560	7578826	Gmdrm	hypo	CHG	-0.0957
Gm02	7582124	7582384	Gmdrm	hypo	CHG	-0.7556
Gm02	7586175	7586907	Gmdrm	hypo	CHG	-0.2779
Gm02	7591243	7591367	Gmdrm	hypo	CHG	-0.106
Gm02	7615142	7615295	Gmdrm	hypo	CHG	-0.064
Gm02	7637191	7637216	Gmdrm	hypo	CHG	-0.484
Gm02	7638775	7638979	Gmdrm	hypo	CHG	-0.34
Gm02	7647452	7647682	Gmdrm	hypo	CHG	-0.5325
Gm02	7648020	7648118	Gmdrm	hypo	CHG	-0.552
Gm02	7670709	7670800	Gmdrm	hypo	CHG	-0.042
Gm02	7676361	7676534	Gmdrm	hypo	CHG	-0.415
Gm02	7679191	7680171	Gmdrm	hypo	CHG	-0.1143
Gm02	7690661	7690957	Gmdrm	hypo	CHG	-0.2271
Gm02	7692366	7692555	Gmdrm	hypo	CHG	-0.6938
Gm02	7712783	7712895	Gmdrm	hypo	CHG	-0.4812
Gm02	7713233	7713422	Gmdrm	hypo	CHG	-0.1
Gm02	7713565	7713702	Gmdrm	hypo	CHG	-0.4286
Gm02	7718356	7718561	Gmdrm	hypo	CHG	-0.051
Gm02	7746179	7746471	Gmdrm	hypo	CHG	-0.23
Gm02	7749585	7749958	Gmdrm	hypo	CHG	-0.304
Gm02	7766916	7767027	Gmdrm	hypo	CHG	-0.5411
Gm02	7767170	7767404	Gmdrm	hypo	CHG	-0.382
Gm02	7782274	7782468	Gmdrm	hypo	CHG	-0.4529
Gm02	7784614	7784642	Gmdrm	hypo	CHG	-0.4616
Gm02	7787248	7787471	Gmdrm	hypo	CHG	-0.718
Gm02	7821583	7821815	Gmdrm	hypo	CHG	-0.316
Gm02	7843895	7844201	Gmdrm	hypo	CHG	-0.2675
Gm02	7888050	7888133	Gmdrm	hypo	CHG	-0.7233
Gm02	7888318	7888554	Gmdrm	hypo	CHG	-0.8088
Gm02	7888834	7889067	Gmdrm	hypo	CHG	-0.2417
Gm02	7891719	7891846	Gmdrm	hypo	CHG	-0.5308
Gm02	7893788	7893833	Gmdrm	hypo	CHG	-0.144
Gm02	7941460	7941588	Gmdrm	hypo	CHG	-0.158
Gm02	7954311	7954593	Gmdrm	hypo	CHG	-0.383
Gm02	7960684	7961266	Gmdrm	hypo	CHG	-0.18

Gm02	7965021	7965459	Gmdrm	hypo	CHG	-0.211
Gm02	7968649	7968798	Gmdrm	hypo	CHG	-0.1286
Gm02	8000512	8000789	Gmdrm	hypo	CHG	-0.3233
Gm02	8002930	8003333	Gmdrm	hypo	CHG	-0.4382
Gm02	8046272	8046373	Gmdrm	hypo	CHG	-0.04
Gm02	8073172	8073306	Gmdrm	hypo	CHG	-0.452
Gm02	8088419	8088541	Gmdrm	hypo	CHG	-0.5887
Gm02	8098118	8098413	Gmdrm	hypo	CHG	-0.4881
Gm02	8127168	8127583	Gmdrm	hypo	CHG	-0.3108
Gm02	8127825	8127991	Gmdrm	hypo	CHG	-0.1791
Gm02	8139073	8139261	Gmdrm	hypo	CHG	-0.0658
Gm02	8158467	8158630	Gmdrm	hypo	CHG	-0.7439
Gm02	8166675	8166841	Gmdrm	hypo	CHG	-0.4541
Gm02	8170099	8170341	Gmdrm	hypo	CHG	-0.1275
Gm02	8207488	8207875	Gmdrm	hypo	CHG	-0.2156
Gm02	8226132	8226244	Gmdrm	hypo	CHG	-0.036
Gm02	8227480	8227672	Gmdrm	hypo	CHG	-0.8091
Gm02	8227801	8228194	Gmdrm	hypo	CHG	-0.8837
Gm02	8230967	8231278	Gmdrm	hypo	CHG	-0.4417
Gm02	8247381	8247413	Gmdrm	hypo	CHG	-0.065
Gm02	8253225	8253998	Gmdrm	hypo	CHG	-0.3253
Gm02	8261766	8261819	Gmdrm	hypo	CHG	-0.61
Gm02	8262028	8262183	Gmdrm	hypo	CHG	-0.5387
Gm02	8294238	8294307	Gmdrm	hypo	CHG	-0.042
Gm02	8308562	8308796	Gmdrm	hypo	CHG	-0.3817
Gm02	8325973	8326090	Gmdrm	hypo	CHG	-0.2367
Gm02	8353045	8353231	Gmdrm	hypo	CHG	-0.2462
Gm02	8353407	8353503	Gmdrm	hypo	CHG	-0.4718
Gm02	8362662	8362857	Gmdrm	hypo	CHG	-0.066
Gm02	8396074	8396213	Gmdrm	hypo	CHG	-0.108
Gm02	8399522	8399741	Gmdrm	hypo	CHG	-0.8328
Gm02	8399980	8400488	Gmdrm	hypo	CHG	-0.8825
Gm02	8403284	8403603	Gmdrm	hypo	CHG	-0.5357
Gm02	8403717	8403853	Gmdrm	hypo	CHG	-0.8928
Gm02	8406002	8406330	Gmdrm	hypo	CHG	-0.0629
Gm02	8409073	8409147	Gmdrm	hypo	CHG	-0.1085
Gm02	8433356	8433465	Gmdrm	hypo	CHG	-0.12
Gm02	8433663	8433940	Gmdrm	hypo	CHG	-0.4429
Gm02	8437476	8437770	Gmdrm	hypo	CHG	-0.5146
Gm02	8442389	8442602	Gmdrm	hypo	CHG	-0.5176
Gm02	8442740	8442908	Gmdrm	hypo	CHG	-0.3628
Gm02	8469507	8469747	Gmdrm	hypo	CHG	-0.8036
Gm02	8481591	8482159	Gmdrm	hypo	CHG	-0.7606
Gm02	8485766	8486063	Gmdrm	hypo	CHG	-0.0538
Gm02	8498953	8499133	Gmdrm	hypo	CHG	-0.0367
Gm02	8499705	8500003	Gmdrm	hypo	CHG	-0.3267

Gm02	8501191	8501337	Gmdrm	hypo	CHG	-0.3854
Gm02	8523255	8523348	Gmdrm	hypo	CHG	-0.306
Gm02	8560611	8560746	Gmdrm	hypo	CHG	-0.0283
Gm02	8561133	8561603	Gmdrm	hypo	CHG	-0.56
Gm02	8566032	8566840	Gmdrm	hypo	CHG	-0.0747
Gm02	8604168	8604717	Gmdrm	hypo	CHG	-0.5509
Gm02	8617268	8617391	Gmdrm	hypo	CHG	-0.03
Gm02	8618832	8619170	Gmdrm	hypo	CHG	-0.2625
Gm02	8626384	8626584	Gmdrm	hypo	CHG	-0.0512
Gm02	8626821	8626871	Gmdrm	hypo	CHG	-0.764
Gm02	8644596	8644974	Gmdrm	hypo	CHG	-0.2473
Gm02	8652231	8652321	Gmdrm	hypo	CHG	-0.5
Gm02	8656819	8656982	Gmdrm	hypo	CHG	-0.4588
Gm02	8661009	8661318	Gmdrm	hypo	CHG	-0.0431
Gm02	8666521	8666698	Gmdrm	hypo	CHG	-0.2987
Gm02	8672262	8672929	Gmdrm	hypo	CHG	-0.7158
Gm02	8683042	8683303	Gmdrm	hypo	CHG	-0.1031
Gm02	8687484	8687618	Gmdrm	hypo	CHG	-0.6488
Gm02	8688182	8688376	Gmdrm	hypo	CHG	-0.4689
Gm02	8691740	8691765	Gmdrm	hypo	CHG	-0.1729
Gm02	8711646	8711805	Gmdrm	hypo	CHG	-0.5517
Gm02	8712652	8712925	Gmdrm	hypo	CHG	-0.56
Gm02	8718675	8718723	Gmdrm	hypo	CHG	-0.1367
Gm02	8724174	8724906	Gmdrm	hypo	CHG	-0.6886
Gm02	8726192	8726364	Gmdrm	hypo	CHG	-0.0438
Gm02	8727260	8727319	Gmdrm	hypo	CHG	-0.05
Gm02	8746305	8746466	Gmdrm	hypo	CHG	-0.353
Gm02	8747540	8747791	Gmdrm	hypo	CHG	-0.27
Gm02	8748113	8748224	Gmdrm	hypo	CHG	-0.0643
Gm02	8752721	8752875	Gmdrm	hypo	CHG	-0.4823
Gm02	8753080	8753220	Gmdrm	hypo	CHG	-0.6485
Gm02	8774912	8775548	Gmdrm	hypo	CHG	-0.2531
Gm02	8775861	8775897	Gmdrm	hypo	CHG	-0.8
Gm02	8777544	8777678	Gmdrm	hypo	CHG	-0.71
Gm02	8778339	8778374	Gmdrm	hypo	CHG	-0.03
Gm02	8780899	8781755	Gmdrm	hypo	CHG	-0.3684
Gm02	8792541	8792722	Gmdrm	hypo	CHG	-0.0731
Gm02	8822131	8822234	Gmdrm	hypo	CHG	-0.5175
Gm02	8822465	8822580	Gmdrm	hypo	CHG	-0.7788
Gm02	8824624	8824756	Gmdrm	hypo	CHG	-0.0362
Gm02	8824966	8825264	Gmdrm	hypo	CHG	-0.8327
Gm02	8832932	8833419	Gmdrm	hypo	CHG	-0.5104
Gm02	8836647	8836669	Gmdrm	hypo	CHG	-0.8033
Gm02	8855983	8856592	Gmdrm	hypo	CHG	-0.63
Gm02	8862654	8863019	Gmdrm	hypo	CHG	-0.3734
Gm02	8893475	8893771	Gmdrm	hypo	CHG	-0.6089

Gm02	8901006	8901074	Gmdrm	hypo	CHG	-0.764
Gm02	8901540	8901692	Gmdrm	hypo	CHG	-0.8055
Gm02	8930305	8930527	Gmdrm	hypo	CHG	-0.6065
Gm02	8931934	8931973	Gmdrm	hypo	CHG	-0.1257
Gm02	8933147	8933402	Gmdrm	hypo	CHG	-0.2025
Gm02	8934156	8934351	Gmdrm	hypo	CHG	-0.03
Gm02	8944751	8945374	Gmdrm	hypo	CHG	-0.3168
Gm02	8947989	8948622	Gmdrm	hypo	CHG	-0.2835
Gm02	8973741	8973882	Gmdrm	hypo	CHG	-0.4355
Gm02	8988880	8989187	Gmdrm	hypo	CHG	-0.3267
Gm02	9006851	9007842	Gmdrm	hypo	CHG	-0.2226
Gm02	9018792	9019193	Gmdrm	hypo	CHG	-0.4068
Gm02	9019365	9019683	Gmdrm	hypo	CHG	-0.2107
Gm02	9061556	9061755	Gmdrm	hypo	CHG	-0.2753
Gm02	9061962	9062179	Gmdrm	hypo	CHG	-0.406
Gm02	9116325	9116419	Gmdrm	hypo	CHG	-0.5463
Gm02	9119397	9119609	Gmdrm	hypo	CHG	-0.4483
Gm02	9119762	9120004	Gmdrm	hypo	CHG	-0.8889
Gm02	9129590	9129650	Gmdrm	hypo	CHG	-0.134
Gm02	9133353	9133674	Gmdrm	hypo	CHG	-0.2464
Gm02	9145915	9146197	Gmdrm	hypo	CHG	-0.4128
Gm02	9168315	9168348	Gmdrm	hypo	CHG	-0.484
Gm02	9174000	9174189	Gmdrm	hypo	CHG	-0.0857
Gm02	9185623	9185973	Gmdrm	hypo	CHG	-0.6061
Gm02	9186121	9186281	Gmdrm	hypo	CHG	-0.3645
Gm02	9194685	9194812	Gmdrm	hypo	CHG	-0.6355
Gm02	9196418	9196694	Gmdrm	hypo	CHG	-0.4907
Gm02	9198013	9198968	Gmdrm	hypo	CHG	-0.1588
Gm02	9212836	9213037	Gmdrm	hypo	CHG	-0.151
Gm02	9222930	9223092	Gmdrm	hypo	CHG	-0.05
Gm02	9233719	9233904	Gmdrm	hypo	CHG	-0.4817
Gm02	9234391	9234690	Gmdrm	hypo	CHG	-0.3128
Gm02	9258823	9258934	Gmdrm	hypo	CHG	-0.5771
Gm02	9274025	9274183	Gmdrm	hypo	CHG	-0.4557
Gm02	9276854	9277102	Gmdrm	hypo	CHG	-0.2842
Gm02	9277268	9277376	Gmdrm	hypo	CHG	-0.34
Gm02	9280238	9280538	Gmdrm	hypo	CHG	-0.3324
Gm02	9288420	9288655	Gmdrm	hypo	CHG	-0.5543
Gm02	9296138	9296561	Gmdrm	hypo	CHG	-0.5071
Gm02	9306244	9306472	Gmdrm	hypo	CHG	-0.4943
Gm02	9322827	9322993	Gmdrm	hypo	CHG	-0.1633
Gm02	9341651	9341731	Gmdrm	hypo	CHG	-0.8933
Gm02	9341852	9342220	Gmdrm	hypo	CHG	-0.4324
Gm02	9350887	9350969	Gmdrm	hypo	CHG	-0.57
Gm02	9355872	9356027	Gmdrm	hypo	CHG	-0.026
Gm02	9357146	9357477	Gmdrm	hypo	CHG	-0.2029

Gm02	9378808	9378953	Gmdrm	hypo	CHG	-0.09
Gm02	9385434	9385537	Gmdrm	hypo	CHG	-0.4971
Gm02	9386721	9386739	Gmdrm	hypo	CHG	-0.9333
Gm02	9386842	9387013	Gmdrm	hypo	CHG	-0.9125
Gm02	9387152	9387389	Gmdrm	hypo	CHG	-0.1989
Gm02	9396790	9396958	Gmdrm	hypo	CHG	-0.1786
Gm02	9421963	9422026	Gmdrm	hypo	CHG	-0.758
Gm02	9433134	9433260	Gmdrm	hypo	CHG	-0.062
Gm02	9448907	9449094	Gmdrm	hypo	CHG	-0.6825
Gm02	9449195	9449304	Gmdrm	hypo	CHG	-0.5963
Gm02	9449580	9449751	Gmdrm	hypo	CHG	-0.3922
Gm02	9450202	9450295	Gmdrm	hypo	CHG	-0.5688
Gm02	9473630	9473735	Gmdrm	hypo	CHG	-0.078
Gm02	9485176	9485417	Gmdrm	hypo	CHG	-0.2509
Gm02	9499360	9499600	Gmdrm	hypo	CHG	-0.0286
Gm02	9521255	9521591	Gmdrm	hypo	CHG	-0.3855
Gm02	9521762	9522188	Gmdrm	hypo	CHG	-0.46
Gm02	9525603	9525727	Gmdrm	hypo	CHG	-0.9308
Gm02	9525939	9526183	Gmdrm	hypo	CHG	-0.0483
Gm02	9529290	9529342	Gmdrm	hypo	CHG	-0.922
Gm02	9529485	9529582	Gmdrm	hypo	CHG	-0.8678
Gm02	9529719	9529848	Gmdrm	hypo	CHG	-0.9137
Gm02	9529950	9530011	Gmdrm	hypo	CHG	-0.8567
Gm02	9530139	9530227	Gmdrm	hypo	CHG	-0.8612
Gm02	9532668	9533234	Gmdrm	hypo	CHG	-0.6096
Gm02	9537783	9538265	Gmdrm	hypo	CHG	-0.3016
Gm02	9557407	9557906	Gmdrm	hypo	CHG	-0.0309
Gm02	9562351	9562634	Gmdrm	hypo	CHG	-0.6379
Gm02	9574119	9574216	Gmdrm	hypo	CHG	-0.255
Gm02	9595404	9595515	Gmdrm	hypo	CHG	-0.275
Gm02	9596899	9597003	Gmdrm	hypo	CHG	-0.2672
Gm02	9597117	9597198	Gmdrm	hypo	CHG	-0.718
Gm02	9615622	9615817	Gmdrm	hypo	CHG	-0.6014
Gm02	9629109	9629283	Gmdrm	hypo	CHG	-0.37
Gm02	9629558	9629673	Gmdrm	hypo	CHG	-0.24
Gm02	9630009	9630189	Gmdrm	hypo	CHG	-0.805
Gm02	9630301	9630418	Gmdrm	hypo	CHG	-0.6983
Gm02	9634516	9634889	Gmdrm	hypo	CHG	-0.61
Gm02	9635862	9636614	Gmdrm	hypo	CHG	-0.5223
Gm02	9652602	9652911	Gmdrm	hypo	CHG	-0.0385
Gm02	9669359	9669666	Gmdrm	hypo	CHG	-0.4838
Gm02	9671347	9671434	Gmdrm	hypo	CHG	-0.454
Gm02	9671927	9671994	Gmdrm	hypo	CHG	-0.75
Gm02	9672505	9672715	Gmdrm	hypo	CHG	-0.6773
Gm02	9680279	9680451	Gmdrm	hypo	CHG	-0.2733
Gm02	9690563	9690584	Gmdrm	hypo	CHG	-0.61

Gm02	9690848	9690963	Gmdrm	hypo	CHG	-0.5076
Gm02	9701784	9701884	Gmdrm	hypo	CHG	-0.237
Gm02	9710948	9711101	Gmdrm	hypo	CHG	-0.752
Gm02	9715862	9716425	Gmdrm	hypo	CHG	-0.42
Gm02	9717066	9717302	Gmdrm	hypo	CHG	-0.4678
Gm02	9719318	9719475	Gmdrm	hypo	CHG	-0.0637
Gm02	9720114	9720206	Gmdrm	hypo	CHG	-0.6266
Gm02	9721008	9721053	Gmdrm	hypo	CHG	-0.69
Gm02	9721300	9721357	Gmdrm	hypo	CHG	-0.6467
Gm02	9721958	9722067	Gmdrm	hypo	CHG	-0.074
Gm02	9729743	9730025	Gmdrm	hypo	CHG	-0.29
Gm02	9737962	9738081	Gmdrm	hypo	CHG	-0.3556
Gm02	9761154	9761632	Gmdrm	hypo	CHG	-0.1753
Gm02	9764493	9764650	Gmdrm	hypo	CHG	-0.7544
Gm02	9764961	9765039	Gmdrm	hypo	CHG	-0.534
Gm02	9788732	9788802	Gmdrm	hypo	CHG	-0.1167
Gm02	9824724	9825275	Gmdrm	hypo	CHG	-0.3057
Gm02	9831721	9831788	Gmdrm	hypo	CHG	-0.2688
Gm02	9832261	9832523	Gmdrm	hypo	CHG	-0.3886
Gm02	9833647	9833796	Gmdrm	hypo	CHG	-0.4157
Gm02	9834676	9834876	Gmdrm	hypo	CHG	-0.818
Gm02	9843452	9843498	Gmdrm	hypo	CHG	-0.418
Gm02	9867799	9867851	Gmdrm	hypo	CHG	-0.6767
Gm02	9899834	9900038	Gmdrm	hypo	CHG	-0.68
Gm02	9910268	9910392	Gmdrm	hypo	CHG	-0.0675
Gm02	9910686	9910992	Gmdrm	hypo	CHG	-0.6883
Gm02	9929925	9930352	Gmdrm	hypo	CHG	-0.2584
Gm02	9940186	9940437	Gmdrm	hypo	CHG	-0.6622
Gm02	9961043	9961118	Gmdrm	hypo	CHG	-0.632
Gm02	9966889	9967250	Gmdrm	hypo	CHG	-0.0477
Gm02	9967364	9967771	Gmdrm	hypo	CHG	-0.5105
Gm02	9967938	9968328	Gmdrm	hypo	CHG	-0.7053
Gm02	9975955	9976029	Gmdrm	hypo	CHG	-0.246
Gm02	10037340	10037553	Gmdrm	hypo	CHG	-0.31
Gm02	10038767	10038830	Gmdrm	hypo	CHG	-0.565
Gm02	10076047	10076101	Gmdrm	hypo	CHG	-0.446
Gm02	10078046	10078187	Gmdrm	hypo	CHG	-0.665
Gm02	10078305	10078395	Gmdrm	hypo	CHG	-0.678
Gm02	10082326	10082479	Gmdrm	hypo	CHG	-0.07
Gm02	10111733	10112187	Gmdrm	hypo	CHG	-0.3135
Gm02	10152998	10153146	Gmdrm	hypo	CHG	-0.6599
Gm02	10153602	10153771	Gmdrm	hypo	CHG	-0.7362
Gm02	10163884	10164071	Gmdrm	hypo	CHG	-0.395
Gm02	10164199	10164249	Gmdrm	hypo	CHG	-0.855
Gm02	10187195	10187243	Gmdrm	hypo	CHG	-0.785
Gm02	10200474	10200780	Gmdrm	hypo	CHG	-0.8495

Gm02	10225960	10226080	Gmdrm	hypo	CHG	-0.5057
Gm02	10259177	10259218	Gmdrm	hypo	CHG	-0.1733
Gm02	10279885	10280074	Gmdrm	hypo	CHG	-0.0514
Gm02	10288434	10289029	Gmdrm	hypo	CHG	-0.2505
Gm02	10292209	10292295	Gmdrm	hypo	CHG	-0.6467
Gm02	10297959	10298007	Gmdrm	hypo	CHG	-0.056
Gm02	10313885	10314184	Gmdrm	hypo	CHG	-0.4007
Gm02	10314818	10314868	Gmdrm	hypo	CHG	-0.925
Gm02	10318483	10318546	Gmdrm	hypo	CHG	-0.044
Gm02	10322423	10322584	Gmdrm	hypo	CHG	-0.1887
Gm02	10328519	10328760	Gmdrm	hypo	CHG	-0.7238
Gm02	10328898	10329128	Gmdrm	hypo	CHG	-0.522
Gm02	10339940	10340066	Gmdrm	hypo	CHG	-0.6016
Gm02	10346513	10346679	Gmdrm	hypo	CHG	-0.5044
Gm02	10346899	10346975	Gmdrm	hypo	CHG	-0.35
Gm02	10348764	10348950	Gmdrm	hypo	CHG	-0.3343
Gm02	10370572	10370918	Gmdrm	hypo	CHG	-0.3709
Gm02	10373769	10373915	Gmdrm	hypo	CHG	-0.0867
Gm02	10406699	10406932	Gmdrm	hypo	CHG	-0.5209
Gm02	10407364	10407436	Gmdrm	hypo	CHG	-0.344
Gm02	10410752	10410938	Gmdrm	hypo	CHG	-0.42
Gm02	10411363	10411545	Gmdrm	hypo	CHG	-0.3257
Gm02	10412582	10412621	Gmdrm	hypo	CHG	-0.0817
Gm02	10425631	10425655	Gmdrm	hypo	CHG	-0.2233
Gm02	10464354	10464433	Gmdrm	hypo	CHG	-0.0645
Gm02	10468322	10468963	Gmdrm	hypo	CHG	-0.6666
Gm02	10469286	10469349	Gmdrm	hypo	CHG	-0.57
Gm02	10469761	10470071	Gmdrm	hypo	CHG	-0.5366
Gm02	10470375	10470762	Gmdrm	hypo	CHG	-0.7553
Gm02	10477844	10477985	Gmdrm	hypo	CHG	-0.6757
Gm02	10485930	10486394	Gmdrm	hypo	CHG	-0.345
Gm02	10504461	10505180	Gmdrm	hypo	CHG	-0.442
Gm02	10507848	10507907	Gmdrm	hypo	CHG	-0.2875
Gm02	10508160	10508271	Gmdrm	hypo	CHG	-0.4325
Gm02	10508500	10508652	Gmdrm	hypo	CHG	-0.3611
Gm02	10524566	10524968	Gmdrm	hypo	CHG	-0.03
Gm02	10530371	10530621	Gmdrm	hypo	CHG	-0.7082
Gm02	10531320	10531411	Gmdrm	hypo	CHG	-0.5884
Gm02	10531649	10531691	Gmdrm	hypo	CHG	-0.4
Gm02	10562720	10562866	Gmdrm	hypo	CHG	-0.3743
Gm02	10569079	10569318	Gmdrm	hypo	CHG	-0.3843
Gm02	10593268	10593336	Gmdrm	hypo	CHG	-0.8
Gm02	10600758	10600907	Gmdrm	hypo	CHG	-0.035
Gm02	10610875	10611059	Gmdrm	hypo	CHG	-0.3477
Gm02	10611586	10611701	Gmdrm	hypo	CHG	-0.4931
Gm02	10634380	10634457	Gmdrm	hypo	CHG	-0.335

Gm02	10639525	10639926	Gmdrm	hypo	CHG	-0.2606
Gm02	10664925	10665104	Gmdrm	hypo	CHG	-0.5872
Gm02	10665206	10665280	Gmdrm	hypo	CHG	-0.8333
Gm02	10682746	10683238	Gmdrm	hypo	CHG	-0.4363
Gm02	10699646	10699841	Gmdrm	hypo	CHG	-0.4043
Gm02	10726501	10726708	Gmdrm	hypo	CHG	-0.671
Gm02	10729362	10729452	Gmdrm	hypo	CHG	-0.8682
Gm02	10740827	10741143	Gmdrm	hypo	CHG	-0.1625
Gm02	10773720	10773860	Gmdrm	hypo	CHG	-0.64
Gm02	10821338	10821448	Gmdrm	hypo	CHG	-0.39
Gm02	10822295	10822442	Gmdrm	hypo	CHG	-0.4807
Gm02	10834260	10834297	Gmdrm	hypo	CHG	-0.66
Gm02	10839631	10840141	Gmdrm	hypo	CHG	-0.7323
Gm02	10853698	10854147	Gmdrm	hypo	CHG	-0.7025
Gm02	10889610	10889797	Gmdrm	hypo	CHG	-0.5986
Gm02	10915951	10916229	Gmdrm	hypo	CHG	-0.6465
Gm02	10960467	10960656	Gmdrm	hypo	CHG	-0.905
Gm02	10968768	10968855	Gmdrm	hypo	CHG	-0.7683
Gm02	10969803	10969826	Gmdrm	hypo	CHG	-0.12
Gm02	10972405	10972526	Gmdrm	hypo	CHG	-0.162
Gm02	10982283	10982570	Gmdrm	hypo	CHG	-0.0533
Gm02	10991170	10991281	Gmdrm	hypo	CHG	-0.355
Gm02	10991415	10991492	Gmdrm	hypo	CHG	-0.5117
Gm02	11005426	11005614	Gmdrm	hypo	CHG	-0.51
Gm02	11025949	11026095	Gmdrm	hypo	CHG	-0.0633
Gm02	11026381	11026663	Gmdrm	hypo	CHG	-0.6275
Gm02	11026816	11027144	Gmdrm	hypo	CHG	-0.793
Gm02	11027255	11027324	Gmdrm	hypo	CHG	-0.796
Gm02	11028310	11028560	Gmdrm	hypo	CHG	-0.094
Gm02	11036545	11036782	Gmdrm	hypo	CHG	-0.0533
Gm02	11043116	11043232	Gmdrm	hypo	CHG	-0.5516
Gm02	11043662	11043891	Gmdrm	hypo	CHG	-0.386
Gm02	11044502	11044596	Gmdrm	hypo	CHG	-0.0633
Gm02	11066697	11066972	Gmdrm	hypo	CHG	-0.5853
Gm02	11067428	11067485	Gmdrm	hypo	CHG	-0.128
Gm02	11076779	11076906	Gmdrm	hypo	CHG	-0.0971
Gm02	11095488	11095832	Gmdrm	hypo	CHG	-0.1518
Gm02	11096034	11096091	Gmdrm	hypo	CHG	-0.6175
Gm02	11096203	11096725	Gmdrm	hypo	CHG	-0.5655
Gm02	11096863	11096899	Gmdrm	hypo	CHG	-0.625
Gm02	11099138	11099349	Gmdrm	hypo	CHG	-0.048
Gm02	11105073	11105383	Gmdrm	hypo	CHG	-0.882
Gm02	11105511	11105805	Gmdrm	hypo	CHG	-0.2627
Gm02	11111166	11111404	Gmdrm	hypo	CHG	-0.3923
Gm02	11112141	11112233	Gmdrm	hypo	CHG	-0.4557
Gm02	11115884	11116057	Gmdrm	hypo	CHG	-0.042

Gm02	11125755	11125878	Gmdrm	hypo	CHG	-0.16
Gm02	11137518	11137684	Gmdrm	hypo	CHG	-0.8364
Gm02	11147163	11147381	Gmdrm	hypo	CHG	-0.2178
Gm02	11151574	11151740	Gmdrm	hypo	CHG	-0.358
Gm02	11163973	11164225	Gmdrm	hypo	CHG	-0.2194
Gm02	11164519	11164643	Gmdrm	hypo	CHG	-0.2562
Gm02	11180293	11180468	Gmdrm	hypo	CHG	-0.3914
Gm02	11180990	11181081	Gmdrm	hypo	CHG	-0.2033
Gm02	11203172	11203641	Gmdrm	hypo	CHG	-0.4525
Gm02	11204776	11204824	Gmdrm	hypo	CHG	-0.4733
Gm02	11251336	11252161	Gmdrm	hypo	CHG	-0.0726
Gm02	11261197	11261313	Gmdrm	hypo	CHG	-0.094
Gm02	11271381	11271472	Gmdrm	hypo	CHG	-0.03
Gm02	11280054	11280294	Gmdrm	hypo	CHG	-0.2165
Gm02	11296950	11297166	Gmdrm	hypo	CHG	-0.0266
Gm02	11305875	11306011	Gmdrm	hypo	CHG	-0.4918
Gm02	11313405	11313614	Gmdrm	hypo	CHG	-0.112
Gm02	11320085	11320329	Gmdrm	hypo	CHG	-0.0293
Gm02	11325326	11325515	Gmdrm	hypo	CHG	-0.813
Gm02	11336423	11336703	Gmdrm	hypo	CHG	-0.71
Gm02	11336813	11336947	Gmdrm	hypo	CHG	-0.863
Gm02	11341658	11341786	Gmdrm	hypo	CHG	-0.1473
Gm02	11342059	11342133	Gmdrm	hypo	CHG	-0.465
Gm02	11351377	11351575	Gmdrm	hypo	CHG	-0.4742
Gm02	11351934	11352117	Gmdrm	hypo	CHG	-0.43
Gm02	11355646	11355865	Gmdrm	hypo	CHG	-0.165
Gm02	11360563	11360699	Gmdrm	hypo	CHG	-0.0433
Gm02	11361113	11361220	Gmdrm	hypo	CHG	-0.5217
Gm02	11373908	11374055	Gmdrm	hypo	CHG	-0.7956
Gm02	11386423	11386497	Gmdrm	hypo	CHG	-0.425
Gm02	11386946	11387361	Gmdrm	hypo	CHG	-0.4862
Gm02	11402061	11402378	Gmdrm	hypo	CHG	-0.638
Gm02	11404188	11404438	Gmdrm	hypo	CHG	-0.5531
Gm02	11405960	11406038	Gmdrm	hypo	CHG	-0.6516
Gm02	11406149	11406827	Gmdrm	hypo	CHG	-0.4775
Gm02	11424600	11424722	Gmdrm	hypo	CHG	-0.1307
Gm02	11432334	11432475	Gmdrm	hypo	CHG	-0.084
Gm02	11443061	11443314	Gmdrm	hypo	CHG	-0.1226
Gm02	11443466	11443536	Gmdrm	hypo	CHG	-0.33
Gm02	11458073	11458341	Gmdrm	hypo	CHG	-0.8139
Gm02	11458971	11459091	Gmdrm	hypo	CHG	-0.8322
Gm02	11459376	11459415	Gmdrm	hypo	CHG	-0.9343
Gm02	11466446	11466870	Gmdrm	hypo	CHG	-0.2181
Gm02	11467171	11467341	Gmdrm	hypo	CHG	-0.0386
Gm02	11472337	11472660	Gmdrm	hypo	CHG	-0.6482
Gm02	11479129	11479296	Gmdrm	hypo	CHG	-0.8027

Gm02	11480056	11480088 Gmdrm	hypo	CHG	-0.4833
Gm02	11480332	11480450 Gmdrm	hypo	CHG	-0.518
Gm02	11480564	11481010 Gmdrm	hypo	CHG	-0.3218
Gm02	11482390	11482634 Gmdrm	hypo	CHG	-0.5346
Gm02	11483081	11483222 Gmdrm	hypo	CHG	-0.53
Gm02	11490285	11490399 Gmdrm	hypo	CHG	-0.7837
Gm02	11490789	11491053 Gmdrm	hypo	CHG	-0.592
Gm02	11491545	11491894 Gmdrm	hypo	CHG	-0.2846
Gm02	11493880	11494053 Gmdrm	hypo	CHG	-0.115
Gm02	11501223	11501505 Gmdrm	hypo	CHG	-0.4118
Gm02	11503989	11504187 Gmdrm	hypo	CHG	-0.5455
Gm02	11504962	11505185 Gmdrm	hypo	CHG	-0.75
Gm02	11509978	11510193 Gmdrm	hypo	CHG	-0.5311
Gm02	11511019	11511134 Gmdrm	hypo	CHG	-0.77
Gm02	11513965	11514159 Gmdrm	hypo	CHG	-0.5911
Gm02	11531318	11531463 Gmdrm	hypo	CHG	-0.5034
Gm02	11531818	11531972 Gmdrm	hypo	CHG	-0.87
Gm02	11548394	11548578 Gmdrm	hypo	CHG	-0.6275
Gm02	11550095	11550229 Gmdrm	hypo	CHG	-0.6625
Gm02	11551729	11552232 Gmdrm	hypo	CHG	-0.3646
Gm02	11558027	11558240 Gmdrm	hypo	CHG	-0.07
Gm02	11558348	11558614 Gmdrm	hypo	CHG	-0.7178
Gm02	11558893	11559046 Gmdrm	hypo	CHG	-0.8473
Gm02	11563186	11563358 Gmdrm	hypo	CHG	-0.624
Gm02	11574382	11574473 Gmdrm	hypo	CHG	-0.4617
Gm02	11588818	11588968 Gmdrm	hypo	CHG	-0.3
Gm02	11593318	11593441 Gmdrm	hypo	CHG	-0.0387
Gm02	11596892	11597008 Gmdrm	hypo	CHG	-0.2833
Gm02	11597136	11597243 Gmdrm	hypo	CHG	-0.566
Gm02	11597588	11597847 Gmdrm	hypo	CHG	-0.5924
Gm02	11600137	11600518 Gmdrm	hypo	CHG	-0.3141
Gm02	11600862	11600921 Gmdrm	hypo	CHG	-0.2085
Gm02	11601441	11601842 Gmdrm	hypo	CHG	-0.3807
Gm02	11601947	11602247 Gmdrm	hypo	CHG	-0.5655
Gm02	11604556	11604634 Gmdrm	hypo	CHG	-0.602
Gm02	11604736	11604833 Gmdrm	hypo	CHG	-0.654
Gm02	11645385	11645559 Gmdrm	hypo	CHG	-0.07
Gm02	11652074	11652158 Gmdrm	hypo	CHG	-0.5417
Gm02	11702569	11702831 Gmdrm	hypo	CHG	-0.0437
Gm02	11709684	11709841 Gmdrm	hypo	CHG	-0.045
Gm02	11719023	11719266 Gmdrm	hypo	CHG	-0.7463
Gm02	11719460	11719638 Gmdrm	hypo	CHG	-0.5222
Gm02	11719754	11719806 Gmdrm	hypo	CHG	-0.3525
Gm02	11720575	11720775 Gmdrm	hypo	CHG	-0.35
Gm02	11721707	11721739 Gmdrm	hypo	CHG	-0.816
Gm02	11744755	11744829 Gmdrm	hypo	CHG	-0.052

Gm02	11765441	11765575	Gmdrm	hypo	CHG	-0.245
Gm02	11770137	11770258	Gmdrm	hypo	CHG	-0.5089
Gm02	11770425	11770473	Gmdrm	hypo	CHG	-0.6971
Gm02	11777165	11777643	Gmdrm	hypo	CHG	-0.2623
Gm02	11780961	11781149	Gmdrm	hypo	CHG	-0.4278
Gm02	11788777	11789136	Gmdrm	hypo	CHG	-0.2031
Gm02	11792571	11793003	Gmdrm	hypo	CHG	-0.237
Gm02	11801448	11801550	Gmdrm	hypo	CHG	-0.1928
Gm02	11832490	11832688	Gmdrm	hypo	CHG	-0.3655
Gm02	11838049	11838213	Gmdrm	hypo	CHG	-0.672
Gm02	11839950	11840142	Gmdrm	hypo	CHG	-0.052
Gm02	11847665	11847856	Gmdrm	hypo	CHG	-0.055
Gm02	11848117	11848314	Gmdrm	hypo	CHG	-0.5384
Gm02	11851028	11851237	Gmdrm	hypo	CHG	-0.285
Gm02	11865039	11865218	Gmdrm	hypo	CHG	-0.0283
Gm02	11876513	11876647	Gmdrm	hypo	CHG	-0.072
Gm02	11883486	11883808	Gmdrm	hypo	CHG	-0.292
Gm02	11884027	11884203	Gmdrm	hypo	CHG	-0.2045
Gm02	11886361	11886467	Gmdrm	hypo	CHG	-0.6284
Gm02	11886618	11886662	Gmdrm	hypo	CHG	-0.146
Gm02	11890598	11890768	Gmdrm	hypo	CHG	-0.696
Gm02	11891156	11891408	Gmdrm	hypo	CHG	-0.3578
Gm02	11891511	11891581	Gmdrm	hypo	CHG	-0.4585
Gm02	11891972	11892100	Gmdrm	hypo	CHG	-0.424
Gm02	11892432	11892514	Gmdrm	hypo	CHG	-0.8667
Gm02	11907340	11907471	Gmdrm	hypo	CHG	-0.622
Gm02	11908323	11908498	Gmdrm	hypo	CHG	-0.6034
Gm02	11913619	11913717	Gmdrm	hypo	CHG	-0.3051
Gm02	11914413	11914619	Gmdrm	hypo	CHG	-0.4915
Gm02	11925996	11926142	Gmdrm	hypo	CHG	-0.2145
Gm02	11926348	11926632	Gmdrm	hypo	CHG	-0.1429
Gm02	11927066	11927126	Gmdrm	hypo	CHG	-0.062
Gm02	11928346	11929114	Gmdrm	hypo	CHG	-0.2662
Gm02	11931351	11931583	Gmdrm	hypo	CHG	-0.1045
Gm02	11949628	11949803	Gmdrm	hypo	CHG	-0.4239
Gm02	11950372	11950616	Gmdrm	hypo	CHG	-0.6869
Gm02	11950967	11951115	Gmdrm	hypo	CHG	-0.8386
Gm02	11951419	11951545	Gmdrm	hypo	CHG	-0.3837
Gm02	11954426	11954612	Gmdrm	hypo	CHG	-0.6162
Gm02	11954816	11955057	Gmdrm	hypo	CHG	-0.0329
Gm02	11971223	11971535	Gmdrm	hypo	CHG	-0.1583
Gm02	11972237	11972398	Gmdrm	hypo	CHG	-0.735
Gm02	11975130	11975375	Gmdrm	hypo	CHG	-0.4234
Gm02	11979227	11979522	Gmdrm	hypo	CHG	-0.107
Gm02	11982923	11983043	Gmdrm	hypo	CHG	-0.5684
Gm02	12006509	12006653	Gmdrm	hypo	CHG	-0.214

Gm02	12011629	12011822	Gmdrm	hypo	CHG	-0.2337
Gm02	12033662	12033796	Gmdrm	hypo	CHG	-0.8327
Gm02	12033904	12033942	Gmdrm	hypo	CHG	-0.8388
Gm02	12034326	12034411	Gmdrm	hypo	CHG	-0.79
Gm02	12034644	12035313	Gmdrm	hypo	CHG	-0.3
Gm02	12035730	12035904	Gmdrm	hypo	CHG	-0.522
Gm02	12039317	12039417	Gmdrm	hypo	CHG	-0.5216
Gm02	12041481	12041548	Gmdrm	hypo	CHG	-0.07
Gm02	12043396	12043532	Gmdrm	hypo	CHG	-0.5383
Gm02	12043698	12043934	Gmdrm	hypo	CHG	-0.2815
Gm02	12044596	12044723	Gmdrm	hypo	CHG	-0.5315
Gm02	12073052	12073186	Gmdrm	hypo	CHG	-0.0517
Gm02	12073557	12073832	Gmdrm	hypo	CHG	-0.5042
Gm02	12074031	12074217	Gmdrm	hypo	CHG	-0.5437
Gm02	12074333	12074388	Gmdrm	hypo	CHG	-0.4213
Gm02	12074499	12074529	Gmdrm	hypo	CHG	-0.52
Gm02	12076806	12076850	Gmdrm	hypo	CHG	-0.2834
Gm02	12082259	12082388	Gmdrm	hypo	CHG	-0.7017
Gm02	12082504	12082662	Gmdrm	hypo	CHG	-0.7521
Gm02	12084685	12084932	Gmdrm	hypo	CHG	-0.7429
Gm02	12091572	12091801	Gmdrm	hypo	CHG	-0.6106
Gm02	12102735	12102912	Gmdrm	hypo	CHG	-0.0614
Gm02	12107934	12108362	Gmdrm	hypo	CHG	-0.3278
Gm02	12111006	12111249	Gmdrm	hypo	CHG	-0.3722
Gm02	12139965	12140106	Gmdrm	hypo	CHG	-0.5055
Gm02	12162522	12162690	Gmdrm	hypo	CHG	-0.482
Gm02	12170661	12170821	Gmdrm	hypo	CHG	-0.04
Gm02	12171444	12171971	Gmdrm	hypo	CHG	-0.4525
Gm02	12176161	12176305	Gmdrm	hypo	CHG	-0.538
Gm02	12182332	12182560	Gmdrm	hypo	CHG	-0.37
Gm02	12190088	12190181	Gmdrm	hypo	CHG	-0.817
Gm02	12190342	12190559	Gmdrm	hypo	CHG	-0.6221
Gm02	12194408	12194648	Gmdrm	hypo	CHG	-0.6164
Gm02	12196460	12196788	Gmdrm	hypo	CHG	-0.036
Gm02	12199473	12199527	Gmdrm	hypo	CHG	-0.6166
Gm02	12199663	12199756	Gmdrm	hypo	CHG	-0.8357
Gm02	12200350	12200520	Gmdrm	hypo	CHG	-0.7955
Gm02	12215840	12215943	Gmdrm	hypo	CHG	-0.908
Gm02	12244939	12244997	Gmdrm	hypo	CHG	-0.5057
Gm02	12248696	12249102	Gmdrm	hypo	CHG	-0.0578
Gm02	12257270	12257303	Gmdrm	hypo	CHG	-0.556
Gm02	12257715	12257809	Gmdrm	hypo	CHG	-0.312
Gm02	12265863	12266222	Gmdrm	hypo	CHG	-0.3259
Gm02	12282389	12282468	Gmdrm	hypo	CHG	-0.53
Gm02	12311770	12311853	Gmdrm	hypo	CHG	-0.758
Gm02	12325001	12325057	Gmdrm	hypo	CHG	-0.656

Gm02	12325928	12326791	Gmdrm	hypo	CHG	-0.175
Gm02	12327521	12327891	Gmdrm	hypo	CHG	-0.2082
Gm02	12328084	12328203	Gmdrm	hypo	CHG	-0.5072
Gm02	12333744	12333775	Gmdrm	hypo	CHG	-0.474
Gm02	12333888	12334201	Gmdrm	hypo	CHG	-0.2678
Gm02	12339831	12340201	Gmdrm	hypo	CHG	-0.2009
Gm02	12357405	12357495	Gmdrm	hypo	CHG	-0.554
Gm02	12357659	12357769	Gmdrm	hypo	CHG	-0.17
Gm02	12367943	12368003	Gmdrm	hypo	CHG	-0.1412
Gm02	12377225	12377394	Gmdrm	hypo	CHG	-0.529
Gm02	12377540	12377674	Gmdrm	hypo	CHG	-0.6816
Gm02	12377856	12377964	Gmdrm	hypo	CHG	-0.516
Gm02	12381007	12381377	Gmdrm	hypo	CHG	-0.2469
Gm02	12381905	12382128	Gmdrm	hypo	CHG	-0.5387
Gm02	12382246	12382465	Gmdrm	hypo	CHG	-0.4332
Gm02	12384974	12385144	Gmdrm	hypo	CHG	-0.5725
Gm02	12397400	12398053	Gmdrm	hypo	CHG	-0.2489
Gm02	12405168	12405298	Gmdrm	hypo	CHG	-0.51
Gm02	12429919	12430004	Gmdrm	hypo	CHG	-0.3038
Gm02	12430191	12430235	Gmdrm	hypo	CHG	-0.314
Gm02	12430337	12430509	Gmdrm	hypo	CHG	-0.3051
Gm02	12432212	12432376	Gmdrm	hypo	CHG	-0.81
Gm02	12439045	12439226	Gmdrm	hypo	CHG	-0.7044
Gm02	12443617	12443774	Gmdrm	hypo	CHG	-0.7845
Gm02	12446412	12446561	Gmdrm	hypo	CHG	-0.7288
Gm02	12446910	12447064	Gmdrm	hypo	CHG	-0.175
Gm02	12447246	12447322	Gmdrm	hypo	CHG	-0.726
Gm02	12467641	12467914	Gmdrm	hypo	CHG	-0.5666
Gm02	12470848	12471046	Gmdrm	hypo	CHG	-0.2675
Gm02	12474901	12474996	Gmdrm	hypo	CHG	-0.5
Gm02	12481922	12482065	Gmdrm	hypo	CHG	-0.034
Gm02	12493413	12493636	Gmdrm	hypo	CHG	-0.0617
Gm02	12517587	12517661	Gmdrm	hypo	CHG	-0.3157
Gm02	12517766	12517873	Gmdrm	hypo	CHG	-0.3154
Gm02	12529104	12529374	Gmdrm	hypo	CHG	-0.2018
Gm02	12529629	12529784	Gmdrm	hypo	CHG	-0.4865
Gm02	12573599	12573684	Gmdrm	hypo	CHG	-0.0986
Gm02	12574830	12575002	Gmdrm	hypo	CHG	-0.056
Gm02	12580166	12581135	Gmdrm	hypo	CHG	-0.2868
Gm02	12581202	12581376	Gmdrm	hypo	CHG	-0.4863
Gm02	12581478	12581775	Gmdrm	hypo	CHG	-0.4218
Gm02	12581899	12582314	Gmdrm	hypo	CHG	-0.3974
Gm02	12585915	12586330	Gmdrm	hypo	CHG	-0.258
Gm02	12646410	12647178	Gmdrm	hypo	CHG	-0.3933
Gm02	12648834	12649007	Gmdrm	hypo	CHG	-0.4362
Gm02	12649593	12650140	Gmdrm	hypo	CHG	-0.3477

Gm02	12652373	12652710	Gmdrm	hypo	CHG	-0.2042
Gm02	12652869	12653139	Gmdrm	hypo	CHG	-0.2528
Gm02	12656415	12656452	Gmdrm	hypo	CHG	-0.5767
Gm02	12657800	12657883	Gmdrm	hypo	CHG	-0.118
Gm02	12657984	12658585	Gmdrm	hypo	CHG	-0.1411
Gm02	12659185	12659659	Gmdrm	hypo	CHG	-0.29
Gm02	12659760	12659920	Gmdrm	hypo	CHG	-0.2682
Gm02	12660240	12660458	Gmdrm	hypo	CHG	-0.3658
Gm02	12660565	12660807	Gmdrm	hypo	CHG	-0.4514
Gm02	12661167	12661589	Gmdrm	hypo	CHG	-0.375
Gm02	12661778	12661927	Gmdrm	hypo	CHG	-0.364
Gm02	12662219	12662305	Gmdrm	hypo	CHG	-0.2143
Gm02	12662758	12663356	Gmdrm	hypo	CHG	-0.0723
Gm02	12664168	12664186	Gmdrm	hypo	CHG	-0.31
Gm02	12673757	12673889	Gmdrm	hypo	CHG	-0.22
Gm02	12678127	12679053	Gmdrm	hypo	CHG	-0.1424
Gm02	12681550	12682163	Gmdrm	hypo	CHG	-0.1446
Gm02	12683702	12684007	Gmdrm	hypo	CHG	-0.1588
Gm02	12684218	12684396	Gmdrm	hypo	CHG	-0.5676
Gm02	12685974	12686507	Gmdrm	hypo	CHG	-0.2231
Gm02	12700110	12700254	Gmdrm	hypo	CHG	-0.6363
Gm02	12702318	12702490	Gmdrm	hypo	CHG	-0.1828
Gm02	12704387	12704594	Gmdrm	hypo	CHG	-0.04
Gm02	12705240	12705502	Gmdrm	hypo	CHG	-0.213
Gm02	12713561	12713699	Gmdrm	hypo	CHG	-0.0467
Gm02	12718005	12718214	Gmdrm	hypo	CHG	-0.7692
Gm02	12720794	12721173	Gmdrm	hypo	CHG	-0.7584
Gm02	12725469	12725673	Gmdrm	hypo	CHG	-0.645
Gm02	12727599	12727786	Gmdrm	hypo	CHG	-0.3912
Gm02	12727993	12728168	Gmdrm	hypo	CHG	-0.3758
Gm02	12729487	12729640	Gmdrm	hypo	CHG	-0.5893
Gm02	12737716	12737923	Gmdrm	hypo	CHG	-0.4273
Gm02	12738223	12738517	Gmdrm	hypo	CHG	-0.0657
Gm02	12747824	12747934	Gmdrm	hypo	CHG	-0.5522
Gm02	12761258	12761437	Gmdrm	hypo	CHG	-0.2814
Gm02	12761726	12761854	Gmdrm	hypo	CHG	-0.3324
Gm02	12774518	12774633	Gmdrm	hypo	CHG	-0.3383
Gm02	12776277	12776497	Gmdrm	hypo	CHG	-0.6454
Gm02	12776888	12777244	Gmdrm	hypo	CHG	-0.5769
Gm02	12782151	12782322	Gmdrm	hypo	CHG	-0.5415
Gm02	12790907	12791073	Gmdrm	hypo	CHG	-0.5367
Gm02	12791205	12791813	Gmdrm	hypo	CHG	-0.7725
Gm02	12816977	12817334	Gmdrm	hypo	CHG	-0.4531
Gm02	12836920	12837057	Gmdrm	hypo	CHG	-0.365
Gm02	12838332	12838434	Gmdrm	hypo	CHG	-0.03
Gm02	12839698	12839713	Gmdrm	hypo	CHG	-0.1334

Gm02	12843279	12843380	Gmdrm	hypo	CHG	-0.4572
Gm02	12851138	12851267	Gmdrm	hypo	CHG	-0.4237
Gm02	12867270	12867352	Gmdrm	hypo	CHG	-0.064
Gm02	12893680	12893934	Gmdrm	hypo	CHG	-0.06
Gm02	12895336	12896173	Gmdrm	hypo	CHG	-0.3481
Gm02	12896640	12896777	Gmdrm	hypo	CHG	-0.68
Gm02	12898098	12898561	Gmdrm	hypo	CHG	-0.0767
Gm02	12912470	12912907	Gmdrm	hypo	CHG	-0.7962
Gm02	12919129	12919362	Gmdrm	hypo	CHG	-0.2449
Gm02	12927726	12928360	Gmdrm	hypo	CHG	-0.2219
Gm02	12931121	12931214	Gmdrm	hypo	CHG	-0.641
Gm02	12939176	12939453	Gmdrm	hypo	CHG	-0.0575
Gm02	12966962	12967242	Gmdrm	hypo	CHG	-0.1967
Gm02	12972881	12973093	Gmdrm	hypo	CHG	-0.33
Gm02	12975876	12976102	Gmdrm	hypo	CHG	-0.2541
Gm02	12991446	12991744	Gmdrm	hypo	CHG	-0.0414
Gm02	13002290	13002363	Gmdrm	hypo	CHG	-0.5133
Gm02	13018813	13018882	Gmdrm	hypo	CHG	-0.7637
Gm02	13023589	13023802	Gmdrm	hypo	CHG	-0.0434
Gm02	13023911	13024012	Gmdrm	hypo	CHG	-0.3517
Gm02	13027847	13027997	Gmdrm	hypo	CHG	-0.4275
Gm02	13028106	13028207	Gmdrm	hypo	CHG	-0.5267
Gm02	13040089	13040220	Gmdrm	hypo	CHG	-0.09
Gm02	13046902	13047045	Gmdrm	hypo	CHG	-0.05
Gm02	13050177	13050288	Gmdrm	hypo	CHG	-0.424
Gm02	13057216	13057246	Gmdrm	hypo	CHG	-0.7666
Gm02	13057596	13057715	Gmdrm	hypo	CHG	-0.745
Gm02	13058373	13058466	Gmdrm	hypo	CHG	-0.6183
Gm02	13058601	13058755	Gmdrm	hypo	CHG	-0.37
Gm02	13071025	13071270	Gmdrm	hypo	CHG	-0.58
Gm02	13080760	13080880	Gmdrm	hypo	CHG	-0.212
Gm02	13081020	13081208	Gmdrm	hypo	CHG	-0.5725
Gm02	13081403	13081501	Gmdrm	hypo	CHG	-0.6366
Gm02	13081855	13082065	Gmdrm	hypo	CHG	-0.5425
Gm02	13087117	13087453	Gmdrm	hypo	CHG	-0.2133
Gm02	13087575	13087742	Gmdrm	hypo	CHG	-0.6054
Gm02	13087843	13088037	Gmdrm	hypo	CHG	-0.5764
Gm02	13090001	13090260	Gmdrm	hypo	CHG	-0.2918
Gm02	13096857	13096892	Gmdrm	hypo	CHG	-0.606
Gm02	13114662	13114721	Gmdrm	hypo	CHG	-0.2958
Gm02	13115652	13115734	Gmdrm	hypo	CHG	-0.5283
Gm02	13116843	13117149	Gmdrm	hypo	CHG	-0.566
Gm02	13120755	13121235	Gmdrm	hypo	CHG	-0.5548
Gm02	13121603	13121822	Gmdrm	hypo	CHG	-0.4978
Gm02	13136929	13136977	Gmdrm	hypo	CHG	-0.2217
Gm02	13137099	13137148	Gmdrm	hypo	CHG	-0.6057

Gm02	13149698	13149942	Gmdrm	hypo	CHG	-0.3567
Gm02	13152157	13152492	Gmdrm	hypo	CHG	-0.7921
Gm02	13155463	13155551	Gmdrm	hypo	CHG	-0.27
Gm02	13155672	13155818	Gmdrm	hypo	CHG	-0.662
Gm02	13155975	13156217	Gmdrm	hypo	CHG	-0.1045
Gm02	13156413	13156591	Gmdrm	hypo	CHG	-0.0372
Gm02	13157430	13157582	Gmdrm	hypo	CHG	-0.382
Gm02	13170917	13171092	Gmdrm	hypo	CHG	-0.1918
Gm02	13176255	13176432	Gmdrm	hypo	CHG	-0.405
Gm02	13196120	13196681	Gmdrm	hypo	CHG	-0.2407
Gm02	13467099	13467357	Gmdrm	hypo	CHG	-0.28
Gm02	13497149	13497322	Gmdrm	hypo	CHG	-0.5347
Gm02	13524262	13524410	Gmdrm	hypo	CHG	-0.5363
Gm02	13524749	13524849	Gmdrm	hypo	CHG	-0.6028
Gm02	13525636	13525851	Gmdrm	hypo	CHG	-0.6046
Gm02	13541727	13541772	Gmdrm	hypo	CHG	-0.605
Gm02	13542276	13542610	Gmdrm	hypo	CHG	-0.194
Gm02	13556558	13556658	Gmdrm	hypo	CHG	-0.5489
Gm02	13557487	13557698	Gmdrm	hypo	CHG	-0.4093
Gm02	13584828	13584981	Gmdrm	hypo	CHG	-0.3449
Gm02	13585454	13585711	Gmdrm	hypo	CHG	-0.2821
Gm02	13586813	13587069	Gmdrm	hypo	CHG	-0.4508
Gm02	13587408	13587508	Gmdrm	hypo	CHG	-0.4257
Gm02	13588235	13588447	Gmdrm	hypo	CHG	-0.4187
Gm02	13617976	13618124	Gmdrm	hypo	CHG	-0.5062
Gm02	13618424	13618522	Gmdrm	hypo	CHG	-0.632
Gm02	13619351	13619566	Gmdrm	hypo	CHG	-0.4955
Gm02	13647930	13648171	Gmdrm	hypo	CHG	-0.295
Gm02	13649825	13650599	Gmdrm	hypo	CHG	-0.3148
Gm02	13664080	13664109	Gmdrm	hypo	CHG	-0.6
Gm02	13665161	13665269	Gmdrm	hypo	CHG	-0.4143
Gm02	13956210	13956413	Gmdrm	hypo	CHG	-0.23
Gm02	13957709	13957824	Gmdrm	hypo	CHG	-0.412
Gm02	13958816	13959020	Gmdrm	hypo	CHG	-0.285
Gm02	13959126	13959248	Gmdrm	hypo	CHG	-0.4846
Gm02	13960053	13960158	Gmdrm	hypo	CHG	-0.54
Gm02	13960578	13960711	Gmdrm	hypo	CHG	-0.3901
Gm02	13961243	13961359	Gmdrm	hypo	CHG	-0.4275
Gm02	13964844	13965075	Gmdrm	hypo	CHG	-0.4428
Gm02	13965286	13965640	Gmdrm	hypo	CHG	-0.575
Gm02	14000875	14000990	Gmdrm	hypo	CHG	-0.4554
Gm02	14002302	14002385	Gmdrm	hypo	CHG	-0.4138
Gm02	14009515	14009615	Gmdrm	hypo	CHG	-0.03
Gm02	14028088	14028130	Gmdrm	hypo	CHG	-0.694
Gm02	14028282	14028379	Gmdrm	hypo	CHG	-0.0786
Gm02	14050514	14050946	Gmdrm	hypo	CHG	-0.1155

Gm02	14052455	14052665	Gmdrm	hypo	CHG	-0.1641
Gm02	14053113	14053240	Gmdrm	hypo	CHG	-0.032
Gm02	14057339	14057441	Gmdrm	hypo	CHG	-0.4
Gm02	14066913	14067094	Gmdrm	hypo	CHG	-0.7729
Gm02	14067197	14067299	Gmdrm	hypo	CHG	-0.534
Gm02	14069607	14069836	Gmdrm	hypo	CHG	-0.9038
Gm02	14081243	14081311	Gmdrm	hypo	CHG	-0.5667
Gm02	14097308	14097443	Gmdrm	hypo	CHG	-0.135
Gm02	14099944	14100300	Gmdrm	hypo	CHG	-0.422
Gm02	14110338	14110688	Gmdrm	hypo	CHG	-0.6926
Gm02	14112134	14112202	Gmdrm	hypo	CHG	-0.6878
Gm02	14113001	14113082	Gmdrm	hypo	CHG	-0.4033
Gm02	14119246	14119863	Gmdrm	hypo	CHG	-0.1868
Gm02	14122178	14122594	Gmdrm	hypo	CHG	-0.0553
Gm02	14146507	14146763	Gmdrm	hypo	CHG	-0.2267
Gm02	14146947	14146981	Gmdrm	hypo	CHG	-0.6283
Gm02	14157254	14157530	Gmdrm	hypo	CHG	-0.0475
Gm02	14161854	14162179	Gmdrm	hypo	CHG	-0.8331
Gm02	14162801	14162887	Gmdrm	hypo	CHG	-0.37
Gm02	14163666	14163830	Gmdrm	hypo	CHG	-0.9459
Gm02	14163951	14164085	Gmdrm	hypo	CHG	-0.4775
Gm02	14164242	14164322	Gmdrm	hypo	CHG	-0.516
Gm02	14169111	14169484	Gmdrm	hypo	CHG	-0.3311
Gm02	14170091	14170291	Gmdrm	hypo	CHG	-0.4187
Gm02	14170807	14170917	Gmdrm	hypo	CHG	-0.2533
Gm02	14173723	14173819	Gmdrm	hypo	CHG	-0.476
Gm02	14176520	14176703	Gmdrm	hypo	CHG	-0.3822
Gm02	14176815	14176931	Gmdrm	hypo	CHG	-0.465
Gm02	14187597	14188150	Gmdrm	hypo	CHG	-0.6528
Gm02	14188878	14189210	Gmdrm	hypo	CHG	-0.2082
Gm02	14189426	14189631	Gmdrm	hypo	CHG	-0.5824
Gm02	14203026	14203112	Gmdrm	hypo	CHG	-0.06
Gm02	14219850	14219951	Gmdrm	hypo	CHG	-0.0417
Gm02	14232759	14233033	Gmdrm	hypo	CHG	-0.3614
Gm02	14233674	14233965	Gmdrm	hypo	CHG	-0.3378
Gm02	14234102	14234367	Gmdrm	hypo	CHG	-0.314
Gm02	14234881	14235597	Gmdrm	hypo	CHG	-0.2007
Gm02	14236325	14236705	Gmdrm	hypo	CHG	-0.2448
Gm02	14237559	14237587	Gmdrm	hypo	CHG	-0.3683
Gm02	14238415	14238644	Gmdrm	hypo	CHG	-0.5134
Gm02	14245321	14245638	Gmdrm	hypo	CHG	-0.0418
Gm02	14251873	14251912	Gmdrm	hypo	CHG	-0.066
Gm02	14268191	14268507	Gmdrm	hypo	CHG	-0.8538
Gm02	14269170	14269494	Gmdrm	hypo	CHG	-0.7158
Gm02	14277000	14277363	Gmdrm	hypo	CHG	-0.5547
Gm02	14280846	14281047	Gmdrm	hypo	CHG	-0.0357

Gm02	14296693	14297148	Gmdrm	hypo	CHG	-0.6526
Gm02	14299531	14299656	Gmdrm	hypo	CHG	-0.3657
Gm02	14314568	14314836	Gmdrm	hypo	CHG	-0.9029
Gm02	14314971	14315110	Gmdrm	hypo	CHG	-0.7962
Gm02	14376040	14376287	Gmdrm	hypo	CHG	-0.4375
Gm02	14401707	14401756	Gmdrm	hypo	CHG	-0.0567
Gm02	14402127	14402181	Gmdrm	hypo	CHG	-0.9345
Gm02	14402419	14402520	Gmdrm	hypo	CHG	-0.8712
Gm02	14426243	14426347	Gmdrm	hypo	CHG	-0.55
Gm02	14467236	14467309	Gmdrm	hypo	CHG	-0.036
Gm02	14473091	14473322	Gmdrm	hypo	CHG	-0.08
Gm02	14474111	14474343	Gmdrm	hypo	CHG	-0.1033
Gm02	14474904	14474990	Gmdrm	hypo	CHG	-0.046
Gm02	14494596	14494649	Gmdrm	hypo	CHG	-0.445
Gm02	14506187	14506309	Gmdrm	hypo	CHG	-0.4016
Gm02	14506558	14506650	Gmdrm	hypo	CHG	-0.4117
Gm02	14509081	14509302	Gmdrm	hypo	CHG	-0.032
Gm02	14513608	14513958	Gmdrm	hypo	CHG	-0.153
Gm02	14542292	14542825	Gmdrm	hypo	CHG	-0.3588
Gm02	14544107	14544666	Gmdrm	hypo	CHG	-0.8165
Gm02	14560267	14560678	Gmdrm	hypo	CHG	-0.475
Gm02	14560783	14561057	Gmdrm	hypo	CHG	-0.4815
Gm02	14571083	14571281	Gmdrm	hypo	CHG	-0.0329
Gm02	14589416	14589659	Gmdrm	hypo	CHG	-0.4162
Gm02	14596894	14597106	Gmdrm	hypo	CHG	-0.2757
Gm02	14599610	14599783	Gmdrm	hypo	CHG	-0.0367
Gm02	14606262	14606330	Gmdrm	hypo	CHG	-0.062
Gm02	14607630	14608223	Gmdrm	hypo	CHG	-0.059
Gm02	14608398	14609395	Gmdrm	hypo	CHG	-0.1361
Gm02	14612251	14612591	Gmdrm	hypo	CHG	-0.3055
Gm02	14612716	14612877	Gmdrm	hypo	CHG	-0.2971
Gm02	14622712	14622846	Gmdrm	hypo	CHG	-0.6333
Gm02	14648365	14648390	Gmdrm	hypo	CHG	-0.538
Gm02	14658378	14658494	Gmdrm	hypo	CHG	-0.0383
Gm02	14660249	14660532	Gmdrm	hypo	CHG	-0.0383
Gm02	14666345	14666508	Gmdrm	hypo	CHG	-0.3529
Gm02	14669592	14670031	Gmdrm	hypo	CHG	-0.1176
Gm02	14673140	14674109	Gmdrm	hypo	CHG	-0.2647
Gm02	14674143	14675125	Gmdrm	hypo	CHG	-0.2382
Gm02	14675163	14675846	Gmdrm	hypo	CHG	-0.1143
Gm02	14677196	14677341	Gmdrm	hypo	CHG	-0.1291
Gm02	14678704	14678745	Gmdrm	hypo	CHG	-0.1288
Gm02	14678895	14679224	Gmdrm	hypo	CHG	-0.1091
Gm02	14679348	14679461	Gmdrm	hypo	CHG	-0.157
Gm02	14679583	14679895	Gmdrm	hypo	CHG	-0.156
Gm02	14680035	14681016	Gmdrm	hypo	CHG	-0.3511

Gm02	14681064	14681579	Gmdrm	hypo	CHG	-0.321
Gm02	14686912	14687153	Gmdrm	hypo	CHG	-0.0425
Gm02	14709783	14709823	Gmdrm	hypo	CHG	-0.166
Gm02	14713602	14713721	Gmdrm	hypo	CHG	-0.044
Gm02	14724963	14725033	Gmdrm	hypo	CHG	-0.1362
Gm02	14727032	14727124	Gmdrm	hypo	CHG	-0.14
Gm02	14735974	14735985	Gmdrm	hypo	CHG	-0.832
Gm02	14745658	14745744	Gmdrm	hypo	CHG	-0.4583
Gm02	14763664	14763775	Gmdrm	hypo	CHG	-0.0808
Gm02	14778182	14778967	Gmdrm	hypo	CHG	-0.104
Gm02	14783016	14783106	Gmdrm	hypo	CHG	-0.0544
Gm02	14786304	14786548	Gmdrm	hypo	CHG	-0.046
Gm02	14789512	14789589	Gmdrm	hypo	CHG	-0.05
Gm02	14792395	14792711	Gmdrm	hypo	CHG	-0.5284
Gm02	14801213	14801392	Gmdrm	hypo	CHG	-0.9045
Gm02	14801517	14801642	Gmdrm	hypo	CHG	-0.731
Gm02	14818295	14818933	Gmdrm	hypo	CHG	-0.2231
Gm02	14822579	14822779	Gmdrm	hypo	CHG	-0.7113
Gm02	14822883	14822965	Gmdrm	hypo	CHG	-0.82
Gm02	14823161	14823433	Gmdrm	hypo	CHG	-0.055
Gm02	14826052	14826144	Gmdrm	hypo	CHG	-0.1233
Gm02	14826508	14826632	Gmdrm	hypo	CHG	-0.3372
Gm02	14828015	14828193	Gmdrm	hypo	CHG	-0.2571
Gm02	14828380	14828705	Gmdrm	hypo	CHG	-0.2138
Gm02	14828846	14829012	Gmdrm	hypo	CHG	-0.4684
Gm02	14829326	14829368	Gmdrm	hypo	CHG	-0.0689
Gm02	14835749	14835858	Gmdrm	hypo	CHG	-0.51
Gm02	14845699	14845915	Gmdrm	hypo	CHG	-0.04
Gm02	14856399	14856476	Gmdrm	hypo	CHG	-0.7586
Gm02	14857044	14857110	Gmdrm	hypo	CHG	-0.5733
Gm02	14859503	14859656	Gmdrm	hypo	CHG	-0.2813
Gm02	14864248	14864276	Gmdrm	hypo	CHG	-0.4683
Gm02	14867686	14867827	Gmdrm	hypo	CHG	-0.1089
Gm02	14888960	14889129	Gmdrm	hypo	CHG	-0.038
Gm02	14894647	14894763	Gmdrm	hypo	CHG	-0.032
Gm02	14942046	14942226	Gmdrm	hypo	CHG	-0.2527
Gm02	14976404	14977096	Gmdrm	hypo	CHG	-0.6018
Gm02	14987819	14988294	Gmdrm	hypo	CHG	-0.178
Gm02	14988457	14988526	Gmdrm	hypo	CHG	-0.658
Gm02	15026693	15027265	Gmdrm	hypo	CHG	-0.4162
Gm02	15033965	15034087	Gmdrm	hypo	CHG	-0.044
Gm02	15058474	15058676	Gmdrm	hypo	CHG	-0.7317
Gm02	15093758	15094655	Gmdrm	hypo	CHG	-0.0207
Gm02	15116132	15116213	Gmdrm	hypo	CHG	-0.045
Gm02	15127770	15128164	Gmdrm	hypo	CHG	-0.6524
Gm02	15129185	15129544	Gmdrm	hypo	CHG	-0.4817

Gm02	15129784	15129961	Gmdrm	hypo	CHG	-0.8067
Gm02	15159797	15159889	Gmdrm	hypo	CHG	-0.045
Gm02	15188755	15189182	Gmdrm	hypo	CHG	-0.8425
Gm02	15189813	15189884	Gmdrm	hypo	CHG	-0.3017
Gm02	15230173	15230718	Gmdrm	hypo	CHG	-0.3486
Gm02	15279285	15279397	Gmdrm	hypo	CHG	-0.044
Gm02	15287208	15287322	Gmdrm	hypo	CHG	-0.335
Gm02	15289667	15289888	Gmdrm	hypo	CHG	-0.0622
Gm02	15295765	15295998	Gmdrm	hypo	CHG	-0.0778
Gm02	15313365	15313515	Gmdrm	hypo	CHG	-0.1027
Gm02	15335087	15335415	Gmdrm	hypo	CHG	-0.4072
Gm02	15360857	15360957	Gmdrm	hypo	CHG	-0.0475
Gm02	15376709	15376877	Gmdrm	hypo	CHG	-0.0788
Gm02	15383310	15383571	Gmdrm	hypo	CHG	-0.8553
Gm02	15399636	15399698	Gmdrm	hypo	CHG	-0.65
Gm02	15405060	15405114	Gmdrm	hypo	CHG	-0.6338
Gm02	15417617	15417652	Gmdrm	hypo	CHG	-0.1283
Gm02	15447647	15447752	Gmdrm	hypo	CHG	-0.034
Gm02	15451164	15451796	Gmdrm	hypo	CHG	-0.0335
Gm02	15475995	15476222	Gmdrm	hypo	CHG	-0.5494
Gm02	15476368	15476527	Gmdrm	hypo	CHG	-0.6634
Gm02	15478183	15478392	Gmdrm	hypo	CHG	-0.7629
Gm02	15478536	15478595	Gmdrm	hypo	CHG	-0.8917
Gm02	15530465	15530690	Gmdrm	hypo	CHG	-0.098
Gm02	15552529	15552624	Gmdrm	hypo	CHG	-0.042
Gm02	15555130	15555327	Gmdrm	hypo	CHG	-0.2078
Gm02	15555609	15555676	Gmdrm	hypo	CHG	-0.1867
Gm02	15560541	15560819	Gmdrm	hypo	CHG	-0.035
Gm02	15562415	15562541	Gmdrm	hypo	CHG	-0.0384
Gm02	15575756	15576009	Gmdrm	hypo	CHG	-0.5214
Gm02	15576195	15576280	Gmdrm	hypo	CHG	-0.74
Gm02	15576507	15576646	Gmdrm	hypo	CHG	-0.549
Gm02	15576759	15576994	Gmdrm	hypo	CHG	-0.4675
Gm02	15577206	15577346	Gmdrm	hypo	CHG	-0.4374
Gm02	15577569	15577594	Gmdrm	hypo	CHG	-0.4099
Gm02	15579442	15579709	Gmdrm	hypo	CHG	-0.76
Gm02	15596150	15596179	Gmdrm	hypo	CHG	-0.028
Gm02	15602273	15603022	Gmdrm	hypo	CHG	-0.4614
Gm02	15618617	15618719	Gmdrm	hypo	CHG	-0.7666
Gm02	15618830	15618951	Gmdrm	hypo	CHG	-0.3767
Gm02	15633949	15634428	Gmdrm	hypo	CHG	-0.0264
Gm02	15641863	15642052	Gmdrm	hypo	CHG	-0.0433
Gm02	15642985	15643121	Gmdrm	hypo	CHG	-0.82
Gm02	15649800	15649846	Gmdrm	hypo	CHG	-0.142
Gm02	15669359	15669517	Gmdrm	hypo	CHG	-0.355
Gm02	15670065	15670209	Gmdrm	hypo	CHG	-0.71

Gm02	15676251	15676705	Gmdrm	hypo	CHG	-0.13
Gm02	15680861	15681111	Gmdrm	hypo	CHG	-0.062
Gm02	15690785	15691250	Gmdrm	hypo	CHG	-0.1839
Gm02	15709066	15709236	Gmdrm	hypo	CHG	-0.2787
Gm02	15714268	15715175	Gmdrm	hypo	CHG	-0.3571
Gm02	15739064	15739171	Gmdrm	hypo	CHG	-0.0688
Gm02	15759216	15759379	Gmdrm	hypo	CHG	-0.05
Gm02	15788606	15789270	Gmdrm	hypo	CHG	-0.6312
Gm02	15794763	15794932	Gmdrm	hypo	CHG	-0.6212
Gm02	15799479	15799714	Gmdrm	hypo	CHG	-0.0477
Gm02	15810251	15810771	Gmdrm	hypo	CHG	-0.8356
Gm02	15810913	15811108	Gmdrm	hypo	CHG	-0.595
Gm02	15845317	15845348	Gmdrm	hypo	CHG	-0.27
Gm02	15858956	15859134	Gmdrm	hypo	CHG	-0.5165
Gm02	15864866	15865129	Gmdrm	hypo	CHG	-0.2194
Gm02	15870474	15871303	Gmdrm	hypo	CHG	-0.3858
Gm02	15890165	15890317	Gmdrm	hypo	CHG	-0.036
Gm02	15906808	15906945	Gmdrm	hypo	CHG	-0.0686
Gm02	15996687	15997077	Gmdrm	hypo	CHG	-0.5834
Gm02	16017300	16017361	Gmdrm	hypo	CHG	-0.6257
Gm02	16021954	16022310	Gmdrm	hypo	CHG	-0.3391
Gm02	16033298	16033432	Gmdrm	hypo	CHG	-0.8553
Gm02	16033576	16033672	Gmdrm	hypo	CHG	-0.038
Gm02	16034646	16034798	Gmdrm	hypo	CHG	-0.7086
Gm02	16034908	16035072	Gmdrm	hypo	CHG	-0.8038
Gm02	16035295	16035582	Gmdrm	hypo	CHG	-0.618
Gm02	16043927	16044137	Gmdrm	hypo	CHG	-0.0316
Gm02	16044998	16045213	Gmdrm	hypo	CHG	-0.0867
Gm02	16047799	16047850	Gmdrm	hypo	CHG	-0.8567
Gm02	16062959	16063115	Gmdrm	hypo	CHG	-0.245
Gm02	16063222	16063357	Gmdrm	hypo	CHG	-0.2371
Gm02	16077836	16077945	Gmdrm	hypo	CHG	-0.1424
Gm02	16081330	16081430	Gmdrm	hypo	CHG	-0.062
Gm02	16088094	16088212	Gmdrm	hypo	CHG	-0.33
Gm02	16088827	16088909	Gmdrm	hypo	CHG	-0.305
Gm02	16089198	16089285	Gmdrm	hypo	CHG	-0.5834
Gm02	16089606	16089673	Gmdrm	hypo	CHG	-0.82
Gm02	16095682	16095800	Gmdrm	hypo	CHG	-0.5843
Gm02	16095962	16096244	Gmdrm	hypo	CHG	-0.8437
Gm02	16096455	16096576	Gmdrm	hypo	CHG	-0.8482
Gm02	16155446	16155502	Gmdrm	hypo	CHG	-0.276
Gm02	16162252	16162420	Gmdrm	hypo	CHG	-0.3827
Gm02	16162595	16162692	Gmdrm	hypo	CHG	-0.685
Gm02	16204817	16205028	Gmdrm	hypo	CHG	-0.1183
Gm02	16209690	16209824	Gmdrm	hypo	CHG	-0.0372
Gm02	16216871	16217073	Gmdrm	hypo	CHG	-0.2878

Gm02	16230140	16230305	Gmdrm	hypo	CHG	-0.4057
Gm02	16270714	16270897	Gmdrm	hypo	CHG	-0.392
Gm02	16271017	16271113	Gmdrm	hypo	CHG	-0.175
Gm02	16271226	16271371	Gmdrm	hypo	CHG	-0.3266
Gm02	16283422	16283613	Gmdrm	hypo	CHG	-0.5171
Gm02	16290923	16291168	Gmdrm	hypo	CHG	-0.113
Gm02	16303916	16304046	Gmdrm	hypo	CHG	-0.455
Gm02	16304507	16304781	Gmdrm	hypo	CHG	-0.5889
Gm02	16310690	16310944	Gmdrm	hypo	CHG	-0.05
Gm02	16318202	16318328	Gmdrm	hypo	CHG	-0.052
Gm02	16319825	16320233	Gmdrm	hypo	CHG	-0.0322
Gm02	16362628	16362974	Gmdrm	hypo	CHG	-0.5373
Gm02	16373639	16373992	Gmdrm	hypo	CHG	-0.2918
Gm02	16380041	16380185	Gmdrm	hypo	CHG	-0.044
Gm02	16386910	16387052	Gmdrm	hypo	CHG	-0.3027
Gm02	16387177	16387469	Gmdrm	hypo	CHG	-0.4
Gm02	16387830	16388057	Gmdrm	hypo	CHG	-0.0357
Gm02	16418835	16418923	Gmdrm	hypo	CHG	-0.2584
Gm02	16422521	16422655	Gmdrm	hypo	CHG	-0.04
Gm02	16563504	16563590	Gmdrm	hypo	CHG	-0.6678
Gm02	16622513	16622564	Gmdrm	hypo	CHG	-0.0601
Gm02	16736294	16736560	Gmdrm	hypo	CHG	-0.2748
Gm02	16736690	16736738	Gmdrm	hypo	CHG	-0.5845
Gm02	16736973	16737080	Gmdrm	hypo	CHG	-0.4533
Gm02	16737330	16737630	Gmdrm	hypo	CHG	-0.1215
Gm02	16915694	16915799	Gmdrm	hypo	CHG	-0.522
Gm02	16983214	16983374	Gmdrm	hypo	CHG	-0.2591
Gm02	16983512	16983545	Gmdrm	hypo	CHG	-0.618
Gm02	16984688	16984818	Gmdrm	hypo	CHG	-0.36
Gm02	16990781	16991110	Gmdrm	hypo	CHG	-0.3084
Gm02	16992729	16992816	Gmdrm	hypo	CHG	-0.47
Gm02	17103434	17103703	Gmdrm	hypo	CHG	-0.0375
Gm02	17114085	17114285	Gmdrm	hypo	CHG	-0.735
Gm02	17114394	17114553	Gmdrm	hypo	CHG	-0.4257
Gm02	17115735	17115987	Gmdrm	hypo	CHG	-0.1582
Gm02	17208776	17209754	Gmdrm	hypo	CHG	-0.152
Gm02	17279948	17280327	Gmdrm	hypo	CHG	-0.3477
Gm02	17342465	17342515	Gmdrm	hypo	CHG	-0.3657
Gm02	17375451	17375679	Gmdrm	hypo	CHG	-0.062
Gm02	17404743	17405296	Gmdrm	hypo	CHG	-0.3108
Gm02	17420470	17420912	Gmdrm	hypo	CHG	-0.4812
Gm02	17429227	17429369	Gmdrm	hypo	CHG	-0.6277
Gm02	17433004	17433246	Gmdrm	hypo	CHG	-0.342
Gm02	17481216	17481306	Gmdrm	hypo	CHG	-0.22
Gm02	17481410	17481465	Gmdrm	hypo	CHG	-0.0683
Gm02	17487454	17487695	Gmdrm	hypo	CHG	-0.066

Gm02	17545465	17545537	Gmdrm	hypo	CHG	-0.6217
Gm02	17724777	17724868	Gmdrm	hypo	CHG	-0.052
Gm02	17731108	17731305	Gmdrm	hypo	CHG	-0.3721
Gm02	17736744	17736788	Gmdrm	hypo	CHG	-0.0717
Gm02	17736934	17737155	Gmdrm	hypo	CHG	-0.8206
Gm02	17738877	17739022	Gmdrm	hypo	CHG	-0.2233
Gm02	17745293	17745311	Gmdrm	hypo	CHG	-0.6767
Gm02	18067259	18067390	Gmdrm	hypo	CHG	-0.0586
Gm02	18071351	18071578	Gmdrm	hypo	CHG	-0.7186
Gm02	18072186	18072457	Gmdrm	hypo	CHG	-0.7732
Gm02	18075041	18075246	Gmdrm	hypo	CHG	-0.056
Gm02	18175738	18175994	Gmdrm	hypo	CHG	-0.27
Gm02	18176162	18176283	Gmdrm	hypo	CHG	-0.5667
Gm02	18211257	18212241	Gmdrm	hypo	CHG	-0.2172
Gm02	18222132	18222655	Gmdrm	hypo	CHG	-0.1137
Gm02	18231768	18232214	Gmdrm	hypo	CHG	-0.8295
Gm02	18242940	18243126	Gmdrm	hypo	CHG	-0.0463
Gm02	18244723	18245715	Gmdrm	hypo	CHG	-0.222
Gm02	18246412	18246807	Gmdrm	hypo	CHG	-0.5639
Gm02	18327591	18327654	Gmdrm	hypo	CHG	-0.135
Gm02	18506431	18506581	Gmdrm	hypo	CHG	-0.0886
Gm02	18510744	18510934	Gmdrm	hypo	CHG	-0.7375
Gm02	18511075	18511153	Gmdrm	hypo	CHG	-0.8029
Gm02	18904386	18904624	Gmdrm	hypo	CHG	-0.24
Gm02	18918702	18918917	Gmdrm	hypo	CHG	-0.6053
Gm02	18919031	18919237	Gmdrm	hypo	CHG	-0.415
Gm02	18958664	18958938	Gmdrm	hypo	CHG	-0.0662
Gm02	18962503	18962511	Gmdrm	hypo	CHG	-0.7383
Gm02	18967381	18967501	Gmdrm	hypo	CHG	-0.3067
Gm02	18968071	18968095	Gmdrm	hypo	CHG	-0.095
Gm02	18971860	18972167	Gmdrm	hypo	CHG	-0.4822
Gm02	19099521	19099704	Gmdrm	hypo	CHG	-0.0485
Gm02	19101545	19101626	Gmdrm	hypo	CHG	-0.0288
Gm02	19108375	19108535	Gmdrm	hypo	CHG	-0.3786
Gm02	19146955	19147219	Gmdrm	hypo	CHG	-0.2911
Gm02	19148486	19148728	Gmdrm	hypo	CHG	-0.1081
Gm02	19148916	19149518	Gmdrm	hypo	CHG	-0.6025
Gm02	19155144	19155275	Gmdrm	hypo	CHG	-0.11
Gm02	19156317	19156441	Gmdrm	hypo	CHG	-0.4621
Gm02	19157067	19157321	Gmdrm	hypo	CHG	-0.475
Gm02	19281574	19281592	Gmdrm	hypo	CHG	-0.186
Gm02	19416070	19416138	Gmdrm	hypo	CHG	-0.174
Gm02	19614046	19614150	Gmdrm	hypo	CHG	-0.5133
Gm02	19639555	19639621	Gmdrm	hypo	CHG	-0.8416
Gm02	19639842	19640080	Gmdrm	hypo	CHG	-0.3335
Gm02	19654355	19654841	Gmdrm	hypo	CHG	-0.5729

Gm02	19657950	19658025	Gmdrm	hypo	CHG	-0.0583
Gm02	19695750	19695983	Gmdrm	hypo	CHG	-0.2436
Gm02	20104385	20104404	Gmdrm	hypo	CHG	-0.2817
Gm02	20601425	20601463	Gmdrm	hypo	CHG	-0.2734
Gm02	20602445	20602492	Gmdrm	hypo	CHG	-0.162
Gm02	21457256	21457364	Gmdrm	hypo	CHG	-0.5443
Gm02	21465283	21465379	Gmdrm	hypo	CHG	-0.7343
Gm02	21465498	21465575	Gmdrm	hypo	CHG	-0.512
Gm02	21489846	21490100	Gmdrm	hypo	CHG	-0.1717
Gm02	21498829	21498933	Gmdrm	hypo	CHG	-0.4917
Gm02	21602549	21602611	Gmdrm	hypo	CHG	-0.66
Gm02	21630609	21631035	Gmdrm	hypo	CHG	-0.2465
Gm02	21634321	21634658	Gmdrm	hypo	CHG	-0.1324
Gm02	22003496	22003603	Gmdrm	hypo	CHG	-0.5283
Gm02	22006638	22006973	Gmdrm	hypo	CHG	-0.0382
Gm02	22009493	22009863	Gmdrm	hypo	CHG	-0.0393
Gm02	22017240	22017570	Gmdrm	hypo	CHG	-0.2014
Gm02	22021700	22021711	Gmdrm	hypo	CHG	-0.492
Gm02	22021812	22022037	Gmdrm	hypo	CHG	-0.058
Gm02	22026031	22026500	Gmdrm	hypo	CHG	-0.1167
Gm02	22194000	22194155	Gmdrm	hypo	CHG	-0.21
Gm02	22429006	22429237	Gmdrm	hypo	CHG	-0.7086
Gm02	22442566	22443130	Gmdrm	hypo	CHG	-0.186
Gm02	22455321	22455445	Gmdrm	hypo	CHG	-0.5988
Gm02	22457293	22457448	Gmdrm	hypo	CHG	-0.1143
Gm02	22557388	22557481	Gmdrm	hypo	CHG	-0.22
Gm02	22613753	22613878	Gmdrm	hypo	CHG	-0.2789
Gm02	22654353	22654623	Gmdrm	hypo	CHG	-0.0733
Gm02	22655320	22655607	Gmdrm	hypo	CHG	-0.05
Gm02	22661557	22662431	Gmdrm	hypo	CHG	-0.1748
Gm02	22848918	22848985	Gmdrm	hypo	CHG	-0.062
Gm02	22853197	22853228	Gmdrm	hypo	CHG	-0.7685
Gm02	23260591	23260744	Gmdrm	hypo	CHG	-0.2476
Gm02	23323704	23323768	Gmdrm	hypo	CHG	-0.14
Gm02	23601335	23601511	Gmdrm	hypo	CHG	-0.31
Gm02	23601662	23601927	Gmdrm	hypo	CHG	-0.0378
Gm02	23828940	23829083	Gmdrm	hypo	CHG	-0.175
Gm02	24048354	24048461	Gmdrm	hypo	CHG	-0.082
Gm02	24055334	24055930	Gmdrm	hypo	CHG	-0.308
Gm02	24064183	24064767	Gmdrm	hypo	CHG	-0.2266
Gm02	24065930	24066055	Gmdrm	hypo	CHG	-0.0967
Gm02	24066165	24066243	Gmdrm	hypo	CHG	-0.7438
Gm02	24066391	24066576	Gmdrm	hypo	CHG	-0.4911
Gm02	24067510	24067703	Gmdrm	hypo	CHG	-0.6126
Gm02	24067869	24068083	Gmdrm	hypo	CHG	-0.5915
Gm02	24407459	24407543	Gmdrm	hypo	CHG	-0.265

Gm02	24421099	24421253	Gmdrm	hypo	CHG	-0.3725
Gm02	24485878	24486401	Gmdrm	hypo	CHG	-0.1184
Gm02	25012696	25012851	Gmdrm	hypo	CHG	-0.3831
Gm02	25024648	25025186	Gmdrm	hypo	CHG	-0.3517
Gm02	25025409	25026180	Gmdrm	hypo	CHG	-0.3388
Gm02	25026421	25026988	Gmdrm	hypo	CHG	-0.2416
Gm02	25397308	25398110	Gmdrm	hypo	CHG	-0.1056
Gm02	25746500	25746589	Gmdrm	hypo	CHG	-0.8267
Gm02	25755732	25756113	Gmdrm	hypo	CHG	-0.2063
Gm02	25756229	25756765	Gmdrm	hypo	CHG	-0.2837
Gm02	25756871	25757546	Gmdrm	hypo	CHG	-0.3225
Gm02	25757750	25758684	Gmdrm	hypo	CHG	-0.3127
Gm02	25762582	25762807	Gmdrm	hypo	CHG	-0.0583
Gm02	25778512	25778577	Gmdrm	hypo	CHG	-0.332
Gm02	26091401	26092363	Gmdrm	hypo	CHG	-0.4406
Gm02	26092443	26093001	Gmdrm	hypo	CHG	-0.4647
Gm02	26093322	26093719	Gmdrm	hypo	CHG	-0.338
Gm02	26094524	26094672	Gmdrm	hypo	CHG	-0.0464
Gm02	26144614	26145392	Gmdrm	hypo	CHG	-0.2536
Gm02	26145540	26145913	Gmdrm	hypo	CHG	-0.2238
Gm02	26146024	26146940	Gmdrm	hypo	CHG	-0.1902
Gm02	26163693	26163937	Gmdrm	hypo	CHG	-0.0682
Gm02	26164109	26164318	Gmdrm	hypo	CHG	-0.61
Gm02	26164552	26164803	Gmdrm	hypo	CHG	-0.5011
Gm02	26336417	26336580	Gmdrm	hypo	CHG	-0.7038
Gm02	26643520	26643876	Gmdrm	hypo	CHG	-0.2313
Gm02	26644995	26645104	Gmdrm	hypo	CHG	-0.3334
Gm02	26648963	26649017	Gmdrm	hypo	CHG	-0.1316
Gm02	26660805	26661069	Gmdrm	hypo	CHG	-0.2915
Gm02	26661205	26662030	Gmdrm	hypo	CHG	-0.3221
Gm02	26837936	26838045	Gmdrm	hypo	CHG	-0.5316
Gm02	26838787	26838869	Gmdrm	hypo	CHG	-0.262
Gm02	26840574	26840962	Gmdrm	hypo	CHG	-0.6917
Gm02	26845325	26845817	Gmdrm	hypo	CHG	-0.1043
Gm02	26855086	26855555	Gmdrm	hypo	CHG	-0.169
Gm02	26855658	26856538	Gmdrm	hypo	CHG	-0.3809
Gm02	27025487	27025644	Gmdrm	hypo	CHG	-0.5743
Gm02	27063454	27063655	Gmdrm	hypo	CHG	-0.1952
Gm02	27130734	27130768	Gmdrm	hypo	CHG	-0.3016
Gm02	27167639	27167733	Gmdrm	hypo	CHG	-0.522
Gm02	27168002	27168174	Gmdrm	hypo	CHG	-0.5181
Gm02	27170622	27170679	Gmdrm	hypo	CHG	-0.5383
Gm02	27191814	27191936	Gmdrm	hypo	CHG	-0.172
Gm02	27197931	27197993	Gmdrm	hypo	CHG	-0.024
Gm02	27200275	27200484	Gmdrm	hypo	CHG	-0.5743
Gm02	27201776	27201860	Gmdrm	hypo	CHG	-0.7972

Gm02	27202018	27202210	Gmdrm	hypo	CHG	-0.2923
Gm02	27203234	27203311	Gmdrm	hypo	CHG	-0.5184
Gm02	27210139	27210509	Gmdrm	hypo	CHG	-0.2043
Gm02	27210638	27210900	Gmdrm	hypo	CHG	-0.3134
Gm02	27222390	27222476	Gmdrm	hypo	CHG	-0.45
Gm02	27405410	27405638	Gmdrm	hypo	CHG	-0.9406
Gm02	27410829	27410904	Gmdrm	hypo	CHG	-0.67
Gm02	27428941	27428974	Gmdrm	hypo	CHG	-0.26
Gm02	27561275	27561288	Gmdrm	hypo	CHG	-0.334
Gm02	27588630	27588927	Gmdrm	hypo	CHG	-0.0327
Gm02	27590542	27590729	Gmdrm	hypo	CHG	-0.437
Gm02	27590852	27591096	Gmdrm	hypo	CHG	-0.3817
Gm02	27615050	27615060	Gmdrm	hypo	CHG	-0.044
Gm02	27667677	27667888	Gmdrm	hypo	CHG	-0.3812
Gm02	27670163	27670387	Gmdrm	hypo	CHG	-0.5546
Gm02	27670504	27670686	Gmdrm	hypo	CHG	-0.8318
Gm02	27677919	27678098	Gmdrm	hypo	CHG	-0.679
Gm02	27678229	27678475	Gmdrm	hypo	CHG	-0.294
Gm02	27707785	27707890	Gmdrm	hypo	CHG	-0.574
Gm02	27773911	27774205	Gmdrm	hypo	CHG	-0.4135
Gm02	27782378	27782466	Gmdrm	hypo	CHG	-0.3317
Gm02	27788817	27789235	Gmdrm	hypo	CHG	-0.1367
Gm02	27795967	27796370	Gmdrm	hypo	CHG	-0.5671
Gm02	27822036	27822240	Gmdrm	hypo	CHG	-0.4478
Gm02	27822461	27822887	Gmdrm	hypo	CHG	-0.3649
Gm02	27829640	27829790	Gmdrm	hypo	CHG	-0.4066
Gm02	27831173	27831245	Gmdrm	hypo	CHG	-0.7413
Gm02	27831388	27831462	Gmdrm	hypo	CHG	-0.4257
Gm02	27839899	27840107	Gmdrm	hypo	CHG	-0.2512
Gm02	27854871	27855270	Gmdrm	hypo	CHG	-0.035
Gm02	27856375	27856675	Gmdrm	hypo	CHG	-0.13
Gm02	27880047	27880453	Gmdrm	hypo	CHG	-0.6007
Gm02	27910074	27910496	Gmdrm	hypo	CHG	-0.2816
Gm02	27912025	27912150	Gmdrm	hypo	CHG	-0.07
Gm02	27918267	27918445	Gmdrm	hypo	CHG	-0.0437
Gm02	27921036	27921393	Gmdrm	hypo	CHG	-0.0578
Gm02	27922074	27922229	Gmdrm	hypo	CHG	-0.1438
Gm02	27923658	27923784	Gmdrm	hypo	CHG	-0.229
Gm02	27930214	27930326	Gmdrm	hypo	CHG	-0.0425
Gm02	27945359	27945793	Gmdrm	hypo	CHG	-0.3697
Gm02	27945930	27946232	Gmdrm	hypo	CHG	-0.0627
Gm02	27947439	27947690	Gmdrm	hypo	CHG	-0.3056
Gm02	27947791	27948762	Gmdrm	hypo	CHG	-0.3088
Gm02	27948830	27949706	Gmdrm	hypo	CHG	-0.3142
Gm02	27952060	27952199	Gmdrm	hypo	CHG	-0.6612
Gm02	27979313	27979900	Gmdrm	hypo	CHG	-0.2237

Gm02	27980275	27980482	Gmdrm	hypo	CHG	-0.8125
Gm02	27980984	27981253	Gmdrm	hypo	CHG	-0.5489
Gm02	27984458	27984495	Gmdrm	hypo	CHG	-0.264
Gm02	27984767	27984980	Gmdrm	hypo	CHG	-0.195
Gm02	27985209	27985400	Gmdrm	hypo	CHG	-0.37
Gm02	27996416	27996709	Gmdrm	hypo	CHG	-0.524
Gm02	27996857	27996998	Gmdrm	hypo	CHG	-0.3871
Gm02	28009533	28009585	Gmdrm	hypo	CHG	-0.2038
Gm02	28015356	28016167	Gmdrm	hypo	CHG	-0.2105
Gm02	28016475	28017071	Gmdrm	hypo	CHG	-0.0645
Gm02	28018546	28019528	Gmdrm	hypo	CHG	-0.2458
Gm02	28019613	28020611	Gmdrm	hypo	CHG	-0.2197
Gm02	28055542	28055663	Gmdrm	hypo	CHG	-0.066
Gm02	28063806	28063902	Gmdrm	hypo	CHG	-0.4514
Gm02	28064831	28065222	Gmdrm	hypo	CHG	-0.16
Gm02	28072913	28073053	Gmdrm	hypo	CHG	-0.198
Gm02	28073156	28073282	Gmdrm	hypo	CHG	-0.5626
Gm02	28073982	28074292	Gmdrm	hypo	CHG	-0.575
Gm02	28075200	28075560	Gmdrm	hypo	CHG	-0.0883
Gm02	28103714	28103796	Gmdrm	hypo	CHG	-0.14
Gm02	28134711	28134877	Gmdrm	hypo	CHG	-0.47
Gm02	28178329	28178373	Gmdrm	hypo	CHG	-0.684
Gm02	28296659	28296771	Gmdrm	hypo	CHG	-0.8683
Gm02	28322342	28322391	Gmdrm	hypo	CHG	-0.815
Gm02	28349104	28349175	Gmdrm	hypo	CHG	-0.48
Gm02	28358967	28359015	Gmdrm	hypo	CHG	-0.2784
Gm02	28365003	28365122	Gmdrm	hypo	CHG	-0.7633
Gm02	28367058	28367459	Gmdrm	hypo	CHG	-0.3852
Gm02	28483492	28483671	Gmdrm	hypo	CHG	-0.7585
Gm02	28490702	28490896	Gmdrm	hypo	CHG	-0.13
Gm02	28497041	28497150	Gmdrm	hypo	CHG	-0.04
Gm02	28607258	28607464	Gmdrm	hypo	CHG	-0.5326
Gm02	28608858	28609125	Gmdrm	hypo	CHG	-0.4888
Gm02	28609262	28609525	Gmdrm	hypo	CHG	-0.2723
Gm02	28609711	28609798	Gmdrm	hypo	CHG	-0.345
Gm02	28609952	28610066	Gmdrm	hypo	CHG	-0.2767
Gm02	28679389	28680326	Gmdrm	hypo	CHG	-0.1807
Gm02	28698467	28698676	Gmdrm	hypo	CHG	-0.3089
Gm02	28699679	28700050	Gmdrm	hypo	CHG	-0.2365
Gm02	28705676	28705984	Gmdrm	hypo	CHG	-0.7233
Gm02	28734673	28734703	Gmdrm	hypo	CHG	-0.198
Gm02	28757207	28757448	Gmdrm	hypo	CHG	-0.1958
Gm02	28757631	28758251	Gmdrm	hypo	CHG	-0.2485
Gm02	28758951	28759354	Gmdrm	hypo	CHG	-0.542
Gm02	28759468	28759725	Gmdrm	hypo	CHG	-0.7477
Gm02	28760534	28760676	Gmdrm	hypo	CHG	-0.792

Gm02	28792007	28792481	Gmdrm	hypo	CHG	-0.2218
Gm02	28806340	28806820	Gmdrm	hypo	CHG	-0.15
Gm02	28807043	28807224	Gmdrm	hypo	CHG	-0.674
Gm02	28823917	28823949	Gmdrm	hypo	CHG	-0.595
Gm02	28831471	28831727	Gmdrm	hypo	CHG	-0.4975
Gm02	28835272	28835440	Gmdrm	hypo	CHG	-0.3783
Gm02	28844636	28844810	Gmdrm	hypo	CHG	-0.22
Gm02	28847665	28847868	Gmdrm	hypo	CHG	-0.7816
Gm02	28847976	28848214	Gmdrm	hypo	CHG	-0.8339
Gm02	28851768	28851990	Gmdrm	hypo	CHG	-0.6807
Gm02	28852132	28852233	Gmdrm	hypo	CHG	-0.3383
Gm02	28877140	28877300	Gmdrm	hypo	CHG	-0.7487
Gm02	28877574	28877788	Gmdrm	hypo	CHG	-0.5434
Gm02	29063359	29063615	Gmdrm	hypo	CHG	-0.4236
Gm02	29130339	29130547	Gmdrm	hypo	CHG	-0.5356
Gm02	29135216	29135334	Gmdrm	hypo	CHG	-0.5
Gm02	29186871	29186911	Gmdrm	hypo	CHG	-0.084
Gm02	29224554	29225012	Gmdrm	hypo	CHG	-0.432
Gm02	29232864	29232953	Gmdrm	hypo	CHG	-0.55
Gm02	29238784	29238854	Gmdrm	hypo	CHG	-0.542
Gm02	29239154	29239389	Gmdrm	hypo	CHG	-0.66
Gm02	29277347	29277555	Gmdrm	hypo	CHG	-0.8759
Gm02	29288478	29288585	Gmdrm	hypo	CHG	-0.6534
Gm02	29288942	29289278	Gmdrm	hypo	CHG	-0.76
Gm02	29310057	29310681	Gmdrm	hypo	CHG	-0.3679
Gm02	29310996	29311061	Gmdrm	hypo	CHG	-0.044
Gm02	29314938	29315128	Gmdrm	hypo	CHG	-0.152
Gm02	29316971	29317186	Gmdrm	hypo	CHG	-0.7774
Gm02	29317676	29317919	Gmdrm	hypo	CHG	-0.2617
Gm02	29350516	29350613	Gmdrm	hypo	CHG	-0.4443
Gm02	29360540	29361005	Gmdrm	hypo	CHG	-0.3952
Gm02	29361223	29361361	Gmdrm	hypo	CHG	-0.4275
Gm02	29412361	29412392	Gmdrm	hypo	CHG	-0.874
Gm02	29477815	29477852	Gmdrm	hypo	CHG	-0.7083
Gm02	29480740	29481115	Gmdrm	hypo	CHG	-0.212
Gm02	29507451	29507648	Gmdrm	hypo	CHG	-0.6216
Gm02	29508023	29508044	Gmdrm	hypo	CHG	-0.364
Gm02	29519089	29519217	Gmdrm	hypo	CHG	-0.45
Gm02	29527327	29527540	Gmdrm	hypo	CHG	-0.5654
Gm02	29527703	29528249	Gmdrm	hypo	CHG	-0.3462
Gm02	29533772	29534024	Gmdrm	hypo	CHG	-0.063
Gm02	29534153	29534236	Gmdrm	hypo	CHG	-0.6484
Gm02	29566173	29566367	Gmdrm	hypo	CHG	-0.353
Gm02	29610383	29610437	Gmdrm	hypo	CHG	-0.3482
Gm02	29610644	29610925	Gmdrm	hypo	CHG	-0.6723
Gm02	29611111	29611295	Gmdrm	hypo	CHG	-0.0367

Gm02	29661506	29661736	Gmdrm	hypo	CHG	-0.2036
Gm02	29675704	29675968	Gmdrm	hypo	CHG	-0.34
Gm02	29680010	29680528	Gmdrm	hypo	CHG	-0.04
Gm02	29685999	29686088	Gmdrm	hypo	CHG	-0.1013
Gm02	29689856	29690229	Gmdrm	hypo	CHG	-0.0478
Gm02	29692972	29693433	Gmdrm	hypo	CHG	-0.1823
Gm02	29695816	29696023	Gmdrm	hypo	CHG	-0.7
Gm02	29696235	29696692	Gmdrm	hypo	CHG	-0.5223
Gm02	29696837	29696860	Gmdrm	hypo	CHG	-0.4143
Gm02	29697006	29697362	Gmdrm	hypo	CHG	-0.5107
Gm02	29697985	29698739	Gmdrm	hypo	CHG	-0.3953
Gm02	29698927	29699266	Gmdrm	hypo	CHG	-0.4
Gm02	29700254	29700487	Gmdrm	hypo	CHG	-0.3156
Gm02	29700783	29701184	Gmdrm	hypo	CHG	-0.1846
Gm02	29701289	29701810	Gmdrm	hypo	CHG	-0.3595
Gm02	29708911	29709088	Gmdrm	hypo	CHG	-0.525
Gm02	29709622	29709990	Gmdrm	hypo	CHG	-0.0946
Gm02	29726813	29726879	Gmdrm	hypo	CHG	-0.075
Gm02	29798296	29798420	Gmdrm	hypo	CHG	-0.634
Gm02	29808931	29809018	Gmdrm	hypo	CHG	-0.48
Gm02	29811369	29811462	Gmdrm	hypo	CHG	-0.3733
Gm02	29815886	29816169	Gmdrm	hypo	CHG	-0.258
Gm02	29824113	29824383	Gmdrm	hypo	CHG	-0.2305
Gm02	29835213	29835405	Gmdrm	hypo	CHG	-0.4484
Gm02	29841291	29841438	Gmdrm	hypo	CHG	-0.5372
Gm02	29846659	29847001	Gmdrm	hypo	CHG	-0.1012
Gm02	29847599	29847628	Gmdrm	hypo	CHG	-0.746
Gm02	29854667	29854766	Gmdrm	hypo	CHG	-0.7743
Gm02	29886620	29886642	Gmdrm	hypo	CHG	-0.51
Gm02	29886744	29887059	Gmdrm	hypo	CHG	-0.3975
Gm02	29933385	29933467	Gmdrm	hypo	CHG	-0.57
Gm02	29933593	29934189	Gmdrm	hypo	CHG	-0.32
Gm02	29937650	29937852	Gmdrm	hypo	CHG	-0.2412
Gm02	29962769	29962865	Gmdrm	hypo	CHG	-0.16
Gm02	29992114	29992210	Gmdrm	hypo	CHG	-0.36
Gm02	30037190	30037425	Gmdrm	hypo	CHG	-0.2737
Gm02	30039576	30040181	Gmdrm	hypo	CHG	-0.5878
Gm02	30050530	30050959	Gmdrm	hypo	CHG	-0.218
Gm02	30058399	30058558	Gmdrm	hypo	CHG	-0.5327
Gm02	30163518	30163809	Gmdrm	hypo	CHG	-0.3229
Gm02	30167957	30168099	Gmdrm	hypo	CHG	-0.6567
Gm02	30168500	30168710	Gmdrm	hypo	CHG	-0.7229
Gm02	30168914	30169579	Gmdrm	hypo	CHG	-0.7566
Gm02	30242704	30243087	Gmdrm	hypo	CHG	-0.0556
Gm02	30377771	30377876	Gmdrm	hypo	CHG	-0.756
Gm02	30378009	30378394	Gmdrm	hypo	CHG	-0.6936

Gm02	30407754	30407913	Gmdrm	hypo	CHG	-0.07
Gm02	30418135	30418273	Gmdrm	hypo	CHG	-0.3229
Gm02	30444911	30445110	Gmdrm	hypo	CHG	-0.1357
Gm02	30592062	30592310	Gmdrm	hypo	CHG	-0.5966
Gm02	30648858	30648901	Gmdrm	hypo	CHG	-0.2483
Gm02	30694224	30694445	Gmdrm	hypo	CHG	-0.1791
Gm02	30762972	30763293	Gmdrm	hypo	CHG	-0.4664
Gm02	30769229	30769428	Gmdrm	hypo	CHG	-0.035
Gm02	30841718	30841812	Gmdrm	hypo	CHG	-0.0334
Gm02	30857787	30857958	Gmdrm	hypo	CHG	-0.62
Gm02	30858136	30858816	Gmdrm	hypo	CHG	-0.5322
Gm02	30908175	30908224	Gmdrm	hypo	CHG	-0.8037
Gm02	31079242	31079434	Gmdrm	hypo	CHG	-0.33
Gm02	31079564	31079660	Gmdrm	hypo	CHG	-0.4075
Gm02	31081449	31082097	Gmdrm	hypo	CHG	-0.4878
Gm02	31082202	31082283	Gmdrm	hypo	CHG	-0.6367
Gm02	31098836	31098965	Gmdrm	hypo	CHG	-0.2813
Gm02	31113461	31113719	Gmdrm	hypo	CHG	-0.5011
Gm02	31118486	31118695	Gmdrm	hypo	CHG	-0.28
Gm02	31120210	31120331	Gmdrm	hypo	CHG	-0.5629
Gm02	31121164	31121204	Gmdrm	hypo	CHG	-0.756
Gm02	31132931	31133067	Gmdrm	hypo	CHG	-0.6589
Gm02	31185322	31186002	Gmdrm	hypo	CHG	-0.3165
Gm02	31186137	31186546	Gmdrm	hypo	CHG	-0.541
Gm02	31186647	31186753	Gmdrm	hypo	CHG	-0.558
Gm02	31193065	31193255	Gmdrm	hypo	CHG	-0.4714
Gm02	31203803	31203915	Gmdrm	hypo	CHG	-0.7987
Gm02	31204038	31204102	Gmdrm	hypo	CHG	-0.5729
Gm02	31213050	31213345	Gmdrm	hypo	CHG	-0.3057
Gm02	31239635	31239712	Gmdrm	hypo	CHG	-0.6037
Gm02	31334254	31334326	Gmdrm	hypo	CHG	-0.6543
Gm02	31335064	31335124	Gmdrm	hypo	CHG	-0.6766
Gm02	31335340	31335457	Gmdrm	hypo	CHG	-0.4133
Gm02	31429186	31429296	Gmdrm	hypo	CHG	-0.118
Gm02	31445317	31445459	Gmdrm	hypo	CHG	-0.4
Gm02	31485676	31485746	Gmdrm	hypo	CHG	-0.3215
Gm02	31485867	31486039	Gmdrm	hypo	CHG	-0.135
Gm02	31499781	31500450	Gmdrm	hypo	CHG	-0.293
Gm02	31510943	31511170	Gmdrm	hypo	CHG	-0.2977
Gm02	31599071	31599559	Gmdrm	hypo	CHG	-0.266
Gm02	31640723	31640855	Gmdrm	hypo	CHG	-0.356
Gm02	31700779	31700793	Gmdrm	hypo	CHG	-0.046
Gm02	31701158	31701188	Gmdrm	hypo	CHG	-0.028
Gm02	31701388	31701658	Gmdrm	hypo	CHG	-0.6322
Gm02	31703727	31703845	Gmdrm	hypo	CHG	-0.15
Gm02	31838239	31838314	Gmdrm	hypo	CHG	-0.708

Gm02	31838446	31838556	Gmdrm	hypo	CHG	-0.5615
Gm02	31857634	31857726	Gmdrm	hypo	CHG	-0.43
Gm02	31910227	31910351	Gmdrm	hypo	CHG	-0.4537
Gm02	31922520	31922610	Gmdrm	hypo	CHG	-0.3914
Gm02	31924907	31925207	Gmdrm	hypo	CHG	-0.2191
Gm02	31967054	31967113	Gmdrm	hypo	CHG	-0.5784
Gm02	31991411	31991605	Gmdrm	hypo	CHG	-0.4754
Gm02	31991983	31992111	Gmdrm	hypo	CHG	-0.0366
Gm02	32001596	32001799	Gmdrm	hypo	CHG	-0.5869
Gm02	32002512	32002818	Gmdrm	hypo	CHG	-0.5258
Gm02	32020584	32020903	Gmdrm	hypo	CHG	-0.1176
Gm02	32043540	32043771	Gmdrm	hypo	CHG	-0.2575
Gm02	32098590	32099253	Gmdrm	hypo	CHG	-0.1881
Gm02	32101919	32102284	Gmdrm	hypo	CHG	-0.0378
Gm02	32105851	32106128	Gmdrm	hypo	CHG	-0.246
Gm02	32170307	32170393	Gmdrm	hypo	CHG	-0.056
Gm02	32171982	32172068	Gmdrm	hypo	CHG	-0.3225
Gm02	32194538	32194659	Gmdrm	hypo	CHG	-0.254
Gm02	32195372	32195385	Gmdrm	hypo	CHG	-0.082
Gm02	32196789	32196989	Gmdrm	hypo	CHG	-0.0443
Gm02	32218829	32218983	Gmdrm	hypo	CHG	-0.5434
Gm02	32228675	32229081	Gmdrm	hypo	CHG	-0.3658
Gm02	32229202	32229439	Gmdrm	hypo	CHG	-0.484
Gm02	32283824	32283983	Gmdrm	hypo	CHG	-0.2613
Gm02	32414911	32415567	Gmdrm	hypo	CHG	-0.0542
Gm02	32428412	32429374	Gmdrm	hypo	CHG	-0.1066
Gm02	32442000	32442709	Gmdrm	hypo	CHG	-0.3115
Gm02	32448459	32448538	Gmdrm	hypo	CHG	-0.6125
Gm02	32453511	32453655	Gmdrm	hypo	CHG	-0.524
Gm02	32460055	32460315	Gmdrm	hypo	CHG	-0.3
Gm02	32460566	32460786	Gmdrm	hypo	CHG	-0.6885
Gm02	32462684	32462827	Gmdrm	hypo	CHG	-0.05
Gm02	32479792	32479974	Gmdrm	hypo	CHG	-0.055
Gm02	32482186	32482318	Gmdrm	hypo	CHG	-0.4314
Gm02	32503380	32503568	Gmdrm	hypo	CHG	-0.3958
Gm02	32505695	32505723	Gmdrm	hypo	CHG	-0.2884
Gm02	32598986	32599064	Gmdrm	hypo	CHG	-0.134
Gm02	32665912	32666091	Gmdrm	hypo	CHG	-0.538
Gm02	32736170	32736433	Gmdrm	hypo	CHG	-0.06
Gm02	32742906	32742961	Gmdrm	hypo	CHG	-0.414
Gm02	32753794	32753871	Gmdrm	hypo	CHG	-0.034
Gm02	32809605	32809721	Gmdrm	hypo	CHG	-0.1714
Gm02	32809863	32809954	Gmdrm	hypo	CHG	-0.658
Gm02	32817811	32817830	Gmdrm	hypo	CHG	-0.694
Gm02	32820192	32820290	Gmdrm	hypo	CHG	-0.616
Gm02	32828480	32829354	Gmdrm	hypo	CHG	-0.2233

Gm02	32838163	32838234	Gmdrm	hypo	CHG	-0.0314
Gm02	32866115	32866738	Gmdrm	hypo	CHG	-0.218
Gm02	32866855	32867045	Gmdrm	hypo	CHG	-0.8574
Gm02	32869826	32870817	Gmdrm	hypo	CHG	-0.2204
Gm02	32870830	32871198	Gmdrm	hypo	CHG	-0.1195
Gm02	32877721	32877906	Gmdrm	hypo	CHG	-0.0243
Gm02	32879931	32880360	Gmdrm	hypo	CHG	-0.0546
Gm02	32884562	32884829	Gmdrm	hypo	CHG	-0.328
Gm02	32886998	32887304	Gmdrm	hypo	CHG	-0.7383
Gm02	32923081	32923170	Gmdrm	hypo	CHG	-0.65
Gm02	32936440	32936513	Gmdrm	hypo	CHG	-0.656
Gm02	32937937	32937986	Gmdrm	hypo	CHG	-0.6867
Gm02	32948228	32948745	Gmdrm	hypo	CHG	-0.7534
Gm02	32951165	32951269	Gmdrm	hypo	CHG	-0.418
Gm02	32996034	32996148	Gmdrm	hypo	CHG	-0.3611
Gm02	32997396	32997603	Gmdrm	hypo	CHG	-0.7779
Gm02	32997917	32998078	Gmdrm	hypo	CHG	-0.8386
Gm02	32998181	32998810	Gmdrm	hypo	CHG	-0.7289
Gm02	32998962	32999711	Gmdrm	hypo	CHG	-0.5694
Gm02	32999891	33000324	Gmdrm	hypo	CHG	-0.6469
Gm02	33000441	33000656	Gmdrm	hypo	CHG	-0.546
Gm02	33000808	33000971	Gmdrm	hypo	CHG	-0.41
Gm02	33001396	33001442	Gmdrm	hypo	CHG	-0.316
Gm02	33001807	33002095	Gmdrm	hypo	CHG	-0.293
Gm02	33002455	33002718	Gmdrm	hypo	CHG	-0.3909
Gm02	33003157	33003292	Gmdrm	hypo	CHG	-0.678
Gm02	33003524	33003582	Gmdrm	hypo	CHG	-0.41
Gm02	33003783	33003891	Gmdrm	hypo	CHG	-0.4567
Gm02	33004512	33004707	Gmdrm	hypo	CHG	-0.5255
Gm02	33005482	33005647	Gmdrm	hypo	CHG	-0.2875
Gm02	33005856	33006013	Gmdrm	hypo	CHG	-0.5411
Gm02	33006367	33006454	Gmdrm	hypo	CHG	-0.7067
Gm02	33006573	33006792	Gmdrm	hypo	CHG	-0.7275
Gm02	33006944	33007203	Gmdrm	hypo	CHG	-0.5354
Gm02	33008165	33008565	Gmdrm	hypo	CHG	-0.2193
Gm02	33023331	33023580	Gmdrm	hypo	CHG	-0.8775
Gm02	33075922	33076138	Gmdrm	hypo	CHG	-0.3411
Gm02	33081117	33081219	Gmdrm	hypo	CHG	-0.3872
Gm02	33086693	33086761	Gmdrm	hypo	CHG	-0.574
Gm02	33087925	33088052	Gmdrm	hypo	CHG	-0.4617
Gm02	33097258	33097341	Gmdrm	hypo	CHG	-0.5872
Gm02	33134586	33134694	Gmdrm	hypo	CHG	-0.6362
Gm02	33161435	33162266	Gmdrm	hypo	CHG	-0.2748
Gm02	33167419	33167734	Gmdrm	hypo	CHG	-0.5092
Gm02	33176695	33176791	Gmdrm	hypo	CHG	-0.445
Gm02	33194678	33194879	Gmdrm	hypo	CHG	-0.3275

Gm02	33208031	33208384	Gmdrm	hypo	CHG	-0.5763
Gm02	33209861	33209940	Gmdrm	hypo	CHG	-0.38
Gm02	33251133	33251344	Gmdrm	hypo	CHG	-0.5429
Gm02	33254335	33254510	Gmdrm	hypo	CHG	-0.046
Gm02	33327875	33328206	Gmdrm	hypo	CHG	-0.2729
Gm02	33328643	33328657	Gmdrm	hypo	CHG	-0.192
Gm02	33329307	33329502	Gmdrm	hypo	CHG	-0.4838
Gm02	33331264	33331419	Gmdrm	hypo	CHG	-0.3084
Gm02	33331577	33331655	Gmdrm	hypo	CHG	-0.508
Gm02	33384644	33384909	Gmdrm	hypo	CHG	-0.3729
Gm02	33387701	33388048	Gmdrm	hypo	CHG	-0.2311
Gm02	33422849	33423012	Gmdrm	hypo	CHG	-0.3444
Gm02	33574424	33574683	Gmdrm	hypo	CHG	-0.1461
Gm02	33576536	33576624	Gmdrm	hypo	CHG	-0.0337
Gm02	33675767	33675955	Gmdrm	hypo	CHG	-0.239
Gm02	33943797	33943862	Gmdrm	hypo	CHG	-0.5483
Gm02	33957974	33958062	Gmdrm	hypo	CHG	-0.532
Gm02	33966425	33966553	Gmdrm	hypo	CHG	-0.8112
Gm02	33978098	33978496	Gmdrm	hypo	CHG	-0.2976
Gm02	33984450	33984525	Gmdrm	hypo	CHG	-0.4351
Gm02	33984627	33984941	Gmdrm	hypo	CHG	-0.2267
Gm02	33993062	33993254	Gmdrm	hypo	CHG	-0.323
Gm02	34011573	34011669	Gmdrm	hypo	CHG	-0.3289
Gm02	34011881	34012391	Gmdrm	hypo	CHG	-0.1209
Gm02	34043244	34043366	Gmdrm	hypo	CHG	-0.28
Gm02	34044001	34044048	Gmdrm	hypo	CHG	-0.36
Gm02	34045020	34045097	Gmdrm	hypo	CHG	-0.574
Gm02	34057396	34057519	Gmdrm	hypo	CHG	-0.6367
Gm02	34057671	34058296	Gmdrm	hypo	CHG	-0.2589
Gm02	34062161	34063012	Gmdrm	hypo	CHG	-0.5436
Gm02	34159091	34159348	Gmdrm	hypo	CHG	-0.7222
Gm02	34173878	34174014	Gmdrm	hypo	CHG	-0.8067
Gm02	34176276	34176327	Gmdrm	hypo	CHG	-0.526
Gm02	34246634	34246697	Gmdrm	hypo	CHG	-0.0357
Gm02	34256623	34256810	Gmdrm	hypo	CHG	-0.477
Gm02	34282571	34282708	Gmdrm	hypo	CHG	-0.3323
Gm02	34282848	34283076	Gmdrm	hypo	CHG	-0.6228
Gm02	34285523	34285688	Gmdrm	hypo	CHG	-0.4326
Gm02	34287893	34288257	Gmdrm	hypo	CHG	-0.5646
Gm02	34288438	34288784	Gmdrm	hypo	CHG	-0.58
Gm02	34290995	34291331	Gmdrm	hypo	CHG	-0.559
Gm02	34378400	34378492	Gmdrm	hypo	CHG	-0.7866
Gm02	34389934	34390891	Gmdrm	hypo	CHG	-0.2724
Gm02	34390966	34391544	Gmdrm	hypo	CHG	-0.2105
Gm02	34408245	34408295	Gmdrm	hypo	CHG	-0.072
Gm02	34409255	34409300	Gmdrm	hypo	CHG	-0.092

Gm02	34409781	34409909	Gmdrm	hypo	CHG	-0.4814
Gm02	34574812	34575068	Gmdrm	hypo	CHG	-0.052
Gm02	34585915	34585947	Gmdrm	hypo	CHG	-0.2433
Gm02	34612852	34612947	Gmdrm	hypo	CHG	-0.2917
Gm02	34745710	34745902	Gmdrm	hypo	CHG	-0.8256
Gm02	34758918	34759397	Gmdrm	hypo	CHG	-0.029
Gm02	34816839	34817160	Gmdrm	hypo	CHG	-0.0865
Gm02	34817634	34817821	Gmdrm	hypo	CHG	-0.515
Gm02	34818186	34818709	Gmdrm	hypo	CHG	-0.4639
Gm02	34819814	34819875	Gmdrm	hypo	CHG	-0.14
Gm02	34940065	34940176	Gmdrm	hypo	CHG	-0.195
Gm02	34942399	34942414	Gmdrm	hypo	CHG	-0.1567
Gm02	35271583	35271669	Gmdrm	hypo	CHG	-0.5867
Gm02	35272437	35272873	Gmdrm	hypo	CHG	-0.35
Gm02	35273023	35273238	Gmdrm	hypo	CHG	-0.3449
Gm02	35274475	35274920	Gmdrm	hypo	CHG	-0.2604
Gm02	35287951	35288185	Gmdrm	hypo	CHG	-0.4191
Gm02	35290690	35290792	Gmdrm	hypo	CHG	-0.6758
Gm02	35305374	35305455	Gmdrm	hypo	CHG	-0.4
Gm02	35305697	35305856	Gmdrm	hypo	CHG	-0.9556
Gm02	35306104	35306238	Gmdrm	hypo	CHG	-0.078
Gm02	35311048	35311285	Gmdrm	hypo	CHG	-0.058
Gm02	35312268	35312478	Gmdrm	hypo	CHG	-0.1038
Gm02	35506769	35507763	Gmdrm	hypo	CHG	-0.103
Gm02	35598027	35598201	Gmdrm	hypo	CHG	-0.092
Gm02	35624605	35624821	Gmdrm	hypo	CHG	-0.2992
Gm02	35626736	35627103	Gmdrm	hypo	CHG	-0.6596
Gm02	35627223	35627316	Gmdrm	hypo	CHG	-0.8514
Gm02	35646969	35647080	Gmdrm	hypo	CHG	-0.2284
Gm02	35789484	35789620	Gmdrm	hypo	CHG	-0.7383
Gm02	35791941	35792113	Gmdrm	hypo	CHG	-0.555
Gm02	35826780	35826909	Gmdrm	hypo	CHG	-0.028
Gm02	35846882	35846983	Gmdrm	hypo	CHG	-0.14
Gm02	35847554	35847707	Gmdrm	hypo	CHG	-0.4171
Gm02	35848029	35848211	Gmdrm	hypo	CHG	-0.3916
Gm02	35855584	35855703	Gmdrm	hypo	CHG	-0.295
Gm02	35865487	35865574	Gmdrm	hypo	CHG	-0.48
Gm02	35866210	35866560	Gmdrm	hypo	CHG	-0.3636
Gm02	35868790	35868965	Gmdrm	hypo	CHG	-0.0313
Gm02	36191957	36192052	Gmdrm	hypo	CHG	-0.7625
Gm02	36192494	36192692	Gmdrm	hypo	CHG	-0.6536
Gm02	36193236	36193425	Gmdrm	hypo	CHG	-0.7271
Gm02	36193699	36193781	Gmdrm	hypo	CHG	-0.5466
Gm02	36441641	36441840	Gmdrm	hypo	CHG	-0.147
Gm02	36575366	36575505	Gmdrm	hypo	CHG	-0.348
Gm02	36576200	36576345	Gmdrm	hypo	CHG	-0.8678

Gm02	36576449	36576742	Gmdrm	hypo	CHG	-0.7143
Gm02	36576893	36576960	Gmdrm	hypo	CHG	-0.3413
Gm02	36589839	36589975	Gmdrm	hypo	CHG	-0.1273
Gm02	36590194	36590600	Gmdrm	hypo	CHG	-0.3005
Gm02	36722594	36722805	Gmdrm	hypo	CHG	-0.4234
Gm02	36722951	36723141	Gmdrm	hypo	CHG	-0.3992
Gm02	36859036	36859343	Gmdrm	hypo	CHG	-0.2159
Gm02	36875242	36875260	Gmdrm	hypo	CHG	-0.566
Gm02	36875851	36876349	Gmdrm	hypo	CHG	-0.5955
Gm02	36877796	36877924	Gmdrm	hypo	CHG	-0.4116
Gm02	36900153	36900187	Gmdrm	hypo	CHG	-0.8067
Gm02	36902687	36902779	Gmdrm	hypo	CHG	-0.29
Gm02	36903332	36903616	Gmdrm	hypo	CHG	-0.6729
Gm02	36903843	36903972	Gmdrm	hypo	CHG	-0.56
Gm02	36908412	36908512	Gmdrm	hypo	CHG	-0.168
Gm02	36908789	36909398	Gmdrm	hypo	CHG	-0.2119
Gm02	36987472	36987484	Gmdrm	hypo	CHG	-0.198
Gm02	37025374	37025727	Gmdrm	hypo	CHG	-0.2247
Gm02	37113445	37113608	Gmdrm	hypo	CHG	-0.1489
Gm02	37143977	37144157	Gmdrm	hypo	CHG	-0.4045
Gm02	37144359	37144831	Gmdrm	hypo	CHG	-0.4844
Gm02	37149902	37149975	Gmdrm	hypo	CHG	-0.0814
Gm02	37427121	37427264	Gmdrm	hypo	CHG	-0.4482
Gm02	37507524	37507709	Gmdrm	hypo	CHG	-0.6206
Gm02	37513000	37513115	Gmdrm	hypo	CHG	-0.049
Gm02	37628562	37628787	Gmdrm	hypo	CHG	-0.1607
Gm02	37708438	37708639	Gmdrm	hypo	CHG	-0.1472
Gm02	37792484	37792640	Gmdrm	hypo	CHG	-0.317
Gm02	37792905	37793128	Gmdrm	hypo	CHG	-0.0884
Gm02	37825856	37825933	Gmdrm	hypo	CHG	-0.4029
Gm02	37942127	37942312	Gmdrm	hypo	CHG	-0.3033
Gm02	38016738	38017043	Gmdrm	hypo	CHG	-0.1185
Gm02	38021895	38022089	Gmdrm	hypo	CHG	-0.1138
Gm02	38022881	38023608	Gmdrm	hypo	CHG	-0.315
Gm02	38056243	38056379	Gmdrm	hypo	CHG	-0.4983
Gm02	38059877	38060062	Gmdrm	hypo	CHG	-0.5043
Gm02	38060284	38060385	Gmdrm	hypo	CHG	-0.325
Gm02	38171244	38171496	Gmdrm	hypo	CHG	-0.4177
Gm02	38171802	38172066	Gmdrm	hypo	CHG	-0.6965
Gm02	38175291	38175385	Gmdrm	hypo	CHG	-0.3466
Gm02	38175550	38175795	Gmdrm	hypo	CHG	-0.0611
Gm02	38191059	38191128	Gmdrm	hypo	CHG	-0.2683
Gm02	38192215	38192393	Gmdrm	hypo	CHG	-0.4057
Gm02	38194651	38194738	Gmdrm	hypo	CHG	-0.515
Gm02	38203869	38203949	Gmdrm	hypo	CHG	-0.5957
Gm02	38256880	38256998	Gmdrm	hypo	CHG	-0.044

Gm02	38264481	38264550	Gmdrm	hypo	CHG	-0.835
Gm02	38264840	38264907	Gmdrm	hypo	CHG	-0.622
Gm02	38267337	38267797	Gmdrm	hypo	CHG	-0.724
Gm02	38268613	38268800	Gmdrm	hypo	CHG	-0.607
Gm02	38270960	38271063	Gmdrm	hypo	CHG	-0.7345
Gm02	38271372	38271617	Gmdrm	hypo	CHG	-0.47
Gm02	38272134	38272455	Gmdrm	hypo	CHG	-0.4547
Gm02	38279302	38279445	Gmdrm	hypo	CHG	-0.6067
Gm02	38285655	38285680	Gmdrm	hypo	CHG	-0.22
Gm02	38310428	38310563	Gmdrm	hypo	CHG	-0.7234
Gm02	38310999	38311120	Gmdrm	hypo	CHG	-0.624
Gm02	38365653	38365854	Gmdrm	hypo	CHG	-0.6055
Gm02	38449325	38449380	Gmdrm	hypo	CHG	-0.672
Gm02	38456131	38456189	Gmdrm	hypo	CHG	-0.8974
Gm02	38456290	38456481	Gmdrm	hypo	CHG	-0.3507
Gm02	38463599	38463779	Gmdrm	hypo	CHG	-0.2525
Gm02	38482433	38482570	Gmdrm	hypo	CHG	-0.09
Gm02	38507854	38507947	Gmdrm	hypo	CHG	-0.6329
Gm02	38508983	38509064	Gmdrm	hypo	CHG	-0.4284
Gm02	38520701	38521055	Gmdrm	hypo	CHG	-0.4263
Gm02	38521213	38521346	Gmdrm	hypo	CHG	-0.2723
Gm02	38540922	38541187	Gmdrm	hypo	CHG	-0.2767
Gm02	38551333	38551589	Gmdrm	hypo	CHG	-0.1852
Gm02	38560134	38560235	Gmdrm	hypo	CHG	-0.2337
Gm02	38579887	38580680	Gmdrm	hypo	CHG	-0.1805
Gm02	38584940	38585228	Gmdrm	hypo	CHG	-0.6429
Gm02	38597903	38597952	Gmdrm	hypo	CHG	-0.2771
Gm02	38603333	38603483	Gmdrm	hypo	CHG	-0.6384
Gm02	38649108	38649298	Gmdrm	hypo	CHG	-0.044
Gm02	38663362	38663677	Gmdrm	hypo	CHG	-0.4614
Gm02	38674755	38674802	Gmdrm	hypo	CHG	-0.3625
Gm02	38712501	38712674	Gmdrm	hypo	CHG	-0.735
Gm02	38729046	38729175	Gmdrm	hypo	CHG	-0.0812
Gm02	38736749	38736818	Gmdrm	hypo	CHG	-0.665
Gm02	38737009	38737149	Gmdrm	hypo	CHG	-0.505
Gm02	38762941	38763289	Gmdrm	hypo	CHG	-0.0754
Gm02	38763393	38764378	Gmdrm	hypo	CHG	-0.0243
Gm02	38783416	38784171	Gmdrm	hypo	CHG	-0.1813
Gm02	38787089	38787226	Gmdrm	hypo	CHG	-0.29
Gm02	38789309	38789637	Gmdrm	hypo	CHG	-0.1406
Gm02	38803017	38803084	Gmdrm	hypo	CHG	-0.345
Gm02	38847305	38847359	Gmdrm	hypo	CHG	-0.388
Gm02	38850768	38850795	Gmdrm	hypo	CHG	-0.502
Gm02	38859110	38859220	Gmdrm	hypo	CHG	-0.5484
Gm02	38859458	38859648	Gmdrm	hypo	CHG	-0.37
Gm02	38861670	38862229	Gmdrm	hypo	CHG	-0.5424

Gm02	38862931	38863060	Gmdrm	hypo	CHG	-0.6333
Gm02	38892403	38893018	Gmdrm	hypo	CHG	-0.6172
Gm02	38931788	38932021	Gmdrm	hypo	CHG	-0.403
Gm02	38964136	38964353	Gmdrm	hypo	CHG	-0.136
Gm02	39053356	39053450	Gmdrm	hypo	CHG	-0.6416
Gm02	39059899	39060111	Gmdrm	hypo	CHG	-0.5147
Gm02	39061881	39062200	Gmdrm	hypo	CHG	-0.6565
Gm02	39090040	39090203	Gmdrm	hypo	CHG	-0.5474
Gm02	39102394	39102593	Gmdrm	hypo	CHG	-0.0657
Gm02	39103366	39103607	Gmdrm	hypo	CHG	-0.3033
Gm02	39129847	39130046	Gmdrm	hypo	CHG	-0.4242
Gm02	39131268	39131361	Gmdrm	hypo	CHG	-0.6915
Gm02	39178245	39178399	Gmdrm	hypo	CHG	-0.4818
Gm02	39178506	39179115	Gmdrm	hypo	CHG	-0.4679
Gm02	39179839	39179940	Gmdrm	hypo	CHG	-0.5933
Gm02	39190223	39190418	Gmdrm	hypo	CHG	-0.4433
Gm02	39194470	39194876	Gmdrm	hypo	CHG	-0.2689
Gm02	39250956	39251534	Gmdrm	hypo	CHG	-0.2008
Gm02	39257242	39257498	Gmdrm	hypo	CHG	-0.251
Gm02	39257907	39258057	Gmdrm	hypo	CHG	-0.5234
Gm02	39261801	39261956	Gmdrm	hypo	CHG	-0.26
Gm02	39290071	39290212	Gmdrm	hypo	CHG	-0.076
Gm02	39298775	39298892	Gmdrm	hypo	CHG	-0.4633
Gm02	39313186	39313227	Gmdrm	hypo	CHG	-0.596
Gm02	39356274	39356577	Gmdrm	hypo	CHG	-0.318
Gm02	39369708	39370064	Gmdrm	hypo	CHG	-0.4705
Gm02	39407499	39407821	Gmdrm	hypo	CHG	-0.4523
Gm02	39444308	39444536	Gmdrm	hypo	CHG	-0.5867
Gm02	39452847	39452920	Gmdrm	hypo	CHG	-0.2538
Gm02	39455974	39456402	Gmdrm	hypo	CHG	-0.6067
Gm02	39459381	39459496	Gmdrm	hypo	CHG	-0.4467
Gm02	39462375	39462784	Gmdrm	hypo	CHG	-0.7733
Gm02	39479155	39479453	Gmdrm	hypo	CHG	-0.58
Gm02	39486362	39486681	Gmdrm	hypo	CHG	-0.7264
Gm02	39486809	39487238	Gmdrm	hypo	CHG	-0.6057
Gm02	39487339	39487574	Gmdrm	hypo	CHG	-0.3471
Gm02	39488597	39488667	Gmdrm	hypo	CHG	-0.7114
Gm02	39489109	39489562	Gmdrm	hypo	CHG	-0.7129
Gm02	39491681	39491821	Gmdrm	hypo	CHG	-0.38
Gm02	39529983	39530488	Gmdrm	hypo	CHG	-0.4664
Gm02	39603712	39604104	Gmdrm	hypo	CHG	-0.2836
Gm02	39605691	39606021	Gmdrm	hypo	CHG	-0.3734
Gm02	39610894	39611027	Gmdrm	hypo	CHG	-0.65
Gm02	39613564	39613608	Gmdrm	hypo	CHG	-0.6634
Gm02	39619607	39619778	Gmdrm	hypo	CHG	-0.0269
Gm02	39620017	39620463	Gmdrm	hypo	CHG	-0.4428

Gm02	39641943	39642025	Gmdrm	hypo	CHG	-0.06
Gm02	39653236	39653297	Gmdrm	hypo	CHG	-0.4783
Gm02	39657833	39657940	Gmdrm	hypo	CHG	-0.166
Gm02	39709095	39709498	Gmdrm	hypo	CHG	-0.5189
Gm02	39709886	39709971	Gmdrm	hypo	CHG	-0.582
Gm02	39712795	39713185	Gmdrm	hypo	CHG	-0.3064
Gm02	39744105	39744822	Gmdrm	hypo	CHG	-0.2152
Gm02	39756992	39757057	Gmdrm	hypo	CHG	-0.6316
Gm02	39758822	39758966	Gmdrm	hypo	CHG	-0.3262
Gm02	39791616	39791638	Gmdrm	hypo	CHG	-0.094
Gm02	39818560	39818729	Gmdrm	hypo	CHG	-0.691
Gm02	39831528	39831778	Gmdrm	hypo	CHG	-0.4506
Gm02	39831945	39831976	Gmdrm	hypo	CHG	-0.27
Gm02	39877686	39877719	Gmdrm	hypo	CHG	-0.0283
Gm02	39922017	39922280	Gmdrm	hypo	CHG	-0.45
Gm02	39923467	39923540	Gmdrm	hypo	CHG	-0.588
Gm02	39923699	39923784	Gmdrm	hypo	CHG	-0.41
Gm02	39924109	39924491	Gmdrm	hypo	CHG	-0.1141
Gm02	39925025	39925510	Gmdrm	hypo	CHG	-0.3179
Gm02	39925743	39925991	Gmdrm	hypo	CHG	-0.65
Gm02	39926507	39926804	Gmdrm	hypo	CHG	-0.5563
Gm02	39935083	39935195	Gmdrm	hypo	CHG	-0.6329
Gm02	39943633	39944075	Gmdrm	hypo	CHG	-0.5315
Gm02	40077435	40077585	Gmdrm	hypo	CHG	-0.7089
Gm02	40104273	40104503	Gmdrm	hypo	CHG	-0.2325
Gm02	40106557	40106587	Gmdrm	hypo	CHG	-0.22
Gm02	40123714	40123837	Gmdrm	hypo	CHG	-0.2574
Gm02	40145651	40145807	Gmdrm	hypo	CHG	-0.3278
Gm02	40145948	40145999	Gmdrm	hypo	CHG	-0.4183
Gm02	40171307	40171421	Gmdrm	hypo	CHG	-0.05
Gm02	40173411	40173451	Gmdrm	hypo	CHG	-0.048
Gm02	40175598	40175824	Gmdrm	hypo	CHG	-0.6537
Gm02	40182018	40182094	Gmdrm	hypo	CHG	-0.28
Gm02	40190400	40190682	Gmdrm	hypo	CHG	-0.1032
Gm02	40190783	40190940	Gmdrm	hypo	CHG	-0.39
Gm02	40191044	40191258	Gmdrm	hypo	CHG	-0.3259
Gm02	40256827	40256960	Gmdrm	hypo	CHG	-0.6251
Gm02	40277912	40278881	Gmdrm	hypo	CHG	-0.1274
Gm02	40278986	40279982	Gmdrm	hypo	CHG	-0.3427
Gm02	40280473	40280914	Gmdrm	hypo	CHG	-0.0727
Gm02	40290624	40290775	Gmdrm	hypo	CHG	-0.47
Gm02	40296406	40296640	Gmdrm	hypo	CHG	-0.8215
Gm02	40311657	40311784	Gmdrm	hypo	CHG	-0.303
Gm02	40330926	40331170	Gmdrm	hypo	CHG	-0.733
Gm02	40339894	40340160	Gmdrm	hypo	CHG	-0.1237
Gm02	40349390	40349870	Gmdrm	hypo	CHG	-0.0333

Gm02	40350978	40351390 Gmdrm	hypo	CHG	-0.046
Gm02	40355140	40355355 Gmdrm	hypo	CHG	-0.4316
Gm02	40378455	40379188 Gmdrm	hypo	CHG	-0.5804
Gm02	40379684	40379738 Gmdrm	hypo	CHG	-0.8078
Gm02	40380357	40380438 Gmdrm	hypo	CHG	-0.9549
Gm02	40382660	40383196 Gmdrm	hypo	CHG	-0.0792
Gm02	40385327	40385633 Gmdrm	hypo	CHG	-0.0336
Gm02	40390193	40390386 Gmdrm	hypo	CHG	-0.5815
Gm02	40392057	40392092 Gmdrm	hypo	CHG	-0.04
Gm02	40396131	40396233 Gmdrm	hypo	CHG	-0.0443
Gm02	40428622	40428928 Gmdrm	hypo	CHG	-0.7428
Gm02	40430436	40430572 Gmdrm	hypo	CHG	-0.31
Gm02	40436143	40436241 Gmdrm	hypo	CHG	-0.0517
Gm02	40436759	40437104 Gmdrm	hypo	CHG	-0.4433
Gm02	40439190	40439204 Gmdrm	hypo	CHG	-0.475
Gm02	40455269	40455452 Gmdrm	hypo	CHG	-0.4222
Gm02	40482546	40483496 Gmdrm	hypo	CHG	-0.6676
Gm02	40484488	40484656 Gmdrm	hypo	CHG	-0.38
Gm02	40536808	40536906 Gmdrm	hypo	CHG	-0.3399
Gm02	40545355	40546041 Gmdrm	hypo	CHG	-0.2088
Gm02	40555914	40556746 Gmdrm	hypo	CHG	-0.1559
Gm02	40562466	40562633 Gmdrm	hypo	CHG	-0.5
Gm02	40582548	40582657 Gmdrm	hypo	CHG	-0.048
Gm02	40590170	40590228 Gmdrm	hypo	CHG	-0.785
Gm02	40591516	40591781 Gmdrm	hypo	CHG	-0.2683
Gm02	40610821	40610872 Gmdrm	hypo	CHG	-0.74
Gm02	40619359	40619514 Gmdrm	hypo	CHG	-0.41
Gm02	40637962	40638299 Gmdrm	hypo	CHG	-0.8
Gm02	40670906	40670990 Gmdrm	hypo	CHG	-0.7422
Gm02	40677821	40677897 Gmdrm	hypo	CHG	-0.566
Gm02	40712569	40712626 Gmdrm	hypo	CHG	-0.8888
Gm02	40713636	40713696 Gmdrm	hypo	CHG	-0.766
Gm02	40722332	40722366 Gmdrm	hypo	CHG	-0.0567
Gm02	40728419	40728829 Gmdrm	hypo	CHG	-0.8005
Gm02	40737821	40738038 Gmdrm	hypo	CHG	-0.76
Gm02	40738142	40738297 Gmdrm	hypo	CHG	-0.8971
Gm02	40760927	40761076 Gmdrm	hypo	CHG	-0.8247
Gm02	40768049	40768215 Gmdrm	hypo	CHG	-0.052
Gm02	40771109	40771190 Gmdrm	hypo	CHG	-0.2837
Gm02	40771632	40771741 Gmdrm	hypo	CHG	-0.2917
Gm02	40776139	40776178 Gmdrm	hypo	CHG	-0.036
Gm02	40776293	40776444 Gmdrm	hypo	CHG	-0.0411
Gm02	40780336	40780449 Gmdrm	hypo	CHG	-0.5117
Gm02	40816009	40816237 Gmdrm	hypo	CHG	-0.73
Gm02	40816976	40817045 Gmdrm	hypo	CHG	-0.4675
Gm02	40817318	40817531 Gmdrm	hypo	CHG	-0.8964

Gm02	40817708	40817863	Gmdrm	hypo	CHG	-0.0466
Gm02	40832330	40832498	Gmdrm	hypo	CHG	-0.595
Gm02	40832658	40832726	Gmdrm	hypo	CHG	-0.705
Gm02	40832845	40832961	Gmdrm	hypo	CHG	-0.532
Gm02	40833270	40833427	Gmdrm	hypo	CHG	-0.58
Gm02	40833629	40833918	Gmdrm	hypo	CHG	-0.0291
Gm02	40841720	40841831	Gmdrm	hypo	CHG	-0.6334
Gm02	40842090	40842364	Gmdrm	hypo	CHG	-0.68
Gm02	40855533	40855660	Gmdrm	hypo	CHG	-0.6633
Gm02	40855817	40855909	Gmdrm	hypo	CHG	-0.55
Gm02	40856711	40856766	Gmdrm	hypo	CHG	-0.538
Gm02	40864427	40864509	Gmdrm	hypo	CHG	-0.584
Gm02	40874891	40875104	Gmdrm	hypo	CHG	-0.3478
Gm02	40875939	40876063	Gmdrm	hypo	CHG	-0.6929
Gm02	40884268	40884406	Gmdrm	hypo	CHG	-0.862
Gm02	40884541	40884730	Gmdrm	hypo	CHG	-0.5062
Gm02	40892415	40893123	Gmdrm	hypo	CHG	-0.1886
Gm02	40925763	40926083	Gmdrm	hypo	CHG	-0.2156
Gm02	40935811	40936059	Gmdrm	hypo	CHG	-0.2182
Gm02	40936340	40936453	Gmdrm	hypo	CHG	-0.3884
Gm02	40936562	40936611	Gmdrm	hypo	CHG	-0.3199
Gm02	40952060	40952213	Gmdrm	hypo	CHG	-0.2392
Gm02	40954566	40954616	Gmdrm	hypo	CHG	-0.7433
Gm02	40954782	40954953	Gmdrm	hypo	CHG	-0.4775
Gm02	40955101	40955228	Gmdrm	hypo	CHG	-0.567
Gm02	40966561	40966960	Gmdrm	hypo	CHG	-0.0295
Gm02	40984441	40984665	Gmdrm	hypo	CHG	-0.2454
Gm02	40984855	40984971	Gmdrm	hypo	CHG	-0.85
Gm02	40994997	40995133	Gmdrm	hypo	CHG	-0.33
Gm02	41005079	41005172	Gmdrm	hypo	CHG	-0.5234
Gm02	41005744	41005989	Gmdrm	hypo	CHG	-0.3044
Gm02	41006150	41006267	Gmdrm	hypo	CHG	-0.025
Gm02	41014725	41014829	Gmdrm	hypo	CHG	-0.93
Gm02	41015007	41015148	Gmdrm	hypo	CHG	-0.885
Gm02	41021365	41021569	Gmdrm	hypo	CHG	-0.76
Gm02	41043591	41043691	Gmdrm	hypo	CHG	-0.488
Gm02	41046972	41047632	Gmdrm	hypo	CHG	-0.2469
Gm02	41054928	41055388	Gmdrm	hypo	CHG	-0.5387
Gm02	41057181	41057441	Gmdrm	hypo	CHG	-0.18
Gm02	41059392	41059973	Gmdrm	hypo	CHG	-0.2609
Gm02	41065481	41065977	Gmdrm	hypo	CHG	-0.3304
Gm02	41082776	41082799	Gmdrm	hypo	CHG	-0.036
Gm02	41098197	41098521	Gmdrm	hypo	CHG	-0.1267
Gm02	41124562	41124822	Gmdrm	hypo	CHG	-0.2693
Gm02	41127000	41127138	Gmdrm	hypo	CHG	-0.6963
Gm02	41163616	41163917	Gmdrm	hypo	CHG	-0.6769

Gm02	41164073	41164110 Gmdrm	hypo	CHG	-0.7329
Gm02	41168679	41168747 Gmdrm	hypo	CHG	-0.725
Gm02	41193984	41194103 Gmdrm	hypo	CHG	-0.5443
Gm02	41195968	41196085 Gmdrm	hypo	CHG	-0.0857
Gm02	41199063	41199147 Gmdrm	hypo	CHG	-0.625
Gm02	41199276	41199561 Gmdrm	hypo	CHG	-0.822
Gm02	41205126	41205279 Gmdrm	hypo	CHG	-0.5388
Gm02	41209838	41209994 Gmdrm	hypo	CHG	-0.366
Gm02	41223544	41223591 Gmdrm	hypo	CHG	-0.574
Gm02	41223872	41223932 Gmdrm	hypo	CHG	-0.6717
Gm02	41246696	41247126 Gmdrm	hypo	CHG	-0.0947
Gm02	41265797	41266197 Gmdrm	hypo	CHG	-0.026
Gm02	41276607	41276734 Gmdrm	hypo	CHG	-0.6334
Gm02	41279517	41280037 Gmdrm	hypo	CHG	-0.2285
Gm02	41283149	41283356 Gmdrm	hypo	CHG	-0.3611
Gm02	41283594	41283684 Gmdrm	hypo	CHG	-0.8709
Gm02	41284572	41284650 Gmdrm	hypo	CHG	-0.0317
Gm02	41296153	41296207 Gmdrm	hypo	CHG	-0.596
Gm02	41302581	41302684 Gmdrm	hypo	CHG	-0.9533
Gm02	41302815	41302955 Gmdrm	hypo	CHG	-0.5043
Gm02	41313404	41313611 Gmdrm	hypo	CHG	-0.04
Gm02	41340101	41340311 Gmdrm	hypo	CHG	-0.12
Gm02	41355775	41356049 Gmdrm	hypo	CHG	-0.3224
Gm02	41368207	41368467 Gmdrm	hypo	CHG	-0.4455
Gm02	41373035	41373328 Gmdrm	hypo	CHG	-0.4234
Gm02	41374757	41375032 Gmdrm	hypo	CHG	-0.3285
Gm02	41394054	41394224 Gmdrm	hypo	CHG	-0.9546
Gm02	41402309	41402443 Gmdrm	hypo	CHG	-0.4214
Gm02	41408648	41408703 Gmdrm	hypo	CHG	-0.382
Gm02	41409062	41409205 Gmdrm	hypo	CHG	-0.2284
Gm02	41421667	41421829 Gmdrm	hypo	CHG	-0.1278
Gm02	41422105	41422435 Gmdrm	hypo	CHG	-0.5465
Gm02	41429768	41429872 Gmdrm	hypo	CHG	-0.072
Gm02	41429978	41430086 Gmdrm	hypo	CHG	-0.6943
Gm02	41440336	41440649 Gmdrm	hypo	CHG	-0.385
Gm02	41455420	41455596 Gmdrm	hypo	CHG	-0.3557
Gm02	41455985	41456524 Gmdrm	hypo	CHG	-0.1758
Gm02	41456777	41457241 Gmdrm	hypo	CHG	-0.3994
Gm02	41464306	41464588 Gmdrm	hypo	CHG	-0.4292
Gm02	41472847	41473065 Gmdrm	hypo	CHG	-0.3341
Gm02	41486323	41486379 Gmdrm	hypo	CHG	-0.0683
Gm02	41486782	41487164 Gmdrm	hypo	CHG	-0.1429
Gm02	41488230	41488445 Gmdrm	hypo	CHG	-0.0389
Gm02	41506649	41506949 Gmdrm	hypo	CHG	-0.7829
Gm02	41513137	41513214 Gmdrm	hypo	CHG	-0.1076
Gm02	41531749	41531826 Gmdrm	hypo	CHG	-0.05

Gm02	41532765	41533039	Gmdrm	hypo	CHG	-0.4915
Gm02	41533177	41533209	Gmdrm	hypo	CHG	-0.56
Gm02	41533921	41534130	Gmdrm	hypo	CHG	-0.5382
Gm02	41534517	41534614	Gmdrm	hypo	CHG	-0.83
Gm02	41534879	41535028	Gmdrm	hypo	CHG	-0.8586
Gm02	41537013	41537765	Gmdrm	hypo	CHG	-0.4108
Gm02	41547498	41548293	Gmdrm	hypo	CHG	-0.1793
Gm02	41549190	41549369	Gmdrm	hypo	CHG	-0.536
Gm02	41555971	41556174	Gmdrm	hypo	CHG	-0.5413
Gm02	41581414	41581621	Gmdrm	hypo	CHG	-0.4789
Gm02	41590261	41590319	Gmdrm	hypo	CHG	-0.076
Gm02	41591980	41592204	Gmdrm	hypo	CHG	-0.5947
Gm02	41601477	41601614	Gmdrm	hypo	CHG	-0.7837
Gm02	41602437	41602492	Gmdrm	hypo	CHG	-0.4684
Gm02	41603969	41604213	Gmdrm	hypo	CHG	-0.3923
Gm02	41605315	41605728	Gmdrm	hypo	CHG	-0.2353
Gm02	41618118	41618158	Gmdrm	hypo	CHG	-0.704
Gm02	41618300	41618420	Gmdrm	hypo	CHG	-0.664
Gm02	41618787	41618922	Gmdrm	hypo	CHG	-0.0886
Gm02	41634406	41634445	Gmdrm	hypo	CHG	-0.7784
Gm02	41645873	41645943	Gmdrm	hypo	CHG	-0.866
Gm02	41656430	41656519	Gmdrm	hypo	CHG	-0.7472
Gm02	41656682	41657153	Gmdrm	hypo	CHG	-0.5638
Gm02	41658631	41658735	Gmdrm	hypo	CHG	-0.6314
Gm02	41658876	41658952	Gmdrm	hypo	CHG	-0.1867
Gm02	41677067	41677175	Gmdrm	hypo	CHG	-0.1634
Gm02	41677953	41678188	Gmdrm	hypo	CHG	-0.4428
Gm02	41681799	41681956	Gmdrm	hypo	CHG	-0.5286
Gm02	41690096	41690493	Gmdrm	hypo	CHG	-0.1944
Gm02	41707379	41707597	Gmdrm	hypo	CHG	-0.4275
Gm02	41730243	41730813	Gmdrm	hypo	CHG	-0.5025
Gm02	41734461	41734502	Gmdrm	hypo	CHG	-0.6033
Gm02	41753649	41753717	Gmdrm	hypo	CHG	-0.7713
Gm02	41753974	41754127	Gmdrm	hypo	CHG	-0.62
Gm02	41761901	41762157	Gmdrm	hypo	CHG	-0.398
Gm02	41762853	41763207	Gmdrm	hypo	CHG	-0.0363
Gm02	41802951	41803081	Gmdrm	hypo	CHG	-0.04
Gm02	41844721	41845285	Gmdrm	hypo	CHG	-0.3986
Gm02	41885408	41885522	Gmdrm	hypo	CHG	-0.7678
Gm02	41896377	41896495	Gmdrm	hypo	CHG	-0.5214
Gm02	41908034	41908138	Gmdrm	hypo	CHG	-0.046
Gm02	41909925	41910095	Gmdrm	hypo	CHG	-0.3259
Gm02	41917816	41918783	Gmdrm	hypo	CHG	-0.1989
Gm02	41918827	41919370	Gmdrm	hypo	CHG	-0.4069
Gm02	41924282	41924594	Gmdrm	hypo	CHG	-0.3285
Gm02	41924808	41924853	Gmdrm	hypo	CHG	-0.3215

Gm02	41938406	41938693	Gmdrm	hypo	CHG	-0.342
Gm02	41941996	41942246	Gmdrm	hypo	CHG	-0.05
Gm02	41943109	41943339	Gmdrm	hypo	CHG	-0.6042
Gm02	41955152	41955504	Gmdrm	hypo	CHG	-0.7639
Gm02	41959528	41959552	Gmdrm	hypo	CHG	-0.48
Gm02	41970175	41970218	Gmdrm	hypo	CHG	-0.49
Gm02	41980453	41980618	Gmdrm	hypo	CHG	-0.2089
Gm02	42039762	42039940	Gmdrm	hypo	CHG	-0.4071
Gm02	42048866	42049140	Gmdrm	hypo	CHG	-0.4254
Gm02	42068756	42068966	Gmdrm	hypo	CHG	-0.06
Gm02	42089334	42089496	Gmdrm	hypo	CHG	-0.4146
Gm02	42134249	42134539	Gmdrm	hypo	CHG	-0.6406
Gm02	42134662	42134789	Gmdrm	hypo	CHG	-0.0285
Gm02	42145251	42145392	Gmdrm	hypo	CHG	-0.5082
Gm02	42147876	42147986	Gmdrm	hypo	CHG	-0.234
Gm02	42148361	42148375	Gmdrm	hypo	CHG	-0.2034
Gm02	42168738	42168922	Gmdrm	hypo	CHG	-0.115
Gm02	42169374	42169545	Gmdrm	hypo	CHG	-0.54
Gm02	42207802	42207991	Gmdrm	hypo	CHG	-0.4542
Gm02	42216290	42216851	Gmdrm	hypo	CHG	-0.2498
Gm02	42220477	42220869	Gmdrm	hypo	CHG	-0.8376
Gm02	42221227	42221254	Gmdrm	hypo	CHG	-0.542
Gm02	42221362	42221497	Gmdrm	hypo	CHG	-0.5284
Gm02	42256749	42256790	Gmdrm	hypo	CHG	-0.554
Gm02	42262293	42262689	Gmdrm	hypo	CHG	-0.0373
Gm02	42314649	42314730	Gmdrm	hypo	CHG	-0.23
Gm02	42327873	42328105	Gmdrm	hypo	CHG	-0.4523
Gm02	42331207	42331274	Gmdrm	hypo	CHG	-0.1833
Gm02	42351453	42351581	Gmdrm	hypo	CHG	-0.3786
Gm02	42361126	42361514	Gmdrm	hypo	CHG	-0.3069
Gm02	42361649	42362012	Gmdrm	hypo	CHG	-0.533
Gm02	42362617	42362933	Gmdrm	hypo	CHG	-0.7712
Gm02	42368416	42368437	Gmdrm	hypo	CHG	-0.43
Gm02	42386683	42386973	Gmdrm	hypo	CHG	-0.4777
Gm02	42401933	42402184	Gmdrm	hypo	CHG	-0.5
Gm02	42439821	42439979	Gmdrm	hypo	CHG	-0.76
Gm02	42440086	42440217	Gmdrm	hypo	CHG	-0.092
Gm02	42449698	42449741	Gmdrm	hypo	CHG	-0.084
Gm02	42460771	42461134	Gmdrm	hypo	CHG	-0.3075
Gm02	42462659	42462778	Gmdrm	hypo	CHG	-0.4913
Gm02	42464788	42464833	Gmdrm	hypo	CHG	-0.6829
Gm02	42466403	42466622	Gmdrm	hypo	CHG	-0.4009
Gm02	42468525	42468771	Gmdrm	hypo	CHG	-0.3426
Gm02	42468978	42469072	Gmdrm	hypo	CHG	-0.434
Gm02	42471784	42472029	Gmdrm	hypo	CHG	-0.462
Gm02	42485852	42486058	Gmdrm	hypo	CHG	-0.08

Gm02	42488185	42488264	Gmdrm	hypo	CHG	-0.0983
Gm02	42497647	42497999	Gmdrm	hypo	CHG	-0.3809
Gm02	42515508	42515535	Gmdrm	hypo	CHG	-0.7483
Gm02	42518351	42518552	Gmdrm	hypo	CHG	-0.2911
Gm02	42521187	42521285	Gmdrm	hypo	CHG	-0.234
Gm02	42523137	42523280	Gmdrm	hypo	CHG	-0.6825
Gm02	42523384	42523647	Gmdrm	hypo	CHG	-0.6883
Gm02	42530642	42530780	Gmdrm	hypo	CHG	-0.0357
Gm02	42534584	42534705	Gmdrm	hypo	CHG	-0.0461
Gm02	42535705	42535925	Gmdrm	hypo	CHG	-0.2778
Gm02	42540737	42540842	Gmdrm	hypo	CHG	-0.0743
Gm02	42557200	42557318	Gmdrm	hypo	CHG	-0.4417
Gm02	42571672	42572158	Gmdrm	hypo	CHG	-0.2823
Gm02	42582092	42582283	Gmdrm	hypo	CHG	-0.6589
Gm02	42582404	42582539	Gmdrm	hypo	CHG	-0.42
Gm02	42585932	42586047	Gmdrm	hypo	CHG	-0.715
Gm02	42588700	42588872	Gmdrm	hypo	CHG	-0.914
Gm02	42594821	42595010	Gmdrm	hypo	CHG	-0.854
Gm02	42621261	42621697	Gmdrm	hypo	CHG	-0.4632
Gm02	42644826	42644914	Gmdrm	hypo	CHG	-0.6917
Gm02	42656695	42657019	Gmdrm	hypo	CHG	-0.059
Gm02	42671180	42671273	Gmdrm	hypo	CHG	-0.1767
Gm02	42671643	42671909	Gmdrm	hypo	CHG	-0.1395
Gm02	42701033	42701240	Gmdrm	hypo	CHG	-0.4075
Gm02	42701373	42701570	Gmdrm	hypo	CHG	-0.9283
Gm02	42704629	42704694	Gmdrm	hypo	CHG	-0.0414
Gm02	42706967	42707274	Gmdrm	hypo	CHG	-0.638
Gm02	42707387	42707468	Gmdrm	hypo	CHG	-0.7471
Gm02	42707573	42707661	Gmdrm	hypo	CHG	-0.3182
Gm02	42711654	42711886	Gmdrm	hypo	CHG	-0.754
Gm02	42712380	42712729	Gmdrm	hypo	CHG	-0.6324
Gm02	42713432	42713644	Gmdrm	hypo	CHG	-0.46
Gm02	42724995	42725099	Gmdrm	hypo	CHG	-0.0271
Gm02	42743764	42744030	Gmdrm	hypo	CHG	-0.1956
Gm02	42744131	42744309	Gmdrm	hypo	CHG	-0.1788
Gm02	42751942	42752022	Gmdrm	hypo	CHG	-0.51
Gm02	42752261	42752363	Gmdrm	hypo	CHG	-0.3784
Gm02	42753936	42754163	Gmdrm	hypo	CHG	-0.1462
Gm02	42759577	42759697	Gmdrm	hypo	CHG	-0.8313
Gm02	42759885	42760090	Gmdrm	hypo	CHG	-0.7543
Gm02	42762714	42762848	Gmdrm	hypo	CHG	-0.065
Gm02	42773832	42773987	Gmdrm	hypo	CHG	-0.63
Gm02	42774103	42774216	Gmdrm	hypo	CHG	-0.425
Gm02	42774667	42774966	Gmdrm	hypo	CHG	-0.2862
Gm02	42775070	42775270	Gmdrm	hypo	CHG	-0.4518
Gm02	42780644	42780827	Gmdrm	hypo	CHG	-0.1066

Gm02	42781049	42781647	Gmdrm	hypo	CHG	-0.22
Gm02	42786644	42786727	Gmdrm	hypo	CHG	-0.62
Gm02	42787761	42787839	Gmdrm	hypo	CHG	-0.5672
Gm02	42788403	42788499	Gmdrm	hypo	CHG	-0.4917
Gm02	42788929	42789027	Gmdrm	hypo	CHG	-0.445
Gm02	42789375	42789464	Gmdrm	hypo	CHG	-0.198
Gm02	42790831	42791123	Gmdrm	hypo	CHG	-0.5232
Gm02	42791348	42791562	Gmdrm	hypo	CHG	-0.3991
Gm02	42791978	42792142	Gmdrm	hypo	CHG	-0.4267
Gm02	42802616	42802651	Gmdrm	hypo	CHG	-0.6683
Gm02	42802933	42802966	Gmdrm	hypo	CHG	-0.47
Gm02	42805561	42805604	Gmdrm	hypo	CHG	-0.56
Gm02	42832632	42832730	Gmdrm	hypo	CHG	-0.052
Gm02	42870688	42870903	Gmdrm	hypo	CHG	-0.6154
Gm02	42902194	42902375	Gmdrm	hypo	CHG	-0.03
Gm02	42906658	42906802	Gmdrm	hypo	CHG	-0.6417
Gm02	42907235	42907322	Gmdrm	hypo	CHG	-0.81
Gm02	42944846	42945074	Gmdrm	hypo	CHG	-0.0944
Gm02	42954744	42954839	Gmdrm	hypo	CHG	-0.1163
Gm02	42955022	42955412	Gmdrm	hypo	CHG	-0.2653
Gm02	42966219	42966403	Gmdrm	hypo	CHG	-0.4974
Gm02	42993864	42994063	Gmdrm	hypo	CHG	-0.8084
Gm02	43005971	43006052	Gmdrm	hypo	CHG	-0.6337
Gm02	43015298	43015639	Gmdrm	hypo	CHG	-0.3041
Gm02	43019148	43019471	Gmdrm	hypo	CHG	-0.6835
Gm02	43021732	43021897	Gmdrm	hypo	CHG	-0.0525
Gm02	43031411	43031646	Gmdrm	hypo	CHG	-0.38
Gm02	43038343	43038473	Gmdrm	hypo	CHG	-0.2545
Gm02	43046157	43046442	Gmdrm	hypo	CHG	-0.4367
Gm02	43046702	43047106	Gmdrm	hypo	CHG	-0.6406
Gm02	43047393	43047500	Gmdrm	hypo	CHG	-0.0422
Gm02	43058314	43058370	Gmdrm	hypo	CHG	-0.4572
Gm02	43066071	43066280	Gmdrm	hypo	CHG	-0.6322
Gm02	43081506	43081959	Gmdrm	hypo	CHG	-0.5705
Gm02	43082574	43082701	Gmdrm	hypo	CHG	-0.386
Gm02	43095028	43095199	Gmdrm	hypo	CHG	-0.0771
Gm02	43109764	43109929	Gmdrm	hypo	CHG	-0.0362
Gm02	43121922	43121984	Gmdrm	hypo	CHG	-0.4033
Gm02	43133488	43133670	Gmdrm	hypo	CHG	-0.0275
Gm02	43174892	43174992	Gmdrm	hypo	CHG	-0.8067
Gm02	43175649	43176094	Gmdrm	hypo	CHG	-0.3338
Gm02	43176215	43176641	Gmdrm	hypo	CHG	-0.5558
Gm02	43177405	43177730	Gmdrm	hypo	CHG	-0.7131
Gm02	43195575	43195635	Gmdrm	hypo	CHG	-0.2383
Gm02	43196242	43196309	Gmdrm	hypo	CHG	-0.7688
Gm02	43253620	43253824	Gmdrm	hypo	CHG	-0.4643

Gm02	43276810	43277060	Gmdrm	hypo	CHG	-0.0433
Gm02	43287387	43287639	Gmdrm	hypo	CHG	-0.7933
Gm02	43287765	43287934	Gmdrm	hypo	CHG	-0.0438
Gm02	43291561	43291783	Gmdrm	hypo	CHG	-0.5846
Gm02	43306736	43306887	Gmdrm	hypo	CHG	-0.7473
Gm02	43307046	43307196	Gmdrm	hypo	CHG	-0.81
Gm02	43346838	43346913	Gmdrm	hypo	CHG	-0.524
Gm02	43355904	43355996	Gmdrm	hypo	CHG	-0.6216
Gm02	43356396	43356834	Gmdrm	hypo	CHG	-0.6881
Gm02	43356998	43357041	Gmdrm	hypo	CHG	-0.66
Gm02	43358130	43358200	Gmdrm	hypo	CHG	-0.7067
Gm02	43358329	43358886	Gmdrm	hypo	CHG	-0.68
Gm02	43362048	43362202	Gmdrm	hypo	CHG	-0.05
Gm02	43364398	43364720	Gmdrm	hypo	CHG	-0.7336
Gm02	43366404	43366622	Gmdrm	hypo	CHG	-0.4234
Gm02	43398578	43398728	Gmdrm	hypo	CHG	-0.5966
Gm02	43404302	43405137	Gmdrm	hypo	CHG	-0.3237
Gm02	43428978	43429390	Gmdrm	hypo	CHG	-0.8186
Gm02	43429879	43429966	Gmdrm	hypo	CHG	-0.35
Gm02	43443590	43443730	Gmdrm	hypo	CHG	-0.49
Gm02	43445874	43446009	Gmdrm	hypo	CHG	-0.0766
Gm02	43449449	43449565	Gmdrm	hypo	CHG	-0.05
Gm02	43450473	43450667	Gmdrm	hypo	CHG	-0.0367
Gm02	43462875	43463347	Gmdrm	hypo	CHG	-0.0375
Gm02	43463456	43463574	Gmdrm	hypo	CHG	-0.545
Gm02	43473273	43473519	Gmdrm	hypo	CHG	-0.5145
Gm02	43480902	43481200	Gmdrm	hypo	CHG	-0.4782
Gm02	43481449	43481647	Gmdrm	hypo	CHG	-0.5367
Gm02	43483145	43483498	Gmdrm	hypo	CHG	-0.3833
Gm02	43484324	43484439	Gmdrm	hypo	CHG	-0.03
Gm02	43496917	43497029	Gmdrm	hypo	CHG	-0.5929
Gm02	43511031	43511229	Gmdrm	hypo	CHG	-0.9106
Gm02	43511519	43511554	Gmdrm	hypo	CHG	-0.7817
Gm02	43525523	43525607	Gmdrm	hypo	CHG	-0.06
Gm02	43529778	43529816	Gmdrm	hypo	CHG	-0.576
Gm02	43532083	43532206	Gmdrm	hypo	CHG	-0.326
Gm02	43549777	43550772	Gmdrm	hypo	CHG	-0.2158
Gm02	43555396	43556083	Gmdrm	hypo	CHG	-0.0506
Gm02	43557199	43558195	Gmdrm	hypo	CHG	-0.1928
Gm02	43558864	43559336	Gmdrm	hypo	CHG	-0.07
Gm02	43588775	43589069	Gmdrm	hypo	CHG	-0.8064
Gm02	43609758	43610026	Gmdrm	hypo	CHG	-0.4656
Gm02	43610130	43610216	Gmdrm	hypo	CHG	-0.74
Gm02	43624226	43624643	Gmdrm	hypo	CHG	-0.47
Gm02	43627234	43627441	Gmdrm	hypo	CHG	-0.052
Gm02	43630789	43630913	Gmdrm	hypo	CHG	-0.8856

Gm02	43631374	43631416 Gmdrm	hypo	CHG	-0.64
Gm02	43672398	43673397 Gmdrm	hypo	CHG	-0.2275
Gm02	43692590	43692630 Gmdrm	hypo	CHG	-0.7683
Gm02	43692797	43692858 Gmdrm	hypo	CHG	-0.542
Gm02	43700108	43700985 Gmdrm	hypo	CHG	-0.2783
Gm02	43727342	43727565 Gmdrm	hypo	CHG	-0.3582
Gm02	43733004	43733130 Gmdrm	hypo	CHG	-0.07
Gm02	43733331	43733972 Gmdrm	hypo	CHG	-0.2427
Gm02	43736341	43736531 Gmdrm	hypo	CHG	-0.338
Gm02	43763917	43764213 Gmdrm	hypo	CHG	-0.3288
Gm02	43764329	43764502 Gmdrm	hypo	CHG	-0.2064
Gm02	43764790	43764915 Gmdrm	hypo	CHG	-0.298
Gm02	43775749	43775962 Gmdrm	hypo	CHG	-0.5977
Gm02	43777476	43777561 Gmdrm	hypo	CHG	-0.604
Gm02	43779074	43779195 Gmdrm	hypo	CHG	-0.4791
Gm02	43801902	43802077 Gmdrm	hypo	CHG	-0.86
Gm02	43850665	43850711 Gmdrm	hypo	CHG	-0.8783
Gm02	43856507	43857046 Gmdrm	hypo	CHG	-0.621
Gm02	43857172	43857267 Gmdrm	hypo	CHG	-0.058
Gm02	43937418	43937814 Gmdrm	hypo	CHG	-0.5622
Gm02	43939618	43939708 Gmdrm	hypo	CHG	-0.432
Gm02	43953119	43953232 Gmdrm	hypo	CHG	-0.5067
Gm02	43954024	43954158 Gmdrm	hypo	CHG	-0.5887
Gm02	43960248	43960420 Gmdrm	hypo	CHG	-0.0413
Gm02	43998491	43999096 Gmdrm	hypo	CHG	-0.5876
Gm02	43999201	43999271 Gmdrm	hypo	CHG	-0.6633
Gm02	43999410	43999502 Gmdrm	hypo	CHG	-0.7583
Gm02	43999605	43999656 Gmdrm	hypo	CHG	-0.802
Gm02	44003581	44003958 Gmdrm	hypo	CHG	-0.0589
Gm02	44031777	44032213 Gmdrm	hypo	CHG	-0.615
Gm02	44044378	44044990 Gmdrm	hypo	CHG	-0.1517
Gm02	44057056	44057144 Gmdrm	hypo	CHG	-0.095
Gm02	44071768	44071950 Gmdrm	hypo	CHG	-0.3475
Gm02	44085259	44085434 Gmdrm	hypo	CHG	-0.042
Gm02	44090544	44090663 Gmdrm	hypo	CHG	-0.184
Gm02	44127610	44128011 Gmdrm	hypo	CHG	-0.056
Gm02	44130452	44130755 Gmdrm	hypo	CHG	-0.0667
Gm02	44164471	44164599 Gmdrm	hypo	CHG	-0.7987
Gm02	44182139	44182226 Gmdrm	hypo	CHG	-0.526
Gm02	44182411	44182514 Gmdrm	hypo	CHG	-0.8762
Gm02	44182620	44182671 Gmdrm	hypo	CHG	-0.61
Gm02	44184930	44185005 Gmdrm	hypo	CHG	-0.3656
Gm02	44188334	44188456 Gmdrm	hypo	CHG	-0.14
Gm02	44208305	44208479 Gmdrm	hypo	CHG	-0.0543
Gm02	44223943	44224054 Gmdrm	hypo	CHG	-0.0663
Gm02	44232314	44232796 Gmdrm	hypo	CHG	-0.5858

Gm02	44233521	44233906	Gmdrm	hypo	CHG	-0.594
Gm02	44236387	44236716	Gmdrm	hypo	CHG	-0.6536
Gm02	44237606	44237682	Gmdrm	hypo	CHG	-0.675
Gm02	44252663	44253040	Gmdrm	hypo	CHG	-0.6247
Gm02	44255817	44255845	Gmdrm	hypo	CHG	-0.2717
Gm02	44262276	44262590	Gmdrm	hypo	CHG	-0.6577
Gm02	44263751	44264262	Gmdrm	hypo	CHG	-0.6579
Gm02	44271421	44271550	Gmdrm	hypo	CHG	-0.056
Gm02	44290843	44291147	Gmdrm	hypo	CHG	-0.0324
Gm02	44295186	44295337	Gmdrm	hypo	CHG	-0.0343
Gm02	44333055	44333278	Gmdrm	hypo	CHG	-0.06
Gm02	44366460	44366554	Gmdrm	hypo	CHG	-0.0362
Gm02	44366955	44367077	Gmdrm	hypo	CHG	-0.356
Gm02	44367404	44367803	Gmdrm	hypo	CHG	-0.242
Gm02	44379579	44379645	Gmdrm	hypo	CHG	-0.5517
Gm02	44392245	44392345	Gmdrm	hypo	CHG	-0.2578
Gm02	44403716	44404002	Gmdrm	hypo	CHG	-0.2407
Gm02	44406996	44407072	Gmdrm	hypo	CHG	-0.1967
Gm02	44413844	44413902	Gmdrm	hypo	CHG	-0.058
Gm02	44419410	44419753	Gmdrm	hypo	CHG	-0.3821
Gm02	44421460	44421668	Gmdrm	hypo	CHG	-0.44
Gm02	44421822	44422050	Gmdrm	hypo	CHG	-0.3706
Gm02	44423715	44423943	Gmdrm	hypo	CHG	-0.6618
Gm02	44424272	44424359	Gmdrm	hypo	CHG	-0.756
Gm02	44424461	44424653	Gmdrm	hypo	CHG	-0.721
Gm02	44434990	44435338	Gmdrm	hypo	CHG	-0.57
Gm02	44450279	44450804	Gmdrm	hypo	CHG	-0.5389
Gm02	44458705	44458945	Gmdrm	hypo	CHG	-0.2618
Gm02	44460801	44461105	Gmdrm	hypo	CHG	-0.3793
Gm02	44480797	44481116	Gmdrm	hypo	CHG	-0.7596
Gm02	44489541	44489636	Gmdrm	hypo	CHG	-0.0717
Gm02	44490238	44490482	Gmdrm	hypo	CHG	-0.04
Gm02	44490852	44491188	Gmdrm	hypo	CHG	-0.7311
Gm02	44491397	44491547	Gmdrm	hypo	CHG	-0.5034
Gm02	44491661	44492055	Gmdrm	hypo	CHG	-0.451
Gm02	44492165	44492460	Gmdrm	hypo	CHG	-0.7651
Gm02	44493613	44494010	Gmdrm	hypo	CHG	-0.3917
Gm02	44500083	44500404	Gmdrm	hypo	CHG	-0.7345
Gm02	44500506	44500673	Gmdrm	hypo	CHG	-0.8833
Gm02	44522391	44522965	Gmdrm	hypo	CHG	-0.6087
Gm02	44523080	44523308	Gmdrm	hypo	CHG	-0.4496
Gm02	44523702	44524282	Gmdrm	hypo	CHG	-0.5696
Gm02	44536383	44536516	Gmdrm	hypo	CHG	-0.6064
Gm02	44549201	44549314	Gmdrm	hypo	CHG	-0.7733
Gm02	44549429	44549543	Gmdrm	hypo	CHG	-0.8084
Gm02	44562314	44562406	Gmdrm	hypo	CHG	-0.035

Gm02	44574827	44575070 Gmdrm	hypo	CHG	-0.4423
Gm02	44579894	44580028 Gmdrm	hypo	CHG	-0.0691
Gm02	44580772	44581346 Gmdrm	hypo	CHG	-0.8103
Gm02	44584465	44584483 Gmdrm	hypo	CHG	-0.2489
Gm02	44584777	44585041 Gmdrm	hypo	CHG	-0.068
Gm02	44627920	44628252 Gmdrm	hypo	CHG	-0.6455
Gm02	44632368	44632683 Gmdrm	hypo	CHG	-0.8691
Gm02	44633085	44633407 Gmdrm	hypo	CHG	-0.8273
Gm02	44635284	44635679 Gmdrm	hypo	CHG	-0.41
Gm02	44638464	44638850 Gmdrm	hypo	CHG	-0.2952
Gm02	44639000	44639142 Gmdrm	hypo	CHG	-0.4725
Gm02	44656620	44656739 Gmdrm	hypo	CHG	-0.4457
Gm02	44675836	44675994 Gmdrm	hypo	CHG	-0.0314
Gm02	44680218	44680265 Gmdrm	hypo	CHG	-0.584
Gm02	44680510	44680724 Gmdrm	hypo	CHG	-0.8334
Gm02	44711105	44711486 Gmdrm	hypo	CHG	-0.3716
Gm02	44711589	44711663 Gmdrm	hypo	CHG	-0.8
Gm02	44720247	44720547 Gmdrm	hypo	CHG	-0.3785
Gm02	44720875	44721321 Gmdrm	hypo	CHG	-0.6396
Gm02	44748438	44748604 Gmdrm	hypo	CHG	-0.6625
Gm02	44748738	44748820 Gmdrm	hypo	CHG	-0.665
Gm02	44772192	44772471 Gmdrm	hypo	CHG	-0.1936
Gm02	44776599	44776959 Gmdrm	hypo	CHG	-0.6119
Gm02	44777076	44777343 Gmdrm	hypo	CHG	-0.5646
Gm02	44777846	44777927 Gmdrm	hypo	CHG	-0.5914
Gm02	44778028	44778963 Gmdrm	hypo	CHG	-0.2996
Gm02	44779064	44779586 Gmdrm	hypo	CHG	-0.3084
Gm02	44780090	44780317 Gmdrm	hypo	CHG	-0.5629
Gm02	44789231	44789428 Gmdrm	hypo	CHG	-0.0267
Gm02	44798014	44798225 Gmdrm	hypo	CHG	-0.8186
Gm02	44798931	44799091 Gmdrm	hypo	CHG	-0.9225
Gm02	44805004	44805143 Gmdrm	hypo	CHG	-0.2159
Gm02	44805329	44805518 Gmdrm	hypo	CHG	-0.0989
Gm02	44810964	44811156 Gmdrm	hypo	CHG	-0.028
Gm02	44829401	44829662 Gmdrm	hypo	CHG	-0.7685
Gm02	44834675	44834965 Gmdrm	hypo	CHG	-0.7695
Gm02	44837541	44837573 Gmdrm	hypo	CHG	-0.7114
Gm02	44863959	44864326 Gmdrm	hypo	CHG	-0.6392
Gm02	44875703	44876036 Gmdrm	hypo	CHG	-0.1032
Gm02	44910761	44910933 Gmdrm	hypo	CHG	-0.6662
Gm02	44911036	44911174 Gmdrm	hypo	CHG	-0.7488
Gm02	44926782	44927118 Gmdrm	hypo	CHG	-0.2525
Gm02	44935129	44935361 Gmdrm	hypo	CHG	-0.8382
Gm02	44936018	44936103 Gmdrm	hypo	CHG	-0.4833
Gm02	44936718	44936961 Gmdrm	hypo	CHG	-0.7283
Gm02	44949312	44949769 Gmdrm	hypo	CHG	-0.789

Gm02	44953855	44954033	Gmdrm	hypo	CHG	-0.062
Gm02	44990949	44991185	Gmdrm	hypo	CHG	-0.0456
Gm02	44992092	44992537	Gmdrm	hypo	CHG	-0.2259
Gm02	45009160	45009392	Gmdrm	hypo	CHG	-0.034
Gm02	45016789	45017013	Gmdrm	hypo	CHG	-0.048
Gm02	45019627	45019765	Gmdrm	hypo	CHG	-0.625
Gm02	45023517	45023635	Gmdrm	hypo	CHG	-0.37
Gm02	45056965	45057105	Gmdrm	hypo	CHG	-0.722
Gm02	45057349	45057445	Gmdrm	hypo	CHG	-0.8313
Gm02	45065484	45065769	Gmdrm	hypo	CHG	-0.02
Gm02	45066605	45067028	Gmdrm	hypo	CHG	-0.5785
Gm02	45067885	45067961	Gmdrm	hypo	CHG	-0.875
Gm02	45110627	45110996	Gmdrm	hypo	CHG	-0.2614
Gm02	45111841	45111900	Gmdrm	hypo	CHG	-0.5117
Gm02	45136961	45137178	Gmdrm	hypo	CHG	-0.8025
Gm02	45144161	45144268	Gmdrm	hypo	CHG	-0.425
Gm02	45164120	45164160	Gmdrm	hypo	CHG	-0.2012
Gm02	45175829	45175932	Gmdrm	hypo	CHG	-0.624
Gm02	45176102	45176271	Gmdrm	hypo	CHG	-0.498
Gm02	45177594	45177844	Gmdrm	hypo	CHG	-0.7365
Gm02	45178088	45178115	Gmdrm	hypo	CHG	-0.694
Gm02	45183776	45183904	Gmdrm	hypo	CHG	-0.058
Gm02	45187541	45187705	Gmdrm	hypo	CHG	-0.5072
Gm02	45189067	45189451	Gmdrm	hypo	CHG	-0.4983
Gm02	45190838	45190931	Gmdrm	hypo	CHG	-0.546
Gm02	45192515	45192940	Gmdrm	hypo	CHG	-0.6077
Gm02	45204947	45205062	Gmdrm	hypo	CHG	-0.0366
Gm02	45243177	45243189	Gmdrm	hypo	CHG	-0.15
Gm02	45259209	45259782	Gmdrm	hypo	CHG	-0.4282
Gm02	45260153	45260220	Gmdrm	hypo	CHG	-0.55
Gm02	45261911	45261965	Gmdrm	hypo	CHG	-0.0675
Gm02	45290775	45291008	Gmdrm	hypo	CHG	-0.036
Gm02	45301487	45301584	Gmdrm	hypo	CHG	-0.7243
Gm02	45305341	45305603	Gmdrm	hypo	CHG	-0.0929
Gm02	45332816	45332948	Gmdrm	hypo	CHG	-0.8728
Gm02	45340531	45340635	Gmdrm	hypo	CHG	-0.1767
Gm02	45342805	45343508	Gmdrm	hypo	CHG	-0.0569
Gm02	45353243	45353856	Gmdrm	hypo	CHG	-0.8577
Gm02	45376040	45376226	Gmdrm	hypo	CHG	-0.042
Gm02	45385642	45385782	Gmdrm	hypo	CHG	-0.668
Gm02	45390824	45391337	Gmdrm	hypo	CHG	-0.0287
Gm02	45441425	45441561	Gmdrm	hypo	CHG	-0.06
Gm02	45445451	45445507	Gmdrm	hypo	CHG	-0.7413
Gm02	45459176	45459414	Gmdrm	hypo	CHG	-0.815
Gm02	45460501	45460785	Gmdrm	hypo	CHG	-0.3164
Gm02	45485166	45485311	Gmdrm	hypo	CHG	-0.6186

Gm02	45499379	45499490	Gmdrm	hypo	CHG	-0.55
Gm02	45502531	45502579	Gmdrm	hypo	CHG	-0.4433
Gm02	45508236	45508581	Gmdrm	hypo	CHG	-0.6607
Gm02	45510398	45510630	Gmdrm	hypo	CHG	-0.7488
Gm02	45511161	45511354	Gmdrm	hypo	CHG	-0.604
Gm02	45532431	45532694	Gmdrm	hypo	CHG	-0.3608
Gm02	45532977	45533075	Gmdrm	hypo	CHG	-0.858
Gm02	45533184	45533234	Gmdrm	hypo	CHG	-0.8067
Gm02	45535399	45535545	Gmdrm	hypo	CHG	-0.3737
Gm02	45593438	45593546	Gmdrm	hypo	CHG	-0.036
Gm02	45599144	45599243	Gmdrm	hypo	CHG	-0.4675
Gm02	45605453	45605663	Gmdrm	hypo	CHG	-0.3171
Gm02	45624673	45624716	Gmdrm	hypo	CHG	-0.464
Gm02	45624860	45625062	Gmdrm	hypo	CHG	-0.402
Gm02	45670652	45671487	Gmdrm	hypo	CHG	-0.03
Gm02	45689852	45690067	Gmdrm	hypo	CHG	-0.2786
Gm02	45712673	45712861	Gmdrm	hypo	CHG	-0.3415
Gm02	45716914	45717291	Gmdrm	hypo	CHG	-0.0286
Gm02	45730634	45730805	Gmdrm	hypo	CHG	-0.0867
Gm02	45753082	45753200	Gmdrm	hypo	CHG	-0.5162
Gm02	45753303	45753598	Gmdrm	hypo	CHG	-0.3436
Gm02	45756952	45757158	Gmdrm	hypo	CHG	-0.0492
Gm02	45765643	45765773	Gmdrm	hypo	CHG	-0.732
Gm02	45765885	45766209	Gmdrm	hypo	CHG	-0.7263
Gm02	45781387	45781607	Gmdrm	hypo	CHG	-0.05
Gm02	45784509	45784756	Gmdrm	hypo	CHG	-0.47
Gm02	45784860	45785022	Gmdrm	hypo	CHG	-0.56
Gm02	45785334	45785479	Gmdrm	hypo	CHG	-0.1943
Gm02	45809741	45810006	Gmdrm	hypo	CHG	-0.843
Gm02	45838616	45839034	Gmdrm	hypo	CHG	-0.2687
Gm02	45845422	45845569	Gmdrm	hypo	CHG	-0.066
Gm02	45861182	45861710	Gmdrm	hypo	CHG	-0.3019
Gm02	45862225	45862555	Gmdrm	hypo	CHG	-0.172
Gm02	45868547	45868656	Gmdrm	hypo	CHG	-0.2729
Gm02	45912435	45912660	Gmdrm	hypo	CHG	-0.04
Gm02	45923031	45923294	Gmdrm	hypo	CHG	-0.04
Gm02	45931429	45931502	Gmdrm	hypo	CHG	-0.8275
Gm02	45931689	45931744	Gmdrm	hypo	CHG	-0.8962
Gm02	45932193	45932670	Gmdrm	hypo	CHG	-0.29
Gm02	45937511	45937902	Gmdrm	hypo	CHG	-0.2
Gm02	45945870	45946005	Gmdrm	hypo	CHG	-0.3983
Gm02	45957697	45958363	Gmdrm	hypo	CHG	-0.3821
Gm02	45960382	45960683	Gmdrm	hypo	CHG	-0.0444
Gm02	45962043	45962219	Gmdrm	hypo	CHG	-0.0672
Gm02	45966213	45966749	Gmdrm	hypo	CHG	-0.8794
Gm02	45967071	45967167	Gmdrm	hypo	CHG	-0.0743

Gm02	45978029	45978194	Gmdrm	hypo	CHG	-0.0284
Gm02	46000852	46001039	Gmdrm	hypo	CHG	-0.058
Gm02	46008269	46008649	Gmdrm	hypo	CHG	-0.8074
Gm02	46009334	46009384	Gmdrm	hypo	CHG	-0.574
Gm02	46009678	46009758	Gmdrm	hypo	CHG	-0.66
Gm02	46009881	46009943	Gmdrm	hypo	CHG	-0.726
Gm02	46030378	46030398	Gmdrm	hypo	CHG	-0.0983
Gm02	46033996	46034133	Gmdrm	hypo	CHG	-0.214
Gm02	46043450	46043640	Gmdrm	hypo	CHG	-0.07
Gm02	46066207	46066363	Gmdrm	hypo	CHG	-0.423
Gm02	46066675	46066764	Gmdrm	hypo	CHG	-0.2716
Gm02	46081538	46082016	Gmdrm	hypo	CHG	-0.4104
Gm02	46085015	46085165	Gmdrm	hypo	CHG	-0.6999
Gm02	46111004	46111421	Gmdrm	hypo	CHG	-0.0329
Gm02	46119859	46120206	Gmdrm	hypo	CHG	-0.815
Gm02	46135482	46135695	Gmdrm	hypo	CHG	-0.0612
Gm02	46139120	46139370	Gmdrm	hypo	CHG	-0.075
Gm02	46141426	46141548	Gmdrm	hypo	CHG	-0.4466
Gm02	46141679	46141782	Gmdrm	hypo	CHG	-0.9133
Gm02	46142102	46142615	Gmdrm	hypo	CHG	-0.8188
Gm02	46142945	46143100	Gmdrm	hypo	CHG	-0.8033
Gm02	46143216	46143579	Gmdrm	hypo	CHG	-0.7334
Gm02	46143765	46143813	Gmdrm	hypo	CHG	-0.7085
Gm02	46144417	46144568	Gmdrm	hypo	CHG	-0.032
Gm02	46145268	46145365	Gmdrm	hypo	CHG	-0.718
Gm02	46145614	46145716	Gmdrm	hypo	CHG	-0.708
Gm02	46151437	46151634	Gmdrm	hypo	CHG	-0.51
Gm02	46162135	46162598	Gmdrm	hypo	CHG	-0.2293
Gm02	46166328	46166588	Gmdrm	hypo	CHG	-0.77
Gm02	46199885	46199953	Gmdrm	hypo	CHG	-0.783
Gm02	46200354	46200441	Gmdrm	hypo	CHG	-0.37
Gm02	46226173	46226708	Gmdrm	hypo	CHG	-0.0608
Gm02	46280060	46280232	Gmdrm	hypo	CHG	-0.4764
Gm02	46280772	46281073	Gmdrm	hypo	CHG	-0.2437
Gm02	46288715	46288964	Gmdrm	hypo	CHG	-0.5336
Gm02	46297510	46297674	Gmdrm	hypo	CHG	-0.3284
Gm02	46298030	46298216	Gmdrm	hypo	CHG	-0.287
Gm02	46298336	46298834	Gmdrm	hypo	CHG	-0.72
Gm02	46314289	46314584	Gmdrm	hypo	CHG	-0.0342
Gm02	46341020	46341135	Gmdrm	hypo	CHG	-0.485
Gm02	46367649	46367773	Gmdrm	hypo	CHG	-0.7818
Gm02	46368189	46368380	Gmdrm	hypo	CHG	-0.7331
Gm02	46368863	46369372	Gmdrm	hypo	CHG	-0.6233
Gm02	46369700	46369945	Gmdrm	hypo	CHG	-0.2306
Gm02	46373964	46374593	Gmdrm	hypo	CHG	-0.6966
Gm02	46374731	46375036	Gmdrm	hypo	CHG	-0.0282

Gm02	46382883	46382984	Gmdrm	hypo	CHG	-0.475
Gm02	46395592	46395756	Gmdrm	hypo	CHG	-0.43
Gm02	46395989	46396110	Gmdrm	hypo	CHG	-0.7537
Gm02	46411499	46411804	Gmdrm	hypo	CHG	-0.6695
Gm02	46418692	46418879	Gmdrm	hypo	CHG	-0.035
Gm02	46428671	46428915	Gmdrm	hypo	CHG	-0.7894
Gm02	46437159	46437399	Gmdrm	hypo	CHG	-0.1938
Gm02	46495096	46495272	Gmdrm	hypo	CHG	-0.0371
Gm02	46523926	46524115	Gmdrm	hypo	CHG	-0.035
Gm02	46534375	46534985	Gmdrm	hypo	CHG	-0.1022
Gm02	46539015	46539292	Gmdrm	hypo	CHG	-0.7507
Gm02	46545445	46545496	Gmdrm	hypo	CHG	-0.042
Gm02	46547100	46547153	Gmdrm	hypo	CHG	-0.0683
Gm02	46549670	46549859	Gmdrm	hypo	CHG	-0.8339
Gm02	46550043	46550121	Gmdrm	hypo	CHG	-0.3775
Gm02	46557120	46557279	Gmdrm	hypo	CHG	-0.3963
Gm02	46557408	46557648	Gmdrm	hypo	CHG	-0.5677
Gm02	46557815	46558206	Gmdrm	hypo	CHG	-0.4875
Gm02	46588102	46588531	Gmdrm	hypo	CHG	-0.6072
Gm02	46614603	46614803	Gmdrm	hypo	CHG	-0.4162
Gm02	46638941	46638970	Gmdrm	hypo	CHG	-0.4729
Gm02	46649013	46649406	Gmdrm	hypo	CHG	-0.04
Gm02	46673415	46673493	Gmdrm	hypo	CHG	-0.3583
Gm02	46674044	46674777	Gmdrm	hypo	CHG	-0.5671
Gm02	46674896	46675046	Gmdrm	hypo	CHG	-0.7791
Gm02	46675331	46675561	Gmdrm	hypo	CHG	-0.8028
Gm02	46689607	46689676	Gmdrm	hypo	CHG	-0.06
Gm02	46705550	46705613	Gmdrm	hypo	CHG	-0.504
Gm02	46714319	46714506	Gmdrm	hypo	CHG	-0.745
Gm02	46728992	46729035	Gmdrm	hypo	CHG	-0.0557
Gm02	46746020	46746134	Gmdrm	hypo	CHG	-0.4329
Gm02	46746492	46746725	Gmdrm	hypo	CHG	-0.705
Gm02	46761461	46761643	Gmdrm	hypo	CHG	-0.3977
Gm02	46782946	46783033	Gmdrm	hypo	CHG	-0.2583
Gm02	46783191	46783218	Gmdrm	hypo	CHG	-0.446
Gm02	46783457	46783670	Gmdrm	hypo	CHG	-0.0987
Gm02	46784740	46784967	Gmdrm	hypo	CHG	-0.8635
Gm02	46792767	46792928	Gmdrm	hypo	CHG	-0.5153
Gm02	46801751	46802044	Gmdrm	hypo	CHG	-0.8723
Gm02	46819462	46819589	Gmdrm	hypo	CHG	-0.2189
Gm02	46827671	46827850	Gmdrm	hypo	CHG	-0.0414
Gm02	46832340	46832470	Gmdrm	hypo	CHG	-0.3989
Gm02	46832584	46832631	Gmdrm	hypo	CHG	-0.37
Gm02	46835626	46835989	Gmdrm	hypo	CHG	-0.5758
Gm02	46836179	46836337	Gmdrm	hypo	CHG	-0.3991
Gm02	46839556	46839932	Gmdrm	hypo	CHG	-0.2189

Gm02	46840041	46840203	Gmdrm	hypo	CHG	-0.2625
Gm02	46843943	46844244	Gmdrm	hypo	CHG	-0.565
Gm02	46849044	46849381	Gmdrm	hypo	CHG	-0.7223
Gm02	46851496	46851715	Gmdrm	hypo	CHG	-0.0843
Gm02	46852701	46852886	Gmdrm	hypo	CHG	-0.5067
Gm02	46853073	46853216	Gmdrm	hypo	CHG	-0.6271
Gm02	46853544	46853692	Gmdrm	hypo	CHG	-0.58
Gm02	46853975	46854113	Gmdrm	hypo	CHG	-0.44
Gm02	46858250	46858418	Gmdrm	hypo	CHG	-0.1967
Gm02	46864066	46864556	Gmdrm	hypo	CHG	-0.264
Gm02	46865114	46865206	Gmdrm	hypo	CHG	-0.212
Gm02	46873840	46874105	Gmdrm	hypo	CHG	-0.7021
Gm02	46879842	46880172	Gmdrm	hypo	CHG	-0.7606
Gm02	46880281	46880501	Gmdrm	hypo	CHG	-0.4733
Gm02	46892165	46892453	Gmdrm	hypo	CHG	-0.1892
Gm02	46899765	46899899	Gmdrm	hypo	CHG	-0.404
Gm02	46901408	46901438	Gmdrm	hypo	CHG	-0.27
Gm02	46901663	46901771	Gmdrm	hypo	CHG	-0.6089
Gm02	46901887	46902180	Gmdrm	hypo	CHG	-0.5258
Gm02	46903970	46904214	Gmdrm	hypo	CHG	-0.3629
Gm02	46907355	46907520	Gmdrm	hypo	CHG	-0.034
Gm02	46924399	46924781	Gmdrm	hypo	CHG	-0.684
Gm02	46928923	46929006	Gmdrm	hypo	CHG	-0.0343
Gm02	46937130	46937800	Gmdrm	hypo	CHG	-0.1739
Gm02	46979294	46979587	Gmdrm	hypo	CHG	-0.2133
Gm02	46991502	46992309	Gmdrm	hypo	CHG	-0.0248
Gm02	46996208	46997160	Gmdrm	hypo	CHG	-0.0953
Gm02	47002772	47002993	Gmdrm	hypo	CHG	-0.038
Gm02	47017687	47018125	Gmdrm	hypo	CHG	-0.3987
Gm02	47018350	47018494	Gmdrm	hypo	CHG	-0.7588
Gm02	47021901	47022031	Gmdrm	hypo	CHG	-0.8909
Gm02	47026371	47026831	Gmdrm	hypo	CHG	-0.0533
Gm02	47049880	47050048	Gmdrm	hypo	CHG	-0.05
Gm02	47055298	47055431	Gmdrm	hypo	CHG	-0.0375
Gm02	47064027	47064312	Gmdrm	hypo	CHG	-0.6075
Gm02	47082436	47082587	Gmdrm	hypo	CHG	-0.8033
Gm02	47088673	47088740	Gmdrm	hypo	CHG	-0.044
Gm02	47102508	47102561	Gmdrm	hypo	CHG	-0.8644
Gm02	47146196	47146410	Gmdrm	hypo	CHG	-0.19
Gm02	47152581	47152703	Gmdrm	hypo	CHG	-0.457
Gm02	47153023	47153508	Gmdrm	hypo	CHG	-0.449
Gm02	47165680	47165802	Gmdrm	hypo	CHG	-0.04
Gm02	47172952	47173128	Gmdrm	hypo	CHG	-0.3867
Gm02	47175227	47175279	Gmdrm	hypo	CHG	-0.718
Gm02	47242289	47242362	Gmdrm	hypo	CHG	-0.1417
Gm02	47275970	47276130	Gmdrm	hypo	CHG	-0.051

Gm02	47276278	47276510 Gmdrm	hypo	CHG	-0.497
Gm02	47276673	47276976 Gmdrm	hypo	CHG	-0.7413
Gm02	47278151	47278296 Gmdrm	hypo	CHG	-0.425
Gm02	47314939	47315060 Gmdrm	hypo	CHG	-0.535
Gm02	47320273	47320512 Gmdrm	hypo	CHG	-0.7953
Gm02	47325512	47325760 Gmdrm	hypo	CHG	-0.0643
Gm02	47340553	47340728 Gmdrm	hypo	CHG	-0.2086
Gm02	47344147	47344259 Gmdrm	hypo	CHG	-0.044
Gm02	47370638	47370796 Gmdrm	hypo	CHG	-0.9517
Gm02	47376490	47376519 Gmdrm	hypo	CHG	-0.7617
Gm02	47392772	47393046 Gmdrm	hypo	CHG	-0.8817
Gm02	47409415	47409698 Gmdrm	hypo	CHG	-0.0312
Gm02	47429154	47429330 Gmdrm	hypo	CHG	-0.045
Gm02	47444626	47444762 Gmdrm	hypo	CHG	-0.2992
Gm02	47467867	47467981 Gmdrm	hypo	CHG	-0.058
Gm02	47472960	47473130 Gmdrm	hypo	CHG	-0.8831
Gm02	47473232	47473403 Gmdrm	hypo	CHG	-0.4522
Gm02	47513910	47514239 Gmdrm	hypo	CHG	-0.6405
Gm02	47514865	47515303 Gmdrm	hypo	CHG	-0.5956
Gm02	47519528	47519703 Gmdrm	hypo	CHG	-0.685
Gm02	47537664	47537947 Gmdrm	hypo	CHG	-0.3627
Gm02	47538104	47538258 Gmdrm	hypo	CHG	-0.226
Gm02	47552425	47553218 Gmdrm	hypo	CHG	-0.7692
Gm02	47576744	47576770 Gmdrm	hypo	CHG	-0.08
Gm02	47609013	47609196 Gmdrm	hypo	CHG	-0.5189
Gm02	47618696	47618934 Gmdrm	hypo	CHG	-0.6326
Gm02	47620045	47620310 Gmdrm	hypo	CHG	-0.4967
Gm02	47634744	47634856 Gmdrm	hypo	CHG	-0.34
Gm02	47659187	47659351 Gmdrm	hypo	CHG	-0.045
Gm02	47667953	47668365 Gmdrm	hypo	CHG	-0.8991
Gm02	47668521	47668686 Gmdrm	hypo	CHG	-0.805
Gm02	47674510	47674728 Gmdrm	hypo	CHG	-0.5273
Gm02	47675118	47675478 Gmdrm	hypo	CHG	-0.55
Gm02	47675610	47675739 Gmdrm	hypo	CHG	-0.5525
Gm02	47684491	47684564 Gmdrm	hypo	CHG	-0.2233
Gm02	47704824	47704887 Gmdrm	hypo	CHG	-0.3729
Gm02	47705030	47705077 Gmdrm	hypo	CHG	-0.6683
Gm02	47728599	47729372 Gmdrm	hypo	CHG	-0.3189
Gm02	47746131	47746203 Gmdrm	hypo	CHG	-0.66
Gm02	47746338	47746346 Gmdrm	hypo	CHG	-0.46
Gm02	47760645	47761069 Gmdrm	hypo	CHG	-0.9
Gm02	47774180	47774383 Gmdrm	hypo	CHG	-0.04
Gm02	47845656	47845896 Gmdrm	hypo	CHG	-0.5754
Gm02	47847762	47847863 Gmdrm	hypo	CHG	-0.692
Gm02	47847981	47848039 Gmdrm	hypo	CHG	-0.074
Gm02	47868027	47868093 Gmdrm	hypo	CHG	-0.048

Gm02	47869922	47870103	Gmdrm	hypo	CHG	-0.59
Gm02	47872547	47872823	Gmdrm	hypo	CHG	-0.6585
Gm02	47894797	47894875	Gmdrm	hypo	CHG	-0.57
Gm02	47904234	47904523	Gmdrm	hypo	CHG	-0.027
Gm02	47916625	47916651	Gmdrm	hypo	CHG	-0.3167
Gm02	47961060	47961235	Gmdrm	hypo	CHG	-0.411
Gm02	47961538	47961850	Gmdrm	hypo	CHG	-0.1953
Gm02	47962039	47962346	Gmdrm	hypo	CHG	-0.5856
Gm02	47962480	47962516	Gmdrm	hypo	CHG	-0.738
Gm02	47993526	47993618	Gmdrm	hypo	CHG	-0.924
Gm02	47993730	47994029	Gmdrm	hypo	CHG	-0.8329
Gm02	48004304	48004579	Gmdrm	hypo	CHG	-0.0648
Gm02	48009149	48009240	Gmdrm	hypo	CHG	-0.1785
Gm02	48054994	48055041	Gmdrm	hypo	CHG	-0.0333
Gm02	48089458	48089586	Gmdrm	hypo	CHG	-0.2767
Gm02	48089691	48089821	Gmdrm	hypo	CHG	-0.4634
Gm02	48094256	48094391	Gmdrm	hypo	CHG	-0.038
Gm02	48103376	48103500	Gmdrm	hypo	CHG	-0.595
Gm02	48115484	48115759	Gmdrm	hypo	CHG	-0.7542
Gm02	48145118	48145275	Gmdrm	hypo	CHG	-0.7925
Gm02	48145433	48145479	Gmdrm	hypo	CHG	-0.6384
Gm02	48152967	48153140	Gmdrm	hypo	CHG	-0.032
Gm02	48168588	48168664	Gmdrm	hypo	CHG	-0.6785
Gm02	48170122	48170459	Gmdrm	hypo	CHG	-0.7769
Gm02	48172319	48172444	Gmdrm	hypo	CHG	-0.8373
Gm02	48172698	48172795	Gmdrm	hypo	CHG	-0.655
Gm02	48173078	48173331	Gmdrm	hypo	CHG	-0.2657
Gm02	48175707	48175963	Gmdrm	hypo	CHG	-0.0367
Gm02	48183656	48183726	Gmdrm	hypo	CHG	-0.804
Gm02	48187445	48187543	Gmdrm	hypo	CHG	-0.25
Gm02	48189278	48189349	Gmdrm	hypo	CHG	-0.165
Gm02	48197908	48198002	Gmdrm	hypo	CHG	-0.3143
Gm02	48203459	48203701	Gmdrm	hypo	CHG	-0.88
Gm02	48205336	48205651	Gmdrm	hypo	CHG	-0.539
Gm02	48209535	48209599	Gmdrm	hypo	CHG	-0.5966
Gm02	48209935	48210162	Gmdrm	hypo	CHG	-0.4575
Gm02	48221369	48222107	Gmdrm	hypo	CHG	-0.8536
Gm02	48233086	48233221	Gmdrm	hypo	CHG	-0.0529
Gm02	48260461	48260565	Gmdrm	hypo	CHG	-0.7614
Gm02	48261233	48261367	Gmdrm	hypo	CHG	-0.471
Gm02	48270178	48270273	Gmdrm	hypo	CHG	-0.515
Gm02	48270422	48271153	Gmdrm	hypo	CHG	-0.555
Gm02	48296583	48296828	Gmdrm	hypo	CHG	-0.8729
Gm02	48296944	48296999	Gmdrm	hypo	CHG	-0.9083
Gm02	48306669	48306913	Gmdrm	hypo	CHG	-0.045
Gm02	48319971	48320327	Gmdrm	hypo	CHG	-0.7219

Gm02	48330273	48330365	Gmdrm	hypo	CHG	-0.836
Gm02	48335842	48336646	Gmdrm	hypo	CHG	-0.2278
Gm02	48341656	48341985	Gmdrm	hypo	CHG	-0.3039
Gm02	48343829	48344007	Gmdrm	hypo	CHG	-0.3343
Gm02	48358987	48359214	Gmdrm	hypo	CHG	-0.344
Gm02	48361433	48361679	Gmdrm	hypo	CHG	-0.4817
Gm02	48361811	48362121	Gmdrm	hypo	CHG	-0.617
Gm02	48362943	48363160	Gmdrm	hypo	CHG	-0.7465
Gm02	48363355	48363625	Gmdrm	hypo	CHG	-0.6586
Gm02	48363823	48363996	Gmdrm	hypo	CHG	-0.5578
Gm02	48369841	48369973	Gmdrm	hypo	CHG	-0.062
Gm02	48377519	48378285	Gmdrm	hypo	CHG	-0.1636
Gm02	48414427	48414614	Gmdrm	hypo	CHG	-0.6901
Gm02	48414716	48414930	Gmdrm	hypo	CHG	-0.729
Gm02	48415250	48415569	Gmdrm	hypo	CHG	-0.5414
Gm02	48440715	48440755	Gmdrm	hypo	CHG	-0.8075
Gm02	48440903	48441046	Gmdrm	hypo	CHG	-0.0867
Gm02	48455871	48455992	Gmdrm	hypo	CHG	-0.3581
Gm02	48460878	48461459	Gmdrm	hypo	CHG	-0.4033
Gm02	48461818	48461904	Gmdrm	hypo	CHG	-0.495
Gm02	48462187	48462430	Gmdrm	hypo	CHG	-0.0211
Gm02	48464810	48465130	Gmdrm	hypo	CHG	-0.4388
Gm02	48465245	48465387	Gmdrm	hypo	CHG	-0.3515
Gm02	48478632	48478693	Gmdrm	hypo	CHG	-0.042
Gm02	48510895	48511075	Gmdrm	hypo	CHG	-0.3043
Gm02	48544964	48545166	Gmdrm	hypo	CHG	-0.436
Gm02	48552708	48552814	Gmdrm	hypo	CHG	-0.054
Gm02	48556483	48556598	Gmdrm	hypo	CHG	-0.062
Gm02	48557533	48557672	Gmdrm	hypo	CHG	-0.7615
Gm02	48569371	48570105	Gmdrm	hypo	CHG	-0.3184
Gm02	48595761	48595967	Gmdrm	hypo	CHG	-0.5644
Gm02	48599235	48599271	Gmdrm	hypo	CHG	-0.372
Gm02	48638183	48638296	Gmdrm	hypo	CHG	-0.5437
Gm02	48682670	48683261	Gmdrm	hypo	CHG	-0.0411
Gm02	48698938	48699322	Gmdrm	hypo	CHG	-0.2339
Gm02	48699934	48700098	Gmdrm	hypo	CHG	-0.3772
Gm02	48719666	48719851	Gmdrm	hypo	CHG	-0.55
Gm02	48720018	48720111	Gmdrm	hypo	CHG	-0.7789
Gm02	48720266	48720442	Gmdrm	hypo	CHG	-0.749
Gm02	48765182	48765511	Gmdrm	hypo	CHG	-0.5767
Gm02	48797723	48797837	Gmdrm	hypo	CHG	-0.5683
Gm02	48799256	48799421	Gmdrm	hypo	CHG	-0.5758
Gm02	48799552	48799766	Gmdrm	hypo	CHG	-0.343
Gm02	48799870	48800019	Gmdrm	hypo	CHG	-0.45
Gm02	48812652	48812889	Gmdrm	hypo	CHG	-0.0544
Gm02	48846211	48846635	Gmdrm	hypo	CHG	-0.1464

Gm02	48874124	48874428	Gmdrm	hypo	CHG	-0.0581
Gm02	48884390	48884621	Gmdrm	hypo	CHG	-0.365
Gm02	48895649	48895982	Gmdrm	hypo	CHG	-0.7009
Gm02	48897814	48898313	Gmdrm	hypo	CHG	-0.8325
Gm02	48898959	48899471	Gmdrm	hypo	CHG	-0.4306
Gm02	48913577	48913851	Gmdrm	hypo	CHG	-0.0425
Gm02	48917409	48917482	Gmdrm	hypo	CHG	-0.675
Gm02	48976628	48977038	Gmdrm	hypo	CHG	-0.0208
Gm02	48978011	48978264	Gmdrm	hypo	CHG	-0.4606
Gm02	48984451	48984780	Gmdrm	hypo	CHG	-0.4441
Gm02	48998519	48998750	Gmdrm	hypo	CHG	-0.848
Gm02	48998936	48999294	Gmdrm	hypo	CHG	-0.7618
Gm02	49002280	49002433	Gmdrm	hypo	CHG	-0.08
Gm02	49023312	49023479	Gmdrm	hypo	CHG	-0.0543
Gm02	49023697	49023844	Gmdrm	hypo	CHG	-0.6049
Gm02	49047455	49047610	Gmdrm	hypo	CHG	-0.8462
Gm02	49053092	49053262	Gmdrm	hypo	CHG	-0.034
Gm02	49056369	49056537	Gmdrm	hypo	CHG	-0.348
Gm02	49066017	49066466	Gmdrm	hypo	CHG	-0.28
Gm02	49102627	49102855	Gmdrm	hypo	CHG	-0.4667
Gm02	49103137	49103151	Gmdrm	hypo	CHG	-0.86
Gm02	49103316	49103367	Gmdrm	hypo	CHG	-0.61
Gm02	49104090	49104126	Gmdrm	hypo	CHG	-0.69
Gm02	49106036	49106363	Gmdrm	hypo	CHG	-0.1025
Gm02	49124517	49124559	Gmdrm	hypo	CHG	-0.038
Gm02	49125392	49125528	Gmdrm	hypo	CHG	-0.066
Gm02	49129320	49129499	Gmdrm	hypo	CHG	-0.0456
Gm02	49135202	49135317	Gmdrm	hypo	CHG	-0.075
Gm02	49164576	49164719	Gmdrm	hypo	CHG	-0.0416
Gm02	49178288	49178434	Gmdrm	hypo	CHG	-0.8942
Gm02	49182512	49182636	Gmdrm	hypo	CHG	-0.0314
Gm02	49199484	49199672	Gmdrm	hypo	CHG	-0.9104
Gm02	49199864	49199921	Gmdrm	hypo	CHG	-0.8137
Gm02	49204471	49204604	Gmdrm	hypo	CHG	-0.889
Gm02	49211237	49211340	Gmdrm	hypo	CHG	-0.1731
Gm02	49222068	49222209	Gmdrm	hypo	CHG	-0.384
Gm02	49223145	49223177	Gmdrm	hypo	CHG	-0.5817
Gm02	49225757	49225968	Gmdrm	hypo	CHG	-0.044
Gm02	49275582	49275645	Gmdrm	hypo	CHG	-0.805
Gm02	49278504	49278745	Gmdrm	hypo	CHG	-0.0383
Gm02	49288433	49288595	Gmdrm	hypo	CHG	-0.118
Gm02	49308057	49308305	Gmdrm	hypo	CHG	-0.3579
Gm02	49334274	49334540	Gmdrm	hypo	CHG	-0.3706
Gm02	49348752	49349335	Gmdrm	hypo	CHG	-0.6446
Gm02	49435222	49435463	Gmdrm	hypo	CHG	-0.044
Gm02	49436589	49436884	Gmdrm	hypo	CHG	-0.0543

Gm02	49461420	49461501	Gmdrm	hypo	CHG	-0.0434
Gm02	49462621	49462782	Gmdrm	hypo	CHG	-0.05
Gm02	49469884	49469998	Gmdrm	hypo	CHG	-0.1412
Gm02	49526850	49527011	Gmdrm	hypo	CHG	-0.4109
Gm02	49542712	49543082	Gmdrm	hypo	CHG	-0.0273
Gm02	49548895	49549389	Gmdrm	hypo	CHG	-0.5294
Gm02	49565899	49565965	Gmdrm	hypo	CHG	-0.1867
Gm02	49567972	49568400	Gmdrm	hypo	CHG	-0.2373
Gm02	49569374	49569498	Gmdrm	hypo	CHG	-0.5064
Gm02	49571531	49571786	Gmdrm	hypo	CHG	-0.3492
Gm02	49577825	49577964	Gmdrm	hypo	CHG	-0.6656
Gm02	49587677	49588199	Gmdrm	hypo	CHG	-0.0583
Gm02	49595674	49596321	Gmdrm	hypo	CHG	-0.2919
Gm02	49611405	49611542	Gmdrm	hypo	CHG	-0.69
Gm02	49645422	49645523	Gmdrm	hypo	CHG	-0.578
Gm02	49652272	49652432	Gmdrm	hypo	CHG	-0.505
Gm02	49658581	49659010	Gmdrm	hypo	CHG	-0.4091
Gm02	49677357	49677536	Gmdrm	hypo	CHG	-0.4734
Gm02	49691455	49691677	Gmdrm	hypo	CHG	-0.028
Gm02	49710149	49710486	Gmdrm	hypo	CHG	-0.6165
Gm02	49711415	49711814	Gmdrm	hypo	CHG	-0.2112
Gm02	49713820	49713919	Gmdrm	hypo	CHG	-0.725
Gm02	49725755	49726045	Gmdrm	hypo	CHG	-0.0725
Gm02	49740636	49740784	Gmdrm	hypo	CHG	-0.596
Gm02	49740956	49740997	Gmdrm	hypo	CHG	-0.9083
Gm02	49764637	49764782	Gmdrm	hypo	CHG	-0.7955
Gm02	49779917	49780086	Gmdrm	hypo	CHG	-0.7462
Gm02	49787212	49787279	Gmdrm	hypo	CHG	-0.636
Gm02	49804826	49805381	Gmdrm	hypo	CHG	-0.0762
Gm02	49818974	49819360	Gmdrm	hypo	CHG	-0.053
Gm02	49821367	49821429	Gmdrm	hypo	CHG	-0.05
Gm02	49844355	49844698	Gmdrm	hypo	CHG	-0.205
Gm02	49844953	49845113	Gmdrm	hypo	CHG	-0.6786
Gm02	49845281	49845318	Gmdrm	hypo	CHG	-0.084
Gm02	49855312	49855480	Gmdrm	hypo	CHG	-0.7612
Gm02	49870521	49870577	Gmdrm	hypo	CHG	-0.87
Gm02	49898435	49898584	Gmdrm	hypo	CHG	-0.076
Gm02	49920492	49920809	Gmdrm	hypo	CHG	-0.2843
Gm02	49921307	49921640	Gmdrm	hypo	CHG	-0.7231
Gm02	49975108	49975237	Gmdrm	hypo	CHG	-0.465
Gm02	49990344	49990458	Gmdrm	hypo	CHG	-0.3754
Gm02	49995214	49995304	Gmdrm	hypo	CHG	-0.5183
Gm02	49998329	49998903	Gmdrm	hypo	CHG	-0.0518
Gm02	50027659	50027792	Gmdrm	hypo	CHG	-0.0907
Gm02	50034299	50034419	Gmdrm	hypo	CHG	-0.324
Gm02	50052844	50053027	Gmdrm	hypo	CHG	-0.183

Gm02	50053328	50054057 Gmdrm	hypo	CHG	-0.3026
Gm02	50054413	50054527 Gmdrm	hypo	CHG	-0.4986
Gm02	50066717	50066899 Gmdrm	hypo	CHG	-0.034
Gm02	50080129	50080293 Gmdrm	hypo	CHG	-0.5029
Gm02	50090506	50090806 Gmdrm	hypo	CHG	-0.214
Gm02	50105848	50106108 Gmdrm	hypo	CHG	-0.0583
Gm02	50116319	50116966 Gmdrm	hypo	CHG	-0.595
Gm02	50142936	50142975 Gmdrm	hypo	CHG	-0.038
Gm02	50146617	50146908 Gmdrm	hypo	CHG	-0.6274
Gm02	50149293	50149664 Gmdrm	hypo	CHG	-0.0372
Gm02	50186445	50186792 Gmdrm	hypo	CHG	-0.3139
Gm02	50194095	50194202 Gmdrm	hypo	CHG	-0.6872
Gm02	50194460	50194606 Gmdrm	hypo	CHG	-0.7433
Gm02	50194875	50194970 Gmdrm	hypo	CHG	-0.83
Gm02	50197685	50198107 Gmdrm	hypo	CHG	-0.5368
Gm02	50214111	50214274 Gmdrm	hypo	CHG	-0.04
Gm02	50222187	50222608 Gmdrm	hypo	CHG	-0.1617
Gm02	50231482	50232475 Gmdrm	hypo	CHG	-0.1158
Gm02	50239876	50240225 Gmdrm	hypo	CHG	-0.0923
Gm02	50248050	50249021 Gmdrm	hypo	CHG	-0.1766
Gm02	50253278	50253895 Gmdrm	hypo	CHG	-0.25
Gm02	50258619	50259254 Gmdrm	hypo	CHG	-0.3
Gm02	50266525	50266774 Gmdrm	hypo	CHG	-0.0843
Gm02	50269141	50269289 Gmdrm	hypo	CHG	-0.9047
Gm02	50269499	50269756 Gmdrm	hypo	CHG	-0.7494
Gm02	50278310	50278555 Gmdrm	hypo	CHG	-0.0357
Gm02	50292574	50292675 Gmdrm	hypo	CHG	-0.3342
Gm02	50297152	50297685 Gmdrm	hypo	CHG	-0.0666
Gm02	50297931	50298322 Gmdrm	hypo	CHG	-0.2733
Gm02	50298464	50298550 Gmdrm	hypo	CHG	-0.388
Gm02	50305052	50305234 Gmdrm	hypo	CHG	-0.3575
Gm02	50367714	50367977 Gmdrm	hypo	CHG	-0.0783
Gm02	50371790	50372128 Gmdrm	hypo	CHG	-0.2169
Gm02	50382993	50383684 Gmdrm	hypo	CHG	-0.9112
Gm02	50383950	50384058 Gmdrm	hypo	CHG	-0.817
Gm02	50389335	50389435 Gmdrm	hypo	CHG	-0.1329
Gm02	50392839	50393173 Gmdrm	hypo	CHG	-0.6336
Gm02	50393435	50393889 Gmdrm	hypo	CHG	-0.7176
Gm02	50394712	50394799 Gmdrm	hypo	CHG	-0.53
Gm02	50394906	50395102 Gmdrm	hypo	CHG	-0.4953
Gm02	50395391	50395486 Gmdrm	hypo	CHG	-0.6908
Gm02	50395605	50395963 Gmdrm	hypo	CHG	-0.6016
Gm02	50397185	50397389 Gmdrm	hypo	CHG	-0.43
Gm02	50397509	50398502 Gmdrm	hypo	CHG	-0.4879
Gm02	50398518	50399230 Gmdrm	hypo	CHG	-0.0906
Gm03	9215	9332 Gmdrm	hypo	CHG	-0.3267

Gm03	11667	12537 Gmdrm	hypo	CHG	-0.1624
Gm03	21798	22098 Gmdrm	hypo	CHG	-0.3846
Gm03	22211	22399 Gmdrm	hypo	CHG	-0.37
Gm03	26131	26610 Gmdrm	hypo	CHG	-0.2806
Gm03	29298	29636 Gmdrm	hypo	CHG	-0.3728
Gm03	29762	29791 Gmdrm	hypo	CHG	-0.476
Gm03	30135	30187 Gmdrm	hypo	CHG	-0.4983
Gm03	41267	41715 Gmdrm	hypo	CHG	-0.2147
Gm03	49179	49908 Gmdrm	hypo	CHG	-0.3179
Gm03	77589	77712 Gmdrm	hypo	CHG	-0.1529
Gm03	77958	78068 Gmdrm	hypo	CHG	-0.5734
Gm03	90344	90412 Gmdrm	hypo	CHG	-0.2257
Gm03	91713	91947 Gmdrm	hypo	CHG	-0.3111
Gm03	95612	95838 Gmdrm	hypo	CHG	-0.0572
Gm03	101255	101561 Gmdrm	hypo	CHG	-0.1614
Gm03	113311	113621 Gmdrm	hypo	CHG	-0.3261
Gm03	131438	131546 Gmdrm	hypo	CHG	-0.838
Gm03	137729	138060 Gmdrm	hypo	CHG	-0.7077
Gm03	166135	166432 Gmdrm	hypo	CHG	-0.4175
Gm03	167178	167284 Gmdrm	hypo	CHG	-0.672
Gm03	187090	187272 Gmdrm	hypo	CHG	-0.7822
Gm03	216916	217167 Gmdrm	hypo	CHG	-0.053
Gm03	230574	230746 Gmdrm	hypo	CHG	-0.2869
Gm03	230960	231075 Gmdrm	hypo	CHG	-0.6438
Gm03	231257	231356 Gmdrm	hypo	CHG	-0.6533
Gm03	260775	260880 Gmdrm	hypo	CHG	-0.0483
Gm03	279101	279675 Gmdrm	hypo	CHG	-0.6738
Gm03	280371	280669 Gmdrm	hypo	CHG	-0.6947
Gm03	284647	284712 Gmdrm	hypo	CHG	-0.4083
Gm03	293986	294488 Gmdrm	hypo	CHG	-0.2042
Gm03	333833	334206 Gmdrm	hypo	CHG	-0.5128
Gm03	348465	348713 Gmdrm	hypo	CHG	-0.8737
Gm03	380901	380995 Gmdrm	hypo	CHG	-0.038
Gm03	383403	383609 Gmdrm	hypo	CHG	-0.0417
Gm03	383775	384150 Gmdrm	hypo	CHG	-0.422
Gm03	384308	384412 Gmdrm	hypo	CHG	-0.6774
Gm03	396646	396921 Gmdrm	hypo	CHG	-0.2057
Gm03	397453	397608 Gmdrm	hypo	CHG	-0.6785
Gm03	425358	425679 Gmdrm	hypo	CHG	-0.5927
Gm03	436559	437300 Gmdrm	hypo	CHG	-0.1947
Gm03	441195	441452 Gmdrm	hypo	CHG	-0.0627
Gm03	463316	463629 Gmdrm	hypo	CHG	-0.7372
Gm03	472298	472404 Gmdrm	hypo	CHG	-0.38
Gm03	477455	477664 Gmdrm	hypo	CHG	-0.3962
Gm03	483024	483552 Gmdrm	hypo	CHG	-0.2765
Gm03	492647	492790 Gmdrm	hypo	CHG	-0.8617

Gm03	498500	498772 Gmdrm	hypo	CHG	-0.41
Gm03	499449	499522 Gmdrm	hypo	CHG	-0.6933
Gm03	499626	499851 Gmdrm	hypo	CHG	-0.63
Gm03	503695	503793 Gmdrm	hypo	CHG	-0.538
Gm03	520545	520691 Gmdrm	hypo	CHG	-0.32
Gm03	528181	528386 Gmdrm	hypo	CHG	-0.618
Gm03	533073	534039 Gmdrm	hypo	CHG	-0.2336
Gm03	534964	535203 Gmdrm	hypo	CHG	-0.7786
Gm03	538144	538479 Gmdrm	hypo	CHG	-0.4237
Gm03	542257	542339 Gmdrm	hypo	CHG	-0.2116
Gm03	542440	542574 Gmdrm	hypo	CHG	-0.3528
Gm03	542696	543057 Gmdrm	hypo	CHG	-0.49
Gm03	543166	543414 Gmdrm	hypo	CHG	-0.5164
Gm03	543636	543776 Gmdrm	hypo	CHG	-0.5975
Gm03	544069	544116 Gmdrm	hypo	CHG	-0.1888
Gm03	554519	554950 Gmdrm	hypo	CHG	-0.5478
Gm03	582404	582519 Gmdrm	hypo	CHG	-0.032
Gm03	588287	588589 Gmdrm	hypo	CHG	-0.48
Gm03	614434	614475 Gmdrm	hypo	CHG	-0.0388
Gm03	616847	616947 Gmdrm	hypo	CHG	-0.1686
Gm03	634041	634250 Gmdrm	hypo	CHG	-0.5029
Gm03	639568	639659 Gmdrm	hypo	CHG	-0.69
Gm03	671665	671783 Gmdrm	hypo	CHG	-0.415
Gm03	676104	676360 Gmdrm	hypo	CHG	-0.0413
Gm03	679101	679329 Gmdrm	hypo	CHG	-0.5962
Gm03	680289	680450 Gmdrm	hypo	CHG	-0.6808
Gm03	691474	691713 Gmdrm	hypo	CHG	-0.3777
Gm03	701917	702034 Gmdrm	hypo	CHG	-0.249
Gm03	702547	703051 Gmdrm	hypo	CHG	-0.2522
Gm03	703429	703628 Gmdrm	hypo	CHG	-0.2917
Gm03	713462	713587 Gmdrm	hypo	CHG	-0.036
Gm03	714578	714804 Gmdrm	hypo	CHG	-0.3914
Gm03	720092	720436 Gmdrm	hypo	CHG	-0.2537
Gm03	723289	723304 Gmdrm	hypo	CHG	-0.1017
Gm03	726819	727002 Gmdrm	hypo	CHG	-0.707
Gm03	727182	727233 Gmdrm	hypo	CHG	-0.895
Gm03	749145	749278 Gmdrm	hypo	CHG	-0.2788
Gm03	750244	750321 Gmdrm	hypo	CHG	-0.32
Gm03	751004	751328 Gmdrm	hypo	CHG	-0.3656
Gm03	751871	752031 Gmdrm	hypo	CHG	-0.152
Gm03	757459	757812 Gmdrm	hypo	CHG	-0.3383
Gm03	763803	763899 Gmdrm	hypo	CHG	-0.4513
Gm03	766665	766926 Gmdrm	hypo	CHG	-0.07
Gm03	805869	806028 Gmdrm	hypo	CHG	-0.322
Gm03	807435	807688 Gmdrm	hypo	CHG	-0.325
Gm03	807919	808684 Gmdrm	hypo	CHG	-0.2727

Gm03	815543	815697	Gmdrm	hypo	CHG	-0.7986
Gm03	845119	845351	Gmdrm	hypo	CHG	-0.062
Gm03	850738	850883	Gmdrm	hypo	CHG	-0.5911
Gm03	853566	854023	Gmdrm	hypo	CHG	-0.592
Gm03	854191	854453	Gmdrm	hypo	CHG	-0.4473
Gm03	862733	863396	Gmdrm	hypo	CHG	-0.037
Gm03	868703	868935	Gmdrm	hypo	CHG	-0.4319
Gm03	869086	869184	Gmdrm	hypo	CHG	-0.7413
Gm03	869307	869697	Gmdrm	hypo	CHG	-0.5075
Gm03	873651	873692	Gmdrm	hypo	CHG	-0.795
Gm03	878380	878539	Gmdrm	hypo	CHG	-0.43
Gm03	888274	888469	Gmdrm	hypo	CHG	-0.198
Gm03	888691	888873	Gmdrm	hypo	CHG	-0.06
Gm03	889593	889764	Gmdrm	hypo	CHG	-0.6536
Gm03	918561	918826	Gmdrm	hypo	CHG	-0.7411
Gm03	921898	921942	Gmdrm	hypo	CHG	-0.3383
Gm03	922049	922111	Gmdrm	hypo	CHG	-0.4817
Gm03	926578	926687	Gmdrm	hypo	CHG	-0.206
Gm03	927271	927313	Gmdrm	hypo	CHG	-0.58
Gm03	956895	956959	Gmdrm	hypo	CHG	-0.568
Gm03	957986	958242	Gmdrm	hypo	CHG	-0.55
Gm03	958566	958677	Gmdrm	hypo	CHG	-0.588
Gm03	958794	958905	Gmdrm	hypo	CHG	-0.5584
Gm03	959377	959408	Gmdrm	hypo	CHG	-0.1417
Gm03	982992	983033	Gmdrm	hypo	CHG	-0.664
Gm03	1003092	1003297	Gmdrm	hypo	CHG	-0.04
Gm03	1007901	1007952	Gmdrm	hypo	CHG	-0.2
Gm03	1008153	1008252	Gmdrm	hypo	CHG	-0.112
Gm03	1013919	1013951	Gmdrm	hypo	CHG	-0.07
Gm03	1033604	1033692	Gmdrm	hypo	CHG	-0.95
Gm03	1033821	1033906	Gmdrm	hypo	CHG	-0.916
Gm03	1035655	1035717	Gmdrm	hypo	CHG	-0.122
Gm03	1036156	1036198	Gmdrm	hypo	CHG	-0.066
Gm03	1037447	1037577	Gmdrm	hypo	CHG	-0.056
Gm03	1043576	1043709	Gmdrm	hypo	CHG	-0.046
Gm03	1044716	1045068	Gmdrm	hypo	CHG	-0.0478
Gm03	1051931	1052101	Gmdrm	hypo	CHG	-0.8245
Gm03	1076326	1076341	Gmdrm	hypo	CHG	-0.4367
Gm03	1079303	1079444	Gmdrm	hypo	CHG	-0.4037
Gm03	1102975	1103186	Gmdrm	hypo	CHG	-0.1011
Gm03	1107096	1107241	Gmdrm	hypo	CHG	-0.0522
Gm03	1115850	1115987	Gmdrm	hypo	CHG	-0.685
Gm03	1117369	1117949	Gmdrm	hypo	CHG	-0.553
Gm03	1118377	1118659	Gmdrm	hypo	CHG	-0.5486
Gm03	1118795	1119263	Gmdrm	hypo	CHG	-0.3763
Gm03	1119448	1119508	Gmdrm	hypo	CHG	-0.535

Gm03	1119619	1119732	Gmdrm	hypo	CHG	-0.07
Gm03	1165019	1165266	Gmdrm	hypo	CHG	-0.306
Gm03	1165614	1165645	Gmdrm	hypo	CHG	-0.42
Gm03	1165751	1165987	Gmdrm	hypo	CHG	-0.23
Gm03	1166593	1167044	Gmdrm	hypo	CHG	-0.1269
Gm03	1167146	1167624	Gmdrm	hypo	CHG	-0.2866
Gm03	1208060	1208704	Gmdrm	hypo	CHG	-0.1734
Gm03	1209294	1209390	Gmdrm	hypo	CHG	-0.05
Gm03	1215146	1215294	Gmdrm	hypo	CHG	-0.3257
Gm03	1263233	1263385	Gmdrm	hypo	CHG	-0.342
Gm03	1264054	1264116	Gmdrm	hypo	CHG	-0.3957
Gm03	1264969	1265074	Gmdrm	hypo	CHG	-0.535
Gm03	1273398	1273547	Gmdrm	hypo	CHG	-0.0385
Gm03	1274001	1274156	Gmdrm	hypo	CHG	-0.2087
Gm03	1274344	1274434	Gmdrm	hypo	CHG	-0.8712
Gm03	1274643	1274867	Gmdrm	hypo	CHG	-0.4667
Gm03	1275054	1275314	Gmdrm	hypo	CHG	-0.03
Gm03	1276176	1276244	Gmdrm	hypo	CHG	-0.878
Gm03	1276366	1276435	Gmdrm	hypo	CHG	-0.9386
Gm03	1278050	1278550	Gmdrm	hypo	CHG	-0.7917
Gm03	1278656	1278866	Gmdrm	hypo	CHG	-0.83
Gm03	1279145	1279485	Gmdrm	hypo	CHG	-0.2206
Gm03	1283293	1283588	Gmdrm	hypo	CHG	-0.588
Gm03	1283822	1283990	Gmdrm	hypo	CHG	-0.4671
Gm03	1307840	1308180	Gmdrm	hypo	CHG	-0.1719
Gm03	1309798	1309857	Gmdrm	hypo	CHG	-0.484
Gm03	1310340	1310503	Gmdrm	hypo	CHG	-0.4253
Gm03	1310740	1310864	Gmdrm	hypo	CHG	-0.868
Gm03	1311171	1311388	Gmdrm	hypo	CHG	-0.0529
Gm03	1325916	1326147	Gmdrm	hypo	CHG	-0.0443
Gm03	1329784	1329853	Gmdrm	hypo	CHG	-0.0457
Gm03	1333142	1333238	Gmdrm	hypo	CHG	-0.1028
Gm03	1333609	1333745	Gmdrm	hypo	CHG	-0.785
Gm03	1338825	1339093	Gmdrm	hypo	CHG	-0.7626
Gm03	1353463	1353538	Gmdrm	hypo	CHG	-0.0583
Gm03	1360113	1360615	Gmdrm	hypo	CHG	-0.3865
Gm03	1369616	1370324	Gmdrm	hypo	CHG	-0.4875
Gm03	1370428	1370528	Gmdrm	hypo	CHG	-0.4327
Gm03	1376086	1376730	Gmdrm	hypo	CHG	-0.3629
Gm03	1388654	1388908	Gmdrm	hypo	CHG	-0.4889
Gm03	1391905	1392087	Gmdrm	hypo	CHG	-0.0285
Gm03	1394908	1395158	Gmdrm	hypo	CHG	-0.04
Gm03	1396021	1396153	Gmdrm	hypo	CHG	-0.0387
Gm03	1400897	1401200	Gmdrm	hypo	CHG	-0.12
Gm03	1408248	1408331	Gmdrm	hypo	CHG	-0.545
Gm03	1414316	1414522	Gmdrm	hypo	CHG	-0.0583

Gm03	1416108	1416476 Gmdrm	hypo	CHG	-0.3636
Gm03	1420616	1421154 Gmdrm	hypo	CHG	-0.0219
Gm03	1421755	1421974 Gmdrm	hypo	CHG	-0.4438
Gm03	1428016	1428223 Gmdrm	hypo	CHG	-0.5084
Gm03	1431228	1431314 Gmdrm	hypo	CHG	-0.6
Gm03	1431570	1431685 Gmdrm	hypo	CHG	-0.6728
Gm03	1432118	1432424 Gmdrm	hypo	CHG	-0.7085
Gm03	1432683	1432752 Gmdrm	hypo	CHG	-0.6083
Gm03	1434332	1434448 Gmdrm	hypo	CHG	-0.7245
Gm03	1462622	1462856 Gmdrm	hypo	CHG	-0.4671
Gm03	1478641	1478714 Gmdrm	hypo	CHG	-0.556
Gm03	1480172	1480374 Gmdrm	hypo	CHG	-0.2376
Gm03	1481226	1481461 Gmdrm	hypo	CHG	-0.1543
Gm03	1495496	1495658 Gmdrm	hypo	CHG	-0.5393
Gm03	1498150	1498526 Gmdrm	hypo	CHG	-0.3247
Gm03	1504040	1504425 Gmdrm	hypo	CHG	-0.9013
Gm03	1504528	1504897 Gmdrm	hypo	CHG	-0.7514
Gm03	1505000	1505174 Gmdrm	hypo	CHG	-0.65
Gm03	1509466	1509680 Gmdrm	hypo	CHG	-0.5655
Gm03	1514143	1514721 Gmdrm	hypo	CHG	-0.1546
Gm03	1519503	1519830 Gmdrm	hypo	CHG	-0.029
Gm03	1534476	1534654 Gmdrm	hypo	CHG	-0.054
Gm03	1570236	1570490 Gmdrm	hypo	CHG	-0.046
Gm03	1573236	1573327 Gmdrm	hypo	CHG	-0.6938
Gm03	1583333	1583438 Gmdrm	hypo	CHG	-0.7938
Gm03	1589518	1589603 Gmdrm	hypo	CHG	-0.3957
Gm03	1591498	1591560 Gmdrm	hypo	CHG	-0.06
Gm03	1600759	1600910 Gmdrm	hypo	CHG	-0.288
Gm03	1619237	1619388 Gmdrm	hypo	CHG	-0.044
Gm03	1634919	1635025 Gmdrm	hypo	CHG	-0.45
Gm03	1654278	1654499 Gmdrm	hypo	CHG	-0.3742
Gm03	1654776	1655040 Gmdrm	hypo	CHG	-0.2547
Gm03	1658557	1658622 Gmdrm	hypo	CHG	-0.61
Gm03	1659082	1659262 Gmdrm	hypo	CHG	-0.1767
Gm03	1659368	1659639 Gmdrm	hypo	CHG	-0.6657
Gm03	1660365	1660620 Gmdrm	hypo	CHG	-0.3694
Gm03	1675128	1675315 Gmdrm	hypo	CHG	-0.332
Gm03	1676679	1676978 Gmdrm	hypo	CHG	-0.4467
Gm03	1678245	1678284 Gmdrm	hypo	CHG	-0.9
Gm03	1698640	1699209 Gmdrm	hypo	CHG	-0.4312
Gm03	1702796	1702919 Gmdrm	hypo	CHG	-0.38
Gm03	1703150	1703207 Gmdrm	hypo	CHG	-0.48
Gm03	1708231	1708526 Gmdrm	hypo	CHG	-0.5055
Gm03	1708705	1708850 Gmdrm	hypo	CHG	-0.64
Gm03	1711546	1712198 Gmdrm	hypo	CHG	-0.1795
Gm03	1715345	1715885 Gmdrm	hypo	CHG	-0.2896

Gm03	1743954	1744188	Gmdrm	hypo	CHG	-0.3938
Gm03	1747230	1747512	Gmdrm	hypo	CHG	-0.0466
Gm03	1755916	1756194	Gmdrm	hypo	CHG	-0.1424
Gm03	1756561	1756766	Gmdrm	hypo	CHG	-0.3688
Gm03	1757763	1758093	Gmdrm	hypo	CHG	-0.05
Gm03	1758208	1758388	Gmdrm	hypo	CHG	-0.8413
Gm03	1758509	1758743	Gmdrm	hypo	CHG	-0.9175
Gm03	1778975	1779043	Gmdrm	hypo	CHG	-0.054
Gm03	1779993	1780243	Gmdrm	hypo	CHG	-0.2757
Gm03	1782788	1783787	Gmdrm	hypo	CHG	-0.2743
Gm03	1783815	1784788	Gmdrm	hypo	CHG	-0.2867
Gm03	1784820	1785027	Gmdrm	hypo	CHG	-0.2724
Gm03	1785398	1786333	Gmdrm	hypo	CHG	-0.3328
Gm03	1786408	1786938	Gmdrm	hypo	CHG	-0.3131
Gm03	1787043	1787547	Gmdrm	hypo	CHG	-0.2497
Gm03	1787649	1788504	Gmdrm	hypo	CHG	-0.1004
Gm03	1794009	1794216	Gmdrm	hypo	CHG	-0.2625
Gm03	1795284	1795408	Gmdrm	hypo	CHG	-0.3514
Gm03	1808354	1808490	Gmdrm	hypo	CHG	-0.086
Gm03	1809644	1809803	Gmdrm	hypo	CHG	-0.4244
Gm03	1809925	1810175	Gmdrm	hypo	CHG	-0.5031
Gm03	1810879	1811023	Gmdrm	hypo	CHG	-0.2423
Gm03	1814974	1815096	Gmdrm	hypo	CHG	-0.4417
Gm03	1815367	1815588	Gmdrm	hypo	CHG	-0.4907
Gm03	1818050	1818175	Gmdrm	hypo	CHG	-0.5771
Gm03	1819322	1819604	Gmdrm	hypo	CHG	-0.346
Gm03	1861067	1861170	Gmdrm	hypo	CHG	-0.2792
Gm03	1874997	1875265	Gmdrm	hypo	CHG	-0.7325
Gm03	1875755	1875856	Gmdrm	hypo	CHG	-0.1137
Gm03	1905525	1905749	Gmdrm	hypo	CHG	-0.4507
Gm03	1907886	1907919	Gmdrm	hypo	CHG	-0.5966
Gm03	1913628	1913749	Gmdrm	hypo	CHG	-0.596
Gm03	1938274	1938453	Gmdrm	hypo	CHG	-0.08
Gm03	1941891	1941957	Gmdrm	hypo	CHG	-0.2217
Gm03	1942208	1942504	Gmdrm	hypo	CHG	-0.3353
Gm03	1942631	1943051	Gmdrm	hypo	CHG	-0.0674
Gm03	1950105	1950288	Gmdrm	hypo	CHG	-0.046
Gm03	1950413	1950549	Gmdrm	hypo	CHG	-0.7127
Gm03	1950693	1950847	Gmdrm	hypo	CHG	-0.2291
Gm03	1952787	1953086	Gmdrm	hypo	CHG	-0.042
Gm03	1980865	1980960	Gmdrm	hypo	CHG	-0.515
Gm03	2008020	2008067	Gmdrm	hypo	CHG	-0.835
Gm03	2011192	2011318	Gmdrm	hypo	CHG	-0.5
Gm03	2020533	2020674	Gmdrm	hypo	CHG	-0.7563
Gm03	2020794	2021045	Gmdrm	hypo	CHG	-0.65
Gm03	2026180	2026439	Gmdrm	hypo	CHG	-0.089

Gm03	2042363	2042487 Gmdrm	hypo	CHG	-0.656
Gm03	2048667	2049606 Gmdrm	hypo	CHG	-0.2464
Gm03	2051412	2051452 Gmdrm	hypo	CHG	-0.5613
Gm03	2054368	2054503 Gmdrm	hypo	CHG	-0.4567
Gm03	2055432	2055513 Gmdrm	hypo	CHG	-0.4767
Gm03	2060079	2060271 Gmdrm	hypo	CHG	-0.5605
Gm03	2060396	2060689 Gmdrm	hypo	CHG	-0.438
Gm03	2063613	2063719 Gmdrm	hypo	CHG	-0.6067
Gm03	2064627	2064903 Gmdrm	hypo	CHG	-0.4944
Gm03	2081066	2081245 Gmdrm	hypo	CHG	-0.06
Gm03	2096547	2096708 Gmdrm	hypo	CHG	-0.4667
Gm03	2117443	2117722 Gmdrm	hypo	CHG	-0.3317
Gm03	2131531	2131868 Gmdrm	hypo	CHG	-0.2429
Gm03	2152935	2153050 Gmdrm	hypo	CHG	-0.2257
Gm03	2153917	2154120 Gmdrm	hypo	CHG	-0.7
Gm03	2175145	2175223 Gmdrm	hypo	CHG	-0.36
Gm03	2177118	2177374 Gmdrm	hypo	CHG	-0.08
Gm03	2198511	2199038 Gmdrm	hypo	CHG	-0.33
Gm03	2201638	2201919 Gmdrm	hypo	CHG	-0.0311
Gm03	2206185	2206446 Gmdrm	hypo	CHG	-0.0611
Gm03	2209000	2209498 Gmdrm	hypo	CHG	-0.0892
Gm03	2215105	2215188 Gmdrm	hypo	CHG	-0.1128
Gm03	2217801	2217882 Gmdrm	hypo	CHG	-0.62
Gm03	2218413	2218536 Gmdrm	hypo	CHG	-0.535
Gm03	2218809	2218954 Gmdrm	hypo	CHG	-0.6975
Gm03	2244144	2244215 Gmdrm	hypo	CHG	-0.8963
Gm03	2260532	2260587 Gmdrm	hypo	CHG	-0.082
Gm03	2264683	2264938 Gmdrm	hypo	CHG	-0.2036
Gm03	2269670	2269866 Gmdrm	hypo	CHG	-0.335
Gm03	2277227	2278176 Gmdrm	hypo	CHG	-0.0927
Gm03	2282362	2282508 Gmdrm	hypo	CHG	-0.576
Gm03	2283229	2283356 Gmdrm	hypo	CHG	-0.5129
Gm03	2284355	2284434 Gmdrm	hypo	CHG	-0.0375
Gm03	2306624	2306971 Gmdrm	hypo	CHG	-0.1459
Gm03	2308650	2308725 Gmdrm	hypo	CHG	-0.6817
Gm03	2308984	2309250 Gmdrm	hypo	CHG	-0.5763
Gm03	2323479	2323839 Gmdrm	hypo	CHG	-0.3531
Gm03	2323963	2324363 Gmdrm	hypo	CHG	-0.2355
Gm03	2325144	2325271 Gmdrm	hypo	CHG	-0.38
Gm03	2344811	2344917 Gmdrm	hypo	CHG	-0.5843
Gm03	2359592	2359666 Gmdrm	hypo	CHG	-0.1872
Gm03	2362447	2362816 Gmdrm	hypo	CHG	-0.2964
Gm03	2370248	2370630 Gmdrm	hypo	CHG	-0.2416
Gm03	2395666	2395714 Gmdrm	hypo	CHG	-0.1733
Gm03	2395815	2396159 Gmdrm	hypo	CHG	-0.4157
Gm03	2402150	2402428 Gmdrm	hypo	CHG	-0.155

Gm03	2408405	2408518	Gmdrm	hypo	CHG	-0.8788
Gm03	2408626	2408931	Gmdrm	hypo	CHG	-0.845
Gm03	2411169	2411303	Gmdrm	hypo	CHG	-0.6167
Gm03	2411931	2411978	Gmdrm	hypo	CHG	-0.3866
Gm03	2425211	2425564	Gmdrm	hypo	CHG	-0.03
Gm03	2428034	2428327	Gmdrm	hypo	CHG	-0.0475
Gm03	2434133	2434216	Gmdrm	hypo	CHG	-0.6333
Gm03	2436236	2436484	Gmdrm	hypo	CHG	-0.375
Gm03	2437855	2438380	Gmdrm	hypo	CHG	-0.1718
Gm03	2445285	2445404	Gmdrm	hypo	CHG	-0.2425
Gm03	2462171	2462273	Gmdrm	hypo	CHG	-0.0943
Gm03	2466318	2466440	Gmdrm	hypo	CHG	-0.048
Gm03	2478204	2478264	Gmdrm	hypo	CHG	-0.375
Gm03	2480803	2480903	Gmdrm	hypo	CHG	-0.042
Gm03	2484520	2484597	Gmdrm	hypo	CHG	-0.7033
Gm03	2491537	2491772	Gmdrm	hypo	CHG	-0.3259
Gm03	2492033	2492312	Gmdrm	hypo	CHG	-0.5288
Gm03	2492810	2492917	Gmdrm	hypo	CHG	-0.694
Gm03	2494561	2494732	Gmdrm	hypo	CHG	-0.4586
Gm03	2495423	2495591	Gmdrm	hypo	CHG	-0.5175
Gm03	2497582	2497716	Gmdrm	hypo	CHG	-0.3067
Gm03	2498536	2498626	Gmdrm	hypo	CHG	-0.1366
Gm03	2498810	2498933	Gmdrm	hypo	CHG	-0.9434
Gm03	2527645	2527896	Gmdrm	hypo	CHG	-0.6346
Gm03	2546021	2546491	Gmdrm	hypo	CHG	-0.2276
Gm03	2559125	2559597	Gmdrm	hypo	CHG	-0.2658
Gm03	2561500	2561538	Gmdrm	hypo	CHG	-0.6885
Gm03	2562361	2562635	Gmdrm	hypo	CHG	-0.15
Gm03	2603599	2603898	Gmdrm	hypo	CHG	-0.3246
Gm03	2606791	2606967	Gmdrm	hypo	CHG	-0.2877
Gm03	2621872	2622151	Gmdrm	hypo	CHG	-0.1264
Gm03	2623454	2623770	Gmdrm	hypo	CHG	-0.1909
Gm03	2625582	2626264	Gmdrm	hypo	CHG	-0.3043
Gm03	2627636	2628104	Gmdrm	hypo	CHG	-0.2188
Gm03	2632301	2632425	Gmdrm	hypo	CHG	-0.064
Gm03	2642755	2643084	Gmdrm	hypo	CHG	-0.2055
Gm03	2645391	2645542	Gmdrm	hypo	CHG	-0.4758
Gm03	2645882	2646445	Gmdrm	hypo	CHG	-0.2516
Gm03	2652764	2652828	Gmdrm	hypo	CHG	-0.33
Gm03	2655600	2655712	Gmdrm	hypo	CHG	-0.546
Gm03	2663104	2663172	Gmdrm	hypo	CHG	-0.3014
Gm03	2663593	2663704	Gmdrm	hypo	CHG	-0.0933
Gm03	2664396	2664460	Gmdrm	hypo	CHG	-0.3067
Gm03	2666192	2666701	Gmdrm	hypo	CHG	-0.1872
Gm03	2667263	2667540	Gmdrm	hypo	CHG	-0.2508
Gm03	2670039	2670373	Gmdrm	hypo	CHG	-0.3455

Gm03	2670476	2670965	Gmdrm	hypo	CHG	-0.4141
Gm03	2671419	2671559	Gmdrm	hypo	CHG	-0.348
Gm03	2673878	2674006	Gmdrm	hypo	CHG	-0.5416
Gm03	2676692	2676830	Gmdrm	hypo	CHG	-0.312
Gm03	2677299	2677482	Gmdrm	hypo	CHG	-0.3571
Gm03	2678131	2678551	Gmdrm	hypo	CHG	-0.487
Gm03	2679891	2680177	Gmdrm	hypo	CHG	-0.244
Gm03	2681578	2681664	Gmdrm	hypo	CHG	-0.298
Gm03	2682022	2682304	Gmdrm	hypo	CHG	-0.2169
Gm03	2683821	2683982	Gmdrm	hypo	CHG	-0.4282
Gm03	2684117	2684292	Gmdrm	hypo	CHG	-0.3421
Gm03	2684438	2684643	Gmdrm	hypo	CHG	-0.1171
Gm03	2690795	2690983	Gmdrm	hypo	CHG	-0.247
Gm03	2691756	2691825	Gmdrm	hypo	CHG	-0.07
Gm03	2692079	2692343	Gmdrm	hypo	CHG	-0.1314
Gm03	2695225	2695367	Gmdrm	hypo	CHG	-0.0417
Gm03	2697859	2698447	Gmdrm	hypo	CHG	-0.2604
Gm03	2729809	2730013	Gmdrm	hypo	CHG	-0.5045
Gm03	2731831	2732052	Gmdrm	hypo	CHG	-0.1984
Gm03	2735368	2735631	Gmdrm	hypo	CHG	-0.0467
Gm03	2742812	2742992	Gmdrm	hypo	CHG	-0.0533
Gm03	2743688	2743786	Gmdrm	hypo	CHG	-0.47
Gm03	2744204	2744265	Gmdrm	hypo	CHG	-0.76
Gm03	2767258	2767525	Gmdrm	hypo	CHG	-0.493
Gm03	2767647	2767746	Gmdrm	hypo	CHG	-0.62
Gm03	2768055	2768592	Gmdrm	hypo	CHG	-0.4673
Gm03	2786669	2786775	Gmdrm	hypo	CHG	-0.044
Gm03	2787856	2787927	Gmdrm	hypo	CHG	-0.08
Gm03	2791839	2791885	Gmdrm	hypo	CHG	-0.51
Gm03	2792734	2792805	Gmdrm	hypo	CHG	-0.43
Gm03	2793121	2793287	Gmdrm	hypo	CHG	-0.1425
Gm03	2800940	2801064	Gmdrm	hypo	CHG	-0.2478
Gm03	2803171	2803531	Gmdrm	hypo	CHG	-0.0427
Gm03	2806965	2807040	Gmdrm	hypo	CHG	-0.0733
Gm03	2813963	2814103	Gmdrm	hypo	CHG	-0.3273
Gm03	2815461	2815668	Gmdrm	hypo	CHG	-0.055
Gm03	2818403	2818445	Gmdrm	hypo	CHG	-0.282
Gm03	2818605	2818816	Gmdrm	hypo	CHG	-0.0662
Gm03	2818928	2818980	Gmdrm	hypo	CHG	-0.116
Gm03	2819148	2819179	Gmdrm	hypo	CHG	-0.19
Gm03	2819302	2819545	Gmdrm	hypo	CHG	-0.083
Gm03	2819848	2820090	Gmdrm	hypo	CHG	-0.2107
Gm03	2834818	2834953	Gmdrm	hypo	CHG	-0.388
Gm03	2835178	2835523	Gmdrm	hypo	CHG	-0.4543
Gm03	2841675	2841841	Gmdrm	hypo	CHG	-0.155
Gm03	2846416	2846754	Gmdrm	hypo	CHG	-0.1765

Gm03	2846879	2847009	Gmdrm	hypo	CHG	-0.0443
Gm03	2847282	2847642	Gmdrm	hypo	CHG	-0.2746
Gm03	2848580	2848893	Gmdrm	hypo	CHG	-0.0493
Gm03	2856108	2856369	Gmdrm	hypo	CHG	-0.0513
Gm03	2857834	2857873	Gmdrm	hypo	CHG	-0.155
Gm03	2858885	2859009	Gmdrm	hypo	CHG	-0.0528
Gm03	2874287	2874641	Gmdrm	hypo	CHG	-0.8369
Gm03	2875114	2875232	Gmdrm	hypo	CHG	-0.5867
Gm03	2897912	2897999	Gmdrm	hypo	CHG	-0.8043
Gm03	2907354	2907723	Gmdrm	hypo	CHG	-0.045
Gm03	2911931	2912113	Gmdrm	hypo	CHG	-0.034
Gm03	2912678	2912795	Gmdrm	hypo	CHG	-0.0544
Gm03	2914279	2914550	Gmdrm	hypo	CHG	-0.06
Gm03	2918409	2918612	Gmdrm	hypo	CHG	-0.056
Gm03	2926009	2926142	Gmdrm	hypo	CHG	-0.6217
Gm03	2926254	2926339	Gmdrm	hypo	CHG	-0.662
Gm03	2926463	2926664	Gmdrm	hypo	CHG	-0.3657
Gm03	2947576	2947808	Gmdrm	hypo	CHG	-0.705
Gm03	2947969	2948026	Gmdrm	hypo	CHG	-0.9284
Gm03	2952733	2952912	Gmdrm	hypo	CHG	-0.12
Gm03	2991204	2991390	Gmdrm	hypo	CHG	-0.7355
Gm03	3013157	3013330	Gmdrm	hypo	CHG	-0.5687
Gm03	3046256	3046524	Gmdrm	hypo	CHG	-0.7212
Gm03	3046728	3046817	Gmdrm	hypo	CHG	-0.336
Gm03	3047480	3047792	Gmdrm	hypo	CHG	-0.0511
Gm03	3048489	3048619	Gmdrm	hypo	CHG	-0.4083
Gm03	3050047	3050078	Gmdrm	hypo	CHG	-0.258
Gm03	3050207	3050487	Gmdrm	hypo	CHG	-0.2509
Gm03	3051127	3051202	Gmdrm	hypo	CHG	-0.314
Gm03	3051319	3051597	Gmdrm	hypo	CHG	-0.4181
Gm03	3051713	3051752	Gmdrm	hypo	CHG	-0.6
Gm03	3052519	3052680	Gmdrm	hypo	CHG	-0.71
Gm03	3061882	3062003	Gmdrm	hypo	CHG	-0.5838
Gm03	3066332	3066462	Gmdrm	hypo	CHG	-0.55
Gm03	3076678	3076836	Gmdrm	hypo	CHG	-0.482
Gm03	3077065	3077093	Gmdrm	hypo	CHG	-0.7383
Gm03	3119550	3119792	Gmdrm	hypo	CHG	-0.5565
Gm03	3131761	3131871	Gmdrm	hypo	CHG	-0.05
Gm03	3132581	3132904	Gmdrm	hypo	CHG	-0.226
Gm03	3162179	3162409	Gmdrm	hypo	CHG	-0.6272
Gm03	3165499	3165851	Gmdrm	hypo	CHG	-0.114
Gm03	3172571	3172618	Gmdrm	hypo	CHG	-0.076
Gm03	3185637	3185915	Gmdrm	hypo	CHG	-0.4294
Gm03	3186017	3186075	Gmdrm	hypo	CHG	-0.6528
Gm03	3187324	3187444	Gmdrm	hypo	CHG	-0.5043
Gm03	3188354	3188462	Gmdrm	hypo	CHG	-0.7814

Gm03	3190147	3190312 Gmdrm	hypo	CHG	-0.36
Gm03	3203590	3203715 Gmdrm	hypo	CHG	-0.054
Gm03	3211106	3211257 Gmdrm	hypo	CHG	-0.0483
Gm03	3239921	3240576 Gmdrm	hypo	CHG	-0.1974
Gm03	3268542	3268870 Gmdrm	hypo	CHG	-0.225
Gm03	3281609	3282147 Gmdrm	hypo	CHG	-0.2314
Gm03	3283349	3283690 Gmdrm	hypo	CHG	-0.5371
Gm03	3287470	3288171 Gmdrm	hypo	CHG	-0.2225
Gm03	3297528	3297604 Gmdrm	hypo	CHG	-0.3425
Gm03	3297860	3298130 Gmdrm	hypo	CHG	-0.279
Gm03	3298648	3298824 Gmdrm	hypo	CHG	-0.1422
Gm03	3307168	3307216 Gmdrm	hypo	CHG	-0.321
Gm03	3307805	3307965 Gmdrm	hypo	CHG	-0.1462
Gm03	3317904	3318110 Gmdrm	hypo	CHG	-0.3838
Gm03	3318226	3318306 Gmdrm	hypo	CHG	-0.7116
Gm03	3361637	3362034 Gmdrm	hypo	CHG	-0.333
Gm03	3412379	3412647 Gmdrm	hypo	CHG	-0.1743
Gm03	3429567	3429668 Gmdrm	hypo	CHG	-0.33
Gm03	3430108	3430163 Gmdrm	hypo	CHG	-0.4688
Gm03	3430285	3430438 Gmdrm	hypo	CHG	-0.5145
Gm03	3436720	3436891 Gmdrm	hypo	CHG	-0.78
Gm03	3453248	3453376 Gmdrm	hypo	CHG	-0.672
Gm03	3462605	3462728 Gmdrm	hypo	CHG	-0.16
Gm03	3491988	3492098 Gmdrm	hypo	CHG	-0.444
Gm03	3492202	3492276 Gmdrm	hypo	CHG	-0.3666
Gm03	3493524	3493744 Gmdrm	hypo	CHG	-0.7759
Gm03	3503181	3503781 Gmdrm	hypo	CHG	-0.522
Gm03	3508326	3508497 Gmdrm	hypo	CHG	-0.4099
Gm03	3526630	3526684 Gmdrm	hypo	CHG	-0.7633
Gm03	3526823	3526909 Gmdrm	hypo	CHG	-0.6583
Gm03	3528681	3528830 Gmdrm	hypo	CHG	-0.7486
Gm03	3557000	3557296 Gmdrm	hypo	CHG	-0.705
Gm03	3565543	3565557 Gmdrm	hypo	CHG	-0.0733
Gm03	3568022	3568116 Gmdrm	hypo	CHG	-0.108
Gm03	3583324	3583371 Gmdrm	hypo	CHG	-0.782
Gm03	3601278	3601466 Gmdrm	hypo	CHG	-0.281
Gm03	3611425	3611647 Gmdrm	hypo	CHG	-0.036
Gm03	3625694	3625724 Gmdrm	hypo	CHG	-0.062
Gm03	3631889	3632112 Gmdrm	hypo	CHG	-0.5022
Gm03	3656804	3656972 Gmdrm	hypo	CHG	-0.07
Gm03	3681145	3681209 Gmdrm	hypo	CHG	-0.04
Gm03	3681601	3681768 Gmdrm	hypo	CHG	-0.5816
Gm03	3701492	3701568 Gmdrm	hypo	CHG	-0.3425
Gm03	3702470	3702649 Gmdrm	hypo	CHG	-0.3482
Gm03	3717308	3717405 Gmdrm	hypo	CHG	-0.3599
Gm03	3749555	3749669 Gmdrm	hypo	CHG	-0.464

Gm03	3767146	3768136	Gmdrm	hypo	CHG	-0.0716
Gm03	3769166	3769503	Gmdrm	hypo	CHG	-0.1011
Gm03	3771362	3771390	Gmdrm	hypo	CHG	-0.64
Gm03	3771645	3771755	Gmdrm	hypo	CHG	-0.705
Gm03	3775067	3775282	Gmdrm	hypo	CHG	-0.09
Gm03	3786281	3786464	Gmdrm	hypo	CHG	-0.0757
Gm03	3792179	3792321	Gmdrm	hypo	CHG	-0.3684
Gm03	3798066	3798325	Gmdrm	hypo	CHG	-0.4809
Gm03	3798491	3798543	Gmdrm	hypo	CHG	-0.7887
Gm03	3799050	3799282	Gmdrm	hypo	CHG	-0.606
Gm03	3800355	3800373	Gmdrm	hypo	CHG	-0.09
Gm03	3812529	3813404	Gmdrm	hypo	CHG	-0.574
Gm03	3819085	3819277	Gmdrm	hypo	CHG	-0.2682
Gm03	3836148	3836247	Gmdrm	hypo	CHG	-0.3633
Gm03	3838129	3838202	Gmdrm	hypo	CHG	-0.0517
Gm03	3843606	3843760	Gmdrm	hypo	CHG	-0.038
Gm03	3852976	3853218	Gmdrm	hypo	CHG	-0.3031
Gm03	3870117	3870359	Gmdrm	hypo	CHG	-0.7937
Gm03	3886363	3886492	Gmdrm	hypo	CHG	-0.5311
Gm03	3912302	3912498	Gmdrm	hypo	CHG	-0.65
Gm03	3912835	3912990	Gmdrm	hypo	CHG	-0.776
Gm03	3913092	3913166	Gmdrm	hypo	CHG	-0.6733
Gm03	3913324	3913476	Gmdrm	hypo	CHG	-0.37
Gm03	3913705	3913905	Gmdrm	hypo	CHG	-0.3755
Gm03	3914382	3914700	Gmdrm	hypo	CHG	-0.0588
Gm03	3924328	3924411	Gmdrm	hypo	CHG	-0.756
Gm03	3926626	3926728	Gmdrm	hypo	CHG	-0.5983
Gm03	3927716	3927829	Gmdrm	hypo	CHG	-0.1
Gm03	3928330	3928420	Gmdrm	hypo	CHG	-0.042
Gm03	3931238	3931404	Gmdrm	hypo	CHG	-0.2029
Gm03	3933755	3933946	Gmdrm	hypo	CHG	-0.0633
Gm03	3946331	3946625	Gmdrm	hypo	CHG	-0.4342
Gm03	3960094	3960196	Gmdrm	hypo	CHG	-0.5966
Gm03	3961483	3961653	Gmdrm	hypo	CHG	-0.0983
Gm03	3961980	3962157	Gmdrm	hypo	CHG	-0.6177
Gm03	3969309	3969380	Gmdrm	hypo	CHG	-0.485
Gm03	3995002	3995429	Gmdrm	hypo	CHG	-0.4936
Gm03	3995668	3995725	Gmdrm	hypo	CHG	-0.7672
Gm03	4005937	4006046	Gmdrm	hypo	CHG	-0.0817
Gm03	4013944	4014080	Gmdrm	hypo	CHG	-0.2981
Gm03	4014798	4015220	Gmdrm	hypo	CHG	-0.2168
Gm03	4018243	4018514	Gmdrm	hypo	CHG	-0.077
Gm03	4018628	4018998	Gmdrm	hypo	CHG	-0.238
Gm03	4026262	4026326	Gmdrm	hypo	CHG	-0.078
Gm03	4027736	4028043	Gmdrm	hypo	CHG	-0.5428
Gm03	4028178	4028257	Gmdrm	hypo	CHG	-0.5283

Gm03	4028600	4028847 Gmdrm	hypo	CHG	-0.3831
Gm03	4034497	4034800 Gmdrm	hypo	CHG	-0.648
Gm03	4034920	4035081 Gmdrm	hypo	CHG	-0.8216
Gm03	4040018	4040210 Gmdrm	hypo	CHG	-0.59
Gm03	4040595	4040963 Gmdrm	hypo	CHG	-0.2467
Gm03	4045330	4045372 Gmdrm	hypo	CHG	-0.318
Gm03	4048887	4049497 Gmdrm	hypo	CHG	-0.0966
Gm03	4049602	4049898 Gmdrm	hypo	CHG	-0.2185
Gm03	4053539	4053666 Gmdrm	hypo	CHG	-0.53
Gm03	4053785	4053878 Gmdrm	hypo	CHG	-0.5725
Gm03	4057360	4057415 Gmdrm	hypo	CHG	-0.4617
Gm03	4057831	4057918 Gmdrm	hypo	CHG	-0.634
Gm03	4067510	4067946 Gmdrm	hypo	CHG	-0.3196
Gm03	4074556	4074746 Gmdrm	hypo	CHG	-0.1062
Gm03	4077111	4077528 Gmdrm	hypo	CHG	-0.2623
Gm03	4077902	4078054 Gmdrm	hypo	CHG	-0.3033
Gm03	4082845	4082946 Gmdrm	hypo	CHG	-0.57
Gm03	4083084	4083222 Gmdrm	hypo	CHG	-0.098
Gm03	4245874	4245953 Gmdrm	hypo	CHG	-0.1664
Gm03	4246263	4246477 Gmdrm	hypo	CHG	-0.2846
Gm03	4247402	4247484 Gmdrm	hypo	CHG	-0.1
Gm03	4248363	4248658 Gmdrm	hypo	CHG	-0.3775
Gm03	4300463	4301033 Gmdrm	hypo	CHG	-0.2545
Gm03	4314426	4314855 Gmdrm	hypo	CHG	-0.3204
Gm03	4314987	4315010 Gmdrm	hypo	CHG	-0.415
Gm03	4315408	4315655 Gmdrm	hypo	CHG	-0.436
Gm03	4325618	4325859 Gmdrm	hypo	CHG	-0.2327
Gm03	4325965	4326219 Gmdrm	hypo	CHG	-0.32
Gm03	4326507	4326671 Gmdrm	hypo	CHG	-0.3875
Gm03	4328275	4328902 Gmdrm	hypo	CHG	-0.1115
Gm03	4334239	4334875 Gmdrm	hypo	CHG	-0.0713
Gm03	4335189	4335386 Gmdrm	hypo	CHG	-0.2491
Gm03	4335865	4336236 Gmdrm	hypo	CHG	-0.35
Gm03	4342639	4343059 Gmdrm	hypo	CHG	-0.5414
Gm03	4343273	4343349 Gmdrm	hypo	CHG	-0.39
Gm03	4344319	4344395 Gmdrm	hypo	CHG	-0.03
Gm03	4354774	4355441 Gmdrm	hypo	CHG	-0.2569
Gm03	4383019	4383206 Gmdrm	hypo	CHG	-0.7577
Gm03	4383323	4383528 Gmdrm	hypo	CHG	-0.5271
Gm03	4383633	4383755 Gmdrm	hypo	CHG	-0.6034
Gm03	4383887	4383972 Gmdrm	hypo	CHG	-0.062
Gm03	4392900	4393157 Gmdrm	hypo	CHG	-0.2732
Gm03	4393777	4393934 Gmdrm	hypo	CHG	-0.2755
Gm03	4396433	4396562 Gmdrm	hypo	CHG	-0.3172
Gm03	4402506	4402726 Gmdrm	hypo	CHG	-0.0374
Gm03	4404529	4404753 Gmdrm	hypo	CHG	-0.5269

Gm03	4443481	4443557 Gmdrm	hypo	CHG	-0.545
Gm03	4443718	4443840 Gmdrm	hypo	CHG	-0.7314
Gm03	4458044	4458257 Gmdrm	hypo	CHG	-0.04
Gm03	4483374	4483547 Gmdrm	hypo	CHG	-0.5155
Gm03	4486989	4487308 Gmdrm	hypo	CHG	-0.385
Gm03	4500926	4501063 Gmdrm	hypo	CHG	-0.5909
Gm03	4513377	4513465 Gmdrm	hypo	CHG	-0.0615
Gm03	4559426	4559473 Gmdrm	hypo	CHG	-0.082
Gm03	4560922	4561109 Gmdrm	hypo	CHG	-0.5685
Gm03	4562388	4562548 Gmdrm	hypo	CHG	-0.169
Gm03	4563642	4563694 Gmdrm	hypo	CHG	-0.332
Gm03	4564519	4565334 Gmdrm	hypo	CHG	-0.3545
Gm03	4566432	4566443 Gmdrm	hypo	CHG	-0.2233
Gm03	4595439	4595645 Gmdrm	hypo	CHG	-0.0367
Gm03	4598823	4599010 Gmdrm	hypo	CHG	-0.1873
Gm03	4605171	4605258 Gmdrm	hypo	CHG	-0.474
Gm03	4608411	4609076 Gmdrm	hypo	CHG	-0.5845
Gm03	4622209	4622405 Gmdrm	hypo	CHG	-0.0314
Gm03	4641219	4641572 Gmdrm	hypo	CHG	-0.3871
Gm03	4649201	4649300 Gmdrm	hypo	CHG	-0.492
Gm03	4656412	4656632 Gmdrm	hypo	CHG	-0.0314
Gm03	4659540	4659777 Gmdrm	hypo	CHG	-0.0329
Gm03	4662066	4662236 Gmdrm	hypo	CHG	-0.038
Gm03	4679546	4679656 Gmdrm	hypo	CHG	-0.6533
Gm03	4679790	4679975 Gmdrm	hypo	CHG	-0.6622
Gm03	4680233	4680312 Gmdrm	hypo	CHG	-0.4775
Gm03	4680684	4680848 Gmdrm	hypo	CHG	-0.2379
Gm03	4681294	4681383 Gmdrm	hypo	CHG	-0.8113
Gm03	4684783	4685008 Gmdrm	hypo	CHG	-0.0543
Gm03	4687307	4687375 Gmdrm	hypo	CHG	-0.7044
Gm03	4687882	4688006 Gmdrm	hypo	CHG	-0.37
Gm03	4699033	4699101 Gmdrm	hypo	CHG	-0.484
Gm03	4699250	4699557 Gmdrm	hypo	CHG	-0.1071
Gm03	4699687	4699818 Gmdrm	hypo	CHG	-0.3663
Gm03	4706766	4706829 Gmdrm	hypo	CHG	-0.038
Gm03	4707434	4707530 Gmdrm	hypo	CHG	-0.7314
Gm03	4710097	4710135 Gmdrm	hypo	CHG	-0.16
Gm03	4710260	4710385 Gmdrm	hypo	CHG	-0.7109
Gm03	4716856	4717050 Gmdrm	hypo	CHG	-0.8334
Gm03	4717201	4717260 Gmdrm	hypo	CHG	-0.6283
Gm03	4717983	4718316 Gmdrm	hypo	CHG	-0.25
Gm03	4718588	4718733 Gmdrm	hypo	CHG	-0.3609
Gm03	4724128	4724201 Gmdrm	hypo	CHG	-0.3038
Gm03	4733258	4733469 Gmdrm	hypo	CHG	-0.6512
Gm03	4734013	4734145 Gmdrm	hypo	CHG	-0.1186
Gm03	4736780	4737494 Gmdrm	hypo	CHG	-0.4483

Gm03	4743154	4743337	Gmdrm	hypo	CHG	-0.3242
Gm03	4743452	4743742	Gmdrm	hypo	CHG	-0.3595
Gm03	4747887	4748245	Gmdrm	hypo	CHG	-0.4527
Gm03	4763176	4763357	Gmdrm	hypo	CHG	-0.4208
Gm03	4763755	4763848	Gmdrm	hypo	CHG	-0.6817
Gm03	4767956	4768384	Gmdrm	hypo	CHG	-0.2764
Gm03	4777168	4777292	Gmdrm	hypo	CHG	-0.1415
Gm03	4778776	4779184	Gmdrm	hypo	CHG	-0.2132
Gm03	4783448	4783832	Gmdrm	hypo	CHG	-0.035
Gm03	4785179	4785300	Gmdrm	hypo	CHG	-0.6143
Gm03	4785433	4785489	Gmdrm	hypo	CHG	-0.208
Gm03	4785614	4785800	Gmdrm	hypo	CHG	-0.7046
Gm03	4787193	4787329	Gmdrm	hypo	CHG	-0.4
Gm03	4800226	4800444	Gmdrm	hypo	CHG	-0.6425
Gm03	4800587	4800784	Gmdrm	hypo	CHG	-0.547
Gm03	4845780	4846004	Gmdrm	hypo	CHG	-0.0425
Gm03	4846171	4846315	Gmdrm	hypo	CHG	-0.6078
Gm03	4880942	4881060	Gmdrm	hypo	CHG	-0.2037
Gm03	4904187	4904416	Gmdrm	hypo	CHG	-0.2725
Gm03	4911104	4911886	Gmdrm	hypo	CHG	-0.3192
Gm03	4918582	4918757	Gmdrm	hypo	CHG	-0.0716
Gm03	4920180	4920418	Gmdrm	hypo	CHG	-0.2618
Gm03	4921041	4921232	Gmdrm	hypo	CHG	-0.06
Gm03	4921693	4921842	Gmdrm	hypo	CHG	-0.1244
Gm03	4941364	4942001	Gmdrm	hypo	CHG	-0.1488
Gm03	4970046	4970113	Gmdrm	hypo	CHG	-0.1025
Gm03	4975684	4975755	Gmdrm	hypo	CHG	-0.33
Gm03	4981846	4981945	Gmdrm	hypo	CHG	-0.2757
Gm03	4982064	4982166	Gmdrm	hypo	CHG	-0.6023
Gm03	4982347	4982497	Gmdrm	hypo	CHG	-0.5517
Gm03	4983837	4984457	Gmdrm	hypo	CHG	-0.1458
Gm03	4984587	4984801	Gmdrm	hypo	CHG	-0.6633
Gm03	4987139	4987456	Gmdrm	hypo	CHG	-0.1114
Gm03	4995804	4995925	Gmdrm	hypo	CHG	-0.4129
Gm03	4996891	4997140	Gmdrm	hypo	CHG	-0.57
Gm03	5001157	5001239	Gmdrm	hypo	CHG	-0.4176
Gm03	5022377	5022496	Gmdrm	hypo	CHG	-0.064
Gm03	5023844	5024304	Gmdrm	hypo	CHG	-0.4957
Gm03	5024458	5024494	Gmdrm	hypo	CHG	-0.4886
Gm03	5024621	5024861	Gmdrm	hypo	CHG	-0.6791
Gm03	5024963	5025320	Gmdrm	hypo	CHG	-0.1712
Gm03	5027672	5027886	Gmdrm	hypo	CHG	-0.0429
Gm03	5030388	5030645	Gmdrm	hypo	CHG	-0.37
Gm03	5032722	5032931	Gmdrm	hypo	CHG	-0.0667
Gm03	5034823	5035105	Gmdrm	hypo	CHG	-0.275
Gm03	5038872	5039119	Gmdrm	hypo	CHG	-0.0314

Gm03	5039486	5039604	Gmdrm	hypo	CHG	-0.522
Gm03	5039735	5039820	Gmdrm	hypo	CHG	-0.5553
Gm03	5040070	5040297	Gmdrm	hypo	CHG	-0.91
Gm03	5078281	5079024	Gmdrm	hypo	CHG	-0.1313
Gm03	5094544	5094735	Gmdrm	hypo	CHG	-0.0333
Gm03	5131654	5131780	Gmdrm	hypo	CHG	-0.43
Gm03	5134906	5135213	Gmdrm	hypo	CHG	-0.3038
Gm03	5135321	5135421	Gmdrm	hypo	CHG	-0.5234
Gm03	5135628	5135971	Gmdrm	hypo	CHG	-0.5029
Gm03	5137401	5137747	Gmdrm	hypo	CHG	-0.2764
Gm03	5138924	5139126	Gmdrm	hypo	CHG	-0.3234
Gm03	5139358	5139818	Gmdrm	hypo	CHG	-0.3178
Gm03	5145629	5145917	Gmdrm	hypo	CHG	-0.5425
Gm03	5159142	5159280	Gmdrm	hypo	CHG	-0.8027
Gm03	5184409	5184648	Gmdrm	hypo	CHG	-0.239
Gm03	5187523	5187897	Gmdrm	hypo	CHG	-0.297
Gm03	5196870	5197015	Gmdrm	hypo	CHG	-0.1757
Gm03	5202219	5202275	Gmdrm	hypo	CHG	-0.2708
Gm03	5211765	5212136	Gmdrm	hypo	CHG	-0.2729
Gm03	5243434	5243492	Gmdrm	hypo	CHG	-0.046
Gm03	5259763	5260094	Gmdrm	hypo	CHG	-0.3081
Gm03	5269264	5269627	Gmdrm	hypo	CHG	-0.2857
Gm03	5277927	5278546	Gmdrm	hypo	CHG	-0.2965
Gm03	5278647	5278955	Gmdrm	hypo	CHG	-0.4972
Gm03	5291461	5291794	Gmdrm	hypo	CHG	-0.3672
Gm03	5291960	5292152	Gmdrm	hypo	CHG	-0.1212
Gm03	5292272	5292489	Gmdrm	hypo	CHG	-0.6606
Gm03	5303456	5303655	Gmdrm	hypo	CHG	-0.4154
Gm03	5318750	5319521	Gmdrm	hypo	CHG	-0.4229
Gm03	5323697	5324624	Gmdrm	hypo	CHG	-0.2478
Gm03	5329678	5329757	Gmdrm	hypo	CHG	-0.415
Gm03	5343605	5343878	Gmdrm	hypo	CHG	-0.3206
Gm03	5352053	5352134	Gmdrm	hypo	CHG	-0.64
Gm03	5353795	5353945	Gmdrm	hypo	CHG	-0.7323
Gm03	5368124	5368443	Gmdrm	hypo	CHG	-0.7866
Gm03	5380688	5380826	Gmdrm	hypo	CHG	-0.0567
Gm03	5429958	5430283	Gmdrm	hypo	CHG	-0.2808
Gm03	5460155	5460471	Gmdrm	hypo	CHG	-0.0311
Gm03	5472305	5472411	Gmdrm	hypo	CHG	-0.716
Gm03	5556945	5557196	Gmdrm	hypo	CHG	-0.695
Gm03	5707830	5707932	Gmdrm	hypo	CHG	-0.07
Gm03	5711733	5712092	Gmdrm	hypo	CHG	-0.0736
Gm03	5712635	5712776	Gmdrm	hypo	CHG	-0.529
Gm03	5712906	5713136	Gmdrm	hypo	CHG	-0.6542
Gm03	5713608	5713806	Gmdrm	hypo	CHG	-0.2013
Gm03	5721328	5721544	Gmdrm	hypo	CHG	-0.0433

Gm03	5721726	5721933	Gmdrm	hypo	CHG	-0.753
Gm03	5723240	5723379	Gmdrm	hypo	CHG	-0.148
Gm03	5724155	5724504	Gmdrm	hypo	CHG	-0.083
Gm03	5743125	5743361	Gmdrm	hypo	CHG	-0.2756
Gm03	5743550	5743577	Gmdrm	hypo	CHG	-0.4033
Gm03	5756428	5756899	Gmdrm	hypo	CHG	-0.214
Gm03	5757049	5757139	Gmdrm	hypo	CHG	-0.3966
Gm03	5760676	5760852	Gmdrm	hypo	CHG	-0.074
Gm03	5763722	5763908	Gmdrm	hypo	CHG	-0.3838
Gm03	5852994	5853086	Gmdrm	hypo	CHG	-0.5233
Gm03	5853222	5853441	Gmdrm	hypo	CHG	-0.355
Gm03	5868091	5868875	Gmdrm	hypo	CHG	-0.1981
Gm03	5871843	5871877	Gmdrm	hypo	CHG	-0.1745
Gm03	5873027	5873170	Gmdrm	hypo	CHG	-0.7191
Gm03	5879692	5879791	Gmdrm	hypo	CHG	-0.442
Gm03	5879937	5880297	Gmdrm	hypo	CHG	-0.5054
Gm03	5880528	5880584	Gmdrm	hypo	CHG	-0.7171
Gm03	5880686	5880998	Gmdrm	hypo	CHG	-0.572
Gm03	5912688	5912778	Gmdrm	hypo	CHG	-0.6016
Gm03	5924819	5924919	Gmdrm	hypo	CHG	-0.51
Gm03	5925197	5925285	Gmdrm	hypo	CHG	-0.815
Gm03	5931378	5931505	Gmdrm	hypo	CHG	-0.802
Gm03	5965922	5966689	Gmdrm	hypo	CHG	-0.2055
Gm03	5967281	5967331	Gmdrm	hypo	CHG	-0.6883
Gm03	6170483	6170572	Gmdrm	hypo	CHG	-0.6416
Gm03	6170898	6171241	Gmdrm	hypo	CHG	-0.45
Gm03	6171754	6172424	Gmdrm	hypo	CHG	-0.4055
Gm03	6181527	6181843	Gmdrm	hypo	CHG	-0.2381
Gm03	6182301	6182369	Gmdrm	hypo	CHG	-0.749
Gm03	6188534	6188646	Gmdrm	hypo	CHG	-0.4914
Gm03	6189577	6189944	Gmdrm	hypo	CHG	-0.1773
Gm03	6190612	6191388	Gmdrm	hypo	CHG	-0.3641
Gm03	6191628	6191787	Gmdrm	hypo	CHG	-0.5233
Gm03	6194055	6194513	Gmdrm	hypo	CHG	-0.2818
Gm03	6194726	6194812	Gmdrm	hypo	CHG	-0.5873
Gm03	6194920	6195195	Gmdrm	hypo	CHG	-0.3975
Gm03	6195314	6195419	Gmdrm	hypo	CHG	-0.3783
Gm03	6196082	6196226	Gmdrm	hypo	CHG	-0.3645
Gm03	6196471	6196589	Gmdrm	hypo	CHG	-0.3644
Gm03	6196824	6196881	Gmdrm	hypo	CHG	-0.36
Gm03	6205195	6205307	Gmdrm	hypo	CHG	-0.3686
Gm03	6205788	6206625	Gmdrm	hypo	CHG	-0.5176
Gm03	6224388	6224487	Gmdrm	hypo	CHG	-0.6463
Gm03	6227794	6228224	Gmdrm	hypo	CHG	-0.1112
Gm03	6228530	6228731	Gmdrm	hypo	CHG	-0.186
Gm03	6229096	6229288	Gmdrm	hypo	CHG	-0.2685

Gm03	6237813	6238725	Gmdrm	hypo	CHG	-0.1582
Gm03	6240416	6240906	Gmdrm	hypo	CHG	-0.2785
Gm03	6284410	6284480	Gmdrm	hypo	CHG	-0.2833
Gm03	6320134	6320288	Gmdrm	hypo	CHG	-0.74
Gm03	6391377	6392362	Gmdrm	hypo	CHG	-0.1952
Gm03	6392783	6393090	Gmdrm	hypo	CHG	-0.0623
Gm03	6393378	6393536	Gmdrm	hypo	CHG	-0.03
Gm03	6395947	6396029	Gmdrm	hypo	CHG	-0.4114
Gm03	6399329	6399718	Gmdrm	hypo	CHG	-0.692
Gm03	6402463	6402721	Gmdrm	hypo	CHG	-0.4446
Gm03	6408927	6409103	Gmdrm	hypo	CHG	-0.0367
Gm03	6426503	6426536	Gmdrm	hypo	CHG	-0.632
Gm03	6477973	6478107	Gmdrm	hypo	CHG	-0.498
Gm03	6478237	6478324	Gmdrm	hypo	CHG	-0.566
Gm03	6497900	6498308	Gmdrm	hypo	CHG	-0.4344
Gm03	6500112	6500271	Gmdrm	hypo	CHG	-0.73
Gm03	6500755	6500947	Gmdrm	hypo	CHG	-0.4722
Gm03	6553236	6553341	Gmdrm	hypo	CHG	-0.7137
Gm03	6571006	6571255	Gmdrm	hypo	CHG	-0.2771
Gm03	6571395	6571580	Gmdrm	hypo	CHG	-0.2662
Gm03	6578004	6578074	Gmdrm	hypo	CHG	-0.7286
Gm03	6578675	6578767	Gmdrm	hypo	CHG	-0.6534
Gm03	6581095	6581409	Gmdrm	hypo	CHG	-0.6609
Gm03	6591323	6591669	Gmdrm	hypo	CHG	-0.2542
Gm03	6633942	6634194	Gmdrm	hypo	CHG	-0.2875
Gm03	6697189	6697309	Gmdrm	hypo	CHG	-0.6083
Gm03	6697572	6697830	Gmdrm	hypo	CHG	-0.5968
Gm03	6713143	6713462	Gmdrm	hypo	CHG	-0.7159
Gm03	6714766	6715058	Gmdrm	hypo	CHG	-0.6182
Gm03	6716558	6716771	Gmdrm	hypo	CHG	-0.2613
Gm03	6769413	6769463	Gmdrm	hypo	CHG	-0.0583
Gm03	6769591	6769911	Gmdrm	hypo	CHG	-0.3887
Gm03	6800496	6800518	Gmdrm	hypo	CHG	-0.632
Gm03	6833891	6833986	Gmdrm	hypo	CHG	-0.118
Gm03	6838500	6838546	Gmdrm	hypo	CHG	-0.794
Gm03	6838970	6839084	Gmdrm	hypo	CHG	-0.7382
Gm03	6839301	6839392	Gmdrm	hypo	CHG	-0.5675
Gm03	6839552	6839745	Gmdrm	hypo	CHG	-0.3883
Gm03	6862909	6863129	Gmdrm	hypo	CHG	-0.4386
Gm03	6900525	6900732	Gmdrm	hypo	CHG	-0.5712
Gm03	6902321	6902968	Gmdrm	hypo	CHG	-0.548
Gm03	6903076	6903383	Gmdrm	hypo	CHG	-0.4553
Gm03	6917066	6917123	Gmdrm	hypo	CHG	-0.27
Gm03	6925672	6926133	Gmdrm	hypo	CHG	-0.3682
Gm03	6948198	6948321	Gmdrm	hypo	CHG	-0.6294
Gm03	6957093	6957129	Gmdrm	hypo	CHG	-0.614

Gm03	6957257	6957338	Gmdrm	hypo	CHG	-0.612
Gm03	7010021	7010660	Gmdrm	hypo	CHG	-0.3404
Gm03	7014995	7015283	Gmdrm	hypo	CHG	-0.0355
Gm03	7021530	7021678	Gmdrm	hypo	CHG	-0.4133
Gm03	7027770	7028037	Gmdrm	hypo	CHG	-0.147
Gm03	7028173	7028492	Gmdrm	hypo	CHG	-0.301
Gm03	7028768	7028794	Gmdrm	hypo	CHG	-0.2617
Gm03	7029720	7030075	Gmdrm	hypo	CHG	-0.3411
Gm03	7031176	7031377	Gmdrm	hypo	CHG	-0.295
Gm03	7050849	7051031	Gmdrm	hypo	CHG	-0.2736
Gm03	7061105	7061462	Gmdrm	hypo	CHG	-0.3495
Gm03	7061578	7061959	Gmdrm	hypo	CHG	-0.1807
Gm03	7062388	7062412	Gmdrm	hypo	CHG	-0.34
Gm03	7063157	7063278	Gmdrm	hypo	CHG	-0.0736
Gm03	7073057	7073238	Gmdrm	hypo	CHG	-0.1133
Gm03	7075931	7076244	Gmdrm	hypo	CHG	-0.3525
Gm03	7076363	7076443	Gmdrm	hypo	CHG	-0.5717
Gm03	7089737	7089869	Gmdrm	hypo	CHG	-0.4267
Gm03	7098322	7098438	Gmdrm	hypo	CHG	-0.1733
Gm03	7103844	7103920	Gmdrm	hypo	CHG	-0.8212
Gm03	7104513	7104594	Gmdrm	hypo	CHG	-0.89
Gm03	7115600	7115900	Gmdrm	hypo	CHG	-0.3118
Gm03	7116059	7116179	Gmdrm	hypo	CHG	-0.595
Gm03	7118951	7119089	Gmdrm	hypo	CHG	-0.5333
Gm03	7146794	7146956	Gmdrm	hypo	CHG	-0.044
Gm03	7149031	7149197	Gmdrm	hypo	CHG	-0.9333
Gm03	7149638	7149769	Gmdrm	hypo	CHG	-0.7399
Gm03	7149994	7150334	Gmdrm	hypo	CHG	-0.9576
Gm03	7152831	7153088	Gmdrm	hypo	CHG	-0.6266
Gm03	7153556	7153702	Gmdrm	hypo	CHG	-0.1771
Gm03	7179441	7179660	Gmdrm	hypo	CHG	-0.353
Gm03	7328842	7329575	Gmdrm	hypo	CHG	-0.2595
Gm03	7330733	7330851	Gmdrm	hypo	CHG	-0.2733
Gm03	7330984	7331019	Gmdrm	hypo	CHG	-0.2383
Gm03	7336871	7337868	Gmdrm	hypo	CHG	-0.1888
Gm03	7354941	7355102	Gmdrm	hypo	CHG	-0.37
Gm03	7473866	7474135	Gmdrm	hypo	CHG	-0.3356
Gm03	7486857	7487155	Gmdrm	hypo	CHG	-0.3593
Gm03	7487271	7487409	Gmdrm	hypo	CHG	-0.2825
Gm03	7595412	7595459	Gmdrm	hypo	CHG	-0.0866
Gm03	7600188	7600200	Gmdrm	hypo	CHG	-0.9467
Gm03	7600320	7600382	Gmdrm	hypo	CHG	-0.948
Gm03	7600533	7600603	Gmdrm	hypo	CHG	-0.9689
Gm03	7621200	7621342	Gmdrm	hypo	CHG	-0.4158
Gm03	7621467	7621565	Gmdrm	hypo	CHG	-0.4884
Gm03	7636972	7637614	Gmdrm	hypo	CHG	-0.1962

Gm03	7660057	7660132	Gmdrm	hypo	CHG	-0.834
Gm03	7660429	7660548	Gmdrm	hypo	CHG	-0.9024
Gm03	7661824	7661896	Gmdrm	hypo	CHG	-0.055
Gm03	7671379	7671874	Gmdrm	hypo	CHG	-0.3431
Gm03	7683316	7683379	Gmdrm	hypo	CHG	-0.222
Gm03	7684940	7685052	Gmdrm	hypo	CHG	-0.7799
Gm03	7723828	7723964	Gmdrm	hypo	CHG	-0.5071
Gm03	7737739	7738133	Gmdrm	hypo	CHG	-0.1182
Gm03	7750216	7750308	Gmdrm	hypo	CHG	-0.8613
Gm03	7752325	7753081	Gmdrm	hypo	CHG	-0.3073
Gm03	7780816	7780902	Gmdrm	hypo	CHG	-0.51
Gm03	7781298	7781453	Gmdrm	hypo	CHG	-0.8772
Gm03	7781582	7781727	Gmdrm	hypo	CHG	-0.2933
Gm03	7787781	7787917	Gmdrm	hypo	CHG	-0.574
Gm03	7788123	7788193	Gmdrm	hypo	CHG	-0.5
Gm03	7788587	7788613	Gmdrm	hypo	CHG	-0.5714
Gm03	7789522	7789647	Gmdrm	hypo	CHG	-0.3375
Gm03	7791218	7791631	Gmdrm	hypo	CHG	-0.2547
Gm03	7795589	7795781	Gmdrm	hypo	CHG	-0.0684
Gm03	7801195	7801420	Gmdrm	hypo	CHG	-0.056
Gm03	7814408	7814996	Gmdrm	hypo	CHG	-0.21
Gm03	7818924	7819089	Gmdrm	hypo	CHG	-0.44
Gm03	7843132	7843263	Gmdrm	hypo	CHG	-0.2613
Gm03	7850525	7850636	Gmdrm	hypo	CHG	-0.682
Gm03	7851587	7851706	Gmdrm	hypo	CHG	-0.5775
Gm03	7892057	7892144	Gmdrm	hypo	CHG	-0.8544
Gm03	7892459	7892747	Gmdrm	hypo	CHG	-0.8435
Gm03	7893538	7893624	Gmdrm	hypo	CHG	-0.7017
Gm03	7941917	7941954	Gmdrm	hypo	CHG	-0.07
Gm03	7951207	7951717	Gmdrm	hypo	CHG	-0.2067
Gm03	7976092	7976479	Gmdrm	hypo	CHG	-0.1118
Gm03	7990544	7990825	Gmdrm	hypo	CHG	-0.2621
Gm03	8008950	8009353	Gmdrm	hypo	CHG	-0.5469
Gm03	8011894	8011964	Gmdrm	hypo	CHG	-0.45
Gm03	8024356	8024450	Gmdrm	hypo	CHG	-0.372
Gm03	8044186	8044492	Gmdrm	hypo	CHG	-0.6409
Gm03	8050133	8050485	Gmdrm	hypo	CHG	-0.3837
Gm03	8071167	8071743	Gmdrm	hypo	CHG	-0.4172
Gm03	8093225	8093504	Gmdrm	hypo	CHG	-0.0317
Gm03	8207702	8207839	Gmdrm	hypo	CHG	-0.4566
Gm03	8237972	8238101	Gmdrm	hypo	CHG	-0.645
Gm03	8250527	8250808	Gmdrm	hypo	CHG	-0.06
Gm03	8271621	8272052	Gmdrm	hypo	CHG	-0.4805
Gm03	8306713	8306851	Gmdrm	hypo	CHG	-0.3716
Gm03	8313382	8313558	Gmdrm	hypo	CHG	-0.0372
Gm03	8319863	8319976	Gmdrm	hypo	CHG	-0.6575

Gm03	8321420	8321482	Gmdrm	hypo	CHG	-0.902
Gm03	8360517	8360878	Gmdrm	hypo	CHG	-0.15
Gm03	8361559	8361843	Gmdrm	hypo	CHG	-0.6562
Gm03	8377666	8377938	Gmdrm	hypo	CHG	-0.0387
Gm03	8378080	8378595	Gmdrm	hypo	CHG	-0.3
Gm03	8424909	8425078	Gmdrm	hypo	CHG	-0.6123
Gm03	8515762	8515856	Gmdrm	hypo	CHG	-0.17
Gm03	8516162	8516323	Gmdrm	hypo	CHG	-0.3272
Gm03	8522943	8523173	Gmdrm	hypo	CHG	-0.536
Gm03	8523907	8524348	Gmdrm	hypo	CHG	-0.0141
Gm03	8556988	8557553	Gmdrm	hypo	CHG	-0.0949
Gm03	8645547	8645669	Gmdrm	hypo	CHG	-0.7309
Gm03	8696431	8697090	Gmdrm	hypo	CHG	-0.2726
Gm03	8735275	8735447	Gmdrm	hypo	CHG	-0.3287
Gm03	8739122	8739218	Gmdrm	hypo	CHG	-0.791
Gm03	8740947	8741025	Gmdrm	hypo	CHG	-0.4783
Gm03	8746416	8746621	Gmdrm	hypo	CHG	-0.2829
Gm03	8786499	8786934	Gmdrm	hypo	CHG	-0.3629
Gm03	8806888	8806959	Gmdrm	hypo	CHG	-0.046
Gm03	8812264	8812398	Gmdrm	hypo	CHG	-0.5983
Gm03	8813828	8814136	Gmdrm	hypo	CHG	-0.59
Gm03	8846878	8847039	Gmdrm	hypo	CHG	-0.4314
Gm03	8847839	8847888	Gmdrm	hypo	CHG	-0.6216
Gm03	8847991	8848233	Gmdrm	hypo	CHG	-0.4527
Gm03	8913609	8913747	Gmdrm	hypo	CHG	-0.3833
Gm03	9000520	9000574	Gmdrm	hypo	CHG	-0.348
Gm03	9002289	9002559	Gmdrm	hypo	CHG	-0.52
Gm03	9012055	9012211	Gmdrm	hypo	CHG	-0.2
Gm03	9012358	9012586	Gmdrm	hypo	CHG	-0.3279
Gm03	9015986	9016433	Gmdrm	hypo	CHG	-0.1932
Gm03	9021006	9021175	Gmdrm	hypo	CHG	-0.0983
Gm03	9024079	9024133	Gmdrm	hypo	CHG	-0.224
Gm03	9024666	9025067	Gmdrm	hypo	CHG	-0.1168
Gm03	9025170	9025387	Gmdrm	hypo	CHG	-0.0922
Gm03	9029257	9029296	Gmdrm	hypo	CHG	-0.235
Gm03	9029732	9030115	Gmdrm	hypo	CHG	-0.3721
Gm03	9030251	9030311	Gmdrm	hypo	CHG	-0.3445
Gm03	9031212	9031419	Gmdrm	hypo	CHG	-0.3542
Gm03	9032422	9032503	Gmdrm	hypo	CHG	-0.2283
Gm03	9047433	9047624	Gmdrm	hypo	CHG	-0.2938
Gm03	9048756	9048978	Gmdrm	hypo	CHG	-0.2939
Gm03	9049116	9049139	Gmdrm	hypo	CHG	-0.228
Gm03	9051438	9051520	Gmdrm	hypo	CHG	-0.24
Gm03	9081962	9082116	Gmdrm	hypo	CHG	-0.402
Gm03	9101712	9102638	Gmdrm	hypo	CHG	-0.2759
Gm03	9122855	9123201	Gmdrm	hypo	CHG	-0.3155

Gm03	9148591	9148759	Gmdrm	hypo	CHG	-0.3629
Gm03	9164476	9164625	Gmdrm	hypo	CHG	-0.4999
Gm03	9179247	9179338	Gmdrm	hypo	CHG	-0.6412
Gm03	9287262	9287499	Gmdrm	hypo	CHG	-0.387
Gm03	9299393	9299424	Gmdrm	hypo	CHG	-0.235
Gm03	9303952	9304527	Gmdrm	hypo	CHG	-0.3204
Gm03	9324199	9324344	Gmdrm	hypo	CHG	-0.383
Gm03	9568481	9568526	Gmdrm	hypo	CHG	-0.7
Gm03	9569864	9570061	Gmdrm	hypo	CHG	-0.604
Gm03	9771285	9771328	Gmdrm	hypo	CHG	-0.4687
Gm03	9790689	9790768	Gmdrm	hypo	CHG	-0.6258
Gm03	9834977	9835130	Gmdrm	hypo	CHG	-0.24
Gm03	9844170	9844269	Gmdrm	hypo	CHG	-0.505
Gm03	9844398	9844561	Gmdrm	hypo	CHG	-0.2663
Gm03	10072021	10072124	Gmdrm	hypo	CHG	-0.0317
Gm03	10075706	10075933	Gmdrm	hypo	CHG	-0.0533
Gm03	10174171	10174188	Gmdrm	hypo	CHG	-0.4316
Gm03	10190100	10190597	Gmdrm	hypo	CHG	-0.1337
Gm03	10195183	10195291	Gmdrm	hypo	CHG	-0.2438
Gm03	10195418	10195497	Gmdrm	hypo	CHG	-0.14
Gm03	10202965	10203086	Gmdrm	hypo	CHG	-0.2857
Gm03	10204019	10204101	Gmdrm	hypo	CHG	-0.48
Gm03	10212153	10212324	Gmdrm	hypo	CHG	-0.5183
Gm03	10212426	10212543	Gmdrm	hypo	CHG	-0.636
Gm03	10214414	10214997	Gmdrm	hypo	CHG	-0.5363
Gm03	10313347	10313472	Gmdrm	hypo	CHG	-0.7959
Gm03	10319711	10319850	Gmdrm	hypo	CHG	-0.228
Gm03	10320893	10321007	Gmdrm	hypo	CHG	-0.054
Gm03	10321236	10321421	Gmdrm	hypo	CHG	-0.7071
Gm03	10344505	10344867	Gmdrm	hypo	CHG	-0.137
Gm03	10573332	10573508	Gmdrm	hypo	CHG	-0.4283
Gm03	10595998	10596062	Gmdrm	hypo	CHG	-0.3316
Gm03	10600335	10600390	Gmdrm	hypo	CHG	-0.6671
Gm03	10613804	10613827	Gmdrm	hypo	CHG	-0.715
Gm03	10618147	10618318	Gmdrm	hypo	CHG	-0.632
Gm03	10620795	10621147	Gmdrm	hypo	CHG	-0.6281
Gm03	10672250	10672566	Gmdrm	hypo	CHG	-0.104
Gm03	10672674	10672830	Gmdrm	hypo	CHG	-0.3577
Gm03	10685177	10685384	Gmdrm	hypo	CHG	-0.5128
Gm03	10790009	10790225	Gmdrm	hypo	CHG	-0.0543
Gm03	10870946	10871167	Gmdrm	hypo	CHG	-0.0557
Gm03	10871352	10871376	Gmdrm	hypo	CHG	-0.175
Gm03	10947132	10947314	Gmdrm	hypo	CHG	-0.02
Gm03	10988874	10989250	Gmdrm	hypo	CHG	-0.1778
Gm03	11332296	11332546	Gmdrm	hypo	CHG	-0.32
Gm03	11934050	11934134	Gmdrm	hypo	CHG	-0.6681

Gm03	11938689	11938858	Gmdrm	hypo	CHG	-0.5575
Gm03	11941351	11941659	Gmdrm	hypo	CHG	-0.6088
Gm03	11964351	11964735	Gmdrm	hypo	CHG	-0.31
Gm03	11965583	11965708	Gmdrm	hypo	CHG	-0.3766
Gm03	11968645	11969100	Gmdrm	hypo	CHG	-0.3776
Gm03	11969600	11969922	Gmdrm	hypo	CHG	-0.3368
Gm03	11970220	11970611	Gmdrm	hypo	CHG	-0.27
Gm03	11970884	11971226	Gmdrm	hypo	CHG	-0.3496
Gm03	11976262	11976820	Gmdrm	hypo	CHG	-0.4358
Gm03	11979247	11979454	Gmdrm	hypo	CHG	-0.72
Gm03	11979571	11979659	Gmdrm	hypo	CHG	-0.692
Gm03	12001843	12002081	Gmdrm	hypo	CHG	-0.52
Gm03	12447452	12447645	Gmdrm	hypo	CHG	-0.1736
Gm03	12991580	12991679	Gmdrm	hypo	CHG	-0.506
Gm03	12991793	12991933	Gmdrm	hypo	CHG	-0.566
Gm03	14057167	14057360	Gmdrm	hypo	CHG	-0.044
Gm03	14071153	14071351	Gmdrm	hypo	CHG	-0.1436
Gm03	14096395	14096541	Gmdrm	hypo	CHG	-0.29
Gm03	14096872	14097053	Gmdrm	hypo	CHG	-0.8183
Gm03	14110841	14111062	Gmdrm	hypo	CHG	-0.6363
Gm03	14111461	14111685	Gmdrm	hypo	CHG	-0.7089
Gm03	14154568	14155215	Gmdrm	hypo	CHG	-0.6204
Gm03	14155377	14155489	Gmdrm	hypo	CHG	-0.6867
Gm03	14158676	14158778	Gmdrm	hypo	CHG	-0.6275
Gm03	14158922	14159264	Gmdrm	hypo	CHG	-0.1744
Gm03	14187678	14187951	Gmdrm	hypo	CHG	-0.0675
Gm03	14191477	14191606	Gmdrm	hypo	CHG	-0.032
Gm03	14192387	14192670	Gmdrm	hypo	CHG	-0.6133
Gm03	14193661	14193752	Gmdrm	hypo	CHG	-0.425
Gm03	14200081	14200380	Gmdrm	hypo	CHG	-0.2753
Gm03	14230720	14230907	Gmdrm	hypo	CHG	-0.48
Gm03	14235181	14235327	Gmdrm	hypo	CHG	-0.25
Gm03	14427143	14427580	Gmdrm	hypo	CHG	-0.1482
Gm03	14432052	14432197	Gmdrm	hypo	CHG	-0.2743
Gm03	14432352	14432371	Gmdrm	hypo	CHG	-0.2016
Gm03	14437583	14438249	Gmdrm	hypo	CHG	-0.1861
Gm03	14442834	14443211	Gmdrm	hypo	CHG	-0.3724
Gm03	14453655	14454296	Gmdrm	hypo	CHG	-0.055
Gm03	14462669	14462913	Gmdrm	hypo	CHG	-0.7067
Gm03	14482811	14482917	Gmdrm	hypo	CHG	-0.8042
Gm03	14483048	14483255	Gmdrm	hypo	CHG	-0.097
Gm03	14486981	14487255	Gmdrm	hypo	CHG	-0.3793
Gm03	14500251	14500374	Gmdrm	hypo	CHG	-0.4188
Gm03	14542481	14542687	Gmdrm	hypo	CHG	-0.123
Gm03	14544934	14544971	Gmdrm	hypo	CHG	-0.3233
Gm03	14561068	14561160	Gmdrm	hypo	CHG	-0.4462

Gm03	14567081	14567298	Gmdrm	hypo	CHG	-0.15
Gm03	14678734	14678938	Gmdrm	hypo	CHG	-0.41
Gm03	14690916	14691068	Gmdrm	hypo	CHG	-0.5885
Gm03	14695105	14695120	Gmdrm	hypo	CHG	-0.082
Gm03	14696983	14697106	Gmdrm	hypo	CHG	-0.6227
Gm03	15159118	15159232	Gmdrm	hypo	CHG	-0.8029
Gm03	15159341	15159567	Gmdrm	hypo	CHG	-0.5989
Gm03	15163488	15163658	Gmdrm	hypo	CHG	-0.272
Gm03	15168050	15168175	Gmdrm	hypo	CHG	-0.3212
Gm03	15169532	15169785	Gmdrm	hypo	CHG	-0.4928
Gm03	15334257	15334413	Gmdrm	hypo	CHG	-0.975
Gm03	15339854	15340381	Gmdrm	hypo	CHG	-0.4405
Gm03	15341901	15342372	Gmdrm	hypo	CHG	-0.3843
Gm03	15342537	15342827	Gmdrm	hypo	CHG	-0.3832
Gm03	15344140	15344470	Gmdrm	hypo	CHG	-0.436
Gm03	15346482	15346772	Gmdrm	hypo	CHG	-0.139
Gm03	15359194	15359408	Gmdrm	hypo	CHG	-0.0267
Gm03	15360151	15360547	Gmdrm	hypo	CHG	-0.351
Gm03	15360658	15360917	Gmdrm	hypo	CHG	-0.3695
Gm03	15583300	15583613	Gmdrm	hypo	CHG	-0.0342
Gm03	15757180	15757365	Gmdrm	hypo	CHG	-0.2
Gm03	15874100	15874637	Gmdrm	hypo	CHG	-0.6564
Gm03	15877239	15877348	Gmdrm	hypo	CHG	-0.0283
Gm03	15997079	15997255	Gmdrm	hypo	CHG	-0.044
Gm03	16007145	16007298	Gmdrm	hypo	CHG	-0.0634
Gm03	16168985	16169028	Gmdrm	hypo	CHG	-0.2425
Gm03	16308276	16308470	Gmdrm	hypo	CHG	-0.0622
Gm03	16308621	16308778	Gmdrm	hypo	CHG	-0.3873
Gm03	16445421	16445641	Gmdrm	hypo	CHG	-0.48
Gm03	16445852	16445892	Gmdrm	hypo	CHG	-0.67
Gm03	16446033	16446127	Gmdrm	hypo	CHG	-0.5472
Gm03	16446257	16446347	Gmdrm	hypo	CHG	-0.0617
Gm03	16455199	16455235	Gmdrm	hypo	CHG	-0.512
Gm03	16459712	16460068	Gmdrm	hypo	CHG	-0.5472
Gm03	16460178	16460405	Gmdrm	hypo	CHG	-0.031
Gm03	16467374	16467433	Gmdrm	hypo	CHG	-0.4443
Gm03	16486003	16486187	Gmdrm	hypo	CHG	-0.7688
Gm03	16487259	16487333	Gmdrm	hypo	CHG	-0.4138
Gm03	16519842	16520151	Gmdrm	hypo	CHG	-0.347
Gm03	16540469	16540625	Gmdrm	hypo	CHG	-0.592
Gm03	16540773	16540892	Gmdrm	hypo	CHG	-0.6088
Gm03	16541069	16541296	Gmdrm	hypo	CHG	-0.6
Gm03	16541740	16541894	Gmdrm	hypo	CHG	-0.585
Gm03	16542134	16542281	Gmdrm	hypo	CHG	-0.5462
Gm03	16551788	16552332	Gmdrm	hypo	CHG	-0.3715
Gm03	16555764	16555945	Gmdrm	hypo	CHG	-0.3126

Gm03	16570567	16570691	Gmdrm	hypo	CHG	-0.0867
Gm03	16590991	16591071	Gmdrm	hypo	CHG	-0.575
Gm03	16618184	16618279	Gmdrm	hypo	CHG	-0.535
Gm03	16636326	16636379	Gmdrm	hypo	CHG	-0.2925
Gm03	16641386	16641452	Gmdrm	hypo	CHG	-0.265
Gm03	16726266	16726467	Gmdrm	hypo	CHG	-0.5663
Gm03	16733237	16733448	Gmdrm	hypo	CHG	-0.0744
Gm03	16787166	16787337	Gmdrm	hypo	CHG	-0.6284
Gm03	16795963	16796139	Gmdrm	hypo	CHG	-0.4333
Gm03	16808950	16809040	Gmdrm	hypo	CHG	-0.828
Gm03	16809666	16809797	Gmdrm	hypo	CHG	-0.7325
Gm03	16810123	16810265	Gmdrm	hypo	CHG	-0.7
Gm03	16811067	16811124	Gmdrm	hypo	CHG	-0.8817
Gm03	16830021	16830144	Gmdrm	hypo	CHG	-0.6234
Gm03	16832297	16832327	Gmdrm	hypo	CHG	-0.6383
Gm03	16965089	16965452	Gmdrm	hypo	CHG	-0.1747
Gm03	16984501	16984561	Gmdrm	hypo	CHG	-0.174
Gm03	16994180	16994240	Gmdrm	hypo	CHG	-0.2
Gm03	17031409	17031524	Gmdrm	hypo	CHG	-0.4934
Gm03	17031635	17031817	Gmdrm	hypo	CHG	-0.3037
Gm03	17033549	17034418	Gmdrm	hypo	CHG	-0.3508
Gm03	17042033	17042212	Gmdrm	hypo	CHG	-0.56
Gm03	17044342	17044447	Gmdrm	hypo	CHG	-0.05
Gm03	17044598	17044761	Gmdrm	hypo	CHG	-0.4722
Gm03	17052126	17052273	Gmdrm	hypo	CHG	-0.4934
Gm03	17052464	17052589	Gmdrm	hypo	CHG	-0.67
Gm03	17058884	17058931	Gmdrm	hypo	CHG	-0.5933
Gm03	17072590	17072720	Gmdrm	hypo	CHG	-0.0989
Gm03	17073838	17073954	Gmdrm	hypo	CHG	-0.476
Gm03	17093406	17093509	Gmdrm	hypo	CHG	-0.621
Gm03	17093622	17093703	Gmdrm	hypo	CHG	-0.642
Gm03	17093890	17094004	Gmdrm	hypo	CHG	-0.7925
Gm03	17100486	17100580	Gmdrm	hypo	CHG	-0.4016
Gm03	17101064	17101230	Gmdrm	hypo	CHG	-0.0914
Gm03	17104479	17104579	Gmdrm	hypo	CHG	-0.442
Gm03	17117412	17117543	Gmdrm	hypo	CHG	-0.752
Gm03	17150590	17150761	Gmdrm	hypo	CHG	-0.5228
Gm03	17289412	17289579	Gmdrm	hypo	CHG	-0.2438
Gm03	17323345	17323954	Gmdrm	hypo	CHG	-0.3175
Gm03	17326917	17327414	Gmdrm	hypo	CHG	-0.3348
Gm03	17430993	17431116	Gmdrm	hypo	CHG	-0.5325
Gm03	17431511	17432019	Gmdrm	hypo	CHG	-0.1447
Gm03	17439507	17439570	Gmdrm	hypo	CHG	-0.275
Gm03	17440091	17440214	Gmdrm	hypo	CHG	-0.645
Gm03	17440359	17440734	Gmdrm	hypo	CHG	-0.504
Gm03	17441391	17441420	Gmdrm	hypo	CHG	-0.3867

Gm03	17488060	17488284	Gmdrm	hypo	CHG	-0.6222
Gm03	17491194	17491373	Gmdrm	hypo	CHG	-0.587
Gm03	17496435	17496587	Gmdrm	hypo	CHG	-0.0333
Gm03	17528547	17528721	Gmdrm	hypo	CHG	-0.6167
Gm03	17539103	17539354	Gmdrm	hypo	CHG	-0.62
Gm03	17542730	17543144	Gmdrm	hypo	CHG	-0.5131
Gm03	17544250	17545236	Gmdrm	hypo	CHG	-0.2315
Gm03	17545564	17545746	Gmdrm	hypo	CHG	-0.238
Gm03	17586628	17586749	Gmdrm	hypo	CHG	-0.044
Gm03	17587486	17587657	Gmdrm	hypo	CHG	-0.54
Gm03	17587923	17588286	Gmdrm	hypo	CHG	-0.2895
Gm03	17588512	17588586	Gmdrm	hypo	CHG	-0.3575
Gm03	17588885	17589117	Gmdrm	hypo	CHG	-0.3333
Gm03	17623354	17623851	Gmdrm	hypo	CHG	-0.1841
Gm03	17637497	17637537	Gmdrm	hypo	CHG	-0.7617
Gm03	17638903	17638959	Gmdrm	hypo	CHG	-0.482
Gm03	17639164	17639340	Gmdrm	hypo	CHG	-0.2481
Gm03	17644898	17645078	Gmdrm	hypo	CHG	-0.265
Gm03	17659329	17659595	Gmdrm	hypo	CHG	-0.4526
Gm03	17659730	17659842	Gmdrm	hypo	CHG	-0.112
Gm03	17673409	17673571	Gmdrm	hypo	CHG	-0.4284
Gm03	17683047	17683126	Gmdrm	hypo	CHG	-0.9529
Gm03	17701792	17702020	Gmdrm	hypo	CHG	-0.489
Gm03	17725593	17725774	Gmdrm	hypo	CHG	-0.715
Gm03	17725948	17726016	Gmdrm	hypo	CHG	-0.424
Gm03	17746883	17746968	Gmdrm	hypo	CHG	-0.2834
Gm03	17750496	17750725	Gmdrm	hypo	CHG	-0.0311
Gm03	17753817	17754047	Gmdrm	hypo	CHG	-0.1593
Gm03	17758043	17758069	Gmdrm	hypo	CHG	-0.07
Gm03	17761897	17762162	Gmdrm	hypo	CHG	-0.1018
Gm03	17779678	17779827	Gmdrm	hypo	CHG	-0.1875
Gm03	17783348	17783411	Gmdrm	hypo	CHG	-0.5757
Gm03	17785592	17785838	Gmdrm	hypo	CHG	-0.7432
Gm03	17794509	17794808	Gmdrm	hypo	CHG	-0.4033
Gm03	17795124	17795226	Gmdrm	hypo	CHG	-0.4372
Gm03	17797708	17797792	Gmdrm	hypo	CHG	-0.658
Gm03	17797974	17798034	Gmdrm	hypo	CHG	-0.555
Gm03	17798137	17798443	Gmdrm	hypo	CHG	-0.6575
Gm03	17802446	17802540	Gmdrm	hypo	CHG	-0.8017
Gm03	17802830	17803117	Gmdrm	hypo	CHG	-0.8087
Gm03	17875617	17875823	Gmdrm	hypo	CHG	-0.6012
Gm03	17889914	17889970	Gmdrm	hypo	CHG	-0.37
Gm03	17937669	17937714	Gmdrm	hypo	CHG	-0.262
Gm03	17973556	17973610	Gmdrm	hypo	CHG	-0.8733
Gm03	17983230	17983361	Gmdrm	hypo	CHG	-0.374
Gm03	17983556	17983927	Gmdrm	hypo	CHG	-0.2608

Gm03	18043451	18043594	Gmdrm	hypo	CHG	-0.39
Gm03	18142591	18142709	Gmdrm	hypo	CHG	-0.3934
Gm03	18733145	18733354	Gmdrm	hypo	CHG	-0.045
Gm03	18769773	18769848	Gmdrm	hypo	CHG	-0.885
Gm03	18773031	18773147	Gmdrm	hypo	CHG	-0.4938
Gm03	18773272	18773398	Gmdrm	hypo	CHG	-0.2578
Gm03	18789249	18789439	Gmdrm	hypo	CHG	-0.581
Gm03	18799034	18799266	Gmdrm	hypo	CHG	-0.332
Gm03	18846856	18847055	Gmdrm	hypo	CHG	-0.705
Gm03	18852819	18853738	Gmdrm	hypo	CHG	-0.2627
Gm03	18854569	18855011	Gmdrm	hypo	CHG	-0.1934
Gm03	18860119	18860233	Gmdrm	hypo	CHG	-0.83
Gm03	18919325	18919413	Gmdrm	hypo	CHG	-0.2758
Gm03	19071386	19071652	Gmdrm	hypo	CHG	-0.3053
Gm03	19330998	19331036	Gmdrm	hypo	CHG	-0.6317
Gm03	19562948	19563099	Gmdrm	hypo	CHG	-0.0823
Gm03	19568076	19568449	Gmdrm	hypo	CHG	-0.3684
Gm03	19570268	19570473	Gmdrm	hypo	CHG	-0.665
Gm03	19571569	19572063	Gmdrm	hypo	CHG	-0.4207
Gm03	19590408	19590518	Gmdrm	hypo	CHG	-0.1555
Gm03	19663889	19663993	Gmdrm	hypo	CHG	-0.5617
Gm03	19674627	19674844	Gmdrm	hypo	CHG	-0.8234
Gm03	19675214	19675376	Gmdrm	hypo	CHG	-0.7786
Gm03	19675496	19675612	Gmdrm	hypo	CHG	-0.8242
Gm03	19702210	19702653	Gmdrm	hypo	CHG	-0.5646
Gm03	19705836	19706084	Gmdrm	hypo	CHG	-0.7031
Gm03	19758798	19758913	Gmdrm	hypo	CHG	-0.4171
Gm03	19771989	19772569	Gmdrm	hypo	CHG	-0.5696
Gm03	19780600	19780650	Gmdrm	hypo	CHG	-0.454
Gm03	19782946	19783106	Gmdrm	hypo	CHG	-0.575
Gm03	19785683	19785870	Gmdrm	hypo	CHG	-0.054
Gm03	19798400	19798453	Gmdrm	hypo	CHG	-0.3533
Gm03	19798599	19798723	Gmdrm	hypo	CHG	-0.4073
Gm03	19799049	19799165	Gmdrm	hypo	CHG	-0.4367
Gm03	19799402	19799570	Gmdrm	hypo	CHG	-0.46
Gm03	19801809	19802217	Gmdrm	hypo	CHG	-0.4122
Gm03	19874080	19874213	Gmdrm	hypo	CHG	-0.445
Gm03	19890041	19890807	Gmdrm	hypo	CHG	-0.2655
Gm03	19892010	19892228	Gmdrm	hypo	CHG	-0.266
Gm03	20015044	20015212	Gmdrm	hypo	CHG	-0.0571
Gm03	20032747	20032874	Gmdrm	hypo	CHG	-0.2314
Gm03	20037502	20037735	Gmdrm	hypo	CHG	-0.5855
Gm03	20039854	20040102	Gmdrm	hypo	CHG	-0.2634
Gm03	20042936	20043234	Gmdrm	hypo	CHG	-0.3846
Gm03	20106950	20107212	Gmdrm	hypo	CHG	-0.4452
Gm03	20109670	20109778	Gmdrm	hypo	CHG	-0.0467

Gm03	20155952	20156148	Gmdrm	hypo	CHG	-0.511
Gm03	20164459	20164855	Gmdrm	hypo	CHG	-0.03
Gm03	20167573	20167792	Gmdrm	hypo	CHG	-0.2635
Gm03	20171015	20171047	Gmdrm	hypo	CHG	-0.058
Gm03	20195112	20195339	Gmdrm	hypo	CHG	-0.3262
Gm03	20211352	20211530	Gmdrm	hypo	CHG	-0.055
Gm03	20350014	20350239	Gmdrm	hypo	CHG	-0.058
Gm03	20363187	20363394	Gmdrm	hypo	CHG	-0.2944
Gm03	20364100	20364323	Gmdrm	hypo	CHG	-0.2392
Gm03	20366669	20366779	Gmdrm	hypo	CHG	-0.2883
Gm03	20377025	20377115	Gmdrm	hypo	CHG	-0.0357
Gm03	20381580	20382129	Gmdrm	hypo	CHG	-0.3977
Gm03	20393239	20393503	Gmdrm	hypo	CHG	-0.6371
Gm03	20413999	20414099	Gmdrm	hypo	CHG	-0.455
Gm03	20418704	20418781	Gmdrm	hypo	CHG	-0.6922
Gm03	20418941	20419025	Gmdrm	hypo	CHG	-0.636
Gm03	20419192	20419336	Gmdrm	hypo	CHG	-0.7358
Gm03	20420115	20420291	Gmdrm	hypo	CHG	-0.3174
Gm03	20430694	20430816	Gmdrm	hypo	CHG	-0.15
Gm03	20503794	20503903	Gmdrm	hypo	CHG	-0.3013
Gm03	20525217	20525333	Gmdrm	hypo	CHG	-0.3851
Gm03	20549952	20550070	Gmdrm	hypo	CHG	-0.0372
Gm03	20550342	20550462	Gmdrm	hypo	CHG	-0.7788
Gm03	20573531	20573679	Gmdrm	hypo	CHG	-0.5929
Gm03	20598735	20598918	Gmdrm	hypo	CHG	-0.4542
Gm03	20606181	20606413	Gmdrm	hypo	CHG	-0.5789
Gm03	20606730	20606868	Gmdrm	hypo	CHG	-0.7467
Gm03	20607739	20607903	Gmdrm	hypo	CHG	-0.66
Gm03	20608397	20608731	Gmdrm	hypo	CHG	-0.523
Gm03	20773759	20774217	Gmdrm	hypo	CHG	-0.2797
Gm03	20775244	20775379	Gmdrm	hypo	CHG	-0.038
Gm03	20822164	20822411	Gmdrm	hypo	CHG	-0.37
Gm03	20831012	20831132	Gmdrm	hypo	CHG	-0.7729
Gm03	20838249	20838430	Gmdrm	hypo	CHG	-0.06
Gm03	20857777	20857912	Gmdrm	hypo	CHG	-0.525
Gm03	20865184	20865325	Gmdrm	hypo	CHG	-0.2667
Gm03	20866758	20866854	Gmdrm	hypo	CHG	-0.281
Gm03	20866992	20867208	Gmdrm	hypo	CHG	-0.475
Gm03	20867338	20867479	Gmdrm	hypo	CHG	-0.4963
Gm03	20898812	20899192	Gmdrm	hypo	CHG	-0.752
Gm03	20900110	20900273	Gmdrm	hypo	CHG	-0.048
Gm03	20911769	20911917	Gmdrm	hypo	CHG	-0.4049
Gm03	20953475	20953766	Gmdrm	hypo	CHG	-0.546
Gm03	20963659	20963804	Gmdrm	hypo	CHG	-0.5928
Gm03	21245384	21245413	Gmdrm	hypo	CHG	-0.312
Gm03	21247278	21247392	Gmdrm	hypo	CHG	-0.6971

Gm03	21247670	21247979	Gmdrm	hypo	CHG	-0.7628
Gm03	21261401	21261511	Gmdrm	hypo	CHG	-0.8943
Gm03	21416705	21417068	Gmdrm	hypo	CHG	-0.1769
Gm03	21419039	21419155	Gmdrm	hypo	CHG	-0.538
Gm03	21420548	21420750	Gmdrm	hypo	CHG	-0.045
Gm03	21421448	21421893	Gmdrm	hypo	CHG	-0.4658
Gm03	21609083	21609252	Gmdrm	hypo	CHG	-0.17
Gm03	21632952	21633025	Gmdrm	hypo	CHG	-0.1333
Gm03	21726262	21726476	Gmdrm	hypo	CHG	-0.1613
Gm03	22118509	22119450	Gmdrm	hypo	CHG	-0.2198
Gm03	22123370	22124366	Gmdrm	hypo	CHG	-0.1535
Gm03	22124802	22124992	Gmdrm	hypo	CHG	-0.5339
Gm03	22125113	22125422	Gmdrm	hypo	CHG	-0.1212
Gm03	22132307	22132412	Gmdrm	hypo	CHG	-0.1733
Gm03	22134554	22134714	Gmdrm	hypo	CHG	-0.7325
Gm03	22134849	22135067	Gmdrm	hypo	CHG	-0.65
Gm03	22135308	22135408	Gmdrm	hypo	CHG	-0.5691
Gm03	22305792	22306714	Gmdrm	hypo	CHG	-0.3115
Gm03	22314971	22315806	Gmdrm	hypo	CHG	-0.2363
Gm03	22315913	22316259	Gmdrm	hypo	CHG	-0.2521
Gm03	22321317	22322305	Gmdrm	hypo	CHG	-0.1992
Gm03	22323770	22324016	Gmdrm	hypo	CHG	-0.1193
Gm03	22324487	22324871	Gmdrm	hypo	CHG	-0.2872
Gm03	22482142	22482252	Gmdrm	hypo	CHG	-0.6812
Gm03	22488183	22488248	Gmdrm	hypo	CHG	-0.506
Gm03	22723937	22724330	Gmdrm	hypo	CHG	-0.6781
Gm03	23038764	23038893	Gmdrm	hypo	CHG	-0.27
Gm03	23042380	23042782	Gmdrm	hypo	CHG	-0.394
Gm03	23063543	23064184	Gmdrm	hypo	CHG	-0.3752
Gm03	23067858	23067986	Gmdrm	hypo	CHG	-0.7056
Gm03	23086124	23086384	Gmdrm	hypo	CHG	-0.4464
Gm03	23087641	23087893	Gmdrm	hypo	CHG	-0.3209
Gm03	23096961	23097147	Gmdrm	hypo	CHG	-0.3022
Gm03	23102198	23102218	Gmdrm	hypo	CHG	-0.935
Gm03	23122002	23122251	Gmdrm	hypo	CHG	-0.4475
Gm03	23165791	23166176	Gmdrm	hypo	CHG	-0.515
Gm03	23180460	23180482	Gmdrm	hypo	CHG	-0.1
Gm03	23190839	23191367	Gmdrm	hypo	CHG	-0.5228
Gm03	23191549	23191819	Gmdrm	hypo	CHG	-0.3678
Gm03	23222890	23222940	Gmdrm	hypo	CHG	-0.0657
Gm03	23225265	23225354	Gmdrm	hypo	CHG	-0.566
Gm03	23470902	23471116	Gmdrm	hypo	CHG	-0.08
Gm03	23561173	23561442	Gmdrm	hypo	CHG	-0.53
Gm03	23561687	23561756	Gmdrm	hypo	CHG	-0.3666
Gm03	23568536	23568732	Gmdrm	hypo	CHG	-0.8866
Gm03	23588658	23588896	Gmdrm	hypo	CHG	-0.2452

Gm03	23589421	23589742	Gmdrm	hypo	CHG	-0.0329
Gm03	23654227	23654410	Gmdrm	hypo	CHG	-0.3856
Gm03	23706874	23706895	Gmdrm	hypo	CHG	-0.1317
Gm03	23799299	23799488	Gmdrm	hypo	CHG	-0.1278
Gm03	23923088	23923517	Gmdrm	hypo	CHG	-0.1763
Gm03	23948130	23948305	Gmdrm	hypo	CHG	-0.354
Gm03	24043244	24043371	Gmdrm	hypo	CHG	-0.2233
Gm03	24197230	24197940	Gmdrm	hypo	CHG	-0.0547
Gm03	24226588	24226651	Gmdrm	hypo	CHG	-0.548
Gm03	24226789	24227236	Gmdrm	hypo	CHG	-0.2829
Gm03	24231177	24231452	Gmdrm	hypo	CHG	-0.2353
Gm03	24239407	24239997	Gmdrm	hypo	CHG	-0.1732
Gm03	24258537	24258751	Gmdrm	hypo	CHG	-0.1662
Gm03	24262534	24262875	Gmdrm	hypo	CHG	-0.05
Gm03	24265929	24266925	Gmdrm	hypo	CHG	-0.3827
Gm03	24266930	24267836	Gmdrm	hypo	CHG	-0.1476
Gm03	24268425	24268616	Gmdrm	hypo	CHG	-0.2112
Gm03	24272306	24273294	Gmdrm	hypo	CHG	-0.1618
Gm03	24279565	24279650	Gmdrm	hypo	CHG	-0.06
Gm03	24282197	24282370	Gmdrm	hypo	CHG	-0.0733
Gm03	24299119	24299565	Gmdrm	hypo	CHG	-0.2179
Gm03	24299688	24299953	Gmdrm	hypo	CHG	-0.209
Gm03	24303413	24303996	Gmdrm	hypo	CHG	-0.2053
Gm03	24313796	24313966	Gmdrm	hypo	CHG	-0.3884
Gm03	24330476	24331159	Gmdrm	hypo	CHG	-0.2507
Gm03	24346930	24347219	Gmdrm	hypo	CHG	-0.4964
Gm03	24347357	24347496	Gmdrm	hypo	CHG	-0.587
Gm03	24353424	24353512	Gmdrm	hypo	CHG	-0.236
Gm03	24354186	24354416	Gmdrm	hypo	CHG	-0.3612
Gm03	24361798	24362793	Gmdrm	hypo	CHG	-0.4623
Gm03	24441457	24442024	Gmdrm	hypo	CHG	-0.21
Gm03	24442154	24442281	Gmdrm	hypo	CHG	-0.4455
Gm03	24450483	24450732	Gmdrm	hypo	CHG	-0.6317
Gm03	24451342	24451792	Gmdrm	hypo	CHG	-0.634
Gm03	24506304	24507271	Gmdrm	hypo	CHG	-0.315
Gm03	24507308	24507400	Gmdrm	hypo	CHG	-0.3262
Gm03	24566188	24566332	Gmdrm	hypo	CHG	-0.5
Gm03	24566497	24566543	Gmdrm	hypo	CHG	-0.5786
Gm03	24567277	24567565	Gmdrm	hypo	CHG	-0.0337
Gm03	24595636	24596061	Gmdrm	hypo	CHG	-0.0988
Gm03	24598254	24598557	Gmdrm	hypo	CHG	-0.6167
Gm03	24650011	24650450	Gmdrm	hypo	CHG	-0.3736
Gm03	24655110	24655232	Gmdrm	hypo	CHG	-0.038
Gm03	24658355	24658568	Gmdrm	hypo	CHG	-0.8214
Gm03	24889315	24889621	Gmdrm	hypo	CHG	-0.2714
Gm03	24968761	24969687	Gmdrm	hypo	CHG	-0.1326

Gm03	24970616	24970782	Gmdrm	hypo	CHG	-0.298
Gm03	24975795	24976186	Gmdrm	hypo	CHG	-0.082
Gm03	24990120	24990156	Gmdrm	hypo	CHG	-0.1175
Gm03	25107404	25107678	Gmdrm	hypo	CHG	-0.0593
Gm03	25114663	25114763	Gmdrm	hypo	CHG	-0.5992
Gm03	25122138	25122191	Gmdrm	hypo	CHG	-0.2572
Gm03	25176847	25176990	Gmdrm	hypo	CHG	-0.5388
Gm03	25178151	25178291	Gmdrm	hypo	CHG	-0.4531
Gm03	25208048	25208260	Gmdrm	hypo	CHG	-0.2331
Gm03	25208581	25208747	Gmdrm	hypo	CHG	-0.6346
Gm03	25208961	25209118	Gmdrm	hypo	CHG	-0.6792
Gm03	25309750	25309863	Gmdrm	hypo	CHG	-0.312
Gm03	25814824	25814954	Gmdrm	hypo	CHG	-0.1534
Gm03	25817707	25817896	Gmdrm	hypo	CHG	-0.6325
Gm03	26013141	26013465	Gmdrm	hypo	CHG	-0.5373
Gm03	26351973	26352063	Gmdrm	hypo	CHG	-0.112
Gm03	26438329	26438352	Gmdrm	hypo	CHG	-0.49
Gm03	26460124	26460276	Gmdrm	hypo	CHG	-0.1672
Gm03	26486475	26486628	Gmdrm	hypo	CHG	-0.038
Gm03	26496609	26496701	Gmdrm	hypo	CHG	-0.5117
Gm03	26510385	26510769	Gmdrm	hypo	CHG	-0.57
Gm03	26511456	26511514	Gmdrm	hypo	CHG	-0.435
Gm03	26525417	26525592	Gmdrm	hypo	CHG	-0.7342
Gm03	26525812	26525999	Gmdrm	hypo	CHG	-0.6633
Gm03	26567798	26568094	Gmdrm	hypo	CHG	-0.4761
Gm03	26568227	26568265	Gmdrm	hypo	CHG	-0.8317
Gm03	26570617	26571611	Gmdrm	hypo	CHG	-0.2698
Gm03	26600107	26600164	Gmdrm	hypo	CHG	-0.3457
Gm03	26708848	26709175	Gmdrm	hypo	CHG	-0.8168
Gm03	26709507	26709636	Gmdrm	hypo	CHG	-0.502
Gm03	26725171	26725292	Gmdrm	hypo	CHG	-0.2956
Gm03	26725443	26725796	Gmdrm	hypo	CHG	-0.5665
Gm03	26733348	26733510	Gmdrm	hypo	CHG	-0.685
Gm03	26733614	26733754	Gmdrm	hypo	CHG	-0.7229
Gm03	26769221	26769319	Gmdrm	hypo	CHG	-0.0587
Gm03	26772838	26773033	Gmdrm	hypo	CHG	-0.51
Gm03	26784425	26784669	Gmdrm	hypo	CHG	-0.5111
Gm03	26784941	26785135	Gmdrm	hypo	CHG	-0.6833
Gm03	26786378	26786568	Gmdrm	hypo	CHG	-0.63
Gm03	26866450	26866560	Gmdrm	hypo	CHG	-0.3688
Gm03	26908508	26908630	Gmdrm	hypo	CHG	-0.7938
Gm03	27186474	27186590	Gmdrm	hypo	CHG	-0.6968
Gm03	27197234	27197356	Gmdrm	hypo	CHG	-0.2
Gm03	27203908	27204168	Gmdrm	hypo	CHG	-0.3889
Gm03	27232806	27233007	Gmdrm	hypo	CHG	-0.12
Gm03	27246404	27246592	Gmdrm	hypo	CHG	-0.1191

Gm03	27249568	27249788	Gmdrm	hypo	CHG	-0.7608
Gm03	27331090	27331229	Gmdrm	hypo	CHG	-0.584
Gm03	27331545	27331693	Gmdrm	hypo	CHG	-0.383
Gm03	27441858	27441975	Gmdrm	hypo	CHG	-0.2166
Gm03	27455525	27456091	Gmdrm	hypo	CHG	-0.3687
Gm03	27456192	27456281	Gmdrm	hypo	CHG	-0.61
Gm03	27462280	27462383	Gmdrm	hypo	CHG	-0.4942
Gm03	27462491	27462590	Gmdrm	hypo	CHG	-0.3524
Gm03	27523371	27523540	Gmdrm	hypo	CHG	-0.3875
Gm03	27538887	27538928	Gmdrm	hypo	CHG	-0.3972
Gm03	27672332	27672654	Gmdrm	hypo	CHG	-0.5926
Gm03	27675966	27676110	Gmdrm	hypo	CHG	-0.5067
Gm03	27680394	27680490	Gmdrm	hypo	CHG	-0.4988
Gm03	27682277	27682464	Gmdrm	hypo	CHG	-0.3833
Gm03	27683131	27683407	Gmdrm	hypo	CHG	-0.4944
Gm03	27687595	27687755	Gmdrm	hypo	CHG	-0.2738
Gm03	27691329	27691568	Gmdrm	hypo	CHG	-0.255
Gm03	27693593	27693700	Gmdrm	hypo	CHG	-0.4783
Gm03	27745365	27746365	Gmdrm	hypo	CHG	-0.235
Gm03	27747960	27748256	Gmdrm	hypo	CHG	-0.3037
Gm03	27752420	27753418	Gmdrm	hypo	CHG	-0.1744
Gm03	27756325	27757257	Gmdrm	hypo	CHG	-0.1378
Gm03	27780552	27780801	Gmdrm	hypo	CHG	-0.351
Gm03	27781397	27781614	Gmdrm	hypo	CHG	-0.6512
Gm03	27785747	27785778	Gmdrm	hypo	CHG	-0.5317
Gm03	27785883	27785960	Gmdrm	hypo	CHG	-0.3172
Gm03	27788200	27788718	Gmdrm	hypo	CHG	-0.2217
Gm03	27864872	27865068	Gmdrm	hypo	CHG	-0.048
Gm03	27882622	27882869	Gmdrm	hypo	CHG	-0.2531
Gm03	27883115	27883270	Gmdrm	hypo	CHG	-0.7188
Gm03	27883428	27883800	Gmdrm	hypo	CHG	-0.1384
Gm03	27896768	27896881	Gmdrm	hypo	CHG	-0.4857
Gm03	27900680	27900972	Gmdrm	hypo	CHG	-0.033
Gm03	27934837	27934951	Gmdrm	hypo	CHG	-0.3372
Gm03	27957352	27957623	Gmdrm	hypo	CHG	-0.2556
Gm03	27966042	27966185	Gmdrm	hypo	CHG	-0.79
Gm03	27979904	27980584	Gmdrm	hypo	CHG	-0.5228
Gm03	27992097	27992136	Gmdrm	hypo	CHG	-0.752
Gm03	28070180	28070297	Gmdrm	hypo	CHG	-0.6243
Gm03	28076018	28076232	Gmdrm	hypo	CHG	-0.565
Gm03	28113883	28113998	Gmdrm	hypo	CHG	-0.4817
Gm03	28119882	28119949	Gmdrm	hypo	CHG	-0.668
Gm03	28148473	28148585	Gmdrm	hypo	CHG	-0.3125
Gm03	28160373	28160624	Gmdrm	hypo	CHG	-0.0423
Gm03	28216420	28216831	Gmdrm	hypo	CHG	-0.0489
Gm03	28229490	28229705	Gmdrm	hypo	CHG	-0.0767

Gm03	28237108	28237375	Gmdrm	hypo	CHG	-0.2521
Gm03	28250431	28250511	Gmdrm	hypo	CHG	-0.5233
Gm03	28250656	28250729	Gmdrm	hypo	CHG	-0.7237
Gm03	28289276	28289715	Gmdrm	hypo	CHG	-0.6605
Gm03	28304874	28305155	Gmdrm	hypo	CHG	-0.366
Gm03	28330748	28330880	Gmdrm	hypo	CHG	-0.6982
Gm03	28354651	28354781	Gmdrm	hypo	CHG	-0.485
Gm03	28355661	28355698	Gmdrm	hypo	CHG	-0.506
Gm03	28356324	28357179	Gmdrm	hypo	CHG	-0.3055
Gm03	28357648	28357888	Gmdrm	hypo	CHG	-0.2286
Gm03	28404560	28404735	Gmdrm	hypo	CHG	-0.0411
Gm03	28431751	28431957	Gmdrm	hypo	CHG	-0.5145
Gm03	28569976	28570315	Gmdrm	hypo	CHG	-0.8163
Gm03	28570462	28570582	Gmdrm	hypo	CHG	-0.8338
Gm03	28574620	28574940	Gmdrm	hypo	CHG	-0.3566
Gm03	28575143	28575452	Gmdrm	hypo	CHG	-0.4292
Gm03	28575830	28576222	Gmdrm	hypo	CHG	-0.2929
Gm03	28593837	28593883	Gmdrm	hypo	CHG	-0.5134
Gm03	28595196	28595223	Gmdrm	hypo	CHG	-0.5457
Gm03	28618984	28619031	Gmdrm	hypo	CHG	-0.39
Gm03	28701371	28701448	Gmdrm	hypo	CHG	-0.1233
Gm03	28714062	28714231	Gmdrm	hypo	CHG	-0.042
Gm03	28729008	28729199	Gmdrm	hypo	CHG	-0.7879
Gm03	28730096	28730433	Gmdrm	hypo	CHG	-0.697
Gm03	28735469	28736011	Gmdrm	hypo	CHG	-0.5081
Gm03	28736142	28736337	Gmdrm	hypo	CHG	-0.2278
Gm03	28812400	28812599	Gmdrm	hypo	CHG	-0.036
Gm03	28813706	28813907	Gmdrm	hypo	CHG	-0.15
Gm03	28814090	28814149	Gmdrm	hypo	CHG	-0.538
Gm03	28831734	28831918	Gmdrm	hypo	CHG	-0.492
Gm03	28882455	28882678	Gmdrm	hypo	CHG	-0.0667
Gm03	29072118	29072281	Gmdrm	hypo	CHG	-0.441
Gm03	29072699	29073072	Gmdrm	hypo	CHG	-0.1121
Gm03	29073750	29074036	Gmdrm	hypo	CHG	-0.2371
Gm03	29076405	29076540	Gmdrm	hypo	CHG	-0.046
Gm03	29079532	29079657	Gmdrm	hypo	CHG	-0.4316
Gm03	29080237	29080363	Gmdrm	hypo	CHG	-0.2809
Gm03	29082471	29082672	Gmdrm	hypo	CHG	-0.1917
Gm03	29082944	29083086	Gmdrm	hypo	CHG	-0.7944
Gm03	29083303	29083626	Gmdrm	hypo	CHG	-0.878
Gm03	29121952	29122788	Gmdrm	hypo	CHG	-0.0423
Gm03	29123047	29123338	Gmdrm	hypo	CHG	-0.0373
Gm03	29123686	29124109	Gmdrm	hypo	CHG	-0.3842
Gm03	29124318	29124464	Gmdrm	hypo	CHG	-0.498
Gm03	29131370	29131603	Gmdrm	hypo	CHG	-0.04
Gm03	29132112	29132190	Gmdrm	hypo	CHG	-0.73

Gm03	29219657	29219938	Gmdrm	hypo	CHG	-0.1784
Gm03	29220408	29220705	Gmdrm	hypo	CHG	-0.3826
Gm03	29222558	29222632	Gmdrm	hypo	CHG	-0.6038
Gm03	29222860	29223170	Gmdrm	hypo	CHG	-0.3194
Gm03	29236633	29236727	Gmdrm	hypo	CHG	-0.1375
Gm03	29270681	29270797	Gmdrm	hypo	CHG	-0.276
Gm03	29294822	29295133	Gmdrm	hypo	CHG	-0.2937
Gm03	29296638	29296888	Gmdrm	hypo	CHG	-0.4146
Gm03	29334541	29334739	Gmdrm	hypo	CHG	-0.4859
Gm03	29335926	29335960	Gmdrm	hypo	CHG	-0.758
Gm03	29336069	29336195	Gmdrm	hypo	CHG	-0.4485
Gm03	29464573	29464646	Gmdrm	hypo	CHG	-0.2166
Gm03	29551007	29551154	Gmdrm	hypo	CHG	-0.405
Gm03	29563346	29564258	Gmdrm	hypo	CHG	-0.3765
Gm03	29564439	29564489	Gmdrm	hypo	CHG	-0.264
Gm03	29564609	29564860	Gmdrm	hypo	CHG	-0.2342
Gm03	29567461	29567750	Gmdrm	hypo	CHG	-0.22
Gm03	29568595	29568986	Gmdrm	hypo	CHG	-0.3946
Gm03	29569687	29569726	Gmdrm	hypo	CHG	-0.388
Gm03	29571681	29571866	Gmdrm	hypo	CHG	-0.5447
Gm03	29573725	29574000	Gmdrm	hypo	CHG	-0.0451
Gm03	29575933	29576313	Gmdrm	hypo	CHG	-0.0553
Gm03	29604247	29604279	Gmdrm	hypo	CHG	-0.5966
Gm03	29609519	29609662	Gmdrm	hypo	CHG	-0.25
Gm03	29609932	29610151	Gmdrm	hypo	CHG	-0.59
Gm03	29667165	29667255	Gmdrm	hypo	CHG	-0.5546
Gm03	29667369	29667609	Gmdrm	hypo	CHG	-0.4375
Gm03	29669972	29670115	Gmdrm	hypo	CHG	-0.04
Gm03	29670269	29670359	Gmdrm	hypo	CHG	-0.8437
Gm03	29670872	29671392	Gmdrm	hypo	CHG	-0.1028
Gm03	29706009	29706205	Gmdrm	hypo	CHG	-0.5854
Gm03	29706359	29706433	Gmdrm	hypo	CHG	-0.3534
Gm03	29710103	29710683	Gmdrm	hypo	CHG	-0.18
Gm03	29710816	29711198	Gmdrm	hypo	CHG	-0.2746
Gm03	29712663	29712857	Gmdrm	hypo	CHG	-0.2188
Gm03	29713684	29713875	Gmdrm	hypo	CHG	-0.3266
Gm03	29714392	29714543	Gmdrm	hypo	CHG	-0.386
Gm03	29720282	29720404	Gmdrm	hypo	CHG	-0.506
Gm03	29749974	29750142	Gmdrm	hypo	CHG	-0.2756
Gm03	29753342	29753393	Gmdrm	hypo	CHG	-0.4367
Gm03	29753500	29753762	Gmdrm	hypo	CHG	-0.5508
Gm03	29766137	29766318	Gmdrm	hypo	CHG	-0.0383
Gm03	29767590	29768111	Gmdrm	hypo	CHG	-0.2214
Gm03	29768743	29768865	Gmdrm	hypo	CHG	-0.8922
Gm03	29772839	29773183	Gmdrm	hypo	CHG	-0.6705
Gm03	29775370	29775468	Gmdrm	hypo	CHG	-0.054

Gm03	29782803	29782953	Gmdrm	hypo	CHG	-0.8762
Gm03	29796888	29797008	Gmdrm	hypo	CHG	-0.31
Gm03	29818116	29818158	Gmdrm	hypo	CHG	-0.69
Gm03	29827635	29828074	Gmdrm	hypo	CHG	-0.2362
Gm03	29835569	29835627	Gmdrm	hypo	CHG	-0.044
Gm03	29841709	29842114	Gmdrm	hypo	CHG	-0.2365
Gm03	29917311	29917564	Gmdrm	hypo	CHG	-0.0483
Gm03	29932078	29932741	Gmdrm	hypo	CHG	-0.5344
Gm03	29937017	29937174	Gmdrm	hypo	CHG	-0.03
Gm03	29951182	29951910	Gmdrm	hypo	CHG	-0.2569
Gm03	29957881	29958121	Gmdrm	hypo	CHG	-0.1008
Gm03	29970791	29970867	Gmdrm	hypo	CHG	-0.8283
Gm03	29971839	29971972	Gmdrm	hypo	CHG	-0.79
Gm03	29979387	29979566	Gmdrm	hypo	CHG	-0.105
Gm03	29980210	29980425	Gmdrm	hypo	CHG	-0.0428
Gm03	29983423	29983502	Gmdrm	hypo	CHG	-0.52
Gm03	29993006	29993069	Gmdrm	hypo	CHG	-0.458
Gm03	30005204	30005427	Gmdrm	hypo	CHG	-0.7212
Gm03	30006255	30006309	Gmdrm	hypo	CHG	-0.4083
Gm03	30018794	30018824	Gmdrm	hypo	CHG	-0.34
Gm03	30022625	30022734	Gmdrm	hypo	CHG	-0.314
Gm03	30025347	30025553	Gmdrm	hypo	CHG	-0.3922
Gm03	30025658	30025692	Gmdrm	hypo	CHG	-0.602
Gm03	30027915	30028168	Gmdrm	hypo	CHG	-0.4315
Gm03	30029135	30029162	Gmdrm	hypo	CHG	-0.2913
Gm03	30029844	30029977	Gmdrm	hypo	CHG	-0.3483
Gm03	30032780	30033170	Gmdrm	hypo	CHG	-0.2369
Gm03	30038459	30038718	Gmdrm	hypo	CHG	-0.3155
Gm03	30045279	30046229	Gmdrm	hypo	CHG	-0.1064
Gm03	30051426	30051441	Gmdrm	hypo	CHG	-0.32
Gm03	30066181	30066282	Gmdrm	hypo	CHG	-0.185
Gm03	30099590	30099919	Gmdrm	hypo	CHG	-0.039
Gm03	30117375	30117995	Gmdrm	hypo	CHG	-0.1968
Gm03	30118463	30118679	Gmdrm	hypo	CHG	-0.17
Gm03	30119704	30120489	Gmdrm	hypo	CHG	-0.2092
Gm03	30120602	30120963	Gmdrm	hypo	CHG	-0.1932
Gm03	30121690	30122191	Gmdrm	hypo	CHG	-0.3234
Gm03	30122345	30122727	Gmdrm	hypo	CHG	-0.2753
Gm03	30124473	30124829	Gmdrm	hypo	CHG	-0.15
Gm03	30124944	30125621	Gmdrm	hypo	CHG	-0.208
Gm03	30125726	30126012	Gmdrm	hypo	CHG	-0.2577
Gm03	30126253	30126437	Gmdrm	hypo	CHG	-0.37
Gm03	30126849	30127201	Gmdrm	hypo	CHG	-0.15
Gm03	30127413	30127791	Gmdrm	hypo	CHG	-0.1771
Gm03	30127892	30128436	Gmdrm	hypo	CHG	-0.1845
Gm03	30129307	30129771	Gmdrm	hypo	CHG	-0.1856

Gm03	30131477	30131902	Gmdrm	hypo	CHG	-0.1082
Gm03	30142991	30143082	Gmdrm	hypo	CHG	-0.1933
Gm03	30168519	30168907	Gmdrm	hypo	CHG	-0.5023
Gm03	30183776	30184092	Gmdrm	hypo	CHG	-0.5109
Gm03	30185157	30185374	Gmdrm	hypo	CHG	-0.731
Gm03	30189880	30190037	Gmdrm	hypo	CHG	-0.042
Gm03	30205973	30206132	Gmdrm	hypo	CHG	-0.054
Gm03	30223558	30224077	Gmdrm	hypo	CHG	-0.2344
Gm03	30235090	30236026	Gmdrm	hypo	CHG	-0.123
Gm03	30248682	30248791	Gmdrm	hypo	CHG	-0.4817
Gm03	30280023	30280285	Gmdrm	hypo	CHG	-0.1774
Gm03	30294310	30294881	Gmdrm	hypo	CHG	-0.1869
Gm03	30377146	30377838	Gmdrm	hypo	CHG	-0.7249
Gm03	30453610	30453785	Gmdrm	hypo	CHG	-0.046
Gm03	30455551	30455666	Gmdrm	hypo	CHG	-0.677
Gm03	30456304	30456543	Gmdrm	hypo	CHG	-0.558
Gm03	30539746	30539923	Gmdrm	hypo	CHG	-0.04
Gm03	30618135	30618223	Gmdrm	hypo	CHG	-0.0483
Gm03	30630916	30631913	Gmdrm	hypo	CHG	-0.2353
Gm03	30632103	30632925	Gmdrm	hypo	CHG	-0.111
Gm03	30633029	30633997	Gmdrm	hypo	CHG	-0.2002
Gm03	30645149	30645596	Gmdrm	hypo	CHG	-0.1782
Gm03	30648019	30648137	Gmdrm	hypo	CHG	-0.4667
Gm03	30708350	30708665	Gmdrm	hypo	CHG	-0.0519
Gm03	30736547	30736668	Gmdrm	hypo	CHG	-0.602
Gm03	30738461	30738562	Gmdrm	hypo	CHG	-0.072
Gm03	30752184	30752251	Gmdrm	hypo	CHG	-0.61
Gm03	30752366	30752555	Gmdrm	hypo	CHG	-0.547
Gm03	30753981	30754210	Gmdrm	hypo	CHG	-0.3487
Gm03	30755421	30755494	Gmdrm	hypo	CHG	-0.38
Gm03	30755769	30755909	Gmdrm	hypo	CHG	-0.568
Gm03	30773042	30773224	Gmdrm	hypo	CHG	-0.2287
Gm03	30790926	30791073	Gmdrm	hypo	CHG	-0.3211
Gm03	30795438	30795695	Gmdrm	hypo	CHG	-0.6811
Gm03	30801933	30801998	Gmdrm	hypo	CHG	-0.624
Gm03	30817345	30817689	Gmdrm	hypo	CHG	-0.8629
Gm03	30818716	30818915	Gmdrm	hypo	CHG	-0.622
Gm03	30819035	30819146	Gmdrm	hypo	CHG	-0.7586
Gm03	30819356	30819880	Gmdrm	hypo	CHG	-0.7489
Gm03	30820025	30820160	Gmdrm	hypo	CHG	-0.6683
Gm03	30842440	30842817	Gmdrm	hypo	CHG	-0.8171
Gm03	30842978	30843380	Gmdrm	hypo	CHG	-0.783
Gm03	30843579	30843761	Gmdrm	hypo	CHG	-0.6718
Gm03	30844183	30844222	Gmdrm	hypo	CHG	-0.66
Gm03	30844383	30844503	Gmdrm	hypo	CHG	-0.412
Gm03	30844958	30845321	Gmdrm	hypo	CHG	-0.581

Gm03	30931707	30931836	Gmdrm	hypo	CHG	-0.51
Gm03	30931957	30932005	Gmdrm	hypo	CHG	-0.3113
Gm03	30950263	30950361	Gmdrm	hypo	CHG	-0.3657
Gm03	30999817	30999989	Gmdrm	hypo	CHG	-0.032
Gm03	31000836	31000924	Gmdrm	hypo	CHG	-0.73
Gm03	31002041	31002268	Gmdrm	hypo	CHG	-0.6608
Gm03	31002544	31002607	Gmdrm	hypo	CHG	-0.5037
Gm03	31022503	31022993	Gmdrm	hypo	CHG	-0.2495
Gm03	31067262	31067487	Gmdrm	hypo	CHG	-0.7617
Gm03	31081474	31081590	Gmdrm	hypo	CHG	-0.46
Gm03	31081691	31081719	Gmdrm	hypo	CHG	-0.3017
Gm03	31086147	31086676	Gmdrm	hypo	CHG	-0.2993
Gm03	31120403	31120757	Gmdrm	hypo	CHG	-0.255
Gm03	31128508	31128921	Gmdrm	hypo	CHG	-0.1773
Gm03	31130137	31130782	Gmdrm	hypo	CHG	-0.2632
Gm03	31132289	31132405	Gmdrm	hypo	CHG	-0.2629
Gm03	31132802	31132877	Gmdrm	hypo	CHG	-0.5117
Gm03	31133467	31133866	Gmdrm	hypo	CHG	-0.751
Gm03	31133968	31134121	Gmdrm	hypo	CHG	-0.8015
Gm03	31175557	31175842	Gmdrm	hypo	CHG	-0.059
Gm03	31177272	31177369	Gmdrm	hypo	CHG	-0.61
Gm03	31204020	31204151	Gmdrm	hypo	CHG	-0.4962
Gm03	31205138	31205194	Gmdrm	hypo	CHG	-0.0411
Gm03	31209071	31209698	Gmdrm	hypo	CHG	-0.2343
Gm03	31211323	31211483	Gmdrm	hypo	CHG	-0.3873
Gm03	31211598	31211905	Gmdrm	hypo	CHG	-0.5319
Gm03	31226043	31226490	Gmdrm	hypo	CHG	-0.2157
Gm03	31275952	31276950	Gmdrm	hypo	CHG	-0.2602
Gm03	31278271	31278352	Gmdrm	hypo	CHG	-0.38
Gm03	31279040	31279981	Gmdrm	hypo	CHG	-0.1946
Gm03	31375324	31375914	Gmdrm	hypo	CHG	-0.1046
Gm03	31379404	31380128	Gmdrm	hypo	CHG	-0.2003
Gm03	31385009	31385127	Gmdrm	hypo	CHG	-0.275
Gm03	31385228	31385356	Gmdrm	hypo	CHG	-0.7925
Gm03	31409191	31409490	Gmdrm	hypo	CHG	-0.53
Gm03	31409681	31409833	Gmdrm	hypo	CHG	-0.1867
Gm03	31434583	31434789	Gmdrm	hypo	CHG	-0.631
Gm03	31524233	31524553	Gmdrm	hypo	CHG	-0.5007
Gm03	31524898	31525134	Gmdrm	hypo	CHG	-0.7143
Gm03	31525321	31525425	Gmdrm	hypo	CHG	-0.2317
Gm03	31557977	31558170	Gmdrm	hypo	CHG	-0.4283
Gm03	31583600	31583792	Gmdrm	hypo	CHG	-0.5839
Gm03	31595575	31595961	Gmdrm	hypo	CHG	-0.5853
Gm03	31599645	31599998	Gmdrm	hypo	CHG	-0.5741
Gm03	31619223	31619386	Gmdrm	hypo	CHG	-0.45
Gm03	31685471	31685700	Gmdrm	hypo	CHG	-0.0433

Gm03	31693410	31693587	Gmdrm	hypo	CHG	-0.3042
Gm03	31694613	31694988	Gmdrm	hypo	CHG	-0.0927
Gm03	31695185	31695262	Gmdrm	hypo	CHG	-0.8267
Gm03	31695743	31696054	Gmdrm	hypo	CHG	-0.4526
Gm03	31696193	31696274	Gmdrm	hypo	CHG	-0.5717
Gm03	31778932	31779018	Gmdrm	hypo	CHG	-0.425
Gm03	31782583	31782742	Gmdrm	hypo	CHG	-0.1257
Gm03	31793496	31793559	Gmdrm	hypo	CHG	-0.556
Gm03	31802200	31802915	Gmdrm	hypo	CHG	-0.2803
Gm03	31803183	31803464	Gmdrm	hypo	CHG	-0.0588
Gm03	31849872	31850098	Gmdrm	hypo	CHG	-0.675
Gm03	31900605	31900684	Gmdrm	hypo	CHG	-0.91
Gm03	31948800	31948934	Gmdrm	hypo	CHG	-0.2622
Gm03	31972356	31972554	Gmdrm	hypo	CHG	-0.3829
Gm03	31980411	31980645	Gmdrm	hypo	CHG	-0.6331
Gm03	32014632	32014875	Gmdrm	hypo	CHG	-0.54
Gm03	32044669	32044773	Gmdrm	hypo	CHG	-0.074
Gm03	32044988	32045114	Gmdrm	hypo	CHG	-0.7786
Gm03	32045369	32045478	Gmdrm	hypo	CHG	-0.205
Gm03	32050777	32050887	Gmdrm	hypo	CHG	-0.4001
Gm03	32059469	32059733	Gmdrm	hypo	CHG	-0.1811
Gm03	32066444	32066935	Gmdrm	hypo	CHG	-0.0343
Gm03	32069331	32069611	Gmdrm	hypo	CHG	-0.2845
Gm03	32101774	32101900	Gmdrm	hypo	CHG	-0.2374
Gm03	32147752	32147843	Gmdrm	hypo	CHG	-0.5043
Gm03	32150503	32150950	Gmdrm	hypo	CHG	-0.1489
Gm03	32193842	32194011	Gmdrm	hypo	CHG	-0.4571
Gm03	32194380	32194574	Gmdrm	hypo	CHG	-0.5486
Gm03	32196940	32196988	Gmdrm	hypo	CHG	-0.7934
Gm03	32215166	32215279	Gmdrm	hypo	CHG	-0.7109
Gm03	32219897	32220035	Gmdrm	hypo	CHG	-0.5277
Gm03	32220140	32220360	Gmdrm	hypo	CHG	-0.5304
Gm03	32230056	32230231	Gmdrm	hypo	CHG	-0.276
Gm03	32230488	32230674	Gmdrm	hypo	CHG	-0.4033
Gm03	32241778	32241844	Gmdrm	hypo	CHG	-0.42
Gm03	32263217	32263669	Gmdrm	hypo	CHG	-0.3495
Gm03	32263797	32263847	Gmdrm	hypo	CHG	-0.9233
Gm03	32311088	32311170	Gmdrm	hypo	CHG	-0.865
Gm03	32325152	32325485	Gmdrm	hypo	CHG	-0.3421
Gm03	32327515	32327739	Gmdrm	hypo	CHG	-0.6747
Gm03	32328930	32329039	Gmdrm	hypo	CHG	-0.425
Gm03	32329455	32329650	Gmdrm	hypo	CHG	-0.4682
Gm03	32344075	32344200	Gmdrm	hypo	CHG	-0.4557
Gm03	32348284	32348332	Gmdrm	hypo	CHG	-0.3234
Gm03	32411649	32411765	Gmdrm	hypo	CHG	-0.7987
Gm03	32412124	32412191	Gmdrm	hypo	CHG	-0.5883

Gm03	32412922	32413195	Gmdrm	hypo	CHG	-0.6378
Gm03	32413400	32414306	Gmdrm	hypo	CHG	-0.551
Gm03	32457532	32457747	Gmdrm	hypo	CHG	-0.6509
Gm03	32466558	32467169	Gmdrm	hypo	CHG	-0.1593
Gm03	32519507	32519718	Gmdrm	hypo	CHG	-0.3563
Gm03	32522988	32523147	Gmdrm	hypo	CHG	-0.7775
Gm03	32553665	32553792	Gmdrm	hypo	CHG	-0.2336
Gm03	32557901	32558112	Gmdrm	hypo	CHG	-0.713
Gm03	32566344	32566548	Gmdrm	hypo	CHG	-0.42
Gm03	32566995	32567083	Gmdrm	hypo	CHG	-0.176
Gm03	32573653	32573900	Gmdrm	hypo	CHG	-0.3382
Gm03	32611229	32611600	Gmdrm	hypo	CHG	-0.0981
Gm03	32675846	32675951	Gmdrm	hypo	CHG	-0.2586
Gm03	32682343	32682484	Gmdrm	hypo	CHG	-0.0717
Gm03	32760742	32760856	Gmdrm	hypo	CHG	-0.6933
Gm03	32761050	32761196	Gmdrm	hypo	CHG	-0.6177
Gm03	32761319	32761565	Gmdrm	hypo	CHG	-0.4701
Gm03	32806756	32806840	Gmdrm	hypo	CHG	-0.0557
Gm03	32816065	32816229	Gmdrm	hypo	CHG	-0.034
Gm03	32816944	32817111	Gmdrm	hypo	CHG	-0.4257
Gm03	32817414	32817452	Gmdrm	hypo	CHG	-0.5017
Gm03	32840118	32840791	Gmdrm	hypo	CHG	-0.4322
Gm03	32842589	32842751	Gmdrm	hypo	CHG	-0.3775
Gm03	32842930	32843310	Gmdrm	hypo	CHG	-0.5979
Gm03	32884459	32884600	Gmdrm	hypo	CHG	-0.385
Gm03	32886669	32886820	Gmdrm	hypo	CHG	-0.3206
Gm03	32887658	32887731	Gmdrm	hypo	CHG	-0.84
Gm03	32892057	32892294	Gmdrm	hypo	CHG	-0.2793
Gm03	32894720	32895240	Gmdrm	hypo	CHG	-0.726
Gm03	32895577	32895663	Gmdrm	hypo	CHG	-0.034
Gm03	32912590	32913276	Gmdrm	hypo	CHG	-0.3232
Gm03	32919589	32919786	Gmdrm	hypo	CHG	-0.2458
Gm03	32920148	32920324	Gmdrm	hypo	CHG	-0.736
Gm03	32929456	32929553	Gmdrm	hypo	CHG	-0.3486
Gm03	32931786	32931928	Gmdrm	hypo	CHG	-0.465
Gm03	32955175	32955290	Gmdrm	hypo	CHG	-0.5733
Gm03	32955443	32955618	Gmdrm	hypo	CHG	-0.5038
Gm03	32979988	32980129	Gmdrm	hypo	CHG	-0.3072
Gm03	33021316	33021424	Gmdrm	hypo	CHG	-0.539
Gm03	33023159	33023352	Gmdrm	hypo	CHG	-0.5467
Gm03	33026058	33026151	Gmdrm	hypo	CHG	-0.5867
Gm03	33026358	33026492	Gmdrm	hypo	CHG	-0.43
Gm03	33026651	33026789	Gmdrm	hypo	CHG	-0.3388
Gm03	33033221	33033384	Gmdrm	hypo	CHG	-0.38
Gm03	33035909	33036330	Gmdrm	hypo	CHG	-0.38
Gm03	33037529	33037927	Gmdrm	hypo	CHG	-0.5128

Gm03	33041099	33041288	Gmdrm	hypo	CHG	-0.306
Gm03	33056756	33056874	Gmdrm	hypo	CHG	-0.7191
Gm03	33078453	33078807	Gmdrm	hypo	CHG	-0.3372
Gm03	33101274	33101760	Gmdrm	hypo	CHG	-0.3511
Gm03	33126752	33126915	Gmdrm	hypo	CHG	-0.4145
Gm03	33136713	33137134	Gmdrm	hypo	CHG	-0.3312
Gm03	33149764	33149822	Gmdrm	hypo	CHG	-0.608
Gm03	33149925	33150086	Gmdrm	hypo	CHG	-0.2967
Gm03	33160189	33160311	Gmdrm	hypo	CHG	-0.2028
Gm03	33192276	33192554	Gmdrm	hypo	CHG	-0.6325
Gm03	33192671	33192896	Gmdrm	hypo	CHG	-0.3294
Gm03	33233064	33233299	Gmdrm	hypo	CHG	-0.3875
Gm03	33233891	33234413	Gmdrm	hypo	CHG	-0.7679
Gm03	33235076	33235290	Gmdrm	hypo	CHG	-0.03
Gm03	33246064	33246236	Gmdrm	hypo	CHG	-0.0433
Gm03	33250346	33250678	Gmdrm	hypo	CHG	-0.0676
Gm03	33254770	33255041	Gmdrm	hypo	CHG	-0.3893
Gm03	33255191	33255216	Gmdrm	hypo	CHG	-0.5333
Gm03	33258874	33259018	Gmdrm	hypo	CHG	-0.37
Gm03	33259143	33259458	Gmdrm	hypo	CHG	-0.0727
Gm03	33260840	33261065	Gmdrm	hypo	CHG	-0.2536
Gm03	33262976	33263227	Gmdrm	hypo	CHG	-0.05
Gm03	33279682	33279892	Gmdrm	hypo	CHG	-0.116
Gm03	33294473	33294584	Gmdrm	hypo	CHG	-0.302
Gm03	33301849	33302316	Gmdrm	hypo	CHG	-0.1026
Gm03	33306070	33306295	Gmdrm	hypo	CHG	-0.03
Gm03	33311258	33311439	Gmdrm	hypo	CHG	-0.51
Gm03	33312737	33312824	Gmdrm	hypo	CHG	-0.198
Gm03	33313316	33313584	Gmdrm	hypo	CHG	-0.42
Gm03	33322718	33322864	Gmdrm	hypo	CHG	-0.088
Gm03	33325057	33325138	Gmdrm	hypo	CHG	-0.0329
Gm03	33337245	33337441	Gmdrm	hypo	CHG	-0.4589
Gm03	33337666	33337768	Gmdrm	hypo	CHG	-0.4057
Gm03	33343235	33344172	Gmdrm	hypo	CHG	-0.1369
Gm03	33358547	33358662	Gmdrm	hypo	CHG	-0.06
Gm03	33358884	33359082	Gmdrm	hypo	CHG	-0.25
Gm03	33359194	33359302	Gmdrm	hypo	CHG	-0.6422
Gm03	33374538	33374635	Gmdrm	hypo	CHG	-0.395
Gm03	33392313	33393080	Gmdrm	hypo	CHG	-0.3538
Gm03	33397157	33397622	Gmdrm	hypo	CHG	-0.5653
Gm03	33397990	33398098	Gmdrm	hypo	CHG	-0.4567
Gm03	33401720	33401891	Gmdrm	hypo	CHG	-0.7269
Gm03	33402010	33402062	Gmdrm	hypo	CHG	-0.505
Gm03	33408150	33408326	Gmdrm	hypo	CHG	-0.1125
Gm03	33408794	33409370	Gmdrm	hypo	CHG	-0.2848
Gm03	33435505	33435551	Gmdrm	hypo	CHG	-0.4783

Gm03	33437590	33437629	Gmdrm	hypo	CHG	-0.614
Gm03	33438272	33438299	Gmdrm	hypo	CHG	-0.712
Gm03	33440343	33440505	Gmdrm	hypo	CHG	-0.5863
Gm03	33443442	33443809	Gmdrm	hypo	CHG	-0.39
Gm03	33474507	33474739	Gmdrm	hypo	CHG	-0.2269
Gm03	33484266	33484534	Gmdrm	hypo	CHG	-0.4395
Gm03	33484684	33484843	Gmdrm	hypo	CHG	-0.8257
Gm03	33488181	33488574	Gmdrm	hypo	CHG	-0.2393
Gm03	33503421	33503598	Gmdrm	hypo	CHG	-0.4275
Gm03	33503716	33504279	Gmdrm	hypo	CHG	-0.3505
Gm03	33511102	33511344	Gmdrm	hypo	CHG	-0.035
Gm03	33515740	33515881	Gmdrm	hypo	CHG	-0.455
Gm03	33560898	33561126	Gmdrm	hypo	CHG	-0.413
Gm03	33564737	33565263	Gmdrm	hypo	CHG	-0.3844
Gm03	33571058	33571258	Gmdrm	hypo	CHG	-0.7245
Gm03	33573560	33573835	Gmdrm	hypo	CHG	-0.627
Gm03	33573973	33574360	Gmdrm	hypo	CHG	-0.2914
Gm03	33578155	33578308	Gmdrm	hypo	CHG	-0.4286
Gm03	33582563	33582745	Gmdrm	hypo	CHG	-0.27
Gm03	33583048	33583176	Gmdrm	hypo	CHG	-0.565
Gm03	33586341	33586960	Gmdrm	hypo	CHG	-0.3384
Gm03	33608199	33608301	Gmdrm	hypo	CHG	-0.3412
Gm03	33608734	33608923	Gmdrm	hypo	CHG	-0.4686
Gm03	33613683	33614092	Gmdrm	hypo	CHG	-0.3617
Gm03	33616580	33616753	Gmdrm	hypo	CHG	-0.5933
Gm03	33628892	33629089	Gmdrm	hypo	CHG	-0.1526
Gm03	33650319	33650570	Gmdrm	hypo	CHG	-0.242
Gm03	33658355	33658650	Gmdrm	hypo	CHG	-0.49
Gm03	33659382	33659431	Gmdrm	hypo	CHG	-0.15
Gm03	33673458	33673703	Gmdrm	hypo	CHG	-0.471
Gm03	33673874	33673982	Gmdrm	hypo	CHG	-0.5814
Gm03	33729267	33729764	Gmdrm	hypo	CHG	-0.0638
Gm03	33732682	33732721	Gmdrm	hypo	CHG	-0.268
Gm03	33733352	33733564	Gmdrm	hypo	CHG	-0.3485
Gm03	33734188	33734343	Gmdrm	hypo	CHG	-0.2242
Gm03	33738914	33739113	Gmdrm	hypo	CHG	-0.665
Gm03	33745897	33746463	Gmdrm	hypo	CHG	-0.4636
Gm03	33751227	33751288	Gmdrm	hypo	CHG	-0.526
Gm03	33752000	33752082	Gmdrm	hypo	CHG	-0.1133
Gm03	33755337	33755768	Gmdrm	hypo	CHG	-0.1772
Gm03	33760148	33760273	Gmdrm	hypo	CHG	-0.5486
Gm03	33760767	33760827	Gmdrm	hypo	CHG	-0.6917
Gm03	33802723	33803050	Gmdrm	hypo	CHG	-0.194
Gm03	33833335	33833697	Gmdrm	hypo	CHG	-0.0285
Gm03	33844582	33844727	Gmdrm	hypo	CHG	-0.5034
Gm03	33849693	33849835	Gmdrm	hypo	CHG	-0.3225

Gm03	33851596	33851680	Gmdrm	hypo	CHG	-0.3578
Gm03	33851858	33852282	Gmdrm	hypo	CHG	-0.3839
Gm03	33876788	33877045	Gmdrm	hypo	CHG	-0.69
Gm03	33877441	33877704	Gmdrm	hypo	CHG	-0.2646
Gm03	33885644	33885885	Gmdrm	hypo	CHG	-0.769
Gm03	33889477	33889608	Gmdrm	hypo	CHG	-0.4067
Gm03	33889766	33889806	Gmdrm	hypo	CHG	-0.8334
Gm03	33903474	33903608	Gmdrm	hypo	CHG	-0.5483
Gm03	33905013	33905168	Gmdrm	hypo	CHG	-0.5536
Gm03	33905696	33905850	Gmdrm	hypo	CHG	-0.4085
Gm03	33906117	33906447	Gmdrm	hypo	CHG	-0.5552
Gm03	33940006	33940233	Gmdrm	hypo	CHG	-0.674
Gm03	33946966	33947704	Gmdrm	hypo	CHG	-0.531
Gm03	33957970	33958132	Gmdrm	hypo	CHG	-0.04
Gm03	33959930	33960008	Gmdrm	hypo	CHG	-0.3584
Gm03	33960194	33960632	Gmdrm	hypo	CHG	-0.3653
Gm03	33967500	33968215	Gmdrm	hypo	CHG	-0.4241
Gm03	33983075	33983116	Gmdrm	hypo	CHG	-0.5825
Gm03	33996008	33996190	Gmdrm	hypo	CHG	-0.2894
Gm03	34004951	34005167	Gmdrm	hypo	CHG	-0.3957
Gm03	34022100	34022395	Gmdrm	hypo	CHG	-0.3776
Gm03	34030197	34030357	Gmdrm	hypo	CHG	-0.86
Gm03	34030466	34030523	Gmdrm	hypo	CHG	-0.608
Gm03	34030937	34031044	Gmdrm	hypo	CHG	-0.382
Gm03	34031147	34031491	Gmdrm	hypo	CHG	-0.7517
Gm03	34034510	34034729	Gmdrm	hypo	CHG	-0.54
Gm03	34034930	34035015	Gmdrm	hypo	CHG	-0.5766
Gm03	34042852	34043059	Gmdrm	hypo	CHG	-0.27
Gm03	34052304	34052478	Gmdrm	hypo	CHG	-0.328
Gm03	34053159	34053344	Gmdrm	hypo	CHG	-0.3417
Gm03	34053631	34053830	Gmdrm	hypo	CHG	-0.5611
Gm03	34055755	34055845	Gmdrm	hypo	CHG	-0.042
Gm03	34059073	34059251	Gmdrm	hypo	CHG	-0.032
Gm03	34061657	34062141	Gmdrm	hypo	CHG	-0.3132
Gm03	34110640	34110969	Gmdrm	hypo	CHG	-0.0323
Gm03	34117232	34118224	Gmdrm	hypo	CHG	-0.1489
Gm03	34125066	34125400	Gmdrm	hypo	CHG	-0.52
Gm03	34161624	34161647	Gmdrm	hypo	CHG	-0.906
Gm03	34163418	34163523	Gmdrm	hypo	CHG	-0.8043
Gm03	34173095	34173225	Gmdrm	hypo	CHG	-0.2015
Gm03	34175976	34176384	Gmdrm	hypo	CHG	-0.5381
Gm03	34208089	34208391	Gmdrm	hypo	CHG	-0.7082
Gm03	34210265	34210354	Gmdrm	hypo	CHG	-0.1
Gm03	34236747	34236992	Gmdrm	hypo	CHG	-0.2323
Gm03	34237401	34237542	Gmdrm	hypo	CHG	-0.5266
Gm03	34244229	34244251	Gmdrm	hypo	CHG	-0.3116

Gm03	34276887	34277013	Gmdrm	hypo	CHG	-0.89
Gm03	34278557	34278664	Gmdrm	hypo	CHG	-0.51
Gm03	34285841	34286240	Gmdrm	hypo	CHG	-0.1753
Gm03	34342060	34342195	Gmdrm	hypo	CHG	-0.038
Gm03	34350059	34350188	Gmdrm	hypo	CHG	-0.1471
Gm03	34351508	34351731	Gmdrm	hypo	CHG	-0.3517
Gm03	34362562	34362727	Gmdrm	hypo	CHG	-0.3413
Gm03	34383631	34383694	Gmdrm	hypo	CHG	-0.332
Gm03	34404709	34405110	Gmdrm	hypo	CHG	-0.4934
Gm03	34412718	34413124	Gmdrm	hypo	CHG	-0.4762
Gm03	34424226	34424594	Gmdrm	hypo	CHG	-0.2543
Gm03	34430217	34430463	Gmdrm	hypo	CHG	-0.8843
Gm03	34431119	34431330	Gmdrm	hypo	CHG	-0.4583
Gm03	34439540	34439790	Gmdrm	hypo	CHG	-0.526
Gm03	34447747	34448072	Gmdrm	hypo	CHG	-0.3001
Gm03	34460108	34460305	Gmdrm	hypo	CHG	-0.604
Gm03	34465602	34465689	Gmdrm	hypo	CHG	-0.8649
Gm03	34479267	34479307	Gmdrm	hypo	CHG	-0.535
Gm03	34479432	34479518	Gmdrm	hypo	CHG	-0.678
Gm03	34484027	34484312	Gmdrm	hypo	CHG	-0.0564
Gm03	34507843	34507866	Gmdrm	hypo	CHG	-0.1267
Gm03	34531643	34531933	Gmdrm	hypo	CHG	-0.9178
Gm03	34533202	34533513	Gmdrm	hypo	CHG	-0.1647
Gm03	34537080	34538063	Gmdrm	hypo	CHG	-0.1671
Gm03	34549940	34550179	Gmdrm	hypo	CHG	-0.2991
Gm03	34558413	34558473	Gmdrm	hypo	CHG	-0.085
Gm03	34558688	34559055	Gmdrm	hypo	CHG	-0.1767
Gm03	34559157	34559272	Gmdrm	hypo	CHG	-0.088
Gm03	34559478	34559649	Gmdrm	hypo	CHG	-0.172
Gm03	34560546	34561175	Gmdrm	hypo	CHG	-0.1975
Gm03	34563369	34564350	Gmdrm	hypo	CHG	-0.1032
Gm03	34564381	34565374	Gmdrm	hypo	CHG	-0.1421
Gm03	34565645	34566639	Gmdrm	hypo	CHG	-0.182
Gm03	34568280	34568588	Gmdrm	hypo	CHG	-0.1138
Gm03	34570706	34571447	Gmdrm	hypo	CHG	-0.1986
Gm03	34572801	34573783	Gmdrm	hypo	CHG	-0.2477
Gm03	34573862	34573967	Gmdrm	hypo	CHG	-0.28
Gm03	34575362	34575643	Gmdrm	hypo	CHG	-0.2677
Gm03	34576630	34576771	Gmdrm	hypo	CHG	-0.218
Gm03	34576935	34577043	Gmdrm	hypo	CHG	-0.46
Gm03	34577825	34578216	Gmdrm	hypo	CHG	-0.2979
Gm03	34580062	34580813	Gmdrm	hypo	CHG	-0.2081
Gm03	34580956	34581058	Gmdrm	hypo	CHG	-0.184
Gm03	34581283	34581717	Gmdrm	hypo	CHG	-0.1754
Gm03	34623019	34623111	Gmdrm	hypo	CHG	-0.5687
Gm03	34628463	34628653	Gmdrm	hypo	CHG	-0.2866

Gm03	34633515	34634053	Gmdrm	hypo	CHG	-0.7278
Gm03	34636579	34637218	Gmdrm	hypo	CHG	-0.4354
Gm03	34660415	34660662	Gmdrm	hypo	CHG	-0.0583
Gm03	34660835	34660964	Gmdrm	hypo	CHG	-0.3414
Gm03	34665604	34665814	Gmdrm	hypo	CHG	-0.829
Gm03	34666207	34666240	Gmdrm	hypo	CHG	-0.418
Gm03	34669987	34670263	Gmdrm	hypo	CHG	-0.045
Gm03	34705301	34705403	Gmdrm	hypo	CHG	-0.6133
Gm03	34705793	34705918	Gmdrm	hypo	CHG	-0.6433
Gm03	34708478	34708610	Gmdrm	hypo	CHG	-0.7193
Gm03	34714713	34715126	Gmdrm	hypo	CHG	-0.585
Gm03	34744595	34744763	Gmdrm	hypo	CHG	-0.6334
Gm03	34752677	34752892	Gmdrm	hypo	CHG	-0.8942
Gm03	34766118	34766140	Gmdrm	hypo	CHG	-0.584
Gm03	34767559	34767799	Gmdrm	hypo	CHG	-0.08
Gm03	34770996	34771385	Gmdrm	hypo	CHG	-0.0727
Gm03	34773800	34774047	Gmdrm	hypo	CHG	-0.8467
Gm03	34791015	34791198	Gmdrm	hypo	CHG	-0.3873
Gm03	34795019	34795124	Gmdrm	hypo	CHG	-0.8422
Gm03	34795738	34795788	Gmdrm	hypo	CHG	-0.7583
Gm03	34801730	34801997	Gmdrm	hypo	CHG	-0.5975
Gm03	34853810	34854182	Gmdrm	hypo	CHG	-0.3433
Gm03	34854314	34854701	Gmdrm	hypo	CHG	-0.4027
Gm03	34858436	34858791	Gmdrm	hypo	CHG	-0.05
Gm03	34863497	34863613	Gmdrm	hypo	CHG	-0.1757
Gm03	34885346	34885448	Gmdrm	hypo	CHG	-0.8082
Gm03	34888736	34888784	Gmdrm	hypo	CHG	-0.5933
Gm03	34897000	34897619	Gmdrm	hypo	CHG	-0.176
Gm03	34914848	34914931	Gmdrm	hypo	CHG	-0.032
Gm03	34917479	34917768	Gmdrm	hypo	CHG	-0.5162
Gm03	34918609	34918857	Gmdrm	hypo	CHG	-0.5242
Gm03	34922438	34922616	Gmdrm	hypo	CHG	-0.7942
Gm03	34931154	34931290	Gmdrm	hypo	CHG	-0.1805
Gm03	34932042	34932329	Gmdrm	hypo	CHG	-0.8404
Gm03	34949437	34949518	Gmdrm	hypo	CHG	-0.664
Gm03	34977788	34977939	Gmdrm	hypo	CHG	-0.0325
Gm03	34987528	34987919	Gmdrm	hypo	CHG	-0.229
Gm03	34989226	34989451	Gmdrm	hypo	CHG	-0.71
Gm03	34991763	34991869	Gmdrm	hypo	CHG	-0.8329
Gm03	35027843	35028315	Gmdrm	hypo	CHG	-0.1645
Gm03	35049060	35049429	Gmdrm	hypo	CHG	-0.3436
Gm03	35062407	35062518	Gmdrm	hypo	CHG	-0.6829
Gm03	35069208	35069958	Gmdrm	hypo	CHG	-0.3877
Gm03	35071143	35071422	Gmdrm	hypo	CHG	-0.6327
Gm03	35077634	35077707	Gmdrm	hypo	CHG	-0.704
Gm03	35078947	35079141	Gmdrm	hypo	CHG	-0.5443

Gm03	35090898	35091055	Gmdrm	hypo	CHG	-0.193
Gm03	35101178	35101271	Gmdrm	hypo	CHG	-0.3384
Gm03	35106853	35107040	Gmdrm	hypo	CHG	-0.0458
Gm03	35112178	35112225	Gmdrm	hypo	CHG	-0.2333
Gm03	35129291	35129390	Gmdrm	hypo	CHG	-0.5122
Gm03	35139704	35140191	Gmdrm	hypo	CHG	-0.2733
Gm03	35152474	35152953	Gmdrm	hypo	CHG	-0.5829
Gm03	35153558	35154085	Gmdrm	hypo	CHG	-0.3994
Gm03	35167646	35167828	Gmdrm	hypo	CHG	-0.8846
Gm03	35189641	35189736	Gmdrm	hypo	CHG	-0.6383
Gm03	35189970	35190137	Gmdrm	hypo	CHG	-0.3457
Gm03	35190243	35190334	Gmdrm	hypo	CHG	-0.2743
Gm03	35213851	35214005	Gmdrm	hypo	CHG	-0.5088
Gm03	35214139	35214414	Gmdrm	hypo	CHG	-0.2137
Gm03	35218346	35218721	Gmdrm	hypo	CHG	-0.5462
Gm03	35226905	35227167	Gmdrm	hypo	CHG	-0.455
Gm03	35239117	35239402	Gmdrm	hypo	CHG	-0.043
Gm03	35247855	35248378	Gmdrm	hypo	CHG	-0.0897
Gm03	35257089	35257187	Gmdrm	hypo	CHG	-0.5633
Gm03	35286264	35286427	Gmdrm	hypo	CHG	-0.785
Gm03	35295925	35296609	Gmdrm	hypo	CHG	-0.6255
Gm03	35296724	35297285	Gmdrm	hypo	CHG	-0.5328
Gm03	35297999	35298292	Gmdrm	hypo	CHG	-0.2447
Gm03	35298566	35299014	Gmdrm	hypo	CHG	-0.286
Gm03	35299309	35299601	Gmdrm	hypo	CHG	-0.5794
Gm03	35301099	35301548	Gmdrm	hypo	CHG	-0.3582
Gm03	35301879	35302214	Gmdrm	hypo	CHG	-0.7267
Gm03	35302337	35302910	Gmdrm	hypo	CHG	-0.6256
Gm03	35309545	35309575	Gmdrm	hypo	CHG	-0.5083
Gm03	35311048	35311330	Gmdrm	hypo	CHG	-0.6223
Gm03	35311466	35311491	Gmdrm	hypo	CHG	-0.435
Gm03	35315381	35315596	Gmdrm	hypo	CHG	-0.8945
Gm03	35324618	35324761	Gmdrm	hypo	CHG	-0.1057
Gm03	35337575	35337867	Gmdrm	hypo	CHG	-0.0278
Gm03	35339480	35339641	Gmdrm	hypo	CHG	-0.845
Gm03	35341109	35341205	Gmdrm	hypo	CHG	-0.29
Gm03	35344631	35344766	Gmdrm	hypo	CHG	-0.036
Gm03	35356819	35356984	Gmdrm	hypo	CHG	-0.4217
Gm03	35357523	35357632	Gmdrm	hypo	CHG	-0.5826
Gm03	35372905	35373132	Gmdrm	hypo	CHG	-0.0517
Gm03	35377895	35378081	Gmdrm	hypo	CHG	-0.6914
Gm03	35391153	35391384	Gmdrm	hypo	CHG	-0.6731
Gm03	35395785	35395838	Gmdrm	hypo	CHG	-0.494
Gm03	35418447	35418551	Gmdrm	hypo	CHG	-0.84
Gm03	35419002	35419167	Gmdrm	hypo	CHG	-0.7413
Gm03	35424520	35424639	Gmdrm	hypo	CHG	-0.05

Gm03	35426315	35426420	Gmdrm	hypo	CHG	-0.3216
Gm03	35444813	35445059	Gmdrm	hypo	CHG	-0.0529
Gm03	35448456	35448637	Gmdrm	hypo	CHG	-0.66
Gm03	35449059	35449600	Gmdrm	hypo	CHG	-0.5838
Gm03	35449815	35449986	Gmdrm	hypo	CHG	-0.3992
Gm03	35451413	35451533	Gmdrm	hypo	CHG	-0.4914
Gm03	35454677	35454798	Gmdrm	hypo	CHG	-0.466
Gm03	35454903	35454999	Gmdrm	hypo	CHG	-0.41
Gm03	35457631	35457776	Gmdrm	hypo	CHG	-0.8099
Gm03	35466240	35466457	Gmdrm	hypo	CHG	-0.024
Gm03	35488121	35488257	Gmdrm	hypo	CHG	-0.4622
Gm03	35496017	35496272	Gmdrm	hypo	CHG	-0.076
Gm03	35498200	35498595	Gmdrm	hypo	CHG	-0.4261
Gm03	35508097	35508477	Gmdrm	hypo	CHG	-0.34
Gm03	35515965	35516055	Gmdrm	hypo	CHG	-0.036
Gm03	35516627	35516683	Gmdrm	hypo	CHG	-0.1229
Gm03	35536360	35536501	Gmdrm	hypo	CHG	-0.59
Gm03	35537786	35537916	Gmdrm	hypo	CHG	-0.2967
Gm03	35544176	35544419	Gmdrm	hypo	CHG	-0.0609
Gm03	35557151	35557269	Gmdrm	hypo	CHG	-0.348
Gm03	35567231	35567335	Gmdrm	hypo	CHG	-0.054
Gm03	35574588	35575276	Gmdrm	hypo	CHG	-0.7422
Gm03	35582009	35582159	Gmdrm	hypo	CHG	-0.6514
Gm03	35582978	35583162	Gmdrm	hypo	CHG	-0.735
Gm03	35622520	35623144	Gmdrm	hypo	CHG	-0.1385
Gm03	35623701	35623867	Gmdrm	hypo	CHG	-0.4691
Gm03	35625756	35625859	Gmdrm	hypo	CHG	-0.3383
Gm03	35632598	35633304	Gmdrm	hypo	CHG	-0.0507
Gm03	35649283	35649404	Gmdrm	hypo	CHG	-0.5567
Gm03	35666938	35667142	Gmdrm	hypo	CHG	-0.8494
Gm03	35668924	35669296	Gmdrm	hypo	CHG	-0.8245
Gm03	35669503	35669632	Gmdrm	hypo	CHG	-0.4089
Gm03	35695052	35695195	Gmdrm	hypo	CHG	-0.6514
Gm03	35711878	35711971	Gmdrm	hypo	CHG	-0.142
Gm03	35716940	35717070	Gmdrm	hypo	CHG	-0.5267
Gm03	35728552	35728758	Gmdrm	hypo	CHG	-0.3407
Gm03	35740522	35740684	Gmdrm	hypo	CHG	-0.0417
Gm03	35741154	35741254	Gmdrm	hypo	CHG	-0.04
Gm03	35746888	35747264	Gmdrm	hypo	CHG	-0.4924
Gm03	35760342	35760552	Gmdrm	hypo	CHG	-0.4189
Gm03	35762038	35762140	Gmdrm	hypo	CHG	-0.4934
Gm03	35762478	35762535	Gmdrm	hypo	CHG	-0.69
Gm03	35775558	35775679	Gmdrm	hypo	CHG	-0.6814
Gm03	35776086	35776234	Gmdrm	hypo	CHG	-0.8975
Gm03	35776552	35776715	Gmdrm	hypo	CHG	-0.7257
Gm03	35782563	35782880	Gmdrm	hypo	CHG	-0.7568

Gm03	35783047	35783240	Gmdrm	hypo	CHG	-0.3184
Gm03	35784211	35784384	Gmdrm	hypo	CHG	-0.5457
Gm03	35788982	35789087	Gmdrm	hypo	CHG	-0.6633
Gm03	35789313	35789436	Gmdrm	hypo	CHG	-0.713
Gm03	35801640	35801921	Gmdrm	hypo	CHG	-0.0271
Gm03	35809230	35809292	Gmdrm	hypo	CHG	-0.578
Gm03	35809906	35809944	Gmdrm	hypo	CHG	-0.764
Gm03	35810815	35811021	Gmdrm	hypo	CHG	-0.37
Gm03	35814683	35814751	Gmdrm	hypo	CHG	-0.0317
Gm03	35816069	35816582	Gmdrm	hypo	CHG	-0.0889
Gm03	35828072	35828438	Gmdrm	hypo	CHG	-0.5477
Gm03	35828580	35829105	Gmdrm	hypo	CHG	-0.7836
Gm03	35839654	35839873	Gmdrm	hypo	CHG	-0.296
Gm03	35840289	35840357	Gmdrm	hypo	CHG	-0.5171
Gm03	35843619	35843747	Gmdrm	hypo	CHG	-0.7251
Gm03	35866936	35867078	Gmdrm	hypo	CHG	-0.19
Gm03	35868470	35869128	Gmdrm	hypo	CHG	-0.8476
Gm03	35869245	35869330	Gmdrm	hypo	CHG	-0.9087
Gm03	35872241	35872296	Gmdrm	hypo	CHG	-0.068
Gm03	35878439	35878540	Gmdrm	hypo	CHG	-0.05
Gm03	35878649	35879181	Gmdrm	hypo	CHG	-0.6871
Gm03	35885109	35885337	Gmdrm	hypo	CHG	-0.6927
Gm03	35893573	35893881	Gmdrm	hypo	CHG	-0.475
Gm03	35897146	35897218	Gmdrm	hypo	CHG	-0.865
Gm03	35899631	35899750	Gmdrm	hypo	CHG	-0.535
Gm03	35915491	35915541	Gmdrm	hypo	CHG	-0.7171
Gm03	35916204	35916585	Gmdrm	hypo	CHG	-0.4179
Gm03	35943735	35944287	Gmdrm	hypo	CHG	-0.6742
Gm03	35944574	35945062	Gmdrm	hypo	CHG	-0.5773
Gm03	35950185	35950506	Gmdrm	hypo	CHG	-0.5955
Gm03	35981008	35981023	Gmdrm	hypo	CHG	-0.5433
Gm03	35990202	35991179	Gmdrm	hypo	CHG	-0.3233
Gm03	36001954	36002300	Gmdrm	hypo	CHG	-0.6585
Gm03	36007981	36008180	Gmdrm	hypo	CHG	-0.8327
Gm03	36049348	36049498	Gmdrm	hypo	CHG	-0.3611
Gm03	36055358	36055399	Gmdrm	hypo	CHG	-0.226
Gm03	36055602	36055742	Gmdrm	hypo	CHG	-0.77
Gm03	36057849	36058114	Gmdrm	hypo	CHG	-0.0706
Gm03	36068820	36068942	Gmdrm	hypo	CHG	-0.3075
Gm03	36069267	36069375	Gmdrm	hypo	CHG	-0.8433
Gm03	36069515	36069707	Gmdrm	hypo	CHG	-0.4088
Gm03	36093648	36093773	Gmdrm	hypo	CHG	-0.1017
Gm03	36114127	36114223	Gmdrm	hypo	CHG	-0.7951
Gm03	36114392	36114541	Gmdrm	hypo	CHG	-0.4257
Gm03	36116777	36116968	Gmdrm	hypo	CHG	-0.746
Gm03	36123673	36123823	Gmdrm	hypo	CHG	-0.6535

Gm03	36124044	36124147	Gmdrm	hypo	CHG	-0.7389
Gm03	36139816	36140387	Gmdrm	hypo	CHG	-0.6022
Gm03	36140628	36140729	Gmdrm	hypo	CHG	-0.5857
Gm03	36140989	36141177	Gmdrm	hypo	CHG	-0.824
Gm03	36141329	36141475	Gmdrm	hypo	CHG	-0.034
Gm03	36156645	36156865	Gmdrm	hypo	CHG	-0.199
Gm03	36157046	36157175	Gmdrm	hypo	CHG	-0.2537
Gm03	36157784	36157894	Gmdrm	hypo	CHG	-0.0329
Gm03	36178447	36178775	Gmdrm	hypo	CHG	-0.8341
Gm03	36179478	36179509	Gmdrm	hypo	CHG	-0.81
Gm03	36180545	36180737	Gmdrm	hypo	CHG	-0.6378
Gm03	36181101	36181201	Gmdrm	hypo	CHG	-0.8467
Gm03	36181411	36181484	Gmdrm	hypo	CHG	-0.7043
Gm03	36186205	36186380	Gmdrm	hypo	CHG	-0.6378
Gm03	36194473	36194730	Gmdrm	hypo	CHG	-0.8487
Gm03	36195606	36195883	Gmdrm	hypo	CHG	-0.8553
Gm03	36219611	36219964	Gmdrm	hypo	CHG	-0.776
Gm03	36252915	36253186	Gmdrm	hypo	CHG	-0.6359
Gm03	36253340	36253745	Gmdrm	hypo	CHG	-0.4974
Gm03	36253883	36254126	Gmdrm	hypo	CHG	-0.4678
Gm03	36255111	36255331	Gmdrm	hypo	CHG	-0.2937
Gm03	36255464	36256201	Gmdrm	hypo	CHG	-0.2225
Gm03	36257858	36258010	Gmdrm	hypo	CHG	-0.3546
Gm03	36258475	36259257	Gmdrm	hypo	CHG	-0.3439
Gm03	36259367	36259812	Gmdrm	hypo	CHG	-0.3738
Gm03	36271332	36271496	Gmdrm	hypo	CHG	-0.6525
Gm03	36272350	36272665	Gmdrm	hypo	CHG	-0.767
Gm03	36279161	36279726	Gmdrm	hypo	CHG	-0.3556
Gm03	36280727	36280861	Gmdrm	hypo	CHG	-0.5547
Gm03	36280993	36281157	Gmdrm	hypo	CHG	-0.43
Gm03	36283552	36284017	Gmdrm	hypo	CHG	-0.6093
Gm03	36284135	36284387	Gmdrm	hypo	CHG	-0.7592
Gm03	36295000	36295088	Gmdrm	hypo	CHG	-0.1257
Gm03	36299281	36299472	Gmdrm	hypo	CHG	-0.6243
Gm03	36300066	36300301	Gmdrm	hypo	CHG	-0.5355
Gm03	36300534	36300661	Gmdrm	hypo	CHG	-0.405
Gm03	36300862	36301141	Gmdrm	hypo	CHG	-0.5471
Gm03	36312305	36312420	Gmdrm	hypo	CHG	-0.554
Gm03	36312996	36313155	Gmdrm	hypo	CHG	-0.2587
Gm03	36323573	36323788	Gmdrm	hypo	CHG	-0.2453
Gm03	36325659	36326254	Gmdrm	hypo	CHG	-0.2896
Gm03	36336485	36337400	Gmdrm	hypo	CHG	-0.1356
Gm03	36348838	36349243	Gmdrm	hypo	CHG	-0.1617
Gm03	36349367	36350118	Gmdrm	hypo	CHG	-0.3842
Gm03	36350231	36351221	Gmdrm	hypo	CHG	-0.414
Gm03	36358936	36359022	Gmdrm	hypo	CHG	-0.038

Gm03	36363897	36364249	Gmdrm	hypo	CHG	-0.1387
Gm03	36367359	36367635	Gmdrm	hypo	CHG	-0.2092
Gm03	36375893	36375945	Gmdrm	hypo	CHG	-0.476
Gm03	36376114	36376617	Gmdrm	hypo	CHG	-0.3031
Gm03	36376726	36377442	Gmdrm	hypo	CHG	-0.2142
Gm03	36391595	36391850	Gmdrm	hypo	CHG	-0.3125
Gm03	36399852	36400112	Gmdrm	hypo	CHG	-0.3408
Gm03	36430397	36430740	Gmdrm	hypo	CHG	-0.7674
Gm03	36430984	36431072	Gmdrm	hypo	CHG	-0.5756
Gm03	36433424	36433535	Gmdrm	hypo	CHG	-0.044
Gm03	36433892	36434026	Gmdrm	hypo	CHG	-0.034
Gm03	36436043	36436311	Gmdrm	hypo	CHG	-0.3053
Gm03	36436527	36436801	Gmdrm	hypo	CHG	-0.0989
Gm03	36454523	36454696	Gmdrm	hypo	CHG	-0.0267
Gm03	36455098	36455354	Gmdrm	hypo	CHG	-0.6773
Gm03	36455664	36455694	Gmdrm	hypo	CHG	-0.8733
Gm03	36460480	36460550	Gmdrm	hypo	CHG	-0.3512
Gm03	36484260	36484787	Gmdrm	hypo	CHG	-0.4509
Gm03	36487990	36488203	Gmdrm	hypo	CHG	-0.0846
Gm03	36506092	36506178	Gmdrm	hypo	CHG	-0.3543
Gm03	36541671	36541944	Gmdrm	hypo	CHG	-0.5445
Gm03	36542096	36542258	Gmdrm	hypo	CHG	-0.4891
Gm03	36543653	36543810	Gmdrm	hypo	CHG	-0.8022
Gm03	36547680	36547824	Gmdrm	hypo	CHG	-0.12
Gm03	36561092	36561284	Gmdrm	hypo	CHG	-0.6736
Gm03	36590953	36591241	Gmdrm	hypo	CHG	-0.6971
Gm03	36591397	36591595	Gmdrm	hypo	CHG	-0.8827
Gm03	36603399	36603452	Gmdrm	hypo	CHG	-0.798
Gm03	36638774	36638882	Gmdrm	hypo	CHG	-0.4338
Gm03	36647331	36647374	Gmdrm	hypo	CHG	-0.386
Gm03	36674845	36675141	Gmdrm	hypo	CHG	-0.0625
Gm03	36692886	36693057	Gmdrm	hypo	CHG	-0.05
Gm03	36698416	36698591	Gmdrm	hypo	CHG	-0.044
Gm03	36699465	36699740	Gmdrm	hypo	CHG	-0.2708
Gm03	36711930	36712178	Gmdrm	hypo	CHG	-0.0422
Gm03	36723719	36724200	Gmdrm	hypo	CHG	-0.0814
Gm03	36734161	36734743	Gmdrm	hypo	CHG	-0.16
Gm03	36742134	36742412	Gmdrm	hypo	CHG	-0.035
Gm03	36742559	36742703	Gmdrm	hypo	CHG	-0.4831
Gm03	36743241	36743524	Gmdrm	hypo	CHG	-0.3195
Gm03	36755655	36755917	Gmdrm	hypo	CHG	-0.8037
Gm03	36772198	36772412	Gmdrm	hypo	CHG	-0.5924
Gm03	36802561	36802647	Gmdrm	hypo	CHG	-0.054
Gm03	36802810	36802908	Gmdrm	hypo	CHG	-0.5943
Gm03	36803092	36803181	Gmdrm	hypo	CHG	-0.6313
Gm03	36806297	36806366	Gmdrm	hypo	CHG	-0.036

Gm03	36807930	36808021	Gmdrm	hypo	CHG	-0.5315
Gm03	36837347	36837480	Gmdrm	hypo	CHG	-0.2399
Gm03	36839848	36839993	Gmdrm	hypo	CHG	-0.6411
Gm03	36840673	36840894	Gmdrm	hypo	CHG	-0.8523
Gm03	36852860	36853139	Gmdrm	hypo	CHG	-0.7067
Gm03	36856895	36857063	Gmdrm	hypo	CHG	-0.087
Gm03	36869882	36870055	Gmdrm	hypo	CHG	-0.4025
Gm03	36902830	36903114	Gmdrm	hypo	CHG	-0.5909
Gm03	36905140	36905347	Gmdrm	hypo	CHG	-0.8983
Gm03	36909159	36909706	Gmdrm	hypo	CHG	-0.2009
Gm03	36917523	36917597	Gmdrm	hypo	CHG	-0.525
Gm03	36917744	36917862	Gmdrm	hypo	CHG	-0.8384
Gm03	36918077	36918162	Gmdrm	hypo	CHG	-0.7472
Gm03	36918273	36918613	Gmdrm	hypo	CHG	-0.706
Gm03	36925246	36925466	Gmdrm	hypo	CHG	-0.0325
Gm03	36929884	36930100	Gmdrm	hypo	CHG	-0.0514
Gm03	36936335	36936633	Gmdrm	hypo	CHG	-0.8057
Gm03	36936929	36937045	Gmdrm	hypo	CHG	-0.8683
Gm03	36937610	36937895	Gmdrm	hypo	CHG	-0.8014
Gm03	36946376	36946632	Gmdrm	hypo	CHG	-0.3781
Gm03	36946914	36947074	Gmdrm	hypo	CHG	-0.7422
Gm03	36947187	36947387	Gmdrm	hypo	CHG	-0.782
Gm03	36948930	36949170	Gmdrm	hypo	CHG	-0.5941
Gm03	36949277	36949535	Gmdrm	hypo	CHG	-0.5444
Gm03	36949666	36950018	Gmdrm	hypo	CHG	-0.4775
Gm03	36954284	36954552	Gmdrm	hypo	CHG	-0.8189
Gm03	36954785	36955089	Gmdrm	hypo	CHG	-0.6214
Gm03	36961925	36962062	Gmdrm	hypo	CHG	-0.2883
Gm03	36962911	36963052	Gmdrm	hypo	CHG	-0.3758
Gm03	36966629	36966788	Gmdrm	hypo	CHG	-0.654
Gm03	36967613	36967792	Gmdrm	hypo	CHG	-0.34
Gm03	36968931	36969167	Gmdrm	hypo	CHG	-0.6831
Gm03	36975004	36975217	Gmdrm	hypo	CHG	-0.5877
Gm03	36975353	36975578	Gmdrm	hypo	CHG	-0.608
Gm03	36975919	36976084	Gmdrm	hypo	CHG	-0.4034
Gm03	36987045	36987342	Gmdrm	hypo	CHG	-0.0467
Gm03	37005694	37005954	Gmdrm	hypo	CHG	-0.455
Gm03	37007343	37007685	Gmdrm	hypo	CHG	-0.5286
Gm03	37007845	37007946	Gmdrm	hypo	CHG	-0.0867
Gm03	37028469	37028512	Gmdrm	hypo	CHG	-0.038
Gm03	37031293	37031435	Gmdrm	hypo	CHG	-0.0674
Gm03	37040354	37040650	Gmdrm	hypo	CHG	-0.0445
Gm03	37044157	37044443	Gmdrm	hypo	CHG	-0.0364
Gm03	37061241	37061468	Gmdrm	hypo	CHG	-0.0733
Gm03	37070263	37070329	Gmdrm	hypo	CHG	-0.046
Gm03	37084874	37085031	Gmdrm	hypo	CHG	-0.175

Gm03	37123341	37123564	Gmdrm	hypo	CHG	-0.3311
Gm03	37135813	37135873	Gmdrm	hypo	CHG	-0.564
Gm03	37136128	37136240	Gmdrm	hypo	CHG	-0.375
Gm03	37143888	37144136	Gmdrm	hypo	CHG	-0.2735
Gm03	37152153	37152279	Gmdrm	hypo	CHG	-0.04
Gm03	37171758	37171786	Gmdrm	hypo	CHG	-0.8067
Gm03	37176673	37177260	Gmdrm	hypo	CHG	-0.3552
Gm03	37179122	37179868	Gmdrm	hypo	CHG	-0.2684
Gm03	37179973	37180043	Gmdrm	hypo	CHG	-0.4563
Gm03	37227682	37227764	Gmdrm	hypo	CHG	-0.556
Gm03	37230135	37230365	Gmdrm	hypo	CHG	-0.71
Gm03	37249691	37249787	Gmdrm	hypo	CHG	-0.025
Gm03	37261802	37262056	Gmdrm	hypo	CHG	-0.0414
Gm03	37280216	37280747	Gmdrm	hypo	CHG	-0.5514
Gm03	37282740	37282831	Gmdrm	hypo	CHG	-0.64
Gm03	37312288	37312801	Gmdrm	hypo	CHG	-0.2676
Gm03	37333173	37333247	Gmdrm	hypo	CHG	-0.104
Gm03	37360115	37360196	Gmdrm	hypo	CHG	-0.6192
Gm03	37425762	37425796	Gmdrm	hypo	CHG	-0.502
Gm03	37426153	37426325	Gmdrm	hypo	CHG	-0.0557
Gm03	37433391	37433540	Gmdrm	hypo	CHG	-0.1614
Gm03	37450651	37450999	Gmdrm	hypo	CHG	-0.2041
Gm03	37451132	37451789	Gmdrm	hypo	CHG	-0.3959
Gm03	37452528	37453130	Gmdrm	hypo	CHG	-0.036
Gm03	37478323	37478456	Gmdrm	hypo	CHG	-0.27
Gm03	37485930	37486149	Gmdrm	hypo	CHG	-0.598
Gm03	37494849	37494897	Gmdrm	hypo	CHG	-0.4667
Gm03	37511312	37511400	Gmdrm	hypo	CHG	-0.7672
Gm03	37513700	37514213	Gmdrm	hypo	CHG	-0.2514
Gm03	37521273	37521355	Gmdrm	hypo	CHG	-0.052
Gm03	37530830	37531101	Gmdrm	hypo	CHG	-0.1875
Gm03	37532644	37533358	Gmdrm	hypo	CHG	-0.4747
Gm03	37566758	37567040	Gmdrm	hypo	CHG	-0.1287
Gm03	37590678	37590863	Gmdrm	hypo	CHG	-0.738
Gm03	37590969	37591290	Gmdrm	hypo	CHG	-0.8205
Gm03	37596747	37597124	Gmdrm	hypo	CHG	-0.2843
Gm03	37597268	37597526	Gmdrm	hypo	CHG	-0.2467
Gm03	37602555	37602757	Gmdrm	hypo	CHG	-0.044
Gm03	37617917	37618837	Gmdrm	hypo	CHG	-0.0529
Gm03	37618931	37619488	Gmdrm	hypo	CHG	-0.0731
Gm03	37619648	37619956	Gmdrm	hypo	CHG	-0.142
Gm03	37630391	37630777	Gmdrm	hypo	CHG	-0.851
Gm03	37631175	37631403	Gmdrm	hypo	CHG	-0.74
Gm03	37633977	37634181	Gmdrm	hypo	CHG	-0.8313
Gm03	37635858	37635996	Gmdrm	hypo	CHG	-0.12
Gm03	37651468	37651624	Gmdrm	hypo	CHG	-0.3667

Gm03	37693086	37693181	Gmdrm	hypo	CHG	-0.7244
Gm03	37700796	37701287	Gmdrm	hypo	CHG	-0.3595
Gm03	37701546	37701667	Gmdrm	hypo	CHG	-0.082
Gm03	37721915	37722728	Gmdrm	hypo	CHG	-0.2608
Gm03	37734298	37735131	Gmdrm	hypo	CHG	-0.37
Gm03	37737122	37737419	Gmdrm	hypo	CHG	-0.0667
Gm03	37752635	37752803	Gmdrm	hypo	CHG	-0.0277
Gm03	37759887	37760087	Gmdrm	hypo	CHG	-0.966
Gm03	37825509	37825689	Gmdrm	hypo	CHG	-0.0562
Gm03	37834906	37835189	Gmdrm	hypo	CHG	-0.679
Gm03	37843459	37843838	Gmdrm	hypo	CHG	-0.3458
Gm03	37860259	37860416	Gmdrm	hypo	CHG	-0.4389
Gm03	37864457	37864581	Gmdrm	hypo	CHG	-0.08
Gm03	37883315	37883519	Gmdrm	hypo	CHG	-0.0456
Gm03	37917917	37918124	Gmdrm	hypo	CHG	-0.7211
Gm03	37918382	37918517	Gmdrm	hypo	CHG	-0.3354
Gm03	37938882	37938989	Gmdrm	hypo	CHG	-0.198
Gm03	37939233	37939327	Gmdrm	hypo	CHG	-0.8812
Gm03	37939527	37939627	Gmdrm	hypo	CHG	-0.59
Gm03	37942526	37943042	Gmdrm	hypo	CHG	-0.1472
Gm03	37953031	37953364	Gmdrm	hypo	CHG	-0.045
Gm03	37972869	37973281	Gmdrm	hypo	CHG	-0.0491
Gm03	37993685	37993783	Gmdrm	hypo	CHG	-0.3237
Gm03	37995432	37995467	Gmdrm	hypo	CHG	-0.7183
Gm03	37995887	37996198	Gmdrm	hypo	CHG	-0.69
Gm03	37996580	37996880	Gmdrm	hypo	CHG	-0.7392
Gm03	38001537	38001702	Gmdrm	hypo	CHG	-0.7283
Gm03	38012247	38012734	Gmdrm	hypo	CHG	-0.8284
Gm03	38012895	38013082	Gmdrm	hypo	CHG	-0.9033
Gm03	38013214	38013618	Gmdrm	hypo	CHG	-0.8241
Gm03	38013910	38014015	Gmdrm	hypo	CHG	-0.9571
Gm03	38025451	38025783	Gmdrm	hypo	CHG	-0.4984
Gm03	38047783	38048017	Gmdrm	hypo	CHG	-0.0682
Gm03	38055004	38055388	Gmdrm	hypo	CHG	-0.5373
Gm03	38064617	38065002	Gmdrm	hypo	CHG	-0.8086
Gm03	38098642	38099077	Gmdrm	hypo	CHG	-0.5591
Gm03	38099225	38099698	Gmdrm	hypo	CHG	-0.7104
Gm03	38120220	38120366	Gmdrm	hypo	CHG	-0.2988
Gm03	38147007	38147270	Gmdrm	hypo	CHG	-0.4353
Gm03	38158210	38158338	Gmdrm	hypo	CHG	-0.7392
Gm03	38158833	38159212	Gmdrm	hypo	CHG	-0.642
Gm03	38159337	38159360	Gmdrm	hypo	CHG	-0.054
Gm03	38178256	38178584	Gmdrm	hypo	CHG	-0.5192
Gm03	38180149	38180550	Gmdrm	hypo	CHG	-0.33
Gm03	38181470	38181600	Gmdrm	hypo	CHG	-0.7455
Gm03	38184968	38185581	Gmdrm	hypo	CHG	-0.8974

Gm03	38188513	38188731	Gmdrm	hypo	CHG	-0.0467
Gm03	38199773	38199904	Gmdrm	hypo	CHG	-0.7117
Gm03	38200411	38200543	Gmdrm	hypo	CHG	-0.3295
Gm03	38220428	38220615	Gmdrm	hypo	CHG	-0.5071
Gm03	38221036	38221309	Gmdrm	hypo	CHG	-0.6456
Gm03	38230977	38231047	Gmdrm	hypo	CHG	-0.7167
Gm03	38231250	38231399	Gmdrm	hypo	CHG	-0.2457
Gm03	38233854	38233951	Gmdrm	hypo	CHG	-0.4533
Gm03	38238054	38238224	Gmdrm	hypo	CHG	-0.7025
Gm03	38238451	38238704	Gmdrm	hypo	CHG	-0.7408
Gm03	38238945	38239034	Gmdrm	hypo	CHG	-0.6417
Gm03	38239242	38239430	Gmdrm	hypo	CHG	-0.6675
Gm03	38260223	38260429	Gmdrm	hypo	CHG	-0.6
Gm03	38261619	38261809	Gmdrm	hypo	CHG	-0.0333
Gm03	38287508	38287665	Gmdrm	hypo	CHG	-0.4457
Gm03	38304340	38304616	Gmdrm	hypo	CHG	-0.075
Gm03	38308100	38308160	Gmdrm	hypo	CHG	-0.6433
Gm03	38308366	38308461	Gmdrm	hypo	CHG	-0.426
Gm03	38325765	38326102	Gmdrm	hypo	CHG	-0.0982
Gm03	38326595	38326734	Gmdrm	hypo	CHG	-0.08
Gm03	38329017	38329094	Gmdrm	hypo	CHG	-0.06
Gm03	38339874	38340361	Gmdrm	hypo	CHG	-0.0984
Gm03	38344046	38344160	Gmdrm	hypo	CHG	-0.4
Gm03	38344709	38345017	Gmdrm	hypo	CHG	-0.598
Gm03	38345157	38345476	Gmdrm	hypo	CHG	-0.8025
Gm03	38345713	38345916	Gmdrm	hypo	CHG	-0.507
Gm03	38363616	38363659	Gmdrm	hypo	CHG	-0.728
Gm03	38383206	38383379	Gmdrm	hypo	CHG	-0.505
Gm03	38390834	38390891	Gmdrm	hypo	CHG	-0.5984
Gm03	38391723	38392131	Gmdrm	hypo	CHG	-0.7175
Gm03	38392309	38392410	Gmdrm	hypo	CHG	-0.61
Gm03	38395734	38395926	Gmdrm	hypo	CHG	-0.0343
Gm03	38397016	38397123	Gmdrm	hypo	CHG	-0.038
Gm03	38421448	38421584	Gmdrm	hypo	CHG	-0.466
Gm03	38421814	38421916	Gmdrm	hypo	CHG	-0.718
Gm03	38422078	38422480	Gmdrm	hypo	CHG	-0.2305
Gm03	38432401	38432512	Gmdrm	hypo	CHG	-0.055
Gm03	38444974	38444989	Gmdrm	hypo	CHG	-0.142
Gm03	38452262	38452505	Gmdrm	hypo	CHG	-0.61
Gm03	38452822	38452905	Gmdrm	hypo	CHG	-0.9183
Gm03	38480150	38480173	Gmdrm	hypo	CHG	-0.688
Gm03	38483189	38483482	Gmdrm	hypo	CHG	-0.5116
Gm03	38485297	38485484	Gmdrm	hypo	CHG	-0.6444
Gm03	38495279	38495562	Gmdrm	hypo	CHG	-0.6731
Gm03	38495782	38496188	Gmdrm	hypo	CHG	-0.2993
Gm03	38497082	38497292	Gmdrm	hypo	CHG	-0.6953

Gm03	38500164	38500262	Gmdrm	hypo	CHG	-0.8372
Gm03	38500407	38500724	Gmdrm	hypo	CHG	-0.8433
Gm03	38507256	38507327	Gmdrm	hypo	CHG	-0.5133
Gm03	38507449	38507567	Gmdrm	hypo	CHG	-0.5807
Gm03	38507748	38507828	Gmdrm	hypo	CHG	-0.8686
Gm03	38508114	38508239	Gmdrm	hypo	CHG	-0.7885
Gm03	38533893	38534043	Gmdrm	hypo	CHG	-0.895
Gm03	38539083	38539311	Gmdrm	hypo	CHG	-0.0483
Gm03	38554025	38554116	Gmdrm	hypo	CHG	-0.0663
Gm03	38575762	38575912	Gmdrm	hypo	CHG	-0.6744
Gm03	38576057	38576247	Gmdrm	hypo	CHG	-0.7866
Gm03	38582842	38582961	Gmdrm	hypo	CHG	-0.4362
Gm03	38587450	38587752	Gmdrm	hypo	CHG	-0.0412
Gm03	38588155	38588698	Gmdrm	hypo	CHG	-0.2315
Gm03	38598344	38598468	Gmdrm	hypo	CHG	-0.595
Gm03	38606224	38606349	Gmdrm	hypo	CHG	-0.9743
Gm03	38609443	38609644	Gmdrm	hypo	CHG	-0.54
Gm03	38622571	38622606	Gmdrm	hypo	CHG	-0.602
Gm03	38622718	38622929	Gmdrm	hypo	CHG	-0.8243
Gm03	38623180	38623317	Gmdrm	hypo	CHG	-0.805
Gm03	38626185	38626283	Gmdrm	hypo	CHG	-0.154
Gm03	38626422	38626535	Gmdrm	hypo	CHG	-0.7827
Gm03	38645141	38645870	Gmdrm	hypo	CHG	-0.0333
Gm03	38647836	38648062	Gmdrm	hypo	CHG	-0.0275
Gm03	38675240	38675378	Gmdrm	hypo	CHG	-0.2583
Gm03	38715837	38715941	Gmdrm	hypo	CHG	-0.3666
Gm03	38730977	38731166	Gmdrm	hypo	CHG	-0.3683
Gm03	38761577	38761806	Gmdrm	hypo	CHG	-0.055
Gm03	38765555	38765824	Gmdrm	hypo	CHG	-0.158
Gm03	38772725	38772881	Gmdrm	hypo	CHG	-0.0917
Gm03	38773059	38773200	Gmdrm	hypo	CHG	-0.5713
Gm03	38773508	38773566	Gmdrm	hypo	CHG	-0.694
Gm03	38827552	38827843	Gmdrm	hypo	CHG	-0.4107
Gm03	38828836	38829001	Gmdrm	hypo	CHG	-0.6389
Gm03	38876502	38876824	Gmdrm	hypo	CHG	-0.8255
Gm03	38889148	38889272	Gmdrm	hypo	CHG	-0.052
Gm03	38908620	38908747	Gmdrm	hypo	CHG	-0.046
Gm03	38913259	38913370	Gmdrm	hypo	CHG	-0.7212
Gm03	38913690	38913713	Gmdrm	hypo	CHG	-0.835
Gm03	38913979	38914029	Gmdrm	hypo	CHG	-0.8433
Gm03	38914411	38914491	Gmdrm	hypo	CHG	-0.7686
Gm03	38921579	38921795	Gmdrm	hypo	CHG	-0.7054
Gm03	38922163	38922194	Gmdrm	hypo	CHG	-0.8443
Gm03	38927764	38927872	Gmdrm	hypo	CHG	-0.47
Gm03	38928217	38928297	Gmdrm	hypo	CHG	-0.895
Gm03	38969649	38969704	Gmdrm	hypo	CHG	-0.435

Gm03	38970770	38970925	Gmdrm	hypo	CHG	-0.6814
Gm03	38971111	38971231	Gmdrm	hypo	CHG	-0.51
Gm03	38974340	38974657	Gmdrm	hypo	CHG	-0.7627
Gm03	38978011	38978462	Gmdrm	hypo	CHG	-0.6919
Gm03	38978833	38978919	Gmdrm	hypo	CHG	-0.834
Gm03	38979131	38979280	Gmdrm	hypo	CHG	-0.6887
Gm03	38979573	38979792	Gmdrm	hypo	CHG	-0.8055
Gm03	38991408	38991786	Gmdrm	hypo	CHG	-0.04
Gm03	39009858	39009895	Gmdrm	hypo	CHG	-0.7886
Gm03	39014607	39014768	Gmdrm	hypo	CHG	-0.05
Gm03	39020210	39020337	Gmdrm	hypo	CHG	-0.07
Gm03	39035336	39035499	Gmdrm	hypo	CHG	-0.0314
Gm03	39051990	39052145	Gmdrm	hypo	CHG	-0.425
Gm03	39072040	39072109	Gmdrm	hypo	CHG	-0.826
Gm03	39072216	39072463	Gmdrm	hypo	CHG	-0.635
Gm03	39072578	39072645	Gmdrm	hypo	CHG	-0.7617
Gm03	39074100	39074541	Gmdrm	hypo	CHG	-0.2907
Gm03	39075243	39075425	Gmdrm	hypo	CHG	-0.027
Gm03	39104356	39105349	Gmdrm	hypo	CHG	-0.2676
Gm03	39130484	39130549	Gmdrm	hypo	CHG	-0.5
Gm03	39130744	39130819	Gmdrm	hypo	CHG	-0.5629
Gm03	39130937	39131086	Gmdrm	hypo	CHG	-0.561
Gm03	39131728	39131929	Gmdrm	hypo	CHG	-0.4143
Gm03	39132090	39132132	Gmdrm	hypo	CHG	-0.4487
Gm03	39147874	39148147	Gmdrm	hypo	CHG	-0.7184
Gm03	39151215	39151834	Gmdrm	hypo	CHG	-0.0405
Gm03	39154084	39154165	Gmdrm	hypo	CHG	-0.905
Gm03	39154405	39154493	Gmdrm	hypo	CHG	-0.664
Gm03	39154623	39154790	Gmdrm	hypo	CHG	-0.789
Gm03	39159716	39159817	Gmdrm	hypo	CHG	-0.5567
Gm03	39166604	39166831	Gmdrm	hypo	CHG	-0.3986
Gm03	39172052	39172064	Gmdrm	hypo	CHG	-0.438
Gm03	39172309	39172455	Gmdrm	hypo	CHG	-0.2
Gm03	39184895	39185174	Gmdrm	hypo	CHG	-0.6177
Gm03	39185431	39185535	Gmdrm	hypo	CHG	-0.7112
Gm03	39185649	39185759	Gmdrm	hypo	CHG	-0.275
Gm03	39207572	39207866	Gmdrm	hypo	CHG	-0.039
Gm03	39221823	39221960	Gmdrm	hypo	CHG	-0.388
Gm03	39233135	39233214	Gmdrm	hypo	CHG	-0.5117
Gm03	39239377	39239649	Gmdrm	hypo	CHG	-0.74
Gm03	39239975	39240070	Gmdrm	hypo	CHG	-0.795
Gm03	39244228	39244336	Gmdrm	hypo	CHG	-0.07
Gm03	39246323	39246577	Gmdrm	hypo	CHG	-0.5756
Gm03	39253121	39253590	Gmdrm	hypo	CHG	-0.4458
Gm03	39253805	39253879	Gmdrm	hypo	CHG	-0.422
Gm03	39253993	39254310	Gmdrm	hypo	CHG	-0.2505

Gm03	39255487	39255890	Gmdrm	hypo	CHG	-0.571
Gm03	39257648	39258213	Gmdrm	hypo	CHG	-0.3204
Gm03	39258425	39259057	Gmdrm	hypo	CHG	-0.0443
Gm03	39261108	39261249	Gmdrm	hypo	CHG	-0.5583
Gm03	39261376	39261592	Gmdrm	hypo	CHG	-0.239
Gm03	39261738	39261847	Gmdrm	hypo	CHG	-0.6867
Gm03	39262049	39262328	Gmdrm	hypo	CHG	-0.5475
Gm03	39268679	39268829	Gmdrm	hypo	CHG	-0.4755
Gm03	39269975	39270269	Gmdrm	hypo	CHG	-0.4713
Gm03	39302644	39302839	Gmdrm	hypo	CHG	-0.8614
Gm03	39324670	39324844	Gmdrm	hypo	CHG	-0.56
Gm03	39327274	39327625	Gmdrm	hypo	CHG	-0.3075
Gm03	39333726	39333770	Gmdrm	hypo	CHG	-0.032
Gm03	39390207	39390394	Gmdrm	hypo	CHG	-0.04
Gm03	39400557	39400790	Gmdrm	hypo	CHG	-0.0945
Gm03	39417264	39417540	Gmdrm	hypo	CHG	-0.0416
Gm03	39420737	39421019	Gmdrm	hypo	CHG	-0.045
Gm03	39423948	39424004	Gmdrm	hypo	CHG	-0.2643
Gm03	39425292	39425532	Gmdrm	hypo	CHG	-0.0387
Gm03	39460035	39460234	Gmdrm	hypo	CHG	-0.5638
Gm03	39467133	39467381	Gmdrm	hypo	CHG	-0.045
Gm03	39469734	39470068	Gmdrm	hypo	CHG	-0.0771
Gm03	39502310	39502615	Gmdrm	hypo	CHG	-0.0333
Gm03	39504577	39505195	Gmdrm	hypo	CHG	-0.2575
Gm03	39525041	39525364	Gmdrm	hypo	CHG	-0.7309
Gm03	39541393	39541936	Gmdrm	hypo	CHG	-0.6595
Gm03	39542288	39542429	Gmdrm	hypo	CHG	-0.4071
Gm03	39566830	39567147	Gmdrm	hypo	CHG	-0.4627
Gm03	39567446	39567827	Gmdrm	hypo	CHG	-0.64
Gm03	39582977	39583132	Gmdrm	hypo	CHG	-0.5867
Gm03	39602148	39602359	Gmdrm	hypo	CHG	-0.4077
Gm03	39646390	39647381	Gmdrm	hypo	CHG	-0.1438
Gm03	39650295	39651294	Gmdrm	hypo	CHG	-0.2166
Gm03	39651356	39651863	Gmdrm	hypo	CHG	-0.2945
Gm03	39658512	39658575	Gmdrm	hypo	CHG	-0.064
Gm03	39677117	39677206	Gmdrm	hypo	CHG	-0.125
Gm03	39677380	39677556	Gmdrm	hypo	CHG	-0.7433
Gm03	39678185	39678252	Gmdrm	hypo	CHG	-0.43
Gm03	39681485	39681628	Gmdrm	hypo	CHG	-0.4414
Gm03	39716277	39716732	Gmdrm	hypo	CHG	-0.1287
Gm03	39723708	39723980	Gmdrm	hypo	CHG	-0.516
Gm03	39724150	39724501	Gmdrm	hypo	CHG	-0.5563
Gm03	39734149	39734360	Gmdrm	hypo	CHG	-0.309
Gm03	39734490	39734775	Gmdrm	hypo	CHG	-0.3262
Gm03	39734882	39735160	Gmdrm	hypo	CHG	-0.2588
Gm03	39737066	39737183	Gmdrm	hypo	CHG	-0.78

Gm03	39786852	39786898	Gmdrm	hypo	CHG	-0.624
Gm03	39794214	39794340	Gmdrm	hypo	CHG	-0.6857
Gm03	39803029	39803236	Gmdrm	hypo	CHG	-0.3123
Gm03	39836310	39836541	Gmdrm	hypo	CHG	-0.536
Gm03	39836661	39836728	Gmdrm	hypo	CHG	-0.5716
Gm03	39836900	39837360	Gmdrm	hypo	CHG	-0.0334
Gm03	39852618	39852693	Gmdrm	hypo	CHG	-0.038
Gm03	39853099	39853201	Gmdrm	hypo	CHG	-0.04
Gm03	39943970	39944201	Gmdrm	hypo	CHG	-0.4489
Gm03	39950597	39950709	Gmdrm	hypo	CHG	-0.8733
Gm03	39961843	39962431	Gmdrm	hypo	CHG	-0.196
Gm03	39963673	39963753	Gmdrm	hypo	CHG	-0.908
Gm03	39964043	39964105	Gmdrm	hypo	CHG	-0.714
Gm03	39965440	39965854	Gmdrm	hypo	CHG	-0.3043
Gm03	39972243	39972399	Gmdrm	hypo	CHG	-0.75
Gm03	39972629	39972733	Gmdrm	hypo	CHG	-0.5783
Gm03	39973632	39973907	Gmdrm	hypo	CHG	-0.7824
Gm03	40020412	40020662	Gmdrm	hypo	CHG	-0.5382
Gm03	40028230	40028475	Gmdrm	hypo	CHG	-0.2683
Gm03	40037589	40037855	Gmdrm	hypo	CHG	-0.6658
Gm03	40044968	40045637	Gmdrm	hypo	CHG	-0.8383
Gm03	40125341	40125421	Gmdrm	hypo	CHG	-0.3114
Gm03	40153006	40153110	Gmdrm	hypo	CHG	-0.636
Gm03	40155967	40156109	Gmdrm	hypo	CHG	-0.068
Gm03	40165043	40165223	Gmdrm	hypo	CHG	-0.2533
Gm03	40173091	40173229	Gmdrm	hypo	CHG	-0.2672
Gm03	40229759	40229856	Gmdrm	hypo	CHG	-0.63
Gm03	40239039	40239250	Gmdrm	hypo	CHG	-0.8555
Gm03	40239801	40240048	Gmdrm	hypo	CHG	-0.1977
Gm03	40243844	40244385	Gmdrm	hypo	CHG	-0.0334
Gm03	40252141	40252298	Gmdrm	hypo	CHG	-0.052
Gm03	40279000	40279268	Gmdrm	hypo	CHG	-0.347
Gm03	40283226	40283601	Gmdrm	hypo	CHG	-0.4823
Gm03	40290796	40290817	Gmdrm	hypo	CHG	-0.118
Gm03	40294671	40294908	Gmdrm	hypo	CHG	-0.6933
Gm03	40295031	40295299	Gmdrm	hypo	CHG	-0.8089
Gm03	40295410	40296128	Gmdrm	hypo	CHG	-0.3276
Gm03	40303725	40304111	Gmdrm	hypo	CHG	-0.0468
Gm03	40306919	40307380	Gmdrm	hypo	CHG	-0.0393
Gm03	40318305	40318526	Gmdrm	hypo	CHG	-0.6509
Gm03	40324889	40324959	Gmdrm	hypo	CHG	-0.756
Gm03	40351059	40351181	Gmdrm	hypo	CHG	-0.7616
Gm03	40354089	40354187	Gmdrm	hypo	CHG	-0.06
Gm03	40371377	40371546	Gmdrm	hypo	CHG	-0.496
Gm03	40371766	40371898	Gmdrm	hypo	CHG	-0.6934
Gm03	40378227	40378292	Gmdrm	hypo	CHG	-0.05

Gm03	40381473	40381641	Gmdrm	hypo	CHG	-0.7975
Gm03	40384042	40384073	Gmdrm	hypo	CHG	-0.476
Gm03	40394558	40395010	Gmdrm	hypo	CHG	-0.2004
Gm03	40450645	40450763	Gmdrm	hypo	CHG	-0.49
Gm03	40450868	40450919	Gmdrm	hypo	CHG	-0.7716
Gm03	40464590	40464633	Gmdrm	hypo	CHG	-0.036
Gm03	40474250	40474493	Gmdrm	hypo	CHG	-0.755
Gm03	40475333	40475479	Gmdrm	hypo	CHG	-0.4283
Gm03	40487994	40488298	Gmdrm	hypo	CHG	-0.7712
Gm03	40491094	40491218	Gmdrm	hypo	CHG	-0.7575
Gm03	40505585	40505931	Gmdrm	hypo	CHG	-0.068
Gm03	40519760	40520068	Gmdrm	hypo	CHG	-0.6858
Gm03	40520560	40520722	Gmdrm	hypo	CHG	-0.7846
Gm03	40530319	40530458	Gmdrm	hypo	CHG	-0.7488
Gm03	40574638	40574810	Gmdrm	hypo	CHG	-0.577
Gm03	40575216	40575498	Gmdrm	hypo	CHG	-0.1909
Gm03	40576191	40576527	Gmdrm	hypo	CHG	-0.4046
Gm03	40576670	40576724	Gmdrm	hypo	CHG	-0.0333
Gm03	40679218	40679498	Gmdrm	hypo	CHG	-0.7033
Gm03	40679853	40679922	Gmdrm	hypo	CHG	-0.85
Gm03	40682986	40683400	Gmdrm	hypo	CHG	-0.0391
Gm03	40694189	40694265	Gmdrm	hypo	CHG	-0.41
Gm03	40700786	40701019	Gmdrm	hypo	CHG	-0.0363
Gm03	40738998	40739085	Gmdrm	hypo	CHG	-0.074
Gm03	40739234	40739440	Gmdrm	hypo	CHG	-0.5915
Gm03	40739567	40739936	Gmdrm	hypo	CHG	-0.3492
Gm03	40740627	40740879	Gmdrm	hypo	CHG	-0.6927
Gm03	40748429	40748569	Gmdrm	hypo	CHG	-0.0917
Gm03	40772624	40772731	Gmdrm	hypo	CHG	-0.04
Gm03	40796537	40796703	Gmdrm	hypo	CHG	-0.035
Gm03	40824312	40824440	Gmdrm	hypo	CHG	-0.6283
Gm03	40843004	40843073	Gmdrm	hypo	CHG	-0.38
Gm03	40843397	40843457	Gmdrm	hypo	CHG	-0.4966
Gm03	40870033	40870187	Gmdrm	hypo	CHG	-0.7985
Gm03	40870615	40870636	Gmdrm	hypo	CHG	-0.7633
Gm03	40885129	40885683	Gmdrm	hypo	CHG	-0.4123
Gm03	40885802	40886324	Gmdrm	hypo	CHG	-0.1906
Gm03	40891549	40891839	Gmdrm	hypo	CHG	-0.2794
Gm03	40903281	40903514	Gmdrm	hypo	CHG	-0.1222
Gm03	40911551	40911640	Gmdrm	hypo	CHG	-0.5428
Gm03	40928628	40928945	Gmdrm	hypo	CHG	-0.0863
Gm03	40942384	40942436	Gmdrm	hypo	CHG	-0.0417
Gm03	40951396	40951598	Gmdrm	hypo	CHG	-0.4767
Gm03	40952320	40952489	Gmdrm	hypo	CHG	-0.6537
Gm03	40966438	40966526	Gmdrm	hypo	CHG	-0.4583
Gm03	40980848	40980973	Gmdrm	hypo	CHG	-0.4683

Gm03	41002620	41002718 Gmdrm	hypo	CHG	-0.395
Gm03	41002903	41002997 Gmdrm	hypo	CHG	-0.2383
Gm03	41017304	41017477 Gmdrm	hypo	CHG	-0.3713
Gm03	41024856	41024881 Gmdrm	hypo	CHG	-0.708
Gm03	41032352	41032908 Gmdrm	hypo	CHG	-0.5395
Gm03	41046726	41046878 Gmdrm	hypo	CHG	-0.8272
Gm03	41055507	41055836 Gmdrm	hypo	CHG	-0.5793
Gm03	41055951	41056048 Gmdrm	hypo	CHG	-0.9657
Gm03	41056151	41056724 Gmdrm	hypo	CHG	-0.8613
Gm03	41056827	41057067 Gmdrm	hypo	CHG	-0.334
Gm03	41067896	41068198 Gmdrm	hypo	CHG	-0.047
Gm03	41104436	41104688 Gmdrm	hypo	CHG	-0.0746
Gm03	41126714	41126952 Gmdrm	hypo	CHG	-0.0666
Gm03	41159294	41159313 Gmdrm	hypo	CHG	-0.3717
Gm03	41162425	41162605 Gmdrm	hypo	CHG	-0.1112
Gm03	41193666	41193866 Gmdrm	hypo	CHG	-0.5987
Gm03	41194190	41194489 Gmdrm	hypo	CHG	-0.537
Gm03	41194601	41194737 Gmdrm	hypo	CHG	-0.6928
Gm03	41236570	41236990 Gmdrm	hypo	CHG	-0.47
Gm03	41248638	41248784 Gmdrm	hypo	CHG	-0.062
Gm03	41283235	41283368 Gmdrm	hypo	CHG	-0.8
Gm03	41319446	41319798 Gmdrm	hypo	CHG	-0.0442
Gm03	41323736	41324106 Gmdrm	hypo	CHG	-0.0489
Gm03	41345841	41346064 Gmdrm	hypo	CHG	-0.827
Gm03	41347559	41347744 Gmdrm	hypo	CHG	-0.3537
Gm03	41347845	41348316 Gmdrm	hypo	CHG	-0.0471
Gm03	41359738	41359929 Gmdrm	hypo	CHG	-0.8837
Gm03	41372561	41372802 Gmdrm	hypo	CHG	-0.7886
Gm03	41385437	41385493 Gmdrm	hypo	CHG	-0.4417
Gm03	41387169	41387238 Gmdrm	hypo	CHG	-0.454
Gm03	41387343	41387471 Gmdrm	hypo	CHG	-0.2433
Gm03	41387738	41387851 Gmdrm	hypo	CHG	-0.37
Gm03	41405842	41406098 Gmdrm	hypo	CHG	-0.05
Gm03	41438762	41438942 Gmdrm	hypo	CHG	-0.655
Gm03	41457585	41457852 Gmdrm	hypo	CHG	-0.034
Gm03	41481751	41481852 Gmdrm	hypo	CHG	-0.0317
Gm03	41484340	41484449 Gmdrm	hypo	CHG	-0.7188
Gm03	41484692	41484820 Gmdrm	hypo	CHG	-0.775
Gm03	41503753	41503959 Gmdrm	hypo	CHG	-0.0793
Gm03	41507997	41508327 Gmdrm	hypo	CHG	-0.7456
Gm03	41508762	41508950 Gmdrm	hypo	CHG	-0.0333
Gm03	41514507	41514580 Gmdrm	hypo	CHG	-0.0467
Gm03	41516455	41516527 Gmdrm	hypo	CHG	-0.8971
Gm03	41534959	41535325 Gmdrm	hypo	CHG	-0.4773
Gm03	41537436	41537630 Gmdrm	hypo	CHG	-0.0299
Gm03	41567187	41567372 Gmdrm	hypo	CHG	-0.6128

Gm03	41574834	41574888	Gmdrm	hypo	CHG	-0.4384
Gm03	41579552	41579830	Gmdrm	hypo	CHG	-0.4962
Gm03	41599344	41599589	Gmdrm	hypo	CHG	-0.0571
Gm03	41605935	41606074	Gmdrm	hypo	CHG	-0.1301
Gm03	41606898	41606983	Gmdrm	hypo	CHG	-0.7088
Gm03	41613739	41613848	Gmdrm	hypo	CHG	-0.4271
Gm03	41619698	41619756	Gmdrm	hypo	CHG	-0.054
Gm03	41638200	41638325	Gmdrm	hypo	CHG	-0.278
Gm03	41653260	41653286	Gmdrm	hypo	CHG	-0.8867
Gm03	41677655	41677798	Gmdrm	hypo	CHG	-0.5973
Gm03	41679766	41680585	Gmdrm	hypo	CHG	-0.1776
Gm03	41695595	41695735	Gmdrm	hypo	CHG	-0.7686
Gm03	41706171	41706457	Gmdrm	hypo	CHG	-0.4059
Gm03	41709932	41710067	Gmdrm	hypo	CHG	-0.038
Gm03	41735325	41735525	Gmdrm	hypo	CHG	-0.15
Gm03	41737033	41737265	Gmdrm	hypo	CHG	-0.7033
Gm03	41764479	41764705	Gmdrm	hypo	CHG	-0.042
Gm03	41768775	41768897	Gmdrm	hypo	CHG	-0.038
Gm03	41772726	41772972	Gmdrm	hypo	CHG	-0.034
Gm03	41787774	41787935	Gmdrm	hypo	CHG	-0.539
Gm03	41788199	41788335	Gmdrm	hypo	CHG	-0.6612
Gm03	41796851	41797114	Gmdrm	hypo	CHG	-0.0444
Gm03	41813311	41813358	Gmdrm	hypo	CHG	-0.05
Gm03	41818810	41818843	Gmdrm	hypo	CHG	-0.034
Gm03	41834468	41834881	Gmdrm	hypo	CHG	-0.3724
Gm03	41835044	41835154	Gmdrm	hypo	CHG	-0.042
Gm03	41841249	41841542	Gmdrm	hypo	CHG	-0.028
Gm03	41845527	41845581	Gmdrm	hypo	CHG	-0.6388
Gm03	41882653	41882917	Gmdrm	hypo	CHG	-0.2027
Gm03	41895663	41896178	Gmdrm	hypo	CHG	-0.1931
Gm03	41896292	41896634	Gmdrm	hypo	CHG	-0.3071
Gm03	41915138	41915771	Gmdrm	hypo	CHG	-0.2009
Gm03	41926220	41926491	Gmdrm	hypo	CHG	-0.1453
Gm03	41935488	41935584	Gmdrm	hypo	CHG	-0.7017
Gm03	41935879	41936040	Gmdrm	hypo	CHG	-0.708
Gm03	41950870	41950967	Gmdrm	hypo	CHG	-0.045
Gm03	41952642	41953028	Gmdrm	hypo	CHG	-0.0389
Gm03	41958077	41958577	Gmdrm	hypo	CHG	-0.5952
Gm03	41965439	41965671	Gmdrm	hypo	CHG	-0.06
Gm03	41972844	41972919	Gmdrm	hypo	CHG	-0.766
Gm03	42008936	42009242	Gmdrm	hypo	CHG	-0.2225
Gm03	42013849	42014043	Gmdrm	hypo	CHG	-0.63
Gm03	42015233	42015514	Gmdrm	hypo	CHG	-0.3254
Gm03	42018842	42019413	Gmdrm	hypo	CHG	-0.3996
Gm03	42034153	42034424	Gmdrm	hypo	CHG	-0.78
Gm03	42073984	42074295	Gmdrm	hypo	CHG	-0.5379

Gm03	42074399	42074476	Gmdrm	hypo	CHG	-0.54
Gm03	42082493	42082686	Gmdrm	hypo	CHG	-0.0233
Gm03	42096367	42096603	Gmdrm	hypo	CHG	-0.8707
Gm03	42102584	42102906	Gmdrm	hypo	CHG	-0.7463
Gm03	42103073	42103295	Gmdrm	hypo	CHG	-0.7715
Gm03	42103574	42103801	Gmdrm	hypo	CHG	-0.8661
Gm03	42105360	42105550	Gmdrm	hypo	CHG	-0.045
Gm03	42121253	42121339	Gmdrm	hypo	CHG	-0.324
Gm03	42122003	42122288	Gmdrm	hypo	CHG	-0.0789
Gm03	42122398	42122703	Gmdrm	hypo	CHG	-0.8313
Gm03	42122856	42123351	Gmdrm	hypo	CHG	-0.9417
Gm03	42133439	42133610	Gmdrm	hypo	CHG	-0.524
Gm03	42133991	42134103	Gmdrm	hypo	CHG	-0.635
Gm03	42135331	42135478	Gmdrm	hypo	CHG	-0.6788
Gm03	42167339	42167555	Gmdrm	hypo	CHG	-0.708
Gm03	42168867	42169005	Gmdrm	hypo	CHG	-0.7071
Gm03	42173525	42173679	Gmdrm	hypo	CHG	-0.7945
Gm03	42232908	42233043	Gmdrm	hypo	CHG	-0.405
Gm03	42238797	42238839	Gmdrm	hypo	CHG	-0.9012
Gm03	42255396	42255836	Gmdrm	hypo	CHG	-0.03
Gm03	42290994	42291319	Gmdrm	hypo	CHG	-0.2941
Gm03	42296526	42296722	Gmdrm	hypo	CHG	-0.044
Gm03	42303013	42303289	Gmdrm	hypo	CHG	-0.8253
Gm03	42303869	42303970	Gmdrm	hypo	CHG	-0.6271
Gm03	42308936	42309170	Gmdrm	hypo	CHG	-0.8633
Gm03	42309873	42309990	Gmdrm	hypo	CHG	-0.465
Gm03	42320624	42320827	Gmdrm	hypo	CHG	-0.4375
Gm03	42323714	42324420	Gmdrm	hypo	CHG	-0.1218
Gm03	42326355	42326414	Gmdrm	hypo	CHG	-0.885
Gm03	42327609	42327720	Gmdrm	hypo	CHG	-0.05
Gm03	42365981	42366423	Gmdrm	hypo	CHG	-0.6453
Gm03	42377466	42377771	Gmdrm	hypo	CHG	-0.7908
Gm03	42377912	42377940	Gmdrm	hypo	CHG	-0.9183
Gm03	42386055	42386132	Gmdrm	hypo	CHG	-0.6234
Gm03	42387074	42387215	Gmdrm	hypo	CHG	-0.7763
Gm03	42408620	42408788	Gmdrm	hypo	CHG	-0.1333
Gm03	42415689	42416433	Gmdrm	hypo	CHG	-0.4952
Gm03	42434548	42434796	Gmdrm	hypo	CHG	-0.5224
Gm03	42437779	42437892	Gmdrm	hypo	CHG	-0.575
Gm03	42466426	42466594	Gmdrm	hypo	CHG	-0.4611
Gm03	42478664	42478964	Gmdrm	hypo	CHG	-0.082
Gm03	42479901	42479996	Gmdrm	hypo	CHG	-0.0783
Gm03	42480477	42480862	Gmdrm	hypo	CHG	-0.07
Gm03	42508599	42508669	Gmdrm	hypo	CHG	-0.0488
Gm03	42528460	42528558	Gmdrm	hypo	CHG	-0.5714
Gm03	42530252	42530449	Gmdrm	hypo	CHG	-0.7845

Gm03	42541237	42541664	Gmdrm	hypo	CHG	-0.6016
Gm03	42556985	42557108	Gmdrm	hypo	CHG	-0.032
Gm03	42578957	42579041	Gmdrm	hypo	CHG	-0.6414
Gm03	42579214	42579374	Gmdrm	hypo	CHG	-0.6338
Gm03	42597869	42598008	Gmdrm	hypo	CHG	-0.8811
Gm03	42613463	42613693	Gmdrm	hypo	CHG	-0.048
Gm03	42629300	42629601	Gmdrm	hypo	CHG	-0.5614
Gm03	42639028	42639247	Gmdrm	hypo	CHG	-0.7692
Gm03	42640174	42640270	Gmdrm	hypo	CHG	-0.2733
Gm03	42640405	42640449	Gmdrm	hypo	CHG	-0.46
Gm03	42641185	42641246	Gmdrm	hypo	CHG	-0.9016
Gm03	42642042	42642232	Gmdrm	hypo	CHG	-0.041
Gm03	42646908	42647395	Gmdrm	hypo	CHG	-0.04
Gm03	42653285	42653437	Gmdrm	hypo	CHG	-0.5192
Gm03	42653758	42654244	Gmdrm	hypo	CHG	-0.5346
Gm03	42668075	42668312	Gmdrm	hypo	CHG	-0.0443
Gm03	42676447	42676570	Gmdrm	hypo	CHG	-0.9186
Gm03	42677447	42677616	Gmdrm	hypo	CHG	-0.5362
Gm03	42682439	42683256	Gmdrm	hypo	CHG	-0.5966
Gm03	42683377	42683508	Gmdrm	hypo	CHG	-0.5616
Gm03	42683661	42683725	Gmdrm	hypo	CHG	-0.082
Gm03	42716774	42717163	Gmdrm	hypo	CHG	-0.0423
Gm03	42730381	42730684	Gmdrm	hypo	CHG	-0.7471
Gm03	42732279	42732490	Gmdrm	hypo	CHG	-0.044
Gm03	42733608	42733909	Gmdrm	hypo	CHG	-0.0389
Gm03	42739386	42739477	Gmdrm	hypo	CHG	-0.486
Gm03	42740785	42740825	Gmdrm	hypo	CHG	-0.655
Gm03	42761315	42761371	Gmdrm	hypo	CHG	-0.66
Gm03	42814772	42815413	Gmdrm	hypo	CHG	-0.025
Gm03	42826494	42826783	Gmdrm	hypo	CHG	-0.6394
Gm03	42827011	42827120	Gmdrm	hypo	CHG	-0.2163
Gm03	42827661	42828020	Gmdrm	hypo	CHG	-0.5571
Gm03	42828726	42828795	Gmdrm	hypo	CHG	-0.1886
Gm03	42862384	42862563	Gmdrm	hypo	CHG	-0.042
Gm03	42876481	42876541	Gmdrm	hypo	CHG	-0.058
Gm03	42909324	42909852	Gmdrm	hypo	CHG	-0.0681
Gm03	42926833	42927130	Gmdrm	hypo	CHG	-0.5634
Gm03	42930536	42931212	Gmdrm	hypo	CHG	-0.543
Gm03	42954861	42955134	Gmdrm	hypo	CHG	-0.686
Gm03	42955430	42955535	Gmdrm	hypo	CHG	-0.346
Gm03	42955726	42956039	Gmdrm	hypo	CHG	-0.454
Gm03	42956191	42956372	Gmdrm	hypo	CHG	-0.4755
Gm03	42956489	42956540	Gmdrm	hypo	CHG	-0.605
Gm03	42956663	42956963	Gmdrm	hypo	CHG	-0.6507
Gm03	42957518	42958214	Gmdrm	hypo	CHG	-0.2435
Gm03	42971668	42972196	Gmdrm	hypo	CHG	-0.7186

Gm03	42972346	42972476	Gmdrm	hypo	CHG	-0.6971
Gm03	42978468	42978528	Gmdrm	hypo	CHG	-0.664
Gm03	42978690	42978800	Gmdrm	hypo	CHG	-0.7766
Gm03	42979358	42979531	Gmdrm	hypo	CHG	-0.5579
Gm03	42979682	42980149	Gmdrm	hypo	CHG	-0.4269
Gm03	42980258	42980436	Gmdrm	hypo	CHG	-0.7289
Gm03	43018622	43018764	Gmdrm	hypo	CHG	-0.064
Gm03	43052021	43052080	Gmdrm	hypo	CHG	-0.6516
Gm03	43054017	43054295	Gmdrm	hypo	CHG	-0.8365
Gm03	43072036	43072292	Gmdrm	hypo	CHG	-0.03
Gm03	43072857	43072909	Gmdrm	hypo	CHG	-0.124
Gm03	43073069	43073258	Gmdrm	hypo	CHG	-0.5578
Gm03	43084246	43084394	Gmdrm	hypo	CHG	-0.0383
Gm03	43089410	43089529	Gmdrm	hypo	CHG	-0.5967
Gm03	43094677	43095031	Gmdrm	hypo	CHG	-0.3033
Gm03	43095292	43095494	Gmdrm	hypo	CHG	-0.67
Gm03	43116444	43116613	Gmdrm	hypo	CHG	-0.07
Gm03	43117178	43117364	Gmdrm	hypo	CHG	-0.635
Gm03	43117926	43118181	Gmdrm	hypo	CHG	-0.5382
Gm03	43120061	43120154	Gmdrm	hypo	CHG	-0.4833
Gm03	43120280	43120428	Gmdrm	hypo	CHG	-0.2972
Gm03	43139900	43140241	Gmdrm	hypo	CHG	-0.6653
Gm03	43164728	43164904	Gmdrm	hypo	CHG	-0.058
Gm03	43165045	43165235	Gmdrm	hypo	CHG	-0.0333
Gm03	43171633	43171653	Gmdrm	hypo	CHG	-0.852
Gm03	43187151	43187313	Gmdrm	hypo	CHG	-0.0283
Gm03	43197728	43197761	Gmdrm	hypo	CHG	-0.055
Gm03	43209742	43209870	Gmdrm	hypo	CHG	-0.214
Gm03	43214090	43214223	Gmdrm	hypo	CHG	-0.719
Gm03	43214576	43214644	Gmdrm	hypo	CHG	-0.86
Gm03	43239624	43239865	Gmdrm	hypo	CHG	-0.03
Gm03	43287936	43288171	Gmdrm	hypo	CHG	-0.0587
Gm03	43312825	43313562	Gmdrm	hypo	CHG	-0.2409
Gm03	43327106	43327260	Gmdrm	hypo	CHG	-0.0913
Gm03	43383101	43383159	Gmdrm	hypo	CHG	-0.7275
Gm03	43396112	43396291	Gmdrm	hypo	CHG	-0.0763
Gm03	43419865	43420237	Gmdrm	hypo	CHG	-0.4689
Gm03	43435742	43435962	Gmdrm	hypo	CHG	-0.4922
Gm03	43475215	43475303	Gmdrm	hypo	CHG	-0.7116
Gm03	43477254	43477623	Gmdrm	hypo	CHG	-0.4946
Gm03	43478069	43478153	Gmdrm	hypo	CHG	-0.6575
Gm03	43481645	43481837	Gmdrm	hypo	CHG	-0.2467
Gm03	43484596	43484835	Gmdrm	hypo	CHG	-0.6628
Gm03	43527778	43528267	Gmdrm	hypo	CHG	-0.0469
Gm03	43552743	43552893	Gmdrm	hypo	CHG	-0.6034
Gm03	43584043	43584177	Gmdrm	hypo	CHG	-0.4983

Gm03	43586853	43587267	Gmdrm	hypo	CHG	-0.1693
Gm03	43588252	43588432	Gmdrm	hypo	CHG	-0.0456
Gm03	43652221	43652314	Gmdrm	hypo	CHG	-0.8537
Gm03	43652623	43652827	Gmdrm	hypo	CHG	-0.9238
Gm03	43653212	43653313	Gmdrm	hypo	CHG	-0.4711
Gm03	43665330	43665537	Gmdrm	hypo	CHG	-0.7521
Gm03	43679591	43679681	Gmdrm	hypo	CHG	-0.435
Gm03	43701049	43701270	Gmdrm	hypo	CHG	-0.622
Gm03	43701562	43701665	Gmdrm	hypo	CHG	-0.7384
Gm03	43701973	43702200	Gmdrm	hypo	CHG	-0.45
Gm03	43703534	43703860	Gmdrm	hypo	CHG	-0.0237
Gm03	43731318	43731411	Gmdrm	hypo	CHG	-0.5943
Gm03	43739011	43739181	Gmdrm	hypo	CHG	-0.26
Gm03	43739559	43739794	Gmdrm	hypo	CHG	-0.218
Gm03	43750006	43750207	Gmdrm	hypo	CHG	-0.0438
Gm03	43759319	43759449	Gmdrm	hypo	CHG	-0.132
Gm03	43765061	43765280	Gmdrm	hypo	CHG	-0.0429
Gm03	43771438	43771595	Gmdrm	hypo	CHG	-0.8544
Gm03	43774201	43774446	Gmdrm	hypo	CHG	-0.0383
Gm03	43779712	43779802	Gmdrm	hypo	CHG	-0.5838
Gm03	43780060	43780444	Gmdrm	hypo	CHG	-0.438
Gm03	43794663	43795007	Gmdrm	hypo	CHG	-0.8156
Gm03	43795174	43795603	Gmdrm	hypo	CHG	-0.104
Gm03	43809286	43809394	Gmdrm	hypo	CHG	-0.41
Gm03	43809721	43810050	Gmdrm	hypo	CHG	-0.4165
Gm03	43816729	43816840	Gmdrm	hypo	CHG	-0.0333
Gm03	43823949	43824067	Gmdrm	hypo	CHG	-0.154
Gm03	43829692	43830193	Gmdrm	hypo	CHG	-0.25
Gm03	43830839	43831044	Gmdrm	hypo	CHG	-0.3063
Gm03	43831263	43831534	Gmdrm	hypo	CHG	-0.4112
Gm03	43831954	43832070	Gmdrm	hypo	CHG	-0.27
Gm03	43833325	43833599	Gmdrm	hypo	CHG	-0.2745
Gm03	43833869	43834141	Gmdrm	hypo	CHG	-0.2882
Gm03	43834291	43834386	Gmdrm	hypo	CHG	-0.312
Gm03	43849418	43849614	Gmdrm	hypo	CHG	-0.04
Gm03	43856889	43857263	Gmdrm	hypo	CHG	-0.7422
Gm03	43863196	43863304	Gmdrm	hypo	CHG	-0.0875
Gm03	43878977	43879283	Gmdrm	hypo	CHG	-0.2744
Gm03	43902433	43902630	Gmdrm	hypo	CHG	-0.045
Gm03	43903654	43903802	Gmdrm	hypo	CHG	-0.6667
Gm03	43939245	43939382	Gmdrm	hypo	CHG	-0.7078
Gm03	43940689	43940809	Gmdrm	hypo	CHG	-0.052
Gm03	43941574	43942152	Gmdrm	hypo	CHG	-0.6588
Gm03	43960738	43960982	Gmdrm	hypo	CHG	-0.5733
Gm03	43994822	43994933	Gmdrm	hypo	CHG	-0.3583
Gm03	44007428	44007636	Gmdrm	hypo	CHG	-0.0692

Gm03	44020574	44020744	Gmdrm	hypo	CHG	-0.8734
Gm03	44020847	44020957	Gmdrm	hypo	CHG	-0.77
Gm03	44021117	44021181	Gmdrm	hypo	CHG	-0.43
Gm03	44021813	44021878	Gmdrm	hypo	CHG	-0.842
Gm03	44038705	44039121	Gmdrm	hypo	CHG	-0.0347
Gm03	44044739	44044883	Gmdrm	hypo	CHG	-0.382
Gm03	44045219	44045489	Gmdrm	hypo	CHG	-0.7581
Gm03	44045867	44045941	Gmdrm	hypo	CHG	-0.32
Gm03	44055363	44055399	Gmdrm	hypo	CHG	-0.93
Gm03	44065292	44065435	Gmdrm	hypo	CHG	-0.0283
Gm03	44074805	44075003	Gmdrm	hypo	CHG	-0.045
Gm03	44088874	44089565	Gmdrm	hypo	CHG	-0.5585
Gm03	44132195	44132637	Gmdrm	hypo	CHG	-0.3721
Gm03	44138607	44138770	Gmdrm	hypo	CHG	-0.4576
Gm03	44148495	44148514	Gmdrm	hypo	CHG	-0.3983
Gm03	44149404	44149478	Gmdrm	hypo	CHG	-0.1529
Gm03	44158478	44158866	Gmdrm	hypo	CHG	-0.5018
Gm03	44175649	44175776	Gmdrm	hypo	CHG	-0.036
Gm03	44196023	44196198	Gmdrm	hypo	CHG	-0.055
Gm03	44208874	44209282	Gmdrm	hypo	CHG	-0.7508
Gm03	44210262	44210389	Gmdrm	hypo	CHG	-0.6744
Gm03	44210520	44210681	Gmdrm	hypo	CHG	-0.765
Gm03	44247062	44247237	Gmdrm	hypo	CHG	-0.5234
Gm03	44249569	44249703	Gmdrm	hypo	CHG	-0.4186
Gm03	44249819	44249891	Gmdrm	hypo	CHG	-0.475
Gm03	44263104	44263528	Gmdrm	hypo	CHG	-0.6381
Gm03	44272456	44272621	Gmdrm	hypo	CHG	-0.75
Gm03	44272946	44273203	Gmdrm	hypo	CHG	-0.646
Gm03	44277553	44277691	Gmdrm	hypo	CHG	-0.078
Gm03	44290510	44290818	Gmdrm	hypo	CHG	-0.5
Gm03	44322322	44322354	Gmdrm	hypo	CHG	-0.975
Gm03	44332175	44332429	Gmdrm	hypo	CHG	-0.8085
Gm03	44334745	44334852	Gmdrm	hypo	CHG	-0.752
Gm03	44347165	44347246	Gmdrm	hypo	CHG	-0.1583
Gm03	44348682	44349048	Gmdrm	hypo	CHG	-0.5085
Gm03	44357855	44358425	Gmdrm	hypo	CHG	-0.6252
Gm03	44378345	44378352	Gmdrm	hypo	CHG	-0.09
Gm03	44411286	44411580	Gmdrm	hypo	CHG	-0.83
Gm03	44476867	44476967	Gmdrm	hypo	CHG	-0.2937
Gm03	44490470	44490550	Gmdrm	hypo	CHG	-0.552
Gm03	44490758	44491164	Gmdrm	hypo	CHG	-0.3473
Gm03	44491875	44492019	Gmdrm	hypo	CHG	-0.5415
Gm03	44492599	44492642	Gmdrm	hypo	CHG	-0.736
Gm03	44513702	44513979	Gmdrm	hypo	CHG	-0.685
Gm03	44515948	44516260	Gmdrm	hypo	CHG	-0.7611
Gm03	44516473	44516614	Gmdrm	hypo	CHG	-0.3137

Gm03	44524863	44525138	Gmdrm	hypo	CHG	-0.8584
Gm03	44525369	44525498	Gmdrm	hypo	CHG	-0.507
Gm03	44555497	44555781	Gmdrm	hypo	CHG	-0.0686
Gm03	44569443	44569777	Gmdrm	hypo	CHG	-0.33
Gm03	44588897	44589084	Gmdrm	hypo	CHG	-0.0433
Gm03	44593247	44593628	Gmdrm	hypo	CHG	-0.7358
Gm03	44594533	44594928	Gmdrm	hypo	CHG	-0.3337
Gm03	44615164	44615242	Gmdrm	hypo	CHG	-0.056
Gm03	44660538	44660853	Gmdrm	hypo	CHG	-0.4226
Gm03	44662788	44663133	Gmdrm	hypo	CHG	-0.7994
Gm03	44686106	44686273	Gmdrm	hypo	CHG	-0.06
Gm03	44706812	44706911	Gmdrm	hypo	CHG	-0.6471
Gm03	44726340	44726367	Gmdrm	hypo	CHG	-0.142
Gm03	44737602	44737928	Gmdrm	hypo	CHG	-0.0467
Gm03	44752985	44753334	Gmdrm	hypo	CHG	-0.2938
Gm03	44755024	44755351	Gmdrm	hypo	CHG	-0.0506
Gm03	44788534	44788686	Gmdrm	hypo	CHG	-0.0314
Gm03	44808146	44808321	Gmdrm	hypo	CHG	-0.3378
Gm03	44828412	44828583	Gmdrm	hypo	CHG	-0.236
Gm03	44828998	44829352	Gmdrm	hypo	CHG	-0.3791
Gm03	44832653	44833022	Gmdrm	hypo	CHG	-0.3967
Gm03	44848463	44848571	Gmdrm	hypo	CHG	-0.544
Gm03	44870307	44870486	Gmdrm	hypo	CHG	-0.0533
Gm03	44878551	44878647	Gmdrm	hypo	CHG	-0.0386
Gm03	44899687	44899762	Gmdrm	hypo	CHG	-0.7357
Gm03	44939883	44940325	Gmdrm	hypo	CHG	-0.0347
Gm03	44954341	44954646	Gmdrm	hypo	CHG	-0.462
Gm03	44954905	44955101	Gmdrm	hypo	CHG	-0.298
Gm03	45025812	45025941	Gmdrm	hypo	CHG	-0.682
Gm03	45049107	45049742	Gmdrm	hypo	CHG	-0.4261
Gm03	45050759	45051009	Gmdrm	hypo	CHG	-0.2615
Gm03	45051187	45051363	Gmdrm	hypo	CHG	-0.5926
Gm03	45057664	45058068	Gmdrm	hypo	CHG	-0.0425
Gm03	45061426	45061564	Gmdrm	hypo	CHG	-0.042
Gm03	45069471	45069662	Gmdrm	hypo	CHG	-0.8467
Gm03	45069770	45069880	Gmdrm	hypo	CHG	-0.2333
Gm03	45072816	45073374	Gmdrm	hypo	CHG	-0.6046
Gm03	45090037	45090301	Gmdrm	hypo	CHG	-0.0482
Gm03	45090881	45091119	Gmdrm	hypo	CHG	-0.0543
Gm03	45129375	45129604	Gmdrm	hypo	CHG	-0.056
Gm03	45200131	45200226	Gmdrm	hypo	CHG	-0.38
Gm03	45203020	45203472	Gmdrm	hypo	CHG	-0.0606
Gm03	45210971	45211210	Gmdrm	hypo	CHG	-0.2263
Gm03	45214565	45214662	Gmdrm	hypo	CHG	-0.446
Gm03	45216146	45216493	Gmdrm	hypo	CHG	-0.0418
Gm03	45226225	45226358	Gmdrm	hypo	CHG	-0.0586

Gm03	45233490	45233706	Gmdrm	hypo	CHG	-0.525
Gm03	45235993	45236302	Gmdrm	hypo	CHG	-0.0644
Gm03	45266869	45267175	Gmdrm	hypo	CHG	-0.0695
Gm03	45273813	45274107	Gmdrm	hypo	CHG	-0.0675
Gm03	45289627	45289945	Gmdrm	hypo	CHG	-0.0457
Gm03	45305087	45305374	Gmdrm	hypo	CHG	-0.288
Gm03	45330086	45330823	Gmdrm	hypo	CHG	-0.5711
Gm03	45334038	45334230	Gmdrm	hypo	CHG	-0.8176
Gm03	45355115	45355243	Gmdrm	hypo	CHG	-0.03
Gm03	45356611	45356705	Gmdrm	hypo	CHG	-0.7382
Gm03	45384604	45385132	Gmdrm	hypo	CHG	-0.5185
Gm03	45385397	45385585	Gmdrm	hypo	CHG	-0.4162
Gm03	45385908	45386051	Gmdrm	hypo	CHG	-0.3783
Gm03	45386212	45386341	Gmdrm	hypo	CHG	-0.6834
Gm03	45386704	45386775	Gmdrm	hypo	CHG	-0.798
Gm03	45401533	45401816	Gmdrm	hypo	CHG	-0.0683
Gm03	45404174	45404429	Gmdrm	hypo	CHG	-0.6825
Gm03	45404703	45404876	Gmdrm	hypo	CHG	-0.795
Gm03	45407613	45407722	Gmdrm	hypo	CHG	-0.058
Gm03	45422013	45422313	Gmdrm	hypo	CHG	-0.072
Gm03	45435813	45436031	Gmdrm	hypo	CHG	-0.0225
Gm03	45437223	45437323	Gmdrm	hypo	CHG	-0.05
Gm03	45447790	45448068	Gmdrm	hypo	CHG	-0.3939
Gm03	45453250	45453419	Gmdrm	hypo	CHG	-0.1489
Gm03	45470401	45470751	Gmdrm	hypo	CHG	-0.72
Gm03	45475512	45475683	Gmdrm	hypo	CHG	-0.0871
Gm03	45481029	45481772	Gmdrm	hypo	CHG	-0.0279
Gm03	45508708	45508813	Gmdrm	hypo	CHG	-0.47
Gm03	45514563	45514898	Gmdrm	hypo	CHG	-0.2738
Gm03	45515150	45515311	Gmdrm	hypo	CHG	-0.2792
Gm03	45515530	45515732	Gmdrm	hypo	CHG	-0.3228
Gm03	45516308	45516362	Gmdrm	hypo	CHG	-0.062
Gm03	45526087	45526312	Gmdrm	hypo	CHG	-0.038
Gm03	45561955	45562007	Gmdrm	hypo	CHG	-0.476
Gm03	45562522	45562700	Gmdrm	hypo	CHG	-0.636
Gm03	45601808	45602018	Gmdrm	hypo	CHG	-0.0517
Gm03	45604813	45605157	Gmdrm	hypo	CHG	-0.5994
Gm03	45605383	45605638	Gmdrm	hypo	CHG	-0.4658
Gm03	45606934	45607287	Gmdrm	hypo	CHG	-0.1428
Gm03	45613710	45614043	Gmdrm	hypo	CHG	-0.8122
Gm03	45614424	45614478	Gmdrm	hypo	CHG	-0.788
Gm03	45634873	45635001	Gmdrm	hypo	CHG	-0.704
Gm03	45648793	45649010	Gmdrm	hypo	CHG	-0.0683
Gm03	45664151	45664238	Gmdrm	hypo	CHG	-0.1654
Gm03	45675600	45675678	Gmdrm	hypo	CHG	-0.8433
Gm03	45676290	45676532	Gmdrm	hypo	CHG	-0.8108

Gm03	45676812	45676983	Gmdrm	hypo	CHG	-0.656
Gm03	45709696	45709829	Gmdrm	hypo	CHG	-0.0286
Gm03	45745231	45745352	Gmdrm	hypo	CHG	-0.1
Gm03	45758194	45758290	Gmdrm	hypo	CHG	-0.6467
Gm03	45758763	45758881	Gmdrm	hypo	CHG	-0.144
Gm03	45773134	45773246	Gmdrm	hypo	CHG	-0.092
Gm03	45796162	45796340	Gmdrm	hypo	CHG	-0.49
Gm03	45816625	45816923	Gmdrm	hypo	CHG	-0.0325
Gm03	45822199	45822289	Gmdrm	hypo	CHG	-0.642
Gm03	45822778	45823079	Gmdrm	hypo	CHG	-0.3212
Gm03	45842972	45843176	Gmdrm	hypo	CHG	-0.623
Gm03	45843373	45843471	Gmdrm	hypo	CHG	-0.206
Gm03	45844640	45844741	Gmdrm	hypo	CHG	-0.1657
Gm03	45844908	45845093	Gmdrm	hypo	CHG	-0.3481
Gm03	45862519	45862825	Gmdrm	hypo	CHG	-0.1022
Gm03	45870893	45871014	Gmdrm	hypo	CHG	-0.6562
Gm03	45871159	45871242	Gmdrm	hypo	CHG	-0.0814
Gm03	45871967	45872110	Gmdrm	hypo	CHG	-0.04
Gm03	45879033	45879070	Gmdrm	hypo	CHG	-0.644
Gm03	45886669	45886889	Gmdrm	hypo	CHG	-0.0712
Gm03	45913738	45913918	Gmdrm	hypo	CHG	-0.7361
Gm03	45942549	45942705	Gmdrm	hypo	CHG	-0.0533
Gm03	45969271	45969310	Gmdrm	hypo	CHG	-0.0625
Gm03	45973581	45973814	Gmdrm	hypo	CHG	-0.0517
Gm03	45983332	45983597	Gmdrm	hypo	CHG	-0.583
Gm03	45983954	45984069	Gmdrm	hypo	CHG	-0.7829
Gm03	45989597	45989724	Gmdrm	hypo	CHG	-0.484
Gm03	45990914	45990961	Gmdrm	hypo	CHG	-0.7566
Gm03	45998573	45998906	Gmdrm	hypo	CHG	-0.4339
Gm03	46001141	46001441	Gmdrm	hypo	CHG	-0.152
Gm03	46006707	46006783	Gmdrm	hypo	CHG	-0.25
Gm03	46056398	46056642	Gmdrm	hypo	CHG	-0.1433
Gm03	46113304	46113943	Gmdrm	hypo	CHG	-0.1291
Gm03	46148054	46148266	Gmdrm	hypo	CHG	-0.08
Gm03	46150773	46150886	Gmdrm	hypo	CHG	-0.515
Gm03	46194788	46194951	Gmdrm	hypo	CHG	-0.8033
Gm03	46195217	46195356	Gmdrm	hypo	CHG	-0.8288
Gm03	46215029	46215184	Gmdrm	hypo	CHG	-0.4
Gm03	46217857	46218060	Gmdrm	hypo	CHG	-0.3072
Gm03	46223824	46223885	Gmdrm	hypo	CHG	-0.846
Gm03	46239615	46239831	Gmdrm	hypo	CHG	-0.635
Gm03	46246380	46246567	Gmdrm	hypo	CHG	-0.0571
Gm03	46254992	46255337	Gmdrm	hypo	CHG	-0.2555
Gm03	46276705	46276802	Gmdrm	hypo	CHG	-0.472
Gm03	46278847	46279268	Gmdrm	hypo	CHG	-0.2019
Gm03	46306026	46306151	Gmdrm	hypo	CHG	-0.482

Gm03	46306468	46306517	Gmdrm	hypo	CHG	-0.916
Gm03	46321994	46322120	Gmdrm	hypo	CHG	-0.4643
Gm03	46324677	46324935	Gmdrm	hypo	CHG	-0.0462
Gm03	46346027	46346149	Gmdrm	hypo	CHG	-0.09
Gm03	46351121	46351365	Gmdrm	hypo	CHG	-0.2182
Gm03	46365248	46365515	Gmdrm	hypo	CHG	-0.2237
Gm03	46375186	46375294	Gmdrm	hypo	CHG	-0.0711
Gm03	46382654	46383276	Gmdrm	hypo	CHG	-0.6903
Gm03	46395527	46395652	Gmdrm	hypo	CHG	-0.1317
Gm03	46399738	46400198	Gmdrm	hypo	CHG	-0.7519
Gm03	46411790	46411813	Gmdrm	hypo	CHG	-0.76
Gm03	46419919	46420038	Gmdrm	hypo	CHG	-0.5616
Gm03	46420224	46420493	Gmdrm	hypo	CHG	-0.3592
Gm03	46420908	46421078	Gmdrm	hypo	CHG	-0.5664
Gm03	46427312	46427551	Gmdrm	hypo	CHG	-0.0617
Gm03	46430291	46430658	Gmdrm	hypo	CHG	-0.3517
Gm03	46456899	46456964	Gmdrm	hypo	CHG	-0.68
Gm03	46469723	46470188	Gmdrm	hypo	CHG	-0.3686
Gm03	46470656	46470743	Gmdrm	hypo	CHG	-0.705
Gm03	46499530	46499748	Gmdrm	hypo	CHG	-0.606
Gm03	46503639	46503790	Gmdrm	hypo	CHG	-0.2899
Gm03	46504099	46504151	Gmdrm	hypo	CHG	-0.445
Gm03	46510747	46510876	Gmdrm	hypo	CHG	-0.385
Gm03	46532821	46533004	Gmdrm	hypo	CHG	-0.6012
Gm03	46533144	46533827	Gmdrm	hypo	CHG	-0.36
Gm03	46551144	46551299	Gmdrm	hypo	CHG	-0.7151
Gm03	46551864	46551908	Gmdrm	hypo	CHG	-0.598
Gm03	46566531	46567499	Gmdrm	hypo	CHG	-0.2551
Gm03	46567585	46568553	Gmdrm	hypo	CHG	-0.2688
Gm03	46569528	46570519	Gmdrm	hypo	CHG	-0.2146
Gm03	46571806	46572191	Gmdrm	hypo	CHG	-0.2761
Gm03	46611610	46611964	Gmdrm	hypo	CHG	-0.0525
Gm03	46621771	46621894	Gmdrm	hypo	CHG	-0.5467
Gm03	46622320	46622424	Gmdrm	hypo	CHG	-0.5624
Gm03	46625595	46625832	Gmdrm	hypo	CHG	-0.044
Gm03	46631235	46631255	Gmdrm	hypo	CHG	-0.065
Gm03	46634630	46634851	Gmdrm	hypo	CHG	-0.0674
Gm03	46641378	46641543	Gmdrm	hypo	CHG	-0.5509
Gm03	46642402	46642569	Gmdrm	hypo	CHG	-0.052
Gm03	46670744	46671136	Gmdrm	hypo	CHG	-0.7247
Gm03	46681357	46681648	Gmdrm	hypo	CHG	-0.0809
Gm03	46696511	46696692	Gmdrm	hypo	CHG	-0.0757
Gm03	46706020	46706351	Gmdrm	hypo	CHG	-0.8406
Gm03	46724368	46724613	Gmdrm	hypo	CHG	-0.0329
Gm03	46760743	46760887	Gmdrm	hypo	CHG	-0.75
Gm03	46761163	46761326	Gmdrm	hypo	CHG	-0.5557

Gm03	46762039	46762388	Gmdrm	hypo	CHG	-0.8984
Gm03	46762575	46762733	Gmdrm	hypo	CHG	-0.7443
Gm03	46773038	46773215	Gmdrm	hypo	CHG	-0.042
Gm03	46788816	46789063	Gmdrm	hypo	CHG	-0.0533
Gm03	46791181	46791335	Gmdrm	hypo	CHG	-0.052
Gm03	46803003	46803268	Gmdrm	hypo	CHG	-0.6604
Gm03	46813571	46813684	Gmdrm	hypo	CHG	-0.032
Gm03	46820573	46820670	Gmdrm	hypo	CHG	-0.614
Gm03	46821294	46821354	Gmdrm	hypo	CHG	-0.824
Gm03	46821691	46821854	Gmdrm	hypo	CHG	-0.6944
Gm03	46850384	46850513	Gmdrm	hypo	CHG	-0.492
Gm03	46866910	46867019	Gmdrm	hypo	CHG	-0.26
Gm03	46867223	46867262	Gmdrm	hypo	CHG	-0.424
Gm03	46870203	46870471	Gmdrm	hypo	CHG	-0.731
Gm03	46870610	46870739	Gmdrm	hypo	CHG	-0.76
Gm03	46870863	46871035	Gmdrm	hypo	CHG	-0.6475
Gm03	46871724	46871874	Gmdrm	hypo	CHG	-0.7204
Gm03	46872050	46872156	Gmdrm	hypo	CHG	-0.6467
Gm03	46873829	46873930	Gmdrm	hypo	CHG	-0.032
Gm03	46878166	46878432	Gmdrm	hypo	CHG	-0.0838
Gm03	46881323	46881587	Gmdrm	hypo	CHG	-0.38
Gm03	46881807	46881921	Gmdrm	hypo	CHG	-0.832
Gm03	46884031	46884088	Gmdrm	hypo	CHG	-0.128
Gm03	46917565	46917993	Gmdrm	hypo	CHG	-0.1027
Gm03	46922650	46922706	Gmdrm	hypo	CHG	-0.7467
Gm03	46932243	46932481	Gmdrm	hypo	CHG	-0.545
Gm03	46941638	46941784	Gmdrm	hypo	CHG	-0.7157
Gm03	46945516	46945553	Gmdrm	hypo	CHG	-0.8887
Gm03	46948595	46948642	Gmdrm	hypo	CHG	-0.678
Gm03	46948799	46949434	Gmdrm	hypo	CHG	-0.6675
Gm03	46950381	46950654	Gmdrm	hypo	CHG	-0.3527
Gm03	46950810	46951422	Gmdrm	hypo	CHG	-0.5098
Gm03_scaffo	916	1116	Gmdrm	hypo	CHG	-0.3625
Gm03_scaffo	1331	1452	Gmdrm	hypo	CHG	-0.3117
Gm03_scaffo	11144	11244	Gmdrm	hypo	CHG	-0.272
Gm03_scaffo	11363	11465	Gmdrm	hypo	CHG	-0.834
Gm03_scaffo	13460	13599	Gmdrm	hypo	CHG	-0.0333
Gm03_scaffo	15170	15317	Gmdrm	hypo	CHG	-0.4467
Gm03_scaffo	16734	16852	Gmdrm	hypo	CHG	-0.448
Gm03_scaffo	19587	19791	Gmdrm	hypo	CHG	-0.4522
Gm03_scaffo	21150	21204	Gmdrm	hypo	CHG	-0.15
Gm03_scaffo	3982	4232	Gmdrm	hypo	CHG	-0.2135
Gm03_scaffo	7028	7576	Gmdrm	hypo	CHG	-0.3839
Gm03_scaffo	7685	8087	Gmdrm	hypo	CHG	-0.2388
Gm03_scaffo	11651	11931	Gmdrm	hypo	CHG	-0.205
Gm03_scaffo	19373	19404	Gmdrm	hypo	CHG	-0.425

Gm03_scaffo	22641	22932	Gmdrm	hypo	CHG	-0.2585
Gm03_scaffo	750	823	Gmdrm	hypo	CHG	-0.2267
Gm03_scaffo	995	1254	Gmdrm	hypo	CHG	-0.67
Gm03_scaffo	25696	25880	Gmdrm	hypo	CHG	-0.055
Gm03_scaffo	27300	27665	Gmdrm	hypo	CHG	-0.1544
Gm03_scaffo	52267	52479	Gmdrm	hypo	CHG	-0.5614
Gm03_scaffo	61366	61623	Gmdrm	hypo	CHG	-0.515
Gm03_scaffo	96977	97102	Gmdrm	hypo	CHG	-0.046
Gm03_scaffo	109692	109850	Gmdrm	hypo	CHG	-0.052
Gm03_scaffo	111943	112168	Gmdrm	hypo	CHG	-0.531
Gm03_scaffo	140116	141093	Gmdrm	hypo	CHG	-0.1044
Gm03_scaffo	158576	159196	Gmdrm	hypo	CHG	-0.1316
Gm04	6616	6894	Gmdrm	hypo	CHG	-0.883
Gm04	7379	7520	Gmdrm	hypo	CHG	-0.3769
Gm04	11229	11358	Gmdrm	hypo	CHG	-0.491
Gm04	11764	12044	Gmdrm	hypo	CHG	-0.5369
Gm04	15415	15507	Gmdrm	hypo	CHG	-0.7844
Gm04	19793	19957	Gmdrm	hypo	CHG	-0.1787
Gm04	21410	21653	Gmdrm	hypo	CHG	-0.8713
Gm04	22470	22672	Gmdrm	hypo	CHG	-0.0313
Gm04	38560	38847	Gmdrm	hypo	CHG	-0.0513
Gm04	46361	46666	Gmdrm	hypo	CHG	-0.3125
Gm04	84198	84242	Gmdrm	hypo	CHG	-0.0433
Gm04	84981	85052	Gmdrm	hypo	CHG	-0.712
Gm04	85274	85326	Gmdrm	hypo	CHG	-0.9207
Gm04	109658	109686	Gmdrm	hypo	CHG	-0.6416
Gm04	109946	110141	Gmdrm	hypo	CHG	-0.47
Gm04	110329	110786	Gmdrm	hypo	CHG	-0.1633
Gm04	115978	116351	Gmdrm	hypo	CHG	-0.2127
Gm04	116814	117040	Gmdrm	hypo	CHG	-0.8333
Gm04	117723	117959	Gmdrm	hypo	CHG	-0.6595
Gm04	118874	119059	Gmdrm	hypo	CHG	-0.8169
Gm04	119330	119773	Gmdrm	hypo	CHG	-0.6017
Gm04	122611	122681	Gmdrm	hypo	CHG	-0.242
Gm04	129394	129485	Gmdrm	hypo	CHG	-0.17
Gm04	129704	129884	Gmdrm	hypo	CHG	-0.5393
Gm04	130327	130472	Gmdrm	hypo	CHG	-0.4053
Gm04	178949	179067	Gmdrm	hypo	CHG	-0.1844
Gm04	221256	221381	Gmdrm	hypo	CHG	-0.055
Gm04	239372	239738	Gmdrm	hypo	CHG	-0.027
Gm04	243638	244575	Gmdrm	hypo	CHG	-0.3823
Gm04	250059	250289	Gmdrm	hypo	CHG	-0.03
Gm04	268578	268645	Gmdrm	hypo	CHG	-0.8271
Gm04	268750	269000	Gmdrm	hypo	CHG	-0.8864
Gm04	269109	269369	Gmdrm	hypo	CHG	-0.9273
Gm04	279760	280172	Gmdrm	hypo	CHG	-0.8088

Gm04	280859	280999	Gmdrm	hypo	CHG	-0.5
Gm04	281470	281624	Gmdrm	hypo	CHG	-0.56
Gm04	291790	291946	Gmdrm	hypo	CHG	-0.05
Gm04	323447	323832	Gmdrm	hypo	CHG	-0.0975
Gm04	337269	337533	Gmdrm	hypo	CHG	-0.2972
Gm04	344082	344168	Gmdrm	hypo	CHG	-0.74
Gm04	344441	344566	Gmdrm	hypo	CHG	-0.837
Gm04	344782	344907	Gmdrm	hypo	CHG	-0.5813
Gm04	348674	348951	Gmdrm	hypo	CHG	-0.086
Gm04	354398	354476	Gmdrm	hypo	CHG	-0.84
Gm04	354688	354784	Gmdrm	hypo	CHG	-0.6878
Gm04	354977	355623	Gmdrm	hypo	CHG	-0.2509
Gm04	377263	377344	Gmdrm	hypo	CHG	-0.1833
Gm04	390685	390813	Gmdrm	hypo	CHG	-0.8067
Gm04	390945	391055	Gmdrm	hypo	CHG	-0.59
Gm04	398426	398757	Gmdrm	hypo	CHG	-0.1638
Gm04	421007	421329	Gmdrm	hypo	CHG	-0.7044
Gm04	427264	427517	Gmdrm	hypo	CHG	-0.195
Gm04	449502	449574	Gmdrm	hypo	CHG	-0.058
Gm04	450386	450535	Gmdrm	hypo	CHG	-0.8349
Gm04	450673	450700	Gmdrm	hypo	CHG	-0.87
Gm04	450838	450973	Gmdrm	hypo	CHG	-0.496
Gm04	458318	458470	Gmdrm	hypo	CHG	-0.4258
Gm04	458607	458816	Gmdrm	hypo	CHG	-0.5489
Gm04	459429	459840	Gmdrm	hypo	CHG	-0.5567
Gm04	469209	469687	Gmdrm	hypo	CHG	-0.0361
Gm04	480740	480937	Gmdrm	hypo	CHG	-0.034
Gm04	486404	486575	Gmdrm	hypo	CHG	-0.5862
Gm04	486874	487124	Gmdrm	hypo	CHG	-0.7525
Gm04	500997	501146	Gmdrm	hypo	CHG	-0.304
Gm04	501833	501907	Gmdrm	hypo	CHG	-0.396
Gm04	523365	523544	Gmdrm	hypo	CHG	-0.853
Gm04	543538	543659	Gmdrm	hypo	CHG	-0.0333
Gm04	552089	552719	Gmdrm	hypo	CHG	-0.5378
Gm04	552821	552871	Gmdrm	hypo	CHG	-0.442
Gm04	563691	563816	Gmdrm	hypo	CHG	-0.578
Gm04	568519	568621	Gmdrm	hypo	CHG	-0.606
Gm04	569294	569396	Gmdrm	hypo	CHG	-0.8891
Gm04	576572	576755	Gmdrm	hypo	CHG	-0.53
Gm04	623330	624301	Gmdrm	hypo	CHG	-0.1217
Gm04	624359	624491	Gmdrm	hypo	CHG	-0.0571
Gm04	624693	625031	Gmdrm	hypo	CHG	-0.056
Gm04	637452	637682	Gmdrm	hypo	CHG	-0.8016
Gm04	637783	637945	Gmdrm	hypo	CHG	-0.705
Gm04	653769	653888	Gmdrm	hypo	CHG	-0.0312
Gm04	658216	658497	Gmdrm	hypo	CHG	-0.0514

Gm04	660100	660359	Gmdrm	hypo	CHG	-0.096
Gm04	662922	663189	Gmdrm	hypo	CHG	-0.4728
Gm04	665664	666217	Gmdrm	hypo	CHG	-0.5222
Gm04	672639	672825	Gmdrm	hypo	CHG	-0.0522
Gm04	679720	680555	Gmdrm	hypo	CHG	-0.142
Gm04	682118	682327	Gmdrm	hypo	CHG	-0.5739
Gm04	690541	690594	Gmdrm	hypo	CHG	-0.8812
Gm04	691552	691801	Gmdrm	hypo	CHG	-0.3677
Gm04	692498	692664	Gmdrm	hypo	CHG	-0.3625
Gm04	696145	696308	Gmdrm	hypo	CHG	-0.7412
Gm04	696696	697259	Gmdrm	hypo	CHG	-0.1204
Gm04	701918	702100	Gmdrm	hypo	CHG	-0.065
Gm04	710174	710372	Gmdrm	hypo	CHG	-0.9386
Gm04	710508	710556	Gmdrm	hypo	CHG	-0.175
Gm04	715142	715265	Gmdrm	hypo	CHG	-0.758
Gm04	715760	715809	Gmdrm	hypo	CHG	-0.835
Gm04	752917	753064	Gmdrm	hypo	CHG	-0.8134
Gm04	756915	757157	Gmdrm	hypo	CHG	-0.8875
Gm04	762448	762774	Gmdrm	hypo	CHG	-0.5464
Gm04	771141	771384	Gmdrm	hypo	CHG	-0.8759
Gm04	780952	781199	Gmdrm	hypo	CHG	-0.0771
Gm04	786117	786435	Gmdrm	hypo	CHG	-0.847
Gm04	787373	787730	Gmdrm	hypo	CHG	-0.8037
Gm04	809253	809292	Gmdrm	hypo	CHG	-0.736
Gm04	809857	809889	Gmdrm	hypo	CHG	-0.7134
Gm04	819136	819340	Gmdrm	hypo	CHG	-0.8573
Gm04	820004	820352	Gmdrm	hypo	CHG	-0.7612
Gm04	835698	836042	Gmdrm	hypo	CHG	-0.2755
Gm04	860142	860436	Gmdrm	hypo	CHG	-0.4723
Gm04	867189	867311	Gmdrm	hypo	CHG	-0.078
Gm04	880764	880884	Gmdrm	hypo	CHG	-0.0433
Gm04	919669	919853	Gmdrm	hypo	CHG	-0.1471
Gm04	937189	937220	Gmdrm	hypo	CHG	-0.8086
Gm04	937876	938329	Gmdrm	hypo	CHG	-0.2727
Gm04	938572	938796	Gmdrm	hypo	CHG	-0.606
Gm04	939235	939450	Gmdrm	hypo	CHG	-0.7881
Gm04	955531	955708	Gmdrm	hypo	CHG	-0.866
Gm04	974688	974751	Gmdrm	hypo	CHG	-0.3643
Gm04	984386	984955	Gmdrm	hypo	CHG	-0.5203
Gm04	995226	995525	Gmdrm	hypo	CHG	-0.0456
Gm04	1004980	1005263	Gmdrm	hypo	CHG	-0.05
Gm04	1007877	1007973	Gmdrm	hypo	CHG	-0.0843
Gm04	1052893	1053157	Gmdrm	hypo	CHG	-0.0433
Gm04	1053481	1053701	Gmdrm	hypo	CHG	-0.0536
Gm04	1056130	1056415	Gmdrm	hypo	CHG	-0.0433
Gm04	1059271	1059344	Gmdrm	hypo	CHG	-0.0683

Gm04	1068623	1068820	Gmdrm	hypo	CHG	-0.874
Gm04	1091655	1091729	Gmdrm	hypo	CHG	-0.14
Gm04	1091844	1092051	Gmdrm	hypo	CHG	-0.17
Gm04	1092182	1092365	Gmdrm	hypo	CHG	-0.536
Gm04	1107495	1107793	Gmdrm	hypo	CHG	-0.7818
Gm04	1132853	1133182	Gmdrm	hypo	CHG	-0.0535
Gm04	1218048	1218112	Gmdrm	hypo	CHG	-0.8025
Gm04	1249914	1250068	Gmdrm	hypo	CHG	-0.8975
Gm04	1274166	1274280	Gmdrm	hypo	CHG	-0.526
Gm04	1274676	1275007	Gmdrm	hypo	CHG	-0.43
Gm04	1283388	1283518	Gmdrm	hypo	CHG	-0.5634
Gm04	1283793	1283905	Gmdrm	hypo	CHG	-0.7233
Gm04	1298925	1299079	Gmdrm	hypo	CHG	-0.6528
Gm04	1300528	1300830	Gmdrm	hypo	CHG	-0.3116
Gm04	1339949	1340204	Gmdrm	hypo	CHG	-0.0417
Gm04	1342717	1342846	Gmdrm	hypo	CHG	-0.155
Gm04	1372701	1372992	Gmdrm	hypo	CHG	-0.7527
Gm04	1373447	1373505	Gmdrm	hypo	CHG	-0.65
Gm04	1397900	1398049	Gmdrm	hypo	CHG	-0.4313
Gm04	1398259	1398519	Gmdrm	hypo	CHG	-0.1821
Gm04	1415089	1415310	Gmdrm	hypo	CHG	-0.04
Gm04	1422337	1422535	Gmdrm	hypo	CHG	-0.4635
Gm04	1449134	1449681	Gmdrm	hypo	CHG	-0.3548
Gm04	1455100	1455340	Gmdrm	hypo	CHG	-0.549
Gm04	1457384	1457405	Gmdrm	hypo	CHG	-0.728
Gm04	1465932	1466478	Gmdrm	hypo	CHG	-0.6045
Gm04	1471866	1472094	Gmdrm	hypo	CHG	-0.8025
Gm04	1503656	1503787	Gmdrm	hypo	CHG	-0.04
Gm04	1505017	1505154	Gmdrm	hypo	CHG	-0.2314
Gm04	1505279	1505403	Gmdrm	hypo	CHG	-0.868
Gm04	1505657	1505890	Gmdrm	hypo	CHG	-0.4094
Gm04	1507702	1507808	Gmdrm	hypo	CHG	-0.05
Gm04	1508520	1508580	Gmdrm	hypo	CHG	-0.082
Gm04	1542085	1542130	Gmdrm	hypo	CHG	-0.036
Gm04	1545408	1545468	Gmdrm	hypo	CHG	-0.675
Gm04	1546046	1546196	Gmdrm	hypo	CHG	-0.7272
Gm04	1546325	1546553	Gmdrm	hypo	CHG	-0.4012
Gm04	1557198	1557289	Gmdrm	hypo	CHG	-0.63
Gm04	1561262	1561359	Gmdrm	hypo	CHG	-0.5984
Gm04	1564006	1564098	Gmdrm	hypo	CHG	-0.6138
Gm04	1602079	1602406	Gmdrm	hypo	CHG	-0.3325
Gm04	1610782	1610955	Gmdrm	hypo	CHG	-0.052
Gm04	1635268	1635605	Gmdrm	hypo	CHG	-0.0425
Gm04	1679419	1679470	Gmdrm	hypo	CHG	-0.524
Gm04	1679935	1680115	Gmdrm	hypo	CHG	-0.7109
Gm04	1681107	1681223	Gmdrm	hypo	CHG	-0.738

Gm04	1687463	1687664	Gmdrm	hypo	CHG	-0.3825
Gm04	1696886	1697299	Gmdrm	hypo	CHG	-0.3461
Gm04	1702859	1703049	Gmdrm	hypo	CHG	-0.78
Gm04	1730622	1730784	Gmdrm	hypo	CHG	-0.8113
Gm04	1731006	1731111	Gmdrm	hypo	CHG	-0.0743
Gm04	1744792	1744912	Gmdrm	hypo	CHG	-0.5272
Gm04	1745061	1745164	Gmdrm	hypo	CHG	-0.6514
Gm04	1761499	1761640	Gmdrm	hypo	CHG	-0.072
Gm04	1789414	1789756	Gmdrm	hypo	CHG	-0.0322
Gm04	1800262	1801250	Gmdrm	hypo	CHG	-0.3226
Gm04	1808644	1808724	Gmdrm	hypo	CHG	-0.535
Gm04	1813027	1813390	Gmdrm	hypo	CHG	-0.8681
Gm04	1816738	1816888	Gmdrm	hypo	CHG	-0.6926
Gm04	1817296	1817375	Gmdrm	hypo	CHG	-0.8667
Gm04	1849161	1849431	Gmdrm	hypo	CHG	-0.8133
Gm04	1871492	1871782	Gmdrm	hypo	CHG	-0.4554
Gm04	1871919	1871997	Gmdrm	hypo	CHG	-0.8043
Gm04	1872684	1872810	Gmdrm	hypo	CHG	-0.03
Gm04	1874755	1874782	Gmdrm	hypo	CHG	-0.04
Gm04	1876908	1877184	Gmdrm	hypo	CHG	-0.523
Gm04	1908532	1908615	Gmdrm	hypo	CHG	-0.052
Gm04	1914131	1914181	Gmdrm	hypo	CHG	-0.708
Gm04	1919220	1919393	Gmdrm	hypo	CHG	-0.7389
Gm04	1920762	1921029	Gmdrm	hypo	CHG	-0.04
Gm04	1923636	1923792	Gmdrm	hypo	CHG	-0.8486
Gm04	1924597	1924755	Gmdrm	hypo	CHG	-0.8186
Gm04	1943080	1943158	Gmdrm	hypo	CHG	-0.058
Gm04	1967653	1967816	Gmdrm	hypo	CHG	-0.4255
Gm04	1968670	1968766	Gmdrm	hypo	CHG	-0.656
Gm04	1975600	1975713	Gmdrm	hypo	CHG	-0.7125
Gm04	1982545	1982699	Gmdrm	hypo	CHG	-0.2658
Gm04	2000762	2000977	Gmdrm	hypo	CHG	-0.04
Gm04	2025280	2025418	Gmdrm	hypo	CHG	-0.3517
Gm04	2025804	2025917	Gmdrm	hypo	CHG	-0.1925
Gm04	2026063	2026103	Gmdrm	hypo	CHG	-0.265
Gm04	2044552	2044606	Gmdrm	hypo	CHG	-0.336
Gm04	2058908	2059020	Gmdrm	hypo	CHG	-0.0638
Gm04	2061567	2061900	Gmdrm	hypo	CHG	-0.0367
Gm04	2067738	2068249	Gmdrm	hypo	CHG	-0.7746
Gm04	2074136	2074268	Gmdrm	hypo	CHG	-0.3545
Gm04	2076395	2076495	Gmdrm	hypo	CHG	-0.06
Gm04	2108483	2108547	Gmdrm	hypo	CHG	-0.3257
Gm04	2109186	2109468	Gmdrm	hypo	CHG	-0.582
Gm04	2131803	2131886	Gmdrm	hypo	CHG	-0.8066
Gm04	2183709	2183790	Gmdrm	hypo	CHG	-0.046
Gm04	2188138	2188463	Gmdrm	hypo	CHG	-0.2

Gm04	2189308	2189404	Gmdrm	hypo	CHG	-0.3128
Gm04	2189886	2190829	Gmdrm	hypo	CHG	-0.675
Gm04	2198074	2198117	Gmdrm	hypo	CHG	-0.438
Gm04	2199051	2199194	Gmdrm	hypo	CHG	-0.6212
Gm04	2199410	2199548	Gmdrm	hypo	CHG	-0.695
Gm04	2212166	2212382	Gmdrm	hypo	CHG	-0.0633
Gm04	2213941	2214158	Gmdrm	hypo	CHG	-0.82
Gm04	2214498	2214718	Gmdrm	hypo	CHG	-0.578
Gm04	2215279	2215547	Gmdrm	hypo	CHG	-0.301
Gm04	2217018	2217244	Gmdrm	hypo	CHG	-0.2956
Gm04	2223973	2224089	Gmdrm	hypo	CHG	-0.064
Gm04	2226982	2227136	Gmdrm	hypo	CHG	-0.48
Gm04	2227605	2227785	Gmdrm	hypo	CHG	-0.04
Gm04	2238194	2238791	Gmdrm	hypo	CHG	-0.1641
Gm04	2258675	2258806	Gmdrm	hypo	CHG	-0.54
Gm04	2262906	2263113	Gmdrm	hypo	CHG	-0.558
Gm04	2267976	2268036	Gmdrm	hypo	CHG	-0.048
Gm04	2277349	2277501	Gmdrm	hypo	CHG	-0.0225
Gm04	2298835	2299117	Gmdrm	hypo	CHG	-0.05
Gm04	2304110	2304353	Gmdrm	hypo	CHG	-0.04
Gm04	2305090	2305296	Gmdrm	hypo	CHG	-0.04
Gm04	2341431	2341678	Gmdrm	hypo	CHG	-0.5044
Gm04	2391974	2392104	Gmdrm	hypo	CHG	-0.1372
Gm04	2399799	2400018	Gmdrm	hypo	CHG	-0.0489
Gm04	2402008	2402235	Gmdrm	hypo	CHG	-0.0428
Gm04	2425137	2425251	Gmdrm	hypo	CHG	-0.04
Gm04	2481829	2482248	Gmdrm	hypo	CHG	-0.7864
Gm04	2514361	2514581	Gmdrm	hypo	CHG	-0.083
Gm04	2516975	2517192	Gmdrm	hypo	CHG	-0.7407
Gm04	2521573	2521803	Gmdrm	hypo	CHG	-0.4123
Gm04	2523618	2524216	Gmdrm	hypo	CHG	-0.3939
Gm04	2526781	2527002	Gmdrm	hypo	CHG	-0.066
Gm04	2528446	2528653	Gmdrm	hypo	CHG	-0.0727
Gm04	2560905	2561041	Gmdrm	hypo	CHG	-0.0383
Gm04	2590891	2591217	Gmdrm	hypo	CHG	-0.0945
Gm04	2598575	2598926	Gmdrm	hypo	CHG	-0.1437
Gm04	2600641	2600858	Gmdrm	hypo	CHG	-0.3538
Gm04	2626327	2626379	Gmdrm	hypo	CHG	-0.084
Gm04	2628469	2628522	Gmdrm	hypo	CHG	-0.614
Gm04	2630286	2630411	Gmdrm	hypo	CHG	-0.61
Gm04	2630539	2630665	Gmdrm	hypo	CHG	-0.8192
Gm04	2639540	2639718	Gmdrm	hypo	CHG	-0.5812
Gm04	2640117	2640190	Gmdrm	hypo	CHG	-0.865
Gm04	2641549	2641698	Gmdrm	hypo	CHG	-0.5917
Gm04	2641827	2641970	Gmdrm	hypo	CHG	-0.8387
Gm04	2664572	2664677	Gmdrm	hypo	CHG	-0.0583

Gm04	2676042	2676250	Gmdrm	hypo	CHG	-0.92
Gm04	2688776	2688857	Gmdrm	hypo	CHG	-0.827
Gm04	2694247	2694864	Gmdrm	hypo	CHG	-0.311
Gm04	2695178	2695209	Gmdrm	hypo	CHG	-0.53
Gm04	2718783	2718845	Gmdrm	hypo	CHG	-0.87
Gm04	2718978	2719115	Gmdrm	hypo	CHG	-0.3728
Gm04	2723488	2723838	Gmdrm	hypo	CHG	-0.0408
Gm04	2724039	2724476	Gmdrm	hypo	CHG	-0.0747
Gm04	2730823	2731081	Gmdrm	hypo	CHG	-0.5972
Gm04	2731246	2731355	Gmdrm	hypo	CHG	-0.819
Gm04	2731522	2731585	Gmdrm	hypo	CHG	-0.656
Gm04	2731713	2731721	Gmdrm	hypo	CHG	-0.904
Gm04	2752302	2752468	Gmdrm	hypo	CHG	-0.344
Gm04	2772064	2772613	Gmdrm	hypo	CHG	-0.2715
Gm04	2784313	2784381	Gmdrm	hypo	CHG	-0.6384
Gm04	2787352	2787980	Gmdrm	hypo	CHG	-0.1618
Gm04	2790394	2790718	Gmdrm	hypo	CHG	-0.0675
Gm04	2797393	2797452	Gmdrm	hypo	CHG	-0.5433
Gm04	2798157	2798266	Gmdrm	hypo	CHG	-0.8117
Gm04	2800675	2800796	Gmdrm	hypo	CHG	-0.53
Gm04	2834603	2834777	Gmdrm	hypo	CHG	-0.8962
Gm04	2842355	2842573	Gmdrm	hypo	CHG	-0.025
Gm04	2847290	2847419	Gmdrm	hypo	CHG	-0.0417
Gm04	2848005	2848137	Gmdrm	hypo	CHG	-0.837
Gm04	2848393	2848910	Gmdrm	hypo	CHG	-0.5061
Gm04	2872881	2873172	Gmdrm	hypo	CHG	-0.0409
Gm04	2916956	2917127	Gmdrm	hypo	CHG	-0.4363
Gm04	2921062	2921265	Gmdrm	hypo	CHG	-0.6942
Gm04	2927716	2928714	Gmdrm	hypo	CHG	-0.2153
Gm04	2934533	2934877	Gmdrm	hypo	CHG	-0.32
Gm04	2956041	2956318	Gmdrm	hypo	CHG	-0.03
Gm04	2959525	2959677	Gmdrm	hypo	CHG	-0.5983
Gm04	2959802	2959924	Gmdrm	hypo	CHG	-0.7745
Gm04	2960439	2960610	Gmdrm	hypo	CHG	-0.8936
Gm04	2960743	2960979	Gmdrm	hypo	CHG	-0.7783
Gm04	2964469	2964672	Gmdrm	hypo	CHG	-0.0274
Gm04	2974729	2975140	Gmdrm	hypo	CHG	-0.2519
Gm04	2976911	2977181	Gmdrm	hypo	CHG	-0.2919
Gm04	2980299	2981150	Gmdrm	hypo	CHG	-0.2506
Gm04	2983542	2983714	Gmdrm	hypo	CHG	-0.872
Gm04	2984013	2984095	Gmdrm	hypo	CHG	-0.648
Gm04	2993145	2993510	Gmdrm	hypo	CHG	-0.531
Gm04	3028922	3029339	Gmdrm	hypo	CHG	-0.222
Gm04	3030745	3030969	Gmdrm	hypo	CHG	-0.3187
Gm04	3047023	3047153	Gmdrm	hypo	CHG	-0.1911
Gm04	3051063	3051210	Gmdrm	hypo	CHG	-0.5483

Gm04	3051370	3051486	Gmdrm	hypo	CHG	-0.8786
Gm04	3051691	3051789	Gmdrm	hypo	CHG	-0.6872
Gm04	3052042	3052141	Gmdrm	hypo	CHG	-0.498
Gm04	3052492	3052900	Gmdrm	hypo	CHG	-0.1275
Gm04	3072101	3072172	Gmdrm	hypo	CHG	-0.89
Gm04	3072641	3072740	Gmdrm	hypo	CHG	-0.0316
Gm04	3115209	3115329	Gmdrm	hypo	CHG	-0.6634
Gm04	3117450	3117535	Gmdrm	hypo	CHG	-0.07
Gm04	3164867	3164970	Gmdrm	hypo	CHG	-0.832
Gm04	3170516	3170593	Gmdrm	hypo	CHG	-0.682
Gm04	3170825	3170953	Gmdrm	hypo	CHG	-0.375
Gm04	3171196	3171356	Gmdrm	hypo	CHG	-0.5562
Gm04	3182939	3183307	Gmdrm	hypo	CHG	-0.6888
Gm04	3183820	3183887	Gmdrm	hypo	CHG	-0.5328
Gm04	3185178	3185477	Gmdrm	hypo	CHG	-0.4166
Gm04	3214214	3214347	Gmdrm	hypo	CHG	-0.745
Gm04	3214462	3214585	Gmdrm	hypo	CHG	-0.8325
Gm04	3215825	3216002	Gmdrm	hypo	CHG	-0.0375
Gm04	3220743	3220915	Gmdrm	hypo	CHG	-0.628
Gm04	3225947	3225973	Gmdrm	hypo	CHG	-0.036
Gm04	3304947	3305164	Gmdrm	hypo	CHG	-0.0667
Gm04	3314639	3314702	Gmdrm	hypo	CHG	-0.0533
Gm04	3327806	3328004	Gmdrm	hypo	CHG	-0.3947
Gm04	3330280	3330400	Gmdrm	hypo	CHG	-0.4367
Gm04	3365058	3365301	Gmdrm	hypo	CHG	-0.7
Gm04	3378984	3379327	Gmdrm	hypo	CHG	-0.5244
Gm04	3391037	3391350	Gmdrm	hypo	CHG	-0.4006
Gm04	3392309	3392430	Gmdrm	hypo	CHG	-0.1915
Gm04	3397742	3397917	Gmdrm	hypo	CHG	-0.0278
Gm04	3400653	3401037	Gmdrm	hypo	CHG	-0.054
Gm04	3401386	3401484	Gmdrm	hypo	CHG	-0.064
Gm04	3402850	3402949	Gmdrm	hypo	CHG	-0.8188
Gm04	3468600	3468760	Gmdrm	hypo	CHG	-0.5915
Gm04	3473515	3473611	Gmdrm	hypo	CHG	-0.78
Gm04	3473738	3474269	Gmdrm	hypo	CHG	-0.6655
Gm04	3500668	3500979	Gmdrm	hypo	CHG	-0.406
Gm04	3501395	3501500	Gmdrm	hypo	CHG	-0.3
Gm04	3529125	3529210	Gmdrm	hypo	CHG	-0.042
Gm04	3547109	3547457	Gmdrm	hypo	CHG	-0.5967
Gm04	3548768	3549120	Gmdrm	hypo	CHG	-0.8132
Gm04	3558132	3558402	Gmdrm	hypo	CHG	-0.055
Gm04	3564743	3564891	Gmdrm	hypo	CHG	-0.0342
Gm04	3574038	3574186	Gmdrm	hypo	CHG	-0.7473
Gm04	3574969	3575201	Gmdrm	hypo	CHG	-0.6334
Gm04	3575585	3575684	Gmdrm	hypo	CHG	-0.6637
Gm04	3612991	3613741	Gmdrm	hypo	CHG	-0.195

Gm04	3613977	3614347	Gmdrm	hypo	CHG	-0.3414
Gm04	3631566	3631774	Gmdrm	hypo	CHG	-0.4842
Gm04	3631935	3632050	Gmdrm	hypo	CHG	-0.7667
Gm04	3633411	3633784	Gmdrm	hypo	CHG	-0.9266
Gm04	3649622	3649682	Gmdrm	hypo	CHG	-0.87
Gm04	3658802	3658943	Gmdrm	hypo	CHG	-0.5984
Gm04	3668492	3668650	Gmdrm	hypo	CHG	-0.6293
Gm04	3669667	3669760	Gmdrm	hypo	CHG	-0.7977
Gm04	3698516	3698656	Gmdrm	hypo	CHG	-0.6433
Gm04	3699149	3699285	Gmdrm	hypo	CHG	-0.9217
Gm04	3717018	3717373	Gmdrm	hypo	CHG	-0.1322
Gm04	3728685	3728980	Gmdrm	hypo	CHG	-0.199
Gm04	3729341	3729461	Gmdrm	hypo	CHG	-0.0833
Gm04	3734040	3734258	Gmdrm	hypo	CHG	-0.418
Gm04	3734633	3734687	Gmdrm	hypo	CHG	-0.208
Gm04	3735474	3735511	Gmdrm	hypo	CHG	-0.196
Gm04	3751365	3751624	Gmdrm	hypo	CHG	-0.7085
Gm04	3751934	3752170	Gmdrm	hypo	CHG	-0.67
Gm04	3774263	3775111	Gmdrm	hypo	CHG	-0.2831
Gm04	3837211	3838173	Gmdrm	hypo	CHG	-0.5785
Gm04	3839060	3839273	Gmdrm	hypo	CHG	-0.4872
Gm04	3848342	3848619	Gmdrm	hypo	CHG	-0.8677
Gm04	3849671	3849955	Gmdrm	hypo	CHG	-0.464
Gm04	3850503	3850757	Gmdrm	hypo	CHG	-0.759
Gm04	3872663	3872748	Gmdrm	hypo	CHG	-0.75
Gm04	3892367	3893366	Gmdrm	hypo	CHG	-0.2508
Gm04	3893368	3893754	Gmdrm	hypo	CHG	-0.2674
Gm04	3898821	3899443	Gmdrm	hypo	CHG	-0.6668
Gm04	3912626	3912886	Gmdrm	hypo	CHG	-0.04
Gm04	3930933	3931065	Gmdrm	hypo	CHG	-0.05
Gm04	3937691	3937795	Gmdrm	hypo	CHG	-0.0911
Gm04	3949405	3949505	Gmdrm	hypo	CHG	-0.524
Gm04	3965632	3965647	Gmdrm	hypo	CHG	-0.4783
Gm04	3970447	3970580	Gmdrm	hypo	CHG	-0.054
Gm04	3995592	3995639	Gmdrm	hypo	CHG	-0.0633
Gm04	4001189	4001360	Gmdrm	hypo	CHG	-0.3486
Gm04	4011617	4011780	Gmdrm	hypo	CHG	-0.631
Gm04	4026332	4026385	Gmdrm	hypo	CHG	-0.772
Gm04	4058544	4058685	Gmdrm	hypo	CHG	-0.0286
Gm04	4060378	4060516	Gmdrm	hypo	CHG	-0.04
Gm04	4083845	4083942	Gmdrm	hypo	CHG	-0.36
Gm04	4092822	4093328	Gmdrm	hypo	CHG	-0.4838
Gm04	4098232	4098491	Gmdrm	hypo	CHG	-0.6914
Gm04	4098986	4099259	Gmdrm	hypo	CHG	-0.078
Gm04	4106055	4106140	Gmdrm	hypo	CHG	-0.062
Gm04	4109373	4109594	Gmdrm	hypo	CHG	-0.098

Gm04	4109852	4110137	Gmdrm	hypo	CHG	-0.475
Gm04	4116588	4116786	Gmdrm	hypo	CHG	-0.625
Gm04	4118799	4118993	Gmdrm	hypo	CHG	-0.0589
Gm04	4150553	4150864	Gmdrm	hypo	CHG	-0.0617
Gm04	4177140	4177287	Gmdrm	hypo	CHG	-0.3183
Gm04	4178971	4179039	Gmdrm	hypo	CHG	-0.6014
Gm04	4179703	4179907	Gmdrm	hypo	CHG	-0.666
Gm04	4180292	4180587	Gmdrm	hypo	CHG	-0.0388
Gm04	4212875	4213275	Gmdrm	hypo	CHG	-0.1413
Gm04	4225281	4225427	Gmdrm	hypo	CHG	-0.04
Gm04	4229798	4229992	Gmdrm	hypo	CHG	-0.795
Gm04	4234115	4234228	Gmdrm	hypo	CHG	-0.8457
Gm04	4247998	4248227	Gmdrm	hypo	CHG	-0.615
Gm04	4248400	4248729	Gmdrm	hypo	CHG	-0.3156
Gm04	4253346	4253418	Gmdrm	hypo	CHG	-0.582
Gm04	4263440	4263749	Gmdrm	hypo	CHG	-0.0337
Gm04	4282955	4283280	Gmdrm	hypo	CHG	-0.69
Gm04	4284147	4284551	Gmdrm	hypo	CHG	-0.6865
Gm04	4285206	4285307	Gmdrm	hypo	CHG	-0.036
Gm04	4290739	4290993	Gmdrm	hypo	CHG	-0.5918
Gm04	4294959	4295005	Gmdrm	hypo	CHG	-0.8867
Gm04	4295119	4295428	Gmdrm	hypo	CHG	-0.7706
Gm04	4295744	4295860	Gmdrm	hypo	CHG	-0.656
Gm04	4296084	4296460	Gmdrm	hypo	CHG	-0.0325
Gm04	4329128	4329229	Gmdrm	hypo	CHG	-0.245
Gm04	4329417	4329447	Gmdrm	hypo	CHG	-0.536
Gm04	4332890	4333167	Gmdrm	hypo	CHG	-0.0443
Gm04	4334792	4335207	Gmdrm	hypo	CHG	-0.2779
Gm04	4342902	4343141	Gmdrm	hypo	CHG	-0.785
Gm04	4343258	4343490	Gmdrm	hypo	CHG	-0.7387
Gm04	4348564	4348686	Gmdrm	hypo	CHG	-0.0317
Gm04	4377137	4377315	Gmdrm	hypo	CHG	-0.032
Gm04	4377786	4378062	Gmdrm	hypo	CHG	-0.0393
Gm04	4383559	4383678	Gmdrm	hypo	CHG	-0.7392
Gm04	4384705	4384852	Gmdrm	hypo	CHG	-0.6763
Gm04	4386325	4386572	Gmdrm	hypo	CHG	-0.0672
Gm04	4394794	4395352	Gmdrm	hypo	CHG	-0.152
Gm04	4404354	4404462	Gmdrm	hypo	CHG	-0.036
Gm04	4409009	4409150	Gmdrm	hypo	CHG	-0.074
Gm04	4455032	4455241	Gmdrm	hypo	CHG	-0.145
Gm04	4455659	4455983	Gmdrm	hypo	CHG	-0.057
Gm04	4456156	4456306	Gmdrm	hypo	CHG	-0.0543
Gm04	4458272	4458856	Gmdrm	hypo	CHG	-0.2838
Gm04	4461949	4462106	Gmdrm	hypo	CHG	-0.0357
Gm04	4466947	4467188	Gmdrm	hypo	CHG	-0.8646
Gm04	4468364	4468424	Gmdrm	hypo	CHG	-0.9367

Gm04	4472183	4472268	Gmdrm	hypo	CHG	-0.6557
Gm04	4472538	4472789	Gmdrm	hypo	CHG	-0.629
Gm04	4483903	4484349	Gmdrm	hypo	CHG	-0.68
Gm04	4487114	4487233	Gmdrm	hypo	CHG	-0.098
Gm04	4499470	4499759	Gmdrm	hypo	CHG	-0.035
Gm04	4505705	4505823	Gmdrm	hypo	CHG	-0.036
Gm04	4511071	4511171	Gmdrm	hypo	CHG	-0.3383
Gm04	4525398	4525565	Gmdrm	hypo	CHG	-0.32
Gm04	4530564	4530792	Gmdrm	hypo	CHG	-0.0445
Gm04	4534316	4534495	Gmdrm	hypo	CHG	-0.7839
Gm04	4545527	4545785	Gmdrm	hypo	CHG	-0.2558
Gm04	4545886	4546364	Gmdrm	hypo	CHG	-0.2272
Gm04	4547073	4547444	Gmdrm	hypo	CHG	-0.4562
Gm04	4576718	4576762	Gmdrm	hypo	CHG	-0.055
Gm04	4590259	4590519	Gmdrm	hypo	CHG	-0.0358
Gm04	4605146	4605308	Gmdrm	hypo	CHG	-0.9167
Gm04	4605748	4605998	Gmdrm	hypo	CHG	-0.4222
Gm04	4610888	4611124	Gmdrm	hypo	CHG	-0.6863
Gm04	4638728	4638895	Gmdrm	hypo	CHG	-0.0388
Gm04	4644710	4645051	Gmdrm	hypo	CHG	-0.0646
Gm04	4651985	4652421	Gmdrm	hypo	CHG	-0.038
Gm04	4675873	4676136	Gmdrm	hypo	CHG	-0.4525
Gm04	4712630	4713379	Gmdrm	hypo	CHG	-0.1359
Gm04	4714919	4715018	Gmdrm	hypo	CHG	-0.4534
Gm04	4748180	4748359	Gmdrm	hypo	CHG	-0.8031
Gm04	4758197	4758281	Gmdrm	hypo	CHG	-0.8243
Gm04	4821861	4822002	Gmdrm	hypo	CHG	-0.125
Gm04	4823773	4823860	Gmdrm	hypo	CHG	-0.195
Gm04	4854850	4855157	Gmdrm	hypo	CHG	-0.1628
Gm04	4855260	4855283	Gmdrm	hypo	CHG	-0.2566
Gm04	4869658	4869841	Gmdrm	hypo	CHG	-0.4777
Gm04	4888505	4888724	Gmdrm	hypo	CHG	-0.5743
Gm04	4903478	4903713	Gmdrm	hypo	CHG	-0.45
Gm04	4920241	4920378	Gmdrm	hypo	CHG	-0.76
Gm04	4946595	4946709	Gmdrm	hypo	CHG	-0.7717
Gm04	4947546	4947608	Gmdrm	hypo	CHG	-0.814
Gm04	4957551	4957707	Gmdrm	hypo	CHG	-0.034
Gm04	4963310	4963351	Gmdrm	hypo	CHG	-0.8166
Gm04	4987656	4987771	Gmdrm	hypo	CHG	-0.64
Gm04	4988054	4988175	Gmdrm	hypo	CHG	-0.86
Gm04	4988345	4988549	Gmdrm	hypo	CHG	-0.494
Gm04	5000435	5000615	Gmdrm	hypo	CHG	-0.58
Gm04	5004932	5005010	Gmdrm	hypo	CHG	-0.768
Gm04	5015183	5015388	Gmdrm	hypo	CHG	-0.7245
Gm04	5015659	5015869	Gmdrm	hypo	CHG	-0.5885
Gm04	5040003	5040103	Gmdrm	hypo	CHG	-0.16

Gm04	5044741	5044979	Gmdrm	hypo	CHG	-0.2724
Gm04	5053179	5053222	Gmdrm	hypo	CHG	-0.676
Gm04	5064000	5064152	Gmdrm	hypo	CHG	-0.9288
Gm04	5065641	5066278	Gmdrm	hypo	CHG	-0.2582
Gm04	5066651	5066982	Gmdrm	hypo	CHG	-0.5977
Gm04	5080428	5080448	Gmdrm	hypo	CHG	-0.0767
Gm04	5105994	5106088	Gmdrm	hypo	CHG	-0.1886
Gm04	5106371	5106514	Gmdrm	hypo	CHG	-0.1887
Gm04	5113457	5113895	Gmdrm	hypo	CHG	-0.72
Gm04	5115467	5115537	Gmdrm	hypo	CHG	-0.836
Gm04	5115857	5116211	Gmdrm	hypo	CHG	-0.1738
Gm04	5116987	5117160	Gmdrm	hypo	CHG	-0.2757
Gm04	5117981	5118101	Gmdrm	hypo	CHG	-0.8445
Gm04	5124130	5124889	Gmdrm	hypo	CHG	-0.7888
Gm04	5135595	5135810	Gmdrm	hypo	CHG	-0.044
Gm04	5144922	5145041	Gmdrm	hypo	CHG	-0.0833
Gm04	5169386	5170361	Gmdrm	hypo	CHG	-0.4988
Gm04	5185924	5186435	Gmdrm	hypo	CHG	-0.5064
Gm04	5187171	5187397	Gmdrm	hypo	CHG	-0.5789
Gm04	5215785	5216230	Gmdrm	hypo	CHG	-0.4558
Gm04	5216340	5216561	Gmdrm	hypo	CHG	-0.14
Gm04	5217355	5217576	Gmdrm	hypo	CHG	-0.8589
Gm04	5241392	5241815	Gmdrm	hypo	CHG	-0.0966
Gm04	5252727	5252844	Gmdrm	hypo	CHG	-0.724
Gm04	5260745	5260860	Gmdrm	hypo	CHG	-0.05
Gm04	5282713	5282911	Gmdrm	hypo	CHG	-0.0433
Gm04	5317987	5318181	Gmdrm	hypo	CHG	-0.8315
Gm04	5318420	5318609	Gmdrm	hypo	CHG	-0.8309
Gm04	5327860	5327962	Gmdrm	hypo	CHG	-0.8784
Gm04	5328103	5328230	Gmdrm	hypo	CHG	-0.6099
Gm04	5328958	5329168	Gmdrm	hypo	CHG	-0.0783
Gm04	5330777	5331016	Gmdrm	hypo	CHG	-0.035
Gm04	5336030	5336347	Gmdrm	hypo	CHG	-0.0633
Gm04	5336664	5336909	Gmdrm	hypo	CHG	-0.0375
Gm04	5342958	5343068	Gmdrm	hypo	CHG	-0.042
Gm04	5375155	5375200	Gmdrm	hypo	CHG	-0.74
Gm04	5375312	5375377	Gmdrm	hypo	CHG	-0.6288
Gm04	5380772	5381027	Gmdrm	hypo	CHG	-0.0414
Gm04	5385193	5385271	Gmdrm	hypo	CHG	-0.3816
Gm04	5387490	5387648	Gmdrm	hypo	CHG	-0.8115
Gm04	5388006	5388128	Gmdrm	hypo	CHG	-0.56
Gm04	5388836	5389034	Gmdrm	hypo	CHG	-0.8963
Gm04	5397711	5398082	Gmdrm	hypo	CHG	-0.6507
Gm04	5419126	5419265	Gmdrm	hypo	CHG	-0.538
Gm04	5419375	5419548	Gmdrm	hypo	CHG	-0.7017
Gm04	5420215	5420382	Gmdrm	hypo	CHG	-0.15

Gm04	5421193	5421418 Gmdrm	hypo	CHG	-0.6137
Gm04	5442291	5442584 Gmdrm	hypo	CHG	-0.5407
Gm04	5442750	5442966 Gmdrm	hypo	CHG	-0.6166
Gm04	5447498	5447924 Gmdrm	hypo	CHG	-0.3091
Gm04	5476541	5476731 Gmdrm	hypo	CHG	-0.651
Gm04	5478219	5478287 Gmdrm	hypo	CHG	-0.5214
Gm04	5479030	5479200 Gmdrm	hypo	CHG	-0.1015
Gm04	5481640	5481922 Gmdrm	hypo	CHG	-0.0391
Gm04	5483149	5483427 Gmdrm	hypo	CHG	-0.0914
Gm04	5486221	5486308 Gmdrm	hypo	CHG	-0.2017
Gm04	5487017	5487162 Gmdrm	hypo	CHG	-0.546
Gm04	5490286	5490479 Gmdrm	hypo	CHG	-0.0593
Gm04	5495914	5496318 Gmdrm	hypo	CHG	-0.3241
Gm04	5502118	5502318 Gmdrm	hypo	CHG	-0.076
Gm04	5526394	5526482 Gmdrm	hypo	CHG	-0.112
Gm04	5531858	5532110 Gmdrm	hypo	CHG	-0.7733
Gm04	5535655	5535930 Gmdrm	hypo	CHG	-0.7534
Gm04	5536087	5536328 Gmdrm	hypo	CHG	-0.82
Gm04	5536463	5536534 Gmdrm	hypo	CHG	-0.59
Gm04	5540515	5540684 Gmdrm	hypo	CHG	-0.905
Gm04	5541051	5541159 Gmdrm	hypo	CHG	-0.8274
Gm04	5545186	5545431 Gmdrm	hypo	CHG	-0.27
Gm04	5559442	5559544 Gmdrm	hypo	CHG	-0.4017
Gm04	5561092	5561189 Gmdrm	hypo	CHG	-0.305
Gm04	5561411	5561603 Gmdrm	hypo	CHG	-0.068
Gm04	5580597	5581104 Gmdrm	hypo	CHG	-0.5276
Gm04	5587773	5588152 Gmdrm	hypo	CHG	-0.87
Gm04	5592924	5593052 Gmdrm	hypo	CHG	-0.034
Gm04	5599732	5600041 Gmdrm	hypo	CHG	-0.055
Gm04	5602992	5603523 Gmdrm	hypo	CHG	-0.7747
Gm04	5606319	5606448 Gmdrm	hypo	CHG	-0.5445
Gm04	5606658	5607186 Gmdrm	hypo	CHG	-0.6145
Gm04	5620888	5621026 Gmdrm	hypo	CHG	-0.5309
Gm04	5637880	5637953 Gmdrm	hypo	CHG	-0.2643
Gm04	5652831	5652921 Gmdrm	hypo	CHG	-0.485
Gm04	5653480	5653589 Gmdrm	hypo	CHG	-0.3434
Gm04	5658202	5658341 Gmdrm	hypo	CHG	-0.5656
Gm04	5666164	5666367 Gmdrm	hypo	CHG	-0.4468
Gm04	5682029	5682240 Gmdrm	hypo	CHG	-0.06
Gm04	5684819	5685084 Gmdrm	hypo	CHG	-0.0675
Gm04	5722568	5722774 Gmdrm	hypo	CHG	-0.1288
Gm04	5727519	5727552 Gmdrm	hypo	CHG	-0.052
Gm04	5731433	5731547 Gmdrm	hypo	CHG	-0.56
Gm04	5733660	5733760 Gmdrm	hypo	CHG	-0.7071
Gm04	5733911	5734063 Gmdrm	hypo	CHG	-0.2508
Gm04	5734215	5734511 Gmdrm	hypo	CHG	-0.35

Gm04	5735110	5735483	Gmdrm	hypo	CHG	-0.246
Gm04	5752784	5752878	Gmdrm	hypo	CHG	-0.8567
Gm04	5760246	5760456	Gmdrm	hypo	CHG	-0.1174
Gm04	5761976	5762081	Gmdrm	hypo	CHG	-0.4322
Gm04	5785706	5785809	Gmdrm	hypo	CHG	-0.0712
Gm04	5792616	5792712	Gmdrm	hypo	CHG	-0.5086
Gm04	5823148	5823203	Gmdrm	hypo	CHG	-0.6417
Gm04	5825540	5825933	Gmdrm	hypo	CHG	-0.0836
Gm04	5827023	5827125	Gmdrm	hypo	CHG	-0.032
Gm04	5830421	5830814	Gmdrm	hypo	CHG	-0.252
Gm04	5830974	5831143	Gmdrm	hypo	CHG	-0.8891
Gm04	5849575	5850330	Gmdrm	hypo	CHG	-0.35
Gm04	5851612	5851657	Gmdrm	hypo	CHG	-0.9286
Gm04	5874953	5875035	Gmdrm	hypo	CHG	-0.4117
Gm04	5875197	5875441	Gmdrm	hypo	CHG	-0.2523
Gm04	5881688	5882070	Gmdrm	hypo	CHG	-0.3482
Gm04	5896813	5897073	Gmdrm	hypo	CHG	-0.2647
Gm04	5902249	5902486	Gmdrm	hypo	CHG	-0.0245
Gm04	5925945	5926136	Gmdrm	hypo	CHG	-0.034
Gm04	5988746	5988994	Gmdrm	hypo	CHG	-0.8892
Gm04	5993510	5993606	Gmdrm	hypo	CHG	-0.5929
Gm04	5994763	5994886	Gmdrm	hypo	CHG	-0.19
Gm04	5995176	5995196	Gmdrm	hypo	CHG	-0.08
Gm04	6002923	6003010	Gmdrm	hypo	CHG	-0.8421
Gm04	6003206	6003386	Gmdrm	hypo	CHG	-0.7143
Gm04	6031881	6031953	Gmdrm	hypo	CHG	-0.0913
Gm04	6035240	6035580	Gmdrm	hypo	CHG	-0.0467
Gm04	6042386	6042469	Gmdrm	hypo	CHG	-0.422
Gm04	6063082	6063394	Gmdrm	hypo	CHG	-0.1067
Gm04	6072857	6073149	Gmdrm	hypo	CHG	-0.7533
Gm04	6073484	6074186	Gmdrm	hypo	CHG	-0.6759
Gm04	6079673	6079716	Gmdrm	hypo	CHG	-0.03
Gm04	6084461	6084525	Gmdrm	hypo	CHG	-0.1166
Gm04	6084636	6084732	Gmdrm	hypo	CHG	-0.1067
Gm04	6098140	6098485	Gmdrm	hypo	CHG	-0.296
Gm04	6107335	6107503	Gmdrm	hypo	CHG	-0.0614
Gm04	6117329	6117545	Gmdrm	hypo	CHG	-0.6217
Gm04	6120298	6120372	Gmdrm	hypo	CHG	-0.6637
Gm04	6129441	6129830	Gmdrm	hypo	CHG	-0.8658
Gm04	6130819	6131246	Gmdrm	hypo	CHG	-0.5
Gm04	6131901	6132341	Gmdrm	hypo	CHG	-0.675
Gm04	6150160	6150209	Gmdrm	hypo	CHG	-0.8517
Gm04	6193052	6193417	Gmdrm	hypo	CHG	-0.4242
Gm04	6207963	6208080	Gmdrm	hypo	CHG	-0.2272
Gm04	6218160	6218291	Gmdrm	hypo	CHG	-0.542
Gm04	6226942	6227090	Gmdrm	hypo	CHG	-0.22

Gm04	6227264	6227360	Gmdrm	hypo	CHG	-0.506
Gm04	6227476	6227653	Gmdrm	hypo	CHG	-0.3525
Gm04	6228237	6228274	Gmdrm	hypo	CHG	-0.3362
Gm04	6228532	6228641	Gmdrm	hypo	CHG	-0.508
Gm04	6231825	6232156	Gmdrm	hypo	CHG	-0.7786
Gm04	6244824	6244875	Gmdrm	hypo	CHG	-0.63
Gm04	6303571	6303886	Gmdrm	hypo	CHG	-0.0367
Gm04	6309460	6309764	Gmdrm	hypo	CHG	-0.6146
Gm04	6311774	6311909	Gmdrm	hypo	CHG	-0.2663
Gm04	6320689	6321081	Gmdrm	hypo	CHG	-0.2933
Gm04	6341370	6341413	Gmdrm	hypo	CHG	-0.8337
Gm04	6352513	6352846	Gmdrm	hypo	CHG	-0.6264
Gm04	6363600	6364048	Gmdrm	hypo	CHG	-0.1803
Gm04	6380257	6380278	Gmdrm	hypo	CHG	-0.29
Gm04	6381429	6381504	Gmdrm	hypo	CHG	-0.348
Gm04	6381619	6381718	Gmdrm	hypo	CHG	-0.5656
Gm04	6382294	6382371	Gmdrm	hypo	CHG	-0.452
Gm04	6404790	6405009	Gmdrm	hypo	CHG	-0.8236
Gm04	6405214	6405316	Gmdrm	hypo	CHG	-0.638
Gm04	6412968	6413092	Gmdrm	hypo	CHG	-0.0615
Gm04	6413284	6413377	Gmdrm	hypo	CHG	-0.12
Gm04	6423502	6423570	Gmdrm	hypo	CHG	-0.0917
Gm04	6430475	6430615	Gmdrm	hypo	CHG	-0.6445
Gm04	6444003	6444186	Gmdrm	hypo	CHG	-0.0483
Gm04	6448223	6448506	Gmdrm	hypo	CHG	-0.7308
Gm04	6457506	6457685	Gmdrm	hypo	CHG	-0.0428
Gm04	6465040	6465115	Gmdrm	hypo	CHG	-0.69
Gm04	6473654	6473775	Gmdrm	hypo	CHG	-0.7238
Gm04	6473911	6474059	Gmdrm	hypo	CHG	-0.9529
Gm04	6474195	6474384	Gmdrm	hypo	CHG	-0.8083
Gm04	6483547	6483644	Gmdrm	hypo	CHG	-0.7433
Gm04	6483810	6483924	Gmdrm	hypo	CHG	-0.785
Gm04	6492506	6492636	Gmdrm	hypo	CHG	-0.5433
Gm04	6495728	6496012	Gmdrm	hypo	CHG	-0.0322
Gm04	6503292	6503620	Gmdrm	hypo	CHG	-0.3028
Gm04	6508616	6509027	Gmdrm	hypo	CHG	-0.8495
Gm04	6527587	6527627	Gmdrm	hypo	CHG	-0.58
Gm04	6541868	6542499	Gmdrm	hypo	CHG	-0.2549
Gm04	6543953	6544364	Gmdrm	hypo	CHG	-0.1691
Gm04	6565160	6565272	Gmdrm	hypo	CHG	-0.546
Gm04	6565760	6565793	Gmdrm	hypo	CHG	-0.8383
Gm04	6594412	6594539	Gmdrm	hypo	CHG	-0.0767
Gm04	6611929	6612318	Gmdrm	hypo	CHG	-0.0523
Gm04	6617755	6617928	Gmdrm	hypo	CHG	-0.8118
Gm04	6633703	6634010	Gmdrm	hypo	CHG	-0.047
Gm04	6634857	6634942	Gmdrm	hypo	CHG	-0.8527

Gm04	6635182	6635318	Gmdrm	hypo	CHG	-0.7078
Gm04	6637016	6637274	Gmdrm	hypo	CHG	-0.0429
Gm04	6647003	6647199	Gmdrm	hypo	CHG	-0.4623
Gm04	6649393	6649473	Gmdrm	hypo	CHG	-0.335
Gm04	6657619	6657759	Gmdrm	hypo	CHG	-0.1386
Gm04	6684290	6684429	Gmdrm	hypo	CHG	-0.0514
Gm04	6689413	6689963	Gmdrm	hypo	CHG	-0.2797
Gm04	6705040	6705287	Gmdrm	hypo	CHG	-0.269
Gm04	6738992	6739019	Gmdrm	hypo	CHG	-0.08
Gm04	6762220	6762297	Gmdrm	hypo	CHG	-0.8233
Gm04	6776195	6776286	Gmdrm	hypo	CHG	-0.6283
Gm04	6776404	6776455	Gmdrm	hypo	CHG	-0.4583
Gm04	6779142	6779272	Gmdrm	hypo	CHG	-0.35
Gm04	6789532	6789796	Gmdrm	hypo	CHG	-0.0882
Gm04	6801433	6802055	Gmdrm	hypo	CHG	-0.3639
Gm04	6802177	6802306	Gmdrm	hypo	CHG	-0.6684
Gm04	6809232	6809349	Gmdrm	hypo	CHG	-0.676
Gm04	6823183	6823512	Gmdrm	hypo	CHG	-0.2795
Gm04	6827632	6827751	Gmdrm	hypo	CHG	-0.3387
Gm04	6828789	6829735	Gmdrm	hypo	CHG	-0.1733
Gm04	6841165	6841384	Gmdrm	hypo	CHG	-0.72
Gm04	6841645	6841750	Gmdrm	hypo	CHG	-0.9135
Gm04	6843243	6843388	Gmdrm	hypo	CHG	-0.6563
Gm04	6845021	6845269	Gmdrm	hypo	CHG	-0.3032
Gm04	6845685	6845851	Gmdrm	hypo	CHG	-0.5891
Gm04	6845972	6846087	Gmdrm	hypo	CHG	-0.53
Gm04	6854374	6854569	Gmdrm	hypo	CHG	-0.3754
Gm04	6855399	6855627	Gmdrm	hypo	CHG	-0.377
Gm04	6856040	6856142	Gmdrm	hypo	CHG	-0.5383
Gm04	6900528	6900657	Gmdrm	hypo	CHG	-0.3064
Gm04	6900864	6901243	Gmdrm	hypo	CHG	-0.3427
Gm04	6903836	6904001	Gmdrm	hypo	CHG	-0.398
Gm04	6911145	6911359	Gmdrm	hypo	CHG	-0.038
Gm04	6917140	6917576	Gmdrm	hypo	CHG	-0.4086
Gm04	6923606	6923698	Gmdrm	hypo	CHG	-0.23
Gm04	6960678	6960797	Gmdrm	hypo	CHG	-0.4266
Gm04	6961019	6961125	Gmdrm	hypo	CHG	-0.4467
Gm04	6971299	6971322	Gmdrm	hypo	CHG	-0.0533
Gm04	6974437	6974693	Gmdrm	hypo	CHG	-0.0533
Gm04	6994467	6994611	Gmdrm	hypo	CHG	-0.752
Gm04	7007443	7008176	Gmdrm	hypo	CHG	-0.3957
Gm04	7014116	7014459	Gmdrm	hypo	CHG	-0.69
Gm04	7025446	7025490	Gmdrm	hypo	CHG	-0.552
Gm04	7025661	7025771	Gmdrm	hypo	CHG	-0.4957
Gm04	7034905	7035141	Gmdrm	hypo	CHG	-0.477
Gm04	7035345	7035590	Gmdrm	hypo	CHG	-0.2377

Gm04	7036646	7036838	Gmdrm	hypo	CHG	-0.629
Gm04	7037184	7037477	Gmdrm	hypo	CHG	-0.1732
Gm04	7057870	7058078	Gmdrm	hypo	CHG	-0.046
Gm04	7074584	7074746	Gmdrm	hypo	CHG	-0.05
Gm04	7089946	7090204	Gmdrm	hypo	CHG	-0.7814
Gm04	7096805	7096976	Gmdrm	hypo	CHG	-0.367
Gm04	7102775	7103354	Gmdrm	hypo	CHG	-0.3242
Gm04	7109476	7109986	Gmdrm	hypo	CHG	-0.7195
Gm04	7145442	7145642	Gmdrm	hypo	CHG	-0.7575
Gm04	7168858	7168888	Gmdrm	hypo	CHG	-0.2816
Gm04	7175506	7175602	Gmdrm	hypo	CHG	-0.738
Gm04	7189733	7189837	Gmdrm	hypo	CHG	-0.83
Gm04	7190013	7190271	Gmdrm	hypo	CHG	-0.1596
Gm04	7194075	7194252	Gmdrm	hypo	CHG	-0.5683
Gm04	7195823	7196270	Gmdrm	hypo	CHG	-0.3446
Gm04	7201858	7201922	Gmdrm	hypo	CHG	-0.6051
Gm04	7202615	7202856	Gmdrm	hypo	CHG	-0.034
Gm04	7219608	7219763	Gmdrm	hypo	CHG	-0.0375
Gm04	7225982	7226155	Gmdrm	hypo	CHG	-0.8133
Gm04	7226275	7226452	Gmdrm	hypo	CHG	-0.59
Gm04	7229182	7229398	Gmdrm	hypo	CHG	-0.084
Gm04	7233755	7233981	Gmdrm	hypo	CHG	-0.4633
Gm04	7234880	7234947	Gmdrm	hypo	CHG	-0.0874
Gm04	7249195	7249733	Gmdrm	hypo	CHG	-0.2209
Gm04	7265245	7265811	Gmdrm	hypo	CHG	-0.2041
Gm04	7272505	7272614	Gmdrm	hypo	CHG	-0.036
Gm04	7289789	7290194	Gmdrm	hypo	CHG	-0.7826
Gm04	7311446	7311735	Gmdrm	hypo	CHG	-0.0313
Gm04	7328823	7329165	Gmdrm	hypo	CHG	-0.0423
Gm04	7336000	7336081	Gmdrm	hypo	CHG	-0.062
Gm04	7336208	7336240	Gmdrm	hypo	CHG	-0.1329
Gm04	7350012	7350109	Gmdrm	hypo	CHG	-0.13
Gm04	7352078	7352112	Gmdrm	hypo	CHG	-0.544
Gm04	7353131	7353548	Gmdrm	hypo	CHG	-0.5007
Gm04	7369711	7369915	Gmdrm	hypo	CHG	-0.2809
Gm04	7406534	7406566	Gmdrm	hypo	CHG	-0.934
Gm04	7406720	7406993	Gmdrm	hypo	CHG	-0.6213
Gm04	7410209	7410359	Gmdrm	hypo	CHG	-0.0514
Gm04	7433025	7433511	Gmdrm	hypo	CHG	-0.0372
Gm04	7450774	7450870	Gmdrm	hypo	CHG	-0.0534
Gm04	7458797	7458993	Gmdrm	hypo	CHG	-0.0357
Gm04	7462431	7462530	Gmdrm	hypo	CHG	-0.8017
Gm04	7464962	7464997	Gmdrm	hypo	CHG	-0.715
Gm04	7465203	7465301	Gmdrm	hypo	CHG	-0.7866
Gm04	7465492	7466115	Gmdrm	hypo	CHG	-0.611
Gm04	7472571	7473363	Gmdrm	hypo	CHG	-0.1906

Gm04	7482938	7482999	Gmdrm	hypo	CHG	-0.6625
Gm04	7483609	7483818	Gmdrm	hypo	CHG	-0.3681
Gm04	7490376	7490527	Gmdrm	hypo	CHG	-0.7667
Gm04	7502289	7502630	Gmdrm	hypo	CHG	-0.308
Gm04	7515258	7515388	Gmdrm	hypo	CHG	-0.57
Gm04	7530473	7530702	Gmdrm	hypo	CHG	-0.3139
Gm04	7535499	7535618	Gmdrm	hypo	CHG	-0.7014
Gm04	7535828	7535918	Gmdrm	hypo	CHG	-0.2775
Gm04	7552074	7552335	Gmdrm	hypo	CHG	-0.8815
Gm04	7554213	7554568	Gmdrm	hypo	CHG	-0.219
Gm04	7568869	7569104	Gmdrm	hypo	CHG	-0.04
Gm04	7572946	7573206	Gmdrm	hypo	CHG	-0.6236
Gm04	7573604	7573653	Gmdrm	hypo	CHG	-0.408
Gm04	7575740	7576035	Gmdrm	hypo	CHG	-0.6888
Gm04	7587617	7587779	Gmdrm	hypo	CHG	-0.8446
Gm04	7587958	7588155	Gmdrm	hypo	CHG	-0.395
Gm04	7605555	7605959	Gmdrm	hypo	CHG	-0.6524
Gm04	7624290	7624469	Gmdrm	hypo	CHG	-0.2785
Gm04	7637309	7637389	Gmdrm	hypo	CHG	-0.8812
Gm04	7637751	7638031	Gmdrm	hypo	CHG	-0.4119
Gm04	7639800	7639972	Gmdrm	hypo	CHG	-0.5572
Gm04	7640313	7640691	Gmdrm	hypo	CHG	-0.2775
Gm04	7640956	7641200	Gmdrm	hypo	CHG	-0.371
Gm04	7641845	7641975	Gmdrm	hypo	CHG	-0.062
Gm04	7647434	7647611	Gmdrm	hypo	CHG	-0.036
Gm04	7652804	7652981	Gmdrm	hypo	CHG	-0.81
Gm04	7653912	7654194	Gmdrm	hypo	CHG	-0.5707
Gm04	7658112	7658491	Gmdrm	hypo	CHG	-0.4953
Gm04	7659514	7659723	Gmdrm	hypo	CHG	-0.04
Gm04	7661699	7661942	Gmdrm	hypo	CHG	-0.6963
Gm04	7664796	7665026	Gmdrm	hypo	CHG	-0.575
Gm04	7682700	7682961	Gmdrm	hypo	CHG	-0.527
Gm04	7713394	7713477	Gmdrm	hypo	CHG	-0.104
Gm04	7718203	7718713	Gmdrm	hypo	CHG	-0.2457
Gm04	7730129	7730246	Gmdrm	hypo	CHG	-0.634
Gm04	7731062	7731108	Gmdrm	hypo	CHG	-0.6183
Gm04	7733730	7734124	Gmdrm	hypo	CHG	-0.7732
Gm04	7735223	7735685	Gmdrm	hypo	CHG	-0.3516
Gm04	7747504	7747523	Gmdrm	hypo	CHG	-0.4433
Gm04	7747764	7747811	Gmdrm	hypo	CHG	-0.18
Gm04	7748953	7749058	Gmdrm	hypo	CHG	-0.4413
Gm04	7759050	7759292	Gmdrm	hypo	CHG	-0.04
Gm04	7762026	7762239	Gmdrm	hypo	CHG	-0.5528
Gm04	7804280	7804777	Gmdrm	hypo	CHG	-0.2437
Gm04	7804911	7805002	Gmdrm	hypo	CHG	-0.778
Gm04	7808771	7808935	Gmdrm	hypo	CHG	-0.483

Gm04	7813603	7813790 Gmdrm	hypo	CHG	-0.428
Gm04	7823632	7823801 Gmdrm	hypo	CHG	-0.4729
Gm04	7824063	7824695 Gmdrm	hypo	CHG	-0.3843
Gm04	7827066	7827371 Gmdrm	hypo	CHG	-0.2754
Gm04	7836543	7836660 Gmdrm	hypo	CHG	-0.6422
Gm04	7845210	7845301 Gmdrm	hypo	CHG	-0.68
Gm04	7845422	7845540 Gmdrm	hypo	CHG	-0.83
Gm04	7856059	7856129 Gmdrm	hypo	CHG	-0.8283
Gm04	7860187	7860312 Gmdrm	hypo	CHG	-0.7871
Gm04	7868836	7869111 Gmdrm	hypo	CHG	-0.0444
Gm04	7869496	7869649 Gmdrm	hypo	CHG	-0.3033
Gm04	7879393	7879507 Gmdrm	hypo	CHG	-0.546
Gm04	7879621	7879949 Gmdrm	hypo	CHG	-0.4131
Gm04	7880086	7880146 Gmdrm	hypo	CHG	-0.31
Gm04	7880396	7880517 Gmdrm	hypo	CHG	-0.5251
Gm04	7880858	7880890 Gmdrm	hypo	CHG	-0.2383
Gm04	7916621	7916745 Gmdrm	hypo	CHG	-0.6114
Gm04	7918696	7918875 Gmdrm	hypo	CHG	-0.0367
Gm04	7922637	7922728 Gmdrm	hypo	CHG	-0.82
Gm04	7922845	7922964 Gmdrm	hypo	CHG	-0.3837
Gm04	7949271	7949468 Gmdrm	hypo	CHG	-0.034
Gm04	7949863	7949935 Gmdrm	hypo	CHG	-0.8017
Gm04	7979578	7979810 Gmdrm	hypo	CHG	-0.0471
Gm04	7980182	7980349 Gmdrm	hypo	CHG	-0.05
Gm04	7989304	7989474 Gmdrm	hypo	CHG	-0.074
Gm04	7997982	7998346 Gmdrm	hypo	CHG	-0.3209
Gm04	7998728	7998911 Gmdrm	hypo	CHG	-0.6643
Gm04	7999029	7999247 Gmdrm	hypo	CHG	-0.2164
Gm04	8021412	8021659 Gmdrm	hypo	CHG	-0.594
Gm04	8029849	8030059 Gmdrm	hypo	CHG	-0.056
Gm04	8081061	8081218 Gmdrm	hypo	CHG	-0.798
Gm04	8082584	8082662 Gmdrm	hypo	CHG	-0.7386
Gm04	8099422	8099958 Gmdrm	hypo	CHG	-0.1777
Gm04	8114064	8114206 Gmdrm	hypo	CHG	-0.8731
Gm04	8115488	8115737 Gmdrm	hypo	CHG	-0.029
Gm04	8123315	8123871 Gmdrm	hypo	CHG	-0.56
Gm04	8146977	8147335 Gmdrm	hypo	CHG	-0.4377
Gm04	8171887	8172384 Gmdrm	hypo	CHG	-0.2082
Gm04	8203170	8203992 Gmdrm	hypo	CHG	-0.1896
Gm04	8206740	8206858 Gmdrm	hypo	CHG	-0.0512
Gm04	8209373	8209498 Gmdrm	hypo	CHG	-0.038
Gm04	8210524	8210655 Gmdrm	hypo	CHG	-0.8534
Gm04	8210885	8210912 Gmdrm	hypo	CHG	-0.875
Gm04	8211439	8211516 Gmdrm	hypo	CHG	-0.1683
Gm04	8213253	8213357 Gmdrm	hypo	CHG	-0.0355
Gm04	8218834	8219094 Gmdrm	hypo	CHG	-0.0688

Gm04	8219287	8219586	Gmdrm	hypo	CHG	-0.1889
Gm04	8220813	8221299	Gmdrm	hypo	CHG	-0.2329
Gm04	8221416	8222399	Gmdrm	hypo	CHG	-0.4344
Gm04	8228959	8229324	Gmdrm	hypo	CHG	-0.0475
Gm04	8230718	8230742	Gmdrm	hypo	CHG	-0.0314
Gm04	8245190	8245463	Gmdrm	hypo	CHG	-0.8577
Gm04	8267868	8268023	Gmdrm	hypo	CHG	-0.4014
Gm04	8269429	8269621	Gmdrm	hypo	CHG	-0.4582
Gm04	8269726	8270062	Gmdrm	hypo	CHG	-0.4279
Gm04	8291338	8291761	Gmdrm	hypo	CHG	-0.4994
Gm04	8298972	8299048	Gmdrm	hypo	CHG	-0.088
Gm04	8311741	8312144	Gmdrm	hypo	CHG	-0.206
Gm04	8317659	8318619	Gmdrm	hypo	CHG	-0.2509
Gm04	8326978	8327110	Gmdrm	hypo	CHG	-0.0733
Gm04	8327671	8327856	Gmdrm	hypo	CHG	-0.6763
Gm04	8353288	8353591	Gmdrm	hypo	CHG	-0.301
Gm04	8364863	8364973	Gmdrm	hypo	CHG	-0.358
Gm04	8417768	8417968	Gmdrm	hypo	CHG	-0.435
Gm04	8418098	8418317	Gmdrm	hypo	CHG	-0.718
Gm04	8418524	8418626	Gmdrm	hypo	CHG	-0.935
Gm04	8418867	8418937	Gmdrm	hypo	CHG	-0.08
Gm04	8425256	8425391	Gmdrm	hypo	CHG	-0.18
Gm04	8428096	8428455	Gmdrm	hypo	CHG	-0.5223
Gm04	8430257	8430466	Gmdrm	hypo	CHG	-0.1373
Gm04	8431367	8431415	Gmdrm	hypo	CHG	-0.526
Gm04	8438871	8439171	Gmdrm	hypo	CHG	-0.3362
Gm04	8439311	8439430	Gmdrm	hypo	CHG	-0.495
Gm04	8446276	8446644	Gmdrm	hypo	CHG	-0.4025
Gm04	8461763	8461932	Gmdrm	hypo	CHG	-0.034
Gm04	8474006	8474190	Gmdrm	hypo	CHG	-0.688
Gm04	8474294	8474315	Gmdrm	hypo	CHG	-0.8633
Gm04	8478799	8478903	Gmdrm	hypo	CHG	-0.688
Gm04	8495359	8495750	Gmdrm	hypo	CHG	-0.6143
Gm04	8495852	8495975	Gmdrm	hypo	CHG	-0.9133
Gm04	8496503	8496787	Gmdrm	hypo	CHG	-0.3745
Gm04	8507386	8507463	Gmdrm	hypo	CHG	-0.6734
Gm04	8516994	8517115	Gmdrm	hypo	CHG	-0.076
Gm04	8531119	8531558	Gmdrm	hypo	CHG	-0.4473
Gm04	8531670	8532151	Gmdrm	hypo	CHG	-0.2164
Gm04	8546749	8546992	Gmdrm	hypo	CHG	-0.3599
Gm04	8555589	8556062	Gmdrm	hypo	CHG	-0.1304
Gm04	8572212	8573160	Gmdrm	hypo	CHG	-0.3765
Gm04	8573265	8573789	Gmdrm	hypo	CHG	-0.305
Gm04	8592464	8593451	Gmdrm	hypo	CHG	-0.2986
Gm04	8594229	8594835	Gmdrm	hypo	CHG	-0.1288
Gm04	8600195	8600484	Gmdrm	hypo	CHG	-0.4758

Gm04	8614539	8614781	Gmdrm	hypo	CHG	-0.846
Gm04	8645731	8645923	Gmdrm	hypo	CHG	-0.4066
Gm04	8674570	8674673	Gmdrm	hypo	CHG	-0.6033
Gm04	8685159	8685305	Gmdrm	hypo	CHG	-0.1175
Gm04	8694417	8694675	Gmdrm	hypo	CHG	-0.0411
Gm04	8706101	8706445	Gmdrm	hypo	CHG	-0.1142
Gm04	8724133	8724303	Gmdrm	hypo	CHG	-0.8318
Gm04	8736460	8737166	Gmdrm	hypo	CHG	-0.0869
Gm04	8749292	8749466	Gmdrm	hypo	CHG	-0.0918
Gm04	8749712	8750695	Gmdrm	hypo	CHG	-0.3306
Gm04	8750717	8751688	Gmdrm	hypo	CHG	-0.368
Gm04	8751731	8752704	Gmdrm	hypo	CHG	-0.2123
Gm04	8758257	8758542	Gmdrm	hypo	CHG	-0.042
Gm04	8764929	8765591	Gmdrm	hypo	CHG	-0.035
Gm04	8771338	8771597	Gmdrm	hypo	CHG	-0.053
Gm04	8791040	8791120	Gmdrm	hypo	CHG	-0.79
Gm04	8791380	8791760	Gmdrm	hypo	CHG	-0.7464
Gm04	8794229	8794406	Gmdrm	hypo	CHG	-0.6644
Gm04	8800577	8800684	Gmdrm	hypo	CHG	-0.044
Gm04	8804366	8804605	Gmdrm	hypo	CHG	-0.8778
Gm04	8809021	8809099	Gmdrm	hypo	CHG	-0.8257
Gm04	8810199	8810369	Gmdrm	hypo	CHG	-0.8694
Gm04	8810494	8810545	Gmdrm	hypo	CHG	-0.7828
Gm04	8811773	8812194	Gmdrm	hypo	CHG	-0.2325
Gm04	8817541	8817562	Gmdrm	hypo	CHG	-0.8717
Gm04	8828007	8828563	Gmdrm	hypo	CHG	-0.4245
Gm04	8828848	8829092	Gmdrm	hypo	CHG	-0.825
Gm04	8837824	8837918	Gmdrm	hypo	CHG	-0.7989
Gm04	8838034	8838070	Gmdrm	hypo	CHG	-0.96
Gm04	8842278	8842421	Gmdrm	hypo	CHG	-0.5617
Gm04	8842626	8842724	Gmdrm	hypo	CHG	-0.1233
Gm04	8847344	8847644	Gmdrm	hypo	CHG	-0.7311
Gm04	8850650	8851073	Gmdrm	hypo	CHG	-0.32
Gm04	8878729	8878967	Gmdrm	hypo	CHG	-0.3623
Gm04	8886409	8886540	Gmdrm	hypo	CHG	-0.5328
Gm04	8887507	8887777	Gmdrm	hypo	CHG	-0.671
Gm04	8891356	8891406	Gmdrm	hypo	CHG	-0.025
Gm04	8893927	8894217	Gmdrm	hypo	CHG	-0.2029
Gm04	8905115	8905374	Gmdrm	hypo	CHG	-0.4789
Gm04	8908618	8908762	Gmdrm	hypo	CHG	-0.2653
Gm04	8908923	8909204	Gmdrm	hypo	CHG	-0.2225
Gm04	8910749	8911119	Gmdrm	hypo	CHG	-0.458
Gm04	8920737	8921480	Gmdrm	hypo	CHG	-0.3942
Gm04	8960193	8960541	Gmdrm	hypo	CHG	-0.3033
Gm04	8976357	8976686	Gmdrm	hypo	CHG	-0.0875
Gm04	8976804	8976887	Gmdrm	hypo	CHG	-0.24

Gm04	8984155	8984391	Gmdrm	hypo	CHG	-0.3199
Gm04	8984548	8985545	Gmdrm	hypo	CHG	-0.1122
Gm04	8986307	8987183	Gmdrm	hypo	CHG	-0.3131
Gm04	8987397	8987483	Gmdrm	hypo	CHG	-0.4914
Gm04	8987789	8988726	Gmdrm	hypo	CHG	-0.1754
Gm04	8995783	8996064	Gmdrm	hypo	CHG	-0.6668
Gm04	8996303	8996353	Gmdrm	hypo	CHG	-0.662
Gm04	8996920	8997423	Gmdrm	hypo	CHG	-0.2452
Gm04	8998037	8998309	Gmdrm	hypo	CHG	-0.4427
Gm04	9002120	9002206	Gmdrm	hypo	CHG	-0.5934
Gm04	9002504	9002735	Gmdrm	hypo	CHG	-0.3012
Gm04	9011535	9011658	Gmdrm	hypo	CHG	-0.0333
Gm04	9035901	9036395	Gmdrm	hypo	CHG	-0.2806
Gm04	9047664	9047946	Gmdrm	hypo	CHG	-0.8233
Gm04	9080298	9080358	Gmdrm	hypo	CHG	-0.04
Gm04	9083167	9083479	Gmdrm	hypo	CHG	-0.6736
Gm04	9083721	9083857	Gmdrm	hypo	CHG	-0.7811
Gm04	9083963	9084200	Gmdrm	hypo	CHG	-0.5911
Gm04	9090111	9090200	Gmdrm	hypo	CHG	-0.2084
Gm04	9098825	9099028	Gmdrm	hypo	CHG	-0.0429
Gm04	9101624	9102330	Gmdrm	hypo	CHG	-0.1682
Gm04	9112874	9113116	Gmdrm	hypo	CHG	-0.0354
Gm04	9156554	9156684	Gmdrm	hypo	CHG	-0.5616
Gm04	9162762	9162860	Gmdrm	hypo	CHG	-0.351
Gm04	9171272	9171470	Gmdrm	hypo	CHG	-0.0458
Gm04	9181449	9182341	Gmdrm	hypo	CHG	-0.2698
Gm04	9193527	9193775	Gmdrm	hypo	CHG	-0.4635
Gm04	9196652	9196664	Gmdrm	hypo	CHG	-0.4767
Gm04	9219100	9219143	Gmdrm	hypo	CHG	-0.8867
Gm04	9241145	9241276	Gmdrm	hypo	CHG	-0.705
Gm04	9272001	9272216	Gmdrm	hypo	CHG	-0.0688
Gm04	9313599	9313729	Gmdrm	hypo	CHG	-0.3566
Gm04	9314532	9314844	Gmdrm	hypo	CHG	-0.7806
Gm04	9322532	9322779	Gmdrm	hypo	CHG	-0.098
Gm04	9366488	9366656	Gmdrm	hypo	CHG	-0.337
Gm04	9374997	9375087	Gmdrm	hypo	CHG	-0.38
Gm04	9392265	9392273	Gmdrm	hypo	CHG	-0.704
Gm04	9401612	9401645	Gmdrm	hypo	CHG	-0.1736
Gm04	9411998	9412032	Gmdrm	hypo	CHG	-0.69
Gm04	9412404	9412521	Gmdrm	hypo	CHG	-0.5015
Gm04	9421659	9421992	Gmdrm	hypo	CHG	-0.378
Gm04	9425621	9425797	Gmdrm	hypo	CHG	-0.1078
Gm04	9426022	9426131	Gmdrm	hypo	CHG	-0.2866
Gm04	9435734	9435797	Gmdrm	hypo	CHG	-0.6583
Gm04	9435906	9436145	Gmdrm	hypo	CHG	-0.4967
Gm04	9442540	9442700	Gmdrm	hypo	CHG	-0.58

Gm04	9442819	9443346	Gmdrm	hypo	CHG	-0.2042
Gm04	9446643	9446754	Gmdrm	hypo	CHG	-0.334
Gm04	9448225	9448523	Gmdrm	hypo	CHG	-0.749
Gm04	9448778	9448875	Gmdrm	hypo	CHG	-0.6816
Gm04	9482819	9482975	Gmdrm	hypo	CHG	-0.5549
Gm04	9504412	9504524	Gmdrm	hypo	CHG	-0.575
Gm04	9516991	9517152	Gmdrm	hypo	CHG	-0.058
Gm04	9517801	9517861	Gmdrm	hypo	CHG	-0.575
Gm04	9523344	9523523	Gmdrm	hypo	CHG	-0.3137
Gm04	9525784	9526039	Gmdrm	hypo	CHG	-0.511
Gm04	9547348	9547594	Gmdrm	hypo	CHG	-0.8594
Gm04	9547734	9547933	Gmdrm	hypo	CHG	-0.5414
Gm04	9583340	9583425	Gmdrm	hypo	CHG	-0.0458
Gm04	9618925	9619279	Gmdrm	hypo	CHG	-0.2806
Gm04	9637789	9637931	Gmdrm	hypo	CHG	-0.3185
Gm04	9644375	9644442	Gmdrm	hypo	CHG	-0.052
Gm04	9647113	9647170	Gmdrm	hypo	CHG	-0.91
Gm04	9647306	9647517	Gmdrm	hypo	CHG	-0.7433
Gm04	9655850	9656031	Gmdrm	hypo	CHG	-0.325
Gm04	9657404	9657603	Gmdrm	hypo	CHG	-0.0333
Gm04	9710099	9710202	Gmdrm	hypo	CHG	-0.9217
Gm04	9715948	9716318	Gmdrm	hypo	CHG	-0.47
Gm04	9716419	9716531	Gmdrm	hypo	CHG	-0.485
Gm04	9724658	9724982	Gmdrm	hypo	CHG	-0.3546
Gm04	9730993	9731054	Gmdrm	hypo	CHG	-0.5683
Gm04	9731659	9732188	Gmdrm	hypo	CHG	-0.5709
Gm04	9737890	9738073	Gmdrm	hypo	CHG	-0.25
Gm04	9778812	9778978	Gmdrm	hypo	CHG	-0.072
Gm04	9783321	9783688	Gmdrm	hypo	CHG	-0.3905
Gm04	9785550	9786550	Gmdrm	hypo	CHG	-0.81
Gm04	9786649	9786759	Gmdrm	hypo	CHG	-0.3813
Gm04	9794288	9794610	Gmdrm	hypo	CHG	-0.4746
Gm04	9794865	9794930	Gmdrm	hypo	CHG	-0.8384
Gm04	9795358	9795429	Gmdrm	hypo	CHG	-0.7929
Gm04	9801385	9801576	Gmdrm	hypo	CHG	-0.9585
Gm04	9801707	9801933	Gmdrm	hypo	CHG	-0.5121
Gm04	9845377	9846074	Gmdrm	hypo	CHG	-0.2986
Gm04	9848494	9848655	Gmdrm	hypo	CHG	-0.44
Gm04	9849292	9849587	Gmdrm	hypo	CHG	-0.6244
Gm04	9849715	9849921	Gmdrm	hypo	CHG	-0.7791
Gm04	9851023	9851239	Gmdrm	hypo	CHG	-0.2592
Gm04	9856904	9857316	Gmdrm	hypo	CHG	-0.4784
Gm04	9857423	9857853	Gmdrm	hypo	CHG	-0.1691
Gm04	9858536	9858625	Gmdrm	hypo	CHG	-0.4833
Gm04	9862204	9862348	Gmdrm	hypo	CHG	-0.0333
Gm04	9885712	9885913	Gmdrm	hypo	CHG	-0.054

Gm04	9895995	9896220	Gmdrm	hypo	CHG	-0.3436
Gm04	9896438	9896789	Gmdrm	hypo	CHG	-0.0623
Gm04	9898003	9898389	Gmdrm	hypo	CHG	-0.0325
Gm04	9904969	9905386	Gmdrm	hypo	CHG	-0.1636
Gm04	9905658	9906288	Gmdrm	hypo	CHG	-0.2341
Gm04	9906904	9907842	Gmdrm	hypo	CHG	-0.2214
Gm04	9908300	9908883	Gmdrm	hypo	CHG	-0.2261
Gm04	9909862	9910195	Gmdrm	hypo	CHG	-0.2831
Gm04	9910300	9911061	Gmdrm	hypo	CHG	-0.3677
Gm04	9911221	9912189	Gmdrm	hypo	CHG	-0.3909
Gm04	9912541	9912853	Gmdrm	hypo	CHG	-0.2488
Gm04	9912980	9913236	Gmdrm	hypo	CHG	-0.2689
Gm04	10027042	10027382	Gmdrm	hypo	CHG	-0.2821
Gm04	10057069	10057194	Gmdrm	hypo	CHG	-0.2467
Gm04	10121858	10121914	Gmdrm	hypo	CHG	-0.18
Gm04	10123276	10123424	Gmdrm	hypo	CHG	-0.1389
Gm04	10124017	10124344	Gmdrm	hypo	CHG	-0.1707
Gm04	10124460	10124516	Gmdrm	hypo	CHG	-0.2617
Gm04	10124997	10125310	Gmdrm	hypo	CHG	-0.185
Gm04	10125423	10125479	Gmdrm	hypo	CHG	-0.096
Gm04	10126199	10126255	Gmdrm	hypo	CHG	-0.1513
Gm04	10127853	10127940	Gmdrm	hypo	CHG	-0.144
Gm04	10128814	10129310	Gmdrm	hypo	CHG	-0.0864
Gm04	10129712	10129946	Gmdrm	hypo	CHG	-0.1455
Gm04	10130076	10130266	Gmdrm	hypo	CHG	-0.1907
Gm04	10130727	10131220	Gmdrm	hypo	CHG	-0.2031
Gm04	10131863	10132245	Gmdrm	hypo	CHG	-0.1315
Gm04	10132772	10133314	Gmdrm	hypo	CHG	-0.0985
Gm04	10133829	10133982	Gmdrm	hypo	CHG	-0.2058
Gm04	10134827	10135292	Gmdrm	hypo	CHG	-0.1986
Gm04	10158593	10159418	Gmdrm	hypo	CHG	-0.1716
Gm04	10159805	10159974	Gmdrm	hypo	CHG	-0.2244
Gm04	10228965	10229114	Gmdrm	hypo	CHG	-0.1744
Gm04	10238434	10238628	Gmdrm	hypo	CHG	-0.2709
Gm04	10240782	10240797	Gmdrm	hypo	CHG	-0.5433
Gm04	10316529	10316586	Gmdrm	hypo	CHG	-0.4517
Gm04	10317291	10317345	Gmdrm	hypo	CHG	-0.315
Gm04	10321080	10321353	Gmdrm	hypo	CHG	-0.2854
Gm04	10322276	10322392	Gmdrm	hypo	CHG	-0.1644
Gm04	10352798	10352946	Gmdrm	hypo	CHG	-0.178
Gm04	10377876	10377905	Gmdrm	hypo	CHG	-0.425
Gm04	10383293	10383358	Gmdrm	hypo	CHG	-0.432
Gm04	10383477	10383792	Gmdrm	hypo	CHG	-0.1639
Gm04	10392131	10392446	Gmdrm	hypo	CHG	-0.1113
Gm04	10436904	10437082	Gmdrm	hypo	CHG	-0.2943
Gm04	10532694	10532922	Gmdrm	hypo	CHG	-0.1838

Gm04	10534889	10535066	Gmdrm	hypo	CHG	-0.0663
Gm04	10536916	10537112	Gmdrm	hypo	CHG	-0.2829
Gm04	10550912	10551089	Gmdrm	hypo	CHG	-0.3633
Gm04	10551262	10551334	Gmdrm	hypo	CHG	-0.38
Gm04	10560202	10560406	Gmdrm	hypo	CHG	-0.1146
Gm04	10560517	10560649	Gmdrm	hypo	CHG	-0.3012
Gm04	10783678	10783883	Gmdrm	hypo	CHG	-0.3909
Gm04	10788379	10788532	Gmdrm	hypo	CHG	-0.3416
Gm04	10788769	10788793	Gmdrm	hypo	CHG	-0.5083
Gm04	10962013	10962977	Gmdrm	hypo	CHG	-0.2883
Gm04	10966666	10966823	Gmdrm	hypo	CHG	-0.1545
Gm04	11115231	11115366	Gmdrm	hypo	CHG	-0.495
Gm04	11120741	11120882	Gmdrm	hypo	CHG	-0.038
Gm04	11137732	11137908	Gmdrm	hypo	CHG	-0.048
Gm04	11150041	11150213	Gmdrm	hypo	CHG	-0.458
Gm04	11150999	11151121	Gmdrm	hypo	CHG	-0.6889
Gm04	11157914	11158076	Gmdrm	hypo	CHG	-0.75
Gm04	11166955	11166979	Gmdrm	hypo	CHG	-0.24
Gm04	11171521	11171741	Gmdrm	hypo	CHG	-0.5636
Gm04	11186052	11186792	Gmdrm	hypo	CHG	-0.3057
Gm04	11187616	11187933	Gmdrm	hypo	CHG	-0.6814
Gm04	11188593	11188709	Gmdrm	hypo	CHG	-0.7266
Gm04	11188830	11189106	Gmdrm	hypo	CHG	-0.644
Gm04	11189262	11189517	Gmdrm	hypo	CHG	-0.6437
Gm04	11202320	11202448	Gmdrm	hypo	CHG	-0.2027
Gm04	11225284	11225642	Gmdrm	hypo	CHG	-0.0561
Gm04	11270544	11270724	Gmdrm	hypo	CHG	-0.7527
Gm04	11270833	11271028	Gmdrm	hypo	CHG	-0.6363
Gm04	11271222	11271240	Gmdrm	hypo	CHG	-0.66
Gm04	11271362	11271983	Gmdrm	hypo	CHG	-0.464
Gm04	11272094	11272314	Gmdrm	hypo	CHG	-0.4042
Gm04	11276733	11276995	Gmdrm	hypo	CHG	-0.3217
Gm04	11277107	11277345	Gmdrm	hypo	CHG	-0.4045
Gm04	11292832	11293041	Gmdrm	hypo	CHG	-0.1221
Gm04	11293473	11294008	Gmdrm	hypo	CHG	-0.2175
Gm04	11296361	11296628	Gmdrm	hypo	CHG	-0.7764
Gm04	11296743	11296917	Gmdrm	hypo	CHG	-0.6845
Gm04	11298629	11298714	Gmdrm	hypo	CHG	-0.0517
Gm04	11299619	11299839	Gmdrm	hypo	CHG	-0.0529
Gm04	11302521	11303520	Gmdrm	hypo	CHG	-0.2184
Gm04	11303529	11303631	Gmdrm	hypo	CHG	-0.055
Gm04	11304262	11304543	Gmdrm	hypo	CHG	-0.1867
Gm04	11304869	11305232	Gmdrm	hypo	CHG	-0.4643
Gm04	11305334	11305979	Gmdrm	hypo	CHG	-0.28
Gm04	11306280	11306474	Gmdrm	hypo	CHG	-0.2861
Gm04	11306848	11307499	Gmdrm	hypo	CHG	-0.3943

Gm04	11310480	11310654	Gmdrm	hypo	CHG	-0.172
Gm04	11313033	11313238	Gmdrm	hypo	CHG	-0.4436
Gm04	11342005	11342369	Gmdrm	hypo	CHG	-0.0663
Gm04	11344555	11344584	Gmdrm	hypo	CHG	-0.3767
Gm04	11345256	11345476	Gmdrm	hypo	CHG	-0.3214
Gm04	11348075	11348306	Gmdrm	hypo	CHG	-0.0355
Gm04	11351557	11351781	Gmdrm	hypo	CHG	-0.153
Gm04	11390388	11390459	Gmdrm	hypo	CHG	-0.2666
Gm04	11392652	11392712	Gmdrm	hypo	CHG	-0.5072
Gm04	11392884	11393148	Gmdrm	hypo	CHG	-0.2587
Gm04	11407055	11407125	Gmdrm	hypo	CHG	-0.074
Gm04	11409576	11409627	Gmdrm	hypo	CHG	-0.582
Gm04	11416681	11416968	Gmdrm	hypo	CHG	-0.4066
Gm04	11417091	11417587	Gmdrm	hypo	CHG	-0.5009
Gm04	11420479	11421478	Gmdrm	hypo	CHG	-0.2198
Gm04	11426102	11426762	Gmdrm	hypo	CHG	-0.2011
Gm04	11427369	11427700	Gmdrm	hypo	CHG	-0.37
Gm04	11446425	11446658	Gmdrm	hypo	CHG	-0.37
Gm04	11513034	11513268	Gmdrm	hypo	CHG	-0.7782
Gm04	11520947	11521219	Gmdrm	hypo	CHG	-0.036
Gm04	11552672	11552761	Gmdrm	hypo	CHG	-0.745
Gm04	11577123	11577277	Gmdrm	hypo	CHG	-0.6375
Gm04	11606975	11607286	Gmdrm	hypo	CHG	-0.3477
Gm04	11616434	11616795	Gmdrm	hypo	CHG	-0.2457
Gm04	11636908	11637035	Gmdrm	hypo	CHG	-0.2318
Gm04	11639738	11639950	Gmdrm	hypo	CHG	-0.2806
Gm04	11640087	11641037	Gmdrm	hypo	CHG	-0.7349
Gm04	11641148	11641375	Gmdrm	hypo	CHG	-0.16
Gm04	11642700	11643016	Gmdrm	hypo	CHG	-0.506
Gm04	11643258	11643708	Gmdrm	hypo	CHG	-0.5224
Gm04	11643815	11643928	Gmdrm	hypo	CHG	-0.4715
Gm04	11644057	11644229	Gmdrm	hypo	CHG	-0.4889
Gm04	11709893	11710891	Gmdrm	hypo	CHG	-0.3519
Gm04	11714867	11715059	Gmdrm	hypo	CHG	-0.1163
Gm04	11715182	11715256	Gmdrm	hypo	CHG	-0.39
Gm04	11715413	11715518	Gmdrm	hypo	CHG	-0.8008
Gm04	11739129	11739253	Gmdrm	hypo	CHG	-0.3678
Gm04	11747602	11747726	Gmdrm	hypo	CHG	-0.06
Gm04	11749775	11749974	Gmdrm	hypo	CHG	-0.0617
Gm04	11832061	11832129	Gmdrm	hypo	CHG	-0.065
Gm04	11893426	11893688	Gmdrm	hypo	CHG	-0.255
Gm04	11898906	11899229	Gmdrm	hypo	CHG	-0.2963
Gm04	11899374	11899627	Gmdrm	hypo	CHG	-0.3512
Gm04	11901602	11901715	Gmdrm	hypo	CHG	-0.0383
Gm04	11902463	11902588	Gmdrm	hypo	CHG	-0.68
Gm04	11902718	11902924	Gmdrm	hypo	CHG	-0.883

Gm04	11909292	11909354	Gmdrm	hypo	CHG	-0.533
Gm04	11909845	11910264	Gmdrm	hypo	CHG	-0.3974
Gm04	11948333	11948445	Gmdrm	hypo	CHG	-0.57
Gm04	11948575	11948737	Gmdrm	hypo	CHG	-0.6767
Gm04	11951794	11951956	Gmdrm	hypo	CHG	-0.026
Gm04	11957694	11958509	Gmdrm	hypo	CHG	-0.6705
Gm04	11962393	11962706	Gmdrm	hypo	CHG	-0.473
Gm04	12033266	12033431	Gmdrm	hypo	CHG	-0.3755
Gm04	12048945	12049115	Gmdrm	hypo	CHG	-0.1778
Gm04	12049242	12049351	Gmdrm	hypo	CHG	-0.74
Gm04	12050469	12050842	Gmdrm	hypo	CHG	-0.7306
Gm04	12062746	12062858	Gmdrm	hypo	CHG	-0.6086
Gm04	12064858	12064919	Gmdrm	hypo	CHG	-0.114
Gm04	12083720	12083799	Gmdrm	hypo	CHG	-0.545
Gm04	12085237	12085385	Gmdrm	hypo	CHG	-0.4625
Gm04	12085543	12085872	Gmdrm	hypo	CHG	-0.4885
Gm04	12090366	12090529	Gmdrm	hypo	CHG	-0.3556
Gm04	12091158	12091286	Gmdrm	hypo	CHG	-0.6929
Gm04	12097568	12097752	Gmdrm	hypo	CHG	-0.1683
Gm04	12112085	12112319	Gmdrm	hypo	CHG	-0.4589
Gm04	12115041	12115400	Gmdrm	hypo	CHG	-0.554
Gm04	12189178	12189238	Gmdrm	hypo	CHG	-0.195
Gm04	12200660	12201196	Gmdrm	hypo	CHG	-0.2166
Gm04	12201297	12201756	Gmdrm	hypo	CHG	-0.256
Gm04	12223263	12223489	Gmdrm	hypo	CHG	-0.1177
Gm04	12226314	12226603	Gmdrm	hypo	CHG	-0.5409
Gm04	12243201	12243378	Gmdrm	hypo	CHG	-0.34
Gm04	12322573	12322697	Gmdrm	hypo	CHG	-0.15
Gm04	12322825	12323011	Gmdrm	hypo	CHG	-0.5371
Gm04	12345648	12345817	Gmdrm	hypo	CHG	-0.4375
Gm04	12363289	12363394	Gmdrm	hypo	CHG	-0.5067
Gm04	12387096	12387311	Gmdrm	hypo	CHG	-0.3754
Gm04	12388329	12388588	Gmdrm	hypo	CHG	-0.632
Gm04	12395446	12395674	Gmdrm	hypo	CHG	-0.2671
Gm04	12395901	12395958	Gmdrm	hypo	CHG	-0.418
Gm04	12410132	12410307	Gmdrm	hypo	CHG	-0.0743
Gm04	12414690	12414938	Gmdrm	hypo	CHG	-0.5527
Gm04	12443255	12443355	Gmdrm	hypo	CHG	-0.5
Gm04	12443741	12444464	Gmdrm	hypo	CHG	-0.493
Gm04	12446384	12446590	Gmdrm	hypo	CHG	-0.51
Gm04	12454734	12454948	Gmdrm	hypo	CHG	-0.3846
Gm04	12460544	12461093	Gmdrm	hypo	CHG	-0.2814
Gm04	12461867	12462069	Gmdrm	hypo	CHG	-0.0542
Gm04	12467644	12467774	Gmdrm	hypo	CHG	-0.64
Gm04	12476213	12476605	Gmdrm	hypo	CHG	-0.6073
Gm04	12476894	12477134	Gmdrm	hypo	CHG	-0.3931

Gm04	12486724	12487108	Gmdrm	hypo	CHG	-0.4011
Gm04	12488969	12489168	Gmdrm	hypo	CHG	-0.3835
Gm04	12497731	12497789	Gmdrm	hypo	CHG	-0.4367
Gm04	12513981	12514138	Gmdrm	hypo	CHG	-0.23
Gm04	12539788	12539918	Gmdrm	hypo	CHG	-0.3182
Gm04	12552033	12552178	Gmdrm	hypo	CHG	-0.3001
Gm04	12552811	12552869	Gmdrm	hypo	CHG	-0.346
Gm04	12597221	12597913	Gmdrm	hypo	CHG	-0.2415
Gm04	12598118	12598255	Gmdrm	hypo	CHG	-0.1312
Gm04	12605819	12606124	Gmdrm	hypo	CHG	-0.3308
Gm04	12607284	12607318	Gmdrm	hypo	CHG	-0.24
Gm04	12607934	12607952	Gmdrm	hypo	CHG	-0.2715
Gm04	12621759	12622361	Gmdrm	hypo	CHG	-0.0852
Gm04	12626568	12627070	Gmdrm	hypo	CHG	-0.661
Gm04	12635302	12635423	Gmdrm	hypo	CHG	-0.8775
Gm04	12635546	12635647	Gmdrm	hypo	CHG	-0.9077
Gm04	12706794	12707104	Gmdrm	hypo	CHG	-0.2855
Gm04	12708677	12709542	Gmdrm	hypo	CHG	-0.2425
Gm04	12709652	12710627	Gmdrm	hypo	CHG	-0.2716
Gm04	12710653	12711651	Gmdrm	hypo	CHG	-0.3107
Gm04	12715501	12715802	Gmdrm	hypo	CHG	-0.1826
Gm04	12715917	12716162	Gmdrm	hypo	CHG	-0.0986
Gm04	12716307	12716920	Gmdrm	hypo	CHG	-0.3003
Gm04	12729936	12730003	Gmdrm	hypo	CHG	-0.06
Gm04	12742393	12742517	Gmdrm	hypo	CHG	-0.468
Gm04	12742665	12742970	Gmdrm	hypo	CHG	-0.3056
Gm04	12788666	12788958	Gmdrm	hypo	CHG	-0.2022
Gm04	12834700	12834799	Gmdrm	hypo	CHG	-0.2034
Gm04	12863862	12863985	Gmdrm	hypo	CHG	-0.5372
Gm04	12880901	12881111	Gmdrm	hypo	CHG	-0.2211
Gm04	12912785	12912954	Gmdrm	hypo	CHG	-0.2234
Gm04	12933183	12933655	Gmdrm	hypo	CHG	-0.256
Gm04	12933772	12933883	Gmdrm	hypo	CHG	-0.1263
Gm04	12954369	12954558	Gmdrm	hypo	CHG	-0.1593
Gm04	12955287	12955480	Gmdrm	hypo	CHG	-0.5367
Gm04	12955604	12956107	Gmdrm	hypo	CHG	-0.4005
Gm04	12956208	12957195	Gmdrm	hypo	CHG	-0.3481
Gm04	12988958	12989196	Gmdrm	hypo	CHG	-0.1022
Gm04	13013861	13014120	Gmdrm	hypo	CHG	-0.533
Gm04	13170043	13170184	Gmdrm	hypo	CHG	-0.056
Gm04	13267696	13267836	Gmdrm	hypo	CHG	-0.044
Gm04	13280840	13280992	Gmdrm	hypo	CHG	-0.0343
Gm04	13293030	13293147	Gmdrm	hypo	CHG	-0.4714
Gm04	13455490	13455676	Gmdrm	hypo	CHG	-0.5387
Gm04	13495526	13495960	Gmdrm	hypo	CHG	-0.2481
Gm04	13544933	13545064	Gmdrm	hypo	CHG	-0.045

Gm04	13554631	13554986	Gmdrm	hypo	CHG	-0.04
Gm04	13555115	13555610	Gmdrm	hypo	CHG	-0.6444
Gm04	13592125	13592254	Gmdrm	hypo	CHG	-0.065
Gm04	13617540	13617826	Gmdrm	hypo	CHG	-0.4492
Gm04	13650140	13650179	Gmdrm	hypo	CHG	-0.085
Gm04	13837062	13837094	Gmdrm	hypo	CHG	-0.5662
Gm04	13837806	13837904	Gmdrm	hypo	CHG	-0.9233
Gm04	13838895	13838987	Gmdrm	hypo	CHG	-0.058
Gm04	13856058	13856232	Gmdrm	hypo	CHG	-0.2618
Gm04	13879932	13880048	Gmdrm	hypo	CHG	-0.2962
Gm04	13880650	13880690	Gmdrm	hypo	CHG	-0.63
Gm04	13884748	13885010	Gmdrm	hypo	CHG	-0.3808
Gm04	13885231	13885287	Gmdrm	hypo	CHG	-0.826
Gm04	13886049	13886418	Gmdrm	hypo	CHG	-0.2813
Gm04	13886634	13886751	Gmdrm	hypo	CHG	-0.866
Gm04	13895683	13895783	Gmdrm	hypo	CHG	-0.8537
Gm04	13896212	13896258	Gmdrm	hypo	CHG	-0.34
Gm04	13936428	13937196	Gmdrm	hypo	CHG	-0.6094
Gm04	13948166	13948915	Gmdrm	hypo	CHG	-0.2208
Gm04	13962013	13962291	Gmdrm	hypo	CHG	-0.3884
Gm04	14211796	14212758	Gmdrm	hypo	CHG	-0.072
Gm04	14223853	14223923	Gmdrm	hypo	CHG	-0.382
Gm04	14299937	14299975	Gmdrm	hypo	CHG	-0.1666
Gm04	14330772	14330951	Gmdrm	hypo	CHG	-0.5884
Gm04	14365024	14365125	Gmdrm	hypo	CHG	-0.3414
Gm04	14453511	14453699	Gmdrm	hypo	CHG	-0.691
Gm04	14453813	14453998	Gmdrm	hypo	CHG	-0.5113
Gm04	14456191	14456337	Gmdrm	hypo	CHG	-0.2729
Gm04	14472590	14472787	Gmdrm	hypo	CHG	-0.33
Gm04	14482871	14483016	Gmdrm	hypo	CHG	-0.47
Gm04	14620609	14620778	Gmdrm	hypo	CHG	-0.6
Gm04	14651371	14651396	Gmdrm	hypo	CHG	-0.42
Gm04	14666422	14666544	Gmdrm	hypo	CHG	-0.1972
Gm04	14724342	14724379	Gmdrm	hypo	CHG	-0.066
Gm04	14732085	14732491	Gmdrm	hypo	CHG	-0.413
Gm04	14758621	14758898	Gmdrm	hypo	CHG	-0.4372
Gm04	14759024	14759220	Gmdrm	hypo	CHG	-0.475
Gm04	14766523	14767507	Gmdrm	hypo	CHG	-0.2691
Gm04	14768139	14768390	Gmdrm	hypo	CHG	-0.6167
Gm04	14768503	14768560	Gmdrm	hypo	CHG	-0.2333
Gm04	14775067	14775261	Gmdrm	hypo	CHG	-0.7649
Gm04	14780351	14780555	Gmdrm	hypo	CHG	-0.4354
Gm04	14781119	14781327	Gmdrm	hypo	CHG	-0.3683
Gm04	14859174	14859549	Gmdrm	hypo	CHG	-0.3609
Gm04	14881345	14881683	Gmdrm	hypo	CHG	-0.2294
Gm04	14881819	14882023	Gmdrm	hypo	CHG	-0.5122

Gm04	14882439	14882568	Gmdrm	hypo	CHG	-0.6625
Gm04	14883453	14883763	Gmdrm	hypo	CHG	-0.0936
Gm04	14889976	14890352	Gmdrm	hypo	CHG	-0.4906
Gm04	14899084	14899334	Gmdrm	hypo	CHG	-0.3124
Gm04	14958939	14959436	Gmdrm	hypo	CHG	-0.1782
Gm04	14964958	14965320	Gmdrm	hypo	CHG	-0.1485
Gm04	14965912	14966037	Gmdrm	hypo	CHG	-0.628
Gm04	14967551	14967600	Gmdrm	hypo	CHG	-0.69
Gm04	15064117	15064170	Gmdrm	hypo	CHG	-0.305
Gm04	15090048	15090407	Gmdrm	hypo	CHG	-0.1
Gm04	15126785	15127483	Gmdrm	hypo	CHG	-0.2143
Gm04	15131893	15132052	Gmdrm	hypo	CHG	-0.5578
Gm04	15132713	15132817	Gmdrm	hypo	CHG	-0.845
Gm04	15151187	15151344	Gmdrm	hypo	CHG	-0.564
Gm04	15158664	15158768	Gmdrm	hypo	CHG	-0.5031
Gm04	15170109	15170378	Gmdrm	hypo	CHG	-0.4343
Gm04	15170562	15170865	Gmdrm	hypo	CHG	-0.2155
Gm04	15208159	15208394	Gmdrm	hypo	CHG	-0.1375
Gm04	15216957	15217226	Gmdrm	hypo	CHG	-0.4528
Gm04	15218395	15218564	Gmdrm	hypo	CHG	-0.64
Gm04	15231124	15231222	Gmdrm	hypo	CHG	-0.516
Gm04	15245034	15245179	Gmdrm	hypo	CHG	-0.448
Gm04	15304453	15304841	Gmdrm	hypo	CHG	-0.6425
Gm04	15305344	15305442	Gmdrm	hypo	CHG	-0.7629
Gm04	15385571	15385780	Gmdrm	hypo	CHG	-0.1138
Gm04	15401884	15401965	Gmdrm	hypo	CHG	-0.415
Gm04	15402221	15402429	Gmdrm	hypo	CHG	-0.4367
Gm04	15506943	15507307	Gmdrm	hypo	CHG	-0.21
Gm04	15508779	15508854	Gmdrm	hypo	CHG	-0.5438
Gm04	15509202	15509412	Gmdrm	hypo	CHG	-0.2929
Gm04	15515824	15516146	Gmdrm	hypo	CHG	-0.3274
Gm04	15527973	15528635	Gmdrm	hypo	CHG	-0.6664
Gm04	15529157	15529588	Gmdrm	hypo	CHG	-0.7892
Gm04	15547103	15547546	Gmdrm	hypo	CHG	-0.3935
Gm04	15613197	15613265	Gmdrm	hypo	CHG	-0.658
Gm04	15634282	15634588	Gmdrm	hypo	CHG	-0.1233
Gm04	15656806	15656979	Gmdrm	hypo	CHG	-0.04
Gm04	15660727	15660795	Gmdrm	hypo	CHG	-0.2671
Gm04	15676020	15676280	Gmdrm	hypo	CHG	-0.086
Gm04	15682879	15683006	Gmdrm	hypo	CHG	-0.5176
Gm04	15790286	15790463	Gmdrm	hypo	CHG	-0.3638
Gm04	15793226	15793298	Gmdrm	hypo	CHG	-0.62
Gm04	15819562	15819680	Gmdrm	hypo	CHG	-0.5657
Gm04	15821069	15821366	Gmdrm	hypo	CHG	-0.4177
Gm04	15823295	15823347	Gmdrm	hypo	CHG	-0.5517
Gm04	15866286	15866409	Gmdrm	hypo	CHG	-0.4057

Gm04	15866524	15866888	Gmdrm	hypo	CHG	-0.3884
Gm04	15875330	15875660	Gmdrm	hypo	CHG	-0.2638
Gm04	15881740	15881869	Gmdrm	hypo	CHG	-0.5334
Gm04	15882233	15882270	Gmdrm	hypo	CHG	-0.8933
Gm04	15963168	15963220	Gmdrm	hypo	CHG	-0.485
Gm04	15963329	15963441	Gmdrm	hypo	CHG	-0.3683
Gm04	16083377	16083498	Gmdrm	hypo	CHG	-0.054
Gm04	16142957	16143359	Gmdrm	hypo	CHG	-0.2126
Gm04	16157885	16158046	Gmdrm	hypo	CHG	-0.1225
Gm04	16198195	16198368	Gmdrm	hypo	CHG	-0.442
Gm04	16200329	16200427	Gmdrm	hypo	CHG	-0.1417
Gm04	16200791	16200861	Gmdrm	hypo	CHG	-0.3633
Gm04	16266271	16266331	Gmdrm	hypo	CHG	-0.17
Gm04	16290951	16291128	Gmdrm	hypo	CHG	-0.0417
Gm04	16807276	16807437	Gmdrm	hypo	CHG	-0.04
Gm04	16839568	16839721	Gmdrm	hypo	CHG	-0.3167
Gm04	16866055	16866233	Gmdrm	hypo	CHG	-0.2886
Gm04	16905918	16906212	Gmdrm	hypo	CHG	-0.3406
Gm04	16908135	16908302	Gmdrm	hypo	CHG	-0.5016
Gm04	16908428	16908598	Gmdrm	hypo	CHG	-0.8217
Gm04	16909324	16909652	Gmdrm	hypo	CHG	-0.8578
Gm04	16910769	16910905	Gmdrm	hypo	CHG	-0.6488
Gm04	16911022	16911130	Gmdrm	hypo	CHG	-0.516
Gm04	16914177	16914245	Gmdrm	hypo	CHG	-0.8417
Gm04	16914348	16914465	Gmdrm	hypo	CHG	-0.6109
Gm04	16965153	16965381	Gmdrm	hypo	CHG	-0.5389
Gm04	16992923	16993252	Gmdrm	hypo	CHG	-0.123
Gm04	17040514	17040609	Gmdrm	hypo	CHG	-0.0283
Gm04	17053739	17053842	Gmdrm	hypo	CHG	-0.6175
Gm04	17054075	17054179	Gmdrm	hypo	CHG	-0.6075
Gm04	17063568	17063768	Gmdrm	hypo	CHG	-0.7322
Gm04	17063896	17064383	Gmdrm	hypo	CHG	-0.6908
Gm04	17064698	17064813	Gmdrm	hypo	CHG	-0.4309
Gm04	17084751	17084776	Gmdrm	hypo	CHG	-0.07
Gm04	17108214	17108312	Gmdrm	hypo	CHG	-0.3286
Gm04	17112642	17112850	Gmdrm	hypo	CHG	-0.1646
Gm04	17116187	17116366	Gmdrm	hypo	CHG	-0.46
Gm04	17123735	17123839	Gmdrm	hypo	CHG	-0.9543
Gm04	17123969	17124073	Gmdrm	hypo	CHG	-0.696
Gm04	17125781	17125905	Gmdrm	hypo	CHG	-0.3975
Gm04	17189286	17189792	Gmdrm	hypo	CHG	-0.5123
Gm04	17249849	17250795	Gmdrm	hypo	CHG	-0.41
Gm04	17250850	17250933	Gmdrm	hypo	CHG	-0.302
Gm04	17251100	17251253	Gmdrm	hypo	CHG	-0.3389
Gm04	17254959	17255889	Gmdrm	hypo	CHG	-0.3394
Gm04	17260360	17260444	Gmdrm	hypo	CHG	-0.301

Gm04	17260640	17260943	Gmdrm	hypo	CHG	-0.3258
Gm04	17276440	17276580	Gmdrm	hypo	CHG	-0.517
Gm04	17285170	17285396	Gmdrm	hypo	CHG	-0.198
Gm04	17285542	17285708	Gmdrm	hypo	CHG	-0.6478
Gm04	17293678	17293705	Gmdrm	hypo	CHG	-0.5683
Gm04	17296782	17297030	Gmdrm	hypo	CHG	-0.371
Gm04	17346299	17346388	Gmdrm	hypo	CHG	-0.1233
Gm04	17346857	17346896	Gmdrm	hypo	CHG	-0.6787
Gm04	17364282	17364501	Gmdrm	hypo	CHG	-0.5154
Gm04	17371397	17371519	Gmdrm	hypo	CHG	-0.205
Gm04	17371890	17372025	Gmdrm	hypo	CHG	-0.3057
Gm04	17372515	17372765	Gmdrm	hypo	CHG	-0.6142
Gm04	17377905	17378893	Gmdrm	hypo	CHG	-0.245
Gm04	17379047	17380047	Gmdrm	hypo	CHG	-0.3768
Gm04	17380049	17381044	Gmdrm	hypo	CHG	-0.3615
Gm04	17441362	17441470	Gmdrm	hypo	CHG	-0.0329
Gm04	17444485	17445051	Gmdrm	hypo	CHG	-0.0854
Gm04	17446648	17446947	Gmdrm	hypo	CHG	-0.0823
Gm04	17451214	17451527	Gmdrm	hypo	CHG	-0.3283
Gm04	17451630	17452005	Gmdrm	hypo	CHG	-0.298
Gm04	17457346	17458040	Gmdrm	hypo	CHG	-0.23
Gm04	17458639	17459608	Gmdrm	hypo	CHG	-0.1394
Gm04	17461394	17461726	Gmdrm	hypo	CHG	-0.3746
Gm04	17525477	17525651	Gmdrm	hypo	CHG	-0.0845
Gm04	17536375	17536566	Gmdrm	hypo	CHG	-0.0341
Gm04	17547665	17547907	Gmdrm	hypo	CHG	-0.514
Gm04	17597149	17597216	Gmdrm	hypo	CHG	-0.1541
Gm04	17597337	17597622	Gmdrm	hypo	CHG	-0.1672
Gm04	17626581	17627542	Gmdrm	hypo	CHG	-0.0886
Gm04	17632224	17632884	Gmdrm	hypo	CHG	-0.0714
Gm04	17646535	17646623	Gmdrm	hypo	CHG	-0.7083
Gm04	17654163	17654695	Gmdrm	hypo	CHG	-0.3442
Gm04	17685856	17685892	Gmdrm	hypo	CHG	-0.702
Gm04	17708716	17708800	Gmdrm	hypo	CHG	-0.5012
Gm04	17725068	17725306	Gmdrm	hypo	CHG	-0.488
Gm04	17725431	17725581	Gmdrm	hypo	CHG	-0.6028
Gm04	17725989	17726456	Gmdrm	hypo	CHG	-0.1371
Gm04	17746486	17747030	Gmdrm	hypo	CHG	-0.3412
Gm04	17747962	17748168	Gmdrm	hypo	CHG	-0.04
Gm04	17757822	17758055	Gmdrm	hypo	CHG	-0.36
Gm04	17784698	17784973	Gmdrm	hypo	CHG	-0.3905
Gm04	17829009	17829263	Gmdrm	hypo	CHG	-0.8523
Gm04	17829460	17829565	Gmdrm	hypo	CHG	-0.605
Gm04	17834365	17834487	Gmdrm	hypo	CHG	-0.3367
Gm04	17834588	17834835	Gmdrm	hypo	CHG	-0.5577
Gm04	17848918	17848940	Gmdrm	hypo	CHG	-0.045

Gm04	17900439	17901413	Gmdrm	hypo	CHG	-0.0712
Gm04	17954930	17955250	Gmdrm	hypo	CHG	-0.205
Gm04	17968003	17968153	Gmdrm	hypo	CHG	-0.2654
Gm04	18009850	18009988	Gmdrm	hypo	CHG	-0.3471
Gm04	18030142	18030344	Gmdrm	hypo	CHG	-0.5233
Gm04	18033529	18033558	Gmdrm	hypo	CHG	-0.2474
Gm04	18042162	18042212	Gmdrm	hypo	CHG	-0.256
Gm04	18056452	18056787	Gmdrm	hypo	CHG	-0.2406
Gm04	18086987	18087222	Gmdrm	hypo	CHG	-0.3564
Gm04	18147974	18148971	Gmdrm	hypo	CHG	-0.4513
Gm04	18148979	18149399	Gmdrm	hypo	CHG	-0.3924
Gm04	18149501	18149722	Gmdrm	hypo	CHG	-0.6109
Gm04	18149853	18150157	Gmdrm	hypo	CHG	-0.6015
Gm04	18150429	18151122	Gmdrm	hypo	CHG	-0.4937
Gm04	18151458	18152354	Gmdrm	hypo	CHG	-0.2553
Gm04	18217500	18217585	Gmdrm	hypo	CHG	-0.5245
Gm04	18222652	18222813	Gmdrm	hypo	CHG	-0.7237
Gm04	18229376	18229701	Gmdrm	hypo	CHG	-0.3538
Gm04	18229961	18230033	Gmdrm	hypo	CHG	-0.494
Gm04	18230289	18230395	Gmdrm	hypo	CHG	-0.7957
Gm04	18254378	18254667	Gmdrm	hypo	CHG	-0.5164
Gm04	18255436	18255737	Gmdrm	hypo	CHG	-0.7815
Gm04	18257849	18257943	Gmdrm	hypo	CHG	-0.7456
Gm04	18269210	18269434	Gmdrm	hypo	CHG	-0.4454
Gm04	18489794	18490705	Gmdrm	hypo	CHG	-0.2169
Gm04	18497818	18498342	Gmdrm	hypo	CHG	-0.3948
Gm04	18561668	18561748	Gmdrm	hypo	CHG	-0.606
Gm04	18562873	18563632	Gmdrm	hypo	CHG	-0.2334
Gm04	18572632	18572656	Gmdrm	hypo	CHG	-0.6275
Gm04	18601583	18601613	Gmdrm	hypo	CHG	-0.602
Gm04	18674629	18674915	Gmdrm	hypo	CHG	-0.7171
Gm04	18675019	18675090	Gmdrm	hypo	CHG	-0.034
Gm04	18680399	18680573	Gmdrm	hypo	CHG	-0.3319
Gm04	18683819	18684103	Gmdrm	hypo	CHG	-0.1418
Gm04	18691902	18692876	Gmdrm	hypo	CHG	-0.1919
Gm04	18692939	18693885	Gmdrm	hypo	CHG	-0.2394
Gm04	18950513	18950944	Gmdrm	hypo	CHG	-0.664
Gm04	18995710	18995819	Gmdrm	hypo	CHG	-0.0914
Gm04	19227567	19227887	Gmdrm	hypo	CHG	-0.3204
Gm04	19230543	19230712	Gmdrm	hypo	CHG	-0.5977
Gm04	19246236	19246343	Gmdrm	hypo	CHG	-0.028
Gm04	19250975	19251112	Gmdrm	hypo	CHG	-0.4012
Gm04	19252551	19252764	Gmdrm	hypo	CHG	-0.16
Gm04	19259693	19259784	Gmdrm	hypo	CHG	-0.2225
Gm04	19275371	19275598	Gmdrm	hypo	CHG	-0.3575
Gm04	19289721	19289840	Gmdrm	hypo	CHG	-0.5716

Gm04	19295445	19295750	Gmdrm	hypo	CHG	-0.4984
Gm04	19325390	19325709	Gmdrm	hypo	CHG	-0.4805
Gm04	19328055	19328328	Gmdrm	hypo	CHG	-0.1794
Gm04	19329091	19329299	Gmdrm	hypo	CHG	-0.3767
Gm04	19330070	19330251	Gmdrm	hypo	CHG	-0.2578
Gm04	19330993	19331403	Gmdrm	hypo	CHG	-0.2087
Gm04	19331563	19331730	Gmdrm	hypo	CHG	-0.4031
Gm04	19350373	19350804	Gmdrm	hypo	CHG	-0.2556
Gm04	19373594	19373698	Gmdrm	hypo	CHG	-0.1267
Gm04	19375329	19375406	Gmdrm	hypo	CHG	-0.8387
Gm04	19413006	19413483	Gmdrm	hypo	CHG	-0.4892
Gm04	19415682	19415815	Gmdrm	hypo	CHG	-0.4178
Gm04	19415968	19416059	Gmdrm	hypo	CHG	-0.3662
Gm04	19416742	19416918	Gmdrm	hypo	CHG	-0.294
Gm04	19417354	19417526	Gmdrm	hypo	CHG	-0.285
Gm04	19417834	19418153	Gmdrm	hypo	CHG	-0.2727
Gm04	19418328	19418548	Gmdrm	hypo	CHG	-0.23
Gm04	19418649	19418717	Gmdrm	hypo	CHG	-0.6284
Gm04	19418918	19419056	Gmdrm	hypo	CHG	-0.2412
Gm04	19419190	19419272	Gmdrm	hypo	CHG	-0.4034
Gm04	19426387	19426750	Gmdrm	hypo	CHG	-0.5742
Gm04	19453124	19453247	Gmdrm	hypo	CHG	-0.2778
Gm04	19459550	19460111	Gmdrm	hypo	CHG	-0.7768
Gm04	19467222	19467267	Gmdrm	hypo	CHG	-0.2317
Gm04	19467591	19467746	Gmdrm	hypo	CHG	-0.202
Gm04	19538100	19538393	Gmdrm	hypo	CHG	-0.4045
Gm04	19572492	19572907	Gmdrm	hypo	CHG	-0.5915
Gm04	19573891	19574363	Gmdrm	hypo	CHG	-0.1296
Gm04	19628325	19628463	Gmdrm	hypo	CHG	-0.4566
Gm04	19643960	19644474	Gmdrm	hypo	CHG	-0.7069
Gm04	19955243	19955423	Gmdrm	hypo	CHG	-0.408
Gm04	19958136	19958198	Gmdrm	hypo	CHG	-0.72
Gm04	19958753	19958916	Gmdrm	hypo	CHG	-0.105
Gm04	20019948	20020522	Gmdrm	hypo	CHG	-0.235
Gm04	20147181	20147393	Gmdrm	hypo	CHG	-0.1456
Gm04	20209765	20210072	Gmdrm	hypo	CHG	-0.295
Gm04	20248471	20248551	Gmdrm	hypo	CHG	-0.0567
Gm04	20349270	20349455	Gmdrm	hypo	CHG	-0.1076
Gm04	20378491	20378934	Gmdrm	hypo	CHG	-0.2692
Gm04	20426942	20427004	Gmdrm	hypo	CHG	-0.7714
Gm04	20442591	20442818	Gmdrm	hypo	CHG	-0.05
Gm04	20449448	20449569	Gmdrm	hypo	CHG	-0.7289
Gm04	20449758	20449944	Gmdrm	hypo	CHG	-0.1435
Gm04	20470036	20470161	Gmdrm	hypo	CHG	-0.48
Gm04	20471290	20471410	Gmdrm	hypo	CHG	-0.1767
Gm04	20576254	20576386	Gmdrm	hypo	CHG	-0.3171

Gm04	20788211	20788247	Gmdrm	hypo	CHG	-0.25
Gm04	20788682	20788750	Gmdrm	hypo	CHG	-0.562
Gm04	20844023	20844112	Gmdrm	hypo	CHG	-0.1271
Gm04	20953794	20954201	Gmdrm	hypo	CHG	-0.1274
Gm04	21087768	21087829	Gmdrm	hypo	CHG	-0.24
Gm04	21508008	21508094	Gmdrm	hypo	CHG	-0.5114
Gm04	21522277	21523031	Gmdrm	hypo	CHG	-0.4536
Gm04	21523893	21523992	Gmdrm	hypo	CHG	-0.3183
Gm04	21580568	21580954	Gmdrm	hypo	CHG	-0.2312
Gm04	21582786	21583126	Gmdrm	hypo	CHG	-0.4433
Gm04	21732250	21732574	Gmdrm	hypo	CHG	-0.0486
Gm04	21750968	21751003	Gmdrm	hypo	CHG	-0.284
Gm04	21872214	21872394	Gmdrm	hypo	CHG	-0.2015
Gm04	21902981	21903249	Gmdrm	hypo	CHG	-0.1208
Gm04	21903382	21903489	Gmdrm	hypo	CHG	-0.428
Gm04	21992034	21992307	Gmdrm	hypo	CHG	-0.329
Gm04	22091352	22091538	Gmdrm	hypo	CHG	-0.0729
Gm04	22091918	22091998	Gmdrm	hypo	CHG	-0.35
Gm04	22110289	22110355	Gmdrm	hypo	CHG	-0.2183
Gm04	22223946	22224198	Gmdrm	hypo	CHG	-0.0558
Gm04	22293836	22293963	Gmdrm	hypo	CHG	-0.2183
Gm04	22701294	22701764	Gmdrm	hypo	CHG	-0.1413
Gm04	22712486	22712876	Gmdrm	hypo	CHG	-0.3954
Gm04	22713013	22713457	Gmdrm	hypo	CHG	-0.4324
Gm04	22730536	22730803	Gmdrm	hypo	CHG	-0.1733
Gm04	22748646	22748836	Gmdrm	hypo	CHG	-0.5278
Gm04	22761270	22761387	Gmdrm	hypo	CHG	-0.5643
Gm04	22765490	22765708	Gmdrm	hypo	CHG	-0.5975
Gm04	22784815	22785028	Gmdrm	hypo	CHG	-0.3987
Gm04	22786019	22786055	Gmdrm	hypo	CHG	-0.88
Gm04	22798852	22799007	Gmdrm	hypo	CHG	-0.045
Gm04	22799335	22799610	Gmdrm	hypo	CHG	-0.3331
Gm04	22800059	22800373	Gmdrm	hypo	CHG	-0.1289
Gm04	22835891	22836460	Gmdrm	hypo	CHG	-0.2245
Gm04	22885338	22885501	Gmdrm	hypo	CHG	-0.3889
Gm04	22954207	22954357	Gmdrm	hypo	CHG	-0.3338
Gm04	22954461	22955204	Gmdrm	hypo	CHG	-0.1418
Gm04	23271393	23271598	Gmdrm	hypo	CHG	-0.3034
Gm04	23271758	23272692	Gmdrm	hypo	CHG	-0.409
Gm04	23398316	23398580	Gmdrm	hypo	CHG	-0.0343
Gm04	23606455	23606717	Gmdrm	hypo	CHG	-0.1976
Gm04	23952456	23952668	Gmdrm	hypo	CHG	-0.0588
Gm04	24340112	24340260	Gmdrm	hypo	CHG	-0.158
Gm04	24369700	24369881	Gmdrm	hypo	CHG	-0.338
Gm04	24392775	24393125	Gmdrm	hypo	CHG	-0.2771
Gm04	24396393	24396668	Gmdrm	hypo	CHG	-0.3689

Gm04	24397076	24397136	Gmdrm	hypo	CHG	-0.583
Gm04	24671904	24671994	Gmdrm	hypo	CHG	-0.545
Gm04	24680403	24680499	Gmdrm	hypo	CHG	-0.4083
Gm04	24680667	24680787	Gmdrm	hypo	CHG	-0.365
Gm04	24797907	24797948	Gmdrm	hypo	CHG	-0.312
Gm04	24798789	24798971	Gmdrm	hypo	CHG	-0.5237
Gm04	24799125	24799196	Gmdrm	hypo	CHG	-0.7762
Gm04	25143939	25144112	Gmdrm	hypo	CHG	-0.29
Gm04	25151755	25151942	Gmdrm	hypo	CHG	-0.5657
Gm04	25163200	25163355	Gmdrm	hypo	CHG	-0.6929
Gm04	25277121	25277742	Gmdrm	hypo	CHG	-0.1247
Gm04	25341826	25341942	Gmdrm	hypo	CHG	-0.475
Gm04	25349436	25349478	Gmdrm	hypo	CHG	-0.465
Gm04	25354514	25354795	Gmdrm	hypo	CHG	-0.3222
Gm04	25355686	25356324	Gmdrm	hypo	CHG	-0.4264
Gm04	25361120	25361920	Gmdrm	hypo	CHG	-0.4616
Gm04	25366327	25366496	Gmdrm	hypo	CHG	-0.0875
Gm04	25366657	25366791	Gmdrm	hypo	CHG	-0.4257
Gm04	25415223	25415251	Gmdrm	hypo	CHG	-0.632
Gm04	25441552	25441639	Gmdrm	hypo	CHG	-0.595
Gm04	25442051	25442365	Gmdrm	hypo	CHG	-0.4742
Gm04	25442472	25442604	Gmdrm	hypo	CHG	-0.3338
Gm04	25462339	25462846	Gmdrm	hypo	CHG	-0.251
Gm04	25475488	25476073	Gmdrm	hypo	CHG	-0.1952
Gm04	25476944	25477130	Gmdrm	hypo	CHG	-0.0517
Gm04	25561823	25562762	Gmdrm	hypo	CHG	-0.0857
Gm04	25580070	25580317	Gmdrm	hypo	CHG	-0.2845
Gm04	25591236	25591390	Gmdrm	hypo	CHG	-0.1115
Gm04	25602129	25602579	Gmdrm	hypo	CHG	-0.17
Gm04	25629666	25629776	Gmdrm	hypo	CHG	-0.12
Gm04	25657745	25657861	Gmdrm	hypo	CHG	-0.3944
Gm04	25658504	25658743	Gmdrm	hypo	CHG	-0.4689
Gm04	25721609	25721695	Gmdrm	hypo	CHG	-0.058
Gm04	25762866	25763714	Gmdrm	hypo	CHG	-0.223
Gm04	26166655	26166861	Gmdrm	hypo	CHG	-0.58
Gm04	26389638	26390313	Gmdrm	hypo	CHG	-0.2339
Gm04	26390896	26391457	Gmdrm	hypo	CHG	-0.2254
Gm04	26391632	26391872	Gmdrm	hypo	CHG	-0.2125
Gm04	26392331	26392584	Gmdrm	hypo	CHG	-0.0933
Gm04	26392766	26393209	Gmdrm	hypo	CHG	-0.2
Gm04	26393539	26393680	Gmdrm	hypo	CHG	-0.4983
Gm04	26396289	26396426	Gmdrm	hypo	CHG	-0.0573
Gm04	26407738	26407928	Gmdrm	hypo	CHG	-0.315
Gm04	26408459	26408987	Gmdrm	hypo	CHG	-0.585
Gm04	26580020	26580051	Gmdrm	hypo	CHG	-0.7234
Gm04	26606419	26606567	Gmdrm	hypo	CHG	-0.564

Gm04	27422295	27422325	Gmdrm	hypo	CHG	-0.646
Gm04	27488073	27488374	Gmdrm	hypo	CHG	-0.3482
Gm04	27497760	27498760	Gmdrm	hypo	CHG	-0.2562
Gm04	27566242	27566447	Gmdrm	hypo	CHG	-0.2922
Gm04	27567043	27567251	Gmdrm	hypo	CHG	-0.05
Gm04	27567594	27567970	Gmdrm	hypo	CHG	-0.7019
Gm04	27636851	27637157	Gmdrm	hypo	CHG	-0.2925
Gm04	27759033	27759521	Gmdrm	hypo	CHG	-0.3363
Gm04	27875698	27875779	Gmdrm	hypo	CHG	-0.229
Gm04	28034923	28034979	Gmdrm	hypo	CHG	-0.2317
Gm04	28164034	28164214	Gmdrm	hypo	CHG	-0.6925
Gm04	28168378	28168515	Gmdrm	hypo	CHG	-0.6934
Gm04	28599437	28599459	Gmdrm	hypo	CHG	-0.0766
Gm04	29084586	29084788	Gmdrm	hypo	CHG	-0.0617
Gm04	29122190	29122369	Gmdrm	hypo	CHG	-0.8533
Gm04	29462152	29462338	Gmdrm	hypo	CHG	-0.23
Gm04	29552272	29552585	Gmdrm	hypo	CHG	-0.062
Gm04	29559458	29559775	Gmdrm	hypo	CHG	-0.5056
Gm04	29940549	29940584	Gmdrm	hypo	CHG	-0.3784
Gm04	29941958	29942392	Gmdrm	hypo	CHG	-0.3527
Gm04	29948350	29948624	Gmdrm	hypo	CHG	-0.2846
Gm04	29948844	29948990	Gmdrm	hypo	CHG	-0.412
Gm04	29949445	29949645	Gmdrm	hypo	CHG	-0.1686
Gm04	29959969	29960499	Gmdrm	hypo	CHG	-0.5835
Gm04	29960873	29961114	Gmdrm	hypo	CHG	-0.4211
Gm04	29994813	29995094	Gmdrm	hypo	CHG	-0.3472
Gm04	30041396	30042393	Gmdrm	hypo	CHG	-0.0854
Gm04	30589590	30590172	Gmdrm	hypo	CHG	-0.1647
Gm04	30696134	30696442	Gmdrm	hypo	CHG	-0.6312
Gm04	30701640	30701845	Gmdrm	hypo	CHG	-0.4793
Gm04	30701991	30702418	Gmdrm	hypo	CHG	-0.5925
Gm04	30702604	30702626	Gmdrm	hypo	CHG	-0.06
Gm04	30703320	30703364	Gmdrm	hypo	CHG	-0.6217
Gm04	30705420	30705524	Gmdrm	hypo	CHG	-0.6983
Gm04	30706283	30706575	Gmdrm	hypo	CHG	-0.6239
Gm04	30707488	30707783	Gmdrm	hypo	CHG	-0.1532
Gm04	31009248	31009280	Gmdrm	hypo	CHG	-0.872
Gm04	31089219	31089807	Gmdrm	hypo	CHG	-0.3247
Gm04	31092721	31092923	Gmdrm	hypo	CHG	-0.085
Gm04	31093128	31093556	Gmdrm	hypo	CHG	-0.1552
Gm04	31096260	31096410	Gmdrm	hypo	CHG	-0.315
Gm04	31449847	31450149	Gmdrm	hypo	CHG	-0.3606
Gm04	31642127	31642670	Gmdrm	hypo	CHG	-0.4809
Gm04	31723865	31723922	Gmdrm	hypo	CHG	-0.3287
Gm04	31848783	31849024	Gmdrm	hypo	CHG	-0.7232
Gm04	31849146	31849226	Gmdrm	hypo	CHG	-0.3633

Gm04	31867855	31868323	Gmdrm	hypo	CHG	-0.2661
Gm04	31996181	31996513	Gmdrm	hypo	CHG	-0.5646
Gm04	31996911	31997095	Gmdrm	hypo	CHG	-0.36
Gm04	32268354	32268524	Gmdrm	hypo	CHG	-0.2749
Gm04	32281442	32281695	Gmdrm	hypo	CHG	-0.047
Gm04	32281843	32282258	Gmdrm	hypo	CHG	-0.3553
Gm04	32288481	32288637	Gmdrm	hypo	CHG	-0.2788
Gm04	32317332	32317354	Gmdrm	hypo	CHG	-0.105
Gm04	32416921	32417084	Gmdrm	hypo	CHG	-0.358
Gm04	32419019	32419157	Gmdrm	hypo	CHG	-0.5333
Gm04	32435801	32435952	Gmdrm	hypo	CHG	-0.03
Gm04	32438889	32438941	Gmdrm	hypo	CHG	-0.468
Gm04	32439298	32439418	Gmdrm	hypo	CHG	-0.4938
Gm04	32481880	32481896	Gmdrm	hypo	CHG	-0.066
Gm04	32511103	32511404	Gmdrm	hypo	CHG	-0.0686
Gm04	32571821	32572068	Gmdrm	hypo	CHG	-0.5715
Gm04	32586008	32586264	Gmdrm	hypo	CHG	-0.4425
Gm04	32751757	32752278	Gmdrm	hypo	CHG	-0.1235
Gm04	32819984	32820207	Gmdrm	hypo	CHG	-0.3493
Gm04	32831405	32831943	Gmdrm	hypo	CHG	-0.5133
Gm04	32837232	32837720	Gmdrm	hypo	CHG	-0.2322
Gm04	32837833	32838825	Gmdrm	hypo	CHG	-0.4342
Gm04	32838855	32839296	Gmdrm	hypo	CHG	-0.0784
Gm04	32846018	32846062	Gmdrm	hypo	CHG	-0.62
Gm04	32978891	32978942	Gmdrm	hypo	CHG	-0.755
Gm04	33070991	33071251	Gmdrm	hypo	CHG	-0.0425
Gm04	33100576	33100734	Gmdrm	hypo	CHG	-0.305
Gm04	33100858	33101151	Gmdrm	hypo	CHG	-0.2837
Gm04	33311433	33311501	Gmdrm	hypo	CHG	-0.204
Gm04	33417922	33418291	Gmdrm	hypo	CHG	-0.6382
Gm04	33418426	33418697	Gmdrm	hypo	CHG	-0.4629
Gm04	33443246	33443454	Gmdrm	hypo	CHG	-0.3855
Gm04	33727405	33727522	Gmdrm	hypo	CHG	-0.432
Gm04	33730465	33730750	Gmdrm	hypo	CHG	-0.428
Gm04	33751962	33752220	Gmdrm	hypo	CHG	-0.6788
Gm04	33754190	33754238	Gmdrm	hypo	CHG	-0.9
Gm04	33754709	33754888	Gmdrm	hypo	CHG	-0.6685
Gm04	33793555	33793949	Gmdrm	hypo	CHG	-0.407
Gm04	33794135	33794160	Gmdrm	hypo	CHG	-0.418
Gm04	33808441	33809432	Gmdrm	hypo	CHG	-0.0784
Gm04	33915781	33915894	Gmdrm	hypo	CHG	-0.62
Gm04	34088502	34088784	Gmdrm	hypo	CHG	-0.4267
Gm04	34106466	34107063	Gmdrm	hypo	CHG	-0.3221
Gm04	34115363	34115410	Gmdrm	hypo	CHG	-0.386
Gm04	34396350	34396515	Gmdrm	hypo	CHG	-0.11
Gm04	34761497	34761628	Gmdrm	hypo	CHG	-0.0571

Gm04	34763821	34764077	Gmdrm	hypo	CHG	-0.0708
Gm04	34784930	34784989	Gmdrm	hypo	CHG	-0.058
Gm04	34788373	34788563	Gmdrm	hypo	CHG	-0.6523
Gm04	34788745	34788882	Gmdrm	hypo	CHG	-0.7378
Gm04	34836899	34837108	Gmdrm	hypo	CHG	-0.2263
Gm04	34924146	34924273	Gmdrm	hypo	CHG	-0.1012
Gm04	34931211	34931414	Gmdrm	hypo	CHG	-0.598
Gm04	34964377	34964580	Gmdrm	hypo	CHG	-0.4412
Gm04	34966409	34966516	Gmdrm	hypo	CHG	-0.262
Gm04	35122390	35122728	Gmdrm	hypo	CHG	-0.3862
Gm04	35167433	35167577	Gmdrm	hypo	CHG	-0.1655
Gm04	35211148	35212148	Gmdrm	hypo	CHG	-0.2792
Gm04	35212161	35212449	Gmdrm	hypo	CHG	-0.32
Gm04	35212731	35213425	Gmdrm	hypo	CHG	-0.2556
Gm04	35213543	35214475	Gmdrm	hypo	CHG	-0.2796
Gm04	35221759	35222530	Gmdrm	hypo	CHG	-0.073
Gm04	35244601	35245576	Gmdrm	hypo	CHG	-0.2098
Gm04	35318049	35318071	Gmdrm	hypo	CHG	-0.1216
Gm04	35322951	35323211	Gmdrm	hypo	CHG	-0.18
Gm04	35324737	35324996	Gmdrm	hypo	CHG	-0.3785
Gm04	35349854	35349962	Gmdrm	hypo	CHG	-0.5945
Gm04	35350460	35350679	Gmdrm	hypo	CHG	-0.5831
Gm04	35356085	35356550	Gmdrm	hypo	CHG	-0.222
Gm04	35360356	35360464	Gmdrm	hypo	CHG	-0.2285
Gm04	35403186	35403679	Gmdrm	hypo	CHG	-0.0454
Gm04	35415147	35415656	Gmdrm	hypo	CHG	-0.559
Gm04	35432824	35432842	Gmdrm	hypo	CHG	-0.634
Gm04	35433054	35433134	Gmdrm	hypo	CHG	-0.626
Gm04	35433239	35433342	Gmdrm	hypo	CHG	-0.79
Gm04	35438867	35438906	Gmdrm	hypo	CHG	-0.322
Gm04	35439179	35439296	Gmdrm	hypo	CHG	-0.6566
Gm04	35439792	35439908	Gmdrm	hypo	CHG	-0.218
Gm04	35590410	35590458	Gmdrm	hypo	CHG	-0.32
Gm04	35602564	35602702	Gmdrm	hypo	CHG	-0.2412
Gm04	35602921	35603058	Gmdrm	hypo	CHG	-0.7446
Gm04	35605539	35605720	Gmdrm	hypo	CHG	-0.6889
Gm04	35610528	35610852	Gmdrm	hypo	CHG	-0.2414
Gm04	35716727	35717033	Gmdrm	hypo	CHG	-0.0777
Gm04	35818736	35819222	Gmdrm	hypo	CHG	-0.1637
Gm04	35825915	35826244	Gmdrm	hypo	CHG	-0.1821
Gm04	35826396	35827379	Gmdrm	hypo	CHG	-0.3103
Gm04	35827519	35828392	Gmdrm	hypo	CHG	-0.4489
Gm04	35828612	35828879	Gmdrm	hypo	CHG	-0.2841
Gm04	35830159	35830372	Gmdrm	hypo	CHG	-0.337
Gm04	35886248	35887053	Gmdrm	hypo	CHG	-0.556
Gm04	35909454	35909721	Gmdrm	hypo	CHG	-0.4243

Gm04	35940440	35940730	Gmdrm	hypo	CHG	-0.0557
Gm04	35940840	35941837	Gmdrm	hypo	CHG	-0.163
Gm04	35943176	35943471	Gmdrm	hypo	CHG	-0.3873
Gm04	35945308	35945453	Gmdrm	hypo	CHG	-0.07
Gm04	35957344	35957473	Gmdrm	hypo	CHG	-0.4833
Gm04	35957577	35957926	Gmdrm	hypo	CHG	-0.4993
Gm04	35960531	35960640	Gmdrm	hypo	CHG	-0.226
Gm04	35960822	35960934	Gmdrm	hypo	CHG	-0.598
Gm04	36156928	36157035	Gmdrm	hypo	CHG	-0.1713
Gm04	36507654	36508483	Gmdrm	hypo	CHG	-0.0858
Gm04	36705080	36705131	Gmdrm	hypo	CHG	-0.2277
Gm04	37153624	37153717	Gmdrm	hypo	CHG	-0.335
Gm04	37156750	37157103	Gmdrm	hypo	CHG	-0.23
Gm04	37230786	37231106	Gmdrm	hypo	CHG	-0.8594
Gm04	37241646	37241757	Gmdrm	hypo	CHG	-0.0333
Gm04	37242024	37242079	Gmdrm	hypo	CHG	-0.542
Gm04	37242185	37242265	Gmdrm	hypo	CHG	-0.6971
Gm04	37362041	37362897	Gmdrm	hypo	CHG	-0.2
Gm04	37362998	37363998	Gmdrm	hypo	CHG	-0.3952
Gm04	37364000	37364344	Gmdrm	hypo	CHG	-0.2736
Gm04	37373007	37373719	Gmdrm	hypo	CHG	-0.2425
Gm04	37374593	37374739	Gmdrm	hypo	CHG	-0.0417
Gm04	37390680	37390900	Gmdrm	hypo	CHG	-0.2655
Gm04	37395899	37396047	Gmdrm	hypo	CHG	-0.67
Gm04	37400673	37400917	Gmdrm	hypo	CHG	-0.0772
Gm04	37403287	37403666	Gmdrm	hypo	CHG	-0.1477
Gm04	37405408	37405696	Gmdrm	hypo	CHG	-0.43
Gm04	37467812	37467858	Gmdrm	hypo	CHG	-0.1017
Gm04	37528532	37528619	Gmdrm	hypo	CHG	-0.1637
Gm04	37815540	37815623	Gmdrm	hypo	CHG	-0.5083
Gm04	37844151	37844483	Gmdrm	hypo	CHG	-0.7867
Gm04	37850858	37850991	Gmdrm	hypo	CHG	-0.3117
Gm04	37853547	37853912	Gmdrm	hypo	CHG	-0.4755
Gm04	37861655	37861819	Gmdrm	hypo	CHG	-0.5412
Gm04	37951022	37951075	Gmdrm	hypo	CHG	-0.0833
Gm04	37951240	37951343	Gmdrm	hypo	CHG	-0.3614
Gm04	37954641	37954757	Gmdrm	hypo	CHG	-0.552
Gm04	38053574	38054012	Gmdrm	hypo	CHG	-0.2883
Gm04	38118485	38118838	Gmdrm	hypo	CHG	-0.4827
Gm04	38118941	38119072	Gmdrm	hypo	CHG	-0.6616
Gm04	38149858	38150343	Gmdrm	hypo	CHG	-0.0678
Gm04	38294502	38294573	Gmdrm	hypo	CHG	-0.074
Gm04	38317910	38318013	Gmdrm	hypo	CHG	-0.3586
Gm04	38372246	38372548	Gmdrm	hypo	CHG	-0.6931
Gm04	38373834	38374276	Gmdrm	hypo	CHG	-0.6732
Gm04	38375526	38375971	Gmdrm	hypo	CHG	-0.3886

Gm04	38393321	38393430	Gmdrm	hypo	CHG	-0.6923
Gm04	38394275	38394414	Gmdrm	hypo	CHG	-0.6429
Gm04	38394680	38394927	Gmdrm	hypo	CHG	-0.4816
Gm04	38425934	38426037	Gmdrm	hypo	CHG	-0.0675
Gm04	38430340	38430543	Gmdrm	hypo	CHG	-0.3325
Gm04	38548046	38548136	Gmdrm	hypo	CHG	-0.0333
Gm04	38575969	38576121	Gmdrm	hypo	CHG	-0.0479
Gm04	38666679	38666781	Gmdrm	hypo	CHG	-0.5917
Gm04	38669649	38669791	Gmdrm	hypo	CHG	-0.2622
Gm04	38684988	38685974	Gmdrm	hypo	CHG	-0.1724
Gm04	38692947	38693150	Gmdrm	hypo	CHG	-0.1264
Gm04	38693546	38693700	Gmdrm	hypo	CHG	-0.5977
Gm04	38702986	38703301	Gmdrm	hypo	CHG	-0.4825
Gm04	38714813	38715144	Gmdrm	hypo	CHG	-0.219
Gm04	38755335	38755552	Gmdrm	hypo	CHG	-0.835
Gm04	38755793	38755958	Gmdrm	hypo	CHG	-0.526
Gm04	38756189	38756525	Gmdrm	hypo	CHG	-0.838
Gm04	38785496	38785565	Gmdrm	hypo	CHG	-0.594
Gm04	38820136	38820337	Gmdrm	hypo	CHG	-0.3729
Gm04	38825956	38826172	Gmdrm	hypo	CHG	-0.615
Gm04	38826882	38827183	Gmdrm	hypo	CHG	-0.3757
Gm04	38827357	38827717	Gmdrm	hypo	CHG	-0.5694
Gm04	38830827	38831099	Gmdrm	hypo	CHG	-0.7762
Gm04	38831370	38831463	Gmdrm	hypo	CHG	-0.6762
Gm04	38862109	38862168	Gmdrm	hypo	CHG	-0.52
Gm04	38863495	38863553	Gmdrm	hypo	CHG	-0.0313
Gm04	38911983	38912120	Gmdrm	hypo	CHG	-0.4017
Gm04	38912650	38912845	Gmdrm	hypo	CHG	-0.1882
Gm04	38913627	38913797	Gmdrm	hypo	CHG	-0.498
Gm04	38918659	38918933	Gmdrm	hypo	CHG	-0.2423
Gm04	38928780	38928913	Gmdrm	hypo	CHG	-0.0688
Gm04	39042961	39043290	Gmdrm	hypo	CHG	-0.5514
Gm04	39043429	39043511	Gmdrm	hypo	CHG	-0.816
Gm04	39062637	39062789	Gmdrm	hypo	CHG	-0.433
Gm04	39076871	39077122	Gmdrm	hypo	CHG	-0.64
Gm04	39100609	39100635	Gmdrm	hypo	CHG	-0.415
Gm04	39101007	39101072	Gmdrm	hypo	CHG	-0.2084
Gm04	39105029	39105137	Gmdrm	hypo	CHG	-0.4516
Gm04	39105700	39105878	Gmdrm	hypo	CHG	-0.3677
Gm04	39106252	39106466	Gmdrm	hypo	CHG	-0.4361
Gm04	39106724	39106884	Gmdrm	hypo	CHG	-0.6838
Gm04	39119800	39119853	Gmdrm	hypo	CHG	-0.5733
Gm04	39122358	39122797	Gmdrm	hypo	CHG	-0.2746
Gm04	39126562	39126685	Gmdrm	hypo	CHG	-0.1683
Gm04	39138343	39138361	Gmdrm	hypo	CHG	-0.518
Gm04	39139176	39139292	Gmdrm	hypo	CHG	-0.46

Gm04	39144276	39144568	Gmdrm	hypo	CHG	-0.3127
Gm04	39144836	39144863	Gmdrm	hypo	CHG	-0.0683
Gm04	39156947	39157258	Gmdrm	hypo	CHG	-0.3793
Gm04	39163154	39163344	Gmdrm	hypo	CHG	-0.1894
Gm04	39216424	39216544	Gmdrm	hypo	CHG	-0.5725
Gm04	39217027	39217377	Gmdrm	hypo	CHG	-0.8706
Gm04	39270521	39270558	Gmdrm	hypo	CHG	-0.705
Gm04	39281037	39281342	Gmdrm	hypo	CHG	-0.4762
Gm04	39293374	39293495	Gmdrm	hypo	CHG	-0.4417
Gm04	39294764	39294951	Gmdrm	hypo	CHG	-0.0488
Gm04	39298734	39299151	Gmdrm	hypo	CHG	-0.3472
Gm04	39318674	39318787	Gmdrm	hypo	CHG	-0.052
Gm04	39320704	39321033	Gmdrm	hypo	CHG	-0.5056
Gm04	39423918	39424222	Gmdrm	hypo	CHG	-0.2006
Gm04	39429305	39429457	Gmdrm	hypo	CHG	-0.3938
Gm04	39459013	39459126	Gmdrm	hypo	CHG	-0.62
Gm04	39462216	39462314	Gmdrm	hypo	CHG	-0.544
Gm04	39465543	39465867	Gmdrm	hypo	CHG	-0.1942
Gm04	39542087	39542498	Gmdrm	hypo	CHG	-0.2173
Gm04	39543056	39543461	Gmdrm	hypo	CHG	-0.83
Gm04	39543683	39543871	Gmdrm	hypo	CHG	-0.4875
Gm04	39544486	39544693	Gmdrm	hypo	CHG	-0.65
Gm04	39667724	39667855	Gmdrm	hypo	CHG	-0.7325
Gm04	39755757	39755864	Gmdrm	hypo	CHG	-0.2627
Gm04	39805957	39806303	Gmdrm	hypo	CHG	-0.0467
Gm04	39860036	39860346	Gmdrm	hypo	CHG	-0.1239
Gm04	39869100	39869220	Gmdrm	hypo	CHG	-0.5567
Gm04	39869905	39870237	Gmdrm	hypo	CHG	-0.3522
Gm04	39927431	39927577	Gmdrm	hypo	CHG	-0.4683
Gm04	39932507	39932598	Gmdrm	hypo	CHG	-0.042
Gm04	39954019	39954227	Gmdrm	hypo	CHG	-0.273
Gm04	39954690	39954841	Gmdrm	hypo	CHG	-0.393
Gm04	40002747	40002957	Gmdrm	hypo	CHG	-0.1142
Gm04	40005245	40005332	Gmdrm	hypo	CHG	-0.2557
Gm04	40035071	40035253	Gmdrm	hypo	CHG	-0.8386
Gm04	40036016	40036087	Gmdrm	hypo	CHG	-0.102
Gm04	40062372	40062649	Gmdrm	hypo	CHG	-0.1808
Gm04	40062767	40062957	Gmdrm	hypo	CHG	-0.3589
Gm04	40084747	40084776	Gmdrm	hypo	CHG	-0.7083
Gm04	40087132	40087266	Gmdrm	hypo	CHG	-0.0628
Gm04	40093042	40093131	Gmdrm	hypo	CHG	-0.7687
Gm04	40111391	40111568	Gmdrm	hypo	CHG	-0.496
Gm04	40111671	40111741	Gmdrm	hypo	CHG	-0.076
Gm04	40147628	40147700	Gmdrm	hypo	CHG	-0.6717
Gm04	40147908	40148026	Gmdrm	hypo	CHG	-0.739
Gm04	40149388	40149584	Gmdrm	hypo	CHG	-0.0467

Gm04	40191880	40191969	Gmdrm	hypo	CHG	-0.5967
Gm04	40192382	40192439	Gmdrm	hypo	CHG	-0.744
Gm04	40205986	40206176	Gmdrm	hypo	CHG	-0.2233
Gm04	40214681	40215067	Gmdrm	hypo	CHG	-0.2035
Gm04	40220252	40220367	Gmdrm	hypo	CHG	-0.612
Gm04	40231221	40231467	Gmdrm	hypo	CHG	-0.1763
Gm04	40279812	40279978	Gmdrm	hypo	CHG	-0.1911
Gm04	40281125	40281291	Gmdrm	hypo	CHG	-0.3362
Gm04	40282799	40283179	Gmdrm	hypo	CHG	-0.2893
Gm04	40300668	40300897	Gmdrm	hypo	CHG	-0.4857
Gm04	40302627	40302654	Gmdrm	hypo	CHG	-0.036
Gm04	40312521	40312807	Gmdrm	hypo	CHG	-0.7429
Gm04	40312910	40313009	Gmdrm	hypo	CHG	-0.9263
Gm04	40314634	40314731	Gmdrm	hypo	CHG	-0.362
Gm04	40317253	40317344	Gmdrm	hypo	CHG	-0.31
Gm04	40335249	40335444	Gmdrm	hypo	CHG	-0.165
Gm04	40355633	40355806	Gmdrm	hypo	CHG	-0.5627
Gm04	40376279	40376522	Gmdrm	hypo	CHG	-0.2153
Gm04	40386313	40386428	Gmdrm	hypo	CHG	-0.3057
Gm04	40402113	40402253	Gmdrm	hypo	CHG	-0.247
Gm04	40408714	40409499	Gmdrm	hypo	CHG	-0.0571
Gm04	40423137	40423169	Gmdrm	hypo	CHG	-0.3833
Gm04	40445203	40445434	Gmdrm	hypo	CHG	-0.5183
Gm04	40445559	40445632	Gmdrm	hypo	CHG	-0.7784
Gm04	40445843	40446054	Gmdrm	hypo	CHG	-0.34
Gm04	40447786	40447891	Gmdrm	hypo	CHG	-0.6333
Gm04	40448162	40448374	Gmdrm	hypo	CHG	-0.73
Gm04	40448520	40448739	Gmdrm	hypo	CHG	-0.5542
Gm04	40508663	40508965	Gmdrm	hypo	CHG	-0.05
Gm04	40516830	40517021	Gmdrm	hypo	CHG	-0.2225
Gm04	40558122	40558240	Gmdrm	hypo	CHG	-0.4336
Gm04	40571454	40572095	Gmdrm	hypo	CHG	-0.3934
Gm04	40572197	40572283	Gmdrm	hypo	CHG	-0.6534
Gm04	40572475	40572651	Gmdrm	hypo	CHG	-0.6
Gm04	40660516	40660956	Gmdrm	hypo	CHG	-0.71
Gm04	40709972	40710004	Gmdrm	hypo	CHG	-0.6433
Gm04	40710172	40710265	Gmdrm	hypo	CHG	-0.5833
Gm04	40723311	40723449	Gmdrm	hypo	CHG	-0.4713
Gm04	40729222	40729465	Gmdrm	hypo	CHG	-0.3914
Gm04	40755240	40755441	Gmdrm	hypo	CHG	-0.2169
Gm04	40759633	40759740	Gmdrm	hypo	CHG	-0.612
Gm04	40783254	40783320	Gmdrm	hypo	CHG	-0.3914
Gm04	40804100	40804182	Gmdrm	hypo	CHG	-0.2533
Gm04	40804452	40804687	Gmdrm	hypo	CHG	-0.5889
Gm04	40813368	40813473	Gmdrm	hypo	CHG	-0.386
Gm04	40819479	40819659	Gmdrm	hypo	CHG	-0.2072

Gm04	40830146	40830318	Gmdrm	hypo	CHG	-0.535
Gm04	40835053	40835384	Gmdrm	hypo	CHG	-0.3125
Gm04	40835625	40835793	Gmdrm	hypo	CHG	-0.452
Gm04	40836040	40836193	Gmdrm	hypo	CHG	-0.6453
Gm04	40862279	40862561	Gmdrm	hypo	CHG	-0.1611
Gm04	40905973	40906369	Gmdrm	hypo	CHG	-0.383
Gm04	40906498	40906920	Gmdrm	hypo	CHG	-0.425
Gm04	40908942	40909105	Gmdrm	hypo	CHG	-0.4133
Gm04	40909404	40909465	Gmdrm	hypo	CHG	-0.2
Gm04	40922327	40922387	Gmdrm	hypo	CHG	-0.182
Gm04	40980451	40980611	Gmdrm	hypo	CHG	-0.4575
Gm04	40982984	40983125	Gmdrm	hypo	CHG	-0.4
Gm04	40984085	40984116	Gmdrm	hypo	CHG	-0.6029
Gm04	40984273	40984601	Gmdrm	hypo	CHG	-0.5523
Gm04	40996065	40996230	Gmdrm	hypo	CHG	-0.216
Gm04	41009255	41009299	Gmdrm	hypo	CHG	-0.4313
Gm04	41010867	41011605	Gmdrm	hypo	CHG	-0.2662
Gm04	41012944	41013263	Gmdrm	hypo	CHG	-0.5076
Gm04	41016708	41016850	Gmdrm	hypo	CHG	-0.8613
Gm04	41016995	41017114	Gmdrm	hypo	CHG	-0.6684
Gm04	41017215	41017344	Gmdrm	hypo	CHG	-0.2025
Gm04	41017720	41017815	Gmdrm	hypo	CHG	-0.3678
Gm04	41018198	41018448	Gmdrm	hypo	CHG	-0.2518
Gm04	41023846	41024421	Gmdrm	hypo	CHG	-0.2747
Gm04	41024881	41025110	Gmdrm	hypo	CHG	-0.114
Gm04	41025224	41025620	Gmdrm	hypo	CHG	-0.3125
Gm04	41057972	41058136	Gmdrm	hypo	CHG	-0.728
Gm04	41066867	41066965	Gmdrm	hypo	CHG	-0.08
Gm04	41070975	41071321	Gmdrm	hypo	CHG	-0.4627
Gm04	41166492	41166619	Gmdrm	hypo	CHG	-0.747
Gm04	41172278	41173197	Gmdrm	hypo	CHG	-0.25
Gm04	41176909	41177271	Gmdrm	hypo	CHG	-0.5762
Gm04	41177427	41177519	Gmdrm	hypo	CHG	-0.044
Gm04	41183127	41183298	Gmdrm	hypo	CHG	-0.5228
Gm04	41199954	41200220	Gmdrm	hypo	CHG	-0.7038
Gm04	41200327	41200349	Gmdrm	hypo	CHG	-0.78
Gm04	41201530	41202200	Gmdrm	hypo	CHG	-0.6806
Gm04	41202315	41202718	Gmdrm	hypo	CHG	-0.5328
Gm04	41211175	41211362	Gmdrm	hypo	CHG	-0.5325
Gm04	41216716	41216847	Gmdrm	hypo	CHG	-0.2533
Gm04	41217057	41217378	Gmdrm	hypo	CHG	-0.291
Gm04	41218540	41218791	Gmdrm	hypo	CHG	-0.5929
Gm04	41224014	41224303	Gmdrm	hypo	CHG	-0.3035
Gm04	41233993	41234049	Gmdrm	hypo	CHG	-0.57
Gm04	41234180	41234327	Gmdrm	hypo	CHG	-0.6189
Gm04	41234654	41234843	Gmdrm	hypo	CHG	-0.227

Gm04	41240075	41240204	Gmdrm	hypo	CHG	-0.4458
Gm04	41247959	41248155	Gmdrm	hypo	CHG	-0.089
Gm04	41278276	41278291	Gmdrm	hypo	CHG	-0.0767
Gm04	41292929	41293014	Gmdrm	hypo	CHG	-0.328
Gm04	41299795	41300184	Gmdrm	hypo	CHG	-0.2094
Gm04	41301098	41301183	Gmdrm	hypo	CHG	-0.314
Gm04	41301292	41301762	Gmdrm	hypo	CHG	-0.1818
Gm04	41303616	41303890	Gmdrm	hypo	CHG	-0.3115
Gm04	41304290	41304643	Gmdrm	hypo	CHG	-0.4971
Gm04	41310886	41311132	Gmdrm	hypo	CHG	-0.3789
Gm04	41311235	41311337	Gmdrm	hypo	CHG	-0.5667
Gm04	41368807	41369011	Gmdrm	hypo	CHG	-0.3644
Gm04	41371276	41371465	Gmdrm	hypo	CHG	-0.57
Gm04	41379327	41379775	Gmdrm	hypo	CHG	-0.2953
Gm04	41399157	41399251	Gmdrm	hypo	CHG	-0.5317
Gm04	41405263	41405433	Gmdrm	hypo	CHG	-0.5909
Gm04	41461800	41461966	Gmdrm	hypo	CHG	-0.0322
Gm04	41561170	41561644	Gmdrm	hypo	CHG	-0.204
Gm04	41567549	41567693	Gmdrm	hypo	CHG	-0.5963
Gm04	41568008	41568333	Gmdrm	hypo	CHG	-0.6
Gm04	41579856	41580015	Gmdrm	hypo	CHG	-0.16
Gm04	41580731	41580809	Gmdrm	hypo	CHG	-0.4671
Gm04	41581464	41581578	Gmdrm	hypo	CHG	-0.31
Gm04	41581691	41582097	Gmdrm	hypo	CHG	-0.2848
Gm04	41582639	41582916	Gmdrm	hypo	CHG	-0.2709
Gm04	41638870	41639015	Gmdrm	hypo	CHG	-0.052
Gm04	41643713	41643802	Gmdrm	hypo	CHG	-0.28
Gm04	41650024	41650083	Gmdrm	hypo	CHG	-0.5217
Gm04	41650321	41650459	Gmdrm	hypo	CHG	-0.554
Gm04	41662913	41662991	Gmdrm	hypo	CHG	-0.579
Gm04	41668076	41668440	Gmdrm	hypo	CHG	-0.3977
Gm04	41685393	41685594	Gmdrm	hypo	CHG	-0.084
Gm04	41704291	41704333	Gmdrm	hypo	CHG	-0.508
Gm04	41708884	41709137	Gmdrm	hypo	CHG	-0.6608
Gm04	41709277	41709405	Gmdrm	hypo	CHG	-0.7522
Gm04	41709509	41709621	Gmdrm	hypo	CHG	-0.564
Gm04	41709740	41709833	Gmdrm	hypo	CHG	-0.1767
Gm04	41710443	41710518	Gmdrm	hypo	CHG	-0.695
Gm04	41710730	41710962	Gmdrm	hypo	CHG	-0.3538
Gm04	41711617	41711680	Gmdrm	hypo	CHG	-0.616
Gm04	41711905	41712008	Gmdrm	hypo	CHG	-0.4216
Gm04	41717092	41717252	Gmdrm	hypo	CHG	-0.0317
Gm04	41742382	41742999	Gmdrm	hypo	CHG	-0.2668
Gm04	41772430	41772518	Gmdrm	hypo	CHG	-0.08
Gm04	41821757	41821837	Gmdrm	hypo	CHG	-0.4867
Gm04	41824807	41824838	Gmdrm	hypo	CHG	-0.8457

Gm04	41916214	41916356	Gmdrm	hypo	CHG	-0.0283
Gm04	41949170	41949369	Gmdrm	hypo	CHG	-0.841
Gm04	41949810	41950009	Gmdrm	hypo	CHG	-0.6887
Gm04	41951136	41951302	Gmdrm	hypo	CHG	-0.0612
Gm04	42051683	42051945	Gmdrm	hypo	CHG	-0.5309
Gm04	42052226	42052327	Gmdrm	hypo	CHG	-0.04
Gm04	42059259	42059335	Gmdrm	hypo	CHG	-0.786
Gm04	42073718	42073853	Gmdrm	hypo	CHG	-0.072
Gm04	42082852	42083146	Gmdrm	hypo	CHG	-0.1062
Gm04	42087022	42087138	Gmdrm	hypo	CHG	-0.465
Gm04	42088222	42088400	Gmdrm	hypo	CHG	-0.58
Gm04	42101485	42101896	Gmdrm	hypo	CHG	-0.5711
Gm04	42115039	42115229	Gmdrm	hypo	CHG	-0.1909
Gm04	42128875	42128977	Gmdrm	hypo	CHG	-0.67
Gm04	42176776	42177761	Gmdrm	hypo	CHG	-0.0784
Gm04	42235931	42236120	Gmdrm	hypo	CHG	-0.0433
Gm04	42296572	42296724	Gmdrm	hypo	CHG	-0.3267
Gm04	42308215	42308275	Gmdrm	hypo	CHG	-0.395
Gm04	42320647	42320819	Gmdrm	hypo	CHG	-0.36
Gm04	42321627	42321904	Gmdrm	hypo	CHG	-0.2528
Gm04	42348229	42348344	Gmdrm	hypo	CHG	-0.512
Gm04	42377492	42377579	Gmdrm	hypo	CHG	-0.576
Gm04	42384547	42384672	Gmdrm	hypo	CHG	-0.6164
Gm04	42387084	42387704	Gmdrm	hypo	CHG	-0.3061
Gm04	42393023	42393172	Gmdrm	hypo	CHG	-0.444
Gm04	42451982	42452254	Gmdrm	hypo	CHG	-0.3835
Gm04	42453664	42453694	Gmdrm	hypo	CHG	-0.4917
Gm04	42455449	42455637	Gmdrm	hypo	CHG	-0.939
Gm04	42459180	42459527	Gmdrm	hypo	CHG	-0.2424
Gm04	42467938	42468160	Gmdrm	hypo	CHG	-0.07
Gm04	42470444	42470547	Gmdrm	hypo	CHG	-0.044
Gm04	42471022	42471184	Gmdrm	hypo	CHG	-0.0417
Gm04	42497443	42498025	Gmdrm	hypo	CHG	-0.2813
Gm04	42498617	42498904	Gmdrm	hypo	CHG	-0.438
Gm04	42501936	42502016	Gmdrm	hypo	CHG	-0.515
Gm04	42520848	42521134	Gmdrm	hypo	CHG	-0.51
Gm04	42526179	42526418	Gmdrm	hypo	CHG	-0.504
Gm04	42563721	42563986	Gmdrm	hypo	CHG	-0.7069
Gm04	42564113	42564185	Gmdrm	hypo	CHG	-0.818
Gm04	42582925	42583303	Gmdrm	hypo	CHG	-0.3745
Gm04	42626887	42627378	Gmdrm	hypo	CHG	-0.8024
Gm04	42630165	42630243	Gmdrm	hypo	CHG	-0.6929
Gm04	42631934	42632019	Gmdrm	hypo	CHG	-0.7367
Gm04	42676761	42676866	Gmdrm	hypo	CHG	-0.048
Gm04	42721078	42721212	Gmdrm	hypo	CHG	-0.4333
Gm04	42730285	42730440	Gmdrm	hypo	CHG	-0.0463

Gm04	42742342	42742490	Gmdrm	hypo	CHG	-0.0683
Gm04	42743464	42743573	Gmdrm	hypo	CHG	-0.044
Gm04	42744769	42745005	Gmdrm	hypo	CHG	-0.787
Gm04	42745114	42745336	Gmdrm	hypo	CHG	-0.655
Gm04	42754688	42754801	Gmdrm	hypo	CHG	-0.2016
Gm04	42769433	42769708	Gmdrm	hypo	CHG	-0.0316
Gm04	42784592	42784724	Gmdrm	hypo	CHG	-0.6975
Gm04	42786290	42786410	Gmdrm	hypo	CHG	-0.6512
Gm04	42786780	42786907	Gmdrm	hypo	CHG	-0.763
Gm04	42787195	42787447	Gmdrm	hypo	CHG	-0.785
Gm04	42803986	42804391	Gmdrm	hypo	CHG	-0.4725
Gm04	42835621	42836001	Gmdrm	hypo	CHG	-0.0578
Gm04	42836209	42836268	Gmdrm	hypo	CHG	-0.745
Gm04	42844822	42844919	Gmdrm	hypo	CHG	-0.3928
Gm04	42846916	42847209	Gmdrm	hypo	CHG	-0.7861
Gm04	42855145	42855276	Gmdrm	hypo	CHG	-0.05
Gm04	42858318	42858365	Gmdrm	hypo	CHG	-0.718
Gm04	42910243	42910828	Gmdrm	hypo	CHG	-0.2331
Gm04	42918789	42918843	Gmdrm	hypo	CHG	-0.458
Gm04	42970777	42970875	Gmdrm	hypo	CHG	-0.5683
Gm04	42978102	42978478	Gmdrm	hypo	CHG	-0.2217
Gm04	42986028	42986100	Gmdrm	hypo	CHG	-0.68
Gm04	43008911	43009056	Gmdrm	hypo	CHG	-0.6353
Gm04	43009557	43009790	Gmdrm	hypo	CHG	-0.4283
Gm04	43034332	43034434	Gmdrm	hypo	CHG	-0.66
Gm04	43034581	43034606	Gmdrm	hypo	CHG	-0.822
Gm04	43036857	43037091	Gmdrm	hypo	CHG	-0.41
Gm04	43042092	43042335	Gmdrm	hypo	CHG	-0.22
Gm04	43060228	43060648	Gmdrm	hypo	CHG	-0.3722
Gm04	43061913	43061963	Gmdrm	hypo	CHG	-0.2
Gm04	43065818	43065930	Gmdrm	hypo	CHG	-0.586
Gm04	43067776	43068080	Gmdrm	hypo	CHG	-0.4319
Gm04	43068290	43068407	Gmdrm	hypo	CHG	-0.2371
Gm04	43107515	43107548	Gmdrm	hypo	CHG	-0.04
Gm04	43112630	43112949	Gmdrm	hypo	CHG	-0.3386
Gm04	43124040	43124218	Gmdrm	hypo	CHG	-0.7957
Gm04	43130411	43130486	Gmdrm	hypo	CHG	-0.9016
Gm04	43134423	43134792	Gmdrm	hypo	CHG	-0.0484
Gm04	43144141	43144436	Gmdrm	hypo	CHG	-0.0943
Gm04	43155308	43155406	Gmdrm	hypo	CHG	-0.54
Gm04	43172613	43172923	Gmdrm	hypo	CHG	-0.3794
Gm04	43177898	43178333	Gmdrm	hypo	CHG	-0.3547
Gm04	43198183	43198291	Gmdrm	hypo	CHG	-0.6675
Gm04	43198418	43198521	Gmdrm	hypo	CHG	-0.2762
Gm04	43219763	43220013	Gmdrm	hypo	CHG	-0.0386
Gm04	43265003	43265212	Gmdrm	hypo	CHG	-0.1808

Gm04	43265318	43265344	Gmdrm	hypo	CHG	-0.8484
Gm04	43265583	43265996	Gmdrm	hypo	CHG	-0.6109
Gm04	43312024	43312212	Gmdrm	hypo	CHG	-0.21
Gm04	43315776	43316182	Gmdrm	hypo	CHG	-0.334
Gm04	43316775	43316895	Gmdrm	hypo	CHG	-0.5116
Gm04	43329426	43329579	Gmdrm	hypo	CHG	-0.6333
Gm04	43363259	43363384	Gmdrm	hypo	CHG	-0.1592
Gm04	43388398	43388558	Gmdrm	hypo	CHG	-0.505
Gm04	43393004	43393460	Gmdrm	hypo	CHG	-0.727
Gm04	43398666	43398908	Gmdrm	hypo	CHG	-0.3384
Gm04	43408262	43408373	Gmdrm	hypo	CHG	-0.6067
Gm04	43424689	43424743	Gmdrm	hypo	CHG	-0.5217
Gm04	43481085	43481263	Gmdrm	hypo	CHG	-0.29
Gm04	43481408	43481759	Gmdrm	hypo	CHG	-0.5135
Gm04	43482376	43482414	Gmdrm	hypo	CHG	-0.795
Gm04	43482575	43483014	Gmdrm	hypo	CHG	-0.4716
Gm04	43484349	43484486	Gmdrm	hypo	CHG	-0.414
Gm04	43494261	43494382	Gmdrm	hypo	CHG	-0.03
Gm04	43494986	43495157	Gmdrm	hypo	CHG	-0.6024
Gm04	43495755	43495896	Gmdrm	hypo	CHG	-0.45
Gm04	43498062	43498174	Gmdrm	hypo	CHG	-0.941
Gm04	43498522	43498919	Gmdrm	hypo	CHG	-0.8155
Gm04	43516308	43516538	Gmdrm	hypo	CHG	-0.535
Gm04	43521100	43521639	Gmdrm	hypo	CHG	-0.6338
Gm04	43523537	43523781	Gmdrm	hypo	CHG	-0.5387
Gm04	43530752	43530991	Gmdrm	hypo	CHG	-0.6308
Gm04	43532262	43532540	Gmdrm	hypo	CHG	-0.033
Gm04	43532663	43532806	Gmdrm	hypo	CHG	-0.551
Gm04	43533542	43533937	Gmdrm	hypo	CHG	-0.2
Gm04	43536270	43536564	Gmdrm	hypo	CHG	-0.3006
Gm04	43539455	43539703	Gmdrm	hypo	CHG	-0.7423
Gm04	43545461	43545600	Gmdrm	hypo	CHG	-0.062
Gm04	43597032	43597470	Gmdrm	hypo	CHG	-0.56
Gm04	43597890	43598134	Gmdrm	hypo	CHG	-0.635
Gm04	43598246	43598697	Gmdrm	hypo	CHG	-0.212
Gm04	43598992	43599214	Gmdrm	hypo	CHG	-0.2422
Gm04	43599317	43599528	Gmdrm	hypo	CHG	-0.35
Gm04	43599808	43599851	Gmdrm	hypo	CHG	-0.4234
Gm04	43600230	43600465	Gmdrm	hypo	CHG	-0.4436
Gm04	43601036	43601208	Gmdrm	hypo	CHG	-0.2554
Gm04	43602111	43602314	Gmdrm	hypo	CHG	-0.5685
Gm04	43602546	43602715	Gmdrm	hypo	CHG	-0.6312
Gm04	43644504	43644687	Gmdrm	hypo	CHG	-0.0329
Gm04	43656420	43656685	Gmdrm	hypo	CHG	-0.3711
Gm04	43656985	43657088	Gmdrm	hypo	CHG	-0.45
Gm04	43657189	43657262	Gmdrm	hypo	CHG	-0.5012

Gm04	43657483	43657538	Gmdrm	hypo	CHG	-0.196
Gm04	43659298	43659435	Gmdrm	hypo	CHG	-0.4588
Gm04	43661295	43661380	Gmdrm	hypo	CHG	-0.536
Gm04	43663506	43663620	Gmdrm	hypo	CHG	-0.7737
Gm04	43663737	43663849	Gmdrm	hypo	CHG	-0.7616
Gm04	43666126	43666251	Gmdrm	hypo	CHG	-0.775
Gm04	43666401	43666504	Gmdrm	hypo	CHG	-0.7526
Gm04	43675554	43675590	Gmdrm	hypo	CHG	-0.3183
Gm04	43677004	43677224	Gmdrm	hypo	CHG	-0.3573
Gm04	43677680	43677842	Gmdrm	hypo	CHG	-0.33
Gm04	43701954	43702368	Gmdrm	hypo	CHG	-0.5807
Gm04	43702475	43702591	Gmdrm	hypo	CHG	-0.5925
Gm04	43713081	43713260	Gmdrm	hypo	CHG	-0.47
Gm04	43735155	43735305	Gmdrm	hypo	CHG	-0.326
Gm04	43747214	43747362	Gmdrm	hypo	CHG	-0.525
Gm04	43747857	43748038	Gmdrm	hypo	CHG	-0.5746
Gm04	43762736	43762850	Gmdrm	hypo	CHG	-0.085
Gm04	43763939	43764432	Gmdrm	hypo	CHG	-0.085
Gm04	43764978	43765332	Gmdrm	hypo	CHG	-0.1842
Gm04	43771634	43772606	Gmdrm	hypo	CHG	-0.2165
Gm04	43772637	43773637	Gmdrm	hypo	CHG	-0.1522
Gm04	43773874	43774118	Gmdrm	hypo	CHG	-0.24
Gm04	43785580	43785791	Gmdrm	hypo	CHG	-0.045
Gm04	43787841	43788322	Gmdrm	hypo	CHG	-0.1817
Gm04	43788943	43789943	Gmdrm	hypo	CHG	-0.2494
Gm04	43789945	43790430	Gmdrm	hypo	CHG	-0.1375
Gm04	43792454	43792561	Gmdrm	hypo	CHG	-0.055
Gm04	43793896	43794206	Gmdrm	hypo	CHG	-0.186
Gm04	43794330	43795172	Gmdrm	hypo	CHG	-0.3019
Gm04	43798090	43799088	Gmdrm	hypo	CHG	-0.2467
Gm04	43803969	43804189	Gmdrm	hypo	CHG	-0.0483
Gm04	43807478	43807989	Gmdrm	hypo	CHG	-0.1232
Gm04	43814651	43815131	Gmdrm	hypo	CHG	-0.2139
Gm04	43832433	43832702	Gmdrm	hypo	CHG	-0.3116
Gm04	43837985	43838046	Gmdrm	hypo	CHG	-0.1774
Gm04	43838301	43838362	Gmdrm	hypo	CHG	-0.2867
Gm04	43858088	43858214	Gmdrm	hypo	CHG	-0.535
Gm04	43872098	43872188	Gmdrm	hypo	CHG	-0.0967
Gm04	43872344	43872533	Gmdrm	hypo	CHG	-0.7122
Gm04	43872634	43872727	Gmdrm	hypo	CHG	-0.576
Gm04	43874093	43874212	Gmdrm	hypo	CHG	-0.3024
Gm04	43893055	43893147	Gmdrm	hypo	CHG	-0.6967
Gm04	43893249	43893478	Gmdrm	hypo	CHG	-0.7318
Gm04	43915656	43916109	Gmdrm	hypo	CHG	-0.4221
Gm04	43916444	43916849	Gmdrm	hypo	CHG	-0.4308
Gm04	43918639	43918748	Gmdrm	hypo	CHG	-0.6186

Gm04	43918850	43918877	Gmdrm	hypo	CHG	-0.518
Gm04	43950311	43950648	Gmdrm	hypo	CHG	-0.3024
Gm04	43957166	43957329	Gmdrm	hypo	CHG	-0.88
Gm04	43960411	43960504	Gmdrm	hypo	CHG	-0.542
Gm04	43979772	43979812	Gmdrm	hypo	CHG	-0.7934
Gm04	44034808	44035033	Gmdrm	hypo	CHG	-0.3989
Gm04	44049969	44050091	Gmdrm	hypo	CHG	-0.7515
Gm04	44081401	44082053	Gmdrm	hypo	CHG	-0.5411
Gm04	44084339	44084426	Gmdrm	hypo	CHG	-0.0383
Gm04	44090136	44090194	Gmdrm	hypo	CHG	-0.375
Gm04	44101752	44102063	Gmdrm	hypo	CHG	-0.026
Gm04	44106602	44107596	Gmdrm	hypo	CHG	-0.2146
Gm04	44134317	44134476	Gmdrm	hypo	CHG	-0.7538
Gm04	44136203	44136457	Gmdrm	hypo	CHG	-0.7963
Gm04	44144260	44144678	Gmdrm	hypo	CHG	-0.5208
Gm04	44151324	44151712	Gmdrm	hypo	CHG	-0.5317
Gm04	44166550	44166715	Gmdrm	hypo	CHG	-0.2983
Gm04	44171155	44171331	Gmdrm	hypo	CHG	-0.5338
Gm04	44208903	44209260	Gmdrm	hypo	CHG	-0.0434
Gm04	44210802	44210997	Gmdrm	hypo	CHG	-0.05
Gm04	44222111	44222162	Gmdrm	hypo	CHG	-0.28
Gm04	44234367	44234647	Gmdrm	hypo	CHG	-0.182
Gm04	44246930	44247206	Gmdrm	hypo	CHG	-0.265
Gm04	44247760	44247943	Gmdrm	hypo	CHG	-0.253
Gm04	44253317	44253385	Gmdrm	hypo	CHG	-0.7414
Gm04	44253648	44254332	Gmdrm	hypo	CHG	-0.173
Gm04	44282936	44282975	Gmdrm	hypo	CHG	-0.208
Gm04	44284611	44284795	Gmdrm	hypo	CHG	-0.5814
Gm04	44302493	44302813	Gmdrm	hypo	CHG	-0.0309
Gm04	44307574	44307676	Gmdrm	hypo	CHG	-0.7567
Gm04	44307833	44308194	Gmdrm	hypo	CHG	-0.6875
Gm04	44308408	44308619	Gmdrm	hypo	CHG	-0.6658
Gm04	44309510	44309606	Gmdrm	hypo	CHG	-0.5375
Gm04	44309964	44310522	Gmdrm	hypo	CHG	-0.4788
Gm04	44319600	44319716	Gmdrm	hypo	CHG	-0.3933
Gm04	44321110	44321396	Gmdrm	hypo	CHG	-0.2508
Gm04	44322136	44322377	Gmdrm	hypo	CHG	-0.231
Gm04	44327096	44327162	Gmdrm	hypo	CHG	-0.5943
Gm04	44344939	44345055	Gmdrm	hypo	CHG	-0.385
Gm04	44345580	44345780	Gmdrm	hypo	CHG	-0.6314
Gm04	44345950	44346039	Gmdrm	hypo	CHG	-0.4475
Gm04	44349457	44349613	Gmdrm	hypo	CHG	-0.1891
Gm04	44351919	44352263	Gmdrm	hypo	CHG	-0.4944
Gm04	44358838	44359145	Gmdrm	hypo	CHG	-0.2982
Gm04	44365107	44365329	Gmdrm	hypo	CHG	-0.082
Gm04	44370618	44370738	Gmdrm	hypo	CHG	-0.735

Gm04	44380841	44381076	Gmdrm	hypo	CHG	-0.6828
Gm04	44381905	44382178	Gmdrm	hypo	CHG	-0.5743
Gm04	44382864	44383172	Gmdrm	hypo	CHG	-0.2809
Gm04	44424411	44424709	Gmdrm	hypo	CHG	-0.6466
Gm04	44432428	44432938	Gmdrm	hypo	CHG	-0.1822
Gm04	44433684	44433809	Gmdrm	hypo	CHG	-0.3586
Gm04	44440760	44441013	Gmdrm	hypo	CHG	-0.35
Gm04	44445441	44445646	Gmdrm	hypo	CHG	-0.0613
Gm04	44461949	44462114	Gmdrm	hypo	CHG	-0.41
Gm04	44467899	44467998	Gmdrm	hypo	CHG	-0.49
Gm04	44471508	44471623	Gmdrm	hypo	CHG	-0.398
Gm04	44476550	44476610	Gmdrm	hypo	CHG	-0.73
Gm04	44484083	44484237	Gmdrm	hypo	CHG	-0.0887
Gm04	44486210	44486286	Gmdrm	hypo	CHG	-0.066
Gm04	44487398	44487607	Gmdrm	hypo	CHG	-0.1186
Gm04	44499677	44500156	Gmdrm	hypo	CHG	-0.8268
Gm04	44508123	44508840	Gmdrm	hypo	CHG	-0.6342
Gm04	44535848	44536124	Gmdrm	hypo	CHG	-0.0633
Gm04	44554940	44555125	Gmdrm	hypo	CHG	-0.1033
Gm04	44567942	44567993	Gmdrm	hypo	CHG	-0.3933
Gm04	44575916	44575998	Gmdrm	hypo	CHG	-0.3015
Gm04	44582363	44583004	Gmdrm	hypo	CHG	-0.2524
Gm04	44615237	44615462	Gmdrm	hypo	CHG	-0.54
Gm04	44615862	44616015	Gmdrm	hypo	CHG	-0.733
Gm04	44626350	44627123	Gmdrm	hypo	CHG	-0.2395
Gm04	44633141	44633313	Gmdrm	hypo	CHG	-0.078
Gm04	44635298	44635391	Gmdrm	hypo	CHG	-0.4714
Gm04	44640874	44641180	Gmdrm	hypo	CHG	-0.52
Gm04	44642034	44642213	Gmdrm	hypo	CHG	-0.2125
Gm04	44648008	44648081	Gmdrm	hypo	CHG	-0.5618
Gm04	44654949	44655141	Gmdrm	hypo	CHG	-0.045
Gm04	44662883	44663286	Gmdrm	hypo	CHG	-0.6685
Gm04	44664997	44665082	Gmdrm	hypo	CHG	-0.5929
Gm04	44674005	44674143	Gmdrm	hypo	CHG	-0.0913
Gm04	44675676	44675808	Gmdrm	hypo	CHG	-0.0583
Gm04	44679272	44679471	Gmdrm	hypo	CHG	-0.074
Gm04	44682343	44682498	Gmdrm	hypo	CHG	-0.7869
Gm04	44708619	44708674	Gmdrm	hypo	CHG	-0.135
Gm04	44708944	44709031	Gmdrm	hypo	CHG	-0.3833
Gm04	44717136	44717578	Gmdrm	hypo	CHG	-0.3962
Gm04	44740719	44740759	Gmdrm	hypo	CHG	-0.708
Gm04	44755447	44755626	Gmdrm	hypo	CHG	-0.2114
Gm04	44756537	44756861	Gmdrm	hypo	CHG	-0.666
Gm04	44756962	44757076	Gmdrm	hypo	CHG	-0.8456
Gm04	44757240	44757518	Gmdrm	hypo	CHG	-0.7584
Gm04	44764164	44764296	Gmdrm	hypo	CHG	-0.6887

Gm04	44764457	44764706	Gmdrm	hypo	CHG	-0.6685
Gm04	44770044	44770142	Gmdrm	hypo	CHG	-0.736
Gm04	44788666	44788907	Gmdrm	hypo	CHG	-0.0433
Gm04	44797144	44797314	Gmdrm	hypo	CHG	-0.7656
Gm04	44826535	44826774	Gmdrm	hypo	CHG	-0.56
Gm04	44836394	44836454	Gmdrm	hypo	CHG	-0.8057
Gm04	44838883	44839006	Gmdrm	hypo	CHG	-0.7986
Gm04	44851594	44851768	Gmdrm	hypo	CHG	-0.0386
Gm04	44861598	44861754	Gmdrm	hypo	CHG	-0.094
Gm04	44874182	44874292	Gmdrm	hypo	CHG	-0.65
Gm04	44876059	44876333	Gmdrm	hypo	CHG	-0.6428
Gm04	44876468	44876621	Gmdrm	hypo	CHG	-0.6233
Gm04	44877325	44877759	Gmdrm	hypo	CHG	-0.691
Gm04	44878017	44878176	Gmdrm	hypo	CHG	-0.7462
Gm04	44884160	44884363	Gmdrm	hypo	CHG	-0.2311
Gm04	44889728	44889861	Gmdrm	hypo	CHG	-0.064
Gm04	44902909	44903138	Gmdrm	hypo	CHG	-0.69
Gm04	44910290	44910403	Gmdrm	hypo	CHG	-0.31
Gm04	44922026	44922123	Gmdrm	hypo	CHG	-0.27
Gm04	44925428	44925668	Gmdrm	hypo	CHG	-0.6577
Gm04	44941971	44942197	Gmdrm	hypo	CHG	-0.5341
Gm04	44942476	44942762	Gmdrm	hypo	CHG	-0.4233
Gm04	44942944	44943138	Gmdrm	hypo	CHG	-0.7377
Gm04	44943674	44943849	Gmdrm	hypo	CHG	-0.3615
Gm04	44949584	44949761	Gmdrm	hypo	CHG	-0.7043
Gm04	44956282	44956383	Gmdrm	hypo	CHG	-0.4443
Gm04	44959425	44959894	Gmdrm	hypo	CHG	-0.1916
Gm04	44964405	44965282	Gmdrm	hypo	CHG	-0.0997
Gm04	44969634	44969749	Gmdrm	hypo	CHG	-0.5767
Gm04	44970832	44971076	Gmdrm	hypo	CHG	-0.1959
Gm04	44972604	44972948	Gmdrm	hypo	CHG	-0.0618
Gm04	44983212	44983630	Gmdrm	hypo	CHG	-0.3156
Gm04	44997200	44997219	Gmdrm	hypo	CHG	-0.902
Gm04	45000570	45000920	Gmdrm	hypo	CHG	-0.7595
Gm04	45001216	45001372	Gmdrm	hypo	CHG	-0.6462
Gm04	45022981	45023292	Gmdrm	hypo	CHG	-0.7953
Gm04	45027484	45027920	Gmdrm	hypo	CHG	-0.3624
Gm04	45028096	45028161	Gmdrm	hypo	CHG	-0.072
Gm04	45039740	45039899	Gmdrm	hypo	CHG	-0.892
Gm04	45042547	45042788	Gmdrm	hypo	CHG	-0.074
Gm04	45077000	45077172	Gmdrm	hypo	CHG	-0.0377
Gm04	45109332	45109431	Gmdrm	hypo	CHG	-0.06
Gm04	45124944	45125126	Gmdrm	hypo	CHG	-0.2341
Gm04	45126112	45126398	Gmdrm	hypo	CHG	-0.2405
Gm04	45136355	45136721	Gmdrm	hypo	CHG	-0.5012
Gm04	45156103	45156290	Gmdrm	hypo	CHG	-0.495

Gm04	45202115	45203061	Gmdrm	hypo	CHG	-0.229
Gm04	45215447	45215908	Gmdrm	hypo	CHG	-0.128
Gm04	45238021	45238339	Gmdrm	hypo	CHG	-0.04
Gm04	45242548	45242648	Gmdrm	hypo	CHG	-0.8186
Gm04	45242821	45242972	Gmdrm	hypo	CHG	-0.5222
Gm04	45246387	45246516	Gmdrm	hypo	CHG	-0.704
Gm04	45248715	45248983	Gmdrm	hypo	CHG	-0.3286
Gm04	45257845	45258250	Gmdrm	hypo	CHG	-0.0263
Gm04	45298985	45299215	Gmdrm	hypo	CHG	-0.4155
Gm04	45300010	45300065	Gmdrm	hypo	CHG	-0.68
Gm04	45300241	45300329	Gmdrm	hypo	CHG	-0.694
Gm04	45309710	45309807	Gmdrm	hypo	CHG	-0.8338
Gm04	45313684	45313864	Gmdrm	hypo	CHG	-0.09
Gm04	45317630	45317892	Gmdrm	hypo	CHG	-0.4381
Gm04	45335879	45336055	Gmdrm	hypo	CHG	-0.0367
Gm04	45336300	45336587	Gmdrm	hypo	CHG	-0.5258
Gm04	45346116	45346516	Gmdrm	hypo	CHG	-0.7489
Gm04	45349260	45349436	Gmdrm	hypo	CHG	-0.0343
Gm04	45366742	45367020	Gmdrm	hypo	CHG	-0.362
Gm04	45380833	45381231	Gmdrm	hypo	CHG	-0.724
Gm04	45382057	45382503	Gmdrm	hypo	CHG	-0.21
Gm04	45385921	45385967	Gmdrm	hypo	CHG	-0.146
Gm04	45390602	45390668	Gmdrm	hypo	CHG	-0.612
Gm04	45396166	45396513	Gmdrm	hypo	CHG	-0.1368
Gm04	45404103	45404518	Gmdrm	hypo	CHG	-0.4587
Gm04	45411843	45411907	Gmdrm	hypo	CHG	-0.105
Gm04	45412273	45412301	Gmdrm	hypo	CHG	-0.772
Gm04	45423276	45423429	Gmdrm	hypo	CHG	-0.04
Gm04	45433736	45433797	Gmdrm	hypo	CHG	-0.83
Gm04	45434016	45434183	Gmdrm	hypo	CHG	-0.9221
Gm04	45434445	45434595	Gmdrm	hypo	CHG	-0.8969
Gm04	45437095	45437207	Gmdrm	hypo	CHG	-0.026
Gm04	45447322	45447390	Gmdrm	hypo	CHG	-0.4334
Gm04	45453174	45453307	Gmdrm	hypo	CHG	-0.5946
Gm04	45457897	45458146	Gmdrm	hypo	CHG	-0.4045
Gm04	45469815	45470220	Gmdrm	hypo	CHG	-0.6032
Gm04	45470440	45470532	Gmdrm	hypo	CHG	-0.6434
Gm04	45498263	45498879	Gmdrm	hypo	CHG	-0.3339
Gm04	45514849	45515097	Gmdrm	hypo	CHG	-0.2912
Gm04	45517768	45517903	Gmdrm	hypo	CHG	-0.3362
Gm04	45522796	45523151	Gmdrm	hypo	CHG	-0.3656
Gm04	45532679	45533634	Gmdrm	hypo	CHG	-0.131
Gm04	45552205	45552487	Gmdrm	hypo	CHG	-0.584
Gm04	45555697	45555891	Gmdrm	hypo	CHG	-0.0839
Gm04	45572577	45572834	Gmdrm	hypo	CHG	-0.654
Gm04	45573422	45573511	Gmdrm	hypo	CHG	-0.1738

Gm04	45573650	45573927	Gmdrm	hypo	CHG	-0.58
Gm04	45598104	45598309	Gmdrm	hypo	CHG	-0.5883
Gm04	45599858	45599985	Gmdrm	hypo	CHG	-0.034
Gm04	45602360	45602431	Gmdrm	hypo	CHG	-0.7834
Gm04	45603824	45603888	Gmdrm	hypo	CHG	-0.4966
Gm04	45604441	45604571	Gmdrm	hypo	CHG	-0.5366
Gm04	45622253	45622330	Gmdrm	hypo	CHG	-0.305
Gm04	45634608	45634646	Gmdrm	hypo	CHG	-0.4067
Gm04	45636907	45636988	Gmdrm	hypo	CHG	-0.432
Gm04	45638944	45639013	Gmdrm	hypo	CHG	-0.845
Gm04	45649614	45649738	Gmdrm	hypo	CHG	-0.4629
Gm04	45650676	45651152	Gmdrm	hypo	CHG	-0.1469
Gm04	45651499	45651683	Gmdrm	hypo	CHG	-0.4743
Gm04	45652377	45652470	Gmdrm	hypo	CHG	-0.6213
Gm04	45658188	45658408	Gmdrm	hypo	CHG	-0.4912
Gm04	45664209	45664320	Gmdrm	hypo	CHG	-0.5999
Gm04	45666844	45667154	Gmdrm	hypo	CHG	-0.0813
Gm04	45679525	45679757	Gmdrm	hypo	CHG	-0.5688
Gm04	45679887	45680015	Gmdrm	hypo	CHG	-0.2717
Gm04	45680297	45680522	Gmdrm	hypo	CHG	-0.038
Gm04	45683703	45683985	Gmdrm	hypo	CHG	-0.0301
Gm04	45697829	45698047	Gmdrm	hypo	CHG	-0.5917
Gm04	45711595	45711792	Gmdrm	hypo	CHG	-0.4713
Gm04	45712083	45712366	Gmdrm	hypo	CHG	-0.7209
Gm04	45712469	45712524	Gmdrm	hypo	CHG	-0.6866
Gm04	45714435	45714507	Gmdrm	hypo	CHG	-0.2688
Gm04	45719526	45719634	Gmdrm	hypo	CHG	-0.064
Gm04	45741544	45741734	Gmdrm	hypo	CHG	-0.5715
Gm04	45742767	45742898	Gmdrm	hypo	CHG	-0.5075
Gm04	45751111	45751323	Gmdrm	hypo	CHG	-0.6388
Gm04	45755856	45755972	Gmdrm	hypo	CHG	-0.095
Gm04	45759366	45759592	Gmdrm	hypo	CHG	-0.4257
Gm04	45765820	45766073	Gmdrm	hypo	CHG	-0.4192
Gm04	45776308	45776400	Gmdrm	hypo	CHG	-0.462
Gm04	45861793	45861907	Gmdrm	hypo	CHG	-0.5845
Gm04	45862302	45862678	Gmdrm	hypo	CHG	-0.5567
Gm04	45865911	45866044	Gmdrm	hypo	CHG	-0.8423
Gm04	45871039	45871175	Gmdrm	hypo	CHG	-0.504
Gm04	45893375	45893454	Gmdrm	hypo	CHG	-0.3638
Gm04	45895643	45895754	Gmdrm	hypo	CHG	-0.1767
Gm04	45895903	45896019	Gmdrm	hypo	CHG	-0.206
Gm04	45901628	45902009	Gmdrm	hypo	CHG	-0.6359
Gm04	45903783	45903842	Gmdrm	hypo	CHG	-0.6683
Gm04	45917822	45918002	Gmdrm	hypo	CHG	-0.5533
Gm04	45918150	45918264	Gmdrm	hypo	CHG	-0.5183
Gm04	45918472	45918594	Gmdrm	hypo	CHG	-0.444

Gm04	45946653	45946755	Gmdrm	hypo	CHG	-0.5776
Gm04	45951045	45951345	Gmdrm	hypo	CHG	-0.8655
Gm04	45951539	45951570	Gmdrm	hypo	CHG	-0.9
Gm04	45958675	45959284	Gmdrm	hypo	CHG	-0.1066
Gm04	46005621	46005651	Gmdrm	hypo	CHG	-0.764
Gm04	46009623	46009778	Gmdrm	hypo	CHG	-0.2083
Gm04	46014348	46014393	Gmdrm	hypo	CHG	-0.8067
Gm04	46017139	46017301	Gmdrm	hypo	CHG	-0.1975
Gm04	46024201	46024290	Gmdrm	hypo	CHG	-0.5267
Gm04	46050171	46050318	Gmdrm	hypo	CHG	-0.4907
Gm04	46069099	46069243	Gmdrm	hypo	CHG	-0.0989
Gm04	46075184	46075614	Gmdrm	hypo	CHG	-0.2236
Gm04	46109080	46109665	Gmdrm	hypo	CHG	-0.1578
Gm04	46109927	46110180	Gmdrm	hypo	CHG	-0.4057
Gm04	46110303	46110441	Gmdrm	hypo	CHG	-0.4357
Gm04	46148310	46148491	Gmdrm	hypo	CHG	-0.7733
Gm04	46150222	46150550	Gmdrm	hypo	CHG	-0.7414
Gm04	46150795	46150951	Gmdrm	hypo	CHG	-0.7014
Gm04	46155114	46155158	Gmdrm	hypo	CHG	-0.5476
Gm04	46155356	46155402	Gmdrm	hypo	CHG	-0.915
Gm04	46155824	46155934	Gmdrm	hypo	CHG	-0.906
Gm04	46156098	46156213	Gmdrm	hypo	CHG	-0.7234
Gm04	46158350	46158379	Gmdrm	hypo	CHG	-0.9467
Gm04	46158622	46158769	Gmdrm	hypo	CHG	-0.7125
Gm04	46168191	46168464	Gmdrm	hypo	CHG	-0.05
Gm04	46170291	46170393	Gmdrm	hypo	CHG	-0.146
Gm04	46171023	46171222	Gmdrm	hypo	CHG	-0.5762
Gm04	46177625	46177669	Gmdrm	hypo	CHG	-0.8038
Gm04	46183575	46183800	Gmdrm	hypo	CHG	-0.359
Gm04	46187880	46188060	Gmdrm	hypo	CHG	-0.03
Gm04	46196730	46196844	Gmdrm	hypo	CHG	-0.3067
Gm04	46198725	46198786	Gmdrm	hypo	CHG	-0.044
Gm04	46211376	46211569	Gmdrm	hypo	CHG	-0.584
Gm04	46214670	46214818	Gmdrm	hypo	CHG	-0.5283
Gm04	46242154	46243124	Gmdrm	hypo	CHG	-0.2996
Gm04	46243203	46243616	Gmdrm	hypo	CHG	-0.5704
Gm04	46255560	46255765	Gmdrm	hypo	CHG	-0.0517
Gm04	46263196	46263777	Gmdrm	hypo	CHG	-0.1846
Gm04	46272454	46272669	Gmdrm	hypo	CHG	-0.151
Gm04	46273171	46273184	Gmdrm	hypo	CHG	-0.676
Gm04	46273610	46273647	Gmdrm	hypo	CHG	-0.585
Gm04	46277589	46277851	Gmdrm	hypo	CHG	-0.1956
Gm04	46278245	46278675	Gmdrm	hypo	CHG	-0.5564
Gm04	46278822	46279314	Gmdrm	hypo	CHG	-0.6271
Gm04	46279474	46280471	Gmdrm	hypo	CHG	-0.5509
Gm04	46311332	46311437	Gmdrm	hypo	CHG	-0.3117

Gm04	46353119	46353276	Gmdrm	hypo	CHG	-0.3663
Gm04	46355369	46355853	Gmdrm	hypo	CHG	-0.7814
Gm04	46356872	46356995	Gmdrm	hypo	CHG	-0.6717
Gm04	46372627	46372824	Gmdrm	hypo	CHG	-0.716
Gm04	46396117	46396247	Gmdrm	hypo	CHG	-0.9
Gm04	46396428	46396973	Gmdrm	hypo	CHG	-0.8752
Gm04	46397141	46397474	Gmdrm	hypo	CHG	-0.7893
Gm04	46404034	46404137	Gmdrm	hypo	CHG	-0.042
Gm04	46414816	46415157	Gmdrm	hypo	CHG	-0.7738
Gm04	46422610	46422909	Gmdrm	hypo	CHG	-0.11
Gm04	46427143	46427273	Gmdrm	hypo	CHG	-0.06
Gm04	46427669	46427846	Gmdrm	hypo	CHG	-0.086
Gm04	46445790	46446028	Gmdrm	hypo	CHG	-0.7791
Gm04	46450014	46450107	Gmdrm	hypo	CHG	-0.0357
Gm04	46454339	46454528	Gmdrm	hypo	CHG	-0.0343
Gm04	46467803	46467894	Gmdrm	hypo	CHG	-0.032
Gm04	46470320	46470909	Gmdrm	hypo	CHG	-0.0257
Gm04	46472129	46472368	Gmdrm	hypo	CHG	-0.0395
Gm04	46545432	46545508	Gmdrm	hypo	CHG	-0.074
Gm04	46557565	46557896	Gmdrm	hypo	CHG	-0.6073
Gm04	46558988	46559147	Gmdrm	hypo	CHG	-0.2713
Gm04	46567704	46567854	Gmdrm	hypo	CHG	-0.6775
Gm04	46569110	46569214	Gmdrm	hypo	CHG	-0.6591
Gm04	46569458	46570169	Gmdrm	hypo	CHG	-0.6671
Gm04	46573162	46573508	Gmdrm	hypo	CHG	-0.4216
Gm04	46578966	46579234	Gmdrm	hypo	CHG	-0.32
Gm04	46579664	46579883	Gmdrm	hypo	CHG	-0.138
Gm04	46585251	46585713	Gmdrm	hypo	CHG	-0.7737
Gm04	46586248	46586416	Gmdrm	hypo	CHG	-0.7325
Gm04	46604622	46604748	Gmdrm	hypo	CHG	-0.58
Gm04	46614502	46614621	Gmdrm	hypo	CHG	-0.032
Gm04	46620855	46621155	Gmdrm	hypo	CHG	-0.7135
Gm04	46653499	46653632	Gmdrm	hypo	CHG	-0.5528
Gm04	46659475	46660239	Gmdrm	hypo	CHG	-0.2074
Gm04	46663419	46663759	Gmdrm	hypo	CHG	-0.049
Gm04	46669138	46670056	Gmdrm	hypo	CHG	-0.2542
Gm04	46682266	46682954	Gmdrm	hypo	CHG	-0.5774
Gm04	46704711	46704858	Gmdrm	hypo	CHG	-0.138
Gm04	46705273	46705465	Gmdrm	hypo	CHG	-0.0717
Gm04	46709941	46710016	Gmdrm	hypo	CHG	-0.7588
Gm04	46710255	46710383	Gmdrm	hypo	CHG	-0.6978
Gm04	46724790	46725081	Gmdrm	hypo	CHG	-0.0528
Gm04	46759557	46759586	Gmdrm	hypo	CHG	-0.7217
Gm04	46762854	46763001	Gmdrm	hypo	CHG	-0.6433
Gm04	46793972	46793997	Gmdrm	hypo	CHG	-0.415
Gm04	46839962	46840273	Gmdrm	hypo	CHG	-0.3633

Gm04	46850389	46850649	Gmdrm	hypo	CHG	-0.7017
Gm04	46886569	46886779	Gmdrm	hypo	CHG	-0.5754
Gm04	46889007	46889091	Gmdrm	hypo	CHG	-0.5966
Gm04	46898611	46898888	Gmdrm	hypo	CHG	-0.585
Gm04	46909686	46909909	Gmdrm	hypo	CHG	-0.19
Gm04	46920658	46920813	Gmdrm	hypo	CHG	-0.046
Gm04	46922517	46922589	Gmdrm	hypo	CHG	-0.5916
Gm04	46922894	46923081	Gmdrm	hypo	CHG	-0.6633
Gm04	46932149	46932199	Gmdrm	hypo	CHG	-0.346
Gm04	46945540	46946020	Gmdrm	hypo	CHG	-0.5047
Gm04	46962099	46962354	Gmdrm	hypo	CHG	-0.52
Gm04	46970761	46971069	Gmdrm	hypo	CHG	-0.0488
Gm04	46977355	46977763	Gmdrm	hypo	CHG	-0.5016
Gm04	46981810	46982019	Gmdrm	hypo	CHG	-0.046
Gm04	46990577	46990641	Gmdrm	hypo	CHG	-0.77
Gm04	46990836	46991122	Gmdrm	hypo	CHG	-0.6484
Gm04	46997197	46997334	Gmdrm	hypo	CHG	-0.054
Gm04	47001668	47002357	Gmdrm	hypo	CHG	-0.3704
Gm04	47004644	47004903	Gmdrm	hypo	CHG	-0.539
Gm04	47005149	47005428	Gmdrm	hypo	CHG	-0.3522
Gm04	47005532	47005677	Gmdrm	hypo	CHG	-0.7733
Gm04	47016561	47016818	Gmdrm	hypo	CHG	-0.6667
Gm04	47016961	47017076	Gmdrm	hypo	CHG	-0.3012
Gm04	47022428	47022468	Gmdrm	hypo	CHG	-0.3299
Gm04	47046737	47046984	Gmdrm	hypo	CHG	-0.5577
Gm04	47067188	47067265	Gmdrm	hypo	CHG	-0.3788
Gm04	47070134	47070502	Gmdrm	hypo	CHG	-0.0429
Gm04	47073611	47073678	Gmdrm	hypo	CHG	-0.032
Gm04	47080361	47080750	Gmdrm	hypo	CHG	-0.0319
Gm04	47092506	47092609	Gmdrm	hypo	CHG	-0.6834
Gm04	47092966	47093088	Gmdrm	hypo	CHG	-0.5625
Gm04	47096610	47096657	Gmdrm	hypo	CHG	-0.775
Gm04	47100024	47100463	Gmdrm	hypo	CHG	-0.3552
Gm04	47111182	47111335	Gmdrm	hypo	CHG	-0.1289
Gm04	47138782	47138905	Gmdrm	hypo	CHG	-0.2085
Gm04	47147832	47148148	Gmdrm	hypo	CHG	-0.4728
Gm04	47149706	47150308	Gmdrm	hypo	CHG	-0.2495
Gm04	47151058	47151306	Gmdrm	hypo	CHG	-0.6729
Gm04	47151448	47151925	Gmdrm	hypo	CHG	-0.2068
Gm04	47156870	47157112	Gmdrm	hypo	CHG	-0.0215
Gm04	47177853	47178391	Gmdrm	hypo	CHG	-0.1645
Gm04	47178517	47178585	Gmdrm	hypo	CHG	-0.234
Gm04	47182491	47182952	Gmdrm	hypo	CHG	-0.1061
Gm04	47189616	47189769	Gmdrm	hypo	CHG	-0.0783
Gm04	47196007	47196159	Gmdrm	hypo	CHG	-0.6283
Gm04	47200917	47201006	Gmdrm	hypo	CHG	-0.3817

Gm04	47222125	47222156	Gmdrm	hypo	CHG	-0.2983
Gm04	47251360	47251477	Gmdrm	hypo	CHG	-0.03
Gm04	47262741	47263165	Gmdrm	hypo	CHG	-0.2961
Gm04	47272546	47272650	Gmdrm	hypo	CHG	-0.4943
Gm04	47273144	47273260	Gmdrm	hypo	CHG	-0.6083
Gm04	47280651	47280725	Gmdrm	hypo	CHG	-0.5134
Gm04	47290480	47290719	Gmdrm	hypo	CHG	-0.035
Gm04	47295310	47295577	Gmdrm	hypo	CHG	-0.59
Gm04	47300313	47300372	Gmdrm	hypo	CHG	-0.8987
Gm04	47300596	47300967	Gmdrm	hypo	CHG	-0.6905
Gm04	47301072	47301196	Gmdrm	hypo	CHG	-0.858
Gm04	47336356	47336753	Gmdrm	hypo	CHG	-0.0667
Gm04	47336927	47337059	Gmdrm	hypo	CHG	-0.26
Gm04	47349561	47349590	Gmdrm	hypo	CHG	-0.824
Gm04	47358311	47358420	Gmdrm	hypo	CHG	-0.3112
Gm04	47359311	47359370	Gmdrm	hypo	CHG	-0.0567
Gm04	47370729	47371006	Gmdrm	hypo	CHG	-0.0437
Gm04	47378850	47379065	Gmdrm	hypo	CHG	-0.032
Gm04	47387013	47387132	Gmdrm	hypo	CHG	-0.22
Gm04	47403455	47403585	Gmdrm	hypo	CHG	-0.436
Gm04	47420655	47420741	Gmdrm	hypo	CHG	-0.6417
Gm04	47469411	47469552	Gmdrm	hypo	CHG	-0.845
Gm04	47479928	47480014	Gmdrm	hypo	CHG	-0.0767
Gm04	47516740	47517108	Gmdrm	hypo	CHG	-0.0357
Gm04	47523221	47523328	Gmdrm	hypo	CHG	-0.3771
Gm04	47523755	47524099	Gmdrm	hypo	CHG	-0.7476
Gm04	47540353	47540393	Gmdrm	hypo	CHG	-0.5417
Gm04	47562420	47562594	Gmdrm	hypo	CHG	-0.7114
Gm04	47568620	47568727	Gmdrm	hypo	CHG	-0.648
Gm04	47571882	47571978	Gmdrm	hypo	CHG	-0.7766
Gm04	47572104	47572450	Gmdrm	hypo	CHG	-0.7533
Gm04	47573533	47573585	Gmdrm	hypo	CHG	-0.8457
Gm04	47576509	47576697	Gmdrm	hypo	CHG	-0.0467
Gm04	47581454	47581679	Gmdrm	hypo	CHG	-0.0417
Gm04	47599151	47599280	Gmdrm	hypo	CHG	-0.215
Gm04	47604751	47604846	Gmdrm	hypo	CHG	-0.3001
Gm04	47610089	47610368	Gmdrm	hypo	CHG	-0.8872
Gm04	47610672	47610831	Gmdrm	hypo	CHG	-0.345
Gm04	47627477	47627761	Gmdrm	hypo	CHG	-0.5672
Gm04	47651130	47651267	Gmdrm	hypo	CHG	-0.4717
Gm04	47653768	47654028	Gmdrm	hypo	CHG	-0.3887
Gm04	47656762	47657127	Gmdrm	hypo	CHG	-0.7782
Gm04	47664241	47664341	Gmdrm	hypo	CHG	-0.0567
Gm04	47683350	47683580	Gmdrm	hypo	CHG	-0.6723
Gm04	47683686	47683989	Gmdrm	hypo	CHG	-0.0931
Gm04	47690092	47690484	Gmdrm	hypo	CHG	-0.8323

Gm04	47694383	47694518	Gmdrm	hypo	CHG	-0.821
Gm04	47714993	47715129	Gmdrm	hypo	CHG	-0.6472
Gm04	47730603	47730753	Gmdrm	hypo	CHG	-0.2471
Gm04	47735452	47735620	Gmdrm	hypo	CHG	-0.3425
Gm04	47738561	47738663	Gmdrm	hypo	CHG	-0.58
Gm04	47751779	47752029	Gmdrm	hypo	CHG	-0.925
Gm04	47752309	47752458	Gmdrm	hypo	CHG	-0.1922
Gm04	47788147	47788237	Gmdrm	hypo	CHG	-0.176
Gm04	47789934	47790177	Gmdrm	hypo	CHG	-0.6145
Gm04	47796165	47796421	Gmdrm	hypo	CHG	-0.0777
Gm04	47797990	47798077	Gmdrm	hypo	CHG	-0.1033
Gm04	47799060	47799198	Gmdrm	hypo	CHG	-0.3959
Gm04	47799321	47799628	Gmdrm	hypo	CHG	-0.549
Gm04	47799789	47799912	Gmdrm	hypo	CHG	-0.175
Gm04	47800979	47801098	Gmdrm	hypo	CHG	-0.6929
Gm04	47801203	47801387	Gmdrm	hypo	CHG	-0.4125
Gm04	47801559	47801975	Gmdrm	hypo	CHG	-0.7176
Gm04	47802162	47802679	Gmdrm	hypo	CHG	-0.7937
Gm04	47802831	47802975	Gmdrm	hypo	CHG	-0.7217
Gm04	47803296	47803446	Gmdrm	hypo	CHG	-0.5113
Gm04	47808387	47808517	Gmdrm	hypo	CHG	-0.93
Gm04	47814787	47814989	Gmdrm	hypo	CHG	-0.7771
Gm04	47823564	47823752	Gmdrm	hypo	CHG	-0.04
Gm04	47831322	47831461	Gmdrm	hypo	CHG	-0.1043
Gm04	47850359	47850903	Gmdrm	hypo	CHG	-0.0275
Gm04	47853820	47854030	Gmdrm	hypo	CHG	-0.0466
Gm04	47855042	47855243	Gmdrm	hypo	CHG	-0.072
Gm04	47863260	47863498	Gmdrm	hypo	CHG	-0.5867
Gm04	47874251	47874394	Gmdrm	hypo	CHG	-0.0767
Gm04	47884030	47884142	Gmdrm	hypo	CHG	-0.062
Gm04	47884648	47884819	Gmdrm	hypo	CHG	-0.6414
Gm04	47885767	47885852	Gmdrm	hypo	CHG	-0.74
Gm04	47889757	47889998	Gmdrm	hypo	CHG	-0.0386
Gm04	47897407	47897775	Gmdrm	hypo	CHG	-0.1168
Gm04	47901219	47901765	Gmdrm	hypo	CHG	-0.1732
Gm04	47903277	47903678	Gmdrm	hypo	CHG	-0.0235
Gm04	47922373	47922671	Gmdrm	hypo	CHG	-0.0317
Gm04	47931784	47931985	Gmdrm	hypo	CHG	-0.21
Gm04	47947355	47947749	Gmdrm	hypo	CHG	-0.6896
Gm04	47947915	47948108	Gmdrm	hypo	CHG	-0.0509
Gm04	47959620	47959862	Gmdrm	hypo	CHG	-0.83
Gm04	47980254	47980555	Gmdrm	hypo	CHG	-0.155
Gm04	47998718	47998882	Gmdrm	hypo	CHG	-0.06
Gm04	48000003	48000082	Gmdrm	hypo	CHG	-0.03
Gm04	48001690	48001730	Gmdrm	hypo	CHG	-0.06
Gm04	48004914	48004977	Gmdrm	hypo	CHG	-0.6514

Gm04	48017534	48017903	Gmdrm	hypo	CHG	-0.336
Gm04	48023756	48023776	Gmdrm	hypo	CHG	-0.0933
Gm04	48037182	48037307	Gmdrm	hypo	CHG	-0.366
Gm04	48037699	48038010	Gmdrm	hypo	CHG	-0.6709
Gm04	48050412	48050509	Gmdrm	hypo	CHG	-0.0667
Gm04	48051342	48051615	Gmdrm	hypo	CHG	-0.1037
Gm04	48057645	48057748	Gmdrm	hypo	CHG	-0.095
Gm04	48113538	48113558	Gmdrm	hypo	CHG	-0.9
Gm04	48113892	48113982	Gmdrm	hypo	CHG	-0.6575
Gm04	48114402	48114463	Gmdrm	hypo	CHG	-0.188
Gm04	48122712	48122809	Gmdrm	hypo	CHG	-0.055
Gm04	48122939	48123265	Gmdrm	hypo	CHG	-0.333
Gm04	48123369	48124007	Gmdrm	hypo	CHG	-0.237
Gm04	48146182	48146883	Gmdrm	hypo	CHG	-0.1689
Gm04	48160971	48161142	Gmdrm	hypo	CHG	-0.6995
Gm04	48161380	48161538	Gmdrm	hypo	CHG	-0.4734
Gm04	48162797	48163029	Gmdrm	hypo	CHG	-0.43
Gm04	48163448	48163804	Gmdrm	hypo	CHG	-0.6031
Gm04	48174244	48174367	Gmdrm	hypo	CHG	-0.4043
Gm04	48200257	48200442	Gmdrm	hypo	CHG	-0.045
Gm04	48224566	48224844	Gmdrm	hypo	CHG	-0.4794
Gm04	48228883	48229122	Gmdrm	hypo	CHG	-0.0717
Gm04	48230107	48230235	Gmdrm	hypo	CHG	-0.8217
Gm04	48230540	48230760	Gmdrm	hypo	CHG	-0.7566
Gm04	48231313	48231431	Gmdrm	hypo	CHG	-0.406
Gm04	48280635	48280751	Gmdrm	hypo	CHG	-0.062
Gm04	48281325	48281649	Gmdrm	hypo	CHG	-0.263
Gm04	48300097	48300139	Gmdrm	hypo	CHG	-0.76
Gm04	48300270	48300448	Gmdrm	hypo	CHG	-0.8457
Gm04	48311252	48311753	Gmdrm	hypo	CHG	-0.4889
Gm04	48330206	48330471	Gmdrm	hypo	CHG	-0.2363
Gm04	48336751	48336857	Gmdrm	hypo	CHG	-0.48
Gm04	48338662	48338731	Gmdrm	hypo	CHG	-0.85
Gm04	48338928	48338998	Gmdrm	hypo	CHG	-0.8212
Gm04	48345197	48345616	Gmdrm	hypo	CHG	-0.545
Gm04	48357288	48358010	Gmdrm	hypo	CHG	-0.3334
Gm04	48363302	48363828	Gmdrm	hypo	CHG	-0.04
Gm04	48365400	48365442	Gmdrm	hypo	CHG	-0.05
Gm04	48393928	48394012	Gmdrm	hypo	CHG	-0.0585
Gm04	48402977	48403179	Gmdrm	hypo	CHG	-0.2
Gm04	48406163	48406305	Gmdrm	hypo	CHG	-0.0563
Gm04	48413872	48413912	Gmdrm	hypo	CHG	-0.054
Gm04	48420059	48420388	Gmdrm	hypo	CHG	-0.7812
Gm04	48474547	48474770	Gmdrm	hypo	CHG	-0.3142
Gm04	48475298	48475577	Gmdrm	hypo	CHG	-0.1993
Gm04	48480849	48481039	Gmdrm	hypo	CHG	-0.5177

Gm04	48481684	48481734	Gmdrm	hypo	CHG	-0.7517
Gm04	48481865	48482119	Gmdrm	hypo	CHG	-0.7133
Gm04	48486758	48486910	Gmdrm	hypo	CHG	-0.5925
Gm04	48487146	48487359	Gmdrm	hypo	CHG	-0.4457
Gm04	48487600	48487832	Gmdrm	hypo	CHG	-0.5569
Gm04	48491544	48491678	Gmdrm	hypo	CHG	-0.56
Gm04	48492391	48492647	Gmdrm	hypo	CHG	-0.0212
Gm04	48494693	48494718	Gmdrm	hypo	CHG	-0.585
Gm04	48502499	48502661	Gmdrm	hypo	CHG	-0.0575
Gm04	48505404	48505669	Gmdrm	hypo	CHG	-0.0283
Gm04	48521485	48521762	Gmdrm	hypo	CHG	-0.8015
Gm04	48528248	48528696	Gmdrm	hypo	CHG	-0.7472
Gm04	48551560	48551945	Gmdrm	hypo	CHG	-0.2388
Gm04	48552125	48552134	Gmdrm	hypo	CHG	-0.9283
Gm04	48555626	48555853	Gmdrm	hypo	CHG	-0.038
Gm04	48558591	48559108	Gmdrm	hypo	CHG	-0.1287
Gm04	48560766	48560840	Gmdrm	hypo	CHG	-0.4083
Gm04	48592343	48592634	Gmdrm	hypo	CHG	-0.034
Gm04	48622899	48623051	Gmdrm	hypo	CHG	-0.1355
Gm04	48633051	48633146	Gmdrm	hypo	CHG	-0.2936
Gm04	48656834	48657043	Gmdrm	hypo	CHG	-0.804
Gm04	48657163	48657225	Gmdrm	hypo	CHG	-0.776
Gm04	48657640	48657706	Gmdrm	hypo	CHG	-0.9043
Gm04	48679959	48680083	Gmdrm	hypo	CHG	-0.1233
Gm04	48702764	48702874	Gmdrm	hypo	CHG	-0.066
Gm04	48703178	48703326	Gmdrm	hypo	CHG	-0.8171
Gm04	48712520	48712638	Gmdrm	hypo	CHG	-0.6843
Gm04	48726372	48726995	Gmdrm	hypo	CHG	-0.6541
Gm04	48729117	48729359	Gmdrm	hypo	CHG	-0.5857
Gm04	48740032	48740170	Gmdrm	hypo	CHG	-0.1225
Gm04	48751146	48751262	Gmdrm	hypo	CHG	-0.4716
Gm04	48765138	48765423	Gmdrm	hypo	CHG	-0.0623
Gm04	48771500	48771652	Gmdrm	hypo	CHG	-0.052
Gm04	48783784	48784145	Gmdrm	hypo	CHG	-0.2283
Gm04	48794984	48795139	Gmdrm	hypo	CHG	-0.23
Gm04	48805549	48805739	Gmdrm	hypo	CHG	-0.4617
Gm04	48805863	48806676	Gmdrm	hypo	CHG	-0.5241
Gm04	48812764	48812881	Gmdrm	hypo	CHG	-0.68
Gm04	48813029	48813165	Gmdrm	hypo	CHG	-0.8466
Gm04	48839520	48839729	Gmdrm	hypo	CHG	-0.4489
Gm04	48849460	48850006	Gmdrm	hypo	CHG	-0.1829
Gm04	48887686	48887853	Gmdrm	hypo	CHG	-0.35
Gm04	48888552	48888752	Gmdrm	hypo	CHG	-0.7482
Gm04	48897541	48897664	Gmdrm	hypo	CHG	-0.6045
Gm04	48898416	48898482	Gmdrm	hypo	CHG	-0.756
Gm04	48898786	48898869	Gmdrm	hypo	CHG	-0.674

Gm04	48901714	48901815	Gmdrm	hypo	CHG	-0.73
Gm04	48905293	48905345	Gmdrm	hypo	CHG	-0.8834
Gm04	48917697	48918265	Gmdrm	hypo	CHG	-0.03
Gm04	48928130	48928224	Gmdrm	hypo	CHG	-0.03
Gm04	48941351	48941604	Gmdrm	hypo	CHG	-0.6131
Gm04	48973862	48974239	Gmdrm	hypo	CHG	-0.4917
Gm04	48974395	48974475	Gmdrm	hypo	CHG	-0.5686
Gm04	48987458	48987544	Gmdrm	hypo	CHG	-0.3637
Gm04	48996831	48997086	Gmdrm	hypo	CHG	-0.058
Gm04	49004689	49004884	Gmdrm	hypo	CHG	-0.488
Gm04	49024156	49024366	Gmdrm	hypo	CHG	-0.4691
Gm04	49031876	49031937	Gmdrm	hypo	CHG	-0.25
Gm04	49089678	49089792	Gmdrm	hypo	CHG	-0.78
Gm04	49109190	49109415	Gmdrm	hypo	CHG	-0.072
Gm04	49131553	49131787	Gmdrm	hypo	CHG	-0.6517
Gm04	49141906	49142074	Gmdrm	hypo	CHG	-0.6075
Gm04	49149046	49149243	Gmdrm	hypo	CHG	-0.0336
Gm04	49162684	49162918	Gmdrm	hypo	CHG	-0.5525
Gm04	49163146	49163379	Gmdrm	hypo	CHG	-0.79
Gm04	49163623	49163777	Gmdrm	hypo	CHG	-0.782
Gm04	49217673	49217832	Gmdrm	hypo	CHG	-0.04
Gm04	49235239	49235424	Gmdrm	hypo	CHG	-0.062
Gm04	49237711	49238102	Gmdrm	hypo	CHG	-0.4135
Gm04	49244629	49244702	Gmdrm	hypo	CHG	-0.066
Gm04	49280913	49281458	Gmdrm	hypo	CHG	-0.2833
Gm04	49291856	49292135	Gmdrm	hypo	CHG	-0.3727
Gm04	49294522	49294827	Gmdrm	hypo	CHG	-0.414
Gm04	49295751	49295861	Gmdrm	hypo	CHG	-0.7583
Gm04	49302547	49302686	Gmdrm	hypo	CHG	-0.036
Gm04	49302839	49303100	Gmdrm	hypo	CHG	-0.4909
Gm04	49319406	49319534	Gmdrm	hypo	CHG	-0.116
Gm04	49335829	49335853	Gmdrm	hypo	CHG	-0.3766
Gm04	49336527	49336775	Gmdrm	hypo	CHG	-0.2054
Gm04	49376767	49377008	Gmdrm	hypo	CHG	-0.0415
Gm04	49383729	49383752	Gmdrm	hypo	CHG	-0.094
Gm04	49391011	49391248	Gmdrm	hypo	CHG	-0.0667
Gm04	49398387	49398443	Gmdrm	hypo	CHG	-0.42
Gm04	49422219	49422272	Gmdrm	hypo	CHG	-0.808
Gm04	49422441	49422554	Gmdrm	hypo	CHG	-0.7775
Gm04	49422758	49422925	Gmdrm	hypo	CHG	-0.8967
Gm04	49423582	49423845	Gmdrm	hypo	CHG	-0.9175
Gm04	49441821	49442410	Gmdrm	hypo	CHG	-0.6961
Gm04	49442722	49442809	Gmdrm	hypo	CHG	-0.2767
Gm04	49443508	49443693	Gmdrm	hypo	CHG	-0.2686
Gm04	49488088	49488118	Gmdrm	hypo	CHG	-0.8867
Gm04	49507346	49507469	Gmdrm	hypo	CHG	-0.0366

Gm04	49509745	49510494	Gmdrm	hypo	CHG	-0.2024
Gm04	49513958	49514075	Gmdrm	hypo	CHG	-0.038
Gm04	49517065	49517275	Gmdrm	hypo	CHG	-0.0884
Gm04	49523703	49523896	Gmdrm	hypo	CHG	-0.2038
Gm04	49539932	49540100	Gmdrm	hypo	CHG	-0.88
Gm04	49553883	49554065	Gmdrm	hypo	CHG	-0.0321
Gm04	49579055	49579147	Gmdrm	hypo	CHG	-0.0577
Gm04	49613229	49613301	Gmdrm	hypo	CHG	-0.8375
Gm04	49628196	49628221	Gmdrm	hypo	CHG	-0.0615
Gm04	49653044	49653259	Gmdrm	hypo	CHG	-0.5072
Gm04	49659964	49660312	Gmdrm	hypo	CHG	-0.265
Gm04	49667894	49668315	Gmdrm	hypo	CHG	-0.4905
Gm04	49675142	49675308	Gmdrm	hypo	CHG	-0.1437
Gm04	49689721	49690096	Gmdrm	hypo	CHG	-0.045
Gm04	49697288	49697411	Gmdrm	hypo	CHG	-0.054
Gm04	49722595	49722826	Gmdrm	hypo	CHG	-0.6571
Gm04	49745400	49745590	Gmdrm	hypo	CHG	-0.7233
Gm04	49747866	49748021	Gmdrm	hypo	CHG	-0.04
Gm04	49749078	49749219	Gmdrm	hypo	CHG	-0.058
Gm04	49751400	49751794	Gmdrm	hypo	CHG	-0.1385
Gm04	49751900	49751958	Gmdrm	hypo	CHG	-0.082
Gm04	49756528	49756576	Gmdrm	hypo	CHG	-0.925
Gm04	49757243	49757507	Gmdrm	hypo	CHG	-0.5112
Gm04	49757977	49758375	Gmdrm	hypo	CHG	-0.6693
Gm04	49760278	49760536	Gmdrm	hypo	CHG	-0.6889
Gm04	49760646	49760838	Gmdrm	hypo	CHG	-0.715
Gm04	49768958	49769008	Gmdrm	hypo	CHG	-0.184
Gm04	49792852	49793023	Gmdrm	hypo	CHG	-0.5083
Gm04	49798518	49798686	Gmdrm	hypo	CHG	-0.3254
Gm04	49798810	49798849	Gmdrm	hypo	CHG	-0.58
Gm04	49799912	49800189	Gmdrm	hypo	CHG	-0.7467
Gm04	49805501	49805514	Gmdrm	hypo	CHG	-0.302
Gm04	49805749	49805878	Gmdrm	hypo	CHG	-0.6612
Gm04	49806523	49806709	Gmdrm	hypo	CHG	-0.1239
Gm04	49811651	49811815	Gmdrm	hypo	CHG	-0.0533
Gm04	49833635	49833961	Gmdrm	hypo	CHG	-0.57
Gm04	49836284	49836530	Gmdrm	hypo	CHG	-0.3243
Gm04	49838450	49838500	Gmdrm	hypo	CHG	-0.5
Gm04	49838603	49838664	Gmdrm	hypo	CHG	-0.4066
Gm04	49844304	49844513	Gmdrm	hypo	CHG	-0.04
Gm04	49847039	49847073	Gmdrm	hypo	CHG	-0.092
Gm04	49859024	49859183	Gmdrm	hypo	CHG	-0.2117
Gm04	49860164	49860211	Gmdrm	hypo	CHG	-0.7467
Gm04	49864377	49864773	Gmdrm	hypo	CHG	-0.1438
Gm04	49867210	49867383	Gmdrm	hypo	CHG	-0.4623
Gm04	49867497	49867859	Gmdrm	hypo	CHG	-0.4431

Gm04	49869698	49869852	Gmdrm	hypo	CHG	-0.608
Gm04	49870782	49871046	Gmdrm	hypo	CHG	-0.6323
Gm04	49871148	49871228	Gmdrm	hypo	CHG	-0.6116
Gm04	49871381	49871815	Gmdrm	hypo	CHG	-0.039
Gm04	49880489	49880601	Gmdrm	hypo	CHG	-0.5678
Gm04	49891289	49891380	Gmdrm	hypo	CHG	-0.05
Gm04	49893942	49894035	Gmdrm	hypo	CHG	-0.327
Gm04	49895176	49895207	Gmdrm	hypo	CHG	-0.6467
Gm04	49899251	49899463	Gmdrm	hypo	CHG	-0.7265
Gm04	49899566	49899744	Gmdrm	hypo	CHG	-0.6983
Gm04	49900008	49900236	Gmdrm	hypo	CHG	-0.5844
Gm04	49900648	49900812	Gmdrm	hypo	CHG	-0.6846
Gm04	49900983	49901303	Gmdrm	hypo	CHG	-0.7428
Gm04	49906669	49906927	Gmdrm	hypo	CHG	-0.0534
Gm04	49913796	49914106	Gmdrm	hypo	CHG	-0.5859
Gm04	49914216	49914387	Gmdrm	hypo	CHG	-0.4628
Gm04	49932655	49933037	Gmdrm	hypo	CHG	-0.0312
Gm04	49941224	49941251	Gmdrm	hypo	CHG	-0.1466
Gm04	49974778	49974896	Gmdrm	hypo	CHG	-0.048
Gm04	49982189	49982395	Gmdrm	hypo	CHG	-0.6378
Gm04	49983141	49983356	Gmdrm	hypo	CHG	-0.5873
Gm04	49989704	49990660	Gmdrm	hypo	CHG	-0.0261
Gm04	49999757	50000122	Gmdrm	hypo	CHG	-0.2437
Gm04	50000498	50000619	Gmdrm	hypo	CHG	-0.3029
Gm04	50013093	50013362	Gmdrm	hypo	CHG	-0.5809
Gm04	50014126	50015124	Gmdrm	hypo	CHG	-0.2211
Gm04	50019162	50019346	Gmdrm	hypo	CHG	-0.41
Gm04	50026661	50026852	Gmdrm	hypo	CHG	-0.451
Gm04	50031005	50031280	Gmdrm	hypo	CHG	-0.7233
Gm04	50036077	50036191	Gmdrm	hypo	CHG	-0.6885
Gm04	50041120	50041221	Gmdrm	hypo	CHG	-0.135
Gm04	50061848	50062305	Gmdrm	hypo	CHG	-0.022
Gm04	50088516	50088684	Gmdrm	hypo	CHG	-0.054
Gm04	50101771	50101833	Gmdrm	hypo	CHG	-0.596
Gm04	50103303	50103661	Gmdrm	hypo	CHG	-0.7595
Gm04	50120061	50120675	Gmdrm	hypo	CHG	-0.03
Gm04	50137368	50137500	Gmdrm	hypo	CHG	-0.242
Gm04	50151690	50151793	Gmdrm	hypo	CHG	-0.7875
Gm04	50163129	50163176	Gmdrm	hypo	CHG	-0.8567
Gm04	50194435	50194675	Gmdrm	hypo	CHG	-0.0267
Gm04	50198176	50198282	Gmdrm	hypo	CHG	-0.06
Gm04	50200600	50200708	Gmdrm	hypo	CHG	-0.054
Gm04	50218657	50219237	Gmdrm	hypo	CHG	-0.4384
Gm04	50278504	50278663	Gmdrm	hypo	CHG	-0.0367
Gm04	50292979	50293058	Gmdrm	hypo	CHG	-0.295
Gm04	50314410	50314501	Gmdrm	hypo	CHG	-0.045

Gm04	50340764	50341023	Gmdrm	hypo	CHG	-0.3922
Gm04	50342786	50343151	Gmdrm	hypo	CHG	-0.5631
Gm04	50354069	50354430	Gmdrm	hypo	CHG	-0.7783
Gm04	50360660	50360960	Gmdrm	hypo	CHG	-0.0913
Gm04	50365386	50365942	Gmdrm	hypo	CHG	-0.1047
Gm04	50371606	50371755	Gmdrm	hypo	CHG	-0.7789
Gm04	50386764	50386998	Gmdrm	hypo	CHG	-0.0674
Gm04	50389060	50389192	Gmdrm	hypo	CHG	-0.6317
Gm04	50409001	50409109	Gmdrm	hypo	CHG	-0.106
Gm04	50436541	50436664	Gmdrm	hypo	CHG	-0.795
Gm04	50436890	50437091	Gmdrm	hypo	CHG	-0.8
Gm04	50452693	50452887	Gmdrm	hypo	CHG	-0.0685
Gm04	50456795	50456982	Gmdrm	hypo	CHG	-0.7108
Gm04	50457098	50457225	Gmdrm	hypo	CHG	-0.671
Gm04	50459023	50459258	Gmdrm	hypo	CHG	-0.6939
Gm04	50474768	50475234	Gmdrm	hypo	CHG	-0.322
Gm04	50476576	50476883	Gmdrm	hypo	CHG	-0.0275
Gm04	50494123	50494466	Gmdrm	hypo	CHG	-0.5646
Gm04	50503139	50503320	Gmdrm	hypo	CHG	-0.0633
Gm04	50519506	50519691	Gmdrm	hypo	CHG	-0.0333
Gm04	50557809	50558590	Gmdrm	hypo	CHG	-0.2892
Gm04	50600163	50600294	Gmdrm	hypo	CHG	-0.375
Gm04	50610233	50610423	Gmdrm	hypo	CHG	-0.7201
Gm04	50610715	50610949	Gmdrm	hypo	CHG	-0.5011
Gm04	50649127	50649569	Gmdrm	hypo	CHG	-0.0408
Gm04	50651321	50651572	Gmdrm	hypo	CHG	-0.034
Gm04	50655684	50655936	Gmdrm	hypo	CHG	-0.5086
Gm04	50674891	50675102	Gmdrm	hypo	CHG	-0.7212
Gm04	50680266	50680605	Gmdrm	hypo	CHG	-0.5993
Gm04	50698474	50698735	Gmdrm	hypo	CHG	-0.825
Gm04	50713040	50713102	Gmdrm	hypo	CHG	-0.73
Gm04	50735673	50735881	Gmdrm	hypo	CHG	-0.747
Gm04	50738327	50739092	Gmdrm	hypo	CHG	-0.4565
Gm04	50771734	50771895	Gmdrm	hypo	CHG	-0.7567
Gm04	50796231	50796505	Gmdrm	hypo	CHG	-0.0186
Gm04	50798833	50798988	Gmdrm	hypo	CHG	-0.8415
Gm04	50844726	50844857	Gmdrm	hypo	CHG	-0.825
Gm04	50849990	50850268	Gmdrm	hypo	CHG	-0.0486
Gm04	50871914	50872238	Gmdrm	hypo	CHG	-0.0393
Gm04	50880381	50880533	Gmdrm	hypo	CHG	-0.7446
Gm04	50886759	50886887	Gmdrm	hypo	CHG	-0.094
Gm04	50897839	50897880	Gmdrm	hypo	CHG	-0.8437
Gm04	50898042	50898231	Gmdrm	hypo	CHG	-0.8261
Gm04	50898606	50898764	Gmdrm	hypo	CHG	-0.4784
Gm04	50898869	50898960	Gmdrm	hypo	CHG	-0.739
Gm04	50914575	50914641	Gmdrm	hypo	CHG	-0.3934

Gm04	50941328	50941825	Gmdrm	hypo	CHG	-0.0328
Gm04	50986808	50986833	Gmdrm	hypo	CHG	-0.91
Gm04	50999140	50999209	Gmdrm	hypo	CHG	-0.46
Gm04	51011550	51011707	Gmdrm	hypo	CHG	-0.05
Gm04	51017014	51017128	Gmdrm	hypo	CHG	-0.0671
Gm04	51041965	51042173	Gmdrm	hypo	CHG	-0.1645
Gm04	51074558	51074683	Gmdrm	hypo	CHG	-0.57
Gm04	51081702	51081904	Gmdrm	hypo	CHG	-0.425
Gm04	51082153	51082337	Gmdrm	hypo	CHG	-0.6762
Gm04	51087086	51087592	Gmdrm	hypo	CHG	-0.1762
Gm04	51097298	51097623	Gmdrm	hypo	CHG	-0.697
Gm04	51097851	51097963	Gmdrm	hypo	CHG	-0.816
Gm04	51098092	51098294	Gmdrm	hypo	CHG	-0.7808
Gm04	51098687	51099343	Gmdrm	hypo	CHG	-0.4794
Gm04	51099468	51100460	Gmdrm	hypo	CHG	-0.752
Gm04	51100473	51101201	Gmdrm	hypo	CHG	-0.6685
Gm04	51101315	51102227	Gmdrm	hypo	CHG	-0.7655
Gm04	51112995	51113197	Gmdrm	hypo	CHG	-0.1567
Gm04	51113575	51113760	Gmdrm	hypo	CHG	-0.5209
Gm04	51113995	51114125	Gmdrm	hypo	CHG	-0.41
Gm04	51114266	51114360	Gmdrm	hypo	CHG	-0.32
Gm04	51116914	51117272	Gmdrm	hypo	CHG	-0.41
Gm04	51119044	51119447	Gmdrm	hypo	CHG	-0.5845
Gm04	51122777	51122934	Gmdrm	hypo	CHG	-0.108
Gm04	51123113	51123497	Gmdrm	hypo	CHG	-0.0409
Gm04	51130868	51131006	Gmdrm	hypo	CHG	-0.8933
Gm04	51131509	51131568	Gmdrm	hypo	CHG	-0.6471
Gm04	51132063	51132136	Gmdrm	hypo	CHG	-0.59
Gm04	51136212	51136697	Gmdrm	hypo	CHG	-0.399
Gm04	51143566	51143705	Gmdrm	hypo	CHG	-0.076
Gm04	51158119	51158277	Gmdrm	hypo	CHG	-0.042
Gm04	51164978	51165657	Gmdrm	hypo	CHG	-0.6913
Gm04	51169118	51169236	Gmdrm	hypo	CHG	-0.09
Gm04	51173754	51173945	Gmdrm	hypo	CHG	-0.0586
Gm04	51179940	51179992	Gmdrm	hypo	CHG	-0.774
Gm04	51184789	51185171	Gmdrm	hypo	CHG	-0.5486
Gm04	51191376	51191537	Gmdrm	hypo	CHG	-0.37
Gm04	51195338	51195730	Gmdrm	hypo	CHG	-0.63
Gm04	51195900	51196043	Gmdrm	hypo	CHG	-0.355
Gm04	51199424	51199568	Gmdrm	hypo	CHG	-0.3628
Gm04	51200212	51200800	Gmdrm	hypo	CHG	-0.2068
Gm04	51202552	51202858	Gmdrm	hypo	CHG	-0.2014
Gm05	3918	4007	Gmdrm	hypo	CHG	-0.3008
Gm05	5511	5995	Gmdrm	hypo	CHG	-0.1691
Gm05	6242	6578	Gmdrm	hypo	CHG	-0.2541
Gm05	10318	10408	Gmdrm	hypo	CHG	-0.3372

Gm05	20494	20657 Gmdrm	hypo	CHG	-0.93
Gm05	20765	20957 Gmdrm	hypo	CHG	-0.3833
Gm05	24980	25283 Gmdrm	hypo	CHG	-0.4545
Gm05	27740	27924 Gmdrm	hypo	CHG	-0.0366
Gm05	37598	37717 Gmdrm	hypo	CHG	-0.3863
Gm05	51372	51607 Gmdrm	hypo	CHG	-0.0309
Gm05	62090	62433 Gmdrm	hypo	CHG	-0.044
Gm05	69223	69684 Gmdrm	hypo	CHG	-0.3217
Gm05	80434	80586 Gmdrm	hypo	CHG	-0.04
Gm05	82847	83398 Gmdrm	hypo	CHG	-0.56
Gm05	87165	87315 Gmdrm	hypo	CHG	-0.06
Gm05	87746	88170 Gmdrm	hypo	CHG	-0.8358
Gm05	88747	88926 Gmdrm	hypo	CHG	-0.0467
Gm05	89154	89557 Gmdrm	hypo	CHG	-0.7576
Gm05	90990	91402 Gmdrm	hypo	CHG	-0.045
Gm05	98708	98942 Gmdrm	hypo	CHG	-0.3861
Gm05	99045	99234 Gmdrm	hypo	CHG	-0.5746
Gm05	100413	100629 Gmdrm	hypo	CHG	-0.125
Gm05	101888	102560 Gmdrm	hypo	CHG	-0.7944
Gm05	133222	133416 Gmdrm	hypo	CHG	-0.05
Gm05	135030	135088 Gmdrm	hypo	CHG	-0.034
Gm05	141352	141596 Gmdrm	hypo	CHG	-0.0533
Gm05	143690	144036 Gmdrm	hypo	CHG	-0.17
Gm05	160628	160871 Gmdrm	hypo	CHG	-0.591
Gm05	169363	169454 Gmdrm	hypo	CHG	-0.1687
Gm05	169574	169648 Gmdrm	hypo	CHG	-0.346
Gm05	173849	173917 Gmdrm	hypo	CHG	-0.85
Gm05	178115	178420 Gmdrm	hypo	CHG	-0.0585
Gm05	190507	191045 Gmdrm	hypo	CHG	-0.0644
Gm05	204875	205005 Gmdrm	hypo	CHG	-0.588
Gm05	205219	205293 Gmdrm	hypo	CHG	-0.632
Gm05	208033	208286 Gmdrm	hypo	CHG	-0.6938
Gm05	212470	212801 Gmdrm	hypo	CHG	-0.034
Gm05	224105	224181 Gmdrm	hypo	CHG	-0.034
Gm05	232665	232917 Gmdrm	hypo	CHG	-0.5682
Gm05	233039	233247 Gmdrm	hypo	CHG	-0.59
Gm05	255511	255720 Gmdrm	hypo	CHG	-0.09
Gm05	258534	258814 Gmdrm	hypo	CHG	-0.2444
Gm05	258957	259347 Gmdrm	hypo	CHG	-0.1656
Gm05	267227	267698 Gmdrm	hypo	CHG	-0.5126
Gm05	268188	268739 Gmdrm	hypo	CHG	-0.0621
Gm05	269587	269950 Gmdrm	hypo	CHG	-0.2105
Gm05	270083	270251 Gmdrm	hypo	CHG	-0.07
Gm05	271063	271232 Gmdrm	hypo	CHG	-0.06
Gm05	304474	304610 Gmdrm	hypo	CHG	-0.5557
Gm05	304728	305015 Gmdrm	hypo	CHG	-0.5227

Gm05	315816	315913 Gmdrm	hypo	CHG	-0.07
Gm05	333436	334400 Gmdrm	hypo	CHG	-0.2158
Gm05	334455	335430 Gmdrm	hypo	CHG	-0.5088
Gm05	335543	335655 Gmdrm	hypo	CHG	-0.4428
Gm05	335765	336761 Gmdrm	hypo	CHG	-0.3061
Gm05	357227	357809 Gmdrm	hypo	CHG	-0.3856
Gm05	421635	421737 Gmdrm	hypo	CHG	-0.2429
Gm05	421875	421925 Gmdrm	hypo	CHG	-0.6586
Gm05	496259	496394 Gmdrm	hypo	CHG	-0.102
Gm05	506820	507040 Gmdrm	hypo	CHG	-0.0343
Gm05	543587	544105 Gmdrm	hypo	CHG	-0.3284
Gm05	544577	544669 Gmdrm	hypo	CHG	-0.316
Gm05	546543	546702 Gmdrm	hypo	CHG	-0.42
Gm05	547186	547497 Gmdrm	hypo	CHG	-0.293
Gm05	551613	552201 Gmdrm	hypo	CHG	-0.5282
Gm05	563157	563463 Gmdrm	hypo	CHG	-0.0371
Gm05	565680	565813 Gmdrm	hypo	CHG	-0.45
Gm05	566410	566441 Gmdrm	hypo	CHG	-0.416
Gm05	566553	566701 Gmdrm	hypo	CHG	-0.4192
Gm05	566952	567025 Gmdrm	hypo	CHG	-0.2772
Gm05	582834	582845 Gmdrm	hypo	CHG	-0.7267
Gm05	590562	590692 Gmdrm	hypo	CHG	-0.086
Gm05	596548	596711 Gmdrm	hypo	CHG	-0.7257
Gm05	615430	615941 Gmdrm	hypo	CHG	-0.0267
Gm05	622774	622868 Gmdrm	hypo	CHG	-0.088
Gm05	628382	628629 Gmdrm	hypo	CHG	-0.1283
Gm05	630348	630575 Gmdrm	hypo	CHG	-0.414
Gm05	644025	644110 Gmdrm	hypo	CHG	-0.9158
Gm05	663156	663253 Gmdrm	hypo	CHG	-0.4517
Gm05	678952	679185 Gmdrm	hypo	CHG	-0.4762
Gm05	700998	701049 Gmdrm	hypo	CHG	-0.3583
Gm05	701920	702014 Gmdrm	hypo	CHG	-0.5767
Gm05	705495	705828 Gmdrm	hypo	CHG	-0.7658
Gm05	713899	714312 Gmdrm	hypo	CHG	-0.66
Gm05	714760	714910 Gmdrm	hypo	CHG	-0.23
Gm05	733200	733581 Gmdrm	hypo	CHG	-0.6933
Gm05	733894	733981 Gmdrm	hypo	CHG	-0.63
Gm05	758618	758719 Gmdrm	hypo	CHG	-0.064
Gm05	761829	762114 Gmdrm	hypo	CHG	-0.0275
Gm05	762216	762302 Gmdrm	hypo	CHG	-0.0367
Gm05	764996	765241 Gmdrm	hypo	CHG	-0.4275
Gm05	776394	776495 Gmdrm	hypo	CHG	-0.814
Gm05	808362	808526 Gmdrm	hypo	CHG	-0.4862
Gm05	813529	813984 Gmdrm	hypo	CHG	-0.5367
Gm05	830231	830748 Gmdrm	hypo	CHG	-0.7616
Gm05	835121	835411 Gmdrm	hypo	CHG	-0.5647

Gm05	838631	838843	Gmdrm	hypo	CHG	-0.0329
Gm05	852126	852185	Gmdrm	hypo	CHG	-0.765
Gm05	866463	866539	Gmdrm	hypo	CHG	-0.2333
Gm05	869516	869630	Gmdrm	hypo	CHG	-0.4138
Gm05	869795	870015	Gmdrm	hypo	CHG	-0.304
Gm05	886909	887016	Gmdrm	hypo	CHG	-0.02
Gm05	902043	902435	Gmdrm	hypo	CHG	-0.0413
Gm05	907180	907350	Gmdrm	hypo	CHG	-0.6357
Gm05	907688	907779	Gmdrm	hypo	CHG	-0.7683
Gm05	907999	908292	Gmdrm	hypo	CHG	-0.2978
Gm05	908636	908753	Gmdrm	hypo	CHG	-0.3817
Gm05	913020	913156	Gmdrm	hypo	CHG	-0.0386
Gm05	923231	923319	Gmdrm	hypo	CHG	-0.035
Gm05	943368	943827	Gmdrm	hypo	CHG	-0.0272
Gm05	950222	950312	Gmdrm	hypo	CHG	-0.526
Gm05	951483	951651	Gmdrm	hypo	CHG	-0.0312
Gm05	953145	953492	Gmdrm	hypo	CHG	-0.0625
Gm05	956314	956731	Gmdrm	hypo	CHG	-0.0733
Gm05	957658	957986	Gmdrm	hypo	CHG	-0.1859
Gm05	961359	961419	Gmdrm	hypo	CHG	-0.51
Gm05	962439	962987	Gmdrm	hypo	CHG	-0.1476
Gm05	963602	963840	Gmdrm	hypo	CHG	-0.2241
Gm05	964418	964445	Gmdrm	hypo	CHG	-0.75
Gm05	964632	964804	Gmdrm	hypo	CHG	-0.71
Gm05	972541	973046	Gmdrm	hypo	CHG	-0.7215
Gm05	976355	976518	Gmdrm	hypo	CHG	-0.5113
Gm05	988462	988584	Gmdrm	hypo	CHG	-0.5666
Gm05	989067	989324	Gmdrm	hypo	CHG	-0.5709
Gm05	1013080	1013769	Gmdrm	hypo	CHG	-0.1114
Gm05	1014439	1014662	Gmdrm	hypo	CHG	-0.9283
Gm05	1015249	1015287	Gmdrm	hypo	CHG	-0.6167
Gm05	1015437	1015591	Gmdrm	hypo	CHG	-0.8157
Gm05	1015814	1016002	Gmdrm	hypo	CHG	-0.068
Gm05	1021301	1021450	Gmdrm	hypo	CHG	-0.7629
Gm05	1021786	1021864	Gmdrm	hypo	CHG	-0.7317
Gm05	1036957	1037004	Gmdrm	hypo	CHG	-0.5962
Gm05	1039584	1039781	Gmdrm	hypo	CHG	-0.1169
Gm05	1051958	1052110	Gmdrm	hypo	CHG	-0.2437
Gm05	1080993	1081089	Gmdrm	hypo	CHG	-0.0462
Gm05	1081349	1081637	Gmdrm	hypo	CHG	-0.2
Gm05	1093207	1093312	Gmdrm	hypo	CHG	-0.032
Gm05	1098012	1098088	Gmdrm	hypo	CHG	-0.34
Gm05	1098256	1098282	Gmdrm	hypo	CHG	-0.14
Gm05	1101951	1102022	Gmdrm	hypo	CHG	-0.5117
Gm05	1116155	1116337	Gmdrm	hypo	CHG	-0.0414
Gm05	1117975	1118547	Gmdrm	hypo	CHG	-0.7346

Gm05	1118655	1119164	Gmdrm	hypo	CHG	-0.4554
Gm05	1122915	1122935	Gmdrm	hypo	CHG	-0.214
Gm05	1129291	1129482	Gmdrm	hypo	CHG	-0.93
Gm05	1129842	1129933	Gmdrm	hypo	CHG	-0.51
Gm05	1138806	1139231	Gmdrm	hypo	CHG	-0.8319
Gm05	1146517	1146572	Gmdrm	hypo	CHG	-0.5886
Gm05	1154035	1154099	Gmdrm	hypo	CHG	-0.794
Gm05	1154621	1154846	Gmdrm	hypo	CHG	-0.09
Gm05	1176754	1176784	Gmdrm	hypo	CHG	-0.0517
Gm05	1179372	1179384	Gmdrm	hypo	CHG	-0.158
Gm05	1206434	1206728	Gmdrm	hypo	CHG	-0.0414
Gm05	1208381	1208594	Gmdrm	hypo	CHG	-0.0571
Gm05	1215425	1215556	Gmdrm	hypo	CHG	-0.045
Gm05	1240015	1240070	Gmdrm	hypo	CHG	-0.478
Gm05	1250890	1250927	Gmdrm	hypo	CHG	-0.0714
Gm05	1256262	1256461	Gmdrm	hypo	CHG	-0.17
Gm05	1315173	1315397	Gmdrm	hypo	CHG	-0.486
Gm05	1321457	1321665	Gmdrm	hypo	CHG	-0.89
Gm05	1322200	1322311	Gmdrm	hypo	CHG	-0.5614
Gm05	1322523	1322763	Gmdrm	hypo	CHG	-0.778
Gm05	1322912	1323126	Gmdrm	hypo	CHG	-0.36
Gm05	1328434	1328593	Gmdrm	hypo	CHG	-0.751
Gm05	1331374	1331610	Gmdrm	hypo	CHG	-0.288
Gm05	1341266	1341369	Gmdrm	hypo	CHG	-0.7745
Gm05	1359906	1360325	Gmdrm	hypo	CHG	-0.0412
Gm05	1365932	1366200	Gmdrm	hypo	CHG	-0.0437
Gm05	1379137	1379337	Gmdrm	hypo	CHG	-0.0543
Gm05	1401716	1401781	Gmdrm	hypo	CHG	-0.306
Gm05	1405392	1405674	Gmdrm	hypo	CHG	-0.378
Gm05	1419676	1419871	Gmdrm	hypo	CHG	-0.03
Gm05	1504613	1504855	Gmdrm	hypo	CHG	-0.4585
Gm05	1508854	1509102	Gmdrm	hypo	CHG	-0.3915
Gm05	1526648	1526780	Gmdrm	hypo	CHG	-0.034
Gm05	1531519	1532489	Gmdrm	hypo	CHG	-0.5902
Gm05	1532532	1532705	Gmdrm	hypo	CHG	-0.7546
Gm05	1556590	1556980	Gmdrm	hypo	CHG	-0.7889
Gm05	1567451	1568031	Gmdrm	hypo	CHG	-0.8372
Gm05	1587112	1587267	Gmdrm	hypo	CHG	-0.038
Gm05	1614811	1614977	Gmdrm	hypo	CHG	-0.5545
Gm05	1615079	1615218	Gmdrm	hypo	CHG	-0.3195
Gm05	1615391	1615779	Gmdrm	hypo	CHG	-0.1788
Gm05	1616601	1616817	Gmdrm	hypo	CHG	-0.6946
Gm05	1658834	1658906	Gmdrm	hypo	CHG	-0.3324
Gm05	1660822	1660958	Gmdrm	hypo	CHG	-0.3114
Gm05	1679162	1679289	Gmdrm	hypo	CHG	-0.031
Gm05	1681724	1681903	Gmdrm	hypo	CHG	-0.6247

Gm05	1686487	1686591	Gmdrm	hypo	CHG	-0.3412
Gm05	1688040	1688210	Gmdrm	hypo	CHG	-0.0328
Gm05	1708256	1708618	Gmdrm	hypo	CHG	-0.4257
Gm05	1737323	1737366	Gmdrm	hypo	CHG	-0.8288
Gm05	1737659	1737782	Gmdrm	hypo	CHG	-0.7337
Gm05	1757624	1758421	Gmdrm	hypo	CHG	-0.1994
Gm05	1779227	1779531	Gmdrm	hypo	CHG	-0.3018
Gm05	1811512	1811709	Gmdrm	hypo	CHG	-0.096
Gm05	1826919	1827095	Gmdrm	hypo	CHG	-0.1017
Gm05	1829707	1829760	Gmdrm	hypo	CHG	-0.885
Gm05	1831557	1831807	Gmdrm	hypo	CHG	-0.53
Gm05	1832124	1832367	Gmdrm	hypo	CHG	-0.6428
Gm05	1870176	1870443	Gmdrm	hypo	CHG	-0.7438
Gm05	1870556	1870896	Gmdrm	hypo	CHG	-0.6539
Gm05	1871547	1871929	Gmdrm	hypo	CHG	-0.7186
Gm05	1897600	1897901	Gmdrm	hypo	CHG	-0.0401
Gm05	1903304	1903535	Gmdrm	hypo	CHG	-0.1313
Gm05	1934862	1935043	Gmdrm	hypo	CHG	-0.425
Gm05	1935198	1935491	Gmdrm	hypo	CHG	-0.8848
Gm05	1935682	1935729	Gmdrm	hypo	CHG	-0.938
Gm05	1940991	1941064	Gmdrm	hypo	CHG	-0.2986
Gm05	1971698	1972022	Gmdrm	hypo	CHG	-0.8062
Gm05	1973049	1973136	Gmdrm	hypo	CHG	-0.055
Gm05	2020749	2020811	Gmdrm	hypo	CHG	-0.6428
Gm05	2049179	2049528	Gmdrm	hypo	CHG	-0.025
Gm05	2073414	2073601	Gmdrm	hypo	CHG	-0.7855
Gm05	2074260	2074314	Gmdrm	hypo	CHG	-0.5862
Gm05	2074498	2074688	Gmdrm	hypo	CHG	-0.3589
Gm05	2079602	2079676	Gmdrm	hypo	CHG	-0.125
Gm05	2094426	2094627	Gmdrm	hypo	CHG	-0.6088
Gm05	2096873	2097055	Gmdrm	hypo	CHG	-0.3557
Gm05	2118336	2118703	Gmdrm	hypo	CHG	-0.12
Gm05	2140602	2140897	Gmdrm	hypo	CHG	-0.259
Gm05	2141308	2141504	Gmdrm	hypo	CHG	-0.4186
Gm05	2144872	2145682	Gmdrm	hypo	CHG	-0.0502
Gm05	2224620	2224739	Gmdrm	hypo	CHG	-0.7855
Gm05	2245594	2245638	Gmdrm	hypo	CHG	-0.054
Gm05	2256789	2256978	Gmdrm	hypo	CHG	-0.445
Gm05	2257089	2257293	Gmdrm	hypo	CHG	-0.218
Gm05	2270932	2271080	Gmdrm	hypo	CHG	-0.5527
Gm05	2295655	2295838	Gmdrm	hypo	CHG	-0.3912
Gm05	2295951	2296013	Gmdrm	hypo	CHG	-0.0833
Gm05	2342652	2342791	Gmdrm	hypo	CHG	-0.452
Gm05	2342925	2343026	Gmdrm	hypo	CHG	-0.5366
Gm05	2343311	2343500	Gmdrm	hypo	CHG	-0.4513
Gm05	2345004	2345246	Gmdrm	hypo	CHG	-0.7423

Gm05	2358442	2358669	Gmdrm	hypo	CHG	-0.2945
Gm05	2365529	2365659	Gmdrm	hypo	CHG	-0.5204
Gm05	2373174	2373253	Gmdrm	hypo	CHG	-0.842
Gm05	2376675	2376886	Gmdrm	hypo	CHG	-0.7366
Gm05	2402743	2402927	Gmdrm	hypo	CHG	-0.0272
Gm05	2424492	2424608	Gmdrm	hypo	CHG	-0.7866
Gm05	2472241	2472330	Gmdrm	hypo	CHG	-0.56
Gm05	2490888	2491026	Gmdrm	hypo	CHG	-0.694
Gm05	2491144	2491391	Gmdrm	hypo	CHG	-0.8519
Gm05	2499734	2499970	Gmdrm	hypo	CHG	-0.3177
Gm05	2501395	2501563	Gmdrm	hypo	CHG	-0.5549
Gm05	2504477	2504700	Gmdrm	hypo	CHG	-0.04
Gm05	2516264	2516415	Gmdrm	hypo	CHG	-0.0443
Gm05	2531864	2532056	Gmdrm	hypo	CHG	-0.066
Gm05	2533674	2533945	Gmdrm	hypo	CHG	-0.049
Gm05	2535555	2535788	Gmdrm	hypo	CHG	-0.6145
Gm05	2558720	2558886	Gmdrm	hypo	CHG	-0.5609
Gm05	2559034	2559415	Gmdrm	hypo	CHG	-0.3164
Gm05	2575233	2575810	Gmdrm	hypo	CHG	-0.3865
Gm05	2575932	2576015	Gmdrm	hypo	CHG	-0.8725
Gm05	2601291	2601462	Gmdrm	hypo	CHG	-0.1079
Gm05	2601595	2601647	Gmdrm	hypo	CHG	-0.9343
Gm05	2602328	2602580	Gmdrm	hypo	CHG	-0.8353
Gm05	2619104	2619305	Gmdrm	hypo	CHG	-0.048
Gm05	2625641	2625943	Gmdrm	hypo	CHG	-0.4814
Gm05	2647478	2647720	Gmdrm	hypo	CHG	-0.0275
Gm05	2652348	2652431	Gmdrm	hypo	CHG	-0.6386
Gm05	2667491	2667979	Gmdrm	hypo	CHG	-0.2959
Gm05	2688684	2688855	Gmdrm	hypo	CHG	-0.9322
Gm05	2696936	2697197	Gmdrm	hypo	CHG	-0.0387
Gm05	2703999	2704173	Gmdrm	hypo	CHG	-0.5463
Gm05	2717603	2718143	Gmdrm	hypo	CHG	-0.4609
Gm05	2743422	2743525	Gmdrm	hypo	CHG	-0.404
Gm05	2764386	2764545	Gmdrm	hypo	CHG	-0.1433
Gm05	2811342	2811445	Gmdrm	hypo	CHG	-0.724
Gm05	2812341	2812420	Gmdrm	hypo	CHG	-0.5917
Gm05	2831602	2831951	Gmdrm	hypo	CHG	-0.211
Gm05	2832054	2832115	Gmdrm	hypo	CHG	-0.3
Gm05	2838131	2838534	Gmdrm	hypo	CHG	-0.0509
Gm05	2859429	2859915	Gmdrm	hypo	CHG	-0.104
Gm05	2864677	2864734	Gmdrm	hypo	CHG	-0.1226
Gm05	2866653	2866684	Gmdrm	hypo	CHG	-0.1471
Gm05	2879812	2879961	Gmdrm	hypo	CHG	-0.402
Gm05	2887104	2887329	Gmdrm	hypo	CHG	-0.3346
Gm05	2887709	2887777	Gmdrm	hypo	CHG	-0.658
Gm05	2887883	2887992	Gmdrm	hypo	CHG	-0.79

Gm05	2891369	2891678	Gmdrm	hypo	CHG	-0.8163
Gm05	2891942	2891993	Gmdrm	hypo	CHG	-0.505
Gm05	2904424	2904545	Gmdrm	hypo	CHG	-0.9277
Gm05	2923217	2923421	Gmdrm	hypo	CHG	-0.6363
Gm05	2923739	2924150	Gmdrm	hypo	CHG	-0.8176
Gm05	3020498	3020541	Gmdrm	hypo	CHG	-0.2275
Gm05	3020644	3020776	Gmdrm	hypo	CHG	-0.425
Gm05	3047022	3047165	Gmdrm	hypo	CHG	-0.908
Gm05	3054208	3054842	Gmdrm	hypo	CHG	-0.492
Gm05	3060262	3060451	Gmdrm	hypo	CHG	-0.0791
Gm05	3065691	3066164	Gmdrm	hypo	CHG	-0.1854
Gm05	3080438	3080577	Gmdrm	hypo	CHG	-0.0583
Gm05	3080959	3081295	Gmdrm	hypo	CHG	-0.8324
Gm05	3087423	3087564	Gmdrm	hypo	CHG	-0.875
Gm05	3102439	3102960	Gmdrm	hypo	CHG	-0.0269
Gm05	3113615	3113869	Gmdrm	hypo	CHG	-0.4192
Gm05	3121198	3121377	Gmdrm	hypo	CHG	-0.883
Gm05	3160479	3160564	Gmdrm	hypo	CHG	-0.3458
Gm05	3188680	3188914	Gmdrm	hypo	CHG	-0.3249
Gm05	3189794	3190406	Gmdrm	hypo	CHG	-0.2625
Gm05	3204188	3204530	Gmdrm	hypo	CHG	-0.6963
Gm05	3204995	3205109	Gmdrm	hypo	CHG	-0.082
Gm05	3214767	3214831	Gmdrm	hypo	CHG	-0.534
Gm05	3227873	3227910	Gmdrm	hypo	CHG	-0.0514
Gm05	3230872	3231116	Gmdrm	hypo	CHG	-0.8672
Gm05	3231222	3231414	Gmdrm	hypo	CHG	-0.722
Gm05	3231819	3231972	Gmdrm	hypo	CHG	-0.694
Gm05	3244129	3244464	Gmdrm	hypo	CHG	-0.795
Gm05	3249896	3250078	Gmdrm	hypo	CHG	-0.483
Gm05	3302171	3302421	Gmdrm	hypo	CHG	-0.4467
Gm05	3473309	3473421	Gmdrm	hypo	CHG	-0.5437
Gm05	3478293	3478415	Gmdrm	hypo	CHG	-0.078
Gm05	3486953	3487220	Gmdrm	hypo	CHG	-0.31
Gm05	3488977	3489093	Gmdrm	hypo	CHG	-0.516
Gm05	3496766	3496908	Gmdrm	hypo	CHG	-0.4123
Gm05	3497096	3497232	Gmdrm	hypo	CHG	-0.6751
Gm05	3513315	3513509	Gmdrm	hypo	CHG	-0.2025
Gm05	3519251	3519369	Gmdrm	hypo	CHG	-0.4615
Gm05	3520943	3521040	Gmdrm	hypo	CHG	-0.475
Gm05	3521183	3521415	Gmdrm	hypo	CHG	-0.2431
Gm05	3521855	3522366	Gmdrm	hypo	CHG	-0.5985
Gm05	3531854	3531910	Gmdrm	hypo	CHG	-0.2772
Gm05	3543624	3543957	Gmdrm	hypo	CHG	-0.2777
Gm05	3544695	3544784	Gmdrm	hypo	CHG	-0.61
Gm05	3547946	3548175	Gmdrm	hypo	CHG	-0.5825
Gm05	3551241	3551421	Gmdrm	hypo	CHG	-0.5533

Gm05	3557404	3557578 Gmdrm	hypo	CHG	-0.5134
Gm05	3563143	3563314 Gmdrm	hypo	CHG	-0.058
Gm05	3585395	3585569 Gmdrm	hypo	CHG	-0.855
Gm05	3594786	3594834 Gmdrm	hypo	CHG	-0.346
Gm05	3633098	3633425 Gmdrm	hypo	CHG	-0.4621
Gm05	3640483	3640563 Gmdrm	hypo	CHG	-0.8466
Gm05	3640691	3641078 Gmdrm	hypo	CHG	-0.7512
Gm05	3641198	3641277 Gmdrm	hypo	CHG	-0.3516
Gm05	3656006	3656099 Gmdrm	hypo	CHG	-0.054
Gm05	3667568	3667861 Gmdrm	hypo	CHG	-0.3619
Gm05	3668190	3668337 Gmdrm	hypo	CHG	-0.446
Gm05	3676953	3677099 Gmdrm	hypo	CHG	-0.3555
Gm05	3706140	3706215 Gmdrm	hypo	CHG	-0.266
Gm05	3706905	3707148 Gmdrm	hypo	CHG	-0.3255
Gm05	3720608	3720708 Gmdrm	hypo	CHG	-0.5429
Gm05	3720824	3721081 Gmdrm	hypo	CHG	-0.8031
Gm05	3721197	3721420 Gmdrm	hypo	CHG	-0.8442
Gm05	3721560	3721706 Gmdrm	hypo	CHG	-0.7033
Gm05	3721814	3722317 Gmdrm	hypo	CHG	-0.1641
Gm05	3724792	3725270 Gmdrm	hypo	CHG	-0.1648
Gm05	3729351	3729451 Gmdrm	hypo	CHG	-0.551
Gm05	3741648	3741726 Gmdrm	hypo	CHG	-0.0483
Gm05	3741884	3742085 Gmdrm	hypo	CHG	-0.9435
Gm05	3743726	3744040 Gmdrm	hypo	CHG	-0.6421
Gm05	3744198	3744438 Gmdrm	hypo	CHG	-0.3077
Gm05	3757375	3757441 Gmdrm	hypo	CHG	-0.5167
Gm05	3786895	3787092 Gmdrm	hypo	CHG	-0.6482
Gm05	3806161	3806278 Gmdrm	hypo	CHG	-0.128
Gm05	3831293	3831544 Gmdrm	hypo	CHG	-0.3063
Gm05	3835760	3835907 Gmdrm	hypo	CHG	-0.0317
Gm05	3844003	3844425 Gmdrm	hypo	CHG	-0.3962
Gm05	3849935	3850016 Gmdrm	hypo	CHG	-0.36
Gm05	3851342	3851512 Gmdrm	hypo	CHG	-0.4843
Gm05	3890639	3890719 Gmdrm	hypo	CHG	-0.0816
Gm05	3904360	3904808 Gmdrm	hypo	CHG	-0.0392
Gm05	3928912	3929020 Gmdrm	hypo	CHG	-0.5267
Gm05	3938826	3938909 Gmdrm	hypo	CHG	-0.5533
Gm05	3943706	3943801 Gmdrm	hypo	CHG	-0.63
Gm05	3944306	3944485 Gmdrm	hypo	CHG	-0.3925
Gm05	3945038	3945163 Gmdrm	hypo	CHG	-0.2944
Gm05	3959590	3959662 Gmdrm	hypo	CHG	-0.786
Gm05	3959773	3959917 Gmdrm	hypo	CHG	-0.82
Gm05	3969725	3969820 Gmdrm	hypo	CHG	-0.4855
Gm05	3982290	3982488 Gmdrm	hypo	CHG	-0.9256
Gm05	3982618	3982899 Gmdrm	hypo	CHG	-0.916
Gm05	4014522	4014566 Gmdrm	hypo	CHG	-0.06

Gm05	4022211	4022570 Gmdrm	hypo	CHG	-0.2738
Gm05	4023153	4023254 Gmdrm	hypo	CHG	-0.2833
Gm05	4035595	4036116 Gmdrm	hypo	CHG	-0.4912
Gm05	4036436	4036535 Gmdrm	hypo	CHG	-0.225
Gm05	4060079	4060273 Gmdrm	hypo	CHG	-0.0733
Gm05	4067661	4068016 Gmdrm	hypo	CHG	-0.0311
Gm05	4077254	4077456 Gmdrm	hypo	CHG	-0.6089
Gm05	4077566	4077897 Gmdrm	hypo	CHG	-0.6823
Gm05	4090191	4090366 Gmdrm	hypo	CHG	-0.034
Gm05	4101983	4102166 Gmdrm	hypo	CHG	-0.7233
Gm05	4102554	4102738 Gmdrm	hypo	CHG	-0.0313
Gm05	4123654	4123842 Gmdrm	hypo	CHG	-0.6785
Gm05	4148182	4148533 Gmdrm	hypo	CHG	-0.72
Gm05	4157825	4158046 Gmdrm	hypo	CHG	-0.605
Gm05	4162431	4162527 Gmdrm	hypo	CHG	-0.555
Gm05	4163504	4163745 Gmdrm	hypo	CHG	-0.2334
Gm05	4165881	4166350 Gmdrm	hypo	CHG	-0.6795
Gm05	4172953	4173021 Gmdrm	hypo	CHG	-0.8017
Gm05	4173501	4173605 Gmdrm	hypo	CHG	-0.687
Gm05	4173847	4173952 Gmdrm	hypo	CHG	-0.8543
Gm05	4180798	4180891 Gmdrm	hypo	CHG	-0.03
Gm05	4189490	4189836 Gmdrm	hypo	CHG	-0.4414
Gm05	4190954	4191126 Gmdrm	hypo	CHG	-0.5043
Gm05	4191258	4191365 Gmdrm	hypo	CHG	-0.6366
Gm05	4191559	4191650 Gmdrm	hypo	CHG	-0.187
Gm05	4200576	4200603 Gmdrm	hypo	CHG	-0.296
Gm05	4229829	4229870 Gmdrm	hypo	CHG	-0.322
Gm05	4240657	4240828 Gmdrm	hypo	CHG	-0.6723
Gm05	4240980	4241627 Gmdrm	hypo	CHG	-0.7281
Gm05	4241743	4241861 Gmdrm	hypo	CHG	-0.355
Gm05	4244852	4244949 Gmdrm	hypo	CHG	-0.1325
Gm05	4246358	4246434 Gmdrm	hypo	CHG	-0.7889
Gm05	4259563	4259712 Gmdrm	hypo	CHG	-0.03
Gm05	4267831	4267927 Gmdrm	hypo	CHG	-0.2484
Gm05	4289913	4290436 Gmdrm	hypo	CHG	-0.4504
Gm05	4296642	4296765 Gmdrm	hypo	CHG	-0.8162
Gm05	4317405	4317591 Gmdrm	hypo	CHG	-0.036
Gm05	4324587	4324852 Gmdrm	hypo	CHG	-0.2894
Gm05	4331023	4331100 Gmdrm	hypo	CHG	-0.524
Gm05	4334090	4334133 Gmdrm	hypo	CHG	-0.04
Gm05	4335912	4335972 Gmdrm	hypo	CHG	-0.3029
Gm05	4337599	4337786 Gmdrm	hypo	CHG	-0.0667
Gm05	4349338	4349444 Gmdrm	hypo	CHG	-0.0772
Gm05	4365172	4365275 Gmdrm	hypo	CHG	-0.032
Gm05	4396919	4397010 Gmdrm	hypo	CHG	-0.3955
Gm05	4397134	4397305 Gmdrm	hypo	CHG	-0.0362

Gm05	4404716	4404799 Gmdrm	hypo	CHG	-0.2117
Gm05	4407353	4407654 Gmdrm	hypo	CHG	-0.292
Gm05	4427410	4427840 Gmdrm	hypo	CHG	-0.3322
Gm05	4430954	4431213 Gmdrm	hypo	CHG	-0.8593
Gm05	4433021	4433443 Gmdrm	hypo	CHG	-0.8279
Gm05	4433550	4433833 Gmdrm	hypo	CHG	-0.6393
Gm05	4487981	4488189 Gmdrm	hypo	CHG	-0.73
Gm05	4496461	4496576 Gmdrm	hypo	CHG	-0.5217
Gm05	4496980	4497006 Gmdrm	hypo	CHG	-0.845
Gm05	4500408	4500707 Gmdrm	hypo	CHG	-0.04
Gm05	4510789	4510865 Gmdrm	hypo	CHG	-0.7743
Gm05	4543594	4543814 Gmdrm	hypo	CHG	-0.0714
Gm05	4550741	4550842 Gmdrm	hypo	CHG	-0.8233
Gm05	4563300	4563406 Gmdrm	hypo	CHG	-0.5467
Gm05	4570167	4570375 Gmdrm	hypo	CHG	-0.196
Gm05	4584395	4584490 Gmdrm	hypo	CHG	-0.2217
Gm05	4606301	4606378 Gmdrm	hypo	CHG	-0.92
Gm05	4607940	4607983 Gmdrm	hypo	CHG	-0.045
Gm05	4634066	4634232 Gmdrm	hypo	CHG	-0.6071
Gm05	4634352	4635283 Gmdrm	hypo	CHG	-0.7673
Gm05	4637130	4637445 Gmdrm	hypo	CHG	-0.4131
Gm05	4644546	4644769 Gmdrm	hypo	CHG	-0.048
Gm05	4649791	4649980 Gmdrm	hypo	CHG	-0.4317
Gm05	4663911	4664417 Gmdrm	hypo	CHG	-0.2535
Gm05	4664529	4664802 Gmdrm	hypo	CHG	-0.7357
Gm05	4665627	4666149 Gmdrm	hypo	CHG	-0.6871
Gm05	4668514	4668833 Gmdrm	hypo	CHG	-0.5037
Gm05	4688902	4689112 Gmdrm	hypo	CHG	-0.4822
Gm05	4704279	4704720 Gmdrm	hypo	CHG	-0.1188
Gm05	4706203	4706499 Gmdrm	hypo	CHG	-0.4566
Gm05	4710003	4710260 Gmdrm	hypo	CHG	-0.06
Gm05	4712419	4712530 Gmdrm	hypo	CHG	-0.0243
Gm05	4713822	4714070 Gmdrm	hypo	CHG	-0.4823
Gm05	4741624	4741897 Gmdrm	hypo	CHG	-0.543
Gm05	4753970	4754332 Gmdrm	hypo	CHG	-0.2991
Gm05	4754713	4754819 Gmdrm	hypo	CHG	-0.1786
Gm05	4761232	4761521 Gmdrm	hypo	CHG	-0.7012
Gm05	4778467	4778565 Gmdrm	hypo	CHG	-0.068
Gm05	4779064	4779542 Gmdrm	hypo	CHG	-0.2807
Gm05	4796912	4797234 Gmdrm	hypo	CHG	-0.76
Gm05	4797422	4797624 Gmdrm	hypo	CHG	-0.4454
Gm05	4822060	4822113 Gmdrm	hypo	CHG	-0.4367
Gm05	4822266	4822410 Gmdrm	hypo	CHG	-0.2328
Gm05	4824251	4824581 Gmdrm	hypo	CHG	-0.4131
Gm05	4824975	4825027 Gmdrm	hypo	CHG	-0.1637
Gm05	4828272	4828495 Gmdrm	hypo	CHG	-0.345

Gm05	4835061	4835134	Gmdrm	hypo	CHG	-0.062
Gm05	4841788	4842043	Gmdrm	hypo	CHG	-0.434
Gm05	4842374	4842533	Gmdrm	hypo	CHG	-0.2517
Gm05	4842635	4842669	Gmdrm	hypo	CHG	-0.4017
Gm05	4843333	4843605	Gmdrm	hypo	CHG	-0.335
Gm05	4849591	4849943	Gmdrm	hypo	CHG	-0.39
Gm05	4854078	4854436	Gmdrm	hypo	CHG	-0.6655
Gm05	4866724	4867090	Gmdrm	hypo	CHG	-0.13
Gm05	4870455	4870500	Gmdrm	hypo	CHG	-0.6612
Gm05	4870829	4871039	Gmdrm	hypo	CHG	-0.32
Gm05	4923299	4923454	Gmdrm	hypo	CHG	-0.7185
Gm05	4925030	4925123	Gmdrm	hypo	CHG	-0.3467
Gm05	4927196	4927491	Gmdrm	hypo	CHG	-0.3066
Gm05	4930119	4930348	Gmdrm	hypo	CHG	-0.045
Gm05	4931381	4931473	Gmdrm	hypo	CHG	-0.772
Gm05	4941733	4941887	Gmdrm	hypo	CHG	-0.0329
Gm05	4947157	4947290	Gmdrm	hypo	CHG	-0.6117
Gm05	4947424	4947665	Gmdrm	hypo	CHG	-0.2807
Gm05	4971881	4972623	Gmdrm	hypo	CHG	-0.2652
Gm05	4982074	4982191	Gmdrm	hypo	CHG	-0.8309
Gm05	4982391	4982599	Gmdrm	hypo	CHG	-0.7093
Gm05	4998306	4998491	Gmdrm	hypo	CHG	-0.0211
Gm05	5000656	5000800	Gmdrm	hypo	CHG	-0.36
Gm05	5007169	5007312	Gmdrm	hypo	CHG	-0.572
Gm05	5021618	5022039	Gmdrm	hypo	CHG	-0.3123
Gm05	5033620	5034039	Gmdrm	hypo	CHG	-0.0294
Gm05	5053365	5053451	Gmdrm	hypo	CHG	-0.04
Gm05	5053692	5054193	Gmdrm	hypo	CHG	-0.3705
Gm05	5063296	5064287	Gmdrm	hypo	CHG	-0.1576
Gm05	5083721	5083819	Gmdrm	hypo	CHG	-0.473
Gm05	5097328	5097969	Gmdrm	hypo	CHG	-0.0497
Gm05	5107302	5107423	Gmdrm	hypo	CHG	-0.766
Gm05	5109902	5110262	Gmdrm	hypo	CHG	-0.2467
Gm05	5113374	5113699	Gmdrm	hypo	CHG	-0.6664
Gm05	5118031	5118290	Gmdrm	hypo	CHG	-0.0756
Gm05	5123331	5123847	Gmdrm	hypo	CHG	-0.7996
Gm05	5134928	5134959	Gmdrm	hypo	CHG	-0.084
Gm05	5136771	5136923	Gmdrm	hypo	CHG	-0.35
Gm05	5137229	5137609	Gmdrm	hypo	CHG	-0.5823
Gm05	5137902	5137952	Gmdrm	hypo	CHG	-0.54
Gm05	5138464	5138942	Gmdrm	hypo	CHG	-0.7054
Gm05	5146804	5146923	Gmdrm	hypo	CHG	-0.5775
Gm05	5148426	5148558	Gmdrm	hypo	CHG	-0.107
Gm05	5148690	5149362	Gmdrm	hypo	CHG	-0.3457
Gm05	5154382	5154516	Gmdrm	hypo	CHG	-0.314
Gm05	5170704	5170746	Gmdrm	hypo	CHG	-0.814

Gm05	5180265	5180578	Gmdrm	hypo	CHG	-0.495
Gm05	5183084	5183221	Gmdrm	hypo	CHG	-0.0371
Gm05	5188280	5188341	Gmdrm	hypo	CHG	-0.73
Gm05	5220160	5220469	Gmdrm	hypo	CHG	-0.1635
Gm05	5224679	5224726	Gmdrm	hypo	CHG	-0.8067
Gm05	5239208	5239404	Gmdrm	hypo	CHG	-0.02
Gm05	5241407	5241773	Gmdrm	hypo	CHG	-0.5843
Gm05	5253589	5253764	Gmdrm	hypo	CHG	-0.4462
Gm05	5253916	5254145	Gmdrm	hypo	CHG	-0.6978
Gm05	5273109	5273192	Gmdrm	hypo	CHG	-0.9
Gm05	5277209	5277258	Gmdrm	hypo	CHG	-0.1633
Gm05	5289648	5289691	Gmdrm	hypo	CHG	-0.544
Gm05	5295703	5295812	Gmdrm	hypo	CHG	-0.255
Gm05	5301924	5302000	Gmdrm	hypo	CHG	-0.9257
Gm05	5321438	5321587	Gmdrm	hypo	CHG	-0.904
Gm05	5328785	5329037	Gmdrm	hypo	CHG	-0.9143
Gm05	5331999	5332053	Gmdrm	hypo	CHG	-0.76
Gm05	5341507	5341521	Gmdrm	hypo	CHG	-0.0617
Gm05	5353379	5353427	Gmdrm	hypo	CHG	-0.66
Gm05	5353715	5353783	Gmdrm	hypo	CHG	-0.8017
Gm05	5411393	5411949	Gmdrm	hypo	CHG	-0.5497
Gm05	5412336	5412841	Gmdrm	hypo	CHG	-0.4722
Gm05	5413338	5413577	Gmdrm	hypo	CHG	-0.5854
Gm05	5415999	5416082	Gmdrm	hypo	CHG	-0.6062
Gm05	5438677	5439320	Gmdrm	hypo	CHG	-0.7525
Gm05	5460519	5461315	Gmdrm	hypo	CHG	-0.8206
Gm05	5461484	5461520	Gmdrm	hypo	CHG	-0.21
Gm05	5467253	5467510	Gmdrm	hypo	CHG	-0.594
Gm05	5468644	5468948	Gmdrm	hypo	CHG	-0.2934
Gm05	5484199	5484337	Gmdrm	hypo	CHG	-0.1066
Gm05	5488773	5488944	Gmdrm	hypo	CHG	-0.1845
Gm05	5511277	5511470	Gmdrm	hypo	CHG	-0.87
Gm05	5511575	5511707	Gmdrm	hypo	CHG	-0.892
Gm05	5523015	5523312	Gmdrm	hypo	CHG	-0.58
Gm05	5523577	5523769	Gmdrm	hypo	CHG	-0.3152
Gm05	5524388	5524577	Gmdrm	hypo	CHG	-0.4488
Gm05	5524901	5525548	Gmdrm	hypo	CHG	-0.5348
Gm05	5548007	5548175	Gmdrm	hypo	CHG	-0.044
Gm05	5548504	5548571	Gmdrm	hypo	CHG	-0.3056
Gm05	5548959	5549444	Gmdrm	hypo	CHG	-0.6118
Gm05	5551129	5551320	Gmdrm	hypo	CHG	-0.384
Gm05	5551686	5551882	Gmdrm	hypo	CHG	-0.65
Gm05	5552242	5552385	Gmdrm	hypo	CHG	-0.4193
Gm05	5553512	5553567	Gmdrm	hypo	CHG	-0.0667
Gm05	5554004	5554271	Gmdrm	hypo	CHG	-0.647
Gm05	5562819	5563413	Gmdrm	hypo	CHG	-0.4135

Gm05	5566252	5566348	Gmdrm	hypo	CHG	-0.735
Gm05	5573048	5573193	Gmdrm	hypo	CHG	-0.0286
Gm05	5585433	5585598	Gmdrm	hypo	CHG	-0.2143
Gm05	5588672	5588951	Gmdrm	hypo	CHG	-0.5427
Gm05	5593016	5593097	Gmdrm	hypo	CHG	-0.505
Gm05	5620170	5620399	Gmdrm	hypo	CHG	-0.2513
Gm05	5654193	5654357	Gmdrm	hypo	CHG	-0.3533
Gm05	5666508	5666601	Gmdrm	hypo	CHG	-0.694
Gm05	5674191	5674540	Gmdrm	hypo	CHG	-0.7636
Gm05	5674645	5675036	Gmdrm	hypo	CHG	-0.8652
Gm05	5675262	5675391	Gmdrm	hypo	CHG	-0.6983
Gm05	5683567	5684555	Gmdrm	hypo	CHG	-0.7022
Gm05	5685869	5686176	Gmdrm	hypo	CHG	-0.747
Gm05	5686813	5687720	Gmdrm	hypo	CHG	-0.6105
Gm05	5690636	5690817	Gmdrm	hypo	CHG	-0.618
Gm05	5727819	5727932	Gmdrm	hypo	CHG	-0.57
Gm05	5745768	5746248	Gmdrm	hypo	CHG	-0.0424
Gm05	5755212	5755310	Gmdrm	hypo	CHG	-0.65
Gm05	5765641	5765869	Gmdrm	hypo	CHG	-0.035
Gm05	5769179	5769586	Gmdrm	hypo	CHG	-0.3052
Gm05	5769691	5769865	Gmdrm	hypo	CHG	-0.5171
Gm05	5784901	5784954	Gmdrm	hypo	CHG	-0.652
Gm05	5799794	5800053	Gmdrm	hypo	CHG	-0.0633
Gm05	5802353	5802565	Gmdrm	hypo	CHG	-0.3183
Gm05	5804148	5804362	Gmdrm	hypo	CHG	-0.2839
Gm05	5804470	5804593	Gmdrm	hypo	CHG	-0.272
Gm05	5827913	5827971	Gmdrm	hypo	CHG	-0.867
Gm05	5828154	5828359	Gmdrm	hypo	CHG	-0.3958
Gm05	5828864	5828923	Gmdrm	hypo	CHG	-0.576
Gm05	5829308	5829414	Gmdrm	hypo	CHG	-0.1967
Gm05	5829938	5830114	Gmdrm	hypo	CHG	-0.15
Gm05	5853298	5853439	Gmdrm	hypo	CHG	-0.1609
Gm05	5854698	5855473	Gmdrm	hypo	CHG	-0.722
Gm05	5855583	5855685	Gmdrm	hypo	CHG	-0.83
Gm05	5857454	5857617	Gmdrm	hypo	CHG	-0.154
Gm05	5891358	5891459	Gmdrm	hypo	CHG	-0.8814
Gm05	5925444	5925467	Gmdrm	hypo	CHG	-0.8884
Gm05	5935526	5935681	Gmdrm	hypo	CHG	-0.2816
Gm05	5935861	5935991	Gmdrm	hypo	CHG	-0.158
Gm05	5942921	5943422	Gmdrm	hypo	CHG	-0.6813
Gm05	5945972	5946104	Gmdrm	hypo	CHG	-0.5912
Gm05	5946232	5946261	Gmdrm	hypo	CHG	-0.31
Gm05	5951355	5951578	Gmdrm	hypo	CHG	-0.6544
Gm05	5958220	5958310	Gmdrm	hypo	CHG	-0.4266
Gm05	5959003	5959220	Gmdrm	hypo	CHG	-0.5744
Gm05	5959326	5959473	Gmdrm	hypo	CHG	-0.4429

Gm05	5959576	5959687 Gmdrm	hypo	CHG	-0.686
Gm05	5960112	5960327 Gmdrm	hypo	CHG	-0.0716
Gm05	5963156	5963374 Gmdrm	hypo	CHG	-0.2057
Gm05	5971319	5971380 Gmdrm	hypo	CHG	-0.442
Gm05	5973000	5973269 Gmdrm	hypo	CHG	-0.5967
Gm05	5975536	5975672 Gmdrm	hypo	CHG	-0.03
Gm05	5987635	5988576 Gmdrm	hypo	CHG	-0.4937
Gm05	5996368	5996478 Gmdrm	hypo	CHG	-0.732
Gm05	5996579	5996592 Gmdrm	hypo	CHG	-0.836
Gm05	6014916	6015451 Gmdrm	hypo	CHG	-0.6911
Gm05	6015560	6015631 Gmdrm	hypo	CHG	-0.888
Gm05	6021093	6021191 Gmdrm	hypo	CHG	-0.05
Gm05	6045507	6045571 Gmdrm	hypo	CHG	-0.47
Gm05	6049193	6049330 Gmdrm	hypo	CHG	-0.3629
Gm05	6077715	6078306 Gmdrm	hypo	CHG	-0.6105
Gm05	6078746	6078923 Gmdrm	hypo	CHG	-0.7128
Gm05	6088611	6088717 Gmdrm	hypo	CHG	-0.404
Gm05	6094150	6094308 Gmdrm	hypo	CHG	-0.4843
Gm05	6099218	6099680 Gmdrm	hypo	CHG	-0.3017
Gm05	6128396	6128654 Gmdrm	hypo	CHG	-0.6075
Gm05	6129382	6129545 Gmdrm	hypo	CHG	-0.342
Gm05	6133528	6133688 Gmdrm	hypo	CHG	-0.7294
Gm05	6133791	6134287 Gmdrm	hypo	CHG	-0.4983
Gm05	6149842	6150829 Gmdrm	hypo	CHG	-0.2694
Gm05	6158309	6158572 Gmdrm	hypo	CHG	-0.7733
Gm05	6158678	6158746 Gmdrm	hypo	CHG	-0.7717
Gm05	6158987	6159089 Gmdrm	hypo	CHG	-0.478
Gm05	6159269	6159371 Gmdrm	hypo	CHG	-0.395
Gm05	6160415	6160578 Gmdrm	hypo	CHG	-0.8366
Gm05	6169263	6169440 Gmdrm	hypo	CHG	-0.3882
Gm05	6169570	6169976 Gmdrm	hypo	CHG	-0.5079
Gm05	6174083	6174174 Gmdrm	hypo	CHG	-0.9467
Gm05	6174337	6174605 Gmdrm	hypo	CHG	-0.4336
Gm05	6183833	6184419 Gmdrm	hypo	CHG	-0.4455
Gm05	6187577	6187675 Gmdrm	hypo	CHG	-0.26
Gm05	6246954	6247167 Gmdrm	hypo	CHG	-0.8889
Gm05	6296726	6296989 Gmdrm	hypo	CHG	-0.3335
Gm05	6309121	6309178 Gmdrm	hypo	CHG	-0.475
Gm05	6315822	6316012 Gmdrm	hypo	CHG	-0.3367
Gm05	6329105	6329345 Gmdrm	hypo	CHG	-0.289
Gm05	6330067	6330255 Gmdrm	hypo	CHG	-0.73
Gm05	6330361	6330456 Gmdrm	hypo	CHG	-0.4078
Gm05	6332727	6333120 Gmdrm	hypo	CHG	-0.025
Gm05	6355740	6356723 Gmdrm	hypo	CHG	-0.2572
Gm05	6360977	6361404 Gmdrm	hypo	CHG	-0.3396
Gm05	6369083	6369225 Gmdrm	hypo	CHG	-0.1759

Gm05	6369693	6369909	Gmdrm	hypo	CHG	-0.0483
Gm05	6391045	6391216	Gmdrm	hypo	CHG	-0.7074
Gm05	6391979	6392404	Gmdrm	hypo	CHG	-0.352
Gm05	6394446	6394657	Gmdrm	hypo	CHG	-0.2533
Gm05	6411103	6411534	Gmdrm	hypo	CHG	-0.8325
Gm05	6412302	6412357	Gmdrm	hypo	CHG	-0.9537
Gm05	6441433	6441779	Gmdrm	hypo	CHG	-0.8094
Gm05	6448987	6449599	Gmdrm	hypo	CHG	-0.2237
Gm05	6450868	6451308	Gmdrm	hypo	CHG	-0.1741
Gm05	6471398	6471578	Gmdrm	hypo	CHG	-0.7163
Gm05	6472260	6472281	Gmdrm	hypo	CHG	-0.7583
Gm05	6472758	6472828	Gmdrm	hypo	CHG	-0.425
Gm05	6478150	6478279	Gmdrm	hypo	CHG	-0.57
Gm05	6478900	6479121	Gmdrm	hypo	CHG	-0.5925
Gm05	6479265	6479363	Gmdrm	hypo	CHG	-0.148
Gm05	6479785	6480124	Gmdrm	hypo	CHG	-0.3708
Gm05	6483592	6483695	Gmdrm	hypo	CHG	-0.3583
Gm05	6485282	6485497	Gmdrm	hypo	CHG	-0.615
Gm05	6501088	6501219	Gmdrm	hypo	CHG	-0.4486
Gm05	6504307	6504578	Gmdrm	hypo	CHG	-0.1085
Gm05	6515486	6515621	Gmdrm	hypo	CHG	-0.27
Gm05	6517163	6517525	Gmdrm	hypo	CHG	-0.1625
Gm05	6518467	6518561	Gmdrm	hypo	CHG	-0.6971
Gm05	6555105	6555643	Gmdrm	hypo	CHG	-0.1304
Gm05	6569764	6569780	Gmdrm	hypo	CHG	-0.604
Gm05	6637022	6637406	Gmdrm	hypo	CHG	-0.4115
Gm05	6658538	6658732	Gmdrm	hypo	CHG	-0.2708
Gm05	6670392	6671063	Gmdrm	hypo	CHG	-0.6966
Gm05	6706379	6707315	Gmdrm	hypo	CHG	-0.0979
Gm05	6786352	6786505	Gmdrm	hypo	CHG	-0.3537
Gm05	6788427	6788733	Gmdrm	hypo	CHG	-0.4681
Gm05	6824321	6824545	Gmdrm	hypo	CHG	-0.3533
Gm05	6825293	6825465	Gmdrm	hypo	CHG	-0.3288
Gm05	6825931	6826228	Gmdrm	hypo	CHG	-0.2059
Gm05	6832167	6832278	Gmdrm	hypo	CHG	-0.364
Gm05	6832738	6832999	Gmdrm	hypo	CHG	-0.5
Gm05	6834256	6834360	Gmdrm	hypo	CHG	-0.351
Gm05	6842178	6842514	Gmdrm	hypo	CHG	-0.4157
Gm05	6846041	6846226	Gmdrm	hypo	CHG	-0.2517
Gm05	6905756	6905833	Gmdrm	hypo	CHG	-0.34
Gm05	6907030	6907597	Gmdrm	hypo	CHG	-0.8702
Gm05	6919111	6919219	Gmdrm	hypo	CHG	-0.555
Gm05	6919321	6919766	Gmdrm	hypo	CHG	-0.6834
Gm05	6942578	6942619	Gmdrm	hypo	CHG	-0.246
Gm05	6958692	6959156	Gmdrm	hypo	CHG	-0.5121
Gm05	6978799	6978988	Gmdrm	hypo	CHG	-0.7625

Gm05	6979582	6979888	Gmdrm	hypo	CHG	-0.5761
Gm05	6981550	6981788	Gmdrm	hypo	CHG	-0.2235
Gm05	7010271	7010380	Gmdrm	hypo	CHG	-0.625
Gm05	7010507	7010772	Gmdrm	hypo	CHG	-0.7314
Gm05	7069131	7069343	Gmdrm	hypo	CHG	-0.0489
Gm05	7069478	7069877	Gmdrm	hypo	CHG	-0.185
Gm05	7090008	7090157	Gmdrm	hypo	CHG	-0.737
Gm05	7090329	7090509	Gmdrm	hypo	CHG	-0.337
Gm05	7096838	7097131	Gmdrm	hypo	CHG	-0.4754
Gm05	7102813	7102995	Gmdrm	hypo	CHG	-0.028
Gm05	7107266	7107325	Gmdrm	hypo	CHG	-0.1033
Gm05	7110017	7110132	Gmdrm	hypo	CHG	-0.5466
Gm05	7113500	7114199	Gmdrm	hypo	CHG	-0.1332
Gm05	7115884	7115955	Gmdrm	hypo	CHG	-0.1964
Gm05	7116056	7116099	Gmdrm	hypo	CHG	-0.26
Gm05	7121254	7121614	Gmdrm	hypo	CHG	-0.2445
Gm05	7136059	7136434	Gmdrm	hypo	CHG	-0.47
Gm05	7137305	7137442	Gmdrm	hypo	CHG	-0.0917
Gm05	7143903	7143948	Gmdrm	hypo	CHG	-0.8214
Gm05	7144154	7144374	Gmdrm	hypo	CHG	-0.7
Gm05	7144898	7145014	Gmdrm	hypo	CHG	-0.4966
Gm05	7146286	7146471	Gmdrm	hypo	CHG	-0.3866
Gm05	7160568	7160868	Gmdrm	hypo	CHG	-0.8143
Gm05	7181870	7182168	Gmdrm	hypo	CHG	-0.274
Gm05	7198905	7199041	Gmdrm	hypo	CHG	-0.465
Gm05	7240913	7241080	Gmdrm	hypo	CHG	-0.5737
Gm05	7268570	7268702	Gmdrm	hypo	CHG	-0.742
Gm05	7268816	7268905	Gmdrm	hypo	CHG	-0.5987
Gm05	7273531	7273715	Gmdrm	hypo	CHG	-0.6811
Gm05	7273828	7273923	Gmdrm	hypo	CHG	-0.1717
Gm05	7277365	7277506	Gmdrm	hypo	CHG	-0.07
Gm05	7317632	7317798	Gmdrm	hypo	CHG	-0.4356
Gm05	7321110	7321178	Gmdrm	hypo	CHG	-0.55
Gm05	7352821	7353012	Gmdrm	hypo	CHG	-0.3928
Gm05	7355915	7356013	Gmdrm	hypo	CHG	-0.7078
Gm05	7356120	7356437	Gmdrm	hypo	CHG	-0.2832
Gm05	7361378	7361499	Gmdrm	hypo	CHG	-0.4987
Gm05	7410808	7411088	Gmdrm	hypo	CHG	-0.281
Gm05	7415347	7415375	Gmdrm	hypo	CHG	-0.175
Gm05	7435313	7436129	Gmdrm	hypo	CHG	-0.1778
Gm05	7442070	7442127	Gmdrm	hypo	CHG	-0.6475
Gm05	7443371	7443582	Gmdrm	hypo	CHG	-0.3887
Gm05	7443704	7444350	Gmdrm	hypo	CHG	-0.2481
Gm05	7460558	7460704	Gmdrm	hypo	CHG	-0.3
Gm05	7460912	7461041	Gmdrm	hypo	CHG	-0.768
Gm05	7464664	7465084	Gmdrm	hypo	CHG	-0.7508

Gm05	7465430	7465511	Gmdrm	hypo	CHG	-0.215
Gm05	7478912	7479023	Gmdrm	hypo	CHG	-0.765
Gm05	7479604	7479707	Gmdrm	hypo	CHG	-0.31
Gm05	7492148	7492248	Gmdrm	hypo	CHG	-0.539
Gm05	7502505	7502647	Gmdrm	hypo	CHG	-0.265
Gm05	7502902	7503154	Gmdrm	hypo	CHG	-0.7254
Gm05	7524538	7524620	Gmdrm	hypo	CHG	-0.4617
Gm05	7549036	7549107	Gmdrm	hypo	CHG	-0.5029
Gm05	7586622	7586899	Gmdrm	hypo	CHG	-0.0511
Gm05	7603135	7603215	Gmdrm	hypo	CHG	-0.58
Gm05	7714631	7714804	Gmdrm	hypo	CHG	-0.12
Gm05	7715835	7716045	Gmdrm	hypo	CHG	-0.4837
Gm05	7716189	7716681	Gmdrm	hypo	CHG	-0.6264
Gm05	7717670	7717803	Gmdrm	hypo	CHG	-0.37
Gm05	7719186	7719525	Gmdrm	hypo	CHG	-0.0425
Gm05	7762947	7763008	Gmdrm	hypo	CHG	-0.0786
Gm05	7763162	7763240	Gmdrm	hypo	CHG	-0.568
Gm05	7770594	7771274	Gmdrm	hypo	CHG	-0.1625
Gm05	7774721	7774848	Gmdrm	hypo	CHG	-0.055
Gm05	7797040	7797198	Gmdrm	hypo	CHG	-0.046
Gm05	7849995	7850374	Gmdrm	hypo	CHG	-0.3425
Gm05	7853259	7853446	Gmdrm	hypo	CHG	-0.4408
Gm05	7856050	7856187	Gmdrm	hypo	CHG	-0.28
Gm05	7857160	7857323	Gmdrm	hypo	CHG	-0.2633
Gm05	7868520	7868720	Gmdrm	hypo	CHG	-0.21
Gm05	7868991	7869088	Gmdrm	hypo	CHG	-0.3267
Gm05	7925586	7926562	Gmdrm	hypo	CHG	-0.2156
Gm05	7960473	7960639	Gmdrm	hypo	CHG	-0.394
Gm05	7993430	7993623	Gmdrm	hypo	CHG	-0.2337
Gm05	7994278	7995232	Gmdrm	hypo	CHG	-0.1663
Gm05	7995347	7995823	Gmdrm	hypo	CHG	-0.3037
Gm05	7998606	7998793	Gmdrm	hypo	CHG	-0.2258
Gm05	8067469	8067576	Gmdrm	hypo	CHG	-0.26
Gm05	8067906	8067975	Gmdrm	hypo	CHG	-0.04
Gm05	8099603	8099876	Gmdrm	hypo	CHG	-0.1075
Gm05	8108145	8108364	Gmdrm	hypo	CHG	-0.06
Gm05	8252354	8252616	Gmdrm	hypo	CHG	-0.8654
Gm05	8261861	8262012	Gmdrm	hypo	CHG	-0.1928
Gm05	8297341	8297440	Gmdrm	hypo	CHG	-0.4867
Gm05	8297608	8297649	Gmdrm	hypo	CHG	-0.1544
Gm05	8324182	8324370	Gmdrm	hypo	CHG	-0.684
Gm05	8324561	8324649	Gmdrm	hypo	CHG	-0.4055
Gm05	8325390	8325624	Gmdrm	hypo	CHG	-0.4186
Gm05	8327889	8328072	Gmdrm	hypo	CHG	-0.5633
Gm05	8328561	8328644	Gmdrm	hypo	CHG	-0.394
Gm05	8347281	8347801	Gmdrm	hypo	CHG	-0.2519

Gm05	8348200	8348322	Gmdrm	hypo	CHG	-0.106
Gm05	8353946	8354222	Gmdrm	hypo	CHG	-0.1467
Gm05	8368774	8368857	Gmdrm	hypo	CHG	-0.1183
Gm05	8399104	8399152	Gmdrm	hypo	CHG	-0.246
Gm05	8508271	8508780	Gmdrm	hypo	CHG	-0.7233
Gm05	8549080	8549366	Gmdrm	hypo	CHG	-0.2087
Gm05	8552397	8552514	Gmdrm	hypo	CHG	-0.63
Gm05	8576694	8576758	Gmdrm	hypo	CHG	-0.528
Gm05	8617207	8617580	Gmdrm	hypo	CHG	-0.2213
Gm05	8628312	8628448	Gmdrm	hypo	CHG	-0.6689
Gm05	8631686	8631907	Gmdrm	hypo	CHG	-0.1661
Gm05	8633608	8633917	Gmdrm	hypo	CHG	-0.2429
Gm05	8643176	8643233	Gmdrm	hypo	CHG	-0.165
Gm05	8643820	8644029	Gmdrm	hypo	CHG	-0.4775
Gm05	8685582	8685724	Gmdrm	hypo	CHG	-0.8245
Gm05	8686249	8686406	Gmdrm	hypo	CHG	-0.54
Gm05	8737644	8737781	Gmdrm	hypo	CHG	-0.062
Gm05	8739967	8740253	Gmdrm	hypo	CHG	-0.0464
Gm05	8755550	8755698	Gmdrm	hypo	CHG	-0.31
Gm05	8765871	8765900	Gmdrm	hypo	CHG	-0.22
Gm05	8894767	8894826	Gmdrm	hypo	CHG	-0.25
Gm05	8895285	8896245	Gmdrm	hypo	CHG	-0.1118
Gm05	8896322	8896699	Gmdrm	hypo	CHG	-0.6044
Gm05	8907167	8907678	Gmdrm	hypo	CHG	-0.2087
Gm05	8963328	8963853	Gmdrm	hypo	CHG	-0.1487
Gm05	8965348	8965428	Gmdrm	hypo	CHG	-0.332
Gm05	8973424	8973849	Gmdrm	hypo	CHG	-0.2876
Gm05	8975663	8975979	Gmdrm	hypo	CHG	-0.0288
Gm05	8976767	8976847	Gmdrm	hypo	CHG	-0.038
Gm05	8977264	8977758	Gmdrm	hypo	CHG	-0.2205
Gm05	9003965	9004261	Gmdrm	hypo	CHG	-0.1515
Gm05	9004695	9004748	Gmdrm	hypo	CHG	-0.295
Gm05	9008519	9008863	Gmdrm	hypo	CHG	-0.7335
Gm05	9254480	9254661	Gmdrm	hypo	CHG	-0.349
Gm05	9261722	9261788	Gmdrm	hypo	CHG	-0.042
Gm05	9264942	9265254	Gmdrm	hypo	CHG	-0.4369
Gm05	9265411	9265838	Gmdrm	hypo	CHG	-0.5906
Gm05	9267657	9267750	Gmdrm	hypo	CHG	-0.064
Gm05	9374249	9374509	Gmdrm	hypo	CHG	-0.534
Gm05	9374830	9374919	Gmdrm	hypo	CHG	-0.8028
Gm05	9380675	9380810	Gmdrm	hypo	CHG	-0.4675
Gm05	9383152	9383355	Gmdrm	hypo	CHG	-0.37
Gm05	9438326	9438575	Gmdrm	hypo	CHG	-0.7822
Gm05	9438886	9438979	Gmdrm	hypo	CHG	-0.436
Gm05	9440032	9440212	Gmdrm	hypo	CHG	-0.3989
Gm05	9440586	9440725	Gmdrm	hypo	CHG	-0.6973

Gm05	9441023	9441071 Gmdrm	hypo	CHG	-0.856
Gm05	9449561	9449982 Gmdrm	hypo	CHG	-0.24
Gm05	9546286	9546426 Gmdrm	hypo	CHG	-0.5613
Gm05	9550481	9550682 Gmdrm	hypo	CHG	-0.38
Gm05	9557257	9557347 Gmdrm	hypo	CHG	-0.5778
Gm05	9561813	9562031 Gmdrm	hypo	CHG	-0.135
Gm05	9564171	9564255 Gmdrm	hypo	CHG	-0.8478
Gm05	9579108	9579129 Gmdrm	hypo	CHG	-0.5
Gm05	9607703	9607821 Gmdrm	hypo	CHG	-0.509
Gm05	9609994	9610108 Gmdrm	hypo	CHG	-0.6728
Gm05	9614726	9614888 Gmdrm	hypo	CHG	-0.5986
Gm05	9633689	9633968 Gmdrm	hypo	CHG	-0.4612
Gm05	9641173	9641246 Gmdrm	hypo	CHG	-0.1983
Gm05	9652903	9653116 Gmdrm	hypo	CHG	-0.0313
Gm05	9654442	9654511 Gmdrm	hypo	CHG	-0.7383
Gm05	9701728	9701926 Gmdrm	hypo	CHG	-0.36
Gm05	9713058	9713526 Gmdrm	hypo	CHG	-0.1116
Gm05	9715692	9715776 Gmdrm	hypo	CHG	-0.144
Gm05	9757636	9757826 Gmdrm	hypo	CHG	-0.3757
Gm05	9856602	9857279 Gmdrm	hypo	CHG	-0.675
Gm05	9908980	9909096 Gmdrm	hypo	CHG	-0.056
Gm05	9909523	9910207 Gmdrm	hypo	CHG	-0.6955
Gm05	10037837	10038045 Gmdrm	hypo	CHG	-0.2344
Gm05	10050429	10050456 Gmdrm	hypo	CHG	-0.65
Gm05	10051298	10051518 Gmdrm	hypo	CHG	-0.6527
Gm05	10051812	10052023 Gmdrm	hypo	CHG	-0.7355
Gm05	10052259	10052825 Gmdrm	hypo	CHG	-0.7758
Gm05	10058986	10059095 Gmdrm	hypo	CHG	-0.265
Gm05	10063164	10063364 Gmdrm	hypo	CHG	-0.3712
Gm05	10072907	10073020 Gmdrm	hypo	CHG	-0.415
Gm05	10083267	10083583 Gmdrm	hypo	CHG	-0.2497
Gm05	10084791	10084880 Gmdrm	hypo	CHG	-0.771
Gm05	10090573	10090845 Gmdrm	hypo	CHG	-0.4987
Gm05	10135439	10135788 Gmdrm	hypo	CHG	-0.1433
Gm05	10142433	10142878 Gmdrm	hypo	CHG	-0.261
Gm05	10177008	10177323 Gmdrm	hypo	CHG	-0.1153
Gm05	10215431	10215586 Gmdrm	hypo	CHG	-0.6144
Gm05	10224416	10224543 Gmdrm	hypo	CHG	-0.67
Gm05	10226552	10226618 Gmdrm	hypo	CHG	-0.4975
Gm05	10231301	10231482 Gmdrm	hypo	CHG	-0.7428
Gm05	10231985	10232166 Gmdrm	hypo	CHG	-0.4129
Gm05	10237225	10237270 Gmdrm	hypo	CHG	-0.366
Gm05	10241570	10241745 Gmdrm	hypo	CHG	-0.7533
Gm05	10449039	10449212 Gmdrm	hypo	CHG	-0.56
Gm05	10453242	10453583 Gmdrm	hypo	CHG	-0.3822
Gm05	10457765	10458007 Gmdrm	hypo	CHG	-0.4068

Gm05	10492696	10492983	Gmdrm	hypo	CHG	-0.5827
Gm05	10493568	10493759	Gmdrm	hypo	CHG	-0.5513
Gm05	10515052	10515296	Gmdrm	hypo	CHG	-0.7631
Gm05	10707142	10707259	Gmdrm	hypo	CHG	-0.26
Gm05	10746120	10746150	Gmdrm	hypo	CHG	-0.2083
Gm05	10748213	10748308	Gmdrm	hypo	CHG	-0.0372
Gm05	10823621	10823761	Gmdrm	hypo	CHG	-0.4183
Gm05	10833274	10833421	Gmdrm	hypo	CHG	-0.6713
Gm05	10994907	10995242	Gmdrm	hypo	CHG	-0.3333
Gm05	11003854	11004035	Gmdrm	hypo	CHG	-0.09
Gm05	11135162	11135369	Gmdrm	hypo	CHG	-0.074
Gm05	11141328	11141449	Gmdrm	hypo	CHG	-0.451
Gm05	11152880	11153075	Gmdrm	hypo	CHG	-0.5183
Gm05	11332907	11333442	Gmdrm	hypo	CHG	-0.1515
Gm05	11361001	11361089	Gmdrm	hypo	CHG	-0.22
Gm05	11438893	11439110	Gmdrm	hypo	CHG	-0.605
Gm05	11452807	11453246	Gmdrm	hypo	CHG	-0.3075
Gm05	11469540	11469729	Gmdrm	hypo	CHG	-0.104
Gm05	11550953	11551032	Gmdrm	hypo	CHG	-0.6983
Gm05	11592203	11592445	Gmdrm	hypo	CHG	-0.1871
Gm05	11674141	11674280	Gmdrm	hypo	CHG	-0.2163
Gm05	11708998	11709349	Gmdrm	hypo	CHG	-0.3692
Gm05	11709516	11709712	Gmdrm	hypo	CHG	-0.2443
Gm05	11760534	11760943	Gmdrm	hypo	CHG	-0.2319
Gm05	11770693	11771526	Gmdrm	hypo	CHG	-0.1548
Gm05	11793492	11793545	Gmdrm	hypo	CHG	-0.1534
Gm05	11806554	11806765	Gmdrm	hypo	CHG	-0.1389
Gm05	11936205	11936359	Gmdrm	hypo	CHG	-0.1586
Gm05	11936469	11936582	Gmdrm	hypo	CHG	-0.42
Gm05	11938979	11939067	Gmdrm	hypo	CHG	-0.5955
Gm05	11946170	11946503	Gmdrm	hypo	CHG	-0.2878
Gm05	11972638	11973079	Gmdrm	hypo	CHG	-0.515
Gm05	12220023	12220160	Gmdrm	hypo	CHG	-0.04
Gm05	12356677	12357480	Gmdrm	hypo	CHG	-0.0791
Gm05	12390588	12390666	Gmdrm	hypo	CHG	-0.6771
Gm05	12795332	12795787	Gmdrm	hypo	CHG	-0.4403
Gm05	12812069	12812275	Gmdrm	hypo	CHG	-0.0371
Gm05	12812419	12812607	Gmdrm	hypo	CHG	-0.0343
Gm05	12814218	12815211	Gmdrm	hypo	CHG	-0.2339
Gm05	13077824	13078063	Gmdrm	hypo	CHG	-0.0362
Gm05	13206073	13206222	Gmdrm	hypo	CHG	-0.3711
Gm05	13206356	13206738	Gmdrm	hypo	CHG	-0.4368
Gm05	13207001	13207146	Gmdrm	hypo	CHG	-0.302
Gm05	13209626	13209931	Gmdrm	hypo	CHG	-0.5186
Gm05	13210067	13210173	Gmdrm	hypo	CHG	-0.7492
Gm05	13778581	13778823	Gmdrm	hypo	CHG	-0.5892

Gm05	14055611	14055738	Gmdrm	hypo	CHG	-0.4914
Gm05	14063038	14063204	Gmdrm	hypo	CHG	-0.036
Gm05	14086355	14086453	Gmdrm	hypo	CHG	-0.4771
Gm05	14103356	14103654	Gmdrm	hypo	CHG	-0.4085
Gm05	14110535	14110709	Gmdrm	hypo	CHG	-0.63
Gm05	14111455	14111653	Gmdrm	hypo	CHG	-0.045
Gm05	14113026	14113359	Gmdrm	hypo	CHG	-0.0444
Gm05	14134728	14135225	Gmdrm	hypo	CHG	-0.3669
Gm05	14183290	14183428	Gmdrm	hypo	CHG	-0.4786
Gm05	14190422	14190478	Gmdrm	hypo	CHG	-0.0987
Gm05	14335370	14335450	Gmdrm	hypo	CHG	-0.31
Gm05	14340503	14340651	Gmdrm	hypo	CHG	-0.046
Gm05	14340764	14341405	Gmdrm	hypo	CHG	-0.3058
Gm05	14348614	14348765	Gmdrm	hypo	CHG	-0.7977
Gm05	14351262	14351434	Gmdrm	hypo	CHG	-0.0275
Gm05	14379531	14379645	Gmdrm	hypo	CHG	-0.736
Gm05	14386037	14386244	Gmdrm	hypo	CHG	-0.79
Gm05	14432492	14432651	Gmdrm	hypo	CHG	-0.1891
Gm05	14707448	14708044	Gmdrm	hypo	CHG	-0.3779
Gm05	14708147	14708957	Gmdrm	hypo	CHG	-0.221
Gm05	14754466	14754758	Gmdrm	hypo	CHG	-0.5301
Gm05	14763512	14763566	Gmdrm	hypo	CHG	-0.4116
Gm05	14765265	14766066	Gmdrm	hypo	CHG	-0.0433
Gm05	14769761	14769854	Gmdrm	hypo	CHG	-0.4788
Gm05	14779074	14779370	Gmdrm	hypo	CHG	-0.485
Gm05	14851392	14852075	Gmdrm	hypo	CHG	-0.3417
Gm05	14852212	14853208	Gmdrm	hypo	CHG	-0.3171
Gm05	14854004	14854439	Gmdrm	hypo	CHG	-0.1854
Gm05	14856083	14856293	Gmdrm	hypo	CHG	-0.1242
Gm05	14870856	14871046	Gmdrm	hypo	CHG	-0.4818
Gm05	14877691	14877848	Gmdrm	hypo	CHG	-0.1012
Gm05	14933987	14934863	Gmdrm	hypo	CHG	-0.1715
Gm05	15044703	15044844	Gmdrm	hypo	CHG	-0.3655
Gm05	15108683	15108771	Gmdrm	hypo	CHG	-0.335
Gm05	15133205	15133434	Gmdrm	hypo	CHG	-0.589
Gm05	15152380	15152479	Gmdrm	hypo	CHG	-0.0733
Gm05	15158699	15158965	Gmdrm	hypo	CHG	-0.046
Gm05	15173645	15173944	Gmdrm	hypo	CHG	-0.4322
Gm05	15175603	15176057	Gmdrm	hypo	CHG	-0.0553
Gm05	15176529	15177505	Gmdrm	hypo	CHG	-0.3682
Gm05	15177553	15177961	Gmdrm	hypo	CHG	-0.4392
Gm05	15178402	15178852	Gmdrm	hypo	CHG	-0.376
Gm05	15189771	15189895	Gmdrm	hypo	CHG	-0.0863
Gm05	15193162	15193463	Gmdrm	hypo	CHG	-0.3378
Gm05	15198648	15199049	Gmdrm	hypo	CHG	-0.0487
Gm05	15288107	15288278	Gmdrm	hypo	CHG	-0.4544

Gm05	15297188	15297450	Gmdrm	hypo	CHG	-0.8095
Gm05	15468730	15468913	Gmdrm	hypo	CHG	-0.514
Gm05	15480587	15480722	Gmdrm	hypo	CHG	-0.5743
Gm05	15494136	15494437	Gmdrm	hypo	CHG	-0.3605
Gm05	15495837	15495960	Gmdrm	hypo	CHG	-0.39
Gm05	15496755	15496968	Gmdrm	hypo	CHG	-0.5207
Gm05	15497285	15497629	Gmdrm	hypo	CHG	-0.6254
Gm05	15525750	15525879	Gmdrm	hypo	CHG	-0.51
Gm05	15763564	15763620	Gmdrm	hypo	CHG	-0.358
Gm05	15838262	15838708	Gmdrm	hypo	CHG	-0.0794
Gm05	15867181	15867200	Gmdrm	hypo	CHG	-0.51
Gm05	15877975	15878131	Gmdrm	hypo	CHG	-0.7112
Gm05	15920992	15921085	Gmdrm	hypo	CHG	-0.5
Gm05	15921347	15921508	Gmdrm	hypo	CHG	-0.4591
Gm05	15966366	15966777	Gmdrm	hypo	CHG	-0.325
Gm05	16055630	16055786	Gmdrm	hypo	CHG	-0.035
Gm05	16058407	16058573	Gmdrm	hypo	CHG	-0.838
Gm05	16068966	16069596	Gmdrm	hypo	CHG	-0.4342
Gm05	16069825	16070050	Gmdrm	hypo	CHG	-0.3287
Gm05	16070502	16070875	Gmdrm	hypo	CHG	-0.3914
Gm05	16071157	16071749	Gmdrm	hypo	CHG	-0.4563
Gm05	16072102	16072283	Gmdrm	hypo	CHG	-0.2881
Gm05	16072391	16072447	Gmdrm	hypo	CHG	-0.5233
Gm05	16073365	16073540	Gmdrm	hypo	CHG	-0.4407
Gm05	16074134	16074338	Gmdrm	hypo	CHG	-0.4288
Gm05	16082109	16082666	Gmdrm	hypo	CHG	-0.1719
Gm05	16095792	16096497	Gmdrm	hypo	CHG	-0.1861
Gm05	16104790	16104966	Gmdrm	hypo	CHG	-0.461
Gm05	16121537	16121776	Gmdrm	hypo	CHG	-0.23
Gm05	16134788	16135190	Gmdrm	hypo	CHG	-0.5038
Gm05	16135312	16135449	Gmdrm	hypo	CHG	-0.61
Gm05	16138416	16138526	Gmdrm	hypo	CHG	-0.016
Gm05	16142267	16142313	Gmdrm	hypo	CHG	-0.8471
Gm05	16147663	16147851	Gmdrm	hypo	CHG	-0.371
Gm05	16564851	16564943	Gmdrm	hypo	CHG	-0.5384
Gm05	16580018	16580227	Gmdrm	hypo	CHG	-0.7012
Gm05	16684693	16685088	Gmdrm	hypo	CHG	-0.5122
Gm05	16692081	16693006	Gmdrm	hypo	CHG	-0.4441
Gm05	16697215	16697342	Gmdrm	hypo	CHG	-0.1725
Gm05	16737595	16737635	Gmdrm	hypo	CHG	-0.3643
Gm05	16873805	16873873	Gmdrm	hypo	CHG	-0.1083
Gm05	17123473	17123561	Gmdrm	hypo	CHG	-0.4734
Gm05	17150136	17150570	Gmdrm	hypo	CHG	-0.0633
Gm05	17154815	17154870	Gmdrm	hypo	CHG	-0.8685
Gm05	17219233	17219562	Gmdrm	hypo	CHG	-0.5338
Gm05	17286187	17286354	Gmdrm	hypo	CHG	-0.0343

Gm05	17287343	17287868	Gmdrm	hypo	CHG	-0.47
Gm05	17394110	17394653	Gmdrm	hypo	CHG	-0.1754
Gm05	17395562	17395871	Gmdrm	hypo	CHG	-0.0287
Gm05	17957636	17958037	Gmdrm	hypo	CHG	-0.2408
Gm05	18011965	18012179	Gmdrm	hypo	CHG	-0.6837
Gm05	18082246	18082743	Gmdrm	hypo	CHG	-0.2938
Gm05	18083915	18084131	Gmdrm	hypo	CHG	-0.2555
Gm05	18483010	18483222	Gmdrm	hypo	CHG	-0.3886
Gm05	18926598	18926752	Gmdrm	hypo	CHG	-0.56
Gm05	18932688	18932926	Gmdrm	hypo	CHG	-0.0911
Gm05	18937099	18937213	Gmdrm	hypo	CHG	-0.038
Gm05	19363424	19363569	Gmdrm	hypo	CHG	-0.52
Gm05	19363922	19364152	Gmdrm	hypo	CHG	-0.3578
Gm05	19365324	19365453	Gmdrm	hypo	CHG	-0.3017
Gm05	19465590	19466154	Gmdrm	hypo	CHG	-0.5466
Gm05	19489808	19490698	Gmdrm	hypo	CHG	-0.2639
Gm05	19572973	19573187	Gmdrm	hypo	CHG	-0.45
Gm05	19899551	19899769	Gmdrm	hypo	CHG	-0.681
Gm05	19900319	19900541	Gmdrm	hypo	CHG	-0.8914
Gm05	19911522	19911633	Gmdrm	hypo	CHG	-0.46
Gm05	19913178	19913585	Gmdrm	hypo	CHG	-0.695
Gm05	19913850	19914004	Gmdrm	hypo	CHG	-0.788
Gm05	19914118	19914282	Gmdrm	hypo	CHG	-0.3756
Gm05	19914509	19914690	Gmdrm	hypo	CHG	-0.6122
Gm05	19941737	19942323	Gmdrm	hypo	CHG	-0.2872
Gm05	20008036	20008900	Gmdrm	hypo	CHG	-0.1761
Gm05	20009079	20009182	Gmdrm	hypo	CHG	-0.7825
Gm05	20061486	20061538	Gmdrm	hypo	CHG	-0.496
Gm05	20062338	20062968	Gmdrm	hypo	CHG	-0.57
Gm05	20072337	20072407	Gmdrm	hypo	CHG	-0.356
Gm05	20076357	20076587	Gmdrm	hypo	CHG	-0.259
Gm05	20076722	20077115	Gmdrm	hypo	CHG	-0.2027
Gm05	20083693	20083781	Gmdrm	hypo	CHG	-0.1328
Gm05	20090901	20091194	Gmdrm	hypo	CHG	-0.3429
Gm05	20101924	20101965	Gmdrm	hypo	CHG	-0.53
Gm05	20252358	20253342	Gmdrm	hypo	CHG	-0.1057
Gm05	20260366	20261347	Gmdrm	hypo	CHG	-0.1486
Gm05	20288859	20289556	Gmdrm	hypo	CHG	-0.0723
Gm05	20330487	20330993	Gmdrm	hypo	CHG	-0.2022
Gm05	20342187	20342554	Gmdrm	hypo	CHG	-0.1482
Gm05	20346918	20347136	Gmdrm	hypo	CHG	-0.1971
Gm05	20352541	20352948	Gmdrm	hypo	CHG	-0.1569
Gm05	20360179	20360786	Gmdrm	hypo	CHG	-0.2193
Gm05	21137775	21137845	Gmdrm	hypo	CHG	-0.16
Gm05	21269155	21269246	Gmdrm	hypo	CHG	-0.2283
Gm05	21596641	21596901	Gmdrm	hypo	CHG	-0.8034

Gm05	21598776	21598851	Gmdrm	hypo	CHG	-0.2034
Gm05	21977962	21978256	Gmdrm	hypo	CHG	-0.052
Gm05	21991639	21991821	Gmdrm	hypo	CHG	-0.17
Gm05	21996631	21996888	Gmdrm	hypo	CHG	-0.5511
Gm05	22050010	22050477	Gmdrm	hypo	CHG	-0.221
Gm05	22051275	22051483	Gmdrm	hypo	CHG	-0.161
Gm05	22087999	22088291	Gmdrm	hypo	CHG	-0.3183
Gm05	22124682	22124916	Gmdrm	hypo	CHG	-0.34
Gm05	22211386	22211454	Gmdrm	hypo	CHG	-0.6642
Gm05	22211694	22211964	Gmdrm	hypo	CHG	-0.3843
Gm05	22217133	22217690	Gmdrm	hypo	CHG	-0.6812
Gm05	22217912	22218123	Gmdrm	hypo	CHG	-0.6886
Gm05	22218844	22219082	Gmdrm	hypo	CHG	-0.8046
Gm05	22219208	22219253	Gmdrm	hypo	CHG	-0.91
Gm05	22221072	22221499	Gmdrm	hypo	CHG	-0.4635
Gm05	22222847	22222976	Gmdrm	hypo	CHG	-0.05
Gm05	22247056	22247472	Gmdrm	hypo	CHG	-0.206
Gm05	22334783	22334981	Gmdrm	hypo	CHG	-0.0788
Gm05	22700559	22700666	Gmdrm	hypo	CHG	-0.05
Gm05	22701027	22701173	Gmdrm	hypo	CHG	-0.14
Gm05	22702474	22702724	Gmdrm	hypo	CHG	-0.1528
Gm05	23035275	23035358	Gmdrm	hypo	CHG	-0.4437
Gm05	23199599	23199790	Gmdrm	hypo	CHG	-0.16
Gm05	23315645	23315812	Gmdrm	hypo	CHG	-0.09
Gm05	23441956	23442100	Gmdrm	hypo	CHG	-0.1126
Gm05	23447169	23447205	Gmdrm	hypo	CHG	-0.335
Gm05	23449860	23449886	Gmdrm	hypo	CHG	-0.518
Gm05	23457189	23457373	Gmdrm	hypo	CHG	-0.413
Gm05	23458850	23459006	Gmdrm	hypo	CHG	-0.434
Gm05	23481815	23482759	Gmdrm	hypo	CHG	-0.1471
Gm05	23633401	23633822	Gmdrm	hypo	CHG	-0.395
Gm05	23672839	23672936	Gmdrm	hypo	CHG	-0.2714
Gm05	23674077	23674494	Gmdrm	hypo	CHG	-0.0841
Gm05	23694650	23694716	Gmdrm	hypo	CHG	-0.532
Gm05	23694827	23695240	Gmdrm	hypo	CHG	-0.2108
Gm05	23702817	23702980	Gmdrm	hypo	CHG	-0.352
Gm05	23744658	23744892	Gmdrm	hypo	CHG	-0.2289
Gm05	23745055	23745345	Gmdrm	hypo	CHG	-0.4714
Gm05	23751028	23751191	Gmdrm	hypo	CHG	-0.2428
Gm05	23871946	23872134	Gmdrm	hypo	CHG	-0.6718
Gm05	23876331	23876359	Gmdrm	hypo	CHG	-0.6243
Gm05	23876492	23877217	Gmdrm	hypo	CHG	-0.2829
Gm05	23877324	23877898	Gmdrm	hypo	CHG	-0.1835
Gm05	23878056	23878184	Gmdrm	hypo	CHG	-0.2758
Gm05	23878345	23878457	Gmdrm	hypo	CHG	-0.3467
Gm05	23879419	23879620	Gmdrm	hypo	CHG	-0.5958

Gm05	23879982	23880190	Gmdrm	hypo	CHG	-0.626
Gm05	23880457	23880649	Gmdrm	hypo	CHG	-0.559
Gm05	23880908	23880954	Gmdrm	hypo	CHG	-0.6484
Gm05	23881088	23881119	Gmdrm	hypo	CHG	-0.792
Gm05	23881386	23881580	Gmdrm	hypo	CHG	-0.3863
Gm05	23882197	23882278	Gmdrm	hypo	CHG	-0.8567
Gm05	23882402	23882736	Gmdrm	hypo	CHG	-0.8045
Gm05	23882842	23882995	Gmdrm	hypo	CHG	-0.555
Gm05	23891465	23891584	Gmdrm	hypo	CHG	-0.4557
Gm05	24007451	24007645	Gmdrm	hypo	CHG	-0.395
Gm05	24022776	24022844	Gmdrm	hypo	CHG	-0.73
Gm05	24130423	24130628	Gmdrm	hypo	CHG	-0.7487
Gm05	24130999	24131239	Gmdrm	hypo	CHG	-0.3743
Gm05	24319219	24319527	Gmdrm	hypo	CHG	-0.32
Gm05	24557137	24557312	Gmdrm	hypo	CHG	-0.375
Gm05	24760935	24761102	Gmdrm	hypo	CHG	-0.8675
Gm05	24761362	24761379	Gmdrm	hypo	CHG	-0.75
Gm05	24763443	24763660	Gmdrm	hypo	CHG	-0.0367
Gm05	24768249	24768798	Gmdrm	hypo	CHG	-0.2867
Gm05	24788678	24788899	Gmdrm	hypo	CHG	-0.4479
Gm05	24789208	24789353	Gmdrm	hypo	CHG	-0.6086
Gm05	24790716	24790803	Gmdrm	hypo	CHG	-0.6937
Gm05	24791277	24791555	Gmdrm	hypo	CHG	-0.6229
Gm05	24791751	24791962	Gmdrm	hypo	CHG	-0.6241
Gm05	24792215	24792774	Gmdrm	hypo	CHG	-0.5631
Gm05	24794694	24794947	Gmdrm	hypo	CHG	-0.5316
Gm05	24795584	24795766	Gmdrm	hypo	CHG	-0.5314
Gm05	24796261	24796538	Gmdrm	hypo	CHG	-0.4329
Gm05	24797204	24797454	Gmdrm	hypo	CHG	-0.786
Gm05	24797578	24797945	Gmdrm	hypo	CHG	-0.8387
Gm05	24798056	24798172	Gmdrm	hypo	CHG	-0.108
Gm05	24798646	24798769	Gmdrm	hypo	CHG	-0.0667
Gm05	24870011	24870072	Gmdrm	hypo	CHG	-0.1667
Gm05	24885028	24885052	Gmdrm	hypo	CHG	-0.22
Gm05	24889645	24889838	Gmdrm	hypo	CHG	-0.5509
Gm05	24890876	24891101	Gmdrm	hypo	CHG	-0.5733
Gm05	24891221	24891248	Gmdrm	hypo	CHG	-0.558
Gm05	24899619	24900267	Gmdrm	hypo	CHG	-0.3052
Gm05	24975815	24976098	Gmdrm	hypo	CHG	-0.115
Gm05	25012755	25012960	Gmdrm	hypo	CHG	-0.302
Gm05	25030561	25030671	Gmdrm	hypo	CHG	-0.625
Gm05	25031716	25031791	Gmdrm	hypo	CHG	-0.26
Gm05	25033443	25033589	Gmdrm	hypo	CHG	-0.732
Gm05	25034191	25034290	Gmdrm	hypo	CHG	-0.7637
Gm05	25034545	25034615	Gmdrm	hypo	CHG	-0.8133
Gm05	25034747	25035010	Gmdrm	hypo	CHG	-0.7382

Gm05	25045098	25045339	Gmdrm	hypo	CHG	-0.8225
Gm05	25045576	25045722	Gmdrm	hypo	CHG	-0.7171
Gm05	25151453	25151696	Gmdrm	hypo	CHG	-0.5719
Gm05	25515887	25516299	Gmdrm	hypo	CHG	-0.1781
Gm05	25516743	25516837	Gmdrm	hypo	CHG	-0.6543
Gm05	25539370	25539533	Gmdrm	hypo	CHG	-0.54
Gm05	25560731	25560890	Gmdrm	hypo	CHG	-0.4925
Gm05	25667011	25667071	Gmdrm	hypo	CHG	-0.544
Gm05	25676519	25676577	Gmdrm	hypo	CHG	-0.485
Gm05	25682455	25682493	Gmdrm	hypo	CHG	-0.425
Gm05	25702253	25702391	Gmdrm	hypo	CHG	-0.675
Gm05	25702948	25703286	Gmdrm	hypo	CHG	-0.4472
Gm05	25705273	25705354	Gmdrm	hypo	CHG	-0.6981
Gm05	25705459	25705525	Gmdrm	hypo	CHG	-0.1375
Gm05	25709114	25709131	Gmdrm	hypo	CHG	-0.3075
Gm05	25709257	25709468	Gmdrm	hypo	CHG	-0.3399
Gm05	25712539	25712647	Gmdrm	hypo	CHG	-0.0471
Gm05	25739303	25739450	Gmdrm	hypo	CHG	-0.6784
Gm05	25812016	25812164	Gmdrm	hypo	CHG	-0.5967
Gm05	25813781	25814179	Gmdrm	hypo	CHG	-0.4237
Gm05	25814473	25814613	Gmdrm	hypo	CHG	-0.662
Gm05	25833384	25833776	Gmdrm	hypo	CHG	-0.05
Gm05	25835338	25835499	Gmdrm	hypo	CHG	-0.5266
Gm05	25847259	25847427	Gmdrm	hypo	CHG	-0.044
Gm05	25849603	25849671	Gmdrm	hypo	CHG	-0.0613
Gm05	25898029	25898096	Gmdrm	hypo	CHG	-0.8057
Gm05	25927919	25927968	Gmdrm	hypo	CHG	-0.248
Gm05	25999120	25999598	Gmdrm	hypo	CHG	-0.2261
Gm05	26042421	26043388	Gmdrm	hypo	CHG	-0.2544
Gm05	26164507	26164653	Gmdrm	hypo	CHG	-0.5722
Gm05	26180231	26180514	Gmdrm	hypo	CHG	-0.2085
Gm05	26256237	26256386	Gmdrm	hypo	CHG	-0.644
Gm05	26275723	26275892	Gmdrm	hypo	CHG	-0.3129
Gm05	26278349	26278542	Gmdrm	hypo	CHG	-0.0866
Gm05	26281840	26282156	Gmdrm	hypo	CHG	-0.2014
Gm05	26316295	26316680	Gmdrm	hypo	CHG	-0.6156
Gm05	26316845	26317052	Gmdrm	hypo	CHG	-0.596
Gm05	26317194	26317511	Gmdrm	hypo	CHG	-0.4454
Gm05	26377170	26377274	Gmdrm	hypo	CHG	-0.348
Gm05	26379699	26379940	Gmdrm	hypo	CHG	-0.135
Gm05	26380394	26381186	Gmdrm	hypo	CHG	-0.2151
Gm05	26384437	26384559	Gmdrm	hypo	CHG	-0.544
Gm05	26385513	26385673	Gmdrm	hypo	CHG	-0.1989
Gm05	26410822	26411009	Gmdrm	hypo	CHG	-0.3237
Gm05	26412911	26413028	Gmdrm	hypo	CHG	-0.435
Gm05	26443985	26444035	Gmdrm	hypo	CHG	-0.266

Gm05	26457375	26457460	Gmdrm	hypo	CHG	-0.5183
Gm05	26480418	26480561	Gmdrm	hypo	CHG	-0.0355
Gm05	26498652	26498952	Gmdrm	hypo	CHG	-0.3385
Gm05	26534598	26535104	Gmdrm	hypo	CHG	-0.5456
Gm05	26535246	26535488	Gmdrm	hypo	CHG	-0.5496
Gm05	26540693	26540856	Gmdrm	hypo	CHG	-0.6814
Gm05	26541155	26541344	Gmdrm	hypo	CHG	-0.4586
Gm05	26587477	26587583	Gmdrm	hypo	CHG	-0.39
Gm05	26587801	26587916	Gmdrm	hypo	CHG	-0.832
Gm05	26590020	26590137	Gmdrm	hypo	CHG	-0.5292
Gm05	26648150	26648238	Gmdrm	hypo	CHG	-0.3966
Gm05	26648715	26648851	Gmdrm	hypo	CHG	-0.4733
Gm05	26649132	26649343	Gmdrm	hypo	CHG	-0.3178
Gm05	26649515	26649795	Gmdrm	hypo	CHG	-0.405
Gm05	26650172	26650420	Gmdrm	hypo	CHG	-0.771
Gm05	26650588	26650842	Gmdrm	hypo	CHG	-0.6343
Gm05	26651272	26651398	Gmdrm	hypo	CHG	-0.034
Gm05	26653457	26653692	Gmdrm	hypo	CHG	-0.0324
Gm05	26672471	26672618	Gmdrm	hypo	CHG	-0.725
Gm05	26673048	26673201	Gmdrm	hypo	CHG	-0.46
Gm05	26678636	26679041	Gmdrm	hypo	CHG	-0.4843
Gm05	26687005	26687032	Gmdrm	hypo	CHG	-0.3867
Gm05	26687170	26687231	Gmdrm	hypo	CHG	-0.25
Gm05	26691290	26691487	Gmdrm	hypo	CHG	-0.0366
Gm05	26699198	26700109	Gmdrm	hypo	CHG	-0.2939
Gm05	26700221	26700628	Gmdrm	hypo	CHG	-0.4117
Gm05	26748124	26748660	Gmdrm	hypo	CHG	-0.7158
Gm05	26784343	26784626	Gmdrm	hypo	CHG	-0.3757
Gm05	26808258	26808495	Gmdrm	hypo	CHG	-0.3957
Gm05	26808842	26809076	Gmdrm	hypo	CHG	-0.5721
Gm05	26830976	26831169	Gmdrm	hypo	CHG	-0.3278
Gm05	26831840	26832329	Gmdrm	hypo	CHG	-0.2869
Gm05	26869711	26869973	Gmdrm	hypo	CHG	-0.4688
Gm05	26877613	26877782	Gmdrm	hypo	CHG	-0.038
Gm05	27022267	27022301	Gmdrm	hypo	CHG	-0.7
Gm05	27071980	27072251	Gmdrm	hypo	CHG	-0.4469
Gm05	27080161	27080234	Gmdrm	hypo	CHG	-0.815
Gm05	27092817	27092934	Gmdrm	hypo	CHG	-0.6587
Gm05	27093053	27093172	Gmdrm	hypo	CHG	-0.6608
Gm05	27106352	27106443	Gmdrm	hypo	CHG	-0.0971
Gm05	27112289	27112600	Gmdrm	hypo	CHG	-0.382
Gm05	27123127	27123153	Gmdrm	hypo	CHG	-0.3443
Gm05	27135431	27136163	Gmdrm	hypo	CHG	-0.4835
Gm05	27158882	27159618	Gmdrm	hypo	CHG	-0.1981
Gm05	27163283	27164049	Gmdrm	hypo	CHG	-0.1684
Gm05	27201574	27202025	Gmdrm	hypo	CHG	-0.1553

Gm05	27245889	27246433	Gmdrm	hypo	CHG	-0.1203
Gm05	27264100	27264262	Gmdrm	hypo	CHG	-0.035
Gm05	27321678	27321804	Gmdrm	hypo	CHG	-0.5
Gm05	27322633	27322724	Gmdrm	hypo	CHG	-0.2875
Gm05	27390501	27390629	Gmdrm	hypo	CHG	-0.09
Gm05	27395190	27395640	Gmdrm	hypo	CHG	-0.1167
Gm05	27439342	27439450	Gmdrm	hypo	CHG	-0.44
Gm05	27453797	27454066	Gmdrm	hypo	CHG	-0.4612
Gm05	27474946	27475045	Gmdrm	hypo	CHG	-0.2345
Gm05	27477668	27478069	Gmdrm	hypo	CHG	-0.4635
Gm05	27532997	27533105	Gmdrm	hypo	CHG	-0.15
Gm05	27533212	27533355	Gmdrm	hypo	CHG	-0.6133
Gm05	27536817	27537367	Gmdrm	hypo	CHG	-0.3118
Gm05	27537474	27537550	Gmdrm	hypo	CHG	-0.624
Gm05	27602150	27602262	Gmdrm	hypo	CHG	-0.1966
Gm05	27620709	27620821	Gmdrm	hypo	CHG	-0.532
Gm05	27630545	27630600	Gmdrm	hypo	CHG	-0.638
Gm05	27637219	27637355	Gmdrm	hypo	CHG	-0.5667
Gm05	27651371	27651502	Gmdrm	hypo	CHG	-0.275
Gm05	27652324	27652617	Gmdrm	hypo	CHG	-0.3582
Gm05	27661447	27661859	Gmdrm	hypo	CHG	-0.8374
Gm05	27662304	27662509	Gmdrm	hypo	CHG	-0.5519
Gm05	27674224	27674618	Gmdrm	hypo	CHG	-0.6996
Gm05	27707727	27707922	Gmdrm	hypo	CHG	-0.393
Gm05	27747182	27747847	Gmdrm	hypo	CHG	-0.492
Gm05	27811944	27811970	Gmdrm	hypo	CHG	-0.1667
Gm05	27813265	27813371	Gmdrm	hypo	CHG	-0.495
Gm05	27813510	27813596	Gmdrm	hypo	CHG	-0.7986
Gm05	27813698	27813972	Gmdrm	hypo	CHG	-0.2715
Gm05	27830591	27830831	Gmdrm	hypo	CHG	-0.7583
Gm05	27831061	27831104	Gmdrm	hypo	CHG	-0.7166
Gm05	27831304	27831443	Gmdrm	hypo	CHG	-0.7885
Gm05	27834779	27834931	Gmdrm	hypo	CHG	-0.6615
Gm05	27835052	27835182	Gmdrm	hypo	CHG	-0.5662
Gm05	27841880	27842120	Gmdrm	hypo	CHG	-0.8415
Gm05	27851824	27851902	Gmdrm	hypo	CHG	-0.35
Gm05	27869761	27869958	Gmdrm	hypo	CHG	-0.4406
Gm05	27871630	27871772	Gmdrm	hypo	CHG	-0.351
Gm05	27885151	27885191	Gmdrm	hypo	CHG	-0.8133
Gm05	27885296	27885385	Gmdrm	hypo	CHG	-0.52
Gm05	27894975	27895136	Gmdrm	hypo	CHG	-0.565
Gm05	27903674	27903793	Gmdrm	hypo	CHG	-0.025
Gm05	27907748	27908470	Gmdrm	hypo	CHG	-0.3433
Gm05	27948711	27948786	Gmdrm	hypo	CHG	-0.036
Gm05	27951098	27951316	Gmdrm	hypo	CHG	-0.048
Gm05	28027276	28027379	Gmdrm	hypo	CHG	-0.493

Gm05	28032146	28032240	Gmdrm	hypo	CHG	-0.125
Gm05	28046401	28046428	Gmdrm	hypo	CHG	-0.255
Gm05	28062882	28062980	Gmdrm	hypo	CHG	-0.1283
Gm05	28097933	28098115	Gmdrm	hypo	CHG	-0.1892
Gm05	28130302	28130484	Gmdrm	hypo	CHG	-0.462
Gm05	28160460	28161436	Gmdrm	hypo	CHG	-0.3052
Gm05	28167116	28167230	Gmdrm	hypo	CHG	-0.062
Gm05	28192569	28192958	Gmdrm	hypo	CHG	-0.1869
Gm05	28193074	28193332	Gmdrm	hypo	CHG	-0.28
Gm05	28304052	28304215	Gmdrm	hypo	CHG	-0.427
Gm05	28309867	28310056	Gmdrm	hypo	CHG	-0.037
Gm05	28315801	28316259	Gmdrm	hypo	CHG	-0.2078
Gm05	28331220	28331952	Gmdrm	hypo	CHG	-0.4246
Gm05	28332089	28332233	Gmdrm	hypo	CHG	-0.02
Gm05	28333968	28334144	Gmdrm	hypo	CHG	-0.5913
Gm05	28335573	28336143	Gmdrm	hypo	CHG	-0.5974
Gm05	28337987	28338224	Gmdrm	hypo	CHG	-0.3682
Gm05	28352948	28353161	Gmdrm	hypo	CHG	-0.41
Gm05	28354245	28354574	Gmdrm	hypo	CHG	-0.302
Gm05	28380622	28380772	Gmdrm	hypo	CHG	-0.2946
Gm05	28381414	28381863	Gmdrm	hypo	CHG	-0.4053
Gm05	28383567	28383625	Gmdrm	hypo	CHG	-0.074
Gm05	28389360	28389520	Gmdrm	hypo	CHG	-0.22
Gm05	28390633	28390832	Gmdrm	hypo	CHG	-0.2678
Gm05	28391032	28391264	Gmdrm	hypo	CHG	-0.5693
Gm05	28442303	28442373	Gmdrm	hypo	CHG	-0.0433
Gm05	28442498	28442660	Gmdrm	hypo	CHG	-0.275
Gm05	28445333	28445426	Gmdrm	hypo	CHG	-0.628
Gm05	28476693	28477007	Gmdrm	hypo	CHG	-0.171
Gm05	28483758	28483796	Gmdrm	hypo	CHG	-0.1266
Gm05	28558198	28558398	Gmdrm	hypo	CHG	-0.4783
Gm05	28558515	28558675	Gmdrm	hypo	CHG	-0.6484
Gm05	28586843	28587129	Gmdrm	hypo	CHG	-0.4825
Gm05	28597886	28598038	Gmdrm	hypo	CHG	-0.4177
Gm05	28610431	28610595	Gmdrm	hypo	CHG	-0.7989
Gm05	28611029	28611379	Gmdrm	hypo	CHG	-0.82
Gm05	28614034	28614132	Gmdrm	hypo	CHG	-0.05
Gm05	28615200	28615426	Gmdrm	hypo	CHG	-0.192
Gm05	28633479	28633958	Gmdrm	hypo	CHG	-0.3408
Gm05	28638644	28638671	Gmdrm	hypo	CHG	-0.122
Gm05	28639094	28639833	Gmdrm	hypo	CHG	-0.2029
Gm05	28640943	28641031	Gmdrm	hypo	CHG	-0.5014
Gm05	28653876	28654081	Gmdrm	hypo	CHG	-0.8222
Gm05	28654339	28654420	Gmdrm	hypo	CHG	-0.6573
Gm05	28667316	28667463	Gmdrm	hypo	CHG	-0.478
Gm05	28671435	28671685	Gmdrm	hypo	CHG	-0.4859

Gm05	28676940	28677125	Gmdrm	hypo	CHG	-0.2428
Gm05	28681549	28681700	Gmdrm	hypo	CHG	-0.3246
Gm05	28681805	28682001	Gmdrm	hypo	CHG	-0.5283
Gm05	28700501	28700788	Gmdrm	hypo	CHG	-0.0371
Gm05	28701006	28701101	Gmdrm	hypo	CHG	-0.3438
Gm05	28701250	28701428	Gmdrm	hypo	CHG	-0.436
Gm05	28701671	28701857	Gmdrm	hypo	CHG	-0.5761
Gm05	28708048	28708121	Gmdrm	hypo	CHG	-0.4729
Gm05	28708664	28708957	Gmdrm	hypo	CHG	-0.6659
Gm05	28721783	28721922	Gmdrm	hypo	CHG	-0.59
Gm05	28793909	28793983	Gmdrm	hypo	CHG	-0.51
Gm05	28804704	28804811	Gmdrm	hypo	CHG	-0.085
Gm05	28849403	28849489	Gmdrm	hypo	CHG	-0.0383
Gm05	28850933	28851558	Gmdrm	hypo	CHG	-0.342
Gm05	28854608	28854707	Gmdrm	hypo	CHG	-0.606
Gm05	28866514	28866822	Gmdrm	hypo	CHG	-0.3159
Gm05	28881856	28882088	Gmdrm	hypo	CHG	-0.4289
Gm05	28924003	28924300	Gmdrm	hypo	CHG	-0.1869
Gm05	28972402	28973062	Gmdrm	hypo	CHG	-0.4471
Gm05	28973165	28973276	Gmdrm	hypo	CHG	-0.15
Gm05	28975186	28975516	Gmdrm	hypo	CHG	-0.0379
Gm05	28989150	28989343	Gmdrm	hypo	CHG	-0.45
Gm05	29001469	29001984	Gmdrm	hypo	CHG	-0.2036
Gm05	29002309	29002702	Gmdrm	hypo	CHG	-0.2589
Gm05	29004763	29004817	Gmdrm	hypo	CHG	-0.4562
Gm05	29005797	29006067	Gmdrm	hypo	CHG	-0.6633
Gm05	29019346	29019461	Gmdrm	hypo	CHG	-0.0567
Gm05	29042174	29042455	Gmdrm	hypo	CHG	-0.1638
Gm05	29046266	29046472	Gmdrm	hypo	CHG	-0.0358
Gm05	29113392	29113429	Gmdrm	hypo	CHG	-0.6971
Gm05	29138832	29139095	Gmdrm	hypo	CHG	-0.6506
Gm05	29195407	29196405	Gmdrm	hypo	CHG	-0.1921
Gm05	29212456	29212738	Gmdrm	hypo	CHG	-0.0357
Gm05	29239424	29239740	Gmdrm	hypo	CHG	-0.3044
Gm05	29241889	29242096	Gmdrm	hypo	CHG	-0.054
Gm05	29242373	29242623	Gmdrm	hypo	CHG	-0.0425
Gm05	29244352	29244560	Gmdrm	hypo	CHG	-0.2727
Gm05	29260609	29260711	Gmdrm	hypo	CHG	-0.3629
Gm05	29279588	29280183	Gmdrm	hypo	CHG	-0.2857
Gm05	29280523	29280614	Gmdrm	hypo	CHG	-0.7051
Gm05	29298458	29298630	Gmdrm	hypo	CHG	-0.378
Gm05	29322127	29322462	Gmdrm	hypo	CHG	-0.0337
Gm05	29323995	29324271	Gmdrm	hypo	CHG	-0.7406
Gm05	29339411	29339632	Gmdrm	hypo	CHG	-0.535
Gm05	29374643	29374747	Gmdrm	hypo	CHG	-0.604
Gm05	29526522	29526672	Gmdrm	hypo	CHG	-0.6438

Gm05	29554486	29554496	Gmdrm	hypo	CHG	-0.078
Gm05	29589490	29590174	Gmdrm	hypo	CHG	-0.2228
Gm05	29607262	29607552	Gmdrm	hypo	CHG	-0.151
Gm05	29624284	29624484	Gmdrm	hypo	CHG	-0.39
Gm05	29632022	29632104	Gmdrm	hypo	CHG	-0.4114
Gm05	29632281	29632435	Gmdrm	hypo	CHG	-0.26
Gm05	29634767	29634847	Gmdrm	hypo	CHG	-0.5167
Gm05	29661326	29661498	Gmdrm	hypo	CHG	-0.3229
Gm05	29671542	29671598	Gmdrm	hypo	CHG	-0.31
Gm05	29689002	29689141	Gmdrm	hypo	CHG	-0.2662
Gm05	29752677	29752747	Gmdrm	hypo	CHG	-0.2637
Gm05	29771560	29772077	Gmdrm	hypo	CHG	-0.0937
Gm05	29772186	29772425	Gmdrm	hypo	CHG	-0.7806
Gm05	29780699	29780782	Gmdrm	hypo	CHG	-0.1209
Gm05	29786897	29787095	Gmdrm	hypo	CHG	-0.795
Gm05	29798825	29799050	Gmdrm	hypo	CHG	-0.05
Gm05	29813084	29813479	Gmdrm	hypo	CHG	-0.4813
Gm05	29831709	29832031	Gmdrm	hypo	CHG	-0.109
Gm05	29833964	29834090	Gmdrm	hypo	CHG	-0.066
Gm05	29865222	29865605	Gmdrm	hypo	CHG	-0.7328
Gm05	29871572	29871673	Gmdrm	hypo	CHG	-0.34
Gm05	29885920	29886236	Gmdrm	hypo	CHG	-0.3522
Gm05	29891350	29891560	Gmdrm	hypo	CHG	-0.652
Gm05	29892465	29892574	Gmdrm	hypo	CHG	-0.6216
Gm05	29892815	29892908	Gmdrm	hypo	CHG	-0.759
Gm05	29921806	29922054	Gmdrm	hypo	CHG	-0.0687
Gm05	29925194	29925573	Gmdrm	hypo	CHG	-0.5136
Gm05	29925678	29926170	Gmdrm	hypo	CHG	-0.2105
Gm05	29962419	29962443	Gmdrm	hypo	CHG	-0.115
Gm05	29963446	29963564	Gmdrm	hypo	CHG	-0.8029
Gm05	29972976	29973103	Gmdrm	hypo	CHG	-0.486
Gm05	29981232	29981251	Gmdrm	hypo	CHG	-0.2667
Gm05	29984017	29984153	Gmdrm	hypo	CHG	-0.505
Gm05	29984306	29984461	Gmdrm	hypo	CHG	-0.3967
Gm05	29988612	29988722	Gmdrm	hypo	CHG	-0.224
Gm05	29998519	29998586	Gmdrm	hypo	CHG	-0.5949
Gm05	30001229	30001269	Gmdrm	hypo	CHG	-0.6378
Gm05	30001398	30001592	Gmdrm	hypo	CHG	-0.5208
Gm05	30002869	30003816	Gmdrm	hypo	CHG	-0.318
Gm05	30006190	30006827	Gmdrm	hypo	CHG	-0.232
Gm05	30037126	30037246	Gmdrm	hypo	CHG	-0.26
Gm05	30045184	30045286	Gmdrm	hypo	CHG	-0.858
Gm05	30059461	30059693	Gmdrm	hypo	CHG	-0.577
Gm05	30062303	30062349	Gmdrm	hypo	CHG	-0.6433
Gm05	30079699	30079923	Gmdrm	hypo	CHG	-0.4212
Gm05	30103547	30103640	Gmdrm	hypo	CHG	-0.5808

Gm05	30103989	30104085	Gmdrm	hypo	CHG	-0.33
Gm05	30108261	30108631	Gmdrm	hypo	CHG	-0.1936
Gm05	30110388	30110988	Gmdrm	hypo	CHG	-0.6903
Gm05	30114121	30114232	Gmdrm	hypo	CHG	-0.307
Gm05	30114351	30114478	Gmdrm	hypo	CHG	-0.3043
Gm05	30117730	30117801	Gmdrm	hypo	CHG	-0.3184
Gm05	30121987	30122058	Gmdrm	hypo	CHG	-0.3534
Gm05	30135781	30135990	Gmdrm	hypo	CHG	-0.46
Gm05	30139083	30139139	Gmdrm	hypo	CHG	-0.1666
Gm05	30140841	30141043	Gmdrm	hypo	CHG	-0.4009
Gm05	30141175	30141858	Gmdrm	hypo	CHG	-0.7903
Gm05	30144192	30144609	Gmdrm	hypo	CHG	-0.1939
Gm05	30190225	30190294	Gmdrm	hypo	CHG	-0.245
Gm05	30190585	30190699	Gmdrm	hypo	CHG	-0.064
Gm05	30193129	30194120	Gmdrm	hypo	CHG	-0.1893
Gm05	30210869	30210983	Gmdrm	hypo	CHG	-0.042
Gm05	30257814	30258271	Gmdrm	hypo	CHG	-0.2932
Gm05	30258399	30258669	Gmdrm	hypo	CHG	-0.2543
Gm05	30281348	30281518	Gmdrm	hypo	CHG	-0.3114
Gm05	30281804	30282120	Gmdrm	hypo	CHG	-0.4906
Gm05	30286002	30286141	Gmdrm	hypo	CHG	-0.1175
Gm05	30288961	30289210	Gmdrm	hypo	CHG	-0.06
Gm05	30328911	30329159	Gmdrm	hypo	CHG	-0.3883
Gm05	30329598	30330093	Gmdrm	hypo	CHG	-0.4084
Gm05	30336458	30337082	Gmdrm	hypo	CHG	-0.2807
Gm05	30337952	30338193	Gmdrm	hypo	CHG	-0.372
Gm05	30339051	30339500	Gmdrm	hypo	CHG	-0.2304
Gm05	30340471	30340831	Gmdrm	hypo	CHG	-0.0625
Gm05	30347365	30347963	Gmdrm	hypo	CHG	-0.3376
Gm05	30348876	30349753	Gmdrm	hypo	CHG	-0.4868
Gm05	30377325	30377712	Gmdrm	hypo	CHG	-0.4979
Gm05	30378850	30378968	Gmdrm	hypo	CHG	-0.24
Gm05	30382363	30382459	Gmdrm	hypo	CHG	-0.6528
Gm05	30387083	30387271	Gmdrm	hypo	CHG	-0.072
Gm05	30389717	30389841	Gmdrm	hypo	CHG	-0.4066
Gm05	30390726	30390829	Gmdrm	hypo	CHG	-0.5166
Gm05	30437984	30438051	Gmdrm	hypo	CHG	-0.2043
Gm05	30483795	30483881	Gmdrm	hypo	CHG	-0.1633
Gm05	30502281	30502690	Gmdrm	hypo	CHG	-0.3941
Gm05	30503595	30503863	Gmdrm	hypo	CHG	-0.2179
Gm05	30512200	30512599	Gmdrm	hypo	CHG	-0.785
Gm05	30512725	30512811	Gmdrm	hypo	CHG	-0.846
Gm05	30514855	30515413	Gmdrm	hypo	CHG	-0.402
Gm05	30547239	30547447	Gmdrm	hypo	CHG	-0.5526
Gm05	30552256	30552395	Gmdrm	hypo	CHG	-0.8071
Gm05	30604856	30605135	Gmdrm	hypo	CHG	-0.3595

Gm05	30612878	30613121	Gmdrm	hypo	CHG	-0.2387
Gm05	30614375	30614817	Gmdrm	hypo	CHG	-0.3715
Gm05	30627729	30627960	Gmdrm	hypo	CHG	-0.6234
Gm05	30628083	30628338	Gmdrm	hypo	CHG	-0.193
Gm05	30637921	30638011	Gmdrm	hypo	CHG	-0.0457
Gm05	30638417	30638707	Gmdrm	hypo	CHG	-0.1883
Gm05	30646958	30647089	Gmdrm	hypo	CHG	-0.3158
Gm05	30658843	30658879	Gmdrm	hypo	CHG	-0.812
Gm05	30701769	30701978	Gmdrm	hypo	CHG	-0.3267
Gm05	30725530	30725736	Gmdrm	hypo	CHG	-0.0883
Gm05	30727574	30727613	Gmdrm	hypo	CHG	-0.3329
Gm05	30727867	30728031	Gmdrm	hypo	CHG	-0.385
Gm05	30728294	30728489	Gmdrm	hypo	CHG	-0.155
Gm05	30748929	30748973	Gmdrm	hypo	CHG	-0.48
Gm05	30785801	30786080	Gmdrm	hypo	CHG	-0.548
Gm05	30947838	30948685	Gmdrm	hypo	CHG	-0.1657
Gm05	30969214	30970208	Gmdrm	hypo	CHG	-0.159
Gm05	30978524	30978925	Gmdrm	hypo	CHG	-0.0465
Gm05	30989490	30989510	Gmdrm	hypo	CHG	-0.478
Gm05	31004544	31004639	Gmdrm	hypo	CHG	-0.4883
Gm05	31006327	31006380	Gmdrm	hypo	CHG	-0.3
Gm05	31006981	31007236	Gmdrm	hypo	CHG	-0.5575
Gm05	31007853	31008004	Gmdrm	hypo	CHG	-0.8446
Gm05	31008600	31008691	Gmdrm	hypo	CHG	-0.075
Gm05	31008899	31009315	Gmdrm	hypo	CHG	-0.5413
Gm05	31009498	31010368	Gmdrm	hypo	CHG	-0.1662
Gm05	31019533	31019679	Gmdrm	hypo	CHG	-0.1245
Gm05	31029368	31029481	Gmdrm	hypo	CHG	-0.4938
Gm05	31029587	31029724	Gmdrm	hypo	CHG	-0.3628
Gm05	31033343	31033724	Gmdrm	hypo	CHG	-0.3914
Gm05	31033843	31034160	Gmdrm	hypo	CHG	-0.4711
Gm05	31034539	31035225	Gmdrm	hypo	CHG	-0.512
Gm05	31037247	31037362	Gmdrm	hypo	CHG	-0.3716
Gm05	31037640	31037895	Gmdrm	hypo	CHG	-0.66
Gm05	31039612	31039738	Gmdrm	hypo	CHG	-0.64
Gm05	31039840	31039954	Gmdrm	hypo	CHG	-0.6117
Gm05	31043576	31044108	Gmdrm	hypo	CHG	-0.2736
Gm05	31049588	31050158	Gmdrm	hypo	CHG	-0.2378
Gm05	31057493	31057611	Gmdrm	hypo	CHG	-0.3689
Gm05	31057718	31057744	Gmdrm	hypo	CHG	-0.4915
Gm05	31058461	31059449	Gmdrm	hypo	CHG	-0.5313
Gm05	31062588	31063075	Gmdrm	hypo	CHG	-0.2549
Gm05	31063579	31064132	Gmdrm	hypo	CHG	-0.2828
Gm05	31066593	31067130	Gmdrm	hypo	CHG	-0.12
Gm05	31078489	31078759	Gmdrm	hypo	CHG	-0.0488
Gm05	31091018	31091338	Gmdrm	hypo	CHG	-0.3125

Gm05	31173865	31173918	Gmdrm	hypo	CHG	-0.0433
Gm05	31177909	31177963	Gmdrm	hypo	CHG	-0.042
Gm05	31178958	31179309	Gmdrm	hypo	CHG	-0.0186
Gm05	31187776	31187987	Gmdrm	hypo	CHG	-0.0638
Gm05	31191227	31191826	Gmdrm	hypo	CHG	-0.2626
Gm05	31210420	31210500	Gmdrm	hypo	CHG	-0.9483
Gm05	31210824	31210987	Gmdrm	hypo	CHG	-0.84
Gm05	31211209	31211379	Gmdrm	hypo	CHG	-0.7333
Gm05	31211492	31211759	Gmdrm	hypo	CHG	-0.6516
Gm05	31211968	31212043	Gmdrm	hypo	CHG	-0.1233
Gm05	31212162	31212629	Gmdrm	hypo	CHG	-0.5485
Gm05	31212812	31212960	Gmdrm	hypo	CHG	-0.24
Gm05	31224652	31225129	Gmdrm	hypo	CHG	-0.5837
Gm05	31229243	31229496	Gmdrm	hypo	CHG	-0.4316
Gm05	31229673	31229951	Gmdrm	hypo	CHG	-0.8023
Gm05	31232939	31233010	Gmdrm	hypo	CHG	-0.9133
Gm05	31238721	31239281	Gmdrm	hypo	CHG	-0.7222
Gm05	31246029	31246271	Gmdrm	hypo	CHG	-0.5935
Gm05	31246384	31246507	Gmdrm	hypo	CHG	-0.8025
Gm05	31246783	31246951	Gmdrm	hypo	CHG	-0.6856
Gm05	31263562	31263619	Gmdrm	hypo	CHG	-0.928
Gm05	31266856	31267821	Gmdrm	hypo	CHG	-0.275
Gm05	31267908	31268130	Gmdrm	hypo	CHG	-0.2246
Gm05	31284086	31284136	Gmdrm	hypo	CHG	-0.3016
Gm05	31316696	31316909	Gmdrm	hypo	CHG	-0.3223
Gm05	31338090	31338183	Gmdrm	hypo	CHG	-0.7829
Gm05	31343412	31343537	Gmdrm	hypo	CHG	-0.6067
Gm05	31361459	31362060	Gmdrm	hypo	CHG	-0.4296
Gm05	31368084	31368242	Gmdrm	hypo	CHG	-0.05
Gm05	31390196	31390348	Gmdrm	hypo	CHG	-0.0672
Gm05	31396998	31397188	Gmdrm	hypo	CHG	-0.5627
Gm05	31398125	31398256	Gmdrm	hypo	CHG	-0.9637
Gm05	31400964	31401207	Gmdrm	hypo	CHG	-0.04
Gm05	31413765	31413925	Gmdrm	hypo	CHG	-0.5467
Gm05	31463384	31464351	Gmdrm	hypo	CHG	-0.2016
Gm05	31499616	31499754	Gmdrm	hypo	CHG	-0.5572
Gm05	31588209	31588387	Gmdrm	hypo	CHG	-0.618
Gm05	31603564	31604048	Gmdrm	hypo	CHG	-0.4332
Gm05	31609650	31609724	Gmdrm	hypo	CHG	-0.7386
Gm05	31609940	31610138	Gmdrm	hypo	CHG	-0.7312
Gm05	31610449	31610529	Gmdrm	hypo	CHG	-0.6867
Gm05	31624218	31624473	Gmdrm	hypo	CHG	-0.06
Gm05	31633278	31633581	Gmdrm	hypo	CHG	-0.4366
Gm05	31637985	31638194	Gmdrm	hypo	CHG	-0.2067
Gm05	31638653	31638779	Gmdrm	hypo	CHG	-0.476
Gm05	31648898	31649151	Gmdrm	hypo	CHG	-0.1466

Gm05	31653060	31653585	Gmdrm	hypo	CHG	-0.2137
Gm05	31658859	31658962	Gmdrm	hypo	CHG	-0.072
Gm05	31659263	31659400	Gmdrm	hypo	CHG	-0.6667
Gm05	31660424	31660757	Gmdrm	hypo	CHG	-0.4989
Gm05	31663649	31663716	Gmdrm	hypo	CHG	-0.8738
Gm05	31669285	31669526	Gmdrm	hypo	CHG	-0.0428
Gm05	31671555	31671783	Gmdrm	hypo	CHG	-0.4916
Gm05	31685811	31686090	Gmdrm	hypo	CHG	-0.1609
Gm05	31686199	31686397	Gmdrm	hypo	CHG	-0.3963
Gm05	31686503	31687487	Gmdrm	hypo	CHG	-0.1255
Gm05	31694311	31694396	Gmdrm	hypo	CHG	-0.658
Gm05	31721304	31721456	Gmdrm	hypo	CHG	-0.3191
Gm05	31741545	31741718	Gmdrm	hypo	CHG	-0.3626
Gm05	31744447	31744926	Gmdrm	hypo	CHG	-0.7941
Gm05	31750317	31750457	Gmdrm	hypo	CHG	-0.33
Gm05	31782654	31782877	Gmdrm	hypo	CHG	-0.043
Gm05	31793361	31793559	Gmdrm	hypo	CHG	-0.341
Gm05	31802896	31803085	Gmdrm	hypo	CHG	-0.6867
Gm05	31837915	31838580	Gmdrm	hypo	CHG	-0.275
Gm05	31852303	31853043	Gmdrm	hypo	CHG	-0.2476
Gm05	31860730	31860872	Gmdrm	hypo	CHG	-0.452
Gm05	31861277	31861337	Gmdrm	hypo	CHG	-0.205
Gm05	31862611	31862872	Gmdrm	hypo	CHG	-0.3478
Gm05	31874550	31874720	Gmdrm	hypo	CHG	-0.3442
Gm05	31875405	31875483	Gmdrm	hypo	CHG	-0.674
Gm05	31886155	31886824	Gmdrm	hypo	CHG	-0.4354
Gm05	31900652	31900792	Gmdrm	hypo	CHG	-0.2566
Gm05	31902120	31902179	Gmdrm	hypo	CHG	-0.476
Gm05	31927395	31927463	Gmdrm	hypo	CHG	-0.5743
Gm05	31927835	31928153	Gmdrm	hypo	CHG	-0.5182
Gm05	31930044	31930534	Gmdrm	hypo	CHG	-0.2047
Gm05	31936014	31936040	Gmdrm	hypo	CHG	-0.7516
Gm05	31953155	31953448	Gmdrm	hypo	CHG	-0.524
Gm05	31956561	31956635	Gmdrm	hypo	CHG	-0.33
Gm05	31956846	31956990	Gmdrm	hypo	CHG	-0.58
Gm05	31959637	31959813	Gmdrm	hypo	CHG	-0.054
Gm05	31961837	31961915	Gmdrm	hypo	CHG	-0.026
Gm05	31968682	31969106	Gmdrm	hypo	CHG	-0.37
Gm05	31993862	31993930	Gmdrm	hypo	CHG	-0.6986
Gm05	32008871	32008977	Gmdrm	hypo	CHG	-0.0313
Gm05	32016721	32017138	Gmdrm	hypo	CHG	-0.2992
Gm05	32037153	32037256	Gmdrm	hypo	CHG	-0.042
Gm05	32039654	32039842	Gmdrm	hypo	CHG	-0.4156
Gm05	32057456	32057763	Gmdrm	hypo	CHG	-0.4219
Gm05	32076005	32076573	Gmdrm	hypo	CHG	-0.7797
Gm05	32081850	32082022	Gmdrm	hypo	CHG	-0.044

Gm05	32100092	32100281	Gmdrm	hypo	CHG	-0.2886
Gm05	32105113	32105563	Gmdrm	hypo	CHG	-0.355
Gm05	32110605	32110766	Gmdrm	hypo	CHG	-0.04
Gm05	32135513	32135598	Gmdrm	hypo	CHG	-0.5783
Gm05	32141576	32141641	Gmdrm	hypo	CHG	-0.3916
Gm05	32144666	32144868	Gmdrm	hypo	CHG	-0.4844
Gm05	32155361	32155655	Gmdrm	hypo	CHG	-0.5424
Gm05	32161860	32162413	Gmdrm	hypo	CHG	-0.3163
Gm05	32183953	32184115	Gmdrm	hypo	CHG	-0.3166
Gm05	32184363	32184688	Gmdrm	hypo	CHG	-0.652
Gm05	32203453	32203767	Gmdrm	hypo	CHG	-0.0286
Gm05	32206803	32206868	Gmdrm	hypo	CHG	-0.848
Gm05	32207333	32207508	Gmdrm	hypo	CHG	-0.8744
Gm05	32213613	32214086	Gmdrm	hypo	CHG	-0.57
Gm05	32228958	32229068	Gmdrm	hypo	CHG	-0.3567
Gm05	32242026	32242330	Gmdrm	hypo	CHG	-0.0486
Gm05	32265038	32265185	Gmdrm	hypo	CHG	-0.318
Gm05	32272395	32272578	Gmdrm	hypo	CHG	-0.133
Gm05	32284032	32284192	Gmdrm	hypo	CHG	-0.05
Gm05	32295582	32295773	Gmdrm	hypo	CHG	-0.4999
Gm05	32316750	32316952	Gmdrm	hypo	CHG	-0.0664
Gm05	32320198	32320454	Gmdrm	hypo	CHG	-0.0233
Gm05	32339343	32339462	Gmdrm	hypo	CHG	-0.626
Gm05	32344635	32344916	Gmdrm	hypo	CHG	-0.1609
Gm05	32346488	32346561	Gmdrm	hypo	CHG	-0.6537
Gm05	32351382	32351885	Gmdrm	hypo	CHG	-0.2923
Gm05	32372665	32372879	Gmdrm	hypo	CHG	-0.3623
Gm05	32380976	32381016	Gmdrm	hypo	CHG	-0.9183
Gm05	32413672	32414183	Gmdrm	hypo	CHG	-0.1377
Gm05	32414557	32414823	Gmdrm	hypo	CHG	-0.3642
Gm05	32419591	32419754	Gmdrm	hypo	CHG	-0.4767
Gm05	32419980	32420318	Gmdrm	hypo	CHG	-0.4058
Gm05	32422471	32422670	Gmdrm	hypo	CHG	-0.2855
Gm05	32483681	32483954	Gmdrm	hypo	CHG	-0.3392
Gm05	32499103	32499455	Gmdrm	hypo	CHG	-0.043
Gm05	32539970	32540242	Gmdrm	hypo	CHG	-0.8846
Gm05	32540773	32541019	Gmdrm	hypo	CHG	-0.0372
Gm05	32551731	32552407	Gmdrm	hypo	CHG	-0.0336
Gm05	32563333	32563605	Gmdrm	hypo	CHG	-0.7453
Gm05	32606294	32606500	Gmdrm	hypo	CHG	-0.0414
Gm05	32622236	32622505	Gmdrm	hypo	CHG	-0.0229
Gm05	32638699	32638877	Gmdrm	hypo	CHG	-0.042
Gm05	32643087	32643288	Gmdrm	hypo	CHG	-0.58
Gm05	32643878	32644111	Gmdrm	hypo	CHG	-0.6269
Gm05	32649965	32650209	Gmdrm	hypo	CHG	-0.035
Gm05	32668482	32668592	Gmdrm	hypo	CHG	-0.138

Gm05	32690611	32690711	Gmdrm	hypo	CHG	-0.0817
Gm05	32690926	32691100	Gmdrm	hypo	CHG	-0.7817
Gm05	32739259	32739385	Gmdrm	hypo	CHG	-0.4463
Gm05	32748691	32748743	Gmdrm	hypo	CHG	-0.1033
Gm05	32760840	32760998	Gmdrm	hypo	CHG	-0.37
Gm05	32764679	32765040	Gmdrm	hypo	CHG	-0.775
Gm05	32765680	32766016	Gmdrm	hypo	CHG	-0.8525
Gm05	32769093	32769183	Gmdrm	hypo	CHG	-0.8633
Gm05	32787378	32787739	Gmdrm	hypo	CHG	-0.2675
Gm05	32800271	32800632	Gmdrm	hypo	CHG	-0.7358
Gm05	32801000	32801186	Gmdrm	hypo	CHG	-0.3587
Gm05	32822652	32822952	Gmdrm	hypo	CHG	-0.0567
Gm05	32834167	32834280	Gmdrm	hypo	CHG	-0.6914
Gm05	32840033	32840165	Gmdrm	hypo	CHG	-0.036
Gm05	32847400	32847444	Gmdrm	hypo	CHG	-0.63
Gm05	32848795	32848933	Gmdrm	hypo	CHG	-0.47
Gm05	32852966	32853278	Gmdrm	hypo	CHG	-0.2064
Gm05	32854695	32854982	Gmdrm	hypo	CHG	-0.0984
Gm05	32857759	32857833	Gmdrm	hypo	CHG	-0.87
Gm05	32858260	32858385	Gmdrm	hypo	CHG	-0.65
Gm05	32858887	32858933	Gmdrm	hypo	CHG	-0.642
Gm05	32860744	32860952	Gmdrm	hypo	CHG	-0.5667
Gm05	32863367	32863518	Gmdrm	hypo	CHG	-0.8055
Gm05	32864013	32864091	Gmdrm	hypo	CHG	-0.91
Gm05	32884472	32884648	Gmdrm	hypo	CHG	-0.7117
Gm05	32885130	32885368	Gmdrm	hypo	CHG	-0.82
Gm05	32904099	32904397	Gmdrm	hypo	CHG	-0.0307
Gm05	32924976	32925117	Gmdrm	hypo	CHG	-0.77
Gm05	32925299	32925443	Gmdrm	hypo	CHG	-0.767
Gm05	32925552	32925605	Gmdrm	hypo	CHG	-0.5043
Gm05	32951656	32951702	Gmdrm	hypo	CHG	-0.9617
Gm05	32951843	32951947	Gmdrm	hypo	CHG	-0.8634
Gm05	32953854	32953910	Gmdrm	hypo	CHG	-0.78
Gm05	32958522	32958651	Gmdrm	hypo	CHG	-0.625
Gm05	32960147	32960225	Gmdrm	hypo	CHG	-0.303
Gm05	32968764	32968833	Gmdrm	hypo	CHG	-0.068
Gm05	32975123	32975258	Gmdrm	hypo	CHG	-0.38
Gm05	32981933	32981954	Gmdrm	hypo	CHG	-0.624
Gm05	32982362	32982413	Gmdrm	hypo	CHG	-0.505
Gm05	32982735	32983008	Gmdrm	hypo	CHG	-0.7236
Gm05	32985784	32985947	Gmdrm	hypo	CHG	-0.8071
Gm05	32986049	32986099	Gmdrm	hypo	CHG	-0.674
Gm05	32989309	32989376	Gmdrm	hypo	CHG	-0.038
Gm05	32996908	32997053	Gmdrm	hypo	CHG	-0.0636
Gm05	33012270	33012412	Gmdrm	hypo	CHG	-0.5833
Gm05	33042659	33043066	Gmdrm	hypo	CHG	-0.0522

Gm05	33057759	33057869	Gmdrm	hypo	CHG	-0.4915
Gm05	33076959	33076995	Gmdrm	hypo	CHG	-0.5833
Gm05	33104867	33104933	Gmdrm	hypo	CHG	-0.036
Gm05	33138288	33138329	Gmdrm	hypo	CHG	-0.1667
Gm05	33138452	33138577	Gmdrm	hypo	CHG	-0.3067
Gm05	33139208	33139346	Gmdrm	hypo	CHG	-0.8444
Gm05	33150926	33151024	Gmdrm	hypo	CHG	-0.264
Gm05	33185008	33185081	Gmdrm	hypo	CHG	-0.6225
Gm05	33243076	33243177	Gmdrm	hypo	CHG	-0.7
Gm05	33245049	33245129	Gmdrm	hypo	CHG	-0.4888
Gm05	33245306	33245742	Gmdrm	hypo	CHG	-0.7824
Gm05	33253838	33253903	Gmdrm	hypo	CHG	-0.677
Gm05	33269926	33270020	Gmdrm	hypo	CHG	-0.1827
Gm05	33273593	33273889	Gmdrm	hypo	CHG	-0.0266
Gm05	33277228	33277427	Gmdrm	hypo	CHG	-0.89
Gm05	33278086	33278131	Gmdrm	hypo	CHG	-0.714
Gm05	33278696	33278981	Gmdrm	hypo	CHG	-0.7705
Gm05	33290961	33291148	Gmdrm	hypo	CHG	-0.8365
Gm05	33293533	33293744	Gmdrm	hypo	CHG	-0.06
Gm05	33299384	33299685	Gmdrm	hypo	CHG	-0.4463
Gm05	33300357	33300598	Gmdrm	hypo	CHG	-0.6604
Gm05	33307211	33307663	Gmdrm	hypo	CHG	-0.3735
Gm05	33332339	33332707	Gmdrm	hypo	CHG	-0.04
Gm05	33335200	33335342	Gmdrm	hypo	CHG	-0.112
Gm05	33340731	33341385	Gmdrm	hypo	CHG	-0.3269
Gm05	33346089	33346232	Gmdrm	hypo	CHG	-0.774
Gm05	33346881	33346932	Gmdrm	hypo	CHG	-0.455
Gm05	33347064	33347440	Gmdrm	hypo	CHG	-0.6494
Gm05	33359447	33359657	Gmdrm	hypo	CHG	-0.656
Gm05	33378935	33379093	Gmdrm	hypo	CHG	-0.65
Gm05	33382734	33382874	Gmdrm	hypo	CHG	-0.6539
Gm05	33391262	33391325	Gmdrm	hypo	CHG	-0.456
Gm05	33409455	33409474	Gmdrm	hypo	CHG	-0.642
Gm05	33409741	33409915	Gmdrm	hypo	CHG	-0.602
Gm05	33484592	33484718	Gmdrm	hypo	CHG	-0.7159
Gm05	33484884	33485245	Gmdrm	hypo	CHG	-0.8049
Gm05	33493765	33493834	Gmdrm	hypo	CHG	-0.264
Gm05	33494417	33494546	Gmdrm	hypo	CHG	-0.3888
Gm05	33500189	33500265	Gmdrm	hypo	CHG	-0.24
Gm05	33509834	33509943	Gmdrm	hypo	CHG	-0.046
Gm05	33512472	33512597	Gmdrm	hypo	CHG	-0.57
Gm05	33518397	33519066	Gmdrm	hypo	CHG	-0.2992
Gm05	33519310	33519500	Gmdrm	hypo	CHG	-0.2354
Gm05	33528027	33528178	Gmdrm	hypo	CHG	-0.042
Gm05	33529577	33529674	Gmdrm	hypo	CHG	-0.3889
Gm05	33530042	33530184	Gmdrm	hypo	CHG	-0.7573

Gm05	33532244	33532312	Gmdrm	hypo	CHG	-0.04
Gm05	33537285	33537323	Gmdrm	hypo	CHG	-0.1267
Gm05	33563665	33563975	Gmdrm	hypo	CHG	-0.0382
Gm05	33564425	33564928	Gmdrm	hypo	CHG	-0.2725
Gm05	33565233	33565589	Gmdrm	hypo	CHG	-0.3344
Gm05	33565691	33565716	Gmdrm	hypo	CHG	-0.35
Gm05	33566063	33566110	Gmdrm	hypo	CHG	-0.1009
Gm05	33566212	33566459	Gmdrm	hypo	CHG	-0.0909
Gm05	33566576	33566841	Gmdrm	hypo	CHG	-0.0382
Gm05	33567464	33568171	Gmdrm	hypo	CHG	-0.104
Gm05	33579423	33579534	Gmdrm	hypo	CHG	-0.036
Gm05	33581437	33581559	Gmdrm	hypo	CHG	-0.4425
Gm05	33582982	33583051	Gmdrm	hypo	CHG	-0.8607
Gm05	33597029	33597558	Gmdrm	hypo	CHG	-0.517
Gm05	33622734	33622880	Gmdrm	hypo	CHG	-0.586
Gm05	33636603	33636832	Gmdrm	hypo	CHG	-0.7985
Gm05	33637006	33637064	Gmdrm	hypo	CHG	-0.7983
Gm05	33644477	33644601	Gmdrm	hypo	CHG	-0.4662
Gm05	33652576	33652710	Gmdrm	hypo	CHG	-0.235
Gm05	33652818	33653032	Gmdrm	hypo	CHG	-0.625
Gm05	33660765	33660962	Gmdrm	hypo	CHG	-0.4653
Gm05	33667013	33667357	Gmdrm	hypo	CHG	-0.8437
Gm05	33667466	33667584	Gmdrm	hypo	CHG	-0.78
Gm05	33667714	33667751	Gmdrm	hypo	CHG	-0.08
Gm05	33669853	33670303	Gmdrm	hypo	CHG	-0.6695
Gm05	33678246	33678417	Gmdrm	hypo	CHG	-0.5008
Gm05	33679938	33680231	Gmdrm	hypo	CHG	-0.574
Gm05	33714486	33714806	Gmdrm	hypo	CHG	-0.0355
Gm05	33726038	33726293	Gmdrm	hypo	CHG	-0.2992
Gm05	33738694	33738766	Gmdrm	hypo	CHG	-0.3614
Gm05	33744558	33744646	Gmdrm	hypo	CHG	-0.8986
Gm05	33750376	33750614	Gmdrm	hypo	CHG	-0.2525
Gm05	33751875	33751950	Gmdrm	hypo	CHG	-0.34
Gm05	33752169	33752220	Gmdrm	hypo	CHG	-0.3784
Gm05	33752473	33752968	Gmdrm	hypo	CHG	-0.36
Gm05	33753178	33753327	Gmdrm	hypo	CHG	-0.076
Gm05	33769208	33769305	Gmdrm	hypo	CHG	-0.2456
Gm05	33769431	33769548	Gmdrm	hypo	CHG	-0.496
Gm05	33769786	33770169	Gmdrm	hypo	CHG	-0.7817
Gm05	33770910	33771443	Gmdrm	hypo	CHG	-0.4926
Gm05	33800833	33801083	Gmdrm	hypo	CHG	-0.0483
Gm05	33832066	33832241	Gmdrm	hypo	CHG	-0.5713
Gm05	33832402	33832491	Gmdrm	hypo	CHG	-0.7867
Gm05	33870995	33871520	Gmdrm	hypo	CHG	-0.1328
Gm05	33875851	33876057	Gmdrm	hypo	CHG	-0.2225
Gm05	33876289	33876433	Gmdrm	hypo	CHG	-0.5578

Gm05	33887004	33887348	Gmdrm	hypo	CHG	-0.89
Gm05	33895592	33895804	Gmdrm	hypo	CHG	-0.2967
Gm05	33895979	33896220	Gmdrm	hypo	CHG	-0.3541
Gm05	33910895	33911503	Gmdrm	hypo	CHG	-0.0347
Gm05	33913336	33913435	Gmdrm	hypo	CHG	-0.9456
Gm05	33925149	33925280	Gmdrm	hypo	CHG	-0.9317
Gm05	33941811	33941981	Gmdrm	hypo	CHG	-0.3425
Gm05	33942156	33942569	Gmdrm	hypo	CHG	-0.3516
Gm05	33947925	33948349	Gmdrm	hypo	CHG	-0.8421
Gm05	33949292	33949606	Gmdrm	hypo	CHG	-0.433
Gm05	33950397	33950506	Gmdrm	hypo	CHG	-0.66
Gm05	33951306	33951519	Gmdrm	hypo	CHG	-0.7567
Gm05	33951670	33951846	Gmdrm	hypo	CHG	-0.7716
Gm05	33966986	33967379	Gmdrm	hypo	CHG	-0.0711
Gm05	33970807	33971026	Gmdrm	hypo	CHG	-0.553
Gm05	33971488	33971826	Gmdrm	hypo	CHG	-0.1341
Gm05	33981902	33982055	Gmdrm	hypo	CHG	-0.8184
Gm05	33982782	33982817	Gmdrm	hypo	CHG	-0.562
Gm05	33986506	33986981	Gmdrm	hypo	CHG	-0.0284
Gm05	34000889	34001106	Gmdrm	hypo	CHG	-0.7494
Gm05	34047939	34048070	Gmdrm	hypo	CHG	-0.0985
Gm05	34051945	34051967	Gmdrm	hypo	CHG	-0.11
Gm05	34054958	34055425	Gmdrm	hypo	CHG	-0.1484
Gm05	34068112	34068211	Gmdrm	hypo	CHG	-0.4
Gm05	34090550	34090738	Gmdrm	hypo	CHG	-0.6256
Gm05	34090842	34091014	Gmdrm	hypo	CHG	-0.4878
Gm05	34091228	34091551	Gmdrm	hypo	CHG	-0.4923
Gm05	34091715	34091874	Gmdrm	hypo	CHG	-0.3428
Gm05	34107763	34107910	Gmdrm	hypo	CHG	-0.046
Gm05	34109074	34109205	Gmdrm	hypo	CHG	-0.2666
Gm05	34113379	34113737	Gmdrm	hypo	CHG	-0.5136
Gm05	34120426	34120707	Gmdrm	hypo	CHG	-0.6282
Gm05	34120876	34121071	Gmdrm	hypo	CHG	-0.4651
Gm05	34121313	34121363	Gmdrm	hypo	CHG	-0.835
Gm05	34122870	34122969	Gmdrm	hypo	CHG	-0.7571
Gm05	34132370	34132563	Gmdrm	hypo	CHG	-0.7433
Gm05	34132704	34132846	Gmdrm	hypo	CHG	-0.6312
Gm05	34140607	34140726	Gmdrm	hypo	CHG	-0.044
Gm05	34146207	34146339	Gmdrm	hypo	CHG	-0.3863
Gm05	34149688	34149996	Gmdrm	hypo	CHG	-0.8
Gm05	34200327	34200395	Gmdrm	hypo	CHG	-0.3583
Gm05	34222997	34223145	Gmdrm	hypo	CHG	-0.4767
Gm05	34225226	34225633	Gmdrm	hypo	CHG	-0.1661
Gm05	34225948	34226544	Gmdrm	hypo	CHG	-0.402
Gm05	34238226	34238313	Gmdrm	hypo	CHG	-0.71
Gm05	34238857	34238939	Gmdrm	hypo	CHG	-0.7757

Gm05	34239730	34239859	Gmdrm	hypo	CHG	-0.376
Gm05	34265711	34266139	Gmdrm	hypo	CHG	-0.8439
Gm05	34266301	34266448	Gmdrm	hypo	CHG	-0.4757
Gm05	34276053	34276215	Gmdrm	hypo	CHG	-0.055
Gm05	34287800	34287878	Gmdrm	hypo	CHG	-0.0612
Gm05	34290814	34291146	Gmdrm	hypo	CHG	-0.435
Gm05	34292885	34293029	Gmdrm	hypo	CHG	-0.06
Gm05	34300678	34300908	Gmdrm	hypo	CHG	-0.0549
Gm05	34301770	34301879	Gmdrm	hypo	CHG	-0.136
Gm05	34305158	34305236	Gmdrm	hypo	CHG	-0.058
Gm05	34327515	34327702	Gmdrm	hypo	CHG	-0.458
Gm05	34329919	34330151	Gmdrm	hypo	CHG	-0.5514
Gm05	34330337	34330467	Gmdrm	hypo	CHG	-0.7245
Gm05	34333457	34333869	Gmdrm	hypo	CHG	-0.3088
Gm05	34344832	34345161	Gmdrm	hypo	CHG	-0.68
Gm05	34345434	34345590	Gmdrm	hypo	CHG	-0.7114
Gm05	34356679	34356809	Gmdrm	hypo	CHG	-0.6289
Gm05	34357453	34358099	Gmdrm	hypo	CHG	-0.4925
Gm05	34373959	34374078	Gmdrm	hypo	CHG	-0.1412
Gm05	34387935	34388039	Gmdrm	hypo	CHG	-0.154
Gm05	34424104	34424191	Gmdrm	hypo	CHG	-0.046
Gm05	34424303	34424355	Gmdrm	hypo	CHG	-0.24
Gm05	34429898	34430095	Gmdrm	hypo	CHG	-0.0538
Gm05	34436405	34436555	Gmdrm	hypo	CHG	-0.0543
Gm05	34497139	34497227	Gmdrm	hypo	CHG	-0.2872
Gm05	34497715	34498363	Gmdrm	hypo	CHG	-0.8019
Gm05	34500856	34501254	Gmdrm	hypo	CHG	-0.2
Gm05	34533473	34533581	Gmdrm	hypo	CHG	-0.623
Gm05	34533771	34533929	Gmdrm	hypo	CHG	-0.571
Gm05	34536107	34536182	Gmdrm	hypo	CHG	-0.075
Gm05	34544925	34545195	Gmdrm	hypo	CHG	-0.367
Gm05	34567092	34567646	Gmdrm	hypo	CHG	-0.1467
Gm05	34585846	34585930	Gmdrm	hypo	CHG	-0.0256
Gm05	34592794	34592841	Gmdrm	hypo	CHG	-0.8614
Gm05	34594981	34595062	Gmdrm	hypo	CHG	-0.825
Gm05	34595207	34595834	Gmdrm	hypo	CHG	-0.2637
Gm05	34596443	34596631	Gmdrm	hypo	CHG	-0.4566
Gm05	34596743	34596976	Gmdrm	hypo	CHG	-0.347
Gm05	34598389	34598587	Gmdrm	hypo	CHG	-0.7791
Gm05	34599832	34599986	Gmdrm	hypo	CHG	-0.676
Gm05	34614936	34615065	Gmdrm	hypo	CHG	-0.048
Gm05	34624482	34624630	Gmdrm	hypo	CHG	-0.4784
Gm05	34638925	34639046	Gmdrm	hypo	CHG	-0.0617
Gm05	34641084	34641355	Gmdrm	hypo	CHG	-0.58
Gm05	34641481	34641605	Gmdrm	hypo	CHG	-0.726
Gm05	34642407	34642966	Gmdrm	hypo	CHG	-0.434

Gm05	34646439	34646914	Gmdrm	hypo	CHG	-0.5132
Gm05	34647025	34647136	Gmdrm	hypo	CHG	-0.07
Gm05	34663666	34663871	Gmdrm	hypo	CHG	-0.4149
Gm05	34669499	34669739	Gmdrm	hypo	CHG	-0.4422
Gm05	34677260	34677490	Gmdrm	hypo	CHG	-0.0286
Gm05	34678773	34678991	Gmdrm	hypo	CHG	-0.1228
Gm05	34693747	34693985	Gmdrm	hypo	CHG	-0.025
Gm05	34703798	34704001	Gmdrm	hypo	CHG	-0.0913
Gm05	34712798	34712871	Gmdrm	hypo	CHG	-0.882
Gm05	34721121	34721502	Gmdrm	hypo	CHG	-0.034
Gm05	34722637	34722848	Gmdrm	hypo	CHG	-0.1625
Gm05	34723718	34723780	Gmdrm	hypo	CHG	-0.646
Gm05	34745160	34745343	Gmdrm	hypo	CHG	-0.2413
Gm05	34754007	34754231	Gmdrm	hypo	CHG	-0.048
Gm05	34777921	34778215	Gmdrm	hypo	CHG	-0.0475
Gm05	34783012	34783171	Gmdrm	hypo	CHG	-0.2562
Gm05	34807032	34807151	Gmdrm	hypo	CHG	-0.5238
Gm05	34807578	34807665	Gmdrm	hypo	CHG	-0.38
Gm05	34816389	34816843	Gmdrm	hypo	CHG	-0.2209
Gm05	34826603	34826905	Gmdrm	hypo	CHG	-0.1015
Gm05	34832111	34832183	Gmdrm	hypo	CHG	-0.374
Gm05	34833786	34833881	Gmdrm	hypo	CHG	-0.03
Gm05	34845940	34846823	Gmdrm	hypo	CHG	-0.1638
Gm05	34874430	34874731	Gmdrm	hypo	CHG	-0.4988
Gm05	34881097	34881213	Gmdrm	hypo	CHG	-0.08
Gm05	34893835	34893970	Gmdrm	hypo	CHG	-0.712
Gm05	34910067	34910447	Gmdrm	hypo	CHG	-0.0275
Gm05	34937352	34938004	Gmdrm	hypo	CHG	-0.0898
Gm05	34938170	34938490	Gmdrm	hypo	CHG	-0.6017
Gm05	34952633	34952942	Gmdrm	hypo	CHG	-0.298
Gm05	34956215	34956608	Gmdrm	hypo	CHG	-0.6393
Gm05	34956725	34956825	Gmdrm	hypo	CHG	-0.69
Gm05	34972660	34972886	Gmdrm	hypo	CHG	-0.9675
Gm05	34985545	34985813	Gmdrm	hypo	CHG	-0.091
Gm05	35003783	35003969	Gmdrm	hypo	CHG	-0.04
Gm05	35004651	35004871	Gmdrm	hypo	CHG	-0.0415
Gm05	35031861	35032277	Gmdrm	hypo	CHG	-0.275
Gm05	35049552	35050172	Gmdrm	hypo	CHG	-0.3797
Gm05	35053928	35054277	Gmdrm	hypo	CHG	-0.7477
Gm05	35076976	35077169	Gmdrm	hypo	CHG	-0.048
Gm05	35078393	35078723	Gmdrm	hypo	CHG	-0.05
Gm05	35079988	35080306	Gmdrm	hypo	CHG	-0.1333
Gm05	35088020	35088174	Gmdrm	hypo	CHG	-0.6159
Gm05	35090561	35090638	Gmdrm	hypo	CHG	-0.066
Gm05	35099672	35099800	Gmdrm	hypo	CHG	-0.5588
Gm05	35122026	35122205	Gmdrm	hypo	CHG	-0.8293

Gm05	35123174	35123409	Gmdrm	hypo	CHG	-0.7304
Gm05	35136251	35136633	Gmdrm	hypo	CHG	-0.0862
Gm05	35139738	35140076	Gmdrm	hypo	CHG	-0.7377
Gm05	35158427	35158551	Gmdrm	hypo	CHG	-0.058
Gm05	35164145	35164228	Gmdrm	hypo	CHG	-0.67
Gm05	35178754	35179229	Gmdrm	hypo	CHG	-0.2004
Gm05	35207271	35207687	Gmdrm	hypo	CHG	-0.78
Gm05	35250645	35250725	Gmdrm	hypo	CHG	-0.0767
Gm05	35253353	35253480	Gmdrm	hypo	CHG	-0.3084
Gm05	35257102	35257343	Gmdrm	hypo	CHG	-0.4529
Gm05	35257452	35257641	Gmdrm	hypo	CHG	-0.795
Gm05	35257745	35258144	Gmdrm	hypo	CHG	-0.7667
Gm05	35258470	35258567	Gmdrm	hypo	CHG	-0.65
Gm05	35258678	35258721	Gmdrm	hypo	CHG	-0.2471
Gm05	35273256	35273426	Gmdrm	hypo	CHG	-0.135
Gm05	35279507	35279798	Gmdrm	hypo	CHG	-0.6787
Gm05	35282021	35282560	Gmdrm	hypo	CHG	-0.3435
Gm05	35312537	35312769	Gmdrm	hypo	CHG	-0.8089
Gm05	35314993	35315078	Gmdrm	hypo	CHG	-0.931
Gm05	35315320	35316068	Gmdrm	hypo	CHG	-0.7744
Gm05	35316478	35316608	Gmdrm	hypo	CHG	-0.3575
Gm05	35329716	35329768	Gmdrm	hypo	CHG	-0.03
Gm05	35331745	35331848	Gmdrm	hypo	CHG	-0.6787
Gm05	35333634	35333878	Gmdrm	hypo	CHG	-0.032
Gm05	35334050	35334231	Gmdrm	hypo	CHG	-0.3936
Gm05	35334717	35335120	Gmdrm	hypo	CHG	-0.5387
Gm05	35338442	35338508	Gmdrm	hypo	CHG	-0.048
Gm05	35351146	35351469	Gmdrm	hypo	CHG	-0.0209
Gm05	35352546	35352925	Gmdrm	hypo	CHG	-0.605
Gm05	35367319	35367816	Gmdrm	hypo	CHG	-0.0337
Gm05	35389232	35389478	Gmdrm	hypo	CHG	-0.6933
Gm05	35390080	35390123	Gmdrm	hypo	CHG	-0.7025
Gm05	35391003	35391181	Gmdrm	hypo	CHG	-0.042
Gm05	35394765	35394803	Gmdrm	hypo	CHG	-0.168
Gm05	35395232	35395300	Gmdrm	hypo	CHG	-0.389
Gm05	35432024	35432919	Gmdrm	hypo	CHG	-0.2815
Gm05	35433023	35433413	Gmdrm	hypo	CHG	-0.0905
Gm05	35444165	35444537	Gmdrm	hypo	CHG	-0.7004
Gm05	35456708	35456858	Gmdrm	hypo	CHG	-0.056
Gm05	35502745	35503006	Gmdrm	hypo	CHG	-0.4554
Gm05	35503287	35503406	Gmdrm	hypo	CHG	-0.4582
Gm05	35599676	35599805	Gmdrm	hypo	CHG	-0.2367
Gm05	35600204	35600300	Gmdrm	hypo	CHG	-0.434
Gm05	35609281	35609385	Gmdrm	hypo	CHG	-0.785
Gm05	35609646	35609719	Gmdrm	hypo	CHG	-0.7817
Gm05	35609900	35610007	Gmdrm	hypo	CHG	-0.8067

Gm05	35610655	35610724	Gmdrm	hypo	CHG	-0.7501
Gm05	35611425	35611503	Gmdrm	hypo	CHG	-0.7557
Gm05	35612009	35612254	Gmdrm	hypo	CHG	-0.0533
Gm05	35618035	35618158	Gmdrm	hypo	CHG	-0.0417
Gm05	35625009	35625204	Gmdrm	hypo	CHG	-0.0745
Gm05	35625312	35625472	Gmdrm	hypo	CHG	-0.052
Gm05	35633587	35633830	Gmdrm	hypo	CHG	-0.0356
Gm05	35664622	35664862	Gmdrm	hypo	CHG	-0.1681
Gm05	35665581	35666038	Gmdrm	hypo	CHG	-0.0506
Gm05	35666616	35666851	Gmdrm	hypo	CHG	-0.5783
Gm05	35669711	35670206	Gmdrm	hypo	CHG	-0.385
Gm05	35695963	35696185	Gmdrm	hypo	CHG	-0.6681
Gm05	35696449	35696631	Gmdrm	hypo	CHG	-0.4612
Gm05	35696759	35697120	Gmdrm	hypo	CHG	-0.031
Gm05	35705919	35706066	Gmdrm	hypo	CHG	-0.045
Gm05	35706809	35706917	Gmdrm	hypo	CHG	-0.646
Gm05	35707124	35707485	Gmdrm	hypo	CHG	-0.934
Gm05	35719686	35719801	Gmdrm	hypo	CHG	-0.706
Gm05	35725693	35725896	Gmdrm	hypo	CHG	-0.4872
Gm05	35782783	35782989	Gmdrm	hypo	CHG	-0.1536
Gm05	35813756	35813926	Gmdrm	hypo	CHG	-0.048
Gm05	35818923	35819695	Gmdrm	hypo	CHG	-0.2541
Gm05	35840273	35841111	Gmdrm	hypo	CHG	-0.1513
Gm05	35856962	35857202	Gmdrm	hypo	CHG	-0.0517
Gm05	35887051	35887069	Gmdrm	hypo	CHG	-0.2443
Gm05	35889740	35889918	Gmdrm	hypo	CHG	-0.0566
Gm05	35890033	35890173	Gmdrm	hypo	CHG	-0.42
Gm05	35890286	35890358	Gmdrm	hypo	CHG	-0.33
Gm05	35904586	35904678	Gmdrm	hypo	CHG	-0.796
Gm05	35936986	35937716	Gmdrm	hypo	CHG	-0.5141
Gm05	35944606	35945375	Gmdrm	hypo	CHG	-0.3724
Gm05	35957604	35957752	Gmdrm	hypo	CHG	-0.0375
Gm05	35964206	35964369	Gmdrm	hypo	CHG	-0.7128
Gm05	35967423	35967653	Gmdrm	hypo	CHG	-0.0571
Gm05	35975433	35975490	Gmdrm	hypo	CHG	-0.0333
Gm05	35978298	35978428	Gmdrm	hypo	CHG	-0.1386
Gm05	35990769	35991253	Gmdrm	hypo	CHG	-0.7078
Gm05	36003188	36003320	Gmdrm	hypo	CHG	-0.7083
Gm05	36011270	36011460	Gmdrm	hypo	CHG	-0.04
Gm05	36014295	36014325	Gmdrm	hypo	CHG	-0.034
Gm05	36024708	36024792	Gmdrm	hypo	CHG	-0.4133
Gm05	36025049	36025196	Gmdrm	hypo	CHG	-0.7518
Gm05	36025396	36025488	Gmdrm	hypo	CHG	-0.6771
Gm05	36026958	36027162	Gmdrm	hypo	CHG	-0.5137
Gm05	36030774	36031164	Gmdrm	hypo	CHG	-0.206
Gm05	36037502	36037570	Gmdrm	hypo	CHG	-0.458

Gm05	36072344	36072700	Gmdrm	hypo	CHG	-0.1928
Gm05	36073486	36073495	Gmdrm	hypo	CHG	-0.724
Gm05	36079585	36079738	Gmdrm	hypo	CHG	-0.3471
Gm05	36093601	36093754	Gmdrm	hypo	CHG	-0.0372
Gm05	36118488	36118772	Gmdrm	hypo	CHG	-0.03
Gm05	36119448	36119753	Gmdrm	hypo	CHG	-0.88
Gm05	36119920	36120059	Gmdrm	hypo	CHG	-0.5173
Gm05	36120201	36120476	Gmdrm	hypo	CHG	-0.315
Gm05	36138949	36139029	Gmdrm	hypo	CHG	-0.625
Gm05	36139271	36139480	Gmdrm	hypo	CHG	-0.5237
Gm05	36222466	36222560	Gmdrm	hypo	CHG	-0.055
Gm05	36238491	36238617	Gmdrm	hypo	CHG	-0.6525
Gm05	36244327	36244588	Gmdrm	hypo	CHG	-0.044
Gm05	36254322	36254570	Gmdrm	hypo	CHG	-0.0462
Gm05	36277975	36278228	Gmdrm	hypo	CHG	-0.501
Gm05	36279529	36280104	Gmdrm	hypo	CHG	-0.5366
Gm05	36281280	36281493	Gmdrm	hypo	CHG	-0.8264
Gm05	36320135	36320304	Gmdrm	hypo	CHG	-0.2387
Gm05	36325246	36325563	Gmdrm	hypo	CHG	-0.0586
Gm05	36340810	36340898	Gmdrm	hypo	CHG	-0.046
Gm05	36341061	36341171	Gmdrm	hypo	CHG	-0.038
Gm05	36341292	36341581	Gmdrm	hypo	CHG	-0.0794
Gm05	36352342	36352991	Gmdrm	hypo	CHG	-0.2394
Gm05	36377918	36378023	Gmdrm	hypo	CHG	-0.668
Gm05	36380273	36380422	Gmdrm	hypo	CHG	-0.7858
Gm05	36380597	36380714	Gmdrm	hypo	CHG	-0.742
Gm05	36381748	36381796	Gmdrm	hypo	CHG	-0.05
Gm05	36462977	36463200	Gmdrm	hypo	CHG	-0.4933
Gm05	36466767	36466852	Gmdrm	hypo	CHG	-0.5576
Gm05	36486554	36486823	Gmdrm	hypo	CHG	-0.6864
Gm05	36489835	36489898	Gmdrm	hypo	CHG	-0.5817
Gm05	36517199	36517508	Gmdrm	hypo	CHG	-0.5676
Gm05	36517622	36517685	Gmdrm	hypo	CHG	-0.605
Gm05	36540279	36540788	Gmdrm	hypo	CHG	-0.2013
Gm05	36551030	36551238	Gmdrm	hypo	CHG	-0.605
Gm05	36581582	36581748	Gmdrm	hypo	CHG	-0.3467
Gm05	36582074	36582190	Gmdrm	hypo	CHG	-0.6266
Gm05	36615396	36615525	Gmdrm	hypo	CHG	-0.522
Gm05	36628845	36628923	Gmdrm	hypo	CHG	-0.7567
Gm05	36629073	36629532	Gmdrm	hypo	CHG	-0.4591
Gm05	36636271	36636598	Gmdrm	hypo	CHG	-0.11
Gm05	36638647	36638730	Gmdrm	hypo	CHG	-0.382
Gm05	36638984	36639014	Gmdrm	hypo	CHG	-0.294
Gm05	36656968	36657216	Gmdrm	hypo	CHG	-0.0493
Gm05	36679747	36679952	Gmdrm	hypo	CHG	-0.0367
Gm05	36697708	36697833	Gmdrm	hypo	CHG	-0.0671

Gm05	36701939	36702688	Gmdrm	hypo	CHG	-0.2208
Gm05	36703928	36704918	Gmdrm	hypo	CHG	-0.3174
Gm05	36774599	36774824	Gmdrm	hypo	CHG	-0.046
Gm05	36780465	36780609	Gmdrm	hypo	CHG	-0.044
Gm05	36782381	36782568	Gmdrm	hypo	CHG	-0.066
Gm05	36810133	36810411	Gmdrm	hypo	CHG	-0.3323
Gm05	36810642	36810990	Gmdrm	hypo	CHG	-0.7332
Gm05	36816474	36816701	Gmdrm	hypo	CHG	-0.7309
Gm05	36829223	36829446	Gmdrm	hypo	CHG	-0.4783
Gm05	36829728	36829828	Gmdrm	hypo	CHG	-0.126
Gm05	36833166	36833237	Gmdrm	hypo	CHG	-0.568
Gm05	36863520	36863805	Gmdrm	hypo	CHG	-0.28
Gm05	36881065	36881163	Gmdrm	hypo	CHG	-0.038
Gm05	36882533	36882720	Gmdrm	hypo	CHG	-0.05
Gm05	36888692	36889516	Gmdrm	hypo	CHG	-0.8283
Gm05	36896149	36896363	Gmdrm	hypo	CHG	-0.0512
Gm05	36904765	36904878	Gmdrm	hypo	CHG	-0.568
Gm05	36916995	36917055	Gmdrm	hypo	CHG	-0.79
Gm05	36932473	36933013	Gmdrm	hypo	CHG	-0.7142
Gm05	36937920	36938152	Gmdrm	hypo	CHG	-0.0329
Gm05	36940781	36940897	Gmdrm	hypo	CHG	-0.408
Gm05	36941291	36941690	Gmdrm	hypo	CHG	-0.49
Gm05	36943114	36943129	Gmdrm	hypo	CHG	-0.29
Gm05	36943279	36943588	Gmdrm	hypo	CHG	-0.2693
Gm05	36984125	36984261	Gmdrm	hypo	CHG	-0.78
Gm05	37027012	37027198	Gmdrm	hypo	CHG	-0.5
Gm05	37027454	37027522	Gmdrm	hypo	CHG	-0.7567
Gm05	37027659	37028605	Gmdrm	hypo	CHG	-0.6929
Gm05	37028699	37028819	Gmdrm	hypo	CHG	-0.7773
Gm05	37046013	37046050	Gmdrm	hypo	CHG	-0.8533
Gm05	37046270	37046447	Gmdrm	hypo	CHG	-0.6646
Gm05	37069482	37069756	Gmdrm	hypo	CHG	-0.0489
Gm05	37072027	37072439	Gmdrm	hypo	CHG	-0.0293
Gm05	37142101	37142272	Gmdrm	hypo	CHG	-0.3814
Gm05	37169422	37169600	Gmdrm	hypo	CHG	-0.0563
Gm05	37194119	37194299	Gmdrm	hypo	CHG	-0.0383
Gm05	37199169	37199309	Gmdrm	hypo	CHG	-0.044
Gm05	37201335	37201586	Gmdrm	hypo	CHG	-0.03
Gm05	37217403	37217818	Gmdrm	hypo	CHG	-0.0253
Gm05	37231700	37231912	Gmdrm	hypo	CHG	-0.6
Gm05	37235146	37235629	Gmdrm	hypo	CHG	-0.7553
Gm05	37237929	37238260	Gmdrm	hypo	CHG	-0.5782
Gm05	37238815	37238961	Gmdrm	hypo	CHG	-0.4933
Gm05	37259864	37260279	Gmdrm	hypo	CHG	-0.029
Gm05	37270087	37270123	Gmdrm	hypo	CHG	-0.592
Gm05	37291715	37292129	Gmdrm	hypo	CHG	-0.555

Gm05	37318899	37319184	Gmdrm	hypo	CHG	-0.0443
Gm05	37329820	37330348	Gmdrm	hypo	CHG	-0.7722
Gm05	37337090	37337204	Gmdrm	hypo	CHG	-0.3762
Gm05	37351403	37351780	Gmdrm	hypo	CHG	-0.054
Gm05	37385001	37385320	Gmdrm	hypo	CHG	-0.16
Gm05	37385749	37385853	Gmdrm	hypo	CHG	-0.1471
Gm05	37398707	37398985	Gmdrm	hypo	CHG	-0.7874
Gm05	37399215	37399319	Gmdrm	hypo	CHG	-0.5583
Gm05	37406110	37406283	Gmdrm	hypo	CHG	-0.554
Gm05	37437311	37437536	Gmdrm	hypo	CHG	-0.3911
Gm05	37437775	37437792	Gmdrm	hypo	CHG	-0.694
Gm05	37439000	37439167	Gmdrm	hypo	CHG	-0.735
Gm05	37439450	37439516	Gmdrm	hypo	CHG	-0.5571
Gm05	37442410	37442937	Gmdrm	hypo	CHG	-0.03
Gm05	37443045	37443294	Gmdrm	hypo	CHG	-0.552
Gm05	37466051	37466478	Gmdrm	hypo	CHG	-0.5389
Gm05	37467000	37467093	Gmdrm	hypo	CHG	-0.464
Gm05	37491062	37491387	Gmdrm	hypo	CHG	-0.5247
Gm05	37491603	37491796	Gmdrm	hypo	CHG	-0.6937
Gm05	37494417	37494858	Gmdrm	hypo	CHG	-0.0612
Gm05	37519047	37519426	Gmdrm	hypo	CHG	-0.0567
Gm05	37542743	37542946	Gmdrm	hypo	CHG	-0.5936
Gm05	37559000	37559084	Gmdrm	hypo	CHG	-0.105
Gm05	37569488	37569668	Gmdrm	hypo	CHG	-0.0233
Gm05	37585313	37585547	Gmdrm	hypo	CHG	-0.273
Gm05	37592770	37593254	Gmdrm	hypo	CHG	-0.77
Gm05	37620714	37620797	Gmdrm	hypo	CHG	-0.086
Gm05	37652584	37652751	Gmdrm	hypo	CHG	-0.66
Gm05	37656923	37657089	Gmdrm	hypo	CHG	-0.0529
Gm05	37667308	37667386	Gmdrm	hypo	CHG	-0.6827
Gm05	37667566	37667744	Gmdrm	hypo	CHG	-0.615
Gm05	37667873	37667996	Gmdrm	hypo	CHG	-0.1428
Gm05	37681497	37681685	Gmdrm	hypo	CHG	-0.9077
Gm05	37686273	37686495	Gmdrm	hypo	CHG	-0.1125
Gm05	37690644	37690795	Gmdrm	hypo	CHG	-0.036
Gm05	37698757	37698879	Gmdrm	hypo	CHG	-0.054
Gm05	37704540	37704698	Gmdrm	hypo	CHG	-0.075
Gm05	37712420	37712700	Gmdrm	hypo	CHG	-0.0416
Gm05	37734453	37734525	Gmdrm	hypo	CHG	-0.41
Gm05	37734751	37735028	Gmdrm	hypo	CHG	-0.7384
Gm05	37735254	37735364	Gmdrm	hypo	CHG	-0.4678
Gm05	37745929	37746056	Gmdrm	hypo	CHG	-0.0767
Gm05	37778793	37778966	Gmdrm	hypo	CHG	-0.042
Gm05	37788373	37788528	Gmdrm	hypo	CHG	-0.528
Gm05	37790057	37790216	Gmdrm	hypo	CHG	-0.0534
Gm05	37808212	37808240	Gmdrm	hypo	CHG	-0.0788

Gm05	37808387	37808572	Gmdrm	hypo	CHG	-0.925
Gm05	37814698	37815475	Gmdrm	hypo	CHG	-0.0384
Gm05	37825053	37825171	Gmdrm	hypo	CHG	-0.4183
Gm05	37826155	37826277	Gmdrm	hypo	CHG	-0.1966
Gm05	37841702	37841797	Gmdrm	hypo	CHG	-0.485
Gm05	37841902	37841999	Gmdrm	hypo	CHG	-0.6512
Gm05	37842377	37842522	Gmdrm	hypo	CHG	-0.825
Gm05	37897321	37897547	Gmdrm	hypo	CHG	-0.5006
Gm05	37897738	37897870	Gmdrm	hypo	CHG	-0.8257
Gm05	37914515	37914727	Gmdrm	hypo	CHG	-0.06
Gm05	37931524	37931771	Gmdrm	hypo	CHG	-0.054
Gm05	37937405	37937582	Gmdrm	hypo	CHG	-0.7023
Gm05	37941408	37941829	Gmdrm	hypo	CHG	-0.3959
Gm05	37950192	37950805	Gmdrm	hypo	CHG	-0.0294
Gm05	37954027	37954138	Gmdrm	hypo	CHG	-0.3843
Gm05	37956037	37956130	Gmdrm	hypo	CHG	-0.3187
Gm05	37966939	37967119	Gmdrm	hypo	CHG	-0.3316
Gm05	37970141	37970329	Gmdrm	hypo	CHG	-0.0262
Gm05	37980709	37980816	Gmdrm	hypo	CHG	-0.042
Gm05	38020515	38020641	Gmdrm	hypo	CHG	-0.056
Gm05	38026851	38027028	Gmdrm	hypo	CHG	-0.6131
Gm05	38027446	38027530	Gmdrm	hypo	CHG	-0.458
Gm05	38046306	38046457	Gmdrm	hypo	CHG	-0.685
Gm05	38062431	38062535	Gmdrm	hypo	CHG	-0.695
Gm05	38064627	38064651	Gmdrm	hypo	CHG	-0.812
Gm05	38064782	38064819	Gmdrm	hypo	CHG	-0.934
Gm05	38066282	38066447	Gmdrm	hypo	CHG	-0.3431
Gm05	38067123	38067278	Gmdrm	hypo	CHG	-0.3725
Gm05	38072056	38072189	Gmdrm	hypo	CHG	-0.042
Gm05	38089935	38090055	Gmdrm	hypo	CHG	-0.046
Gm05	38111741	38112047	Gmdrm	hypo	CHG	-0.1871
Gm05	38113481	38113873	Gmdrm	hypo	CHG	-0.2894
Gm05	38114540	38114721	Gmdrm	hypo	CHG	-0.1625
Gm05	38127083	38127239	Gmdrm	hypo	CHG	-0.34
Gm05	38129027	38129229	Gmdrm	hypo	CHG	-0.3815
Gm05	38129332	38129389	Gmdrm	hypo	CHG	-0.3525
Gm05	38131193	38131822	Gmdrm	hypo	CHG	-0.6209
Gm05	38132576	38132763	Gmdrm	hypo	CHG	-0.5817
Gm05	38159951	38160069	Gmdrm	hypo	CHG	-0.53
Gm05	38160328	38160548	Gmdrm	hypo	CHG	-0.4512
Gm05	38166369	38166592	Gmdrm	hypo	CHG	-0.05
Gm05	38181220	38181584	Gmdrm	hypo	CHG	-0.0533
Gm05	38199224	38199675	Gmdrm	hypo	CHG	-0.1547
Gm05	38199787	38200253	Gmdrm	hypo	CHG	-0.7869
Gm05	38202418	38202880	Gmdrm	hypo	CHG	-0.7546
Gm05	38205778	38205869	Gmdrm	hypo	CHG	-0.24

Gm05	38205994	38206159	Gmdrm	hypo	CHG	-0.4517
Gm05	38226948	38226998	Gmdrm	hypo	CHG	-0.034
Gm05	38228678	38229014	Gmdrm	hypo	CHG	-0.2918
Gm05	38254213	38254260	Gmdrm	hypo	CHG	-0.39
Gm05	38256329	38256553	Gmdrm	hypo	CHG	-0.5654
Gm05	38257029	38257597	Gmdrm	hypo	CHG	-0.652
Gm05	38272676	38272756	Gmdrm	hypo	CHG	-0.058
Gm05	38275118	38275961	Gmdrm	hypo	CHG	-0.1437
Gm05	38283253	38283598	Gmdrm	hypo	CHG	-0.1007
Gm05	38285432	38285823	Gmdrm	hypo	CHG	-0.1992
Gm05	38288829	38288896	Gmdrm	hypo	CHG	-0.034
Gm05	38308941	38309553	Gmdrm	hypo	CHG	-0.0284
Gm05	38315619	38315733	Gmdrm	hypo	CHG	-0.4877
Gm05	38336952	38337210	Gmdrm	hypo	CHG	-0.05
Gm05	38388622	38388735	Gmdrm	hypo	CHG	-0.0386
Gm05	38416980	38417337	Gmdrm	hypo	CHG	-0.6758
Gm05	38435282	38435539	Gmdrm	hypo	CHG	-0.8125
Gm05	38437774	38437984	Gmdrm	hypo	CHG	-0.2167
Gm05	38459771	38459885	Gmdrm	hypo	CHG	-0.47
Gm05	38460001	38460129	Gmdrm	hypo	CHG	-0.3728
Gm05	38460936	38461078	Gmdrm	hypo	CHG	-0.3275
Gm05	38490630	38491111	Gmdrm	hypo	CHG	-0.0509
Gm05	38506399	38506489	Gmdrm	hypo	CHG	-0.052
Gm05	38527446	38527704	Gmdrm	hypo	CHG	-0.0333
Gm05	38550050	38550106	Gmdrm	hypo	CHG	-0.3
Gm05	38553610	38554310	Gmdrm	hypo	CHG	-0.7155
Gm05	38561477	38561778	Gmdrm	hypo	CHG	-0.03
Gm05	38565239	38565364	Gmdrm	hypo	CHG	-0.6083
Gm05	38565475	38565657	Gmdrm	hypo	CHG	-0.7678
Gm05	38569889	38570228	Gmdrm	hypo	CHG	-0.3835
Gm05	38581146	38581333	Gmdrm	hypo	CHG	-0.2425
Gm05	38604534	38604791	Gmdrm	hypo	CHG	-0.552
Gm05	38610500	38610661	Gmdrm	hypo	CHG	-0.6433
Gm05	38610913	38611073	Gmdrm	hypo	CHG	-0.6033
Gm05	38611181	38611317	Gmdrm	hypo	CHG	-0.6461
Gm05	38611504	38611728	Gmdrm	hypo	CHG	-0.0349
Gm05	38627112	38627428	Gmdrm	hypo	CHG	-0.5382
Gm05	38638708	38638863	Gmdrm	hypo	CHG	-0.7986
Gm05	38648734	38648950	Gmdrm	hypo	CHG	-0.0357
Gm05	38675558	38675722	Gmdrm	hypo	CHG	-0.4916
Gm05	38706576	38706701	Gmdrm	hypo	CHG	-0.9134
Gm05	38721134	38721291	Gmdrm	hypo	CHG	-0.4353
Gm05	38744159	38744425	Gmdrm	hypo	CHG	-0.882
Gm05	38771345	38771733	Gmdrm	hypo	CHG	-0.7495
Gm05	38783095	38783450	Gmdrm	hypo	CHG	-0.3985
Gm05	38784278	38784755	Gmdrm	hypo	CHG	-0.04

Gm05	38802213	38802681	Gmdrm	hypo	CHG	-0.2043
Gm05	38803747	38804370	Gmdrm	hypo	CHG	-0.2091
Gm05	38821495	38821631	Gmdrm	hypo	CHG	-0.4
Gm05	38822081	38822293	Gmdrm	hypo	CHG	-0.3225
Gm05	38824908	38825389	Gmdrm	hypo	CHG	-0.8755
Gm05	38825537	38825846	Gmdrm	hypo	CHG	-0.7166
Gm05	38826436	38826557	Gmdrm	hypo	CHG	-0.042
Gm05	38833080	38833197	Gmdrm	hypo	CHG	-0.608
Gm05	38834947	38835241	Gmdrm	hypo	CHG	-0.4645
Gm05	38860642	38860669	Gmdrm	hypo	CHG	-0.33
Gm05	38860785	38860966	Gmdrm	hypo	CHG	-0.0833
Gm05	38871773	38871984	Gmdrm	hypo	CHG	-0.048
Gm05	38893731	38893778	Gmdrm	hypo	CHG	-0.826
Gm05	38900271	38900449	Gmdrm	hypo	CHG	-0.054
Gm05	38942794	38942903	Gmdrm	hypo	CHG	-0.074
Gm05	38959968	38960197	Gmdrm	hypo	CHG	-0.645
Gm05	38971339	38971697	Gmdrm	hypo	CHG	-0.0606
Gm05	38987464	38987606	Gmdrm	hypo	CHG	-0.0443
Gm05	38990143	38990411	Gmdrm	hypo	CHG	-0.0372
Gm05	38993137	38993229	Gmdrm	hypo	CHG	-0.109
Gm05	38999550	38999667	Gmdrm	hypo	CHG	-0.9218
Gm05	39011642	39011860	Gmdrm	hypo	CHG	-0.055
Gm05	39013385	39013752	Gmdrm	hypo	CHG	-0.8207
Gm05	39014236	39014433	Gmdrm	hypo	CHG	-0.0451
Gm05	39015625	39015659	Gmdrm	hypo	CHG	-0.045
Gm05	39017881	39018070	Gmdrm	hypo	CHG	-0.088
Gm05	39024943	39025215	Gmdrm	hypo	CHG	-0.0646
Gm05	39025347	39025557	Gmdrm	hypo	CHG	-0.0429
Gm05	39035069	39035182	Gmdrm	hypo	CHG	-0.485
Gm05	39038024	39038229	Gmdrm	hypo	CHG	-0.7425
Gm05	39044213	39044504	Gmdrm	hypo	CHG	-0.0425
Gm05	39150343	39150627	Gmdrm	hypo	CHG	-0.0236
Gm05	39165063	39165272	Gmdrm	hypo	CHG	-0.06
Gm05	39170629	39171167	Gmdrm	hypo	CHG	-0.4366
Gm05	39173597	39173942	Gmdrm	hypo	CHG	-0.4028
Gm05	39174058	39174190	Gmdrm	hypo	CHG	-0.5725
Gm05	39175191	39175582	Gmdrm	hypo	CHG	-0.4712
Gm05	39185379	39185445	Gmdrm	hypo	CHG	-0.1171
Gm05	39195401	39195674	Gmdrm	hypo	CHG	-0.1887
Gm05	39196705	39197701	Gmdrm	hypo	CHG	-0.228
Gm05	39201521	39201689	Gmdrm	hypo	CHG	-0.4943
Gm05	39204200	39204458	Gmdrm	hypo	CHG	-0.3772
Gm05	39205015	39205125	Gmdrm	hypo	CHG	-0.8075
Gm05	39206919	39207005	Gmdrm	hypo	CHG	-0.042
Gm05	39218829	39218949	Gmdrm	hypo	CHG	-0.14
Gm05	39243741	39243796	Gmdrm	hypo	CHG	-0.7224

Gm05	39243912	39244229	Gmdrm	hypo	CHG	-0.6494
Gm05	39271584	39271622	Gmdrm	hypo	CHG	-0.105
Gm05	39291967	39292238	Gmdrm	hypo	CHG	-0.035
Gm05	39310781	39311250	Gmdrm	hypo	CHG	-0.8371
Gm05	39324480	39324803	Gmdrm	hypo	CHG	-0.425
Gm05	39367448	39367568	Gmdrm	hypo	CHG	-0.18
Gm05	39423424	39423721	Gmdrm	hypo	CHG	-0.04
Gm05	39433293	39433481	Gmdrm	hypo	CHG	-0.0683
Gm05	39433828	39433973	Gmdrm	hypo	CHG	-0.9025
Gm05	39438113	39438247	Gmdrm	hypo	CHG	-0.59
Gm05	39441167	39441283	Gmdrm	hypo	CHG	-0.6267
Gm05	39445063	39445144	Gmdrm	hypo	CHG	-0.5257
Gm05	39500013	39500212	Gmdrm	hypo	CHG	-0.3457
Gm05	39502425	39502615	Gmdrm	hypo	CHG	-0.7639
Gm05	39504873	39504937	Gmdrm	hypo	CHG	-0.86
Gm05	39505172	39505235	Gmdrm	hypo	CHG	-0.9466
Gm05	39505458	39505783	Gmdrm	hypo	CHG	-0.8762
Gm05	39550630	39550767	Gmdrm	hypo	CHG	-0.07
Gm05	39560368	39560558	Gmdrm	hypo	CHG	-0.7957
Gm05	39561307	39561850	Gmdrm	hypo	CHG	-0.6
Gm05	39567066	39567445	Gmdrm	hypo	CHG	-0.1974
Gm05	39580037	39580104	Gmdrm	hypo	CHG	-0.0514
Gm05	39675413	39675605	Gmdrm	hypo	CHG	-0.482
Gm05	39677956	39678278	Gmdrm	hypo	CHG	-0.4744
Gm05	39683508	39683639	Gmdrm	hypo	CHG	-0.075
Gm05	39688602	39688820	Gmdrm	hypo	CHG	-0.2389
Gm05	39700106	39700292	Gmdrm	hypo	CHG	-0.038
Gm05	39704077	39704149	Gmdrm	hypo	CHG	-0.92
Gm05	39759024	39759258	Gmdrm	hypo	CHG	-0.76
Gm05	39759473	39759611	Gmdrm	hypo	CHG	-0.6634
Gm05	39771162	39771316	Gmdrm	hypo	CHG	-0.0272
Gm05	39794977	39795281	Gmdrm	hypo	CHG	-0.03
Gm05	39824190	39824361	Gmdrm	hypo	CHG	-0.04
Gm05	39826623	39826752	Gmdrm	hypo	CHG	-0.8475
Gm05	39827002	39827131	Gmdrm	hypo	CHG	-0.03
Gm05	39860921	39861102	Gmdrm	hypo	CHG	-0.4881
Gm05	39876198	39876521	Gmdrm	hypo	CHG	-0.6508
Gm05	39884604	39885077	Gmdrm	hypo	CHG	-0.5584
Gm05	39886310	39886461	Gmdrm	hypo	CHG	-0.048
Gm05	39886594	39887171	Gmdrm	hypo	CHG	-0.8938
Gm05	39906761	39907144	Gmdrm	hypo	CHG	-0.5426
Gm05	39907258	39907511	Gmdrm	hypo	CHG	-0.2744
Gm05	39908317	39908791	Gmdrm	hypo	CHG	-0.3584
Gm05	39908959	39909160	Gmdrm	hypo	CHG	-0.7275
Gm05	39911102	39911201	Gmdrm	hypo	CHG	-0.0343
Gm05	39914293	39914929	Gmdrm	hypo	CHG	-0.725

Gm05	39915685	39915880	Gmdrm	hypo	CHG	-0.57
Gm05	39952786	39952870	Gmdrm	hypo	CHG	-0.66
Gm05	39953398	39953576	Gmdrm	hypo	CHG	-0.6512
Gm05	39955362	39955444	Gmdrm	hypo	CHG	-0.66
Gm05	39955741	39955950	Gmdrm	hypo	CHG	-0.7944
Gm05	40014235	40014340	Gmdrm	hypo	CHG	-0.6616
Gm05	40024231	40024476	Gmdrm	hypo	CHG	-0.048
Gm05	40024909	40025010	Gmdrm	hypo	CHG	-0.0972
Gm05	40033570	40033681	Gmdrm	hypo	CHG	-0.0967
Gm05	40034917	40035026	Gmdrm	hypo	CHG	-0.0383
Gm05	40041874	40042208	Gmdrm	hypo	CHG	-0.5333
Gm05	40054182	40054426	Gmdrm	hypo	CHG	-0.0225
Gm05	40060833	40060866	Gmdrm	hypo	CHG	-0.7917
Gm05	40061073	40061151	Gmdrm	hypo	CHG	-0.4133
Gm05	40061306	40061697	Gmdrm	hypo	CHG	-0.6142
Gm05	40063523	40063788	Gmdrm	hypo	CHG	-0.3686
Gm05	40074585	40074830	Gmdrm	hypo	CHG	-0.0483
Gm05	40079759	40079791	Gmdrm	hypo	CHG	-0.694
Gm05	40079951	40080052	Gmdrm	hypo	CHG	-0.8433
Gm05	40081946	40082110	Gmdrm	hypo	CHG	-0.5483
Gm05	40095602	40095839	Gmdrm	hypo	CHG	-0.032
Gm05	40132744	40132834	Gmdrm	hypo	CHG	-0.612
Gm05	40133271	40133563	Gmdrm	hypo	CHG	-0.5309
Gm05	40133702	40133841	Gmdrm	hypo	CHG	-0.5425
Gm05	40139809	40139921	Gmdrm	hypo	CHG	-0.1443
Gm05	40141183	40141477	Gmdrm	hypo	CHG	-0.3554
Gm05	40142348	40142530	Gmdrm	hypo	CHG	-0.1995
Gm05	40152906	40153133	Gmdrm	hypo	CHG	-0.072
Gm05	40178221	40178318	Gmdrm	hypo	CHG	-0.165
Gm05	40178524	40178858	Gmdrm	hypo	CHG	-0.2855
Gm05	40186400	40186542	Gmdrm	hypo	CHG	-0.72
Gm05	40187025	40187136	Gmdrm	hypo	CHG	-0.0334
Gm05	40218018	40218204	Gmdrm	hypo	CHG	-0.8763
Gm05	40218607	40218806	Gmdrm	hypo	CHG	-0.9055
Gm05	40226268	40226809	Gmdrm	hypo	CHG	-0.0493
Gm05	40231064	40231139	Gmdrm	hypo	CHG	-0.044
Gm05	40248502	40248699	Gmdrm	hypo	CHG	-0.3965
Gm05	40249088	40249227	Gmdrm	hypo	CHG	-0.04
Gm05	40264917	40265086	Gmdrm	hypo	CHG	-0.3533
Gm05	40273979	40274182	Gmdrm	hypo	CHG	-0.04
Gm05	40277581	40277683	Gmdrm	hypo	CHG	-0.048
Gm05	40306428	40306578	Gmdrm	hypo	CHG	-0.5087
Gm05	40309725	40310054	Gmdrm	hypo	CHG	-0.0417
Gm05	40313942	40314188	Gmdrm	hypo	CHG	-0.0414
Gm05	40314293	40314425	Gmdrm	hypo	CHG	-0.0675
Gm05	40329057	40329221	Gmdrm	hypo	CHG	-0.74

Gm05	40329530	40329677 Gmdrm	hypo	CHG	-0.53
Gm05	40340747	40340846 Gmdrm	hypo	CHG	-0.058
Gm05	40353039	40353270 Gmdrm	hypo	CHG	-0.2891
Gm05	40357727	40358104 Gmdrm	hypo	CHG	-0.1221
Gm05	40361593	40361715 Gmdrm	hypo	CHG	-0.6513
Gm05	40380989	40381081 Gmdrm	hypo	CHG	-0.3225
Gm05	40393001	40393176 Gmdrm	hypo	CHG	-0.0416
Gm05	40452406	40452713 Gmdrm	hypo	CHG	-0.7171
Gm05	40456127	40456200 Gmdrm	hypo	CHG	-0.065
Gm05	40474969	40475420 Gmdrm	hypo	CHG	-0.2887
Gm05	40475531	40475659 Gmdrm	hypo	CHG	-0.7175
Gm05	40476441	40476592 Gmdrm	hypo	CHG	-0.41
Gm05	40502075	40502411 Gmdrm	hypo	CHG	-0.0372
Gm05	40511950	40512311 Gmdrm	hypo	CHG	-0.52
Gm05	40516473	40516570 Gmdrm	hypo	CHG	-0.145
Gm05	40541371	40541482 Gmdrm	hypo	CHG	-0.2657
Gm05	40549722	40549853 Gmdrm	hypo	CHG	-0.395
Gm05	40550008	40550620 Gmdrm	hypo	CHG	-0.2816
Gm05	40572929	40573028 Gmdrm	hypo	CHG	-0.495
Gm05	40575314	40575446 Gmdrm	hypo	CHG	-0.5312
Gm05	40587030	40587356 Gmdrm	hypo	CHG	-0.8506
Gm05	40591861	40591960 Gmdrm	hypo	CHG	-0.9
Gm05	40612215	40612337 Gmdrm	hypo	CHG	-0.5613
Gm05	40612510	40612631 Gmdrm	hypo	CHG	-0.574
Gm05	40629642	40629879 Gmdrm	hypo	CHG	-0.19
Gm05	40642728	40642991 Gmdrm	hypo	CHG	-0.42
Gm05	40643427	40643821 Gmdrm	hypo	CHG	-0.1553
Gm05	40646885	40647344 Gmdrm	hypo	CHG	-0.6781
Gm05	40656879	40656917 Gmdrm	hypo	CHG	-0.065
Gm05	40672008	40672093 Gmdrm	hypo	CHG	-0.662
Gm05	40672312	40672493 Gmdrm	hypo	CHG	-0.7121
Gm05	40673636	40673758 Gmdrm	hypo	CHG	-0.1133
Gm05	40674498	40675301 Gmdrm	hypo	CHG	-0.3783
Gm05	40689777	40689951 Gmdrm	hypo	CHG	-0.0945
Gm05	40704040	40704290 Gmdrm	hypo	CHG	-0.6529
Gm05	40704535	40704780 Gmdrm	hypo	CHG	-0.4578
Gm05	40705620	40705807 Gmdrm	hypo	CHG	-0.57
Gm05	40706104	40706352 Gmdrm	hypo	CHG	-0.3989
Gm05	40728138	40728226 Gmdrm	hypo	CHG	-0.03
Gm05	40744772	40745018 Gmdrm	hypo	CHG	-0.7664
Gm05	40777399	40777569 Gmdrm	hypo	CHG	-0.54
Gm05	40787121	40787188 Gmdrm	hypo	CHG	-0.815
Gm05	40790074	40790666 Gmdrm	hypo	CHG	-0.305
Gm05	40794225	40795055 Gmdrm	hypo	CHG	-0.2454
Gm05	40806087	40806123 Gmdrm	hypo	CHG	-0.094
Gm05	40806906	40806993 Gmdrm	hypo	CHG	-0.5184

Gm05	40816552	40816702	Gmdrm	hypo	CHG	-0.1138
Gm05	40822056	40822225	Gmdrm	hypo	CHG	-0.3585
Gm05	40829218	40829410	Gmdrm	hypo	CHG	-0.7536
Gm05	40829699	40829964	Gmdrm	hypo	CHG	-0.7626
Gm05	40844024	40844148	Gmdrm	hypo	CHG	-0.5938
Gm05	40844484	40844544	Gmdrm	hypo	CHG	-0.545
Gm05	40844879	40845162	Gmdrm	hypo	CHG	-0.2527
Gm05	40853026	40853125	Gmdrm	hypo	CHG	-0.3017
Gm05	40853264	40853566	Gmdrm	hypo	CHG	-0.6319
Gm05	40856214	40856551	Gmdrm	hypo	CHG	-0.7136
Gm05	40856700	40856748	Gmdrm	hypo	CHG	-0.04
Gm05	40871613	40871700	Gmdrm	hypo	CHG	-0.1238
Gm05	40871832	40871927	Gmdrm	hypo	CHG	-0.4383
Gm05	40872638	40872728	Gmdrm	hypo	CHG	-0.662
Gm05	40874106	40874279	Gmdrm	hypo	CHG	-0.0871
Gm05	40879447	40879570	Gmdrm	hypo	CHG	-0.936
Gm05	40879721	40880163	Gmdrm	hypo	CHG	-0.9506
Gm05	40919389	40919964	Gmdrm	hypo	CHG	-0.5494
Gm05	40931584	40931729	Gmdrm	hypo	CHG	-0.87
Gm05	40956960	40957020	Gmdrm	hypo	CHG	-0.0933
Gm05	40971407	40971450	Gmdrm	hypo	CHG	-0.8383
Gm05	40974920	40975099	Gmdrm	hypo	CHG	-0.6546
Gm05	40975457	40975555	Gmdrm	hypo	CHG	-0.325
Gm05	40982455	40982495	Gmdrm	hypo	CHG	-0.644
Gm05	40985267	40985420	Gmdrm	hypo	CHG	-0.048
Gm05	40999552	40999658	Gmdrm	hypo	CHG	-0.0313
Gm05	41012717	41012770	Gmdrm	hypo	CHG	-0.3517
Gm05	41013845	41013908	Gmdrm	hypo	CHG	-0.0675
Gm05	41025472	41025772	Gmdrm	hypo	CHG	-0.4427
Gm05	41026026	41026168	Gmdrm	hypo	CHG	-0.7582
Gm05	41027692	41027838	Gmdrm	hypo	CHG	-0.6943
Gm05	41038787	41038965	Gmdrm	hypo	CHG	-0.04
Gm05	41040170	41040935	Gmdrm	hypo	CHG	-0.0249
Gm05	41111940	41112045	Gmdrm	hypo	CHG	-0.046
Gm05	41112701	41113083	Gmdrm	hypo	CHG	-0.7632
Gm05	41116585	41116736	Gmdrm	hypo	CHG	-0.4673
Gm05	41122771	41122833	Gmdrm	hypo	CHG	-0.48
Gm05	41124651	41124743	Gmdrm	hypo	CHG	-0.0884
Gm05	41125115	41125521	Gmdrm	hypo	CHG	-0.7947
Gm05	41125732	41125780	Gmdrm	hypo	CHG	-0.3517
Gm05	41129810	41129907	Gmdrm	hypo	CHG	-0.0733
Gm05	41132365	41132742	Gmdrm	hypo	CHG	-0.7355
Gm05	41134440	41134533	Gmdrm	hypo	CHG	-0.4683
Gm05	41135076	41135172	Gmdrm	hypo	CHG	-0.5867
Gm05	41135316	41135405	Gmdrm	hypo	CHG	-0.508
Gm05	41136676	41136719	Gmdrm	hypo	CHG	-0.2

Gm05	41153952	41154102	Gmdrm	hypo	CHG	-0.6045
Gm05	41185546	41185673	Gmdrm	hypo	CHG	-0.03
Gm05	41188170	41188325	Gmdrm	hypo	CHG	-0.0386
Gm05	41192033	41192260	Gmdrm	hypo	CHG	-0.042
Gm05	41203029	41203134	Gmdrm	hypo	CHG	-0.8038
Gm05	41234729	41234918	Gmdrm	hypo	CHG	-0.856
Gm05	41235348	41235469	Gmdrm	hypo	CHG	-0.8045
Gm05	41252393	41252489	Gmdrm	hypo	CHG	-0.18
Gm05	41254876	41255481	Gmdrm	hypo	CHG	-0.024
Gm05	41310632	41310870	Gmdrm	hypo	CHG	-0.69
Gm05	41313548	41313714	Gmdrm	hypo	CHG	-0.6073
Gm05	41324405	41324840	Gmdrm	hypo	CHG	-0.0775
Gm05	41325171	41325338	Gmdrm	hypo	CHG	-0.0843
Gm05	41332682	41332920	Gmdrm	hypo	CHG	-0.708
Gm05	41341237	41341301	Gmdrm	hypo	CHG	-0.07
Gm05	41376490	41376806	Gmdrm	hypo	CHG	-0.5354
Gm05	41376907	41377123	Gmdrm	hypo	CHG	-0.7563
Gm05	41377272	41377432	Gmdrm	hypo	CHG	-0.7583
Gm05	41377539	41378082	Gmdrm	hypo	CHG	-0.6466
Gm05	41397034	41397228	Gmdrm	hypo	CHG	-0.884
Gm05	41397348	41397474	Gmdrm	hypo	CHG	-0.84
Gm05	41397589	41397643	Gmdrm	hypo	CHG	-0.802
Gm05	41424028	41424110	Gmdrm	hypo	CHG	-0.038
Gm05	41440151	41440586	Gmdrm	hypo	CHG	-0.045
Gm05	41441225	41441247	Gmdrm	hypo	CHG	-0.605
Gm05	41450175	41450376	Gmdrm	hypo	CHG	-0.0425
Gm05	41452035	41452121	Gmdrm	hypo	CHG	-0.07
Gm05	41458774	41458853	Gmdrm	hypo	CHG	-0.0755
Gm05	41476383	41476504	Gmdrm	hypo	CHG	-0.7175
Gm05	41476719	41476830	Gmdrm	hypo	CHG	-0.745
Gm05	41483315	41483431	Gmdrm	hypo	CHG	-0.61
Gm05	41517404	41517622	Gmdrm	hypo	CHG	-0.044
Gm05	41519974	41520426	Gmdrm	hypo	CHG	-0.7623
Gm05	41523775	41524319	Gmdrm	hypo	CHG	-0.8039
Gm05	41530347	41530497	Gmdrm	hypo	CHG	-0.045
Gm05	41537690	41537905	Gmdrm	hypo	CHG	-0.05
Gm05	41540802	41541178	Gmdrm	hypo	CHG	-0.2697
Gm05	41552335	41552385	Gmdrm	hypo	CHG	-0.3437
Gm05	41556937	41557092	Gmdrm	hypo	CHG	-0.36
Gm05	41557575	41557615	Gmdrm	hypo	CHG	-0.49
Gm05	41585492	41585557	Gmdrm	hypo	CHG	-0.2483
Gm05	41590603	41590868	Gmdrm	hypo	CHG	-0.2056
Gm05	41596556	41596768	Gmdrm	hypo	CHG	-0.9009
Gm05	41606121	41606225	Gmdrm	hypo	CHG	-0.0638
Gm05	41632161	41632386	Gmdrm	hypo	CHG	-0.4256
Gm05	41638010	41638420	Gmdrm	hypo	CHG	-0.487

Gm05	41666720	41666839	Gmdrm	hypo	CHG	-0.0667
Gm05	41679997	41680263	Gmdrm	hypo	CHG	-0.03
Gm05	41682633	41682692	Gmdrm	hypo	CHG	-0.82
Gm05	41682927	41682970	Gmdrm	hypo	CHG	-0.2167
Gm05	41683091	41683198	Gmdrm	hypo	CHG	-0.05
Gm05	41685399	41685465	Gmdrm	hypo	CHG	-0.336
Gm05	41687262	41687327	Gmdrm	hypo	CHG	-0.7483
Gm05	41706414	41706687	Gmdrm	hypo	CHG	-0.0525
Gm05	41718149	41718624	Gmdrm	hypo	CHG	-0.4133
Gm05	41722515	41722738	Gmdrm	hypo	CHG	-0.4129
Gm05	41765404	41765538	Gmdrm	hypo	CHG	-0.2088
Gm05	41769107	41769208	Gmdrm	hypo	CHG	-0.034
Gm05	41819843	41819916	Gmdrm	hypo	CHG	-0.5967
Gm05	41820105	41820245	Gmdrm	hypo	CHG	-0.7655
Gm05	41823846	41824182	Gmdrm	hypo	CHG	-0.0371
Gm05	41869020	41869137	Gmdrm	hypo	CHG	-0.056
Gm05	41889134	41889389	Gmdrm	hypo	CHG	-0.0417
Gm05	41913675	41913785	Gmdrm	hypo	CHG	-0.7613
Gm05	41917689	41918132	Gmdrm	hypo	CHG	-0.0267
Gm05	41931550	41931644	Gmdrm	hypo	CHG	-0.58
Gm05	41931766	41931887	Gmdrm	hypo	CHG	-0.5966
Gm05	41946696	41946710	Gmdrm	hypo	CHG	-0.716
Gm05	41946894	41947153	Gmdrm	hypo	CHG	-0.464
Gm05	41964545	41964919	Gmdrm	hypo	CHG	-0.5516
Gm05	41965081	41965244	Gmdrm	hypo	CHG	-0.4786
Gm05	41970185	41970290	Gmdrm	hypo	CHG	-0.1246
Gm05	41971563	41972505	Gmdrm	hypo	CHG	-0.2168
Gm05	41989247	41989398	Gmdrm	hypo	CHG	-0.094
Gm05	41993479	41993851	Gmdrm	hypo	CHG	-0.6458
Gm05	42002330	42002480	Gmdrm	hypo	CHG	-0.31
Gm05	42021974	42022206	Gmdrm	hypo	CHG	-0.6811
Gm05	42023307	42023482	Gmdrm	hypo	CHG	-0.4383
Gm05	42053462	42053628	Gmdrm	hypo	CHG	-0.917
Gm05	42070363	42070466	Gmdrm	hypo	CHG	-0.294
Gm05	42071322	42071424	Gmdrm	hypo	CHG	-0.8924
Gm05	42080285	42080457	Gmdrm	hypo	CHG	-0.0384
Gm05	42084301	42084377	Gmdrm	hypo	CHG	-0.125
Gm05	42094677	42095113	Gmdrm	hypo	CHG	-0.03
Gm05	42113059	42113489	Gmdrm	hypo	CHG	-0.6955
Gm05	42114151	42114202	Gmdrm	hypo	CHG	-0.8317
Gm05	42123537	42123911	Gmdrm	hypo	CHG	-0.2159
Gm05	42136350	42136385	Gmdrm	hypo	CHG	-0.16
Gm05	42136553	42136665	Gmdrm	hypo	CHG	-0.734
Gm05	42136790	42136847	Gmdrm	hypo	CHG	-0.672
Gm05	42137122	42137250	Gmdrm	hypo	CHG	-0.4989
Gm05	42142695	42142794	Gmdrm	hypo	CHG	-0.1933

Gm05	42145153	42145414	Gmdrm	hypo	CHG	-0.5359
Gm05	42148924	42148952	Gmdrm	hypo	CHG	-0.7033
Gm05	42149179	42149314	Gmdrm	hypo	CHG	-0.6143
Gm05	42149463	42149743	Gmdrm	hypo	CHG	-0.2439
Gm05	42155113	42155765	Gmdrm	hypo	CHG	-0.2869
Gm05	42156029	42156196	Gmdrm	hypo	CHG	-0.8096
Gm05	42181687	42181916	Gmdrm	hypo	CHG	-0.2458
Gm05	42189657	42189830	Gmdrm	hypo	CHG	-0.345
Gm05	42191000	42191157	Gmdrm	hypo	CHG	-0.0471
Gm05	42200419	42200618	Gmdrm	hypo	CHG	-0.0583
Gm05	42218296	42218394	Gmdrm	hypo	CHG	-0.382
Gm05	42234906	42235056	Gmdrm	hypo	CHG	-0.4183
Gm05	42248014	42248441	Gmdrm	hypo	CHG	-0.1
Gm05	42248545	42249525	Gmdrm	hypo	CHG	-0.1557
Gm05	42255251	42255445	Gmdrm	hypo	CHG	-0.6667
Gm05	42255549	42255647	Gmdrm	hypo	CHG	-0.502
Gm05	42257185	42257267	Gmdrm	hypo	CHG	-0.068
Gm05	42259837	42259895	Gmdrm	hypo	CHG	-0.659
Gm05	42262014	42262347	Gmdrm	hypo	CHG	-0.6937
Gm05	42263472	42263799	Gmdrm	hypo	CHG	-0.3475
Gm05	42264094	42264187	Gmdrm	hypo	CHG	-0.329
Gm05	42264306	42264668	Gmdrm	hypo	CHG	-0.1819
Gm05	42270200	42270478	Gmdrm	hypo	CHG	-0.626
Gm05_scaffol	10884	10944	Gmdrm	hypo	CHG	-0.5733
Gm05_scaffol	12992	13230	Gmdrm	hypo	CHG	-0.6772
Gm05_scaffol	28534	28583	Gmdrm	hypo	CHG	-0.04
Gm05_scaffol	32115	32222	Gmdrm	hypo	CHG	-0.394
Gm05_scaffol	38849	39151	Gmdrm	hypo	CHG	-0.0375
Gm05_scaffol	9163	9390	Gmdrm	hypo	CHG	-0.054
Gm05_scaffol	19919	19987	Gmdrm	hypo	CHG	-0.2633
Gm05_scaffol	35323	35504	Gmdrm	hypo	CHG	-0.9633
Gm05_scaffol	67710	67762	Gmdrm	hypo	CHG	-0.04
Gm05_scaffol	71117	71393	Gmdrm	hypo	CHG	-0.8367
Gm05_scaffol	71687	71820	Gmdrm	hypo	CHG	-0.7083
Gm05_scaffol	72387	72678	Gmdrm	hypo	CHG	-0.7807
Gm06	8737	8899	Gmdrm	hypo	CHG	-0.1156
Gm06	16649	16939	Gmdrm	hypo	CHG	-0.04
Gm06	27726	28374	Gmdrm	hypo	CHG	-0.2681
Gm06	28780	29024	Gmdrm	hypo	CHG	-0.4668
Gm06	29598	29659	Gmdrm	hypo	CHG	-0.6271
Gm06	51750	51947	Gmdrm	hypo	CHG	-0.451
Gm06	52269	52627	Gmdrm	hypo	CHG	-0.4967
Gm06	55978	56159	Gmdrm	hypo	CHG	-0.4643
Gm06	101046	101105	Gmdrm	hypo	CHG	-0.131
Gm06	114066	114092	Gmdrm	hypo	CHG	-0.672
Gm06	114211	114335	Gmdrm	hypo	CHG	-0.4889

Gm06	119780	120226 Gmdrm	hypo	CHG	-0.0267
Gm06	149150	149350 Gmdrm	hypo	CHG	-0.7266
Gm06	159094	159298 Gmdrm	hypo	CHG	-0.57
Gm06	187132	187213 Gmdrm	hypo	CHG	-0.165
Gm06	189353	189572 Gmdrm	hypo	CHG	-0.0612
Gm06	207226	207355 Gmdrm	hypo	CHG	-0.034
Gm06	210336	210506 Gmdrm	hypo	CHG	-0.692
Gm06	231374	231548 Gmdrm	hypo	CHG	-0.03
Gm06	243220	243330 Gmdrm	hypo	CHG	-0.03
Gm06	247689	247842 Gmdrm	hypo	CHG	-0.1067
Gm06	256407	256759 Gmdrm	hypo	CHG	-0.0638
Gm06	275225	275579 Gmdrm	hypo	CHG	-0.182
Gm06	285234	285399 Gmdrm	hypo	CHG	-0.2425
Gm06	285639	285708 Gmdrm	hypo	CHG	-0.4358
Gm06	288590	288848 Gmdrm	hypo	CHG	-0.9087
Gm06	302808	302998 Gmdrm	hypo	CHG	-0.04
Gm06	305757	305962 Gmdrm	hypo	CHG	-0.7452
Gm06	306618	306732 Gmdrm	hypo	CHG	-0.248
Gm06	326760	326991 Gmdrm	hypo	CHG	-0.2143
Gm06	327703	327759 Gmdrm	hypo	CHG	-0.3484
Gm06	330750	330960 Gmdrm	hypo	CHG	-0.1161
Gm06	331355	331386 Gmdrm	hypo	CHG	-0.432
Gm06	343084	343397 Gmdrm	hypo	CHG	-0.6622
Gm06	343529	343931 Gmdrm	hypo	CHG	-0.8024
Gm06	358694	358832 Gmdrm	hypo	CHG	-0.034
Gm06	360177	360353 Gmdrm	hypo	CHG	-0.8592
Gm06	360737	361025 Gmdrm	hypo	CHG	-0.7305
Gm06	393812	393982 Gmdrm	hypo	CHG	-0.6507
Gm06	394106	394346 Gmdrm	hypo	CHG	-0.7259
Gm06	394464	394589 Gmdrm	hypo	CHG	-0.07
Gm06	418665	418869 Gmdrm	hypo	CHG	-0.0299
Gm06	422727	423014 Gmdrm	hypo	CHG	-0.32
Gm06	423165	423376 Gmdrm	hypo	CHG	-0.4666
Gm06	428601	428752 Gmdrm	hypo	CHG	-0.5611
Gm06	429072	430059 Gmdrm	hypo	CHG	-0.4667
Gm06	430086	431082 Gmdrm	hypo	CHG	-0.3339
Gm06	431087	431218 Gmdrm	hypo	CHG	-0.44
Gm06	431385	431519 Gmdrm	hypo	CHG	-0.4862
Gm06	431869	432119 Gmdrm	hypo	CHG	-0.5863
Gm06	437558	437779 Gmdrm	hypo	CHG	-0.7009
Gm06	451554	451743 Gmdrm	hypo	CHG	-0.05
Gm06	474560	474825 Gmdrm	hypo	CHG	-0.6777
Gm06	475005	475232 Gmdrm	hypo	CHG	-0.8726
Gm06	476731	477092 Gmdrm	hypo	CHG	-0.7954
Gm06	478063	478305 Gmdrm	hypo	CHG	-0.67
Gm06	478904	479116 Gmdrm	hypo	CHG	-0.8568

Gm06	480791	481311	Gmdrm	hypo	CHG	-0.8177
Gm06	489900	490039	Gmdrm	hypo	CHG	-0.5529
Gm06	522712	523060	Gmdrm	hypo	CHG	-0.6079
Gm06	524222	524499	Gmdrm	hypo	CHG	-0.827
Gm06	542124	542239	Gmdrm	hypo	CHG	-0.71
Gm06	549211	549316	Gmdrm	hypo	CHG	-0.0733
Gm06	552738	552809	Gmdrm	hypo	CHG	-0.3046
Gm06	592184	592384	Gmdrm	hypo	CHG	-0.6834
Gm06	592495	592944	Gmdrm	hypo	CHG	-0.7731
Gm06	593211	593400	Gmdrm	hypo	CHG	-0.0564
Gm06	613646	613760	Gmdrm	hypo	CHG	-0.0322
Gm06	624912	625112	Gmdrm	hypo	CHG	-0.05
Gm06	651219	651297	Gmdrm	hypo	CHG	-0.86
Gm06	666289	667013	Gmdrm	hypo	CHG	-0.6405
Gm06	670314	670436	Gmdrm	hypo	CHG	-0.802
Gm06	673077	673236	Gmdrm	hypo	CHG	-0.095
Gm06	677856	677938	Gmdrm	hypo	CHG	-0.03
Gm06	688934	689490	Gmdrm	hypo	CHG	-0.0184
Gm06	712269	712319	Gmdrm	hypo	CHG	-0.7933
Gm06	715450	715913	Gmdrm	hypo	CHG	-0.7193
Gm06	729191	729369	Gmdrm	hypo	CHG	-0.64
Gm06	743426	743569	Gmdrm	hypo	CHG	-0.39
Gm06	766933	767231	Gmdrm	hypo	CHG	-0.7894
Gm06	767981	768480	Gmdrm	hypo	CHG	-0.423
Gm06	783268	783330	Gmdrm	hypo	CHG	-0.6167
Gm06	794946	795131	Gmdrm	hypo	CHG	-0.9457
Gm06	806177	806459	Gmdrm	hypo	CHG	-0.0537
Gm06	809008	809105	Gmdrm	hypo	CHG	-0.04
Gm06	813908	814056	Gmdrm	hypo	CHG	-0.835
Gm06	817390	817578	Gmdrm	hypo	CHG	-0.074
Gm06	821263	821418	Gmdrm	hypo	CHG	-0.5442
Gm06	821662	821762	Gmdrm	hypo	CHG	-0.5471
Gm06	841857	841965	Gmdrm	hypo	CHG	-0.1357
Gm06	842353	842758	Gmdrm	hypo	CHG	-0.42
Gm06	849586	849723	Gmdrm	hypo	CHG	-0.032
Gm06	856905	857125	Gmdrm	hypo	CHG	-0.4537
Gm06	857252	857420	Gmdrm	hypo	CHG	-0.6467
Gm06	872268	872495	Gmdrm	hypo	CHG	-0.06
Gm06	876008	876463	Gmdrm	hypo	CHG	-0.2585
Gm06	883722	883979	Gmdrm	hypo	CHG	-0.0472
Gm06	892726	892873	Gmdrm	hypo	CHG	-0.7872
Gm06	902629	902683	Gmdrm	hypo	CHG	-0.0283
Gm06	915021	915154	Gmdrm	hypo	CHG	-0.082
Gm06	918488	918524	Gmdrm	hypo	CHG	-0.8017
Gm06	938530	938688	Gmdrm	hypo	CHG	-0.8331
Gm06	938937	939099	Gmdrm	hypo	CHG	-0.1456

Gm06	1011448	1011643	Gmdrm	hypo	CHG	-0.0577
Gm06	1033207	1033295	Gmdrm	hypo	CHG	-0.7678
Gm06	1033396	1033495	Gmdrm	hypo	CHG	-0.7867
Gm06	1034272	1034364	Gmdrm	hypo	CHG	-0.63
Gm06	1037384	1037431	Gmdrm	hypo	CHG	-0.8771
Gm06	1047828	1047967	Gmdrm	hypo	CHG	-0.29
Gm06	1068834	1068963	Gmdrm	hypo	CHG	-0.0646
Gm06	1086397	1086515	Gmdrm	hypo	CHG	-0.1437
Gm06	1092349	1092419	Gmdrm	hypo	CHG	-0.4229
Gm06	1110935	1110996	Gmdrm	hypo	CHG	-0.686
Gm06	1124436	1124495	Gmdrm	hypo	CHG	-0.5513
Gm06	1124598	1124715	Gmdrm	hypo	CHG	-0.9012
Gm06	1124830	1124975	Gmdrm	hypo	CHG	-0.83
Gm06	1168001	1168280	Gmdrm	hypo	CHG	-0.2234
Gm06	1168481	1168554	Gmdrm	hypo	CHG	-0.584
Gm06	1172046	1172183	Gmdrm	hypo	CHG	-0.3434
Gm06	1172310	1172490	Gmdrm	hypo	CHG	-0.062
Gm06	1188518	1188689	Gmdrm	hypo	CHG	-0.417
Gm06	1215225	1215375	Gmdrm	hypo	CHG	-0.7589
Gm06	1216017	1216165	Gmdrm	hypo	CHG	-0.835
Gm06	1231344	1231490	Gmdrm	hypo	CHG	-0.0345
Gm06	1236084	1236221	Gmdrm	hypo	CHG	-0.9275
Gm06	1237859	1237969	Gmdrm	hypo	CHG	-0.605
Gm06	1238136	1238254	Gmdrm	hypo	CHG	-0.3833
Gm06	1256189	1256286	Gmdrm	hypo	CHG	-0.0863
Gm06	1257993	1258100	Gmdrm	hypo	CHG	-0.414
Gm06	1259814	1259874	Gmdrm	hypo	CHG	-0.7916
Gm06	1296406	1296549	Gmdrm	hypo	CHG	-0.032
Gm06	1298349	1298436	Gmdrm	hypo	CHG	-0.355
Gm06	1332661	1332792	Gmdrm	hypo	CHG	-0.845
Gm06	1333267	1333487	Gmdrm	hypo	CHG	-0.3262
Gm06	1335847	1336219	Gmdrm	hypo	CHG	-0.6638
Gm06	1343275	1343701	Gmdrm	hypo	CHG	-0.1878
Gm06	1348574	1348760	Gmdrm	hypo	CHG	-0.6188
Gm06	1356937	1357196	Gmdrm	hypo	CHG	-0.062
Gm06	1360125	1360282	Gmdrm	hypo	CHG	-0.4686
Gm06	1391135	1391221	Gmdrm	hypo	CHG	-0.508
Gm06	1408801	1409044	Gmdrm	hypo	CHG	-0.048
Gm06	1444448	1444497	Gmdrm	hypo	CHG	-0.8716
Gm06	1445215	1445364	Gmdrm	hypo	CHG	-0.7683
Gm06	1457224	1457331	Gmdrm	hypo	CHG	-0.044
Gm06	1474319	1474710	Gmdrm	hypo	CHG	-0.061
Gm06	1482986	1483171	Gmdrm	hypo	CHG	-0.054
Gm06	1492045	1492445	Gmdrm	hypo	CHG	-0.7606
Gm06	1538958	1539455	Gmdrm	hypo	CHG	-0.78
Gm06	1564000	1564079	Gmdrm	hypo	CHG	-0.5533

Gm06	1564225	1564620	Gmdrm	hypo	CHG	-0.7796
Gm06	1585225	1585372	Gmdrm	hypo	CHG	-0.062
Gm06	1592865	1593025	Gmdrm	hypo	CHG	-0.407
Gm06	1593240	1593306	Gmdrm	hypo	CHG	-0.2786
Gm06	1600967	1601205	Gmdrm	hypo	CHG	-0.8385
Gm06	1627253	1627349	Gmdrm	hypo	CHG	-0.068
Gm06	1648002	1648095	Gmdrm	hypo	CHG	-0.044
Gm06	1652639	1652762	Gmdrm	hypo	CHG	-0.194
Gm06	1656130	1656611	Gmdrm	hypo	CHG	-0.0307
Gm06	1668079	1668742	Gmdrm	hypo	CHG	-0.3645
Gm06	1696254	1696406	Gmdrm	hypo	CHG	-0.028
Gm06	1697068	1697312	Gmdrm	hypo	CHG	-0.6582
Gm06	1702209	1702302	Gmdrm	hypo	CHG	-0.0381
Gm06	1713892	1714343	Gmdrm	hypo	CHG	-0.2673
Gm06	1736392	1736589	Gmdrm	hypo	CHG	-0.5617
Gm06	1737481	1737833	Gmdrm	hypo	CHG	-0.6295
Gm06	1747851	1748050	Gmdrm	hypo	CHG	-0.0329
Gm06	1751106	1751907	Gmdrm	hypo	CHG	-0.2126
Gm06	1767058	1767394	Gmdrm	hypo	CHG	-0.8355
Gm06	1767508	1767588	Gmdrm	hypo	CHG	-0.9633
Gm06	1787357	1787594	Gmdrm	hypo	CHG	-0.5415
Gm06	1792614	1792730	Gmdrm	hypo	CHG	-0.029
Gm06	1813212	1813372	Gmdrm	hypo	CHG	-0.714
Gm06	1813606	1813797	Gmdrm	hypo	CHG	-0.7879
Gm06	1816680	1816796	Gmdrm	hypo	CHG	-0.6362
Gm06	1821536	1821838	Gmdrm	hypo	CHG	-0.9332
Gm06	1823776	1823877	Gmdrm	hypo	CHG	-0.056
Gm06	1834225	1834582	Gmdrm	hypo	CHG	-0.6343
Gm06	1843220	1843355	Gmdrm	hypo	CHG	-0.243
Gm06	1850072	1850256	Gmdrm	hypo	CHG	-0.34
Gm06	1857856	1857955	Gmdrm	hypo	CHG	-0.5966
Gm06	1859270	1859382	Gmdrm	hypo	CHG	-0.2977
Gm06	1861392	1861727	Gmdrm	hypo	CHG	-0.0433
Gm06	1863973	1864102	Gmdrm	hypo	CHG	-0.6413
Gm06	1869040	1869355	Gmdrm	hypo	CHG	-0.0924
Gm06	1893167	1893649	Gmdrm	hypo	CHG	-0.2058
Gm06	1901117	1901535	Gmdrm	hypo	CHG	-0.3223
Gm06	1905810	1905940	Gmdrm	hypo	CHG	-0.3549
Gm06	1942378	1942627	Gmdrm	hypo	CHG	-0.8063
Gm06	1984373	1984552	Gmdrm	hypo	CHG	-0.0667
Gm06	1984687	1984790	Gmdrm	hypo	CHG	-0.846
Gm06	1984893	1985255	Gmdrm	hypo	CHG	-0.6335
Gm06	1985529	1985716	Gmdrm	hypo	CHG	-0.55
Gm06	1987858	1988287	Gmdrm	hypo	CHG	-0.1281
Gm06	1988548	1989001	Gmdrm	hypo	CHG	-0.0484
Gm06	2003158	2003627	Gmdrm	hypo	CHG	-0.1233

Gm06	2003870	2004507 Gmdrm	hypo	CHG	-0.7279
Gm06	2006211	2006410 Gmdrm	hypo	CHG	-0.084
Gm06	2017488	2017658 Gmdrm	hypo	CHG	-0.6214
Gm06	2030397	2030521 Gmdrm	hypo	CHG	-0.0667
Gm06	2036429	2037283 Gmdrm	hypo	CHG	-0.2024
Gm06	2047273	2047541 Gmdrm	hypo	CHG	-0.2857
Gm06	2047678	2048135 Gmdrm	hypo	CHG	-0.3008
Gm06	2048237	2048694 Gmdrm	hypo	CHG	-0.584
Gm06	2073565	2073774 Gmdrm	hypo	CHG	-0.1887
Gm06	2093259	2093421 Gmdrm	hypo	CHG	-0.54
Gm06	2093655	2093863 Gmdrm	hypo	CHG	-0.278
Gm06	2117534	2117919 Gmdrm	hypo	CHG	-0.3779
Gm06	2118998	2119318 Gmdrm	hypo	CHG	-0.7041
Gm06	2137528	2137656 Gmdrm	hypo	CHG	-0.042
Gm06	2159237	2159262 Gmdrm	hypo	CHG	-0.412
Gm06	2161265	2161729 Gmdrm	hypo	CHG	-0.3943
Gm06	2202890	2202931 Gmdrm	hypo	CHG	-0.9233
Gm06	2203769	2203958 Gmdrm	hypo	CHG	-0.8944
Gm06	2204629	2204726 Gmdrm	hypo	CHG	-0.3
Gm06	2211215	2211324 Gmdrm	hypo	CHG	-0.046
Gm06	2224757	2225153 Gmdrm	hypo	CHG	-0.1888
Gm06	2234394	2234552 Gmdrm	hypo	CHG	-0.117
Gm06	2251255	2251596 Gmdrm	hypo	CHG	-0.03
Gm06	2273318	2273671 Gmdrm	hypo	CHG	-0.3464
Gm06	2273841	2274826 Gmdrm	hypo	CHG	-0.1881
Gm06	2274870	2275741 Gmdrm	hypo	CHG	-0.0466
Gm06	2284753	2284923 Gmdrm	hypo	CHG	-0.0466
Gm06	2294910	2295242 Gmdrm	hypo	CHG	-0.0767
Gm06	2322410	2322492 Gmdrm	hypo	CHG	-0.767
Gm06	2322731	2322926 Gmdrm	hypo	CHG	-0.3964
Gm06	2323999	2324037 Gmdrm	hypo	CHG	-0.9567
Gm06	2333901	2334071 Gmdrm	hypo	CHG	-0.031
Gm06	2356658	2356877 Gmdrm	hypo	CHG	-0.8839
Gm06	2357149	2357667 Gmdrm	hypo	CHG	-0.8033
Gm06	2358914	2359421 Gmdrm	hypo	CHG	-0.2344
Gm06	2365129	2365260 Gmdrm	hypo	CHG	-0.36
Gm06	2368474	2368770 Gmdrm	hypo	CHG	-0.189
Gm06	2369014	2369543 Gmdrm	hypo	CHG	-0.4211
Gm06	2400187	2400351 Gmdrm	hypo	CHG	-0.0329
Gm06	2414253	2414429 Gmdrm	hypo	CHG	-0.8875
Gm06	2415145	2415692 Gmdrm	hypo	CHG	-0.5532
Gm06	2433428	2433701 Gmdrm	hypo	CHG	-0.0533
Gm06	2433944	2434496 Gmdrm	hypo	CHG	-0.2154
Gm06	2470315	2470455 Gmdrm	hypo	CHG	-0.5878
Gm06	2485222	2485366 Gmdrm	hypo	CHG	-0.0586
Gm06	2496815	2496909 Gmdrm	hypo	CHG	-0.2157

Gm06	2508600	2509406	Gmdrm	hypo	CHG	-0.037
Gm06	2516224	2516428	Gmdrm	hypo	CHG	-0.0337
Gm06	2519719	2520255	Gmdrm	hypo	CHG	-0.3203
Gm06	2529832	2530068	Gmdrm	hypo	CHG	-0.8318
Gm06	2547907	2548019	Gmdrm	hypo	CHG	-0.3514
Gm06	2563428	2563861	Gmdrm	hypo	CHG	-0.5795
Gm06	2568938	2569696	Gmdrm	hypo	CHG	-0.1731
Gm06	2569822	2570150	Gmdrm	hypo	CHG	-0.318
Gm06	2570804	2571025	Gmdrm	hypo	CHG	-0.0617
Gm06	2576751	2576881	Gmdrm	hypo	CHG	-0.2957
Gm06	2581589	2581708	Gmdrm	hypo	CHG	-0.453
Gm06	2595210	2595279	Gmdrm	hypo	CHG	-0.07
Gm06	2605381	2605514	Gmdrm	hypo	CHG	-0.785
Gm06	2605839	2606055	Gmdrm	hypo	CHG	-0.7827
Gm06	2606366	2606491	Gmdrm	hypo	CHG	-0.6775
Gm06	2606594	2606737	Gmdrm	hypo	CHG	-0.53
Gm06	2615329	2615449	Gmdrm	hypo	CHG	-0.0328
Gm06	2636811	2636960	Gmdrm	hypo	CHG	-0.0367
Gm06	2647342	2647492	Gmdrm	hypo	CHG	-0.0533
Gm06	2656268	2656543	Gmdrm	hypo	CHG	-0.3773
Gm06	2674924	2675206	Gmdrm	hypo	CHG	-0.6521
Gm06	2687011	2687150	Gmdrm	hypo	CHG	-0.335
Gm06	2687518	2687589	Gmdrm	hypo	CHG	-0.2667
Gm06	2694197	2694284	Gmdrm	hypo	CHG	-0.646
Gm06	2727724	2728111	Gmdrm	hypo	CHG	-0.0363
Gm06	2734881	2735023	Gmdrm	hypo	CHG	-0.5
Gm06	2738048	2738193	Gmdrm	hypo	CHG	-0.065
Gm06	2742417	2742652	Gmdrm	hypo	CHG	-0.0428
Gm06	2753572	2753697	Gmdrm	hypo	CHG	-0.6217
Gm06	2754407	2754490	Gmdrm	hypo	CHG	-0.5972
Gm06	2754827	2754943	Gmdrm	hypo	CHG	-0.5043
Gm06	2796476	2796757	Gmdrm	hypo	CHG	-0.3333
Gm06	2799206	2799479	Gmdrm	hypo	CHG	-0.0313
Gm06	2802611	2803391	Gmdrm	hypo	CHG	-0.6204
Gm06	2803492	2804006	Gmdrm	hypo	CHG	-0.2415
Gm06	2816175	2816336	Gmdrm	hypo	CHG	-0.435
Gm06	2823797	2824170	Gmdrm	hypo	CHG	-0.0916
Gm06	2832449	2832534	Gmdrm	hypo	CHG	-0.0233
Gm06	2834769	2835145	Gmdrm	hypo	CHG	-0.3675
Gm06	2870339	2871073	Gmdrm	hypo	CHG	-0.0411
Gm06	2884058	2884811	Gmdrm	hypo	CHG	-0.5037
Gm06	2890531	2890612	Gmdrm	hypo	CHG	-0.05
Gm06	2891841	2892057	Gmdrm	hypo	CHG	-0.3117
Gm06	2892196	2892293	Gmdrm	hypo	CHG	-0.6375
Gm06	2892999	2893291	Gmdrm	hypo	CHG	-0.584
Gm06	2894684	2894883	Gmdrm	hypo	CHG	-0.6639

Gm06	2897717	2898268	Gmdrm	hypo	CHG	-0.2577
Gm06	2918338	2918663	Gmdrm	hypo	CHG	-0.038
Gm06	2927006	2927238	Gmdrm	hypo	CHG	-0.7214
Gm06	2947207	2947251	Gmdrm	hypo	CHG	-0.4683
Gm06	2947826	2948213	Gmdrm	hypo	CHG	-0.3093
Gm06	2965505	2965948	Gmdrm	hypo	CHG	-0.228
Gm06	2993166	2993276	Gmdrm	hypo	CHG	-0.634
Gm06	2998959	2999087	Gmdrm	hypo	CHG	-0.04
Gm06	2999619	2999909	Gmdrm	hypo	CHG	-0.0522
Gm06	3008295	3008390	Gmdrm	hypo	CHG	-0.6233
Gm06	3008501	3008542	Gmdrm	hypo	CHG	-0.8228
Gm06	3008799	3009009	Gmdrm	hypo	CHG	-0.7323
Gm06	3023131	3023560	Gmdrm	hypo	CHG	-0.7586
Gm06	3024252	3024319	Gmdrm	hypo	CHG	-0.217
Gm06	3024613	3024860	Gmdrm	hypo	CHG	-0.2417
Gm06	3033643	3033831	Gmdrm	hypo	CHG	-0.5555
Gm06	3033947	3034089	Gmdrm	hypo	CHG	-0.0567
Gm06	3046215	3046804	Gmdrm	hypo	CHG	-0.8227
Gm06	3047560	3047877	Gmdrm	hypo	CHG	-0.1609
Gm06	3048438	3048509	Gmdrm	hypo	CHG	-0.7117
Gm06	3057632	3058147	Gmdrm	hypo	CHG	-0.0253
Gm06	3065761	3066008	Gmdrm	hypo	CHG	-0.3937
Gm06	3088785	3088905	Gmdrm	hypo	CHG	-0.3119
Gm06	3089175	3089500	Gmdrm	hypo	CHG	-0.7533
Gm06	3096815	3096923	Gmdrm	hypo	CHG	-0.115
Gm06	3115705	3115991	Gmdrm	hypo	CHG	-0.573
Gm06	3116097	3116393	Gmdrm	hypo	CHG	-0.764
Gm06	3142595	3142718	Gmdrm	hypo	CHG	-0.5237
Gm06	3144272	3144379	Gmdrm	hypo	CHG	-0.8308
Gm06	3157623	3157674	Gmdrm	hypo	CHG	-0.932
Gm06	3157984	3158087	Gmdrm	hypo	CHG	-0.665
Gm06	3158995	3159254	Gmdrm	hypo	CHG	-0.9367
Gm06	3185648	3185903	Gmdrm	hypo	CHG	-0.559
Gm06	3200821	3200860	Gmdrm	hypo	CHG	-0.066
Gm06	3207148	3207322	Gmdrm	hypo	CHG	-0.036
Gm06	3219475	3219897	Gmdrm	hypo	CHG	-0.4015
Gm06	3278358	3278439	Gmdrm	hypo	CHG	-0.2287
Gm06	3282387	3282535	Gmdrm	hypo	CHG	-0.0267
Gm06	3306089	3306316	Gmdrm	hypo	CHG	-0.6322
Gm06	3317207	3317343	Gmdrm	hypo	CHG	-0.353
Gm06	3333844	3334127	Gmdrm	hypo	CHG	-0.4082
Gm06	3334235	3334416	Gmdrm	hypo	CHG	-0.7005
Gm06	3362272	3362392	Gmdrm	hypo	CHG	-0.0459
Gm06	3399728	3400040	Gmdrm	hypo	CHG	-0.0339
Gm06	3421959	3422201	Gmdrm	hypo	CHG	-0.6264
Gm06	3422458	3422560	Gmdrm	hypo	CHG	-0.656

Gm06	3430756	3431744	Gmdrm	hypo	CHG	-0.4566
Gm06	3431761	3431805	Gmdrm	hypo	CHG	-0.8737
Gm06	3450531	3450682	Gmdrm	hypo	CHG	-0.736
Gm06	3453134	3453414	Gmdrm	hypo	CHG	-0.3056
Gm06	3517598	3517895	Gmdrm	hypo	CHG	-0.0267
Gm06	3534697	3534887	Gmdrm	hypo	CHG	-0.37
Gm06	3542939	3543021	Gmdrm	hypo	CHG	-0.026
Gm06	3591145	3591250	Gmdrm	hypo	CHG	-0.6817
Gm06	3596731	3596817	Gmdrm	hypo	CHG	-0.6883
Gm06	3604864	3604927	Gmdrm	hypo	CHG	-0.818
Gm06	3606633	3607027	Gmdrm	hypo	CHG	-0.7289
Gm06	3613509	3613848	Gmdrm	hypo	CHG	-0.045
Gm06	3641068	3641203	Gmdrm	hypo	CHG	-0.042
Gm06	3641528	3642049	Gmdrm	hypo	CHG	-0.5876
Gm06	3643695	3644022	Gmdrm	hypo	CHG	-0.7255
Gm06	3650465	3650550	Gmdrm	hypo	CHG	-0.1063
Gm06	3682086	3682587	Gmdrm	hypo	CHG	-0.77
Gm06	3683446	3683578	Gmdrm	hypo	CHG	-0.6114
Gm06	3683679	3683734	Gmdrm	hypo	CHG	-0.7483
Gm06	3700046	3700163	Gmdrm	hypo	CHG	-0.6433
Gm06	3700319	3700416	Gmdrm	hypo	CHG	-0.654
Gm06	3702151	3702359	Gmdrm	hypo	CHG	-0.3987
Gm06	3720995	3721303	Gmdrm	hypo	CHG	-0.5141
Gm06	3723967	3724108	Gmdrm	hypo	CHG	-0.6958
Gm06	3729686	3729755	Gmdrm	hypo	CHG	-0.8087
Gm06	3750829	3750973	Gmdrm	hypo	CHG	-0.7356
Gm06	3754374	3754434	Gmdrm	hypo	CHG	-0.842
Gm06	3759376	3759558	Gmdrm	hypo	CHG	-0.6937
Gm06	3759813	3760189	Gmdrm	hypo	CHG	-0.767
Gm06	3771142	3771578	Gmdrm	hypo	CHG	-0.3945
Gm06	3839178	3839382	Gmdrm	hypo	CHG	-0.07
Gm06	3863543	3863635	Gmdrm	hypo	CHG	-0.0886
Gm06	3873893	3873983	Gmdrm	hypo	CHG	-0.04
Gm06	3877508	3878022	Gmdrm	hypo	CHG	-0.7416
Gm06	3887802	3888131	Gmdrm	hypo	CHG	-0.3776
Gm06	3900576	3900898	Gmdrm	hypo	CHG	-0.0571
Gm06	3922463	3923042	Gmdrm	hypo	CHG	-0.2885
Gm06	3930427	3930594	Gmdrm	hypo	CHG	-0.05
Gm06	3947754	3947840	Gmdrm	hypo	CHG	-0.169
Gm06	3948283	3948535	Gmdrm	hypo	CHG	-0.6488
Gm06	3956610	3956890	Gmdrm	hypo	CHG	-0.7173
Gm06	3957102	3957226	Gmdrm	hypo	CHG	-0.8355
Gm06	3957534	3957666	Gmdrm	hypo	CHG	-0.534
Gm06	3957928	3958009	Gmdrm	hypo	CHG	-0.7343
Gm06	3964688	3965090	Gmdrm	hypo	CHG	-0.0429
Gm06	3974338	3974621	Gmdrm	hypo	CHG	-0.0941

Gm06	3993839	3994061	Gmdrm	hypo	CHG	-0.0415
Gm06	4013235	4013397	Gmdrm	hypo	CHG	-0.4234
Gm06	4022756	4022907	Gmdrm	hypo	CHG	-0.0443
Gm06	4029116	4029383	Gmdrm	hypo	CHG	-0.7708
Gm06	4042044	4042295	Gmdrm	hypo	CHG	-0.6767
Gm06	4043730	4043898	Gmdrm	hypo	CHG	-0.6583
Gm06	4057837	4057881	Gmdrm	hypo	CHG	-0.5167
Gm06	4071802	4071904	Gmdrm	hypo	CHG	-0.2314
Gm06	4094627	4094978	Gmdrm	hypo	CHG	-0.0225
Gm06	4096503	4096593	Gmdrm	hypo	CHG	-0.3067
Gm06	4105852	4106041	Gmdrm	hypo	CHG	-0.8642
Gm06	4122125	4122228	Gmdrm	hypo	CHG	-0.8617
Gm06	4132278	4132431	Gmdrm	hypo	CHG	-0.34
Gm06	4162031	4162219	Gmdrm	hypo	CHG	-0.7943
Gm06	4210243	4210381	Gmdrm	hypo	CHG	-0.7628
Gm06	4224925	4225156	Gmdrm	hypo	CHG	-0.0387
Gm06	4236158	4236200	Gmdrm	hypo	CHG	-0.04
Gm06	4262394	4262627	Gmdrm	hypo	CHG	-0.0328
Gm06	4278336	4278497	Gmdrm	hypo	CHG	-0.655
Gm06	4290845	4290959	Gmdrm	hypo	CHG	-0.8974
Gm06	4312964	4313644	Gmdrm	hypo	CHG	-0.6425
Gm06	4338410	4338731	Gmdrm	hypo	CHG	-0.1629
Gm06	4369966	4370108	Gmdrm	hypo	CHG	-0.036
Gm06	4370296	4370350	Gmdrm	hypo	CHG	-0.755
Gm06	4371410	4371662	Gmdrm	hypo	CHG	-0.8706
Gm06	4389196	4389205	Gmdrm	hypo	CHG	-0.0333
Gm06	4412585	4412935	Gmdrm	hypo	CHG	-0.405
Gm06	4421231	4421332	Gmdrm	hypo	CHG	-0.858
Gm06	4438820	4438939	Gmdrm	hypo	CHG	-0.256
Gm06	4441206	4441259	Gmdrm	hypo	CHG	-0.3933
Gm06	4468736	4468960	Gmdrm	hypo	CHG	-0.4491
Gm06	4477647	4478366	Gmdrm	hypo	CHG	-0.2099
Gm06	4482018	4482294	Gmdrm	hypo	CHG	-0.4318
Gm06	4494143	4494373	Gmdrm	hypo	CHG	-0.0936
Gm06	4495684	4495832	Gmdrm	hypo	CHG	-0.662
Gm06	4496196	4496397	Gmdrm	hypo	CHG	-0.2793
Gm06	4519736	4520091	Gmdrm	hypo	CHG	-0.0312
Gm06	4529003	4529183	Gmdrm	hypo	CHG	-0.4885
Gm06	4540634	4540690	Gmdrm	hypo	CHG	-0.076
Gm06	4542363	4542796	Gmdrm	hypo	CHG	-0.2558
Gm06	4542902	4543465	Gmdrm	hypo	CHG	-0.2863
Gm06	4558345	4558598	Gmdrm	hypo	CHG	-0.0683
Gm06	4558704	4558807	Gmdrm	hypo	CHG	-0.112
Gm06	4559799	4560078	Gmdrm	hypo	CHG	-0.6112
Gm06	4573810	4574207	Gmdrm	hypo	CHG	-0.0285
Gm06	4584814	4585147	Gmdrm	hypo	CHG	-0.6356

Gm06	4610519	4610731	Gmdrm	hypo	CHG	-0.0458
Gm06	4621422	4621792	Gmdrm	hypo	CHG	-0.4936
Gm06	4635457	4635585	Gmdrm	hypo	CHG	-0.4437
Gm06	4635695	4635850	Gmdrm	hypo	CHG	-0.0928
Gm06	4665247	4665623	Gmdrm	hypo	CHG	-0.5432
Gm06	4687944	4688069	Gmdrm	hypo	CHG	-0.7563
Gm06	4695984	4696608	Gmdrm	hypo	CHG	-0.2347
Gm06	4696911	4697524	Gmdrm	hypo	CHG	-0.442
Gm06	4730221	4730356	Gmdrm	hypo	CHG	-0.048
Gm06	4734011	4734296	Gmdrm	hypo	CHG	-0.0283
Gm06	4738174	4738211	Gmdrm	hypo	CHG	-0.805
Gm06	4738326	4738586	Gmdrm	hypo	CHG	-0.2071
Gm06	4740134	4740239	Gmdrm	hypo	CHG	-0.054
Gm06	4740539	4740877	Gmdrm	hypo	CHG	-0.332
Gm06	4765177	4765244	Gmdrm	hypo	CHG	-0.21
Gm06	4824849	4825022	Gmdrm	hypo	CHG	-0.0713
Gm06	4847445	4847974	Gmdrm	hypo	CHG	-0.5093
Gm06	4858577	4858775	Gmdrm	hypo	CHG	-0.33
Gm06	4859414	4859860	Gmdrm	hypo	CHG	-0.2815
Gm06	4861673	4861755	Gmdrm	hypo	CHG	-0.2866
Gm06	4861885	4861969	Gmdrm	hypo	CHG	-0.5633
Gm06	4869284	4869612	Gmdrm	hypo	CHG	-0.2432
Gm06	4869752	4869945	Gmdrm	hypo	CHG	-0.6705
Gm06	4888487	4888599	Gmdrm	hypo	CHG	-0.263
Gm06	4894927	4895069	Gmdrm	hypo	CHG	-0.4454
Gm06	4895845	4896139	Gmdrm	hypo	CHG	-0.6556
Gm06	4925143	4925339	Gmdrm	hypo	CHG	-0.0385
Gm06	4930958	4931003	Gmdrm	hypo	CHG	-0.418
Gm06	4937603	4937669	Gmdrm	hypo	CHG	-0.7358
Gm06	4938809	4939235	Gmdrm	hypo	CHG	-0.1429
Gm06	4947845	4947891	Gmdrm	hypo	CHG	-0.042
Gm06	4960934	4961054	Gmdrm	hypo	CHG	-0.618
Gm06	4978601	4978691	Gmdrm	hypo	CHG	-0.3133
Gm06	5011925	5012095	Gmdrm	hypo	CHG	-0.6614
Gm06	5012447	5012534	Gmdrm	hypo	CHG	-0.5883
Gm06	5016975	5017208	Gmdrm	hypo	CHG	-0.3725
Gm06	5022937	5023131	Gmdrm	hypo	CHG	-0.0678
Gm06	5038654	5038821	Gmdrm	hypo	CHG	-0.0414
Gm06	5093453	5093546	Gmdrm	hypo	CHG	-0.0586
Gm06	5098439	5098559	Gmdrm	hypo	CHG	-0.9458
Gm06	5112365	5112497	Gmdrm	hypo	CHG	-0.3814
Gm06	5121024	5121132	Gmdrm	hypo	CHG	-0.2943
Gm06	5122887	5122974	Gmdrm	hypo	CHG	-0.1522
Gm06	5136729	5137492	Gmdrm	hypo	CHG	-0.2327
Gm06	5138503	5139388	Gmdrm	hypo	CHG	-0.2812
Gm06	5161028	5161217	Gmdrm	hypo	CHG	-0.3373

Gm06	5188445	5188618	Gmdrm	hypo	CHG	-0.8636
Gm06	5188836	5189141	Gmdrm	hypo	CHG	-0.8609
Gm06	5189302	5189421	Gmdrm	hypo	CHG	-0.8612
Gm06	5211378	5211715	Gmdrm	hypo	CHG	-0.0449
Gm06	5214380	5214671	Gmdrm	hypo	CHG	-0.1925
Gm06	5229543	5229657	Gmdrm	hypo	CHG	-0.07
Gm06	5240133	5240366	Gmdrm	hypo	CHG	-0.6793
Gm06	5270448	5270580	Gmdrm	hypo	CHG	-0.05
Gm06	5272463	5272777	Gmdrm	hypo	CHG	-0.9244
Gm06	5279474	5279558	Gmdrm	hypo	CHG	-0.04
Gm06	5280126	5280293	Gmdrm	hypo	CHG	-0.905
Gm06	5282651	5282993	Gmdrm	hypo	CHG	-0.1687
Gm06	5286707	5286833	Gmdrm	hypo	CHG	-0.28
Gm06	5305020	5305201	Gmdrm	hypo	CHG	-0.032
Gm06	5318506	5318701	Gmdrm	hypo	CHG	-0.2469
Gm06	5318816	5319104	Gmdrm	hypo	CHG	-0.1176
Gm06	5331635	5331757	Gmdrm	hypo	CHG	-0.7143
Gm06	5381480	5381684	Gmdrm	hypo	CHG	-0.711
Gm06	5381977	5382105	Gmdrm	hypo	CHG	-0.175
Gm06	5388123	5388384	Gmdrm	hypo	CHG	-0.0517
Gm06	5398400	5398587	Gmdrm	hypo	CHG	-0.056
Gm06	5407018	5407252	Gmdrm	hypo	CHG	-0.7794
Gm06	5410858	5411045	Gmdrm	hypo	CHG	-0.7475
Gm06	5427524	5427624	Gmdrm	hypo	CHG	-0.5888
Gm06	5427763	5427860	Gmdrm	hypo	CHG	-0.644
Gm06	5427973	5428363	Gmdrm	hypo	CHG	-0.1436
Gm06	5432002	5432263	Gmdrm	hypo	CHG	-0.1876
Gm06	5449797	5450326	Gmdrm	hypo	CHG	-0.02
Gm06	5484007	5484050	Gmdrm	hypo	CHG	-0.328
Gm06	5487799	5488080	Gmdrm	hypo	CHG	-0.052
Gm06	5508081	5508168	Gmdrm	hypo	CHG	-0.3533
Gm06	5567491	5567663	Gmdrm	hypo	CHG	-0.8633
Gm06	5568668	5568843	Gmdrm	hypo	CHG	-0.7495
Gm06	5572614	5572634	Gmdrm	hypo	CHG	-0.0984
Gm06	5572972	5573116	Gmdrm	hypo	CHG	-0.3586
Gm06	5606259	5606640	Gmdrm	hypo	CHG	-0.0425
Gm06	5632677	5632769	Gmdrm	hypo	CHG	-0.7929
Gm06	5651033	5651199	Gmdrm	hypo	CHG	-0.327
Gm06	5660241	5660299	Gmdrm	hypo	CHG	-0.656
Gm06	5660493	5660535	Gmdrm	hypo	CHG	-0.81
Gm06	5663624	5663737	Gmdrm	hypo	CHG	-0.07
Gm06	5668380	5668622	Gmdrm	hypo	CHG	-0.0772
Gm06	5676252	5676377	Gmdrm	hypo	CHG	-0.038
Gm06	5691996	5692197	Gmdrm	hypo	CHG	-0.5555
Gm06	5729346	5729592	Gmdrm	hypo	CHG	-0.0418
Gm06	5729704	5729938	Gmdrm	hypo	CHG	-0.036

Gm06	5743314	5743631	Gmdrm	hypo	CHG	-0.0417
Gm06	5744698	5744934	Gmdrm	hypo	CHG	-0.0586
Gm06	5748201	5748397	Gmdrm	hypo	CHG	-0.1639
Gm06	5788767	5789003	Gmdrm	hypo	CHG	-0.3887
Gm06	5803984	5804261	Gmdrm	hypo	CHG	-0.8427
Gm06	5804606	5804837	Gmdrm	hypo	CHG	-0.8669
Gm06	5805372	5805414	Gmdrm	hypo	CHG	-0.046
Gm06	5814646	5814879	Gmdrm	hypo	CHG	-0.1146
Gm06	5815147	5815333	Gmdrm	hypo	CHG	-0.048
Gm06	5826811	5827042	Gmdrm	hypo	CHG	-0.2211
Gm06	5869014	5869359	Gmdrm	hypo	CHG	-0.0346
Gm06	5879704	5879919	Gmdrm	hypo	CHG	-0.05
Gm06	5881274	5881397	Gmdrm	hypo	CHG	-0.054
Gm06	5925876	5926000	Gmdrm	hypo	CHG	-0.05
Gm06	5931057	5931284	Gmdrm	hypo	CHG	-0.1329
Gm06	5995856	5995918	Gmdrm	hypo	CHG	-0.0466
Gm06	5996039	5996147	Gmdrm	hypo	CHG	-0.066
Gm06	5997197	5997320	Gmdrm	hypo	CHG	-0.693
Gm06	5997562	5997633	Gmdrm	hypo	CHG	-0.0484
Gm06	6047511	6047639	Gmdrm	hypo	CHG	-0.06
Gm06	6048421	6048641	Gmdrm	hypo	CHG	-0.1233
Gm06	6059136	6059494	Gmdrm	hypo	CHG	-0.7706
Gm06	6071153	6071245	Gmdrm	hypo	CHG	-0.835
Gm06	6071966	6072286	Gmdrm	hypo	CHG	-0.0443
Gm06	6082434	6082686	Gmdrm	hypo	CHG	-0.5225
Gm06	6093486	6093618	Gmdrm	hypo	CHG	-0.6834
Gm06	6108335	6108513	Gmdrm	hypo	CHG	-0.7553
Gm06	6139695	6139733	Gmdrm	hypo	CHG	-0.162
Gm06	6166511	6166634	Gmdrm	hypo	CHG	-0.06
Gm06	6184018	6184176	Gmdrm	hypo	CHG	-0.53
Gm06	6186504	6186995	Gmdrm	hypo	CHG	-0.3025
Gm06	6263954	6264107	Gmdrm	hypo	CHG	-0.3422
Gm06	6264424	6264587	Gmdrm	hypo	CHG	-0.6787
Gm06	6267452	6267551	Gmdrm	hypo	CHG	-0.0686
Gm06	6267764	6268007	Gmdrm	hypo	CHG	-0.038
Gm06	6271509	6271617	Gmdrm	hypo	CHG	-0.1314
Gm06	6284531	6284571	Gmdrm	hypo	CHG	-0.042
Gm06	6291018	6291085	Gmdrm	hypo	CHG	-0.8488
Gm06	6296175	6296411	Gmdrm	hypo	CHG	-0.0225
Gm06	6310379	6310498	Gmdrm	hypo	CHG	-0.042
Gm06	6428988	6429010	Gmdrm	hypo	CHG	-0.8367
Gm06	6429968	6430189	Gmdrm	hypo	CHG	-0.3314
Gm06	6439554	6439946	Gmdrm	hypo	CHG	-0.2493
Gm06	6442704	6442996	Gmdrm	hypo	CHG	-0.4185
Gm06	6443101	6443209	Gmdrm	hypo	CHG	-0.482
Gm06	6453864	6454016	Gmdrm	hypo	CHG	-0.218

Gm06	6456107	6456222	Gmdrm	hypo	CHG	-0.7757
Gm06	6475981	6476086	Gmdrm	hypo	CHG	-0.354
Gm06	6477267	6478092	Gmdrm	hypo	CHG	-0.2304
Gm06	6490129	6490512	Gmdrm	hypo	CHG	-0.365
Gm06	6490680	6490822	Gmdrm	hypo	CHG	-0.54
Gm06	6504100	6504231	Gmdrm	hypo	CHG	-0.046
Gm06	6516315	6516466	Gmdrm	hypo	CHG	-0.0458
Gm06	6564886	6565036	Gmdrm	hypo	CHG	-0.5487
Gm06	6572862	6573260	Gmdrm	hypo	CHG	-0.3659
Gm06	6575150	6575353	Gmdrm	hypo	CHG	-0.2077
Gm06	6610207	6610447	Gmdrm	hypo	CHG	-0.0371
Gm06	6612823	6613082	Gmdrm	hypo	CHG	-0.2662
Gm06	6613402	6613668	Gmdrm	hypo	CHG	-0.436
Gm06	6615085	6615212	Gmdrm	hypo	CHG	-0.036
Gm06	6621576	6621952	Gmdrm	hypo	CHG	-0.3107
Gm06	6631696	6631946	Gmdrm	hypo	CHG	-0.2589
Gm06	6646806	6646839	Gmdrm	hypo	CHG	-0.2917
Gm06	6648077	6648749	Gmdrm	hypo	CHG	-0.2672
Gm06	6663683	6663948	Gmdrm	hypo	CHG	-0.204
Gm06	6677310	6677566	Gmdrm	hypo	CHG	-0.0391
Gm06	6684974	6685011	Gmdrm	hypo	CHG	-0.244
Gm06	6685393	6685621	Gmdrm	hypo	CHG	-0.3723
Gm06	6685740	6685812	Gmdrm	hypo	CHG	-0.5687
Gm06	6686092	6686218	Gmdrm	hypo	CHG	-0.59
Gm06	6705775	6706110	Gmdrm	hypo	CHG	-0.0375
Gm06	6711586	6711810	Gmdrm	hypo	CHG	-0.065
Gm06	6734661	6734753	Gmdrm	hypo	CHG	-0.4884
Gm06	6735200	6735356	Gmdrm	hypo	CHG	-0.4137
Gm06	6736320	6736475	Gmdrm	hypo	CHG	-0.2355
Gm06	6753461	6753735	Gmdrm	hypo	CHG	-0.7335
Gm06	6789674	6789754	Gmdrm	hypo	CHG	-0.822
Gm06	6791745	6792067	Gmdrm	hypo	CHG	-0.686
Gm06	6793006	6793417	Gmdrm	hypo	CHG	-0.6412
Gm06	6846759	6846993	Gmdrm	hypo	CHG	-0.7934
Gm06	6847760	6848384	Gmdrm	hypo	CHG	-0.2531
Gm06	6852589	6852843	Gmdrm	hypo	CHG	-0.7888
Gm06	6852956	6853231	Gmdrm	hypo	CHG	-0.5557
Gm06	6853760	6853862	Gmdrm	hypo	CHG	-0.406
Gm06	6854153	6854273	Gmdrm	hypo	CHG	-0.659
Gm06	6854766	6854877	Gmdrm	hypo	CHG	-0.29
Gm06	6854985	6855522	Gmdrm	hypo	CHG	-0.1875
Gm06	6872619	6872815	Gmdrm	hypo	CHG	-0.082
Gm06	6912145	6913059	Gmdrm	hypo	CHG	-0.844
Gm06	6940515	6940550	Gmdrm	hypo	CHG	-0.56
Gm06	6940680	6940811	Gmdrm	hypo	CHG	-0.1714
Gm06	6940956	6941051	Gmdrm	hypo	CHG	-0.2087

Gm06	6949785	6950323	Gmdrm	hypo	CHG	-0.4674
Gm06	6957183	6957447	Gmdrm	hypo	CHG	-0.852
Gm06	6959398	6959617	Gmdrm	hypo	CHG	-0.0367
Gm06	6964363	6964813	Gmdrm	hypo	CHG	-0.4443
Gm06	6980798	6981009	Gmdrm	hypo	CHG	-0.21
Gm06	6986419	6986469	Gmdrm	hypo	CHG	-0.1566
Gm06	7009754	7009880	Gmdrm	hypo	CHG	-0.3867
Gm06	7025776	7026114	Gmdrm	hypo	CHG	-0.6764
Gm06	7050922	7051899	Gmdrm	hypo	CHG	-0.5043
Gm06	7052155	7052195	Gmdrm	hypo	CHG	-0.04
Gm06	7054823	7054914	Gmdrm	hypo	CHG	-0.843
Gm06	7069977	7070152	Gmdrm	hypo	CHG	-0.0466
Gm06	7070255	7070775	Gmdrm	hypo	CHG	-0.5056
Gm06	7071193	7071516	Gmdrm	hypo	CHG	-0.8412
Gm06	7075665	7075695	Gmdrm	hypo	CHG	-0.1113
Gm06	7094344	7094700	Gmdrm	hypo	CHG	-0.0986
Gm06	7118871	7119196	Gmdrm	hypo	CHG	-0.0385
Gm06	7121027	7121520	Gmdrm	hypo	CHG	-0.3347
Gm06	7135929	7136083	Gmdrm	hypo	CHG	-0.044
Gm06	7173556	7173586	Gmdrm	hypo	CHG	-0.036
Gm06	7212246	7212340	Gmdrm	hypo	CHG	-0.392
Gm06	7231458	7231500	Gmdrm	hypo	CHG	-0.6284
Gm06	7248036	7248218	Gmdrm	hypo	CHG	-0.043
Gm06	7268326	7268445	Gmdrm	hypo	CHG	-0.1629
Gm06	7291516	7291579	Gmdrm	hypo	CHG	-0.042
Gm06	7296772	7297190	Gmdrm	hypo	CHG	-0.8349
Gm06	7337303	7337454	Gmdrm	hypo	CHG	-0.614
Gm06	7337659	7337704	Gmdrm	hypo	CHG	-0.6133
Gm06	7343941	7344201	Gmdrm	hypo	CHG	-0.0682
Gm06	7370202	7370245	Gmdrm	hypo	CHG	-0.062
Gm06	7370688	7370819	Gmdrm	hypo	CHG	-0.1522
Gm06	7373454	7373672	Gmdrm	hypo	CHG	-0.3041
Gm06	7374253	7374449	Gmdrm	hypo	CHG	-0.056
Gm06	7381536	7381963	Gmdrm	hypo	CHG	-0.7953
Gm06	7384685	7384824	Gmdrm	hypo	CHG	-0.128
Gm06	7384929	7384990	Gmdrm	hypo	CHG	-0.925
Gm06	7399005	7399211	Gmdrm	hypo	CHG	-0.9
Gm06	7409702	7409926	Gmdrm	hypo	CHG	-0.0533
Gm06	7429040	7429228	Gmdrm	hypo	CHG	-0.751
Gm06	7456951	7457950	Gmdrm	hypo	CHG	-0.2
Gm06	7481276	7481423	Gmdrm	hypo	CHG	-0.034
Gm06	7494119	7494369	Gmdrm	hypo	CHG	-0.7043
Gm06	7509078	7509299	Gmdrm	hypo	CHG	-0.8381
Gm06	7516833	7516928	Gmdrm	hypo	CHG	-0.68
Gm06	7522252	7522470	Gmdrm	hypo	CHG	-0.0729
Gm06	7541693	7541800	Gmdrm	hypo	CHG	-0.4

Gm06	7553906	7554328	Gmdrm	hypo	CHG	-0.041
Gm06	7564762	7564906	Gmdrm	hypo	CHG	-0.353
Gm06	7597239	7597427	Gmdrm	hypo	CHG	-0.4857
Gm06	7603059	7603507	Gmdrm	hypo	CHG	-0.0589
Gm06	7609187	7609577	Gmdrm	hypo	CHG	-0.0269
Gm06	7618409	7618548	Gmdrm	hypo	CHG	-0.8509
Gm06	7618776	7618841	Gmdrm	hypo	CHG	-0.7433
Gm06	7618957	7619071	Gmdrm	hypo	CHG	-0.835
Gm06	7619184	7619358	Gmdrm	hypo	CHG	-0.807
Gm06	7627882	7628045	Gmdrm	hypo	CHG	-0.8929
Gm06	7628305	7628355	Gmdrm	hypo	CHG	-0.9586
Gm06	7638111	7638220	Gmdrm	hypo	CHG	-0.414
Gm06	7666316	7666528	Gmdrm	hypo	CHG	-0.0238
Gm06	7670175	7670282	Gmdrm	hypo	CHG	-0.3338
Gm06	7677794	7678043	Gmdrm	hypo	CHG	-0.0633
Gm06	7692147	7692593	Gmdrm	hypo	CHG	-0.7143
Gm06	7693249	7693380	Gmdrm	hypo	CHG	-0.7615
Gm06	7693850	7693909	Gmdrm	hypo	CHG	-0.32
Gm06	7709923	7710199	Gmdrm	hypo	CHG	-0.0554
Gm06	7719794	7719914	Gmdrm	hypo	CHG	-0.0312
Gm06	7728823	7729229	Gmdrm	hypo	CHG	-0.5376
Gm06	7729341	7730329	Gmdrm	hypo	CHG	-0.6708
Gm06	7730440	7731438	Gmdrm	hypo	CHG	-0.2271
Gm06	7749537	7749576	Gmdrm	hypo	CHG	-0.736
Gm06	7749720	7749962	Gmdrm	hypo	CHG	-0.455
Gm06	7764785	7765119	Gmdrm	hypo	CHG	-0.0345
Gm06	7765231	7765358	Gmdrm	hypo	CHG	-0.7113
Gm06	7779905	7780059	Gmdrm	hypo	CHG	-0.0333
Gm06	7787824	7787899	Gmdrm	hypo	CHG	-0.064
Gm06	7804228	7804469	Gmdrm	hypo	CHG	-0.6489
Gm06	7804645	7804692	Gmdrm	hypo	CHG	-0.7334
Gm06	7804987	7805058	Gmdrm	hypo	CHG	-0.758
Gm06	7838258	7838387	Gmdrm	hypo	CHG	-0.7157
Gm06	7838488	7838595	Gmdrm	hypo	CHG	-0.7157
Gm06	7838710	7838873	Gmdrm	hypo	CHG	-0.6817
Gm06	7839024	7839143	Gmdrm	hypo	CHG	-0.724
Gm06	7851431	7851509	Gmdrm	hypo	CHG	-0.04
Gm06	7866428	7866818	Gmdrm	hypo	CHG	-0.4722
Gm06	7869241	7869515	Gmdrm	hypo	CHG	-0.3238
Gm06	7874903	7875084	Gmdrm	hypo	CHG	-0.4889
Gm06	7890183	7890381	Gmdrm	hypo	CHG	-0.07
Gm06	7908341	7908599	Gmdrm	hypo	CHG	-0.0475
Gm06	7912476	7912625	Gmdrm	hypo	CHG	-0.034
Gm06	7916432	7916503	Gmdrm	hypo	CHG	-0.76
Gm06	7939105	7939408	Gmdrm	hypo	CHG	-0.0967
Gm06	7962380	7962464	Gmdrm	hypo	CHG	-0.818

Gm06	7968143	7968346	Gmdrm	hypo	CHG	-0.3385
Gm06	7983886	7983935	Gmdrm	hypo	CHG	-0.0933
Gm06	7984096	7984299	Gmdrm	hypo	CHG	-0.1833
Gm06	7990289	7990616	Gmdrm	hypo	CHG	-0.0317
Gm06	8002961	8003170	Gmdrm	hypo	CHG	-0.4733
Gm06	8008544	8008773	Gmdrm	hypo	CHG	-0.6663
Gm06	8020280	8020512	Gmdrm	hypo	CHG	-0.5775
Gm06	8028613	8028929	Gmdrm	hypo	CHG	-0.2189
Gm06	8050302	8050423	Gmdrm	hypo	CHG	-0.466
Gm06	8050691	8051128	Gmdrm	hypo	CHG	-0.1716
Gm06	8056759	8056982	Gmdrm	hypo	CHG	-0.6053
Gm06	8057233	8057382	Gmdrm	hypo	CHG	-0.5917
Gm06	8067124	8067283	Gmdrm	hypo	CHG	-0.6183
Gm06	8067416	8067846	Gmdrm	hypo	CHG	-0.4991
Gm06	8068130	8068454	Gmdrm	hypo	CHG	-0.4284
Gm06	8083306	8083490	Gmdrm	hypo	CHG	-0.082
Gm06	8094866	8095191	Gmdrm	hypo	CHG	-0.8254
Gm06	8101392	8101500	Gmdrm	hypo	CHG	-0.645
Gm06	8122815	8123018	Gmdrm	hypo	CHG	-0.0327
Gm06	8134725	8135013	Gmdrm	hypo	CHG	-0.4869
Gm06	8144452	8144636	Gmdrm	hypo	CHG	-0.46
Gm06	8168371	8168569	Gmdrm	hypo	CHG	-0.272
Gm06	8169457	8169669	Gmdrm	hypo	CHG	-0.3574
Gm06	8169907	8169942	Gmdrm	hypo	CHG	-0.66
Gm06	8171904	8172148	Gmdrm	hypo	CHG	-0.0471
Gm06	8183209	8183343	Gmdrm	hypo	CHG	-0.042
Gm06	8186250	8186516	Gmdrm	hypo	CHG	-0.1169
Gm06	8187452	8187481	Gmdrm	hypo	CHG	-0.2067
Gm06	8197312	8197816	Gmdrm	hypo	CHG	-0.4774
Gm06	8199028	8199071	Gmdrm	hypo	CHG	-0.2217
Gm06	8200796	8200877	Gmdrm	hypo	CHG	-0.5243
Gm06	8215194	8215398	Gmdrm	hypo	CHG	-0.14
Gm06	8294499	8294558	Gmdrm	hypo	CHG	-0.512
Gm06	8294827	8294909	Gmdrm	hypo	CHG	-0.6863
Gm06	8335383	8335592	Gmdrm	hypo	CHG	-0.8241
Gm06	8335899	8336101	Gmdrm	hypo	CHG	-0.832
Gm06	8341307	8341679	Gmdrm	hypo	CHG	-0.4143
Gm06	8342059	8342343	Gmdrm	hypo	CHG	-0.5413
Gm06	8400959	8401052	Gmdrm	hypo	CHG	-0.55
Gm06	8407882	8408077	Gmdrm	hypo	CHG	-0.0429
Gm06	8409830	8409873	Gmdrm	hypo	CHG	-0.262
Gm06	8429925	8430307	Gmdrm	hypo	CHG	-0.6806
Gm06	8447331	8447617	Gmdrm	hypo	CHG	-0.0682
Gm06	8454061	8454287	Gmdrm	hypo	CHG	-0.0617
Gm06	8475115	8475533	Gmdrm	hypo	CHG	-0.4291
Gm06	8480758	8481031	Gmdrm	hypo	CHG	-0.5667

Gm06	8490216	8490310	Gmdrm	hypo	CHG	-0.4533
Gm06	8527107	8527666	Gmdrm	hypo	CHG	-0.2619
Gm06	8530403	8530587	Gmdrm	hypo	CHG	-0.2687
Gm06	8540529	8540701	Gmdrm	hypo	CHG	-0.052
Gm06	8544656	8544910	Gmdrm	hypo	CHG	-0.2886
Gm06	8552507	8552664	Gmdrm	hypo	CHG	-0.5225
Gm06	8552793	8552929	Gmdrm	hypo	CHG	-0.5875
Gm06	8557728	8557986	Gmdrm	hypo	CHG	-0.084
Gm06	8583699	8583776	Gmdrm	hypo	CHG	-0.825
Gm06	8592572	8592721	Gmdrm	hypo	CHG	-0.7583
Gm06	8593090	8593167	Gmdrm	hypo	CHG	-0.9237
Gm06	8593316	8593799	Gmdrm	hypo	CHG	-0.3937
Gm06	8598134	8598291	Gmdrm	hypo	CHG	-0.3637
Gm06	8598397	8598501	Gmdrm	hypo	CHG	-0.475
Gm06	8619362	8619562	Gmdrm	hypo	CHG	-0.7223
Gm06	8619683	8619870	Gmdrm	hypo	CHG	-0.4375
Gm06	8624987	8625334	Gmdrm	hypo	CHG	-0.5767
Gm06	8643998	8644327	Gmdrm	hypo	CHG	-0.0355
Gm06	8651130	8651268	Gmdrm	hypo	CHG	-0.0767
Gm06	8651750	8651870	Gmdrm	hypo	CHG	-0.6385
Gm06	8652312	8652437	Gmdrm	hypo	CHG	-0.532
Gm06	8669812	8670056	Gmdrm	hypo	CHG	-0.365
Gm06	8670431	8670658	Gmdrm	hypo	CHG	-0.2008
Gm06	8672208	8673078	Gmdrm	hypo	CHG	-0.4607
Gm06	8693045	8693112	Gmdrm	hypo	CHG	-0.5934
Gm06	8694138	8694285	Gmdrm	hypo	CHG	-0.68
Gm06	8711855	8712071	Gmdrm	hypo	CHG	-0.172
Gm06	8713977	8714033	Gmdrm	hypo	CHG	-0.8037
Gm06	8729158	8729236	Gmdrm	hypo	CHG	-0.826
Gm06	8741222	8741398	Gmdrm	hypo	CHG	-0.6179
Gm06	8746503	8747152	Gmdrm	hypo	CHG	-0.2445
Gm06	8755094	8755316	Gmdrm	hypo	CHG	-0.425
Gm06	8760363	8760619	Gmdrm	hypo	CHG	-0.0371
Gm06	8787016	8787184	Gmdrm	hypo	CHG	-0.6856
Gm06	8797462	8797631	Gmdrm	hypo	CHG	-0.086
Gm06	8840980	8841480	Gmdrm	hypo	CHG	-0.0372
Gm06	8858142	8858408	Gmdrm	hypo	CHG	-0.5893
Gm06	8887244	8887284	Gmdrm	hypo	CHG	-0.5725
Gm06	8890954	8890985	Gmdrm	hypo	CHG	-0.6572
Gm06	8896072	8896278	Gmdrm	hypo	CHG	-0.31
Gm06	8896941	8897278	Gmdrm	hypo	CHG	-0.0529
Gm06	8904418	8904512	Gmdrm	hypo	CHG	-0.055
Gm06	8929395	8929551	Gmdrm	hypo	CHG	-0.417
Gm06	8939206	8940008	Gmdrm	hypo	CHG	-0.4611
Gm06	8944442	8944505	Gmdrm	hypo	CHG	-0.042
Gm06	8963980	8964160	Gmdrm	hypo	CHG	-0.038

Gm06	8985131	8985295	Gmdrm	hypo	CHG	-0.4377
Gm06	8998979	8999084	Gmdrm	hypo	CHG	-0.385
Gm06	8999204	8999309	Gmdrm	hypo	CHG	-0.1233
Gm06	9005878	9006080	Gmdrm	hypo	CHG	-0.0329
Gm06	9011412	9011578	Gmdrm	hypo	CHG	-0.052
Gm06	9052850	9052900	Gmdrm	hypo	CHG	-0.6317
Gm06	9056407	9056494	Gmdrm	hypo	CHG	-0.1628
Gm06	9059444	9059546	Gmdrm	hypo	CHG	-0.6473
Gm06	9073282	9073546	Gmdrm	hypo	CHG	-0.0379
Gm06	9090935	9091073	Gmdrm	hypo	CHG	-0.1642
Gm06	9096133	9096258	Gmdrm	hypo	CHG	-0.0467
Gm06	9100582	9100875	Gmdrm	hypo	CHG	-0.5253
Gm06	9119080	9119733	Gmdrm	hypo	CHG	-0.7556
Gm06	9119849	9120083	Gmdrm	hypo	CHG	-0.6966
Gm06	9121162	9121245	Gmdrm	hypo	CHG	-0.1
Gm06	9138325	9138361	Gmdrm	hypo	CHG	-0.614
Gm06	9139198	9139445	Gmdrm	hypo	CHG	-0.8169
Gm06	9187584	9187869	Gmdrm	hypo	CHG	-0.053
Gm06	9191911	9192016	Gmdrm	hypo	CHG	-0.028
Gm06	9216034	9216169	Gmdrm	hypo	CHG	-0.86
Gm06	9225278	9225538	Gmdrm	hypo	CHG	-0.738
Gm06	9225947	9226076	Gmdrm	hypo	CHG	-0.0886
Gm06	9226605	9226704	Gmdrm	hypo	CHG	-0.8663
Gm06	9254670	9254907	Gmdrm	hypo	CHG	-0.1937
Gm06	9279090	9279156	Gmdrm	hypo	CHG	-0.196
Gm06	9285853	9286310	Gmdrm	hypo	CHG	-0.4133
Gm06	9294777	9294831	Gmdrm	hypo	CHG	-0.142
Gm06	9303840	9304081	Gmdrm	hypo	CHG	-0.3633
Gm06	9304196	9304365	Gmdrm	hypo	CHG	-0.1133
Gm06	9318998	9319236	Gmdrm	hypo	CHG	-0.9388
Gm06	9321048	9321208	Gmdrm	hypo	CHG	-0.4157
Gm06	9335901	9335946	Gmdrm	hypo	CHG	-0.565
Gm06	9375297	9375441	Gmdrm	hypo	CHG	-0.7116
Gm06	9375562	9375607	Gmdrm	hypo	CHG	-0.7
Gm06	9417804	9418069	Gmdrm	hypo	CHG	-0.0617
Gm06	9422280	9422928	Gmdrm	hypo	CHG	-0.5907
Gm06	9436915	9437194	Gmdrm	hypo	CHG	-0.48
Gm06	9439509	9439795	Gmdrm	hypo	CHG	-0.417
Gm06	9456413	9456650	Gmdrm	hypo	CHG	-0.0271
Gm06	9472590	9472611	Gmdrm	hypo	CHG	-0.816
Gm06	9493357	9493510	Gmdrm	hypo	CHG	-0.6245
Gm06	9493773	9493931	Gmdrm	hypo	CHG	-0.3677
Gm06	9504516	9504665	Gmdrm	hypo	CHG	-0.6867
Gm06	9504860	9504981	Gmdrm	hypo	CHG	-0.568
Gm06	9512913	9513163	Gmdrm	hypo	CHG	-0.0467
Gm06	9517056	9517153	Gmdrm	hypo	CHG	-0.865

Gm06	9539127	9539241	Gmdrm	hypo	CHG	-0.7366
Gm06	9541561	9541597	Gmdrm	hypo	CHG	-0.3483
Gm06	9587469	9587843	Gmdrm	hypo	CHG	-0.0537
Gm06	9591797	9591837	Gmdrm	hypo	CHG	-0.0714
Gm06	9624196	9624613	Gmdrm	hypo	CHG	-0.3206
Gm06	9662778	9663154	Gmdrm	hypo	CHG	-0.8346
Gm06	9667303	9667424	Gmdrm	hypo	CHG	-0.859
Gm06	9667686	9667802	Gmdrm	hypo	CHG	-0.8125
Gm06	9678159	9678358	Gmdrm	hypo	CHG	-0.064
Gm06	9690309	9690451	Gmdrm	hypo	CHG	-0.055
Gm06	9704632	9704678	Gmdrm	hypo	CHG	-0.2966
Gm06	9726444	9726455	Gmdrm	hypo	CHG	-0.0413
Gm06	9729275	9729507	Gmdrm	hypo	CHG	-0.04
Gm06	9739339	9739527	Gmdrm	hypo	CHG	-0.0363
Gm06	9753778	9754320	Gmdrm	hypo	CHG	-0.0418
Gm06	9768679	9768990	Gmdrm	hypo	CHG	-0.3215
Gm06	9769263	9769401	Gmdrm	hypo	CHG	-0.4911
Gm06	9770351	9770470	Gmdrm	hypo	CHG	-0.2743
Gm06	9770598	9770916	Gmdrm	hypo	CHG	-0.8808
Gm06	9771258	9771636	Gmdrm	hypo	CHG	-0.7247
Gm06	9788743	9789012	Gmdrm	hypo	CHG	-0.7969
Gm06	9811558	9811597	Gmdrm	hypo	CHG	-0.2333
Gm06	9840454	9840934	Gmdrm	hypo	CHG	-0.2854
Gm06	9864677	9864790	Gmdrm	hypo	CHG	-0.0289
Gm06	9873562	9873715	Gmdrm	hypo	CHG	-0.4183
Gm06	9911130	9911389	Gmdrm	hypo	CHG	-0.3789
Gm06	9920676	9920840	Gmdrm	hypo	CHG	-0.5389
Gm06	9920959	9921034	Gmdrm	hypo	CHG	-0.5
Gm06	9922098	9922259	Gmdrm	hypo	CHG	-0.5955
Gm06	9922418	9922501	Gmdrm	hypo	CHG	-0.0983
Gm06	9928212	9929123	Gmdrm	hypo	CHG	-0.1828
Gm06	9945791	9945914	Gmdrm	hypo	CHG	-0.4311
Gm06	9946041	9946181	Gmdrm	hypo	CHG	-0.3344
Gm06	9976524	9976785	Gmdrm	hypo	CHG	-0.0367
Gm06	9980461	9980820	Gmdrm	hypo	CHG	-0.8656
Gm06	9995316	9995435	Gmdrm	hypo	CHG	-0.042
Gm06	10016466	10016750	Gmdrm	hypo	CHG	-0.7577
Gm06	10016921	10017000	Gmdrm	hypo	CHG	-0.8213
Gm06	10024705	10024866	Gmdrm	hypo	CHG	-0.1922
Gm06	10025540	10025685	Gmdrm	hypo	CHG	-0.7165
Gm06	10053582	10054018	Gmdrm	hypo	CHG	-0.3071
Gm06	10058524	10058644	Gmdrm	hypo	CHG	-0.036
Gm06	10078214	10079045	Gmdrm	hypo	CHG	-0.3024
Gm06	10081100	10082086	Gmdrm	hypo	CHG	-0.2488
Gm06	10082140	10082209	Gmdrm	hypo	CHG	-0.7216
Gm06	10105019	10105525	Gmdrm	hypo	CHG	-0.0316

Gm06	10107922	10108005	Gmdrm	hypo	CHG	-0.325
Gm06	10108112	10108256	Gmdrm	hypo	CHG	-0.3923
Gm06	10108414	10108440	Gmdrm	hypo	CHG	-0.78
Gm06	10112692	10112866	Gmdrm	hypo	CHG	-0.2744
Gm06	10122767	10122810	Gmdrm	hypo	CHG	-0.436
Gm06	10123251	10123499	Gmdrm	hypo	CHG	-0.5157
Gm06	10123629	10123780	Gmdrm	hypo	CHG	-0.44
Gm06	10162223	10162450	Gmdrm	hypo	CHG	-0.63
Gm06	10168396	10168622	Gmdrm	hypo	CHG	-0.0617
Gm06	10185617	10185690	Gmdrm	hypo	CHG	-0.555
Gm06	10186404	10186469	Gmdrm	hypo	CHG	-0.598
Gm06	10190517	10190789	Gmdrm	hypo	CHG	-0.2263
Gm06	10195437	10195611	Gmdrm	hypo	CHG	-0.087
Gm06	10196696	10196973	Gmdrm	hypo	CHG	-0.4639
Gm06	10209560	10209749	Gmdrm	hypo	CHG	-0.0633
Gm06	10214153	10214448	Gmdrm	hypo	CHG	-0.56
Gm06	10214666	10214887	Gmdrm	hypo	CHG	-0.4513
Gm06	10215046	10215451	Gmdrm	hypo	CHG	-0.1483
Gm06	10221244	10221405	Gmdrm	hypo	CHG	-0.3409
Gm06	10221517	10221639	Gmdrm	hypo	CHG	-0.315
Gm06	10224226	10224428	Gmdrm	hypo	CHG	-0.069
Gm06	10231441	10231473	Gmdrm	hypo	CHG	-0.302
Gm06	10238736	10239017	Gmdrm	hypo	CHG	-0.2481
Gm06	10249437	10249606	Gmdrm	hypo	CHG	-0.7943
Gm06	10251728	10251994	Gmdrm	hypo	CHG	-0.46
Gm06	10252240	10252314	Gmdrm	hypo	CHG	-0.325
Gm06	10252587	10252713	Gmdrm	hypo	CHG	-0.5226
Gm06	10275616	10275743	Gmdrm	hypo	CHG	-0.485
Gm06	10276165	10276419	Gmdrm	hypo	CHG	-0.5085
Gm06	10280376	10280607	Gmdrm	hypo	CHG	-0.1044
Gm06	10288850	10288933	Gmdrm	hypo	CHG	-0.64
Gm06	10311292	10311473	Gmdrm	hypo	CHG	-0.2039
Gm06	10352215	10352346	Gmdrm	hypo	CHG	-0.812
Gm06	10355067	10355487	Gmdrm	hypo	CHG	-0.8056
Gm06	10355656	10355852	Gmdrm	hypo	CHG	-0.782
Gm06	10356438	10356661	Gmdrm	hypo	CHG	-0.8654
Gm06	10359110	10359262	Gmdrm	hypo	CHG	-0.3315
Gm06	10359606	10359682	Gmdrm	hypo	CHG	-0.9117
Gm06	10372356	10372655	Gmdrm	hypo	CHG	-0.058
Gm06	10423225	10423364	Gmdrm	hypo	CHG	-0.7357
Gm06	10429956	10430164	Gmdrm	hypo	CHG	-0.05
Gm06	10448274	10448504	Gmdrm	hypo	CHG	-0.074
Gm06	10474628	10474763	Gmdrm	hypo	CHG	-0.04
Gm06	10480552	10480726	Gmdrm	hypo	CHG	-0.5144
Gm06	10488110	10488307	Gmdrm	hypo	CHG	-0.036
Gm06	10491867	10492122	Gmdrm	hypo	CHG	-0.71

Gm06	10492229	10492540	Gmdrm	hypo	CHG	-0.1335
Gm06	10492702	10492939	Gmdrm	hypo	CHG	-0.583
Gm06	10506842	10506958	Gmdrm	hypo	CHG	-0.6714
Gm06	10507380	10507594	Gmdrm	hypo	CHG	-0.03
Gm06	10509004	10509312	Gmdrm	hypo	CHG	-0.065
Gm06	10513958	10514031	Gmdrm	hypo	CHG	-0.62
Gm06	10538457	10538676	Gmdrm	hypo	CHG	-0.0571
Gm06	10557845	10558175	Gmdrm	hypo	CHG	-0.04
Gm06	10563589	10563829	Gmdrm	hypo	CHG	-0.046
Gm06	10622071	10622228	Gmdrm	hypo	CHG	-0.5444
Gm06	10623433	10623579	Gmdrm	hypo	CHG	-0.4051
Gm06	10627359	10627538	Gmdrm	hypo	CHG	-0.559
Gm06	10637375	10637538	Gmdrm	hypo	CHG	-0.6783
Gm06	10637653	10637732	Gmdrm	hypo	CHG	-0.6067
Gm06	10645958	10646163	Gmdrm	hypo	CHG	-0.0517
Gm06	10667170	10667463	Gmdrm	hypo	CHG	-0.378
Gm06	10667580	10667859	Gmdrm	hypo	CHG	-0.776
Gm06	10667960	10668267	Gmdrm	hypo	CHG	-0.7336
Gm06	10668408	10668472	Gmdrm	hypo	CHG	-0.3384
Gm06	10674914	10675078	Gmdrm	hypo	CHG	-0.055
Gm06	10681880	10682050	Gmdrm	hypo	CHG	-0.026
Gm06	10685221	10685512	Gmdrm	hypo	CHG	-0.7384
Gm06	10736328	10736487	Gmdrm	hypo	CHG	-0.0483
Gm06	10739823	10740208	Gmdrm	hypo	CHG	-0.049
Gm06	10763113	10763313	Gmdrm	hypo	CHG	-0.9142
Gm06	10808330	10808926	Gmdrm	hypo	CHG	-0.6128
Gm06	10809430	10809893	Gmdrm	hypo	CHG	-0.805
Gm06	10824106	10824219	Gmdrm	hypo	CHG	-0.385
Gm06	10824492	10824578	Gmdrm	hypo	CHG	-0.1616
Gm06	10832372	10832733	Gmdrm	hypo	CHG	-0.5931
Gm06	10834384	10834589	Gmdrm	hypo	CHG	-0.2817
Gm06	10839251	10839504	Gmdrm	hypo	CHG	-0.04
Gm06	10845072	10845459	Gmdrm	hypo	CHG	-0.8276
Gm06	10865579	10865598	Gmdrm	hypo	CHG	-0.0455
Gm06	10897700	10897779	Gmdrm	hypo	CHG	-0.1283
Gm06	10902365	10902544	Gmdrm	hypo	CHG	-0.78
Gm06	10985452	10985510	Gmdrm	hypo	CHG	-0.744
Gm06	10985676	10986058	Gmdrm	hypo	CHG	-0.7622
Gm06	11020021	11020657	Gmdrm	hypo	CHG	-0.454
Gm06	11027139	11027187	Gmdrm	hypo	CHG	-0.61
Gm06	11037806	11037916	Gmdrm	hypo	CHG	-0.672
Gm06	11066970	11067097	Gmdrm	hypo	CHG	-0.7057
Gm06	11067832	11068147	Gmdrm	hypo	CHG	-0.7217
Gm06	11074170	11074260	Gmdrm	hypo	CHG	-0.324
Gm06	11074566	11075260	Gmdrm	hypo	CHG	-0.2113
Gm06	11075404	11075570	Gmdrm	hypo	CHG	-0.1208

Gm06	11076834	11076964	Gmdrm	hypo	CHG	-0.815
Gm06	11077397	11077566	Gmdrm	hypo	CHG	-0.3217
Gm06	11083884	11084098	Gmdrm	hypo	CHG	-0.034
Gm06	11109916	11109965	Gmdrm	hypo	CHG	-0.824
Gm06	11110071	11110200	Gmdrm	hypo	CHG	-0.8425
Gm06	11114442	11114807	Gmdrm	hypo	CHG	-0.0474
Gm06	11134015	11134339	Gmdrm	hypo	CHG	-0.2247
Gm06	11200736	11200873	Gmdrm	hypo	CHG	-0.0267
Gm06	11232462	11233264	Gmdrm	hypo	CHG	-0.7128
Gm06	11233504	11233716	Gmdrm	hypo	CHG	-0.477
Gm06	11239303	11239516	Gmdrm	hypo	CHG	-0.51
Gm06	11243447	11243513	Gmdrm	hypo	CHG	-0.096
Gm06	11243754	11243981	Gmdrm	hypo	CHG	-0.0529
Gm06	11267036	11267212	Gmdrm	hypo	CHG	-0.5184
Gm06	11271899	11271959	Gmdrm	hypo	CHG	-0.2257
Gm06	11306965	11307059	Gmdrm	hypo	CHG	-0.3487
Gm06	11311863	11312067	Gmdrm	hypo	CHG	-0.0482
Gm06	11312175	11312516	Gmdrm	hypo	CHG	-0.6353
Gm06	11312631	11312871	Gmdrm	hypo	CHG	-0.681
Gm06	11320828	11320936	Gmdrm	hypo	CHG	-0.14
Gm06	11365018	11365402	Gmdrm	hypo	CHG	-0.694
Gm06	11389215	11389390	Gmdrm	hypo	CHG	-0.696
Gm06	11389849	11390214	Gmdrm	hypo	CHG	-0.7367
Gm06	11390324	11390425	Gmdrm	hypo	CHG	-0.6082
Gm06	11396616	11396814	Gmdrm	hypo	CHG	-0.0388
Gm06	11458307	11458479	Gmdrm	hypo	CHG	-0.3584
Gm06	11480366	11480598	Gmdrm	hypo	CHG	-0.582
Gm06	11481286	11481559	Gmdrm	hypo	CHG	-0.8789
Gm06	11484427	11484624	Gmdrm	hypo	CHG	-0.0372
Gm06	11521695	11522005	Gmdrm	hypo	CHG	-0.1872
Gm06	11579938	11580288	Gmdrm	hypo	CHG	-0.6948
Gm06	11584620	11585079	Gmdrm	hypo	CHG	-0.045
Gm06	11594253	11594419	Gmdrm	hypo	CHG	-0.5634
Gm06	11595627	11595692	Gmdrm	hypo	CHG	-0.5517
Gm06	11595952	11596020	Gmdrm	hypo	CHG	-0.49
Gm06	11596345	11596560	Gmdrm	hypo	CHG	-0.67
Gm06	11616738	11617013	Gmdrm	hypo	CHG	-0.0237
Gm06	11625275	11625450	Gmdrm	hypo	CHG	-0.0386
Gm06	11636908	11637142	Gmdrm	hypo	CHG	-0.0767
Gm06	11643542	11643680	Gmdrm	hypo	CHG	-0.0628
Gm06	11667020	11667237	Gmdrm	hypo	CHG	-0.042
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Gm06	11688281	11688568	Gmdrm	hypo	CHG	-0.2007
Gm06	11710691	11710769	Gmdrm	hypo	CHG	-0.7557
Gm06	11721151	11721206	Gmdrm	hypo	CHG	-0.1467
Gm06	11769245	11769661	Gmdrm	hypo	CHG	-0.0527

Gm06	11771332	11771503	Gmdrm	hypo	CHG	-0.7966
Gm06	11771976	11772137	Gmdrm	hypo	CHG	-0.6977
Gm06	11774827	11774963	Gmdrm	hypo	CHG	-0.04
Gm06	11782499	11782576	Gmdrm	hypo	CHG	-0.4817
Gm06	11802731	11802863	Gmdrm	hypo	CHG	-0.0317
Gm06	11808174	11808256	Gmdrm	hypo	CHG	-0.64
Gm06	11808544	11808949	Gmdrm	hypo	CHG	-0.4923
Gm06	11809655	11809916	Gmdrm	hypo	CHG	-0.4686
Gm06	11810158	11810288	Gmdrm	hypo	CHG	-0.082
Gm06	11811652	11812126	Gmdrm	hypo	CHG	-0.4135
Gm06	11816237	11816457	Gmdrm	hypo	CHG	-0.93
Gm06	11825745	11826174	Gmdrm	hypo	CHG	-0.4563
Gm06	11854944	11855237	Gmdrm	hypo	CHG	-0.363
Gm06	11855367	11855449	Gmdrm	hypo	CHG	-0.264
Gm06	11861489	11861605	Gmdrm	hypo	CHG	-0.6833
Gm06	11871765	11871951	Gmdrm	hypo	CHG	-0.0325
Gm06	11913959	11914124	Gmdrm	hypo	CHG	-0.06
Gm06	11954024	11954113	Gmdrm	hypo	CHG	-0.2322
Gm06	11970984	11971191	Gmdrm	hypo	CHG	-0.1677
Gm06	11972057	11972244	Gmdrm	hypo	CHG	-0.4211
Gm06	11976122	11976240	Gmdrm	hypo	CHG	-0.343
Gm06	11976423	11976632	Gmdrm	hypo	CHG	-0.7106
Gm06	11978054	11978165	Gmdrm	hypo	CHG	-0.41
Gm06	11980790	11980912	Gmdrm	hypo	CHG	-0.0969
Gm06	11994810	11995086	Gmdrm	hypo	CHG	-0.795
Gm06	11998795	11999030	Gmdrm	hypo	CHG	-0.4858
Gm06	12013677	12013988	Gmdrm	hypo	CHG	-0.7685
Gm06	12043875	12044109	Gmdrm	hypo	CHG	-0.7522
Gm06	12046668	12046769	Gmdrm	hypo	CHG	-0.542
Gm06	12066386	12066530	Gmdrm	hypo	CHG	-0.6766
Gm06	12066656	12066864	Gmdrm	hypo	CHG	-0.584
Gm06	12079909	12079968	Gmdrm	hypo	CHG	-0.3542
Gm06	12080123	12080348	Gmdrm	hypo	CHG	-0.3859
Gm06	12086954	12087147	Gmdrm	hypo	CHG	-0.7967
Gm06	12087252	12087663	Gmdrm	hypo	CHG	-0.3014
Gm06	12096957	12097132	Gmdrm	hypo	CHG	-0.2437
Gm06	12109257	12109484	Gmdrm	hypo	CHG	-0.0513
Gm06	12118337	12118530	Gmdrm	hypo	CHG	-0.36
Gm06	12146571	12146933	Gmdrm	hypo	CHG	-0.06
Gm06	12152613	12152872	Gmdrm	hypo	CHG	-0.9084
Gm06	12172976	12173091	Gmdrm	hypo	CHG	-0.095
Gm06	12187336	12187762	Gmdrm	hypo	CHG	-0.3314
Gm06	12195135	12195294	Gmdrm	hypo	CHG	-0.044
Gm06	12199556	12199802	Gmdrm	hypo	CHG	-0.3893
Gm06	12232781	12233374	Gmdrm	hypo	CHG	-0.6157
Gm06	12233887	12233980	Gmdrm	hypo	CHG	-0.6617

Gm06	12248895	12248983	Gmdrm	hypo	CHG	-0.0684
Gm06	12254628	12255005	Gmdrm	hypo	CHG	-0.6828
Gm06	12309602	12309933	Gmdrm	hypo	CHG	-0.7494
Gm06	12313654	12313847	Gmdrm	hypo	CHG	-0.6936
Gm06	12314398	12314692	Gmdrm	hypo	CHG	-0.875
Gm06	12343529	12343609	Gmdrm	hypo	CHG	-0.82
Gm06	12343730	12344104	Gmdrm	hypo	CHG	-0.3147
Gm06	12344403	12344437	Gmdrm	hypo	CHG	-0.388
Gm06	12346548	12346962	Gmdrm	hypo	CHG	-0.4036
Gm06	12347063	12347624	Gmdrm	hypo	CHG	-0.1962
Gm06	12350013	12350085	Gmdrm	hypo	CHG	-0.04
Gm06	12358903	12358946	Gmdrm	hypo	CHG	-0.596
Gm06	12359061	12359233	Gmdrm	hypo	CHG	-0.6964
Gm06	12360057	12360133	Gmdrm	hypo	CHG	-0.5657
Gm06	12382763	12383118	Gmdrm	hypo	CHG	-0.0525
Gm06	12397879	12398591	Gmdrm	hypo	CHG	-0.2269
Gm06	12407463	12407732	Gmdrm	hypo	CHG	-0.226
Gm06	12412002	12412428	Gmdrm	hypo	CHG	-0.3353
Gm06	12412727	12412813	Gmdrm	hypo	CHG	-0.8883
Gm06	12414444	12415348	Gmdrm	hypo	CHG	-0.1466
Gm06	12433338	12433586	Gmdrm	hypo	CHG	-0.6555
Gm06	12445260	12445381	Gmdrm	hypo	CHG	-0.82
Gm06	12445704	12445781	Gmdrm	hypo	CHG	-0.8286
Gm06	12449224	12449522	Gmdrm	hypo	CHG	-0.7656
Gm06	12456583	12456679	Gmdrm	hypo	CHG	-0.6212
Gm06	12459506	12459594	Gmdrm	hypo	CHG	-0.5
Gm06	12481403	12481665	Gmdrm	hypo	CHG	-0.0517
Gm06	12544390	12544689	Gmdrm	hypo	CHG	-0.6833
Gm06	12545687	12546014	Gmdrm	hypo	CHG	-0.5584
Gm06	12546185	12546565	Gmdrm	hypo	CHG	-0.42
Gm06	12549160	12549215	Gmdrm	hypo	CHG	-0.6933
Gm06	12551312	12551341	Gmdrm	hypo	CHG	-0.7
Gm06	12553196	12553327	Gmdrm	hypo	CHG	-0.679
Gm06	12553440	12553570	Gmdrm	hypo	CHG	-0.67
Gm06	12571630	12571673	Gmdrm	hypo	CHG	-0.3683
Gm06	12572869	12573400	Gmdrm	hypo	CHG	-0.1314
Gm06	12639738	12639777	Gmdrm	hypo	CHG	-0.048
Gm06	12642567	12642827	Gmdrm	hypo	CHG	-0.03
Gm06	12656202	12656335	Gmdrm	hypo	CHG	-0.5075
Gm06	12661383	12661466	Gmdrm	hypo	CHG	-0.9071
Gm06	12661708	12662004	Gmdrm	hypo	CHG	-0.9029
Gm06	12662166	12662372	Gmdrm	hypo	CHG	-0.616
Gm06	12678957	12679912	Gmdrm	hypo	CHG	-0.2274
Gm06	12679980	12680295	Gmdrm	hypo	CHG	-0.272
Gm06	12687424	12688126	Gmdrm	hypo	CHG	-0.1962
Gm06	12688319	12688525	Gmdrm	hypo	CHG	-0.0757

Gm06	12692268	12692689	Gmdrm	hypo	CHG	-0.0805
Gm06	12692862	12693400	Gmdrm	hypo	CHG	-0.2897
Gm06	12693524	12694510	Gmdrm	hypo	CHG	-0.2617
Gm06	12695053	12696029	Gmdrm	hypo	CHG	-0.1943
Gm06	12696058	12696947	Gmdrm	hypo	CHG	-0.2074
Gm06	12699687	12700680	Gmdrm	hypo	CHG	-0.223
Gm06	12700744	12701092	Gmdrm	hypo	CHG	-0.3995
Gm06	12701205	12702184	Gmdrm	hypo	CHG	-0.5039
Gm06	12704747	12705709	Gmdrm	hypo	CHG	-0.2877
Gm06	12708537	12708640	Gmdrm	hypo	CHG	-0.068
Gm06	12718566	12718930	Gmdrm	hypo	CHG	-0.0738
Gm06	12736268	12737147	Gmdrm	hypo	CHG	-0.1263
Gm06	12739389	12740389	Gmdrm	hypo	CHG	-0.3416
Gm06	12740390	12741217	Gmdrm	hypo	CHG	-0.1221
Gm06	12753535	12753643	Gmdrm	hypo	CHG	-0.035
Gm06	12782116	12782195	Gmdrm	hypo	CHG	-0.298
Gm06	12790416	12790480	Gmdrm	hypo	CHG	-0.0483
Gm06	12790959	12791372	Gmdrm	hypo	CHG	-0.0293
Gm06	12799377	12799583	Gmdrm	hypo	CHG	-0.3958
Gm06	12815890	12815927	Gmdrm	hypo	CHG	-0.83
Gm06	12816060	12816142	Gmdrm	hypo	CHG	-0.9183
Gm06	12850295	12850668	Gmdrm	hypo	CHG	-0.3759
Gm06	12853320	12853454	Gmdrm	hypo	CHG	-0.4743
Gm06	12853597	12853781	Gmdrm	hypo	CHG	-0.048
Gm06	12890298	12890333	Gmdrm	hypo	CHG	-0.11
Gm06	12896581	12896596	Gmdrm	hypo	CHG	-0.05
Gm06	12972501	12972733	Gmdrm	hypo	CHG	-0.5057
Gm06	12983747	12983819	Gmdrm	hypo	CHG	-0.038
Gm06	12985899	12986033	Gmdrm	hypo	CHG	-0.324
Gm06	12986351	12986538	Gmdrm	hypo	CHG	-0.0534
Gm06	12987461	12987643	Gmdrm	hypo	CHG	-0.3091
Gm06	12999427	12999733	Gmdrm	hypo	CHG	-0.0362
Gm06	13012243	13012492	Gmdrm	hypo	CHG	-0.3367
Gm06	13023256	13023450	Gmdrm	hypo	CHG	-0.6783
Gm06	13028466	13028568	Gmdrm	hypo	CHG	-0.2654
Gm06	13028705	13029364	Gmdrm	hypo	CHG	-0.1553
Gm06	13031744	13031962	Gmdrm	hypo	CHG	-0.2775
Gm06	13039237	13039340	Gmdrm	hypo	CHG	-0.446
Gm06	13052383	13052491	Gmdrm	hypo	CHG	-0.048
Gm06	13064161	13064418	Gmdrm	hypo	CHG	-0.811
Gm06	13064630	13064742	Gmdrm	hypo	CHG	-0.614
Gm06	13075070	13075198	Gmdrm	hypo	CHG	-0.252
Gm06	13076116	13076674	Gmdrm	hypo	CHG	-0.4422
Gm06	13097357	13097403	Gmdrm	hypo	CHG	-0.0484
Gm06	13116197	13116589	Gmdrm	hypo	CHG	-0.4556
Gm06	13116700	13116871	Gmdrm	hypo	CHG	-0.3441

Gm06	13117057	13117170	Gmdrm	hypo	CHG	-0.1817
Gm06	13117282	13117664	Gmdrm	hypo	CHG	-0.2687
Gm06	13118401	13118809	Gmdrm	hypo	CHG	-0.4756
Gm06	13120477	13120974	Gmdrm	hypo	CHG	-0.5855
Gm06	13123519	13124007	Gmdrm	hypo	CHG	-0.1428
Gm06	13143295	13144032	Gmdrm	hypo	CHG	-0.4538
Gm06	13161457	13161563	Gmdrm	hypo	CHG	-0.24
Gm06	13161684	13162178	Gmdrm	hypo	CHG	-0.4984
Gm06	13170690	13170812	Gmdrm	hypo	CHG	-0.7275
Gm06	13190117	13190301	Gmdrm	hypo	CHG	-0.4571
Gm06	13190572	13190713	Gmdrm	hypo	CHG	-0.4028
Gm06	13190967	13191083	Gmdrm	hypo	CHG	-0.1726
Gm06	13199093	13199218	Gmdrm	hypo	CHG	-0.7225
Gm06	13201145	13201501	Gmdrm	hypo	CHG	-0.7713
Gm06	13207158	13208156	Gmdrm	hypo	CHG	-0.8816
Gm06	13223577	13223784	Gmdrm	hypo	CHG	-0.0487
Gm06	13229704	13229780	Gmdrm	hypo	CHG	-0.2715
Gm06	13234658	13234879	Gmdrm	hypo	CHG	-0.1033
Gm06	13260760	13260846	Gmdrm	hypo	CHG	-0.058
Gm06	13273171	13273935	Gmdrm	hypo	CHG	-0.2461
Gm06	13288079	13288149	Gmdrm	hypo	CHG	-0.72
Gm06	13294714	13294876	Gmdrm	hypo	CHG	-0.4012
Gm06	13304278	13305261	Gmdrm	hypo	CHG	-0.2059
Gm06	13305316	13305462	Gmdrm	hypo	CHG	-0.44
Gm06	13305767	13305958	Gmdrm	hypo	CHG	-0.21
Gm06	13324004	13324890	Gmdrm	hypo	CHG	-0.7186
Gm06	13325562	13325712	Gmdrm	hypo	CHG	-0.6033
Gm06	13329992	13330191	Gmdrm	hypo	CHG	-0.0555
Gm06	13358939	13359110	Gmdrm	hypo	CHG	-0.0667
Gm06	13362928	13363086	Gmdrm	hypo	CHG	-0.1317
Gm06	13380473	13380735	Gmdrm	hypo	CHG	-0.3
Gm06	13381823	13381911	Gmdrm	hypo	CHG	-0.3
Gm06	13393710	13393904	Gmdrm	hypo	CHG	-0.0545
Gm06	13398249	13398508	Gmdrm	hypo	CHG	-0.4411
Gm06	13399415	13399543	Gmdrm	hypo	CHG	-0.825
Gm06	13399848	13399988	Gmdrm	hypo	CHG	-0.782
Gm06	13405568	13405682	Gmdrm	hypo	CHG	-0.8017
Gm06	13405809	13406082	Gmdrm	hypo	CHG	-0.776
Gm06	13406223	13406517	Gmdrm	hypo	CHG	-0.6845
Gm06	13412447	13412982	Gmdrm	hypo	CHG	-0.445
Gm06	13423969	13424260	Gmdrm	hypo	CHG	-0.4893
Gm06	13424447	13425196	Gmdrm	hypo	CHG	-0.1412
Gm06	13425300	13425470	Gmdrm	hypo	CHG	-0.677
Gm06	13455343	13455572	Gmdrm	hypo	CHG	-0.2662
Gm06	13458854	13459144	Gmdrm	hypo	CHG	-0.1886
Gm06	13459420	13459533	Gmdrm	hypo	CHG	-0.1657

Gm06	13465600	13465802	Gmdrm	hypo	CHG	-0.342
Gm06	13465963	13466337	Gmdrm	hypo	CHG	-0.2936
Gm06	13467964	13468075	Gmdrm	hypo	CHG	-0.0472
Gm06	13474432	13474636	Gmdrm	hypo	CHG	-0.305
Gm06	13503614	13503903	Gmdrm	hypo	CHG	-0.654
Gm06	13504276	13504363	Gmdrm	hypo	CHG	-0.656
Gm06	13504498	13504674	Gmdrm	hypo	CHG	-0.088
Gm06	13505413	13505677	Gmdrm	hypo	CHG	-0.0425
Gm06	13507573	13507731	Gmdrm	hypo	CHG	-0.0444
Gm06	13511283	13511416	Gmdrm	hypo	CHG	-0.8424
Gm06	13521838	13521912	Gmdrm	hypo	CHG	-0.7622
Gm06	13522122	13522528	Gmdrm	hypo	CHG	-0.7555
Gm06	13537004	13537061	Gmdrm	hypo	CHG	-0.062
Gm06	13545731	13546250	Gmdrm	hypo	CHG	-0.8067
Gm06	13546396	13546731	Gmdrm	hypo	CHG	-0.873
Gm06	13550359	13550405	Gmdrm	hypo	CHG	-0.3916
Gm06	13612010	13612983	Gmdrm	hypo	CHG	-0.6668
Gm06	13636643	13636852	Gmdrm	hypo	CHG	-0.2301
Gm06	13641656	13641719	Gmdrm	hypo	CHG	-0.8016
Gm06	13642022	13642141	Gmdrm	hypo	CHG	-0.912
Gm06	13660357	13660442	Gmdrm	hypo	CHG	-0.044
Gm06	13664401	13665140	Gmdrm	hypo	CHG	-0.3758
Gm06	13665572	13666384	Gmdrm	hypo	CHG	-0.2717
Gm06	13689778	13689999	Gmdrm	hypo	CHG	-0.061
Gm06	13703892	13703988	Gmdrm	hypo	CHG	-0.4063
Gm06	13705546	13705592	Gmdrm	hypo	CHG	-0.052
Gm06	13714678	13714762	Gmdrm	hypo	CHG	-0.55
Gm06	13714936	13715202	Gmdrm	hypo	CHG	-0.2746
Gm06	13715403	13715533	Gmdrm	hypo	CHG	-0.56
Gm06	13752036	13752131	Gmdrm	hypo	CHG	-0.6767
Gm06	13760031	13760132	Gmdrm	hypo	CHG	-0.3967
Gm06	13764013	13764146	Gmdrm	hypo	CHG	-0.38
Gm06	13772805	13772929	Gmdrm	hypo	CHG	-0.16
Gm06	13776990	13777047	Gmdrm	hypo	CHG	-0.4417
Gm06	13777379	13777487	Gmdrm	hypo	CHG	-0.59
Gm06	13779218	13779435	Gmdrm	hypo	CHG	-0.1208
Gm06	13780780	13781172	Gmdrm	hypo	CHG	-0.7864
Gm06	13787836	13787946	Gmdrm	hypo	CHG	-0.885
Gm06	13792377	13792428	Gmdrm	hypo	CHG	-0.0257
Gm06	13811213	13811509	Gmdrm	hypo	CHG	-0.6979
Gm06	13814727	13814899	Gmdrm	hypo	CHG	-0.405
Gm06	13822985	13823604	Gmdrm	hypo	CHG	-0.3166
Gm06	13825586	13826015	Gmdrm	hypo	CHG	-0.2743
Gm06	13826135	13826251	Gmdrm	hypo	CHG	-0.6713
Gm06	13826363	13826492	Gmdrm	hypo	CHG	-0.4671
Gm06	13834281	13834471	Gmdrm	hypo	CHG	-0.0771

Gm06	13836853	13836932	Gmdrm	hypo	CHG	-0.184
Gm06	13839984	13840071	Gmdrm	hypo	CHG	-0.4467
Gm06	13854017	13854162	Gmdrm	hypo	CHG	-0.0714
Gm06	13854268	13854503	Gmdrm	hypo	CHG	-0.424
Gm06	13876289	13876364	Gmdrm	hypo	CHG	-0.395
Gm06	13893493	13893694	Gmdrm	hypo	CHG	-0.0818
Gm06	13909461	13909538	Gmdrm	hypo	CHG	-0.048
Gm06	13909645	13909873	Gmdrm	hypo	CHG	-0.04
Gm06	13911270	13912177	Gmdrm	hypo	CHG	-0.0396
Gm06	13919555	13919774	Gmdrm	hypo	CHG	-0.0443
Gm06	13951572	13951669	Gmdrm	hypo	CHG	-0.8189
Gm06	13956564	13956799	Gmdrm	hypo	CHG	-0.1085
Gm06	13957080	13957163	Gmdrm	hypo	CHG	-0.1562
Gm06	13957289	13957437	Gmdrm	hypo	CHG	-0.1382
Gm06	13964841	13964910	Gmdrm	hypo	CHG	-0.3738
Gm06	13966161	13966623	Gmdrm	hypo	CHG	-0.134
Gm06	13982789	13982964	Gmdrm	hypo	CHG	-0.3117
Gm06	13987828	13988005	Gmdrm	hypo	CHG	-0.052
Gm06	13989375	13989675	Gmdrm	hypo	CHG	-0.0813
Gm06	14003076	14003202	Gmdrm	hypo	CHG	-0.5425
Gm06	14003345	14003416	Gmdrm	hypo	CHG	-0.3584
Gm06	14003603	14003903	Gmdrm	hypo	CHG	-0.2563
Gm06	14005589	14005739	Gmdrm	hypo	CHG	-0.4226
Gm06	14053720	14053967	Gmdrm	hypo	CHG	-0.0855
Gm06	14060636	14060744	Gmdrm	hypo	CHG	-0.0938
Gm06	14095017	14095281	Gmdrm	hypo	CHG	-0.7493
Gm06	14110073	14110166	Gmdrm	hypo	CHG	-0.066
Gm06	14129730	14129803	Gmdrm	hypo	CHG	-0.0867
Gm06	14154725	14155085	Gmdrm	hypo	CHG	-0.06
Gm06	14171227	14171530	Gmdrm	hypo	CHG	-0.7857
Gm06	14172518	14172609	Gmdrm	hypo	CHG	-0.5971
Gm06	14174967	14175027	Gmdrm	hypo	CHG	-0.41
Gm06	14192904	14193261	Gmdrm	hypo	CHG	-0.5691
Gm06	14227123	14227406	Gmdrm	hypo	CHG	-0.333
Gm06	14228249	14228569	Gmdrm	hypo	CHG	-0.0633
Gm06	14230701	14230796	Gmdrm	hypo	CHG	-0.8138
Gm06	14230899	14231139	Gmdrm	hypo	CHG	-0.8223
Gm06	14250617	14250770	Gmdrm	hypo	CHG	-0.0571
Gm06	14271777	14272767	Gmdrm	hypo	CHG	-0.08
Gm06	14273291	14274270	Gmdrm	hypo	CHG	-0.1935
Gm06	14292946	14292979	Gmdrm	hypo	CHG	-0.8684
Gm06	14295319	14295378	Gmdrm	hypo	CHG	-0.2583
Gm06	14295604	14295666	Gmdrm	hypo	CHG	-0.4675
Gm06	14296252	14296375	Gmdrm	hypo	CHG	-0.08
Gm06	14297573	14297650	Gmdrm	hypo	CHG	-0.8083
Gm06	14301926	14302039	Gmdrm	hypo	CHG	-0.034

Gm06	14308421	14308533	Gmdrm	hypo	CHG	-0.0766
Gm06	14314537	14314803	Gmdrm	hypo	CHG	-0.8279
Gm06	14315257	14315508	Gmdrm	hypo	CHG	-0.8893
Gm06	14319362	14319666	Gmdrm	hypo	CHG	-0.07
Gm06	14332356	14332532	Gmdrm	hypo	CHG	-0.5672
Gm06	14343388	14343413	Gmdrm	hypo	CHG	-0.9233
Gm06	14343769	14343845	Gmdrm	hypo	CHG	-0.6284
Gm06	14344068	14344432	Gmdrm	hypo	CHG	-0.3944
Gm06	14344603	14344677	Gmdrm	hypo	CHG	-0.5211
Gm06	14344798	14344823	Gmdrm	hypo	CHG	-0.852
Gm06	14350965	14351118	Gmdrm	hypo	CHG	-0.3567
Gm06	14351483	14351560	Gmdrm	hypo	CHG	-0.636
Gm06	14372172	14372210	Gmdrm	hypo	CHG	-0.7563
Gm06	14372463	14372574	Gmdrm	hypo	CHG	-0.48
Gm06	14381614	14382041	Gmdrm	hypo	CHG	-0.2057
Gm06	14382187	14382257	Gmdrm	hypo	CHG	-0.728
Gm06	14398852	14398978	Gmdrm	hypo	CHG	-0.3211
Gm06	14399528	14399859	Gmdrm	hypo	CHG	-0.5536
Gm06	14403649	14403755	Gmdrm	hypo	CHG	-0.0463
Gm06	14435087	14435131	Gmdrm	hypo	CHG	-0.618
Gm06	14451171	14451692	Gmdrm	hypo	CHG	-0.2183
Gm06	14460314	14461095	Gmdrm	hypo	CHG	-0.1586
Gm06	14470774	14470925	Gmdrm	hypo	CHG	-0.042
Gm06	14477018	14477103	Gmdrm	hypo	CHG	-0.498
Gm06	14477538	14477594	Gmdrm	hypo	CHG	-0.582
Gm06	14478020	14478068	Gmdrm	hypo	CHG	-0.47
Gm06	14489928	14490136	Gmdrm	hypo	CHG	-0.6486
Gm06	14490311	14490390	Gmdrm	hypo	CHG	-0.81
Gm06	14490493	14490771	Gmdrm	hypo	CHG	-0.9317
Gm06	14516947	14517221	Gmdrm	hypo	CHG	-0.086
Gm06	14522710	14522844	Gmdrm	hypo	CHG	-0.054
Gm06	14538945	14539087	Gmdrm	hypo	CHG	-0.3771
Gm06	14539237	14540228	Gmdrm	hypo	CHG	-0.2173
Gm06	14540246	14541195	Gmdrm	hypo	CHG	-0.2662
Gm06	14541285	14541495	Gmdrm	hypo	CHG	-0.1115
Gm06	14541812	14542072	Gmdrm	hypo	CHG	-0.1625
Gm06	14548680	14548990	Gmdrm	hypo	CHG	-0.206
Gm06	14549405	14549537	Gmdrm	hypo	CHG	-0.12
Gm06	14555278	14555735	Gmdrm	hypo	CHG	-0.2557
Gm06	14568372	14568619	Gmdrm	hypo	CHG	-0.038
Gm06	14575381	14576027	Gmdrm	hypo	CHG	-0.2288
Gm06	14577374	14577796	Gmdrm	hypo	CHG	-0.2733
Gm06	14578402	14579363	Gmdrm	hypo	CHG	-0.2322
Gm06	14579411	14579650	Gmdrm	hypo	CHG	-0.2066
Gm06	14579752	14580748	Gmdrm	hypo	CHG	-0.4559
Gm06	14580781	14581407	Gmdrm	hypo	CHG	-0.461

Gm06	14581511	14582445	Gmdrm	hypo	CHG	-0.2098
Gm06	14604086	14604296	Gmdrm	hypo	CHG	-0.3701
Gm06	14609912	14609934	Gmdrm	hypo	CHG	-0.235
Gm06	14614181	14614291	Gmdrm	hypo	CHG	-0.36
Gm06	14621529	14622159	Gmdrm	hypo	CHG	-0.7257
Gm06	14627311	14627381	Gmdrm	hypo	CHG	-0.566
Gm06	14627623	14627801	Gmdrm	hypo	CHG	-0.4625
Gm06	14632761	14633062	Gmdrm	hypo	CHG	-0.1738
Gm06	14640921	14640962	Gmdrm	hypo	CHG	-0.525
Gm06	14642829	14643166	Gmdrm	hypo	CHG	-0.5565
Gm06	14658942	14659223	Gmdrm	hypo	CHG	-0.4125
Gm06	14659521	14659930	Gmdrm	hypo	CHG	-0.4792
Gm06	14692051	14692128	Gmdrm	hypo	CHG	-0.8186
Gm06	14692268	14692554	Gmdrm	hypo	CHG	-0.731
Gm06	14694411	14694555	Gmdrm	hypo	CHG	-0.42
Gm06	14705446	14705946	Gmdrm	hypo	CHG	-0.5741
Gm06	14706055	14706383	Gmdrm	hypo	CHG	-0.9332
Gm06	14712600	14712729	Gmdrm	hypo	CHG	-0.1774
Gm06	14735533	14735727	Gmdrm	hypo	CHG	-0.37
Gm06	14737111	14737208	Gmdrm	hypo	CHG	-0.465
Gm06	14751357	14751545	Gmdrm	hypo	CHG	-0.042
Gm06	14753536	14753698	Gmdrm	hypo	CHG	-0.1313
Gm06	14762938	14763101	Gmdrm	hypo	CHG	-0.036
Gm06	14776351	14776473	Gmdrm	hypo	CHG	-0.8944
Gm06	14781251	14781322	Gmdrm	hypo	CHG	-0.887
Gm06	14782147	14782338	Gmdrm	hypo	CHG	-0.6072
Gm06	14790662	14790905	Gmdrm	hypo	CHG	-0.45
Gm06	14791099	14791728	Gmdrm	hypo	CHG	-0.1628
Gm06	14802899	14803201	Gmdrm	hypo	CHG	-0.04
Gm06	14818946	14819457	Gmdrm	hypo	CHG	-0.2378
Gm06	14823675	14823874	Gmdrm	hypo	CHG	-0.825
Gm06	14829398	14829526	Gmdrm	hypo	CHG	-0.3663
Gm06	14830819	14830968	Gmdrm	hypo	CHG	-0.2108
Gm06	14842639	14842917	Gmdrm	hypo	CHG	-0.8223
Gm06	14843030	14843344	Gmdrm	hypo	CHG	-0.2667
Gm06	14850905	14851124	Gmdrm	hypo	CHG	-0.3118
Gm06	14877108	14877437	Gmdrm	hypo	CHG	-0.04
Gm06	14892177	14892406	Gmdrm	hypo	CHG	-0.0543
Gm06	14896115	14896341	Gmdrm	hypo	CHG	-0.4973
Gm06	14896492	14896563	Gmdrm	hypo	CHG	-0.6
Gm06	14909943	14910009	Gmdrm	hypo	CHG	-0.332
Gm06	14910562	14910667	Gmdrm	hypo	CHG	-0.4963
Gm06	14917023	14917505	Gmdrm	hypo	CHG	-0.04
Gm06	14923075	14923125	Gmdrm	hypo	CHG	-0.7784
Gm06	14947115	14947262	Gmdrm	hypo	CHG	-0.054
Gm06	14959537	14959792	Gmdrm	hypo	CHG	-0.2066

Gm06	14963588	14963719	Gmdrm	hypo	CHG	-0.47
Gm06	14971359	14971551	Gmdrm	hypo	CHG	-0.0911
Gm06	14971959	14972117	Gmdrm	hypo	CHG	-0.0414
Gm06	14974453	14974601	Gmdrm	hypo	CHG	-0.6938
Gm06	14981113	14981249	Gmdrm	hypo	CHG	-0.5678
Gm06	14981365	14981493	Gmdrm	hypo	CHG	-0.456
Gm06	15006140	15006194	Gmdrm	hypo	CHG	-0.0317
Gm06	15009314	15009491	Gmdrm	hypo	CHG	-0.2082
Gm06	15009603	15009724	Gmdrm	hypo	CHG	-0.462
Gm06	15023915	15024114	Gmdrm	hypo	CHG	-0.4783
Gm06	15040556	15040611	Gmdrm	hypo	CHG	-0.046
Gm06	15041940	15042093	Gmdrm	hypo	CHG	-0.1033
Gm06	15094892	15094954	Gmdrm	hypo	CHG	-0.7963
Gm06	15095466	15095567	Gmdrm	hypo	CHG	-0.5834
Gm06	15095784	15095942	Gmdrm	hypo	CHG	-0.72
Gm06	15096915	15097041	Gmdrm	hypo	CHG	-0.696
Gm06	15115419	15115507	Gmdrm	hypo	CHG	-0.552
Gm06	15145727	15145880	Gmdrm	hypo	CHG	-0.5857
Gm06	15154899	15155288	Gmdrm	hypo	CHG	-0.0543
Gm06	15178472	15178679	Gmdrm	hypo	CHG	-0.3338
Gm06	15181697	15181910	Gmdrm	hypo	CHG	-0.4533
Gm06	15183722	15183924	Gmdrm	hypo	CHG	-0.4765
Gm06	15184223	15184407	Gmdrm	hypo	CHG	-0.0467
Gm06	15194718	15195315	Gmdrm	hypo	CHG	-0.2688
Gm06	15200542	15200840	Gmdrm	hypo	CHG	-0.704
Gm06	15200942	15201519	Gmdrm	hypo	CHG	-0.691
Gm06	15205862	15205911	Gmdrm	hypo	CHG	-0.084
Gm06	15222854	15222948	Gmdrm	hypo	CHG	-0.17
Gm06	15230201	15230333	Gmdrm	hypo	CHG	-0.4633
Gm06	15230616	15230742	Gmdrm	hypo	CHG	-0.59
Gm06	15230918	15231408	Gmdrm	hypo	CHG	-0.6345
Gm06	15231944	15232029	Gmdrm	hypo	CHG	-0.6734
Gm06	15232675	15233020	Gmdrm	hypo	CHG	-0.6881
Gm06	15250405	15250489	Gmdrm	hypo	CHG	-0.712
Gm06	15264599	15264815	Gmdrm	hypo	CHG	-0.5896
Gm06	15265184	15265924	Gmdrm	hypo	CHG	-0.4938
Gm06	15270319	15270520	Gmdrm	hypo	CHG	-0.8842
Gm06	15270867	15271093	Gmdrm	hypo	CHG	-0.5827
Gm06	15277308	15277492	Gmdrm	hypo	CHG	-0.8443
Gm06	15281655	15282029	Gmdrm	hypo	CHG	-0.67
Gm06	15282190	15282534	Gmdrm	hypo	CHG	-0.7189
Gm06	15298538	15298661	Gmdrm	hypo	CHG	-0.2383
Gm06	15303434	15304210	Gmdrm	hypo	CHG	-0.2365
Gm06	15304315	15305277	Gmdrm	hypo	CHG	-0.1629
Gm06	15333931	15334920	Gmdrm	hypo	CHG	-0.1753
Gm06	15334943	15335095	Gmdrm	hypo	CHG	-0.3587

Gm06	15335364	15335887	Gmdrm	hypo	CHG	-0.315
Gm06	15336096	15337056	Gmdrm	hypo	CHG	-0.1943
Gm06	15337667	15337908	Gmdrm	hypo	CHG	-0.105
Gm06	15338423	15338886	Gmdrm	hypo	CHG	-0.1456
Gm06	15356575	15357032	Gmdrm	hypo	CHG	-0.2245
Gm06	15358599	15359075	Gmdrm	hypo	CHG	-0.2464
Gm06	15359407	15359966	Gmdrm	hypo	CHG	-0.3272
Gm06	15365748	15366744	Gmdrm	hypo	CHG	-0.3381
Gm06	15366751	15367719	Gmdrm	hypo	CHG	-0.3513
Gm06	15367785	15368760	Gmdrm	hypo	CHG	-0.2033
Gm06	15372074	15373052	Gmdrm	hypo	CHG	-0.2344
Gm06	15373085	15374061	Gmdrm	hypo	CHG	-0.2292
Gm06	15374468	15375113	Gmdrm	hypo	CHG	-0.206
Gm06	15409133	15409587	Gmdrm	hypo	CHG	-0.1396
Gm06	15415999	15416133	Gmdrm	hypo	CHG	-0.1981
Gm06	15421712	15422183	Gmdrm	hypo	CHG	-0.1644
Gm06	15456640	15456696	Gmdrm	hypo	CHG	-0.562
Gm06	15456859	15457024	Gmdrm	hypo	CHG	-0.3075
Gm06	15463372	15463497	Gmdrm	hypo	CHG	-0.6817
Gm06	15498050	15498202	Gmdrm	hypo	CHG	-0.9599
Gm06	15503519	15503710	Gmdrm	hypo	CHG	-0.088
Gm06	15511152	15511302	Gmdrm	hypo	CHG	-0.7812
Gm06	15530574	15530604	Gmdrm	hypo	CHG	-0.2417
Gm06	15531220	15531425	Gmdrm	hypo	CHG	-0.8467
Gm06	15548233	15548335	Gmdrm	hypo	CHG	-0.628
Gm06	15563113	15563240	Gmdrm	hypo	CHG	-0.4363
Gm06	15566264	15566455	Gmdrm	hypo	CHG	-0.8406
Gm06	15581193	15581366	Gmdrm	hypo	CHG	-0.715
Gm06	15584495	15584716	Gmdrm	hypo	CHG	-0.4128
Gm06	15588901	15589188	Gmdrm	hypo	CHG	-0.4064
Gm06	15595899	15596063	Gmdrm	hypo	CHG	-0.8527
Gm06	15596209	15596604	Gmdrm	hypo	CHG	-0.6871
Gm06	15596810	15596891	Gmdrm	hypo	CHG	-0.82
Gm06	15611763	15611804	Gmdrm	hypo	CHG	-0.7517
Gm06	15613346	15614018	Gmdrm	hypo	CHG	-0.117
Gm06	15637217	15637424	Gmdrm	hypo	CHG	-0.64
Gm06	15637658	15637877	Gmdrm	hypo	CHG	-0.4528
Gm06	15644357	15644630	Gmdrm	hypo	CHG	-0.3282
Gm06	15661284	15661552	Gmdrm	hypo	CHG	-0.4638
Gm06	15661817	15661956	Gmdrm	hypo	CHG	-0.5888
Gm06	15664468	15664647	Gmdrm	hypo	CHG	-0.8657
Gm06	15666439	15666627	Gmdrm	hypo	CHG	-0.2585
Gm06	15671091	15671389	Gmdrm	hypo	CHG	-0.8432
Gm06	15671563	15671733	Gmdrm	hypo	CHG	-0.9084
Gm06	15681022	15681288	Gmdrm	hypo	CHG	-0.3013
Gm06	15705784	15705896	Gmdrm	hypo	CHG	-0.455

Gm06	15714542	15714778	Gmdrm	hypo	CHG	-0.038
Gm06	15719737	15720119	Gmdrm	hypo	CHG	-0.6286
Gm06	15722279	15722479	Gmdrm	hypo	CHG	-0.378
Gm06	15723633	15723865	Gmdrm	hypo	CHG	-0.1811
Gm06	15775537	15775905	Gmdrm	hypo	CHG	-0.3491
Gm06	15779513	15779641	Gmdrm	hypo	CHG	-0.6556
Gm06	15779946	15780061	Gmdrm	hypo	CHG	-0.8275
Gm06	15788778	15788920	Gmdrm	hypo	CHG	-0.052
Gm06	15800062	15800258	Gmdrm	hypo	CHG	-0.08
Gm06	15833626	15833789	Gmdrm	hypo	CHG	-0.6546
Gm06	15833903	15834424	Gmdrm	hypo	CHG	-0.465
Gm06	15839579	15839750	Gmdrm	hypo	CHG	-0.32
Gm06	15854984	15855224	Gmdrm	hypo	CHG	-0.5464
Gm06	15859410	15859657	Gmdrm	hypo	CHG	-0.2905
Gm06	15871752	15871956	Gmdrm	hypo	CHG	-0.5068
Gm06	15873772	15873972	Gmdrm	hypo	CHG	-0.4172
Gm06	15882303	15882390	Gmdrm	hypo	CHG	-0.2343
Gm06	15884784	15884841	Gmdrm	hypo	CHG	-0.06
Gm06	15885105	15885234	Gmdrm	hypo	CHG	-0.252
Gm06	15890453	15891064	Gmdrm	hypo	CHG	-0.2076
Gm06	15899902	15900113	Gmdrm	hypo	CHG	-0.6595
Gm06	15900250	15900780	Gmdrm	hypo	CHG	-0.2713
Gm06	15905589	15905715	Gmdrm	hypo	CHG	-0.378
Gm06	15906151	15906222	Gmdrm	hypo	CHG	-0.575
Gm06	15909054	15909421	Gmdrm	hypo	CHG	-0.3213
Gm06	15909565	15909877	Gmdrm	hypo	CHG	-0.161
Gm06	15952343	15952471	Gmdrm	hypo	CHG	-0.3167
Gm06	15952748	15952890	Gmdrm	hypo	CHG	-0.6529
Gm06	15953025	15953211	Gmdrm	hypo	CHG	-0.2182
Gm06	15954290	15954419	Gmdrm	hypo	CHG	-0.3764
Gm06	15964286	15964378	Gmdrm	hypo	CHG	-0.2575
Gm06	15966879	15966893	Gmdrm	hypo	CHG	-0.25
Gm06	15988215	15988489	Gmdrm	hypo	CHG	-0.3582
Gm06	15989006	15989211	Gmdrm	hypo	CHG	-0.2475
Gm06	16005766	16005842	Gmdrm	hypo	CHG	-0.1399
Gm06	16029773	16030054	Gmdrm	hypo	CHG	-0.5483
Gm06	16030295	16030441	Gmdrm	hypo	CHG	-0.2078
Gm06	16037255	16038215	Gmdrm	hypo	CHG	-0.0862
Gm06	16041220	16041358	Gmdrm	hypo	CHG	-0.121
Gm06	16058561	16059101	Gmdrm	hypo	CHG	-0.3855
Gm06	16061560	16062004	Gmdrm	hypo	CHG	-0.6211
Gm06	16077191	16077402	Gmdrm	hypo	CHG	-0.032
Gm06	16080016	16080371	Gmdrm	hypo	CHG	-0.7606
Gm06	16081076	16081471	Gmdrm	hypo	CHG	-0.5417
Gm06	16081763	16081868	Gmdrm	hypo	CHG	-0.532
Gm06	16095916	16096132	Gmdrm	hypo	CHG	-0.04

Gm06	16096451	16096607	Gmdrm	hypo	CHG	-0.28
Gm06	16096981	16097060	Gmdrm	hypo	CHG	-0.608
Gm06	16128704	16129125	Gmdrm	hypo	CHG	-0.3634
Gm06	16141732	16142729	Gmdrm	hypo	CHG	-0.2595
Gm06	16142789	16143268	Gmdrm	hypo	CHG	-0.2196
Gm06	16143536	16144443	Gmdrm	hypo	CHG	-0.0971
Gm06	16149540	16149661	Gmdrm	hypo	CHG	-0.1243
Gm06	16149915	16150158	Gmdrm	hypo	CHG	-0.2573
Gm06	16150267	16150446	Gmdrm	hypo	CHG	-0.395
Gm06	16150657	16151247	Gmdrm	hypo	CHG	-0.4411
Gm06	16152518	16153143	Gmdrm	hypo	CHG	-0.2675
Gm06	16153291	16153738	Gmdrm	hypo	CHG	-0.215
Gm06	16155137	16155211	Gmdrm	hypo	CHG	-0.04
Gm06	16160974	16161931	Gmdrm	hypo	CHG	-0.4835
Gm06	16162073	16162225	Gmdrm	hypo	CHG	-0.455
Gm06	16163881	16163895	Gmdrm	hypo	CHG	-0.05
Gm06	16170672	16170758	Gmdrm	hypo	CHG	-0.042
Gm06	16204116	16204159	Gmdrm	hypo	CHG	-0.39
Gm06	16212692	16213179	Gmdrm	hypo	CHG	-0.8014
Gm06	16236764	16237157	Gmdrm	hypo	CHG	-0.7159
Gm06	16241422	16241764	Gmdrm	hypo	CHG	-0.0588
Gm06	16260899	16261087	Gmdrm	hypo	CHG	-0.6769
Gm06	16262908	16262973	Gmdrm	hypo	CHG	-0.044
Gm06	16292530	16292648	Gmdrm	hypo	CHG	-0.5137
Gm06	16292940	16292993	Gmdrm	hypo	CHG	-0.674
Gm06	16293259	16293353	Gmdrm	hypo	CHG	-0.4543
Gm06	16300736	16301057	Gmdrm	hypo	CHG	-0.1534
Gm06	16309496	16309650	Gmdrm	hypo	CHG	-0.05
Gm06	16318048	16318296	Gmdrm	hypo	CHG	-0.5291
Gm06	16318787	16318833	Gmdrm	hypo	CHG	-0.575
Gm06	16321953	16322007	Gmdrm	hypo	CHG	-0.6283
Gm06	16327934	16328034	Gmdrm	hypo	CHG	-0.5625
Gm06	16328166	16328341	Gmdrm	hypo	CHG	-0.885
Gm06	16329557	16329695	Gmdrm	hypo	CHG	-0.3988
Gm06	16329856	16329867	Gmdrm	hypo	CHG	-0.112
Gm06	16330314	16330555	Gmdrm	hypo	CHG	-0.8331
Gm06	16335519	16335557	Gmdrm	hypo	CHG	-0.056
Gm06	16342184	16342418	Gmdrm	hypo	CHG	-0.1977
Gm06	16342600	16342665	Gmdrm	hypo	CHG	-0.325
Gm06	16356939	16357111	Gmdrm	hypo	CHG	-0.051
Gm06	16358431	16358743	Gmdrm	hypo	CHG	-0.0433
Gm06	16371570	16372168	Gmdrm	hypo	CHG	-0.139
Gm06	16395535	16396139	Gmdrm	hypo	CHG	-0.0394
Gm06	16398483	16398653	Gmdrm	hypo	CHG	-0.028
Gm06	16414710	16414809	Gmdrm	hypo	CHG	-0.464
Gm06	16418708	16418980	Gmdrm	hypo	CHG	-0.3873

Gm06	16426928	16427077	Gmdrm	hypo	CHG	-0.3636
Gm06	16430704	16431085	Gmdrm	hypo	CHG	-0.395
Gm06	16432405	16432673	Gmdrm	hypo	CHG	-0.6227
Gm06	16457621	16457807	Gmdrm	hypo	CHG	-0.69
Gm06	16490127	16490236	Gmdrm	hypo	CHG	-0.78
Gm06	16490343	16490413	Gmdrm	hypo	CHG	-0.655
Gm06	16521605	16521799	Gmdrm	hypo	CHG	-0.1018
Gm06	16521943	16522083	Gmdrm	hypo	CHG	-0.323
Gm06	16522223	16522502	Gmdrm	hypo	CHG	-0.47
Gm06	16522605	16523284	Gmdrm	hypo	CHG	-0.4481
Gm06	16525075	16525210	Gmdrm	hypo	CHG	-0.024
Gm06	16545271	16545374	Gmdrm	hypo	CHG	-0.6614
Gm06	16555918	16556216	Gmdrm	hypo	CHG	-0.4455
Gm06	16566092	16566190	Gmdrm	hypo	CHG	-0.51
Gm06	16577168	16577348	Gmdrm	hypo	CHG	-0.715
Gm06	16578167	16578403	Gmdrm	hypo	CHG	-0.6383
Gm06	16580214	16580289	Gmdrm	hypo	CHG	-0.5757
Gm06	16581094	16581398	Gmdrm	hypo	CHG	-0.4953
Gm06	16581535	16581690	Gmdrm	hypo	CHG	-0.3912
Gm06	16581885	16581978	Gmdrm	hypo	CHG	-0.6725
Gm06	16582505	16582712	Gmdrm	hypo	CHG	-0.63
Gm06	16584562	16584637	Gmdrm	hypo	CHG	-0.376
Gm06	16585881	16586037	Gmdrm	hypo	CHG	-0.496
Gm06	16586143	16586291	Gmdrm	hypo	CHG	-0.6083
Gm06	16586399	16586434	Gmdrm	hypo	CHG	-0.824
Gm06	16589610	16589898	Gmdrm	hypo	CHG	-0.3429
Gm06	16602268	16602306	Gmdrm	hypo	CHG	-0.332
Gm06	16606220	16606476	Gmdrm	hypo	CHG	-0.1546
Gm06	16607859	16608109	Gmdrm	hypo	CHG	-0.6872
Gm06	16610578	16610803	Gmdrm	hypo	CHG	-0.1246
Gm06	16611578	16611646	Gmdrm	hypo	CHG	-0.4943
Gm06	16611881	16611962	Gmdrm	hypo	CHG	-0.8083
Gm06	16612098	16612132	Gmdrm	hypo	CHG	-0.8416
Gm06	16614301	16614673	Gmdrm	hypo	CHG	-0.7869
Gm06	16618519	16618601	Gmdrm	hypo	CHG	-0.54
Gm06	16622429	16622646	Gmdrm	hypo	CHG	-0.04
Gm06	16628675	16628996	Gmdrm	hypo	CHG	-0.04
Gm06	16633064	16633387	Gmdrm	hypo	CHG	-0.6622
Gm06	16651110	16651222	Gmdrm	hypo	CHG	-0.3137
Gm06	16651660	16652231	Gmdrm	hypo	CHG	-0.6925
Gm06	16652442	16652672	Gmdrm	hypo	CHG	-0.28
Gm06	16653231	16653305	Gmdrm	hypo	CHG	-0.362
Gm06	16653839	16653952	Gmdrm	hypo	CHG	-0.19
Gm06	16658472	16658489	Gmdrm	hypo	CHG	-0.056
Gm06	16675929	16675991	Gmdrm	hypo	CHG	-0.1233
Gm06	16697465	16697606	Gmdrm	hypo	CHG	-0.4986

Gm06	16706306	16706406	Gmdrm	hypo	CHG	-0.4233
Gm06	16710431	16711104	Gmdrm	hypo	CHG	-0.3239
Gm06	16716816	16717153	Gmdrm	hypo	CHG	-0.0312
Gm06	16744157	16744299	Gmdrm	hypo	CHG	-0.3938
Gm06	16752129	16752367	Gmdrm	hypo	CHG	-0.1746
Gm06	16773865	16774071	Gmdrm	hypo	CHG	-0.867
Gm06	16785020	16785078	Gmdrm	hypo	CHG	-0.766
Gm06	16785319	16785386	Gmdrm	hypo	CHG	-0.67
Gm06	16803905	16804089	Gmdrm	hypo	CHG	-0.6943
Gm06	16811039	16811592	Gmdrm	hypo	CHG	-0.4956
Gm06	16825342	16825579	Gmdrm	hypo	CHG	-0.03
Gm06	16854077	16854418	Gmdrm	hypo	CHG	-0.52
Gm06	16892488	16892628	Gmdrm	hypo	CHG	-0.408
Gm06	16896929	16897448	Gmdrm	hypo	CHG	-0.4785
Gm06	16907714	16907756	Gmdrm	hypo	CHG	-0.032
Gm06	16915560	16915828	Gmdrm	hypo	CHG	-0.04
Gm06	16919921	16920423	Gmdrm	hypo	CHG	-0.4504
Gm06	16920529	16920685	Gmdrm	hypo	CHG	-0.4263
Gm06	16935547	16935850	Gmdrm	hypo	CHG	-0.7
Gm06	16936226	16936489	Gmdrm	hypo	CHG	-0.13
Gm06	16950012	16950109	Gmdrm	hypo	CHG	-0.2494
Gm06	16964868	16964966	Gmdrm	hypo	CHG	-0.7787
Gm06	16968437	16968734	Gmdrm	hypo	CHG	-0.2082
Gm06	16971848	16972135	Gmdrm	hypo	CHG	-0.2143
Gm06	16974158	16974210	Gmdrm	hypo	CHG	-0.1433
Gm06	16974312	16974713	Gmdrm	hypo	CHG	-0.21
Gm06	16998323	16998767	Gmdrm	hypo	CHG	-0.1474
Gm06	17005198	17005315	Gmdrm	hypo	CHG	-0.592
Gm06	17007355	17007768	Gmdrm	hypo	CHG	-0.3237
Gm06	17016783	17017291	Gmdrm	hypo	CHG	-0.33
Gm06	17018767	17019038	Gmdrm	hypo	CHG	-0.2725
Gm06	17042254	17042463	Gmdrm	hypo	CHG	-0.217
Gm06	17064911	17065074	Gmdrm	hypo	CHG	-0.045
Gm06	17078806	17078951	Gmdrm	hypo	CHG	-0.8485
Gm06	17082431	17082888	Gmdrm	hypo	CHG	-0.6734
Gm06	17083080	17083280	Gmdrm	hypo	CHG	-0.4966
Gm06	17086300	17086702	Gmdrm	hypo	CHG	-0.2526
Gm06	17087382	17087390	Gmdrm	hypo	CHG	-0.2216
Gm06	17096251	17096570	Gmdrm	hypo	CHG	-0.5058
Gm06	17101456	17101659	Gmdrm	hypo	CHG	-0.0289
Gm06	17108887	17109083	Gmdrm	hypo	CHG	-0.0486
Gm06	17115907	17116008	Gmdrm	hypo	CHG	-0.5613
Gm06	17146673	17146855	Gmdrm	hypo	CHG	-0.058
Gm06	17150718	17151076	Gmdrm	hypo	CHG	-0.5914
Gm06	17160279	17160341	Gmdrm	hypo	CHG	-0.456
Gm06	17163762	17163891	Gmdrm	hypo	CHG	-0.2

Gm06	17164004	17164129	Gmdrm	hypo	CHG	-0.6412
Gm06	17217113	17217333	Gmdrm	hypo	CHG	-0.845
Gm06	17222445	17222611	Gmdrm	hypo	CHG	-0.1931
Gm06	17222834	17222964	Gmdrm	hypo	CHG	-0.5329
Gm06	17227734	17228047	Gmdrm	hypo	CHG	-0.3029
Gm06	17234632	17234664	Gmdrm	hypo	CHG	-0.33
Gm06	17253009	17253193	Gmdrm	hypo	CHG	-0.8931
Gm06	17254707	17254814	Gmdrm	hypo	CHG	-0.4213
Gm06	17267610	17267698	Gmdrm	hypo	CHG	-0.605
Gm06	17289639	17289688	Gmdrm	hypo	CHG	-0.33
Gm06	17312086	17312692	Gmdrm	hypo	CHG	-0.1211
Gm06	17326286	17326390	Gmdrm	hypo	CHG	-0.3717
Gm06	17334626	17334828	Gmdrm	hypo	CHG	-0.8122
Gm06	17347584	17347619	Gmdrm	hypo	CHG	-0.81
Gm06	17374091	17374421	Gmdrm	hypo	CHG	-0.5992
Gm06	17377276	17377424	Gmdrm	hypo	CHG	-0.044
Gm06	17382536	17382624	Gmdrm	hypo	CHG	-0.45
Gm06	17389581	17389619	Gmdrm	hypo	CHG	-0.55
Gm06	17389724	17390078	Gmdrm	hypo	CHG	-0.4067
Gm06	17390480	17390622	Gmdrm	hypo	CHG	-0.335
Gm06	17390924	17391255	Gmdrm	hypo	CHG	-0.3082
Gm06	17399086	17399164	Gmdrm	hypo	CHG	-0.662
Gm06	17416836	17416931	Gmdrm	hypo	CHG	-0.3357
Gm06	17423850	17424013	Gmdrm	hypo	CHG	-0.2887
Gm06	17424228	17424437	Gmdrm	hypo	CHG	-0.7065
Gm06	17449525	17449727	Gmdrm	hypo	CHG	-0.8381
Gm06	17461882	17461998	Gmdrm	hypo	CHG	-0.5714
Gm06	17465673	17465846	Gmdrm	hypo	CHG	-0.5843
Gm06	17472924	17472948	Gmdrm	hypo	CHG	-0.2233
Gm06	17474247	17474390	Gmdrm	hypo	CHG	-0.786
Gm06	17474802	17475025	Gmdrm	hypo	CHG	-0.8357
Gm06	17477036	17477319	Gmdrm	hypo	CHG	-0.6589
Gm06	17477812	17477863	Gmdrm	hypo	CHG	-0.58
Gm06	17478109	17478184	Gmdrm	hypo	CHG	-0.3983
Gm06	17478299	17478372	Gmdrm	hypo	CHG	-0.598
Gm06	17478498	17478608	Gmdrm	hypo	CHG	-0.395
Gm06	17479034	17479282	Gmdrm	hypo	CHG	-0.204
Gm06	17490823	17490886	Gmdrm	hypo	CHG	-0.5957
Gm06	17494981	17495066	Gmdrm	hypo	CHG	-0.364
Gm06	17496422	17496668	Gmdrm	hypo	CHG	-0.03
Gm06	17503093	17503149	Gmdrm	hypo	CHG	-0.7267
Gm06	17515310	17515559	Gmdrm	hypo	CHG	-0.0789
Gm06	17515733	17516592	Gmdrm	hypo	CHG	-0.1494
Gm06	17517898	17518326	Gmdrm	hypo	CHG	-0.31
Gm06	17518444	17518986	Gmdrm	hypo	CHG	-0.187
Gm06	17539642	17539888	Gmdrm	hypo	CHG	-0.8565

Gm06	17540171	17540331	Gmdrm	hypo	CHG	-0.436
Gm06	17542967	17543019	Gmdrm	hypo	CHG	-0.42
Gm06	17543377	17543553	Gmdrm	hypo	CHG	-0.6689
Gm06	17543694	17543881	Gmdrm	hypo	CHG	-0.7673
Gm06	17549021	17549242	Gmdrm	hypo	CHG	-0.7745
Gm06	17549626	17549725	Gmdrm	hypo	CHG	-0.786
Gm06	17556736	17556926	Gmdrm	hypo	CHG	-0.0457
Gm06	17559106	17559367	Gmdrm	hypo	CHG	-0.6779
Gm06	17559663	17559743	Gmdrm	hypo	CHG	-0.6366
Gm06	17560964	17561313	Gmdrm	hypo	CHG	-0.0462
Gm06	17569555	17569625	Gmdrm	hypo	CHG	-0.3767
Gm06	17608232	17608265	Gmdrm	hypo	CHG	-0.1417
Gm06	17609682	17609942	Gmdrm	hypo	CHG	-0.3375
Gm06	17612481	17612761	Gmdrm	hypo	CHG	-0.28
Gm06	17614707	17614859	Gmdrm	hypo	CHG	-0.5125
Gm06	17615569	17615923	Gmdrm	hypo	CHG	-0.575
Gm06	17624916	17625133	Gmdrm	hypo	CHG	-0.6562
Gm06	17633693	17634663	Gmdrm	hypo	CHG	-0.2508
Gm06	17639831	17639901	Gmdrm	hypo	CHG	-0.0433
Gm06	17641545	17642146	Gmdrm	hypo	CHG	-0.0837
Gm06	17671054	17671221	Gmdrm	hypo	CHG	-0.1982
Gm06	17730700	17730947	Gmdrm	hypo	CHG	-0.8471
Gm06	17731106	17731188	Gmdrm	hypo	CHG	-0.7517
Gm06	17734243	17734337	Gmdrm	hypo	CHG	-0.822
Gm06	17735613	17735842	Gmdrm	hypo	CHG	-0.1133
Gm06	17741135	17741381	Gmdrm	hypo	CHG	-0.0633
Gm06	17743508	17743552	Gmdrm	hypo	CHG	-0.67
Gm06	17753981	17754166	Gmdrm	hypo	CHG	-0.8144
Gm06	17754350	17754730	Gmdrm	hypo	CHG	-0.5036
Gm06	17817476	17817891	Gmdrm	hypo	CHG	-0.2486
Gm06	17857262	17857376	Gmdrm	hypo	CHG	-0.76
Gm06	17865681	17866275	Gmdrm	hypo	CHG	-0.3026
Gm06	17869358	17869475	Gmdrm	hypo	CHG	-0.397
Gm06	17879486	17879706	Gmdrm	hypo	CHG	-0.625
Gm06	17881533	17881601	Gmdrm	hypo	CHG	-0.276
Gm06	17912637	17912807	Gmdrm	hypo	CHG	-0.2743
Gm06	17930809	17930870	Gmdrm	hypo	CHG	-0.6317
Gm06	17931575	17932032	Gmdrm	hypo	CHG	-0.3685
Gm06	17932150	17932200	Gmdrm	hypo	CHG	-0.288
Gm06	17933474	17934293	Gmdrm	hypo	CHG	-0.2566
Gm06	17934445	17934851	Gmdrm	hypo	CHG	-0.4094
Gm06	17935080	17935561	Gmdrm	hypo	CHG	-0.3178
Gm06	17936730	17936901	Gmdrm	hypo	CHG	-0.2686
Gm06	17937139	17937564	Gmdrm	hypo	CHG	-0.7993
Gm06	17941442	17941684	Gmdrm	hypo	CHG	-0.0357
Gm06	17946018	17946250	Gmdrm	hypo	CHG	-0.6075

Gm06	17948432	17948721	Gmdrm	hypo	CHG	-0.319
Gm06	17956498	17956932	Gmdrm	hypo	CHG	-0.53
Gm06	18000060	18000209	Gmdrm	hypo	CHG	-0.485
Gm06	18002695	18002989	Gmdrm	hypo	CHG	-0.1409
Gm06	18003505	18003641	Gmdrm	hypo	CHG	-0.3327
Gm06	18004712	18005025	Gmdrm	hypo	CHG	-0.0809
Gm06	18011698	18011762	Gmdrm	hypo	CHG	-0.7514
Gm06	18011912	18012299	Gmdrm	hypo	CHG	-0.2062
Gm06	18014771	18014877	Gmdrm	hypo	CHG	-0.289
Gm06	18015253	18015657	Gmdrm	hypo	CHG	-0.4921
Gm06	18031078	18031324	Gmdrm	hypo	CHG	-0.4785
Gm06	18085005	18085194	Gmdrm	hypo	CHG	-0.567
Gm06	18108603	18108854	Gmdrm	hypo	CHG	-0.045
Gm06	18112595	18113170	Gmdrm	hypo	CHG	-0.0278
Gm06	18117445	18117657	Gmdrm	hypo	CHG	-0.2582
Gm06	18127317	18127365	Gmdrm	hypo	CHG	-0.24
Gm06	18132065	18132113	Gmdrm	hypo	CHG	-0.6083
Gm06	18143898	18144045	Gmdrm	hypo	CHG	-0.816
Gm06	18144798	18145407	Gmdrm	hypo	CHG	-0.6644
Gm06	18145553	18146059	Gmdrm	hypo	CHG	-0.4858
Gm06	18146680	18146709	Gmdrm	hypo	CHG	-0.4233
Gm06	18146823	18147767	Gmdrm	hypo	CHG	-0.4225
Gm06	18147895	18148148	Gmdrm	hypo	CHG	-0.2842
Gm06	18148428	18148778	Gmdrm	hypo	CHG	-0.3734
Gm06	18149658	18150042	Gmdrm	hypo	CHG	-0.0773
Gm06	18150188	18150266	Gmdrm	hypo	CHG	-0.1771
Gm06	18151460	18152277	Gmdrm	hypo	CHG	-0.4362
Gm06	18152440	18152621	Gmdrm	hypo	CHG	-0.81
Gm06	18158507	18158738	Gmdrm	hypo	CHG	-0.3312
Gm06	18175061	18175232	Gmdrm	hypo	CHG	-0.102
Gm06	18196963	18197110	Gmdrm	hypo	CHG	-0.3133
Gm06	18197220	18197621	Gmdrm	hypo	CHG	-0.3822
Gm06	18197920	18198289	Gmdrm	hypo	CHG	-0.1721
Gm06	18209969	18210032	Gmdrm	hypo	CHG	-0.13
Gm06	18217712	18218160	Gmdrm	hypo	CHG	-0.3406
Gm06	18218369	18218514	Gmdrm	hypo	CHG	-0.274
Gm06	18219271	18219880	Gmdrm	hypo	CHG	-0.3107
Gm06	18224352	18224588	Gmdrm	hypo	CHG	-0.3328
Gm06	18228127	18228178	Gmdrm	hypo	CHG	-0.2884
Gm06	18228281	18228667	Gmdrm	hypo	CHG	-0.2624
Gm06	18230112	18230919	Gmdrm	hypo	CHG	-0.3415
Gm06	18241483	18241587	Gmdrm	hypo	CHG	-0.17
Gm06	18283062	18283255	Gmdrm	hypo	CHG	-0.3788
Gm06	18283548	18283658	Gmdrm	hypo	CHG	-0.4329
Gm06	18284066	18284141	Gmdrm	hypo	CHG	-0.8471
Gm06	18312282	18312416	Gmdrm	hypo	CHG	-0.3373

Gm06	18315529	18315600	Gmdrm	hypo	CHG	-0.7167
Gm06	18327300	18327425	Gmdrm	hypo	CHG	-0.67
Gm06	18347032	18347101	Gmdrm	hypo	CHG	-0.3425
Gm06	18352962	18353124	Gmdrm	hypo	CHG	-0.2257
Gm06	18354418	18354711	Gmdrm	hypo	CHG	-0.0364
Gm06	18377285	18377400	Gmdrm	hypo	CHG	-0.7
Gm06	18410979	18411947	Gmdrm	hypo	CHG	-0.2572
Gm06	18412224	18412630	Gmdrm	hypo	CHG	-0.0792
Gm06	18412815	18413428	Gmdrm	hypo	CHG	-0.1315
Gm06	18414258	18415253	Gmdrm	hypo	CHG	-0.2683
Gm06	18415631	18415765	Gmdrm	hypo	CHG	-0.3378
Gm06	18420048	18420818	Gmdrm	hypo	CHG	-0.1798
Gm06	18422072	18422285	Gmdrm	hypo	CHG	-0.41
Gm06	18422587	18422663	Gmdrm	hypo	CHG	-0.4743
Gm06	18423480	18423694	Gmdrm	hypo	CHG	-0.06
Gm06	18426088	18427086	Gmdrm	hypo	CHG	-0.2322
Gm06	18449087	18449509	Gmdrm	hypo	CHG	-0.0427
Gm06	18451751	18451973	Gmdrm	hypo	CHG	-0.8578
Gm06	18452503	18452703	Gmdrm	hypo	CHG	-0.8864
Gm06	18474891	18475035	Gmdrm	hypo	CHG	-0.0437
Gm06	18475149	18475415	Gmdrm	hypo	CHG	-0.0422
Gm06	18483609	18483621	Gmdrm	hypo	CHG	-0.108
Gm06	18484817	18484849	Gmdrm	hypo	CHG	-0.52
Gm06	18485026	18485254	Gmdrm	hypo	CHG	-0.1887
Gm06	18500271	18500466	Gmdrm	hypo	CHG	-0.2093
Gm06	18526429	18527086	Gmdrm	hypo	CHG	-0.3197
Gm06	18536240	18536599	Gmdrm	hypo	CHG	-0.2696
Gm06	18539442	18539793	Gmdrm	hypo	CHG	-0.4155
Gm06	18539975	18540160	Gmdrm	hypo	CHG	-0.2999
Gm06	18542925	18543040	Gmdrm	hypo	CHG	-0.227
Gm06	18543160	18543287	Gmdrm	hypo	CHG	-0.55
Gm06	18548394	18548465	Gmdrm	hypo	CHG	-0.054
Gm06	18550380	18550506	Gmdrm	hypo	CHG	-0.484
Gm06	18550619	18550937	Gmdrm	hypo	CHG	-0.6179
Gm06	18554977	18555080	Gmdrm	hypo	CHG	-0.265
Gm06	18565586	18565607	Gmdrm	hypo	CHG	-0.544
Gm06	18565723	18565773	Gmdrm	hypo	CHG	-0.8113
Gm06	18570362	18570382	Gmdrm	hypo	CHG	-0.068
Gm06	18572723	18572820	Gmdrm	hypo	CHG	-0.4917
Gm06	18573345	18573444	Gmdrm	hypo	CHG	-0.63
Gm06	18574428	18574793	Gmdrm	hypo	CHG	-0.4593
Gm06	18575668	18575804	Gmdrm	hypo	CHG	-0.361
Gm06	18625112	18626080	Gmdrm	hypo	CHG	-0.548
Gm06	18626146	18626806	Gmdrm	hypo	CHG	-0.2412
Gm06	18626915	18627213	Gmdrm	hypo	CHG	-0.3562
Gm06	18649344	18649450	Gmdrm	hypo	CHG	-0.2929

Gm06	18662527	18663042	Gmdrm	hypo	CHG	-0.1462
Gm06	18663512	18663972	Gmdrm	hypo	CHG	-0.4742
Gm06	18672899	18673051	Gmdrm	hypo	CHG	-0.4527
Gm06	18688639	18688933	Gmdrm	hypo	CHG	-0.2809
Gm06	18713903	18714017	Gmdrm	hypo	CHG	-0.3316
Gm06	18730263	18731234	Gmdrm	hypo	CHG	-0.1323
Gm06	18773648	18774484	Gmdrm	hypo	CHG	-0.1839
Gm06	18794194	18794346	Gmdrm	hypo	CHG	-0.2409
Gm06	18799310	18799457	Gmdrm	hypo	CHG	-0.0733
Gm06	18800638	18801039	Gmdrm	hypo	CHG	-0.1452
Gm06	18808732	18809221	Gmdrm	hypo	CHG	-0.3412
Gm06	18812868	18813083	Gmdrm	hypo	CHG	-0.0367
Gm06	18818610	18818859	Gmdrm	hypo	CHG	-0.312
Gm06	18821742	18822397	Gmdrm	hypo	CHG	-0.3613
Gm06	18847827	18848269	Gmdrm	hypo	CHG	-0.278
Gm06	18851853	18851977	Gmdrm	hypo	CHG	-0.265
Gm06	18853119	18853218	Gmdrm	hypo	CHG	-0.09
Gm06	18887636	18887990	Gmdrm	hypo	CHG	-0.464
Gm06	18888100	18888223	Gmdrm	hypo	CHG	-0.3986
Gm06	18890367	18890448	Gmdrm	hypo	CHG	-0.545
Gm06	18892472	18892658	Gmdrm	hypo	CHG	-0.7062
Gm06	18893758	18893849	Gmdrm	hypo	CHG	-0.7388
Gm06	18919254	18919518	Gmdrm	hypo	CHG	-0.275
Gm06	18930929	18931330	Gmdrm	hypo	CHG	-0.6153
Gm06	18939468	18939657	Gmdrm	hypo	CHG	-0.152
Gm06	18955469	18955689	Gmdrm	hypo	CHG	-0.464
Gm06	18957275	18957753	Gmdrm	hypo	CHG	-0.4411
Gm06	18957882	18957962	Gmdrm	hypo	CHG	-0.69
Gm06	18966427	18966478	Gmdrm	hypo	CHG	-0.51
Gm06	18966588	18966755	Gmdrm	hypo	CHG	-0.6938
Gm06	18972145	18972440	Gmdrm	hypo	CHG	-0.05
Gm06	18973385	18973594	Gmdrm	hypo	CHG	-0.4456
Gm06	18984445	18985386	Gmdrm	hypo	CHG	-0.5868
Gm06	18997471	18997550	Gmdrm	hypo	CHG	-0.21
Gm06	19002066	19002166	Gmdrm	hypo	CHG	-0.5113
Gm06	19003280	19003699	Gmdrm	hypo	CHG	-0.2707
Gm06	19038485	19038787	Gmdrm	hypo	CHG	-0.2487
Gm06	19041905	19042047	Gmdrm	hypo	CHG	-0.345
Gm06	19042198	19042304	Gmdrm	hypo	CHG	-0.314
Gm06	19050765	19051213	Gmdrm	hypo	CHG	-0.5744
Gm06	19066042	19066370	Gmdrm	hypo	CHG	-0.3375
Gm06	19087211	19087379	Gmdrm	hypo	CHG	-0.5371
Gm06	19094901	19095107	Gmdrm	hypo	CHG	-0.0417
Gm06	19112209	19112260	Gmdrm	hypo	CHG	-0.032
Gm06	19112747	19112850	Gmdrm	hypo	CHG	-0.2517
Gm06	19119132	19119430	Gmdrm	hypo	CHG	-0.5045

Gm06	19143155	19143403	Gmdrm	hypo	CHG	-0.0672
Gm06	19173107	19173143	Gmdrm	hypo	CHG	-0.1416
Gm06	19189987	19190133	Gmdrm	hypo	CHG	-0.0372
Gm06	19209026	19209284	Gmdrm	hypo	CHG	-0.2314
Gm06	19215853	19216388	Gmdrm	hypo	CHG	-0.4853
Gm06	19227562	19227963	Gmdrm	hypo	CHG	-0.823
Gm06	19231121	19231493	Gmdrm	hypo	CHG	-0.0534
Gm06	19272938	19273214	Gmdrm	hypo	CHG	-0.03
Gm06	19275943	19276006	Gmdrm	hypo	CHG	-0.11
Gm06	19279539	19279622	Gmdrm	hypo	CHG	-0.9
Gm06	19279976	19280060	Gmdrm	hypo	CHG	-0.6083
Gm06	19280488	19280601	Gmdrm	hypo	CHG	-0.9033
Gm06	19307390	19307823	Gmdrm	hypo	CHG	-0.2023
Gm06	19347732	19347751	Gmdrm	hypo	CHG	-0.7317
Gm06	19347898	19348068	Gmdrm	hypo	CHG	-0.525
Gm06	19348169	19348413	Gmdrm	hypo	CHG	-0.2513
Gm06	19351141	19351347	Gmdrm	hypo	CHG	-0.5187
Gm06	19356757	19356805	Gmdrm	hypo	CHG	-0.7667
Gm06	19356930	19356954	Gmdrm	hypo	CHG	-0.882
Gm06	19357132	19357284	Gmdrm	hypo	CHG	-0.7937
Gm06	19361658	19361726	Gmdrm	hypo	CHG	-0.554
Gm06	19361975	19362308	Gmdrm	hypo	CHG	-0.3065
Gm06	19461939	19461966	Gmdrm	hypo	CHG	-0.45
Gm06	19489562	19489757	Gmdrm	hypo	CHG	-0.3338
Gm06	19514111	19514438	Gmdrm	hypo	CHG	-0.0663
Gm06	19522655	19522815	Gmdrm	hypo	CHG	-0.045
Gm06	19531598	19531730	Gmdrm	hypo	CHG	-0.4933
Gm06	19531831	19531993	Gmdrm	hypo	CHG	-0.6385
Gm06	19534169	19534606	Gmdrm	hypo	CHG	-0.5464
Gm06	19602085	19602260	Gmdrm	hypo	CHG	-0.4925
Gm06	19613425	19613669	Gmdrm	hypo	CHG	-0.481
Gm06	19615084	19615237	Gmdrm	hypo	CHG	-0.4557
Gm06	19644013	19644201	Gmdrm	hypo	CHG	-0.44
Gm06	19646776	19646865	Gmdrm	hypo	CHG	-0.7967
Gm06	19675599	19675679	Gmdrm	hypo	CHG	-0.8388
Gm06	19676627	19676802	Gmdrm	hypo	CHG	-0.048
Gm06	19746481	19746548	Gmdrm	hypo	CHG	-0.5533
Gm06	19757500	19757769	Gmdrm	hypo	CHG	-0.63
Gm06	19778960	19779253	Gmdrm	hypo	CHG	-0.5805
Gm06	19838745	19838895	Gmdrm	hypo	CHG	-0.46
Gm06	19882558	19882694	Gmdrm	hypo	CHG	-0.0614
Gm06	19897459	19897739	Gmdrm	hypo	CHG	-0.6406
Gm06	19898307	19898571	Gmdrm	hypo	CHG	-0.1522
Gm06	20110375	20110518	Gmdrm	hypo	CHG	-0.7359
Gm06	20116662	20116757	Gmdrm	hypo	CHG	-0.6916
Gm06	20117797	20118286	Gmdrm	hypo	CHG	-0.1995

Gm06	20119332	20119689	Gmdrm	hypo	CHG	-0.4446
Gm06	20128982	20129073	Gmdrm	hypo	CHG	-0.2583
Gm06	20129445	20129994	Gmdrm	hypo	CHG	-0.3975
Gm06	20143042	20143518	Gmdrm	hypo	CHG	-0.5288
Gm06	20143783	20143908	Gmdrm	hypo	CHG	-0.7217
Gm06	20144031	20144250	Gmdrm	hypo	CHG	-0.34
Gm06	20146219	20146306	Gmdrm	hypo	CHG	-0.2183
Gm06	20146616	20147023	Gmdrm	hypo	CHG	-0.2335
Gm06	20161803	20161997	Gmdrm	hypo	CHG	-0.3335
Gm06	20193237	20193491	Gmdrm	hypo	CHG	-0.5116
Gm06	20204363	20204716	Gmdrm	hypo	CHG	-0.6315
Gm06	20213784	20213876	Gmdrm	hypo	CHG	-0.3229
Gm06	20272645	20272735	Gmdrm	hypo	CHG	-0.8039
Gm06	20272921	20273116	Gmdrm	hypo	CHG	-0.616
Gm06	20273844	20273877	Gmdrm	hypo	CHG	-0.084
Gm06	20350359	20350584	Gmdrm	hypo	CHG	-0.046
Gm06	20364227	20364336	Gmdrm	hypo	CHG	-0.6014
Gm06	20439997	20440127	Gmdrm	hypo	CHG	-0.64
Gm06	20440448	20440598	Gmdrm	hypo	CHG	-0.7593
Gm06	20456078	20456095	Gmdrm	hypo	CHG	-0.87
Gm06	20460695	20460744	Gmdrm	hypo	CHG	-0.7833
Gm06	20460994	20461151	Gmdrm	hypo	CHG	-0.3915
Gm06	20476130	20476307	Gmdrm	hypo	CHG	-0.3437
Gm06	20505475	20505632	Gmdrm	hypo	CHG	-0.2815
Gm06	20518249	20518490	Gmdrm	hypo	CHG	-0.2925
Gm06	20523741	20523984	Gmdrm	hypo	CHG	-0.5193
Gm06	20549398	20549693	Gmdrm	hypo	CHG	-0.47
Gm06	20615756	20615863	Gmdrm	hypo	CHG	-0.383
Gm06	20674534	20674653	Gmdrm	hypo	CHG	-0.6208
Gm06	20674945	20675029	Gmdrm	hypo	CHG	-0.176
Gm06	20678116	20678204	Gmdrm	hypo	CHG	-0.716
Gm06	20688800	20688961	Gmdrm	hypo	CHG	-0.5957
Gm06	20689209	20689266	Gmdrm	hypo	CHG	-0.6833
Gm06	20689471	20689626	Gmdrm	hypo	CHG	-0.5767
Gm06	20691303	20691535	Gmdrm	hypo	CHG	-0.03
Gm06	20694735	20695206	Gmdrm	hypo	CHG	-0.5
Gm06	20735861	20736166	Gmdrm	hypo	CHG	-0.4176
Gm06	20775258	20775381	Gmdrm	hypo	CHG	-0.2157
Gm06	20806882	20806972	Gmdrm	hypo	CHG	-0.4167
Gm06	20885662	20885870	Gmdrm	hypo	CHG	-0.5772
Gm06	20912688	20912827	Gmdrm	hypo	CHG	-0.034
Gm06	20935157	20935339	Gmdrm	hypo	CHG	-0.1457
Gm06	20938149	20938366	Gmdrm	hypo	CHG	-0.2375
Gm06	20941534	20941901	Gmdrm	hypo	CHG	-0.5667
Gm06	20958291	20958407	Gmdrm	hypo	CHG	-0.685
Gm06	21199326	21199389	Gmdrm	hypo	CHG	-0.345

Gm06	21208984	21209356	Gmdrm	hypo	CHG	-0.6631
Gm06	21209534	21209601	Gmdrm	hypo	CHG	-0.1817
Gm06	21210675	21211375	Gmdrm	hypo	CHG	-0.2403
Gm06	21213290	21213676	Gmdrm	hypo	CHG	-0.0783
Gm06	21213784	21214165	Gmdrm	hypo	CHG	-0.4016
Gm06	21214312	21214426	Gmdrm	hypo	CHG	-0.8043
Gm06	21214543	21214557	Gmdrm	hypo	CHG	-0.494
Gm06	21225969	21226111	Gmdrm	hypo	CHG	-0.62
Gm06	21226212	21226710	Gmdrm	hypo	CHG	-0.2594
Gm06	21230514	21230756	Gmdrm	hypo	CHG	-0.3158
Gm06	21231564	21231747	Gmdrm	hypo	CHG	-0.605
Gm06	21244716	21244926	Gmdrm	hypo	CHG	-0.038
Gm06	21326505	21326692	Gmdrm	hypo	CHG	-0.4074
Gm06	21360403	21360571	Gmdrm	hypo	CHG	-0.8172
Gm06	21360678	21361203	Gmdrm	hypo	CHG	-0.5331
Gm06	21362192	21362271	Gmdrm	hypo	CHG	-0.55
Gm06	21374126	21374164	Gmdrm	hypo	CHG	-0.61
Gm06	21458725	21458925	Gmdrm	hypo	CHG	-0.2756
Gm06	21495730	21496611	Gmdrm	hypo	CHG	-0.1937
Gm06	21520293	21520412	Gmdrm	hypo	CHG	-0.078
Gm06	21525266	21525438	Gmdrm	hypo	CHG	-0.4643
Gm06	21525561	21526235	Gmdrm	hypo	CHG	-0.6952
Gm06	21526761	21527358	Gmdrm	hypo	CHG	-0.1196
Gm06	21528940	21529111	Gmdrm	hypo	CHG	-0.1621
Gm06	21529615	21529763	Gmdrm	hypo	CHG	-0.103
Gm06	21536742	21536919	Gmdrm	hypo	CHG	-0.1158
Gm06	21790833	21791121	Gmdrm	hypo	CHG	-0.3769
Gm06	21850667	21850856	Gmdrm	hypo	CHG	-0.4346
Gm06	21966967	21967122	Gmdrm	hypo	CHG	-0.1212
Gm06	21994619	21994661	Gmdrm	hypo	CHG	-0.4457
Gm06	22016235	22016363	Gmdrm	hypo	CHG	-0.3571
Gm06	22020881	22020991	Gmdrm	hypo	CHG	-0.77
Gm06	22046048	22046079	Gmdrm	hypo	CHG	-0.7034
Gm06	22080754	22080976	Gmdrm	hypo	CHG	-0.5025
Gm06	22083449	22084082	Gmdrm	hypo	CHG	-0.2615
Gm06	22092745	22092911	Gmdrm	hypo	CHG	-0.6892
Gm06	22093244	22093361	Gmdrm	hypo	CHG	-0.1551
Gm06	22146441	22146827	Gmdrm	hypo	CHG	-0.5873
Gm06	22146957	22147121	Gmdrm	hypo	CHG	-0.629
Gm06	22185335	22185594	Gmdrm	hypo	CHG	-0.2775
Gm06	22185926	22186425	Gmdrm	hypo	CHG	-0.341
Gm06	22192904	22193040	Gmdrm	hypo	CHG	-0.37
Gm06	22344308	22344603	Gmdrm	hypo	CHG	-0.3271
Gm06	22349144	22349377	Gmdrm	hypo	CHG	-0.445
Gm06	22369195	22369216	Gmdrm	hypo	CHG	-0.21
Gm06	22388301	22388544	Gmdrm	hypo	CHG	-0.503

Gm06	22422365	22422964	Gmdrm	hypo	CHG	-0.1183
Gm06	22440953	22441938	Gmdrm	hypo	CHG	-0.3265
Gm06	22453029	22453161	Gmdrm	hypo	CHG	-0.12
Gm06	22454623	22454992	Gmdrm	hypo	CHG	-0.3056
Gm06	22523186	22523383	Gmdrm	hypo	CHG	-0.5627
Gm06	22526196	22526326	Gmdrm	hypo	CHG	-0.7351
Gm06	22533799	22534253	Gmdrm	hypo	CHG	-0.2126
Gm06	22539573	22539614	Gmdrm	hypo	CHG	-0.07
Gm06	22611423	22611606	Gmdrm	hypo	CHG	-0.101
Gm06	22635521	22635645	Gmdrm	hypo	CHG	-0.1613
Gm06	22648888	22649306	Gmdrm	hypo	CHG	-0.0219
Gm06	22649430	22650388	Gmdrm	hypo	CHG	-0.3885
Gm06	22662930	22662973	Gmdrm	hypo	CHG	-0.8643
Gm06	22691783	22691900	Gmdrm	hypo	CHG	-0.685
Gm06	22700467	22700592	Gmdrm	hypo	CHG	-0.2872
Gm06	22707473	22708465	Gmdrm	hypo	CHG	-0.3423
Gm06	22708480	22708553	Gmdrm	hypo	CHG	-0.5463
Gm06	22708685	22709092	Gmdrm	hypo	CHG	-0.2128
Gm06	22709445	22709675	Gmdrm	hypo	CHG	-0.0537
Gm06	22771375	22771561	Gmdrm	hypo	CHG	-0.14
Gm06	22775820	22775979	Gmdrm	hypo	CHG	-0.4083
Gm06	22776083	22776281	Gmdrm	hypo	CHG	-0.1114
Gm06	22778986	22779094	Gmdrm	hypo	CHG	-0.4658
Gm06	22779201	22779453	Gmdrm	hypo	CHG	-0.5518
Gm06	22786369	22786592	Gmdrm	hypo	CHG	-0.5072
Gm06	22804691	22804704	Gmdrm	hypo	CHG	-0.584
Gm06	22863651	22864651	Gmdrm	hypo	CHG	-0.275
Gm06	22864726	22865710	Gmdrm	hypo	CHG	-0.3053
Gm06	22872710	22872825	Gmdrm	hypo	CHG	-0.6417
Gm06	22872927	22873093	Gmdrm	hypo	CHG	-0.63
Gm06	22893632	22893660	Gmdrm	hypo	CHG	-0.0899
Gm06	22907254	22908219	Gmdrm	hypo	CHG	-0.1927
Gm06	22921403	22921861	Gmdrm	hypo	CHG	-0.0877
Gm06	22922380	22922804	Gmdrm	hypo	CHG	-0.1192
Gm06	23191599	23192508	Gmdrm	hypo	CHG	-0.0765
Gm06	23396340	23396517	Gmdrm	hypo	CHG	-0.058
Gm06	23397500	23398489	Gmdrm	hypo	CHG	-0.5582
Gm06	23398565	23398934	Gmdrm	hypo	CHG	-0.4062
Gm06	23399046	23399997	Gmdrm	hypo	CHG	-0.3249
Gm06	23411678	23412157	Gmdrm	hypo	CHG	-0.2008
Gm06	23412282	23413281	Gmdrm	hypo	CHG	-0.2516
Gm06	23413528	23413727	Gmdrm	hypo	CHG	-0.385
Gm06	23418847	23419839	Gmdrm	hypo	CHG	-0.2973
Gm06	23419857	23420133	Gmdrm	hypo	CHG	-0.3492
Gm06	23421098	23421331	Gmdrm	hypo	CHG	-0.254
Gm06	23421462	23421769	Gmdrm	hypo	CHG	-0.595

Gm06	23422134	23422525	Gmdrm	hypo	CHG	-0.3477
Gm06	23424857	23424956	Gmdrm	hypo	CHG	-0.3633
Gm06	23550876	23551364	Gmdrm	hypo	CHG	-0.033
Gm06	23554342	23554489	Gmdrm	hypo	CHG	-0.3657
Gm06	23554744	23554932	Gmdrm	hypo	CHG	-0.3401
Gm06	23575336	23575353	Gmdrm	hypo	CHG	-0.252
Gm06	23612909	23613314	Gmdrm	hypo	CHG	-0.168
Gm06	23737994	23738266	Gmdrm	hypo	CHG	-0.2467
Gm06	23851406	23851774	Gmdrm	hypo	CHG	-0.0733
Gm06	23852445	23852490	Gmdrm	hypo	CHG	-0.1
Gm06	23859144	23859211	Gmdrm	hypo	CHG	-0.0924
Gm06	23859320	23859375	Gmdrm	hypo	CHG	-0.1
Gm06	23878410	23878733	Gmdrm	hypo	CHG	-0.2989
Gm06	24079594	24080143	Gmdrm	hypo	CHG	-0.2119
Gm06	24080645	24080840	Gmdrm	hypo	CHG	-0.2128
Gm06	24082831	24083061	Gmdrm	hypo	CHG	-0.212
Gm06	24096039	24096075	Gmdrm	hypo	CHG	-0.0766
Gm06	24122932	24123005	Gmdrm	hypo	CHG	-0.41
Gm06	24375986	24376176	Gmdrm	hypo	CHG	-0.2557
Gm06	24510965	24511272	Gmdrm	hypo	CHG	-0.155
Gm06	24619312	24619655	Gmdrm	hypo	CHG	-0.2383
Gm06	24624448	24624608	Gmdrm	hypo	CHG	-0.4212
Gm06	24625893	24626098	Gmdrm	hypo	CHG	-0.0223
Gm06	24991597	24991762	Gmdrm	hypo	CHG	-0.036
Gm06	25080593	25081027	Gmdrm	hypo	CHG	-0.045
Gm06	25575236	25575408	Gmdrm	hypo	CHG	-0.4029
Gm06	25575514	25575674	Gmdrm	hypo	CHG	-0.5286
Gm06	25581051	25581116	Gmdrm	hypo	CHG	-0.656
Gm06	25594002	25594359	Gmdrm	hypo	CHG	-0.556
Gm06	25597949	25598349	Gmdrm	hypo	CHG	-0.0408
Gm06	25732519	25732531	Gmdrm	hypo	CHG	-0.1417
Gm06	26084419	26084988	Gmdrm	hypo	CHG	-0.0664
Gm06	26268344	26268605	Gmdrm	hypo	CHG	-0.0445
Gm06	26344513	26344576	Gmdrm	hypo	CHG	-0.5883
Gm06	26409964	26410435	Gmdrm	hypo	CHG	-0.09
Gm06	27064719	27064899	Gmdrm	hypo	CHG	-0.8515
Gm06	27069185	27069274	Gmdrm	hypo	CHG	-0.644
Gm06	27070376	27070506	Gmdrm	hypo	CHG	-0.8464
Gm06	27071111	27071358	Gmdrm	hypo	CHG	-0.7579
Gm06	27076027	27076090	Gmdrm	hypo	CHG	-0.06
Gm06	27133663	27133682	Gmdrm	hypo	CHG	-0.2766
Gm06	27417897	27418041	Gmdrm	hypo	CHG	-0.218
Gm06	27424295	27424667	Gmdrm	hypo	CHG	-0.3707
Gm06	27428696	27428830	Gmdrm	hypo	CHG	-0.692
Gm06	27544586	27544638	Gmdrm	hypo	CHG	-0.31
Gm06	27544756	27545058	Gmdrm	hypo	CHG	-0.6433

Gm06	27746053	27746290	Gmdrm	hypo	CHG	-0.054
Gm06	28230913	28230949	Gmdrm	hypo	CHG	-0.366
Gm06	28415842	28415959	Gmdrm	hypo	CHG	-0.486
Gm06	28420339	28420567	Gmdrm	hypo	CHG	-0.06
Gm06	28421131	28421244	Gmdrm	hypo	CHG	-0.4211
Gm06	28421960	28422317	Gmdrm	hypo	CHG	-0.4014
Gm06	28453917	28454196	Gmdrm	hypo	CHG	-0.1627
Gm06	28498417	28499372	Gmdrm	hypo	CHG	-0.3783
Gm06	28499420	28499596	Gmdrm	hypo	CHG	-0.3675
Gm06	28499889	28500350	Gmdrm	hypo	CHG	-0.22
Gm06	28506426	28506695	Gmdrm	hypo	CHG	-0.1325
Gm06	28526739	28527700	Gmdrm	hypo	CHG	-0.1433
Gm06	28534009	28534694	Gmdrm	hypo	CHG	-0.1711
Gm06	28535201	28535299	Gmdrm	hypo	CHG	-0.066
Gm06	28538227	28538531	Gmdrm	hypo	CHG	-0.1
Gm06	28545616	28545718	Gmdrm	hypo	CHG	-0.65
Gm06	28605129	28605325	Gmdrm	hypo	CHG	-0.1214
Gm06	28608985	28609880	Gmdrm	hypo	CHG	-0.175
Gm06	28610004	28610597	Gmdrm	hypo	CHG	-0.3396
Gm06	28704260	28704410	Gmdrm	hypo	CHG	-0.046
Gm06	28705552	28705593	Gmdrm	hypo	CHG	-0.594
Gm06	28705699	28706080	Gmdrm	hypo	CHG	-0.305
Gm06	28707952	28708105	Gmdrm	hypo	CHG	-0.428
Gm06	28710315	28710637	Gmdrm	hypo	CHG	-0.2162
Gm06	28732392	28732468	Gmdrm	hypo	CHG	-0.3283
Gm06	28732688	28732788	Gmdrm	hypo	CHG	-0.5172
Gm06	28741713	28741795	Gmdrm	hypo	CHG	-0.702
Gm06	28741964	28742013	Gmdrm	hypo	CHG	-0.8014
Gm06	28812668	28812776	Gmdrm	hypo	CHG	-0.53
Gm06	28821768	28822324	Gmdrm	hypo	CHG	-0.13
Gm06	28836208	28836298	Gmdrm	hypo	CHG	-0.128
Gm06	28838755	28839053	Gmdrm	hypo	CHG	-0.3942
Gm06	28863569	28863749	Gmdrm	hypo	CHG	-0.5725
Gm06	29086752	29086829	Gmdrm	hypo	CHG	-0.5357
Gm06	29122161	29122363	Gmdrm	hypo	CHG	-0.8415
Gm06	29149174	29149299	Gmdrm	hypo	CHG	-0.8083
Gm06	29153578	29154450	Gmdrm	hypo	CHG	-0.1813
Gm06	29155354	29156084	Gmdrm	hypo	CHG	-0.1331
Gm06	29174009	29174390	Gmdrm	hypo	CHG	-0.425
Gm06	29174575	29174787	Gmdrm	hypo	CHG	-0.1947
Gm06	29174921	29175014	Gmdrm	hypo	CHG	-0.65
Gm06	29175463	29175730	Gmdrm	hypo	CHG	-0.4126
Gm06	29204877	29205021	Gmdrm	hypo	CHG	-0.196
Gm06	29207875	29208168	Gmdrm	hypo	CHG	-0.1562
Gm06	29241221	29241613	Gmdrm	hypo	CHG	-0.3066
Gm06	29242256	29242320	Gmdrm	hypo	CHG	-0.8233

Gm06	29258329	29258637	Gmdrm	hypo	CHG	-0.0963
Gm06	29280682	29280784	Gmdrm	hypo	CHG	-0.4617
Gm06	29312390	29312631	Gmdrm	hypo	CHG	-0.1229
Gm06	29313992	29314187	Gmdrm	hypo	CHG	-0.038
Gm06	29316901	29317158	Gmdrm	hypo	CHG	-0.1728
Gm06	29319467	29319764	Gmdrm	hypo	CHG	-0.39
Gm06	29378431	29378559	Gmdrm	hypo	CHG	-0.4457
Gm06	29429084	29429263	Gmdrm	hypo	CHG	-0.0546
Gm06	29439136	29439352	Gmdrm	hypo	CHG	-0.1904
Gm06	29515207	29515236	Gmdrm	hypo	CHG	-0.369
Gm06	29515340	29515359	Gmdrm	hypo	CHG	-0.1874
Gm06	29589199	29589305	Gmdrm	hypo	CHG	-0.116
Gm06	29718645	29718659	Gmdrm	hypo	CHG	-0.2167
Gm06	29931699	29931898	Gmdrm	hypo	CHG	-0.515
Gm06	29940870	29941179	Gmdrm	hypo	CHG	-0.2255
Gm06	30206991	30207059	Gmdrm	hypo	CHG	-0.304
Gm06	30240469	30240650	Gmdrm	hypo	CHG	-0.6912
Gm06	30241242	30241507	Gmdrm	hypo	CHG	-0.08
Gm06	30254452	30254696	Gmdrm	hypo	CHG	-0.1684
Gm06	30434255	30434281	Gmdrm	hypo	CHG	-0.38
Gm06	30444953	30445098	Gmdrm	hypo	CHG	-0.104
Gm06	30597435	30597618	Gmdrm	hypo	CHG	-0.1667
Gm06	30635488	30635911	Gmdrm	hypo	CHG	-0.2925
Gm06	30638801	30639101	Gmdrm	hypo	CHG	-0.673
Gm06	30639208	30639443	Gmdrm	hypo	CHG	-0.744
Gm06	30729278	30729612	Gmdrm	hypo	CHG	-0.0269
Gm06	30760397	30760558	Gmdrm	hypo	CHG	-0.437
Gm06	30862991	30863024	Gmdrm	hypo	CHG	-0.102
Gm06	30864065	30864679	Gmdrm	hypo	CHG	-0.0287
Gm06	31168344	31168401	Gmdrm	hypo	CHG	-0.7643
Gm06	31171819	31172161	Gmdrm	hypo	CHG	-0.0844
Gm06	31575404	31576001	Gmdrm	hypo	CHG	-0.1776
Gm06	31577802	31578714	Gmdrm	hypo	CHG	-0.2068
Gm06	31579702	31580701	Gmdrm	hypo	CHG	-0.2536
Gm06	31581354	31582336	Gmdrm	hypo	CHG	-0.14
Gm06	31585328	31586016	Gmdrm	hypo	CHG	-0.1542
Gm06	31603677	31603950	Gmdrm	hypo	CHG	-0.3175
Gm06	31604866	31605275	Gmdrm	hypo	CHG	-0.1989
Gm06	31608031	31608175	Gmdrm	hypo	CHG	-0.4467
Gm06	31609047	31609918	Gmdrm	hypo	CHG	-0.2282
Gm06	31610778	31611375	Gmdrm	hypo	CHG	-0.2287
Gm06	31612681	31613681	Gmdrm	hypo	CHG	-0.1386
Gm06	31613715	31614078	Gmdrm	hypo	CHG	-0.2275
Gm06	31614765	31615313	Gmdrm	hypo	CHG	-0.2081
Gm06	31615862	31616307	Gmdrm	hypo	CHG	-0.2369
Gm06	31618573	31619492	Gmdrm	hypo	CHG	-0.185

Gm06	31619583	31620129	Gmdrm	hypo	CHG	-0.1766
Gm06	31626563	31627524	Gmdrm	hypo	CHG	-0.1393
Gm06	31722759	31723182	Gmdrm	hypo	CHG	-0.2774
Gm06	31723868	31724484	Gmdrm	hypo	CHG	-0.1031
Gm06	31725040	31725559	Gmdrm	hypo	CHG	-0.1316
Gm06	31731028	31731665	Gmdrm	hypo	CHG	-0.1104
Gm06	31747459	31747816	Gmdrm	hypo	CHG	-0.2394
Gm06	31749793	31750482	Gmdrm	hypo	CHG	-0.154
Gm06	31755584	31756298	Gmdrm	hypo	CHG	-0.2421
Gm06	31757307	31757752	Gmdrm	hypo	CHG	-0.265
Gm06	32190647	32190753	Gmdrm	hypo	CHG	-0.05
Gm06	32192534	32192622	Gmdrm	hypo	CHG	-0.3414
Gm06	32241924	32242142	Gmdrm	hypo	CHG	-0.191
Gm06	32251405	32251536	Gmdrm	hypo	CHG	-0.3233
Gm06	32290767	32290791	Gmdrm	hypo	CHG	-0.3634
Gm06	32301444	32301553	Gmdrm	hypo	CHG	-0.365
Gm06	32355436	32355493	Gmdrm	hypo	CHG	-0.35
Gm06	32452348	32452860	Gmdrm	hypo	CHG	-0.141
Gm06	33108238	33108546	Gmdrm	hypo	CHG	-0.116
Gm06	33535054	33535230	Gmdrm	hypo	CHG	-0.5512
Gm06	33547539	33547883	Gmdrm	hypo	CHG	-0.2814
Gm06	33592940	33593035	Gmdrm	hypo	CHG	-0.6217
Gm06	33823221	33823269	Gmdrm	hypo	CHG	-0.345
Gm06	33890480	33891047	Gmdrm	hypo	CHG	-0.2154
Gm06	33891181	33891448	Gmdrm	hypo	CHG	-0.1593
Gm06	33891634	33891880	Gmdrm	hypo	CHG	-0.334
Gm06	33908139	33908339	Gmdrm	hypo	CHG	-0.3861
Gm06	33920267	33920372	Gmdrm	hypo	CHG	-0.795
Gm06	34186716	34186884	Gmdrm	hypo	CHG	-0.1875
Gm06	34304353	34304443	Gmdrm	hypo	CHG	-0.5833
Gm06	34306122	34306279	Gmdrm	hypo	CHG	-0.426
Gm06	34309847	34309923	Gmdrm	hypo	CHG	-0.5967
Gm06	34310394	34310476	Gmdrm	hypo	CHG	-0.649
Gm06	34322925	34323034	Gmdrm	hypo	CHG	-0.656
Gm06	34323240	34323353	Gmdrm	hypo	CHG	-0.7123
Gm06	34323725	34323836	Gmdrm	hypo	CHG	-0.7722
Gm06	34326452	34326693	Gmdrm	hypo	CHG	-0.51
Gm06	34326797	34327219	Gmdrm	hypo	CHG	-0.2435
Gm06	34615493	34615524	Gmdrm	hypo	CHG	-0.356
Gm06	34617088	34617344	Gmdrm	hypo	CHG	-0.6184
Gm06	34666265	34666405	Gmdrm	hypo	CHG	-0.65
Gm06	34667032	34667201	Gmdrm	hypo	CHG	-0.5345
Gm06	34743277	34743483	Gmdrm	hypo	CHG	-0.0463
Gm06	34745127	34745350	Gmdrm	hypo	CHG	-0.1056
Gm06	34928441	34929049	Gmdrm	hypo	CHG	-0.043
Gm06	34930878	34931022	Gmdrm	hypo	CHG	-0.062

Gm06	35115382	35115840	Gmdrm	hypo	CHG	-0.2071
Gm06	35120739	35120907	Gmdrm	hypo	CHG	-0.075
Gm06	35244258	35244425	Gmdrm	hypo	CHG	-0.7588
Gm06	35245138	35245246	Gmdrm	hypo	CHG	-0.41
Gm06	35249397	35249660	Gmdrm	hypo	CHG	-0.055
Gm06	35339879	35340399	Gmdrm	hypo	CHG	-0.55
Gm06	35369678	35369944	Gmdrm	hypo	CHG	-0.6123
Gm06	35371618	35371916	Gmdrm	hypo	CHG	-0.3455
Gm06	35377152	35377344	Gmdrm	hypo	CHG	-0.419
Gm06	35378644	35379522	Gmdrm	hypo	CHG	-0.243
Gm06	35387865	35387919	Gmdrm	hypo	CHG	-0.065
Gm06	35392963	35393932	Gmdrm	hypo	CHG	-0.2936
Gm06	35393965	35394816	Gmdrm	hypo	CHG	-0.4504
Gm06	35395348	35395495	Gmdrm	hypo	CHG	-0.5662
Gm06	35398319	35398623	Gmdrm	hypo	CHG	-0.1589
Gm06	35430915	35431228	Gmdrm	hypo	CHG	-0.3983
Gm06	35458645	35458744	Gmdrm	hypo	CHG	-0.06
Gm06	35459122	35459192	Gmdrm	hypo	CHG	-0.04
Gm06	35477758	35478017	Gmdrm	hypo	CHG	-0.0608
Gm06	35485364	35485400	Gmdrm	hypo	CHG	-0.72
Gm06	35486155	35486231	Gmdrm	hypo	CHG	-0.29
Gm06	35486420	35486597	Gmdrm	hypo	CHG	-0.5191
Gm06	35489565	35489695	Gmdrm	hypo	CHG	-0.41
Gm06	35624267	35624784	Gmdrm	hypo	CHG	-0.3354
Gm06	35642570	35642594	Gmdrm	hypo	CHG	-0.455
Gm06	35711307	35711422	Gmdrm	hypo	CHG	-0.3128
Gm06	35726389	35726540	Gmdrm	hypo	CHG	-0.4745
Gm06	35727920	35728103	Gmdrm	hypo	CHG	-0.3371
Gm06	35797611	35797703	Gmdrm	hypo	CHG	-0.2571
Gm06	35797920	35798124	Gmdrm	hypo	CHG	-0.3367
Gm06	35798960	35799133	Gmdrm	hypo	CHG	-0.09
Gm06	35836803	35836940	Gmdrm	hypo	CHG	-0.05
Gm06	35845899	35845995	Gmdrm	hypo	CHG	-0.386
Gm06	35856026	35856361	Gmdrm	hypo	CHG	-0.2278
Gm06	36032445	36032624	Gmdrm	hypo	CHG	-0.23
Gm06	36033880	36034035	Gmdrm	hypo	CHG	-0.376
Gm06	36037801	36038061	Gmdrm	hypo	CHG	-0.524
Gm06	36074946	36075184	Gmdrm	hypo	CHG	-0.4886
Gm06	36080714	36080984	Gmdrm	hypo	CHG	-0.3656
Gm06	36096706	36096800	Gmdrm	hypo	CHG	-0.2667
Gm06	36360635	36360831	Gmdrm	hypo	CHG	-0.105
Gm06	36394687	36395275	Gmdrm	hypo	CHG	-0.5445
Gm06	36405601	36405712	Gmdrm	hypo	CHG	-0.3258
Gm06	36680886	36681053	Gmdrm	hypo	CHG	-0.5034
Gm06	36682184	36682306	Gmdrm	hypo	CHG	-0.5288
Gm06	36825105	36825434	Gmdrm	hypo	CHG	-0.0705

Gm06	36826413	36826849	Gmdrm	hypo	CHG	-0.2124
Gm06	36833661	36834176	Gmdrm	hypo	CHG	-0.2763
Gm06	36835660	36835798	Gmdrm	hypo	CHG	-0.1517
Gm06	36877469	36877531	Gmdrm	hypo	CHG	-0.5866
Gm06	36877851	36877967	Gmdrm	hypo	CHG	-0.6683
Gm06	36892226	36892775	Gmdrm	hypo	CHG	-0.6719
Gm06	36923386	36923560	Gmdrm	hypo	CHG	-0.505
Gm06	36923737	36924264	Gmdrm	hypo	CHG	-0.1494
Gm06	36924877	36925231	Gmdrm	hypo	CHG	-0.2418
Gm06	36925364	36925744	Gmdrm	hypo	CHG	-0.2535
Gm06	36925974	36926122	Gmdrm	hypo	CHG	-0.382
Gm06	36926655	36926723	Gmdrm	hypo	CHG	-0.365
Gm06	36926881	36927240	Gmdrm	hypo	CHG	-0.3308
Gm06	36927666	36928094	Gmdrm	hypo	CHG	-0.205
Gm06	36970809	36971042	Gmdrm	hypo	CHG	-0.5228
Gm06	36976159	36976353	Gmdrm	hypo	CHG	-0.5333
Gm06	36978283	36978358	Gmdrm	hypo	CHG	-0.1172
Gm06	36981516	36981802	Gmdrm	hypo	CHG	-0.0476
Gm06	36999530	36999576	Gmdrm	hypo	CHG	-0.1033
Gm06	37003187	37003344	Gmdrm	hypo	CHG	-0.3263
Gm06	37006145	37006382	Gmdrm	hypo	CHG	-0.384
Gm06	37032156	37032314	Gmdrm	hypo	CHG	-0.464
Gm06	37032491	37032643	Gmdrm	hypo	CHG	-0.5234
Gm06	37032757	37033067	Gmdrm	hypo	CHG	-0.1993
Gm06	37064089	37064135	Gmdrm	hypo	CHG	-0.135
Gm06	37166628	37166807	Gmdrm	hypo	CHG	-0.3583
Gm06	37167162	37167486	Gmdrm	hypo	CHG	-0.2359
Gm06	37194562	37194688	Gmdrm	hypo	CHG	-0.064
Gm06	37444550	37444786	Gmdrm	hypo	CHG	-0.03
Gm06	37445493	37445710	Gmdrm	hypo	CHG	-0.0433
Gm06	37597116	37597649	Gmdrm	hypo	CHG	-0.2448
Gm06	37602816	37603312	Gmdrm	hypo	CHG	-0.034
Gm06	37607666	37607875	Gmdrm	hypo	CHG	-0.7419
Gm06	37610666	37610840	Gmdrm	hypo	CHG	-0.0286
Gm06	37675558	37675751	Gmdrm	hypo	CHG	-0.7489
Gm06	37687492	37687911	Gmdrm	hypo	CHG	-0.3657
Gm06	37688660	37688731	Gmdrm	hypo	CHG	-0.3817
Gm06	37688940	37689116	Gmdrm	hypo	CHG	-0.4191
Gm06	37702892	37703053	Gmdrm	hypo	CHG	-0.4284
Gm06	37703204	37703267	Gmdrm	hypo	CHG	-0.6584
Gm06	37718518	37718719	Gmdrm	hypo	CHG	-0.666
Gm06	37785154	37785286	Gmdrm	hypo	CHG	-0.045
Gm06	37792803	37793007	Gmdrm	hypo	CHG	-0.05
Gm06	37837371	37837698	Gmdrm	hypo	CHG	-0.646
Gm06	37842830	37842926	Gmdrm	hypo	CHG	-0.2875
Gm06	37886055	37886227	Gmdrm	hypo	CHG	-0.6923

Gm06	38016354	38016552	Gmdrm	hypo	CHG	-0.4262
Gm06	38017589	38017759	Gmdrm	hypo	CHG	-0.2872
Gm06	38017877	38018440	Gmdrm	hypo	CHG	-0.1888
Gm06	38019317	38019521	Gmdrm	hypo	CHG	-0.711
Gm06	38029427	38029597	Gmdrm	hypo	CHG	-0.5775
Gm06	38050368	38050643	Gmdrm	hypo	CHG	-0.387
Gm06	38052622	38052993	Gmdrm	hypo	CHG	-0.2612
Gm06	38053955	38054315	Gmdrm	hypo	CHG	-0.0423
Gm06	38064041	38064395	Gmdrm	hypo	CHG	-0.2293
Gm06	38077287	38077615	Gmdrm	hypo	CHG	-0.218
Gm06	38080474	38080664	Gmdrm	hypo	CHG	-0.317
Gm06	38128059	38128106	Gmdrm	hypo	CHG	-0.7367
Gm06	38129350	38129445	Gmdrm	hypo	CHG	-0.6966
Gm06	38137652	38138116	Gmdrm	hypo	CHG	-0.2316
Gm06	38167395	38167780	Gmdrm	hypo	CHG	-0.8176
Gm06	38170970	38171279	Gmdrm	hypo	CHG	-0.3067
Gm06	38184866	38185028	Gmdrm	hypo	CHG	-0.3667
Gm06	38185336	38185604	Gmdrm	hypo	CHG	-0.5154
Gm06	38199595	38199947	Gmdrm	hypo	CHG	-0.0333
Gm06	38205699	38205807	Gmdrm	hypo	CHG	-0.2267
Gm06	38214995	38215155	Gmdrm	hypo	CHG	-0.727
Gm06	38226086	38226303	Gmdrm	hypo	CHG	-0.3822
Gm06	38226591	38226726	Gmdrm	hypo	CHG	-0.555
Gm06	38251436	38251540	Gmdrm	hypo	CHG	-0.4489
Gm06	38304693	38305174	Gmdrm	hypo	CHG	-0.1987
Gm06	38306968	38307060	Gmdrm	hypo	CHG	-0.741
Gm06	38308750	38308872	Gmdrm	hypo	CHG	-0.262
Gm06	38352654	38352800	Gmdrm	hypo	CHG	-0.076
Gm06	38363120	38363558	Gmdrm	hypo	CHG	-0.7217
Gm06	38363696	38364012	Gmdrm	hypo	CHG	-0.2817
Gm06	38386620	38386714	Gmdrm	hypo	CHG	-0.835
Gm06	38394678	38394813	Gmdrm	hypo	CHG	-0.55
Gm06	38394925	38395092	Gmdrm	hypo	CHG	-0.624
Gm06	38403802	38404132	Gmdrm	hypo	CHG	-0.3111
Gm06	38404719	38405053	Gmdrm	hypo	CHG	-0.2325
Gm06	38405256	38405404	Gmdrm	hypo	CHG	-0.8277
Gm06	38423498	38423781	Gmdrm	hypo	CHG	-0.4575
Gm06	38426754	38427107	Gmdrm	hypo	CHG	-0.5623
Gm06	38504342	38504459	Gmdrm	hypo	CHG	-0.59
Gm06	38507178	38507380	Gmdrm	hypo	CHG	-0.0427
Gm06	38507512	38507623	Gmdrm	hypo	CHG	-0.6762
Gm06	38509261	38509426	Gmdrm	hypo	CHG	-0.5134
Gm06	38520950	38521141	Gmdrm	hypo	CHG	-0.231
Gm06	38569589	38569792	Gmdrm	hypo	CHG	-0.6025
Gm06	38615450	38615691	Gmdrm	hypo	CHG	-0.1338
Gm06	38615800	38615955	Gmdrm	hypo	CHG	-0.14

Gm06	38616068	38616313	Gmdrm	hypo	CHG	-0.229
Gm06	38616785	38617033	Gmdrm	hypo	CHG	-0.0811
Gm06	38618447	38618724	Gmdrm	hypo	CHG	-0.065
Gm06	38621916	38622347	Gmdrm	hypo	CHG	-0.2805
Gm06	38622464	38622681	Gmdrm	hypo	CHG	-0.1354
Gm06	38622794	38623291	Gmdrm	hypo	CHG	-0.1164
Gm06	38623402	38623976	Gmdrm	hypo	CHG	-0.1006
Gm06	38627349	38628228	Gmdrm	hypo	CHG	-0.1176
Gm06	38635705	38635785	Gmdrm	hypo	CHG	-0.3225
Gm06	38640702	38640745	Gmdrm	hypo	CHG	-0.102
Gm06	38641723	38641821	Gmdrm	hypo	CHG	-0.1343
Gm06	38642625	38643540	Gmdrm	hypo	CHG	-0.1083
Gm06	38646772	38646845	Gmdrm	hypo	CHG	-0.27
Gm06	38675208	38675410	Gmdrm	hypo	CHG	-0.4472
Gm06	38694737	38695201	Gmdrm	hypo	CHG	-0.211
Gm06	38753189	38753364	Gmdrm	hypo	CHG	-0.2325
Gm06	38755453	38755606	Gmdrm	hypo	CHG	-0.3757
Gm06	38756113	38756153	Gmdrm	hypo	CHG	-0.8067
Gm06	38770636	38770830	Gmdrm	hypo	CHG	-0.5411
Gm06	38805681	38805798	Gmdrm	hypo	CHG	-0.4088
Gm06	38806213	38806347	Gmdrm	hypo	CHG	-0.3025
Gm06	38813814	38814165	Gmdrm	hypo	CHG	-0.3192
Gm06	38953317	38953795	Gmdrm	hypo	CHG	-0.3619
Gm06	38970558	38970922	Gmdrm	hypo	CHG	-0.2132
Gm06	38996423	38996531	Gmdrm	hypo	CHG	-0.062
Gm06	38999392	38999486	Gmdrm	hypo	CHG	-0.188
Gm06	38999701	39000279	Gmdrm	hypo	CHG	-0.1414
Gm06	39001610	39002172	Gmdrm	hypo	CHG	-0.1557
Gm06	39005529	39006528	Gmdrm	hypo	CHG	-0.5909
Gm06	39006545	39007541	Gmdrm	hypo	CHG	-0.4307
Gm06	39007575	39007779	Gmdrm	hypo	CHG	-0.252
Gm06	39007881	39008864	Gmdrm	hypo	CHG	-0.212
Gm06	39014039	39014413	Gmdrm	hypo	CHG	-0.535
Gm06	39014539	39015065	Gmdrm	hypo	CHG	-0.8225
Gm06	39024088	39024187	Gmdrm	hypo	CHG	-0.264
Gm06	39025095	39025448	Gmdrm	hypo	CHG	-0.409
Gm06	39025576	39025976	Gmdrm	hypo	CHG	-0.5216
Gm06	39027144	39027634	Gmdrm	hypo	CHG	-0.741
Gm06	39049796	39049974	Gmdrm	hypo	CHG	-0.1378
Gm06	39080747	39080932	Gmdrm	hypo	CHG	-0.5655
Gm06	39091596	39091874	Gmdrm	hypo	CHG	-0.047
Gm06	39100725	39100829	Gmdrm	hypo	CHG	-0.45
Gm06	39104305	39104543	Gmdrm	hypo	CHG	-0.1618
Gm06	39128501	39128683	Gmdrm	hypo	CHG	-0.0515
Gm06	39128969	39129220	Gmdrm	hypo	CHG	-0.2556
Gm06	39132786	39132919	Gmdrm	hypo	CHG	-0.3912

Gm06	39149239	39149422	Gmdrm	hypo	CHG	-0.564
Gm06	39155418	39155604	Gmdrm	hypo	CHG	-0.4027
Gm06	39155789	39155888	Gmdrm	hypo	CHG	-0.4583
Gm06	39158491	39158638	Gmdrm	hypo	CHG	-0.7783
Gm06	39161926	39162034	Gmdrm	hypo	CHG	-0.1143
Gm06	39167130	39167514	Gmdrm	hypo	CHG	-0.2814
Gm06	39206654	39206765	Gmdrm	hypo	CHG	-0.201
Gm06	39219003	39219058	Gmdrm	hypo	CHG	-0.241
Gm06	39306325	39306772	Gmdrm	hypo	CHG	-0.288
Gm06	39315630	39315748	Gmdrm	hypo	CHG	-0.035
Gm06	39339700	39340147	Gmdrm	hypo	CHG	-0.7053
Gm06	39340439	39340526	Gmdrm	hypo	CHG	-0.5616
Gm06	39340643	39340838	Gmdrm	hypo	CHG	-0.276
Gm06	39340975	39341102	Gmdrm	hypo	CHG	-0.3108
Gm06	39341403	39341899	Gmdrm	hypo	CHG	-0.3645
Gm06	39342064	39342413	Gmdrm	hypo	CHG	-0.149
Gm06	39342841	39342999	Gmdrm	hypo	CHG	-0.0875
Gm06	39350394	39350995	Gmdrm	hypo	CHG	-0.055
Gm06	39357940	39358447	Gmdrm	hypo	CHG	-0.09
Gm06	39359729	39359936	Gmdrm	hypo	CHG	-0.198
Gm06	39378456	39378670	Gmdrm	hypo	CHG	-0.253
Gm06	39427261	39427573	Gmdrm	hypo	CHG	-0.238
Gm06	39477984	39478687	Gmdrm	hypo	CHG	-0.2934
Gm06	39486279	39487144	Gmdrm	hypo	CHG	-0.1567
Gm06	39502462	39502643	Gmdrm	hypo	CHG	-0.08
Gm06	39506813	39507075	Gmdrm	hypo	CHG	-0.2963
Gm06	39544255	39544403	Gmdrm	hypo	CHG	-0.066
Gm06	39545569	39545604	Gmdrm	hypo	CHG	-0.098
Gm06	39545709	39545845	Gmdrm	hypo	CHG	-0.2
Gm06	39568103	39568300	Gmdrm	hypo	CHG	-0.2724
Gm06	39662825	39662935	Gmdrm	hypo	CHG	-0.4086
Gm06	39663059	39663260	Gmdrm	hypo	CHG	-0.5137
Gm06	39714640	39714754	Gmdrm	hypo	CHG	-0.4183
Gm06	39716657	39716804	Gmdrm	hypo	CHG	-0.6343
Gm06	39718294	39718827	Gmdrm	hypo	CHG	-0.3186
Gm06	39727752	39728195	Gmdrm	hypo	CHG	-0.0408
Gm06	39743369	39743424	Gmdrm	hypo	CHG	-0.68
Gm06	39767218	39767606	Gmdrm	hypo	CHG	-0.449
Gm06	39771498	39771601	Gmdrm	hypo	CHG	-0.265
Gm06	39795577	39795863	Gmdrm	hypo	CHG	-0.4783
Gm06	39802302	39802517	Gmdrm	hypo	CHG	-0.4522
Gm06	39885054	39885367	Gmdrm	hypo	CHG	-0.2833
Gm06	39885808	39886024	Gmdrm	hypo	CHG	-0.0912
Gm06	39950450	39950596	Gmdrm	hypo	CHG	-0.06
Gm06	39954713	39955110	Gmdrm	hypo	CHG	-0.43
Gm06	39962590	39962613	Gmdrm	hypo	CHG	-0.0788

Gm06	39964150	39964186	Gmdrm	hypo	CHG	-0.0684
Gm06	39965114	39965367	Gmdrm	hypo	CHG	-0.0491
Gm06	39966339	39966417	Gmdrm	hypo	CHG	-0.032
Gm06	39972381	39972757	Gmdrm	hypo	CHG	-0.3835
Gm06	40028123	40028264	Gmdrm	hypo	CHG	-0.1025
Gm06	40033250	40033593	Gmdrm	hypo	CHG	-0.225
Gm06	40150963	40150982	Gmdrm	hypo	CHG	-0.0666
Gm06	40153590	40153657	Gmdrm	hypo	CHG	-0.096
Gm06	40155062	40155252	Gmdrm	hypo	CHG	-0.0387
Gm06	40160666	40161097	Gmdrm	hypo	CHG	-0.3839
Gm06	40190240	40190590	Gmdrm	hypo	CHG	-0.2815
Gm06	40190846	40191079	Gmdrm	hypo	CHG	-0.328
Gm06	40192163	40192308	Gmdrm	hypo	CHG	-0.2539
Gm06	40192423	40192805	Gmdrm	hypo	CHG	-0.4277
Gm06	40204636	40204658	Gmdrm	hypo	CHG	-0.088
Gm06	40248502	40248810	Gmdrm	hypo	CHG	-0.3731
Gm06	40308078	40308786	Gmdrm	hypo	CHG	-0.2726
Gm06	40518780	40519013	Gmdrm	hypo	CHG	-0.261
Gm06	40519829	40519968	Gmdrm	hypo	CHG	-0.042
Gm06	40796145	40796693	Gmdrm	hypo	CHG	-0.1156
Gm06	40805829	40806069	Gmdrm	hypo	CHG	-0.5567
Gm06	40806391	40806634	Gmdrm	hypo	CHG	-0.6616
Gm06	40806953	40807187	Gmdrm	hypo	CHG	-0.2871
Gm06	40820933	40821230	Gmdrm	hypo	CHG	-0.2187
Gm06	40851483	40851707	Gmdrm	hypo	CHG	-0.2312
Gm06	40852296	40852325	Gmdrm	hypo	CHG	-0.7178
Gm06	40852427	40852576	Gmdrm	hypo	CHG	-0.651
Gm06	40855833	40856036	Gmdrm	hypo	CHG	-0.6888
Gm06	40856202	40856442	Gmdrm	hypo	CHG	-0.638
Gm06	40856835	40857011	Gmdrm	hypo	CHG	-0.4533
Gm06	40857279	40857907	Gmdrm	hypo	CHG	-0.5896
Gm06	40859650	40860205	Gmdrm	hypo	CHG	-0.3328
Gm06	40860386	40860471	Gmdrm	hypo	CHG	-0.545
Gm06	40860760	40860991	Gmdrm	hypo	CHG	-0.5271
Gm06	40861146	40861738	Gmdrm	hypo	CHG	-0.538
Gm06	40862334	40862584	Gmdrm	hypo	CHG	-0.4437
Gm06	40862708	40863045	Gmdrm	hypo	CHG	-0.265
Gm06	40863159	40863526	Gmdrm	hypo	CHG	-0.2908
Gm06	40863657	40863993	Gmdrm	hypo	CHG	-0.592
Gm06	40864114	40864359	Gmdrm	hypo	CHG	-0.1363
Gm06	40865993	40866369	Gmdrm	hypo	CHG	-0.03
Gm06	40892919	40893183	Gmdrm	hypo	CHG	-0.1458
Gm06	40905291	40905446	Gmdrm	hypo	CHG	-0.2256
Gm06	40932662	40933123	Gmdrm	hypo	CHG	-0.7659
Gm06	40934428	40934574	Gmdrm	hypo	CHG	-0.7528
Gm06	40935062	40935261	Gmdrm	hypo	CHG	-0.7455

Gm06	40942190	40942513	Gmdrm	hypo	CHG	-0.2029
Gm06	40943669	40943711	Gmdrm	hypo	CHG	-0.2129
Gm06	40963223	40963281	Gmdrm	hypo	CHG	-0.6675
Gm06	40963490	40963698	Gmdrm	hypo	CHG	-0.406
Gm06	41006757	41007242	Gmdrm	hypo	CHG	-0.3203
Gm06	41011372	41011639	Gmdrm	hypo	CHG	-0.34
Gm06	41018561	41018720	Gmdrm	hypo	CHG	-0.3467
Gm06	41024008	41024034	Gmdrm	hypo	CHG	-0.2067
Gm06	41039340	41039433	Gmdrm	hypo	CHG	-0.1813
Gm06	41039699	41039864	Gmdrm	hypo	CHG	-0.546
Gm06	41075906	41076325	Gmdrm	hypo	CHG	-0.3756
Gm06	41077734	41077899	Gmdrm	hypo	CHG	-0.038
Gm06	41084366	41084974	Gmdrm	hypo	CHG	-0.5189
Gm06	41099010	41099106	Gmdrm	hypo	CHG	-0.075
Gm06	41100001	41100154	Gmdrm	hypo	CHG	-0.3816
Gm06	41102313	41102385	Gmdrm	hypo	CHG	-0.55
Gm06	41111058	41111309	Gmdrm	hypo	CHG	-0.8655
Gm06	41138340	41138653	Gmdrm	hypo	CHG	-0.3347
Gm06	41168128	41168835	Gmdrm	hypo	CHG	-0.2283
Gm06	41170795	41170943	Gmdrm	hypo	CHG	-0.3464
Gm06	41304602	41304756	Gmdrm	hypo	CHG	-0.096
Gm06	41323936	41323974	Gmdrm	hypo	CHG	-0.392
Gm06	41326219	41326338	Gmdrm	hypo	CHG	-0.5079
Gm06	41367662	41367849	Gmdrm	hypo	CHG	-0.381
Gm06	41403960	41404665	Gmdrm	hypo	CHG	-0.2071
Gm06	41410334	41410439	Gmdrm	hypo	CHG	-0.8558
Gm06	41415638	41415756	Gmdrm	hypo	CHG	-0.107
Gm06	41441925	41442061	Gmdrm	hypo	CHG	-0.2437
Gm06	41464643	41464792	Gmdrm	hypo	CHG	-0.355
Gm06	41470682	41470779	Gmdrm	hypo	CHG	-0.3767
Gm06	41492778	41492951	Gmdrm	hypo	CHG	-0.4384
Gm06	41494555	41494876	Gmdrm	hypo	CHG	-0.7387
Gm06	41516080	41516238	Gmdrm	hypo	CHG	-0.0343
Gm06	41547604	41547705	Gmdrm	hypo	CHG	-0.6975
Gm06	41548040	41548216	Gmdrm	hypo	CHG	-0.4682
Gm06	41548564	41548623	Gmdrm	hypo	CHG	-0.7466
Gm06	41554226	41554351	Gmdrm	hypo	CHG	-0.7663
Gm06	41556789	41556928	Gmdrm	hypo	CHG	-0.0638
Gm06	41560159	41560531	Gmdrm	hypo	CHG	-0.3827
Gm06	41571833	41571954	Gmdrm	hypo	CHG	-0.5757
Gm06	41593541	41593653	Gmdrm	hypo	CHG	-0.58
Gm06	41593936	41594124	Gmdrm	hypo	CHG	-0.7383
Gm06	41594755	41594840	Gmdrm	hypo	CHG	-0.5733
Gm06	41611696	41612011	Gmdrm	hypo	CHG	-0.4858
Gm06	41689771	41690536	Gmdrm	hypo	CHG	-0.3221
Gm06	41691207	41691427	Gmdrm	hypo	CHG	-0.3429

Gm06	41691681	41691728	Gmdrm	hypo	CHG	-0.298
Gm06	41695140	41695232	Gmdrm	hypo	CHG	-0.4489
Gm06	41699499	41699633	Gmdrm	hypo	CHG	-0.046
Gm06	41741517	41741603	Gmdrm	hypo	CHG	-0.3784
Gm06	41756857	41756976	Gmdrm	hypo	CHG	-0.3283
Gm06	41758880	41758949	Gmdrm	hypo	CHG	-0.3025
Gm06	41760885	41760932	Gmdrm	hypo	CHG	-0.1317
Gm06	41761064	41761162	Gmdrm	hypo	CHG	-0.2734
Gm06	41767246	41767396	Gmdrm	hypo	CHG	-0.1471
Gm06	41830952	41831022	Gmdrm	hypo	CHG	-0.2275
Gm06	41877587	41877843	Gmdrm	hypo	CHG	-0.33
Gm06	41901099	41901147	Gmdrm	hypo	CHG	-0.038
Gm06	41938382	41938768	Gmdrm	hypo	CHG	-0.1638
Gm06	41939229	41939546	Gmdrm	hypo	CHG	-0.17
Gm06	41940460	41940609	Gmdrm	hypo	CHG	-0.3254
Gm06	41940713	41941051	Gmdrm	hypo	CHG	-0.1896
Gm06	41942423	41942863	Gmdrm	hypo	CHG	-0.0614
Gm06	41942985	41943107	Gmdrm	hypo	CHG	-0.085
Gm06	41945871	41946473	Gmdrm	hypo	CHG	-0.2673
Gm06	41964076	41964374	Gmdrm	hypo	CHG	-0.1728
Gm06	41965053	41965357	Gmdrm	hypo	CHG	-0.1
Gm06	41976278	41976346	Gmdrm	hypo	CHG	-0.1264
Gm06	41978666	41978903	Gmdrm	hypo	CHG	-0.2081
Gm06	41983071	41983371	Gmdrm	hypo	CHG	-0.2779
Gm06	42115154	42115365	Gmdrm	hypo	CHG	-0.0445
Gm06	42121273	42121536	Gmdrm	hypo	CHG	-0.1955
Gm06	42133757	42133857	Gmdrm	hypo	CHG	-0.2386
Gm06	42135945	42136241	Gmdrm	hypo	CHG	-0.227
Gm06	42138158	42138444	Gmdrm	hypo	CHG	-0.1024
Gm06	42138810	42139449	Gmdrm	hypo	CHG	-0.2342
Gm06	42140984	42141300	Gmdrm	hypo	CHG	-0.1486
Gm06	42141474	42141608	Gmdrm	hypo	CHG	-0.18
Gm06	42142581	42143159	Gmdrm	hypo	CHG	-0.2296
Gm06	42148607	42148707	Gmdrm	hypo	CHG	-0.1543
Gm06	42150792	42151092	Gmdrm	hypo	CHG	-0.3586
Gm06	42155151	42155456	Gmdrm	hypo	CHG	-0.3334
Gm06	42155935	42156177	Gmdrm	hypo	CHG	-0.238
Gm06	42156672	42157131	Gmdrm	hypo	CHG	-0.1868
Gm06	42157275	42157453	Gmdrm	hypo	CHG	-0.3014
Gm06	42157689	42158143	Gmdrm	hypo	CHG	-0.1997
Gm06	42158245	42158464	Gmdrm	hypo	CHG	-0.1664
Gm06	42169971	42170386	Gmdrm	hypo	CHG	-0.0752
Gm06	42170504	42170580	Gmdrm	hypo	CHG	-0.0762
Gm06	42170841	42170950	Gmdrm	hypo	CHG	-0.1617
Gm06	42171738	42172009	Gmdrm	hypo	CHG	-0.092
Gm06	42172403	42172433	Gmdrm	hypo	CHG	-0.355

Gm06	42180822	42181151	Gmdrm	hypo	CHG	-0.32
Gm06	42181284	42182033	Gmdrm	hypo	CHG	-0.1623
Gm06	42183497	42183854	Gmdrm	hypo	CHG	-0.1282
Gm06	42184768	42185097	Gmdrm	hypo	CHG	-0.2695
Gm06	42189134	42189293	Gmdrm	hypo	CHG	-0.0329
Gm06	42189445	42189656	Gmdrm	hypo	CHG	-0.0825
Gm06	42197903	42197991	Gmdrm	hypo	CHG	-0.3516
Gm06	42200519	42200713	Gmdrm	hypo	CHG	-0.29
Gm06	42202144	42202406	Gmdrm	hypo	CHG	-0.2508
Gm06	42203039	42203125	Gmdrm	hypo	CHG	-0.07
Gm06	42204887	42205187	Gmdrm	hypo	CHG	-0.1529
Gm06	42205649	42206012	Gmdrm	hypo	CHG	-0.2383
Gm06	42206847	42206997	Gmdrm	hypo	CHG	-0.1869
Gm06	42228458	42229064	Gmdrm	hypo	CHG	-0.2752
Gm06	42232225	42232375	Gmdrm	hypo	CHG	-0.2234
Gm06	42234899	42235141	Gmdrm	hypo	CHG	-0.2222
Gm06	42236291	42236550	Gmdrm	hypo	CHG	-0.55
Gm06	42242554	42242952	Gmdrm	hypo	CHG	-0.1595
Gm06	42243060	42243101	Gmdrm	hypo	CHG	-0.088
Gm06	42251505	42251591	Gmdrm	hypo	CHG	-0.174
Gm06	42252526	42253168	Gmdrm	hypo	CHG	-0.0296
Gm06	42253452	42253881	Gmdrm	hypo	CHG	-0.2037
Gm06	42256919	42257119	Gmdrm	hypo	CHG	-0.0223
Gm06	42257308	42257878	Gmdrm	hypo	CHG	-0.0373
Gm06	42258307	42258927	Gmdrm	hypo	CHG	-0.2895
Gm06	42261592	42261884	Gmdrm	hypo	CHG	-0.1684
Gm06	42271117	42271880	Gmdrm	hypo	CHG	-0.2032
Gm06	42272803	42273101	Gmdrm	hypo	CHG	-0.2606
Gm06	42284624	42284917	Gmdrm	hypo	CHG	-0.1989
Gm06	42294617	42294795	Gmdrm	hypo	CHG	-0.1
Gm06	42295223	42295433	Gmdrm	hypo	CHG	-0.124
Gm06	42296208	42296506	Gmdrm	hypo	CHG	-0.186
Gm06	42308506	42308795	Gmdrm	hypo	CHG	-0.2792
Gm06	42308896	42308955	Gmdrm	hypo	CHG	-0.4183
Gm06	42309873	42310047	Gmdrm	hypo	CHG	-0.2227
Gm06	42333550	42333852	Gmdrm	hypo	CHG	-0.2693
Gm06	42348795	42349197	Gmdrm	hypo	CHG	-0.0437
Gm06	42351171	42351250	Gmdrm	hypo	CHG	-0.432
Gm06	42353300	42353454	Gmdrm	hypo	CHG	-0.2367
Gm06	42353584	42353761	Gmdrm	hypo	CHG	-0.1989
Gm06	42354187	42354225	Gmdrm	hypo	CHG	-0.1184
Gm06	42360468	42360537	Gmdrm	hypo	CHG	-0.2372
Gm06	42364416	42364849	Gmdrm	hypo	CHG	-0.234
Gm06	42374858	42375012	Gmdrm	hypo	CHG	-0.13
Gm06	42375760	42375840	Gmdrm	hypo	CHG	-0.2833
Gm06	42397265	42397560	Gmdrm	hypo	CHG	-0.2445

Gm06	42398277	42398516 Gmdrm	hypo	CHG	-0.1115
Gm06	42405200	42405304 Gmdrm	hypo	CHG	-0.0471
Gm06	42405416	42405608 Gmdrm	hypo	CHG	-0.0673
Gm06	42408623	42408662 Gmdrm	hypo	CHG	-0.3071
Gm06	42427582	42428332 Gmdrm	hypo	CHG	-0.278
Gm06	42428447	42428594 Gmdrm	hypo	CHG	-0.3262
Gm06	42441528	42441546 Gmdrm	hypo	CHG	-0.3217
Gm06	42462733	42463329 Gmdrm	hypo	CHG	-0.2519
Gm06	42548470	42548521 Gmdrm	hypo	CHG	-0.5317
Gm06	42554750	42554942 Gmdrm	hypo	CHG	-0.375
Gm06	42563769	42563925 Gmdrm	hypo	CHG	-0.7967
Gm06	42575886	42575975 Gmdrm	hypo	CHG	-0.0383
Gm06	42578215	42578442 Gmdrm	hypo	CHG	-0.2967
Gm06	42578550	42578626 Gmdrm	hypo	CHG	-0.3312
Gm06	42578744	42578873 Gmdrm	hypo	CHG	-0.4984
Gm06	42579090	42579198 Gmdrm	hypo	CHG	-0.395
Gm06	42622708	42622889 Gmdrm	hypo	CHG	-0.748
Gm06	42624131	42624195 Gmdrm	hypo	CHG	-0.2975
Gm06	42639539	42639636 Gmdrm	hypo	CHG	-0.05
Gm06	42676961	42677346 Gmdrm	hypo	CHG	-0.0333
Gm06	42680331	42680442 Gmdrm	hypo	CHG	-0.048
Gm06	42716211	42716315 Gmdrm	hypo	CHG	-0.762
Gm06	42734046	42734236 Gmdrm	hypo	CHG	-0.4825
Gm06	42734853	42735471 Gmdrm	hypo	CHG	-0.3224
Gm06	42736442	42736605 Gmdrm	hypo	CHG	-0.56
Gm06	42736721	42736902 Gmdrm	hypo	CHG	-0.594
Gm06	42737026	42737370 Gmdrm	hypo	CHG	-0.7571
Gm06	42737683	42737764 Gmdrm	hypo	CHG	-0.7583
Gm06	42739981	42740046 Gmdrm	hypo	CHG	-0.355
Gm06	42740310	42740349 Gmdrm	hypo	CHG	-0.3149
Gm06	42743662	42743952 Gmdrm	hypo	CHG	-0.2945
Gm06	42764575	42764638 Gmdrm	hypo	CHG	-0.3129
Gm06	42773296	42773481 Gmdrm	hypo	CHG	-0.1241
Gm06	42778077	42778175 Gmdrm	hypo	CHG	-0.736
Gm06	42778599	42778742 Gmdrm	hypo	CHG	-0.4429
Gm06	42779913	42780042 Gmdrm	hypo	CHG	-0.4322
Gm06	42780221	42780498 Gmdrm	hypo	CHG	-0.6772
Gm06	42784796	42784840 Gmdrm	hypo	CHG	-0.145
Gm06	42803647	42803821 Gmdrm	hypo	CHG	-0.52
Gm06	42804081	42804393 Gmdrm	hypo	CHG	-0.3872
Gm06	42809292	42809629 Gmdrm	hypo	CHG	-0.0429
Gm06	42819482	42819547 Gmdrm	hypo	CHG	-0.042
Gm06	42819663	42819932 Gmdrm	hypo	CHG	-0.4146
Gm06	42830463	42830570 Gmdrm	hypo	CHG	-0.8678
Gm06	42878313	42878381 Gmdrm	hypo	CHG	-0.5272
Gm06	42880219	42880526 Gmdrm	hypo	CHG	-0.0446

Gm06	42885900	42886261	Gmdrm	hypo	CHG	-0.3845
Gm06	42906664	42906696	Gmdrm	hypo	CHG	-0.282
Gm06	42926343	42926492	Gmdrm	hypo	CHG	-0.45
Gm06	42942762	42943742	Gmdrm	hypo	CHG	-0.1078
Gm06	42977837	42977968	Gmdrm	hypo	CHG	-0.4243
Gm06	42992351	42992669	Gmdrm	hypo	CHG	-0.132
Gm06	43051585	43051790	Gmdrm	hypo	CHG	-0.2275
Gm06	43064551	43064574	Gmdrm	hypo	CHG	-0.595
Gm06	43073562	43073630	Gmdrm	hypo	CHG	-0.2262
Gm06	43075527	43075770	Gmdrm	hypo	CHG	-0.5286
Gm06	43130447	43130566	Gmdrm	hypo	CHG	-0.2167
Gm06	43138754	43139101	Gmdrm	hypo	CHG	-0.2372
Gm06	43160172	43160950	Gmdrm	hypo	CHG	-0.27
Gm06	43172052	43172188	Gmdrm	hypo	CHG	-0.0867
Gm06	43177260	43177775	Gmdrm	hypo	CHG	-0.242
Gm06	43191355	43191871	Gmdrm	hypo	CHG	-0.0483
Gm06	43240452	43240626	Gmdrm	hypo	CHG	-0.7987
Gm06	43240771	43240887	Gmdrm	hypo	CHG	-0.834
Gm06	43279030	43279203	Gmdrm	hypo	CHG	-0.2458
Gm06	43321461	43321775	Gmdrm	hypo	CHG	-0.1992
Gm06	43327893	43328083	Gmdrm	hypo	CHG	-0.5266
Gm06	43378531	43378799	Gmdrm	hypo	CHG	-0.0288
Gm06	43394982	43395603	Gmdrm	hypo	CHG	-0.4444
Gm06	43400885	43401220	Gmdrm	hypo	CHG	-0.6259
Gm06	43401353	43401457	Gmdrm	hypo	CHG	-0.3817
Gm06	43402631	43402911	Gmdrm	hypo	CHG	-0.3657
Gm06	43403186	43403277	Gmdrm	hypo	CHG	-0.275
Gm06	43589872	43590069	Gmdrm	hypo	CHG	-0.042
Gm06	43604455	43604551	Gmdrm	hypo	CHG	-0.2467
Gm06	43877962	43878080	Gmdrm	hypo	CHG	-0.55
Gm06	43878465	43878656	Gmdrm	hypo	CHG	-0.065
Gm06	43905656	43905847	Gmdrm	hypo	CHG	-0.0386
Gm06	43909556	43910468	Gmdrm	hypo	CHG	-0.2488
Gm06	43912170	43912433	Gmdrm	hypo	CHG	-0.062
Gm06	43915057	43915387	Gmdrm	hypo	CHG	-0.4587
Gm06	43932822	43932889	Gmdrm	hypo	CHG	-0.75
Gm06	43955599	43955686	Gmdrm	hypo	CHG	-0.185
Gm06	43958075	43958348	Gmdrm	hypo	CHG	-0.3175
Gm06	43971622	43972391	Gmdrm	hypo	CHG	-0.0448
Gm06	43975639	43975675	Gmdrm	hypo	CHG	-0.3466
Gm06	43979489	43979531	Gmdrm	hypo	CHG	-0.044
Gm06	44001447	44001544	Gmdrm	hypo	CHG	-0.5286
Gm06	44031618	44031847	Gmdrm	hypo	CHG	-0.0489
Gm06	44035358	44035428	Gmdrm	hypo	CHG	-0.098
Gm06	44070915	44070988	Gmdrm	hypo	CHG	-0.098
Gm06	44090437	44090531	Gmdrm	hypo	CHG	-0.61

Gm06	44091084	44091230	Gmdrm	hypo	CHG	-0.6843
Gm06	44092656	44093169	Gmdrm	hypo	CHG	-0.5155
Gm06	44095103	44095257	Gmdrm	hypo	CHG	-0.12
Gm06	44095784	44095953	Gmdrm	hypo	CHG	-0.6272
Gm06	44098960	44099131	Gmdrm	hypo	CHG	-0.802
Gm06	44123026	44123274	Gmdrm	hypo	CHG	-0.2712
Gm06	44125459	44125819	Gmdrm	hypo	CHG	-0.3175
Gm06	44141910	44142194	Gmdrm	hypo	CHG	-0.3321
Gm06	44145212	44145721	Gmdrm	hypo	CHG	-0.2328
Gm06	44201507	44201581	Gmdrm	hypo	CHG	-0.8133
Gm06	44207029	44207126	Gmdrm	hypo	CHG	-0.0214
Gm06	44222913	44223023	Gmdrm	hypo	CHG	-0.0764
Gm06	44238346	44238536	Gmdrm	hypo	CHG	-0.1455
Gm06	44259480	44259525	Gmdrm	hypo	CHG	-0.6466
Gm06	44259661	44259743	Gmdrm	hypo	CHG	-0.27
Gm06	44268386	44268631	Gmdrm	hypo	CHG	-0.3414
Gm06	44271732	44272073	Gmdrm	hypo	CHG	-0.0819
Gm06	44276278	44276388	Gmdrm	hypo	CHG	-0.5386
Gm06	44284228	44284373	Gmdrm	hypo	CHG	-0.384
Gm06	44284658	44284693	Gmdrm	hypo	CHG	-0.2433
Gm06	44316172	44316268	Gmdrm	hypo	CHG	-0.2086
Gm06	44331955	44332513	Gmdrm	hypo	CHG	-0.224
Gm06	44333167	44333284	Gmdrm	hypo	CHG	-0.1318
Gm06	44336799	44336910	Gmdrm	hypo	CHG	-0.088
Gm06	44343302	44343424	Gmdrm	hypo	CHG	-0.4016
Gm06	44360961	44361170	Gmdrm	hypo	CHG	-0.0388
Gm06	44382363	44382449	Gmdrm	hypo	CHG	-0.5817
Gm06	44387851	44388132	Gmdrm	hypo	CHG	-0.058
Gm06	44393147	44393312	Gmdrm	hypo	CHG	-0.6857
Gm06	44401735	44401982	Gmdrm	hypo	CHG	-0.7875
Gm06	44409892	44410048	Gmdrm	hypo	CHG	-0.3273
Gm06	44410229	44410542	Gmdrm	hypo	CHG	-0.2762
Gm06	44411200	44411591	Gmdrm	hypo	CHG	-0.2629
Gm06	44415270	44415906	Gmdrm	hypo	CHG	-0.093
Gm06	44428791	44428977	Gmdrm	hypo	CHG	-0.544
Gm06	44429534	44429570	Gmdrm	hypo	CHG	-0.486
Gm06	44434138	44434446	Gmdrm	hypo	CHG	-0.5976
Gm06	44434603	44434826	Gmdrm	hypo	CHG	-0.58
Gm06	44436922	44437059	Gmdrm	hypo	CHG	-0.3733
Gm06	44446460	44446681	Gmdrm	hypo	CHG	-0.626
Gm06	44446926	44447072	Gmdrm	hypo	CHG	-0.104
Gm06	44451073	44451156	Gmdrm	hypo	CHG	-0.7963
Gm06	44451480	44451781	Gmdrm	hypo	CHG	-0.375
Gm06	44455312	44455448	Gmdrm	hypo	CHG	-0.626
Gm06	44456415	44456582	Gmdrm	hypo	CHG	-0.054
Gm06	44464734	44464874	Gmdrm	hypo	CHG	-0.0907

Gm06	44471255	44471893	Gmdrm	hypo	CHG	-0.0372
Gm06	44477593	44477639	Gmdrm	hypo	CHG	-0.4384
Gm06	44489815	44489879	Gmdrm	hypo	CHG	-0.216
Gm06	44511637	44511656	Gmdrm	hypo	CHG	-0.144
Gm06	44512445	44512875	Gmdrm	hypo	CHG	-0.0472
Gm06	44522495	44523488	Gmdrm	hypo	CHG	-0.1524
Gm06	44523509	44523693	Gmdrm	hypo	CHG	-0.195
Gm06	44523841	44524495	Gmdrm	hypo	CHG	-0.3164
Gm06	44550554	44551119	Gmdrm	hypo	CHG	-0.0431
Gm06	44552124	44552451	Gmdrm	hypo	CHG	-0.0643
Gm06	44586474	44586738	Gmdrm	hypo	CHG	-0.41
Gm06	44587056	44587244	Gmdrm	hypo	CHG	-0.3563
Gm06	44595238	44595582	Gmdrm	hypo	CHG	-0.4878
Gm06	44609929	44609972	Gmdrm	hypo	CHG	-0.7938
Gm06	44610937	44611396	Gmdrm	hypo	CHG	-0.0323
Gm06	44620738	44620912	Gmdrm	hypo	CHG	-0.7094
Gm06	44621746	44621904	Gmdrm	hypo	CHG	-0.5124
Gm06	44623657	44624216	Gmdrm	hypo	CHG	-0.0614
Gm06	44628518	44628880	Gmdrm	hypo	CHG	-0.0516
Gm06	44636069	44636224	Gmdrm	hypo	CHG	-0.1
Gm06	44657740	44657945	Gmdrm	hypo	CHG	-0.4889
Gm06	44658467	44658502	Gmdrm	hypo	CHG	-0.105
Gm06	44662389	44662627	Gmdrm	hypo	CHG	-0.3334
Gm06	44714067	44715014	Gmdrm	hypo	CHG	-0.1971
Gm06	44718399	44719375	Gmdrm	hypo	CHG	-0.1852
Gm06	44719405	44719968	Gmdrm	hypo	CHG	-0.2204
Gm06	44721573	44721647	Gmdrm	hypo	CHG	-0.1423
Gm06	44722184	44722385	Gmdrm	hypo	CHG	-0.2333
Gm06	44722602	44723049	Gmdrm	hypo	CHG	-0.5287
Gm06	44723181	44723537	Gmdrm	hypo	CHG	-0.6894
Gm06	44723679	44723704	Gmdrm	hypo	CHG	-0.5717
Gm06	44725338	44725883	Gmdrm	hypo	CHG	-0.4363
Gm06	44726176	44726234	Gmdrm	hypo	CHG	-0.522
Gm06	44744216	44744372	Gmdrm	hypo	CHG	-0.2988
Gm06	44744706	44745070	Gmdrm	hypo	CHG	-0.2425
Gm06	44769066	44769375	Gmdrm	hypo	CHG	-0.1585
Gm06	44800002	44800143	Gmdrm	hypo	CHG	-0.7807
Gm06	44800963	44801260	Gmdrm	hypo	CHG	-0.8136
Gm06	44802737	44803046	Gmdrm	hypo	CHG	-0.6854
Gm06	44803686	44803772	Gmdrm	hypo	CHG	-0.815
Gm06	44803877	44803997	Gmdrm	hypo	CHG	-0.7344
Gm06	44804821	44804986	Gmdrm	hypo	CHG	-0.646
Gm06	44805175	44805436	Gmdrm	hypo	CHG	-0.3177
Gm06	44805549	44805591	Gmdrm	hypo	CHG	-0.4783
Gm06	44805763	44806219	Gmdrm	hypo	CHG	-0.7897
Gm06	44815362	44815811	Gmdrm	hypo	CHG	-0.4724

Gm06	44816144	44816167	Gmdrm	hypo	CHG	-0.406
Gm06	44817160	44817345	Gmdrm	hypo	CHG	-0.8456
Gm06	44822486	44822550	Gmdrm	hypo	CHG	-0.032
Gm06	44841522	44841922	Gmdrm	hypo	CHG	-0.3372
Gm06	44879568	44879720	Gmdrm	hypo	CHG	-0.2235
Gm06	44879985	44880053	Gmdrm	hypo	CHG	-0.9223
Gm06	44880172	44880222	Gmdrm	hypo	CHG	-0.346
Gm06	44881357	44881601	Gmdrm	hypo	CHG	-0.0825
Gm06	44883091	44883496	Gmdrm	hypo	CHG	-0.041
Gm06	44917342	44917538	Gmdrm	hypo	CHG	-0.1454
Gm06	44932813	44932927	Gmdrm	hypo	CHG	-0.3113
Gm06	44933126	44933218	Gmdrm	hypo	CHG	-0.0418
Gm06	44946145	44946444	Gmdrm	hypo	CHG	-0.2893
Gm06	44950778	44951227	Gmdrm	hypo	CHG	-0.599
Gm06	44953888	44954148	Gmdrm	hypo	CHG	-0.05
Gm06	44965762	44965861	Gmdrm	hypo	CHG	-0.2233
Gm06	44966155	44966309	Gmdrm	hypo	CHG	-0.035
Gm06	44967269	44967536	Gmdrm	hypo	CHG	-0.7405
Gm06	44968065	44968362	Gmdrm	hypo	CHG	-0.65
Gm06	44989524	44989820	Gmdrm	hypo	CHG	-0.7573
Gm06	44994376	44994434	Gmdrm	hypo	CHG	-0.5884
Gm06	45005211	45005445	Gmdrm	hypo	CHG	-0.33
Gm06	45025669	45025970	Gmdrm	hypo	CHG	-0.378
Gm06	45046025	45046234	Gmdrm	hypo	CHG	-0.5746
Gm06	45055570	45055741	Gmdrm	hypo	CHG	-0.0417
Gm06	45060104	45060215	Gmdrm	hypo	CHG	-0.454
Gm06	45062295	45062328	Gmdrm	hypo	CHG	-0.5166
Gm06	45089796	45090101	Gmdrm	hypo	CHG	-0.0575
Gm06	45116300	45116382	Gmdrm	hypo	CHG	-0.375
Gm06	45127524	45127609	Gmdrm	hypo	CHG	-0.156
Gm06	45127774	45127994	Gmdrm	hypo	CHG	-0.18
Gm06	45138701	45138846	Gmdrm	hypo	CHG	-0.095
Gm06	45149400	45149520	Gmdrm	hypo	CHG	-0.5586
Gm06	45149666	45149719	Gmdrm	hypo	CHG	-0.83
Gm06	45172966	45173244	Gmdrm	hypo	CHG	-0.3622
Gm06	45201389	45202038	Gmdrm	hypo	CHG	-0.2215
Gm06	45246578	45246738	Gmdrm	hypo	CHG	-0.433
Gm06	45250118	45250581	Gmdrm	hypo	CHG	-0.1895
Gm06	45260856	45261066	Gmdrm	hypo	CHG	-0.2
Gm06	45264814	45265254	Gmdrm	hypo	CHG	-0.2814
Gm06	45271139	45271305	Gmdrm	hypo	CHG	-0.162
Gm06	45287657	45288005	Gmdrm	hypo	CHG	-0.4136
Gm06	45293203	45293506	Gmdrm	hypo	CHG	-0.3714
Gm06	45310134	45310219	Gmdrm	hypo	CHG	-0.1967
Gm06	45327996	45328263	Gmdrm	hypo	CHG	-0.123
Gm06	45333270	45333611	Gmdrm	hypo	CHG	-0.4916

Gm06	45337098	45337514	Gmdrm	hypo	CHG	-0.1468
Gm06	45341536	45342451	Gmdrm	hypo	CHG	-0.1561
Gm06	45368997	45369955	Gmdrm	hypo	CHG	-0.2056
Gm06	45371031	45371083	Gmdrm	hypo	CHG	-0.36
Gm06	45371428	45372357	Gmdrm	hypo	CHG	-0.216
Gm06	45373073	45373625	Gmdrm	hypo	CHG	-0.3058
Gm06	45373879	45374090	Gmdrm	hypo	CHG	-0.1365
Gm06	45374223	45374291	Gmdrm	hypo	CHG	-0.1983
Gm06	45374965	45375553	Gmdrm	hypo	CHG	-0.3106
Gm06	45388287	45388413	Gmdrm	hypo	CHG	-0.4637
Gm06	45392809	45392901	Gmdrm	hypo	CHG	-0.35
Gm06	45399327	45399524	Gmdrm	hypo	CHG	-0.098
Gm06	45413971	45414330	Gmdrm	hypo	CHG	-0.2637
Gm06	45420734	45420871	Gmdrm	hypo	CHG	-0.0371
Gm06	45422721	45422875	Gmdrm	hypo	CHG	-0.6315
Gm06	45442407	45442537	Gmdrm	hypo	CHG	-0.0328
Gm06	45445713	45445920	Gmdrm	hypo	CHG	-0.3929
Gm06	45447463	45447909	Gmdrm	hypo	CHG	-0.3564
Gm06	45485515	45485585	Gmdrm	hypo	CHG	-0.6157
Gm06	45509023	45509129	Gmdrm	hypo	CHG	-0.26
Gm06	45509347	45509609	Gmdrm	hypo	CHG	-0.14
Gm06	45526883	45527007	Gmdrm	hypo	CHG	-0.54
Gm06	45539188	45539383	Gmdrm	hypo	CHG	-0.3573
Gm06	45549912	45550230	Gmdrm	hypo	CHG	-0.7418
Gm06	45560589	45561432	Gmdrm	hypo	CHG	-0.2644
Gm06	45574294	45574545	Gmdrm	hypo	CHG	-0.0492
Gm06	45574841	45575139	Gmdrm	hypo	CHG	-0.295
Gm06	45575245	45575585	Gmdrm	hypo	CHG	-0.3085
Gm06	45578323	45578347	Gmdrm	hypo	CHG	-0.278
Gm06	45586282	45586410	Gmdrm	hypo	CHG	-0.5633
Gm06	45589572	45589698	Gmdrm	hypo	CHG	-0.2236
Gm06	45648511	45648654	Gmdrm	hypo	CHG	-0.1566
Gm06	45654264	45654378	Gmdrm	hypo	CHG	-0.445
Gm06	45669254	45669425	Gmdrm	hypo	CHG	-0.074
Gm06	45669901	45670041	Gmdrm	hypo	CHG	-0.227
Gm06	45710644	45710831	Gmdrm	hypo	CHG	-0.596
Gm06	45713698	45713730	Gmdrm	hypo	CHG	-0.738
Gm06	45713858	45714367	Gmdrm	hypo	CHG	-0.47
Gm06	45714495	45714641	Gmdrm	hypo	CHG	-0.491
Gm06	45717002	45717143	Gmdrm	hypo	CHG	-0.37
Gm06	45731184	45731393	Gmdrm	hypo	CHG	-0.7
Gm06	45732130	45732539	Gmdrm	hypo	CHG	-0.0384
Gm06	45780652	45781080	Gmdrm	hypo	CHG	-0.3018
Gm06	45781415	45781617	Gmdrm	hypo	CHG	-0.5173
Gm06	45781848	45781995	Gmdrm	hypo	CHG	-0.575
Gm06	45782105	45782213	Gmdrm	hypo	CHG	-0.066

Gm06	45797614	45797869	Gmdrm	hypo	CHG	-0.3961
Gm06	45801407	45801477	Gmdrm	hypo	CHG	-0.41
Gm06	45802779	45802798	Gmdrm	hypo	CHG	-0.48
Gm06	45806629	45806874	Gmdrm	hypo	CHG	-0.53
Gm06	45806980	45807118	Gmdrm	hypo	CHG	-0.33
Gm06	45808376	45808718	Gmdrm	hypo	CHG	-0.2043
Gm06	45808850	45809083	Gmdrm	hypo	CHG	-0.2863
Gm06	45809203	45809353	Gmdrm	hypo	CHG	-0.4091
Gm06	45809638	45809741	Gmdrm	hypo	CHG	-0.42
Gm06	45823261	45823404	Gmdrm	hypo	CHG	-0.4614
Gm06	45826665	45826861	Gmdrm	hypo	CHG	-0.282
Gm06	45832300	45832342	Gmdrm	hypo	CHG	-0.156
Gm06	45895998	45896234	Gmdrm	hypo	CHG	-0.4766
Gm06	45905234	45905625	Gmdrm	hypo	CHG	-0.551
Gm06	45905925	45906249	Gmdrm	hypo	CHG	-0.04
Gm06	45910488	45910870	Gmdrm	hypo	CHG	-0.266
Gm06	45948976	45949195	Gmdrm	hypo	CHG	-0.03
Gm06	45957432	45957558	Gmdrm	hypo	CHG	-0.3008
Gm06	45960372	45960530	Gmdrm	hypo	CHG	-0.8478
Gm06	45967829	45968005	Gmdrm	hypo	CHG	-0.3728
Gm06	45991961	45992028	Gmdrm	hypo	CHG	-0.2843
Gm06	45992220	45992246	Gmdrm	hypo	CHG	-0.6
Gm06	45992875	45992921	Gmdrm	hypo	CHG	-0.068
Gm06	45999810	46000300	Gmdrm	hypo	CHG	-0.2831
Gm06	46011803	46012091	Gmdrm	hypo	CHG	-0.2444
Gm06	46026647	46026834	Gmdrm	hypo	CHG	-0.205
Gm06	46028489	46028525	Gmdrm	hypo	CHG	-0.216
Gm06	46029011	46029335	Gmdrm	hypo	CHG	-0.3073
Gm06	46029485	46029552	Gmdrm	hypo	CHG	-0.572
Gm06	46029892	46030067	Gmdrm	hypo	CHG	-0.4678
Gm06	46030951	46031071	Gmdrm	hypo	CHG	-0.22
Gm06	46043676	46043879	Gmdrm	hypo	CHG	-0.6642
Gm06	46046742	46046887	Gmdrm	hypo	CHG	-0.5236
Gm06	46048093	46048204	Gmdrm	hypo	CHG	-0.6033
Gm06	46058235	46058448	Gmdrm	hypo	CHG	-0.04
Gm06	46190288	46190727	Gmdrm	hypo	CHG	-0.4311
Gm06	46197393	46197511	Gmdrm	hypo	CHG	-0.74
Gm06	46219575	46219767	Gmdrm	hypo	CHG	-0.284
Gm06	46222326	46222526	Gmdrm	hypo	CHG	-0.2117
Gm06	46230272	46230415	Gmdrm	hypo	CHG	-0.05
Gm06	46230648	46230771	Gmdrm	hypo	CHG	-0.246
Gm06	46234249	46234467	Gmdrm	hypo	CHG	-0.1527
Gm06	46235233	46235752	Gmdrm	hypo	CHG	-0.3716
Gm06	46241952	46242601	Gmdrm	hypo	CHG	-0.2345
Gm06	46259772	46259887	Gmdrm	hypo	CHG	-0.55
Gm06	46263205	46263607	Gmdrm	hypo	CHG	-0.1873

Gm06	46266010	46266265	Gmdrm	hypo	CHG	-0.1157
Gm06	46271696	46271855	Gmdrm	hypo	CHG	-0.5172
Gm06	46294001	46294176	Gmdrm	hypo	CHG	-0.0414
Gm06	46299504	46299781	Gmdrm	hypo	CHG	-0.721
Gm06	46322126	46322221	Gmdrm	hypo	CHG	-0.6617
Gm06	46326706	46327441	Gmdrm	hypo	CHG	-0.7958
Gm06	46356452	46356666	Gmdrm	hypo	CHG	-0.333
Gm06	46363936	46364072	Gmdrm	hypo	CHG	-0.7308
Gm06	46367953	46368143	Gmdrm	hypo	CHG	-0.4633
Gm06	46389642	46389744	Gmdrm	hypo	CHG	-0.5884
Gm06	46401620	46401796	Gmdrm	hypo	CHG	-0.4545
Gm06	46430239	46430441	Gmdrm	hypo	CHG	-0.3291
Gm06	46430692	46430769	Gmdrm	hypo	CHG	-0.2843
Gm06	46435025	46435198	Gmdrm	hypo	CHG	-0.0518
Gm06	46438390	46438581	Gmdrm	hypo	CHG	-0.5645
Gm06	46473247	46473364	Gmdrm	hypo	CHG	-0.675
Gm06	46483766	46483851	Gmdrm	hypo	CHG	-0.64
Gm06	46486348	46486524	Gmdrm	hypo	CHG	-0.7963
Gm06	46486648	46486736	Gmdrm	hypo	CHG	-0.6738
Gm06	46488340	46488630	Gmdrm	hypo	CHG	-0.2687
Gm06	46488782	46489128	Gmdrm	hypo	CHG	-0.4118
Gm06	46489728	46489937	Gmdrm	hypo	CHG	-0.0857
Gm06	46497437	46497594	Gmdrm	hypo	CHG	-0.562
Gm06	46497961	46498250	Gmdrm	hypo	CHG	-0.4482
Gm06	46498413	46498527	Gmdrm	hypo	CHG	-0.6883
Gm06	46501672	46501826	Gmdrm	hypo	CHG	-0.6288
Gm06	46501984	46502088	Gmdrm	hypo	CHG	-0.115
Gm06	46503715	46504037	Gmdrm	hypo	CHG	-0.5629
Gm06	46507967	46508040	Gmdrm	hypo	CHG	-0.7034
Gm06	46508622	46508727	Gmdrm	hypo	CHG	-0.3117
Gm06	46525540	46525800	Gmdrm	hypo	CHG	-0.7144
Gm06	46526669	46526893	Gmdrm	hypo	CHG	-0.7616
Gm06	46527137	46527366	Gmdrm	hypo	CHG	-0.453
Gm06	46527478	46527749	Gmdrm	hypo	CHG	-0.5263
Gm06	46528673	46528705	Gmdrm	hypo	CHG	-0.14
Gm06	46550845	46551015	Gmdrm	hypo	CHG	-0.2233
Gm06	46555588	46555719	Gmdrm	hypo	CHG	-0.1958
Gm06	46555951	46556056	Gmdrm	hypo	CHG	-0.2525
Gm06	46556332	46556489	Gmdrm	hypo	CHG	-0.4737
Gm06	46556968	46557255	Gmdrm	hypo	CHG	-0.5686
Gm06	46584769	46585682	Gmdrm	hypo	CHG	-0.0828
Gm06	46585792	46586451	Gmdrm	hypo	CHG	-0.0863
Gm06	46617400	46618323	Gmdrm	hypo	CHG	-0.2816
Gm06	46618415	46618496	Gmdrm	hypo	CHG	-0.447
Gm06	46631642	46632186	Gmdrm	hypo	CHG	-0.2497
Gm06	46632762	46633052	Gmdrm	hypo	CHG	-0.2684

Gm06	46676284	46676358	Gmdrm	hypo	CHG	-0.4217
Gm06	46677432	46677445	Gmdrm	hypo	CHG	-0.11
Gm06	46677811	46678091	Gmdrm	hypo	CHG	-0.31
Gm06	46678280	46678808	Gmdrm	hypo	CHG	-0.3009
Gm06	46678929	46679004	Gmdrm	hypo	CHG	-0.33
Gm06	46696583	46696596	Gmdrm	hypo	CHG	-0.0667
Gm06	46712935	46713117	Gmdrm	hypo	CHG	-0.5337
Gm06	46714320	46714358	Gmdrm	hypo	CHG	-0.3217
Gm06	46715550	46715788	Gmdrm	hypo	CHG	-0.3205
Gm06	46717485	46718184	Gmdrm	hypo	CHG	-0.1881
Gm06	46732835	46732903	Gmdrm	hypo	CHG	-0.595
Gm06	46733169	46733283	Gmdrm	hypo	CHG	-0.4686
Gm06	46745318	46745590	Gmdrm	hypo	CHG	-0.3416
Gm06	46746204	46746321	Gmdrm	hypo	CHG	-0.442
Gm06	46747723	46747846	Gmdrm	hypo	CHG	-0.6229
Gm06	46748166	46748334	Gmdrm	hypo	CHG	-0.365
Gm06	46797274	46797354	Gmdrm	hypo	CHG	-0.5958
Gm06	46802686	46802764	Gmdrm	hypo	CHG	-0.0362
Gm06	46804192	46804433	Gmdrm	hypo	CHG	-0.0233
Gm06	46806788	46807162	Gmdrm	hypo	CHG	-0.842
Gm06	46839464	46839569	Gmdrm	hypo	CHG	-0.5834
Gm06	46841831	46842051	Gmdrm	hypo	CHG	-0.3955
Gm06	46846536	46846673	Gmdrm	hypo	CHG	-0.59
Gm06	46881250	46881428	Gmdrm	hypo	CHG	-0.6437
Gm06	46893303	46893396	Gmdrm	hypo	CHG	-0.2972
Gm06	46898501	46898904	Gmdrm	hypo	CHG	-0.4484
Gm06	46900286	46900396	Gmdrm	hypo	CHG	-0.386
Gm06	46902907	46903120	Gmdrm	hypo	CHG	-0.4008
Gm06	46903558	46903708	Gmdrm	hypo	CHG	-0.515
Gm06	46903811	46903983	Gmdrm	hypo	CHG	-0.77
Gm06	46905393	46905551	Gmdrm	hypo	CHG	-0.03
Gm06	46955626	46955810	Gmdrm	hypo	CHG	-0.036
Gm06	46958334	46958506	Gmdrm	hypo	CHG	-0.04
Gm06	46960913	46961092	Gmdrm	hypo	CHG	-0.6263
Gm06	46976638	46976697	Gmdrm	hypo	CHG	-0.745
Gm06	46994757	46994834	Gmdrm	hypo	CHG	-0.04
Gm06	46998034	46998203	Gmdrm	hypo	CHG	-0.76
Gm06	47014704	47014855	Gmdrm	hypo	CHG	-0.1488
Gm06	47022334	47022551	Gmdrm	hypo	CHG	-0.7492
Gm06	47024723	47024891	Gmdrm	hypo	CHG	-0.3089
Gm06	47030209	47030642	Gmdrm	hypo	CHG	-0.032
Gm06	47059205	47059578	Gmdrm	hypo	CHG	-0.5473
Gm06	47087952	47088148	Gmdrm	hypo	CHG	-0.3969
Gm06	47088475	47088627	Gmdrm	hypo	CHG	-0.4889
Gm06	47089536	47089711	Gmdrm	hypo	CHG	-0.04
Gm06	47090003	47090171	Gmdrm	hypo	CHG	-0.414

Gm06	47123856	47123937	Gmdrm	hypo	CHG	-0.82
Gm06	47127789	47128016	Gmdrm	hypo	CHG	-0.1877
Gm06	47129445	47129493	Gmdrm	hypo	CHG	-0.8134
Gm06	47167359	47167943	Gmdrm	hypo	CHG	-0.8405
Gm06	47169104	47169486	Gmdrm	hypo	CHG	-0.7188
Gm06	47169929	47170159	Gmdrm	hypo	CHG	-0.39
Gm06	47170327	47171075	Gmdrm	hypo	CHG	-0.4945
Gm06	47173970	47174074	Gmdrm	hypo	CHG	-0.6283
Gm06	47174330	47174431	Gmdrm	hypo	CHG	-0.632
Gm06	47174651	47174910	Gmdrm	hypo	CHG	-0.5657
Gm06	47175319	47175465	Gmdrm	hypo	CHG	-0.6817
Gm06	47175747	47175896	Gmdrm	hypo	CHG	-0.444
Gm06	47176414	47176574	Gmdrm	hypo	CHG	-0.2967
Gm06	47176685	47176881	Gmdrm	hypo	CHG	-0.2625
Gm06	47177095	47177494	Gmdrm	hypo	CHG	-0.7336
Gm06	47177635	47178617	Gmdrm	hypo	CHG	-0.8308
Gm06	47178648	47178918	Gmdrm	hypo	CHG	-0.3937
Gm06	47204299	47204318	Gmdrm	hypo	CHG	-0.814
Gm06	47228697	47228736	Gmdrm	hypo	CHG	-0.068
Gm06	47245202	47245464	Gmdrm	hypo	CHG	-0.3515
Gm06	47246077	47246147	Gmdrm	hypo	CHG	-0.17
Gm06	47292325	47292983	Gmdrm	hypo	CHG	-0.1199
Gm06	47310112	47310212	Gmdrm	hypo	CHG	-0.4229
Gm06	47324741	47325040	Gmdrm	hypo	CHG	-0.5564
Gm06	47325143	47325364	Gmdrm	hypo	CHG	-0.3481
Gm06	47331711	47331879	Gmdrm	hypo	CHG	-0.4182
Gm06	47332834	47332926	Gmdrm	hypo	CHG	-0.0657
Gm06	47333184	47333336	Gmdrm	hypo	CHG	-0.7036
Gm06	47338670	47338757	Gmdrm	hypo	CHG	-0.1086
Gm06	47342035	47342345	Gmdrm	hypo	CHG	-0.7446
Gm06	47385055	47385458	Gmdrm	hypo	CHG	-0.4454
Gm06	47421283	47421353	Gmdrm	hypo	CHG	-0.5033
Gm06	47421541	47421722	Gmdrm	hypo	CHG	-0.6367
Gm06	47426595	47426871	Gmdrm	hypo	CHG	-0.5515
Gm06	47429287	47429978	Gmdrm	hypo	CHG	-0.2984
Gm06	47435797	47435884	Gmdrm	hypo	CHG	-0.6383
Gm06	47447462	47447717	Gmdrm	hypo	CHG	-0.8312
Gm06	47462480	47462612	Gmdrm	hypo	CHG	-0.0443
Gm06	47472701	47473038	Gmdrm	hypo	CHG	-0.5112
Gm06	47475120	47475552	Gmdrm	hypo	CHG	-0.4496
Gm06	47476667	47476962	Gmdrm	hypo	CHG	-0.8943
Gm06	47491156	47491164	Gmdrm	hypo	CHG	-0.0517
Gm06	47495255	47495791	Gmdrm	hypo	CHG	-0.6838
Gm06	47496178	47496325	Gmdrm	hypo	CHG	-0.8562
Gm06	47510413	47510490	Gmdrm	hypo	CHG	-0.1884
Gm06	47512236	47512551	Gmdrm	hypo	CHG	-0.544

Gm06	47514264	47514492	Gmdrm	hypo	CHG	-0.3317
Gm06	47515122	47515364	Gmdrm	hypo	CHG	-0.279
Gm06	47515618	47515779	Gmdrm	hypo	CHG	-0.411
Gm06	47516400	47516689	Gmdrm	hypo	CHG	-0.3
Gm06	47517715	47517855	Gmdrm	hypo	CHG	-0.458
Gm06	47533830	47534117	Gmdrm	hypo	CHG	-0.3134
Gm06	47534240	47534587	Gmdrm	hypo	CHG	-0.89
Gm06	47544729	47544800	Gmdrm	hypo	CHG	-0.128
Gm06	47544910	47545170	Gmdrm	hypo	CHG	-0.6577
Gm06	47552932	47553035	Gmdrm	hypo	CHG	-0.6283
Gm06	47568013	47568148	Gmdrm	hypo	CHG	-0.5966
Gm06	47568338	47568575	Gmdrm	hypo	CHG	-0.2433
Gm06	47568768	47568889	Gmdrm	hypo	CHG	-0.048
Gm06	47576903	47577488	Gmdrm	hypo	CHG	-0.4515
Gm06	47581006	47581840	Gmdrm	hypo	CHG	-0.2569
Gm06	47606026	47606140	Gmdrm	hypo	CHG	-0.829
Gm06	47606251	47606371	Gmdrm	hypo	CHG	-0.45
Gm06	47623806	47623998	Gmdrm	hypo	CHG	-0.68
Gm06	47685143	47685334	Gmdrm	hypo	CHG	-0.42
Gm06	47686984	47687031	Gmdrm	hypo	CHG	-0.7767
Gm06	47708693	47708736	Gmdrm	hypo	CHG	-0.8163
Gm06	47713113	47713241	Gmdrm	hypo	CHG	-0.7454
Gm06	47713402	47713437	Gmdrm	hypo	CHG	-0.5914
Gm06	47718891	47719008	Gmdrm	hypo	CHG	-0.3878
Gm06	47720733	47720922	Gmdrm	hypo	CHG	-0.1016
Gm06	47726123	47726163	Gmdrm	hypo	CHG	-0.03
Gm06	47755785	47755953	Gmdrm	hypo	CHG	-0.7392
Gm06	47756244	47756357	Gmdrm	hypo	CHG	-0.04
Gm06	47779925	47780055	Gmdrm	hypo	CHG	-0.45
Gm06	47781360	47781502	Gmdrm	hypo	CHG	-0.7767
Gm06	47786737	47787021	Gmdrm	hypo	CHG	-0.7088
Gm06	47797189	47797226	Gmdrm	hypo	CHG	-0.8857
Gm06	47800184	47800416	Gmdrm	hypo	CHG	-0.034
Gm06	47801339	47801453	Gmdrm	hypo	CHG	-0.73
Gm06	47806246	47806395	Gmdrm	hypo	CHG	-0.028
Gm06	47824671	47824862	Gmdrm	hypo	CHG	-0.6745
Gm06	47844808	47844891	Gmdrm	hypo	CHG	-0.38
Gm06	47848175	47848398	Gmdrm	hypo	CHG	-0.115
Gm06	47851639	47851849	Gmdrm	hypo	CHG	-0.5737
Gm06	47851958	47852325	Gmdrm	hypo	CHG	-0.4819
Gm06	47870648	47870758	Gmdrm	hypo	CHG	-0.4743
Gm06	47881685	47882069	Gmdrm	hypo	CHG	-0.4623
Gm06	47883859	47883940	Gmdrm	hypo	CHG	-0.36
Gm06	47887478	47887868	Gmdrm	hypo	CHG	-0.5127
Gm06	47894241	47894989	Gmdrm	hypo	CHG	-0.2019
Gm06	47897564	47897757	Gmdrm	hypo	CHG	-0.5563

Gm06	47897875	47898064	Gmdrm	hypo	CHG	-0.6245
Gm06	47909657	47909814	Gmdrm	hypo	CHG	-0.3629
Gm06	47910325	47910502	Gmdrm	hypo	CHG	-0.3486
Gm06	47927920	47927982	Gmdrm	hypo	CHG	-0.2484
Gm06	47939680	47940088	Gmdrm	hypo	CHG	-0.5961
Gm06	47956839	47956934	Gmdrm	hypo	CHG	-0.638
Gm06	47957661	47957806	Gmdrm	hypo	CHG	-0.6375
Gm06	47959783	47959827	Gmdrm	hypo	CHG	-0.714
Gm06	47972284	47972367	Gmdrm	hypo	CHG	-0.16
Gm06	47980019	47980288	Gmdrm	hypo	CHG	-0.0478
Gm06	47993660	47993783	Gmdrm	hypo	CHG	-0.866
Gm06	48023961	48024399	Gmdrm	hypo	CHG	-0.244
Gm06	48027077	48027135	Gmdrm	hypo	CHG	-0.048
Gm06	48031947	48032139	Gmdrm	hypo	CHG	-0.6257
Gm06	48033865	48034237	Gmdrm	hypo	CHG	-0.3114
Gm06	48066690	48066896	Gmdrm	hypo	CHG	-0.5227
Gm06	48067226	48067387	Gmdrm	hypo	CHG	-0.6071
Gm06	48081154	48081318	Gmdrm	hypo	CHG	-0.8
Gm06	48081446	48081768	Gmdrm	hypo	CHG	-0.697
Gm06	48093539	48094026	Gmdrm	hypo	CHG	-0.725
Gm06	48181366	48181680	Gmdrm	hypo	CHG	-0.6254
Gm06	48195193	48195323	Gmdrm	hypo	CHG	-0.78
Gm06	48203311	48203700	Gmdrm	hypo	CHG	-0.1933
Gm06	48220914	48221004	Gmdrm	hypo	CHG	-0.056
Gm06	48225833	48225962	Gmdrm	hypo	CHG	-0.9457
Gm06	48231252	48231338	Gmdrm	hypo	CHG	-0.1078
Gm06	48231520	48231817	Gmdrm	hypo	CHG	-0.3864
Gm06	48245521	48245778	Gmdrm	hypo	CHG	-0.025
Gm06	48256699	48257096	Gmdrm	hypo	CHG	-0.2582
Gm06	48257253	48257365	Gmdrm	hypo	CHG	-0.21
Gm06	48257554	48257684	Gmdrm	hypo	CHG	-0.42
Gm06	48258304	48258420	Gmdrm	hypo	CHG	-0.563
Gm06	48268051	48268448	Gmdrm	hypo	CHG	-0.3685
Gm06	48268606	48268718	Gmdrm	hypo	CHG	-0.28
Gm06	48269128	48269207	Gmdrm	hypo	CHG	-0.546
Gm06	48269308	48269709	Gmdrm	hypo	CHG	-0.4148
Gm06	48271922	48272350	Gmdrm	hypo	CHG	-0.3039
Gm06	48272734	48272855	Gmdrm	hypo	CHG	-0.6156
Gm06	48273023	48273253	Gmdrm	hypo	CHG	-0.221
Gm06	48273401	48273546	Gmdrm	hypo	CHG	-0.2733
Gm06	48273886	48274164	Gmdrm	hypo	CHG	-0.5771
Gm06	48284062	48284161	Gmdrm	hypo	CHG	-0.5342
Gm06	48284462	48284619	Gmdrm	hypo	CHG	-0.445
Gm06	48285414	48285506	Gmdrm	hypo	CHG	-0.854
Gm06	48285783	48285843	Gmdrm	hypo	CHG	-0.852
Gm06	48295228	48295820	Gmdrm	hypo	CHG	-0.2922

Gm06	48299111	48299179	Gmdrm	hypo	CHG	-0.1544
Gm06	48323047	48323216	Gmdrm	hypo	CHG	-0.7022
Gm06	48323497	48323797	Gmdrm	hypo	CHG	-0.725
Gm06	48331924	48332118	Gmdrm	hypo	CHG	-0.61
Gm06	48332428	48332544	Gmdrm	hypo	CHG	-0.854
Gm06	48332684	48332812	Gmdrm	hypo	CHG	-0.84
Gm06	48337963	48338233	Gmdrm	hypo	CHG	-0.6191
Gm06	48339858	48340199	Gmdrm	hypo	CHG	-0.5224
Gm06	48341207	48341593	Gmdrm	hypo	CHG	-0.6189
Gm06	48341710	48341759	Gmdrm	hypo	CHG	-0.6267
Gm06	48362099	48362380	Gmdrm	hypo	CHG	-0.0451
Gm06	48377829	48378350	Gmdrm	hypo	CHG	-0.0329
Gm06	48382976	48383386	Gmdrm	hypo	CHG	-0.6409
Gm06	48386864	48387049	Gmdrm	hypo	CHG	-0.09
Gm06	48415159	48415930	Gmdrm	hypo	CHG	-0.372
Gm06	48416305	48416497	Gmdrm	hypo	CHG	-0.1583
Gm06	48418615	48419436	Gmdrm	hypo	CHG	-0.4925
Gm06	48420995	48421097	Gmdrm	hypo	CHG	-0.3533
Gm06	48424477	48424568	Gmdrm	hypo	CHG	-0.7087
Gm06	48424670	48424819	Gmdrm	hypo	CHG	-0.574
Gm06	48427928	48428074	Gmdrm	hypo	CHG	-0.04
Gm06	48435748	48435943	Gmdrm	hypo	CHG	-0.5557
Gm06	48436177	48436273	Gmdrm	hypo	CHG	-0.8687
Gm06	48436643	48436714	Gmdrm	hypo	CHG	-0.18
Gm06	48438913	48439196	Gmdrm	hypo	CHG	-0.4
Gm06	48449106	48449372	Gmdrm	hypo	CHG	-0.535
Gm06	48462532	48462651	Gmdrm	hypo	CHG	-0.3667
Gm06	48470743	48470857	Gmdrm	hypo	CHG	-0.48
Gm06	48471033	48471164	Gmdrm	hypo	CHG	-0.5167
Gm06	48475618	48475830	Gmdrm	hypo	CHG	-0.0872
Gm06	48524563	48524681	Gmdrm	hypo	CHG	-0.04
Gm06	48524945	48525197	Gmdrm	hypo	CHG	-0.81
Gm06	48539609	48539874	Gmdrm	hypo	CHG	-0.2092
Gm06	48556902	48556971	Gmdrm	hypo	CHG	-0.942
Gm06	48570126	48570302	Gmdrm	hypo	CHG	-0.582
Gm06	48570486	48570622	Gmdrm	hypo	CHG	-0.7223
Gm06	48570923	48571061	Gmdrm	hypo	CHG	-0.0437
Gm06	48573721	48573810	Gmdrm	hypo	CHG	-0.1413
Gm06	48578702	48578853	Gmdrm	hypo	CHG	-0.55
Gm06	48593841	48593959	Gmdrm	hypo	CHG	-0.616
Gm06	48605661	48605714	Gmdrm	hypo	CHG	-0.7433
Gm06	48617619	48617689	Gmdrm	hypo	CHG	-0.272
Gm06	48621460	48621596	Gmdrm	hypo	CHG	-0.5367
Gm06	48632117	48632533	Gmdrm	hypo	CHG	-0.5137
Gm06	48655478	48655514	Gmdrm	hypo	CHG	-0.518
Gm06	48655857	48655978	Gmdrm	hypo	CHG	-0.621

Gm06	48656093	48656171	Gmdrm	hypo	CHG	-0.6774
Gm06	48678367	48678505	Gmdrm	hypo	CHG	-0.8444
Gm06	48684342	48684507	Gmdrm	hypo	CHG	-0.281
Gm06	48685270	48685376	Gmdrm	hypo	CHG	-0.611
Gm06	48709069	48709226	Gmdrm	hypo	CHG	-0.415
Gm06	48709336	48709517	Gmdrm	hypo	CHG	-0.5043
Gm06	48710763	48710815	Gmdrm	hypo	CHG	-0.584
Gm06	48715438	48715660	Gmdrm	hypo	CHG	-0.3464
Gm06	48804030	48804206	Gmdrm	hypo	CHG	-0.0316
Gm06	48809429	48809669	Gmdrm	hypo	CHG	-0.655
Gm06	48810721	48810993	Gmdrm	hypo	CHG	-0.7277
Gm06	48834328	48834609	Gmdrm	hypo	CHG	-0.5094
Gm06	48834741	48835023	Gmdrm	hypo	CHG	-0.3236
Gm06	48837382	48837466	Gmdrm	hypo	CHG	-0.47
Gm06	48844747	48845038	Gmdrm	hypo	CHG	-0.608
Gm06	48872367	48872855	Gmdrm	hypo	CHG	-0.323
Gm06	48881742	48882219	Gmdrm	hypo	CHG	-0.4481
Gm06	48885564	48885747	Gmdrm	hypo	CHG	-0.413
Gm06	48898118	48898181	Gmdrm	hypo	CHG	-0.0671
Gm06	48898457	48898530	Gmdrm	hypo	CHG	-0.0866
Gm06	48900915	48901009	Gmdrm	hypo	CHG	-0.06
Gm06	48903619	48903694	Gmdrm	hypo	CHG	-0.2913
Gm06	48904651	48904841	Gmdrm	hypo	CHG	-0.2781
Gm06	48909231	48909532	Gmdrm	hypo	CHG	-0.1872
Gm06	48915961	48916017	Gmdrm	hypo	CHG	-0.1116
Gm06	48916297	48916483	Gmdrm	hypo	CHG	-0.16
Gm06	48924386	48924663	Gmdrm	hypo	CHG	-0.2933
Gm06	48930061	48930433	Gmdrm	hypo	CHG	-0.2466
Gm06	48948748	48948956	Gmdrm	hypo	CHG	-0.5118
Gm06	48949481	48949564	Gmdrm	hypo	CHG	-0.6734
Gm06	48957412	48957565	Gmdrm	hypo	CHG	-0.78
Gm06	48979706	48980042	Gmdrm	hypo	CHG	-0.472
Gm06	48990128	48990293	Gmdrm	hypo	CHG	-0.7134
Gm06	48997461	48997760	Gmdrm	hypo	CHG	-0.08
Gm06	49007264	49007517	Gmdrm	hypo	CHG	-0.507
Gm06	49020426	49020550	Gmdrm	hypo	CHG	-0.055
Gm06	49031395	49031534	Gmdrm	hypo	CHG	-0.3913
Gm06	49031640	49031833	Gmdrm	hypo	CHG	-0.7882
Gm06	49031946	49032005	Gmdrm	hypo	CHG	-0.875
Gm06	49032135	49032247	Gmdrm	hypo	CHG	-0.8128
Gm06	49041931	49042021	Gmdrm	hypo	CHG	-0.3826
Gm06	49042272	49042404	Gmdrm	hypo	CHG	-0.4387
Gm06	49043274	49043620	Gmdrm	hypo	CHG	-0.5025
Gm06	49045190	49045384	Gmdrm	hypo	CHG	-0.3093
Gm06	49048357	49048828	Gmdrm	hypo	CHG	-0.45
Gm06	49054353	49054691	Gmdrm	hypo	CHG	-0.8185

Gm06	49055535	49055717	Gmdrm	hypo	CHG	-0.864
Gm06	49055982	49056169	Gmdrm	hypo	CHG	-0.5383
Gm06	49056717	49056860	Gmdrm	hypo	CHG	-0.6547
Gm06	49057014	49057194	Gmdrm	hypo	CHG	-0.572
Gm06	49059471	49059686	Gmdrm	hypo	CHG	-0.1991
Gm06	49064769	49064959	Gmdrm	hypo	CHG	-0.048
Gm06	49087986	49088112	Gmdrm	hypo	CHG	-0.4667
Gm06	49109698	49110376	Gmdrm	hypo	CHG	-0.314
Gm06	49117869	49117959	Gmdrm	hypo	CHG	-0.2173
Gm06	49119917	49120372	Gmdrm	hypo	CHG	-0.4
Gm06	49120524	49120799	Gmdrm	hypo	CHG	-0.4779
Gm06	49120940	49121107	Gmdrm	hypo	CHG	-0.7575
Gm06	49155436	49155653	Gmdrm	hypo	CHG	-0.2186
Gm06	49155794	49155819	Gmdrm	hypo	CHG	-0.695
Gm06	49169411	49169518	Gmdrm	hypo	CHG	-0.026
Gm06	49193405	49193885	Gmdrm	hypo	CHG	-0.2063
Gm06	49195719	49196156	Gmdrm	hypo	CHG	-0.2694
Gm06	49216226	49216361	Gmdrm	hypo	CHG	-0.428
Gm06	49244187	49244235	Gmdrm	hypo	CHG	-0.306
Gm06	49273852	49274058	Gmdrm	hypo	CHG	-0.0413
Gm06	49332027	49332145	Gmdrm	hypo	CHG	-0.17
Gm06	49338023	49338130	Gmdrm	hypo	CHG	-0.796
Gm06	49339399	49339569	Gmdrm	hypo	CHG	-0.252
Gm06	49356198	49356448	Gmdrm	hypo	CHG	-0.0478
Gm06	49363685	49363949	Gmdrm	hypo	CHG	-0.12
Gm06	49367164	49367626	Gmdrm	hypo	CHG	-0.3843
Gm06	49370790	49371058	Gmdrm	hypo	CHG	-0.08
Gm06	49376841	49376857	Gmdrm	hypo	CHG	-0.0933
Gm06	49377146	49377376	Gmdrm	hypo	CHG	-0.3592
Gm06	49383034	49383200	Gmdrm	hypo	CHG	-0.3522
Gm06	49384133	49384369	Gmdrm	hypo	CHG	-0.05
Gm06	49391404	49391466	Gmdrm	hypo	CHG	-0.106
Gm06	49406151	49406502	Gmdrm	hypo	CHG	-0.6018
Gm06	49414451	49414518	Gmdrm	hypo	CHG	-0.1216
Gm06	49419395	49419428	Gmdrm	hypo	CHG	-0.1834
Gm06	49426042	49426180	Gmdrm	hypo	CHG	-0.148
Gm06	49442699	49442891	Gmdrm	hypo	CHG	-0.0429
Gm06	49455577	49456030	Gmdrm	hypo	CHG	-0.2683
Gm06	49459711	49459972	Gmdrm	hypo	CHG	-0.6546
Gm06	49481172	49481994	Gmdrm	hypo	CHG	-0.5826
Gm06	49482181	49482400	Gmdrm	hypo	CHG	-0.3918
Gm06	49483218	49483299	Gmdrm	hypo	CHG	-0.7249
Gm06	49484094	49484419	Gmdrm	hypo	CHG	-0.33
Gm06	49488254	49488527	Gmdrm	hypo	CHG	-0.49
Gm06	49493086	49493285	Gmdrm	hypo	CHG	-0.0877
Gm06	49494111	49494271	Gmdrm	hypo	CHG	-0.2257

Gm06	49499196	49499274	Gmdrm	hypo	CHG	-0.6933
Gm06	49499451	49499670	Gmdrm	hypo	CHG	-0.4277
Gm06	49513330	49513388	Gmdrm	hypo	CHG	-0.046
Gm06	49515158	49515560	Gmdrm	hypo	CHG	-0.0975
Gm06	49531755	49531929	Gmdrm	hypo	CHG	-0.4012
Gm06	49534479	49534637	Gmdrm	hypo	CHG	-0.241
Gm06	49563535	49563684	Gmdrm	hypo	CHG	-0.0471
Gm06	49563786	49564017	Gmdrm	hypo	CHG	-0.4233
Gm06	49570022	49570204	Gmdrm	hypo	CHG	-0.054
Gm06	49582232	49582510	Gmdrm	hypo	CHG	-0.1129
Gm06	49597865	49597909	Gmdrm	hypo	CHG	-0.905
Gm06	49598182	49598288	Gmdrm	hypo	CHG	-0.937
Gm06	49611132	49611806	Gmdrm	hypo	CHG	-0.4385
Gm06	49615136	49615344	Gmdrm	hypo	CHG	-0.0817
Gm06	49620499	49620846	Gmdrm	hypo	CHG	-0.0525
Gm06	49625396	49625858	Gmdrm	hypo	CHG	-0.0934
Gm06	49628823	49628965	Gmdrm	hypo	CHG	-0.4967
Gm06	49629224	49629264	Gmdrm	hypo	CHG	-0.474
Gm06	49637901	49638067	Gmdrm	hypo	CHG	-0.052
Gm06	49639407	49639475	Gmdrm	hypo	CHG	-0.4586
Gm06	49639650	49639709	Gmdrm	hypo	CHG	-0.3667
Gm06	49694866	49694893	Gmdrm	hypo	CHG	-0.264
Gm06	49699349	49699456	Gmdrm	hypo	CHG	-0.6333
Gm06	49704684	49705680	Gmdrm	hypo	CHG	-0.4898
Gm06	49706599	49707473	Gmdrm	hypo	CHG	-0.2115
Gm06	49721267	49721315	Gmdrm	hypo	CHG	-0.808
Gm06	49721453	49721663	Gmdrm	hypo	CHG	-0.7855
Gm06	49721773	49721870	Gmdrm	hypo	CHG	-0.5125
Gm06	49756047	49756399	Gmdrm	hypo	CHG	-0.166
Gm06	49779655	49779992	Gmdrm	hypo	CHG	-0.5839
Gm06	49781366	49781514	Gmdrm	hypo	CHG	-0.5775
Gm06	49781625	49781731	Gmdrm	hypo	CHG	-0.731
Gm06	49799854	49800788	Gmdrm	hypo	CHG	-0.1996
Gm06	49801017	49801173	Gmdrm	hypo	CHG	-0.036
Gm06	49804472	49804685	Gmdrm	hypo	CHG	-0.2757
Gm06	49821013	49821205	Gmdrm	hypo	CHG	-0.1325
Gm06	49822329	49822552	Gmdrm	hypo	CHG	-0.695
Gm06	49850227	49850382	Gmdrm	hypo	CHG	-0.1357
Gm06	49850510	49850643	Gmdrm	hypo	CHG	-0.6812
Gm06	49853865	49853919	Gmdrm	hypo	CHG	-0.5686
Gm06	49854032	49854048	Gmdrm	hypo	CHG	-0.188
Gm06	49858447	49858681	Gmdrm	hypo	CHG	-0.504
Gm06	49887174	49887323	Gmdrm	hypo	CHG	-0.633
Gm06	49894350	49894521	Gmdrm	hypo	CHG	-0.0275
Gm06	49915237	49915317	Gmdrm	hypo	CHG	-0.415
Gm06	49916698	49917044	Gmdrm	hypo	CHG	-0.5947

Gm06	49917168	49917234	Gmdrm	hypo	CHG	-0.6567
Gm06	49917506	49917597	Gmdrm	hypo	CHG	-0.125
Gm06	49917827	49917966	Gmdrm	hypo	CHG	-0.7478
Gm06	49924192	49924320	Gmdrm	hypo	CHG	-0.042
Gm06	49942831	49943072	Gmdrm	hypo	CHG	-0.05
Gm06	49947747	49947930	Gmdrm	hypo	CHG	-0.4575
Gm06	49950155	49950319	Gmdrm	hypo	CHG	-0.2488
Gm06	49951398	49951497	Gmdrm	hypo	CHG	-0.522
Gm06	49951706	49951820	Gmdrm	hypo	CHG	-0.5217
Gm06	49973596	49973756	Gmdrm	hypo	CHG	-0.04
Gm06	49977799	49978097	Gmdrm	hypo	CHG	-0.4422
Gm06	49987139	49987231	Gmdrm	hypo	CHG	-0.23
Gm06	49987528	49987668	Gmdrm	hypo	CHG	-0.705
Gm06	49990514	49990637	Gmdrm	hypo	CHG	-0.4817
Gm06	49990740	49990907	Gmdrm	hypo	CHG	-0.4467
Gm06	49991968	49992446	Gmdrm	hypo	CHG	-0.4921
Gm06	49993368	49993563	Gmdrm	hypo	CHG	-0.3567
Gm06	49997102	49997304	Gmdrm	hypo	CHG	-0.1714
Gm06	50050977	50051481	Gmdrm	hypo	CHG	-0.7272
Gm06	50063872	50063949	Gmdrm	hypo	CHG	-0.461
Gm06	50078948	50079158	Gmdrm	hypo	CHG	-0.0491
Gm06	50082791	50082868	Gmdrm	hypo	CHG	-0.7688
Gm06	50083549	50083621	Gmdrm	hypo	CHG	-0.362
Gm06	50114078	50114165	Gmdrm	hypo	CHG	-0.626
Gm06	50114278	50114347	Gmdrm	hypo	CHG	-0.7338
Gm06	50116232	50116359	Gmdrm	hypo	CHG	-0.74
Gm06	50130448	50130682	Gmdrm	hypo	CHG	-0.2233
Gm06	50134818	50135243	Gmdrm	hypo	CHG	-0.2938
Gm06	50161727	50161774	Gmdrm	hypo	CHG	-0.05
Gm06	50165606	50166064	Gmdrm	hypo	CHG	-0.32
Gm06	50179555	50179596	Gmdrm	hypo	CHG	-0.5333
Gm06	50188392	50188468	Gmdrm	hypo	CHG	-0.0983
Gm06	50188693	50188771	Gmdrm	hypo	CHG	-0.09
Gm06	50189093	50189622	Gmdrm	hypo	CHG	-0.4704
Gm06	50189852	50190532	Gmdrm	hypo	CHG	-0.5464
Gm06	50195721	50195824	Gmdrm	hypo	CHG	-0.218
Gm06	50197170	50197302	Gmdrm	hypo	CHG	-0.276
Gm06	50197482	50197577	Gmdrm	hypo	CHG	-0.678
Gm06	50199053	50199228	Gmdrm	hypo	CHG	-0.5534
Gm06	50213605	50213787	Gmdrm	hypo	CHG	-0.2891
Gm06	50220228	50220316	Gmdrm	hypo	CHG	-0.476
Gm06	50223991	50224086	Gmdrm	hypo	CHG	-0.806
Gm06	50245675	50245756	Gmdrm	hypo	CHG	-0.258
Gm06	50261894	50261959	Gmdrm	hypo	CHG	-0.585
Gm06	50263024	50263082	Gmdrm	hypo	CHG	-0.6237
Gm06	50269418	50269582	Gmdrm	hypo	CHG	-0.3767

Gm06	50316979	50317677	Gmdrm	hypo	CHG	-0.2686
Gm06	50329050	50329309	Gmdrm	hypo	CHG	-0.2418
Gm06	50330062	50330364	Gmdrm	hypo	CHG	-0.45
Gm06	50330470	50330850	Gmdrm	hypo	CHG	-0.3847
Gm06	50347672	50347952	Gmdrm	hypo	CHG	-0.2033
Gm06	50351808	50351954	Gmdrm	hypo	CHG	-0.808
Gm06	50355091	50355346	Gmdrm	hypo	CHG	-0.2446
Gm06	50367391	50367533	Gmdrm	hypo	CHG	-0.0386
Gm06	50379244	50379424	Gmdrm	hypo	CHG	-0.044
Gm06	50393056	50393174	Gmdrm	hypo	CHG	-0.4375
Gm06	50393300	50393511	Gmdrm	hypo	CHG	-0.3375
Gm06	50398804	50398949	Gmdrm	hypo	CHG	-0.526
Gm06	50402674	50403077	Gmdrm	hypo	CHG	-0.0408
Gm06	50404257	50404354	Gmdrm	hypo	CHG	-0.0529
Gm06	50458587	50458684	Gmdrm	hypo	CHG	-0.9014
Gm06	50477141	50477267	Gmdrm	hypo	CHG	-0.0742
Gm06	50479031	50479115	Gmdrm	hypo	CHG	-0.7529
Gm06	50487106	50487287	Gmdrm	hypo	CHG	-0.3628
Gm06	50491922	50492058	Gmdrm	hypo	CHG	-0.6015
Gm06	50499331	50499799	Gmdrm	hypo	CHG	-0.2658
Gm06	50547606	50547844	Gmdrm	hypo	CHG	-0.6723
Gm06	50548055	50548291	Gmdrm	hypo	CHG	-0.4557
Gm06	50565413	50565532	Gmdrm	hypo	CHG	-0.625
Gm06	50565975	50566095	Gmdrm	hypo	CHG	-0.618
Gm06	50576129	50576208	Gmdrm	hypo	CHG	-0.0462
Gm06	50579265	50579380	Gmdrm	hypo	CHG	-0.0783
Gm06	50613224	50613329	Gmdrm	hypo	CHG	-0.212
Gm06	50618724	50618961	Gmdrm	hypo	CHG	-0.0285
Gm06	50634795	50635097	Gmdrm	hypo	CHG	-0.0824
Gm06	50636317	50636702	Gmdrm	hypo	CHG	-0.6862
Gm06	50639251	50639346	Gmdrm	hypo	CHG	-0.15
Gm06	50643808	50643954	Gmdrm	hypo	CHG	-0.044
Gm06	50650036	50650153	Gmdrm	hypo	CHG	-0.2584
Gm06	50651108	50651342	Gmdrm	hypo	CHG	-0.2657
Gm06	50657250	50657415	Gmdrm	hypo	CHG	-0.3943
Gm06	50657551	50657660	Gmdrm	hypo	CHG	-0.4384
Gm06	50677115	50677254	Gmdrm	hypo	CHG	-0.0467
Gm06	50696346	50696623	Gmdrm	hypo	CHG	-0.7918
Gm06	50696928	50697168	Gmdrm	hypo	CHG	-0.6977
Gm06	50697960	50697998	Gmdrm	hypo	CHG	-0.218
Gm06	50698737	50698810	Gmdrm	hypo	CHG	-0.858
Gm06	50699033	50699144	Gmdrm	hypo	CHG	-0.5614
Gm06	50702771	50702800	Gmdrm	hypo	CHG	-0.1083
Gm06	50728277	50728443	Gmdrm	hypo	CHG	-0.5383
Gm06	50746795	50746886	Gmdrm	hypo	CHG	-0.484
Gm06	50747492	50747804	Gmdrm	hypo	CHG	-0.3912

Gm06	50752361	50752484	Gmdrm	hypo	CHG	-0.442
Gm06	50753770	50753888	Gmdrm	hypo	CHG	-0.7033
Gm06	50774194	50774390	Gmdrm	hypo	CHG	-0.63
Gm06	50776073	50776527	Gmdrm	hypo	CHG	-0.6685
Gm06	50783963	50784131	Gmdrm	hypo	CHG	-0.6884
Gm06	50785790	50785889	Gmdrm	hypo	CHG	-0.494
Gm06	50806086	50806234	Gmdrm	hypo	CHG	-0.3812
Gm06	50806541	50806678	Gmdrm	hypo	CHG	-0.488
Gm06	50808288	50808703	Gmdrm	hypo	CHG	-0.04
Gm06	50813442	50813785	Gmdrm	hypo	CHG	-0.521
Gm06	50840978	50841168	Gmdrm	hypo	CHG	-0.546
Gm06	50847903	50848901	Gmdrm	hypo	CHG	-0.3465
Gm06	50848904	50849623	Gmdrm	hypo	CHG	-0.3985
Gm06	50851492	50851660	Gmdrm	hypo	CHG	-0.3486
Gm06	50851880	50852036	Gmdrm	hypo	CHG	-0.0939
Gm06	50852164	50852275	Gmdrm	hypo	CHG	-0.1351
Gm06	50854291	50854367	Gmdrm	hypo	CHG	-0.056
Gm06	50890611	50890762	Gmdrm	hypo	CHG	-0.7663
Gm06	50891958	50892363	Gmdrm	hypo	CHG	-0.3906
Gm06_scaffo	260	387	Gmdrm	hypo	CHG	-0.1057
Gm06_scaffo	883	1083	Gmdrm	hypo	CHG	-0.4512
Gm06_scaffo	2354	2562	Gmdrm	hypo	CHG	-0.0458
Gm06_scaffo	6367	6849	Gmdrm	hypo	CHG	-0.3215
Gm06_scaffo	6998	7323	Gmdrm	hypo	CHG	-0.2294
Gm06_scaffo	7445	7641	Gmdrm	hypo	CHG	-0.1659
Gm06_scaffo	17808	18107	Gmdrm	hypo	CHG	-0.3592
Gm06_scaffo	27773	27813	Gmdrm	hypo	CHG	-0.3033
Gm06_scaffo	9328	9471	Gmdrm	hypo	CHG	-0.4213
Gm06_scaffo	12287	12457	Gmdrm	hypo	CHG	-0.5044
Gm06_scaffo	14950	15048	Gmdrm	hypo	CHG	-0.3866
Gm06_scaffo	17818	17936	Gmdrm	hypo	CHG	-0.3133
Gm06_scaffo	27475	28103	Gmdrm	hypo	CHG	-0.7169
Gm06_scaffo	29506	29809	Gmdrm	hypo	CHG	-0.47
Gm06_scaffo	1294	1686	Gmdrm	hypo	CHG	-0.29
Gm06_scaffo	2348	2573	Gmdrm	hypo	CHG	-0.2738
Gm06_scaffo	2950	3385	Gmdrm	hypo	CHG	-0.5903
Gm06_scaffo	3579	3666	Gmdrm	hypo	CHG	-0.428
Gm06_scaffo	3804	4221	Gmdrm	hypo	CHG	-0.544
Gm06_scaffo	4717	4830	Gmdrm	hypo	CHG	-0.5826
Gm06_scaffo	5824	6386	Gmdrm	hypo	CHG	-0.4343
Gm06_scaffo	9384	9658	Gmdrm	hypo	CHG	-0.313
Gm06_scaffo	10318	10446	Gmdrm	hypo	CHG	-0.4571
Gm06_scaffo	10924	11391	Gmdrm	hypo	CHG	-0.66
Gm06_scaffo	12400	12603	Gmdrm	hypo	CHG	-0.6292
Gm06_scaffo	13295	13337	Gmdrm	hypo	CHG	-0.4067
Gm06_scaffo	14392	14662	Gmdrm	hypo	CHG	-0.4877

Gm06_scaffo	63560	63885 Gmdrm	hypo	CHG	-0.1107
Gm06_scaffo	73914	74067 Gmdrm	hypo	CHG	-0.1033
Gm06_scaffo	5353	5459 Gmdrm	hypo	CHG	-0.5729
Gm06_scaffo	5701	5847 Gmdrm	hypo	CHG	-0.9371
Gm06_scaffo	13721	13812 Gmdrm	hypo	CHG	-0.04
Gm06_scaffo	29703	29793 Gmdrm	hypo	CHG	-0.046
Gm06_scaffo	42447	42911 Gmdrm	hypo	CHG	-0.3195
Gm06_scaffo	43289	43496 Gmdrm	hypo	CHG	-0.0657
Gm06_scaffo	53554	53950 Gmdrm	hypo	CHG	-0.12
Gm06_scaffo	65340	65878 Gmdrm	hypo	CHG	-0.2539
Gm06_scaffo	72853	72882 Gmdrm	hypo	CHG	-0.4967
Gm06_scaffo	73019	73125 Gmdrm	hypo	CHG	-0.8182
Gm07	1142	1210 Gmdrm	hypo	CHG	-0.0575
Gm07	4277	4480 Gmdrm	hypo	CHG	-0.1583
Gm07	14427	14788 Gmdrm	hypo	CHG	-0.4857
Gm07	14955	15164 Gmdrm	hypo	CHG	-0.5557
Gm07	36474	36581 Gmdrm	hypo	CHG	-0.4633
Gm07	38271	38424 Gmdrm	hypo	CHG	-0.688
Gm07	51957	52093 Gmdrm	hypo	CHG	-0.0443
Gm07	56963	57182 Gmdrm	hypo	CHG	-0.8608
Gm07	57443	57651 Gmdrm	hypo	CHG	-0.6531
Gm07	57907	57973 Gmdrm	hypo	CHG	-0.1916
Gm07	58280	59196 Gmdrm	hypo	CHG	-0.0958
Gm07	59296	59579 Gmdrm	hypo	CHG	-0.183
Gm07	59698	60282 Gmdrm	hypo	CHG	-0.212
Gm07	60462	60642 Gmdrm	hypo	CHG	-0.0518
Gm07	68002	68609 Gmdrm	hypo	CHG	-0.1965
Gm07	71153	71577 Gmdrm	hypo	CHG	-0.3832
Gm07	80427	80589 Gmdrm	hypo	CHG	-0.4617
Gm07	86880	87212 Gmdrm	hypo	CHG	-0.2714
Gm07	89878	89901 Gmdrm	hypo	CHG	-0.1182
Gm07	104297	104584 Gmdrm	hypo	CHG	-0.0337
Gm07	162992	163032 Gmdrm	hypo	CHG	-0.044
Gm07	163289	163382 Gmdrm	hypo	CHG	-0.088
Gm07	187840	188168 Gmdrm	hypo	CHG	-0.0362
Gm07	253929	254175 Gmdrm	hypo	CHG	-0.7192
Gm07	283459	283826 Gmdrm	hypo	CHG	-0.6619
Gm07	283947	284122 Gmdrm	hypo	CHG	-0.5241
Gm07	284298	284432 Gmdrm	hypo	CHG	-0.2171
Gm07	286306	286410 Gmdrm	hypo	CHG	-0.35
Gm07	292326	292533 Gmdrm	hypo	CHG	-0.0576
Gm07	306269	306432 Gmdrm	hypo	CHG	-0.308
Gm07	315124	315208 Gmdrm	hypo	CHG	-0.042
Gm07	366135	366793 Gmdrm	hypo	CHG	-0.0524
Gm07	375472	375820 Gmdrm	hypo	CHG	-0.0356
Gm07	395432	395703 Gmdrm	hypo	CHG	-0.566

Gm07	435454	435585 Gmdrm	hypo	CHG	-0.232
Gm07	455336	455463 Gmdrm	hypo	CHG	-0.1
Gm07	477151	477438 Gmdrm	hypo	CHG	-0.7493
Gm07	531354	531493 Gmdrm	hypo	CHG	-0.685
Gm07	534594	534678 Gmdrm	hypo	CHG	-0.46
Gm07	541638	541834 Gmdrm	hypo	CHG	-0.791
Gm07	564965	565129 Gmdrm	hypo	CHG	-0.068
Gm07	623810	623914 Gmdrm	hypo	CHG	-0.5933
Gm07	625323	625786 Gmdrm	hypo	CHG	-0.1547
Gm07	631583	631757 Gmdrm	hypo	CHG	-0.601
Gm07	632401	632491 Gmdrm	hypo	CHG	-0.6317
Gm07	666612	666905 Gmdrm	hypo	CHG	-0.8564
Gm07	667592	667728 Gmdrm	hypo	CHG	-0.7533
Gm07	671911	672385 Gmdrm	hypo	CHG	-0.036
Gm07	680301	680727 Gmdrm	hypo	CHG	-0.0347
Gm07	684754	684769 Gmdrm	hypo	CHG	-0.065
Gm07	696758	697746 Gmdrm	hypo	CHG	-0.2327
Gm07	714753	714927 Gmdrm	hypo	CHG	-0.138
Gm07	716093	716400 Gmdrm	hypo	CHG	-0.4616
Gm07	723514	724031 Gmdrm	hypo	CHG	-0.2286
Gm07	725744	726241 Gmdrm	hypo	CHG	-0.7127
Gm07	726430	726882 Gmdrm	hypo	CHG	-0.6834
Gm07	756382	756684 Gmdrm	hypo	CHG	-0.0492
Gm07	757318	757452 Gmdrm	hypo	CHG	-0.13
Gm07	770368	770639 Gmdrm	hypo	CHG	-0.458
Gm07	770754	770879 Gmdrm	hypo	CHG	-0.442
Gm07	773888	774226 Gmdrm	hypo	CHG	-0.8987
Gm07	783715	783855 Gmdrm	hypo	CHG	-0.6517
Gm07	814066	814825 Gmdrm	hypo	CHG	-0.2821
Gm07	816656	817054 Gmdrm	hypo	CHG	-0.6156
Gm07	829554	829756 Gmdrm	hypo	CHG	-0.76
Gm07	852530	852583 Gmdrm	hypo	CHG	-0.8657
Gm07	853225	853340 Gmdrm	hypo	CHG	-0.3614
Gm07	854929	855188 Gmdrm	hypo	CHG	-0.5712
Gm07	870965	871750 Gmdrm	hypo	CHG	-0.2476
Gm07	873681	873760 Gmdrm	hypo	CHG	-0.3375
Gm07	874169	874392 Gmdrm	hypo	CHG	-0.5973
Gm07	878610	878828 Gmdrm	hypo	CHG	-0.5233
Gm07	899401	899545 Gmdrm	hypo	CHG	-0.5536
Gm07	909373	909527 Gmdrm	hypo	CHG	-0.42
Gm07	925366	925492 Gmdrm	hypo	CHG	-0.042
Gm07	949224	949324 Gmdrm	hypo	CHG	-0.068
Gm07	960117	960296 Gmdrm	hypo	CHG	-0.2588
Gm07	982816	983804 Gmdrm	hypo	CHG	-0.0304
Gm07	986396	987154 Gmdrm	hypo	CHG	-0.4469
Gm07	987517	987768 Gmdrm	hypo	CHG	-0.061

Gm07	996346	996706	Gmdrm	hypo	CHG	-0.03
Gm07	1017326	1017536	Gmdrm	hypo	CHG	-0.4844
Gm07	1018386	1018504	Gmdrm	hypo	CHG	-0.2673
Gm07	1036857	1036983	Gmdrm	hypo	CHG	-0.044
Gm07	1052706	1053116	Gmdrm	hypo	CHG	-0.7259
Gm07	1053251	1053507	Gmdrm	hypo	CHG	-0.2557
Gm07	1072761	1073114	Gmdrm	hypo	CHG	-0.398
Gm07	1073230	1073390	Gmdrm	hypo	CHG	-0.3317
Gm07	1073582	1073862	Gmdrm	hypo	CHG	-0.2625
Gm07	1085958	1086014	Gmdrm	hypo	CHG	-0.026
Gm07	1088151	1088355	Gmdrm	hypo	CHG	-0.1533
Gm07	1135946	1136592	Gmdrm	hypo	CHG	-0.3976
Gm07	1136696	1136785	Gmdrm	hypo	CHG	-0.04
Gm07	1142752	1143055	Gmdrm	hypo	CHG	-0.674
Gm07	1144957	1145079	Gmdrm	hypo	CHG	-0.8178
Gm07	1152700	1152829	Gmdrm	hypo	CHG	-0.716
Gm07	1154780	1155174	Gmdrm	hypo	CHG	-0.0307
Gm07	1160411	1160595	Gmdrm	hypo	CHG	-0.046
Gm07	1169452	1169587	Gmdrm	hypo	CHG	-0.0591
Gm07	1171210	1171691	Gmdrm	hypo	CHG	-0.357
Gm07	1182225	1182399	Gmdrm	hypo	CHG	-0.1071
Gm07	1186662	1186713	Gmdrm	hypo	CHG	-0.8583
Gm07	1186841	1187034	Gmdrm	hypo	CHG	-0.5733
Gm07	1194200	1194369	Gmdrm	hypo	CHG	-0.5375
Gm07	1207496	1207586	Gmdrm	hypo	CHG	-0.04
Gm07	1214355	1214822	Gmdrm	hypo	CHG	-0.0406
Gm07	1232169	1232196	Gmdrm	hypo	CHG	-0.3883
Gm07	1232959	1233107	Gmdrm	hypo	CHG	-0.553
Gm07	1233224	1233297	Gmdrm	hypo	CHG	-0.46
Gm07	1239950	1240059	Gmdrm	hypo	CHG	-0.4543
Gm07	1250649	1251086	Gmdrm	hypo	CHG	-0.038
Gm07	1253835	1254270	Gmdrm	hypo	CHG	-0.2556
Gm07	1276303	1276699	Gmdrm	hypo	CHG	-0.2623
Gm07	1284401	1284709	Gmdrm	hypo	CHG	-0.0515
Gm07	1316718	1316900	Gmdrm	hypo	CHG	-0.3338
Gm07	1337521	1337647	Gmdrm	hypo	CHG	-0.045
Gm07	1352868	1353184	Gmdrm	hypo	CHG	-0.2608
Gm07	1363489	1363651	Gmdrm	hypo	CHG	-0.7543
Gm07	1370387	1370589	Gmdrm	hypo	CHG	-0.398
Gm07	1390156	1390301	Gmdrm	hypo	CHG	-0.046
Gm07	1405695	1406017	Gmdrm	hypo	CHG	-0.3584
Gm07	1416648	1416758	Gmdrm	hypo	CHG	-0.2528
Gm07	1432591	1432694	Gmdrm	hypo	CHG	-0.34
Gm07	1450061	1450140	Gmdrm	hypo	CHG	-0.618
Gm07	1455210	1455257	Gmdrm	hypo	CHG	-0.626
Gm07	1495539	1495587	Gmdrm	hypo	CHG	-0.024

Gm07	1508163	1508222	Gmdrm	hypo	CHG	-0.0567
Gm07	1527688	1527810	Gmdrm	hypo	CHG	-0.0433
Gm07	1560415	1560586	Gmdrm	hypo	CHG	-0.0833
Gm07	1563426	1563574	Gmdrm	hypo	CHG	-0.4633
Gm07	1565464	1565615	Gmdrm	hypo	CHG	-0.038
Gm07	1567700	1567829	Gmdrm	hypo	CHG	-0.6844
Gm07	1568132	1568216	Gmdrm	hypo	CHG	-0.5025
Gm07	1590029	1590217	Gmdrm	hypo	CHG	-0.7139
Gm07	1617890	1618170	Gmdrm	hypo	CHG	-0.0371
Gm07	1636991	1637276	Gmdrm	hypo	CHG	-0.035
Gm07	1642937	1643256	Gmdrm	hypo	CHG	-0.1693
Gm07	1643412	1643737	Gmdrm	hypo	CHG	-0.5434
Gm07	1661927	1661956	Gmdrm	hypo	CHG	-0.1678
Gm07	1741026	1741150	Gmdrm	hypo	CHG	-0.05
Gm07	1756311	1756413	Gmdrm	hypo	CHG	-0.531
Gm07	1756577	1756858	Gmdrm	hypo	CHG	-0.3747
Gm07	1762331	1762557	Gmdrm	hypo	CHG	-0.054
Gm07	1765905	1766100	Gmdrm	hypo	CHG	-0.6582
Gm07	1767434	1767531	Gmdrm	hypo	CHG	-0.05
Gm07	1783204	1783349	Gmdrm	hypo	CHG	-0.604
Gm07	1794726	1794864	Gmdrm	hypo	CHG	-0.1075
Gm07	1853318	1853333	Gmdrm	hypo	CHG	-0.0633
Gm07	1864923	1865053	Gmdrm	hypo	CHG	-0.035
Gm07	1867623	1867877	Gmdrm	hypo	CHG	-0.2323
Gm07	1872393	1872878	Gmdrm	hypo	CHG	-0.4105
Gm07	1873044	1873127	Gmdrm	hypo	CHG	-0.468
Gm07	1879173	1879640	Gmdrm	hypo	CHG	-0.05
Gm07	1881600	1881688	Gmdrm	hypo	CHG	-0.236
Gm07	1883894	1883997	Gmdrm	hypo	CHG	-0.4186
Gm07	1891693	1892230	Gmdrm	hypo	CHG	-0.5866
Gm07	1898748	1898967	Gmdrm	hypo	CHG	-0.3189
Gm07	1899271	1899495	Gmdrm	hypo	CHG	-0.323
Gm07	1913930	1914185	Gmdrm	hypo	CHG	-0.4645
Gm07	1914290	1914338	Gmdrm	hypo	CHG	-0.436
Gm07	1917534	1917731	Gmdrm	hypo	CHG	-0.595
Gm07	1918857	1918999	Gmdrm	hypo	CHG	-0.3267
Gm07	1919301	1919497	Gmdrm	hypo	CHG	-0.3076
Gm07	1923143	1923406	Gmdrm	hypo	CHG	-0.5445
Gm07	1930493	1930585	Gmdrm	hypo	CHG	-0.515
Gm07	1933272	1933456	Gmdrm	hypo	CHG	-0.0656
Gm07	1936433	1936563	Gmdrm	hypo	CHG	-0.3867
Gm07	1936789	1937013	Gmdrm	hypo	CHG	-0.422
Gm07	1942601	1942790	Gmdrm	hypo	CHG	-0.4316
Gm07	1942957	1943306	Gmdrm	hypo	CHG	-0.2869
Gm07	1943742	1943911	Gmdrm	hypo	CHG	-0.462
Gm07	1945048	1945353	Gmdrm	hypo	CHG	-0.51

Gm07	1950610	1950762	Gmdrm	hypo	CHG	-0.655
Gm07	1950874	1950949	Gmdrm	hypo	CHG	-0.815
Gm07	1951208	1951274	Gmdrm	hypo	CHG	-0.235
Gm07	1953865	1953957	Gmdrm	hypo	CHG	-0.056
Gm07	1955412	1955556	Gmdrm	hypo	CHG	-0.042
Gm07	1960412	1960583	Gmdrm	hypo	CHG	-0.349
Gm07	1960740	1960981	Gmdrm	hypo	CHG	-0.5533
Gm07	1962468	1962561	Gmdrm	hypo	CHG	-0.174
Gm07	1962675	1962709	Gmdrm	hypo	CHG	-0.38
Gm07	1963051	1963142	Gmdrm	hypo	CHG	-0.3613
Gm07	1963526	1963630	Gmdrm	hypo	CHG	-0.6286
Gm07	1963915	1964019	Gmdrm	hypo	CHG	-0.25
Gm07	1971331	1971736	Gmdrm	hypo	CHG	-0.2116
Gm07	1982462	1982634	Gmdrm	hypo	CHG	-0.702
Gm07	1995242	1995377	Gmdrm	hypo	CHG	-0.482
Gm07	1995965	1996124	Gmdrm	hypo	CHG	-0.573
Gm07	1996256	1996339	Gmdrm	hypo	CHG	-0.592
Gm07	2006250	2006381	Gmdrm	hypo	CHG	-0.042
Gm07	2035730	2035993	Gmdrm	hypo	CHG	-0.6264
Gm07	2047899	2048219	Gmdrm	hypo	CHG	-0.2472
Gm07	2060690	2060788	Gmdrm	hypo	CHG	-0.092
Gm07	2063097	2063358	Gmdrm	hypo	CHG	-0.033
Gm07	2066647	2066691	Gmdrm	hypo	CHG	-0.3033
Gm07	2070057	2070361	Gmdrm	hypo	CHG	-0.2693
Gm07	2071015	2071346	Gmdrm	hypo	CHG	-0.3531
Gm07	2076891	2077320	Gmdrm	hypo	CHG	-0.5559
Gm07	2077443	2077806	Gmdrm	hypo	CHG	-0.4
Gm07	2088360	2088452	Gmdrm	hypo	CHG	-0.3483
Gm07	2088567	2088636	Gmdrm	hypo	CHG	-0.7683
Gm07	2089176	2089414	Gmdrm	hypo	CHG	-0.2878
Gm07	2095306	2095473	Gmdrm	hypo	CHG	-0.2545
Gm07	2098437	2098633	Gmdrm	hypo	CHG	-0.37
Gm07	2098738	2098922	Gmdrm	hypo	CHG	-0.2784
Gm07	2099545	2099759	Gmdrm	hypo	CHG	-0.2237
Gm07	2101785	2102368	Gmdrm	hypo	CHG	-0.3053
Gm07	2107255	2107479	Gmdrm	hypo	CHG	-0.39
Gm07	2114007	2114089	Gmdrm	hypo	CHG	-0.54
Gm07	2114821	2115272	Gmdrm	hypo	CHG	-0.6515
Gm07	2118865	2118980	Gmdrm	hypo	CHG	-0.298
Gm07	2128637	2128755	Gmdrm	hypo	CHG	-0.8291
Gm07	2139408	2139685	Gmdrm	hypo	CHG	-0.439
Gm07	2139806	2139888	Gmdrm	hypo	CHG	-0.214
Gm07	2186004	2186197	Gmdrm	hypo	CHG	-0.4883
Gm07	2196393	2196988	Gmdrm	hypo	CHG	-0.3997
Gm07	2221239	2221533	Gmdrm	hypo	CHG	-0.0343
Gm07	2225225	2225329	Gmdrm	hypo	CHG	-0.0938

Gm07	2237660	2237901 Gmdrm	hypo	CHG	-0.8592
Gm07	2238524	2238586 Gmdrm	hypo	CHG	-0.61
Gm07	2238691	2238764 Gmdrm	hypo	CHG	-0.836
Gm07	2240117	2240230 Gmdrm	hypo	CHG	-0.6963
Gm07	2269274	2269330 Gmdrm	hypo	CHG	-0.034
Gm07	2269664	2269984 Gmdrm	hypo	CHG	-0.45
Gm07	2270104	2270143 Gmdrm	hypo	CHG	-0.038
Gm07	2275194	2275410 Gmdrm	hypo	CHG	-0.0322
Gm07	2280124	2280354 Gmdrm	hypo	CHG	-0.0429
Gm07	2296753	2297544 Gmdrm	hypo	CHG	-0.3493
Gm07	2336067	2336137 Gmdrm	hypo	CHG	-0.03
Gm07	2343104	2343230 Gmdrm	hypo	CHG	-0.08
Gm07	2352103	2352117 Gmdrm	hypo	CHG	-0.3434
Gm07	2377881	2377915 Gmdrm	hypo	CHG	-0.51
Gm07	2378668	2378685 Gmdrm	hypo	CHG	-0.642
Gm07	2378955	2379139 Gmdrm	hypo	CHG	-0.8171
Gm07	2382725	2383422 Gmdrm	hypo	CHG	-0.3526
Gm07	2393845	2394033 Gmdrm	hypo	CHG	-0.1855
Gm07	2411336	2411416 Gmdrm	hypo	CHG	-0.4258
Gm07	2411770	2411815 Gmdrm	hypo	CHG	-0.7067
Gm07	2412493	2412664 Gmdrm	hypo	CHG	-0.03
Gm07	2415226	2415446 Gmdrm	hypo	CHG	-0.2547
Gm07	2415548	2416004 Gmdrm	hypo	CHG	-0.2737
Gm07	2450580	2450635 Gmdrm	hypo	CHG	-0.0617
Gm07	2451361	2451474 Gmdrm	hypo	CHG	-0.858
Gm07	2451587	2451614 Gmdrm	hypo	CHG	-0.86
Gm07	2452015	2452122 Gmdrm	hypo	CHG	-0.6533
Gm07	2452413	2452497 Gmdrm	hypo	CHG	-0.6912
Gm07	2452612	2452759 Gmdrm	hypo	CHG	-0.6716
Gm07	2452874	2453131 Gmdrm	hypo	CHG	-0.7992
Gm07	2486538	2486709 Gmdrm	hypo	CHG	-0.3337
Gm07	2488431	2488796 Gmdrm	hypo	CHG	-0.4875
Gm07	2489463	2489815 Gmdrm	hypo	CHG	-0.5311
Gm07	2503286	2503463 Gmdrm	hypo	CHG	-0.12
Gm07	2537893	2538196 Gmdrm	hypo	CHG	-0.5675
Gm07	2538500	2538602 Gmdrm	hypo	CHG	-0.07
Gm07	2551098	2551220 Gmdrm	hypo	CHG	-0.035
Gm07	2555037	2555211 Gmdrm	hypo	CHG	-0.0486
Gm07	2581925	2582359 Gmdrm	hypo	CHG	-0.1493
Gm07	2582471	2582569 Gmdrm	hypo	CHG	-0.712
Gm07	2582702	2582795 Gmdrm	hypo	CHG	-0.8475
Gm07	2582935	2583105 Gmdrm	hypo	CHG	-0.8145
Gm07	2595180	2595789 Gmdrm	hypo	CHG	-0.5917
Gm07	2604229	2604432 Gmdrm	hypo	CHG	-0.0557
Gm07	2608826	2608877 Gmdrm	hypo	CHG	-0.054
Gm07	2614910	2615043 Gmdrm	hypo	CHG	-0.45

Gm07	2645799	2645889	Gmdrm	hypo	CHG	-0.226
Gm07	2652339	2652720	Gmdrm	hypo	CHG	-0.3594
Gm07	2687303	2687635	Gmdrm	hypo	CHG	-0.5873
Gm07	2698725	2698774	Gmdrm	hypo	CHG	-0.0863
Gm07	2702385	2702819	Gmdrm	hypo	CHG	-0.2561
Gm07	2723946	2724112	Gmdrm	hypo	CHG	-0.6086
Gm07	2724737	2724822	Gmdrm	hypo	CHG	-0.04
Gm07	2791381	2791647	Gmdrm	hypo	CHG	-0.293
Gm07	2816198	2816641	Gmdrm	hypo	CHG	-0.1464
Gm07	2847275	2847962	Gmdrm	hypo	CHG	-0.4003
Gm07	2848236	2848680	Gmdrm	hypo	CHG	-0.3654
Gm07	2877941	2878070	Gmdrm	hypo	CHG	-0.108
Gm07	2886673	2886955	Gmdrm	hypo	CHG	-0.04
Gm07	2896078	2896553	Gmdrm	hypo	CHG	-0.5819
Gm07	2897047	2897232	Gmdrm	hypo	CHG	-0.492
Gm07	2902761	2902947	Gmdrm	hypo	CHG	-0.1991
Gm07	2904803	2904945	Gmdrm	hypo	CHG	-0.471
Gm07	2905060	2905387	Gmdrm	hypo	CHG	-0.383
Gm07	2911658	2911865	Gmdrm	hypo	CHG	-0.5189
Gm07	2927359	2927576	Gmdrm	hypo	CHG	-0.0275
Gm07	2939710	2940412	Gmdrm	hypo	CHG	-0.1596
Gm07	2952486	2952568	Gmdrm	hypo	CHG	-0.962
Gm07	2952866	2953012	Gmdrm	hypo	CHG	-0.636
Gm07	2971230	2971303	Gmdrm	hypo	CHG	-0.78
Gm07	3011807	3012015	Gmdrm	hypo	CHG	-0.595
Gm07	3015947	3016234	Gmdrm	hypo	CHG	-0.0411
Gm07	3030880	3031087	Gmdrm	hypo	CHG	-0.6713
Gm07	3040128	3040299	Gmdrm	hypo	CHG	-0.735
Gm07	3040499	3040838	Gmdrm	hypo	CHG	-0.351
Gm07	3086769	3086883	Gmdrm	hypo	CHG	-0.34
Gm07	3087046	3087176	Gmdrm	hypo	CHG	-0.4142
Gm07	3087509	3087767	Gmdrm	hypo	CHG	-0.4558
Gm07	3109902	3110013	Gmdrm	hypo	CHG	-0.056
Gm07	3125418	3125771	Gmdrm	hypo	CHG	-0.2633
Gm07	3128938	3129028	Gmdrm	hypo	CHG	-0.7114
Gm07	3129130	3129294	Gmdrm	hypo	CHG	-0.739
Gm07	3129790	3129984	Gmdrm	hypo	CHG	-0.041
Gm07	3132882	3133260	Gmdrm	hypo	CHG	-0.0293
Gm07	3170066	3170259	Gmdrm	hypo	CHG	-0.3584
Gm07	3197218	3197423	Gmdrm	hypo	CHG	-0.5883
Gm07	3197755	3198217	Gmdrm	hypo	CHG	-0.7977
Gm07	3217126	3217250	Gmdrm	hypo	CHG	-0.398
Gm07	3218031	3218055	Gmdrm	hypo	CHG	-0.8967
Gm07	3221507	3221604	Gmdrm	hypo	CHG	-0.552
Gm07	3222134	3222495	Gmdrm	hypo	CHG	-0.257
Gm07	3224177	3224265	Gmdrm	hypo	CHG	-0.595

Gm07	3230128	3230377 Gmdrm	hypo	CHG	-0.7522
Gm07	3230494	3230651 Gmdrm	hypo	CHG	-0.0784
Gm07	3252786	3253075 Gmdrm	hypo	CHG	-0.4518
Gm07	3307190	3307687 Gmdrm	hypo	CHG	-0.3413
Gm07	3307895	3307989 Gmdrm	hypo	CHG	-0.6383
Gm07	3308210	3308296 Gmdrm	hypo	CHG	-0.6525
Gm07	3316977	3317165 Gmdrm	hypo	CHG	-0.79
Gm07	3327090	3327270 Gmdrm	hypo	CHG	-0.0687
Gm07	3338351	3338516 Gmdrm	hypo	CHG	-0.2467
Gm07	3338869	3339218 Gmdrm	hypo	CHG	-0.8355
Gm07	3339876	3340388 Gmdrm	hypo	CHG	-0.9165
Gm07	3342614	3343002 Gmdrm	hypo	CHG	-0.0354
Gm07	3345229	3345286 Gmdrm	hypo	CHG	-0.036
Gm07	3351817	3351971 Gmdrm	hypo	CHG	-0.026
Gm07	3355832	3356002 Gmdrm	hypo	CHG	-0.0778
Gm07	3368730	3368844 Gmdrm	hypo	CHG	-0.9229
Gm07	3369257	3369641 Gmdrm	hypo	CHG	-0.8309
Gm07	3406482	3406707 Gmdrm	hypo	CHG	-0.0412
Gm07	3414813	3415310 Gmdrm	hypo	CHG	-0.63
Gm07	3428097	3428387 Gmdrm	hypo	CHG	-0.5775
Gm07	3430422	3430526 Gmdrm	hypo	CHG	-0.3757
Gm07	3441232	3441398 Gmdrm	hypo	CHG	-0.155
Gm07	3460905	3460969 Gmdrm	hypo	CHG	-0.641
Gm07	3461089	3461271 Gmdrm	hypo	CHG	-0.5783
Gm07	3463023	3463109 Gmdrm	hypo	CHG	-0.0784
Gm07	3473350	3473455 Gmdrm	hypo	CHG	-0.758
Gm07	3473596	3473685 Gmdrm	hypo	CHG	-0.6483
Gm07	3488983	3489144 Gmdrm	hypo	CHG	-0.046
Gm07	3492373	3492495 Gmdrm	hypo	CHG	-0.0671
Gm07	3507492	3507579 Gmdrm	hypo	CHG	-0.072
Gm07	3511504	3511659 Gmdrm	hypo	CHG	-0.2525
Gm07	3518303	3518463 Gmdrm	hypo	CHG	-0.242
Gm07	3519998	3520106 Gmdrm	hypo	CHG	-0.054
Gm07	3527789	3528016 Gmdrm	hypo	CHG	-0.7381
Gm07	3529751	3529885 Gmdrm	hypo	CHG	-0.1029
Gm07	3550827	3550922 Gmdrm	hypo	CHG	-0.108
Gm07	3551974	3552013 Gmdrm	hypo	CHG	-0.734
Gm07	3567727	3567879 Gmdrm	hypo	CHG	-0.07
Gm07	3616625	3616654 Gmdrm	hypo	CHG	-0.0717
Gm07	3616760	3616902 Gmdrm	hypo	CHG	-0.7033
Gm07	3617104	3617170 Gmdrm	hypo	CHG	-0.4533
Gm07	3621191	3621288 Gmdrm	hypo	CHG	-0.43
Gm07	3621492	3621680 Gmdrm	hypo	CHG	-0.6945
Gm07	3627697	3627842 Gmdrm	hypo	CHG	-0.056
Gm07	3637490	3637544 Gmdrm	hypo	CHG	-0.6825
Gm07	3639125	3639300 Gmdrm	hypo	CHG	-0.2541

Gm07	3639476	3639647	Gmdrm	hypo	CHG	-0.7067
Gm07	3640013	3640230	Gmdrm	hypo	CHG	-0.4238
Gm07	3644648	3645152	Gmdrm	hypo	CHG	-0.2876
Gm07	3645438	3645482	Gmdrm	hypo	CHG	-0.6883
Gm07	3645791	3645959	Gmdrm	hypo	CHG	-0.546
Gm07	3651417	3651533	Gmdrm	hypo	CHG	-0.04
Gm07	3654421	3654694	Gmdrm	hypo	CHG	-0.5217
Gm07	3654941	3655002	Gmdrm	hypo	CHG	-0.5849
Gm07	3655127	3655185	Gmdrm	hypo	CHG	-0.4183
Gm07	3656322	3656379	Gmdrm	hypo	CHG	-0.3717
Gm07	3687168	3687643	Gmdrm	hypo	CHG	-0.6975
Gm07	3688792	3688964	Gmdrm	hypo	CHG	-0.63
Gm07	3721152	3721548	Gmdrm	hypo	CHG	-0.1406
Gm07	3739777	3739927	Gmdrm	hypo	CHG	-0.4184
Gm07	3742160	3742461	Gmdrm	hypo	CHG	-0.38
Gm07	3752859	3753104	Gmdrm	hypo	CHG	-0.055
Gm07	3766799	3767236	Gmdrm	hypo	CHG	-0.5945
Gm07	3772168	3772391	Gmdrm	hypo	CHG	-0.5509
Gm07	3773176	3773313	Gmdrm	hypo	CHG	-0.7907
Gm07	3785335	3785652	Gmdrm	hypo	CHG	-0.3446
Gm07	3785760	3785935	Gmdrm	hypo	CHG	-0.6067
Gm07	3802468	3802595	Gmdrm	hypo	CHG	-0.4716
Gm07	3812183	3812537	Gmdrm	hypo	CHG	-0.899
Gm07	3815541	3815781	Gmdrm	hypo	CHG	-0.065
Gm07	3833315	3833584	Gmdrm	hypo	CHG	-0.7786
Gm07	3848817	3848874	Gmdrm	hypo	CHG	-0.49
Gm07	3889239	3889739	Gmdrm	hypo	CHG	-0.0445
Gm07	3942942	3943138	Gmdrm	hypo	CHG	-0.938
Gm07	3946217	3946415	Gmdrm	hypo	CHG	-0.469
Gm07	3972836	3973322	Gmdrm	hypo	CHG	-0.3626
Gm07	3973986	3974451	Gmdrm	hypo	CHG	-0.6132
Gm07	4014934	4015567	Gmdrm	hypo	CHG	-0.3882
Gm07	4027229	4027341	Gmdrm	hypo	CHG	-0.724
Gm07	4031406	4031715	Gmdrm	hypo	CHG	-0.6469
Gm07	4031846	4031954	Gmdrm	hypo	CHG	-0.0709
Gm07	4042356	4042634	Gmdrm	hypo	CHG	-0.5918
Gm07	4050003	4050294	Gmdrm	hypo	CHG	-0.0173
Gm07	4056339	4056371	Gmdrm	hypo	CHG	-0.0808
Gm07	4060578	4060675	Gmdrm	hypo	CHG	-0.088
Gm07	4063153	4063324	Gmdrm	hypo	CHG	-0.0317
Gm07	4110842	4111116	Gmdrm	hypo	CHG	-0.5986
Gm07	4112625	4112721	Gmdrm	hypo	CHG	-0.449
Gm07	4122684	4123026	Gmdrm	hypo	CHG	-0.4053
Gm07	4123983	4124055	Gmdrm	hypo	CHG	-0.3729
Gm07	4125766	4125959	Gmdrm	hypo	CHG	-0.6507
Gm07	4144871	4144942	Gmdrm	hypo	CHG	-0.6913

Gm07	4170048	4170317 Gmdrm	hypo	CHG	-0.4508
Gm07	4203161	4203211 Gmdrm	hypo	CHG	-0.036
Gm07	4218290	4218542 Gmdrm	hypo	CHG	-0.5786
Gm07	4224721	4224799 Gmdrm	hypo	CHG	-0.2788
Gm07	4229866	4229968 Gmdrm	hypo	CHG	-0.056
Gm07	4232211	4232441 Gmdrm	hypo	CHG	-0.1563
Gm07	4253537	4253785 Gmdrm	hypo	CHG	-0.6775
Gm07	4267476	4267575 Gmdrm	hypo	CHG	-0.3917
Gm07	4278125	4278353 Gmdrm	hypo	CHG	-0.5172
Gm07	4283440	4283665 Gmdrm	hypo	CHG	-0.8975
Gm07	4307383	4307478 Gmdrm	hypo	CHG	-0.3234
Gm07	4330627	4330675 Gmdrm	hypo	CHG	-0.8557
Gm07	4332644	4332726 Gmdrm	hypo	CHG	-0.134
Gm07	4341628	4341731 Gmdrm	hypo	CHG	-0.04
Gm07	4347079	4347863 Gmdrm	hypo	CHG	-0.0833
Gm07	4366826	4367001 Gmdrm	hypo	CHG	-0.7683
Gm07	4368312	4368438 Gmdrm	hypo	CHG	-0.332
Gm07	4376685	4377045 Gmdrm	hypo	CHG	-0.5039
Gm07	4401668	4401709 Gmdrm	hypo	CHG	-0.047
Gm07	4404165	4404376 Gmdrm	hypo	CHG	-0.052
Gm07	4444088	4444190 Gmdrm	hypo	CHG	-0.05
Gm07	4445606	4445933 Gmdrm	hypo	CHG	-0.5687
Gm07	4452985	4453040 Gmdrm	hypo	CHG	-0.0837
Gm07	4453552	4454357 Gmdrm	hypo	CHG	-0.2561
Gm07	4454667	4454732 Gmdrm	hypo	CHG	-0.8471
Gm07	4454876	4455197 Gmdrm	hypo	CHG	-0.501
Gm07	4464162	4464439 Gmdrm	hypo	CHG	-0.5858
Gm07	4464614	4464861 Gmdrm	hypo	CHG	-0.795
Gm07	4489785	4490238 Gmdrm	hypo	CHG	-0.0464
Gm07	4495478	4495864 Gmdrm	hypo	CHG	-0.0438
Gm07	4500301	4500508 Gmdrm	hypo	CHG	-0.3943
Gm07	4546602	4546832 Gmdrm	hypo	CHG	-0.2216
Gm07	4555445	4555488 Gmdrm	hypo	CHG	-0.724
Gm07	4582033	4582519 Gmdrm	hypo	CHG	-0.299
Gm07	4602144	4602319 Gmdrm	hypo	CHG	-0.034
Gm07	4603242	4603502 Gmdrm	hypo	CHG	-0.4655
Gm07	4611702	4611844 Gmdrm	hypo	CHG	-0.55
Gm07	4620068	4620260 Gmdrm	hypo	CHG	-0.04
Gm07	4626894	4627070 Gmdrm	hypo	CHG	-0.7018
Gm07	4627596	4627951 Gmdrm	hypo	CHG	-0.056
Gm07	4632487	4633096 Gmdrm	hypo	CHG	-0.6588
Gm07	4669233	4669369 Gmdrm	hypo	CHG	-0.0538
Gm07	4674310	4674439 Gmdrm	hypo	CHG	-0.072
Gm07	4691292	4691518 Gmdrm	hypo	CHG	-0.679
Gm07	4694778	4694843 Gmdrm	hypo	CHG	-0.376
Gm07	4696150	4696419 Gmdrm	hypo	CHG	-0.3065

Gm07	4701567	4701659	Gmdrm	hypo	CHG	-0.0267
Gm07	4719105	4719317	Gmdrm	hypo	CHG	-0.4626
Gm07	4723993	4724368	Gmdrm	hypo	CHG	-0.6229
Gm07	4724595	4724683	Gmdrm	hypo	CHG	-0.8722
Gm07	4726553	4727052	Gmdrm	hypo	CHG	-0.4089
Gm07	4727157	4727263	Gmdrm	hypo	CHG	-0.3816
Gm07	4729506	4729655	Gmdrm	hypo	CHG	-0.275
Gm07	4730088	4730325	Gmdrm	hypo	CHG	-0.6024
Gm07	4730430	4730536	Gmdrm	hypo	CHG	-0.755
Gm07	4731272	4731635	Gmdrm	hypo	CHG	-0.0418
Gm07	4740921	4741270	Gmdrm	hypo	CHG	-0.4236
Gm07	4744830	4745155	Gmdrm	hypo	CHG	-0.2175
Gm07	4750119	4750307	Gmdrm	hypo	CHG	-0.056
Gm07	4774485	4774598	Gmdrm	hypo	CHG	-0.05
Gm07	4775007	4775137	Gmdrm	hypo	CHG	-0.6028
Gm07	4779466	4779680	Gmdrm	hypo	CHG	-0.5057
Gm07	4780113	4780407	Gmdrm	hypo	CHG	-0.4315
Gm07	4825887	4826091	Gmdrm	hypo	CHG	-0.5088
Gm07	4829463	4829578	Gmdrm	hypo	CHG	-0.9156
Gm07	4852112	4852188	Gmdrm	hypo	CHG	-0.036
Gm07	4867115	4867348	Gmdrm	hypo	CHG	-0.0367
Gm07	4874742	4874925	Gmdrm	hypo	CHG	-0.8436
Gm07	4888807	4888961	Gmdrm	hypo	CHG	-0.2138
Gm07	4912231	4912322	Gmdrm	hypo	CHG	-0.6362
Gm07	4912433	4912631	Gmdrm	hypo	CHG	-0.6622
Gm07	4921984	4922076	Gmdrm	hypo	CHG	-0.623
Gm07	4939742	4939857	Gmdrm	hypo	CHG	-0.092
Gm07	4947258	4947378	Gmdrm	hypo	CHG	-0.036
Gm07	4952429	4952727	Gmdrm	hypo	CHG	-0.4987
Gm07	4954786	4954952	Gmdrm	hypo	CHG	-0.14
Gm07	4965922	4966063	Gmdrm	hypo	CHG	-0.715
Gm07	4966718	4967029	Gmdrm	hypo	CHG	-0.9237
Gm07	5026938	5027141	Gmdrm	hypo	CHG	-0.36
Gm07	5028877	5029143	Gmdrm	hypo	CHG	-0.6067
Gm07	5034131	5034269	Gmdrm	hypo	CHG	-0.0514
Gm07	5047663	5047830	Gmdrm	hypo	CHG	-0.494
Gm07	5049986	5050231	Gmdrm	hypo	CHG	-0.0285
Gm07	5077746	5077839	Gmdrm	hypo	CHG	-0.13
Gm07	5082252	5082406	Gmdrm	hypo	CHG	-0.039
Gm07	5082672	5083016	Gmdrm	hypo	CHG	-0.174
Gm07	5095006	5095390	Gmdrm	hypo	CHG	-0.029
Gm07	5114167	5114422	Gmdrm	hypo	CHG	-0.1688
Gm07	5139113	5139667	Gmdrm	hypo	CHG	-0.3064
Gm07	5168366	5168556	Gmdrm	hypo	CHG	-0.8013
Gm07	5169170	5169272	Gmdrm	hypo	CHG	-0.5384
Gm07	5169430	5169562	Gmdrm	hypo	CHG	-0.755

Gm07	5169854	5169988	Gmdrm	hypo	CHG	-0.8534
Gm07	5180773	5181034	Gmdrm	hypo	CHG	-0.8808
Gm07	5181207	5181248	Gmdrm	hypo	CHG	-0.9212
Gm07	5184120	5184743	Gmdrm	hypo	CHG	-0.2409
Gm07	5185143	5185897	Gmdrm	hypo	CHG	-0.1815
Gm07	5224751	5224801	Gmdrm	hypo	CHG	-0.73
Gm07	5236452	5237077	Gmdrm	hypo	CHG	-0.3438
Gm07	5249220	5249318	Gmdrm	hypo	CHG	-0.4833
Gm07	5254607	5254699	Gmdrm	hypo	CHG	-0.026
Gm07	5271193	5271393	Gmdrm	hypo	CHG	-0.0671
Gm07	5276278	5276402	Gmdrm	hypo	CHG	-0.6867
Gm07	5278678	5278763	Gmdrm	hypo	CHG	-0.75
Gm07	5285662	5285989	Gmdrm	hypo	CHG	-0.7954
Gm07	5286099	5286252	Gmdrm	hypo	CHG	-0.8029
Gm07	5291697	5291860	Gmdrm	hypo	CHG	-0.1085
Gm07	5304171	5304579	Gmdrm	hypo	CHG	-0.1106
Gm07	5304939	5305345	Gmdrm	hypo	CHG	-0.44
Gm07	5315042	5315301	Gmdrm	hypo	CHG	-0.041
Gm07	5322122	5322362	Gmdrm	hypo	CHG	-0.0746
Gm07	5322880	5322992	Gmdrm	hypo	CHG	-0.5164
Gm07	5323227	5323356	Gmdrm	hypo	CHG	-0.5114
Gm07	5323644	5324005	Gmdrm	hypo	CHG	-0.6778
Gm07	5350447	5350750	Gmdrm	hypo	CHG	-0.4273
Gm07	5352689	5353023	Gmdrm	hypo	CHG	-0.2366
Gm07	5368432	5368668	Gmdrm	hypo	CHG	-0.0422
Gm07	5373198	5373244	Gmdrm	hypo	CHG	-0.775
Gm07	5387408	5387638	Gmdrm	hypo	CHG	-0.6577
Gm07	5389758	5389924	Gmdrm	hypo	CHG	-0.5845
Gm07	5398857	5398948	Gmdrm	hypo	CHG	-0.4584
Gm07	5420350	5420436	Gmdrm	hypo	CHG	-0.814
Gm07	5431368	5431414	Gmdrm	hypo	CHG	-0.026
Gm07	5436626	5436843	Gmdrm	hypo	CHG	-0.0214
Gm07	5439527	5439669	Gmdrm	hypo	CHG	-0.2522
Gm07	5442432	5442657	Gmdrm	hypo	CHG	-0.035
Gm07	5489976	5490080	Gmdrm	hypo	CHG	-0.032
Gm07	5500497	5500644	Gmdrm	hypo	CHG	-0.084
Gm07	5502549	5502901	Gmdrm	hypo	CHG	-0.2772
Gm07	5509927	5510037	Gmdrm	hypo	CHG	-0.072
Gm07	5533823	5534100	Gmdrm	hypo	CHG	-0.8027
Gm07	5534217	5534738	Gmdrm	hypo	CHG	-0.849
Gm07	5606519	5606594	Gmdrm	hypo	CHG	-0.282
Gm07	5612923	5613107	Gmdrm	hypo	CHG	-0.3337
Gm07	5639354	5639479	Gmdrm	hypo	CHG	-0.285
Gm07	5642790	5643788	Gmdrm	hypo	CHG	-0.1809
Gm07	5661789	5661960	Gmdrm	hypo	CHG	-0.4745
Gm07	5673602	5673770	Gmdrm	hypo	CHG	-0.5438

Gm07	5674588	5674764	Gmdrm	hypo	CHG	-0.0414
Gm07	5674973	5675111	Gmdrm	hypo	CHG	-0.0467
Gm07	5688363	5688808	Gmdrm	hypo	CHG	-0.4236
Gm07	5706731	5706938	Gmdrm	hypo	CHG	-0.5009
Gm07	5716460	5716507	Gmdrm	hypo	CHG	-0.694
Gm07	5722187	5722948	Gmdrm	hypo	CHG	-0.3033
Gm07	5742752	5742918	Gmdrm	hypo	CHG	-0.325
Gm07	5744430	5744553	Gmdrm	hypo	CHG	-0.07
Gm07	5753420	5754188	Gmdrm	hypo	CHG	-0.4521
Gm07	5761212	5761244	Gmdrm	hypo	CHG	-0.77
Gm07	5761371	5761455	Gmdrm	hypo	CHG	-0.8843
Gm07	5767151	5767464	Gmdrm	hypo	CHG	-0.3557
Gm07	5769535	5769632	Gmdrm	hypo	CHG	-0.0566
Gm07	5771614	5771829	Gmdrm	hypo	CHG	-0.3716
Gm07	5804270	5804361	Gmdrm	hypo	CHG	-0.275
Gm07	5834115	5834495	Gmdrm	hypo	CHG	-0.1525
Gm07	5835074	5835173	Gmdrm	hypo	CHG	-0.1867
Gm07	5857112	5857380	Gmdrm	hypo	CHG	-0.0414
Gm07	5874880	5874943	Gmdrm	hypo	CHG	-0.038
Gm07	5890044	5890174	Gmdrm	hypo	CHG	-0.7781
Gm07	5900891	5901119	Gmdrm	hypo	CHG	-0.03
Gm07	5905717	5905860	Gmdrm	hypo	CHG	-0.3822
Gm07	5905962	5906156	Gmdrm	hypo	CHG	-0.706
Gm07	5907459	5907802	Gmdrm	hypo	CHG	-0.045
Gm07	5910743	5910928	Gmdrm	hypo	CHG	-0.8041
Gm07	5911037	5911161	Gmdrm	hypo	CHG	-0.5437
Gm07	5911269	5911481	Gmdrm	hypo	CHG	-0.2392
Gm07	5915514	5915535	Gmdrm	hypo	CHG	-0.5533
Gm07	5915643	5916642	Gmdrm	hypo	CHG	-0.2027
Gm07	5930972	5931125	Gmdrm	hypo	CHG	-0.4267
Gm07	5973094	5973383	Gmdrm	hypo	CHG	-0.5859
Gm07	6000070	6000179	Gmdrm	hypo	CHG	-0.3814
Gm07	6006113	6006214	Gmdrm	hypo	CHG	-0.765
Gm07	6010433	6010567	Gmdrm	hypo	CHG	-0.205
Gm07	6011374	6011485	Gmdrm	hypo	CHG	-0.3014
Gm07	6014281	6014521	Gmdrm	hypo	CHG	-0.2464
Gm07	6014701	6014984	Gmdrm	hypo	CHG	-0.3044
Gm07	6032737	6033127	Gmdrm	hypo	CHG	-0.1527
Gm07	6033373	6033637	Gmdrm	hypo	CHG	-0.6789
Gm07	6034625	6034707	Gmdrm	hypo	CHG	-0.04
Gm07	6038534	6038627	Gmdrm	hypo	CHG	-0.6933
Gm07	6038770	6038903	Gmdrm	hypo	CHG	-0.398
Gm07	6055617	6056343	Gmdrm	hypo	CHG	-0.1574
Gm07	6057185	6057350	Gmdrm	hypo	CHG	-0.0428
Gm07	6066984	6067147	Gmdrm	hypo	CHG	-0.505
Gm07	6087654	6087933	Gmdrm	hypo	CHG	-0.5854

Gm07	6101920	6101954 Gmdrm	hypo	CHG	-0.085
Gm07	6102091	6102127 Gmdrm	hypo	CHG	-0.924
Gm07	6102415	6102493 Gmdrm	hypo	CHG	-0.796
Gm07	6106591	6106914 Gmdrm	hypo	CHG	-0.2988
Gm07	6108355	6108469 Gmdrm	hypo	CHG	-0.11
Gm07	6109586	6109735 Gmdrm	hypo	CHG	-0.7825
Gm07	6117065	6117159 Gmdrm	hypo	CHG	-0.2267
Gm07	6118792	6118894 Gmdrm	hypo	CHG	-0.3434
Gm07	6140419	6140557 Gmdrm	hypo	CHG	-0.6133
Gm07	6140973	6141482 Gmdrm	hypo	CHG	-0.5257
Gm07	6177137	6177206 Gmdrm	hypo	CHG	-0.4817
Gm07	6199763	6199958 Gmdrm	hypo	CHG	-0.068
Gm07	6201841	6202148 Gmdrm	hypo	CHG	-0.767
Gm07	6210939	6211196 Gmdrm	hypo	CHG	-0.6233
Gm07	6240344	6240397 Gmdrm	hypo	CHG	-0.3358
Gm07	6242765	6243025 Gmdrm	hypo	CHG	-0.455
Gm07	6252607	6252824 Gmdrm	hypo	CHG	-0.0478
Gm07	6262636	6262781 Gmdrm	hypo	CHG	-0.2943
Gm07	6284484	6284755 Gmdrm	hypo	CHG	-0.0578
Gm07	6291376	6291845 Gmdrm	hypo	CHG	-0.2121
Gm07	6324228	6324280 Gmdrm	hypo	CHG	-0.4917
Gm07	6324779	6325017 Gmdrm	hypo	CHG	-0.46
Gm07	6325766	6326088 Gmdrm	hypo	CHG	-0.0728
Gm07	6355731	6355870 Gmdrm	hypo	CHG	-0.525
Gm07	6356382	6356508 Gmdrm	hypo	CHG	-0.5233
Gm07	6361737	6361858 Gmdrm	hypo	CHG	-0.23
Gm07	6394516	6395068 Gmdrm	hypo	CHG	-0.329
Gm07	6395334	6395558 Gmdrm	hypo	CHG	-0.6346
Gm07	6423090	6423304 Gmdrm	hypo	CHG	-0.0546
Gm07	6428887	6429179 Gmdrm	hypo	CHG	-0.075
Gm07	6435940	6435998 Gmdrm	hypo	CHG	-0.69
Gm07	6436596	6436758 Gmdrm	hypo	CHG	-0.8829
Gm07	6440859	6441051 Gmdrm	hypo	CHG	-0.33
Gm07	6442055	6442162 Gmdrm	hypo	CHG	-0.145
Gm07	6461315	6461347 Gmdrm	hypo	CHG	-0.7314
Gm07	6467837	6468009 Gmdrm	hypo	CHG	-0.0445
Gm07	6470617	6470954 Gmdrm	hypo	CHG	-0.7654
Gm07	6474786	6474913 Gmdrm	hypo	CHG	-0.7314
Gm07	6487371	6487398 Gmdrm	hypo	CHG	-0.2628
Gm07	6523308	6523370 Gmdrm	hypo	CHG	-0.634
Gm07	6523637	6523720 Gmdrm	hypo	CHG	-0.9167
Gm07	6524839	6525107 Gmdrm	hypo	CHG	-0.7138
Gm07	6525292	6525392 Gmdrm	hypo	CHG	-0.13
Gm07	6525544	6525884 Gmdrm	hypo	CHG	-0.4037
Gm07	6542979	6543104 Gmdrm	hypo	CHG	-0.8433
Gm07	6543254	6543512 Gmdrm	hypo	CHG	-0.9236

Gm07	6547289	6547434	Gmdrm	hypo	CHG	-0.068
Gm07	6548729	6549402	Gmdrm	hypo	CHG	-0.028
Gm07	6565817	6566002	Gmdrm	hypo	CHG	-0.0462
Gm07	6567005	6567163	Gmdrm	hypo	CHG	-0.046
Gm07	6570912	6571742	Gmdrm	hypo	CHG	-0.3282
Gm07	6582390	6582841	Gmdrm	hypo	CHG	-0.0407
Gm07	6587471	6587900	Gmdrm	hypo	CHG	-0.2318
Gm07	6588521	6588848	Gmdrm	hypo	CHG	-0.0881
Gm07	6589652	6590049	Gmdrm	hypo	CHG	-0.0438
Gm07	6598024	6598257	Gmdrm	hypo	CHG	-0.2838
Gm07	6598466	6598623	Gmdrm	hypo	CHG	-0.6978
Gm07	6614830	6614892	Gmdrm	hypo	CHG	-0.25
Gm07	6619753	6620158	Gmdrm	hypo	CHG	-0.2179
Gm07	6620379	6620742	Gmdrm	hypo	CHG	-0.1323
Gm07	6624961	6625095	Gmdrm	hypo	CHG	-0.6487
Gm07	6627762	6628025	Gmdrm	hypo	CHG	-0.04
Gm07	6629942	6630340	Gmdrm	hypo	CHG	-0.4742
Gm07	6633002	6633047	Gmdrm	hypo	CHG	-0.18
Gm07	6643496	6643844	Gmdrm	hypo	CHG	-0.38
Gm07	6655545	6655945	Gmdrm	hypo	CHG	-0.3525
Gm07	6656917	6657027	Gmdrm	hypo	CHG	-0.056
Gm07	6660078	6660715	Gmdrm	hypo	CHG	-0.0878
Gm07	6673754	6673993	Gmdrm	hypo	CHG	-0.5507
Gm07	6689281	6689887	Gmdrm	hypo	CHG	-0.52
Gm07	6689998	6690114	Gmdrm	hypo	CHG	-0.7866
Gm07	6690540	6690705	Gmdrm	hypo	CHG	-0.6543
Gm07	6690973	6691034	Gmdrm	hypo	CHG	-0.405
Gm07	6691311	6691639	Gmdrm	hypo	CHG	-0.5589
Gm07	6693470	6693635	Gmdrm	hypo	CHG	-0.4851
Gm07	6701776	6702059	Gmdrm	hypo	CHG	-0.7815
Gm07	6702168	6702254	Gmdrm	hypo	CHG	-0.8915
Gm07	6702468	6702586	Gmdrm	hypo	CHG	-0.8144
Gm07	6703375	6703415	Gmdrm	hypo	CHG	-0.0617
Gm07	6710885	6710992	Gmdrm	hypo	CHG	-0.6343
Gm07	6742686	6742882	Gmdrm	hypo	CHG	-0.3878
Gm07	6743574	6744211	Gmdrm	hypo	CHG	-0.6194
Gm07	6749103	6749304	Gmdrm	hypo	CHG	-0.44
Gm07	6749486	6749944	Gmdrm	hypo	CHG	-0.4921
Gm07	6752140	6752371	Gmdrm	hypo	CHG	-0.639
Gm07	6759263	6759377	Gmdrm	hypo	CHG	-0.9278
Gm07	6760180	6760511	Gmdrm	hypo	CHG	-0.639
Gm07	6760618	6760869	Gmdrm	hypo	CHG	-0.4473
Gm07	6760973	6761030	Gmdrm	hypo	CHG	-0.977
Gm07	6774568	6775017	Gmdrm	hypo	CHG	-0.6965
Gm07	6775385	6775498	Gmdrm	hypo	CHG	-0.4335
Gm07	6799404	6799611	Gmdrm	hypo	CHG	-0.8088

Gm07	6799719	6799854	Gmdrm	hypo	CHG	-0.7717
Gm07	6813688	6813925	Gmdrm	hypo	CHG	-0.1931
Gm07	6818756	6819009	Gmdrm	hypo	CHG	-0.6569
Gm07	6819111	6819279	Gmdrm	hypo	CHG	-0.3556
Gm07	6821998	6822164	Gmdrm	hypo	CHG	-0.347
Gm07	6825610	6825706	Gmdrm	hypo	CHG	-0.056
Gm07	6825975	6826039	Gmdrm	hypo	CHG	-0.3983
Gm07	6826265	6826470	Gmdrm	hypo	CHG	-0.7712
Gm07	6826814	6826867	Gmdrm	hypo	CHG	-0.932
Gm07	6832434	6832546	Gmdrm	hypo	CHG	-0.289
Gm07	6843005	6843110	Gmdrm	hypo	CHG	-0.734
Gm07	6859623	6859793	Gmdrm	hypo	CHG	-0.036
Gm07	6874757	6875037	Gmdrm	hypo	CHG	-0.3
Gm07	6905525	6905568	Gmdrm	hypo	CHG	-0.3034
Gm07	6920012	6920186	Gmdrm	hypo	CHG	-0.28
Gm07	6941898	6942113	Gmdrm	hypo	CHG	-0.225
Gm07	6942331	6942560	Gmdrm	hypo	CHG	-0.4873
Gm07	6958996	6959162	Gmdrm	hypo	CHG	-0.3478
Gm07	6959362	6959484	Gmdrm	hypo	CHG	-0.6175
Gm07	6988201	6988730	Gmdrm	hypo	CHG	-0.2225
Gm07	6993223	6993360	Gmdrm	hypo	CHG	-0.3725
Gm07	7006575	7006729	Gmdrm	hypo	CHG	-0.739
Gm07	7006918	7007292	Gmdrm	hypo	CHG	-0.5895
Gm07	7023880	7023982	Gmdrm	hypo	CHG	-0.226
Gm07	7026882	7027192	Gmdrm	hypo	CHG	-0.395
Gm07	7030558	7031078	Gmdrm	hypo	CHG	-0.0777
Gm07	7038276	7038405	Gmdrm	hypo	CHG	-0.5344
Gm07	7044037	7044343	Gmdrm	hypo	CHG	-0.7179
Gm07	7044458	7044708	Gmdrm	hypo	CHG	-0.7859
Gm07	7047656	7047709	Gmdrm	hypo	CHG	-0.044
Gm07	7060336	7060464	Gmdrm	hypo	CHG	-0.6967
Gm07	7072572	7072655	Gmdrm	hypo	CHG	-0.6387
Gm07	7082018	7082071	Gmdrm	hypo	CHG	-0.1938
Gm07	7086420	7086801	Gmdrm	hypo	CHG	-0.2394
Gm07	7097726	7097862	Gmdrm	hypo	CHG	-0.3847
Gm07	7100577	7100789	Gmdrm	hypo	CHG	-0.0437
Gm07	7107140	7107230	Gmdrm	hypo	CHG	-0.2363
Gm07	7113197	7113251	Gmdrm	hypo	CHG	-0.2429
Gm07	7128666	7128802	Gmdrm	hypo	CHG	-0.7575
Gm07	7156765	7157059	Gmdrm	hypo	CHG	-0.4366
Gm07	7163463	7163734	Gmdrm	hypo	CHG	-0.7114
Gm07	7163853	7164090	Gmdrm	hypo	CHG	-0.823
Gm07	7166480	7166703	Gmdrm	hypo	CHG	-0.0615
Gm07	7168948	7169026	Gmdrm	hypo	CHG	-0.0343
Gm07	7176595	7176703	Gmdrm	hypo	CHG	-0.33
Gm07	7178608	7179007	Gmdrm	hypo	CHG	-0.1212

Gm07	7179429	7179808	Gmdrm	hypo	CHG	-0.4618
Gm07	7202085	7202359	Gmdrm	hypo	CHG	-0.4773
Gm07	7207470	7207789	Gmdrm	hypo	CHG	-0.5811
Gm07	7231551	7231627	Gmdrm	hypo	CHG	-0.5857
Gm07	7231743	7232189	Gmdrm	hypo	CHG	-0.3091
Gm07	7236331	7236394	Gmdrm	hypo	CHG	-0.038
Gm07	7237381	7237537	Gmdrm	hypo	CHG	-0.6716
Gm07	7239996	7240106	Gmdrm	hypo	CHG	-0.336
Gm07	7245588	7245752	Gmdrm	hypo	CHG	-0.5713
Gm07	7251680	7251765	Gmdrm	hypo	CHG	-0.04
Gm07	7257305	7257579	Gmdrm	hypo	CHG	-0.0415
Gm07	7262808	7263304	Gmdrm	hypo	CHG	-0.2489
Gm07	7312207	7312480	Gmdrm	hypo	CHG	-0.7707
Gm07	7312584	7312718	Gmdrm	hypo	CHG	-0.7285
Gm07	7324616	7324970	Gmdrm	hypo	CHG	-0.2931
Gm07	7350372	7350510	Gmdrm	hypo	CHG	-0.0857
Gm07	7355958	7356234	Gmdrm	hypo	CHG	-0.3707
Gm07	7359988	7360205	Gmdrm	hypo	CHG	-0.6026
Gm07	7360698	7360874	Gmdrm	hypo	CHG	-0.5255
Gm07	7360988	7361672	Gmdrm	hypo	CHG	-0.3638
Gm07	7392656	7392906	Gmdrm	hypo	CHG	-0.42
Gm07	7393044	7393200	Gmdrm	hypo	CHG	-0.3071
Gm07	7394299	7394402	Gmdrm	hypo	CHG	-0.7633
Gm07	7407976	7408067	Gmdrm	hypo	CHG	-0.7066
Gm07	7418024	7418303	Gmdrm	hypo	CHG	-0.02
Gm07	7422655	7422835	Gmdrm	hypo	CHG	-0.51
Gm07	7422943	7423160	Gmdrm	hypo	CHG	-0.742
Gm07	7425020	7425266	Gmdrm	hypo	CHG	-0.7585
Gm07	7432628	7432663	Gmdrm	hypo	CHG	-0.5462
Gm07	7452180	7452265	Gmdrm	hypo	CHG	-0.048
Gm07	7455829	7456309	Gmdrm	hypo	CHG	-0.5235
Gm07	7456559	7456677	Gmdrm	hypo	CHG	-0.8274
Gm07	7457673	7457946	Gmdrm	hypo	CHG	-0.2177
Gm07	7467992	7468165	Gmdrm	hypo	CHG	-0.6995
Gm07	7468885	7469007	Gmdrm	hypo	CHG	-0.2082
Gm07	7473434	7473796	Gmdrm	hypo	CHG	-0.5304
Gm07	7474193	7474272	Gmdrm	hypo	CHG	-0.658
Gm07	7479034	7479101	Gmdrm	hypo	CHG	-0.418
Gm07	7479319	7479581	Gmdrm	hypo	CHG	-0.7847
Gm07	7492835	7493433	Gmdrm	hypo	CHG	-0.7005
Gm07	7503393	7503618	Gmdrm	hypo	CHG	-0.7383
Gm07	7503991	7504204	Gmdrm	hypo	CHG	-0.1184
Gm07	7510224	7510449	Gmdrm	hypo	CHG	-0.7143
Gm07	7510617	7510733	Gmdrm	hypo	CHG	-0.1986
Gm07	7515452	7515576	Gmdrm	hypo	CHG	-0.632
Gm07	7515703	7515870	Gmdrm	hypo	CHG	-0.686

Gm07	7515978	7516212	Gmdrm	hypo	CHG	-0.3358
Gm07	7537982	7538055	Gmdrm	hypo	CHG	-0.115
Gm07	7558869	7559121	Gmdrm	hypo	CHG	-0.4742
Gm07	7559243	7559590	Gmdrm	hypo	CHG	-0.5424
Gm07	7575506	7575590	Gmdrm	hypo	CHG	-0.815
Gm07	7580532	7580692	Gmdrm	hypo	CHG	-0.7011
Gm07	7588841	7589399	Gmdrm	hypo	CHG	-0.1978
Gm07	7589511	7589953	Gmdrm	hypo	CHG	-0.4757
Gm07	7590773	7591017	Gmdrm	hypo	CHG	-0.0375
Gm07	7591938	7592057	Gmdrm	hypo	CHG	-0.479
Gm07	7594154	7594293	Gmdrm	hypo	CHG	-0.3563
Gm07	7596171	7596571	Gmdrm	hypo	CHG	-0.7991
Gm07	7598810	7598979	Gmdrm	hypo	CHG	-0.0483
Gm07	7605909	7606072	Gmdrm	hypo	CHG	-0.8113
Gm07	7619932	7620883	Gmdrm	hypo	CHG	-0.1215
Gm07	7636866	7636955	Gmdrm	hypo	CHG	-0.302
Gm07	7637638	7637720	Gmdrm	hypo	CHG	-0.1462
Gm07	7639819	7640262	Gmdrm	hypo	CHG	-0.4235
Gm07	7647786	7648147	Gmdrm	hypo	CHG	-0.04
Gm07	7655602	7655776	Gmdrm	hypo	CHG	-0.0543
Gm07	7675425	7675562	Gmdrm	hypo	CHG	-0.052
Gm07	7675819	7676098	Gmdrm	hypo	CHG	-0.4766
Gm07	7680363	7680424	Gmdrm	hypo	CHG	-0.53
Gm07	7680953	7681400	Gmdrm	hypo	CHG	-0.663
Gm07	7681730	7682106	Gmdrm	hypo	CHG	-0.06
Gm07	7688941	7689051	Gmdrm	hypo	CHG	-0.046
Gm07	7690394	7690539	Gmdrm	hypo	CHG	-0.19
Gm07	7693672	7693757	Gmdrm	hypo	CHG	-0.802
Gm07	7720968	7721390	Gmdrm	hypo	CHG	-0.7291
Gm07	7730291	7730406	Gmdrm	hypo	CHG	-0.8453
Gm07	7739380	7739647	Gmdrm	hypo	CHG	-0.5579
Gm07	7739783	7739863	Gmdrm	hypo	CHG	-0.335
Gm07	7745776	7746141	Gmdrm	hypo	CHG	-0.0415
Gm07	7763703	7763812	Gmdrm	hypo	CHG	-0.0533
Gm07	7769147	7769324	Gmdrm	hypo	CHG	-0.0434
Gm07	7779268	7779458	Gmdrm	hypo	CHG	-0.3669
Gm07	7787477	7787810	Gmdrm	hypo	CHG	-0.2694
Gm07	7793911	7794024	Gmdrm	hypo	CHG	-0.176
Gm07	7800707	7800925	Gmdrm	hypo	CHG	-0.3211
Gm07	7822525	7822569	Gmdrm	hypo	CHG	-0.042
Gm07	7838510	7838788	Gmdrm	hypo	CHG	-0.666
Gm07	7848387	7848735	Gmdrm	hypo	CHG	-0.6507
Gm07	7848872	7849215	Gmdrm	hypo	CHG	-0.4462
Gm07	7849416	7849508	Gmdrm	hypo	CHG	-0.213
Gm07	7857159	7857350	Gmdrm	hypo	CHG	-0.8629
Gm07	7857809	7858040	Gmdrm	hypo	CHG	-0.8473

Gm07	7858490	7858618 Gmdrm	hypo	CHG	-0.7729
Gm07	7863305	7863338 Gmdrm	hypo	CHG	-0.522
Gm07	7875550	7875956 Gmdrm	hypo	CHG	-0.0513
Gm07	7876233	7876423 Gmdrm	hypo	CHG	-0.6125
Gm07	7907677	7908050 Gmdrm	hypo	CHG	-0.05
Gm07	7916530	7916898 Gmdrm	hypo	CHG	-0.6295
Gm07	7932325	7932437 Gmdrm	hypo	CHG	-0.6883
Gm07	7933010	7933114 Gmdrm	hypo	CHG	-0.484
Gm07	7933918	7933989 Gmdrm	hypo	CHG	-0.206
Gm07	7937423	7937481 Gmdrm	hypo	CHG	-0.678
Gm07	7946349	7946426 Gmdrm	hypo	CHG	-0.692
Gm07	7946607	7946686 Gmdrm	hypo	CHG	-0.53
Gm07	7963649	7963861 Gmdrm	hypo	CHG	-0.726
Gm07	7964015	7964176 Gmdrm	hypo	CHG	-0.6622
Gm07	7965032	7965420 Gmdrm	hypo	CHG	-0.5179
Gm07	7965527	7965634 Gmdrm	hypo	CHG	-0.5186
Gm07	7974781	7975139 Gmdrm	hypo	CHG	-0.4727
Gm07	7977215	7977622 Gmdrm	hypo	CHG	-0.12
Gm07	7978239	7978523 Gmdrm	hypo	CHG	-0.3728
Gm07	7980159	7980389 Gmdrm	hypo	CHG	-0.6269
Gm07	7980908	7981057 Gmdrm	hypo	CHG	-0.3767
Gm07	7981185	7981701 Gmdrm	hypo	CHG	-0.6114
Gm07	7982016	7982194 Gmdrm	hypo	CHG	-0.0315
Gm07	7986330	7986446 Gmdrm	hypo	CHG	-0.3551
Gm07	7986801	7986938 Gmdrm	hypo	CHG	-0.3342
Gm07	8001360	8001418 Gmdrm	hypo	CHG	-0.764
Gm07	8001652	8001749 Gmdrm	hypo	CHG	-0.1
Gm07	8004204	8004345 Gmdrm	hypo	CHG	-0.427
Gm07	8004671	8004816 Gmdrm	hypo	CHG	-0.8372
Gm07	8004921	8005056 Gmdrm	hypo	CHG	-0.7337
Gm07	8008769	8008861 Gmdrm	hypo	CHG	-0.445
Gm07	8025199	8025590 Gmdrm	hypo	CHG	-0.4515
Gm07	8026784	8026878 Gmdrm	hypo	CHG	-0.1167
Gm07	8034607	8034726 Gmdrm	hypo	CHG	-0.068
Gm07	8058146	8058342 Gmdrm	hypo	CHG	-0.6837
Gm07	8058464	8058636 Gmdrm	hypo	CHG	-0.7986
Gm07	8058759	8058857 Gmdrm	hypo	CHG	-0.8867
Gm07	8064431	8064697 Gmdrm	hypo	CHG	-0.3686
Gm07	8068752	8068928 Gmdrm	hypo	CHG	-0.1017
Gm07	8069935	8070031 Gmdrm	hypo	CHG	-0.5475
Gm07	8070248	8070544 Gmdrm	hypo	CHG	-0.555
Gm07	8090687	8091040 Gmdrm	hypo	CHG	-0.5975
Gm07	8091781	8091861 Gmdrm	hypo	CHG	-0.182
Gm07	8113843	8113982 Gmdrm	hypo	CHG	-0.61
Gm07	8122942	8122959 Gmdrm	hypo	CHG	-0.374
Gm07	8130154	8130412 Gmdrm	hypo	CHG	-0.5633

Gm07	8130639	8130842	Gmdrm	hypo	CHG	-0.6425
Gm07	8130981	8131135	Gmdrm	hypo	CHG	-0.315
Gm07	8136884	8136967	Gmdrm	hypo	CHG	-0.34
Gm07	8141504	8141955	Gmdrm	hypo	CHG	-0.2334
Gm07	8153705	8153984	Gmdrm	hypo	CHG	-0.04
Gm07	8206455	8206787	Gmdrm	hypo	CHG	-0.5813
Gm07	8215789	8216071	Gmdrm	hypo	CHG	-0.5883
Gm07	8216268	8216477	Gmdrm	hypo	CHG	-0.656
Gm07	8223955	8224120	Gmdrm	hypo	CHG	-0.4322
Gm07	8237729	8238023	Gmdrm	hypo	CHG	-0.0336
Gm07	8244646	8244800	Gmdrm	hypo	CHG	-0.6614
Gm07	8244937	8245058	Gmdrm	hypo	CHG	-0.8712
Gm07	8245333	8245438	Gmdrm	hypo	CHG	-0.665
Gm07	8247008	8247108	Gmdrm	hypo	CHG	-0.6667
Gm07	8247236	8247680	Gmdrm	hypo	CHG	-0.74
Gm07	8267692	8267849	Gmdrm	hypo	CHG	-0.3434
Gm07	8276143	8276328	Gmdrm	hypo	CHG	-0.4088
Gm07	8305826	8306073	Gmdrm	hypo	CHG	-0.2515
Gm07	8307849	8308053	Gmdrm	hypo	CHG	-0.6212
Gm07	8310758	8310815	Gmdrm	hypo	CHG	-0.458
Gm07	8343054	8343257	Gmdrm	hypo	CHG	-0.0543
Gm07	8343518	8343626	Gmdrm	hypo	CHG	-0.4163
Gm07	8344672	8344878	Gmdrm	hypo	CHG	-0.2278
Gm07	8344995	8345098	Gmdrm	hypo	CHG	-0.5999
Gm07	8382007	8382201	Gmdrm	hypo	CHG	-0.6151
Gm07	8425873	8425945	Gmdrm	hypo	CHG	-0.378
Gm07	8437265	8437442	Gmdrm	hypo	CHG	-0.3865
Gm07	8445465	8445519	Gmdrm	hypo	CHG	-0.5
Gm07	8454003	8454297	Gmdrm	hypo	CHG	-0.485
Gm07	8454590	8454755	Gmdrm	hypo	CHG	-0.6914
Gm07	8459912	8460193	Gmdrm	hypo	CHG	-0.0423
Gm07	8464088	8464199	Gmdrm	hypo	CHG	-0.022
Gm07	8481864	8482103	Gmdrm	hypo	CHG	-0.0385
Gm07	8483848	8484105	Gmdrm	hypo	CHG	-0.8885
Gm07	8486827	8487598	Gmdrm	hypo	CHG	-0.451
Gm07	8488871	8489082	Gmdrm	hypo	CHG	-0.5172
Gm07	8494758	8495666	Gmdrm	hypo	CHG	-0.148
Gm07	8515461	8515628	Gmdrm	hypo	CHG	-0.585
Gm07	8519094	8519307	Gmdrm	hypo	CHG	-0.0767
Gm07	8525837	8526212	Gmdrm	hypo	CHG	-0.034
Gm07	8528276	8528959	Gmdrm	hypo	CHG	-0.4174
Gm07	8530041	8530197	Gmdrm	hypo	CHG	-0.53
Gm07	8549193	8549667	Gmdrm	hypo	CHG	-0.3774
Gm07	8549968	8550013	Gmdrm	hypo	CHG	-0.5771
Gm07	8563580	8563709	Gmdrm	hypo	CHG	-0.7834
Gm07	8564017	8564130	Gmdrm	hypo	CHG	-0.6533

Gm07	8564462	8564596	Gmdrm	hypo	CHG	-0.595
Gm07	8568107	8568187	Gmdrm	hypo	CHG	-0.5083
Gm07	8568470	8568708	Gmdrm	hypo	CHG	-0.199
Gm07	8569369	8569428	Gmdrm	hypo	CHG	-0.6643
Gm07	8569594	8569894	Gmdrm	hypo	CHG	-0.4753
Gm07	8576740	8576831	Gmdrm	hypo	CHG	-0.6123
Gm07	8581950	8582394	Gmdrm	hypo	CHG	-0.0462
Gm07	8591612	8591832	Gmdrm	hypo	CHG	-0.65
Gm07	8592109	8592123	Gmdrm	hypo	CHG	-0.9367
Gm07	8639163	8639280	Gmdrm	hypo	CHG	-0.13
Gm07	8640119	8640343	Gmdrm	hypo	CHG	-0.036
Gm07	8692298	8692690	Gmdrm	hypo	CHG	-0.3168
Gm07	8692948	8693299	Gmdrm	hypo	CHG	-0.0594
Gm07	8705867	8705897	Gmdrm	hypo	CHG	-0.67
Gm07	8710165	8710333	Gmdrm	hypo	CHG	-0.1929
Gm07	8712321	8712475	Gmdrm	hypo	CHG	-0.605
Gm07	8738749	8738932	Gmdrm	hypo	CHG	-0.0627
Gm07	8756163	8756355	Gmdrm	hypo	CHG	-0.3666
Gm07	8758172	8758729	Gmdrm	hypo	CHG	-0.4147
Gm07	8777140	8777291	Gmdrm	hypo	CHG	-0.135
Gm07	8790910	8790997	Gmdrm	hypo	CHG	-0.89
Gm07	8792226	8792595	Gmdrm	hypo	CHG	-0.0524
Gm07	8815393	8815559	Gmdrm	hypo	CHG	-0.2266
Gm07	8816640	8816775	Gmdrm	hypo	CHG	-0.78
Gm07	8817383	8817651	Gmdrm	hypo	CHG	-0.552
Gm07	8825949	8826184	Gmdrm	hypo	CHG	-0.8769
Gm07	8826366	8826529	Gmdrm	hypo	CHG	-0.2989
Gm07	8846851	8847173	Gmdrm	hypo	CHG	-0.523
Gm07	8853004	8853085	Gmdrm	hypo	CHG	-0.2771
Gm07	8874629	8874781	Gmdrm	hypo	CHG	-0.3731
Gm07	8886839	8887154	Gmdrm	hypo	CHG	-0.831
Gm07	8924530	8924909	Gmdrm	hypo	CHG	-0.83
Gm07	8958512	8958930	Gmdrm	hypo	CHG	-0.2763
Gm07	8969912	8969952	Gmdrm	hypo	CHG	-0.4083
Gm07	8997992	8998109	Gmdrm	hypo	CHG	-0.4621
Gm07	9006040	9006988	Gmdrm	hypo	CHG	-0.1545
Gm07	9007053	9007168	Gmdrm	hypo	CHG	-0.345
Gm07	9014618	9014791	Gmdrm	hypo	CHG	-0.5833
Gm07	9014899	9014985	Gmdrm	hypo	CHG	-0.72
Gm07	9023660	9024064	Gmdrm	hypo	CHG	-0.61
Gm07	9062804	9063158	Gmdrm	hypo	CHG	-0.215
Gm07	9080801	9080904	Gmdrm	hypo	CHG	-0.034
Gm07	9088577	9088665	Gmdrm	hypo	CHG	-0.115
Gm07	9105244	9105293	Gmdrm	hypo	CHG	-0.346
Gm07	9135269	9135573	Gmdrm	hypo	CHG	-0.3059
Gm07	9162902	9163892	Gmdrm	hypo	CHG	-0.1604

Gm07	9183526	9184003	Gmdrm	hypo	CHG	-0.2471
Gm07	9248067	9248271	Gmdrm	hypo	CHG	-0.7158
Gm07	9249739	9249989	Gmdrm	hypo	CHG	-0.1393
Gm07	9250405	9250670	Gmdrm	hypo	CHG	-0.3779
Gm07	9254223	9254574	Gmdrm	hypo	CHG	-0.0437
Gm07	9259518	9259781	Gmdrm	hypo	CHG	-0.22
Gm07	9263620	9263720	Gmdrm	hypo	CHG	-0.71
Gm07	9267879	9268282	Gmdrm	hypo	CHG	-0.19
Gm07	9297134	9297319	Gmdrm	hypo	CHG	-0.0467
Gm07	9305151	9305611	Gmdrm	hypo	CHG	-0.1492
Gm07	9309501	9310451	Gmdrm	hypo	CHG	-0.1191
Gm07	9325242	9325423	Gmdrm	hypo	CHG	-0.3208
Gm07	9326865	9327557	Gmdrm	hypo	CHG	-0.1585
Gm07	9327664	9327852	Gmdrm	hypo	CHG	-0.508
Gm07	9334084	9334299	Gmdrm	hypo	CHG	-0.0572
Gm07	9343224	9343464	Gmdrm	hypo	CHG	-0.4269
Gm07	9360400	9360453	Gmdrm	hypo	CHG	-0.052
Gm07	9360554	9360772	Gmdrm	hypo	CHG	-0.0444
Gm07	9366592	9366789	Gmdrm	hypo	CHG	-0.2425
Gm07	9368409	9368688	Gmdrm	hypo	CHG	-0.4354
Gm07	9369764	9369924	Gmdrm	hypo	CHG	-0.032
Gm07	9394362	9394716	Gmdrm	hypo	CHG	-0.0458
Gm07	9395340	9395499	Gmdrm	hypo	CHG	-0.076
Gm07	9401646	9401873	Gmdrm	hypo	CHG	-0.028
Gm07	9420142	9420412	Gmdrm	hypo	CHG	-0.6244
Gm07	9420587	9421023	Gmdrm	hypo	CHG	-0.2597
Gm07	9431693	9431725	Gmdrm	hypo	CHG	-0.048
Gm07	9436283	9436512	Gmdrm	hypo	CHG	-0.6091
Gm07	9440982	9441157	Gmdrm	hypo	CHG	-0.38
Gm07	9441738	9441954	Gmdrm	hypo	CHG	-0.056
Gm07	9442783	9442879	Gmdrm	hypo	CHG	-0.092
Gm07	9443180	9443375	Gmdrm	hypo	CHG	-0.6922
Gm07	9444184	9444230	Gmdrm	hypo	CHG	-0.4316
Gm07	9454987	9455032	Gmdrm	hypo	CHG	-0.1333
Gm07	9457615	9457681	Gmdrm	hypo	CHG	-0.6437
Gm07	9474771	9474908	Gmdrm	hypo	CHG	-0.31
Gm07	9497138	9497338	Gmdrm	hypo	CHG	-0.0383
Gm07	9513327	9513751	Gmdrm	hypo	CHG	-0.288
Gm07	9530612	9530742	Gmdrm	hypo	CHG	-0.3966
Gm07	9544984	9545315	Gmdrm	hypo	CHG	-0.4718
Gm07	9552842	9553381	Gmdrm	hypo	CHG	-0.3439
Gm07	9573340	9573435	Gmdrm	hypo	CHG	-0.6366
Gm07	9580463	9580645	Gmdrm	hypo	CHG	-0.069
Gm07	9595288	9595406	Gmdrm	hypo	CHG	-0.65
Gm07	9616111	9616221	Gmdrm	hypo	CHG	-0.7886
Gm07	9618238	9618445	Gmdrm	hypo	CHG	-0.0386

Gm07	9619303	9619819	Gmdrm	hypo	CHG	-0.2661
Gm07	9620195	9620351	Gmdrm	hypo	CHG	-0.04
Gm07	9625159	9625404	Gmdrm	hypo	CHG	-0.495
Gm07	9632207	9632445	Gmdrm	hypo	CHG	-0.8962
Gm07	9633083	9633413	Gmdrm	hypo	CHG	-0.702
Gm07	9648463	9648653	Gmdrm	hypo	CHG	-0.1271
Gm07	9649942	9650141	Gmdrm	hypo	CHG	-0.507
Gm07	9660979	9661063	Gmdrm	hypo	CHG	-0.1616
Gm07	9662969	9663625	Gmdrm	hypo	CHG	-0.1559
Gm07	9667972	9668142	Gmdrm	hypo	CHG	-0.0736
Gm07	9670752	9670874	Gmdrm	hypo	CHG	-0.275
Gm07	9671124	9671365	Gmdrm	hypo	CHG	-0.3855
Gm07	9673788	9673976	Gmdrm	hypo	CHG	-0.2237
Gm07	9688952	9688993	Gmdrm	hypo	CHG	-0.088
Gm07	9689845	9689895	Gmdrm	hypo	CHG	-0.0883
Gm07	9690034	9690096	Gmdrm	hypo	CHG	-0.4283
Gm07	9694979	9695253	Gmdrm	hypo	CHG	-0.3962
Gm07	9695597	9695825	Gmdrm	hypo	CHG	-0.4225
Gm07	9695932	9696056	Gmdrm	hypo	CHG	-0.38
Gm07	9696235	9696345	Gmdrm	hypo	CHG	-0.5666
Gm07	9701095	9701297	Gmdrm	hypo	CHG	-0.1067
Gm07	9720219	9720390	Gmdrm	hypo	CHG	-0.579
Gm07	9720623	9721095	Gmdrm	hypo	CHG	-0.5363
Gm07	9744499	9744820	Gmdrm	hypo	CHG	-0.3737
Gm07	9758970	9759069	Gmdrm	hypo	CHG	-0.2671
Gm07	9760903	9760931	Gmdrm	hypo	CHG	-0.352
Gm07	9766209	9766476	Gmdrm	hypo	CHG	-0.0688
Gm07	9784827	9784941	Gmdrm	hypo	CHG	-0.8734
Gm07	9785330	9785478	Gmdrm	hypo	CHG	-0.646
Gm07	9785595	9786367	Gmdrm	hypo	CHG	-0.5256
Gm07	9800246	9800417	Gmdrm	hypo	CHG	-0.529
Gm07	9800660	9800807	Gmdrm	hypo	CHG	-0.955
Gm07	9801126	9801221	Gmdrm	hypo	CHG	-0.7875
Gm07	9814770	9814939	Gmdrm	hypo	CHG	-0.268
Gm07	9817606	9817745	Gmdrm	hypo	CHG	-0.3977
Gm07	9820851	9820895	Gmdrm	hypo	CHG	-0.6167
Gm07	9825933	9826478	Gmdrm	hypo	CHG	-0.5538
Gm07	9829407	9830318	Gmdrm	hypo	CHG	-0.1401
Gm07	9830589	9830793	Gmdrm	hypo	CHG	-0.1865
Gm07	9830941	9831159	Gmdrm	hypo	CHG	-0.2517
Gm07	9831270	9831498	Gmdrm	hypo	CHG	-0.3104
Gm07	9832923	9833305	Gmdrm	hypo	CHG	-0.6176
Gm07	9835321	9835337	Gmdrm	hypo	CHG	-0.33
Gm07	9835442	9835523	Gmdrm	hypo	CHG	-0.5133
Gm07	9839705	9839760	Gmdrm	hypo	CHG	-0.377
Gm07	9844333	9844397	Gmdrm	hypo	CHG	-0.1717

Gm07	9846143	9846254	Gmdrm	hypo	CHG	-0.5133
Gm07	9846371	9846572	Gmdrm	hypo	CHG	-0.37
Gm07	9849065	9849124	Gmdrm	hypo	CHG	-0.7311
Gm07	9849281	9849563	Gmdrm	hypo	CHG	-0.47
Gm07	9851869	9852019	Gmdrm	hypo	CHG	-0.495
Gm07	9867029	9867124	Gmdrm	hypo	CHG	-0.29
Gm07	9875588	9875684	Gmdrm	hypo	CHG	-0.8367
Gm07	9883289	9883471	Gmdrm	hypo	CHG	-0.05
Gm07	9885277	9885418	Gmdrm	hypo	CHG	-0.443
Gm07	9886836	9886987	Gmdrm	hypo	CHG	-0.0314
Gm07	9888553	9888918	Gmdrm	hypo	CHG	-0.063
Gm07	9893980	9894192	Gmdrm	hypo	CHG	-0.0458
Gm07	9946563	9946584	Gmdrm	hypo	CHG	-0.286
Gm07	9964853	9965066	Gmdrm	hypo	CHG	-0.066
Gm07	9967281	9967802	Gmdrm	hypo	CHG	-0.0669
Gm07	10001244	10001530	Gmdrm	hypo	CHG	-0.5225
Gm07	10013235	10013391	Gmdrm	hypo	CHG	-0.342
Gm07	10014004	10014270	Gmdrm	hypo	CHG	-0.3673
Gm07	10014436	10014523	Gmdrm	hypo	CHG	-0.3776
Gm07	10016137	10016401	Gmdrm	hypo	CHG	-0.3655
Gm07	10019841	10020000	Gmdrm	hypo	CHG	-0.3917
Gm07	10023141	10023542	Gmdrm	hypo	CHG	-0.06
Gm07	10037920	10038113	Gmdrm	hypo	CHG	-0.6623
Gm07	10038414	10038695	Gmdrm	hypo	CHG	-0.6109
Gm07	10040258	10040393	Gmdrm	hypo	CHG	-0.612
Gm07	10046496	10046638	Gmdrm	hypo	CHG	-0.3769
Gm07	10046951	10047083	Gmdrm	hypo	CHG	-0.8015
Gm07	10055972	10056077	Gmdrm	hypo	CHG	-0.24
Gm07	10068895	10068950	Gmdrm	hypo	CHG	-0.206
Gm07	10073444	10073598	Gmdrm	hypo	CHG	-0.58
Gm07	10079888	10079975	Gmdrm	hypo	CHG	-0.054
Gm07	10081123	10081259	Gmdrm	hypo	CHG	-0.0329
Gm07	10089270	10089284	Gmdrm	hypo	CHG	-0.5817
Gm07	10091467	10091523	Gmdrm	hypo	CHG	-0.034
Gm07	10098371	10098933	Gmdrm	hypo	CHG	-0.4378
Gm07	10103982	10104067	Gmdrm	hypo	CHG	-0.53
Gm07	10104227	10104244	Gmdrm	hypo	CHG	-0.664
Gm07	10104580	10104622	Gmdrm	hypo	CHG	-0.586
Gm07	10104729	10104828	Gmdrm	hypo	CHG	-0.586
Gm07	10105051	10105343	Gmdrm	hypo	CHG	-0.6743
Gm07	10130029	10130185	Gmdrm	hypo	CHG	-0.4971
Gm07	10130902	10131148	Gmdrm	hypo	CHG	-0.6577
Gm07	10132294	10132368	Gmdrm	hypo	CHG	-0.4517
Gm07	10135972	10136070	Gmdrm	hypo	CHG	-0.445
Gm07	10140635	10140743	Gmdrm	hypo	CHG	-0.0867
Gm07	10140879	10141213	Gmdrm	hypo	CHG	-0.28

Gm07	10141360	10141953	Gmdrm	hypo	CHG	-0.2203
Gm07	10142073	10142346	Gmdrm	hypo	CHG	-0.025
Gm07	10148158	10148396	Gmdrm	hypo	CHG	-0.1088
Gm07	10152891	10152944	Gmdrm	hypo	CHG	-0.038
Gm07	10153182	10153341	Gmdrm	hypo	CHG	-0.09
Gm07	10153844	10153925	Gmdrm	hypo	CHG	-0.7183
Gm07	10154888	10154912	Gmdrm	hypo	CHG	-0.804
Gm07	10155038	10155298	Gmdrm	hypo	CHG	-0.76
Gm07	10173994	10174011	Gmdrm	hypo	CHG	-0.06
Gm07	10238096	10238347	Gmdrm	hypo	CHG	-0.3947
Gm07	10238487	10238802	Gmdrm	hypo	CHG	-0.2714
Gm07	10256888	10256945	Gmdrm	hypo	CHG	-0.4717
Gm07	10278786	10278863	Gmdrm	hypo	CHG	-0.32
Gm07	10303842	10303866	Gmdrm	hypo	CHG	-0.874
Gm07	10309669	10309815	Gmdrm	hypo	CHG	-0.748
Gm07	10324040	10324206	Gmdrm	hypo	CHG	-0.675
Gm07	10403504	10404101	Gmdrm	hypo	CHG	-0.3404
Gm07	10421764	10421959	Gmdrm	hypo	CHG	-0.0556
Gm07	10422093	10422498	Gmdrm	hypo	CHG	-0.5906
Gm07	10425612	10425681	Gmdrm	hypo	CHG	-0.0611
Gm07	10433104	10433375	Gmdrm	hypo	CHG	-0.1633
Gm07	10434676	10434890	Gmdrm	hypo	CHG	-0.058
Gm07	10436549	10437086	Gmdrm	hypo	CHG	-0.2974
Gm07	10443810	10444122	Gmdrm	hypo	CHG	-0.725
Gm07	10444256	10444364	Gmdrm	hypo	CHG	-0.5687
Gm07	10444543	10444636	Gmdrm	hypo	CHG	-0.215
Gm07	10450511	10450703	Gmdrm	hypo	CHG	-0.8382
Gm07	10459918	10460018	Gmdrm	hypo	CHG	-0.6086
Gm07	10467572	10467718	Gmdrm	hypo	CHG	-0.7316
Gm07	10481479	10481588	Gmdrm	hypo	CHG	-0.566
Gm07	10483096	10483346	Gmdrm	hypo	CHG	-0.4262
Gm07	10496902	10497028	Gmdrm	hypo	CHG	-0.055
Gm07	10526456	10526577	Gmdrm	hypo	CHG	-0.56
Gm07	10574819	10575026	Gmdrm	hypo	CHG	-0.3391
Gm07	10579670	10579862	Gmdrm	hypo	CHG	-0.7186
Gm07	10580180	10580315	Gmdrm	hypo	CHG	-0.8382
Gm07	10590514	10590721	Gmdrm	hypo	CHG	-0.1585
Gm07	10631053	10631263	Gmdrm	hypo	CHG	-0.6633
Gm07	10633983	10634058	Gmdrm	hypo	CHG	-0.8917
Gm07	10634201	10634536	Gmdrm	hypo	CHG	-0.8
Gm07	10634655	10634854	Gmdrm	hypo	CHG	-0.4125
Gm07	10636899	10636933	Gmdrm	hypo	CHG	-0.648
Gm07	10701407	10701865	Gmdrm	hypo	CHG	-0.8137
Gm07	10701972	10702252	Gmdrm	hypo	CHG	-0.6207
Gm07	10704843	10705055	Gmdrm	hypo	CHG	-0.5729
Gm07	10723092	10723176	Gmdrm	hypo	CHG	-0.41

Gm07	10757851	10757888	Gmdrm	hypo	CHG	-0.848
Gm07	10845892	10846027	Gmdrm	hypo	CHG	-0.3667
Gm07	10846128	10846284	Gmdrm	hypo	CHG	-0.53
Gm07	10846422	10846732	Gmdrm	hypo	CHG	-0.3177
Gm07	10853581	10853854	Gmdrm	hypo	CHG	-0.8184
Gm07	10862396	10862514	Gmdrm	hypo	CHG	-0.6
Gm07	10905189	10905373	Gmdrm	hypo	CHG	-0.6734
Gm07	10911092	10911314	Gmdrm	hypo	CHG	-0.665
Gm07	10936659	10936827	Gmdrm	hypo	CHG	-0.0243
Gm07	10987203	10987566	Gmdrm	hypo	CHG	-0.5742
Gm07	10988252	10988485	Gmdrm	hypo	CHG	-0.5026
Gm07	11027420	11027574	Gmdrm	hypo	CHG	-0.5583
Gm07	11130495	11131052	Gmdrm	hypo	CHG	-0.4286
Gm07	11133942	11134936	Gmdrm	hypo	CHG	-0.1797
Gm07	11176973	11177341	Gmdrm	hypo	CHG	-0.145
Gm07	11197147	11197308	Gmdrm	hypo	CHG	-0.5287
Gm07	11310553	11310776	Gmdrm	hypo	CHG	-0.7791
Gm07	11313338	11313600	Gmdrm	hypo	CHG	-0.2933
Gm07	11349289	11349463	Gmdrm	hypo	CHG	-0.0638
Gm07	11350700	11350788	Gmdrm	hypo	CHG	-0.038
Gm07	11354368	11354736	Gmdrm	hypo	CHG	-0.53
Gm07	11369591	11370039	Gmdrm	hypo	CHG	-0.2861
Gm07	11375687	11375791	Gmdrm	hypo	CHG	-0.2437
Gm07	11396330	11396520	Gmdrm	hypo	CHG	-0.2151
Gm07	11399234	11399345	Gmdrm	hypo	CHG	-0.03
Gm07	11403862	11403958	Gmdrm	hypo	CHG	-0.4134
Gm07	11415477	11415547	Gmdrm	hypo	CHG	-0.8554
Gm07	11415656	11415709	Gmdrm	hypo	CHG	-0.83
Gm07	11431715	11431885	Gmdrm	hypo	CHG	-0.4377
Gm07	11443238	11443609	Gmdrm	hypo	CHG	-0.2437
Gm07	11448097	11448112	Gmdrm	hypo	CHG	-0.175
Gm07	11448995	11449049	Gmdrm	hypo	CHG	-0.7183
Gm07	11497134	11497621	Gmdrm	hypo	CHG	-0.563
Gm07	11497765	11498038	Gmdrm	hypo	CHG	-0.6205
Gm07	11498181	11498232	Gmdrm	hypo	CHG	-0.5074
Gm07	11498357	11498391	Gmdrm	hypo	CHG	-0.0886
Gm07	11535677	11536275	Gmdrm	hypo	CHG	-0.0318
Gm07	11537037	11537259	Gmdrm	hypo	CHG	-0.0483
Gm07	11541460	11541583	Gmdrm	hypo	CHG	-0.535
Gm07	11559161	11559458	Gmdrm	hypo	CHG	-0.6947
Gm07	11563022	11563230	Gmdrm	hypo	CHG	-0.0328
Gm07	11563657	11564055	Gmdrm	hypo	CHG	-0.052
Gm07	11571698	11571952	Gmdrm	hypo	CHG	-0.4223
Gm07	11585866	11586596	Gmdrm	hypo	CHG	-0.1055
Gm07	11626385	11627242	Gmdrm	hypo	CHG	-0.2124
Gm07	11641298	11641565	Gmdrm	hypo	CHG	-0.4433

Gm07	11661476	11661809	Gmdrm	hypo	CHG	-0.6246
Gm07	11661976	11662069	Gmdrm	hypo	CHG	-0.8286
Gm07	11679072	11679277	Gmdrm	hypo	CHG	-0.7837
Gm07	11679398	11679580	Gmdrm	hypo	CHG	-0.8438
Gm07	11679802	11680199	Gmdrm	hypo	CHG	-0.6229
Gm07	11691771	11691923	Gmdrm	hypo	CHG	-0.1616
Gm07	11705681	11705795	Gmdrm	hypo	CHG	-0.35
Gm07	11731588	11731783	Gmdrm	hypo	CHG	-0.0316
Gm07	11762022	11762223	Gmdrm	hypo	CHG	-0.2851
Gm07	11781653	11782214	Gmdrm	hypo	CHG	-0.2743
Gm07	11788572	11788885	Gmdrm	hypo	CHG	-0.2061
Gm07	11789428	11789715	Gmdrm	hypo	CHG	-0.7491
Gm07	11812794	11812842	Gmdrm	hypo	CHG	-0.2957
Gm07	11843194	11843670	Gmdrm	hypo	CHG	-0.4233
Gm07	11844466	11844622	Gmdrm	hypo	CHG	-0.7164
Gm07	11845069	11845154	Gmdrm	hypo	CHG	-0.6638
Gm07	11848024	11848129	Gmdrm	hypo	CHG	-0.506
Gm07	11871953	11872137	Gmdrm	hypo	CHG	-0.7893
Gm07	11905223	11905437	Gmdrm	hypo	CHG	-0.3715
Gm07	11918164	11918460	Gmdrm	hypo	CHG	-0.26
Gm07	11920287	11920451	Gmdrm	hypo	CHG	-0.0633
Gm07	11990102	11990324	Gmdrm	hypo	CHG	-0.2475
Gm07	12035281	12035401	Gmdrm	hypo	CHG	-0.5806
Gm07	12035670	12035878	Gmdrm	hypo	CHG	-0.5834
Gm07	12036092	12036327	Gmdrm	hypo	CHG	-0.85
Gm07	12046276	12046840	Gmdrm	hypo	CHG	-0.215
Gm07	12136302	12136740	Gmdrm	hypo	CHG	-0.1576
Gm07	12136915	12136931	Gmdrm	hypo	CHG	-0.4771
Gm07	12230339	12230377	Gmdrm	hypo	CHG	-0.14
Gm07	12275102	12275154	Gmdrm	hypo	CHG	-0.59
Gm07	12308883	12309101	Gmdrm	hypo	CHG	-0.7462
Gm07	12309228	12309421	Gmdrm	hypo	CHG	-0.2742
Gm07	12311868	12312347	Gmdrm	hypo	CHG	-0.4377
Gm07	12328467	12328623	Gmdrm	hypo	CHG	-0.05
Gm07	12329597	12329738	Gmdrm	hypo	CHG	-0.6093
Gm07	12329992	12330268	Gmdrm	hypo	CHG	-0.468
Gm07	12331167	12331233	Gmdrm	hypo	CHG	-0.514
Gm07	12331408	12331469	Gmdrm	hypo	CHG	-0.7015
Gm07	12379810	12379901	Gmdrm	hypo	CHG	-0.594
Gm07	12458899	12459059	Gmdrm	hypo	CHG	-0.8045
Gm07	12472098	12472192	Gmdrm	hypo	CHG	-0.5143
Gm07	12521576	12521859	Gmdrm	hypo	CHG	-0.0745
Gm07	12527798	12528114	Gmdrm	hypo	CHG	-0.3832
Gm07	12554061	12554095	Gmdrm	hypo	CHG	-0.4083
Gm07	12555659	12555831	Gmdrm	hypo	CHG	-0.3425
Gm07	12672871	12673012	Gmdrm	hypo	CHG	-0.2683

Gm07	12687504	12688252	Gmdrm	hypo	CHG	-0.1973
Gm07	12880790	12881072	Gmdrm	hypo	CHG	-0.21
Gm07	12927116	12927302	Gmdrm	hypo	CHG	-0.1871
Gm07	12930506	12930771	Gmdrm	hypo	CHG	-0.057
Gm07	12942241	12942442	Gmdrm	hypo	CHG	-0.3416
Gm07	12974380	12974469	Gmdrm	hypo	CHG	-0.5475
Gm07	12998849	12998990	Gmdrm	hypo	CHG	-0.0467
Gm07	13042438	13042502	Gmdrm	hypo	CHG	-0.4837
Gm07	13067998	13068020	Gmdrm	hypo	CHG	-0.56
Gm07	13079011	13079067	Gmdrm	hypo	CHG	-0.5033
Gm07	13083715	13083873	Gmdrm	hypo	CHG	-0.0471
Gm07	13135629	13135771	Gmdrm	hypo	CHG	-0.4089
Gm07	13203010	13203171	Gmdrm	hypo	CHG	-0.354
Gm07	13205560	13205616	Gmdrm	hypo	CHG	-0.116
Gm07	13232282	13232438	Gmdrm	hypo	CHG	-0.4783
Gm07	13234378	13234585	Gmdrm	hypo	CHG	-0.5243
Gm07	13234888	13235078	Gmdrm	hypo	CHG	-0.1167
Gm07	13235516	13236428	Gmdrm	hypo	CHG	-0.2052
Gm07	13236650	13237190	Gmdrm	hypo	CHG	-0.6075
Gm07	13237330	13237409	Gmdrm	hypo	CHG	-0.504
Gm07	13237767	13237827	Gmdrm	hypo	CHG	-0.3417
Gm07	13238154	13238266	Gmdrm	hypo	CHG	-0.036
Gm07	13247668	13247735	Gmdrm	hypo	CHG	-0.588
Gm07	13261562	13261788	Gmdrm	hypo	CHG	-0.511
Gm07	13276193	13277126	Gmdrm	hypo	CHG	-0.4169
Gm07	13283277	13283545	Gmdrm	hypo	CHG	-0.038
Gm07	13287240	13287755	Gmdrm	hypo	CHG	-0.5957
Gm07	13305031	13305408	Gmdrm	hypo	CHG	-0.4656
Gm07	13320858	13321231	Gmdrm	hypo	CHG	-0.12
Gm07	13321564	13322339	Gmdrm	hypo	CHG	-0.1279
Gm07	13324486	13324813	Gmdrm	hypo	CHG	-0.0671
Gm07	13383897	13384881	Gmdrm	hypo	CHG	-0.0418
Gm07	13414077	13414299	Gmdrm	hypo	CHG	-0.6775
Gm07	13414453	13414618	Gmdrm	hypo	CHG	-0.6622
Gm07	13431293	13431549	Gmdrm	hypo	CHG	-0.7988
Gm07	13459439	13459549	Gmdrm	hypo	CHG	-0.5129
Gm07	13462285	13462552	Gmdrm	hypo	CHG	-0.0783
Gm07	13462694	13462804	Gmdrm	hypo	CHG	-0.115
Gm07	13475816	13476026	Gmdrm	hypo	CHG	-0.418
Gm07	13482791	13483225	Gmdrm	hypo	CHG	-0.1577
Gm07	13490124	13490258	Gmdrm	hypo	CHG	-0.3878
Gm07	13491811	13491877	Gmdrm	hypo	CHG	-0.2883
Gm07	13492228	13492774	Gmdrm	hypo	CHG	-0.4242
Gm07	13505739	13505915	Gmdrm	hypo	CHG	-0.07
Gm07	13509860	13510054	Gmdrm	hypo	CHG	-0.7109
Gm07	13510777	13510800	Gmdrm	hypo	CHG	-0.616

Gm07	13514824	13514988	Gmdrm	hypo	CHG	-0.315
Gm07	13548072	13548293	Gmdrm	hypo	CHG	-0.6885
Gm07	13552130	13552297	Gmdrm	hypo	CHG	-0.092
Gm07	13576924	13577317	Gmdrm	hypo	CHG	-0.5633
Gm07	13581920	13582291	Gmdrm	hypo	CHG	-0.3129
Gm07	13610865	13611087	Gmdrm	hypo	CHG	-0.1037
Gm07	13611329	13612292	Gmdrm	hypo	CHG	-0.4037
Gm07	13612347	13612502	Gmdrm	hypo	CHG	-0.5355
Gm07	13612620	13613605	Gmdrm	hypo	CHG	-0.4306
Gm07	13613624	13614043	Gmdrm	hypo	CHG	-0.34
Gm07	13614149	13614392	Gmdrm	hypo	CHG	-0.2987
Gm07	13628084	13629062	Gmdrm	hypo	CHG	-0.267
Gm07	13634576	13634618	Gmdrm	hypo	CHG	-0.7567
Gm07	13635151	13635707	Gmdrm	hypo	CHG	-0.7643
Gm07	13637350	13638246	Gmdrm	hypo	CHG	-0.3859
Gm07	13703131	13703247	Gmdrm	hypo	CHG	-0.5709
Gm07	13709732	13709911	Gmdrm	hypo	CHG	-0.2375
Gm07	13750681	13750890	Gmdrm	hypo	CHG	-0.207
Gm07	13757068	13757259	Gmdrm	hypo	CHG	-0.8233
Gm07	13757419	13757461	Gmdrm	hypo	CHG	-0.675
Gm07	13773752	13773933	Gmdrm	hypo	CHG	-0.58
Gm07	13774908	13774997	Gmdrm	hypo	CHG	-0.032
Gm07	13777132	13777270	Gmdrm	hypo	CHG	-0.2917
Gm07	13799235	13799700	Gmdrm	hypo	CHG	-0.3255
Gm07	13816255	13816501	Gmdrm	hypo	CHG	-0.2881
Gm07	13885712	13885949	Gmdrm	hypo	CHG	-0.6217
Gm07	13887865	13887928	Gmdrm	hypo	CHG	-0.038
Gm07	13910379	13910478	Gmdrm	hypo	CHG	-0.1917
Gm07	13943615	13943763	Gmdrm	hypo	CHG	-0.035
Gm07	13948693	13949131	Gmdrm	hypo	CHG	-0.346
Gm07	14003278	14003415	Gmdrm	hypo	CHG	-0.6119
Gm07	14003856	14003918	Gmdrm	hypo	CHG	-0.6516
Gm07	14007690	14007835	Gmdrm	hypo	CHG	-0.072
Gm07	14069563	14069689	Gmdrm	hypo	CHG	-0.0383
Gm07	14069906	14070035	Gmdrm	hypo	CHG	-0.882
Gm07	14070259	14070463	Gmdrm	hypo	CHG	-0.6949
Gm07	14070566	14070744	Gmdrm	hypo	CHG	-0.5757
Gm07	14072549	14073361	Gmdrm	hypo	CHG	-0.2546
Gm07	14100886	14100966	Gmdrm	hypo	CHG	-0.048
Gm07	14105448	14105625	Gmdrm	hypo	CHG	-0.0378
Gm07	14120177	14120423	Gmdrm	hypo	CHG	-0.3132
Gm07	14132823	14133189	Gmdrm	hypo	CHG	-0.0374
Gm07	14141881	14142165	Gmdrm	hypo	CHG	-0.7918
Gm07	14152912	14153030	Gmdrm	hypo	CHG	-0.2188
Gm07	14164317	14164367	Gmdrm	hypo	CHG	-0.598
Gm07	14164834	14165056	Gmdrm	hypo	CHG	-0.3664

Gm07	14165243	14165329	Gmdrm	hypo	CHG	-0.498
Gm07	14173688	14173990	Gmdrm	hypo	CHG	-0.0317
Gm07	14193844	14193984	Gmdrm	hypo	CHG	-0.4643
Gm07	14197540	14197763	Gmdrm	hypo	CHG	-0.0233
Gm07	14201704	14201738	Gmdrm	hypo	CHG	-0.5517
Gm07	14217483	14217738	Gmdrm	hypo	CHG	-0.1882
Gm07	14217872	14218500	Gmdrm	hypo	CHG	-0.4077
Gm07	14218603	14218667	Gmdrm	hypo	CHG	-0.7243
Gm07	14220905	14221084	Gmdrm	hypo	CHG	-0.0677
Gm07	14232405	14233118	Gmdrm	hypo	CHG	-0.5556
Gm07	14275432	14275505	Gmdrm	hypo	CHG	-0.734
Gm07	14290017	14290103	Gmdrm	hypo	CHG	-0.215
Gm07	14369087	14369245	Gmdrm	hypo	CHG	-0.3999
Gm07	14371840	14371978	Gmdrm	hypo	CHG	-0.0466
Gm07	14393786	14393941	Gmdrm	hypo	CHG	-0.367
Gm07	14394954	14395003	Gmdrm	hypo	CHG	-0.425
Gm07	14475688	14475804	Gmdrm	hypo	CHG	-0.5038
Gm07	14507883	14508145	Gmdrm	hypo	CHG	-0.3023
Gm07	14521148	14521682	Gmdrm	hypo	CHG	-0.1329
Gm07	14548092	14549068	Gmdrm	hypo	CHG	-0.3026
Gm07	14556606	14556793	Gmdrm	hypo	CHG	-0.5309
Gm07	14556896	14556944	Gmdrm	hypo	CHG	-0.598
Gm07	14557070	14557357	Gmdrm	hypo	CHG	-0.6758
Gm07	14557492	14557625	Gmdrm	hypo	CHG	-0.7073
Gm07	14557865	14557915	Gmdrm	hypo	CHG	-0.678
Gm07	14564011	14564223	Gmdrm	hypo	CHG	-0.46
Gm07	14572868	14573618	Gmdrm	hypo	CHG	-0.2489
Gm07	14596444	14596607	Gmdrm	hypo	CHG	-0.0483
Gm07	14616267	14616342	Gmdrm	hypo	CHG	-0.1033
Gm07	14616466	14616827	Gmdrm	hypo	CHG	-0.2272
Gm07	14640710	14640771	Gmdrm	hypo	CHG	-0.1367
Gm07	14643460	14643846	Gmdrm	hypo	CHG	-0.5627
Gm07	14647489	14647609	Gmdrm	hypo	CHG	-0.0633
Gm07	14657347	14657585	Gmdrm	hypo	CHG	-0.2243
Gm07	14662128	14662530	Gmdrm	hypo	CHG	-0.6465
Gm07	14664128	14664469	Gmdrm	hypo	CHG	-0.68
Gm07	14664818	14665137	Gmdrm	hypo	CHG	-0.6994
Gm07	14665313	14665620	Gmdrm	hypo	CHG	-0.753
Gm07	14675666	14675797	Gmdrm	hypo	CHG	-0.0537
Gm07	14676237	14676398	Gmdrm	hypo	CHG	-0.5156
Gm07	14679001	14679099	Gmdrm	hypo	CHG	-0.356
Gm07	14681841	14682093	Gmdrm	hypo	CHG	-0.305
Gm07	14682828	14683101	Gmdrm	hypo	CHG	-0.4217
Gm07	14712431	14712447	Gmdrm	hypo	CHG	-0.8984
Gm07	14714534	14714879	Gmdrm	hypo	CHG	-0.8179
Gm07	14723553	14724139	Gmdrm	hypo	CHG	-0.381

Gm07	14767472	14768137	Gmdrm	hypo	CHG	-0.3224
Gm07	14769204	14769793	Gmdrm	hypo	CHG	-0.0873
Gm07	14770171	14770414	Gmdrm	hypo	CHG	-0.08
Gm07	14771118	14771638	Gmdrm	hypo	CHG	-0.0833
Gm07	14771749	14772159	Gmdrm	hypo	CHG	-0.1143
Gm07	14772275	14773259	Gmdrm	hypo	CHG	-0.3451
Gm07	14785213	14785638	Gmdrm	hypo	CHG	-0.2636
Gm07	14803862	14804822	Gmdrm	hypo	CHG	-0.1711
Gm07	14804880	14805872	Gmdrm	hypo	CHG	-0.2194
Gm07	14805883	14806034	Gmdrm	hypo	CHG	-0.5022
Gm07	14806149	14806432	Gmdrm	hypo	CHG	-0.7083
Gm07	14806605	14807280	Gmdrm	hypo	CHG	-0.2135
Gm07	14811092	14811787	Gmdrm	hypo	CHG	-0.2476
Gm07	14819897	14820350	Gmdrm	hypo	CHG	-0.1255
Gm07	14830666	14830757	Gmdrm	hypo	CHG	-0.6566
Gm07	14833581	14833974	Gmdrm	hypo	CHG	-0.0322
Gm07	14844887	14844985	Gmdrm	hypo	CHG	-0.532
Gm07	14847098	14847352	Gmdrm	hypo	CHG	-0.0338
Gm07	14854016	14854164	Gmdrm	hypo	CHG	-0.5038
Gm07	14858607	14858819	Gmdrm	hypo	CHG	-0.1522
Gm07	14863419	14863643	Gmdrm	hypo	CHG	-0.3801
Gm07	14864592	14864696	Gmdrm	hypo	CHG	-0.5217
Gm07	14865079	14865249	Gmdrm	hypo	CHG	-0.674
Gm07	14865618	14865729	Gmdrm	hypo	CHG	-0.8717
Gm07	14867006	14867093	Gmdrm	hypo	CHG	-0.7643
Gm07	14875038	14875120	Gmdrm	hypo	CHG	-0.7733
Gm07	14877388	14877583	Gmdrm	hypo	CHG	-0.49
Gm07	14915802	14915817	Gmdrm	hypo	CHG	-0.762
Gm07	14916346	14916952	Gmdrm	hypo	CHG	-0.1521
Gm07	14921625	14921742	Gmdrm	hypo	CHG	-0.4523
Gm07	14929982	14930218	Gmdrm	hypo	CHG	-0.7095
Gm07	14930448	14930672	Gmdrm	hypo	CHG	-0.758
Gm07	14956743	14956806	Gmdrm	hypo	CHG	-0.5422
Gm07	14958715	14958987	Gmdrm	hypo	CHG	-0.0222
Gm07	14966681	14966874	Gmdrm	hypo	CHG	-0.372
Gm07	14967228	14967375	Gmdrm	hypo	CHG	-0.3325
Gm07	14988063	14988152	Gmdrm	hypo	CHG	-0.0367
Gm07	14990184	14990615	Gmdrm	hypo	CHG	-0.221
Gm07	15025679	15025909	Gmdrm	hypo	CHG	-0.6375
Gm07	15037882	15038370	Gmdrm	hypo	CHG	-0.1956
Gm07	15071541	15071857	Gmdrm	hypo	CHG	-0.0438
Gm07	15076878	15076963	Gmdrm	hypo	CHG	-0.6529
Gm07	15077242	15077394	Gmdrm	hypo	CHG	-0.6608
Gm07	15095526	15096194	Gmdrm	hypo	CHG	-0.13
Gm07	15119252	15119397	Gmdrm	hypo	CHG	-0.3524
Gm07	15125673	15125749	Gmdrm	hypo	CHG	-0.655

Gm07	15132918	15132982	Gmdrm	hypo	CHG	-0.805
Gm07	15135735	15135780	Gmdrm	hypo	CHG	-0.648
Gm07	15141276	15141382	Gmdrm	hypo	CHG	-0.2986
Gm07	15154455	15154527	Gmdrm	hypo	CHG	-0.4783
Gm07	15156723	15157023	Gmdrm	hypo	CHG	-0.112
Gm07	15179965	15180082	Gmdrm	hypo	CHG	-0.0357
Gm07	15199713	15199928	Gmdrm	hypo	CHG	-0.0284
Gm07	15216582	15216711	Gmdrm	hypo	CHG	-0.469
Gm07	15216893	15216957	Gmdrm	hypo	CHG	-0.4534
Gm07	15220623	15221000	Gmdrm	hypo	CHG	-0.6356
Gm07	15222432	15222544	Gmdrm	hypo	CHG	-0.7934
Gm07	15228848	15229118	Gmdrm	hypo	CHG	-0.256
Gm07	15239299	15239459	Gmdrm	hypo	CHG	-0.4857
Gm07	15239900	15240107	Gmdrm	hypo	CHG	-0.3886
Gm07	15245804	15245861	Gmdrm	hypo	CHG	-0.078
Gm07	15259612	15260193	Gmdrm	hypo	CHG	-0.752
Gm07	15292790	15292901	Gmdrm	hypo	CHG	-0.0685
Gm07	15308039	15308214	Gmdrm	hypo	CHG	-0.8588
Gm07	15329251	15329294	Gmdrm	hypo	CHG	-0.2583
Gm07	15372287	15372405	Gmdrm	hypo	CHG	-0.8233
Gm07	15383450	15384290	Gmdrm	hypo	CHG	-0.3205
Gm07	15391669	15391852	Gmdrm	hypo	CHG	-0.5673
Gm07	15398369	15398588	Gmdrm	hypo	CHG	-0.28
Gm07	15412079	15412210	Gmdrm	hypo	CHG	-0.3971
Gm07	15426597	15426782	Gmdrm	hypo	CHG	-0.7333
Gm07	15427344	15427596	Gmdrm	hypo	CHG	-0.68
Gm07	15430081	15430391	Gmdrm	hypo	CHG	-0.05
Gm07	15442399	15442685	Gmdrm	hypo	CHG	-0.3117
Gm07	15444959	15445019	Gmdrm	hypo	CHG	-0.3317
Gm07	15454817	15455140	Gmdrm	hypo	CHG	-0.0387
Gm07	15458525	15458782	Gmdrm	hypo	CHG	-0.6574
Gm07	15463155	15463437	Gmdrm	hypo	CHG	-0.0386
Gm07	15464935	15465087	Gmdrm	hypo	CHG	-0.05
Gm07	15507431	15507667	Gmdrm	hypo	CHG	-0.7491
Gm07	15521378	15521581	Gmdrm	hypo	CHG	-0.365
Gm07	15524120	15524377	Gmdrm	hypo	CHG	-0.3887
Gm07	15557630	15557833	Gmdrm	hypo	CHG	-0.7725
Gm07	15558087	15558189	Gmdrm	hypo	CHG	-0.34
Gm07	15561744	15561830	Gmdrm	hypo	CHG	-0.05
Gm07	15567363	15567952	Gmdrm	hypo	CHG	-0.2576
Gm07	15578375	15578596	Gmdrm	hypo	CHG	-0.5837
Gm07	15584098	15584247	Gmdrm	hypo	CHG	-0.072
Gm07	15585952	15586106	Gmdrm	hypo	CHG	-0.574
Gm07	15608910	15609013	Gmdrm	hypo	CHG	-0.4433
Gm07	15618433	15618787	Gmdrm	hypo	CHG	-0.5282
Gm07	15621299	15622278	Gmdrm	hypo	CHG	-0.3318

Gm07	15681955	15682026	Gmdrm	hypo	CHG	-0.038
Gm07	15695322	15695626	Gmdrm	hypo	CHG	-0.1487
Gm07	15705594	15705985	Gmdrm	hypo	CHG	-0.4972
Gm07	15706252	15706317	Gmdrm	hypo	CHG	-0.8184
Gm07	15709833	15709973	Gmdrm	hypo	CHG	-0.709
Gm07	15710473	15710640	Gmdrm	hypo	CHG	-0.505
Gm07	15720167	15720821	Gmdrm	hypo	CHG	-0.2245
Gm07	15723557	15723927	Gmdrm	hypo	CHG	-0.0238
Gm07	15736739	15736769	Gmdrm	hypo	CHG	-0.155
Gm07	15812443	15812566	Gmdrm	hypo	CHG	-0.4713
Gm07	15812816	15813024	Gmdrm	hypo	CHG	-0.109
Gm07	15817191	15817744	Gmdrm	hypo	CHG	-0.2804
Gm07	15820191	15820542	Gmdrm	hypo	CHG	-0.5471
Gm07	15821613	15822300	Gmdrm	hypo	CHG	-0.1467
Gm07	15840063	15840250	Gmdrm	hypo	CHG	-0.5613
Gm07	15861892	15862458	Gmdrm	hypo	CHG	-0.2032
Gm07	15862641	15862933	Gmdrm	hypo	CHG	-0.116
Gm07	15863101	15863209	Gmdrm	hypo	CHG	-0.1183
Gm07	15863411	15863813	Gmdrm	hypo	CHG	-0.7578
Gm07	15864036	15864401	Gmdrm	hypo	CHG	-0.6783
Gm07	15871695	15871980	Gmdrm	hypo	CHG	-0.3777
Gm07	15877703	15877984	Gmdrm	hypo	CHG	-0.1612
Gm07	15903348	15903444	Gmdrm	hypo	CHG	-0.1166
Gm07	15907778	15907864	Gmdrm	hypo	CHG	-0.5883
Gm07	15911517	15911677	Gmdrm	hypo	CHG	-0.5614
Gm07	15913689	15914060	Gmdrm	hypo	CHG	-0.2957
Gm07	15917817	15918062	Gmdrm	hypo	CHG	-0.5255
Gm07	15946004	15946148	Gmdrm	hypo	CHG	-0.759
Gm07	15948866	15949005	Gmdrm	hypo	CHG	-0.0367
Gm07	15977095	15977252	Gmdrm	hypo	CHG	-0.464
Gm07	15977677	15977946	Gmdrm	hypo	CHG	-0.0546
Gm07	15978721	15978867	Gmdrm	hypo	CHG	-0.5214
Gm07	15978999	15979126	Gmdrm	hypo	CHG	-0.6555
Gm07	15980591	15980818	Gmdrm	hypo	CHG	-0.7727
Gm07	15991121	15991765	Gmdrm	hypo	CHG	-0.2529
Gm07	15993510	15993768	Gmdrm	hypo	CHG	-0.3337
Gm07	15999666	15999829	Gmdrm	hypo	CHG	-0.2851
Gm07	16002886	16003285	Gmdrm	hypo	CHG	-0.2187
Gm07	16007522	16008095	Gmdrm	hypo	CHG	-0.4745
Gm07	16008696	16009078	Gmdrm	hypo	CHG	-0.195
Gm07	16009181	16009485	Gmdrm	hypo	CHG	-0.3554
Gm07	16009812	16009983	Gmdrm	hypo	CHG	-0.2123
Gm07	16011091	16011247	Gmdrm	hypo	CHG	-0.0483
Gm07	16028334	16028494	Gmdrm	hypo	CHG	-0.0433
Gm07	16035937	16036361	Gmdrm	hypo	CHG	-0.5
Gm07	16045417	16045485	Gmdrm	hypo	CHG	-0.112

Gm07	16045938	16046133	Gmdrm	hypo	CHG	-0.5775
Gm07	16066597	16066759	Gmdrm	hypo	CHG	-0.502
Gm07	16070471	16070668	Gmdrm	hypo	CHG	-0.3278
Gm07	16075943	16076097	Gmdrm	hypo	CHG	-0.1375
Gm07	16084967	16085522	Gmdrm	hypo	CHG	-0.2315
Gm07	16107386	16107595	Gmdrm	hypo	CHG	-0.4118
Gm07	16113888	16114513	Gmdrm	hypo	CHG	-0.1717
Gm07	16118220	16118442	Gmdrm	hypo	CHG	-0.4929
Gm07	16138015	16138394	Gmdrm	hypo	CHG	-0.5333
Gm07	16138586	16138725	Gmdrm	hypo	CHG	-0.7916
Gm07	16167838	16168239	Gmdrm	hypo	CHG	-0.3111
Gm07	16173533	16173625	Gmdrm	hypo	CHG	-0.0825
Gm07	16185964	16185976	Gmdrm	hypo	CHG	-0.3317
Gm07	16186377	16186497	Gmdrm	hypo	CHG	-0.18
Gm07	16233246	16233373	Gmdrm	hypo	CHG	-0.55
Gm07	16244022	16244141	Gmdrm	hypo	CHG	-0.4633
Gm07	16277569	16277762	Gmdrm	hypo	CHG	-0.0569
Gm07	16277890	16278214	Gmdrm	hypo	CHG	-0.07
Gm07	16279386	16279614	Gmdrm	hypo	CHG	-0.0967
Gm07	16281868	16282437	Gmdrm	hypo	CHG	-0.7976
Gm07	16282634	16282677	Gmdrm	hypo	CHG	-0.15
Gm07	16283674	16283709	Gmdrm	hypo	CHG	-0.3933
Gm07	16306034	16306144	Gmdrm	hypo	CHG	-0.5065
Gm07	16315995	16316245	Gmdrm	hypo	CHG	-0.5942
Gm07	16319344	16319477	Gmdrm	hypo	CHG	-0.3712
Gm07	16322238	16322340	Gmdrm	hypo	CHG	-0.394
Gm07	16322667	16322869	Gmdrm	hypo	CHG	-0.6086
Gm07	16323252	16323744	Gmdrm	hypo	CHG	-0.3696
Gm07	16325109	16325563	Gmdrm	hypo	CHG	-0.2959
Gm07	16326118	16326315	Gmdrm	hypo	CHG	-0.234
Gm07	16340464	16340583	Gmdrm	hypo	CHG	-0.7288
Gm07	16362412	16362425	Gmdrm	hypo	CHG	-0.866
Gm07	16365874	16366085	Gmdrm	hypo	CHG	-0.63
Gm07	16367031	16367279	Gmdrm	hypo	CHG	-0.6505
Gm07	16378691	16378742	Gmdrm	hypo	CHG	-0.0683
Gm07	16379897	16380364	Gmdrm	hypo	CHG	-0.7088
Gm07	16382172	16382377	Gmdrm	hypo	CHG	-0.5438
Gm07	16382660	16382957	Gmdrm	hypo	CHG	-0.632
Gm07	16423900	16424393	Gmdrm	hypo	CHG	-0.3606
Gm07	16427053	16427327	Gmdrm	hypo	CHG	-0.1743
Gm07	16430734	16430876	Gmdrm	hypo	CHG	-0.2913
Gm07	16447848	16448104	Gmdrm	hypo	CHG	-0.4108
Gm07	16482819	16482997	Gmdrm	hypo	CHG	-0.5286
Gm07	16492360	16492511	Gmdrm	hypo	CHG	-0.255
Gm07	16508808	16508998	Gmdrm	hypo	CHG	-0.5528
Gm07	16509487	16509936	Gmdrm	hypo	CHG	-0.2047

Gm07	16515312	16515458	Gmdrm	hypo	CHG	-0.175
Gm07	16518801	16518908	Gmdrm	hypo	CHG	-0.7317
Gm07	16520359	16520761	Gmdrm	hypo	CHG	-0.1254
Gm07	16529257	16529551	Gmdrm	hypo	CHG	-0.3606
Gm07	16538880	16538948	Gmdrm	hypo	CHG	-0.9019
Gm07	16557635	16557706	Gmdrm	hypo	CHG	-0.7671
Gm07	16559894	16559946	Gmdrm	hypo	CHG	-0.628
Gm07	16570163	16570352	Gmdrm	hypo	CHG	-0.1773
Gm07	16595278	16595474	Gmdrm	hypo	CHG	-0.4725
Gm07	16621062	16621202	Gmdrm	hypo	CHG	-0.5918
Gm07	16623003	16623173	Gmdrm	hypo	CHG	-0.4024
Gm07	16628519	16628562	Gmdrm	hypo	CHG	-0.23
Gm07	16631382	16631705	Gmdrm	hypo	CHG	-0.044
Gm07	16636494	16636567	Gmdrm	hypo	CHG	-0.3267
Gm07	16636786	16636868	Gmdrm	hypo	CHG	-0.8263
Gm07	16640549	16641110	Gmdrm	hypo	CHG	-0.14
Gm07	16641962	16642483	Gmdrm	hypo	CHG	-0.2693
Gm07	16643079	16643372	Gmdrm	hypo	CHG	-0.3685
Gm07	16643712	16643805	Gmdrm	hypo	CHG	-0.903
Gm07	16645135	16645381	Gmdrm	hypo	CHG	-0.13
Gm07	16653213	16653626	Gmdrm	hypo	CHG	-0.7387
Gm07	16653775	16654081	Gmdrm	hypo	CHG	-0.7643
Gm07	16663248	16663372	Gmdrm	hypo	CHG	-0.3067
Gm07	16664024	16664881	Gmdrm	hypo	CHG	-0.3612
Gm07	16680758	16680965	Gmdrm	hypo	CHG	-0.128
Gm07	16741476	16741740	Gmdrm	hypo	CHG	-0.6473
Gm07	16748953	16749135	Gmdrm	hypo	CHG	-0.3258
Gm07	16775372	16775611	Gmdrm	hypo	CHG	-0.0366
Gm07	16778370	16778850	Gmdrm	hypo	CHG	-0.3148
Gm07	16779024	16779288	Gmdrm	hypo	CHG	-0.6827
Gm07	16805508	16805726	Gmdrm	hypo	CHG	-0.265
Gm07	16809220	16809345	Gmdrm	hypo	CHG	-0.13
Gm07	16809547	16809691	Gmdrm	hypo	CHG	-0.5678
Gm07	16879692	16879912	Gmdrm	hypo	CHG	-0.7275
Gm07	16905647	16905856	Gmdrm	hypo	CHG	-0.082
Gm07	16912074	16912553	Gmdrm	hypo	CHG	-0.4403
Gm07	16934298	16934434	Gmdrm	hypo	CHG	-0.162
Gm07	16962193	16962256	Gmdrm	hypo	CHG	-0.056
Gm07	16975649	16975941	Gmdrm	hypo	CHG	-0.4244
Gm07	16993743	16993823	Gmdrm	hypo	CHG	-0.675
Gm07	16994975	16995246	Gmdrm	hypo	CHG	-0.3425
Gm07	17003159	17003250	Gmdrm	hypo	CHG	-0.3057
Gm07	17018788	17018882	Gmdrm	hypo	CHG	-0.03
Gm07	17022481	17022569	Gmdrm	hypo	CHG	-0.5666
Gm07	17038622	17038832	Gmdrm	hypo	CHG	-0.4911
Gm07	17041904	17042092	Gmdrm	hypo	CHG	-0.368

Gm07	17042836	17042955	Gmdrm	hypo	CHG	-0.38
Gm07	17044542	17044634	Gmdrm	hypo	CHG	-0.459
Gm07	17044738	17044920	Gmdrm	hypo	CHG	-0.2082
Gm07	17055113	17055337	Gmdrm	hypo	CHG	-0.3942
Gm07	17055516	17056166	Gmdrm	hypo	CHG	-0.1622
Gm07	17060516	17060787	Gmdrm	hypo	CHG	-0.6747
Gm07	17066220	17066306	Gmdrm	hypo	CHG	-0.7221
Gm07	17066751	17066894	Gmdrm	hypo	CHG	-0.8192
Gm07	17067030	17067088	Gmdrm	hypo	CHG	-0.6643
Gm07	17094096	17094264	Gmdrm	hypo	CHG	-0.6575
Gm07	17161466	17161626	Gmdrm	hypo	CHG	-0.0629
Gm07	17197494	17197762	Gmdrm	hypo	CHG	-0.3743
Gm07	17237900	17238142	Gmdrm	hypo	CHG	-0.348
Gm07	17250000	17250119	Gmdrm	hypo	CHG	-0.045
Gm07	17277537	17277574	Gmdrm	hypo	CHG	-0.09
Gm07	17278450	17278569	Gmdrm	hypo	CHG	-0.4489
Gm07	17279100	17279166	Gmdrm	hypo	CHG	-0.5416
Gm07	17280811	17280928	Gmdrm	hypo	CHG	-0.3033
Gm07	17281029	17281222	Gmdrm	hypo	CHG	-0.338
Gm07	17281370	17281572	Gmdrm	hypo	CHG	-0.4825
Gm07	17283144	17283160	Gmdrm	hypo	CHG	-0.5133
Gm07	17283266	17284098	Gmdrm	hypo	CHG	-0.3527
Gm07	17284336	17284541	Gmdrm	hypo	CHG	-0.4854
Gm07	17284904	17285054	Gmdrm	hypo	CHG	-0.32
Gm07	17286678	17286812	Gmdrm	hypo	CHG	-0.3842
Gm07	17286925	17287283	Gmdrm	hypo	CHG	-0.76
Gm07	17287796	17288158	Gmdrm	hypo	CHG	-0.4874
Gm07	17289870	17289918	Gmdrm	hypo	CHG	-0.8283
Gm07	17324042	17324333	Gmdrm	hypo	CHG	-0.5771
Gm07	17334167	17334506	Gmdrm	hypo	CHG	-0.344
Gm07	17334619	17335022	Gmdrm	hypo	CHG	-0.3046
Gm07	17357993	17358295	Gmdrm	hypo	CHG	-0.1563
Gm07	17362907	17363171	Gmdrm	hypo	CHG	-0.5533
Gm07	17376326	17376594	Gmdrm	hypo	CHG	-0.6159
Gm07	17378923	17379043	Gmdrm	hypo	CHG	-0.5014
Gm07	17391198	17391393	Gmdrm	hypo	CHG	-0.0588
Gm07	17397236	17397340	Gmdrm	hypo	CHG	-0.074
Gm07	17401824	17402000	Gmdrm	hypo	CHG	-0.1572
Gm07	17452014	17452672	Gmdrm	hypo	CHG	-0.251
Gm07	17452780	17453058	Gmdrm	hypo	CHG	-0.031
Gm07	17512750	17513043	Gmdrm	hypo	CHG	-0.505
Gm07	17513192	17513569	Gmdrm	hypo	CHG	-0.4629
Gm07	17515535	17515726	Gmdrm	hypo	CHG	-0.6422
Gm07	17531319	17531573	Gmdrm	hypo	CHG	-0.23
Gm07	17567461	17568459	Gmdrm	hypo	CHG	-0.2171
Gm07	17571680	17571780	Gmdrm	hypo	CHG	-0.58

Gm07	17571962	17571993	Gmdrm	hypo	CHG	-0.4934
Gm07	17572173	17572265	Gmdrm	hypo	CHG	-0.3827
Gm07	17586097	17586481	Gmdrm	hypo	CHG	-0.4067
Gm07	17599261	17599341	Gmdrm	hypo	CHG	-0.2667
Gm07	17601713	17601803	Gmdrm	hypo	CHG	-0.6559
Gm07	17607694	17608232	Gmdrm	hypo	CHG	-0.3524
Gm07	17619576	17619657	Gmdrm	hypo	CHG	-0.3271
Gm07	17626936	17627019	Gmdrm	hypo	CHG	-0.3537
Gm07	17630190	17630427	Gmdrm	hypo	CHG	-0.035
Gm07	17630579	17630864	Gmdrm	hypo	CHG	-0.3454
Gm07	17630965	17631849	Gmdrm	hypo	CHG	-0.8352
Gm07	17632177	17632296	Gmdrm	hypo	CHG	-0.752
Gm07	17632445	17632611	Gmdrm	hypo	CHG	-0.6443
Gm07	17632751	17632895	Gmdrm	hypo	CHG	-0.6425
Gm07	17633031	17633316	Gmdrm	hypo	CHG	-0.7642
Gm07	17633468	17633727	Gmdrm	hypo	CHG	-0.6584
Gm07	17633833	17633900	Gmdrm	hypo	CHG	-0.6467
Gm07	17634035	17634190	Gmdrm	hypo	CHG	-0.4913
Gm07	17634636	17634791	Gmdrm	hypo	CHG	-0.3083
Gm07	17647731	17647832	Gmdrm	hypo	CHG	-0.4416
Gm07	17663001	17663097	Gmdrm	hypo	CHG	-0.6767
Gm07	17666007	17666140	Gmdrm	hypo	CHG	-0.118
Gm07	17666300	17666419	Gmdrm	hypo	CHG	-0.93
Gm07	17666724	17666964	Gmdrm	hypo	CHG	-0.8331
Gm07	17668971	17669495	Gmdrm	hypo	CHG	-0.3203
Gm07	17678792	17678943	Gmdrm	hypo	CHG	-0.684
Gm07	17700189	17700308	Gmdrm	hypo	CHG	-0.315
Gm07	17700422	17700477	Gmdrm	hypo	CHG	-0.19
Gm07	17720936	17721026	Gmdrm	hypo	CHG	-0.5757
Gm07	17725775	17726143	Gmdrm	hypo	CHG	-0.0322
Gm07	17727235	17727498	Gmdrm	hypo	CHG	-0.04
Gm07	17732624	17732808	Gmdrm	hypo	CHG	-0.405
Gm07	17733156	17733172	Gmdrm	hypo	CHG	-0.865
Gm07	17737459	17737533	Gmdrm	hypo	CHG	-0.7638
Gm07	17737681	17737770	Gmdrm	hypo	CHG	-0.706
Gm07	17737924	17738579	Gmdrm	hypo	CHG	-0.5771
Gm07	17738811	17738876	Gmdrm	hypo	CHG	-0.4617
Gm07	17738993	17739038	Gmdrm	hypo	CHG	-0.42
Gm07	17739595	17739693	Gmdrm	hypo	CHG	-0.5525
Gm07	17745464	17745740	Gmdrm	hypo	CHG	-0.0625
Gm07	17750158	17750302	Gmdrm	hypo	CHG	-0.5217
Gm07	17750804	17751171	Gmdrm	hypo	CHG	-0.879
Gm07	17755538	17755874	Gmdrm	hypo	CHG	-0.0333
Gm07	17759042	17759155	Gmdrm	hypo	CHG	-0.5071
Gm07	17777789	17778081	Gmdrm	hypo	CHG	-0.6086
Gm07	17778212	17778781	Gmdrm	hypo	CHG	-0.718

Gm07	17783926	17784060	Gmdrm	hypo	CHG	-0.048
Gm07	17798339	17798398	Gmdrm	hypo	CHG	-0.1633
Gm07	17806026	17806043	Gmdrm	hypo	CHG	-0.904
Gm07	17806144	17806182	Gmdrm	hypo	CHG	-0.9166
Gm07	17806604	17806745	Gmdrm	hypo	CHG	-0.7807
Gm07	17810988	17811325	Gmdrm	hypo	CHG	-0.6406
Gm07	17818465	17818733	Gmdrm	hypo	CHG	-0.2163
Gm07	17820975	17821020	Gmdrm	hypo	CHG	-0.4884
Gm07	17826095	17826635	Gmdrm	hypo	CHG	-0.2984
Gm07	17845464	17845953	Gmdrm	hypo	CHG	-0.4204
Gm07	17853021	17853236	Gmdrm	hypo	CHG	-0.5173
Gm07	17856034	17856206	Gmdrm	hypo	CHG	-0.2271
Gm07	17860560	17860747	Gmdrm	hypo	CHG	-0.447
Gm07	17865348	17865601	Gmdrm	hypo	CHG	-0.4
Gm07	17866563	17866942	Gmdrm	hypo	CHG	-0.4441
Gm07	17867695	17867763	Gmdrm	hypo	CHG	-0.28
Gm07	17868617	17868766	Gmdrm	hypo	CHG	-0.4738
Gm07	17876708	17877607	Gmdrm	hypo	CHG	-0.5055
Gm07	17919818	17920641	Gmdrm	hypo	CHG	-0.3003
Gm07	17930982	17931243	Gmdrm	hypo	CHG	-0.6921
Gm07	17932581	17932813	Gmdrm	hypo	CHG	-0.2663
Gm07	17936515	17936585	Gmdrm	hypo	CHG	-0.4733
Gm07	17938999	17939091	Gmdrm	hypo	CHG	-0.4643
Gm07	17955687	17955941	Gmdrm	hypo	CHG	-0.6723
Gm07	17988524	17988654	Gmdrm	hypo	CHG	-0.4408
Gm07	18012994	18013018	Gmdrm	hypo	CHG	-0.4766
Gm07	18013121	18013374	Gmdrm	hypo	CHG	-0.8363
Gm07	18074215	18074901	Gmdrm	hypo	CHG	-0.3566
Gm07	18076581	18076740	Gmdrm	hypo	CHG	-0.8966
Gm07	18076947	18077167	Gmdrm	hypo	CHG	-0.658
Gm07	18082238	18082419	Gmdrm	hypo	CHG	-0.6113
Gm07	18083784	18084178	Gmdrm	hypo	CHG	-0.3423
Gm07	18131346	18131406	Gmdrm	hypo	CHG	-0.726
Gm07	18131507	18131612	Gmdrm	hypo	CHG	-0.785
Gm07	18131760	18132064	Gmdrm	hypo	CHG	-0.6928
Gm07	18158884	18158977	Gmdrm	hypo	CHG	-0.705
Gm07	18166614	18166857	Gmdrm	hypo	CHG	-0.5629
Gm07	18213278	18213512	Gmdrm	hypo	CHG	-0.74
Gm07	18263931	18263963	Gmdrm	hypo	CHG	-0.7867
Gm07	18270213	18271176	Gmdrm	hypo	CHG	-0.2486
Gm07	18271242	18271766	Gmdrm	hypo	CHG	-0.445
Gm07	18271867	18272201	Gmdrm	hypo	CHG	-0.44
Gm07	18272322	18272743	Gmdrm	hypo	CHG	-0.4386
Gm07	18290544	18290753	Gmdrm	hypo	CHG	-0.6177
Gm07	18348495	18348793	Gmdrm	hypo	CHG	-0.3409
Gm07	18349049	18349147	Gmdrm	hypo	CHG	-0.5418

Gm07	18349622	18349819	Gmdrm	hypo	CHG	-0.5713
Gm07	18354410	18355052	Gmdrm	hypo	CHG	-0.4731
Gm07	18363910	18364023	Gmdrm	hypo	CHG	-0.04
Gm07	18371579	18371784	Gmdrm	hypo	CHG	-0.6343
Gm07	18422632	18422844	Gmdrm	hypo	CHG	-0.2608
Gm07	18453495	18453698	Gmdrm	hypo	CHG	-0.265
Gm07	18456450	18457100	Gmdrm	hypo	CHG	-0.0267
Gm07	18459185	18459433	Gmdrm	hypo	CHG	-0.6131
Gm07	18459603	18459645	Gmdrm	hypo	CHG	-0.6875
Gm07	18459891	18460041	Gmdrm	hypo	CHG	-0.804
Gm07	18460486	18460703	Gmdrm	hypo	CHG	-0.7934
Gm07	18466858	18467578	Gmdrm	hypo	CHG	-0.3496
Gm07	18476370	18476513	Gmdrm	hypo	CHG	-0.058
Gm07	18489730	18490175	Gmdrm	hypo	CHG	-0.4284
Gm07	18496904	18496999	Gmdrm	hypo	CHG	-0.2175
Gm07	18497297	18497445	Gmdrm	hypo	CHG	-0.092
Gm07	18501636	18501670	Gmdrm	hypo	CHG	-0.175
Gm07	18533487	18533906	Gmdrm	hypo	CHG	-0.106
Gm07	18534195	18534359	Gmdrm	hypo	CHG	-0.0357
Gm07	18546959	18547341	Gmdrm	hypo	CHG	-0.3217
Gm07	18547443	18547591	Gmdrm	hypo	CHG	-0.898
Gm07	18586875	18587238	Gmdrm	hypo	CHG	-0.4237
Gm07	18587797	18588090	Gmdrm	hypo	CHG	-0.1982
Gm07	18592921	18593116	Gmdrm	hypo	CHG	-0.2531
Gm07	18631082	18631279	Gmdrm	hypo	CHG	-0.3275
Gm07	18653523	18653760	Gmdrm	hypo	CHG	-0.6
Gm07	18660006	18660089	Gmdrm	hypo	CHG	-0.7462
Gm07	18670956	18671483	Gmdrm	hypo	CHG	-0.2947
Gm07	18700691	18700786	Gmdrm	hypo	CHG	-0.8816
Gm07	18702850	18703123	Gmdrm	hypo	CHG	-0.3662
Gm07	18792691	18793117	Gmdrm	hypo	CHG	-0.2448
Gm07	18799793	18799924	Gmdrm	hypo	CHG	-0.3757
Gm07	18800227	18800386	Gmdrm	hypo	CHG	-0.4373
Gm07	18800629	18801100	Gmdrm	hypo	CHG	-0.3673
Gm07	18820860	18820981	Gmdrm	hypo	CHG	-0.5215
Gm07	18821255	18821482	Gmdrm	hypo	CHG	-0.4533
Gm07	18821601	18821853	Gmdrm	hypo	CHG	-0.6337
Gm07	18822161	18822262	Gmdrm	hypo	CHG	-0.282
Gm07	18839553	18839706	Gmdrm	hypo	CHG	-0.8831
Gm07	18840785	18840965	Gmdrm	hypo	CHG	-0.3887
Gm07	18842688	18842770	Gmdrm	hypo	CHG	-0.6792
Gm07	18854402	18854492	Gmdrm	hypo	CHG	-0.24
Gm07	18854609	18854754	Gmdrm	hypo	CHG	-0.2956
Gm07	18873299	18873402	Gmdrm	hypo	CHG	-0.5717
Gm07	18883619	18883741	Gmdrm	hypo	CHG	-0.052
Gm07	18889569	18889994	Gmdrm	hypo	CHG	-0.2943

Gm07	18924703	18924892	Gmdrm	hypo	CHG	-0.5699
Gm07	18931886	18932774	Gmdrm	hypo	CHG	-0.2562
Gm07	18932896	18932970	Gmdrm	hypo	CHG	-0.1316
Gm07	18942772	18942821	Gmdrm	hypo	CHG	-0.7134
Gm07	18942981	18943230	Gmdrm	hypo	CHG	-0.625
Gm07	18964494	18965102	Gmdrm	hypo	CHG	-0.3693
Gm07	18973829	18973905	Gmdrm	hypo	CHG	-0.38
Gm07	18983030	18983429	Gmdrm	hypo	CHG	-0.025
Gm07	19014903	19015177	Gmdrm	hypo	CHG	-0.2455
Gm07	19022277	19022378	Gmdrm	hypo	CHG	-0.596
Gm07	19022525	19023111	Gmdrm	hypo	CHG	-0.213
Gm07	19026407	19026534	Gmdrm	hypo	CHG	-0.7836
Gm07	19050871	19051017	Gmdrm	hypo	CHG	-0.042
Gm07	19054601	19054813	Gmdrm	hypo	CHG	-0.6454
Gm07	19069088	19069214	Gmdrm	hypo	CHG	-0.04
Gm07	19074325	19075072	Gmdrm	hypo	CHG	-0.2625
Gm07	19076939	19077006	Gmdrm	hypo	CHG	-0.445
Gm07	19100731	19100812	Gmdrm	hypo	CHG	-0.129
Gm07	19119329	19119540	Gmdrm	hypo	CHG	-0.295
Gm07	19128768	19129005	Gmdrm	hypo	CHG	-0.7291
Gm07	19147084	19147643	Gmdrm	hypo	CHG	-0.2226
Gm07	19147772	19148766	Gmdrm	hypo	CHG	-0.4131
Gm07	19163845	19164130	Gmdrm	hypo	CHG	-0.5588
Gm07	19194064	19194579	Gmdrm	hypo	CHG	-0.1656
Gm07	19284325	19284432	Gmdrm	hypo	CHG	-0.3916
Gm07	19285169	19285236	Gmdrm	hypo	CHG	-0.7343
Gm07	19288962	19289069	Gmdrm	hypo	CHG	-0.054
Gm07	19305522	19305554	Gmdrm	hypo	CHG	-0.7117
Gm07	19342873	19343183	Gmdrm	hypo	CHG	-0.121
Gm07	19377000	19377193	Gmdrm	hypo	CHG	-0.285
Gm07	19379004	19379121	Gmdrm	hypo	CHG	-0.2154
Gm07	19379305	19379516	Gmdrm	hypo	CHG	-0.7464
Gm07	19417025	19417262	Gmdrm	hypo	CHG	-0.6585
Gm07	19490405	19490571	Gmdrm	hypo	CHG	-0.482
Gm07	19534900	19535302	Gmdrm	hypo	CHG	-0.3942
Gm07	19554446	19554610	Gmdrm	hypo	CHG	-0.932
Gm07	19557856	19558088	Gmdrm	hypo	CHG	-0.16
Gm07	19564216	19564498	Gmdrm	hypo	CHG	-0.5207
Gm07	19566755	19566969	Gmdrm	hypo	CHG	-0.3375
Gm07	19579101	19579416	Gmdrm	hypo	CHG	-0.072
Gm07	19582149	19582279	Gmdrm	hypo	CHG	-0.2311
Gm07	19680174	19680238	Gmdrm	hypo	CHG	-0.6776
Gm07	19686724	19686904	Gmdrm	hypo	CHG	-0.5164
Gm07	19687015	19687101	Gmdrm	hypo	CHG	-0.179
Gm07	19708739	19708827	Gmdrm	hypo	CHG	-0.5275
Gm07	19715265	19715671	Gmdrm	hypo	CHG	-0.2865

Gm07	19750482	19750877	Gmdrm	hypo	CHG	-0.1115
Gm07	19784537	19784586	Gmdrm	hypo	CHG	-0.0478
Gm07	19796707	19796921	Gmdrm	hypo	CHG	-0.28
Gm07	19867434	19867944	Gmdrm	hypo	CHG	-0.2562
Gm07	19873090	19873464	Gmdrm	hypo	CHG	-0.1853
Gm07	19873585	19873637	Gmdrm	hypo	CHG	-0.6437
Gm07	19875893	19876218	Gmdrm	hypo	CHG	-0.203
Gm07	19883248	19883376	Gmdrm	hypo	CHG	-0.346
Gm07	19906165	19906390	Gmdrm	hypo	CHG	-0.227
Gm07	19981415	19981650	Gmdrm	hypo	CHG	-0.3891
Gm07	19981808	19982014	Gmdrm	hypo	CHG	-0.138
Gm07	20001621	20002352	Gmdrm	hypo	CHG	-0.2417
Gm07	20007683	20008120	Gmdrm	hypo	CHG	-0.1943
Gm07	20009164	20009320	Gmdrm	hypo	CHG	-0.0343
Gm07	20014451	20014524	Gmdrm	hypo	CHG	-0.04
Gm07	20016955	20017118	Gmdrm	hypo	CHG	-0.924
Gm07	20131661	20131860	Gmdrm	hypo	CHG	-0.116
Gm07	20140695	20141123	Gmdrm	hypo	CHG	-0.2578
Gm07	20141985	20142403	Gmdrm	hypo	CHG	-0.2468
Gm07	20142762	20142993	Gmdrm	hypo	CHG	-0.4625
Gm07	20157009	20157402	Gmdrm	hypo	CHG	-0.1282
Gm07	20247690	20247916	Gmdrm	hypo	CHG	-0.6055
Gm07	20514591	20514956	Gmdrm	hypo	CHG	-0.5369
Gm07	20533599	20533697	Gmdrm	hypo	CHG	-0.18
Gm07	20541439	20542437	Gmdrm	hypo	CHG	-0.1478
Gm07	20546188	20546243	Gmdrm	hypo	CHG	-0.562
Gm07	20563198	20563481	Gmdrm	hypo	CHG	-0.8058
Gm07	20567389	20567616	Gmdrm	hypo	CHG	-0.0571
Gm07	20592936	20593063	Gmdrm	hypo	CHG	-0.3025
Gm07	20593362	20593498	Gmdrm	hypo	CHG	-0.0633
Gm07	20600792	20600897	Gmdrm	hypo	CHG	-0.3063
Gm07	20630570	20630690	Gmdrm	hypo	CHG	-0.4957
Gm07	20635457	20635570	Gmdrm	hypo	CHG	-0.338
Gm07	20678528	20678809	Gmdrm	hypo	CHG	-0.2774
Gm07	20776330	20776433	Gmdrm	hypo	CHG	-0.51
Gm07	20791456	20791552	Gmdrm	hypo	CHG	-0.4287
Gm07	20792659	20792791	Gmdrm	hypo	CHG	-0.5733
Gm07	20968499	20968693	Gmdrm	hypo	CHG	-0.0525
Gm07	20970473	20970520	Gmdrm	hypo	CHG	-0.156
Gm07	21008145	21008459	Gmdrm	hypo	CHG	-0.826
Gm07	21182422	21182856	Gmdrm	hypo	CHG	-0.36
Gm07	21220590	21220836	Gmdrm	hypo	CHG	-0.1189
Gm07	21221884	21222537	Gmdrm	hypo	CHG	-0.2534
Gm07	21244459	21244573	Gmdrm	hypo	CHG	-0.09
Gm07	21284163	21284442	Gmdrm	hypo	CHG	-0.2888
Gm07	21296929	21297083	Gmdrm	hypo	CHG	-0.372

Gm07	21405376	21405537	Gmdrm	hypo	CHG	-0.3271
Gm07	21434160	21434249	Gmdrm	hypo	CHG	-0.0517
Gm07	21443707	21443809	Gmdrm	hypo	CHG	-0.5017
Gm07	21475954	21476376	Gmdrm	hypo	CHG	-0.4375
Gm07	21476503	21476741	Gmdrm	hypo	CHG	-0.2593
Gm07	21480354	21480589	Gmdrm	hypo	CHG	-0.4111
Gm07	21519221	21519341	Gmdrm	hypo	CHG	-0.0733
Gm07	21520576	21520723	Gmdrm	hypo	CHG	-0.6027
Gm07	21525333	21525559	Gmdrm	hypo	CHG	-0.6527
Gm07	21525777	21526008	Gmdrm	hypo	CHG	-0.7171
Gm07	21530930	21531046	Gmdrm	hypo	CHG	-0.3433
Gm07	21563137	21563315	Gmdrm	hypo	CHG	-0.6843
Gm07	21565901	21566324	Gmdrm	hypo	CHG	-0.059
Gm07	21571606	21571652	Gmdrm	hypo	CHG	-0.41
Gm07	21631078	21631820	Gmdrm	hypo	CHG	-0.2379
Gm07	22352248	22352380	Gmdrm	hypo	CHG	-0.134
Gm07	22364760	22365759	Gmdrm	hypo	CHG	-0.233
Gm07	22367782	22368782	Gmdrm	hypo	CHG	-0.118
Gm07	22368809	22369552	Gmdrm	hypo	CHG	-0.1043
Gm07	22507881	22507981	Gmdrm	hypo	CHG	-0.252
Gm07	22529376	22529572	Gmdrm	hypo	CHG	-0.106
Gm07	22530585	22530755	Gmdrm	hypo	CHG	-0.4417
Gm07	22620630	22620755	Gmdrm	hypo	CHG	-0.8412
Gm07	22661006	22661966	Gmdrm	hypo	CHG	-0.0786
Gm07	22762026	22762488	Gmdrm	hypo	CHG	-0.266
Gm07	22776139	22777049	Gmdrm	hypo	CHG	-0.2872
Gm07	22779835	22780067	Gmdrm	hypo	CHG	-0.048
Gm07	22780279	22781258	Gmdrm	hypo	CHG	-0.1071
Gm07	22781289	22782074	Gmdrm	hypo	CHG	-0.0993
Gm07	22782459	22782942	Gmdrm	hypo	CHG	-0.3015
Gm07	22789323	22789449	Gmdrm	hypo	CHG	-0.3266
Gm07	22791413	22792399	Gmdrm	hypo	CHG	-0.1877
Gm07	22792705	22793401	Gmdrm	hypo	CHG	-0.3082
Gm07	22793504	22793668	Gmdrm	hypo	CHG	-0.1693
Gm07	22793789	22794439	Gmdrm	hypo	CHG	-0.3305
Gm07	22801290	22802253	Gmdrm	hypo	CHG	-0.1995
Gm07	22815604	22815718	Gmdrm	hypo	CHG	-0.0384
Gm07	22815961	22816172	Gmdrm	hypo	CHG	-0.0333
Gm07	23207607	23207898	Gmdrm	hypo	CHG	-0.2308
Gm07	23505963	23506195	Gmdrm	hypo	CHG	-0.1193
Gm07	23725448	23725543	Gmdrm	hypo	CHG	-0.236
Gm07	23976725	23976914	Gmdrm	hypo	CHG	-0.214
Gm07	24069180	24069632	Gmdrm	hypo	CHG	-0.6991
Gm07	24294611	24294673	Gmdrm	hypo	CHG	-0.12
Gm07	24542042	24542229	Gmdrm	hypo	CHG	-0.0637
Gm07	24679350	24679688	Gmdrm	hypo	CHG	-0.2666

Gm07	24915542	24915656	Gmdrm	hypo	CHG	-0.0786
Gm07	25054973	25055275	Gmdrm	hypo	CHG	-0.2543
Gm07	25458799	25458883	Gmdrm	hypo	CHG	-0.6578
Gm07	25460667	25461231	Gmdrm	hypo	CHG	-0.0345
Gm07	25532171	25532204	Gmdrm	hypo	CHG	-0.2971
Gm07	26124041	26124171	Gmdrm	hypo	CHG	-0.928
Gm07	26125381	26125628	Gmdrm	hypo	CHG	-0.7029
Gm07	26972260	26972520	Gmdrm	hypo	CHG	-0.115
Gm07	27112818	27113299	Gmdrm	hypo	CHG	-0.2462
Gm07	27268386	27268744	Gmdrm	hypo	CHG	-0.0852
Gm07	27315738	27316170	Gmdrm	hypo	CHG	-0.0744
Gm07	27316282	27316439	Gmdrm	hypo	CHG	-0.1088
Gm07	27429994	27430166	Gmdrm	hypo	CHG	-0.2534
Gm07	27493849	27494134	Gmdrm	hypo	CHG	-0.0513
Gm07	27500852	27501021	Gmdrm	hypo	CHG	-0.0586
Gm07	27866122	27866297	Gmdrm	hypo	CHG	-0.1792
Gm07	27915817	27915859	Gmdrm	hypo	CHG	-0.2334
Gm07	28051970	28052174	Gmdrm	hypo	CHG	-0.3784
Gm07	28063404	28063523	Gmdrm	hypo	CHG	-0.1991
Gm07	28064042	28065032	Gmdrm	hypo	CHG	-0.1457
Gm07	28289156	28289303	Gmdrm	hypo	CHG	-0.5062
Gm07	28329238	28329342	Gmdrm	hypo	CHG	-0.2572
Gm07	28489974	28490233	Gmdrm	hypo	CHG	-0.32
Gm07	28492472	28492591	Gmdrm	hypo	CHG	-0.7629
Gm07	28665950	28666101	Gmdrm	hypo	CHG	-0.0486
Gm07	28669153	28669233	Gmdrm	hypo	CHG	-0.4374
Gm07	28669938	28670100	Gmdrm	hypo	CHG	-0.1933
Gm07	28674143	28674294	Gmdrm	hypo	CHG	-0.05
Gm07	29395194	29395478	Gmdrm	hypo	CHG	-0.2577
Gm07	29401582	29402415	Gmdrm	hypo	CHG	-0.2805
Gm07	29404699	29404882	Gmdrm	hypo	CHG	-0.35
Gm07	29454646	29454756	Gmdrm	hypo	CHG	-0.6116
Gm07	29510322	29510521	Gmdrm	hypo	CHG	-0.0437
Gm07	29569171	29569360	Gmdrm	hypo	CHG	-0.1937
Gm07	29775380	29775612	Gmdrm	hypo	CHG	-0.05
Gm07	29790696	29790829	Gmdrm	hypo	CHG	-0.44
Gm07	29791072	29791185	Gmdrm	hypo	CHG	-0.0575
Gm07	29827909	29827961	Gmdrm	hypo	CHG	-0.6317
Gm07	29851529	29851617	Gmdrm	hypo	CHG	-0.59
Gm07	29853815	29853957	Gmdrm	hypo	CHG	-0.7191
Gm07	29911484	29911549	Gmdrm	hypo	CHG	-0.7884
Gm07	29911678	29912122	Gmdrm	hypo	CHG	-0.6334
Gm07	29931894	29931941	Gmdrm	hypo	CHG	-0.745
Gm07	30075482	30075663	Gmdrm	hypo	CHG	-0.3026
Gm07	30076211	30076263	Gmdrm	hypo	CHG	-0.048
Gm07	30078630	30078962	Gmdrm	hypo	CHG	-0.4429

Gm07	30094289	30094340	Gmdrm	hypo	CHG	-0.2834
Gm07	30102791	30102977	Gmdrm	hypo	CHG	-0.474
Gm07	30107532	30108126	Gmdrm	hypo	CHG	-0.6492
Gm07	30115836	30116025	Gmdrm	hypo	CHG	-0.24
Gm07	30186976	30187083	Gmdrm	hypo	CHG	-0.43
Gm07	30193921	30193977	Gmdrm	hypo	CHG	-0.3366
Gm07	30404888	30405241	Gmdrm	hypo	CHG	-0.3483
Gm07	30407406	30407586	Gmdrm	hypo	CHG	-0.2513
Gm07	30407855	30408327	Gmdrm	hypo	CHG	-0.6415
Gm07	30426995	30427069	Gmdrm	hypo	CHG	-0.7533
Gm07	30427907	30428643	Gmdrm	hypo	CHG	-0.0774
Gm07	30502224	30502497	Gmdrm	hypo	CHG	-0.2034
Gm07	30507611	30507792	Gmdrm	hypo	CHG	-0.135
Gm07	30517060	30517697	Gmdrm	hypo	CHG	-0.4193
Gm07	30715407	30715425	Gmdrm	hypo	CHG	-0.2667
Gm07	30723797	30723809	Gmdrm	hypo	CHG	-0.1867
Gm07	30747932	30748019	Gmdrm	hypo	CHG	-0.3734
Gm07	30890638	30890916	Gmdrm	hypo	CHG	-0.3517
Gm07	30902325	30902585	Gmdrm	hypo	CHG	-0.4808
Gm07	30949109	30949228	Gmdrm	hypo	CHG	-0.2088
Gm07	31015210	31015487	Gmdrm	hypo	CHG	-0.47
Gm07	31035811	31035936	Gmdrm	hypo	CHG	-0.534
Gm07	31041808	31042341	Gmdrm	hypo	CHG	-0.2238
Gm07	31070628	31070747	Gmdrm	hypo	CHG	-0.065
Gm07	31078668	31078882	Gmdrm	hypo	CHG	-0.08
Gm07	31082051	31082214	Gmdrm	hypo	CHG	-0.6462
Gm07	31084796	31084942	Gmdrm	hypo	CHG	-0.53
Gm07	31085272	31085605	Gmdrm	hypo	CHG	-0.3846
Gm07	31268577	31268595	Gmdrm	hypo	CHG	-0.15
Gm07	31349168	31349642	Gmdrm	hypo	CHG	-0.1719
Gm07	31398509	31399351	Gmdrm	hypo	CHG	-0.0751
Gm07	31435664	31435779	Gmdrm	hypo	CHG	-0.8688
Gm07	31436113	31436208	Gmdrm	hypo	CHG	-0.886
Gm07	31436590	31436862	Gmdrm	hypo	CHG	-0.7333
Gm07	31437290	31437339	Gmdrm	hypo	CHG	-0.68
Gm07	31446720	31446875	Gmdrm	hypo	CHG	-0.3733
Gm07	31448839	31448963	Gmdrm	hypo	CHG	-0.15
Gm07	31457483	31457653	Gmdrm	hypo	CHG	-0.23
Gm07	31474030	31474314	Gmdrm	hypo	CHG	-0.2872
Gm07	31474570	31474745	Gmdrm	hypo	CHG	-0.6736
Gm07	31478443	31478708	Gmdrm	hypo	CHG	-0.2754
Gm07	31479398	31479476	Gmdrm	hypo	CHG	-0.4088
Gm07	31546717	31546840	Gmdrm	hypo	CHG	-0.1763
Gm07	31557942	31558335	Gmdrm	hypo	CHG	-0.2747
Gm07	31610138	31610259	Gmdrm	hypo	CHG	-0.0429
Gm07	31726982	31727026	Gmdrm	hypo	CHG	-0.6466

Gm07	31728729	31728828	Gmdrm	hypo	CHG	-0.5617
Gm07	31729085	31729192	Gmdrm	hypo	CHG	-0.72
Gm07	31729410	31729662	Gmdrm	hypo	CHG	-0.9058
Gm07	31886780	31886901	Gmdrm	hypo	CHG	-0.14
Gm07	31897915	31897988	Gmdrm	hypo	CHG	-0.1857
Gm07	31904773	31904920	Gmdrm	hypo	CHG	-0.322
Gm07	31908588	31908754	Gmdrm	hypo	CHG	-0.4488
Gm07	32127807	32128287	Gmdrm	hypo	CHG	-0.3542
Gm07	32128436	32128578	Gmdrm	hypo	CHG	-0.0583
Gm07	32477426	32478275	Gmdrm	hypo	CHG	-0.0204
Gm07	32772004	32772029	Gmdrm	hypo	CHG	-0.26
Gm07	33089283	33089384	Gmdrm	hypo	CHG	-0.11
Gm07	33192648	33192807	Gmdrm	hypo	CHG	-0.036
Gm07	33610830	33611322	Gmdrm	hypo	CHG	-0.2566
Gm07	33611441	33611636	Gmdrm	hypo	CHG	-0.6
Gm07	33846407	33846726	Gmdrm	hypo	CHG	-0.2718
Gm07	33863165	33863283	Gmdrm	hypo	CHG	-0.414
Gm07	33869984	33870117	Gmdrm	hypo	CHG	-0.2543
Gm07	34173898	34174016	Gmdrm	hypo	CHG	-0.142
Gm07	34184932	34185102	Gmdrm	hypo	CHG	-0.0483
Gm07	34227395	34227430	Gmdrm	hypo	CHG	-0.3337
Gm07	34230686	34230730	Gmdrm	hypo	CHG	-0.1649
Gm07	34278232	34278493	Gmdrm	hypo	CHG	-0.341
Gm07	34452227	34452330	Gmdrm	hypo	CHG	-0.63
Gm07	34452511	34452591	Gmdrm	hypo	CHG	-0.7443
Gm07	34478974	34479234	Gmdrm	hypo	CHG	-0.4965
Gm07	34482017	34482399	Gmdrm	hypo	CHG	-0.4535
Gm07	34484624	34484701	Gmdrm	hypo	CHG	-0.7171
Gm07	34537834	34538148	Gmdrm	hypo	CHG	-0.26
Gm07	34540906	34541486	Gmdrm	hypo	CHG	-0.2164
Gm07	34546340	34546419	Gmdrm	hypo	CHG	-0.2983
Gm07	34598181	34598407	Gmdrm	hypo	CHG	-0.3588
Gm07	34604127	34604384	Gmdrm	hypo	CHG	-0.0317
Gm07	34621076	34621152	Gmdrm	hypo	CHG	-0.5322
Gm07	34626264	34626369	Gmdrm	hypo	CHG	-0.526
Gm07	34680719	34681006	Gmdrm	hypo	CHG	-0.2921
Gm07	34682872	34682912	Gmdrm	hypo	CHG	-0.0384
Gm07	34684363	34684630	Gmdrm	hypo	CHG	-0.0561
Gm07	34695412	34695466	Gmdrm	hypo	CHG	-0.334
Gm07	34736904	34737338	Gmdrm	hypo	CHG	-0.3132
Gm07	34737666	34737787	Gmdrm	hypo	CHG	-0.7937
Gm07	34741576	34741728	Gmdrm	hypo	CHG	-0.8018
Gm07	34741843	34742057	Gmdrm	hypo	CHG	-0.4333
Gm07	34803601	34803732	Gmdrm	hypo	CHG	-0.4016
Gm07	34804202	34804428	Gmdrm	hypo	CHG	-0.645
Gm07	34806904	34806960	Gmdrm	hypo	CHG	-0.338

Gm07	34847309	34847571	Gmdrm	hypo	CHG	-0.2409
Gm07	34866273	34866421	Gmdrm	hypo	CHG	-0.2286
Gm07	34866901	34867010	Gmdrm	hypo	CHG	-0.1417
Gm07	34869503	34869600	Gmdrm	hypo	CHG	-0.4187
Gm07	34882589	34882753	Gmdrm	hypo	CHG	-0.04
Gm07	34910504	34910803	Gmdrm	hypo	CHG	-0.0328
Gm07	35023463	35023494	Gmdrm	hypo	CHG	-0.328
Gm07	35027578	35027592	Gmdrm	hypo	CHG	-0.5883
Gm07	35027980	35028332	Gmdrm	hypo	CHG	-0.6858
Gm07	35056510	35056688	Gmdrm	hypo	CHG	-0.0886
Gm07	35061765	35062041	Gmdrm	hypo	CHG	-0.0393
Gm07	35072589	35072771	Gmdrm	hypo	CHG	-0.5084
Gm07	35259999	35260076	Gmdrm	hypo	CHG	-0.5956
Gm07	35260263	35260543	Gmdrm	hypo	CHG	-0.5495
Gm07	35271005	35271249	Gmdrm	hypo	CHG	-0.523
Gm07	35304554	35304589	Gmdrm	hypo	CHG	-0.725
Gm07	35307055	35307183	Gmdrm	hypo	CHG	-0.5337
Gm07	35307676	35307871	Gmdrm	hypo	CHG	-0.3872
Gm07	35313647	35313737	Gmdrm	hypo	CHG	-0.5025
Gm07	35326989	35327642	Gmdrm	hypo	CHG	-0.6808
Gm07	35341625	35341814	Gmdrm	hypo	CHG	-0.6867
Gm07	35364597	35364863	Gmdrm	hypo	CHG	-0.5389
Gm07	35366390	35366658	Gmdrm	hypo	CHG	-0.3325
Gm07	35368219	35368294	Gmdrm	hypo	CHG	-0.06
Gm07	35369133	35369308	Gmdrm	hypo	CHG	-0.1978
Gm07	35375305	35375469	Gmdrm	hypo	CHG	-0.8814
Gm07	35375734	35375815	Gmdrm	hypo	CHG	-0.838
Gm07	35389604	35389914	Gmdrm	hypo	CHG	-0.0973
Gm07	35392737	35392755	Gmdrm	hypo	CHG	-0.4734
Gm07	35401276	35401606	Gmdrm	hypo	CHG	-0.063
Gm07	35406454	35406549	Gmdrm	hypo	CHG	-0.0973
Gm07	35414812	35414901	Gmdrm	hypo	CHG	-0.827
Gm07	35415875	35416051	Gmdrm	hypo	CHG	-0.6589
Gm07	35416628	35416711	Gmdrm	hypo	CHG	-0.91
Gm07	35416990	35417035	Gmdrm	hypo	CHG	-0.9234
Gm07	35433133	35433460	Gmdrm	hypo	CHG	-0.2322
Gm07	35434155	35434374	Gmdrm	hypo	CHG	-0.37
Gm07	35435676	35436623	Gmdrm	hypo	CHG	-0.2985
Gm07	35438486	35438560	Gmdrm	hypo	CHG	-0.1483
Gm07	35455727	35456091	Gmdrm	hypo	CHG	-0.5773
Gm07	35458027	35458509	Gmdrm	hypo	CHG	-0.3446
Gm07	35458616	35458702	Gmdrm	hypo	CHG	-0.7044
Gm07	35468368	35468513	Gmdrm	hypo	CHG	-0.305
Gm07	35476027	35476170	Gmdrm	hypo	CHG	-0.3983
Gm07	35495908	35496290	Gmdrm	hypo	CHG	-0.2883
Gm07	35496411	35496586	Gmdrm	hypo	CHG	-0.6643

Gm07	35498532	35498587	Gmdrm	hypo	CHG	-0.8163
Gm07	35498712	35498780	Gmdrm	hypo	CHG	-0.8883
Gm07	35523504	35523691	Gmdrm	hypo	CHG	-0.05
Gm07	35527388	35528006	Gmdrm	hypo	CHG	-0.0862
Gm07	35577481	35577522	Gmdrm	hypo	CHG	-0.04
Gm07	35613787	35613945	Gmdrm	hypo	CHG	-0.0566
Gm07	35624439	35624928	Gmdrm	hypo	CHG	-0.7828
Gm07	35635428	35635588	Gmdrm	hypo	CHG	-0.4489
Gm07	35635847	35635968	Gmdrm	hypo	CHG	-0.364
Gm07	35641261	35641431	Gmdrm	hypo	CHG	-0.4289
Gm07	35650664	35650850	Gmdrm	hypo	CHG	-0.7267
Gm07	35651255	35651482	Gmdrm	hypo	CHG	-0.88
Gm07	35657650	35657811	Gmdrm	hypo	CHG	-0.03
Gm07	35695649	35696007	Gmdrm	hypo	CHG	-0.034
Gm07	35713374	35713862	Gmdrm	hypo	CHG	-0.53
Gm07	35730135	35730242	Gmdrm	hypo	CHG	-0.626
Gm07	35730912	35731079	Gmdrm	hypo	CHG	-0.5158
Gm07	35740422	35740582	Gmdrm	hypo	CHG	-0.062
Gm07	35748051	35748106	Gmdrm	hypo	CHG	-0.402
Gm07	35759131	35759258	Gmdrm	hypo	CHG	-0.72
Gm07	35760677	35760856	Gmdrm	hypo	CHG	-0.8223
Gm07	35775577	35776519	Gmdrm	hypo	CHG	-0.1211
Gm07	35814834	35814925	Gmdrm	hypo	CHG	-0.596
Gm07	35816832	35816999	Gmdrm	hypo	CHG	-0.5343
Gm07	35818592	35818879	Gmdrm	hypo	CHG	-0.0238
Gm07	35828251	35828323	Gmdrm	hypo	CHG	-0.7343
Gm07	35828506	35828587	Gmdrm	hypo	CHG	-0.324
Gm07	35833083	35833234	Gmdrm	hypo	CHG	-0.0914
Gm07	35847466	35847609	Gmdrm	hypo	CHG	-0.6933
Gm07	35853047	35853122	Gmdrm	hypo	CHG	-0.74
Gm07	35858974	35859201	Gmdrm	hypo	CHG	-0.7565
Gm07	35859874	35859991	Gmdrm	hypo	CHG	-0.5371
Gm07	35864842	35864909	Gmdrm	hypo	CHG	-0.6633
Gm07	35865072	35865262	Gmdrm	hypo	CHG	-0.9325
Gm07	35867840	35868057	Gmdrm	hypo	CHG	-0.2743
Gm07	35868770	35869091	Gmdrm	hypo	CHG	-0.2924
Gm07	35869504	35869867	Gmdrm	hypo	CHG	-0.4155
Gm07	35870021	35870418	Gmdrm	hypo	CHG	-0.2028
Gm07	35872639	35872754	Gmdrm	hypo	CHG	-0.458
Gm07	35880244	35880477	Gmdrm	hypo	CHG	-0.3621
Gm07	35894826	35894939	Gmdrm	hypo	CHG	-0.2013
Gm07	35928277	35928534	Gmdrm	hypo	CHG	-0.79
Gm07	35953048	35953112	Gmdrm	hypo	CHG	-0.735
Gm07	35953873	35954012	Gmdrm	hypo	CHG	-0.6787
Gm07	35964803	35964882	Gmdrm	hypo	CHG	-0.4772
Gm07	35991356	35991397	Gmdrm	hypo	CHG	-0.032

Gm07	35997859	35998053	Gmdrm	hypo	CHG	-0.6518
Gm07	36002229	36002386	Gmdrm	hypo	CHG	-0.5
Gm07	36006027	36006353	Gmdrm	hypo	CHG	-0.6819
Gm07	36006496	36006578	Gmdrm	hypo	CHG	-0.1613
Gm07	36009077	36009200	Gmdrm	hypo	CHG	-0.7654
Gm07	36009392	36009538	Gmdrm	hypo	CHG	-0.8358
Gm07	36036171	36036397	Gmdrm	hypo	CHG	-0.6361
Gm07	36044049	36044431	Gmdrm	hypo	CHG	-0.2729
Gm07	36054348	36054398	Gmdrm	hypo	CHG	-0.2434
Gm07	36054695	36054924	Gmdrm	hypo	CHG	-0.2943
Gm07	36074362	36074397	Gmdrm	hypo	CHG	-0.2833
Gm07	36074556	36074705	Gmdrm	hypo	CHG	-0.5838
Gm07	36080845	36081043	Gmdrm	hypo	CHG	-0.036
Gm07	36085521	36086099	Gmdrm	hypo	CHG	-0.49
Gm07	36087624	36087866	Gmdrm	hypo	CHG	-0.0478
Gm07	36088569	36088674	Gmdrm	hypo	CHG	-0.61
Gm07	36088896	36089002	Gmdrm	hypo	CHG	-0.875
Gm07	36089898	36089971	Gmdrm	hypo	CHG	-0.054
Gm07	36096344	36096386	Gmdrm	hypo	CHG	-0.07
Gm07	36104620	36104724	Gmdrm	hypo	CHG	-0.8218
Gm07	36104828	36104974	Gmdrm	hypo	CHG	-0.8895
Gm07	36111782	36111948	Gmdrm	hypo	CHG	-0.6635
Gm07	36112167	36112402	Gmdrm	hypo	CHG	-0.345
Gm07	36113536	36113760	Gmdrm	hypo	CHG	-0.6344
Gm07	36121764	36121854	Gmdrm	hypo	CHG	-0.04
Gm07	36139267	36139429	Gmdrm	hypo	CHG	-0.032
Gm07	36151144	36151291	Gmdrm	hypo	CHG	-0.03
Gm07	36154552	36154598	Gmdrm	hypo	CHG	-0.028
Gm07	36165759	36166109	Gmdrm	hypo	CHG	-0.0473
Gm07	36173831	36173858	Gmdrm	hypo	CHG	-0.7787
Gm07	36182545	36183011	Gmdrm	hypo	CHG	-0.0275
Gm07	36190128	36190225	Gmdrm	hypo	CHG	-0.066
Gm07	36200627	36200952	Gmdrm	hypo	CHG	-0.3658
Gm07	36208922	36209060	Gmdrm	hypo	CHG	-0.436
Gm07	36213194	36213637	Gmdrm	hypo	CHG	-0.4559
Gm07	36215935	36216187	Gmdrm	hypo	CHG	-0.0243
Gm07	36218236	36218399	Gmdrm	hypo	CHG	-0.71
Gm07	36222636	36222767	Gmdrm	hypo	CHG	-0.045
Gm07	36237571	36237662	Gmdrm	hypo	CHG	-0.2489
Gm07	36250981	36251284	Gmdrm	hypo	CHG	-0.4961
Gm07	36290910	36291192	Gmdrm	hypo	CHG	-0.3615
Gm07	36292087	36292144	Gmdrm	hypo	CHG	-0.365
Gm07	36300187	36300273	Gmdrm	hypo	CHG	-0.482
Gm07	36300446	36300658	Gmdrm	hypo	CHG	-0.4875
Gm07	36301924	36302172	Gmdrm	hypo	CHG	-0.5992
Gm07	36317359	36317436	Gmdrm	hypo	CHG	-0.446

Gm07	36320648	36320802	Gmdrm	hypo	CHG	-0.38
Gm07	36336845	36337340	Gmdrm	hypo	CHG	-0.6308
Gm07	36338497	36338974	Gmdrm	hypo	CHG	-0.9007
Gm07	36340822	36340966	Gmdrm	hypo	CHG	-0.35
Gm07	36341928	36342021	Gmdrm	hypo	CHG	-0.078
Gm07	36354847	36355051	Gmdrm	hypo	CHG	-0.8783
Gm07	36357201	36357307	Gmdrm	hypo	CHG	-0.6019
Gm07	36357490	36357668	Gmdrm	hypo	CHG	-0.705
Gm07	36376517	36376954	Gmdrm	hypo	CHG	-0.0533
Gm07	36394310	36394362	Gmdrm	hypo	CHG	-0.1162
Gm07	36394725	36394881	Gmdrm	hypo	CHG	-0.2694
Gm07	36410945	36411369	Gmdrm	hypo	CHG	-0.142
Gm07	36436716	36437117	Gmdrm	hypo	CHG	-0.7138
Gm07	36437850	36438194	Gmdrm	hypo	CHG	-0.4691
Gm07	36438549	36438669	Gmdrm	hypo	CHG	-0.7029
Gm07	36448574	36448723	Gmdrm	hypo	CHG	-0.5608
Gm07	36456480	36456897	Gmdrm	hypo	CHG	-0.0367
Gm07	36500424	36500582	Gmdrm	hypo	CHG	-0.34
Gm07	36504075	36504139	Gmdrm	hypo	CHG	-0.04
Gm07	36504254	36504334	Gmdrm	hypo	CHG	-0.064
Gm07	36506029	36506107	Gmdrm	hypo	CHG	-0.665
Gm07	36506320	36506420	Gmdrm	hypo	CHG	-0.8023
Gm07	36506552	36506688	Gmdrm	hypo	CHG	-0.8708
Gm07	36513362	36513803	Gmdrm	hypo	CHG	-0.3359
Gm07	36521055	36521356	Gmdrm	hypo	CHG	-0.6664
Gm07	36530169	36530455	Gmdrm	hypo	CHG	-0.4557
Gm07	36541105	36541307	Gmdrm	hypo	CHG	-0.59
Gm07	36547600	36548056	Gmdrm	hypo	CHG	-0.5828
Gm07	36550108	36550467	Gmdrm	hypo	CHG	-0.5648
Gm07	36552638	36552719	Gmdrm	hypo	CHG	-0.1617
Gm07	36556000	36556169	Gmdrm	hypo	CHG	-0.5288
Gm07	36560916	36561372	Gmdrm	hypo	CHG	-0.5247
Gm07	36561676	36561753	Gmdrm	hypo	CHG	-0.3809
Gm07	36567465	36567543	Gmdrm	hypo	CHG	-0.3583
Gm07	36582349	36582506	Gmdrm	hypo	CHG	-0.37
Gm07	36582846	36582880	Gmdrm	hypo	CHG	-0.87
Gm07	36594146	36594160	Gmdrm	hypo	CHG	-0.2437
Gm07	36598076	36598241	Gmdrm	hypo	CHG	-0.2889
Gm07	36598976	36599051	Gmdrm	hypo	CHG	-0.6817
Gm07	36615654	36615759	Gmdrm	hypo	CHG	-0.7833
Gm07	36623990	36624375	Gmdrm	hypo	CHG	-0.4962
Gm07	36626955	36627304	Gmdrm	hypo	CHG	-0.26
Gm07	36627428	36627490	Gmdrm	hypo	CHG	-0.7317
Gm07	36667739	36667894	Gmdrm	hypo	CHG	-0.588
Gm07	36682041	36682447	Gmdrm	hypo	CHG	-0.4667
Gm07	36715949	36716133	Gmdrm	hypo	CHG	-0.062

Gm07	36717739	36717918	Gmdrm	hypo	CHG	-0.04
Gm07	36741772	36741944	Gmdrm	hypo	CHG	-0.0566
Gm07	36753102	36753333	Gmdrm	hypo	CHG	-0.6725
Gm07	36753666	36753929	Gmdrm	hypo	CHG	-0.6057
Gm07	36756861	36757156	Gmdrm	hypo	CHG	-0.3522
Gm07	36757332	36757575	Gmdrm	hypo	CHG	-0.2281
Gm07	36765935	36766065	Gmdrm	hypo	CHG	-0.6949
Gm07	36767750	36767866	Gmdrm	hypo	CHG	-0.6313
Gm07	36770821	36771083	Gmdrm	hypo	CHG	-0.6423
Gm07	36787247	36787710	Gmdrm	hypo	CHG	-0.0321
Gm07	36795900	36796181	Gmdrm	hypo	CHG	-0.1014
Gm07	36799615	36799711	Gmdrm	hypo	CHG	-0.2912
Gm07	36802465	36802873	Gmdrm	hypo	CHG	-0.1853
Gm07	36808199	36808409	Gmdrm	hypo	CHG	-0.8722
Gm07	36847203	36847289	Gmdrm	hypo	CHG	-0.234
Gm07	36855409	36855782	Gmdrm	hypo	CHG	-0.462
Gm07	36860414	36860580	Gmdrm	hypo	CHG	-0.096
Gm07	36881823	36882074	Gmdrm	hypo	CHG	-0.506
Gm07	36882847	36883052	Gmdrm	hypo	CHG	-0.042
Gm07	36885181	36885347	Gmdrm	hypo	CHG	-0.4214
Gm07	36886133	36886380	Gmdrm	hypo	CHG	-0.3287
Gm07	36896758	36896894	Gmdrm	hypo	CHG	-0.406
Gm07	36898214	36898433	Gmdrm	hypo	CHG	-0.3878
Gm07	36899040	36899190	Gmdrm	hypo	CHG	-0.322
Gm07	36899598	36900038	Gmdrm	hypo	CHG	-0.3148
Gm07	36918167	36918439	Gmdrm	hypo	CHG	-0.8724
Gm07	36918545	36918896	Gmdrm	hypo	CHG	-0.7813
Gm07	36929339	36929427	Gmdrm	hypo	CHG	-0.24
Gm07	36946435	36946672	Gmdrm	hypo	CHG	-0.0443
Gm07	36966175	36966419	Gmdrm	hypo	CHG	-0.0375
Gm07	36971182	36971229	Gmdrm	hypo	CHG	-0.555
Gm07	36997690	36997911	Gmdrm	hypo	CHG	-0.745
Gm07	36998647	36998735	Gmdrm	hypo	CHG	-0.7382
Gm07	37001755	37001917	Gmdrm	hypo	CHG	-0.48
Gm07	37009521	37009589	Gmdrm	hypo	CHG	-0.272
Gm07	37023228	37023397	Gmdrm	hypo	CHG	-0.062
Gm07	37026132	37026670	Gmdrm	hypo	CHG	-0.1917
Gm07	37035488	37035636	Gmdrm	hypo	CHG	-0.7067
Gm07	37045119	37045346	Gmdrm	hypo	CHG	-0.5895
Gm07	37045691	37045826	Gmdrm	hypo	CHG	-0.06
Gm07	37053031	37053121	Gmdrm	hypo	CHG	-0.9036
Gm07	37054585	37054731	Gmdrm	hypo	CHG	-0.03
Gm07	37057119	37057222	Gmdrm	hypo	CHG	-0.3917
Gm07	37067603	37067975	Gmdrm	hypo	CHG	-0.5974
Gm07	37068650	37068951	Gmdrm	hypo	CHG	-0.3522
Gm07	37089303	37089539	Gmdrm	hypo	CHG	-0.3726

Gm07	37104676	37104855	Gmdrm	hypo	CHG	-0.0417
Gm07	37112681	37112785	Gmdrm	hypo	CHG	-0.04
Gm07	37113382	37113504	Gmdrm	hypo	CHG	-0.3209
Gm07	37126086	37126344	Gmdrm	hypo	CHG	-0.4736
Gm07	37126486	37126614	Gmdrm	hypo	CHG	-0.4525
Gm07	37127311	37127683	Gmdrm	hypo	CHG	-0.4658
Gm07	37127787	37127858	Gmdrm	hypo	CHG	-0.1337
Gm07	37138305	37138492	Gmdrm	hypo	CHG	-0.05
Gm07	37145083	37145469	Gmdrm	hypo	CHG	-0.0545
Gm07	37183605	37183745	Gmdrm	hypo	CHG	-0.5833
Gm07	37188557	37188848	Gmdrm	hypo	CHG	-0.0422
Gm07	37197054	37197536	Gmdrm	hypo	CHG	-0.1047
Gm07	37208347	37208837	Gmdrm	hypo	CHG	-0.5319
Gm07	37210058	37210196	Gmdrm	hypo	CHG	-0.682
Gm07	37224378	37224493	Gmdrm	hypo	CHG	-0.1517
Gm07	37224633	37224680	Gmdrm	hypo	CHG	-0.8743
Gm07	37224918	37225341	Gmdrm	hypo	CHG	-0.5787
Gm07	37234113	37234258	Gmdrm	hypo	CHG	-0.2713
Gm07	37243337	37243641	Gmdrm	hypo	CHG	-0.2963
Gm07	37249127	37249407	Gmdrm	hypo	CHG	-0.0244
Gm07	37263772	37264360	Gmdrm	hypo	CHG	-0.1303
Gm07	37266798	37267100	Gmdrm	hypo	CHG	-0.3359
Gm07	37267217	37267568	Gmdrm	hypo	CHG	-0.2333
Gm07	37278097	37278677	Gmdrm	hypo	CHG	-0.4114
Gm07	37279020	37279176	Gmdrm	hypo	CHG	-0.5115
Gm07	37291821	37291897	Gmdrm	hypo	CHG	-0.4328
Gm07	37292079	37292121	Gmdrm	hypo	CHG	-0.2384
Gm07	37297904	37298056	Gmdrm	hypo	CHG	-0.591
Gm07	37308569	37308832	Gmdrm	hypo	CHG	-0.0643
Gm07	37330751	37331184	Gmdrm	hypo	CHG	-0.4377
Gm07	37331307	37331392	Gmdrm	hypo	CHG	-0.542
Gm07	37335521	37335847	Gmdrm	hypo	CHG	-0.2013
Gm07	37349590	37349756	Gmdrm	hypo	CHG	-0.27
Gm07	37349933	37350068	Gmdrm	hypo	CHG	-0.602
Gm07	37365388	37365672	Gmdrm	hypo	CHG	-0.8048
Gm07	37366040	37366163	Gmdrm	hypo	CHG	-0.7727
Gm07	37366357	37366513	Gmdrm	hypo	CHG	-0.9143
Gm07	37366695	37366792	Gmdrm	hypo	CHG	-0.4871
Gm07	37386612	37386711	Gmdrm	hypo	CHG	-0.588
Gm07	37387512	37387756	Gmdrm	hypo	CHG	-0.4143
Gm07	37390514	37390600	Gmdrm	hypo	CHG	-0.8099
Gm07	37403220	37403768	Gmdrm	hypo	CHG	-0.5804
Gm07	37431396	37431548	Gmdrm	hypo	CHG	-0.0983
Gm07	37435801	37435856	Gmdrm	hypo	CHG	-0.29
Gm07	37442460	37442705	Gmdrm	hypo	CHG	-0.4045
Gm07	37467263	37467348	Gmdrm	hypo	CHG	-0.33

Gm07	37467487	37467622	Gmdrm	hypo	CHG	-0.4073
Gm07	37472725	37472858	Gmdrm	hypo	CHG	-0.8572
Gm07	37478331	37478499	Gmdrm	hypo	CHG	-0.505
Gm07	37479636	37479852	Gmdrm	hypo	CHG	-0.55
Gm07	37480192	37480311	Gmdrm	hypo	CHG	-0.479
Gm07	37481578	37481684	Gmdrm	hypo	CHG	-0.44
Gm07	37483891	37484244	Gmdrm	hypo	CHG	-0.2579
Gm07	37484649	37484756	Gmdrm	hypo	CHG	-0.682
Gm07	37484929	37485069	Gmdrm	hypo	CHG	-0.6529
Gm07	37491994	37492159	Gmdrm	hypo	CHG	-0.042
Gm07	37492567	37492617	Gmdrm	hypo	CHG	-0.945
Gm07	37492936	37493240	Gmdrm	hypo	CHG	-0.8982
Gm07	37501745	37502166	Gmdrm	hypo	CHG	-0.6
Gm07	37505311	37505525	Gmdrm	hypo	CHG	-0.5447
Gm07	37506573	37506675	Gmdrm	hypo	CHG	-0.3687
Gm07	37511077	37511426	Gmdrm	hypo	CHG	-0.4465
Gm07	37520935	37521010	Gmdrm	hypo	CHG	-0.525
Gm07	37521845	37522149	Gmdrm	hypo	CHG	-0.5108
Gm07	37528530	37528940	Gmdrm	hypo	CHG	-0.18
Gm07	37539641	37539848	Gmdrm	hypo	CHG	-0.057
Gm07	37555901	37556018	Gmdrm	hypo	CHG	-0.72
Gm07	37556195	37556328	Gmdrm	hypo	CHG	-0.5385
Gm07	37556436	37556475	Gmdrm	hypo	CHG	-0.354
Gm07	37556639	37556955	Gmdrm	hypo	CHG	-0.3992
Gm07	37564118	37564167	Gmdrm	hypo	CHG	-0.7183
Gm07	37581726	37581982	Gmdrm	hypo	CHG	-0.4028
Gm07	37582097	37582428	Gmdrm	hypo	CHG	-0.498
Gm07	37609100	37609273	Gmdrm	hypo	CHG	-0.0938
Gm07	37631468	37631746	Gmdrm	hypo	CHG	-0.4011
Gm07	37650403	37650466	Gmdrm	hypo	CHG	-0.802
Gm07	37662643	37662655	Gmdrm	hypo	CHG	-0.062
Gm07	37680451	37680660	Gmdrm	hypo	CHG	-0.7546
Gm07	37680774	37680958	Gmdrm	hypo	CHG	-0.5213
Gm07	37683889	37684052	Gmdrm	hypo	CHG	-0.528
Gm07	37688623	37689000	Gmdrm	hypo	CHG	-0.2261
Gm07	37701255	37701523	Gmdrm	hypo	CHG	-0.8717
Gm07	37701700	37701904	Gmdrm	hypo	CHG	-0.929
Gm07	37707899	37708026	Gmdrm	hypo	CHG	-0.1762
Gm07	37711534	37711926	Gmdrm	hypo	CHG	-0.8757
Gm07	37722767	37722861	Gmdrm	hypo	CHG	-0.602
Gm07	37723684	37723847	Gmdrm	hypo	CHG	-0.6785
Gm07	37732530	37732717	Gmdrm	hypo	CHG	-0.8111
Gm07	37741700	37741916	Gmdrm	hypo	CHG	-0.326
Gm07	37761796	37761905	Gmdrm	hypo	CHG	-0.574
Gm07	37770803	37771009	Gmdrm	hypo	CHG	-0.6662
Gm07	37771149	37771391	Gmdrm	hypo	CHG	-0.4937

Gm07	37774732	37774843	Gmdrm	hypo	CHG	-0.18
Gm07	37789203	37789320	Gmdrm	hypo	CHG	-0.2625
Gm07	37841278	37841401	Gmdrm	hypo	CHG	-0.04
Gm07	37842292	37842524	Gmdrm	hypo	CHG	-0.5889
Gm07	37849829	37849901	Gmdrm	hypo	CHG	-0.4083
Gm07	37850203	37850275	Gmdrm	hypo	CHG	-0.1067
Gm07	37896970	37897653	Gmdrm	hypo	CHG	-0.3819
Gm07	37909383	37909547	Gmdrm	hypo	CHG	-0.03
Gm07	37930618	37930731	Gmdrm	hypo	CHG	-0.0587
Gm07	37939875	37940080	Gmdrm	hypo	CHG	-0.4743
Gm07	37952671	37952806	Gmdrm	hypo	CHG	-0.7282
Gm07	37956288	37956521	Gmdrm	hypo	CHG	-0.8414
Gm07	37958599	37958683	Gmdrm	hypo	CHG	-0.2772
Gm07	37958789	37958917	Gmdrm	hypo	CHG	-0.482
Gm07	37966703	37966839	Gmdrm	hypo	CHG	-0.785
Gm07	37967156	37967604	Gmdrm	hypo	CHG	-0.4127
Gm07	37968378	37968681	Gmdrm	hypo	CHG	-0.782
Gm07	37999335	37999357	Gmdrm	hypo	CHG	-0.0757
Gm07	38028760	38028948	Gmdrm	hypo	CHG	-0.048
Gm07	38034821	38034901	Gmdrm	hypo	CHG	-0.058
Gm07	38053148	38053866	Gmdrm	hypo	CHG	-0.2172
Gm07	38058279	38058332	Gmdrm	hypo	CHG	-0.79
Gm07	38059825	38059912	Gmdrm	hypo	CHG	-0.53
Gm07	38075156	38075576	Gmdrm	hypo	CHG	-0.0279
Gm07	38075794	38076138	Gmdrm	hypo	CHG	-0.511
Gm07	38085454	38085821	Gmdrm	hypo	CHG	-0.0216
Gm07	38090760	38091080	Gmdrm	hypo	CHG	-0.6706
Gm07	38091299	38091514	Gmdrm	hypo	CHG	-0.8573
Gm07	38091912	38091990	Gmdrm	hypo	CHG	-0.042
Gm07	38103737	38103921	Gmdrm	hypo	CHG	-0.42
Gm07	38110294	38110522	Gmdrm	hypo	CHG	-0.6118
Gm07	38110835	38110998	Gmdrm	hypo	CHG	-0.716
Gm07	38118673	38119197	Gmdrm	hypo	CHG	-0.5985
Gm07	38124735	38124838	Gmdrm	hypo	CHG	-0.0328
Gm07	38145403	38145645	Gmdrm	hypo	CHG	-0.4825
Gm07	38160749	38161398	Gmdrm	hypo	CHG	-0.2211
Gm07	38168576	38168665	Gmdrm	hypo	CHG	-0.374
Gm07	38177259	38177371	Gmdrm	hypo	CHG	-0.3699
Gm07	38184478	38184809	Gmdrm	hypo	CHG	-0.046
Gm07	38195083	38195183	Gmdrm	hypo	CHG	-0.577
Gm07	38203242	38203413	Gmdrm	hypo	CHG	-0.3384
Gm07	38207259	38207383	Gmdrm	hypo	CHG	-0.048
Gm07	38231675	38231810	Gmdrm	hypo	CHG	-0.3934
Gm07	38241409	38241457	Gmdrm	hypo	CHG	-0.3367
Gm07	38245969	38246915	Gmdrm	hypo	CHG	-0.1165
Gm07	38258157	38258283	Gmdrm	hypo	CHG	-0.5792

Gm07	38259533	38259882	Gmdrm	hypo	CHG	-0.4368
Gm07	38267612	38268098	Gmdrm	hypo	CHG	-0.3295
Gm07	38341541	38341730	Gmdrm	hypo	CHG	-0.0586
Gm07	38367009	38367068	Gmdrm	hypo	CHG	-0.74
Gm07	38369711	38369765	Gmdrm	hypo	CHG	-0.462
Gm07	38369888	38369967	Gmdrm	hypo	CHG	-0.04
Gm07	38371451	38371509	Gmdrm	hypo	CHG	-0.666
Gm07	38377499	38378025	Gmdrm	hypo	CHG	-0.31
Gm07	38395913	38396110	Gmdrm	hypo	CHG	-0.694
Gm07	38399416	38399508	Gmdrm	hypo	CHG	-0.5125
Gm07	38399727	38399896	Gmdrm	hypo	CHG	-0.78
Gm07	38433125	38433399	Gmdrm	hypo	CHG	-0.39
Gm07	38480824	38480919	Gmdrm	hypo	CHG	-0.5625
Gm07	38481033	38481123	Gmdrm	hypo	CHG	-0.76
Gm07	38495171	38495313	Gmdrm	hypo	CHG	-0.0727
Gm07	38510187	38510326	Gmdrm	hypo	CHG	-0.324
Gm07	38513422	38513471	Gmdrm	hypo	CHG	-0.638
Gm07	38514143	38514257	Gmdrm	hypo	CHG	-0.6371
Gm07	38522446	38522626	Gmdrm	hypo	CHG	-0.804
Gm07	38528906	38529292	Gmdrm	hypo	CHG	-0.4561
Gm07	38545257	38545715	Gmdrm	hypo	CHG	-0.5524
Gm07	38554070	38554188	Gmdrm	hypo	CHG	-0.2712
Gm07	38554462	38554846	Gmdrm	hypo	CHG	-0.3955
Gm07	38554953	38555160	Gmdrm	hypo	CHG	-0.6467
Gm07	38555387	38555452	Gmdrm	hypo	CHG	-0.0883
Gm07	38571915	38571980	Gmdrm	hypo	CHG	-0.125
Gm07	38582503	38583261	Gmdrm	hypo	CHG	-0.6736
Gm07	38583369	38583456	Gmdrm	hypo	CHG	-0.7587
Gm07	38583696	38584126	Gmdrm	hypo	CHG	-0.3109
Gm07	38584262	38584371	Gmdrm	hypo	CHG	-0.29
Gm07	38585360	38585504	Gmdrm	hypo	CHG	-0.806
Gm07	38612208	38612300	Gmdrm	hypo	CHG	-0.8275
Gm07	38652508	38652597	Gmdrm	hypo	CHG	-0.2983
Gm07	38708811	38709051	Gmdrm	hypo	CHG	-0.5186
Gm07	38709152	38709255	Gmdrm	hypo	CHG	-0.8516
Gm07	38719162	38719329	Gmdrm	hypo	CHG	-0.6087
Gm07	38729362	38729488	Gmdrm	hypo	CHG	-0.0414
Gm07	38733296	38733401	Gmdrm	hypo	CHG	-0.096
Gm07	38745367	38746246	Gmdrm	hypo	CHG	-0.154
Gm07	38766253	38766454	Gmdrm	hypo	CHG	-0.747
Gm07	38773181	38773358	Gmdrm	hypo	CHG	-0.8805
Gm07	38776728	38776825	Gmdrm	hypo	CHG	-0.5725
Gm07	38777694	38777863	Gmdrm	hypo	CHG	-0.2146
Gm07	38778492	38778660	Gmdrm	hypo	CHG	-0.7316
Gm07	38802815	38802973	Gmdrm	hypo	CHG	-0.318
Gm07	38828271	38828358	Gmdrm	hypo	CHG	-0.528

Gm07	38845750	38845789	Gmdrm	hypo	CHG	-0.8266
Gm07	38861420	38861633	Gmdrm	hypo	CHG	-0.1188
Gm07	38867708	38867797	Gmdrm	hypo	CHG	-0.648
Gm07	38868006	38868065	Gmdrm	hypo	CHG	-0.4467
Gm07	38910859	38910908	Gmdrm	hypo	CHG	-0.4334
Gm07	38911645	38911875	Gmdrm	hypo	CHG	-0.3525
Gm07	38912066	38912261	Gmdrm	hypo	CHG	-0.8093
Gm07	38912413	38912516	Gmdrm	hypo	CHG	-0.75
Gm07	38918698	38918959	Gmdrm	hypo	CHG	-0.0586
Gm07	38929147	38930143	Gmdrm	hypo	CHG	-0.3329
Gm07	38939345	38939546	Gmdrm	hypo	CHG	-0.26
Gm07	38939692	38939719	Gmdrm	hypo	CHG	-0.718
Gm07	38947988	38948196	Gmdrm	hypo	CHG	-0.3784
Gm07	38952804	38952973	Gmdrm	hypo	CHG	-0.4782
Gm07	38953173	38953259	Gmdrm	hypo	CHG	-0.3987
Gm07	38953542	38953614	Gmdrm	hypo	CHG	-0.234
Gm07	38956237	38956342	Gmdrm	hypo	CHG	-0.792
Gm07	38956464	38956524	Gmdrm	hypo	CHG	-0.6767
Gm07	38958996	38959143	Gmdrm	hypo	CHG	-0.8813
Gm07	38959905	38960092	Gmdrm	hypo	CHG	-0.3343
Gm07	38965116	38965325	Gmdrm	hypo	CHG	-0.8921
Gm07	38965541	38965595	Gmdrm	hypo	CHG	-0.9356
Gm07	38976991	38977195	Gmdrm	hypo	CHG	-0.8282
Gm07	38977642	38978005	Gmdrm	hypo	CHG	-0.88
Gm07	38978380	38978647	Gmdrm	hypo	CHG	-0.8183
Gm07	38978779	38979019	Gmdrm	hypo	CHG	-0.725
Gm07	38979167	38979318	Gmdrm	hypo	CHG	-0.646
Gm07	38979436	38979915	Gmdrm	hypo	CHG	-0.8053
Gm07	38980326	38980467	Gmdrm	hypo	CHG	-0.6556
Gm07	38980568	38980893	Gmdrm	hypo	CHG	-0.7183
Gm07	39010511	39010773	Gmdrm	hypo	CHG	-0.3166
Gm07	39010976	39011117	Gmdrm	hypo	CHG	-0.3766
Gm07	39017986	39018207	Gmdrm	hypo	CHG	-0.1804
Gm07	39018384	39018457	Gmdrm	hypo	CHG	-0.2425
Gm07	39028948	39029161	Gmdrm	hypo	CHG	-0.4657
Gm07	39029990	39030015	Gmdrm	hypo	CHG	-0.156
Gm07	39042129	39042660	Gmdrm	hypo	CHG	-0.0773
Gm07	39057874	39058355	Gmdrm	hypo	CHG	-0.7311
Gm07	39074083	39074262	Gmdrm	hypo	CHG	-0.8378
Gm07	39111057	39111256	Gmdrm	hypo	CHG	-0.424
Gm07	39113956	39114251	Gmdrm	hypo	CHG	-0.2841
Gm07	39114363	39114670	Gmdrm	hypo	CHG	-0.5509
Gm07	39117048	39117232	Gmdrm	hypo	CHG	-0.5886
Gm07	39118131	39118324	Gmdrm	hypo	CHG	-0.8115
Gm07	39121832	39122464	Gmdrm	hypo	CHG	-0.8154
Gm07	39124448	39124511	Gmdrm	hypo	CHG	-0.1525

Gm07	39130137	39130372	Gmdrm	hypo	CHG	-0.7534
Gm07	39130521	39130553	Gmdrm	hypo	CHG	-0.66
Gm07	39142156	39142227	Gmdrm	hypo	CHG	-0.584
Gm07	39142366	39142735	Gmdrm	hypo	CHG	-0.4764
Gm07	39144331	39144497	Gmdrm	hypo	CHG	-0.49
Gm07	39144747	39144797	Gmdrm	hypo	CHG	-0.028
Gm07	39180052	39180186	Gmdrm	hypo	CHG	-0.3333
Gm07	39182345	39182616	Gmdrm	hypo	CHG	-0.0257
Gm07	39192735	39192937	Gmdrm	hypo	CHG	-0.4717
Gm07	39211270	39211620	Gmdrm	hypo	CHG	-0.5116
Gm07	39236504	39236593	Gmdrm	hypo	CHG	-0.6687
Gm07	39241762	39241876	Gmdrm	hypo	CHG	-0.388
Gm07	39245832	39245999	Gmdrm	hypo	CHG	-0.51
Gm07	39249422	39249645	Gmdrm	hypo	CHG	-0.2275
Gm07	39312201	39312307	Gmdrm	hypo	CHG	-0.7862
Gm07	39319047	39319301	Gmdrm	hypo	CHG	-0.7788
Gm07	39327069	39327164	Gmdrm	hypo	CHG	-0.056
Gm07	39329632	39329849	Gmdrm	hypo	CHG	-0.4931
Gm07	39329977	39330077	Gmdrm	hypo	CHG	-0.635
Gm07	39373708	39373888	Gmdrm	hypo	CHG	-0.3488
Gm07	39393902	39394080	Gmdrm	hypo	CHG	-0.8634
Gm07	39406228	39406343	Gmdrm	hypo	CHG	-0.6816
Gm07	39406500	39406530	Gmdrm	hypo	CHG	-0.2
Gm07	39409978	39410262	Gmdrm	hypo	CHG	-0.76
Gm07	39410435	39410681	Gmdrm	hypo	CHG	-0.8644
Gm07	39446965	39447095	Gmdrm	hypo	CHG	-0.659
Gm07	39456540	39457204	Gmdrm	hypo	CHG	-0.2666
Gm07	39465801	39465954	Gmdrm	hypo	CHG	-0.878
Gm07	39499013	39499102	Gmdrm	hypo	CHG	-0.52
Gm07	39502878	39503209	Gmdrm	hypo	CHG	-0.0343
Gm07	39542459	39542618	Gmdrm	hypo	CHG	-0.671
Gm07	39544879	39545002	Gmdrm	hypo	CHG	-0.815
Gm07	39560935	39561125	Gmdrm	hypo	CHG	-0.8413
Gm07	39580484	39580714	Gmdrm	hypo	CHG	-0.5473
Gm07	39581984	39582182	Gmdrm	hypo	CHG	-0.2062
Gm07	39599747	39599912	Gmdrm	hypo	CHG	-0.6725
Gm07	39604644	39604744	Gmdrm	hypo	CHG	-0.048
Gm07	39609273	39609405	Gmdrm	hypo	CHG	-0.4817
Gm07	39620220	39620706	Gmdrm	hypo	CHG	-0.2487
Gm07	39639331	39639584	Gmdrm	hypo	CHG	-0.32
Gm07	39640382	39640518	Gmdrm	hypo	CHG	-0.3771
Gm07	39645895	39646133	Gmdrm	hypo	CHG	-0.074
Gm07	39657766	39657926	Gmdrm	hypo	CHG	-0.546
Gm07	39658341	39658694	Gmdrm	hypo	CHG	-0.695
Gm07	39671187	39671368	Gmdrm	hypo	CHG	-0.5564
Gm07	39687189	39687386	Gmdrm	hypo	CHG	-0.4627

Gm07	39696025	39696279	Gmdrm	hypo	CHG	-0.215
Gm07	39699115	39699400	Gmdrm	hypo	CHG	-0.245
Gm07	39709349	39709482	Gmdrm	hypo	CHG	-0.3823
Gm07	39715334	39715432	Gmdrm	hypo	CHG	-0.6233
Gm07	39718476	39718584	Gmdrm	hypo	CHG	-0.06
Gm07	39740663	39740765	Gmdrm	hypo	CHG	-0.6933
Gm07	39740885	39741214	Gmdrm	hypo	CHG	-0.7588
Gm07	39762113	39762247	Gmdrm	hypo	CHG	-0.0711
Gm07	39791282	39791316	Gmdrm	hypo	CHG	-0.1733
Gm07	39815221	39815439	Gmdrm	hypo	CHG	-0.036
Gm07	39825444	39825696	Gmdrm	hypo	CHG	-0.467
Gm07	39826061	39826102	Gmdrm	hypo	CHG	-0.3967
Gm07	39838961	39839086	Gmdrm	hypo	CHG	-0.6272
Gm07	39839498	39839796	Gmdrm	hypo	CHG	-0.4874
Gm07	39851166	39851542	Gmdrm	hypo	CHG	-0.6256
Gm07	39853079	39853259	Gmdrm	hypo	CHG	-0.3826
Gm07	39887607	39888600	Gmdrm	hypo	CHG	-0.2233
Gm07	39888956	39889217	Gmdrm	hypo	CHG	-0.064
Gm07	39962972	39963062	Gmdrm	hypo	CHG	-0.2713
Gm07	39966357	39966786	Gmdrm	hypo	CHG	-0.089
Gm07	39999113	39999336	Gmdrm	hypo	CHG	-0.5013
Gm07	40000228	40000556	Gmdrm	hypo	CHG	-0.3875
Gm07	40000701	40000805	Gmdrm	hypo	CHG	-0.43
Gm07	40001094	40001384	Gmdrm	hypo	CHG	-0.5164
Gm07	40003442	40003779	Gmdrm	hypo	CHG	-0.2031
Gm07	40003888	40003959	Gmdrm	hypo	CHG	-0.102
Gm07	40023620	40023697	Gmdrm	hypo	CHG	-0.87
Gm07	40023833	40023985	Gmdrm	hypo	CHG	-0.765
Gm07	40026095	40026213	Gmdrm	hypo	CHG	-0.4517
Gm07	40051971	40052022	Gmdrm	hypo	CHG	-0.4967
Gm07	40062796	40063282	Gmdrm	hypo	CHG	-0.3159
Gm07	40096960	40096979	Gmdrm	hypo	CHG	-0.508
Gm07	40097104	40097217	Gmdrm	hypo	CHG	-0.5117
Gm07	40097490	40097585	Gmdrm	hypo	CHG	-0.3617
Gm07	40099214	40099413	Gmdrm	hypo	CHG	-0.8317
Gm07	40099524	40100359	Gmdrm	hypo	CHG	-0.2727
Gm07	40116872	40117078	Gmdrm	hypo	CHG	-0.4472
Gm07	40118530	40118590	Gmdrm	hypo	CHG	-0.4883
Gm07	40120604	40120729	Gmdrm	hypo	CHG	-0.4075
Gm07	40125208	40125401	Gmdrm	hypo	CHG	-0.3271
Gm07	40173642	40173812	Gmdrm	hypo	CHG	-0.3943
Gm07	40180841	40181027	Gmdrm	hypo	CHG	-0.0557
Gm07	40198754	40199074	Gmdrm	hypo	CHG	-0.5205
Gm07	40204281	40204520	Gmdrm	hypo	CHG	-0.042
Gm07	40207511	40207719	Gmdrm	hypo	CHG	-0.8311
Gm07	40210561	40210829	Gmdrm	hypo	CHG	-0.3325

Gm07	40212297	40212436	Gmdrm	hypo	CHG	-0.0983
Gm07	40225165	40225629	Gmdrm	hypo	CHG	-0.6605
Gm07	40225752	40225997	Gmdrm	hypo	CHG	-0.4509
Gm07	40226297	40226439	Gmdrm	hypo	CHG	-0.335
Gm07	40237363	40237540	Gmdrm	hypo	CHG	-0.3408
Gm07	40259481	40259532	Gmdrm	hypo	CHG	-0.808
Gm07	40271992	40272123	Gmdrm	hypo	CHG	-0.5217
Gm07	40275656	40275858	Gmdrm	hypo	CHG	-0.6
Gm07	40278519	40278647	Gmdrm	hypo	CHG	-0.35
Gm07	40290133	40290271	Gmdrm	hypo	CHG	-0.27
Gm07	40291773	40292158	Gmdrm	hypo	CHG	-0.2557
Gm07	40311942	40312220	Gmdrm	hypo	CHG	-0.7177
Gm07	40313563	40313875	Gmdrm	hypo	CHG	-0.3241
Gm07	40320824	40321259	Gmdrm	hypo	CHG	-0.5575
Gm07	40321450	40321651	Gmdrm	hypo	CHG	-0.85
Gm07	40323462	40323779	Gmdrm	hypo	CHG	-0.4604
Gm07	40326871	40327140	Gmdrm	hypo	CHG	-0.345
Gm07	40332667	40332781	Gmdrm	hypo	CHG	-0.054
Gm07	40336052	40336107	Gmdrm	hypo	CHG	-0.386
Gm07	40337972	40338110	Gmdrm	hypo	CHG	-0.4338
Gm07	40340858	40341157	Gmdrm	hypo	CHG	-0.425
Gm07	40349777	40350072	Gmdrm	hypo	CHG	-0.4621
Gm07	40350210	40350670	Gmdrm	hypo	CHG	-0.2665
Gm07	40355298	40355344	Gmdrm	hypo	CHG	-0.158
Gm07	40393227	40394202	Gmdrm	hypo	CHG	-0.1268
Gm07	40400314	40400755	Gmdrm	hypo	CHG	-0.2694
Gm07	40403125	40403375	Gmdrm	hypo	CHG	-0.91
Gm07	40437160	40437278	Gmdrm	hypo	CHG	-0.0482
Gm07	40449679	40449744	Gmdrm	hypo	CHG	-0.7
Gm07	40450417	40450821	Gmdrm	hypo	CHG	-0.5567
Gm07	40451128	40451305	Gmdrm	hypo	CHG	-0.3288
Gm07	40452003	40452186	Gmdrm	hypo	CHG	-0.3435
Gm07	40452291	40452501	Gmdrm	hypo	CHG	-0.6675
Gm07	40468191	40468386	Gmdrm	hypo	CHG	-0.034
Gm07	40473332	40473595	Gmdrm	hypo	CHG	-0.4111
Gm07	40485452	40485686	Gmdrm	hypo	CHG	-0.056
Gm07	40500333	40500446	Gmdrm	hypo	CHG	-0.124
Gm07	40509605	40509885	Gmdrm	hypo	CHG	-0.5371
Gm07	40536338	40537152	Gmdrm	hypo	CHG	-0.6002
Gm07	40538680	40539005	Gmdrm	hypo	CHG	-0.3058
Gm07	40539358	40539645	Gmdrm	hypo	CHG	-0.2594
Gm07	40539817	40539846	Gmdrm	hypo	CHG	-0.4683
Gm07	40542112	40542156	Gmdrm	hypo	CHG	-0.164
Gm07	40542265	40542385	Gmdrm	hypo	CHG	-0.175
Gm07	40558571	40558636	Gmdrm	hypo	CHG	-0.05
Gm07	40558778	40559244	Gmdrm	hypo	CHG	-0.6114

Gm07	40581621	40581785	Gmdrm	hypo	CHG	-0.8086
Gm07	40595136	40595272	Gmdrm	hypo	CHG	-0.0517
Gm07	40611135	40611265	Gmdrm	hypo	CHG	-0.3943
Gm07	40611558	40611647	Gmdrm	hypo	CHG	-0.3922
Gm07	40612104	40612128	Gmdrm	hypo	CHG	-0.6
Gm07	40627604	40627747	Gmdrm	hypo	CHG	-0.8418
Gm07	40628485	40628942	Gmdrm	hypo	CHG	-0.4727
Gm07	40652404	40652505	Gmdrm	hypo	CHG	-0.584
Gm07	40652613	40652855	Gmdrm	hypo	CHG	-0.355
Gm07	40661431	40661538	Gmdrm	hypo	CHG	-0.3109
Gm07	40672883	40673213	Gmdrm	hypo	CHG	-0.035
Gm07	40701448	40701643	Gmdrm	hypo	CHG	-0.15
Gm07	40701751	40701856	Gmdrm	hypo	CHG	-0.2767
Gm07	40709199	40709257	Gmdrm	hypo	CHG	-0.24
Gm07	40711150	40711210	Gmdrm	hypo	CHG	-0.424
Gm07	40721749	40722014	Gmdrm	hypo	CHG	-0.6436
Gm07	40734125	40734213	Gmdrm	hypo	CHG	-0.0567
Gm07	40745854	40746167	Gmdrm	hypo	CHG	-0.1343
Gm07	40750991	40751055	Gmdrm	hypo	CHG	-0.4151
Gm07	40765343	40765565	Gmdrm	hypo	CHG	-0.6434
Gm07	40795153	40795505	Gmdrm	hypo	CHG	-0.6331
Gm07	40795621	40796123	Gmdrm	hypo	CHG	-0.4317
Gm07	40798875	40799267	Gmdrm	hypo	CHG	-0.1688
Gm07	40799747	40800159	Gmdrm	hypo	CHG	-0.3884
Gm07	40803416	40803607	Gmdrm	hypo	CHG	-0.665
Gm07	40809907	40809967	Gmdrm	hypo	CHG	-0.865
Gm07	40811528	40811836	Gmdrm	hypo	CHG	-0.2504
Gm07	40814449	40814654	Gmdrm	hypo	CHG	-0.748
Gm07	40814774	40814888	Gmdrm	hypo	CHG	-0.31
Gm07	40815094	40815347	Gmdrm	hypo	CHG	-0.4253
Gm07	40815775	40816268	Gmdrm	hypo	CHG	-0.3484
Gm07	40827656	40827849	Gmdrm	hypo	CHG	-0.0783
Gm07	40828007	40828565	Gmdrm	hypo	CHG	-0.1522
Gm07	40835158	40835522	Gmdrm	hypo	CHG	-0.3809
Gm07	40857188	40857477	Gmdrm	hypo	CHG	-0.0483
Gm07	40866866	40867200	Gmdrm	hypo	CHG	-0.226
Gm07	40875696	40875872	Gmdrm	hypo	CHG	-0.044
Gm07	40903481	40904044	Gmdrm	hypo	CHG	-0.1743
Gm07	40904918	40905063	Gmdrm	hypo	CHG	-0.6225
Gm07	40987242	40987333	Gmdrm	hypo	CHG	-0.0486
Gm07	40990082	40990171	Gmdrm	hypo	CHG	-0.5584
Gm07	40992770	40993100	Gmdrm	hypo	CHG	-0.4137
Gm07	41015910	41016099	Gmdrm	hypo	CHG	-0.055
Gm07	41026539	41026852	Gmdrm	hypo	CHG	-0.0975
Gm07	41033059	41033169	Gmdrm	hypo	CHG	-0.4334
Gm07	41039750	41040183	Gmdrm	hypo	CHG	-0.4939

Gm07	41066299	41066439	Gmdrm	hypo	CHG	-0.31
Gm07	41066588	41066650	Gmdrm	hypo	CHG	-0.1287
Gm07	41066972	41067011	Gmdrm	hypo	CHG	-0.3643
Gm07	41083243	41083495	Gmdrm	hypo	CHG	-0.2578
Gm07	41089589	41089872	Gmdrm	hypo	CHG	-0.863
Gm07	41129412	41129658	Gmdrm	hypo	CHG	-0.3557
Gm07	41130174	41130218	Gmdrm	hypo	CHG	-0.7262
Gm07	41140551	41140823	Gmdrm	hypo	CHG	-0.754
Gm07	41143296	41143739	Gmdrm	hypo	CHG	-0.6391
Gm07	41145065	41145201	Gmdrm	hypo	CHG	-0.41
Gm07	41145431	41145615	Gmdrm	hypo	CHG	-0.195
Gm07	41147179	41147347	Gmdrm	hypo	CHG	-0.4413
Gm07	41155049	41155891	Gmdrm	hypo	CHG	-0.5971
Gm07	41158008	41158297	Gmdrm	hypo	CHG	-0.6231
Gm07	41158915	41159080	Gmdrm	hypo	CHG	-0.8507
Gm07	41175781	41175883	Gmdrm	hypo	CHG	-0.246
Gm07	41195232	41195475	Gmdrm	hypo	CHG	-0.4155
Gm07	41195661	41196105	Gmdrm	hypo	CHG	-0.5859
Gm07	41222565	41222793	Gmdrm	hypo	CHG	-0.51
Gm07	41225173	41225296	Gmdrm	hypo	CHG	-0.6417
Gm07	41225399	41225484	Gmdrm	hypo	CHG	-0.498
Gm07	41225641	41225840	Gmdrm	hypo	CHG	-0.65
Gm07	41230732	41230909	Gmdrm	hypo	CHG	-0.5733
Gm07	41244101	41244346	Gmdrm	hypo	CHG	-0.5717
Gm07	41244450	41244551	Gmdrm	hypo	CHG	-0.775
Gm07	41251809	41252760	Gmdrm	hypo	CHG	-0.1907
Gm07	41256415	41256622	Gmdrm	hypo	CHG	-0.3433
Gm07	41257463	41257726	Gmdrm	hypo	CHG	-0.6861
Gm07	41273391	41273652	Gmdrm	hypo	CHG	-0.443
Gm07	41282077	41282270	Gmdrm	hypo	CHG	-0.2844
Gm07	41285225	41285706	Gmdrm	hypo	CHG	-0.7241
Gm07	41299219	41299311	Gmdrm	hypo	CHG	-0.3175
Gm07	41299890	41300057	Gmdrm	hypo	CHG	-0.5558
Gm07	41319801	41320126	Gmdrm	hypo	CHG	-0.0367
Gm07	41350429	41350643	Gmdrm	hypo	CHG	-0.8289
Gm07	41364028	41364088	Gmdrm	hypo	CHG	-0.5583
Gm07	41366339	41366636	Gmdrm	hypo	CHG	-0.681
Gm07	41367282	41367422	Gmdrm	hypo	CHG	-0.6053
Gm07	41370023	41370126	Gmdrm	hypo	CHG	-0.1211
Gm07	41407321	41407758	Gmdrm	hypo	CHG	-0.1397
Gm07	41407870	41407972	Gmdrm	hypo	CHG	-0.335
Gm07	41419683	41419725	Gmdrm	hypo	CHG	-0.89
Gm07	41454478	41454623	Gmdrm	hypo	CHG	-0.6275
Gm07	41458319	41458393	Gmdrm	hypo	CHG	-0.1357
Gm07	41458666	41459412	Gmdrm	hypo	CHG	-0.3475
Gm07	41460039	41460094	Gmdrm	hypo	CHG	-0.1938

Gm07	41462653	41462695	Gmdrm	hypo	CHG	-0.43
Gm07	41472237	41472413	Gmdrm	hypo	CHG	-0.0944
Gm07	41478790	41478825	Gmdrm	hypo	CHG	-0.292
Gm07	41505607	41505659	Gmdrm	hypo	CHG	-0.23
Gm07	41509374	41509414	Gmdrm	hypo	CHG	-0.2717
Gm07	41519854	41520041	Gmdrm	hypo	CHG	-0.3367
Gm07	41525769	41525950	Gmdrm	hypo	CHG	-0.3678
Gm07	41541882	41541942	Gmdrm	hypo	CHG	-0.286
Gm07	41542070	41542169	Gmdrm	hypo	CHG	-0.3817
Gm07	41563891	41564382	Gmdrm	hypo	CHG	-0.2334
Gm07	41564737	41564809	Gmdrm	hypo	CHG	-0.2833
Gm07	41570343	41570415	Gmdrm	hypo	CHG	-0.2733
Gm07	41575220	41575551	Gmdrm	hypo	CHG	-0.0634
Gm07	41581959	41582122	Gmdrm	hypo	CHG	-0.144
Gm07	41596852	41597032	Gmdrm	hypo	CHG	-0.1672
Gm07	41605953	41606527	Gmdrm	hypo	CHG	-0.3767
Gm07	41615433	41615604	Gmdrm	hypo	CHG	-0.2181
Gm07	41618837	41619078	Gmdrm	hypo	CHG	-0.0383
Gm07	41625854	41626061	Gmdrm	hypo	CHG	-0.3472
Gm07	41640595	41641186	Gmdrm	hypo	CHG	-0.2596
Gm07	41643483	41643686	Gmdrm	hypo	CHG	-0.039
Gm07	41664036	41664573	Gmdrm	hypo	CHG	-0.2511
Gm07	41680737	41681007	Gmdrm	hypo	CHG	-0.5756
Gm07	41690865	41691128	Gmdrm	hypo	CHG	-0.7033
Gm07	41691393	41692229	Gmdrm	hypo	CHG	-0.6388
Gm07	41692626	41692716	Gmdrm	hypo	CHG	-0.6378
Gm07	41705777	41705946	Gmdrm	hypo	CHG	-0.7587
Gm07	41706113	41706170	Gmdrm	hypo	CHG	-0.6067
Gm07	41707909	41708106	Gmdrm	hypo	CHG	-0.37
Gm07	41728983	41729167	Gmdrm	hypo	CHG	-0.1211
Gm07	41730325	41731128	Gmdrm	hypo	CHG	-0.0862
Gm07	41733975	41734117	Gmdrm	hypo	CHG	-0.07
Gm07	41739080	41739344	Gmdrm	hypo	CHG	-0.3563
Gm07	41745995	41746106	Gmdrm	hypo	CHG	-0.0533
Gm07	41759178	41759995	Gmdrm	hypo	CHG	-0.302
Gm07	41760109	41760513	Gmdrm	hypo	CHG	-0.3506
Gm07	41760631	41761490	Gmdrm	hypo	CHG	-0.3768
Gm07	41768889	41769001	Gmdrm	hypo	CHG	-0.0586
Gm07	41772894	41773360	Gmdrm	hypo	CHG	-0.0457
Gm07	41815154	41815217	Gmdrm	hypo	CHG	-0.735
Gm07	41826027	41826190	Gmdrm	hypo	CHG	-0.1309
Gm07	41831426	41831562	Gmdrm	hypo	CHG	-0.066
Gm07	41854830	41854981	Gmdrm	hypo	CHG	-0.9036
Gm07	41855282	41855468	Gmdrm	hypo	CHG	-0.92
Gm07	41861911	41862645	Gmdrm	hypo	CHG	-0.0388
Gm07	41864669	41864735	Gmdrm	hypo	CHG	-0.1938

Gm07	41868356	41868589	Gmdrm	hypo	CHG	-0.0313
Gm07	41886718	41886772	Gmdrm	hypo	CHG	-0.6233
Gm07	41905234	41905526	Gmdrm	hypo	CHG	-0.0438
Gm07	41934272	41935269	Gmdrm	hypo	CHG	-0.3064
Gm07	41935273	41936267	Gmdrm	hypo	CHG	-0.2821
Gm07	41946754	41946877	Gmdrm	hypo	CHG	-0.0734
Gm07	41947397	41948294	Gmdrm	hypo	CHG	-0.3292
Gm07	41978604	41978662	Gmdrm	hypo	CHG	-0.668
Gm07	41999248	41999490	Gmdrm	hypo	CHG	-0.1357
Gm07	41999593	41999672	Gmdrm	hypo	CHG	-0.6338
Gm07	42002333	42003280	Gmdrm	hypo	CHG	-0.2017
Gm07	42005092	42005316	Gmdrm	hypo	CHG	-0.4814
Gm07	42023915	42023998	Gmdrm	hypo	CHG	-0.1262
Gm07	42025589	42025938	Gmdrm	hypo	CHG	-0.5022
Gm07	42057347	42057379	Gmdrm	hypo	CHG	-0.08
Gm07	42065496	42065707	Gmdrm	hypo	CHG	-0.3593
Gm07	42065914	42066395	Gmdrm	hypo	CHG	-0.2005
Gm07	42085630	42085897	Gmdrm	hypo	CHG	-0.045
Gm07	42106042	42106201	Gmdrm	hypo	CHG	-0.044
Gm07	42136294	42136605	Gmdrm	hypo	CHG	-0.8691
Gm07	42136905	42137031	Gmdrm	hypo	CHG	-0.7467
Gm07	42155382	42155570	Gmdrm	hypo	CHG	-0.04
Gm07	42159300	42159659	Gmdrm	hypo	CHG	-0.5009
Gm07	42164778	42164995	Gmdrm	hypo	CHG	-0.4514
Gm07	42172668	42172865	Gmdrm	hypo	CHG	-0.08
Gm07	42173189	42173253	Gmdrm	hypo	CHG	-0.766
Gm07	42198567	42198962	Gmdrm	hypo	CHG	-0.029
Gm07	42202524	42202712	Gmdrm	hypo	CHG	-0.0717
Gm07	42219222	42219548	Gmdrm	hypo	CHG	-0.027
Gm07	42219854	42220438	Gmdrm	hypo	CHG	-0.0278
Gm07	42228522	42228711	Gmdrm	hypo	CHG	-0.6933
Gm07	42228986	42229199	Gmdrm	hypo	CHG	-0.675
Gm07	42243476	42243689	Gmdrm	hypo	CHG	-0.8
Gm07	42266443	42266544	Gmdrm	hypo	CHG	-0.2
Gm07	42300284	42300512	Gmdrm	hypo	CHG	-0.06
Gm07	42316696	42316735	Gmdrm	hypo	CHG	-0.71
Gm07	42317399	42317582	Gmdrm	hypo	CHG	-0.3788
Gm07	42324961	42325173	Gmdrm	hypo	CHG	-0.6129
Gm07	42325292	42325383	Gmdrm	hypo	CHG	-0.8211
Gm07	42330825	42330957	Gmdrm	hypo	CHG	-0.39
Gm07	42342042	42342238	Gmdrm	hypo	CHG	-0.076
Gm07	42378739	42379015	Gmdrm	hypo	CHG	-0.5591
Gm07	42392246	42392466	Gmdrm	hypo	CHG	-0.5688
Gm07	42401267	42401606	Gmdrm	hypo	CHG	-0.4516
Gm07	42448652	42448741	Gmdrm	hypo	CHG	-0.6214
Gm07	42448901	42449496	Gmdrm	hypo	CHG	-0.1508

Gm07	42463230	42463405	Gmdrm	hypo	CHG	-0.0471
Gm07	42463745	42463921	Gmdrm	hypo	CHG	-0.038
Gm07	42471154	42471517	Gmdrm	hypo	CHG	-0.0609
Gm07	42477340	42477529	Gmdrm	hypo	CHG	-0.0443
Gm07	42483474	42483574	Gmdrm	hypo	CHG	-0.045
Gm07	42486622	42486701	Gmdrm	hypo	CHG	-0.8314
Gm07	42488441	42488598	Gmdrm	hypo	CHG	-0.7723
Gm07	42511168	42511320	Gmdrm	hypo	CHG	-0.0567
Gm07	42527101	42527314	Gmdrm	hypo	CHG	-0.1775
Gm07	42549986	42550151	Gmdrm	hypo	CHG	-0.32
Gm07	42550326	42550844	Gmdrm	hypo	CHG	-0.2653
Gm07	42550979	42551252	Gmdrm	hypo	CHG	-0.114
Gm07	42555263	42555409	Gmdrm	hypo	CHG	-0.036
Gm07	42559326	42559393	Gmdrm	hypo	CHG	-0.071
Gm07	42579108	42579319	Gmdrm	hypo	CHG	-0.5072
Gm07	42582408	42582652	Gmdrm	hypo	CHG	-0.058
Gm07	42596589	42596675	Gmdrm	hypo	CHG	-0.705
Gm07	42636895	42637347	Gmdrm	hypo	CHG	-0.8752
Gm07	42648316	42648970	Gmdrm	hypo	CHG	-0.7504
Gm07	42651246	42651314	Gmdrm	hypo	CHG	-0.494
Gm07	42656096	42656166	Gmdrm	hypo	CHG	-0.05
Gm07	42688653	42688944	Gmdrm	hypo	CHG	-0.1975
Gm07	42709032	42709414	Gmdrm	hypo	CHG	-0.0292
Gm07	42716993	42717565	Gmdrm	hypo	CHG	-0.1922
Gm07	42717830	42717968	Gmdrm	hypo	CHG	-0.6928
Gm07	42718076	42718157	Gmdrm	hypo	CHG	-0.797
Gm07	42735393	42735652	Gmdrm	hypo	CHG	-0.0509
Gm07	42738560	42738693	Gmdrm	hypo	CHG	-0.8438
Gm07	42738888	42739112	Gmdrm	hypo	CHG	-0.8942
Gm07	42743104	42743508	Gmdrm	hypo	CHG	-0.4212
Gm07	42773219	42773284	Gmdrm	hypo	CHG	-0.4249
Gm07	42773537	42773663	Gmdrm	hypo	CHG	-0.796
Gm07	42775900	42776037	Gmdrm	hypo	CHG	-0.455
Gm07	42795046	42795387	Gmdrm	hypo	CHG	-0.0283
Gm07	42813609	42813719	Gmdrm	hypo	CHG	-0.684
Gm07	42834526	42834933	Gmdrm	hypo	CHG	-0.7725
Gm07	42835152	42835447	Gmdrm	hypo	CHG	-0.1691
Gm07	42873800	42873863	Gmdrm	hypo	CHG	-0.5617
Gm07	42891671	42891931	Gmdrm	hypo	CHG	-0.03
Gm07	42899042	42899223	Gmdrm	hypo	CHG	-0.7867
Gm07	42915773	42915863	Gmdrm	hypo	CHG	-0.038
Gm07	42921096	42921108	Gmdrm	hypo	CHG	-0.08
Gm07	42931825	42931875	Gmdrm	hypo	CHG	-0.046
Gm07	42934960	42935123	Gmdrm	hypo	CHG	-0.7684
Gm07	42954828	42954999	Gmdrm	hypo	CHG	-0.52
Gm07	42955249	42955684	Gmdrm	hypo	CHG	-0.64

Gm07	42956100	42956612	Gmdrm	hypo	CHG	-0.0358
Gm07	42958450	42958855	Gmdrm	hypo	CHG	-0.0261
Gm07	42966270	42966442	Gmdrm	hypo	CHG	-0.7811
Gm07	42967181	42967503	Gmdrm	hypo	CHG	-0.352
Gm07	42981993	42982143	Gmdrm	hypo	CHG	-0.4687
Gm07	42989946	42990345	Gmdrm	hypo	CHG	-0.0737
Gm07	43050151	43050318	Gmdrm	hypo	CHG	-0.2528
Gm07	43056539	43056779	Gmdrm	hypo	CHG	-0.0367
Gm07	43073953	43074200	Gmdrm	hypo	CHG	-0.059
Gm07	43077651	43077818	Gmdrm	hypo	CHG	-0.025
Gm07	43083239	43084224	Gmdrm	hypo	CHG	-0.2637
Gm07	43084606	43084689	Gmdrm	hypo	CHG	-0.58
Gm07	43088236	43088561	Gmdrm	hypo	CHG	-0.038
Gm07	43105093	43105554	Gmdrm	hypo	CHG	-0.03
Gm07	43105680	43105702	Gmdrm	hypo	CHG	-0.03
Gm07	43124980	43125108	Gmdrm	hypo	CHG	-0.5485
Gm07	43125394	43125813	Gmdrm	hypo	CHG	-0.615
Gm07	43132839	43132948	Gmdrm	hypo	CHG	-0.8584
Gm07	43133242	43133541	Gmdrm	hypo	CHG	-0.4781
Gm07	43152955	43153167	Gmdrm	hypo	CHG	-0.8359
Gm07	43153439	43153531	Gmdrm	hypo	CHG	-0.735
Gm07	43153990	43154214	Gmdrm	hypo	CHG	-0.6757
Gm07	43154328	43154439	Gmdrm	hypo	CHG	-0.6871
Gm07	43158729	43158950	Gmdrm	hypo	CHG	-0.6425
Gm07	43159161	43159246	Gmdrm	hypo	CHG	-0.668
Gm07	43185394	43185591	Gmdrm	hypo	CHG	-0.3425
Gm07	43185788	43186100	Gmdrm	hypo	CHG	-0.3928
Gm07	43195634	43195728	Gmdrm	hypo	CHG	-0.0614
Gm07	43259195	43259507	Gmdrm	hypo	CHG	-0.8757
Gm07	43282419	43282626	Gmdrm	hypo	CHG	-0.0944
Gm07	43332297	43332524	Gmdrm	hypo	CHG	-0.0517
Gm07	43350687	43350755	Gmdrm	hypo	CHG	-0.05
Gm07	43380433	43380545	Gmdrm	hypo	CHG	-0.5275
Gm07	43382620	43383100	Gmdrm	hypo	CHG	-0.3722
Gm07	43395775	43395930	Gmdrm	hypo	CHG	-0.045
Gm07	43406469	43406926	Gmdrm	hypo	CHG	-0.0518
Gm07	43415002	43415179	Gmdrm	hypo	CHG	-0.56
Gm07	43417060	43417546	Gmdrm	hypo	CHG	-0.625
Gm07	43425183	43425650	Gmdrm	hypo	CHG	-0.6852
Gm07	43453781	43453893	Gmdrm	hypo	CHG	-0.6167
Gm07	43457764	43457897	Gmdrm	hypo	CHG	-0.6186
Gm07	43479302	43479466	Gmdrm	hypo	CHG	-0.038
Gm07	43511121	43511611	Gmdrm	hypo	CHG	-0.03
Gm07	43516425	43516703	Gmdrm	hypo	CHG	-0.0484
Gm07	43539958	43540146	Gmdrm	hypo	CHG	-0.044
Gm07	43558015	43558425	Gmdrm	hypo	CHG	-0.6145

Gm07	43592841	43592945	Gmdrm	hypo	CHG	-0.8634
Gm07	43593049	43593222	Gmdrm	hypo	CHG	-0.8111
Gm07	43622115	43622200	Gmdrm	hypo	CHG	-0.068
Gm07	43655304	43655461	Gmdrm	hypo	CHG	-0.1086
Gm07	43660089	43660234	Gmdrm	hypo	CHG	-0.6067
Gm07	43660356	43660524	Gmdrm	hypo	CHG	-0.5183
Gm07	43674656	43674886	Gmdrm	hypo	CHG	-0.0458
Gm07	43700051	43700254	Gmdrm	hypo	CHG	-0.8607
Gm07	43700417	43700535	Gmdrm	hypo	CHG	-0.7843
Gm07	43718012	43718301	Gmdrm	hypo	CHG	-0.0564
Gm07	43763555	43763666	Gmdrm	hypo	CHG	-0.8316
Gm07	43763849	43764471	Gmdrm	hypo	CHG	-0.74
Gm07	43795343	43795830	Gmdrm	hypo	CHG	-0.493
Gm07	43796221	43796254	Gmdrm	hypo	CHG	-0.5143
Gm07	43801036	43801504	Gmdrm	hypo	CHG	-0.7684
Gm07	43807743	43807780	Gmdrm	hypo	CHG	-0.8343
Gm07	43821982	43822110	Gmdrm	hypo	CHG	-0.048
Gm07	43822889	43823387	Gmdrm	hypo	CHG	-0.0281
Gm07	43831457	43831659	Gmdrm	hypo	CHG	-0.1011
Gm07	43845051	43845478	Gmdrm	hypo	CHG	-0.2839
Gm07	43862009	43862253	Gmdrm	hypo	CHG	-0.6294
Gm07	43870685	43870931	Gmdrm	hypo	CHG	-0.9153
Gm07	43871228	43871260	Gmdrm	hypo	CHG	-0.8617
Gm07	43871826	43872232	Gmdrm	hypo	CHG	-0.836
Gm07	43892617	43892793	Gmdrm	hypo	CHG	-0.5485
Gm07	43909789	43909940	Gmdrm	hypo	CHG	-0.2722
Gm07	43917789	43918048	Gmdrm	hypo	CHG	-0.0556
Gm07	43939912	43940179	Gmdrm	hypo	CHG	-0.0625
Gm07	43950313	43951005	Gmdrm	hypo	CHG	-0.8994
Gm07	43951143	43951215	Gmdrm	hypo	CHG	-0.7777
Gm07	43951322	43951426	Gmdrm	hypo	CHG	-0.8917
Gm07	43993080	43993248	Gmdrm	hypo	CHG	-0.0254
Gm07	44012690	44012887	Gmdrm	hypo	CHG	-0.06
Gm07	44030150	44030302	Gmdrm	hypo	CHG	-0.032
Gm07	44037323	44037723	Gmdrm	hypo	CHG	-0.0443
Gm07	44047271	44047466	Gmdrm	hypo	CHG	-0.5021
Gm07	44068177	44068413	Gmdrm	hypo	CHG	-0.041
Gm07	44076087	44076273	Gmdrm	hypo	CHG	-0.2636
Gm07	44107227	44107474	Gmdrm	hypo	CHG	-0.052
Gm07	44143248	44143366	Gmdrm	hypo	CHG	-0.3017
Gm07	44154579	44154754	Gmdrm	hypo	CHG	-0.667
Gm07	44155333	44155407	Gmdrm	hypo	CHG	-0.815
Gm07	44163576	44163915	Gmdrm	hypo	CHG	-0.0217
Gm07	44210330	44210378	Gmdrm	hypo	CHG	-0.414
Gm07	44216350	44216432	Gmdrm	hypo	CHG	-0.7758
Gm07	44222315	44222700	Gmdrm	hypo	CHG	-0.3313

Gm07	44222803	44222958	Gmdrm	hypo	CHG	-0.8316
Gm07	44225372	44225812	Gmdrm	hypo	CHG	-0.4642
Gm07	44225935	44226179	Gmdrm	hypo	CHG	-0.3019
Gm07	44228472	44228915	Gmdrm	hypo	CHG	-0.4396
Gm07	44229021	44229375	Gmdrm	hypo	CHG	-0.2888
Gm07	44248930	44249150	Gmdrm	hypo	CHG	-0.0433
Gm07	44268427	44268688	Gmdrm	hypo	CHG	-0.3484
Gm07	44268792	44269541	Gmdrm	hypo	CHG	-0.3039
Gm07	44279737	44280063	Gmdrm	hypo	CHG	-0.8811
Gm07	44280409	44280501	Gmdrm	hypo	CHG	-0.295
Gm07	44335532	44335591	Gmdrm	hypo	CHG	-0.036
Gm07	44365769	44365912	Gmdrm	hypo	CHG	-0.1753
Gm07	44367992	44368314	Gmdrm	hypo	CHG	-0.0327
Gm07	44416243	44416444	Gmdrm	hypo	CHG	-0.6812
Gm07	44424101	44424221	Gmdrm	hypo	CHG	-0.2637
Gm07	44424417	44424503	Gmdrm	hypo	CHG	-0.6029
Gm07	44440017	44440359	Gmdrm	hypo	CHG	-0.6085
Gm07	44454134	44455121	Gmdrm	hypo	CHG	-0.0772
Gm07	44457599	44457888	Gmdrm	hypo	CHG	-0.7836
Gm07	44458126	44458191	Gmdrm	hypo	CHG	-0.9225
Gm07	44458355	44458593	Gmdrm	hypo	CHG	-0.8436
Gm07	44479194	44479302	Gmdrm	hypo	CHG	-0.0912
Gm07	44480798	44481113	Gmdrm	hypo	CHG	-0.428
Gm07	44481320	44481640	Gmdrm	hypo	CHG	-0.2037
Gm07	44488538	44488781	Gmdrm	hypo	CHG	-0.7647
Gm07	44489181	44489255	Gmdrm	hypo	CHG	-0.476
Gm07	44489461	44489515	Gmdrm	hypo	CHG	-0.8467
Gm07	44489627	44489692	Gmdrm	hypo	CHG	-0.8129
Gm07	44492748	44492931	Gmdrm	hypo	CHG	-0.05
Gm07	44495526	44495639	Gmdrm	hypo	CHG	-0.16
Gm07	44505323	44505533	Gmdrm	hypo	CHG	-0.0883
Gm07	44508512	44508788	Gmdrm	hypo	CHG	-0.89
Gm07	44513093	44513753	Gmdrm	hypo	CHG	-0.0406
Gm07	44514627	44514761	Gmdrm	hypo	CHG	-0.0733
Gm07	44564559	44564764	Gmdrm	hypo	CHG	-0.7368
Gm07	44567387	44567633	Gmdrm	hypo	CHG	-0.0455
Gm07	44574455	44574481	Gmdrm	hypo	CHG	-0.05
Gm07	44587322	44587559	Gmdrm	hypo	CHG	-0.0414
Gm07	44621934	44622741	Gmdrm	hypo	CHG	-0.1097
Gm07	44667558	44668364	Gmdrm	hypo	CHG	-0.0406
Gm07	44670142	44670236	Gmdrm	hypo	CHG	-0.07
Gm07	44693411	44693617	Gmdrm	hypo	CHG	-0.75
Gm07	44699253	44699629	Gmdrm	hypo	CHG	-0.7294
Gm07	44699892	44700025	Gmdrm	hypo	CHG	-0.662
Gm07	44712553	44712940	Gmdrm	hypo	CHG	-0.0349
Gm07	44721674	44721961	Gmdrm	hypo	CHG	-0.5809

Gm07	44727055	44727226	Gmdrm	hypo	CHG	-0.6373
Gm07	44728593	44729035	Gmdrm	hypo	CHG	-0.1984
Gm07	44732196	44732611	Gmdrm	hypo	CHG	-0.4927
Gm07	44732792	44733321	Gmdrm	hypo	CHG	-0.88
Gm07	44735573	44736121	Gmdrm	hypo	CHG	-0.5719
Gm07	44751094	44751116	Gmdrm	hypo	CHG	-0.0557
Gm07	44773332	44773537	Gmdrm	hypo	CHG	-0.0343
Gm07	44780765	44780948	Gmdrm	hypo	CHG	-0.074
Gm07	44794416	44794525	Gmdrm	hypo	CHG	-0.4138
Gm07	44813213	44813266	Gmdrm	hypo	CHG	-0.2983
Gm07	44813453	44813579	Gmdrm	hypo	CHG	-0.7116
Gm07	44817741	44817817	Gmdrm	hypo	CHG	-0.035
Gm07	44820254	44820365	Gmdrm	hypo	CHG	-0.046
Gm07	44821909	44822021	Gmdrm	hypo	CHG	-0.04
Gm07	44841493	44841785	Gmdrm	hypo	CHG	-0.436
Gm07	44846918	44847158	Gmdrm	hypo	CHG	-0.3509
Gm07	44863939	44864115	Gmdrm	hypo	CHG	-0.3887
Gm07	44866627	44866959	Gmdrm	hypo	CHG	-0.3818
Gm07	44868151	44868269	Gmdrm	hypo	CHG	-0.026
Gm07	44868734	44868985	Gmdrm	hypo	CHG	-0.0314
Gm07	44887141	44887358	Gmdrm	hypo	CHG	-0.304
Gm07	44888955	44889344	Gmdrm	hypo	CHG	-0.201
Gm07	44895605	44895875	Gmdrm	hypo	CHG	-0.2443
Gm07	44895978	44896209	Gmdrm	hypo	CHG	-0.6377
Gm07	44896320	44896662	Gmdrm	hypo	CHG	-0.3364
Gm07	44900687	44900807	Gmdrm	hypo	CHG	-0.355
Gm07	44907679	44907803	Gmdrm	hypo	CHG	-0.066
Gm07	44921850	44922168	Gmdrm	hypo	CHG	-0.2925
Gm07_scaffo	18693	18878	Gmdrm	hypo	CHG	-0.582
Gm07_scaffo	20349	20476	Gmdrm	hypo	CHG	-0.14
Gm07_scaffo	75895	76307	Gmdrm	hypo	CHG	-0.592
Gm07_scaffo	92449	92574	Gmdrm	hypo	CHG	-0.3567
Gm07_scaffo	108496	108896	Gmdrm	hypo	CHG	-0.56
Gm08	12513	12888	Gmdrm	hypo	CHG	-0.621
Gm08	42419	42560	Gmdrm	hypo	CHG	-0.5612
Gm08	108537	108652	Gmdrm	hypo	CHG	-0.4367
Gm08	158815	158969	Gmdrm	hypo	CHG	-0.5992
Gm08	161388	161444	Gmdrm	hypo	CHG	-0.7
Gm08	178995	179087	Gmdrm	hypo	CHG	-0.036
Gm08	204304	204385	Gmdrm	hypo	CHG	-0.574
Gm08	204819	204911	Gmdrm	hypo	CHG	-0.33
Gm08	205039	205325	Gmdrm	hypo	CHG	-0.05
Gm08	223868	224409	Gmdrm	hypo	CHG	-0.8626
Gm08	278306	278434	Gmdrm	hypo	CHG	-0.3657
Gm08	325063	325257	Gmdrm	hypo	CHG	-0.0417
Gm08	341479	341803	Gmdrm	hypo	CHG	-0.4677

Gm08	364596	364914	Gmdrm	hypo	CHG	-0.5425
Gm08	393143	393582	Gmdrm	hypo	CHG	-0.3144
Gm08	411287	411332	Gmdrm	hypo	CHG	-0.556
Gm08	412881	413066	Gmdrm	hypo	CHG	-0.2333
Gm08	430865	430990	Gmdrm	hypo	CHG	-0.299
Gm08	467410	467560	Gmdrm	hypo	CHG	-0.052
Gm08	486774	487007	Gmdrm	hypo	CHG	-0.4264
Gm08	503616	503893	Gmdrm	hypo	CHG	-0.062
Gm08	554247	554402	Gmdrm	hypo	CHG	-0.0316
Gm08	554554	554677	Gmdrm	hypo	CHG	-0.5584
Gm08	556843	557175	Gmdrm	hypo	CHG	-0.031
Gm08	568283	568456	Gmdrm	hypo	CHG	-0.035
Gm08	603230	603248	Gmdrm	hypo	CHG	-0.465
Gm08	622724	622964	Gmdrm	hypo	CHG	-0.0414
Gm08	633108	633332	Gmdrm	hypo	CHG	-0.0534
Gm08	655358	655561	Gmdrm	hypo	CHG	-0.4321
Gm08	655663	655941	Gmdrm	hypo	CHG	-0.7543
Gm08	668793	668924	Gmdrm	hypo	CHG	-0.074
Gm08	696806	696958	Gmdrm	hypo	CHG	-0.1383
Gm08	705623	705716	Gmdrm	hypo	CHG	-0.814
Gm08	717581	718328	Gmdrm	hypo	CHG	-0.5789
Gm08	748744	748893	Gmdrm	hypo	CHG	-0.0543
Gm08	776467	776686	Gmdrm	hypo	CHG	-0.0364
Gm08	778410	778492	Gmdrm	hypo	CHG	-0.8633
Gm08	779070	779191	Gmdrm	hypo	CHG	-0.7689
Gm08	795395	795751	Gmdrm	hypo	CHG	-0.5023
Gm08	807431	807593	Gmdrm	hypo	CHG	-0.0583
Gm08	812818	812946	Gmdrm	hypo	CHG	-0.04
Gm08	824601	825031	Gmdrm	hypo	CHG	-0.1086
Gm08	831011	831111	Gmdrm	hypo	CHG	-0.4367
Gm08	837411	837469	Gmdrm	hypo	CHG	-0.7184
Gm08	842949	843050	Gmdrm	hypo	CHG	-0.7343
Gm08	846814	846890	Gmdrm	hypo	CHG	-0.8513
Gm08	871684	872035	Gmdrm	hypo	CHG	-0.0516
Gm08	872167	872213	Gmdrm	hypo	CHG	-0.116
Gm08	878997	879164	Gmdrm	hypo	CHG	-0.0825
Gm08	879418	879973	Gmdrm	hypo	CHG	-0.5739
Gm08	881209	881367	Gmdrm	hypo	CHG	-0.678
Gm08	895815	896025	Gmdrm	hypo	CHG	-0.042
Gm08	901246	901416	Gmdrm	hypo	CHG	-0.0225
Gm08	909562	910007	Gmdrm	hypo	CHG	-0.2307
Gm08	914247	914369	Gmdrm	hypo	CHG	-0.9583
Gm08	914554	914631	Gmdrm	hypo	CHG	-0.1125
Gm08	926641	926871	Gmdrm	hypo	CHG	-0.8031
Gm08	939647	939885	Gmdrm	hypo	CHG	-0.0333
Gm08	945868	946055	Gmdrm	hypo	CHG	-0.04

Gm08	946998	947131	Gmdrm	hypo	CHG	-0.4978
Gm08	1013456	1013705	Gmdrm	hypo	CHG	-0.6994
Gm08	1013846	1014152	Gmdrm	hypo	CHG	-0.8964
Gm08	1046016	1046251	Gmdrm	hypo	CHG	-0.855
Gm08	1053431	1053766	Gmdrm	hypo	CHG	-0.4884
Gm08	1054314	1054772	Gmdrm	hypo	CHG	-0.4153
Gm08	1061739	1061769	Gmdrm	hypo	CHG	-0.77
Gm08	1082620	1083074	Gmdrm	hypo	CHG	-0.026
Gm08	1085764	1085861	Gmdrm	hypo	CHG	-0.36
Gm08	1094921	1095079	Gmdrm	hypo	CHG	-0.3414
Gm08	1110613	1110825	Gmdrm	hypo	CHG	-0.0616
Gm08	1124813	1124942	Gmdrm	hypo	CHG	-0.3285
Gm08	1138661	1138895	Gmdrm	hypo	CHG	-0.0633
Gm08	1166668	1166763	Gmdrm	hypo	CHG	-0.03
Gm08	1168883	1169036	Gmdrm	hypo	CHG	-0.5567
Gm08	1177681	1177811	Gmdrm	hypo	CHG	-0.4614
Gm08	1178188	1178257	Gmdrm	hypo	CHG	-0.5512
Gm08	1209098	1209386	Gmdrm	hypo	CHG	-0.0299
Gm08	1226914	1227272	Gmdrm	hypo	CHG	-0.0344
Gm08	1231743	1232187	Gmdrm	hypo	CHG	-0.6425
Gm08	1237800	1238043	Gmdrm	hypo	CHG	-0.6187
Gm08	1238212	1238586	Gmdrm	hypo	CHG	-0.7279
Gm08	1243242	1243468	Gmdrm	hypo	CHG	-0.07
Gm08	1254891	1255057	Gmdrm	hypo	CHG	-0.0433
Gm08	1276330	1276370	Gmdrm	hypo	CHG	-0.67
Gm08	1286727	1286928	Gmdrm	hypo	CHG	-0.6286
Gm08	1289477	1289624	Gmdrm	hypo	CHG	-0.062
Gm08	1292959	1293060	Gmdrm	hypo	CHG	-0.9691
Gm08	1293382	1293582	Gmdrm	hypo	CHG	-0.6001
Gm08	1293696	1293861	Gmdrm	hypo	CHG	-0.8681
Gm08	1295136	1295308	Gmdrm	hypo	CHG	-0.6026
Gm08	1295696	1295911	Gmdrm	hypo	CHG	-0.5054
Gm08	1296038	1296183	Gmdrm	hypo	CHG	-0.7449
Gm08	1300007	1300222	Gmdrm	hypo	CHG	-0.048
Gm08	1307769	1307982	Gmdrm	hypo	CHG	-0.0443
Gm08	1309466	1309682	Gmdrm	hypo	CHG	-0.4754
Gm08	1315862	1316053	Gmdrm	hypo	CHG	-0.6986
Gm08	1316541	1316761	Gmdrm	hypo	CHG	-0.7063
Gm08	1320676	1320772	Gmdrm	hypo	CHG	-0.692
Gm08	1327838	1327991	Gmdrm	hypo	CHG	-0.4233
Gm08	1334033	1334328	Gmdrm	hypo	CHG	-0.4678
Gm08	1335856	1335887	Gmdrm	hypo	CHG	-0.2733
Gm08	1336054	1336272	Gmdrm	hypo	CHG	-0.6706
Gm08	1342522	1342813	Gmdrm	hypo	CHG	-0.9533
Gm08	1343142	1343216	Gmdrm	hypo	CHG	-0.8767
Gm08	1356997	1357208	Gmdrm	hypo	CHG	-0.035

Gm08	1386273	1386456	Gmdrm	hypo	CHG	-0.8924
Gm08	1391870	1391954	Gmdrm	hypo	CHG	-0.8286
Gm08	1392290	1392347	Gmdrm	hypo	CHG	-0.5033
Gm08	1394178	1394275	Gmdrm	hypo	CHG	-0.478
Gm08	1394436	1394561	Gmdrm	hypo	CHG	-0.1933
Gm08	1408884	1408957	Gmdrm	hypo	CHG	-0.0467
Gm08	1446637	1447358	Gmdrm	hypo	CHG	-0.3729
Gm08	1447546	1447605	Gmdrm	hypo	CHG	-0.605
Gm08	1456404	1456653	Gmdrm	hypo	CHG	-0.0357
Gm08	1459588	1459742	Gmdrm	hypo	CHG	-0.643
Gm08	1477928	1478005	Gmdrm	hypo	CHG	-0.3137
Gm08	1487137	1487221	Gmdrm	hypo	CHG	-0.06
Gm08	1496005	1496318	Gmdrm	hypo	CHG	-0.5384
Gm08	1506240	1506267	Gmdrm	hypo	CHG	-0.79
Gm08	1506430	1506542	Gmdrm	hypo	CHG	-0.72
Gm08	1507351	1507472	Gmdrm	hypo	CHG	-0.402
Gm08	1508812	1508940	Gmdrm	hypo	CHG	-0.222
Gm08	1513391	1513729	Gmdrm	hypo	CHG	-0.0364
Gm08	1530170	1530404	Gmdrm	hypo	CHG	-0.7586
Gm08	1531180	1531363	Gmdrm	hypo	CHG	-0.0471
Gm08	1533758	1533823	Gmdrm	hypo	CHG	-0.234
Gm08	1534215	1534303	Gmdrm	hypo	CHG	-0.5784
Gm08	1534711	1534857	Gmdrm	hypo	CHG	-0.9215
Gm08	1546276	1546350	Gmdrm	hypo	CHG	-0.056
Gm08	1548590	1548807	Gmdrm	hypo	CHG	-0.6037
Gm08	1551424	1551792	Gmdrm	hypo	CHG	-0.2373
Gm08	1567237	1567494	Gmdrm	hypo	CHG	-0.0556
Gm08	1568913	1569045	Gmdrm	hypo	CHG	-0.5814
Gm08	1569652	1569752	Gmdrm	hypo	CHG	-0.845
Gm08	1569950	1570028	Gmdrm	hypo	CHG	-0.638
Gm08	1570950	1571065	Gmdrm	hypo	CHG	-0.0544
Gm08	1596645	1596817	Gmdrm	hypo	CHG	-0.038
Gm08	1606973	1607144	Gmdrm	hypo	CHG	-0.064
Gm08	1628970	1629265	Gmdrm	hypo	CHG	-0.5409
Gm08	1629821	1630122	Gmdrm	hypo	CHG	-0.2225
Gm08	1631913	1632211	Gmdrm	hypo	CHG	-0.39
Gm08	1650580	1650868	Gmdrm	hypo	CHG	-0.04
Gm08	1673575	1674000	Gmdrm	hypo	CHG	-0.5465
Gm08	1678185	1678536	Gmdrm	hypo	CHG	-0.025
Gm08	1678864	1678953	Gmdrm	hypo	CHG	-0.064
Gm08	1709018	1709142	Gmdrm	hypo	CHG	-0.056
Gm08	1718869	1718913	Gmdrm	hypo	CHG	-0.91
Gm08	1719018	1719361	Gmdrm	hypo	CHG	-0.5153
Gm08	1719575	1719693	Gmdrm	hypo	CHG	-0.6513
Gm08	1748281	1748535	Gmdrm	hypo	CHG	-0.0543
Gm08	1769809	1769987	Gmdrm	hypo	CHG	-0.2325

Gm08	1780240	1780651	Gmdrm	hypo	CHG	-0.5
Gm08	1781875	1781958	Gmdrm	hypo	CHG	-0.7213
Gm08	1782269	1782599	Gmdrm	hypo	CHG	-0.3088
Gm08	1841121	1841278	Gmdrm	hypo	CHG	-0.0929
Gm08	1848035	1848645	Gmdrm	hypo	CHG	-0.5552
Gm08	1871576	1871714	Gmdrm	hypo	CHG	-0.55
Gm08	1878176	1878274	Gmdrm	hypo	CHG	-0.107
Gm08	1895197	1896174	Gmdrm	hypo	CHG	-0.3586
Gm08	1925435	1925643	Gmdrm	hypo	CHG	-0.6932
Gm08	1925784	1926067	Gmdrm	hypo	CHG	-0.2574
Gm08	1941252	1941290	Gmdrm	hypo	CHG	-0.7084
Gm08	1949593	1949671	Gmdrm	hypo	CHG	-0.484
Gm08	1984389	1984677	Gmdrm	hypo	CHG	-0.04
Gm08	2008054	2008732	Gmdrm	hypo	CHG	-0.03
Gm08	2011846	2011924	Gmdrm	hypo	CHG	-0.676
Gm08	2021933	2022374	Gmdrm	hypo	CHG	-0.0547
Gm08	2044720	2044850	Gmdrm	hypo	CHG	-0.2567
Gm08	2045705	2045953	Gmdrm	hypo	CHG	-0.1908
Gm08	2047319	2047507	Gmdrm	hypo	CHG	-0.0409
Gm08	2061546	2061897	Gmdrm	hypo	CHG	-0.4482
Gm08	2068782	2068935	Gmdrm	hypo	CHG	-0.0314
Gm08	2070435	2070490	Gmdrm	hypo	CHG	-0.56
Gm08	2070943	2071155	Gmdrm	hypo	CHG	-0.636
Gm08	2082235	2082387	Gmdrm	hypo	CHG	-0.4167
Gm08	2094746	2094968	Gmdrm	hypo	CHG	-0.048
Gm08	2100933	2101160	Gmdrm	hypo	CHG	-0.846
Gm08	2126222	2126232	Gmdrm	hypo	CHG	-0.45
Gm08	2126512	2126996	Gmdrm	hypo	CHG	-0.5272
Gm08	2129504	2129680	Gmdrm	hypo	CHG	-0.7822
Gm08	2130410	2130566	Gmdrm	hypo	CHG	-0.7
Gm08	2131733	2131976	Gmdrm	hypo	CHG	-0.8067
Gm08	2147616	2148120	Gmdrm	hypo	CHG	-0.4555
Gm08	2148333	2148701	Gmdrm	hypo	CHG	-0.7517
Gm08	2171463	2171696	Gmdrm	hypo	CHG	-0.0616
Gm08	2181153	2181201	Gmdrm	hypo	CHG	-0.814
Gm08	2204599	2204812	Gmdrm	hypo	CHG	-0.1275
Gm08	2209005	2209197	Gmdrm	hypo	CHG	-0.13
Gm08	2210617	2210742	Gmdrm	hypo	CHG	-0.096
Gm08	2229696	2229920	Gmdrm	hypo	CHG	-0.03
Gm08	2239468	2239627	Gmdrm	hypo	CHG	-0.056
Gm08	2254901	2255030	Gmdrm	hypo	CHG	-0.0783
Gm08	2255221	2255468	Gmdrm	hypo	CHG	-0.0422
Gm08	2270555	2270654	Gmdrm	hypo	CHG	-0.07
Gm08	2285190	2285402	Gmdrm	hypo	CHG	-0.7638
Gm08	2285540	2285962	Gmdrm	hypo	CHG	-0.7964
Gm08	2321140	2321442	Gmdrm	hypo	CHG	-0.0408

Gm08	2354524	2354610	Gmdrm	hypo	CHG	-0.0772
Gm08	2355091	2355212	Gmdrm	hypo	CHG	-0.8883
Gm08	2355802	2356164	Gmdrm	hypo	CHG	-0.2939
Gm08	2386395	2386662	Gmdrm	hypo	CHG	-0.054
Gm08	2398491	2398677	Gmdrm	hypo	CHG	-0.1684
Gm08	2417383	2417528	Gmdrm	hypo	CHG	-0.092
Gm08	2417717	2418104	Gmdrm	hypo	CHG	-0.1534
Gm08	2423128	2423461	Gmdrm	hypo	CHG	-0.6612
Gm08	2442858	2442983	Gmdrm	hypo	CHG	-0.044
Gm08	2455010	2455408	Gmdrm	hypo	CHG	-0.03
Gm08	2487385	2487643	Gmdrm	hypo	CHG	-0.3722
Gm08	2487805	2488186	Gmdrm	hypo	CHG	-0.5369
Gm08	2488408	2488466	Gmdrm	hypo	CHG	-0.82
Gm08	2495072	2495214	Gmdrm	hypo	CHG	-0.05
Gm08	2497718	2497846	Gmdrm	hypo	CHG	-0.3328
Gm08	2499092	2499124	Gmdrm	hypo	CHG	-0.7414
Gm08	2502758	2502870	Gmdrm	hypo	CHG	-0.54
Gm08	2506135	2506222	Gmdrm	hypo	CHG	-0.102
Gm08	2518057	2518275	Gmdrm	hypo	CHG	-0.6249
Gm08	2518603	2518748	Gmdrm	hypo	CHG	-0.6517
Gm08	2521238	2521500	Gmdrm	hypo	CHG	-0.082
Gm08	2540060	2540295	Gmdrm	hypo	CHG	-0.129
Gm08	2542614	2542655	Gmdrm	hypo	CHG	-0.085
Gm08	2559432	2559633	Gmdrm	hypo	CHG	-0.3
Gm08	2581829	2582053	Gmdrm	hypo	CHG	-0.324
Gm08	2609518	2609711	Gmdrm	hypo	CHG	-0.03
Gm08	2613141	2613514	Gmdrm	hypo	CHG	-0.9564
Gm08	2656123	2656300	Gmdrm	hypo	CHG	-0.0514
Gm08	2678151	2678334	Gmdrm	hypo	CHG	-0.7745
Gm08	2695079	2695470	Gmdrm	hypo	CHG	-0.0345
Gm08	2720716	2720827	Gmdrm	hypo	CHG	-0.056
Gm08	2735007	2735571	Gmdrm	hypo	CHG	-0.6863
Gm08	2752064	2752445	Gmdrm	hypo	CHG	-0.032
Gm08	2753065	2753225	Gmdrm	hypo	CHG	-0.038
Gm08	2800126	2800453	Gmdrm	hypo	CHG	-0.0401
Gm08	2833767	2834131	Gmdrm	hypo	CHG	-0.2372
Gm08	2852130	2852567	Gmdrm	hypo	CHG	-0.159
Gm08	2882349	2882501	Gmdrm	hypo	CHG	-0.3372
Gm08	2888978	2889127	Gmdrm	hypo	CHG	-0.8021
Gm08	2889334	2889558	Gmdrm	hypo	CHG	-0.944
Gm08	2895480	2895539	Gmdrm	hypo	CHG	-0.5225
Gm08	2896834	2896948	Gmdrm	hypo	CHG	-0.6566
Gm08	2897460	2897737	Gmdrm	hypo	CHG	-0.4123
Gm08	2902927	2903333	Gmdrm	hypo	CHG	-0.7512
Gm08	2924409	2924551	Gmdrm	hypo	CHG	-0.6528
Gm08	2936257	2936380	Gmdrm	hypo	CHG	-0.402

Gm08	2950369	2950447 Gmdrm	hypo	CHG	-0.05
Gm08	2971426	2971605 Gmdrm	hypo	CHG	-0.068
Gm08	2987625	2987795 Gmdrm	hypo	CHG	-0.0429
Gm08	3002237	3002957 Gmdrm	hypo	CHG	-0.6738
Gm08	3033051	3033312 Gmdrm	hypo	CHG	-0.2415
Gm08	3033419	3033651 Gmdrm	hypo	CHG	-0.5057
Gm08	3033789	3033965 Gmdrm	hypo	CHG	-0.2686
Gm08	3110323	3110675 Gmdrm	hypo	CHG	-0.1824
Gm08	3110794	3110958 Gmdrm	hypo	CHG	-0.2423
Gm08	3111124	3111165 Gmdrm	hypo	CHG	-0.33
Gm08	3118406	3118742 Gmdrm	hypo	CHG	-0.8477
Gm08	3134860	3135133 Gmdrm	hypo	CHG	-0.746
Gm08	3135237	3135489 Gmdrm	hypo	CHG	-0.6512
Gm08	3136713	3136853 Gmdrm	hypo	CHG	-0.492
Gm08	3138466	3139089 Gmdrm	hypo	CHG	-0.1291
Gm08	3148388	3148509 Gmdrm	hypo	CHG	-0.44
Gm08	3148777	3148881 Gmdrm	hypo	CHG	-0.8816
Gm08	3172642	3172900 Gmdrm	hypo	CHG	-0.05
Gm08	3180703	3180719 Gmdrm	hypo	CHG	-0.895
Gm08	3180873	3181084 Gmdrm	hypo	CHG	-0.6675
Gm08	3203404	3203629 Gmdrm	hypo	CHG	-0.0275
Gm08	3218074	3218167 Gmdrm	hypo	CHG	-0.0562
Gm08	3238681	3238790 Gmdrm	hypo	CHG	-0.1357
Gm08	3239092	3239171 Gmdrm	hypo	CHG	-0.52
Gm08	3239371	3239909 Gmdrm	hypo	CHG	-0.4216
Gm08	3250669	3250924 Gmdrm	hypo	CHG	-0.0417
Gm08	3291871	3292147 Gmdrm	hypo	CHG	-0.0324
Gm08	3343551	3343624 Gmdrm	hypo	CHG	-0.07
Gm08	3395903	3396574 Gmdrm	hypo	CHG	-0.27
Gm08	3418277	3418453 Gmdrm	hypo	CHG	-0.078
Gm08	3436980	3437119 Gmdrm	hypo	CHG	-0.04
Gm08	3457796	3457823 Gmdrm	hypo	CHG	-0.106
Gm08	3457950	3458167 Gmdrm	hypo	CHG	-0.043
Gm08	3458496	3458668 Gmdrm	hypo	CHG	-0.0315
Gm08	3472459	3472725 Gmdrm	hypo	CHG	-0.0578
Gm08	3482610	3482716 Gmdrm	hypo	CHG	-0.342
Gm08	3483316	3483582 Gmdrm	hypo	CHG	-0.6369
Gm08	3483869	3484002 Gmdrm	hypo	CHG	-0.488
Gm08	3495326	3495438 Gmdrm	hypo	CHG	-0.576
Gm08	3495579	3495741 Gmdrm	hypo	CHG	-0.166
Gm08	3496991	3497241 Gmdrm	hypo	CHG	-0.4887
Gm08	3498330	3498601 Gmdrm	hypo	CHG	-0.0647
Gm08	3499205	3499323 Gmdrm	hypo	CHG	-0.0767
Gm08	3502974	3503372 Gmdrm	hypo	CHG	-0.475
Gm08	3503589	3503728 Gmdrm	hypo	CHG	-0.76
Gm08	3508085	3508140 Gmdrm	hypo	CHG	-0.032

Gm08	3520259	3520422	Gmdrm	hypo	CHG	-0.8387
Gm08	3532740	3532857	Gmdrm	hypo	CHG	-0.3925
Gm08	3556039	3556519	Gmdrm	hypo	CHG	-0.052
Gm08	3570088	3570295	Gmdrm	hypo	CHG	-0.4912
Gm08	3582951	3583019	Gmdrm	hypo	CHG	-0.24
Gm08	3597362	3597457	Gmdrm	hypo	CHG	-0.064
Gm08	3616783	3617441	Gmdrm	hypo	CHG	-0.5804
Gm08	3641301	3641425	Gmdrm	hypo	CHG	-0.045
Gm08	3665813	3666085	Gmdrm	hypo	CHG	-0.0477
Gm08	3675120	3675241	Gmdrm	hypo	CHG	-0.7475
Gm08	3682296	3682466	Gmdrm	hypo	CHG	-0.0488
Gm08	3691285	3691705	Gmdrm	hypo	CHG	-0.16
Gm08	3698447	3698616	Gmdrm	hypo	CHG	-0.036
Gm08	3711424	3711563	Gmdrm	hypo	CHG	-0.476
Gm08	3727635	3727703	Gmdrm	hypo	CHG	-0.0533
Gm08	3737069	3737180	Gmdrm	hypo	CHG	-0.306
Gm08	3737432	3737554	Gmdrm	hypo	CHG	-0.6216
Gm08	3738936	3739188	Gmdrm	hypo	CHG	-0.2722
Gm08	3744772	3744929	Gmdrm	hypo	CHG	-0.8382
Gm08	3773754	3773984	Gmdrm	hypo	CHG	-0.043
Gm08	3777150	3778073	Gmdrm	hypo	CHG	-0.2848
Gm08	3788085	3788222	Gmdrm	hypo	CHG	-0.7385
Gm08	3788554	3788611	Gmdrm	hypo	CHG	-0.5728
Gm08	3790762	3790985	Gmdrm	hypo	CHG	-0.2705
Gm08	3814129	3814333	Gmdrm	hypo	CHG	-0.4125
Gm08	3819276	3819744	Gmdrm	hypo	CHG	-0.3664
Gm08	3830922	3831131	Gmdrm	hypo	CHG	-0.2015
Gm08	3847763	3847871	Gmdrm	hypo	CHG	-0.8525
Gm08	3848109	3848213	Gmdrm	hypo	CHG	-0.714
Gm08	3848820	3848930	Gmdrm	hypo	CHG	-0.8291
Gm08	3855625	3855806	Gmdrm	hypo	CHG	-0.05
Gm08	3907406	3907752	Gmdrm	hypo	CHG	-0.7504
Gm08	3907920	3907964	Gmdrm	hypo	CHG	-0.9333
Gm08	3910587	3910857	Gmdrm	hypo	CHG	-0.046
Gm08	3915277	3915463	Gmdrm	hypo	CHG	-0.05
Gm08	3950527	3950608	Gmdrm	hypo	CHG	-0.3483
Gm08	3951253	3951780	Gmdrm	hypo	CHG	-0.635
Gm08	3961933	3962198	Gmdrm	hypo	CHG	-0.0429
Gm08	3970420	3970646	Gmdrm	hypo	CHG	-0.672
Gm08	3984332	3984368	Gmdrm	hypo	CHG	-0.5716
Gm08	3998779	3998866	Gmdrm	hypo	CHG	-0.696
Gm08	3999190	3999398	Gmdrm	hypo	CHG	-0.3329
Gm08	4008834	4008936	Gmdrm	hypo	CHG	-0.0571
Gm08	4015109	4015204	Gmdrm	hypo	CHG	-0.932
Gm08	4015319	4015410	Gmdrm	hypo	CHG	-0.83
Gm08	4036994	4037794	Gmdrm	hypo	CHG	-0.2225

Gm08	4038125	4038383 Gmdrm	hypo	CHG	-0.3367
Gm08	4040500	4040548 Gmdrm	hypo	CHG	-0.03
Gm08	4041434	4041550 Gmdrm	hypo	CHG	-0.74
Gm08	4042989	4043228 Gmdrm	hypo	CHG	-0.85
Gm08	4053643	4053815 Gmdrm	hypo	CHG	-0.044
Gm08	4058118	4058246 Gmdrm	hypo	CHG	-0.3117
Gm08	4059001	4059400 Gmdrm	hypo	CHG	-0.2969
Gm08	4070128	4070326 Gmdrm	hypo	CHG	-0.5215
Gm08	4091490	4091981 Gmdrm	hypo	CHG	-0.1116
Gm08	4098833	4098975 Gmdrm	hypo	CHG	-0.8509
Gm08	4099109	4099362 Gmdrm	hypo	CHG	-0.8815
Gm08	4110957	4111248 Gmdrm	hypo	CHG	-0.0433
Gm08	4120223	4120337 Gmdrm	hypo	CHG	-0.122
Gm08	4134228	4134451 Gmdrm	hypo	CHG	-0.0645
Gm08	4136650	4136806 Gmdrm	hypo	CHG	-0.095
Gm08	4144834	4144975 Gmdrm	hypo	CHG	-0.675
Gm08	4145118	4145558 Gmdrm	hypo	CHG	-0.3079
Gm08	4145935	4146004 Gmdrm	hypo	CHG	-0.9425
Gm08	4152998	4153284 Gmdrm	hypo	CHG	-0.4686
Gm08	4153574	4153857 Gmdrm	hypo	CHG	-0.8479
Gm08	4154099	4154235 Gmdrm	hypo	CHG	-0.91
Gm08	4154380	4154569 Gmdrm	hypo	CHG	-0.2794
Gm08	4171850	4172035 Gmdrm	hypo	CHG	-0.7846
Gm08	4176546	4176641 Gmdrm	hypo	CHG	-0.054
Gm08	4181231	4181420 Gmdrm	hypo	CHG	-0.6143
Gm08	4186203	4186766 Gmdrm	hypo	CHG	-0.5778
Gm08	4212257	4212351 Gmdrm	hypo	CHG	-0.86
Gm08	4212510	4212815 Gmdrm	hypo	CHG	-0.7687
Gm08	4219842	4219923 Gmdrm	hypo	CHG	-0.91
Gm08	4220423	4220961 Gmdrm	hypo	CHG	-0.5425
Gm08	4232930	4233502 Gmdrm	hypo	CHG	-0.0257
Gm08	4251564	4251887 Gmdrm	hypo	CHG	-0.5014
Gm08	4270344	4270394 Gmdrm	hypo	CHG	-0.464
Gm08	4270990	4271041 Gmdrm	hypo	CHG	-0.856
Gm08	4276610	4277153 Gmdrm	hypo	CHG	-0.0277
Gm08	4287664	4287732 Gmdrm	hypo	CHG	-0.9055
Gm08	4287861	4288523 Gmdrm	hypo	CHG	-0.894
Gm08	4299962	4300150 Gmdrm	hypo	CHG	-0.49
Gm08	4317570	4317676 Gmdrm	hypo	CHG	-0.54
Gm08	4321206	4321305 Gmdrm	hypo	CHG	-0.0533
Gm08	4323805	4323895 Gmdrm	hypo	CHG	-0.758
Gm08	4324051	4324150 Gmdrm	hypo	CHG	-0.864
Gm08	4344341	4344485 Gmdrm	hypo	CHG	-0.6311
Gm08	4346462	4346525 Gmdrm	hypo	CHG	-0.5467
Gm08	4346903	4346966 Gmdrm	hypo	CHG	-0.48
Gm08	4360786	4360919 Gmdrm	hypo	CHG	-0.364

Gm08	4372093	4372316 Gmdrm	hypo	CHG	-0.028
Gm08	4391670	4391856 Gmdrm	hypo	CHG	-0.51
Gm08	4392020	4392147 Gmdrm	hypo	CHG	-0.4081
Gm08	4405770	4406036 Gmdrm	hypo	CHG	-0.05
Gm08	4427214	4427321 Gmdrm	hypo	CHG	-0.552
Gm08	4441999	4442090 Gmdrm	hypo	CHG	-0.62
Gm08	4453142	4453279 Gmdrm	hypo	CHG	-0.052
Gm08	4536015	4536131 Gmdrm	hypo	CHG	-0.4928
Gm08	4546255	4546356 Gmdrm	hypo	CHG	-0.688
Gm08	4547130	4547248 Gmdrm	hypo	CHG	-0.7883
Gm08	4560856	4560935 Gmdrm	hypo	CHG	-0.8257
Gm08	4561222	4561423 Gmdrm	hypo	CHG	-0.5886
Gm08	4567126	4567227 Gmdrm	hypo	CHG	-0.6
Gm08	4569879	4569949 Gmdrm	hypo	CHG	-0.4157
Gm08	4574073	4574204 Gmdrm	hypo	CHG	-0.0383
Gm08	4668736	4668829 Gmdrm	hypo	CHG	-0.2986
Gm08	4670158	4670481 Gmdrm	hypo	CHG	-0.359
Gm08	4703701	4703813 Gmdrm	hypo	CHG	-0.168
Gm08	4704910	4704986 Gmdrm	hypo	CHG	-0.6076
Gm08	4715310	4715338 Gmdrm	hypo	CHG	-0.3757
Gm08	4724128	4724236 Gmdrm	hypo	CHG	-0.5867
Gm08	4754837	4754901 Gmdrm	hypo	CHG	-0.905
Gm08	4755017	4755400 Gmdrm	hypo	CHG	-0.7763
Gm08	4769953	4770093 Gmdrm	hypo	CHG	-0.9073
Gm08	4770543	4770660 Gmdrm	hypo	CHG	-0.712
Gm08	4784954	4785058 Gmdrm	hypo	CHG	-0.8056
Gm08	4800574	4800679 Gmdrm	hypo	CHG	-0.0275
Gm08	4800910	4801230 Gmdrm	hypo	CHG	-0.4053
Gm08	4801407	4801739 Gmdrm	hypo	CHG	-0.555
Gm08	4806484	4806660 Gmdrm	hypo	CHG	-0.3433
Gm08	4851945	4852109 Gmdrm	hypo	CHG	-0.2766
Gm08	4857880	4858066 Gmdrm	hypo	CHG	-0.354
Gm08	4864941	4865157 Gmdrm	hypo	CHG	-0.0386
Gm08	4904225	4904394 Gmdrm	hypo	CHG	-0.0343
Gm08	4923764	4923989 Gmdrm	hypo	CHG	-0.353
Gm08	4931956	4932291 Gmdrm	hypo	CHG	-0.0433
Gm08	4938023	4938686 Gmdrm	hypo	CHG	-0.7837
Gm08	4959499	4959720 Gmdrm	hypo	CHG	-0.62
Gm08	4981526	4981818 Gmdrm	hypo	CHG	-0.0334
Gm08	4992659	4992849 Gmdrm	hypo	CHG	-0.1767
Gm08	5005322	5005487 Gmdrm	hypo	CHG	-0.055
Gm08	5017952	5018068 Gmdrm	hypo	CHG	-0.3883
Gm08	5025379	5025511 Gmdrm	hypo	CHG	-0.6833
Gm08	5025623	5026013 Gmdrm	hypo	CHG	-0.8744
Gm08	5052721	5053038 Gmdrm	hypo	CHG	-0.1924
Gm08	5059342	5059650 Gmdrm	hypo	CHG	-0.5547

Gm08	5062723	5062936 Gmdrm	hypo	CHG	-0.5663
Gm08	5067966	5068136 Gmdrm	hypo	CHG	-0.3183
Gm08	5080093	5080334 Gmdrm	hypo	CHG	-0.7025
Gm08	5080675	5080899 Gmdrm	hypo	CHG	-0.773
Gm08	5084918	5085139 Gmdrm	hypo	CHG	-0.446
Gm08	5086013	5086127 Gmdrm	hypo	CHG	-0.9157
Gm08	5090447	5090579 Gmdrm	hypo	CHG	-0.0636
Gm08	5140075	5140132 Gmdrm	hypo	CHG	-0.515
Gm08	5141723	5141802 Gmdrm	hypo	CHG	-0.266
Gm08	5144326	5144415 Gmdrm	hypo	CHG	-0.05
Gm08	5146544	5146918 Gmdrm	hypo	CHG	-0.6873
Gm08	5147137	5147396 Gmdrm	hypo	CHG	-0.4925
Gm08	5161016	5161085 Gmdrm	hypo	CHG	-0.0717
Gm08	5169015	5169087 Gmdrm	hypo	CHG	-0.5314
Gm08	5197340	5197433 Gmdrm	hypo	CHG	-0.12
Gm08	5200772	5201642 Gmdrm	hypo	CHG	-0.7163
Gm08	5207209	5207616 Gmdrm	hypo	CHG	-0.7241
Gm08	5208103	5208489 Gmdrm	hypo	CHG	-0.2377
Gm08	5258597	5259106 Gmdrm	hypo	CHG	-0.2877
Gm08	5270643	5270714 Gmdrm	hypo	CHG	-0.3933
Gm08	5298408	5298545 Gmdrm	hypo	CHG	-0.1266
Gm08	5307962	5308193 Gmdrm	hypo	CHG	-0.2716
Gm08	5319507	5319545 Gmdrm	hypo	CHG	-0.854
Gm08	5329850	5330169 Gmdrm	hypo	CHG	-0.0539
Gm08	5350434	5350625 Gmdrm	hypo	CHG	-0.517
Gm08	5373288	5373523 Gmdrm	hypo	CHG	-0.3058
Gm08	5383937	5384086 Gmdrm	hypo	CHG	-0.5078
Gm08	5384891	5384964 Gmdrm	hypo	CHG	-0.4383
Gm08	5404604	5404769 Gmdrm	hypo	CHG	-0.056
Gm08	5422649	5422798 Gmdrm	hypo	CHG	-0.0243
Gm08	5456159	5456293 Gmdrm	hypo	CHG	-0.4683
Gm08	5456459	5456635 Gmdrm	hypo	CHG	-0.7243
Gm08	5456951	5457152 Gmdrm	hypo	CHG	-0.4829
Gm08	5472212	5472470 Gmdrm	hypo	CHG	-0.0388
Gm08	5527542	5527615 Gmdrm	hypo	CHG	-0.096
Gm08	5530179	5530261 Gmdrm	hypo	CHG	-0.042
Gm08	5532217	5532373 Gmdrm	hypo	CHG	-0.136
Gm08	5536184	5536442 Gmdrm	hypo	CHG	-0.0528
Gm08	5544867	5544885 Gmdrm	hypo	CHG	-0.15
Gm08	5546152	5546307 Gmdrm	hypo	CHG	-0.052
Gm08	5552311	5552503 Gmdrm	hypo	CHG	-0.046
Gm08	5558134	5558344 Gmdrm	hypo	CHG	-0.0725
Gm08	5561048	5561282 Gmdrm	hypo	CHG	-0.039
Gm08	5562109	5562599 Gmdrm	hypo	CHG	-0.1607
Gm08	5567886	5568059 Gmdrm	hypo	CHG	-0.768
Gm08	5568241	5568569 Gmdrm	hypo	CHG	-0.6

Gm08	5583343	5583748	Gmdrm	hypo	CHG	-0.0489
Gm08	5611528	5611828	Gmdrm	hypo	CHG	-0.028
Gm08	5612046	5612341	Gmdrm	hypo	CHG	-0.0593
Gm08	5624632	5624770	Gmdrm	hypo	CHG	-0.635
Gm08	5625465	5625782	Gmdrm	hypo	CHG	-0.802
Gm08	5644863	5644950	Gmdrm	hypo	CHG	-0.0886
Gm08	5678577	5678722	Gmdrm	hypo	CHG	-0.5654
Gm08	5678976	5679112	Gmdrm	hypo	CHG	-0.7706
Gm08	5691251	5691557	Gmdrm	hypo	CHG	-0.0558
Gm08	5704849	5705099	Gmdrm	hypo	CHG	-0.4273
Gm08	5726306	5726430	Gmdrm	hypo	CHG	-0.4283
Gm08	5726922	5727046	Gmdrm	hypo	CHG	-0.1666
Gm08	5759299	5759441	Gmdrm	hypo	CHG	-0.6831
Gm08	5759590	5759701	Gmdrm	hypo	CHG	-0.71
Gm08	5760079	5760441	Gmdrm	hypo	CHG	-0.8105
Gm08	5765841	5765947	Gmdrm	hypo	CHG	-0.1483
Gm08	5780784	5780856	Gmdrm	hypo	CHG	-0.0867
Gm08	5781360	5781525	Gmdrm	hypo	CHG	-0.8363
Gm08	5792628	5792811	Gmdrm	hypo	CHG	-0.796
Gm08	5793005	5793050	Gmdrm	hypo	CHG	-0.052
Gm08	5809937	5810875	Gmdrm	hypo	CHG	-0.5
Gm08	5813996	5814066	Gmdrm	hypo	CHG	-0.52
Gm08	5816897	5817068	Gmdrm	hypo	CHG	-0.0467
Gm08	5823878	5824013	Gmdrm	hypo	CHG	-0.944
Gm08	5844152	5844260	Gmdrm	hypo	CHG	-0.62
Gm08	5844371	5844478	Gmdrm	hypo	CHG	-0.306
Gm08	5847247	5847337	Gmdrm	hypo	CHG	-0.5617
Gm08	5861657	5862119	Gmdrm	hypo	CHG	-0.0229
Gm08	5881419	5881496	Gmdrm	hypo	CHG	-0.8111
Gm08	5888219	5888388	Gmdrm	hypo	CHG	-0.036
Gm08	5891544	5891818	Gmdrm	hypo	CHG	-0.0457
Gm08	5892165	5892326	Gmdrm	hypo	CHG	-0.7455
Gm08	5893197	5893237	Gmdrm	hypo	CHG	-0.672
Gm08	5902508	5902908	Gmdrm	hypo	CHG	-0.1679
Gm08	5909739	5909961	Gmdrm	hypo	CHG	-0.475
Gm08	5910332	5910600	Gmdrm	hypo	CHG	-0.1018
Gm08	5913927	5913989	Gmdrm	hypo	CHG	-0.8
Gm08	5919355	5919554	Gmdrm	hypo	CHG	-0.0483
Gm08	5921180	5921424	Gmdrm	hypo	CHG	-0.058
Gm08	5941891	5942020	Gmdrm	hypo	CHG	-0.592
Gm08	5942220	5942317	Gmdrm	hypo	CHG	-0.5125
Gm08	6014619	6014670	Gmdrm	hypo	CHG	-0.8783
Gm08	6014788	6014892	Gmdrm	hypo	CHG	-0.842
Gm08	6015347	6015366	Gmdrm	hypo	CHG	-0.8433
Gm08	6018909	6019199	Gmdrm	hypo	CHG	-0.2792
Gm08	6019406	6019506	Gmdrm	hypo	CHG	-0.2913

Gm08	6020842	6021234	Gmdrm	hypo	CHG	-0.4645
Gm08	6058497	6058599	Gmdrm	hypo	CHG	-0.066
Gm08	6083468	6083527	Gmdrm	hypo	CHG	-0.4914
Gm08	6097113	6097235	Gmdrm	hypo	CHG	-0.0666
Gm08	6101864	6102111	Gmdrm	hypo	CHG	-0.4723
Gm08	6110342	6110380	Gmdrm	hypo	CHG	-0.7517
Gm08	6110627	6110825	Gmdrm	hypo	CHG	-0.71
Gm08	6115716	6115751	Gmdrm	hypo	CHG	-0.566
Gm08	6116451	6116492	Gmdrm	hypo	CHG	-0.5333
Gm08	6131353	6131399	Gmdrm	hypo	CHG	-0.6133
Gm08	6136663	6136750	Gmdrm	hypo	CHG	-0.6224
Gm08	6154637	6154773	Gmdrm	hypo	CHG	-0.1188
Gm08	6173088	6173273	Gmdrm	hypo	CHG	-0.0611
Gm08	6175657	6175787	Gmdrm	hypo	CHG	-0.7413
Gm08	6176245	6176300	Gmdrm	hypo	CHG	-0.03
Gm08	6187935	6188051	Gmdrm	hypo	CHG	-0.2989
Gm08	6198790	6198855	Gmdrm	hypo	CHG	-0.5584
Gm08	6199042	6199166	Gmdrm	hypo	CHG	-0.5125
Gm08	6199751	6200052	Gmdrm	hypo	CHG	-0.3675
Gm08	6200471	6200636	Gmdrm	hypo	CHG	-0.7345
Gm08	6215926	6216171	Gmdrm	hypo	CHG	-0.0367
Gm08	6241564	6241679	Gmdrm	hypo	CHG	-0.04
Gm08	6243815	6243997	Gmdrm	hypo	CHG	-0.5931
Gm08	6312556	6312748	Gmdrm	hypo	CHG	-0.6691
Gm08	6314815	6315268	Gmdrm	hypo	CHG	-0.0181
Gm08	6323190	6323357	Gmdrm	hypo	CHG	-0.0557
Gm08	6324037	6324375	Gmdrm	hypo	CHG	-0.0378
Gm08	6348060	6348201	Gmdrm	hypo	CHG	-0.3663
Gm08	6363572	6363890	Gmdrm	hypo	CHG	-0.0487
Gm08	6370326	6370581	Gmdrm	hypo	CHG	-0.1217
Gm08	6372043	6372403	Gmdrm	hypo	CHG	-0.3964
Gm08	6372509	6372826	Gmdrm	hypo	CHG	-0.9138
Gm08	6373058	6373540	Gmdrm	hypo	CHG	-0.455
Gm08	6381071	6381318	Gmdrm	hypo	CHG	-0.3054
Gm08	6382097	6382362	Gmdrm	hypo	CHG	-0.3838
Gm08	6389673	6389771	Gmdrm	hypo	CHG	-0.18
Gm08	6395178	6395392	Gmdrm	hypo	CHG	-0.4823
Gm08	6395498	6395745	Gmdrm	hypo	CHG	-0.753
Gm08	6395879	6396270	Gmdrm	hypo	CHG	-0.1081
Gm08	6416355	6416497	Gmdrm	hypo	CHG	-0.0334
Gm08	6424483	6424582	Gmdrm	hypo	CHG	-0.2633
Gm08	6429224	6429367	Gmdrm	hypo	CHG	-0.33
Gm08	6442993	6443082	Gmdrm	hypo	CHG	-0.55
Gm08	6444488	6444576	Gmdrm	hypo	CHG	-0.0434
Gm08	6448574	6448895	Gmdrm	hypo	CHG	-0.0343
Gm08	6457400	6457733	Gmdrm	hypo	CHG	-0.3864

Gm08	6464635	6464820	Gmdrm	hypo	CHG	-0.85
Gm08	6466341	6466433	Gmdrm	hypo	CHG	-0.655
Gm08	6479457	6479537	Gmdrm	hypo	CHG	-0.0437
Gm08	6490444	6490609	Gmdrm	hypo	CHG	-0.044
Gm08	6505233	6505389	Gmdrm	hypo	CHG	-0.0443
Gm08	6526944	6527164	Gmdrm	hypo	CHG	-0.5789
Gm08	6534028	6534266	Gmdrm	hypo	CHG	-0.6991
Gm08	6534414	6534500	Gmdrm	hypo	CHG	-0.468
Gm08	6536735	6536882	Gmdrm	hypo	CHG	-0.0486
Gm08	6548279	6548358	Gmdrm	hypo	CHG	-0.684
Gm08	6548460	6548617	Gmdrm	hypo	CHG	-0.8307
Gm08	6587400	6587537	Gmdrm	hypo	CHG	-0.8454
Gm08	6587655	6587814	Gmdrm	hypo	CHG	-0.6
Gm08	6623898	6623932	Gmdrm	hypo	CHG	-0.0483
Gm08	6625056	6625186	Gmdrm	hypo	CHG	-0.194
Gm08	6649473	6649584	Gmdrm	hypo	CHG	-0.0986
Gm08	6720966	6721177	Gmdrm	hypo	CHG	-0.03
Gm08	6726483	6726746	Gmdrm	hypo	CHG	-0.0367
Gm08	6727395	6727527	Gmdrm	hypo	CHG	-0.382
Gm08	6734623	6734874	Gmdrm	hypo	CHG	-0.0225
Gm08	6776940	6777180	Gmdrm	hypo	CHG	-0.3922
Gm08	6797569	6797716	Gmdrm	hypo	CHG	-0.0366
Gm08	6815314	6815641	Gmdrm	hypo	CHG	-0.6161
Gm08	6820106	6820239	Gmdrm	hypo	CHG	-0.5671
Gm08	6820404	6820511	Gmdrm	hypo	CHG	-0.78
Gm08	6834436	6834520	Gmdrm	hypo	CHG	-0.688
Gm08	6845278	6845475	Gmdrm	hypo	CHG	-0.0358
Gm08	6847622	6847776	Gmdrm	hypo	CHG	-0.7863
Gm08	6847888	6848106	Gmdrm	hypo	CHG	-0.7886
Gm08	6882797	6883032	Gmdrm	hypo	CHG	-0.6
Gm08	6900404	6901054	Gmdrm	hypo	CHG	-0.2053
Gm08	6926239	6926455	Gmdrm	hypo	CHG	-0.2846
Gm08	6949024	6949158	Gmdrm	hypo	CHG	-0.0487
Gm08	6951282	6951446	Gmdrm	hypo	CHG	-0.3173
Gm08	6960363	6960548	Gmdrm	hypo	CHG	-0.29
Gm08	6978793	6978908	Gmdrm	hypo	CHG	-0.08
Gm08	6983581	6984063	Gmdrm	hypo	CHG	-0.2727
Gm08	6985040	6985279	Gmdrm	hypo	CHG	-0.0767
Gm08	6989119	6989171	Gmdrm	hypo	CHG	-0.8633
Gm08	6989427	6989566	Gmdrm	hypo	CHG	-0.4683
Gm08	7044064	7044246	Gmdrm	hypo	CHG	-0.5389
Gm08	7044567	7044657	Gmdrm	hypo	CHG	-0.6133
Gm08	7044807	7044869	Gmdrm	hypo	CHG	-0.3983
Gm08	7046092	7046176	Gmdrm	hypo	CHG	-0.5471
Gm08	7050508	7050617	Gmdrm	hypo	CHG	-0.5128
Gm08	7057825	7058009	Gmdrm	hypo	CHG	-0.2686

Gm08	7059997	7060159	Gmdrm	hypo	CHG	-0.4992
Gm08	7061152	7061413	Gmdrm	hypo	CHG	-0.626
Gm08	7069118	7069265	Gmdrm	hypo	CHG	-0.5659
Gm08	7069694	7069755	Gmdrm	hypo	CHG	-0.6871
Gm08	7073402	7073611	Gmdrm	hypo	CHG	-0.0333
Gm08	7088062	7088182	Gmdrm	hypo	CHG	-0.6329
Gm08	7099953	7100139	Gmdrm	hypo	CHG	-0.3718
Gm08	7104015	7104173	Gmdrm	hypo	CHG	-0.09
Gm08	7115785	7115913	Gmdrm	hypo	CHG	-0.7863
Gm08	7116435	7116583	Gmdrm	hypo	CHG	-0.8314
Gm08	7119928	7120131	Gmdrm	hypo	CHG	-0.0357
Gm08	7162817	7162935	Gmdrm	hypo	CHG	-0.0625
Gm08	7187132	7187333	Gmdrm	hypo	CHG	-0.0371
Gm08	7192469	7192530	Gmdrm	hypo	CHG	-0.2933
Gm08	7198761	7199029	Gmdrm	hypo	CHG	-0.4216
Gm08	7255214	7255842	Gmdrm	hypo	CHG	-0.4171
Gm08	7280134	7280238	Gmdrm	hypo	CHG	-0.21
Gm08	7281221	7281294	Gmdrm	hypo	CHG	-0.8225
Gm08	7281609	7281703	Gmdrm	hypo	CHG	-0.9283
Gm08	7294764	7294913	Gmdrm	hypo	CHG	-0.066
Gm08	7301091	7301287	Gmdrm	hypo	CHG	-0.034
Gm08	7301878	7302171	Gmdrm	hypo	CHG	-0.0288
Gm08	7305353	7305648	Gmdrm	hypo	CHG	-0.6827
Gm08	7308611	7308769	Gmdrm	hypo	CHG	-0.79
Gm08	7338646	7338806	Gmdrm	hypo	CHG	-0.05
Gm08	7366481	7366698	Gmdrm	hypo	CHG	-0.0617
Gm08	7370558	7370691	Gmdrm	hypo	CHG	-0.1714
Gm08	7382362	7382643	Gmdrm	hypo	CHG	-0.5167
Gm08	7383018	7383119	Gmdrm	hypo	CHG	-0.7228
Gm08	7399111	7399288	Gmdrm	hypo	CHG	-0.6562
Gm08	7406259	7406346	Gmdrm	hypo	CHG	-0.4983
Gm08	7416250	7416535	Gmdrm	hypo	CHG	-0.7739
Gm08	7416864	7416991	Gmdrm	hypo	CHG	-0.4933
Gm08	7470369	7470958	Gmdrm	hypo	CHG	-0.332
Gm08	7486693	7487131	Gmdrm	hypo	CHG	-0.0338
Gm08	7488786	7488856	Gmdrm	hypo	CHG	-0.038
Gm08	7526242	7526408	Gmdrm	hypo	CHG	-0.58
Gm08	7533976	7534091	Gmdrm	hypo	CHG	-0.546
Gm08	7539325	7540128	Gmdrm	hypo	CHG	-0.2046
Gm08	7546591	7547030	Gmdrm	hypo	CHG	-0.6606
Gm08	7547172	7547290	Gmdrm	hypo	CHG	-0.684
Gm08	7547487	7547555	Gmdrm	hypo	CHG	-0.044
Gm08	7574997	7575496	Gmdrm	hypo	CHG	-0.6031
Gm08	7576570	7576624	Gmdrm	hypo	CHG	-0.4688
Gm08	7576749	7576980	Gmdrm	hypo	CHG	-0.5925
Gm08	7607067	7607373	Gmdrm	hypo	CHG	-0.6665

Gm08	7607910	7608615 Gmdrm	hypo	CHG	-0.6329
Gm08	7619195	7619380 Gmdrm	hypo	CHG	-0.1947
Gm08	7625345	7625563 Gmdrm	hypo	CHG	-0.432
Gm08	7625834	7625944 Gmdrm	hypo	CHG	-0.652
Gm08	7635726	7635826 Gmdrm	hypo	CHG	-0.428
Gm08	7639167	7639429 Gmdrm	hypo	CHG	-0.0471
Gm08	7657357	7657473 Gmdrm	hypo	CHG	-0.636
Gm08	7686990	7687099 Gmdrm	hypo	CHG	-0.442
Gm08	7688916	7689167 Gmdrm	hypo	CHG	-0.355
Gm08	7691939	7691952 Gmdrm	hypo	CHG	-0.815
Gm08	7701793	7702102 Gmdrm	hypo	CHG	-0.15
Gm08	7709010	7709321 Gmdrm	hypo	CHG	-0.0464
Gm08	7720628	7720667 Gmdrm	hypo	CHG	-0.8383
Gm08	7743131	7743269 Gmdrm	hypo	CHG	-0.4957
Gm08	7756562	7756624 Gmdrm	hypo	CHG	-0.6083
Gm08	7761698	7761743 Gmdrm	hypo	CHG	-0.6766
Gm08	7816639	7816737 Gmdrm	hypo	CHG	-0.052
Gm08	7824354	7824591 Gmdrm	hypo	CHG	-0.39
Gm08	7824710	7825170 Gmdrm	hypo	CHG	-0.3436
Gm08	7834463	7834804 Gmdrm	hypo	CHG	-0.0482
Gm08	7864634	7864693 Gmdrm	hypo	CHG	-0.8028
Gm08	7915273	7915435 Gmdrm	hypo	CHG	-0.4676
Gm08	7916829	7917025 Gmdrm	hypo	CHG	-0.5812
Gm08	7922822	7923318 Gmdrm	hypo	CHG	-0.2484
Gm08	7933915	7934119 Gmdrm	hypo	CHG	-0.4728
Gm08	7934642	7934760 Gmdrm	hypo	CHG	-0.825
Gm08	7935999	7936130 Gmdrm	hypo	CHG	-0.07
Gm08	7943867	7944096 Gmdrm	hypo	CHG	-0.06
Gm08	8015600	8015659 Gmdrm	hypo	CHG	-0.0283
Gm08	8031043	8031217 Gmdrm	hypo	CHG	-0.8455
Gm08	8037921	8038160 Gmdrm	hypo	CHG	-0.8673
Gm08	8046785	8046797 Gmdrm	hypo	CHG	-0.04
Gm08	8052250	8052490 Gmdrm	hypo	CHG	-0.7229
Gm08	8081646	8081913 Gmdrm	hypo	CHG	-0.095
Gm08	8084352	8084504 Gmdrm	hypo	CHG	-0.07
Gm08	8099481	8099524 Gmdrm	hypo	CHG	-0.0457
Gm08	8100542	8100890 Gmdrm	hypo	CHG	-0.0445
Gm08	8131060	8131156 Gmdrm	hypo	CHG	-0.04
Gm08	8138272	8138454 Gmdrm	hypo	CHG	-0.2963
Gm08	8139647	8139943 Gmdrm	hypo	CHG	-0.285
Gm08	8154614	8154836 Gmdrm	hypo	CHG	-0.0438
Gm08	8205192	8205471 Gmdrm	hypo	CHG	-0.0586
Gm08	8221129	8221695 Gmdrm	hypo	CHG	-0.4484
Gm08	8262922	8263255 Gmdrm	hypo	CHG	-0.7184
Gm08	8263361	8263738 Gmdrm	hypo	CHG	-0.4136
Gm08	8263857	8263871 Gmdrm	hypo	CHG	-0.582

Gm08	8265625	8265769	Gmdrm	hypo	CHG	-0.0367
Gm08	8271768	8271918	Gmdrm	hypo	CHG	-0.5975
Gm08	8298700	8299132	Gmdrm	hypo	CHG	-0.0359
Gm08	8308088	8308842	Gmdrm	hypo	CHG	-0.2218
Gm08	8330745	8331561	Gmdrm	hypo	CHG	-0.2945
Gm08	8359276	8359674	Gmdrm	hypo	CHG	-0.0563
Gm08	8359836	8360096	Gmdrm	hypo	CHG	-0.038
Gm08	8399401	8399648	Gmdrm	hypo	CHG	-0.3278
Gm08	8424882	8424980	Gmdrm	hypo	CHG	-0.53
Gm08	8433880	8434027	Gmdrm	hypo	CHG	-0.7326
Gm08	8434478	8434622	Gmdrm	hypo	CHG	-0.652
Gm08	8447214	8447495	Gmdrm	hypo	CHG	-0.5989
Gm08	8447625	8447754	Gmdrm	hypo	CHG	-0.44
Gm08	8448505	8448758	Gmdrm	hypo	CHG	-0.5606
Gm08	8449390	8449798	Gmdrm	hypo	CHG	-0.625
Gm08	8455636	8455779	Gmdrm	hypo	CHG	-0.032
Gm08	8468210	8468354	Gmdrm	hypo	CHG	-0.3563
Gm08	8514808	8515049	Gmdrm	hypo	CHG	-0.8156
Gm08	8515235	8515306	Gmdrm	hypo	CHG	-0.78
Gm08	8547250	8547796	Gmdrm	hypo	CHG	-0.4563
Gm08	8567063	8567452	Gmdrm	hypo	CHG	-0.2369
Gm08	8567623	8567741	Gmdrm	hypo	CHG	-0.2545
Gm08	8568125	8568572	Gmdrm	hypo	CHG	-0.4955
Gm08	8576563	8576689	Gmdrm	hypo	CHG	-0.0967
Gm08	8591736	8591910	Gmdrm	hypo	CHG	-0.0455
Gm08	8594029	8594283	Gmdrm	hypo	CHG	-0.0309
Gm08	8594397	8594665	Gmdrm	hypo	CHG	-0.0377
Gm08	8595652	8595828	Gmdrm	hypo	CHG	-0.1009
Gm08	8607502	8607642	Gmdrm	hypo	CHG	-0.058
Gm08	8618368	8618448	Gmdrm	hypo	CHG	-0.054
Gm08	8644864	8644952	Gmdrm	hypo	CHG	-0.796
Gm08	8645062	8645298	Gmdrm	hypo	CHG	-0.5882
Gm08	8645418	8645656	Gmdrm	hypo	CHG	-0.3011
Gm08	8645785	8645970	Gmdrm	hypo	CHG	-0.4091
Gm08	8660300	8660362	Gmdrm	hypo	CHG	-0.56
Gm08	8660664	8660829	Gmdrm	hypo	CHG	-0.7969
Gm08	8661095	8661115	Gmdrm	hypo	CHG	-0.9383
Gm08	8678128	8678237	Gmdrm	hypo	CHG	-0.04
Gm08	8678508	8678624	Gmdrm	hypo	CHG	-0.0585
Gm08	8684433	8684610	Gmdrm	hypo	CHG	-0.2114
Gm08	8687983	8688140	Gmdrm	hypo	CHG	-0.0499
Gm08	8709631	8709730	Gmdrm	hypo	CHG	-0.29
Gm08	8709899	8710023	Gmdrm	hypo	CHG	-0.5285
Gm08	8717942	8718420	Gmdrm	hypo	CHG	-0.0222
Gm08	8724162	8724423	Gmdrm	hypo	CHG	-0.0557
Gm08	8730354	8730496	Gmdrm	hypo	CHG	-0.84

Gm08	8751160	8751346	Gmdrm	hypo	CHG	-0.0955
Gm08	8761438	8761711	Gmdrm	hypo	CHG	-0.1163
Gm08	8795339	8795511	Gmdrm	hypo	CHG	-0.034
Gm08	8801863	8802010	Gmdrm	hypo	CHG	-0.728
Gm08	8812782	8812958	Gmdrm	hypo	CHG	-0.6062
Gm08	8823569	8823637	Gmdrm	hypo	CHG	-0.8743
Gm08	8825233	8825472	Gmdrm	hypo	CHG	-0.0257
Gm08	8829320	8829498	Gmdrm	hypo	CHG	-0.776
Gm08	8829969	8830066	Gmdrm	hypo	CHG	-0.78
Gm08	8832876	8833085	Gmdrm	hypo	CHG	-0.9433
Gm08	8833480	8833582	Gmdrm	hypo	CHG	-0.415
Gm08	8840808	8840889	Gmdrm	hypo	CHG	-0.6824
Gm08	8867007	8867274	Gmdrm	hypo	CHG	-0.3377
Gm08	8868722	8868906	Gmdrm	hypo	CHG	-0.7086
Gm08	8871757	8871894	Gmdrm	hypo	CHG	-0.2978
Gm08	8872361	8872813	Gmdrm	hypo	CHG	-0.13
Gm08	8879333	8879605	Gmdrm	hypo	CHG	-0.6053
Gm08	8879747	8879956	Gmdrm	hypo	CHG	-0.853
Gm08	8932763	8932924	Gmdrm	hypo	CHG	-0.12
Gm08	8943151	8943320	Gmdrm	hypo	CHG	-0.6125
Gm08	8951384	8951533	Gmdrm	hypo	CHG	-0.028
Gm08	8952732	8952780	Gmdrm	hypo	CHG	-0.898
Gm08	8953236	8953281	Gmdrm	hypo	CHG	-0.792
Gm08	8953481	8953636	Gmdrm	hypo	CHG	-0.46
Gm08	8953780	8953880	Gmdrm	hypo	CHG	-0.3034
Gm08	8968399	8968471	Gmdrm	hypo	CHG	-0.82
Gm08	8968644	8968813	Gmdrm	hypo	CHG	-0.789
Gm08	9008790	9009042	Gmdrm	hypo	CHG	-0.1242
Gm08	9039392	9039491	Gmdrm	hypo	CHG	-0.8233
Gm08	9039941	9040010	Gmdrm	hypo	CHG	-0.5172
Gm08	9075123	9075410	Gmdrm	hypo	CHG	-0.0275
Gm08	9081190	9081404	Gmdrm	hypo	CHG	-0.0313
Gm08	9115886	9116049	Gmdrm	hypo	CHG	-0.746
Gm08	9116291	9116371	Gmdrm	hypo	CHG	-0.646
Gm08	9116508	9116698	Gmdrm	hypo	CHG	-0.2575
Gm08	9119443	9119676	Gmdrm	hypo	CHG	-0.476
Gm08	9157069	9157204	Gmdrm	hypo	CHG	-0.6075
Gm08	9158109	9158226	Gmdrm	hypo	CHG	-0.475
Gm08	9190048	9190198	Gmdrm	hypo	CHG	-0.928
Gm08	9193851	9194318	Gmdrm	hypo	CHG	-0.6708
Gm08	9242128	9242256	Gmdrm	hypo	CHG	-0.1372
Gm08	9242650	9242718	Gmdrm	hypo	CHG	-0.342
Gm08	9251228	9251279	Gmdrm	hypo	CHG	-0.08
Gm08	9251899	9251947	Gmdrm	hypo	CHG	-0.865
Gm08	9291568	9291603	Gmdrm	hypo	CHG	-0.4843
Gm08	9296205	9296493	Gmdrm	hypo	CHG	-0.3583

Gm08	9296626	9296666	Gmdrm	hypo	CHG	-0.7371
Gm08	9296798	9296838	Gmdrm	hypo	CHG	-0.7771
Gm08	9315719	9316343	Gmdrm	hypo	CHG	-0.205
Gm08	9316855	9316998	Gmdrm	hypo	CHG	-0.7225
Gm08	9318910	9319293	Gmdrm	hypo	CHG	-0.802
Gm08	9319868	9320218	Gmdrm	hypo	CHG	-0.6578
Gm08	9354113	9354511	Gmdrm	hypo	CHG	-0.0425
Gm08	9355742	9355896	Gmdrm	hypo	CHG	-0.058
Gm08	9357840	9357965	Gmdrm	hypo	CHG	-0.1467
Gm08	9367375	9367641	Gmdrm	hypo	CHG	-0.0743
Gm08	9374830	9374880	Gmdrm	hypo	CHG	-0.1558
Gm08	9376553	9376664	Gmdrm	hypo	CHG	-0.5717
Gm08	9383035	9383158	Gmdrm	hypo	CHG	-0.042
Gm08	9383520	9383681	Gmdrm	hypo	CHG	-0.04
Gm08	9383997	9384218	Gmdrm	hypo	CHG	-0.0383
Gm08	9384327	9384445	Gmdrm	hypo	CHG	-0.0433
Gm08	9410559	9411216	Gmdrm	hypo	CHG	-0.0346
Gm08	9420047	9420292	Gmdrm	hypo	CHG	-0.0283
Gm08	9421794	9422010	Gmdrm	hypo	CHG	-0.5656
Gm08	9437316	9437377	Gmdrm	hypo	CHG	-0.28
Gm08	9505624	9506144	Gmdrm	hypo	CHG	-0.4436
Gm08	9518349	9518623	Gmdrm	hypo	CHG	-0.687
Gm08	9521007	9521065	Gmdrm	hypo	CHG	-0.2955
Gm08	9521220	9521255	Gmdrm	hypo	CHG	-0.0942
Gm08	9523662	9523767	Gmdrm	hypo	CHG	-0.066
Gm08	9537280	9537638	Gmdrm	hypo	CHG	-0.0575
Gm08	9543222	9543411	Gmdrm	hypo	CHG	-0.4857
Gm08	9543863	9543972	Gmdrm	hypo	CHG	-0.6434
Gm08	9553828	9553971	Gmdrm	hypo	CHG	-0.8229
Gm08	9580383	9580449	Gmdrm	hypo	CHG	-0.8333
Gm08	9594743	9594945	Gmdrm	hypo	CHG	-0.2344
Gm08	9595372	9596358	Gmdrm	hypo	CHG	-0.2721
Gm08	9606918	9607144	Gmdrm	hypo	CHG	-0.3478
Gm08	9618873	9619295	Gmdrm	hypo	CHG	-0.2258
Gm08	9665121	9665359	Gmdrm	hypo	CHG	-0.076
Gm08	9665860	9666066	Gmdrm	hypo	CHG	-0.726
Gm08	9666715	9666781	Gmdrm	hypo	CHG	-0.398
Gm08	9669161	9669431	Gmdrm	hypo	CHG	-0.635
Gm08	9684519	9684721	Gmdrm	hypo	CHG	-0.205
Gm08	9732134	9732178	Gmdrm	hypo	CHG	-0.7217
Gm08	9732935	9733009	Gmdrm	hypo	CHG	-0.63
Gm08	9736425	9736440	Gmdrm	hypo	CHG	-0.47
Gm08	9741450	9741877	Gmdrm	hypo	CHG	-0.2963
Gm08	9743456	9743506	Gmdrm	hypo	CHG	-0.1275
Gm08	9784550	9784653	Gmdrm	hypo	CHG	-0.8633
Gm08	9784806	9784888	Gmdrm	hypo	CHG	-0.76

Gm08	9798937	9799326	Gmdrm	hypo	CHG	-0.2243
Gm08	9801945	9802933	Gmdrm	hypo	CHG	-0.2313
Gm08	9805657	9805746	Gmdrm	hypo	CHG	-0.0567
Gm08	9817681	9817924	Gmdrm	hypo	CHG	-0.1992
Gm08	9830556	9830899	Gmdrm	hypo	CHG	-0.6784
Gm08	9848519	9848647	Gmdrm	hypo	CHG	-0.3125
Gm08	9848949	9848980	Gmdrm	hypo	CHG	-0.252
Gm08	9853597	9853822	Gmdrm	hypo	CHG	-0.355
Gm08	9864012	9864439	Gmdrm	hypo	CHG	-0.031
Gm08	9900836	9901202	Gmdrm	hypo	CHG	-0.3628
Gm08	9909586	9909742	Gmdrm	hypo	CHG	-0.122
Gm08	9916386	9916509	Gmdrm	hypo	CHG	-0.032
Gm08	9933429	9933508	Gmdrm	hypo	CHG	-0.1275
Gm08	9945986	9946066	Gmdrm	hypo	CHG	-0.045
Gm08	9956598	9957042	Gmdrm	hypo	CHG	-0.2468
Gm08	9958114	9958216	Gmdrm	hypo	CHG	-0.6733
Gm08	10096752	10096963	Gmdrm	hypo	CHG	-0.4563
Gm08	10097628	10097699	Gmdrm	hypo	CHG	-0.6743
Gm08	10097806	10098507	Gmdrm	hypo	CHG	-0.5036
Gm08	10138767	10138962	Gmdrm	hypo	CHG	-0.7214
Gm08	10139752	10139978	Gmdrm	hypo	CHG	-0.76
Gm08	10151014	10151193	Gmdrm	hypo	CHG	-0.7431
Gm08	10159211	10159415	Gmdrm	hypo	CHG	-0.2871
Gm08	10161482	10161731	Gmdrm	hypo	CHG	-0.0506
Gm08	10183252	10183529	Gmdrm	hypo	CHG	-0.3931
Gm08	10193852	10193959	Gmdrm	hypo	CHG	-0.484
Gm08	10197265	10197498	Gmdrm	hypo	CHG	-0.72
Gm08	10231333	10231712	Gmdrm	hypo	CHG	-0.0233
Gm08	10233628	10233760	Gmdrm	hypo	CHG	-0.0283
Gm08	10244737	10244955	Gmdrm	hypo	CHG	-0.7174
Gm08	10245756	10245973	Gmdrm	hypo	CHG	-0.6557
Gm08	10284590	10284843	Gmdrm	hypo	CHG	-0.566
Gm08	10311745	10311899	Gmdrm	hypo	CHG	-0.5
Gm08	10343987	10344266	Gmdrm	hypo	CHG	-0.0712
Gm08	10346578	10346696	Gmdrm	hypo	CHG	-0.088
Gm08	10366653	10366844	Gmdrm	hypo	CHG	-0.834
Gm08	10367037	10367155	Gmdrm	hypo	CHG	-0.9034
Gm08	10369714	10369892	Gmdrm	hypo	CHG	-0.7101
Gm08	10405258	10405352	Gmdrm	hypo	CHG	-0.0183
Gm08	10410216	10410379	Gmdrm	hypo	CHG	-0.0314
Gm08	10419362	10419651	Gmdrm	hypo	CHG	-0.3274
Gm08	10421956	10422055	Gmdrm	hypo	CHG	-0.052
Gm08	10426068	10426248	Gmdrm	hypo	CHG	-0.3167
Gm08	10443699	10443900	Gmdrm	hypo	CHG	-0.046
Gm08	10456290	10456452	Gmdrm	hypo	CHG	-0.6125
Gm08	10479233	10479430	Gmdrm	hypo	CHG	-0.4493

Gm08	10479874	10480021	Gmdrm	hypo	CHG	-0.388
Gm08	10494931	10495015	Gmdrm	hypo	CHG	-0.1657
Gm08	10498427	10498567	Gmdrm	hypo	CHG	-0.054
Gm08	10502778	10503051	Gmdrm	hypo	CHG	-0.51
Gm08	10523738	10524333	Gmdrm	hypo	CHG	-0.4897
Gm08	10525724	10525887	Gmdrm	hypo	CHG	-0.0423
Gm08	10550058	10551047	Gmdrm	hypo	CHG	-0.3274
Gm08	10553759	10553981	Gmdrm	hypo	CHG	-0.7106
Gm08	10585601	10585633	Gmdrm	hypo	CHG	-0.856
Gm08	10587271	10587360	Gmdrm	hypo	CHG	-0.6087
Gm08	10595968	10596155	Gmdrm	hypo	CHG	-0.8893
Gm08	10596256	10596481	Gmdrm	hypo	CHG	-0.9331
Gm08	10596725	10597467	Gmdrm	hypo	CHG	-0.1717
Gm08	10602212	10602822	Gmdrm	hypo	CHG	-0.2279
Gm08	10643837	10643940	Gmdrm	hypo	CHG	-0.518
Gm08	10699020	10699199	Gmdrm	hypo	CHG	-0.6295
Gm08	10711387	10711557	Gmdrm	hypo	CHG	-0.3454
Gm08	10713417	10713585	Gmdrm	hypo	CHG	-0.08
Gm08	10726467	10727061	Gmdrm	hypo	CHG	-0.0475
Gm08	10736034	10736121	Gmdrm	hypo	CHG	-0.7134
Gm08	10736924	10737238	Gmdrm	hypo	CHG	-0.0443
Gm08	10771643	10771726	Gmdrm	hypo	CHG	-0.044
Gm08	10789423	10789729	Gmdrm	hypo	CHG	-0.124
Gm08	10797883	10798011	Gmdrm	hypo	CHG	-0.4183
Gm08	10798734	10798808	Gmdrm	hypo	CHG	-0.466
Gm08	10825085	10825175	Gmdrm	hypo	CHG	-0.9546
Gm08	10838777	10838986	Gmdrm	hypo	CHG	-0.09
Gm08	10874522	10874689	Gmdrm	hypo	CHG	-0.032
Gm08	10876094	10876174	Gmdrm	hypo	CHG	-0.028
Gm08	10877647	10877685	Gmdrm	hypo	CHG	-0.512
Gm08	10877888	10878238	Gmdrm	hypo	CHG	-0.7279
Gm08	10878614	10878645	Gmdrm	hypo	CHG	-0.47
Gm08	10878771	10878958	Gmdrm	hypo	CHG	-0.222
Gm08	10887831	10888150	Gmdrm	hypo	CHG	-0.3139
Gm08	10889261	10889274	Gmdrm	hypo	CHG	-0.5384
Gm08	10910878	10911328	Gmdrm	hypo	CHG	-0.03
Gm08	10918997	10919196	Gmdrm	hypo	CHG	-0.7878
Gm08	10919670	10920027	Gmdrm	hypo	CHG	-0.4487
Gm08	10936190	10936466	Gmdrm	hypo	CHG	-0.713
Gm08	10946982	10947519	Gmdrm	hypo	CHG	-0.0225
Gm08	10972088	10972222	Gmdrm	hypo	CHG	-0.8438
Gm08	10972669	10972926	Gmdrm	hypo	CHG	-0.711
Gm08	10973583	10973684	Gmdrm	hypo	CHG	-0.674
Gm08	10979310	10979474	Gmdrm	hypo	CHG	-0.042
Gm08	11010878	11011279	Gmdrm	hypo	CHG	-0.628
Gm08	11042101	11042330	Gmdrm	hypo	CHG	-0.55

Gm08	11043245	11043405	Gmdrm	hypo	CHG	-0.8377
Gm08	11058511	11058586	Gmdrm	hypo	CHG	-0.3584
Gm08	11075001	11075292	Gmdrm	hypo	CHG	-0.2284
Gm08	11075432	11075788	Gmdrm	hypo	CHG	-0.6054
Gm08	11078354	11078691	Gmdrm	hypo	CHG	-0.0486
Gm08	11099931	11100146	Gmdrm	hypo	CHG	-0.729
Gm08	11114357	11114508	Gmdrm	hypo	CHG	-0.0328
Gm08	11171738	11171813	Gmdrm	hypo	CHG	-0.555
Gm08	11172204	11172438	Gmdrm	hypo	CHG	-0.2386
Gm08	11174574	11174856	Gmdrm	hypo	CHG	-0.0414
Gm08	11184697	11184790	Gmdrm	hypo	CHG	-0.8413
Gm08	11184891	11185419	Gmdrm	hypo	CHG	-0.5244
Gm08	11186961	11187099	Gmdrm	hypo	CHG	-0.7557
Gm08	11187511	11187733	Gmdrm	hypo	CHG	-0.4822
Gm08	11187874	11188200	Gmdrm	hypo	CHG	-0.5904
Gm08	11192882	11192970	Gmdrm	hypo	CHG	-0.2571
Gm08	11194781	11194959	Gmdrm	hypo	CHG	-0.695
Gm08	11215283	11215358	Gmdrm	hypo	CHG	-0.088
Gm08	11215839	11215927	Gmdrm	hypo	CHG	-0.8984
Gm08	11216036	11216115	Gmdrm	hypo	CHG	-0.8133
Gm08	11221446	11221771	Gmdrm	hypo	CHG	-0.0316
Gm08	11228441	11228469	Gmdrm	hypo	CHG	-0.088
Gm08	11239533	11239817	Gmdrm	hypo	CHG	-0.6492
Gm08	11261924	11262168	Gmdrm	hypo	CHG	-0.08
Gm08	11274528	11274898	Gmdrm	hypo	CHG	-0.4212
Gm08	11320671	11320934	Gmdrm	hypo	CHG	-0.4729
Gm08	11321046	11321225	Gmdrm	hypo	CHG	-0.3686
Gm08	11325180	11325426	Gmdrm	hypo	CHG	-0.289
Gm08	11328980	11329019	Gmdrm	hypo	CHG	-0.1
Gm08	11329542	11329617	Gmdrm	hypo	CHG	-0.3972
Gm08	11341195	11341317	Gmdrm	hypo	CHG	-0.7967
Gm08	11341607	11341670	Gmdrm	hypo	CHG	-0.8699
Gm08	11354491	11354689	Gmdrm	hypo	CHG	-0.816
Gm08	11354805	11355095	Gmdrm	hypo	CHG	-0.6875
Gm08	11355449	11355713	Gmdrm	hypo	CHG	-0.8421
Gm08	11356588	11356855	Gmdrm	hypo	CHG	-0.8741
Gm08	11357096	11357270	Gmdrm	hypo	CHG	-0.4358
Gm08	11379756	11379909	Gmdrm	hypo	CHG	-0.58
Gm08	11380660	11380970	Gmdrm	hypo	CHG	-0.9284
Gm08	11381902	11382206	Gmdrm	hypo	CHG	-0.5709
Gm08	11389946	11390057	Gmdrm	hypo	CHG	-0.5263
Gm08	11390997	11391424	Gmdrm	hypo	CHG	-0.2573
Gm08	11404893	11404912	Gmdrm	hypo	CHG	-0.2084
Gm08	11421499	11421915	Gmdrm	hypo	CHG	-0.0429
Gm08	11431737	11431939	Gmdrm	hypo	CHG	-0.6525
Gm08	11463671	11463939	Gmdrm	hypo	CHG	-0.734

Gm08	11504660	11504761	Gmdrm	hypo	CHG	-0.3233
Gm08	11507241	11507359	Gmdrm	hypo	CHG	-0.3614
Gm08	11511610	11512107	Gmdrm	hypo	CHG	-0.3497
Gm08	11545243	11545911	Gmdrm	hypo	CHG	-0.0523
Gm08	11548003	11548109	Gmdrm	hypo	CHG	-0.2893
Gm08	11561438	11561534	Gmdrm	hypo	CHG	-0.16
Gm08	11561984	11562099	Gmdrm	hypo	CHG	-0.7486
Gm08	11565758	11566087	Gmdrm	hypo	CHG	-0.2217
Gm08	11566871	11566992	Gmdrm	hypo	CHG	-0.038
Gm08	11587074	11587431	Gmdrm	hypo	CHG	-0.4623
Gm08	11587633	11588022	Gmdrm	hypo	CHG	-0.2565
Gm08	11601103	11601248	Gmdrm	hypo	CHG	-0.064
Gm08	11611033	11611145	Gmdrm	hypo	CHG	-0.106
Gm08	11617220	11617461	Gmdrm	hypo	CHG	-0.389
Gm08	11622900	11622938	Gmdrm	hypo	CHG	-0.8157
Gm08	11641433	11641541	Gmdrm	hypo	CHG	-0.258
Gm08	11669608	11669813	Gmdrm	hypo	CHG	-0.5557
Gm08	11695262	11695451	Gmdrm	hypo	CHG	-0.577
Gm08	11696019	11696092	Gmdrm	hypo	CHG	-0.5757
Gm08	11719424	11719539	Gmdrm	hypo	CHG	-0.0575
Gm08	11736326	11736604	Gmdrm	hypo	CHG	-0.0326
Gm08	11739845	11740032	Gmdrm	hypo	CHG	-0.5188
Gm08	11756963	11757091	Gmdrm	hypo	CHG	-0.5151
Gm08	11757988	11758112	Gmdrm	hypo	CHG	-0.2457
Gm08	11767016	11767090	Gmdrm	hypo	CHG	-0.044
Gm08	11772196	11772233	Gmdrm	hypo	CHG	-0.4817
Gm08	11772470	11772624	Gmdrm	hypo	CHG	-0.0374
Gm08	11783329	11783847	Gmdrm	hypo	CHG	-0.0478
Gm08	11789176	11789289	Gmdrm	hypo	CHG	-0.8188
Gm08	11789566	11789636	Gmdrm	hypo	CHG	-0.6917
Gm08	11793269	11793442	Gmdrm	hypo	CHG	-0.0514
Gm08	11810595	11810919	Gmdrm	hypo	CHG	-0.115
Gm08	11818869	11818889	Gmdrm	hypo	CHG	-0.765
Gm08	11819825	11819855	Gmdrm	hypo	CHG	-0.4083
Gm08	11838839	11838914	Gmdrm	hypo	CHG	-0.712
Gm08	11839076	11839145	Gmdrm	hypo	CHG	-0.3566
Gm08	11847712	11847883	Gmdrm	hypo	CHG	-0.6014
Gm08	11848417	11848494	Gmdrm	hypo	CHG	-0.887
Gm08	11851264	11851358	Gmdrm	hypo	CHG	-0.1684
Gm08	11851875	11851992	Gmdrm	hypo	CHG	-0.59
Gm08	11852294	11852637	Gmdrm	hypo	CHG	-0.4195
Gm08	11859352	11859628	Gmdrm	hypo	CHG	-0.0877
Gm08	11860305	11860443	Gmdrm	hypo	CHG	-0.115
Gm08	11860767	11860847	Gmdrm	hypo	CHG	-0.55
Gm08	11861390	11861501	Gmdrm	hypo	CHG	-0.0867
Gm08	11881011	11881289	Gmdrm	hypo	CHG	-0.6078

Gm08	11882983	11883008	Gmdrm	hypo	CHG	-0.17
Gm08	11906017	11906093	Gmdrm	hypo	CHG	-0.438
Gm08	11912839	11913216	Gmdrm	hypo	CHG	-0.27
Gm08	11938562	11938681	Gmdrm	hypo	CHG	-0.57
Gm08	11959246	11959517	Gmdrm	hypo	CHG	-0.04
Gm08	11961929	11962061	Gmdrm	hypo	CHG	-0.07
Gm08	11997943	11998039	Gmdrm	hypo	CHG	-0.6634
Gm08	12012769	12013239	Gmdrm	hypo	CHG	-0.0686
Gm08	12017983	12018029	Gmdrm	hypo	CHG	-0.9417
Gm08	12018212	12018451	Gmdrm	hypo	CHG	-0.6033
Gm08	12020508	12020585	Gmdrm	hypo	CHG	-0.694
Gm08	12031782	12031898	Gmdrm	hypo	CHG	-0.6767
Gm08	12034360	12034400	Gmdrm	hypo	CHG	-0.8663
Gm08	12036178	12036568	Gmdrm	hypo	CHG	-0.0489
Gm08	12043247	12043457	Gmdrm	hypo	CHG	-0.6878
Gm08	12049657	12050258	Gmdrm	hypo	CHG	-0.2444
Gm08	12059977	12060958	Gmdrm	hypo	CHG	-0.2545
Gm08	12061029	12061350	Gmdrm	hypo	CHG	-0.5086
Gm08	12065788	12066300	Gmdrm	hypo	CHG	-0.1792
Gm08	12066881	12067559	Gmdrm	hypo	CHG	-0.6507
Gm08	12070140	12070438	Gmdrm	hypo	CHG	-0.6447
Gm08	12072849	12072871	Gmdrm	hypo	CHG	-0.085
Gm08	12078043	12078088	Gmdrm	hypo	CHG	-0.7
Gm08	12090590	12090760	Gmdrm	hypo	CHG	-0.2618
Gm08	12095569	12096482	Gmdrm	hypo	CHG	-0.2431
Gm08	12097793	12098092	Gmdrm	hypo	CHG	-0.5033
Gm08	12110544	12111083	Gmdrm	hypo	CHG	-0.0289
Gm08	12112840	12113499	Gmdrm	hypo	CHG	-0.1921
Gm08	12115974	12116145	Gmdrm	hypo	CHG	-0.06
Gm08	12137288	12137508	Gmdrm	hypo	CHG	-0.4831
Gm08	12145221	12145460	Gmdrm	hypo	CHG	-0.0291
Gm08	12180062	12180475	Gmdrm	hypo	CHG	-0.0346
Gm08	12192194	12192374	Gmdrm	hypo	CHG	-0.4438
Gm08	12192487	12193080	Gmdrm	hypo	CHG	-0.4832
Gm08	12197524	12197817	Gmdrm	hypo	CHG	-0.0377
Gm08	12200056	12200233	Gmdrm	hypo	CHG	-0.288
Gm08	12208812	12209543	Gmdrm	hypo	CHG	-0.0954
Gm08	12211943	12212387	Gmdrm	hypo	CHG	-0.5012
Gm08	12213026	12213171	Gmdrm	hypo	CHG	-0.4349
Gm08	12213330	12213386	Gmdrm	hypo	CHG	-0.7317
Gm08	12231215	12231312	Gmdrm	hypo	CHG	-0.7367
Gm08	12239992	12240573	Gmdrm	hypo	CHG	-0.2125
Gm08	12267442	12267619	Gmdrm	hypo	CHG	-0.04
Gm08	12272074	12272154	Gmdrm	hypo	CHG	-0.0567
Gm08	12272257	12272406	Gmdrm	hypo	CHG	-0.044
Gm08	12304443	12304546	Gmdrm	hypo	CHG	-0.044

Gm08	12318228	12318381	Gmdrm	hypo	CHG	-0.7372
Gm08	12318494	12318624	Gmdrm	hypo	CHG	-0.667
Gm08	12318852	12318972	Gmdrm	hypo	CHG	-0.76
Gm08	12324257	12324463	Gmdrm	hypo	CHG	-0.3786
Gm08	12333302	12333481	Gmdrm	hypo	CHG	-0.6245
Gm08	12335878	12336103	Gmdrm	hypo	CHG	-0.0513
Gm08	12338627	12338756	Gmdrm	hypo	CHG	-0.6645
Gm08	12339463	12339863	Gmdrm	hypo	CHG	-0.2947
Gm08	12340201	12340544	Gmdrm	hypo	CHG	-0.6933
Gm08	12352142	12352541	Gmdrm	hypo	CHG	-0.176
Gm08	12357450	12357706	Gmdrm	hypo	CHG	-0.7127
Gm08	12357854	12357996	Gmdrm	hypo	CHG	-0.7734
Gm08	12359989	12360346	Gmdrm	hypo	CHG	-0.4505
Gm08	12362181	12362699	Gmdrm	hypo	CHG	-0.5919
Gm08	12362962	12363091	Gmdrm	hypo	CHG	-0.8808
Gm08	12367794	12367916	Gmdrm	hypo	CHG	-0.702
Gm08	12368181	12368388	Gmdrm	hypo	CHG	-0.8193
Gm08	12387055	12387080	Gmdrm	hypo	CHG	-0.114
Gm08	12406903	12406923	Gmdrm	hypo	CHG	-0.854
Gm08	12407215	12407337	Gmdrm	hypo	CHG	-0.8022
Gm08	12407587	12407680	Gmdrm	hypo	CHG	-0.626
Gm08	12419650	12419960	Gmdrm	hypo	CHG	-0.585
Gm08	12421854	12422014	Gmdrm	hypo	CHG	-0.036
Gm08	12432120	12432865	Gmdrm	hypo	CHG	-0.1564
Gm08	12432980	12433147	Gmdrm	hypo	CHG	-0.249
Gm08	12441029	12441401	Gmdrm	hypo	CHG	-0.0667
Gm08	12450609	12450754	Gmdrm	hypo	CHG	-0.15
Gm08	12456554	12456764	Gmdrm	hypo	CHG	-0.2118
Gm08	12465011	12465340	Gmdrm	hypo	CHG	-0.0286
Gm08	12471144	12471222	Gmdrm	hypo	CHG	-0.067
Gm08	12479076	12479376	Gmdrm	hypo	CHG	-0.0699
Gm08	12482353	12482598	Gmdrm	hypo	CHG	-0.355
Gm08	12484672	12484892	Gmdrm	hypo	CHG	-0.0837
Gm08	12488973	12489093	Gmdrm	hypo	CHG	-0.062
Gm08	12500730	12500858	Gmdrm	hypo	CHG	-0.0433
Gm08	12511759	12512076	Gmdrm	hypo	CHG	-0.658
Gm08	12518645	12518743	Gmdrm	hypo	CHG	-0.49
Gm08	12536724	12536881	Gmdrm	hypo	CHG	-0.7908
Gm08	12541116	12542054	Gmdrm	hypo	CHG	-0.1445
Gm08	12542122	12542253	Gmdrm	hypo	CHG	-0.4467
Gm08	12558127	12558194	Gmdrm	hypo	CHG	-0.455
Gm08	12573317	12573395	Gmdrm	hypo	CHG	-0.538
Gm08	12581651	12581769	Gmdrm	hypo	CHG	-0.7244
Gm08	12591231	12591453	Gmdrm	hypo	CHG	-0.0533
Gm08	12600147	12600285	Gmdrm	hypo	CHG	-0.04
Gm08	12612888	12613008	Gmdrm	hypo	CHG	-0.04

Gm08	12613161	12613786	Gmdrm	hypo	CHG	-0.0206
Gm08	12621693	12621830	Gmdrm	hypo	CHG	-0.6
Gm08	12625150	12625183	Gmdrm	hypo	CHG	-0.1583
Gm08	12639752	12639887	Gmdrm	hypo	CHG	-0.3457
Gm08	12640563	12640619	Gmdrm	hypo	CHG	-0.8572
Gm08	12667615	12667879	Gmdrm	hypo	CHG	-0.4761
Gm08	12667992	12668048	Gmdrm	hypo	CHG	-0.362
Gm08	12668798	12668833	Gmdrm	hypo	CHG	-0.795
Gm08	12668967	12669025	Gmdrm	hypo	CHG	-0.73
Gm08	12678757	12678785	Gmdrm	hypo	CHG	-0.294
Gm08	12679335	12679469	Gmdrm	hypo	CHG	-0.59
Gm08	12688266	12688425	Gmdrm	hypo	CHG	-0.8691
Gm08	12692063	12692082	Gmdrm	hypo	CHG	-0.7933
Gm08	12692307	12692412	Gmdrm	hypo	CHG	-0.7584
Gm08	12706115	12706277	Gmdrm	hypo	CHG	-0.4614
Gm08	12706812	12706935	Gmdrm	hypo	CHG	-0.9067
Gm08	12707113	12707209	Gmdrm	hypo	CHG	-0.74
Gm08	12713256	12713389	Gmdrm	hypo	CHG	-0.2763
Gm08	12715262	12715407	Gmdrm	hypo	CHG	-0.2512
Gm08	12721480	12721681	Gmdrm	hypo	CHG	-0.7267
Gm08	12721980	12722286	Gmdrm	hypo	CHG	-0.9034
Gm08	12752003	12752118	Gmdrm	hypo	CHG	-0.058
Gm08	12761433	12761737	Gmdrm	hypo	CHG	-0.0838
Gm08	12764686	12764816	Gmdrm	hypo	CHG	-0.66
Gm08	12765759	12765838	Gmdrm	hypo	CHG	-0.514
Gm08	12788079	12788135	Gmdrm	hypo	CHG	-0.0743
Gm08	12788859	12788935	Gmdrm	hypo	CHG	-0.052
Gm08	12789080	12789307	Gmdrm	hypo	CHG	-0.5674
Gm08	12806859	12807251	Gmdrm	hypo	CHG	-0.775
Gm08	12811333	12811454	Gmdrm	hypo	CHG	-0.0643
Gm08	12828090	12828275	Gmdrm	hypo	CHG	-0.0514
Gm08	12885548	12885648	Gmdrm	hypo	CHG	-0.264
Gm08	12886186	12886294	Gmdrm	hypo	CHG	-0.476
Gm08	12900984	12901264	Gmdrm	hypo	CHG	-0.3584
Gm08	12901784	12902173	Gmdrm	hypo	CHG	-0.4238
Gm08	12909323	12909447	Gmdrm	hypo	CHG	-0.61
Gm08	12909763	12909903	Gmdrm	hypo	CHG	-0.7723
Gm08	12940629	12940772	Gmdrm	hypo	CHG	-0.5116
Gm08	12973796	12973916	Gmdrm	hypo	CHG	-0.45
Gm08	12996042	12996171	Gmdrm	hypo	CHG	-0.2875
Gm08	12996276	12996420	Gmdrm	hypo	CHG	-0.4083
Gm08	13005178	13005355	Gmdrm	hypo	CHG	-0.63
Gm08	13007087	13007183	Gmdrm	hypo	CHG	-0.505
Gm08	13007744	13007858	Gmdrm	hypo	CHG	-0.15
Gm08	13009964	13010079	Gmdrm	hypo	CHG	-0.78
Gm08	13018321	13018469	Gmdrm	hypo	CHG	-0.7

Gm08	13024033	13024152	Gmdrm	hypo	CHG	-0.048
Gm08	13025540	13025704	Gmdrm	hypo	CHG	-0.038
Gm08	13027041	13027800	Gmdrm	hypo	CHG	-0.19
Gm08	13029155	13029375	Gmdrm	hypo	CHG	-0.0377
Gm08	13067306	13067390	Gmdrm	hypo	CHG	-0.7686
Gm08	13091499	13091589	Gmdrm	hypo	CHG	-0.607
Gm08	13091694	13091907	Gmdrm	hypo	CHG	-0.035
Gm08	13097572	13098044	Gmdrm	hypo	CHG	-0.6408
Gm08	13114138	13114372	Gmdrm	hypo	CHG	-0.4869
Gm08	13114706	13114856	Gmdrm	hypo	CHG	-0.627
Gm08	13115038	13115192	Gmdrm	hypo	CHG	-0.775
Gm08	13149503	13149645	Gmdrm	hypo	CHG	-0.82
Gm08	13171306	13171654	Gmdrm	hypo	CHG	-0.9141
Gm08	13174351	13174443	Gmdrm	hypo	CHG	-0.035
Gm08	13200746	13201738	Gmdrm	hypo	CHG	-0.3531
Gm08	13202270	13202635	Gmdrm	hypo	CHG	-0.409
Gm08	13203019	13203119	Gmdrm	hypo	CHG	-0.044
Gm08	13208017	13208192	Gmdrm	hypo	CHG	-0.4243
Gm08	13232065	13232215	Gmdrm	hypo	CHG	-0.1371
Gm08	13234123	13234152	Gmdrm	hypo	CHG	-0.7
Gm08	13234536	13234671	Gmdrm	hypo	CHG	-0.2509
Gm08	13235156	13235476	Gmdrm	hypo	CHG	-0.7032
Gm08	13239285	13239513	Gmdrm	hypo	CHG	-0.044
Gm08	13242029	13242362	Gmdrm	hypo	CHG	-0.5275
Gm08	13247019	13247097	Gmdrm	hypo	CHG	-0.055
Gm08	13280121	13280270	Gmdrm	hypo	CHG	-0.2378
Gm08	13280849	13280907	Gmdrm	hypo	CHG	-0.38
Gm08	13300342	13300753	Gmdrm	hypo	CHG	-0.1428
Gm08	13313426	13313546	Gmdrm	hypo	CHG	-0.444
Gm08	13319280	13319341	Gmdrm	hypo	CHG	-0.028
Gm08	13331504	13331584	Gmdrm	hypo	CHG	-0.2583
Gm08	13332255	13332418	Gmdrm	hypo	CHG	-0.2529
Gm08	13386668	13386730	Gmdrm	hypo	CHG	-0.538
Gm08	13430004	13430296	Gmdrm	hypo	CHG	-0.6818
Gm08	13430408	13430493	Gmdrm	hypo	CHG	-0.7338
Gm08	13435632	13435835	Gmdrm	hypo	CHG	-0.2443
Gm08	13438441	13438533	Gmdrm	hypo	CHG	-0.31
Gm08	13438642	13438673	Gmdrm	hypo	CHG	-0.362
Gm08	13441858	13441950	Gmdrm	hypo	CHG	-0.366
Gm08	13446840	13447044	Gmdrm	hypo	CHG	-0.8028
Gm08	13447462	13447712	Gmdrm	hypo	CHG	-0.81
Gm08	13449325	13450162	Gmdrm	hypo	CHG	-0.2555
Gm08	13452568	13452836	Gmdrm	hypo	CHG	-0.39
Gm08	13455409	13455594	Gmdrm	hypo	CHG	-0.07
Gm08	13475121	13475418	Gmdrm	hypo	CHG	-0.38
Gm08	13476492	13476723	Gmdrm	hypo	CHG	-0.175

Gm08	13478794	13478986	Gmdrm	hypo	CHG	-0.28
Gm08	13507360	13507563	Gmdrm	hypo	CHG	-0.2408
Gm08	13515083	13515215	Gmdrm	hypo	CHG	-0.2071
Gm08	13517691	13517800	Gmdrm	hypo	CHG	-0.1067
Gm08	13518372	13518466	Gmdrm	hypo	CHG	-0.58
Gm08	13529015	13529160	Gmdrm	hypo	CHG	-0.1157
Gm08	13530512	13530807	Gmdrm	hypo	CHG	-0.0571
Gm08	13532115	13532214	Gmdrm	hypo	CHG	-0.752
Gm08	13534963	13535407	Gmdrm	hypo	CHG	-0.7189
Gm08	13566033	13566543	Gmdrm	hypo	CHG	-0.0989
Gm08	13581905	13582392	Gmdrm	hypo	CHG	-0.2712
Gm08	13582578	13582681	Gmdrm	hypo	CHG	-0.6811
Gm08	13587697	13588058	Gmdrm	hypo	CHG	-0.648
Gm08	13594270	13594312	Gmdrm	hypo	CHG	-0.9678
Gm08	13594746	13594904	Gmdrm	hypo	CHG	-0.5262
Gm08	13604161	13604264	Gmdrm	hypo	CHG	-0.6483
Gm08	13604605	13605011	Gmdrm	hypo	CHG	-0.5196
Gm08	13633021	13633084	Gmdrm	hypo	CHG	-0.052
Gm08	13645463	13645945	Gmdrm	hypo	CHG	-0.8872
Gm08	13647002	13647128	Gmdrm	hypo	CHG	-0.05
Gm08	13651014	13651091	Gmdrm	hypo	CHG	-0.2883
Gm08	13678516	13678666	Gmdrm	hypo	CHG	-0.2833
Gm08	13678799	13678916	Gmdrm	hypo	CHG	-0.204
Gm08	13681738	13681844	Gmdrm	hypo	CHG	-0.5666
Gm08	13691700	13692077	Gmdrm	hypo	CHG	-0.3019
Gm08	13698222	13698630	Gmdrm	hypo	CHG	-0.6132
Gm08	13703851	13704379	Gmdrm	hypo	CHG	-0.2411
Gm08	13704514	13704668	Gmdrm	hypo	CHG	-0.436
Gm08	13717799	13718051	Gmdrm	hypo	CHG	-0.0314
Gm08	13721119	13721444	Gmdrm	hypo	CHG	-0.4741
Gm08	13722273	13722304	Gmdrm	hypo	CHG	-0.8717
Gm08	13733549	13733893	Gmdrm	hypo	CHG	-0.7645
Gm08	13734313	13734467	Gmdrm	hypo	CHG	-0.7472
Gm08	13761210	13761312	Gmdrm	hypo	CHG	-0.65
Gm08	13761526	13761634	Gmdrm	hypo	CHG	-0.7228
Gm08	13781550	13781675	Gmdrm	hypo	CHG	-0.1393
Gm08	13813721	13813900	Gmdrm	hypo	CHG	-0.065
Gm08	13817988	13818065	Gmdrm	hypo	CHG	-0.5283
Gm08	13833594	13833927	Gmdrm	hypo	CHG	-0.7231
Gm08	13851394	13851623	Gmdrm	hypo	CHG	-0.7941
Gm08	13855342	13855685	Gmdrm	hypo	CHG	-0.4846
Gm08	13866612	13866876	Gmdrm	hypo	CHG	-0.05
Gm08	13896753	13896875	Gmdrm	hypo	CHG	-0.8975
Gm08	13898511	13898669	Gmdrm	hypo	CHG	-0.8357
Gm08	13899137	13899294	Gmdrm	hypo	CHG	-0.695
Gm08	13926243	13926399	Gmdrm	hypo	CHG	-0.7062

Gm08	13943722	13943897	Gmdrm	hypo	CHG	-0.64
Gm08	13944003	13944449	Gmdrm	hypo	CHG	-0.7057
Gm08	13944550	13944778	Gmdrm	hypo	CHG	-0.3828
Gm08	13967032	13967162	Gmdrm	hypo	CHG	-0.036
Gm08	13975972	13976305	Gmdrm	hypo	CHG	-0.0487
Gm08	13989699	13990066	Gmdrm	hypo	CHG	-0.867
Gm08	13990176	13990281	Gmdrm	hypo	CHG	-0.1328
Gm08	13991742	13991868	Gmdrm	hypo	CHG	-0.2833
Gm08	14007902	14008240	Gmdrm	hypo	CHG	-0.0336
Gm08	14024563	14024928	Gmdrm	hypo	CHG	-0.7037
Gm08	14028701	14028834	Gmdrm	hypo	CHG	-0.565
Gm08	14041817	14041898	Gmdrm	hypo	CHG	-0.7317
Gm08	14054239	14054362	Gmdrm	hypo	CHG	-0.7417
Gm08	14073531	14073744	Gmdrm	hypo	CHG	-0.0586
Gm08	14075496	14075697	Gmdrm	hypo	CHG	-0.794
Gm08	14094815	14094967	Gmdrm	hypo	CHG	-0.21
Gm08	14099940	14100358	Gmdrm	hypo	CHG	-0.3839
Gm08	14103522	14103543	Gmdrm	hypo	CHG	-0.486
Gm08	14105645	14105835	Gmdrm	hypo	CHG	-0.248
Gm08	14107886	14108019	Gmdrm	hypo	CHG	-0.0467
Gm08	14116190	14116436	Gmdrm	hypo	CHG	-0.21
Gm08	14130856	14131079	Gmdrm	hypo	CHG	-0.8836
Gm08	14136971	14137324	Gmdrm	hypo	CHG	-0.0354
Gm08	14139518	14139760	Gmdrm	hypo	CHG	-0.0783
Gm08	14160307	14160531	Gmdrm	hypo	CHG	-0.615
Gm08	14162742	14163103	Gmdrm	hypo	CHG	-0.873
Gm08	14183192	14183687	Gmdrm	hypo	CHG	-0.575
Gm08	14183794	14183974	Gmdrm	hypo	CHG	-0.3488
Gm08	14188871	14189028	Gmdrm	hypo	CHG	-0.032
Gm08	14194276	14194580	Gmdrm	hypo	CHG	-0.4194
Gm08	14194915	14194980	Gmdrm	hypo	CHG	-0.236
Gm08	14200421	14200466	Gmdrm	hypo	CHG	-0.495
Gm08	14204237	14204383	Gmdrm	hypo	CHG	-0.3729
Gm08	14209965	14210072	Gmdrm	hypo	CHG	-0.0914
Gm08	14211711	14211768	Gmdrm	hypo	CHG	-0.612
Gm08	14212074	14212220	Gmdrm	hypo	CHG	-0.1043
Gm08	14225059	14225309	Gmdrm	hypo	CHG	-0.0557
Gm08	14248198	14249044	Gmdrm	hypo	CHG	-0.6916
Gm08	14249224	14249304	Gmdrm	hypo	CHG	-0.7312
Gm08	14256406	14256581	Gmdrm	hypo	CHG	-0.4933
Gm08	14256817	14257185	Gmdrm	hypo	CHG	-0.6072
Gm08	14257395	14257473	Gmdrm	hypo	CHG	-0.58
Gm08	14257991	14258056	Gmdrm	hypo	CHG	-0.4967
Gm08	14258270	14258443	Gmdrm	hypo	CHG	-0.734
Gm08	14267145	14267282	Gmdrm	hypo	CHG	-0.0312
Gm08	14283467	14283676	Gmdrm	hypo	CHG	-0.0385

Gm08	14285219	14285482	Gmdrm	hypo	CHG	-0.507
Gm08	14285617	14285753	Gmdrm	hypo	CHG	-0.506
Gm08	14300975	14301110	Gmdrm	hypo	CHG	-0.7875
Gm08	14301328	14301509	Gmdrm	hypo	CHG	-0.593
Gm08	14325330	14325553	Gmdrm	hypo	CHG	-0.373
Gm08	14327760	14328186	Gmdrm	hypo	CHG	-0.7793
Gm08	14356769	14356927	Gmdrm	hypo	CHG	-0.8075
Gm08	14382190	14382642	Gmdrm	hypo	CHG	-0.0259
Gm08	14388178	14388320	Gmdrm	hypo	CHG	-0.592
Gm08	14399142	14399186	Gmdrm	hypo	CHG	-0.04
Gm08	14410194	14410288	Gmdrm	hypo	CHG	-0.296
Gm08	14410531	14410767	Gmdrm	hypo	CHG	-0.6725
Gm08	14413585	14413982	Gmdrm	hypo	CHG	-0.3753
Gm08	14415154	14415345	Gmdrm	hypo	CHG	-0.3711
Gm08	14431094	14431321	Gmdrm	hypo	CHG	-0.6925
Gm08	14450562	14450799	Gmdrm	hypo	CHG	-0.0278
Gm08	14454379	14454699	Gmdrm	hypo	CHG	-0.3185
Gm08	14481959	14482026	Gmdrm	hypo	CHG	-0.6092
Gm08	14484339	14484390	Gmdrm	hypo	CHG	-0.438
Gm08	14484660	14485120	Gmdrm	hypo	CHG	-0.175
Gm08	14498994	14499167	Gmdrm	hypo	CHG	-0.0263
Gm08	14511690	14512014	Gmdrm	hypo	CHG	-0.0413
Gm08	14512115	14512230	Gmdrm	hypo	CHG	-0.2599
Gm08	14512588	14512778	Gmdrm	hypo	CHG	-0.347
Gm08	14513402	14513724	Gmdrm	hypo	CHG	-0.2261
Gm08	14514479	14514514	Gmdrm	hypo	CHG	-0.2438
Gm08	14515731	14515918	Gmdrm	hypo	CHG	-0.306
Gm08	14523067	14523222	Gmdrm	hypo	CHG	-0.4663
Gm08	14544612	14544785	Gmdrm	hypo	CHG	-0.1013
Gm08	14559483	14559803	Gmdrm	hypo	CHG	-0.5124
Gm08	14560479	14560644	Gmdrm	hypo	CHG	-0.7863
Gm08	14574514	14574599	Gmdrm	hypo	CHG	-0.106
Gm08	14582684	14582781	Gmdrm	hypo	CHG	-0.8463
Gm08	14585460	14585752	Gmdrm	hypo	CHG	-0.67
Gm08	14591865	14592098	Gmdrm	hypo	CHG	-0.6463
Gm08	14594288	14594427	Gmdrm	hypo	CHG	-0.5843
Gm08	14607738	14608131	Gmdrm	hypo	CHG	-0.7092
Gm08	14612257	14612447	Gmdrm	hypo	CHG	-0.3
Gm08	14612640	14612766	Gmdrm	hypo	CHG	-0.4809
Gm08	14614623	14614890	Gmdrm	hypo	CHG	-0.7669
Gm08	14656855	14657161	Gmdrm	hypo	CHG	-0.02
Gm08	14666129	14666199	Gmdrm	hypo	CHG	-0.0717
Gm08	14693329	14693375	Gmdrm	hypo	CHG	-0.588
Gm08	14699397	14699552	Gmdrm	hypo	CHG	-0.487
Gm08	14699756	14700365	Gmdrm	hypo	CHG	-0.1837
Gm08	14718170	14718398	Gmdrm	hypo	CHG	-0.7312

Gm08	14723602	14723784	Gmdrm	hypo	CHG	-0.2927
Gm08	14746038	14746109	Gmdrm	hypo	CHG	-0.5467
Gm08	14748349	14748577	Gmdrm	hypo	CHG	-0.6124
Gm08	14766683	14766787	Gmdrm	hypo	CHG	-0.1489
Gm08	14766938	14767071	Gmdrm	hypo	CHG	-0.5
Gm08	14777891	14777981	Gmdrm	hypo	CHG	-0.0311
Gm08	14784594	14784984	Gmdrm	hypo	CHG	-0.4686
Gm08	14787331	14787488	Gmdrm	hypo	CHG	-0.096
Gm08	14787610	14787667	Gmdrm	hypo	CHG	-0.1575
Gm08	14795876	14796129	Gmdrm	hypo	CHG	-0.0375
Gm08	14842061	14842403	Gmdrm	hypo	CHG	-0.1513
Gm08	14855877	14856095	Gmdrm	hypo	CHG	-0.2262
Gm08	14856906	14857107	Gmdrm	hypo	CHG	-0.0425
Gm08	14861780	14861836	Gmdrm	hypo	CHG	-0.0685
Gm08	14871057	14871106	Gmdrm	hypo	CHG	-0.7512
Gm08	14881314	14881523	Gmdrm	hypo	CHG	-0.7166
Gm08	14881628	14881822	Gmdrm	hypo	CHG	-0.0425
Gm08	14882285	14882374	Gmdrm	hypo	CHG	-0.7429
Gm08	14912334	14912528	Gmdrm	hypo	CHG	-0.8242
Gm08	14912701	14912782	Gmdrm	hypo	CHG	-0.772
Gm08	14920705	14920721	Gmdrm	hypo	CHG	-0.886
Gm08	14955668	14955811	Gmdrm	hypo	CHG	-0.5038
Gm08	14972712	14972752	Gmdrm	hypo	CHG	-0.1967
Gm08	14976563	14976750	Gmdrm	hypo	CHG	-0.3856
Gm08	14983980	14984051	Gmdrm	hypo	CHG	-0.92
Gm08	14992168	14992271	Gmdrm	hypo	CHG	-0.4517
Gm08	14998828	14998975	Gmdrm	hypo	CHG	-0.5937
Gm08	15002232	15002445	Gmdrm	hypo	CHG	-0.6874
Gm08	15046000	15046150	Gmdrm	hypo	CHG	-0.0649
Gm08	15058364	15058463	Gmdrm	hypo	CHG	-0.7787
Gm08	15062582	15062757	Gmdrm	hypo	CHG	-0.0413
Gm08	15081835	15082008	Gmdrm	hypo	CHG	-0.597
Gm08	15082148	15082768	Gmdrm	hypo	CHG	-0.5182
Gm08	15082908	15083466	Gmdrm	hypo	CHG	-0.4965
Gm08	15090316	15090369	Gmdrm	hypo	CHG	-0.606
Gm08	15092028	15092150	Gmdrm	hypo	CHG	-0.291
Gm08	15105062	15105773	Gmdrm	hypo	CHG	-0.0248
Gm08	15148714	15148913	Gmdrm	hypo	CHG	-0.203
Gm08	15150031	15150318	Gmdrm	hypo	CHG	-0.4925
Gm08	15150457	15150633	Gmdrm	hypo	CHG	-0.39
Gm08	15151347	15151556	Gmdrm	hypo	CHG	-0.5024
Gm08	15156240	15156359	Gmdrm	hypo	CHG	-0.05
Gm08	15174774	15175215	Gmdrm	hypo	CHG	-0.0634
Gm08	15178256	15178470	Gmdrm	hypo	CHG	-0.415
Gm08	15178700	15178798	Gmdrm	hypo	CHG	-0.3884
Gm08	15178965	15179130	Gmdrm	hypo	CHG	-0.8728

Gm08	15179683	15179982	Gmdrm	hypo	CHG	-0.0333
Gm08	15218890	15219156	Gmdrm	hypo	CHG	-0.6565
Gm08	15230654	15231094	Gmdrm	hypo	CHG	-0.579
Gm08	15231205	15231412	Gmdrm	hypo	CHG	-0.7713
Gm08	15234761	15234968	Gmdrm	hypo	CHG	-0.5783
Gm08	15264726	15264787	Gmdrm	hypo	CHG	-0.3817
Gm08	15298296	15298416	Gmdrm	hypo	CHG	-0.53
Gm08	15299118	15299138	Gmdrm	hypo	CHG	-0.9126
Gm08	15306378	15306487	Gmdrm	hypo	CHG	-0.1633
Gm08	15310741	15310863	Gmdrm	hypo	CHG	-0.47
Gm08	15313776	15314076	Gmdrm	hypo	CHG	-0.4682
Gm08	15333470	15333578	Gmdrm	hypo	CHG	-0.0233
Gm08	15336279	15336404	Gmdrm	hypo	CHG	-0.474
Gm08	15345980	15346197	Gmdrm	hypo	CHG	-0.0367
Gm08	15348708	15348822	Gmdrm	hypo	CHG	-0.705
Gm08	15359657	15359671	Gmdrm	hypo	CHG	-0.08
Gm08	15359967	15360066	Gmdrm	hypo	CHG	-0.06
Gm08	15365306	15365607	Gmdrm	hypo	CHG	-0.432
Gm08	15390442	15390810	Gmdrm	hypo	CHG	-0.551
Gm08	15391592	15392099	Gmdrm	hypo	CHG	-0.6612
Gm08	15392238	15392309	Gmdrm	hypo	CHG	-0.656
Gm08	15392988	15393372	Gmdrm	hypo	CHG	-0.7339
Gm08	15401913	15402075	Gmdrm	hypo	CHG	-0.054
Gm08	15402236	15402434	Gmdrm	hypo	CHG	-0.0366
Gm08	15426789	15426838	Gmdrm	hypo	CHG	-0.572
Gm08	15427199	15427300	Gmdrm	hypo	CHG	-0.8175
Gm08	15427578	15427793	Gmdrm	hypo	CHG	-0.6584
Gm08	15432309	15432493	Gmdrm	hypo	CHG	-0.6017
Gm08	15433203	15433388	Gmdrm	hypo	CHG	-0.644
Gm08	15436073	15436145	Gmdrm	hypo	CHG	-0.046
Gm08	15436259	15436600	Gmdrm	hypo	CHG	-0.5788
Gm08	15439564	15439738	Gmdrm	hypo	CHG	-0.266
Gm08	15446334	15446528	Gmdrm	hypo	CHG	-0.34
Gm08	15449540	15449765	Gmdrm	hypo	CHG	-0.392
Gm08	15469243	15469648	Gmdrm	hypo	CHG	-0.3094
Gm08	15470836	15471782	Gmdrm	hypo	CHG	-0.2209
Gm08	15472088	15472316	Gmdrm	hypo	CHG	-0.3933
Gm08	15473102	15473251	Gmdrm	hypo	CHG	-0.7343
Gm08	15499726	15499811	Gmdrm	hypo	CHG	-0.868
Gm08	15499957	15500175	Gmdrm	hypo	CHG	-0.1553
Gm08	15515723	15515824	Gmdrm	hypo	CHG	-0.8962
Gm08	15548903	15549142	Gmdrm	hypo	CHG	-0.786
Gm08	15549283	15549674	Gmdrm	hypo	CHG	-0.8163
Gm08	15549779	15550247	Gmdrm	hypo	CHG	-0.0394
Gm08	15563342	15563497	Gmdrm	hypo	CHG	-0.6028
Gm08	15563782	15564054	Gmdrm	hypo	CHG	-0.4772

Gm08	15564444	15564510	Gmdrm	hypo	CHG	-0.7833
Gm08	15568287	15568448	Gmdrm	hypo	CHG	-0.037
Gm08	15604397	15604580	Gmdrm	hypo	CHG	-0.448
Gm08	15604718	15605473	Gmdrm	hypo	CHG	-0.6019
Gm08	15643613	15643708	Gmdrm	hypo	CHG	-0.6166
Gm08	15643943	15644045	Gmdrm	hypo	CHG	-0.7217
Gm08	15679337	15679438	Gmdrm	hypo	CHG	-0.8238
Gm08	15682944	15682968	Gmdrm	hypo	CHG	-0.8533
Gm08	15683201	15683285	Gmdrm	hypo	CHG	-0.7462
Gm08	15684592	15684825	Gmdrm	hypo	CHG	-0.4317
Gm08	15684958	15685002	Gmdrm	hypo	CHG	-0.812
Gm08	15688034	15688094	Gmdrm	hypo	CHG	-0.736
Gm08	15688474	15688538	Gmdrm	hypo	CHG	-0.6134
Gm08	15688693	15689085	Gmdrm	hypo	CHG	-0.2555
Gm08	15689200	15689379	Gmdrm	hypo	CHG	-0.104
Gm08	15696112	15696301	Gmdrm	hypo	CHG	-0.8875
Gm08	15701948	15702102	Gmdrm	hypo	CHG	-0.72
Gm08	15710862	15711133	Gmdrm	hypo	CHG	-0.0524
Gm08	15715427	15715616	Gmdrm	hypo	CHG	-0.5069
Gm08	15715783	15716013	Gmdrm	hypo	CHG	-0.432
Gm08	15716192	15716590	Gmdrm	hypo	CHG	-0.8304
Gm08	15716815	15716887	Gmdrm	hypo	CHG	-0.0783
Gm08	15726759	15726782	Gmdrm	hypo	CHG	-0.252
Gm08	15762048	15762244	Gmdrm	hypo	CHG	-0.7043
Gm08	15771839	15771966	Gmdrm	hypo	CHG	-0.448
Gm08	15772856	15772983	Gmdrm	hypo	CHG	-0.2963
Gm08	15773141	15773317	Gmdrm	hypo	CHG	-0.038
Gm08	15773879	15774004	Gmdrm	hypo	CHG	-0.59
Gm08	15774125	15774320	Gmdrm	hypo	CHG	-0.6475
Gm08	15791492	15791582	Gmdrm	hypo	CHG	-0.57
Gm08	15824569	15824867	Gmdrm	hypo	CHG	-0.49
Gm08	15840540	15841000	Gmdrm	hypo	CHG	-0.5688
Gm08	15841144	15841575	Gmdrm	hypo	CHG	-0.2733
Gm08	15850239	15850442	Gmdrm	hypo	CHG	-0.3456
Gm08	15854212	15854571	Gmdrm	hypo	CHG	-0.2536
Gm08	15856378	15857152	Gmdrm	hypo	CHG	-0.0948
Gm08	15859450	15859702	Gmdrm	hypo	CHG	-0.3241
Gm08	15861128	15861223	Gmdrm	hypo	CHG	-0.4345
Gm08	15863079	15863199	Gmdrm	hypo	CHG	-0.556
Gm08	15863919	15864067	Gmdrm	hypo	CHG	-0.8256
Gm08	15895934	15896086	Gmdrm	hypo	CHG	-0.07
Gm08	15910547	15910742	Gmdrm	hypo	CHG	-0.1412
Gm08	15914425	15914524	Gmdrm	hypo	CHG	-0.432
Gm08	15919543	15919763	Gmdrm	hypo	CHG	-0.515
Gm08	15920232	15920464	Gmdrm	hypo	CHG	-0.3829
Gm08	15929048	15929270	Gmdrm	hypo	CHG	-0.6822

Gm08	15938598	15938801	Gmdrm	hypo	CHG	-0.07
Gm08	15939346	15940036	Gmdrm	hypo	CHG	-0.2774
Gm08	15965172	15965893	Gmdrm	hypo	CHG	-0.192
Gm08	15971012	15971273	Gmdrm	hypo	CHG	-0.1716
Gm08	15986859	15986978	Gmdrm	hypo	CHG	-0.5342
Gm08	15988162	15988549	Gmdrm	hypo	CHG	-0.6825
Gm08	16008059	16008095	Gmdrm	hypo	CHG	-0.856
Gm08	16014785	16014894	Gmdrm	hypo	CHG	-0.762
Gm08	16018482	16018832	Gmdrm	hypo	CHG	-0.0333
Gm08	16019086	16019265	Gmdrm	hypo	CHG	-0.038
Gm08	16031754	16032295	Gmdrm	hypo	CHG	-0.2136
Gm08	16033042	16033111	Gmdrm	hypo	CHG	-0.1133
Gm08	16046962	16047270	Gmdrm	hypo	CHG	-0.6292
Gm08	16047653	16047680	Gmdrm	hypo	CHG	-0.8983
Gm08	16055763	16055839	Gmdrm	hypo	CHG	-0.045
Gm08	16056373	16056475	Gmdrm	hypo	CHG	-0.7363
Gm08	16056584	16056622	Gmdrm	hypo	CHG	-0.54
Gm08	16059273	16059456	Gmdrm	hypo	CHG	-0.4867
Gm08	16059618	16059686	Gmdrm	hypo	CHG	-0.72
Gm08	16062659	16062743	Gmdrm	hypo	CHG	-0.52
Gm08	16082639	16082694	Gmdrm	hypo	CHG	-0.245
Gm08	16098170	16098433	Gmdrm	hypo	CHG	-0.57
Gm08	16101778	16102428	Gmdrm	hypo	CHG	-0.1746
Gm08	16106830	16106922	Gmdrm	hypo	CHG	-0.3087
Gm08	16114283	16114421	Gmdrm	hypo	CHG	-0.5273
Gm08	16119414	16119792	Gmdrm	hypo	CHG	-0.2239
Gm08	16123088	16123321	Gmdrm	hypo	CHG	-0.0457
Gm08	16123572	16123864	Gmdrm	hypo	CHG	-0.6038
Gm08	16124021	16124544	Gmdrm	hypo	CHG	-0.4676
Gm08	16126505	16126651	Gmdrm	hypo	CHG	-0.05
Gm08	16131610	16131811	Gmdrm	hypo	CHG	-0.3119
Gm08	16134741	16135229	Gmdrm	hypo	CHG	-0.6336
Gm08	16157775	16158187	Gmdrm	hypo	CHG	-0.7406
Gm08	16161984	16162063	Gmdrm	hypo	CHG	-0.044
Gm08	16172508	16173321	Gmdrm	hypo	CHG	-0.3724
Gm08	16174946	16175204	Gmdrm	hypo	CHG	-0.7385
Gm08	16198635	16198771	Gmdrm	hypo	CHG	-0.285
Gm08	16227445	16227534	Gmdrm	hypo	CHG	-0.0689
Gm08	16229528	16229657	Gmdrm	hypo	CHG	-0.104
Gm08	16253766	16254426	Gmdrm	hypo	CHG	-0.206
Gm08	16256234	16256400	Gmdrm	hypo	CHG	-0.8066
Gm08	16270787	16271570	Gmdrm	hypo	CHG	-0.3572
Gm08	16271837	16272076	Gmdrm	hypo	CHG	-0.1071
Gm08	16313037	16313361	Gmdrm	hypo	CHG	-0.8554
Gm08	16313835	16313987	Gmdrm	hypo	CHG	-0.8725
Gm08	16322978	16323185	Gmdrm	hypo	CHG	-0.0311

Gm08	16338071	16338458	Gmdrm	hypo	CHG	-0.2985
Gm08	16348756	16348919	Gmdrm	hypo	CHG	-0.484
Gm08	16360284	16360465	Gmdrm	hypo	CHG	-0.0333
Gm08	16378716	16378905	Gmdrm	hypo	CHG	-0.462
Gm08	16379062	16379160	Gmdrm	hypo	CHG	-0.208
Gm08	16384260	16384528	Gmdrm	hypo	CHG	-0.2775
Gm08	16390802	16390879	Gmdrm	hypo	CHG	-0.925
Gm08	16401282	16401527	Gmdrm	hypo	CHG	-0.6225
Gm08	16401678	16401742	Gmdrm	hypo	CHG	-0.91
Gm08	16412622	16412852	Gmdrm	hypo	CHG	-0.0375
Gm08	16416853	16417187	Gmdrm	hypo	CHG	-0.3133
Gm08	16423572	16423657	Gmdrm	hypo	CHG	-0.6014
Gm08	16453506	16454080	Gmdrm	hypo	CHG	-0.0691
Gm08	16460715	16460865	Gmdrm	hypo	CHG	-0.186
Gm08	16488151	16488255	Gmdrm	hypo	CHG	-0.35
Gm08	16507352	16507546	Gmdrm	hypo	CHG	-0.6038
Gm08	16507712	16507936	Gmdrm	hypo	CHG	-0.5333
Gm08	16510682	16511089	Gmdrm	hypo	CHG	-0.6276
Gm08	16514006	16514064	Gmdrm	hypo	CHG	-0.3962
Gm08	16514182	16514374	Gmdrm	hypo	CHG	-0.438
Gm08	16527840	16528714	Gmdrm	hypo	CHG	-0.0307
Gm08	16554047	16554095	Gmdrm	hypo	CHG	-0.68
Gm08	16582842	16582975	Gmdrm	hypo	CHG	-0.5587
Gm08	16583140	16583168	Gmdrm	hypo	CHG	-0.3483
Gm08	16593760	16593866	Gmdrm	hypo	CHG	-0.35
Gm08	16594085	16594184	Gmdrm	hypo	CHG	-0.6567
Gm08	16628515	16628758	Gmdrm	hypo	CHG	-0.0387
Gm08	16629759	16629922	Gmdrm	hypo	CHG	-0.58
Gm08	16630026	16630557	Gmdrm	hypo	CHG	-0.4381
Gm08	16643616	16643721	Gmdrm	hypo	CHG	-0.86
Gm08	16648644	16648765	Gmdrm	hypo	CHG	-0.03
Gm08	16661275	16661503	Gmdrm	hypo	CHG	-0.1843
Gm08	16681609	16681666	Gmdrm	hypo	CHG	-0.26
Gm08	16682176	16682274	Gmdrm	hypo	CHG	-0.6457
Gm08	16705031	16705236	Gmdrm	hypo	CHG	-0.084
Gm08	16710258	16710532	Gmdrm	hypo	CHG	-0.794
Gm08	16710674	16710885	Gmdrm	hypo	CHG	-0.8627
Gm08	16711152	16711406	Gmdrm	hypo	CHG	-0.6235
Gm08	16712404	16712531	Gmdrm	hypo	CHG	-0.0756
Gm08	16735745	16735966	Gmdrm	hypo	CHG	-0.82
Gm08	16740048	16740161	Gmdrm	hypo	CHG	-0.9384
Gm08	16740626	16741244	Gmdrm	hypo	CHG	-0.1673
Gm08	16741910	16742058	Gmdrm	hypo	CHG	-0.6137
Gm08	16747640	16748008	Gmdrm	hypo	CHG	-0.223
Gm08	16753068	16753160	Gmdrm	hypo	CHG	-0.59
Gm08	16754476	16754951	Gmdrm	hypo	CHG	-0.8674

Gm08	16777441	16777777	Gmdrm	hypo	CHG	-0.0669
Gm08	16777889	16777948	Gmdrm	hypo	CHG	-0.695
Gm08	16778192	16778371	Gmdrm	hypo	CHG	-0.4369
Gm08	16788790	16788978	Gmdrm	hypo	CHG	-0.0615
Gm08	16790080	16790459	Gmdrm	hypo	CHG	-0.042
Gm08	16790592	16790810	Gmdrm	hypo	CHG	-0.04
Gm08	16791005	16791059	Gmdrm	hypo	CHG	-0.0645
Gm08	16809193	16809412	Gmdrm	hypo	CHG	-0.7278
Gm08	16813371	16813566	Gmdrm	hypo	CHG	-0.032
Gm08	16835001	16835292	Gmdrm	hypo	CHG	-0.9217
Gm08	16837085	16837150	Gmdrm	hypo	CHG	-0.1333
Gm08	16840495	16840753	Gmdrm	hypo	CHG	-0.0283
Gm08	16843813	16844151	Gmdrm	hypo	CHG	-0.0371
Gm08	16844460	16844504	Gmdrm	hypo	CHG	-0.7486
Gm08	16849209	16849360	Gmdrm	hypo	CHG	-0.42
Gm08	16850073	16850177	Gmdrm	hypo	CHG	-0.62
Gm08	16850523	16850615	Gmdrm	hypo	CHG	-0.5
Gm08	16853881	16854085	Gmdrm	hypo	CHG	-0.177
Gm08	16858683	16858794	Gmdrm	hypo	CHG	-0.7971
Gm08	16861334	16861520	Gmdrm	hypo	CHG	-0.19
Gm08	16864415	16864876	Gmdrm	hypo	CHG	-0.6541
Gm08	16877001	16877290	Gmdrm	hypo	CHG	-0.0486
Gm08	16882306	16882645	Gmdrm	hypo	CHG	-0.3479
Gm08	16897173	16897291	Gmdrm	hypo	CHG	-0.8589
Gm08	16898086	16898151	Gmdrm	hypo	CHG	-0.8017
Gm08	16919312	16919329	Gmdrm	hypo	CHG	-0.714
Gm08	16920506	16920585	Gmdrm	hypo	CHG	-0.799
Gm08	16920828	16921026	Gmdrm	hypo	CHG	-0.651
Gm08	16923314	16923458	Gmdrm	hypo	CHG	-0.565
Gm08	16925702	16926007	Gmdrm	hypo	CHG	-0.4218
Gm08	16926240	16926288	Gmdrm	hypo	CHG	-0.134
Gm08	16930569	16930764	Gmdrm	hypo	CHG	-0.04
Gm08	16942924	16942957	Gmdrm	hypo	CHG	-0.8443
Gm08	16948582	16948631	Gmdrm	hypo	CHG	-0.9067
Gm08	16963742	16963916	Gmdrm	hypo	CHG	-0.325
Gm08	16965805	16965904	Gmdrm	hypo	CHG	-0.5588
Gm08	16968826	16968915	Gmdrm	hypo	CHG	-0.7829
Gm08	16971150	16971768	Gmdrm	hypo	CHG	-0.6597
Gm08	16971991	16972339	Gmdrm	hypo	CHG	-0.624
Gm08	16986727	16986883	Gmdrm	hypo	CHG	-0.7249
Gm08	16993937	16994079	Gmdrm	hypo	CHG	-0.052
Gm08	17004971	17005119	Gmdrm	hypo	CHG	-0.781
Gm08	17005315	17005652	Gmdrm	hypo	CHG	-0.6738
Gm08	17008455	17009048	Gmdrm	hypo	CHG	-0.2205
Gm08	17009151	17009172	Gmdrm	hypo	CHG	-0.854
Gm08	17009381	17009600	Gmdrm	hypo	CHG	-0.6856

Gm08	17017711	17017799	Gmdrm	hypo	CHG	-0.9667
Gm08	17026713	17026769	Gmdrm	hypo	CHG	-0.5837
Gm08	17029092	17029233	Gmdrm	hypo	CHG	-0.4813
Gm08	17034227	17034555	Gmdrm	hypo	CHG	-0.6056
Gm08	17037026	17037193	Gmdrm	hypo	CHG	-0.06
Gm08	17063325	17063519	Gmdrm	hypo	CHG	-0.0725
Gm08	17063695	17063832	Gmdrm	hypo	CHG	-0.652
Gm08	17108482	17108572	Gmdrm	hypo	CHG	-0.5717
Gm08	17108888	17108973	Gmdrm	hypo	CHG	-0.795
Gm08	17109257	17109433	Gmdrm	hypo	CHG	-0.2175
Gm08	17124377	17124550	Gmdrm	hypo	CHG	-0.03
Gm08	17125071	17125331	Gmdrm	hypo	CHG	-0.6286
Gm08	17125651	17125729	Gmdrm	hypo	CHG	-0.8267
Gm08	17126548	17126657	Gmdrm	hypo	CHG	-0.6443
Gm08	17127107	17127281	Gmdrm	hypo	CHG	-0.056
Gm08	17129332	17129758	Gmdrm	hypo	CHG	-0.1126
Gm08	17145962	17146228	Gmdrm	hypo	CHG	-0.8254
Gm08	17146732	17146938	Gmdrm	hypo	CHG	-0.625
Gm08	17152243	17152434	Gmdrm	hypo	CHG	-0.8809
Gm08	17153440	17153545	Gmdrm	hypo	CHG	-0.7885
Gm08	17153721	17154073	Gmdrm	hypo	CHG	-0.639
Gm08	17169545	17169686	Gmdrm	hypo	CHG	-0.97
Gm08	17212304	17212529	Gmdrm	hypo	CHG	-0.8307
Gm08	17212677	17213038	Gmdrm	hypo	CHG	-0.8632
Gm08	17213267	17213791	Gmdrm	hypo	CHG	-0.2611
Gm08	17214153	17214207	Gmdrm	hypo	CHG	-0.8816
Gm08	17217656	17217764	Gmdrm	hypo	CHG	-0.46
Gm08	17228163	17228613	Gmdrm	hypo	CHG	-0.4344
Gm08	17236417	17236445	Gmdrm	hypo	CHG	-0.2884
Gm08	17266768	17266865	Gmdrm	hypo	CHG	-0.3233
Gm08	17267186	17267371	Gmdrm	hypo	CHG	-0.3823
Gm08	17275016	17275051	Gmdrm	hypo	CHG	-0.516
Gm08	17278065	17278280	Gmdrm	hypo	CHG	-0.63
Gm08	17282567	17282647	Gmdrm	hypo	CHG	-0.402
Gm08	17286019	17286293	Gmdrm	hypo	CHG	-0.1683
Gm08	17286401	17286582	Gmdrm	hypo	CHG	-0.674
Gm08	17289194	17289251	Gmdrm	hypo	CHG	-0.4034
Gm08	17297244	17297515	Gmdrm	hypo	CHG	-0.85
Gm08	17297828	17297931	Gmdrm	hypo	CHG	-0.82
Gm08	17298548	17298592	Gmdrm	hypo	CHG	-0.1125
Gm08	17309902	17310148	Gmdrm	hypo	CHG	-0.8247
Gm08	17310303	17310438	Gmdrm	hypo	CHG	-0.8533
Gm08	17311523	17311642	Gmdrm	hypo	CHG	-0.0386
Gm08	17312317	17312430	Gmdrm	hypo	CHG	-0.052
Gm08	17318335	17318573	Gmdrm	hypo	CHG	-0.0414
Gm08	17327481	17327634	Gmdrm	hypo	CHG	-0.0479

Gm08	17329219	17329265	Gmdrm	hypo	CHG	-0.414
Gm08	17336786	17337001	Gmdrm	hypo	CHG	-0.38
Gm08	17345301	17345473	Gmdrm	hypo	CHG	-0.0343
Gm08	17350048	17350518	Gmdrm	hypo	CHG	-0.0425
Gm08	17352095	17352293	Gmdrm	hypo	CHG	-0.0343
Gm08	17358851	17359183	Gmdrm	hypo	CHG	-0.5153
Gm08	17384560	17384788	Gmdrm	hypo	CHG	-0.7414
Gm08	17384932	17385017	Gmdrm	hypo	CHG	-0.782
Gm08	17390384	17390925	Gmdrm	hypo	CHG	-0.0691
Gm08	17391920	17392286	Gmdrm	hypo	CHG	-0.06
Gm08	17432229	17432489	Gmdrm	hypo	CHG	-0.72
Gm08	17433037	17433295	Gmdrm	hypo	CHG	-0.2167
Gm08	17457613	17457806	Gmdrm	hypo	CHG	-0.4449
Gm08	17459716	17460230	Gmdrm	hypo	CHG	-0.4005
Gm08	17460345	17460424	Gmdrm	hypo	CHG	-0.7617
Gm08	17460684	17460733	Gmdrm	hypo	CHG	-0.8311
Gm08	17467043	17467179	Gmdrm	hypo	CHG	-0.0372
Gm08	17471061	17471306	Gmdrm	hypo	CHG	-0.0909
Gm08	17473867	17474112	Gmdrm	hypo	CHG	-0.05
Gm08	17484504	17484620	Gmdrm	hypo	CHG	-0.8583
Gm08	17487954	17488422	Gmdrm	hypo	CHG	-0.6176
Gm08	17513426	17513790	Gmdrm	hypo	CHG	-0.1824
Gm08	17514122	17514255	Gmdrm	hypo	CHG	-0.9364
Gm08	17526212	17526654	Gmdrm	hypo	CHG	-0.7325
Gm08	17526864	17527023	Gmdrm	hypo	CHG	-0.198
Gm08	17528281	17528609	Gmdrm	hypo	CHG	-0.3643
Gm08	17532809	17532949	Gmdrm	hypo	CHG	-0.9
Gm08	17533081	17533320	Gmdrm	hypo	CHG	-0.0575
Gm08	17553259	17553465	Gmdrm	hypo	CHG	-0.038
Gm08	17575243	17575419	Gmdrm	hypo	CHG	-0.6382
Gm08	17575902	17575994	Gmdrm	hypo	CHG	-0.64
Gm08	17576237	17576420	Gmdrm	hypo	CHG	-0.7543
Gm08	17606327	17606387	Gmdrm	hypo	CHG	-0.165
Gm08	17609833	17609895	Gmdrm	hypo	CHG	-0.568
Gm08	17626400	17626772	Gmdrm	hypo	CHG	-0.3686
Gm08	17629536	17629637	Gmdrm	hypo	CHG	-0.804
Gm08	17648994	17649268	Gmdrm	hypo	CHG	-0.6455
Gm08	17650686	17650961	Gmdrm	hypo	CHG	-0.036
Gm08	17655438	17655522	Gmdrm	hypo	CHG	-0.8937
Gm08	17656699	17656913	Gmdrm	hypo	CHG	-0.618
Gm08	17657023	17657166	Gmdrm	hypo	CHG	-0.6442
Gm08	17657404	17657597	Gmdrm	hypo	CHG	-0.1813
Gm08	17661027	17661150	Gmdrm	hypo	CHG	-0.275
Gm08	17661259	17661507	Gmdrm	hypo	CHG	-0.6657
Gm08	17661855	17662160	Gmdrm	hypo	CHG	-0.4208
Gm08	17663133	17663338	Gmdrm	hypo	CHG	-0.4273

Gm08	17663467	17664252	Gmdrm	hypo	CHG	-0.4953
Gm08	17687617	17687700	Gmdrm	hypo	CHG	-0.5763
Gm08	17687806	17687971	Gmdrm	hypo	CHG	-0.34
Gm08	17688396	17688978	Gmdrm	hypo	CHG	-0.28
Gm08	17689082	17689397	Gmdrm	hypo	CHG	-0.5375
Gm08	17703108	17703262	Gmdrm	hypo	CHG	-0.33
Gm08	17703435	17703481	Gmdrm	hypo	CHG	-0.718
Gm08	17704469	17704830	Gmdrm	hypo	CHG	-0.5348
Gm08	17710334	17710415	Gmdrm	hypo	CHG	-0.836
Gm08	17732884	17732943	Gmdrm	hypo	CHG	-0.775
Gm08	17744720	17744849	Gmdrm	hypo	CHG	-0.8183
Gm08	17745600	17745697	Gmdrm	hypo	CHG	-0.6667
Gm08	17745862	17745962	Gmdrm	hypo	CHG	-0.5462
Gm08	17749519	17749606	Gmdrm	hypo	CHG	-0.064
Gm08	17750111	17750216	Gmdrm	hypo	CHG	-0.324
Gm08	17750412	17750521	Gmdrm	hypo	CHG	-0.1634
Gm08	17750938	17751008	Gmdrm	hypo	CHG	-0.82
Gm08	17753837	17754576	Gmdrm	hypo	CHG	-0.1694
Gm08	17755696	17756411	Gmdrm	hypo	CHG	-0.249
Gm08	17759669	17759866	Gmdrm	hypo	CHG	-0.535
Gm08	17773906	17774307	Gmdrm	hypo	CHG	-0.1025
Gm08	17807947	17808039	Gmdrm	hypo	CHG	-0.082
Gm08	17808193	17808351	Gmdrm	hypo	CHG	-0.6672
Gm08	17818815	17818978	Gmdrm	hypo	CHG	-0.06
Gm08	17820751	17820868	Gmdrm	hypo	CHG	-0.548
Gm08	17836601	17837063	Gmdrm	hypo	CHG	-0.3773
Gm08	17843368	17843420	Gmdrm	hypo	CHG	-0.1544
Gm08	17850735	17851138	Gmdrm	hypo	CHG	-0.3377
Gm08	17855105	17855160	Gmdrm	hypo	CHG	-0.77
Gm08	17855404	17855631	Gmdrm	hypo	CHG	-0.8223
Gm08	17899552	17900002	Gmdrm	hypo	CHG	-0.7221
Gm08	17900539	17900745	Gmdrm	hypo	CHG	-0.562
Gm08	17914734	17914884	Gmdrm	hypo	CHG	-0.0533
Gm08	17925864	17926214	Gmdrm	hypo	CHG	-0.1791
Gm08	17926852	17926986	Gmdrm	hypo	CHG	-0.4114
Gm08	17927455	17927473	Gmdrm	hypo	CHG	-0.8258
Gm08	17935275	17935380	Gmdrm	hypo	CHG	-0.3722
Gm08	17935571	17935675	Gmdrm	hypo	CHG	-0.5275
Gm08	17944975	17945821	Gmdrm	hypo	CHG	-0.0837
Gm08	17946184	17946629	Gmdrm	hypo	CHG	-0.2757
Gm08	17947613	17948045	Gmdrm	hypo	CHG	-0.0917
Gm08	17952894	17953094	Gmdrm	hypo	CHG	-0.055
Gm08	17979236	17979330	Gmdrm	hypo	CHG	-0.3133
Gm08	17997399	17997745	Gmdrm	hypo	CHG	-0.3281
Gm08	18003752	18004054	Gmdrm	hypo	CHG	-0.2055
Gm08	18026271	18026412	Gmdrm	hypo	CHG	-0.685

Gm08	18031358	18031433	Gmdrm	hypo	CHG	-0.3578
Gm08	18032786	18033022	Gmdrm	hypo	CHG	-0.627
Gm08	18050090	18050298	Gmdrm	hypo	CHG	-0.068
Gm08	18051980	18052013	Gmdrm	hypo	CHG	-0.122
Gm08	18054064	18054304	Gmdrm	hypo	CHG	-0.4175
Gm08	18055175	18055379	Gmdrm	hypo	CHG	-0.044
Gm08	18108419	18108582	Gmdrm	hypo	CHG	-0.6714
Gm08	18120383	18120644	Gmdrm	hypo	CHG	-0.038
Gm08	18134990	18135138	Gmdrm	hypo	CHG	-0.052
Gm08	18169339	18169864	Gmdrm	hypo	CHG	-0.2552
Gm08	18186928	18187344	Gmdrm	hypo	CHG	-0.6614
Gm08	18189514	18190494	Gmdrm	hypo	CHG	-0.1569
Gm08	18193966	18194493	Gmdrm	hypo	CHG	-0.2649
Gm08	18199892	18200270	Gmdrm	hypo	CHG	-0.5288
Gm08	18260464	18260677	Gmdrm	hypo	CHG	-0.3412
Gm08	18260837	18261146	Gmdrm	hypo	CHG	-0.792
Gm08	18262401	18262530	Gmdrm	hypo	CHG	-0.676
Gm08	18270363	18270846	Gmdrm	hypo	CHG	-0.6333
Gm08	18289949	18290064	Gmdrm	hypo	CHG	-0.4187
Gm08	18301007	18301225	Gmdrm	hypo	CHG	-0.4645
Gm08	18306356	18307316	Gmdrm	hypo	CHG	-0.109
Gm08	18380820	18381096	Gmdrm	hypo	CHG	-0.0628
Gm08	18390321	18390593	Gmdrm	hypo	CHG	-0.2282
Gm08	18395000	18395339	Gmdrm	hypo	CHG	-0.3719
Gm08	18395544	18395863	Gmdrm	hypo	CHG	-0.5969
Gm08	18395980	18396409	Gmdrm	hypo	CHG	-0.4511
Gm08	18398167	18398369	Gmdrm	hypo	CHG	-0.3616
Gm08	18401154	18401740	Gmdrm	hypo	CHG	-0.2808
Gm08	18402204	18402651	Gmdrm	hypo	CHG	-0.2332
Gm08	18405918	18406131	Gmdrm	hypo	CHG	-0.275
Gm08	18407297	18407358	Gmdrm	hypo	CHG	-0.13
Gm08	18412138	18412200	Gmdrm	hypo	CHG	-0.778
Gm08	18443427	18443557	Gmdrm	hypo	CHG	-0.2472
Gm08	18443804	18443926	Gmdrm	hypo	CHG	-0.745
Gm08	18444626	18444944	Gmdrm	hypo	CHG	-0.7968
Gm08	18474849	18475252	Gmdrm	hypo	CHG	-0.0542
Gm08	18525620	18525690	Gmdrm	hypo	CHG	-0.0786
Gm08	18527779	18528057	Gmdrm	hypo	CHG	-0.9657
Gm08	18532706	18532863	Gmdrm	hypo	CHG	-0.4509
Gm08	18533136	18533393	Gmdrm	hypo	CHG	-0.6628
Gm08	18535225	18535327	Gmdrm	hypo	CHG	-0.34
Gm08	18536795	18536914	Gmdrm	hypo	CHG	-0.346
Gm08	18537096	18537378	Gmdrm	hypo	CHG	-0.3276
Gm08	18545559	18545901	Gmdrm	hypo	CHG	-0.6524
Gm08	18549538	18549633	Gmdrm	hypo	CHG	-0.1767
Gm08	18567573	18567728	Gmdrm	hypo	CHG	-0.353

Gm08	18567982	18568101	Gmdrm	hypo	CHG	-0.5266
Gm08	18580709	18580900	Gmdrm	hypo	CHG	-0.4018
Gm08	18603868	18604324	Gmdrm	hypo	CHG	-0.8282
Gm08	18604500	18604566	Gmdrm	hypo	CHG	-0.865
Gm08	18604700	18604966	Gmdrm	hypo	CHG	-0.1112
Gm08	18605141	18605474	Gmdrm	hypo	CHG	-0.4182
Gm08	18608180	18608447	Gmdrm	hypo	CHG	-0.4175
Gm08	18615312	18615413	Gmdrm	hypo	CHG	-0.2966
Gm08	18622606	18622707	Gmdrm	hypo	CHG	-0.516
Gm08	18623295	18623396	Gmdrm	hypo	CHG	-0.4809
Gm08	18623499	18623725	Gmdrm	hypo	CHG	-0.5911
Gm08	18642635	18642682	Gmdrm	hypo	CHG	-0.47
Gm08	18643392	18643510	Gmdrm	hypo	CHG	-0.478
Gm08	18651212	18651302	Gmdrm	hypo	CHG	-0.822
Gm08	18651481	18651573	Gmdrm	hypo	CHG	-0.603
Gm08	18651913	18651983	Gmdrm	hypo	CHG	-0.2683
Gm08	18658114	18658186	Gmdrm	hypo	CHG	-0.3
Gm08	18678088	18678109	Gmdrm	hypo	CHG	-0.235
Gm08	18691584	18691631	Gmdrm	hypo	CHG	-0.4883
Gm08	18692304	18692515	Gmdrm	hypo	CHG	-0.785
Gm08	18718574	18719236	Gmdrm	hypo	CHG	-0.1386
Gm08	18724738	18724839	Gmdrm	hypo	CHG	-0.044
Gm08	18725296	18725369	Gmdrm	hypo	CHG	-0.7201
Gm08	18727000	18727177	Gmdrm	hypo	CHG	-0.3221
Gm08	18755615	18755623	Gmdrm	hypo	CHG	-0.2617
Gm08	18756631	18756727	Gmdrm	hypo	CHG	-0.5915
Gm08	18766060	18766150	Gmdrm	hypo	CHG	-0.065
Gm08	18766404	18766932	Gmdrm	hypo	CHG	-0.7282
Gm08	18783206	18783548	Gmdrm	hypo	CHG	-0.7906
Gm08	18799806	18800073	Gmdrm	hypo	CHG	-0.0387
Gm08	18805227	18806180	Gmdrm	hypo	CHG	-0.2027
Gm08	18806254	18806945	Gmdrm	hypo	CHG	-0.0977
Gm08	18807166	18807710	Gmdrm	hypo	CHG	-0.2325
Gm08	18808241	18808344	Gmdrm	hypo	CHG	-0.2122
Gm08	18812965	18813186	Gmdrm	hypo	CHG	-0.0322
Gm08	18817579	18818352	Gmdrm	hypo	CHG	-0.1787
Gm08	18818466	18818746	Gmdrm	hypo	CHG	-0.3544
Gm08	18824009	18824182	Gmdrm	hypo	CHG	-0.573
Gm08	18865302	18865430	Gmdrm	hypo	CHG	-0.4114
Gm08	18870676	18870709	Gmdrm	hypo	CHG	-0.8243
Gm08	18870872	18871024	Gmdrm	hypo	CHG	-0.566
Gm08	18878974	18879175	Gmdrm	hypo	CHG	-0.747
Gm08	18900136	18900246	Gmdrm	hypo	CHG	-0.1483
Gm08	18904198	18904583	Gmdrm	hypo	CHG	-0.2184
Gm08	18912601	18912923	Gmdrm	hypo	CHG	-0.4054
Gm08	18916810	18916832	Gmdrm	hypo	CHG	-0.53

Gm08	18922453	18922647	Gmdrm	hypo	CHG	-0.0489
Gm08	18925586	18925648	Gmdrm	hypo	CHG	-0.2283
Gm08	18966821	18966922	Gmdrm	hypo	CHG	-0.22
Gm08	18971540	18971818	Gmdrm	hypo	CHG	-0.0344
Gm08	18971934	18972154	Gmdrm	hypo	CHG	-0.4817
Gm08	18978400	18978617	Gmdrm	hypo	CHG	-0.5813
Gm08	18996751	18997115	Gmdrm	hypo	CHG	-0.7631
Gm08	19016251	19016473	Gmdrm	hypo	CHG	-0.4525
Gm08	19021814	19021986	Gmdrm	hypo	CHG	-0.23
Gm08	19028865	19028995	Gmdrm	hypo	CHG	-0.3666
Gm08	19049575	19049749	Gmdrm	hypo	CHG	-0.0317
Gm08	19051267	19051656	Gmdrm	hypo	CHG	-0.4927
Gm08	19052586	19052660	Gmdrm	hypo	CHG	-0.8538
Gm08	19053116	19053346	Gmdrm	hypo	CHG	-0.8656
Gm08	19053731	19054346	Gmdrm	hypo	CHG	-0.8588
Gm08	19062101	19063075	Gmdrm	hypo	CHG	-0.1955
Gm08	19065766	19066096	Gmdrm	hypo	CHG	-0.17
Gm08	19081497	19081572	Gmdrm	hypo	CHG	-0.3
Gm08	19081833	19082168	Gmdrm	hypo	CHG	-0.8691
Gm08	19111839	19112053	Gmdrm	hypo	CHG	-0.0299
Gm08	19114615	19115581	Gmdrm	hypo	CHG	-0.7653
Gm08	19131511	19131893	Gmdrm	hypo	CHG	-0.3678
Gm08	19135785	19135812	Gmdrm	hypo	CHG	-0.495
Gm08	19142081	19142238	Gmdrm	hypo	CHG	-0.8554
Gm08	19142496	19142747	Gmdrm	hypo	CHG	-0.4515
Gm08	19143231	19143303	Gmdrm	hypo	CHG	-0.802
Gm08	19143451	19143727	Gmdrm	hypo	CHG	-0.8656
Gm08	19158560	19158639	Gmdrm	hypo	CHG	-0.5083
Gm08	19165654	19165837	Gmdrm	hypo	CHG	-0.6571
Gm08	19168852	19168977	Gmdrm	hypo	CHG	-0.3963
Gm08	19179845	19179923	Gmdrm	hypo	CHG	-0.4537
Gm08	19180292	19180543	Gmdrm	hypo	CHG	-0.48
Gm08	19180691	19180867	Gmdrm	hypo	CHG	-0.7978
Gm08	19180976	19181065	Gmdrm	hypo	CHG	-0.8444
Gm08	19184038	19184199	Gmdrm	hypo	CHG	-0.821
Gm08	19186753	19187136	Gmdrm	hypo	CHG	-0.7417
Gm08	19188924	19189154	Gmdrm	hypo	CHG	-0.565
Gm08	19195259	19195436	Gmdrm	hypo	CHG	-0.58
Gm08	19201738	19202241	Gmdrm	hypo	CHG	-0.8104
Gm08	19202669	19202804	Gmdrm	hypo	CHG	-0.8543
Gm08	19203022	19203170	Gmdrm	hypo	CHG	-0.6535
Gm08	19204868	19204960	Gmdrm	hypo	CHG	-0.386
Gm08	19209817	19210006	Gmdrm	hypo	CHG	-0.85
Gm08	19218545	19218599	Gmdrm	hypo	CHG	-0.0489
Gm08	19222538	19223180	Gmdrm	hypo	CHG	-0.0868
Gm08	19226610	19226975	Gmdrm	hypo	CHG	-0.395

Gm08	19232346	19232619	Gmdrm	hypo	CHG	-0.505
Gm08	19232862	19233383	Gmdrm	hypo	CHG	-0.6761
Gm08	19236455	19236604	Gmdrm	hypo	CHG	-0.4083
Gm08	19251837	19251934	Gmdrm	hypo	CHG	-0.5543
Gm08	19270007	19270238	Gmdrm	hypo	CHG	-0.3292
Gm08	19270414	19270615	Gmdrm	hypo	CHG	-0.537
Gm08	19288705	19289109	Gmdrm	hypo	CHG	-0.27
Gm08	19289455	19289572	Gmdrm	hypo	CHG	-0.592
Gm08	19305376	19305588	Gmdrm	hypo	CHG	-0.57
Gm08	19306452	19306519	Gmdrm	hypo	CHG	-0.665
Gm08	19322806	19323323	Gmdrm	hypo	CHG	-0.4029
Gm08	19335014	19335396	Gmdrm	hypo	CHG	-0.2882
Gm08	19338207	19338333	Gmdrm	hypo	CHG	-0.215
Gm08	19343099	19343303	Gmdrm	hypo	CHG	-0.3027
Gm08	19366475	19366570	Gmdrm	hypo	CHG	-0.0557
Gm08	19369935	19370075	Gmdrm	hypo	CHG	-0.1383
Gm08	19375530	19376123	Gmdrm	hypo	CHG	-0.2242
Gm08	19376515	19376725	Gmdrm	hypo	CHG	-0.757
Gm08	19380602	19380767	Gmdrm	hypo	CHG	-0.5367
Gm08	19381230	19381520	Gmdrm	hypo	CHG	-0.3404
Gm08	19389459	19389869	Gmdrm	hypo	CHG	-0.5627
Gm08	19393336	19394089	Gmdrm	hypo	CHG	-0.3263
Gm08	19408745	19408974	Gmdrm	hypo	CHG	-0.2487
Gm08	19423426	19423603	Gmdrm	hypo	CHG	-0.74
Gm08	19431005	19431691	Gmdrm	hypo	CHG	-0.4296
Gm08	19447520	19447706	Gmdrm	hypo	CHG	-0.4125
Gm08	19489580	19489727	Gmdrm	hypo	CHG	-0.1389
Gm08	19491346	19492226	Gmdrm	hypo	CHG	-0.3097
Gm08	19496738	19497330	Gmdrm	hypo	CHG	-0.13
Gm08	19498113	19499085	Gmdrm	hypo	CHG	-0.1937
Gm08	19501874	19502208	Gmdrm	hypo	CHG	-0.0536
Gm08	19512423	19513386	Gmdrm	hypo	CHG	-0.0767
Gm08	19531191	19532175	Gmdrm	hypo	CHG	-0.4949
Gm08	19532197	19532428	Gmdrm	hypo	CHG	-0.3245
Gm08	19532546	19533470	Gmdrm	hypo	CHG	-0.2486
Gm08	19533839	19534188	Gmdrm	hypo	CHG	-0.0875
Gm08	19537091	19537324	Gmdrm	hypo	CHG	-0.175
Gm08	19538110	19539085	Gmdrm	hypo	CHG	-0.1489
Gm08	19544254	19545248	Gmdrm	hypo	CHG	-0.2506
Gm08	19549870	19550202	Gmdrm	hypo	CHG	-0.3379
Gm08	19550349	19551343	Gmdrm	hypo	CHG	-0.3801
Gm08	19611408	19611700	Gmdrm	hypo	CHG	-0.7125
Gm08	19614971	19615343	Gmdrm	hypo	CHG	-0.2688
Gm08	19617395	19617610	Gmdrm	hypo	CHG	-0.3889
Gm08	19643933	19644068	Gmdrm	hypo	CHG	-0.032
Gm08	19646764	19647254	Gmdrm	hypo	CHG	-0.6439

Gm08	19647840	19648231	Gmdrm	hypo	CHG	-0.753
Gm08	19671073	19671171	Gmdrm	hypo	CHG	-0.3716
Gm08	19674964	19675157	Gmdrm	hypo	CHG	-0.6211
Gm08	19740035	19740184	Gmdrm	hypo	CHG	-0.3867
Gm08	19752036	19752168	Gmdrm	hypo	CHG	-0.2211
Gm08	19754830	19755235	Gmdrm	hypo	CHG	-0.0606
Gm08	19767933	19768872	Gmdrm	hypo	CHG	-0.4184
Gm08	19768941	19769086	Gmdrm	hypo	CHG	-0.425
Gm08	19769226	19769677	Gmdrm	hypo	CHG	-0.2466
Gm08	19787805	19787913	Gmdrm	hypo	CHG	-0.176
Gm08	19808191	19808493	Gmdrm	hypo	CHG	-0.3591
Gm08	19808944	19808998	Gmdrm	hypo	CHG	-0.452
Gm08	19812756	19812951	Gmdrm	hypo	CHG	-0.472
Gm08	19833454	19833658	Gmdrm	hypo	CHG	-0.2633
Gm08	19839568	19839915	Gmdrm	hypo	CHG	-0.2938
Gm08	19840510	19840555	Gmdrm	hypo	CHG	-0.38
Gm08	19882860	19882896	Gmdrm	hypo	CHG	-0.1213
Gm08	19894542	19894663	Gmdrm	hypo	CHG	-0.575
Gm08	19912008	19912233	Gmdrm	hypo	CHG	-0.2693
Gm08	19931131	19931340	Gmdrm	hypo	CHG	-0.505
Gm08	19935958	19936078	Gmdrm	hypo	CHG	-0.334
Gm08	19936422	19936660	Gmdrm	hypo	CHG	-0.1942
Gm08	19939266	19939425	Gmdrm	hypo	CHG	-0.4222
Gm08	19944625	19944755	Gmdrm	hypo	CHG	-0.255
Gm08	19972531	19972721	Gmdrm	hypo	CHG	-0.2328
Gm08	19978468	19978532	Gmdrm	hypo	CHG	-0.4517
Gm08	20023449	20023624	Gmdrm	hypo	CHG	-0.382
Gm08	20030041	20030224	Gmdrm	hypo	CHG	-0.0486
Gm08	20037246	20037378	Gmdrm	hypo	CHG	-0.6471
Gm08	20037492	20037534	Gmdrm	hypo	CHG	-0.5783
Gm08	20066768	20067479	Gmdrm	hypo	CHG	-0.1047
Gm08	20067673	20067915	Gmdrm	hypo	CHG	-0.4947
Gm08	20070033	20070233	Gmdrm	hypo	CHG	-0.8625
Gm08	20070364	20070628	Gmdrm	hypo	CHG	-0.8165
Gm08	20071266	20071408	Gmdrm	hypo	CHG	-0.7134
Gm08	20071512	20071531	Gmdrm	hypo	CHG	-0.6783
Gm08	20071723	20071837	Gmdrm	hypo	CHG	-0.64
Gm08	20076226	20076430	Gmdrm	hypo	CHG	-0.1489
Gm08	20086841	20087660	Gmdrm	hypo	CHG	-0.2856
Gm08	20102067	20102173	Gmdrm	hypo	CHG	-0.4734
Gm08	20104522	20104722	Gmdrm	hypo	CHG	-0.0983
Gm08	20107820	20108363	Gmdrm	hypo	CHG	-0.3975
Gm08	20118434	20118761	Gmdrm	hypo	CHG	-0.4625
Gm08	20125779	20125974	Gmdrm	hypo	CHG	-0.6287
Gm08	20136190	20136690	Gmdrm	hypo	CHG	-0.0361
Gm08	20142444	20142901	Gmdrm	hypo	CHG	-0.2695

Gm08	20146387	20146618	Gmdrm	hypo	CHG	-0.5312
Gm08	20147362	20147803	Gmdrm	hypo	CHG	-0.4343
Gm08	20165846	20166146	Gmdrm	hypo	CHG	-0.6361
Gm08	20173648	20173835	Gmdrm	hypo	CHG	-0.2011
Gm08	20180057	20180257	Gmdrm	hypo	CHG	-0.72
Gm08	20181907	20182063	Gmdrm	hypo	CHG	-0.65
Gm08	20182170	20182242	Gmdrm	hypo	CHG	-0.08
Gm08	20203717	20204001	Gmdrm	hypo	CHG	-0.0728
Gm08	20204155	20204340	Gmdrm	hypo	CHG	-0.1673
Gm08	20204466	20204745	Gmdrm	hypo	CHG	-0.0937
Gm08	20205352	20205582	Gmdrm	hypo	CHG	-0.058
Gm08	20214306	20214371	Gmdrm	hypo	CHG	-0.415
Gm08	20218405	20218568	Gmdrm	hypo	CHG	-0.4716
Gm08	20218728	20218860	Gmdrm	hypo	CHG	-0.535
Gm08	20219207	20219319	Gmdrm	hypo	CHG	-0.6663
Gm08	20224122	20224327	Gmdrm	hypo	CHG	-0.76
Gm08	20224640	20224947	Gmdrm	hypo	CHG	-0.3279
Gm08	20230262	20230601	Gmdrm	hypo	CHG	-0.2288
Gm08	20230944	20231168	Gmdrm	hypo	CHG	-0.5986
Gm08	20262520	20262822	Gmdrm	hypo	CHG	-0.3675
Gm08	20265465	20265631	Gmdrm	hypo	CHG	-0.062
Gm08	20282119	20282584	Gmdrm	hypo	CHG	-0.0493
Gm08	20300342	20301324	Gmdrm	hypo	CHG	-0.2668
Gm08	20301465	20301917	Gmdrm	hypo	CHG	-0.0861
Gm08	20302042	20302168	Gmdrm	hypo	CHG	-0.06
Gm08	20302380	20303370	Gmdrm	hypo	CHG	-0.1751
Gm08	20307207	20308205	Gmdrm	hypo	CHG	-0.172
Gm08	20308208	20309182	Gmdrm	hypo	CHG	-0.2098
Gm08	20314905	20315832	Gmdrm	hypo	CHG	-0.1723
Gm08	20319430	20319475	Gmdrm	hypo	CHG	-0.2667
Gm08	20320111	20320291	Gmdrm	hypo	CHG	-0.092
Gm08	20341774	20341903	Gmdrm	hypo	CHG	-0.754
Gm08	20344672	20344721	Gmdrm	hypo	CHG	-0.5133
Gm08	20344974	20345147	Gmdrm	hypo	CHG	-0.7533
Gm08	20345423	20345521	Gmdrm	hypo	CHG	-0.296
Gm08	20348346	20348497	Gmdrm	hypo	CHG	-0.0817
Gm08	20352167	20352246	Gmdrm	hypo	CHG	-0.7654
Gm08	20357027	20357139	Gmdrm	hypo	CHG	-0.5983
Gm08	20377222	20377564	Gmdrm	hypo	CHG	-0.052
Gm08	20384065	20384246	Gmdrm	hypo	CHG	-0.5667
Gm08	20384352	20385101	Gmdrm	hypo	CHG	-0.2346
Gm08	20396707	20396797	Gmdrm	hypo	CHG	-0.5437
Gm08	20408412	20408545	Gmdrm	hypo	CHG	-0.04
Gm08	20409809	20410001	Gmdrm	hypo	CHG	-0.0369
Gm08	20425316	20425460	Gmdrm	hypo	CHG	-0.44
Gm08	20425600	20425861	Gmdrm	hypo	CHG	-0.6964

Gm08	20442255	20442526	Gmdrm	hypo	CHG	-0.029
Gm08	20449845	20449944	Gmdrm	hypo	CHG	-0.0529
Gm08	20463968	20464106	Gmdrm	hypo	CHG	-0.5012
Gm08	20467765	20467920	Gmdrm	hypo	CHG	-0.0917
Gm08	20471988	20472208	Gmdrm	hypo	CHG	-0.421
Gm08	20484141	20484372	Gmdrm	hypo	CHG	-0.241
Gm08	20486080	20486271	Gmdrm	hypo	CHG	-0.038
Gm08	20494474	20494487	Gmdrm	hypo	CHG	-0.1157
Gm08	20496936	20497031	Gmdrm	hypo	CHG	-0.76
Gm08	20497145	20497568	Gmdrm	hypo	CHG	-0.565
Gm08	20513941	20514063	Gmdrm	hypo	CHG	-0.7615
Gm08	20514287	20514787	Gmdrm	hypo	CHG	-0.199
Gm08	20523235	20523352	Gmdrm	hypo	CHG	-0.055
Gm08	20532743	20533159	Gmdrm	hypo	CHG	-0.6156
Gm08	20533265	20533400	Gmdrm	hypo	CHG	-0.07
Gm08	20533612	20533702	Gmdrm	hypo	CHG	-0.05
Gm08	20544859	20544991	Gmdrm	hypo	CHG	-0.53
Gm08	20548075	20548197	Gmdrm	hypo	CHG	-0.267
Gm08	20548843	20549708	Gmdrm	hypo	CHG	-0.4203
Gm08	20549872	20550296	Gmdrm	hypo	CHG	-0.749
Gm08	20550593	20551145	Gmdrm	hypo	CHG	-0.1484
Gm08	20557065	20557114	Gmdrm	hypo	CHG	-0.37
Gm08	20557260	20557376	Gmdrm	hypo	CHG	-0.305
Gm08	20561015	20561146	Gmdrm	hypo	CHG	-0.548
Gm08	20566215	20566261	Gmdrm	hypo	CHG	-0.5483
Gm08	20566612	20566783	Gmdrm	hypo	CHG	-0.1126
Gm08	20570829	20571229	Gmdrm	hypo	CHG	-0.2718
Gm08	20581637	20581903	Gmdrm	hypo	CHG	-0.4269
Gm08	20605594	20606027	Gmdrm	hypo	CHG	-0.1277
Gm08	20617959	20618022	Gmdrm	hypo	CHG	-0.6
Gm08	20640195	20640345	Gmdrm	hypo	CHG	-0.3487
Gm08	20699126	20699443	Gmdrm	hypo	CHG	-0.6123
Gm08	20713062	20713277	Gmdrm	hypo	CHG	-0.8928
Gm08	20721342	20721439	Gmdrm	hypo	CHG	-0.6908
Gm08	20722706	20722795	Gmdrm	hypo	CHG	-0.8472
Gm08	20723745	20723894	Gmdrm	hypo	CHG	-0.055
Gm08	20733684	20733815	Gmdrm	hypo	CHG	-0.3957
Gm08	20734839	20734935	Gmdrm	hypo	CHG	-0.365
Gm08	20768582	20768749	Gmdrm	hypo	CHG	-0.34
Gm08	20829045	20829092	Gmdrm	hypo	CHG	-0.788
Gm08	20829635	20829877	Gmdrm	hypo	CHG	-0.1733
Gm08	20835965	20836052	Gmdrm	hypo	CHG	-0.706
Gm08	20842482	20842626	Gmdrm	hypo	CHG	-0.3833
Gm08	20843432	20843567	Gmdrm	hypo	CHG	-0.8246
Gm08	20847559	20847618	Gmdrm	hypo	CHG	-0.7275
Gm08	20881207	20881332	Gmdrm	hypo	CHG	-0.78

Gm08	20881439	20881553	Gmdrm	hypo	CHG	-0.7817
Gm08	20881804	20881850	Gmdrm	hypo	CHG	-0.655
Gm08	20886042	20886256	Gmdrm	hypo	CHG	-0.306
Gm08	20893892	20894014	Gmdrm	hypo	CHG	-0.3983
Gm08	20903371	20903766	Gmdrm	hypo	CHG	-0.6956
Gm08	20904128	20904384	Gmdrm	hypo	CHG	-0.4587
Gm08	20966098	20966269	Gmdrm	hypo	CHG	-0.117
Gm08	20970003	20970247	Gmdrm	hypo	CHG	-0.645
Gm08	21106307	21106432	Gmdrm	hypo	CHG	-0.4015
Gm08	21106598	21106696	Gmdrm	hypo	CHG	-0.1082
Gm08	21106829	21107053	Gmdrm	hypo	CHG	-0.8216
Gm08	21133076	21133296	Gmdrm	hypo	CHG	-0.7013
Gm08	21161519	21161668	Gmdrm	hypo	CHG	-0.1475
Gm08	21206391	21206507	Gmdrm	hypo	CHG	-0.2626
Gm08	21230273	21230529	Gmdrm	hypo	CHG	-0.7763
Gm08	21236416	21236790	Gmdrm	hypo	CHG	-0.0771
Gm08	21249707	21249873	Gmdrm	hypo	CHG	-0.0614
Gm08	21263160	21263574	Gmdrm	hypo	CHG	-0.1914
Gm08	21273106	21273265	Gmdrm	hypo	CHG	-0.5367
Gm08	21280696	21280882	Gmdrm	hypo	CHG	-0.3423
Gm08	21281031	21281067	Gmdrm	hypo	CHG	-0.7417
Gm08	21285617	21285931	Gmdrm	hypo	CHG	-0.361
Gm08	21293099	21293548	Gmdrm	hypo	CHG	-0.0311
Gm08	21298887	21299196	Gmdrm	hypo	CHG	-0.0201
Gm08	21300402	21300465	Gmdrm	hypo	CHG	-0.3876
Gm08	21305224	21305631	Gmdrm	hypo	CHG	-0.2462
Gm08	21305845	21306051	Gmdrm	hypo	CHG	-0.0467
Gm08	21317310	21317633	Gmdrm	hypo	CHG	-0.375
Gm08	21319103	21319684	Gmdrm	hypo	CHG	-0.4215
Gm08	21319798	21320060	Gmdrm	hypo	CHG	-0.4495
Gm08	21320190	21320321	Gmdrm	hypo	CHG	-0.53
Gm08	21321799	21322049	Gmdrm	hypo	CHG	-0.09
Gm08	21322595	21323095	Gmdrm	hypo	CHG	-0.3673
Gm08	21340363	21340544	Gmdrm	hypo	CHG	-0.7687
Gm08	21342023	21342178	Gmdrm	hypo	CHG	-0.298
Gm08	21354279	21354565	Gmdrm	hypo	CHG	-0.137
Gm08	21354963	21355005	Gmdrm	hypo	CHG	-0.2338
Gm08	21356046	21356663	Gmdrm	hypo	CHG	-0.177
Gm08	21356789	21357083	Gmdrm	hypo	CHG	-0.3366
Gm08	21357588	21357735	Gmdrm	hypo	CHG	-0.2846
Gm08	21362404	21363404	Gmdrm	hypo	CHG	-0.1773
Gm08	21363699	21364415	Gmdrm	hypo	CHG	-0.4575
Gm08	21364600	21365196	Gmdrm	hypo	CHG	-0.1859
Gm08	21366058	21366248	Gmdrm	hypo	CHG	-0.498
Gm08	21366854	21366937	Gmdrm	hypo	CHG	-0.0376
Gm08	21369357	21369547	Gmdrm	hypo	CHG	-0.6976

Gm08	21369767	21370022	Gmdrm	hypo	CHG	-0.6688
Gm08	21381960	21382285	Gmdrm	hypo	CHG	-0.0462
Gm08	21388083	21388210	Gmdrm	hypo	CHG	-0.4078
Gm08	21388566	21388685	Gmdrm	hypo	CHG	-0.0508
Gm08	21389721	21390129	Gmdrm	hypo	CHG	-0.8587
Gm08	21390600	21390716	Gmdrm	hypo	CHG	-0.7556
Gm08	21394705	21394778	Gmdrm	hypo	CHG	-0.6583
Gm08	21400874	21401185	Gmdrm	hypo	CHG	-0.0291
Gm08	21428878	21428982	Gmdrm	hypo	CHG	-0.936
Gm08	21431029	21431113	Gmdrm	hypo	CHG	-0.5151
Gm08	21433893	21433918	Gmdrm	hypo	CHG	-0.0633
Gm08	21475322	21475586	Gmdrm	hypo	CHG	-0.586
Gm08	21475737	21476224	Gmdrm	hypo	CHG	-0.1917
Gm08	21480547	21480643	Gmdrm	hypo	CHG	-0.0636
Gm08	21487024	21487607	Gmdrm	hypo	CHG	-0.3478
Gm08	21487960	21488064	Gmdrm	hypo	CHG	-0.46
Gm08	21501877	21502097	Gmdrm	hypo	CHG	-0.0483
Gm08	21512607	21512872	Gmdrm	hypo	CHG	-0.6209
Gm08	21527456	21527610	Gmdrm	hypo	CHG	-0.7257
Gm08	21527849	21528048	Gmdrm	hypo	CHG	-0.8477
Gm08	21528152	21528235	Gmdrm	hypo	CHG	-0.5133
Gm08	21569674	21569833	Gmdrm	hypo	CHG	-0.5014
Gm08	21570496	21570613	Gmdrm	hypo	CHG	-0.3588
Gm08	21570714	21571315	Gmdrm	hypo	CHG	-0.2397
Gm08	21581060	21581285	Gmdrm	hypo	CHG	-0.4214
Gm08	21590173	21590315	Gmdrm	hypo	CHG	-0.3818
Gm08	21627010	21627155	Gmdrm	hypo	CHG	-0.5791
Gm08	21627273	21627497	Gmdrm	hypo	CHG	-0.5775
Gm08	21635433	21635553	Gmdrm	hypo	CHG	-0.3284
Gm08	21675920	21676671	Gmdrm	hypo	CHG	-0.3155
Gm08	21710127	21710379	Gmdrm	hypo	CHG	-0.3573
Gm08	21716021	21716312	Gmdrm	hypo	CHG	-0.4985
Gm08	21722718	21722832	Gmdrm	hypo	CHG	-0.3057
Gm08	21731400	21731701	Gmdrm	hypo	CHG	-0.73
Gm08	21739665	21739883	Gmdrm	hypo	CHG	-0.1922
Gm08	21741020	21741336	Gmdrm	hypo	CHG	-0.0758
Gm08	21741471	21741553	Gmdrm	hypo	CHG	-0.03
Gm08	21742951	21743131	Gmdrm	hypo	CHG	-0.4414
Gm08	21747460	21747648	Gmdrm	hypo	CHG	-0.05
Gm08	21750160	21750423	Gmdrm	hypo	CHG	-0.3956
Gm08	21750575	21750742	Gmdrm	hypo	CHG	-0.3759
Gm08	21791690	21791833	Gmdrm	hypo	CHG	-0.04
Gm08	21807569	21807670	Gmdrm	hypo	CHG	-0.23
Gm08	21807935	21808006	Gmdrm	hypo	CHG	-0.1234
Gm08	21813291	21813486	Gmdrm	hypo	CHG	-0.4516
Gm08	21813657	21813728	Gmdrm	hypo	CHG	-0.706

Gm08	21813860	21814070	Gmdrm	hypo	CHG	-0.1873
Gm08	21820553	21821427	Gmdrm	hypo	CHG	-0.2032
Gm08	21833481	21833618	Gmdrm	hypo	CHG	-0.3422
Gm08	21846362	21846724	Gmdrm	hypo	CHG	-0.7267
Gm08	21852674	21852760	Gmdrm	hypo	CHG	-0.8645
Gm08	21867823	21868228	Gmdrm	hypo	CHG	-0.3286
Gm08	21882299	21882417	Gmdrm	hypo	CHG	-0.077
Gm08	21882724	21882914	Gmdrm	hypo	CHG	-0.351
Gm08	21903656	21904044	Gmdrm	hypo	CHG	-0.1993
Gm08	21904152	21904646	Gmdrm	hypo	CHG	-0.2963
Gm08	21914628	21914979	Gmdrm	hypo	CHG	-0.8373
Gm08	21915163	21915312	Gmdrm	hypo	CHG	-0.7944
Gm08	21927477	21927790	Gmdrm	hypo	CHG	-0.2304
Gm08	21934678	21934851	Gmdrm	hypo	CHG	-0.6971
Gm08	21935027	21935071	Gmdrm	hypo	CHG	-0.7483
Gm08	21937300	21937441	Gmdrm	hypo	CHG	-0.55
Gm08	21944574	21944794	Gmdrm	hypo	CHG	-0.745
Gm08	21966595	21966975	Gmdrm	hypo	CHG	-0.54
Gm08	21967184	21967238	Gmdrm	hypo	CHG	-0.1666
Gm08	21987010	21987041	Gmdrm	hypo	CHG	-0.1033
Gm08	21989077	21989863	Gmdrm	hypo	CHG	-0.2228
Gm08	21998578	21998764	Gmdrm	hypo	CHG	-0.73
Gm08	21999120	21999238	Gmdrm	hypo	CHG	-0.233
Gm08	22017380	22017992	Gmdrm	hypo	CHG	-0.4318
Gm08	22039271	22039326	Gmdrm	hypo	CHG	-0.824
Gm08	22039448	22039459	Gmdrm	hypo	CHG	-0.6434
Gm08	22056317	22056408	Gmdrm	hypo	CHG	-0.06
Gm08	22064255	22064432	Gmdrm	hypo	CHG	-0.054
Gm08	22107538	22107752	Gmdrm	hypo	CHG	-0.4222
Gm08	22134261	22134545	Gmdrm	hypo	CHG	-0.325
Gm08	22180118	22180193	Gmdrm	hypo	CHG	-0.1538
Gm08	22186626	22186815	Gmdrm	hypo	CHG	-0.0733
Gm08	22187730	22187831	Gmdrm	hypo	CHG	-0.286
Gm08	22217208	22217433	Gmdrm	hypo	CHG	-0.7833
Gm08	22218565	22219081	Gmdrm	hypo	CHG	-0.6714
Gm08	22230202	22230231	Gmdrm	hypo	CHG	-0.094
Gm08	22256862	22257235	Gmdrm	hypo	CHG	-0.095
Gm08	22261344	22261718	Gmdrm	hypo	CHG	-0.0536
Gm08	22268950	22269126	Gmdrm	hypo	CHG	-0.15
Gm08	22292773	22292883	Gmdrm	hypo	CHG	-0.8466
Gm08	22293095	22293159	Gmdrm	hypo	CHG	-0.3983
Gm08	22293284	22293428	Gmdrm	hypo	CHG	-0.6627
Gm08	22293533	22293612	Gmdrm	hypo	CHG	-0.6467
Gm08	22305731	22305810	Gmdrm	hypo	CHG	-0.826
Gm08	22332082	22332216	Gmdrm	hypo	CHG	-0.5243
Gm08	22333065	22333259	Gmdrm	hypo	CHG	-0.453

Gm08	22333608	22333712	Gmdrm	hypo	CHG	-0.166
Gm08	22333863	22334294	Gmdrm	hypo	CHG	-0.6265
Gm08	22422777	22423095	Gmdrm	hypo	CHG	-0.0785
Gm08	22425270	22425846	Gmdrm	hypo	CHG	-0.1451
Gm08	22426378	22426861	Gmdrm	hypo	CHG	-0.0959
Gm08	22427031	22428004	Gmdrm	hypo	CHG	-0.1961
Gm08	22444625	22445570	Gmdrm	hypo	CHG	-0.2882
Gm08	22445626	22446621	Gmdrm	hypo	CHG	-0.3748
Gm08	22446628	22447556	Gmdrm	hypo	CHG	-0.4218
Gm08	22447665	22448262	Gmdrm	hypo	CHG	-0.148
Gm08	22457770	22457808	Gmdrm	hypo	CHG	-0.6025
Gm08	22490786	22491277	Gmdrm	hypo	CHG	-0.2556
Gm08	22494418	22494796	Gmdrm	hypo	CHG	-0.3956
Gm08	22495206	22495256	Gmdrm	hypo	CHG	-0.8717
Gm08	22496010	22496234	Gmdrm	hypo	CHG	-0.8267
Gm08	22497635	22497823	Gmdrm	hypo	CHG	-0.222
Gm08	22503394	22503647	Gmdrm	hypo	CHG	-0.8287
Gm08	22508157	22508344	Gmdrm	hypo	CHG	-0.044
Gm08	22537686	22537850	Gmdrm	hypo	CHG	-0.044
Gm08	22538242	22538641	Gmdrm	hypo	CHG	-0.2936
Gm08	22542947	22543485	Gmdrm	hypo	CHG	-0.1918
Gm08	22559642	22559856	Gmdrm	hypo	CHG	-0.5536
Gm08	22575502	22575724	Gmdrm	hypo	CHG	-0.3587
Gm08	22581080	22582062	Gmdrm	hypo	CHG	-0.1879
Gm08	22599053	22599205	Gmdrm	hypo	CHG	-0.1463
Gm08	22601827	22601919	Gmdrm	hypo	CHG	-0.67
Gm08	22633885	22634105	Gmdrm	hypo	CHG	-0.07
Gm08	22658933	22659431	Gmdrm	hypo	CHG	-0.4834
Gm08	22668312	22668548	Gmdrm	hypo	CHG	-0.236
Gm08	22679289	22679605	Gmdrm	hypo	CHG	-0.3594
Gm08	22693902	22694166	Gmdrm	hypo	CHG	-0.9023
Gm08	22696503	22697007	Gmdrm	hypo	CHG	-0.4804
Gm08	22708824	22709084	Gmdrm	hypo	CHG	-0.4775
Gm08	22742054	22742569	Gmdrm	hypo	CHG	-0.2323
Gm08	22743424	22743752	Gmdrm	hypo	CHG	-0.2533
Gm08	22829709	22830026	Gmdrm	hypo	CHG	-0.3547
Gm08	22837130	22837191	Gmdrm	hypo	CHG	-0.3266
Gm08	22859776	22860253	Gmdrm	hypo	CHG	-0.4876
Gm08	22935880	22935938	Gmdrm	hypo	CHG	-0.2683
Gm08	22944889	22944944	Gmdrm	hypo	CHG	-0.24
Gm08	22950037	22950399	Gmdrm	hypo	CHG	-0.0692
Gm08	22954629	22954824	Gmdrm	hypo	CHG	-0.2934
Gm08	22955844	22955988	Gmdrm	hypo	CHG	-0.6728
Gm08	22979229	22979326	Gmdrm	hypo	CHG	-0.1108
Gm08	23009773	23009918	Gmdrm	hypo	CHG	-0.352
Gm08	23097132	23097431	Gmdrm	hypo	CHG	-0.5633

Gm08	23097556	23097742	Gmdrm	hypo	CHG	-0.6785
Gm08	23100716	23101111	Gmdrm	hypo	CHG	-0.225
Gm08	23101213	23101547	Gmdrm	hypo	CHG	-0.1923
Gm08	23180878	23181001	Gmdrm	hypo	CHG	-0.438
Gm08	23188573	23188886	Gmdrm	hypo	CHG	-0.844
Gm08	23220003	23220208	Gmdrm	hypo	CHG	-0.035
Gm08	23227876	23227968	Gmdrm	hypo	CHG	-0.194
Gm08	23236685	23237093	Gmdrm	hypo	CHG	-0.8341
Gm08	23237262	23237533	Gmdrm	hypo	CHG	-0.8575
Gm08	23237649	23237782	Gmdrm	hypo	CHG	-0.865
Gm08	23245970	23246178	Gmdrm	hypo	CHG	-0.1033
Gm08	23265504	23265729	Gmdrm	hypo	CHG	-0.344
Gm08	23265847	23265876	Gmdrm	hypo	CHG	-0.15
Gm08	23270614	23270736	Gmdrm	hypo	CHG	-0.4624
Gm08	23270961	23271164	Gmdrm	hypo	CHG	-0.4211
Gm08	23288837	23289062	Gmdrm	hypo	CHG	-0.085
Gm08	23293515	23293619	Gmdrm	hypo	CHG	-0.188
Gm08	23312645	23312912	Gmdrm	hypo	CHG	-0.395
Gm08	23326390	23326587	Gmdrm	hypo	CHG	-0.6384
Gm08	23335013	23335157	Gmdrm	hypo	CHG	-0.0571
Gm08	23346353	23346451	Gmdrm	hypo	CHG	-0.518
Gm08	23353435	23353689	Gmdrm	hypo	CHG	-0.1057
Gm08	23368738	23368939	Gmdrm	hypo	CHG	-0.4755
Gm08	23457257	23457533	Gmdrm	hypo	CHG	-0.0355
Gm08	23474066	23474306	Gmdrm	hypo	CHG	-0.4645
Gm08	23474703	23474925	Gmdrm	hypo	CHG	-0.3691
Gm08	23475653	23476006	Gmdrm	hypo	CHG	-0.2792
Gm08	23484789	23485143	Gmdrm	hypo	CHG	-0.0373
Gm08	23505586	23505740	Gmdrm	hypo	CHG	-0.05
Gm08	23531483	23531597	Gmdrm	hypo	CHG	-0.8264
Gm08	23540515	23540722	Gmdrm	hypo	CHG	-0.56
Gm08	23541193	23541317	Gmdrm	hypo	CHG	-0.5811
Gm08	23541722	23542289	Gmdrm	hypo	CHG	-0.5474
Gm08	23543675	23544233	Gmdrm	hypo	CHG	-0.3792
Gm08	23545050	23545493	Gmdrm	hypo	CHG	-0.0307
Gm08	23559172	23559438	Gmdrm	hypo	CHG	-0.4291
Gm08	23562993	23563795	Gmdrm	hypo	CHG	-0.2244
Gm08	23621557	23621597	Gmdrm	hypo	CHG	-0.735
Gm08	23622531	23622619	Gmdrm	hypo	CHG	-0.081
Gm08	23634646	23634703	Gmdrm	hypo	CHG	-0.06
Gm08	23636671	23636995	Gmdrm	hypo	CHG	-0.2075
Gm08	23685222	23685852	Gmdrm	hypo	CHG	-0.2897
Gm08	23703788	23704009	Gmdrm	hypo	CHG	-0.279
Gm08	23843769	23843830	Gmdrm	hypo	CHG	-0.055
Gm08	23844038	23844053	Gmdrm	hypo	CHG	-0.084
Gm08	23946743	23947044	Gmdrm	hypo	CHG	-0.2808

Gm08	24225998	24226151	Gmdrm	hypo	CHG	-0.4566
Gm08	24305073	24305182	Gmdrm	hypo	CHG	-0.8
Gm08	24326528	24326593	Gmdrm	hypo	CHG	-0.1062
Gm08	24461129	24461193	Gmdrm	hypo	CHG	-0.32
Gm08	25188679	25189071	Gmdrm	hypo	CHG	-0.6395
Gm08	25674933	25675122	Gmdrm	hypo	CHG	-0.302
Gm08	25807385	25807500	Gmdrm	hypo	CHG	-0.452
Gm08	26224501	26224518	Gmdrm	hypo	CHG	-0.2383
Gm08	26372239	26372270	Gmdrm	hypo	CHG	-0.5066
Gm08	26605811	26605860	Gmdrm	hypo	CHG	-0.106
Gm08	26972164	26972481	Gmdrm	hypo	CHG	-0.259
Gm08	27305347	27305416	Gmdrm	hypo	CHG	-0.3967
Gm08	27446519	27446706	Gmdrm	hypo	CHG	-0.2756
Gm08	27468853	27468925	Gmdrm	hypo	CHG	-0.1983
Gm08	28207750	28207867	Gmdrm	hypo	CHG	-0.1081
Gm08	28414238	28414341	Gmdrm	hypo	CHG	-0.042
Gm08	28417174	28417598	Gmdrm	hypo	CHG	-0.2195
Gm08	28417707	28418668	Gmdrm	hypo	CHG	-0.302
Gm08	28425917	28426029	Gmdrm	hypo	CHG	-0.4854
Gm08	28600284	28600384	Gmdrm	hypo	CHG	-0.2325
Gm08	28603999	28604263	Gmdrm	hypo	CHG	-0.12
Gm08	28640631	28640933	Gmdrm	hypo	CHG	-0.472
Gm08	28652480	28652717	Gmdrm	hypo	CHG	-0.4742
Gm08	28653634	28653701	Gmdrm	hypo	CHG	-0.378
Gm08	28657037	28657186	Gmdrm	hypo	CHG	-0.066
Gm08	28875821	28876074	Gmdrm	hypo	CHG	-0.2094
Gm08	28928469	28928772	Gmdrm	hypo	CHG	-0.3043
Gm08	29029754	29029898	Gmdrm	hypo	CHG	-0.5276
Gm08	29031859	29032070	Gmdrm	hypo	CHG	-0.6783
Gm08	29032179	29032278	Gmdrm	hypo	CHG	-0.6633
Gm08	29046181	29046537	Gmdrm	hypo	CHG	-0.3131
Gm08	29254847	29254864	Gmdrm	hypo	CHG	-0.15
Gm08	29278890	29279117	Gmdrm	hypo	CHG	-0.24
Gm08	29279229	29279411	Gmdrm	hypo	CHG	-0.1792
Gm08	29317349	29318300	Gmdrm	hypo	CHG	-0.2853
Gm08	29352709	29353584	Gmdrm	hypo	CHG	-0.1998
Gm08	29748787	29748862	Gmdrm	hypo	CHG	-0.2134
Gm08	29771910	29772002	Gmdrm	hypo	CHG	-0.3887
Gm08	29773056	29773259	Gmdrm	hypo	CHG	-0.2254
Gm08	29873868	29873907	Gmdrm	hypo	CHG	-0.305
Gm08	29878229	29878467	Gmdrm	hypo	CHG	-0.0375
Gm08	29878710	29878830	Gmdrm	hypo	CHG	-0.47
Gm08	29929810	29929874	Gmdrm	hypo	CHG	-0.645
Gm08	30092293	30092400	Gmdrm	hypo	CHG	-0.04
Gm08	30097630	30097720	Gmdrm	hypo	CHG	-0.3183
Gm08	30098279	30098414	Gmdrm	hypo	CHG	-0.1625

Gm08	30210113	30210393	Gmdrm	hypo	CHG	-0.1325
Gm08	30216862	30216901	Gmdrm	hypo	CHG	-0.0763
Gm08	30923388	30923463	Gmdrm	hypo	CHG	-0.102
Gm08	30930105	30930519	Gmdrm	hypo	CHG	-0.2469
Gm08	30930774	30930936	Gmdrm	hypo	CHG	-0.0571
Gm08	30931051	30932034	Gmdrm	hypo	CHG	-0.1227
Gm08	30938071	30938232	Gmdrm	hypo	CHG	-0.13
Gm08	30938390	30938448	Gmdrm	hypo	CHG	-0.4816
Gm08	30953866	30954080	Gmdrm	hypo	CHG	-0.045
Gm08	30957116	30957248	Gmdrm	hypo	CHG	-0.661
Gm08	31141652	31142037	Gmdrm	hypo	CHG	-0.1196
Gm08	31295065	31295274	Gmdrm	hypo	CHG	-0.0955
Gm08	31321891	31321903	Gmdrm	hypo	CHG	-0.1233
Gm08	31754952	31755092	Gmdrm	hypo	CHG	-0.6399
Gm08	31859824	31860041	Gmdrm	hypo	CHG	-0.085
Gm08	32268642	32268817	Gmdrm	hypo	CHG	-0.308
Gm08	32675842	32676329	Gmdrm	hypo	CHG	-0.1569
Gm08	32680454	32680753	Gmdrm	hypo	CHG	-0.115
Gm08	32687036	32687193	Gmdrm	hypo	CHG	-0.0325
Gm08	32689364	32689508	Gmdrm	hypo	CHG	-0.0389
Gm08	32700039	32700073	Gmdrm	hypo	CHG	-0.135
Gm08	32723622	32724058	Gmdrm	hypo	CHG	-0.4216
Gm08	32770657	32770724	Gmdrm	hypo	CHG	-0.056
Gm08	32811990	32812293	Gmdrm	hypo	CHG	-0.5173
Gm08	32826680	32827670	Gmdrm	hypo	CHG	-0.1781
Gm08	33396898	33397886	Gmdrm	hypo	CHG	-0.0721
Gm08	33588379	33588422	Gmdrm	hypo	CHG	-0.6467
Gm08	33605753	33605824	Gmdrm	hypo	CHG	-0.1934
Gm08	33622920	33623236	Gmdrm	hypo	CHG	-0.2704
Gm08	33625378	33625879	Gmdrm	hypo	CHG	-0.0562
Gm08	33627951	33628473	Gmdrm	hypo	CHG	-0.085
Gm08	33628608	33628887	Gmdrm	hypo	CHG	-0.4091
Gm08	33630248	33630880	Gmdrm	hypo	CHG	-0.1329
Gm08	33631429	33631801	Gmdrm	hypo	CHG	-0.0694
Gm08	33632105	33632422	Gmdrm	hypo	CHG	-0.593
Gm08	33644468	33644863	Gmdrm	hypo	CHG	-0.05
Gm08	33667717	33667887	Gmdrm	hypo	CHG	-0.24
Gm08	34005013	34005291	Gmdrm	hypo	CHG	-0.395
Gm08	34007576	34007991	Gmdrm	hypo	CHG	-0.2444
Gm08	34025773	34025849	Gmdrm	hypo	CHG	-0.5734
Gm08	34025983	34026059	Gmdrm	hypo	CHG	-0.67
Gm08	34068855	34069096	Gmdrm	hypo	CHG	-0.8146
Gm08	34105000	34105097	Gmdrm	hypo	CHG	-0.2434
Gm08	34105413	34105562	Gmdrm	hypo	CHG	-0.5846
Gm08	34121404	34121668	Gmdrm	hypo	CHG	-0.3336
Gm08	34123163	34123299	Gmdrm	hypo	CHG	-0.334

Gm08	34125757	34125869	Gmdrm	hypo	CHG	-0.725
Gm08	34126040	34126410	Gmdrm	hypo	CHG	-0.4694
Gm08	34126685	34126747	Gmdrm	hypo	CHG	-0.394
Gm08	34131104	34131371	Gmdrm	hypo	CHG	-0.4823
Gm08	34131896	34132769	Gmdrm	hypo	CHG	-0.4858
Gm08	34132872	34133176	Gmdrm	hypo	CHG	-0.43
Gm08	34133334	34133500	Gmdrm	hypo	CHG	-0.4784
Gm08	34133613	34133692	Gmdrm	hypo	CHG	-0.6575
Gm08	34143888	34144347	Gmdrm	hypo	CHG	-0.6589
Gm08	34144815	34144946	Gmdrm	hypo	CHG	-0.3089
Gm08	34150262	34150298	Gmdrm	hypo	CHG	-0.7283
Gm08	34150534	34150721	Gmdrm	hypo	CHG	-0.6905
Gm08	34150906	34151130	Gmdrm	hypo	CHG	-0.445
Gm08	34151275	34151374	Gmdrm	hypo	CHG	-0.1072
Gm08	34153432	34153708	Gmdrm	hypo	CHG	-0.776
Gm08	34162740	34162790	Gmdrm	hypo	CHG	-0.4467
Gm08	34170307	34170457	Gmdrm	hypo	CHG	-0.724
Gm08	34188237	34188440	Gmdrm	hypo	CHG	-0.6856
Gm08	34198898	34199030	Gmdrm	hypo	CHG	-0.47
Gm08	34278401	34278578	Gmdrm	hypo	CHG	-0.03
Gm08	34345810	34346060	Gmdrm	hypo	CHG	-0.403
Gm08	34348992	34349150	Gmdrm	hypo	CHG	-0.7063
Gm08	34351113	34351287	Gmdrm	hypo	CHG	-0.43
Gm08	34377552	34377780	Gmdrm	hypo	CHG	-0.5033
Gm08	34384847	34385116	Gmdrm	hypo	CHG	-0.417
Gm08	34398958	34399000	Gmdrm	hypo	CHG	-0.335
Gm08	34500134	34500353	Gmdrm	hypo	CHG	-0.4513
Gm08	34502817	34502995	Gmdrm	hypo	CHG	-0.5827
Gm08	34503099	34503163	Gmdrm	hypo	CHG	-0.51
Gm08	34503304	34503480	Gmdrm	hypo	CHG	-0.2125
Gm08	34504545	34504897	Gmdrm	hypo	CHG	-0.58
Gm08	34528503	34528661	Gmdrm	hypo	CHG	-0.04
Gm08	34536693	34537214	Gmdrm	hypo	CHG	-0.3367
Gm08	34540789	34540967	Gmdrm	hypo	CHG	-0.3657
Gm08	34554431	34554498	Gmdrm	hypo	CHG	-0.7117
Gm08	34555432	34555765	Gmdrm	hypo	CHG	-0.5958
Gm08	34754658	34754829	Gmdrm	hypo	CHG	-0.652
Gm08	34797182	34797363	Gmdrm	hypo	CHG	-0.3891
Gm08	34828275	34828628	Gmdrm	hypo	CHG	-0.5873
Gm08	34832211	34832436	Gmdrm	hypo	CHG	-0.2763
Gm08	34842541	34842626	Gmdrm	hypo	CHG	-0.835
Gm08	34850357	34850462	Gmdrm	hypo	CHG	-0.42
Gm08	34878715	34878920	Gmdrm	hypo	CHG	-0.4333
Gm08	34882607	34882758	Gmdrm	hypo	CHG	-0.2633
Gm08	34886853	34886990	Gmdrm	hypo	CHG	-0.1945
Gm08	34924541	34924747	Gmdrm	hypo	CHG	-0.7939

Gm08	34925178	34925410	Gmdrm	hypo	CHG	-0.3138
Gm08	34974952	34975471	Gmdrm	hypo	CHG	-0.4069
Gm08	34976242	34976818	Gmdrm	hypo	CHG	-0.4434
Gm08	34976946	34977602	Gmdrm	hypo	CHG	-0.4261
Gm08	34981518	34982224	Gmdrm	hypo	CHG	-0.1516
Gm08	34982411	34982494	Gmdrm	hypo	CHG	-0.6989
Gm08	34982605	34982942	Gmdrm	hypo	CHG	-0.6078
Gm08	34983044	34983481	Gmdrm	hypo	CHG	-0.5162
Gm08	34983612	34984050	Gmdrm	hypo	CHG	-0.1927
Gm08	34984163	34984351	Gmdrm	hypo	CHG	-0.5943
Gm08	34986634	34987058	Gmdrm	hypo	CHG	-0.0832
Gm08	34994102	34994350	Gmdrm	hypo	CHG	-0.6891
Gm08	34996284	34996360	Gmdrm	hypo	CHG	-0.7172
Gm08	35016750	35016905	Gmdrm	hypo	CHG	-0.6456
Gm08	35017014	35017126	Gmdrm	hypo	CHG	-0.496
Gm08	35017375	35017511	Gmdrm	hypo	CHG	-0.5914
Gm08	35017641	35017804	Gmdrm	hypo	CHG	-0.2313
Gm08	35018503	35018572	Gmdrm	hypo	CHG	-0.3267
Gm08	35018696	35018952	Gmdrm	hypo	CHG	-0.516
Gm08	35028257	35028717	Gmdrm	hypo	CHG	-0.3478
Gm08	35047991	35048082	Gmdrm	hypo	CHG	-0.726
Gm08	35048572	35048690	Gmdrm	hypo	CHG	-0.71
Gm08	35052633	35052785	Gmdrm	hypo	CHG	-0.056
Gm08	35094407	35094655	Gmdrm	hypo	CHG	-0.1154
Gm08	35111598	35111672	Gmdrm	hypo	CHG	-0.7117
Gm08	35111819	35112027	Gmdrm	hypo	CHG	-0.7355
Gm08	35127025	35127205	Gmdrm	hypo	CHG	-0.42
Gm08	35152035	35152115	Gmdrm	hypo	CHG	-0.275
Gm08	35153913	35154222	Gmdrm	hypo	CHG	-0.146
Gm08	35156567	35157190	Gmdrm	hypo	CHG	-0.1597
Gm08	35159365	35159609	Gmdrm	hypo	CHG	-0.617
Gm08	35161839	35161916	Gmdrm	hypo	CHG	-0.244
Gm08	35209292	35209520	Gmdrm	hypo	CHG	-0.3075
Gm08	35219776	35220261	Gmdrm	hypo	CHG	-0.2192
Gm08	35220726	35220925	Gmdrm	hypo	CHG	-0.172
Gm08	35251030	35251295	Gmdrm	hypo	CHG	-0.305
Gm08	35251848	35251893	Gmdrm	hypo	CHG	-0.3367
Gm08	35373182	35373329	Gmdrm	hypo	CHG	-0.349
Gm08	35392123	35392255	Gmdrm	hypo	CHG	-0.4112
Gm08	35409495	35409723	Gmdrm	hypo	CHG	-0.3969
Gm08	35415535	35415688	Gmdrm	hypo	CHG	-0.2188
Gm08	35454689	35454856	Gmdrm	hypo	CHG	-0.6175
Gm08	35455299	35455453	Gmdrm	hypo	CHG	-0.6469
Gm08	35477405	35477520	Gmdrm	hypo	CHG	-0.4617
Gm08	35549588	35549660	Gmdrm	hypo	CHG	-0.275
Gm08	35554948	35555243	Gmdrm	hypo	CHG	-0.2745

Gm08	35600033	35600105	Gmdrm	hypo	CHG	-0.1429
Gm08	35630727	35631258	Gmdrm	hypo	CHG	-0.3038
Gm08	35635314	35635418	Gmdrm	hypo	CHG	-0.19
Gm08	35637047	35637196	Gmdrm	hypo	CHG	-0.5483
Gm08	35638195	35638419	Gmdrm	hypo	CHG	-0.1872
Gm08	35638556	35639308	Gmdrm	hypo	CHG	-0.3898
Gm08	35643965	35644131	Gmdrm	hypo	CHG	-0.0872
Gm08	35644868	35644964	Gmdrm	hypo	CHG	-0.054
Gm08	35652542	35652693	Gmdrm	hypo	CHG	-0.459
Gm08	35653646	35653827	Gmdrm	hypo	CHG	-0.0517
Gm08	35721800	35722048	Gmdrm	hypo	CHG	-0.7727
Gm08	35807111	35807208	Gmdrm	hypo	CHG	-0.36
Gm08	35813020	35813235	Gmdrm	hypo	CHG	-0.4512
Gm08	35817127	35817283	Gmdrm	hypo	CHG	-0.319
Gm08	35837691	35837767	Gmdrm	hypo	CHG	-0.4316
Gm08	35854461	35854880	Gmdrm	hypo	CHG	-0.4042
Gm08	35902310	35902374	Gmdrm	hypo	CHG	-0.1434
Gm08	36042585	36042690	Gmdrm	hypo	CHG	-0.545
Gm08	36061421	36061723	Gmdrm	hypo	CHG	-0.365
Gm08	36068120	36068784	Gmdrm	hypo	CHG	-0.7816
Gm08	36075814	36075959	Gmdrm	hypo	CHG	-0.0243
Gm08	36118359	36118476	Gmdrm	hypo	CHG	-0.554
Gm08	36118715	36118852	Gmdrm	hypo	CHG	-0.6284
Gm08	36184894	36184920	Gmdrm	hypo	CHG	-0.095
Gm08	36191247	36192070	Gmdrm	hypo	CHG	-0.2432
Gm08	36199644	36199772	Gmdrm	hypo	CHG	-0.0917
Gm08	36203801	36203937	Gmdrm	hypo	CHG	-0.052
Gm08	36258914	36259259	Gmdrm	hypo	CHG	-0.1091
Gm08	36286640	36287243	Gmdrm	hypo	CHG	-0.27
Gm08	36290267	36290441	Gmdrm	hypo	CHG	-0.3966
Gm08	36358188	36358721	Gmdrm	hypo	CHG	-0.3595
Gm08	36366119	36366333	Gmdrm	hypo	CHG	-0.0383
Gm08	36368839	36369059	Gmdrm	hypo	CHG	-0.5125
Gm08	36369235	36369488	Gmdrm	hypo	CHG	-0.3607
Gm08	36373578	36373688	Gmdrm	hypo	CHG	-0.1842
Gm08	36376114	36376144	Gmdrm	hypo	CHG	-0.1433
Gm08	36376655	36376799	Gmdrm	hypo	CHG	-0.5457
Gm08	36378995	36379258	Gmdrm	hypo	CHG	-0.0557
Gm08	36382808	36383007	Gmdrm	hypo	CHG	-0.791
Gm08	36392246	36392443	Gmdrm	hypo	CHG	-0.3355
Gm08	36396074	36396229	Gmdrm	hypo	CHG	-0.646
Gm08	36396760	36396802	Gmdrm	hypo	CHG	-0.412
Gm08	36401794	36401881	Gmdrm	hypo	CHG	-0.8838
Gm08	36469545	36469671	Gmdrm	hypo	CHG	-0.278
Gm08	36497112	36497382	Gmdrm	hypo	CHG	-0.045
Gm08	36506161	36506296	Gmdrm	hypo	CHG	-0.24

Gm08	36509049	36509225	Gmdrm	hypo	CHG	-0.753
Gm08	36509333	36509945	Gmdrm	hypo	CHG	-0.2518
Gm08	36533662	36533870	Gmdrm	hypo	CHG	-0.1527
Gm08	36597102	36597200	Gmdrm	hypo	CHG	-0.0814
Gm08	36599194	36599354	Gmdrm	hypo	CHG	-0.195
Gm08	36632406	36632614	Gmdrm	hypo	CHG	-0.7272
Gm08	36643756	36643886	Gmdrm	hypo	CHG	-0.48
Gm08	36644044	36644156	Gmdrm	hypo	CHG	-0.4656
Gm08	36644294	36644330	Gmdrm	hypo	CHG	-0.4767
Gm08	36644483	36644913	Gmdrm	hypo	CHG	-0.4806
Gm08	36645043	36645890	Gmdrm	hypo	CHG	-0.5025
Gm08	36659794	36660424	Gmdrm	hypo	CHG	-0.2251
Gm08	36736529	36736739	Gmdrm	hypo	CHG	-0.3614
Gm08	36799255	36799413	Gmdrm	hypo	CHG	-0.045
Gm08	36898218	36898253	Gmdrm	hypo	CHG	-0.162
Gm08	37052875	37053443	Gmdrm	hypo	CHG	-0.2124
Gm08	37069941	37070061	Gmdrm	hypo	CHG	-0.084
Gm08	37089320	37089797	Gmdrm	hypo	CHG	-0.2162
Gm08	37116796	37116882	Gmdrm	hypo	CHG	-0.0714
Gm08	37124723	37124814	Gmdrm	hypo	CHG	-0.47
Gm08	37133490	37133657	Gmdrm	hypo	CHG	-0.0857
Gm08	37145826	37146106	Gmdrm	hypo	CHG	-0.64
Gm08	37162137	37162215	Gmdrm	hypo	CHG	-0.5983
Gm08	37176119	37176277	Gmdrm	hypo	CHG	-0.3884
Gm08	37241471	37241593	Gmdrm	hypo	CHG	-0.1367
Gm08	37241716	37241820	Gmdrm	hypo	CHG	-0.1337
Gm08	37241922	37241940	Gmdrm	hypo	CHG	-0.1083
Gm08	37243999	37244141	Gmdrm	hypo	CHG	-0.5518
Gm08	37244279	37244378	Gmdrm	hypo	CHG	-0.5389
Gm08	37245424	37245645	Gmdrm	hypo	CHG	-0.2887
Gm08	37252383	37252502	Gmdrm	hypo	CHG	-0.3637
Gm08	37260002	37260024	Gmdrm	hypo	CHG	-0.718
Gm08	37306039	37306282	Gmdrm	hypo	CHG	-0.706
Gm08	37306385	37307375	Gmdrm	hypo	CHG	-0.4598
Gm08	37312319	37312555	Gmdrm	hypo	CHG	-0.045
Gm08	37338628	37338759	Gmdrm	hypo	CHG	-0.6433
Gm08	37342145	37342441	Gmdrm	hypo	CHG	-0.4809
Gm08	37480488	37480556	Gmdrm	hypo	CHG	-0.1567
Gm08	37577887	37578189	Gmdrm	hypo	CHG	-0.3894
Gm08	37941743	37941870	Gmdrm	hypo	CHG	-0.188
Gm08	37952748	37952820	Gmdrm	hypo	CHG	-0.514
Gm08	37967318	37967352	Gmdrm	hypo	CHG	-0.92
Gm08	37969539	37970127	Gmdrm	hypo	CHG	-0.2771
Gm08	37970253	37970327	Gmdrm	hypo	CHG	-0.86
Gm08	37970432	37970581	Gmdrm	hypo	CHG	-0.6618
Gm08	37970683	37970924	Gmdrm	hypo	CHG	-0.6033

Gm08	37991448	37991937	Gmdrm	hypo	CHG	-0.6241
Gm08	37999613	37999784	Gmdrm	hypo	CHG	-0.743
Gm08	38002922	38002993	Gmdrm	hypo	CHG	-0.1972
Gm08	38025694	38025850	Gmdrm	hypo	CHG	-0.07
Gm08	38039187	38039367	Gmdrm	hypo	CHG	-0.2207
Gm08	38067384	38067602	Gmdrm	hypo	CHG	-0.3871
Gm08	38067724	38067831	Gmdrm	hypo	CHG	-0.616
Gm08	38095324	38095494	Gmdrm	hypo	CHG	-0.541
Gm08	38095702	38095942	Gmdrm	hypo	CHG	-0.3277
Gm08	38100272	38100454	Gmdrm	hypo	CHG	-0.316
Gm08	38127569	38127813	Gmdrm	hypo	CHG	-0.8078
Gm08	38128159	38128354	Gmdrm	hypo	CHG	-0.4967
Gm08	38128477	38128552	Gmdrm	hypo	CHG	-0.545
Gm08	38128947	38129646	Gmdrm	hypo	CHG	-0.6888
Gm08	38132834	38133006	Gmdrm	hypo	CHG	-0.3
Gm08	38133114	38133442	Gmdrm	hypo	CHG	-0.3182
Gm08	38158593	38158722	Gmdrm	hypo	CHG	-0.6237
Gm08	38199301	38199711	Gmdrm	hypo	CHG	-0.2788
Gm08	38201069	38201386	Gmdrm	hypo	CHG	-0.3767
Gm08	38220625	38220809	Gmdrm	hypo	CHG	-0.599
Gm08	38228984	38229090	Gmdrm	hypo	CHG	-0.356
Gm08	38232489	38232632	Gmdrm	hypo	CHG	-0.4362
Gm08	38232975	38233137	Gmdrm	hypo	CHG	-0.495
Gm08	38233242	38233374	Gmdrm	hypo	CHG	-0.4133
Gm08	38233615	38233671	Gmdrm	hypo	CHG	-0.29
Gm08	38256746	38256925	Gmdrm	hypo	CHG	-0.0413
Gm08	38257094	38257304	Gmdrm	hypo	CHG	-0.8033
Gm08	38257535	38257821	Gmdrm	hypo	CHG	-0.7771
Gm08	38268115	38268220	Gmdrm	hypo	CHG	-0.4767
Gm08	38318201	38318376	Gmdrm	hypo	CHG	-0.064
Gm08	38326561	38326620	Gmdrm	hypo	CHG	-0.3816
Gm08	38327104	38327194	Gmdrm	hypo	CHG	-0.2417
Gm08	38337274	38337388	Gmdrm	hypo	CHG	-0.312
Gm08	38339303	38339501	Gmdrm	hypo	CHG	-0.4789
Gm08	38346437	38346889	Gmdrm	hypo	CHG	-0.3109
Gm08	38385370	38386081	Gmdrm	hypo	CHG	-0.1612
Gm08	38398064	38398221	Gmdrm	hypo	CHG	-0.1708
Gm08	38399862	38399969	Gmdrm	hypo	CHG	-0.0383
Gm08	38400365	38400511	Gmdrm	hypo	CHG	-0.052
Gm08	38408247	38408436	Gmdrm	hypo	CHG	-0.178
Gm08	38413247	38413323	Gmdrm	hypo	CHG	-0.5867
Gm08	38413929	38414005	Gmdrm	hypo	CHG	-0.308
Gm08	38414496	38414578	Gmdrm	hypo	CHG	-0.33
Gm08	38415987	38416125	Gmdrm	hypo	CHG	-0.2657
Gm08	38423349	38423688	Gmdrm	hypo	CHG	-0.388
Gm08	38441727	38441984	Gmdrm	hypo	CHG	-0.2387

Gm08	38442516	38442634	Gmdrm	hypo	CHG	-0.718
Gm08	38462746	38462857	Gmdrm	hypo	CHG	-0.7666
Gm08	38462978	38463110	Gmdrm	hypo	CHG	-0.725
Gm08	38463239	38463540	Gmdrm	hypo	CHG	-0.6839
Gm08	38465142	38465341	Gmdrm	hypo	CHG	-0.608
Gm08	38465738	38465970	Gmdrm	hypo	CHG	-0.4116
Gm08	38468724	38468986	Gmdrm	hypo	CHG	-0.3553
Gm08	38536343	38536524	Gmdrm	hypo	CHG	-0.296
Gm08	38555232	38555526	Gmdrm	hypo	CHG	-0.495
Gm08	38560158	38560254	Gmdrm	hypo	CHG	-0.058
Gm08	38579749	38579917	Gmdrm	hypo	CHG	-0.7833
Gm08	38581123	38581392	Gmdrm	hypo	CHG	-0.2558
Gm08	38582057	38582373	Gmdrm	hypo	CHG	-0.7005
Gm08	38582532	38582833	Gmdrm	hypo	CHG	-0.5365
Gm08	38594087	38594317	Gmdrm	hypo	CHG	-0.3153
Gm08	38630019	38630162	Gmdrm	hypo	CHG	-0.205
Gm08	38630531	38630622	Gmdrm	hypo	CHG	-0.34
Gm08	38630953	38631326	Gmdrm	hypo	CHG	-0.587
Gm08	38632797	38632844	Gmdrm	hypo	CHG	-0.028
Gm08	38664717	38664905	Gmdrm	hypo	CHG	-0.7318
Gm08	38665022	38665442	Gmdrm	hypo	CHG	-0.7588
Gm08	38665582	38665634	Gmdrm	hypo	CHG	-0.41
Gm08	38667796	38668074	Gmdrm	hypo	CHG	-0.042
Gm08	38669288	38669434	Gmdrm	hypo	CHG	-0.666
Gm08	38695798	38695943	Gmdrm	hypo	CHG	-0.1057
Gm08	38699901	38700066	Gmdrm	hypo	CHG	-0.116
Gm08	38700683	38700928	Gmdrm	hypo	CHG	-0.6572
Gm08	38713391	38713450	Gmdrm	hypo	CHG	-0.1733
Gm08	38722545	38722710	Gmdrm	hypo	CHG	-0.0715
Gm08	38742104	38742255	Gmdrm	hypo	CHG	-0.5467
Gm08	38742403	38742563	Gmdrm	hypo	CHG	-0.7425
Gm08	38747542	38747704	Gmdrm	hypo	CHG	-0.038
Gm08	38752979	38753096	Gmdrm	hypo	CHG	-0.7987
Gm08	38753391	38753611	Gmdrm	hypo	CHG	-0.746
Gm08	38754376	38755114	Gmdrm	hypo	CHG	-0.3815
Gm08	38755234	38755829	Gmdrm	hypo	CHG	-0.7337
Gm08	38764521	38764705	Gmdrm	hypo	CHG	-0.53
Gm08	38769321	38769859	Gmdrm	hypo	CHG	-0.335
Gm08	38771489	38771553	Gmdrm	hypo	CHG	-0.334
Gm08	38771679	38771725	Gmdrm	hypo	CHG	-0.934
Gm08	38773041	38773551	Gmdrm	hypo	CHG	-0.8176
Gm08	38779893	38780012	Gmdrm	hypo	CHG	-0.752
Gm08	38780393	38780688	Gmdrm	hypo	CHG	-0.6669
Gm08	38792805	38792835	Gmdrm	hypo	CHG	-0.548
Gm08	38792967	38793336	Gmdrm	hypo	CHG	-0.3777
Gm08	38798541	38798803	Gmdrm	hypo	CHG	-0.2638

Gm08	38798937	38799502	Gmdrm	hypo	CHG	-0.5313
Gm08	38799923	38800131	Gmdrm	hypo	CHG	-0.36
Gm08	38800913	38801377	Gmdrm	hypo	CHG	-0.5632
Gm08	38820172	38820524	Gmdrm	hypo	CHG	-0.344
Gm08	38820682	38821661	Gmdrm	hypo	CHG	-0.4377
Gm08	38827789	38827870	Gmdrm	hypo	CHG	-0.0367
Gm08	38850083	38850238	Gmdrm	hypo	CHG	-0.484
Gm08	38858459	38858635	Gmdrm	hypo	CHG	-0.4075
Gm08	38870585	38871013	Gmdrm	hypo	CHG	-0.3823
Gm08	38874908	38875092	Gmdrm	hypo	CHG	-0.082
Gm08	38875194	38875237	Gmdrm	hypo	CHG	-0.105
Gm08	38889972	38890289	Gmdrm	hypo	CHG	-0.8487
Gm08	38891151	38891283	Gmdrm	hypo	CHG	-0.2234
Gm08	38949417	38949543	Gmdrm	hypo	CHG	-0.128
Gm08	38955129	38955369	Gmdrm	hypo	CHG	-0.1536
Gm08	38966679	38966806	Gmdrm	hypo	CHG	-0.56
Gm08	38975984	38976068	Gmdrm	hypo	CHG	-0.6767
Gm08	38976195	38976288	Gmdrm	hypo	CHG	-0.5683
Gm08	38994097	38994488	Gmdrm	hypo	CHG	-0.9013
Gm08	38994658	38994841	Gmdrm	hypo	CHG	-0.7464
Gm08	38996627	38997035	Gmdrm	hypo	CHG	-0.0715
Gm08	39007736	39007827	Gmdrm	hypo	CHG	-0.335
Gm08	39015273	39015401	Gmdrm	hypo	CHG	-0.7074
Gm08	39015517	39015586	Gmdrm	hypo	CHG	-0.51
Gm08	39035804	39035865	Gmdrm	hypo	CHG	-0.2967
Gm08	39066525	39067028	Gmdrm	hypo	CHG	-0.4966
Gm08	39067172	39067282	Gmdrm	hypo	CHG	-0.57
Gm08	39067574	39067614	Gmdrm	hypo	CHG	-0.305
Gm08	39069516	39069799	Gmdrm	hypo	CHG	-0.4443
Gm08	39070000	39070126	Gmdrm	hypo	CHG	-0.5977
Gm08	39121079	39121203	Gmdrm	hypo	CHG	-0.476
Gm08	39121308	39121363	Gmdrm	hypo	CHG	-0.42
Gm08	39121976	39122029	Gmdrm	hypo	CHG	-0.59
Gm08	39127568	39127771	Gmdrm	hypo	CHG	-0.41
Gm08	39127904	39128020	Gmdrm	hypo	CHG	-0.2233
Gm08	39129976	39130490	Gmdrm	hypo	CHG	-0.2135
Gm08	39131363	39131513	Gmdrm	hypo	CHG	-0.7187
Gm08	39131811	39132166	Gmdrm	hypo	CHG	-0.4084
Gm08	39143471	39143753	Gmdrm	hypo	CHG	-0.062
Gm08	39155363	39155452	Gmdrm	hypo	CHG	-0.4241
Gm08	39174497	39174582	Gmdrm	hypo	CHG	-0.1436
Gm08	39204759	39204879	Gmdrm	hypo	CHG	-0.048
Gm08	39220017	39220216	Gmdrm	hypo	CHG	-0.038
Gm08	39275473	39275580	Gmdrm	hypo	CHG	-0.49
Gm08	39291638	39291679	Gmdrm	hypo	CHG	-0.55
Gm08	39293155	39293241	Gmdrm	hypo	CHG	-0.824

Gm08	39301244	39301605	Gmdrm	hypo	CHG	-0.03
Gm08	39317242	39317383	Gmdrm	hypo	CHG	-0.0471
Gm08	39331469	39331715	Gmdrm	hypo	CHG	-0.2757
Gm08	39332876	39332964	Gmdrm	hypo	CHG	-0.5
Gm08	39333133	39333373	Gmdrm	hypo	CHG	-0.6353
Gm08	39414883	39415120	Gmdrm	hypo	CHG	-0.3206
Gm08	39431623	39431809	Gmdrm	hypo	CHG	-0.4762
Gm08	39435834	39436133	Gmdrm	hypo	CHG	-0.2793
Gm08	39446159	39446402	Gmdrm	hypo	CHG	-0.1
Gm08	39447470	39447490	Gmdrm	hypo	CHG	-0.9388
Gm08	39453478	39453732	Gmdrm	hypo	CHG	-0.1637
Gm08	39460708	39460955	Gmdrm	hypo	CHG	-0.1762
Gm08	39461334	39461568	Gmdrm	hypo	CHG	-0.4813
Gm08	39482981	39483157	Gmdrm	hypo	CHG	-0.3627
Gm08	39486987	39487195	Gmdrm	hypo	CHG	-0.3007
Gm08	39492726	39492795	Gmdrm	hypo	CHG	-0.102
Gm08	39493385	39493600	Gmdrm	hypo	CHG	-0.7969
Gm08	39494940	39495249	Gmdrm	hypo	CHG	-0.8816
Gm08	39502954	39503072	Gmdrm	hypo	CHG	-0.83
Gm08	39503353	39503378	Gmdrm	hypo	CHG	-0.65
Gm08	39503542	39503730	Gmdrm	hypo	CHG	-0.7287
Gm08	39511734	39511758	Gmdrm	hypo	CHG	-0.54
Gm08	39512197	39512252	Gmdrm	hypo	CHG	-0.252
Gm08	39514778	39514852	Gmdrm	hypo	CHG	-0.4517
Gm08	39514998	39515121	Gmdrm	hypo	CHG	-0.5106
Gm08	39515236	39515607	Gmdrm	hypo	CHG	-0.5191
Gm08	39519746	39519893	Gmdrm	hypo	CHG	-0.81
Gm08	39520142	39520423	Gmdrm	hypo	CHG	-0.8616
Gm08	39520555	39520674	Gmdrm	hypo	CHG	-0.9489
Gm08	39544955	39545083	Gmdrm	hypo	CHG	-0.795
Gm08	39557965	39558074	Gmdrm	hypo	CHG	-0.4786
Gm08	39559717	39559890	Gmdrm	hypo	CHG	-0.065
Gm08	39570636	39571152	Gmdrm	hypo	CHG	-0.2054
Gm08	39581514	39581676	Gmdrm	hypo	CHG	-0.395
Gm08	39586597	39586952	Gmdrm	hypo	CHG	-0.4475
Gm08	39587091	39587256	Gmdrm	hypo	CHG	-0.3112
Gm08	39587372	39587517	Gmdrm	hypo	CHG	-0.3011
Gm08	39593322	39593427	Gmdrm	hypo	CHG	-0.5866
Gm08	39597755	39597992	Gmdrm	hypo	CHG	-0.2207
Gm08	39599951	39600189	Gmdrm	hypo	CHG	-0.3953
Gm08	39609033	39609196	Gmdrm	hypo	CHG	-0.058
Gm08	39618534	39618861	Gmdrm	hypo	CHG	-0.4285
Gm08	39619060	39619209	Gmdrm	hypo	CHG	-0.7317
Gm08	39624293	39624596	Gmdrm	hypo	CHG	-0.6533
Gm08	39634414	39634657	Gmdrm	hypo	CHG	-0.4566
Gm08	39637799	39637904	Gmdrm	hypo	CHG	-0.0372

Gm08	39680812	39680950	Gmdrm	hypo	CHG	-0.3983
Gm08	39686664	39686711	Gmdrm	hypo	CHG	-0.4483
Gm08	39691240	39691285	Gmdrm	hypo	CHG	-0.2583
Gm08	39691803	39692087	Gmdrm	hypo	CHG	-0.726
Gm08	39692252	39692523	Gmdrm	hypo	CHG	-0.5084
Gm08	39711513	39711883	Gmdrm	hypo	CHG	-0.27
Gm08	39713953	39714041	Gmdrm	hypo	CHG	-0.0867
Gm08	39735059	39735140	Gmdrm	hypo	CHG	-0.365
Gm08	39750784	39751082	Gmdrm	hypo	CHG	-0.3255
Gm08	39758602	39758639	Gmdrm	hypo	CHG	-0.312
Gm08	39759330	39759535	Gmdrm	hypo	CHG	-0.5128
Gm08	39779065	39779167	Gmdrm	hypo	CHG	-0.48
Gm08	39794939	39795034	Gmdrm	hypo	CHG	-0.697
Gm08	39819448	39819501	Gmdrm	hypo	CHG	-0.3367
Gm08	39837534	39837647	Gmdrm	hypo	CHG	-0.7466
Gm08	39837956	39838101	Gmdrm	hypo	CHG	-0.202
Gm08	39838295	39838468	Gmdrm	hypo	CHG	-0.578
Gm08	39860049	39860324	Gmdrm	hypo	CHG	-0.505
Gm08	39889477	39889606	Gmdrm	hypo	CHG	-0.4756
Gm08	39920711	39921013	Gmdrm	hypo	CHG	-0.6072
Gm08	39930373	39930760	Gmdrm	hypo	CHG	-0.4233
Gm08	39938722	39938831	Gmdrm	hypo	CHG	-0.05
Gm08	39963579	39963705	Gmdrm	hypo	CHG	-0.12
Gm08	39979700	39980366	Gmdrm	hypo	CHG	-0.0433
Gm08	39983514	39983677	Gmdrm	hypo	CHG	-0.0444
Gm08	39983801	39984199	Gmdrm	hypo	CHG	-0.0388
Gm08	39987121	39987988	Gmdrm	hypo	CHG	-0.3243
Gm08	39997911	39998894	Gmdrm	hypo	CHG	-0.1873
Gm08	40000422	40000647	Gmdrm	hypo	CHG	-0.1589
Gm08	40000912	40001466	Gmdrm	hypo	CHG	-0.2429
Gm08	40016452	40016606	Gmdrm	hypo	CHG	-0.4687
Gm08	40027635	40028124	Gmdrm	hypo	CHG	-0.1132
Gm08	40032729	40032849	Gmdrm	hypo	CHG	-0.5967
Gm08	40033170	40033304	Gmdrm	hypo	CHG	-0.52
Gm08	40040027	40040241	Gmdrm	hypo	CHG	-0.395
Gm08	40048645	40048722	Gmdrm	hypo	CHG	-0.056
Gm08	40050089	40050533	Gmdrm	hypo	CHG	-0.4405
Gm08	40054967	40055438	Gmdrm	hypo	CHG	-0.4364
Gm08	40067983	40068048	Gmdrm	hypo	CHG	-0.398
Gm08	40071247	40071273	Gmdrm	hypo	CHG	-0.5483
Gm08	40073298	40073331	Gmdrm	hypo	CHG	-0.424
Gm08	40079893	40079945	Gmdrm	hypo	CHG	-0.4866
Gm08	40080394	40080439	Gmdrm	hypo	CHG	-0.445
Gm08	40081094	40081320	Gmdrm	hypo	CHG	-0.68
Gm08	40088667	40088792	Gmdrm	hypo	CHG	-0.725
Gm08	40100309	40100403	Gmdrm	hypo	CHG	-0.2716

Gm08	40107037	40107294	Gmdrm	hypo	CHG	-0.0487
Gm08	40127617	40127697	Gmdrm	hypo	CHG	-0.0529
Gm08	40156095	40156496	Gmdrm	hypo	CHG	-0.0416
Gm08	40194067	40194327	Gmdrm	hypo	CHG	-0.4734
Gm08	40197208	40197401	Gmdrm	hypo	CHG	-0.669
Gm08	40216773	40216907	Gmdrm	hypo	CHG	-0.445
Gm08	40228990	40229072	Gmdrm	hypo	CHG	-0.2888
Gm08	40244898	40245084	Gmdrm	hypo	CHG	-0.2777
Gm08	40248671	40248702	Gmdrm	hypo	CHG	-0.9001
Gm08	40249167	40249288	Gmdrm	hypo	CHG	-0.2533
Gm08	40251154	40251274	Gmdrm	hypo	CHG	-0.5227
Gm08	40253190	40253497	Gmdrm	hypo	CHG	-0.3928
Gm08	40253708	40253960	Gmdrm	hypo	CHG	-0.77
Gm08	40278237	40278387	Gmdrm	hypo	CHG	-0.065
Gm08	40285109	40285242	Gmdrm	hypo	CHG	-0.3425
Gm08	40297516	40297573	Gmdrm	hypo	CHG	-0.0983
Gm08	40297896	40298024	Gmdrm	hypo	CHG	-0.0867
Gm08	40298135	40298327	Gmdrm	hypo	CHG	-0.5187
Gm08	40300638	40300916	Gmdrm	hypo	CHG	-0.6127
Gm08	40304728	40304943	Gmdrm	hypo	CHG	-0.805
Gm08	40330328	40330401	Gmdrm	hypo	CHG	-0.4617
Gm08	40331577	40331692	Gmdrm	hypo	CHG	-0.66
Gm08	40334398	40334575	Gmdrm	hypo	CHG	-0.1167
Gm08	40354242	40354289	Gmdrm	hypo	CHG	-0.7066
Gm08	40408742	40408996	Gmdrm	hypo	CHG	-0.2577
Gm08	40409133	40409524	Gmdrm	hypo	CHG	-0.5815
Gm08	40409705	40409751	Gmdrm	hypo	CHG	-0.8233
Gm08	40410613	40410768	Gmdrm	hypo	CHG	-0.8535
Gm08	40411035	40411179	Gmdrm	hypo	CHG	-0.7837
Gm08	40459321	40459494	Gmdrm	hypo	CHG	-0.7273
Gm08	40472679	40472885	Gmdrm	hypo	CHG	-0.2229
Gm08	40478044	40478169	Gmdrm	hypo	CHG	-0.7389
Gm08	40478368	40478711	Gmdrm	hypo	CHG	-0.7768
Gm08	40481204	40481267	Gmdrm	hypo	CHG	-0.07
Gm08	40515864	40516036	Gmdrm	hypo	CHG	-0.554
Gm08	40518902	40519557	Gmdrm	hypo	CHG	-0.0395
Gm08	40532833	40532999	Gmdrm	hypo	CHG	-0.3489
Gm08	40540992	40541058	Gmdrm	hypo	CHG	-0.625
Gm08	40549786	40550004	Gmdrm	hypo	CHG	-0.5718
Gm08	40551277	40551382	Gmdrm	hypo	CHG	-0.7743
Gm08	40573846	40573889	Gmdrm	hypo	CHG	-0.13
Gm08	40590529	40590713	Gmdrm	hypo	CHG	-0.7617
Gm08	40591158	40591254	Gmdrm	hypo	CHG	-0.797
Gm08	40597479	40597526	Gmdrm	hypo	CHG	-0.7412
Gm08	40639757	40639942	Gmdrm	hypo	CHG	-0.0667
Gm08	40648501	40648717	Gmdrm	hypo	CHG	-0.4369

Gm08	40660332	40660598	Gmdrm	hypo	CHG	-0.059
Gm08	40662956	40663086	Gmdrm	hypo	CHG	-0.0667
Gm08	40678118	40678311	Gmdrm	hypo	CHG	-0.0522
Gm08	40762979	40763034	Gmdrm	hypo	CHG	-0.49
Gm08	40776077	40776198	Gmdrm	hypo	CHG	-0.2143
Gm08	40779950	40780136	Gmdrm	hypo	CHG	-0.0387
Gm08	40781963	40782108	Gmdrm	hypo	CHG	-0.0467
Gm08	40842437	40842900	Gmdrm	hypo	CHG	-0.0408
Gm08	40844252	40844456	Gmdrm	hypo	CHG	-0.255
Gm08	40851597	40851751	Gmdrm	hypo	CHG	-0.3588
Gm08	40854817	40855068	Gmdrm	hypo	CHG	-0.2955
Gm08	40855484	40855670	Gmdrm	hypo	CHG	-0.3386
Gm08	40860262	40860773	Gmdrm	hypo	CHG	-0.6258
Gm08	40895950	40896141	Gmdrm	hypo	CHG	-0.11
Gm08	40904638	40904783	Gmdrm	hypo	CHG	-0.484
Gm08	40905867	40905911	Gmdrm	hypo	CHG	-0.544
Gm08	40906521	40906689	Gmdrm	hypo	CHG	-0.204
Gm08	40906890	40906963	Gmdrm	hypo	CHG	-0.225
Gm08	40918480	40918564	Gmdrm	hypo	CHG	-0.6143
Gm08	40927464	40928105	Gmdrm	hypo	CHG	-0.4085
Gm08	40938722	40938823	Gmdrm	hypo	CHG	-0.51
Gm08	40953830	40954285	Gmdrm	hypo	CHG	-0.5229
Gm08	40954454	40954700	Gmdrm	hypo	CHG	-0.5612
Gm08	40956078	40956330	Gmdrm	hypo	CHG	-0.6413
Gm08	40959243	40959312	Gmdrm	hypo	CHG	-0.5071
Gm08	40959527	40959705	Gmdrm	hypo	CHG	-0.369
Gm08	40982991	40983166	Gmdrm	hypo	CHG	-0.52
Gm08	41000925	41001061	Gmdrm	hypo	CHG	-0.2317
Gm08	41001319	41001509	Gmdrm	hypo	CHG	-0.462
Gm08	41015687	41015743	Gmdrm	hypo	CHG	-0.5583
Gm08	41047532	41047626	Gmdrm	hypo	CHG	-0.4233
Gm08	41065625	41065772	Gmdrm	hypo	CHG	-0.8123
Gm08	41070918	41071001	Gmdrm	hypo	CHG	-0.6183
Gm08	41071139	41071363	Gmdrm	hypo	CHG	-0.3637
Gm08	41075236	41075448	Gmdrm	hypo	CHG	-0.56
Gm08	41080611	41080823	Gmdrm	hypo	CHG	-0.8946
Gm08	41099200	41099312	Gmdrm	hypo	CHG	-0.508
Gm08	41101376	41101532	Gmdrm	hypo	CHG	-0.046
Gm08	41101861	41102092	Gmdrm	hypo	CHG	-0.7671
Gm08	41112667	41112739	Gmdrm	hypo	CHG	-0.2134
Gm08	41118894	41118999	Gmdrm	hypo	CHG	-0.558
Gm08	41119238	41119487	Gmdrm	hypo	CHG	-0.776
Gm08	41126667	41126777	Gmdrm	hypo	CHG	-0.036
Gm08	41164596	41164767	Gmdrm	hypo	CHG	-0.4917
Gm08	41179956	41180091	Gmdrm	hypo	CHG	-0.05
Gm08	41198184	41198339	Gmdrm	hypo	CHG	-0.2125

Gm08	41213781	41213878 Gmdrm	hypo	CHG	-0.475
Gm08	41265344	41265385 Gmdrm	hypo	CHG	-0.3983
Gm08	41265806	41266010 Gmdrm	hypo	CHG	-0.5667
Gm08	41267007	41267101 Gmdrm	hypo	CHG	-0.698
Gm08	41277625	41277773 Gmdrm	hypo	CHG	-0.846
Gm08	41279662	41279763 Gmdrm	hypo	CHG	-0.5987
Gm08	41279974	41280199 Gmdrm	hypo	CHG	-0.6343
Gm08	41281170	41281355 Gmdrm	hypo	CHG	-0.285
Gm08	41287329	41287576 Gmdrm	hypo	CHG	-0.0417
Gm08	41312163	41312851 Gmdrm	hypo	CHG	-0.0083
Gm08	41362941	41363095 Gmdrm	hypo	CHG	-0.8238
Gm08	41377288	41377379 Gmdrm	hypo	CHG	-0.0413
Gm08	41388327	41388512 Gmdrm	hypo	CHG	-0.2375
Gm08	41409568	41409763 Gmdrm	hypo	CHG	-0.3956
Gm08	41410645	41410699 Gmdrm	hypo	CHG	-0.3325
Gm08	41414021	41414230 Gmdrm	hypo	CHG	-0.34
Gm08	41415007	41415346 Gmdrm	hypo	CHG	-0.1973
Gm08	41433494	41433976 Gmdrm	hypo	CHG	-0.0616
Gm08	41441615	41441866 Gmdrm	hypo	CHG	-0.0314
Gm08	41445100	41445465 Gmdrm	hypo	CHG	-0.2728
Gm08	41464162	41464394 Gmdrm	hypo	CHG	-0.6275
Gm08	41481775	41481819 Gmdrm	hypo	CHG	-0.206
Gm08	41505152	41505440 Gmdrm	hypo	CHG	-0.0362
Gm08	41520397	41520435 Gmdrm	hypo	CHG	-0.16
Gm08	41520560	41520835 Gmdrm	hypo	CHG	-0.42
Gm08	41546110	41546670 Gmdrm	hypo	CHG	-0.1618
Gm08	41549487	41550079 Gmdrm	hypo	CHG	-0.067
Gm08	41550225	41550872 Gmdrm	hypo	CHG	-0.204
Gm08	41551067	41551314 Gmdrm	hypo	CHG	-0.3838
Gm08	41564706	41565207 Gmdrm	hypo	CHG	-0.1882
Gm08	41566093	41566105 Gmdrm	hypo	CHG	-0.7984
Gm08	41566264	41566338 Gmdrm	hypo	CHG	-0.805
Gm08	41566506	41566596 Gmdrm	hypo	CHG	-0.5863
Gm08	41566944	41567162 Gmdrm	hypo	CHG	-0.6517
Gm08	41567482	41567650 Gmdrm	hypo	CHG	-0.4264
Gm08	41569232	41569269 Gmdrm	hypo	CHG	-0.1566
Gm08	41622621	41622703 Gmdrm	hypo	CHG	-0.755
Gm08	41622816	41622837 Gmdrm	hypo	CHG	-0.9266
Gm08	41622958	41623267 Gmdrm	hypo	CHG	-0.7567
Gm08	41641136	41641244 Gmdrm	hypo	CHG	-0.7614
Gm08	41641629	41641852 Gmdrm	hypo	CHG	-0.6717
Gm08	41655212	41655420 Gmdrm	hypo	CHG	-0.1967
Gm08	41657963	41658036 Gmdrm	hypo	CHG	-0.265
Gm08	41667276	41667826 Gmdrm	hypo	CHG	-0.404
Gm08	41670485	41670799 Gmdrm	hypo	CHG	-0.7094
Gm08	41687547	41688503 Gmdrm	hypo	CHG	-0.2555

Gm08	41692212	41692390	Gmdrm	hypo	CHG	-0.3884
Gm08	41698758	41699250	Gmdrm	hypo	CHG	-0.0594
Gm08	41721002	41721227	Gmdrm	hypo	CHG	-0.3137
Gm08	41725318	41725528	Gmdrm	hypo	CHG	-0.3615
Gm08	41738606	41738895	Gmdrm	hypo	CHG	-0.4438
Gm08	41739652	41739714	Gmdrm	hypo	CHG	-0.2567
Gm08	41755144	41755445	Gmdrm	hypo	CHG	-0.8794
Gm08	41758396	41758629	Gmdrm	hypo	CHG	-0.216
Gm08	41761088	41761332	Gmdrm	hypo	CHG	-0.2146
Gm08	41761569	41761615	Gmdrm	hypo	CHG	-0.728
Gm08	41762075	41762306	Gmdrm	hypo	CHG	-0.56
Gm08	41762612	41762674	Gmdrm	hypo	CHG	-0.1783
Gm08	41776710	41776787	Gmdrm	hypo	CHG	-0.3716
Gm08	41779985	41780167	Gmdrm	hypo	CHG	-0.05
Gm08	41784083	41784768	Gmdrm	hypo	CHG	-0.272
Gm08	41784987	41785154	Gmdrm	hypo	CHG	-0.3945
Gm08	41796302	41796426	Gmdrm	hypo	CHG	-0.555
Gm08	41796558	41796741	Gmdrm	hypo	CHG	-0.61
Gm08	41796861	41797125	Gmdrm	hypo	CHG	-0.48
Gm08	41799109	41799553	Gmdrm	hypo	CHG	-0.0317
Gm08	41817209	41818198	Gmdrm	hypo	CHG	-0.5225
Gm08	41818213	41818558	Gmdrm	hypo	CHG	-0.2475
Gm08	41821725	41821780	Gmdrm	hypo	CHG	-0.345
Gm08	41847779	41848201	Gmdrm	hypo	CHG	-0.3556
Gm08	41858058	41858179	Gmdrm	hypo	CHG	-0.3972
Gm08	41862159	41862280	Gmdrm	hypo	CHG	-0.292
Gm08	41862545	41862564	Gmdrm	hypo	CHG	-0.3884
Gm08	41864228	41864498	Gmdrm	hypo	CHG	-0.5495
Gm08	41868226	41868752	Gmdrm	hypo	CHG	-0.7037
Gm08	41879168	41879499	Gmdrm	hypo	CHG	-0.32
Gm08	41879627	41879747	Gmdrm	hypo	CHG	-0.68
Gm08	41891506	41891711	Gmdrm	hypo	CHG	-0.247
Gm08	41892811	41893219	Gmdrm	hypo	CHG	-0.4058
Gm08	41902924	41902982	Gmdrm	hypo	CHG	-0.815
Gm08	41903805	41904092	Gmdrm	hypo	CHG	-0.5569
Gm08	41912361	41912400	Gmdrm	hypo	CHG	-0.86
Gm08	41912571	41912825	Gmdrm	hypo	CHG	-0.12
Gm08	41913255	41913551	Gmdrm	hypo	CHG	-0.219
Gm08	41935941	41936209	Gmdrm	hypo	CHG	-0.2831
Gm08	41951227	41951345	Gmdrm	hypo	CHG	-0.2733
Gm08	41952721	41952749	Gmdrm	hypo	CHG	-0.6834
Gm08	41956134	41956356	Gmdrm	hypo	CHG	-0.5992
Gm08	41959637	41959762	Gmdrm	hypo	CHG	-0.057
Gm08	41971496	41972318	Gmdrm	hypo	CHG	-0.4196
Gm08	41978248	41978525	Gmdrm	hypo	CHG	-0.062
Gm08	41987498	41987601	Gmdrm	hypo	CHG	-0.048

Gm08	42010248	42010565	Gmdrm	hypo	CHG	-0.2459
Gm08	42012078	42012142	Gmdrm	hypo	CHG	-0.04
Gm08	42018592	42018794	Gmdrm	hypo	CHG	-0.3283
Gm08	42021066	42021178	Gmdrm	hypo	CHG	-0.0571
Gm08	42057271	42057443	Gmdrm	hypo	CHG	-0.1711
Gm08	42076419	42076485	Gmdrm	hypo	CHG	-0.355
Gm08	42087835	42088046	Gmdrm	hypo	CHG	-0.06
Gm08	42096297	42096381	Gmdrm	hypo	CHG	-0.046
Gm08	42099595	42099901	Gmdrm	hypo	CHG	-0.2262
Gm08	42113956	42114015	Gmdrm	hypo	CHG	-0.7829
Gm08	42139432	42139693	Gmdrm	hypo	CHG	-0.2578
Gm08	42141523	42142221	Gmdrm	hypo	CHG	-0.3365
Gm08	42150066	42150175	Gmdrm	hypo	CHG	-0.2586
Gm08	42174629	42174843	Gmdrm	hypo	CHG	-0.4511
Gm08	42177687	42177798	Gmdrm	hypo	CHG	-0.4816
Gm08	42178375	42178494	Gmdrm	hypo	CHG	-0.6733
Gm08	42190908	42191341	Gmdrm	hypo	CHG	-0.745
Gm08	42192061	42192136	Gmdrm	hypo	CHG	-0.4917
Gm08	42240891	42241225	Gmdrm	hypo	CHG	-0.587
Gm08	42249684	42249948	Gmdrm	hypo	CHG	-0.4456
Gm08	42251670	42251848	Gmdrm	hypo	CHG	-0.046
Gm08	42264365	42264439	Gmdrm	hypo	CHG	-0.0784
Gm08	42266149	42266266	Gmdrm	hypo	CHG	-0.4525
Gm08	42273882	42274025	Gmdrm	hypo	CHG	-0.1511
Gm08	42292619	42292868	Gmdrm	hypo	CHG	-0.4078
Gm08	42317792	42317934	Gmdrm	hypo	CHG	-0.513
Gm08	42334291	42334807	Gmdrm	hypo	CHG	-0.033
Gm08	42339828	42339875	Gmdrm	hypo	CHG	-0.356
Gm08	42373201	42373593	Gmdrm	hypo	CHG	-0.553
Gm08	42380310	42380388	Gmdrm	hypo	CHG	-0.65
Gm08	42380636	42380699	Gmdrm	hypo	CHG	-0.6
Gm08	42384554	42384587	Gmdrm	hypo	CHG	-0.2217
Gm08	42418834	42419037	Gmdrm	hypo	CHG	-0.0443
Gm08	42432049	42432166	Gmdrm	hypo	CHG	-0.076
Gm08	42434264	42434558	Gmdrm	hypo	CHG	-0.4926
Gm08	42446089	42446277	Gmdrm	hypo	CHG	-0.0537
Gm08	42451332	42451516	Gmdrm	hypo	CHG	-0.4537
Gm08	42451935	42452123	Gmdrm	hypo	CHG	-0.7107
Gm08	42454567	42454747	Gmdrm	hypo	CHG	-0.8025
Gm08	42460519	42460719	Gmdrm	hypo	CHG	-0.66
Gm08	42461271	42461353	Gmdrm	hypo	CHG	-0.594
Gm08	42475340	42475479	Gmdrm	hypo	CHG	-0.0714
Gm08	42475609	42475741	Gmdrm	hypo	CHG	-0.595
Gm08	42478818	42479035	Gmdrm	hypo	CHG	-0.7595
Gm08	42479147	42479262	Gmdrm	hypo	CHG	-0.235
Gm08	42494600	42494770	Gmdrm	hypo	CHG	-0.166

Gm08	42501376	42501557	Gmdrm	hypo	CHG	-0.3654
Gm08	42506504	42506834	Gmdrm	hypo	CHG	-0.0938
Gm08	42509071	42509153	Gmdrm	hypo	CHG	-0.6514
Gm08	42517201	42517383	Gmdrm	hypo	CHG	-0.6289
Gm08	42520186	42520251	Gmdrm	hypo	CHG	-0.7733
Gm08	42527350	42527887	Gmdrm	hypo	CHG	-0.5119
Gm08	42530750	42531164	Gmdrm	hypo	CHG	-0.7045
Gm08	42531831	42532172	Gmdrm	hypo	CHG	-0.84
Gm08	42534117	42534205	Gmdrm	hypo	CHG	-0.054
Gm08	42536802	42536925	Gmdrm	hypo	CHG	-0.0871
Gm08	42537189	42537362	Gmdrm	hypo	CHG	-0.8508
Gm08	42550884	42550981	Gmdrm	hypo	CHG	-0.4267
Gm08	42559420	42559635	Gmdrm	hypo	CHG	-0.778
Gm08	42569137	42569464	Gmdrm	hypo	CHG	-0.4294
Gm08	42580467	42580694	Gmdrm	hypo	CHG	-0.482
Gm08	42589830	42590130	Gmdrm	hypo	CHG	-0.5246
Gm08	42592106	42592288	Gmdrm	hypo	CHG	-0.8093
Gm08	42604888	42605177	Gmdrm	hypo	CHG	-0.0523
Gm08	42607242	42607582	Gmdrm	hypo	CHG	-0.23
Gm08	42638599	42638985	Gmdrm	hypo	CHG	-0.37
Gm08	42644813	42645301	Gmdrm	hypo	CHG	-0.3036
Gm08	42657265	42657384	Gmdrm	hypo	CHG	-0.6192
Gm08	42657551	42657867	Gmdrm	hypo	CHG	-0.776
Gm08	42699304	42700235	Gmdrm	hypo	CHG	-0.4102
Gm08	42700406	42700607	Gmdrm	hypo	CHG	-0.4367
Gm08	42720020	42720181	Gmdrm	hypo	CHG	-0.0371
Gm08	42725510	42725609	Gmdrm	hypo	CHG	-0.4044
Gm08	42726283	42726444	Gmdrm	hypo	CHG	-0.777
Gm08	42730930	42731119	Gmdrm	hypo	CHG	-0.143
Gm08	42748407	42748820	Gmdrm	hypo	CHG	-0.3153
Gm08	42759669	42759857	Gmdrm	hypo	CHG	-0.4009
Gm08	42759995	42760313	Gmdrm	hypo	CHG	-0.148
Gm08	42767952	42768372	Gmdrm	hypo	CHG	-0.3316
Gm08	42775037	42775164	Gmdrm	hypo	CHG	-0.2743
Gm08	42776645	42776701	Gmdrm	hypo	CHG	-0.2784
Gm08	42797792	42797863	Gmdrm	hypo	CHG	-0.466
Gm08	42809023	42809044	Gmdrm	hypo	CHG	-0.6916
Gm08	42841289	42841697	Gmdrm	hypo	CHG	-0.1665
Gm08	42853542	42853806	Gmdrm	hypo	CHG	-0.3706
Gm08	42876486	42876650	Gmdrm	hypo	CHG	-0.5616
Gm08	42904985	42905051	Gmdrm	hypo	CHG	-0.046
Gm08	42943097	42943118	Gmdrm	hypo	CHG	-0.09
Gm08	42965283	42965665	Gmdrm	hypo	CHG	-0.6415
Gm08	42971614	42971968	Gmdrm	hypo	CHG	-0.035
Gm08	42973198	42973307	Gmdrm	hypo	CHG	-0.042
Gm08	42975725	42976000	Gmdrm	hypo	CHG	-0.3116

Gm08	42981777	42982053	Gmdrm	hypo	CHG	-0.106
Gm08	42989778	42990078	Gmdrm	hypo	CHG	-0.915
Gm08	42990236	42990261	Gmdrm	hypo	CHG	-0.4533
Gm08	43011280	43011477	Gmdrm	hypo	CHG	-0.4767
Gm08	43012906	43012959	Gmdrm	hypo	CHG	-0.6834
Gm08	43027942	43028082	Gmdrm	hypo	CHG	-0.3778
Gm08	43044196	43044222	Gmdrm	hypo	CHG	-0.878
Gm08	43057788	43057860	Gmdrm	hypo	CHG	-0.444
Gm08	43058983	43059465	Gmdrm	hypo	CHG	-0.61
Gm08	43060342	43060675	Gmdrm	hypo	CHG	-0.6075
Gm08	43060791	43061265	Gmdrm	hypo	CHG	-0.0353
Gm08	43070763	43070957	Gmdrm	hypo	CHG	-0.5811
Gm08	43076806	43077267	Gmdrm	hypo	CHG	-0.7667
Gm08	43077499	43077692	Gmdrm	hypo	CHG	-0.6946
Gm08	43078212	43078471	Gmdrm	hypo	CHG	-0.8228
Gm08	43085414	43085464	Gmdrm	hypo	CHG	-0.794
Gm08	43108550	43108944	Gmdrm	hypo	CHG	-0.031
Gm08	43109144	43109421	Gmdrm	hypo	CHG	-0.14
Gm08	43115845	43116029	Gmdrm	hypo	CHG	-0.0562
Gm08	43121759	43121804	Gmdrm	hypo	CHG	-0.562
Gm08	43122060	43122197	Gmdrm	hypo	CHG	-0.707
Gm08	43122531	43122901	Gmdrm	hypo	CHG	-0.0355
Gm08	43124195	43124370	Gmdrm	hypo	CHG	-0.38
Gm08	43132890	43133405	Gmdrm	hypo	CHG	-0.5836
Gm08	43140571	43140653	Gmdrm	hypo	CHG	-0.068
Gm08	43146773	43146825	Gmdrm	hypo	CHG	-0.17
Gm08	43147086	43147154	Gmdrm	hypo	CHG	-0.751
Gm08	43160336	43160951	Gmdrm	hypo	CHG	-0.0935
Gm08	43164691	43164831	Gmdrm	hypo	CHG	-0.66
Gm08	43181788	43181903	Gmdrm	hypo	CHG	-0.5566
Gm08	43182295	43182360	Gmdrm	hypo	CHG	-0.5867
Gm08	43211807	43212159	Gmdrm	hypo	CHG	-0.8278
Gm08	43212328	43212373	Gmdrm	hypo	CHG	-0.0412
Gm08	43221794	43221958	Gmdrm	hypo	CHG	-0.0492
Gm08	43222903	43223182	Gmdrm	hypo	CHG	-0.39
Gm08	43260618	43260789	Gmdrm	hypo	CHG	-0.4607
Gm08	43289312	43289369	Gmdrm	hypo	CHG	-0.792
Gm08	43289563	43289814	Gmdrm	hypo	CHG	-0.3671
Gm08	43314889	43314981	Gmdrm	hypo	CHG	-0.0417
Gm08	43316706	43316948	Gmdrm	hypo	CHG	-0.032
Gm08	43320343	43320721	Gmdrm	hypo	CHG	-0.0577
Gm08	43334118	43334393	Gmdrm	hypo	CHG	-0.7661
Gm08	43338636	43338901	Gmdrm	hypo	CHG	-0.0918
Gm08	43360560	43360875	Gmdrm	hypo	CHG	-0.2186
Gm08	43396242	43396351	Gmdrm	hypo	CHG	-0.1283
Gm08	43399995	43400194	Gmdrm	hypo	CHG	-0.032

Gm08	43400546	43400871	Gmdrm	hypo	CHG	-0.7371
Gm08	43401020	43401799	Gmdrm	hypo	CHG	-0.3404
Gm08	43409044	43409263	Gmdrm	hypo	CHG	-0.53
Gm08	43409900	43410364	Gmdrm	hypo	CHG	-0.3196
Gm08	43413343	43413489	Gmdrm	hypo	CHG	-0.2394
Gm08	43414402	43414575	Gmdrm	hypo	CHG	-0.252
Gm08	43415738	43416187	Gmdrm	hypo	CHG	-0.2396
Gm08	43416397	43416529	Gmdrm	hypo	CHG	-0.3577
Gm08	43417572	43417743	Gmdrm	hypo	CHG	-0.51
Gm08	43418130	43418294	Gmdrm	hypo	CHG	-0.5989
Gm08	43419018	43419232	Gmdrm	hypo	CHG	-0.4057
Gm08	43435112	43435360	Gmdrm	hypo	CHG	-0.557
Gm08	43445021	43445134	Gmdrm	hypo	CHG	-0.7738
Gm08	43448018	43448227	Gmdrm	hypo	CHG	-0.4988
Gm08	43454961	43455074	Gmdrm	hypo	CHG	-0.7444
Gm08	43470039	43470099	Gmdrm	hypo	CHG	-0.7933
Gm08	43470692	43471062	Gmdrm	hypo	CHG	-0.7715
Gm08	43473445	43473512	Gmdrm	hypo	CHG	-0.7237
Gm08	43495802	43496021	Gmdrm	hypo	CHG	-0.755
Gm08	43505202	43505474	Gmdrm	hypo	CHG	-0.025
Gm08	43510177	43510345	Gmdrm	hypo	CHG	-0.2673
Gm08	43516518	43516953	Gmdrm	hypo	CHG	-0.57
Gm08	43517254	43517375	Gmdrm	hypo	CHG	-0.258
Gm08	43524402	43524523	Gmdrm	hypo	CHG	-0.0867
Gm08	43539204	43539519	Gmdrm	hypo	CHG	-0.2607
Gm08	43539751	43539867	Gmdrm	hypo	CHG	-0.6033
Gm08	43540016	43540120	Gmdrm	hypo	CHG	-0.655
Gm08	43546025	43546114	Gmdrm	hypo	CHG	-0.44
Gm08	43568388	43568555	Gmdrm	hypo	CHG	-0.025
Gm08	43580254	43580426	Gmdrm	hypo	CHG	-0.346
Gm08	43582229	43582365	Gmdrm	hypo	CHG	-0.088
Gm08	43583552	43583688	Gmdrm	hypo	CHG	-0.4983
Gm08	43584022	43584149	Gmdrm	hypo	CHG	-0.6233
Gm08	43594062	43594233	Gmdrm	hypo	CHG	-0.032
Gm08	43649904	43650404	Gmdrm	hypo	CHG	-0.0246
Gm08	43659247	43659499	Gmdrm	hypo	CHG	-0.203
Gm08	43667792	43667925	Gmdrm	hypo	CHG	-0.7462
Gm08	43678056	43678493	Gmdrm	hypo	CHG	-0.2008
Gm08	43685836	43686304	Gmdrm	hypo	CHG	-0.0382
Gm08	43707043	43707124	Gmdrm	hypo	CHG	-0.25
Gm08	43707284	43707386	Gmdrm	hypo	CHG	-0.752
Gm08	43727305	43727582	Gmdrm	hypo	CHG	-0.038
Gm08	43729899	43729918	Gmdrm	hypo	CHG	-0.0375
Gm08	43736599	43736684	Gmdrm	hypo	CHG	-0.705
Gm08	43737964	43738080	Gmdrm	hypo	CHG	-0.4483
Gm08	43742172	43742237	Gmdrm	hypo	CHG	-0.6816

Gm08	43743380	43743759	Gmdrm	hypo	CHG	-0.4152
Gm08	43753647	43753708	Gmdrm	hypo	CHG	-0.3925
Gm08	43761141	43761250	Gmdrm	hypo	CHG	-0.74
Gm08	43769175	43769292	Gmdrm	hypo	CHG	-0.086
Gm08	43769410	43769605	Gmdrm	hypo	CHG	-0.5483
Gm08	43770200	43770544	Gmdrm	hypo	CHG	-0.408
Gm08	43772768	43772930	Gmdrm	hypo	CHG	-0.1017
Gm08	43787375	43787584	Gmdrm	hypo	CHG	-0.0278
Gm08	43792163	43792469	Gmdrm	hypo	CHG	-0.7069
Gm08	43811225	43811449	Gmdrm	hypo	CHG	-0.3467
Gm08	43812529	43812673	Gmdrm	hypo	CHG	-0.024
Gm08	43830006	43830371	Gmdrm	hypo	CHG	-0.2911
Gm08	43834462	43834715	Gmdrm	hypo	CHG	-0.2247
Gm08	43834890	43835007	Gmdrm	hypo	CHG	-0.604
Gm08	43837957	43838084	Gmdrm	hypo	CHG	-0.0485
Gm08	43859994	43860160	Gmdrm	hypo	CHG	-0.525
Gm08	43861259	43861403	Gmdrm	hypo	CHG	-0.1715
Gm08	43862070	43862138	Gmdrm	hypo	CHG	-0.306
Gm08	43875671	43875798	Gmdrm	hypo	CHG	-0.55
Gm08	43875932	43875948	Gmdrm	hypo	CHG	-0.494
Gm08	43879239	43879662	Gmdrm	hypo	CHG	-0.5307
Gm08	43886825	43887636	Gmdrm	hypo	CHG	-0.4819
Gm08	43903172	43903288	Gmdrm	hypo	CHG	-0.5416
Gm08	43908984	43909177	Gmdrm	hypo	CHG	-0.478
Gm08	43912011	43912338	Gmdrm	hypo	CHG	-0.3842
Gm08	43912497	43912701	Gmdrm	hypo	CHG	-0.3387
Gm08	43925340	43925494	Gmdrm	hypo	CHG	-0.6929
Gm08	43927300	43927371	Gmdrm	hypo	CHG	-0.752
Gm08	43928066	43928175	Gmdrm	hypo	CHG	-0.7733
Gm08	43930917	43931000	Gmdrm	hypo	CHG	-0.9257
Gm08	43932654	43932844	Gmdrm	hypo	CHG	-0.4545
Gm08	43939101	43939370	Gmdrm	hypo	CHG	-0.0954
Gm08	43952043	43952366	Gmdrm	hypo	CHG	-0.6345
Gm08	43958692	43958984	Gmdrm	hypo	CHG	-0.6211
Gm08	43969475	43970112	Gmdrm	hypo	CHG	-0.3554
Gm08	43977926	43978088	Gmdrm	hypo	CHG	-0.6936
Gm08	43986018	43986235	Gmdrm	hypo	CHG	-0.4643
Gm08	43986805	43986868	Gmdrm	hypo	CHG	-0.06
Gm08	43995005	43995112	Gmdrm	hypo	CHG	-0.2949
Gm08	43996419	43996575	Gmdrm	hypo	CHG	-0.39
Gm08	44000870	44000994	Gmdrm	hypo	CHG	-0.3386
Gm08	44001099	44001469	Gmdrm	hypo	CHG	-0.5957
Gm08	44001576	44001752	Gmdrm	hypo	CHG	-0.3218
Gm08	44006465	44006855	Gmdrm	hypo	CHG	-0.44
Gm08	44007228	44007406	Gmdrm	hypo	CHG	-0.1063
Gm08	44012509	44012764	Gmdrm	hypo	CHG	-0.8068

Gm08	44013307	44013392 Gmdrm	hypo	CHG	-0.6267
Gm08	44026966	44027618 Gmdrm	hypo	CHG	-0.186
Gm08	44027920	44028054 Gmdrm	hypo	CHG	-0.7263
Gm08	44028188	44028391 Gmdrm	hypo	CHG	-0.0245
Gm08	44035146	44035378 Gmdrm	hypo	CHG	-0.3642
Gm08	44035841	44035912 Gmdrm	hypo	CHG	-0.595
Gm08	44036045	44036236 Gmdrm	hypo	CHG	-0.8891
Gm08	44036547	44037084 Gmdrm	hypo	CHG	-0.2168
Gm08	44042107	44042286 Gmdrm	hypo	CHG	-0.5458
Gm08	44050814	44051278 Gmdrm	hypo	CHG	-0.6565
Gm08	44069683	44069780 Gmdrm	hypo	CHG	-0.1383
Gm08	44073177	44073369 Gmdrm	hypo	CHG	-0.0425
Gm08	44073945	44074289 Gmdrm	hypo	CHG	-0.533
Gm08	44074461	44074495 Gmdrm	hypo	CHG	-0.2584
Gm08	44077899	44078011 Gmdrm	hypo	CHG	-0.7983
Gm08	44106868	44107027 Gmdrm	hypo	CHG	-0.0417
Gm08	44115731	44116230 Gmdrm	hypo	CHG	-0.1389
Gm08	44124125	44124274 Gmdrm	hypo	CHG	-0.57
Gm08	44145521	44145736 Gmdrm	hypo	CHG	-0.032
Gm08	44146583	44146836 Gmdrm	hypo	CHG	-0.7644
Gm08	44147046	44147271 Gmdrm	hypo	CHG	-0.6525
Gm08	44149499	44149698 Gmdrm	hypo	CHG	-0.775
Gm08	44149887	44150272 Gmdrm	hypo	CHG	-0.1552
Gm08	44162277	44162458 Gmdrm	hypo	CHG	-0.5387
Gm08	44163666	44164253 Gmdrm	hypo	CHG	-0.4079
Gm08	44180401	44180576 Gmdrm	hypo	CHG	-0.2157
Gm08	44200136	44200389 Gmdrm	hypo	CHG	-0.0867
Gm08	44211555	44211672 Gmdrm	hypo	CHG	-0.048
Gm08	44230898	44231465 Gmdrm	hypo	CHG	-0.3455
Gm08	44235340	44235400 Gmdrm	hypo	CHG	-0.6823
Gm08	44239857	44239971 Gmdrm	hypo	CHG	-0.0594
Gm08	44255084	44255403 Gmdrm	hypo	CHG	-0.1744
Gm08	44256384	44256515 Gmdrm	hypo	CHG	-0.4729
Gm08	44267777	44268035 Gmdrm	hypo	CHG	-0.1163
Gm08	44272827	44273184 Gmdrm	hypo	CHG	-0.3378
Gm08	44273286	44273435 Gmdrm	hypo	CHG	-0.418
Gm08	44278922	44279572 Gmdrm	hypo	CHG	-0.3975
Gm08	44281615	44281866 Gmdrm	hypo	CHG	-0.4274
Gm08	44289484	44289787 Gmdrm	hypo	CHG	-0.4718
Gm08	44290271	44290515 Gmdrm	hypo	CHG	-0.2527
Gm08	44290703	44291060 Gmdrm	hypo	CHG	-0.1724
Gm08	44297234	44297366 Gmdrm	hypo	CHG	-0.1071
Gm08	44314671	44314960 Gmdrm	hypo	CHG	-0.1545
Gm08	44328166	44328227 Gmdrm	hypo	CHG	-0.6717
Gm08	44328367	44328514 Gmdrm	hypo	CHG	-0.7487
Gm08	44332878	44333006 Gmdrm	hypo	CHG	-0.414

Gm08	44341388	44341608	Gmdrm	hypo	CHG	-0.9182
Gm08	44360492	44360762	Gmdrm	hypo	CHG	-0.0625
Gm08	44365825	44366207	Gmdrm	hypo	CHG	-0.0336
Gm08	44372210	44372420	Gmdrm	hypo	CHG	-0.5666
Gm08	44372958	44373256	Gmdrm	hypo	CHG	-0.4345
Gm08	44373768	44373983	Gmdrm	hypo	CHG	-0.6889
Gm08	44375785	44376182	Gmdrm	hypo	CHG	-0.0346
Gm08	44400590	44400690	Gmdrm	hypo	CHG	-0.4686
Gm08	44405370	44405393	Gmdrm	hypo	CHG	-0.098
Gm08	44407389	44407552	Gmdrm	hypo	CHG	-0.04
Gm08	44431679	44431816	Gmdrm	hypo	CHG	-0.0966
Gm08	44445342	44445752	Gmdrm	hypo	CHG	-0.05
Gm08	44495724	44495889	Gmdrm	hypo	CHG	-0.052
Gm08	44499560	44499644	Gmdrm	hypo	CHG	-0.502
Gm08	44520610	44520751	Gmdrm	hypo	CHG	-0.0689
Gm08	44535555	44535589	Gmdrm	hypo	CHG	-0.09
Gm08	44542411	44542469	Gmdrm	hypo	CHG	-0.0357
Gm08	44543749	44543788	Gmdrm	hypo	CHG	-0.8967
Gm08	44543913	44543943	Gmdrm	hypo	CHG	-0.914
Gm08	44545192	44545313	Gmdrm	hypo	CHG	-0.7144
Gm08	44551894	44552138	Gmdrm	hypo	CHG	-0.1494
Gm08	44552259	44552304	Gmdrm	hypo	CHG	-0.038
Gm08	44554717	44554820	Gmdrm	hypo	CHG	-0.715
Gm08	44560976	44561084	Gmdrm	hypo	CHG	-0.056
Gm08	44563356	44563607	Gmdrm	hypo	CHG	-0.6639
Gm08	44579917	44580293	Gmdrm	hypo	CHG	-0.042
Gm08	44581258	44581440	Gmdrm	hypo	CHG	-0.656
Gm08	44593817	44593969	Gmdrm	hypo	CHG	-0.7737
Gm08	44595635	44595868	Gmdrm	hypo	CHG	-0.1819
Gm08	44596129	44596297	Gmdrm	hypo	CHG	-0.5878
Gm08	44601048	44601247	Gmdrm	hypo	CHG	-0.0964
Gm08	44602632	44602894	Gmdrm	hypo	CHG	-0.0514
Gm08	44615755	44615888	Gmdrm	hypo	CHG	-0.045
Gm08	44630759	44631422	Gmdrm	hypo	CHG	-0.1728
Gm08	44635788	44636101	Gmdrm	hypo	CHG	-0.3178
Gm08	44636233	44636637	Gmdrm	hypo	CHG	-0.5785
Gm08	44639464	44639572	Gmdrm	hypo	CHG	-0.59
Gm08	44640794	44640860	Gmdrm	hypo	CHG	-0.0429
Gm08	44643706	44643863	Gmdrm	hypo	CHG	-0.5257
Gm08	44644132	44644240	Gmdrm	hypo	CHG	-0.522
Gm08	44644905	44645014	Gmdrm	hypo	CHG	-0.2545
Gm08	44647409	44647562	Gmdrm	hypo	CHG	-0.805
Gm08	44667927	44668210	Gmdrm	hypo	CHG	-0.46
Gm08	44668407	44668733	Gmdrm	hypo	CHG	-0.4768
Gm08	44675274	44675410	Gmdrm	hypo	CHG	-0.056
Gm08	44693760	44694035	Gmdrm	hypo	CHG	-0.781

Gm08	44694188	44694441 Gmdrm	hypo	CHG	-0.07
Gm08	44701856	44702042 Gmdrm	hypo	CHG	-0.392
Gm08	44725863	44726308 Gmdrm	hypo	CHG	-0.026
Gm08	44743100	44743328 Gmdrm	hypo	CHG	-0.1122
Gm08	44750839	44750957 Gmdrm	hypo	CHG	-0.5022
Gm08	44754221	44754730 Gmdrm	hypo	CHG	-0.4715
Gm08	44755948	44756103 Gmdrm	hypo	CHG	-0.386
Gm08	44756530	44756697 Gmdrm	hypo	CHG	-0.286
Gm08	44756941	44757149 Gmdrm	hypo	CHG	-0.1
Gm08	44772176	44772285 Gmdrm	hypo	CHG	-0.578
Gm08	44773270	44773289 Gmdrm	hypo	CHG	-0.36
Gm08	44788182	44788348 Gmdrm	hypo	CHG	-0.0329
Gm08	44799127	44799305 Gmdrm	hypo	CHG	-0.2134
Gm08	44810511	44810670 Gmdrm	hypo	CHG	-0.1955
Gm08	44838760	44838818 Gmdrm	hypo	CHG	-0.308
Gm08	44851763	44851949 Gmdrm	hypo	CHG	-0.8438
Gm08	44864371	44864559 Gmdrm	hypo	CHG	-0.2667
Gm08	44870451	44870702 Gmdrm	hypo	CHG	-0.495
Gm08	44872874	44872982 Gmdrm	hypo	CHG	-0.518
Gm08	44876595	44876773 Gmdrm	hypo	CHG	-0.064
Gm08	44878790	44878922 Gmdrm	hypo	CHG	-0.614
Gm08	44879026	44879093 Gmdrm	hypo	CHG	-0.855
Gm08	44879254	44879541 Gmdrm	hypo	CHG	-0.5591
Gm08	44897583	44897861 Gmdrm	hypo	CHG	-0.38
Gm08	44909385	44909579 Gmdrm	hypo	CHG	-0.7578
Gm08	44910308	44910355 Gmdrm	hypo	CHG	-0.8317
Gm08	44910463	44910632 Gmdrm	hypo	CHG	-0.7953
Gm08	44912244	44912406 Gmdrm	hypo	CHG	-0.8664
Gm08	44929485	44929735 Gmdrm	hypo	CHG	-0.2938
Gm08	44934716	44934856 Gmdrm	hypo	CHG	-0.458
Gm08	44965463	44965749 Gmdrm	hypo	CHG	-0.0355
Gm08	44967691	44967760 Gmdrm	hypo	CHG	-0.042
Gm08	44980168	44980418 Gmdrm	hypo	CHG	-0.5933
Gm08	45004010	45004072 Gmdrm	hypo	CHG	-0.0563
Gm08	45008157	45008374 Gmdrm	hypo	CHG	-0.6775
Gm08	45008560	45008692 Gmdrm	hypo	CHG	-0.786
Gm08	45019126	45019241 Gmdrm	hypo	CHG	-0.6284
Gm08	45019363	45019420 Gmdrm	hypo	CHG	-0.6716
Gm08	45035881	45035925 Gmdrm	hypo	CHG	-0.766
Gm08	45094205	45094576 Gmdrm	hypo	CHG	-0.026
Gm08	45143755	45144013 Gmdrm	hypo	CHG	-0.115
Gm08	45146890	45146926 Gmdrm	hypo	CHG	-0.722
Gm08	45147054	45147107 Gmdrm	hypo	CHG	-0.696
Gm08	45155968	45156078 Gmdrm	hypo	CHG	-0.278
Gm08	45156235	45156501 Gmdrm	hypo	CHG	-0.585
Gm08	45162282	45162530 Gmdrm	hypo	CHG	-0.0446

Gm08	45167538	45167604	Gmdrm	hypo	CHG	-0.458
Gm08	45178979	45179085	Gmdrm	hypo	CHG	-0.295
Gm08	45205733	45205858	Gmdrm	hypo	CHG	-0.03
Gm08	45221263	45221533	Gmdrm	hypo	CHG	-0.7425
Gm08	45222364	45222586	Gmdrm	hypo	CHG	-0.8523
Gm08	45232443	45232699	Gmdrm	hypo	CHG	-0.0433
Gm08	45252891	45253078	Gmdrm	hypo	CHG	-0.0325
Gm08	45272350	45272469	Gmdrm	hypo	CHG	-0.2682
Gm08	45272590	45272836	Gmdrm	hypo	CHG	-0.9247
Gm08	45310341	45310444	Gmdrm	hypo	CHG	-0.8175
Gm08	45317871	45318090	Gmdrm	hypo	CHG	-0.7377
Gm08	45318743	45318860	Gmdrm	hypo	CHG	-0.036
Gm08	45330862	45330926	Gmdrm	hypo	CHG	-0.54
Gm08	45331105	45331210	Gmdrm	hypo	CHG	-0.415
Gm08	45335641	45335807	Gmdrm	hypo	CHG	-0.2683
Gm08	45337632	45338082	Gmdrm	hypo	CHG	-0.7112
Gm08	45350520	45351233	Gmdrm	hypo	CHG	-0.1248
Gm08	45351349	45351540	Gmdrm	hypo	CHG	-0.1996
Gm08	45353753	45354661	Gmdrm	hypo	CHG	-0.1847
Gm08	45376698	45376809	Gmdrm	hypo	CHG	-0.5814
Gm08	45424183	45424216	Gmdrm	hypo	CHG	-0.9133
Gm08	45432474	45432721	Gmdrm	hypo	CHG	-0.0337
Gm08	45452851	45453086	Gmdrm	hypo	CHG	-0.0466
Gm08	45453612	45453898	Gmdrm	hypo	CHG	-0.0328
Gm08	45458526	45458629	Gmdrm	hypo	CHG	-0.044
Gm08	45459046	45459365	Gmdrm	hypo	CHG	-0.045
Gm08	45460116	45460298	Gmdrm	hypo	CHG	-0.0525
Gm08	45462796	45462963	Gmdrm	hypo	CHG	-0.3187
Gm08	45464589	45464717	Gmdrm	hypo	CHG	-0.72
Gm08	45476655	45476770	Gmdrm	hypo	CHG	-0.132
Gm08	45477344	45477575	Gmdrm	hypo	CHG	-0.1188
Gm08	45483610	45483750	Gmdrm	hypo	CHG	-0.3762
Gm08	45492056	45492184	Gmdrm	hypo	CHG	-0.3175
Gm08	45548645	45549143	Gmdrm	hypo	CHG	-0.0517
Gm08	45573249	45573370	Gmdrm	hypo	CHG	-0.035
Gm08	45575300	45575579	Gmdrm	hypo	CHG	-0.5913
Gm08	45575763	45576006	Gmdrm	hypo	CHG	-0.7736
Gm08	45576326	45576492	Gmdrm	hypo	CHG	-0.5683
Gm08	45578048	45578119	Gmdrm	hypo	CHG	-0.3283
Gm08	45605279	45606107	Gmdrm	hypo	CHG	-0.5541
Gm08	45608968	45609209	Gmdrm	hypo	CHG	-0.4
Gm08	45619381	45619626	Gmdrm	hypo	CHG	-0.0367
Gm08	45619922	45619979	Gmdrm	hypo	CHG	-0.54
Gm08	45630886	45631048	Gmdrm	hypo	CHG	-0.7955
Gm08	45631174	45631257	Gmdrm	hypo	CHG	-0.7586
Gm08	45631811	45631904	Gmdrm	hypo	CHG	-0.815

Gm08	45645043	45645116	Gmdrm	hypo	CHG	-0.086
Gm08	45657292	45657357	Gmdrm	hypo	CHG	-0.185
Gm08	45657644	45657781	Gmdrm	hypo	CHG	-0.8762
Gm08	45675717	45675853	Gmdrm	hypo	CHG	-0.785
Gm08	45691076	45691237	Gmdrm	hypo	CHG	-0.094
Gm08	45693797	45694067	Gmdrm	hypo	CHG	-0.0333
Gm08	45728878	45729047	Gmdrm	hypo	CHG	-0.2514
Gm08	45731603	45731749	Gmdrm	hypo	CHG	-0.8788
Gm08	45731933	45732052	Gmdrm	hypo	CHG	-0.7337
Gm08	45747064	45747219	Gmdrm	hypo	CHG	-0.056
Gm08	45751709	45751739	Gmdrm	hypo	CHG	-0.0414
Gm08	45752508	45752710	Gmdrm	hypo	CHG	-0.1022
Gm08	45772361	45773007	Gmdrm	hypo	CHG	-0.5711
Gm08	45829529	45829709	Gmdrm	hypo	CHG	-0.118
Gm08	45840431	45841048	Gmdrm	hypo	CHG	-0.5592
Gm08	45847884	45847955	Gmdrm	hypo	CHG	-0.155
Gm08	45865678	45865964	Gmdrm	hypo	CHG	-0.0841
Gm08	45896878	45897065	Gmdrm	hypo	CHG	-0.5289
Gm08	45897561	45897944	Gmdrm	hypo	CHG	-0.3747
Gm08	45907040	45907252	Gmdrm	hypo	CHG	-0.0367
Gm08	45913899	45914108	Gmdrm	hypo	CHG	-0.1586
Gm08	45942230	45942364	Gmdrm	hypo	CHG	-0.0266
Gm08	45945423	45945652	Gmdrm	hypo	CHG	-0.066
Gm08	45949712	45949908	Gmdrm	hypo	CHG	-0.0623
Gm08	45956055	45956187	Gmdrm	hypo	CHG	-0.1291
Gm08	45964402	45964786	Gmdrm	hypo	CHG	-0.0847
Gm08	45964888	45965158	Gmdrm	hypo	CHG	-0.3094
Gm08	45968836	45969031	Gmdrm	hypo	CHG	-0.5341
Gm08	45969211	45969329	Gmdrm	hypo	CHG	-0.7156
Gm08	45969790	45969928	Gmdrm	hypo	CHG	-0.555
Gm08	45970040	45970259	Gmdrm	hypo	CHG	-0.7383
Gm08	45970393	45970558	Gmdrm	hypo	CHG	-0.7085
Gm08	45976071	45976421	Gmdrm	hypo	CHG	-0.0653
Gm08	45982162	45982352	Gmdrm	hypo	CHG	-0.0315
Gm08	45988960	45989101	Gmdrm	hypo	CHG	-0.222
Gm08	45989204	45989583	Gmdrm	hypo	CHG	-0.2553
Gm08	46003442	46003562	Gmdrm	hypo	CHG	-0.403
Gm08	46010740	46010848	Gmdrm	hypo	CHG	-0.3107
Gm08	46013601	46013922	Gmdrm	hypo	CHG	-0.2213
Gm08	46014893	46015130	Gmdrm	hypo	CHG	-0.2254
Gm08	46016628	46016760	Gmdrm	hypo	CHG	-0.5734
Gm08	46017992	46018156	Gmdrm	hypo	CHG	-0.7013
Gm08	46018792	46018981	Gmdrm	hypo	CHG	-0.6533
Gm08	46020376	46020583	Gmdrm	hypo	CHG	-0.312
Gm08	46021519	46021643	Gmdrm	hypo	CHG	-0.3025
Gm08	46030330	46030833	Gmdrm	hypo	CHG	-0.465

Gm08	46032677	46033006	Gmdrm	hypo	CHG	-0.3111
Gm08	46034283	46034306	Gmdrm	hypo	CHG	-0.33
Gm08	46036690	46036872	Gmdrm	hypo	CHG	-0.0612
Gm08	46037376	46037407	Gmdrm	hypo	CHG	-0.128
Gm08	46037834	46038301	Gmdrm	hypo	CHG	-0.4274
Gm08	46038942	46039060	Gmdrm	hypo	CHG	-0.4164
Gm08	46059749	46059784	Gmdrm	hypo	CHG	-0.392
Gm08	46074601	46074803	Gmdrm	hypo	CHG	-0.0333
Gm08	46075131	46075313	Gmdrm	hypo	CHG	-0.035
Gm08	46075793	46075973	Gmdrm	hypo	CHG	-0.8463
Gm08	46087943	46088189	Gmdrm	hypo	CHG	-0.117
Gm08	46100528	46100628	Gmdrm	hypo	CHG	-0.7683
Gm08	46141428	46141562	Gmdrm	hypo	CHG	-0.356
Gm08	46145221	46145341	Gmdrm	hypo	CHG	-0.028
Gm08	46147039	46147372	Gmdrm	hypo	CHG	-0.2823
Gm08	46164934	46165142	Gmdrm	hypo	CHG	-0.5156
Gm08	46175490	46175612	Gmdrm	hypo	CHG	-0.1216
Gm08	46176159	46176287	Gmdrm	hypo	CHG	-0.5243
Gm08	46181404	46181597	Gmdrm	hypo	CHG	-0.625
Gm08	46211961	46212091	Gmdrm	hypo	CHG	-0.448
Gm08	46216013	46216346	Gmdrm	hypo	CHG	-0.907
Gm08	46217279	46217389	Gmdrm	hypo	CHG	-0.4917
Gm08	46254402	46254793	Gmdrm	hypo	CHG	-0.047
Gm08	46264928	46265085	Gmdrm	hypo	CHG	-0.4534
Gm08	46273902	46274205	Gmdrm	hypo	CHG	-0.173
Gm08	46274424	46274548	Gmdrm	hypo	CHG	-0.216
Gm08	46279421	46279477	Gmdrm	hypo	CHG	-0.87
Gm08	46288162	46288418	Gmdrm	hypo	CHG	-0.6793
Gm08	46310635	46310675	Gmdrm	hypo	CHG	-0.0533
Gm08	46319752	46319997	Gmdrm	hypo	CHG	-0.6457
Gm08	46320272	46320379	Gmdrm	hypo	CHG	-0.5372
Gm08	46334402	46334601	Gmdrm	hypo	CHG	-0.7135
Gm08	46353965	46354269	Gmdrm	hypo	CHG	-0.56
Gm08	46385849	46386143	Gmdrm	hypo	CHG	-0.3467
Gm08	46392782	46393209	Gmdrm	hypo	CHG	-0.2691
Gm08	46417360	46417737	Gmdrm	hypo	CHG	-0.5205
Gm08	46417880	46418066	Gmdrm	hypo	CHG	-0.6255
Gm08	46419535	46419792	Gmdrm	hypo	CHG	-0.2192
Gm08	46420283	46420357	Gmdrm	hypo	CHG	-0.062
Gm08	46437867	46437900	Gmdrm	hypo	CHG	-0.7286
Gm08	46442513	46442772	Gmdrm	hypo	CHG	-0.024
Gm08	46443295	46443371	Gmdrm	hypo	CHG	-0.046
Gm08	46445690	46445763	Gmdrm	hypo	CHG	-0.75
Gm08	46445959	46446265	Gmdrm	hypo	CHG	-0.6154
Gm08	46446370	46446570	Gmdrm	hypo	CHG	-0.04
Gm08	46459534	46459815	Gmdrm	hypo	CHG	-0.5094

Gm08	46460476	46460652	Gmdrm	hypo	CHG	-0.0571
Gm08	46468772	46469027	Gmdrm	hypo	CHG	-0.7454
Gm08	46475502	46475570	Gmdrm	hypo	CHG	-0.6517
Gm08	46475710	46475894	Gmdrm	hypo	CHG	-0.6417
Gm08	46476324	46476391	Gmdrm	hypo	CHG	-0.6811
Gm08	46490629	46490977	Gmdrm	hypo	CHG	-0.7241
Gm08	46527644	46527988	Gmdrm	hypo	CHG	-0.9001
Gm08	46541085	46541322	Gmdrm	hypo	CHG	-0.1089
Gm08	46568406	46569393	Gmdrm	hypo	CHG	-0.246
Gm08	46578218	46578365	Gmdrm	hypo	CHG	-0.031
Gm08	46579249	46579341	Gmdrm	hypo	CHG	-0.385
Gm08	46579775	46580090	Gmdrm	hypo	CHG	-0.231
Gm08	46586363	46586646	Gmdrm	hypo	CHG	-0.0567
Gm08	46600668	46600768	Gmdrm	hypo	CHG	-0.282
Gm08	46626485	46626627	Gmdrm	hypo	CHG	-0.21
Gm08	46632704	46632895	Gmdrm	hypo	CHG	-0.5915
Gm08	46650439	46650808	Gmdrm	hypo	CHG	-0.6812
Gm08	46652914	46653307	Gmdrm	hypo	CHG	-0.2069
Gm08	46656867	46657063	Gmdrm	hypo	CHG	-0.7266
Gm08	46714350	46714719	Gmdrm	hypo	CHG	-0.0211
Gm08	46716503	46716838	Gmdrm	hypo	CHG	-0.1575
Gm08	46807065	46807359	Gmdrm	hypo	CHG	-0.0478
Gm08	46829921	46829966	Gmdrm	hypo	CHG	-0.63
Gm08	46844962	46844997	Gmdrm	hypo	CHG	-0.698
Gm08	46866933	46867126	Gmdrm	hypo	CHG	-0.59
Gm08	46867292	46867447	Gmdrm	hypo	CHG	-0.0757
Gm08	46875305	46875537	Gmdrm	hypo	CHG	-0.0864
Gm08	46877309	46877707	Gmdrm	hypo	CHG	-0.4096
Gm08	46878057	46878157	Gmdrm	hypo	CHG	-0.67
Gm08	46878311	46878408	Gmdrm	hypo	CHG	-0.315
Gm08	46883347	46883477	Gmdrm	hypo	CHG	-0.2178
Gm08	46883706	46883841	Gmdrm	hypo	CHG	-0.3409
Gm08	46902144	46902593	Gmdrm	hypo	CHG	-0.098
Gm08	46908165	46908584	Gmdrm	hypo	CHG	-0.6327
Gm08	46922708	46923090	Gmdrm	hypo	CHG	-0.5235
Gm08	46936067	46936242	Gmdrm	hypo	CHG	-0.0683
Gm08	46947308	46947366	Gmdrm	hypo	CHG	-0.046
Gm08	46968360	46968440	Gmdrm	hypo	CHG	-0.4983
Gm08	46969360	46969428	Gmdrm	hypo	CHG	-0.66
Gm08	46974717	46975086	Gmdrm	hypo	CHG	-0.183
Gm08	46975344	46975570	Gmdrm	hypo	CHG	-0.461
Gm08	46987130	46987282	Gmdrm	hypo	CHG	-0.7663
Gm08	46987383	46987528	Gmdrm	hypo	CHG	-0.564
Gm08	46994199	46994442	Gmdrm	hypo	CHG	-0.4062
Gm08	46994939	46995106	Gmdrm	hypo	CHG	-0.2589
Gm08	47003177	47003469	Gmdrm	hypo	CHG	-0.6464

Gm08	47007109	47007458 Gmdrm	hypo	CHG	-0.3529
Gm08	47013126	47013171 Gmdrm	hypo	CHG	-0.4583
Gm08	47023137	47023333 Gmdrm	hypo	CHG	-0.5072
Gm08	47030712	47031025 Gmdrm	hypo	CHG	-0.2546
Gm08	47031981	47032168 Gmdrm	hypo	CHG	-0.4189
Gm08	47033100	47033138 Gmdrm	hypo	CHG	-0.704
Gm08	47040719	47041231 Gmdrm	hypo	CHG	-0.3946
Gm08	47042869	47043447 Gmdrm	hypo	CHG	-0.5817
Gm08	47044727	47044754 Gmdrm	hypo	CHG	-0.7466
Gm08	47047848	47048115 Gmdrm	hypo	CHG	-0.0329
Gm08	47056558	47056602 Gmdrm	hypo	CHG	-0.5683
Gm08	47056791	47057113 Gmdrm	hypo	CHG	-0.56
Gm08	47059621	47059693 Gmdrm	hypo	CHG	-0.7611
Gm08	47078626	47078881 Gmdrm	hypo	CHG	-0.3375
Gm08	47079803	47080011 Gmdrm	hypo	CHG	-0.0517
Gm08	47088103	47088311 Gmdrm	hypo	CHG	-0.038
Gm08	47098459	47098728 Gmdrm	hypo	CHG	-0.5956
Gm08	47118132	47118173 Gmdrm	hypo	CHG	-0.06
Gm08	47118577	47118777 Gmdrm	hypo	CHG	-0.3857
Gm08	47120817	47121004 Gmdrm	hypo	CHG	-0.042
Gm08	47127202	47127475 Gmdrm	hypo	CHG	-0.6863
Gm08	47133312	47133517 Gmdrm	hypo	CHG	-0.5233
Gm08	47133681	47133902 Gmdrm	hypo	CHG	-0.7555
Gm08	47134809	47134939 Gmdrm	hypo	CHG	-0.068
Gm08	47135100	47135484 Gmdrm	hypo	CHG	-0.3208
Gm08	47136649	47137031 Gmdrm	hypo	CHG	-0.1882
Gm08	47137774	47137828 Gmdrm	hypo	CHG	-0.7133
Gm08	47161550	47161624 Gmdrm	hypo	CHG	-0.062
Gm08	47161726	47161777 Gmdrm	hypo	CHG	-0.2
Gm08	47162366	47162556 Gmdrm	hypo	CHG	-0.7285
Gm08	47178198	47178349 Gmdrm	hypo	CHG	-0.1967
Gm08	47179913	47180190 Gmdrm	hypo	CHG	-0.1782
Gm08	47188332	47188432 Gmdrm	hypo	CHG	-0.8783
Gm08	47200061	47200245 Gmdrm	hypo	CHG	-0.2134
Gm08	47209061	47209213 Gmdrm	hypo	CHG	-0.8493
Gm08	47226498	47226711 Gmdrm	hypo	CHG	-0.6528
Gm09	6576	6707 Gmdrm	hypo	CHG	-0.9453
Gm09	6819	6848 Gmdrm	hypo	CHG	-0.772
Gm09	7191	7332 Gmdrm	hypo	CHG	-0.4875
Gm09	11346	11710 Gmdrm	hypo	CHG	-0.2827
Gm09	18032	18124 Gmdrm	hypo	CHG	-0.3367
Gm09	18237	18577 Gmdrm	hypo	CHG	-0.31
Gm09	20300	20805 Gmdrm	hypo	CHG	-0.187
Gm09	20924	21086 Gmdrm	hypo	CHG	-0.1522
Gm09	30978	31375 Gmdrm	hypo	CHG	-0.0417
Gm09	35841	35971 Gmdrm	hypo	CHG	-0.5428

Gm09	38164	38272	Gmdrm	hypo	CHG	-0.7086
Gm09	38431	38569	Gmdrm	hypo	CHG	-0.5486
Gm09	38783	39062	Gmdrm	hypo	CHG	-0.8112
Gm09	39524	39966	Gmdrm	hypo	CHG	-0.4905
Gm09	54992	55063	Gmdrm	hypo	CHG	-0.745
Gm09	55450	55526	Gmdrm	hypo	CHG	-0.702
Gm09	55901	55943	Gmdrm	hypo	CHG	-0.546
Gm09	90461	90951	Gmdrm	hypo	CHG	-0.5852
Gm09	98750	99102	Gmdrm	hypo	CHG	-0.2678
Gm09	112526	112640	Gmdrm	hypo	CHG	-0.0275
Gm09	117042	117076	Gmdrm	hypo	CHG	-0.57
Gm09	117653	117778	Gmdrm	hypo	CHG	-0.3286
Gm09	124937	124965	Gmdrm	hypo	CHG	-0.076
Gm09	144944	145486	Gmdrm	hypo	CHG	-0.0342
Gm09	157445	157890	Gmdrm	hypo	CHG	-0.0372
Gm09	164369	164520	Gmdrm	hypo	CHG	-0.09
Gm09	169884	169980	Gmdrm	hypo	CHG	-0.0617
Gm09	175840	176009	Gmdrm	hypo	CHG	-0.6433
Gm09	192770	192891	Gmdrm	hypo	CHG	-0.1083
Gm09	197147	197949	Gmdrm	hypo	CHG	-0.1495
Gm09	221053	221230	Gmdrm	hypo	CHG	-0.075
Gm09	227562	227743	Gmdrm	hypo	CHG	-0.3315
Gm09	228863	229161	Gmdrm	hypo	CHG	-0.0554
Gm09	231878	232128	Gmdrm	hypo	CHG	-0.1543
Gm09	264573	265066	Gmdrm	hypo	CHG	-0.1841
Gm09	315710	315822	Gmdrm	hypo	CHG	-0.8343
Gm09	341001	341226	Gmdrm	hypo	CHG	-0.0288
Gm09	346475	346557	Gmdrm	hypo	CHG	-0.666
Gm09	346820	347008	Gmdrm	hypo	CHG	-0.7757
Gm09	359037	359220	Gmdrm	hypo	CHG	-0.3133
Gm09	359339	359471	Gmdrm	hypo	CHG	-0.148
Gm09	359723	360004	Gmdrm	hypo	CHG	-0.0638
Gm09	369965	370166	Gmdrm	hypo	CHG	-0.045
Gm09	411265	411280	Gmdrm	hypo	CHG	-0.066
Gm09	411543	411638	Gmdrm	hypo	CHG	-0.802
Gm09	421705	422050	Gmdrm	hypo	CHG	-0.5888
Gm09	436349	436601	Gmdrm	hypo	CHG	-0.0414
Gm09	459939	460104	Gmdrm	hypo	CHG	-0.66
Gm09	460342	460493	Gmdrm	hypo	CHG	-0.7113
Gm09	468842	469220	Gmdrm	hypo	CHG	-0.3488
Gm09	469378	469396	Gmdrm	hypo	CHG	-0.6617
Gm09	481850	482090	Gmdrm	hypo	CHG	-0.81
Gm09	482303	482419	Gmdrm	hypo	CHG	-0.9346
Gm09	486075	486129	Gmdrm	hypo	CHG	-0.0417
Gm09	502366	502546	Gmdrm	hypo	CHG	-0.056
Gm09	509412	509507	Gmdrm	hypo	CHG	-0.0707

Gm09	537707	538149	Gmdrm	hypo	CHG	-0.0237
Gm09	541959	542101	Gmdrm	hypo	CHG	-0.3056
Gm09	552072	552146	Gmdrm	hypo	CHG	-0.6886
Gm09	552493	552628	Gmdrm	hypo	CHG	-0.49
Gm09	556747	556878	Gmdrm	hypo	CHG	-0.1663
Gm09	570385	570492	Gmdrm	hypo	CHG	-0.58
Gm09	570630	570727	Gmdrm	hypo	CHG	-0.678
Gm09	571645	572146	Gmdrm	hypo	CHG	-0.0621
Gm09	580459	580743	Gmdrm	hypo	CHG	-0.23
Gm09	584933	585033	Gmdrm	hypo	CHG	-0.5643
Gm09	599904	600272	Gmdrm	hypo	CHG	-0.6092
Gm09	604075	604442	Gmdrm	hypo	CHG	-0.0377
Gm09	622129	622184	Gmdrm	hypo	CHG	-0.036
Gm09	642440	642514	Gmdrm	hypo	CHG	-0.594
Gm09	643481	643648	Gmdrm	hypo	CHG	-0.6385
Gm09	653312	653485	Gmdrm	hypo	CHG	-0.8062
Gm09	694670	694781	Gmdrm	hypo	CHG	-0.066
Gm09	710998	711037	Gmdrm	hypo	CHG	-0.432
Gm09	724997	725109	Gmdrm	hypo	CHG	-0.46
Gm09	727454	727685	Gmdrm	hypo	CHG	-0.6493
Gm09	727794	727974	Gmdrm	hypo	CHG	-0.0667
Gm09	752037	752062	Gmdrm	hypo	CHG	-0.12
Gm09	755152	755289	Gmdrm	hypo	CHG	-0.4371
Gm09	800166	800391	Gmdrm	hypo	CHG	-0.466
Gm09	803372	803455	Gmdrm	hypo	CHG	-0.7443
Gm09	803656	804063	Gmdrm	hypo	CHG	-0.8259
Gm09	821728	821884	Gmdrm	hypo	CHG	-0.903
Gm09	822844	823020	Gmdrm	hypo	CHG	-0.8189
Gm09	827429	827637	Gmdrm	hypo	CHG	-0.4038
Gm09	834141	834497	Gmdrm	hypo	CHG	-0.4793
Gm09	835282	835362	Gmdrm	hypo	CHG	-0.474
Gm09	855865	856136	Gmdrm	hypo	CHG	-0.4824
Gm09	858418	858646	Gmdrm	hypo	CHG	-0.1944
Gm09	861167	861353	Gmdrm	hypo	CHG	-0.09
Gm09	873357	873541	Gmdrm	hypo	CHG	-0.03
Gm09	921117	921292	Gmdrm	hypo	CHG	-0.05
Gm09	930378	930563	Gmdrm	hypo	CHG	-0.042
Gm09	943985	944198	Gmdrm	hypo	CHG	-0.095
Gm09	951278	951388	Gmdrm	hypo	CHG	-0.52
Gm09	964860	964911	Gmdrm	hypo	CHG	-0.0567
Gm09	969692	969814	Gmdrm	hypo	CHG	-0.4467
Gm09	1016676	1017244	Gmdrm	hypo	CHG	-0.0226
Gm09	1052946	1053078	Gmdrm	hypo	CHG	-0.41
Gm09	1053240	1053301	Gmdrm	hypo	CHG	-0.3762
Gm09	1053831	1053889	Gmdrm	hypo	CHG	-0.706
Gm09	1065772	1065919	Gmdrm	hypo	CHG	-0.04

Gm09	1067152	1067221 Gmdrm	hypo	CHG	-0.8733
Gm09	1067597	1067706 Gmdrm	hypo	CHG	-0.6433
Gm09	1072748	1073078 Gmdrm	hypo	CHG	-0.8116
Gm09	1103744	1103904 Gmdrm	hypo	CHG	-0.5343
Gm09	1109007	1109211 Gmdrm	hypo	CHG	-0.0557
Gm09	1159791	1160259 Gmdrm	hypo	CHG	-0.4021
Gm09	1208935	1208997 Gmdrm	hypo	CHG	-0.9234
Gm09	1209107	1209241 Gmdrm	hypo	CHG	-0.7175
Gm09	1241596	1241800 Gmdrm	hypo	CHG	-0.16
Gm09	1241909	1242124 Gmdrm	hypo	CHG	-0.8391
Gm09	1245935	1246347 Gmdrm	hypo	CHG	-0.0316
Gm09	1257994	1258063 Gmdrm	hypo	CHG	-0.5516
Gm09	1258229	1258371 Gmdrm	hypo	CHG	-0.3774
Gm09	1258655	1258798 Gmdrm	hypo	CHG	-0.04
Gm09	1260706	1261044 Gmdrm	hypo	CHG	-0.592
Gm09	1274102	1274196 Gmdrm	hypo	CHG	-0.0983
Gm09	1274323	1274449 Gmdrm	hypo	CHG	-0.4688
Gm09	1274693	1274986 Gmdrm	hypo	CHG	-0.6407
Gm09	1275113	1275176 Gmdrm	hypo	CHG	-0.155
Gm09	1282854	1283048 Gmdrm	hypo	CHG	-0.4399
Gm09	1306506	1306683 Gmdrm	hypo	CHG	-0.0757
Gm09	1329031	1329784 Gmdrm	hypo	CHG	-0.248
Gm09	1370862	1371141 Gmdrm	hypo	CHG	-0.7335
Gm09	1398595	1398741 Gmdrm	hypo	CHG	-0.046
Gm09	1400009	1400163 Gmdrm	hypo	CHG	-0.4957
Gm09	1401723	1402171 Gmdrm	hypo	CHG	-0.368
Gm09	1419967	1420210 Gmdrm	hypo	CHG	-0.58
Gm09	1438367	1438552 Gmdrm	hypo	CHG	-0.0412
Gm09	1472406	1472759 Gmdrm	hypo	CHG	-0.6132
Gm09	1473285	1473407 Gmdrm	hypo	CHG	-0.7157
Gm09	1474859	1475067 Gmdrm	hypo	CHG	-0.496
Gm09	1479043	1479295 Gmdrm	hypo	CHG	-0.0313
Gm09	1483483	1483673 Gmdrm	hypo	CHG	-0.034
Gm09	1489726	1489926 Gmdrm	hypo	CHG	-0.6734
Gm09	1491535	1491615 Gmdrm	hypo	CHG	-0.275
Gm09	1491750	1491859 Gmdrm	hypo	CHG	-0.77
Gm09	1497619	1497852 Gmdrm	hypo	CHG	-0.0654
Gm09	1528969	1529096 Gmdrm	hypo	CHG	-0.1095
Gm09	1536195	1536410 Gmdrm	hypo	CHG	-0.048
Gm09	1593539	1593843 Gmdrm	hypo	CHG	-0.2958
Gm09	1611049	1611436 Gmdrm	hypo	CHG	-0.2863
Gm09	1611548	1611670 Gmdrm	hypo	CHG	-0.3629
Gm09	1624936	1625189 Gmdrm	hypo	CHG	-0.0356
Gm09	1627864	1628028 Gmdrm	hypo	CHG	-0.0871
Gm09	1636850	1636981 Gmdrm	hypo	CHG	-0.2113
Gm09	1637096	1637274 Gmdrm	hypo	CHG	-0.0657

Gm09	1638104	1638259	Gmdrm	hypo	CHG	-0.0457
Gm09	1711187	1711305	Gmdrm	hypo	CHG	-0.34
Gm09	1716248	1716503	Gmdrm	hypo	CHG	-0.2811
Gm09	1731857	1731979	Gmdrm	hypo	CHG	-0.044
Gm09	1738894	1739055	Gmdrm	hypo	CHG	-0.7011
Gm09	1739545	1739652	Gmdrm	hypo	CHG	-0.3111
Gm09	1764855	1765091	Gmdrm	hypo	CHG	-0.36
Gm09	1765808	1765868	Gmdrm	hypo	CHG	-0.7274
Gm09	1806489	1806545	Gmdrm	hypo	CHG	-0.055
Gm09	1815388	1815539	Gmdrm	hypo	CHG	-0.3886
Gm09	1844845	1845050	Gmdrm	hypo	CHG	-0.0843
Gm09	1856827	1857709	Gmdrm	hypo	CHG	-0.2756
Gm09	1858054	1859048	Gmdrm	hypo	CHG	-0.1925
Gm09	1865351	1865554	Gmdrm	hypo	CHG	-0.217
Gm09	1881831	1882239	Gmdrm	hypo	CHG	-0.058
Gm09	1892478	1892681	Gmdrm	hypo	CHG	-0.4109
Gm09	1893060	1893402	Gmdrm	hypo	CHG	-0.8674
Gm09	1893514	1893967	Gmdrm	hypo	CHG	-0.6238
Gm09	1897830	1897850	Gmdrm	hypo	CHG	-0.746
Gm09	1898354	1898447	Gmdrm	hypo	CHG	-0.253
Gm09	1898835	1899016	Gmdrm	hypo	CHG	-0.2733
Gm09	1904074	1904173	Gmdrm	hypo	CHG	-0.052
Gm09	1907347	1907495	Gmdrm	hypo	CHG	-0.685
Gm09	1908134	1908564	Gmdrm	hypo	CHG	-0.0333
Gm09	1935996	1936810	Gmdrm	hypo	CHG	-0.2085
Gm09	1943723	1943858	Gmdrm	hypo	CHG	-0.6166
Gm09	1946775	1946974	Gmdrm	hypo	CHG	-0.2838
Gm09	1950335	1950372	Gmdrm	hypo	CHG	-0.1633
Gm09	1950490	1950704	Gmdrm	hypo	CHG	-0.1522
Gm09	1960623	1960734	Gmdrm	hypo	CHG	-0.366
Gm09	1976202	1976450	Gmdrm	hypo	CHG	-0.085
Gm09	1990923	1990970	Gmdrm	hypo	CHG	-0.4833
Gm09	1991457	1991570	Gmdrm	hypo	CHG	-0.8333
Gm09	1992033	1992063	Gmdrm	hypo	CHG	-0.538
Gm09	1992242	1992293	Gmdrm	hypo	CHG	-0.8933
Gm09	1992951	1993164	Gmdrm	hypo	CHG	-0.7213
Gm09	2009178	2009295	Gmdrm	hypo	CHG	-0.8029
Gm09	2010947	2011125	Gmdrm	hypo	CHG	-0.06
Gm09	2024989	2025124	Gmdrm	hypo	CHG	-0.0563
Gm09	2069720	2069910	Gmdrm	hypo	CHG	-0.7775
Gm09	2075775	2076016	Gmdrm	hypo	CHG	-0.4406
Gm09	2083361	2083606	Gmdrm	hypo	CHG	-0.0401
Gm09	2116341	2116385	Gmdrm	hypo	CHG	-0.7614
Gm09	2143065	2143085	Gmdrm	hypo	CHG	-0.34
Gm09	2148047	2148286	Gmdrm	hypo	CHG	-0.04
Gm09	2149127	2149345	Gmdrm	hypo	CHG	-0.576

Gm09	2149609	2149856	Gmdrm	hypo	CHG	-0.7179
Gm09	2173401	2173735	Gmdrm	hypo	CHG	-0.056
Gm09	2175583	2175687	Gmdrm	hypo	CHG	-0.7417
Gm09	2186793	2186895	Gmdrm	hypo	CHG	-0.04
Gm09	2194802	2194851	Gmdrm	hypo	CHG	-0.058
Gm09	2199878	2200017	Gmdrm	hypo	CHG	-0.6657
Gm09	2200135	2200231	Gmdrm	hypo	CHG	-0.058
Gm09	2232411	2232529	Gmdrm	hypo	CHG	-0.6075
Gm09	2258878	2259074	Gmdrm	hypo	CHG	-0.1275
Gm09	2289984	2290110	Gmdrm	hypo	CHG	-0.3316
Gm09	2290262	2290394	Gmdrm	hypo	CHG	-0.3062
Gm09	2290584	2290774	Gmdrm	hypo	CHG	-0.3125
Gm09	2305379	2305424	Gmdrm	hypo	CHG	-0.47
Gm09	2305565	2306074	Gmdrm	hypo	CHG	-0.7748
Gm09	2308129	2308613	Gmdrm	hypo	CHG	-0.6851
Gm09	2308730	2308891	Gmdrm	hypo	CHG	-0.5616
Gm09	2309022	2309124	Gmdrm	hypo	CHG	-0.5716
Gm09	2309353	2309464	Gmdrm	hypo	CHG	-0.1386
Gm09	2332292	2332720	Gmdrm	hypo	CHG	-0.146
Gm09	2347844	2348022	Gmdrm	hypo	CHG	-0.03
Gm09	2356146	2356379	Gmdrm	hypo	CHG	-0.4457
Gm09	2367057	2367215	Gmdrm	hypo	CHG	-0.6438
Gm09	2373581	2373647	Gmdrm	hypo	CHG	-0.608
Gm09	2395788	2396078	Gmdrm	hypo	CHG	-0.4931
Gm09	2396649	2396781	Gmdrm	hypo	CHG	-0.6789
Gm09	2413366	2413482	Gmdrm	hypo	CHG	-0.5189
Gm09	2413778	2413924	Gmdrm	hypo	CHG	-0.7807
Gm09	2414270	2414396	Gmdrm	hypo	CHG	-0.4166
Gm09	2419499	2419747	Gmdrm	hypo	CHG	-0.0785
Gm09	2425239	2425353	Gmdrm	hypo	CHG	-0.171
Gm09	2425465	2425559	Gmdrm	hypo	CHG	-0.6357
Gm09	2428224	2428596	Gmdrm	hypo	CHG	-0.0345
Gm09	2472789	2472866	Gmdrm	hypo	CHG	-0.054
Gm09	2492567	2492756	Gmdrm	hypo	CHG	-0.73
Gm09	2503183	2503265	Gmdrm	hypo	CHG	-0.056
Gm09	2521567	2521665	Gmdrm	hypo	CHG	-0.383
Gm09	2542441	2542531	Gmdrm	hypo	CHG	-0.08
Gm09	2548762	2548848	Gmdrm	hypo	CHG	-0.83
Gm09	2549498	2549555	Gmdrm	hypo	CHG	-0.66
Gm09	2561226	2561768	Gmdrm	hypo	CHG	-0.0067
Gm09	2574617	2574757	Gmdrm	hypo	CHG	-0.812
Gm09	2597229	2597549	Gmdrm	hypo	CHG	-0.3157
Gm09	2612503	2612674	Gmdrm	hypo	CHG	-0.714
Gm09	2626944	2627324	Gmdrm	hypo	CHG	-0.0278
Gm09	2652500	2652765	Gmdrm	hypo	CHG	-0.5467
Gm09	2661928	2662069	Gmdrm	hypo	CHG	-0.51

Gm09	2677736	2677862	Gmdrm	hypo	CHG	-0.6833
Gm09	2679517	2679657	Gmdrm	hypo	CHG	-0.64
Gm09	2681071	2681234	Gmdrm	hypo	CHG	-0.078
Gm09	2703038	2703211	Gmdrm	hypo	CHG	-0.7174
Gm09	2703354	2703686	Gmdrm	hypo	CHG	-0.6884
Gm09	2705311	2705479	Gmdrm	hypo	CHG	-0.4343
Gm09	2705892	2706155	Gmdrm	hypo	CHG	-0.6107
Gm09	2716069	2716572	Gmdrm	hypo	CHG	-0.8007
Gm09	2724046	2724302	Gmdrm	hypo	CHG	-0.03
Gm09	2763083	2763402	Gmdrm	hypo	CHG	-0.6781
Gm09	2763640	2763706	Gmdrm	hypo	CHG	-0.6217
Gm09	2770793	2771063	Gmdrm	hypo	CHG	-0.6815
Gm09	2799988	2800138	Gmdrm	hypo	CHG	-0.07
Gm09	2815114	2815226	Gmdrm	hypo	CHG	-0.5925
Gm09	2825520	2825728	Gmdrm	hypo	CHG	-0.6145
Gm09	2828477	2828767	Gmdrm	hypo	CHG	-0.681
Gm09	2828910	2829008	Gmdrm	hypo	CHG	-0.0667
Gm09	2884797	2885013	Gmdrm	hypo	CHG	-0.05
Gm09	2925530	2925747	Gmdrm	hypo	CHG	-0.5362
Gm09	2931764	2932007	Gmdrm	hypo	CHG	-0.1
Gm09	2935072	2935100	Gmdrm	hypo	CHG	-0.3033
Gm09	2946309	2946431	Gmdrm	hypo	CHG	-0.7714
Gm09	2967177	2967228	Gmdrm	hypo	CHG	-0.232
Gm09	2967385	2967752	Gmdrm	hypo	CHG	-0.5857
Gm09	2967891	2968041	Gmdrm	hypo	CHG	-0.23
Gm09	2995268	2995620	Gmdrm	hypo	CHG	-0.2677
Gm09	3002234	3002380	Gmdrm	hypo	CHG	-0.2833
Gm09	3003995	3004119	Gmdrm	hypo	CHG	-0.693
Gm09	3015647	3015805	Gmdrm	hypo	CHG	-0.8141
Gm09	3027935	3028078	Gmdrm	hypo	CHG	-0.5066
Gm09	3033293	3033351	Gmdrm	hypo	CHG	-0.3916
Gm09	3040696	3041235	Gmdrm	hypo	CHG	-0.1733
Gm09	3045202	3045283	Gmdrm	hypo	CHG	-0.45
Gm09	3045781	3046177	Gmdrm	hypo	CHG	-0.7337
Gm09	3055456	3055603	Gmdrm	hypo	CHG	-0.6329
Gm09	3056175	3056503	Gmdrm	hypo	CHG	-0.4577
Gm09	3062482	3062627	Gmdrm	hypo	CHG	-0.4837
Gm09	3075390	3075650	Gmdrm	hypo	CHG	-0.3934
Gm09	3110388	3110517	Gmdrm	hypo	CHG	-0.4213
Gm09	3117336	3117357	Gmdrm	hypo	CHG	-0.41
Gm09	3117572	3117662	Gmdrm	hypo	CHG	-0.488
Gm09	3143132	3143231	Gmdrm	hypo	CHG	-0.0486
Gm09	3158707	3158933	Gmdrm	hypo	CHG	-0.4685
Gm09	3159083	3159352	Gmdrm	hypo	CHG	-0.4424
Gm09	3170778	3171036	Gmdrm	hypo	CHG	-0.0323
Gm09	3188984	3189305	Gmdrm	hypo	CHG	-0.7074

Gm09	3198990	3199041	Gmdrm	hypo	CHG	-0.6383
Gm09	3199280	3199464	Gmdrm	hypo	CHG	-0.4725
Gm09	3199808	3199879	Gmdrm	hypo	CHG	-0.802
Gm09	3217102	3217406	Gmdrm	hypo	CHG	-0.0542
Gm09	3249220	3249350	Gmdrm	hypo	CHG	-0.0557
Gm09	3253331	3253676	Gmdrm	hypo	CHG	-0.632
Gm09	3266467	3266549	Gmdrm	hypo	CHG	-0.7615
Gm09	3267265	3267455	Gmdrm	hypo	CHG	-0.7092
Gm09	3267684	3268005	Gmdrm	hypo	CHG	-0.7093
Gm09	3271760	3271893	Gmdrm	hypo	CHG	-0.32
Gm09	3302768	3302864	Gmdrm	hypo	CHG	-0.0417
Gm09	3321949	3322181	Gmdrm	hypo	CHG	-0.8478
Gm09	3327950	3328189	Gmdrm	hypo	CHG	-0.5949
Gm09	3328408	3328503	Gmdrm	hypo	CHG	-0.7166
Gm09	3328718	3328961	Gmdrm	hypo	CHG	-0.8106
Gm09	3344692	3344813	Gmdrm	hypo	CHG	-0.6775
Gm09	3353477	3354336	Gmdrm	hypo	CHG	-0.236
Gm09	3405531	3405956	Gmdrm	hypo	CHG	-0.3923
Gm09	3411884	3411961	Gmdrm	hypo	CHG	-0.4583
Gm09	3431012	3431173	Gmdrm	hypo	CHG	-0.062
Gm09	3443471	3443923	Gmdrm	hypo	CHG	-0.0255
Gm09	3452435	3452561	Gmdrm	hypo	CHG	-0.8033
Gm09	3457896	3457955	Gmdrm	hypo	CHG	-0.778
Gm09	3460954	3461076	Gmdrm	hypo	CHG	-0.034
Gm09	3471922	3472172	Gmdrm	hypo	CHG	-0.4433
Gm09	3472294	3472409	Gmdrm	hypo	CHG	-0.4333
Gm09	3484167	3484482	Gmdrm	hypo	CHG	-0.063
Gm09	3512294	3512417	Gmdrm	hypo	CHG	-0.6292
Gm09	3516810	3517239	Gmdrm	hypo	CHG	-0.39
Gm09	3520174	3520434	Gmdrm	hypo	CHG	-0.21
Gm09	3520682	3520891	Gmdrm	hypo	CHG	-0.5182
Gm09	3521806	3522058	Gmdrm	hypo	CHG	-0.0467
Gm09	3536813	3536892	Gmdrm	hypo	CHG	-0.1283
Gm09	3542939	3543217	Gmdrm	hypo	CHG	-0.3182
Gm09	3543539	3543705	Gmdrm	hypo	CHG	-0.3283
Gm09	3558820	3558967	Gmdrm	hypo	CHG	-0.8129
Gm09	3559744	3559840	Gmdrm	hypo	CHG	-0.4937
Gm09	3565447	3565531	Gmdrm	hypo	CHG	-0.287
Gm09	3585843	3585993	Gmdrm	hypo	CHG	-0.63
Gm09	3586292	3586611	Gmdrm	hypo	CHG	-0.3323
Gm09	3617524	3617685	Gmdrm	hypo	CHG	-0.334
Gm09	3618325	3618381	Gmdrm	hypo	CHG	-0.63
Gm09	3631597	3632003	Gmdrm	hypo	CHG	-0.8724
Gm09	3643245	3643454	Gmdrm	hypo	CHG	-0.042
Gm09	3684025	3684236	Gmdrm	hypo	CHG	-0.3971
Gm09	3727721	3727925	Gmdrm	hypo	CHG	-0.045

Gm09	3736554	3736622	Gmdrm	hypo	CHG	-0.2287
Gm09	3754583	3754920	Gmdrm	hypo	CHG	-0.03
Gm09	3756115	3756300	Gmdrm	hypo	CHG	-0.1967
Gm09	3760498	3760748	Gmdrm	hypo	CHG	-0.0525
Gm09	3761350	3761475	Gmdrm	hypo	CHG	-0.066
Gm09	3766607	3766956	Gmdrm	hypo	CHG	-0.03
Gm09	3769666	3769739	Gmdrm	hypo	CHG	-0.82
Gm09	3769847	3770002	Gmdrm	hypo	CHG	-0.6987
Gm09	3770124	3770432	Gmdrm	hypo	CHG	-0.518
Gm09	3770557	3770653	Gmdrm	hypo	CHG	-0.725
Gm09	3789710	3789780	Gmdrm	hypo	CHG	-0.85
Gm09	3790021	3790190	Gmdrm	hypo	CHG	-0.588
Gm09	3792121	3792139	Gmdrm	hypo	CHG	-0.0633
Gm09	3794928	3795122	Gmdrm	hypo	CHG	-0.044
Gm09	3816398	3816501	Gmdrm	hypo	CHG	-0.513
Gm09	3822590	3822771	Gmdrm	hypo	CHG	-0.4684
Gm09	3842118	3842565	Gmdrm	hypo	CHG	-0.5711
Gm09	3842717	3842942	Gmdrm	hypo	CHG	-0.1883
Gm09	3869013	3869101	Gmdrm	hypo	CHG	-0.8229
Gm09	3874119	3874265	Gmdrm	hypo	CHG	-0.79
Gm09	3882420	3882714	Gmdrm	hypo	CHG	-0.665
Gm09	3891656	3892091	Gmdrm	hypo	CHG	-0.7784
Gm09	3908411	3908555	Gmdrm	hypo	CHG	-0.8263
Gm09	3908723	3908855	Gmdrm	hypo	CHG	-0.7583
Gm09	3909127	3909351	Gmdrm	hypo	CHG	-0.5457
Gm09	3909735	3909773	Gmdrm	hypo	CHG	-0.2783
Gm09	3914529	3914796	Gmdrm	hypo	CHG	-0.5675
Gm09	3919591	3920139	Gmdrm	hypo	CHG	-0.2044
Gm09	3928582	3928657	Gmdrm	hypo	CHG	-0.762
Gm09	3937095	3937194	Gmdrm	hypo	CHG	-0.7714
Gm09	3940808	3940969	Gmdrm	hypo	CHG	-0.0643
Gm09	3956632	3956998	Gmdrm	hypo	CHG	-0.1522
Gm09	3998965	3999026	Gmdrm	hypo	CHG	-0.3871
Gm09	4057407	4057487	Gmdrm	hypo	CHG	-0.4683
Gm09	4057632	4057878	Gmdrm	hypo	CHG	-0.7025
Gm09	4058049	4058093	Gmdrm	hypo	CHG	-0.688
Gm09	4058817	4058849	Gmdrm	hypo	CHG	-0.482
Gm09	4075303	4075429	Gmdrm	hypo	CHG	-0.047
Gm09	4075611	4075782	Gmdrm	hypo	CHG	-0.0711
Gm09	4080978	4081044	Gmdrm	hypo	CHG	-0.2028
Gm09	4082451	4082464	Gmdrm	hypo	CHG	-0.5884
Gm09	4086681	4086815	Gmdrm	hypo	CHG	-0.0433
Gm09	4120033	4120150	Gmdrm	hypo	CHG	-0.04
Gm09	4120520	4120748	Gmdrm	hypo	CHG	-0.5158
Gm09	4120863	4120996	Gmdrm	hypo	CHG	-0.8367
Gm09	4124211	4124287	Gmdrm	hypo	CHG	-0.6666

Gm09	4124673	4125003	Gmdrm	hypo	CHG	-0.875
Gm09	4128089	4128362	Gmdrm	hypo	CHG	-0.0529
Gm09	4161202	4161305	Gmdrm	hypo	CHG	-0.702
Gm09	4177988	4178080	Gmdrm	hypo	CHG	-0.3643
Gm09	4178834	4179318	Gmdrm	hypo	CHG	-0.3356
Gm09	4179499	4179596	Gmdrm	hypo	CHG	-0.4312
Gm09	4190499	4190575	Gmdrm	hypo	CHG	-0.526
Gm09	4190860	4190923	Gmdrm	hypo	CHG	-0.7829
Gm09	4228981	4229134	Gmdrm	hypo	CHG	-0.8375
Gm09	4232307	4232402	Gmdrm	hypo	CHG	-0.5455
Gm09	4244124	4244243	Gmdrm	hypo	CHG	-0.5116
Gm09	4246868	4247125	Gmdrm	hypo	CHG	-0.601
Gm09	4250094	4250361	Gmdrm	hypo	CHG	-0.4023
Gm09	4252885	4252924	Gmdrm	hypo	CHG	-0.37
Gm09	4265108	4265251	Gmdrm	hypo	CHG	-0.4583
Gm09	4265644	4265722	Gmdrm	hypo	CHG	-0.3214
Gm09	4284179	4284410	Gmdrm	hypo	CHG	-0.0286
Gm09	4297134	4297434	Gmdrm	hypo	CHG	-0.4023
Gm09	4300707	4301035	Gmdrm	hypo	CHG	-0.116
Gm09	4316821	4316910	Gmdrm	hypo	CHG	-0.6225
Gm09	4326528	4326889	Gmdrm	hypo	CHG	-0.2782
Gm09	4337795	4337915	Gmdrm	hypo	CHG	-0.7137
Gm09	4342649	4342893	Gmdrm	hypo	CHG	-0.034
Gm09	4364624	4364859	Gmdrm	hypo	CHG	-0.8384
Gm09	4365492	4365595	Gmdrm	hypo	CHG	-0.036
Gm09	4384166	4384339	Gmdrm	hypo	CHG	-0.3811
Gm09	4387595	4387674	Gmdrm	hypo	CHG	-0.086
Gm09	4394527	4394646	Gmdrm	hypo	CHG	-0.8912
Gm09	4410194	4410360	Gmdrm	hypo	CHG	-0.31
Gm09	4419158	4419319	Gmdrm	hypo	CHG	-0.5325
Gm09	4434886	4435605	Gmdrm	hypo	CHG	-0.3319
Gm09	4442539	4442589	Gmdrm	hypo	CHG	-0.598
Gm09	4445272	4445375	Gmdrm	hypo	CHG	-0.6833
Gm09	4451674	4451833	Gmdrm	hypo	CHG	-0.6292
Gm09	4451976	4452370	Gmdrm	hypo	CHG	-0.3955
Gm09	4452577	4453122	Gmdrm	hypo	CHG	-0.1154
Gm09	4453411	4453445	Gmdrm	hypo	CHG	-0.64
Gm09	4467864	4467916	Gmdrm	hypo	CHG	-0.072
Gm09	4470556	4470630	Gmdrm	hypo	CHG	-0.8812
Gm09	4470824	4471064	Gmdrm	hypo	CHG	-0.6378
Gm09	4472466	4472645	Gmdrm	hypo	CHG	-0.4884
Gm09	4487452	4487557	Gmdrm	hypo	CHG	-0.03
Gm09	4501294	4501411	Gmdrm	hypo	CHG	-0.525
Gm09	4535166	4535577	Gmdrm	hypo	CHG	-0.3
Gm09	4536810	4536958	Gmdrm	hypo	CHG	-0.2662
Gm09	4537098	4537364	Gmdrm	hypo	CHG	-0.2256

Gm09	4537499	4537803	Gmdrm	hypo	CHG	-0.5915
Gm09	4564109	4564184	Gmdrm	hypo	CHG	-0.8766
Gm09	4574935	4575103	Gmdrm	hypo	CHG	-0.5786
Gm09	4578226	4578679	Gmdrm	hypo	CHG	-0.043
Gm09	4612699	4612850	Gmdrm	hypo	CHG	-0.8367
Gm09	4626885	4627085	Gmdrm	hypo	CHG	-0.0763
Gm09	4635862	4635990	Gmdrm	hypo	CHG	-0.2884
Gm09	4652050	4652406	Gmdrm	hypo	CHG	-0.853
Gm09	4665519	4665680	Gmdrm	hypo	CHG	-0.3833
Gm09	4669476	4669622	Gmdrm	hypo	CHG	-0.1013
Gm09	4673936	4674063	Gmdrm	hypo	CHG	-0.61
Gm09	4676368	4676494	Gmdrm	hypo	CHG	-0.159
Gm09	4676703	4676911	Gmdrm	hypo	CHG	-0.7714
Gm09	4677142	4677304	Gmdrm	hypo	CHG	-0.5933
Gm09	4677503	4677939	Gmdrm	hypo	CHG	-0.3822
Gm09	4690247	4690416	Gmdrm	hypo	CHG	-0.6375
Gm09	4693215	4693374	Gmdrm	hypo	CHG	-0.5183
Gm09	4701137	4701286	Gmdrm	hypo	CHG	-0.7257
Gm09	4708377	4708718	Gmdrm	hypo	CHG	-0.4073
Gm09	4723587	4723890	Gmdrm	hypo	CHG	-0.6646
Gm09	4724017	4724258	Gmdrm	hypo	CHG	-0.0562
Gm09	4729041	4729270	Gmdrm	hypo	CHG	-0.7445
Gm09	4742426	4742587	Gmdrm	hypo	CHG	-0.755
Gm09	4769795	4769821	Gmdrm	hypo	CHG	-0.588
Gm09	4776047	4776149	Gmdrm	hypo	CHG	-0.7367
Gm09	4802698	4802918	Gmdrm	hypo	CHG	-0.5084
Gm09	4816295	4816386	Gmdrm	hypo	CHG	-0.5016
Gm09	4821894	4822112	Gmdrm	hypo	CHG	-0.61
Gm09	4828184	4828328	Gmdrm	hypo	CHG	-0.05
Gm09	4842429	4842491	Gmdrm	hypo	CHG	-0.06
Gm09	4849827	4849941	Gmdrm	hypo	CHG	-0.2034
Gm09	4850084	4850322	Gmdrm	hypo	CHG	-0.5031
Gm09	4885780	4885890	Gmdrm	hypo	CHG	-0.5771
Gm09	4888387	4888494	Gmdrm	hypo	CHG	-0.6934
Gm09	4888613	4888626	Gmdrm	hypo	CHG	-0.8517
Gm09	4898836	4899157	Gmdrm	hypo	CHG	-0.515
Gm09	4899627	4899941	Gmdrm	hypo	CHG	-0.0455
Gm09	4907262	4907318	Gmdrm	hypo	CHG	-0.165
Gm09	4920153	4920279	Gmdrm	hypo	CHG	-0.3375
Gm09	4935437	4935684	Gmdrm	hypo	CHG	-0.3753
Gm09	4935837	4935983	Gmdrm	hypo	CHG	-0.2586
Gm09	4945591	4945671	Gmdrm	hypo	CHG	-0.7612
Gm09	4948122	4948387	Gmdrm	hypo	CHG	-0.3952
Gm09	4949109	4949643	Gmdrm	hypo	CHG	-0.4597
Gm09	4959351	4959466	Gmdrm	hypo	CHG	-0.3728
Gm09	4967897	4968397	Gmdrm	hypo	CHG	-0.1264

Gm09	4973319	4973937	Gmdrm	hypo	CHG	-0.741
Gm09	4974065	4974574	Gmdrm	hypo	CHG	-0.6113
Gm09	4977441	4977550	Gmdrm	hypo	CHG	-0.1978
Gm09	4982087	4982511	Gmdrm	hypo	CHG	-0.1877
Gm09	4983676	4983817	Gmdrm	hypo	CHG	-0.048
Gm09	4990540	4990702	Gmdrm	hypo	CHG	-0.5947
Gm09	4990857	4991044	Gmdrm	hypo	CHG	-0.6467
Gm09	4991695	4991922	Gmdrm	hypo	CHG	-0.6589
Gm09	4993692	4994043	Gmdrm	hypo	CHG	-0.16
Gm09	5006509	5006592	Gmdrm	hypo	CHG	-0.5983
Gm09	5021356	5021604	Gmdrm	hypo	CHG	-0.7664
Gm09	5057534	5057722	Gmdrm	hypo	CHG	-0.434
Gm09	5057831	5057909	Gmdrm	hypo	CHG	-0.08
Gm09	5064052	5064213	Gmdrm	hypo	CHG	-0.8164
Gm09	5070989	5071342	Gmdrm	hypo	CHG	-0.9246
Gm09	5077301	5077745	Gmdrm	hypo	CHG	-0.2956
Gm09	5078861	5079062	Gmdrm	hypo	CHG	-0.5167
Gm09	5084885	5085059	Gmdrm	hypo	CHG	-0.6522
Gm09	5085192	5085399	Gmdrm	hypo	CHG	-0.6275
Gm09	5085593	5085781	Gmdrm	hypo	CHG	-0.554
Gm09	5100384	5100545	Gmdrm	hypo	CHG	-0.512
Gm09	5101188	5101277	Gmdrm	hypo	CHG	-0.234
Gm09	5104463	5105233	Gmdrm	hypo	CHG	-0.2526
Gm09	5111711	5111820	Gmdrm	hypo	CHG	-0.03
Gm09	5118528	5118827	Gmdrm	hypo	CHG	-0.0269
Gm09	5121951	5122106	Gmdrm	hypo	CHG	-0.0975
Gm09	5125566	5125781	Gmdrm	hypo	CHG	-0.5809
Gm09	5138620	5138843	Gmdrm	hypo	CHG	-0.04
Gm09	5146230	5146387	Gmdrm	hypo	CHG	-0.149
Gm09	5162981	5163489	Gmdrm	hypo	CHG	-0.6554
Gm09	5166771	5166910	Gmdrm	hypo	CHG	-0.595
Gm09	5173313	5173504	Gmdrm	hypo	CHG	-0.3429
Gm09	5174279	5174310	Gmdrm	hypo	CHG	-0.4767
Gm09	5174633	5174720	Gmdrm	hypo	CHG	-0.1283
Gm09	5175724	5175898	Gmdrm	hypo	CHG	-0.6883
Gm09	5176040	5176129	Gmdrm	hypo	CHG	-0.6166
Gm09	5176787	5177131	Gmdrm	hypo	CHG	-0.36
Gm09	5177332	5177610	Gmdrm	hypo	CHG	-0.6785
Gm09	5186948	5187065	Gmdrm	hypo	CHG	-0.476
Gm09	5188125	5188240	Gmdrm	hypo	CHG	-0.7714
Gm09	5222753	5222981	Gmdrm	hypo	CHG	-0.2827
Gm09	5235002	5235990	Gmdrm	hypo	CHG	-0.1853
Gm09	5236290	5236509	Gmdrm	hypo	CHG	-0.3576
Gm09	5236610	5237310	Gmdrm	hypo	CHG	-0.2742
Gm09	5275619	5275722	Gmdrm	hypo	CHG	-0.546
Gm09	5275840	5275925	Gmdrm	hypo	CHG	-0.44

Gm09	5277190	5277333	Gmdrm	hypo	CHG	-0.3674
Gm09	5280451	5280582	Gmdrm	hypo	CHG	-0.7317
Gm09	5280930	5281032	Gmdrm	hypo	CHG	-0.4667
Gm09	5282319	5282485	Gmdrm	hypo	CHG	-0.108
Gm09	5294057	5294247	Gmdrm	hypo	CHG	-0.4237
Gm09	5316165	5316537	Gmdrm	hypo	CHG	-0.1417
Gm09	5326878	5327280	Gmdrm	hypo	CHG	-0.2727
Gm09	5342243	5342399	Gmdrm	hypo	CHG	-0.0437
Gm09	5361157	5361493	Gmdrm	hypo	CHG	-0.6781
Gm09	5361746	5361869	Gmdrm	hypo	CHG	-0.224
Gm09	5362658	5363056	Gmdrm	hypo	CHG	-0.6623
Gm09	5390693	5390911	Gmdrm	hypo	CHG	-0.7442
Gm09	5401721	5401922	Gmdrm	hypo	CHG	-0.6467
Gm09	5402112	5402354	Gmdrm	hypo	CHG	-0.81
Gm09	5410270	5410323	Gmdrm	hypo	CHG	-0.0343
Gm09	5425076	5425169	Gmdrm	hypo	CHG	-0.8329
Gm09	5433783	5433892	Gmdrm	hypo	CHG	-0.614
Gm09	5436237	5436333	Gmdrm	hypo	CHG	-0.0557
Gm09	5454793	5454877	Gmdrm	hypo	CHG	-0.325
Gm09	5458224	5458402	Gmdrm	hypo	CHG	-0.0357
Gm09	5461974	5462310	Gmdrm	hypo	CHG	-0.1043
Gm09	5477559	5477657	Gmdrm	hypo	CHG	-0.1414
Gm09	5512242	5512390	Gmdrm	hypo	CHG	-0.2375
Gm09	5531940	5532257	Gmdrm	hypo	CHG	-0.4177
Gm09	5532382	5532545	Gmdrm	hypo	CHG	-0.4447
Gm09	5534371	5534457	Gmdrm	hypo	CHG	-0.183
Gm09	5545585	5545719	Gmdrm	hypo	CHG	-0.428
Gm09	5545922	5546059	Gmdrm	hypo	CHG	-0.2186
Gm09	5546287	5546451	Gmdrm	hypo	CHG	-0.1626
Gm09	5546836	5547203	Gmdrm	hypo	CHG	-0.7388
Gm09	5554197	5554212	Gmdrm	hypo	CHG	-0.3267
Gm09	5608555	5608597	Gmdrm	hypo	CHG	-0.25
Gm09	5657522	5657557	Gmdrm	hypo	CHG	-0.592
Gm09	5686410	5686531	Gmdrm	hypo	CHG	-0.485
Gm09	5694318	5694453	Gmdrm	hypo	CHG	-0.5172
Gm09	5717902	5717978	Gmdrm	hypo	CHG	-0.6784
Gm09	5721080	5721495	Gmdrm	hypo	CHG	-0.4672
Gm09	5728202	5728390	Gmdrm	hypo	CHG	-0.7467
Gm09	5734043	5734761	Gmdrm	hypo	CHG	-0.0379
Gm09	5736043	5736142	Gmdrm	hypo	CHG	-0.2434
Gm09	5755840	5755887	Gmdrm	hypo	CHG	-0.5971
Gm09	5773539	5773799	Gmdrm	hypo	CHG	-0.03
Gm09	5780288	5780456	Gmdrm	hypo	CHG	-0.032
Gm09	5781802	5781925	Gmdrm	hypo	CHG	-0.02
Gm09	5790817	5791627	Gmdrm	hypo	CHG	-0.3635
Gm09	5793854	5793976	Gmdrm	hypo	CHG	-0.0729

Gm09	5800803	5801000	Gmdrm	hypo	CHG	-0.4125
Gm09	5812926	5813060	Gmdrm	hypo	CHG	-0.085
Gm09	5814963	5815085	Gmdrm	hypo	CHG	-0.4712
Gm09	5815590	5815856	Gmdrm	hypo	CHG	-0.4091
Gm09	5816615	5816779	Gmdrm	hypo	CHG	-0.3233
Gm09	5830636	5830684	Gmdrm	hypo	CHG	-0.1717
Gm09	5838951	5839315	Gmdrm	hypo	CHG	-0.2225
Gm09	5839613	5839695	Gmdrm	hypo	CHG	-0.6786
Gm09	5849268	5849387	Gmdrm	hypo	CHG	-0.43
Gm09	5851731	5851892	Gmdrm	hypo	CHG	-0.45
Gm09	5869665	5869801	Gmdrm	hypo	CHG	-0.034
Gm09	5889354	5889463	Gmdrm	hypo	CHG	-0.686
Gm09	5902393	5902483	Gmdrm	hypo	CHG	-0.7254
Gm09	5929427	5929641	Gmdrm	hypo	CHG	-0.188
Gm09	5932719	5932976	Gmdrm	hypo	CHG	-0.1373
Gm09	5961273	5961352	Gmdrm	hypo	CHG	-0.8217
Gm09	5961514	5961618	Gmdrm	hypo	CHG	-0.84
Gm09	5962382	5962595	Gmdrm	hypo	CHG	-0.8169
Gm09	5983836	5983956	Gmdrm	hypo	CHG	-0.072
Gm09	5986446	5986639	Gmdrm	hypo	CHG	-0.19
Gm09	5995906	5996188	Gmdrm	hypo	CHG	-0.48
Gm09	5998917	5999078	Gmdrm	hypo	CHG	-0.126
Gm09	6005323	6005533	Gmdrm	hypo	CHG	-0.4328
Gm09	6033644	6034167	Gmdrm	hypo	CHG	-0.2237
Gm09	6050876	6051046	Gmdrm	hypo	CHG	-0.33
Gm09	6051152	6051366	Gmdrm	hypo	CHG	-0.7834
Gm09	6055288	6055333	Gmdrm	hypo	CHG	-0.1767
Gm09	6056283	6057158	Gmdrm	hypo	CHG	-0.0945
Gm09	6067522	6068304	Gmdrm	hypo	CHG	-0.2722
Gm09	6068785	6069130	Gmdrm	hypo	CHG	-0.1385
Gm09	6077423	6077547	Gmdrm	hypo	CHG	-0.7367
Gm09	6079068	6079249	Gmdrm	hypo	CHG	-0.2178
Gm09	6081164	6081282	Gmdrm	hypo	CHG	-0.4772
Gm09	6083357	6083655	Gmdrm	hypo	CHG	-0.1078
Gm09	6084590	6084791	Gmdrm	hypo	CHG	-0.4362
Gm09	6101708	6101758	Gmdrm	hypo	CHG	-0.3666
Gm09	6109216	6109363	Gmdrm	hypo	CHG	-0.193
Gm09	6114289	6114489	Gmdrm	hypo	CHG	-0.0926
Gm09	6137491	6137929	Gmdrm	hypo	CHG	-0.2174
Gm09	6138241	6138376	Gmdrm	hypo	CHG	-0.2378
Gm09	6150629	6150882	Gmdrm	hypo	CHG	-0.06
Gm09	6159991	6160458	Gmdrm	hypo	CHG	-0.4634
Gm09	6160717	6160792	Gmdrm	hypo	CHG	-0.8163
Gm09	6168647	6168695	Gmdrm	hypo	CHG	-0.7
Gm09	6185128	6185285	Gmdrm	hypo	CHG	-0.307
Gm09	6196541	6197170	Gmdrm	hypo	CHG	-0.21

Gm09	6233401	6233716	Gmdrm	hypo	CHG	-0.7138
Gm09	6245704	6245872	Gmdrm	hypo	CHG	-0.4557
Gm09	6251456	6251703	Gmdrm	hypo	CHG	-0.1626
Gm09	6258923	6259094	Gmdrm	hypo	CHG	-0.2329
Gm09	6260299	6260911	Gmdrm	hypo	CHG	-0.3731
Gm09	6271083	6271250	Gmdrm	hypo	CHG	-0.1457
Gm09	6274114	6274573	Gmdrm	hypo	CHG	-0.6774
Gm09	6275529	6275617	Gmdrm	hypo	CHG	-0.3559
Gm09	6275843	6275921	Gmdrm	hypo	CHG	-0.7067
Gm09	6276064	6276320	Gmdrm	hypo	CHG	-0.575
Gm09	6276568	6276712	Gmdrm	hypo	CHG	-0.0343
Gm09	6291177	6291363	Gmdrm	hypo	CHG	-0.7895
Gm09	6291608	6291746	Gmdrm	hypo	CHG	-0.6145
Gm09	6300935	6300977	Gmdrm	hypo	CHG	-0.385
Gm09	6321542	6321762	Gmdrm	hypo	CHG	-0.5675
Gm09	6321891	6322210	Gmdrm	hypo	CHG	-0.4008
Gm09	6328536	6328960	Gmdrm	hypo	CHG	-0.2629
Gm09	6346083	6346396	Gmdrm	hypo	CHG	-0.1722
Gm09	6382175	6382254	Gmdrm	hypo	CHG	-0.142
Gm09	6388476	6388724	Gmdrm	hypo	CHG	-0.6167
Gm09	6388837	6389073	Gmdrm	hypo	CHG	-0.5327
Gm09	6389336	6389498	Gmdrm	hypo	CHG	-0.2764
Gm09	6393576	6393893	Gmdrm	hypo	CHG	-0.03
Gm09	6395446	6395591	Gmdrm	hypo	CHG	-0.06
Gm09	6396820	6397133	Gmdrm	hypo	CHG	-0.0329
Gm09	6398854	6399242	Gmdrm	hypo	CHG	-0.6753
Gm09	6433591	6433631	Gmdrm	hypo	CHG	-0.51
Gm09	6441454	6441500	Gmdrm	hypo	CHG	-0.235
Gm09	6483858	6484347	Gmdrm	hypo	CHG	-0.085
Gm09	6513623	6513870	Gmdrm	hypo	CHG	-0.885
Gm09	6514065	6514267	Gmdrm	hypo	CHG	-0.6773
Gm09	6514398	6514540	Gmdrm	hypo	CHG	-0.6129
Gm09	6529989	6530142	Gmdrm	hypo	CHG	-0.22
Gm09	6530245	6530349	Gmdrm	hypo	CHG	-0.331
Gm09	6549349	6549506	Gmdrm	hypo	CHG	-0.1033
Gm09	6551310	6551403	Gmdrm	hypo	CHG	-0.6686
Gm09	6567039	6567183	Gmdrm	hypo	CHG	-0.8664
Gm09	6573087	6573180	Gmdrm	hypo	CHG	-0.14
Gm09	6573291	6573393	Gmdrm	hypo	CHG	-0.69
Gm09	6580581	6580785	Gmdrm	hypo	CHG	-0.0375
Gm09	6587261	6587409	Gmdrm	hypo	CHG	-0.6456
Gm09	6589254	6589689	Gmdrm	hypo	CHG	-0.8304
Gm09	6602781	6602919	Gmdrm	hypo	CHG	-0.524
Gm09	6604838	6605150	Gmdrm	hypo	CHG	-0.1491
Gm09	6605626	6605848	Gmdrm	hypo	CHG	-0.8391
Gm09	6607580	6607691	Gmdrm	hypo	CHG	-0.7829

Gm09	6607874	6608178	Gmdrm	hypo	CHG	-0.606
Gm09	6608350	6608585	Gmdrm	hypo	CHG	-0.04
Gm09	6610007	6610188	Gmdrm	hypo	CHG	-0.2609
Gm09	6628941	6629235	Gmdrm	hypo	CHG	-0.3306
Gm09	6629598	6629720	Gmdrm	hypo	CHG	-0.1217
Gm09	6650844	6651213	Gmdrm	hypo	CHG	-0.305
Gm09	6651599	6651744	Gmdrm	hypo	CHG	-0.1711
Gm09	6651900	6652061	Gmdrm	hypo	CHG	-0.1912
Gm09	6654399	6654700	Gmdrm	hypo	CHG	-0.2647
Gm09	6674864	6675010	Gmdrm	hypo	CHG	-0.31
Gm09	6687315	6687707	Gmdrm	hypo	CHG	-0.24
Gm09	6687825	6687889	Gmdrm	hypo	CHG	-0.6799
Gm09	6690117	6690592	Gmdrm	hypo	CHG	-0.1844
Gm09	6722825	6723050	Gmdrm	hypo	CHG	-0.2142
Gm09	6724620	6725023	Gmdrm	hypo	CHG	-0.2269
Gm09	6761902	6762001	Gmdrm	hypo	CHG	-0.8333
Gm09	6763244	6763641	Gmdrm	hypo	CHG	-0.6237
Gm09	6778201	6778451	Gmdrm	hypo	CHG	-0.7184
Gm09	6808103	6808371	Gmdrm	hypo	CHG	-0.6634
Gm09	6808530	6808627	Gmdrm	hypo	CHG	-0.645
Gm09	6815318	6815571	Gmdrm	hypo	CHG	-0.262
Gm09	6816071	6816101	Gmdrm	hypo	CHG	-0.6533
Gm09	6816404	6816461	Gmdrm	hypo	CHG	-0.3657
Gm09	6816596	6816638	Gmdrm	hypo	CHG	-0.3167
Gm09	6822342	6822394	Gmdrm	hypo	CHG	-0.9186
Gm09	6841892	6842079	Gmdrm	hypo	CHG	-0.2287
Gm09	6850031	6850203	Gmdrm	hypo	CHG	-0.3708
Gm09	6853085	6853491	Gmdrm	hypo	CHG	-0.1342
Gm09	6907716	6907857	Gmdrm	hypo	CHG	-0.1836
Gm09	6928082	6928135	Gmdrm	hypo	CHG	-0.195
Gm09	6933451	6933633	Gmdrm	hypo	CHG	-0.4225
Gm09	6934493	6935027	Gmdrm	hypo	CHG	-0.1756
Gm09	6936615	6936700	Gmdrm	hypo	CHG	-0.088
Gm09	6937414	6937530	Gmdrm	hypo	CHG	-0.6638
Gm09	6955608	6955771	Gmdrm	hypo	CHG	-0.3583
Gm09	6960003	6960085	Gmdrm	hypo	CHG	-0.526
Gm09	6991775	6992006	Gmdrm	hypo	CHG	-0.11
Gm09	6992323	6992705	Gmdrm	hypo	CHG	-0.5058
Gm09	7012984	7013070	Gmdrm	hypo	CHG	-0.16
Gm09	7019586	7019797	Gmdrm	hypo	CHG	-0.052
Gm09	7039472	7039711	Gmdrm	hypo	CHG	-0.2563
Gm09	7044423	7044644	Gmdrm	hypo	CHG	-0.0222
Gm09	7046436	7046543	Gmdrm	hypo	CHG	-0.0643
Gm09	7054234	7054572	Gmdrm	hypo	CHG	-0.584
Gm09	7054905	7055244	Gmdrm	hypo	CHG	-0.7339
Gm09	7059973	7060216	Gmdrm	hypo	CHG	-0.441

Gm09	7063064	7063214	Gmdrm	hypo	CHG	-0.8683
Gm09	7063324	7063393	Gmdrm	hypo	CHG	-0.9162
Gm09	7083371	7083874	Gmdrm	hypo	CHG	-0.5789
Gm09	7084547	7084804	Gmdrm	hypo	CHG	-0.8052
Gm09	7108134	7108384	Gmdrm	hypo	CHG	-0.0694
Gm09	7118884	7118982	Gmdrm	hypo	CHG	-0.1142
Gm09	7131906	7132154	Gmdrm	hypo	CHG	-0.2844
Gm09	7136342	7136391	Gmdrm	hypo	CHG	-0.65
Gm09	7136550	7136570	Gmdrm	hypo	CHG	-0.926
Gm09	7149096	7149235	Gmdrm	hypo	CHG	-0.8938
Gm09	7149482	7149810	Gmdrm	hypo	CHG	-0.1675
Gm09	7150581	7151086	Gmdrm	hypo	CHG	-0.3879
Gm09	7156397	7156516	Gmdrm	hypo	CHG	-0.7718
Gm09	7156966	7157200	Gmdrm	hypo	CHG	-0.555
Gm09	7160363	7160763	Gmdrm	hypo	CHG	-0.0275
Gm09	7165307	7165372	Gmdrm	hypo	CHG	-0.04
Gm09	7168625	7168752	Gmdrm	hypo	CHG	-0.5367
Gm09	7169029	7169207	Gmdrm	hypo	CHG	-0.317
Gm09	7169561	7169942	Gmdrm	hypo	CHG	-0.0508
Gm09	7172527	7172650	Gmdrm	hypo	CHG	-0.9354
Gm09	7173039	7173091	Gmdrm	hypo	CHG	-0.9929
Gm09	7206002	7206077	Gmdrm	hypo	CHG	-0.7625
Gm09	7206372	7206573	Gmdrm	hypo	CHG	-0.5167
Gm09	7207068	7207413	Gmdrm	hypo	CHG	-0.49
Gm09	7207876	7207994	Gmdrm	hypo	CHG	-0.638
Gm09	7212933	7213078	Gmdrm	hypo	CHG	-0.6257
Gm09	7249264	7249335	Gmdrm	hypo	CHG	-0.038
Gm09	7264214	7264319	Gmdrm	hypo	CHG	-0.712
Gm09	7266374	7266518	Gmdrm	hypo	CHG	-0.4737
Gm09	7267317	7267487	Gmdrm	hypo	CHG	-0.4263
Gm09	7274201	7274308	Gmdrm	hypo	CHG	-0.6967
Gm09	7322798	7322951	Gmdrm	hypo	CHG	-0.769
Gm09	7323165	7323371	Gmdrm	hypo	CHG	-0.3783
Gm09	7329179	7329377	Gmdrm	hypo	CHG	-0.27
Gm09	7329755	7330044	Gmdrm	hypo	CHG	-0.1763
Gm09	7330232	7330548	Gmdrm	hypo	CHG	-0.2937
Gm09	7330667	7330974	Gmdrm	hypo	CHG	-0.5507
Gm09	7333322	7333453	Gmdrm	hypo	CHG	-0.745
Gm09	7341436	7341675	Gmdrm	hypo	CHG	-0.9009
Gm09	7345267	7345428	Gmdrm	hypo	CHG	-0.8391
Gm09	7345552	7345735	Gmdrm	hypo	CHG	-0.6278
Gm09	7353578	7353857	Gmdrm	hypo	CHG	-0.4066
Gm09	7355759	7355844	Gmdrm	hypo	CHG	-0.1163
Gm09	7389762	7389814	Gmdrm	hypo	CHG	-0.7
Gm09	7404249	7404351	Gmdrm	hypo	CHG	-0.594
Gm09	7430546	7430858	Gmdrm	hypo	CHG	-0.1867

Gm09	7431261	7431473	Gmdrm	hypo	CHG	-0.6889
Gm09	7438937	7439060	Gmdrm	hypo	CHG	-0.0562
Gm09	7464010	7464149	Gmdrm	hypo	CHG	-0.5686
Gm09	7472554	7472638	Gmdrm	hypo	CHG	-0.054
Gm09	7489466	7489504	Gmdrm	hypo	CHG	-0.585
Gm09	7490412	7490868	Gmdrm	hypo	CHG	-0.0316
Gm09	7498861	7499218	Gmdrm	hypo	CHG	-0.8728
Gm09	7513502	7514053	Gmdrm	hypo	CHG	-0.422
Gm09	7518945	7519093	Gmdrm	hypo	CHG	-0.1233
Gm09	7537368	7537693	Gmdrm	hypo	CHG	-0.2312
Gm09	7568029	7568637	Gmdrm	hypo	CHG	-0.654
Gm09	7568859	7568986	Gmdrm	hypo	CHG	-0.2757
Gm09	7579411	7579612	Gmdrm	hypo	CHG	-0.0367
Gm09	7606806	7606883	Gmdrm	hypo	CHG	-0.1714
Gm09	7607628	7607736	Gmdrm	hypo	CHG	-0.065
Gm09	7646749	7646902	Gmdrm	hypo	CHG	-0.7174
Gm09	7648746	7649049	Gmdrm	hypo	CHG	-0.6793
Gm09	7650513	7650857	Gmdrm	hypo	CHG	-0.54
Gm09	7651012	7651237	Gmdrm	hypo	CHG	-0.7294
Gm09	7652669	7652692	Gmdrm	hypo	CHG	-0.09
Gm09	7676480	7676568	Gmdrm	hypo	CHG	-0.625
Gm09	7676745	7676787	Gmdrm	hypo	CHG	-0.444
Gm09	7758058	7758572	Gmdrm	hypo	CHG	-0.0646
Gm09	7758793	7759122	Gmdrm	hypo	CHG	-0.4609
Gm09	7767870	7768034	Gmdrm	hypo	CHG	-0.044
Gm09	7774817	7775195	Gmdrm	hypo	CHG	-0.7041
Gm09	7782976	7783385	Gmdrm	hypo	CHG	-0.3519
Gm09	7803930	7804497	Gmdrm	hypo	CHG	-0.4864
Gm09	7805881	7806000	Gmdrm	hypo	CHG	-0.082
Gm09	7825318	7825448	Gmdrm	hypo	CHG	-0.4524
Gm09	7878475	7878592	Gmdrm	hypo	CHG	-0.448
Gm09	7878698	7878951	Gmdrm	hypo	CHG	-0.7973
Gm09	7884488	7884638	Gmdrm	hypo	CHG	-0.0312
Gm09	7887159	7887369	Gmdrm	hypo	CHG	-0.5143
Gm09	7893715	7893847	Gmdrm	hypo	CHG	-0.4483
Gm09	7896026	7896178	Gmdrm	hypo	CHG	-0.1671
Gm09	7896728	7897077	Gmdrm	hypo	CHG	-0.3729
Gm09	7898852	7898911	Gmdrm	hypo	CHG	-0.5986
Gm09	7962936	7963113	Gmdrm	hypo	CHG	-0.78
Gm09	7963236	7963314	Gmdrm	hypo	CHG	-0.712
Gm09	7970207	7970440	Gmdrm	hypo	CHG	-0.408
Gm09	7973988	7974070	Gmdrm	hypo	CHG	-0.3363
Gm09	8055030	8055229	Gmdrm	hypo	CHG	-0.4222
Gm09	8088549	8088881	Gmdrm	hypo	CHG	-0.577
Gm09	8125038	8125300	Gmdrm	hypo	CHG	-0.8057
Gm09	8125703	8125809	Gmdrm	hypo	CHG	-0.5817

Gm09	8126050	8126245	Gmdrm	hypo	CHG	-0.5741
Gm09	8130358	8130887	Gmdrm	hypo	CHG	-0.315
Gm09	8131280	8131633	Gmdrm	hypo	CHG	-0.6314
Gm09	8155374	8155849	Gmdrm	hypo	CHG	-0.04
Gm09	8233958	8234218	Gmdrm	hypo	CHG	-0.3527
Gm09	8238138	8238346	Gmdrm	hypo	CHG	-0.685
Gm09	8240403	8240595	Gmdrm	hypo	CHG	-0.04
Gm09	8285397	8285771	Gmdrm	hypo	CHG	-0.1447
Gm09	8332530	8332827	Gmdrm	hypo	CHG	-0.6693
Gm09	8334644	8334730	Gmdrm	hypo	CHG	-0.0513
Gm09	8354051	8354125	Gmdrm	hypo	CHG	-0.3266
Gm09	8361730	8361871	Gmdrm	hypo	CHG	-0.5484
Gm09	8363113	8363298	Gmdrm	hypo	CHG	-0.491
Gm09	8424810	8425279	Gmdrm	hypo	CHG	-0.6239
Gm09	8425840	8426833	Gmdrm	hypo	CHG	-0.6348
Gm09	8436684	8436957	Gmdrm	hypo	CHG	-0.5011
Gm09	8437260	8437486	Gmdrm	hypo	CHG	-0.6467
Gm09	8485830	8486296	Gmdrm	hypo	CHG	-0.6248
Gm09	8486542	8486752	Gmdrm	hypo	CHG	-0.2426
Gm09	8487755	8488140	Gmdrm	hypo	CHG	-0.5586
Gm09	8508486	8508553	Gmdrm	hypo	CHG	-0.8944
Gm09	8509312	8509455	Gmdrm	hypo	CHG	-0.755
Gm09	8512864	8512978	Gmdrm	hypo	CHG	-0.1333
Gm09	8535470	8535530	Gmdrm	hypo	CHG	-0.615
Gm09	8542705	8542791	Gmdrm	hypo	CHG	-0.5813
Gm09	8544472	8544627	Gmdrm	hypo	CHG	-0.305
Gm09	8545699	8546045	Gmdrm	hypo	CHG	-0.325
Gm09	8549372	8549444	Gmdrm	hypo	CHG	-0.374
Gm09	8572254	8572405	Gmdrm	hypo	CHG	-0.0483
Gm09	8675958	8676167	Gmdrm	hypo	CHG	-0.2689
Gm09	8681812	8681892	Gmdrm	hypo	CHG	-0.76
Gm09	8683849	8683883	Gmdrm	hypo	CHG	-0.3317
Gm09	8700595	8700736	Gmdrm	hypo	CHG	-0.0733
Gm09	8758848	8759033	Gmdrm	hypo	CHG	-0.5186
Gm09	8760955	8761182	Gmdrm	hypo	CHG	-0.2314
Gm09	8766340	8766593	Gmdrm	hypo	CHG	-0.44
Gm09	8775121	8775179	Gmdrm	hypo	CHG	-0.747
Gm09	8814599	8814663	Gmdrm	hypo	CHG	-0.585
Gm09	8844320	8844376	Gmdrm	hypo	CHG	-0.6838
Gm09	8844689	8844739	Gmdrm	hypo	CHG	-0.7225
Gm09	8845568	8845730	Gmdrm	hypo	CHG	-0.3789
Gm09	8846129	8846279	Gmdrm	hypo	CHG	-0.4429
Gm09	8853209	8853367	Gmdrm	hypo	CHG	-0.35
Gm09	8861736	8862309	Gmdrm	hypo	CHG	-0.5952
Gm09	8922173	8922416	Gmdrm	hypo	CHG	-0.3463
Gm09	8929348	8929443	Gmdrm	hypo	CHG	-0.3067

Gm09	8931523	8931677	Gmdrm	hypo	CHG	-0.2656
Gm09	8988965	8989242	Gmdrm	hypo	CHG	-0.0525
Gm09	9060759	9060833	Gmdrm	hypo	CHG	-0.57
Gm09	9069212	9069360	Gmdrm	hypo	CHG	-0.036
Gm09	9073619	9073761	Gmdrm	hypo	CHG	-0.0943
Gm09	9073992	9074365	Gmdrm	hypo	CHG	-0.4568
Gm09	9120908	9121040	Gmdrm	hypo	CHG	-0.4117
Gm09	9121547	9121749	Gmdrm	hypo	CHG	-0.4583
Gm09	9129944	9129985	Gmdrm	hypo	CHG	-0.255
Gm09	9137507	9137835	Gmdrm	hypo	CHG	-0.4805
Gm09	9165607	9165693	Gmdrm	hypo	CHG	-0.4767
Gm09	9166023	9166196	Gmdrm	hypo	CHG	-0.555
Gm09	9169853	9170289	Gmdrm	hypo	CHG	-0.5572
Gm09	9172198	9172505	Gmdrm	hypo	CHG	-0.18
Gm09	9172747	9172787	Gmdrm	hypo	CHG	-0.316
Gm09	9179086	9179598	Gmdrm	hypo	CHG	-0.5445
Gm09	9179868	9180009	Gmdrm	hypo	CHG	-0.516
Gm09	9180650	9180890	Gmdrm	hypo	CHG	-0.113
Gm09	9196040	9196235	Gmdrm	hypo	CHG	-0.315
Gm09	9198165	9198370	Gmdrm	hypo	CHG	-0.3321
Gm09	9208891	9209207	Gmdrm	hypo	CHG	-0.8237
Gm09	9209513	9209565	Gmdrm	hypo	CHG	-0.9617
Gm09	9245309	9246226	Gmdrm	hypo	CHG	-0.2666
Gm09	9249484	9249772	Gmdrm	hypo	CHG	-0.6378
Gm09	9250519	9250560	Gmdrm	hypo	CHG	-0.098
Gm09	9266468	9267442	Gmdrm	hypo	CHG	-0.2159
Gm09	9267497	9267788	Gmdrm	hypo	CHG	-0.7088
Gm09	9267914	9267945	Gmdrm	hypo	CHG	-0.1583
Gm09	9273678	9274115	Gmdrm	hypo	CHG	-0.1833
Gm09	9293901	9294012	Gmdrm	hypo	CHG	-0.575
Gm09	9304085	9304131	Gmdrm	hypo	CHG	-0.046
Gm09	9307536	9307918	Gmdrm	hypo	CHG	-0.152
Gm09	9308059	9308251	Gmdrm	hypo	CHG	-0.202
Gm09	9322723	9322854	Gmdrm	hypo	CHG	-0.048
Gm09	9332370	9332565	Gmdrm	hypo	CHG	-0.22
Gm09	9335405	9335439	Gmdrm	hypo	CHG	-0.1434
Gm09	9335768	9336025	Gmdrm	hypo	CHG	-0.131
Gm09	9336145	9336481	Gmdrm	hypo	CHG	-0.2557
Gm09	9338430	9338909	Gmdrm	hypo	CHG	-0.0848
Gm09	9339035	9339349	Gmdrm	hypo	CHG	-0.0925
Gm09	9341661	9342039	Gmdrm	hypo	CHG	-0.3159
Gm09	9342200	9342539	Gmdrm	hypo	CHG	-0.4149
Gm09	9342877	9343349	Gmdrm	hypo	CHG	-0.3464
Gm09	9343477	9344023	Gmdrm	hypo	CHG	-0.2461
Gm09	9344161	9344347	Gmdrm	hypo	CHG	-0.585
Gm09	9344451	9344767	Gmdrm	hypo	CHG	-0.269

Gm09	9345037	9345991	Gmdrm	hypo	CHG	-0.1518
Gm09	9371133	9371309	Gmdrm	hypo	CHG	-0.36
Gm09	9379127	9379354	Gmdrm	hypo	CHG	-0.3218
Gm09	9382244	9383137	Gmdrm	hypo	CHG	-0.4387
Gm09	9454425	9454723	Gmdrm	hypo	CHG	-0.0357
Gm09	9487513	9487626	Gmdrm	hypo	CHG	-0.1271
Gm09	9487799	9488245	Gmdrm	hypo	CHG	-0.2739
Gm09	9490227	9490323	Gmdrm	hypo	CHG	-0.0533
Gm09	9506983	9507087	Gmdrm	hypo	CHG	-0.644
Gm09	9511565	9511683	Gmdrm	hypo	CHG	-0.67
Gm09	9511871	9512084	Gmdrm	hypo	CHG	-0.493
Gm09	9512185	9512311	Gmdrm	hypo	CHG	-0.1726
Gm09	9529635	9529974	Gmdrm	hypo	CHG	-0.0374
Gm09	9562509	9562789	Gmdrm	hypo	CHG	-0.6687
Gm09	9563763	9564107	Gmdrm	hypo	CHG	-0.04
Gm09	9567249	9567397	Gmdrm	hypo	CHG	-0.805
Gm09	9620125	9620399	Gmdrm	hypo	CHG	-0.224
Gm09	9628997	9629211	Gmdrm	hypo	CHG	-0.5814
Gm09	9691854	9691999	Gmdrm	hypo	CHG	-0.6383
Gm09	9699662	9699867	Gmdrm	hypo	CHG	-0.2308
Gm09	9700279	9700393	Gmdrm	hypo	CHG	-0.7188
Gm09	9708912	9709185	Gmdrm	hypo	CHG	-0.7314
Gm09	9714424	9714537	Gmdrm	hypo	CHG	-0.4199
Gm09	9714733	9714887	Gmdrm	hypo	CHG	-0.0327
Gm09	9715787	9716012	Gmdrm	hypo	CHG	-0.6217
Gm09	9718256	9718403	Gmdrm	hypo	CHG	-0.1355
Gm09	9726517	9726968	Gmdrm	hypo	CHG	-0.23
Gm09	9745577	9745896	Gmdrm	hypo	CHG	-0.2046
Gm09	9864201	9864709	Gmdrm	hypo	CHG	-0.3754
Gm09	9895127	9895354	Gmdrm	hypo	CHG	-0.5843
Gm09	9898132	9898535	Gmdrm	hypo	CHG	-0.0537
Gm09	9902795	9903189	Gmdrm	hypo	CHG	-0.4194
Gm09	9904442	9904613	Gmdrm	hypo	CHG	-0.7075
Gm09	9904833	9905049	Gmdrm	hypo	CHG	-0.4488
Gm09	9905173	9905536	Gmdrm	hypo	CHG	-0.7706
Gm09	9905948	9906225	Gmdrm	hypo	CHG	-0.3612
Gm09	9906616	9906949	Gmdrm	hypo	CHG	-0.5442
Gm09	9909202	9909218	Gmdrm	hypo	CHG	-0.722
Gm09	9920256	9920355	Gmdrm	hypo	CHG	-0.585
Gm09	9920643	9920769	Gmdrm	hypo	CHG	-0.405
Gm09	9921118	9921353	Gmdrm	hypo	CHG	-0.6536
Gm09	9929435	9929770	Gmdrm	hypo	CHG	-0.039
Gm09	9933758	9933777	Gmdrm	hypo	CHG	-0.62
Gm09	9935246	9935428	Gmdrm	hypo	CHG	-0.6545
Gm09	9935786	9935897	Gmdrm	hypo	CHG	-0.72
Gm09	9936110	9936197	Gmdrm	hypo	CHG	-0.5223

Gm09	9976767	9977744	Gmdrm	hypo	CHG	-0.27
Gm09	9977927	9978229	Gmdrm	hypo	CHG	-0.139
Gm09	9980611	9980782	Gmdrm	hypo	CHG	-0.56
Gm09	9991706	9991937	Gmdrm	hypo	CHG	-0.422
Gm09	10002417	10003332	Gmdrm	hypo	CHG	-0.186
Gm09	10005461	10005782	Gmdrm	hypo	CHG	-0.3978
Gm09	10005890	10006871	Gmdrm	hypo	CHG	-0.1803
Gm09	10006912	10007722	Gmdrm	hypo	CHG	-0.16
Gm09	10011192	10011695	Gmdrm	hypo	CHG	-0.2268
Gm09	10011869	10012163	Gmdrm	hypo	CHG	-0.27
Gm09	10012419	10012576	Gmdrm	hypo	CHG	-0.2984
Gm09	10012744	10013053	Gmdrm	hypo	CHG	-0.2255
Gm09	10013158	10013329	Gmdrm	hypo	CHG	-0.2966
Gm09	10013930	10014131	Gmdrm	hypo	CHG	-0.2838
Gm09	10026842	10026938	Gmdrm	hypo	CHG	-0.04
Gm09	10027898	10028471	Gmdrm	hypo	CHG	-0.1225
Gm09	10031430	10032055	Gmdrm	hypo	CHG	-0.097
Gm09	10032771	10033735	Gmdrm	hypo	CHG	-0.2347
Gm09	10034909	10035339	Gmdrm	hypo	CHG	-0.3327
Gm09	10045473	10046437	Gmdrm	hypo	CHG	-0.1568
Gm09	10048546	10049513	Gmdrm	hypo	CHG	-0.1455
Gm09	10054905	10055115	Gmdrm	hypo	CHG	-0.035
Gm09	10095235	10095564	Gmdrm	hypo	CHG	-0.332
Gm09	10095671	10096384	Gmdrm	hypo	CHG	-0.2058
Gm09	10100331	10100716	Gmdrm	hypo	CHG	-0.161
Gm09	10101020	10101237	Gmdrm	hypo	CHG	-0.0637
Gm09	10105527	10105987	Gmdrm	hypo	CHG	-0.1096
Gm09	10108668	10109325	Gmdrm	hypo	CHG	-0.1265
Gm09	10109435	10110430	Gmdrm	hypo	CHG	-0.2547
Gm09	10119309	10120227	Gmdrm	hypo	CHG	-0.1672
Gm09	10120311	10121077	Gmdrm	hypo	CHG	-0.1168
Gm09	10122610	10122624	Gmdrm	hypo	CHG	-0.12
Gm09	10126954	10127952	Gmdrm	hypo	CHG	-0.3298
Gm09	10127972	10128303	Gmdrm	hypo	CHG	-0.355
Gm09	10128894	10129857	Gmdrm	hypo	CHG	-0.3192
Gm09	10133217	10133525	Gmdrm	hypo	CHG	-0.1608
Gm09	10133644	10134238	Gmdrm	hypo	CHG	-0.2203
Gm09	10134354	10135096	Gmdrm	hypo	CHG	-0.1992
Gm09	10138650	10139393	Gmdrm	hypo	CHG	-0.0389
Gm09	10161724	10161887	Gmdrm	hypo	CHG	-0.3825
Gm09	10162083	10162991	Gmdrm	hypo	CHG	-0.1727
Gm09	10163160	10163515	Gmdrm	hypo	CHG	-0.1114
Gm09	10173507	10173928	Gmdrm	hypo	CHG	-0.2972
Gm09	10174043	10174775	Gmdrm	hypo	CHG	-0.4035
Gm09	10174877	10175868	Gmdrm	hypo	CHG	-0.3643
Gm09	10184142	10184336	Gmdrm	hypo	CHG	-0.1256

Gm09	10192659	10192771	Gmdrm	hypo	CHG	-0.05
Gm09	10198906	10198971	Gmdrm	hypo	CHG	-0.1007
Gm09	10201758	10202292	Gmdrm	hypo	CHG	-0.3217
Gm09	10223530	10223610	Gmdrm	hypo	CHG	-0.3129
Gm09	10223728	10223846	Gmdrm	hypo	CHG	-0.4122
Gm09	10256460	10256690	Gmdrm	hypo	CHG	-0.6946
Gm09	10290066	10290269	Gmdrm	hypo	CHG	-0.0913
Gm09	10290395	10290501	Gmdrm	hypo	CHG	-0.5666
Gm09	10292576	10292886	Gmdrm	hypo	CHG	-0.1605
Gm09	10293042	10293215	Gmdrm	hypo	CHG	-0.2163
Gm09	10295693	10295888	Gmdrm	hypo	CHG	-0.3571
Gm09	10299146	10299547	Gmdrm	hypo	CHG	-0.4258
Gm09	10347528	10347606	Gmdrm	hypo	CHG	-0.5355
Gm09	10374552	10374683	Gmdrm	hypo	CHG	-0.3075
Gm09	10380343	10380421	Gmdrm	hypo	CHG	-0.6143
Gm09	10388656	10389084	Gmdrm	hypo	CHG	-0.2505
Gm09	10389673	10389776	Gmdrm	hypo	CHG	-0.5557
Gm09	10390156	10390321	Gmdrm	hypo	CHG	-0.3017
Gm09	10391745	10391816	Gmdrm	hypo	CHG	-0.606
Gm09	10396329	10396484	Gmdrm	hypo	CHG	-0.7954
Gm09	10397306	10397354	Gmdrm	hypo	CHG	-0.516
Gm09	10404777	10405753	Gmdrm	hypo	CHG	-0.0518
Gm09	10405977	10406300	Gmdrm	hypo	CHG	-0.3759
Gm09	10416354	10417321	Gmdrm	hypo	CHG	-0.2018
Gm09	10417758	10418205	Gmdrm	hypo	CHG	-0.2056
Gm09	10419339	10420295	Gmdrm	hypo	CHG	-0.2116
Gm09	10420413	10420831	Gmdrm	hypo	CHG	-0.24
Gm09	10420951	10421920	Gmdrm	hypo	CHG	-0.3242
Gm09	10440805	10441029	Gmdrm	hypo	CHG	-0.0842
Gm09	10452216	10452471	Gmdrm	hypo	CHG	-0.2337
Gm09	10458966	10459268	Gmdrm	hypo	CHG	-0.3691
Gm09	10497649	10497805	Gmdrm	hypo	CHG	-0.669
Gm09	10516108	10516276	Gmdrm	hypo	CHG	-0.0316
Gm09	10517169	10517534	Gmdrm	hypo	CHG	-0.2659
Gm09	10532945	10533158	Gmdrm	hypo	CHG	-0.5742
Gm09	10565324	10565500	Gmdrm	hypo	CHG	-0.4914
Gm09	10581115	10581226	Gmdrm	hypo	CHG	-0.5514
Gm09	10587643	10588202	Gmdrm	hypo	CHG	-0.6686
Gm09	10588986	10589327	Gmdrm	hypo	CHG	-0.183
Gm09	10595532	10595742	Gmdrm	hypo	CHG	-0.4322
Gm09	10621372	10621866	Gmdrm	hypo	CHG	-0.1713
Gm09	10774577	10774594	Gmdrm	hypo	CHG	-0.2933
Gm09	10784141	10784245	Gmdrm	hypo	CHG	-0.746
Gm09	10789641	10789743	Gmdrm	hypo	CHG	-0.7286
Gm09	10848389	10848523	Gmdrm	hypo	CHG	-0.0315
Gm09	10894063	10895056	Gmdrm	hypo	CHG	-0.2396

Gm09	10927612	10928492	Gmdrm	hypo	CHG	-0.076
Gm09	10940289	10940420	Gmdrm	hypo	CHG	-0.52
Gm09	10940832	10940918	Gmdrm	hypo	CHG	-0.325
Gm09	10977192	10977517	Gmdrm	hypo	CHG	-0.092
Gm09	11010935	11011088	Gmdrm	hypo	CHG	-0.2109
Gm09	11042335	11042700	Gmdrm	hypo	CHG	-0.162
Gm09	11048956	11049158	Gmdrm	hypo	CHG	-0.3688
Gm09	11087341	11087482	Gmdrm	hypo	CHG	-0.662
Gm09	11155963	11156032	Gmdrm	hypo	CHG	-0.5882
Gm09	11218434	11218685	Gmdrm	hypo	CHG	-0.3211
Gm09	11225282	11225491	Gmdrm	hypo	CHG	-0.586
Gm09	11225733	11226034	Gmdrm	hypo	CHG	-0.7129
Gm09	11226195	11226702	Gmdrm	hypo	CHG	-0.402
Gm09	11227769	11228011	Gmdrm	hypo	CHG	-0.0675
Gm09	11263201	11263343	Gmdrm	hypo	CHG	-0.6559
Gm09	11263705	11263779	Gmdrm	hypo	CHG	-0.0517
Gm09	11267831	11267885	Gmdrm	hypo	CHG	-0.45
Gm09	11322029	11322129	Gmdrm	hypo	CHG	-0.5783
Gm09	11322275	11322335	Gmdrm	hypo	CHG	-0.7884
Gm09	11335601	11335713	Gmdrm	hypo	CHG	-0.3888
Gm09	11352353	11352633	Gmdrm	hypo	CHG	-0.4561
Gm09	11352775	11352912	Gmdrm	hypo	CHG	-0.4254
Gm09	11401176	11401559	Gmdrm	hypo	CHG	-0.2966
Gm09	11413781	11413928	Gmdrm	hypo	CHG	-0.048
Gm09	11442466	11442723	Gmdrm	hypo	CHG	-0.256
Gm09	11449510	11449625	Gmdrm	hypo	CHG	-0.3267
Gm09	11453522	11453920	Gmdrm	hypo	CHG	-0.6679
Gm09	11549342	11549627	Gmdrm	hypo	CHG	-0.3138
Gm09	11550127	11550227	Gmdrm	hypo	CHG	-0.5433
Gm09	11550369	11550440	Gmdrm	hypo	CHG	-0.5767
Gm09	11616363	11616560	Gmdrm	hypo	CHG	-0.0509
Gm09	11624607	11624786	Gmdrm	hypo	CHG	-0.4623
Gm09	11627157	11627307	Gmdrm	hypo	CHG	-0.49
Gm09	11639590	11640046	Gmdrm	hypo	CHG	-0.2364
Gm09	11641031	11641054	Gmdrm	hypo	CHG	-0.79
Gm09	11656960	11657209	Gmdrm	hypo	CHG	-0.6
Gm09	11664523	11664624	Gmdrm	hypo	CHG	-0.375
Gm09	11687422	11687638	Gmdrm	hypo	CHG	-0.3113
Gm09	11688804	11689268	Gmdrm	hypo	CHG	-0.5997
Gm09	11710119	11710247	Gmdrm	hypo	CHG	-0.0317
Gm09	11765336	11765437	Gmdrm	hypo	CHG	-0.058
Gm09	11779536	11779796	Gmdrm	hypo	CHG	-0.5867
Gm09	11779922	11779979	Gmdrm	hypo	CHG	-0.6363
Gm09	11785355	11785813	Gmdrm	hypo	CHG	-0.2444
Gm09	11790344	11790567	Gmdrm	hypo	CHG	-0.8116
Gm09	11791976	11792029	Gmdrm	hypo	CHG	-0.7112

Gm09	11868225	11868341	Gmdrm	hypo	CHG	-0.032
Gm09	11895501	11895649	Gmdrm	hypo	CHG	-0.272
Gm09	11895754	11895829	Gmdrm	hypo	CHG	-0.6825
Gm09	11903141	11903177	Gmdrm	hypo	CHG	-0.1122
Gm09	12031729	12031889	Gmdrm	hypo	CHG	-0.62
Gm09	12048904	12048949	Gmdrm	hypo	CHG	-0.268
Gm09	12055086	12055174	Gmdrm	hypo	CHG	-0.32
Gm09	12061263	12061461	Gmdrm	hypo	CHG	-0.05
Gm09	12065717	12065944	Gmdrm	hypo	CHG	-0.096
Gm09	12066266	12066475	Gmdrm	hypo	CHG	-0.1333
Gm09	12067374	12067432	Gmdrm	hypo	CHG	-0.112
Gm09	12070093	12070110	Gmdrm	hypo	CHG	-0.6384
Gm09	12100314	12100337	Gmdrm	hypo	CHG	-0.2283
Gm09	12101224	12101464	Gmdrm	hypo	CHG	-0.7223
Gm09	12114468	12114595	Gmdrm	hypo	CHG	-0.73
Gm09	12115148	12115311	Gmdrm	hypo	CHG	-0.25
Gm09	12115607	12115788	Gmdrm	hypo	CHG	-0.2262
Gm09	12116139	12116372	Gmdrm	hypo	CHG	-0.2915
Gm09	12116617	12116668	Gmdrm	hypo	CHG	-0.4667
Gm09	12160192	12160470	Gmdrm	hypo	CHG	-0.443
Gm09	12166618	12166735	Gmdrm	hypo	CHG	-0.46
Gm09	12180891	12180923	Gmdrm	hypo	CHG	-0.045
Gm09	12181271	12181430	Gmdrm	hypo	CHG	-0.1711
Gm09	12186320	12186591	Gmdrm	hypo	CHG	-0.7287
Gm09	12197234	12197420	Gmdrm	hypo	CHG	-0.3281
Gm09	12228640	12228801	Gmdrm	hypo	CHG	-0.044
Gm09	12235991	12236490	Gmdrm	hypo	CHG	-0.5464
Gm09	12247639	12248003	Gmdrm	hypo	CHG	-0.3563
Gm09	12279819	12280010	Gmdrm	hypo	CHG	-0.4239
Gm09	12297355	12297441	Gmdrm	hypo	CHG	-0.045
Gm09	12313234	12313471	Gmdrm	hypo	CHG	-0.4742
Gm09	12314592	12314679	Gmdrm	hypo	CHG	-0.7386
Gm09	12314838	12315048	Gmdrm	hypo	CHG	-0.5136
Gm09	12316515	12316664	Gmdrm	hypo	CHG	-0.206
Gm09	12318906	12319509	Gmdrm	hypo	CHG	-0.4936
Gm09	12321024	12321149	Gmdrm	hypo	CHG	-0.4
Gm09	12321482	12321578	Gmdrm	hypo	CHG	-0.3
Gm09	12365583	12365716	Gmdrm	hypo	CHG	-0.4867
Gm09	12367029	12367289	Gmdrm	hypo	CHG	-0.042
Gm09	12367399	12367438	Gmdrm	hypo	CHG	-0.502
Gm09	12367585	12367748	Gmdrm	hypo	CHG	-0.7714
Gm09	12367901	12367967	Gmdrm	hypo	CHG	-0.726
Gm09	12376917	12376945	Gmdrm	hypo	CHG	-0.902
Gm09	12386934	12387102	Gmdrm	hypo	CHG	-0.4866
Gm09	12387741	12387833	Gmdrm	hypo	CHG	-0.3378
Gm09	12397779	12397939	Gmdrm	hypo	CHG	-0.4443

Gm09	12398061	12398094	Gmdrm	hypo	CHG	-0.496
Gm09	12398263	12398417	Gmdrm	hypo	CHG	-0.6857
Gm09	12413320	12413731	Gmdrm	hypo	CHG	-0.1364
Gm09	12469507	12469749	Gmdrm	hypo	CHG	-0.5558
Gm09	12470122	12470267	Gmdrm	hypo	CHG	-0.4033
Gm09	12470538	12470972	Gmdrm	hypo	CHG	-0.3063
Gm09	12474701	12474821	Gmdrm	hypo	CHG	-0.8267
Gm09	12475114	12475226	Gmdrm	hypo	CHG	-0.6233
Gm09	12476178	12476238	Gmdrm	hypo	CHG	-0.35
Gm09	12477067	12477119	Gmdrm	hypo	CHG	-0.532
Gm09	12477267	12477592	Gmdrm	hypo	CHG	-0.46
Gm09	12478891	12478922	Gmdrm	hypo	CHG	-0.6757
Gm09	12483607	12483808	Gmdrm	hypo	CHG	-0.2882
Gm09	12519149	12519301	Gmdrm	hypo	CHG	-0.3794
Gm09	12527306	12527826	Gmdrm	hypo	CHG	-0.3758
Gm09	12543712	12543919	Gmdrm	hypo	CHG	-0.633
Gm09	12552738	12553077	Gmdrm	hypo	CHG	-0.3226
Gm09	12553205	12553364	Gmdrm	hypo	CHG	-0.524
Gm09	12725993	12726155	Gmdrm	hypo	CHG	-0.4145
Gm09	12739749	12739845	Gmdrm	hypo	CHG	-0.4571
Gm09	12748532	12748789	Gmdrm	hypo	CHG	-0.205
Gm09	12752126	12752260	Gmdrm	hypo	CHG	-0.4012
Gm09	12778576	12778662	Gmdrm	hypo	CHG	-0.7657
Gm09	12815228	12815866	Gmdrm	hypo	CHG	-0.2884
Gm09	12819049	12819329	Gmdrm	hypo	CHG	-0.3882
Gm09	12833849	12833962	Gmdrm	hypo	CHG	-0.165
Gm09	12834139	12834347	Gmdrm	hypo	CHG	-0.4436
Gm09	12836313	12837033	Gmdrm	hypo	CHG	-0.4412
Gm09	12837158	12837259	Gmdrm	hypo	CHG	-0.756
Gm09	12837467	12837495	Gmdrm	hypo	CHG	-0.2233
Gm09	12856108	12856167	Gmdrm	hypo	CHG	-0.745
Gm09	12869603	12869711	Gmdrm	hypo	CHG	-0.7989
Gm09	12893324	12893437	Gmdrm	hypo	CHG	-0.406
Gm09	12903584	12904151	Gmdrm	hypo	CHG	-0.2852
Gm09	12965360	12965524	Gmdrm	hypo	CHG	-0.3323
Gm09	12970484	12970624	Gmdrm	hypo	CHG	-0.85
Gm09	12971605	12971911	Gmdrm	hypo	CHG	-0.9311
Gm09	13009280	13009535	Gmdrm	hypo	CHG	-0.7045
Gm09	13014794	13014849	Gmdrm	hypo	CHG	-0.514
Gm09	13149975	13150080	Gmdrm	hypo	CHG	-0.6422
Gm09	13153456	13153674	Gmdrm	hypo	CHG	-0.8964
Gm09	13156882	13156945	Gmdrm	hypo	CHG	-0.42
Gm09	13195162	13195320	Gmdrm	hypo	CHG	-0.4542
Gm09	13205480	13205547	Gmdrm	hypo	CHG	-0.036
Gm09	13536740	13536904	Gmdrm	hypo	CHG	-0.4822
Gm09	13540320	13540747	Gmdrm	hypo	CHG	-0.2053

Gm09	13540852	13541113	Gmdrm	hypo	CHG	-0.1764
Gm09	13541654	13541842	Gmdrm	hypo	CHG	-0.2967
Gm09	13541965	13542219	Gmdrm	hypo	CHG	-0.5143
Gm09	13542462	13543039	Gmdrm	hypo	CHG	-0.497
Gm09	13543148	13543295	Gmdrm	hypo	CHG	-0.3014
Gm09	13556890	13557078	Gmdrm	hypo	CHG	-0.284
Gm09	13691986	13692113	Gmdrm	hypo	CHG	-0.1277
Gm09	13745919	13746234	Gmdrm	hypo	CHG	-0.5867
Gm09	13763073	13763485	Gmdrm	hypo	CHG	-0.55
Gm09	13786776	13787480	Gmdrm	hypo	CHG	-0.1004
Gm09	13833117	13833255	Gmdrm	hypo	CHG	-0.292
Gm09	13833951	13834201	Gmdrm	hypo	CHG	-0.0355
Gm09	13902627	13902964	Gmdrm	hypo	CHG	-0.394
Gm09	13970811	13971045	Gmdrm	hypo	CHG	-0.6475
Gm09	13982325	13982438	Gmdrm	hypo	CHG	-0.4183
Gm09	13984099	13984358	Gmdrm	hypo	CHG	-0.036
Gm09	13987741	13988323	Gmdrm	hypo	CHG	-0.5573
Gm09	13989945	13990026	Gmdrm	hypo	CHG	-0.2833
Gm09	14428693	14428932	Gmdrm	hypo	CHG	-0.3822
Gm09	14526749	14527123	Gmdrm	hypo	CHG	-0.5905
Gm09	14543959	14544323	Gmdrm	hypo	CHG	-0.105
Gm09	14544440	14544547	Gmdrm	hypo	CHG	-0.2137
Gm09	14545766	14545980	Gmdrm	hypo	CHG	-0.04
Gm09	14550458	14550734	Gmdrm	hypo	CHG	-0.1077
Gm09	14551466	14551568	Gmdrm	hypo	CHG	-0.2937
Gm09	14565561	14565757	Gmdrm	hypo	CHG	-0.3759
Gm09	14566561	14566648	Gmdrm	hypo	CHG	-0.4117
Gm09	14567190	14567411	Gmdrm	hypo	CHG	-0.5011
Gm09	14567597	14567738	Gmdrm	hypo	CHG	-0.5837
Gm09	14572527	14572842	Gmdrm	hypo	CHG	-0.4221
Gm09	14576436	14576452	Gmdrm	hypo	CHG	-0.7667
Gm09	14914687	14914883	Gmdrm	hypo	CHG	-0.0655
Gm09	15039094	15039259	Gmdrm	hypo	CHG	-0.7341
Gm09	15039930	15039973	Gmdrm	hypo	CHG	-0.6466
Gm09	15052292	15052442	Gmdrm	hypo	CHG	-0.1911
Gm09	15078665	15078894	Gmdrm	hypo	CHG	-0.286
Gm09	15099386	15099530	Gmdrm	hypo	CHG	-0.113
Gm09	15103416	15103459	Gmdrm	hypo	CHG	-0.1717
Gm09	15158648	15158931	Gmdrm	hypo	CHG	-0.0425
Gm09	15420924	15420998	Gmdrm	hypo	CHG	-0.3388
Gm09	15421749	15421883	Gmdrm	hypo	CHG	-0.3811
Gm09	15422833	15423036	Gmdrm	hypo	CHG	-0.05
Gm09	15423230	15423297	Gmdrm	hypo	CHG	-0.898
Gm09	15433792	15433910	Gmdrm	hypo	CHG	-0.813
Gm09	15438082	15438163	Gmdrm	hypo	CHG	-0.1017
Gm09	15441901	15442019	Gmdrm	hypo	CHG	-0.3987

Gm09	15466654	15467646	Gmdrm	hypo	CHG	-0.2442
Gm09	15681639	15681840	Gmdrm	hypo	CHG	-0.154
Gm09	15711270	15711465	Gmdrm	hypo	CHG	-0.3612
Gm09	15712964	15713277	Gmdrm	hypo	CHG	-0.0411
Gm09	15782861	15783309	Gmdrm	hypo	CHG	-0.32
Gm09	15795365	15795507	Gmdrm	hypo	CHG	-0.243
Gm09	15796878	15797022	Gmdrm	hypo	CHG	-0.4971
Gm09	15944660	15944806	Gmdrm	hypo	CHG	-0.316
Gm09	15983478	15983642	Gmdrm	hypo	CHG	-0.062
Gm09	15988405	15988477	Gmdrm	hypo	CHG	-0.515
Gm09	16513724	16513826	Gmdrm	hypo	CHG	-0.4863
Gm09	16621915	16622113	Gmdrm	hypo	CHG	-0.0287
Gm09	16673128	16673348	Gmdrm	hypo	CHG	-0.754
Gm09	16674895	16675043	Gmdrm	hypo	CHG	-0.03
Gm09	16678759	16678896	Gmdrm	hypo	CHG	-0.6314
Gm09	16680080	16680348	Gmdrm	hypo	CHG	-0.68
Gm09	16680583	16680666	Gmdrm	hypo	CHG	-0.84
Gm09	16693389	16693491	Gmdrm	hypo	CHG	-0.494
Gm09	16801651	16801832	Gmdrm	hypo	CHG	-0.3309
Gm09	16880000	16880072	Gmdrm	hypo	CHG	-0.5228
Gm09	17085116	17086113	Gmdrm	hypo	CHG	-0.1146
Gm09	17215849	17216078	Gmdrm	hypo	CHG	-0.5991
Gm09	17216987	17217134	Gmdrm	hypo	CHG	-0.2433
Gm09	17228795	17228987	Gmdrm	hypo	CHG	-0.5383
Gm09	17377239	17377407	Gmdrm	hypo	CHG	-0.0414
Gm09	17378325	17378486	Gmdrm	hypo	CHG	-0.0667
Gm09	17482407	17482586	Gmdrm	hypo	CHG	-0.4326
Gm09	17521258	17521487	Gmdrm	hypo	CHG	-0.5175
Gm09	17530275	17530514	Gmdrm	hypo	CHG	-0.032
Gm09	17530805	17531070	Gmdrm	hypo	CHG	-0.3825
Gm09	17531294	17531367	Gmdrm	hypo	CHG	-0.456
Gm09	17584586	17584827	Gmdrm	hypo	CHG	-0.032
Gm09	17591195	17591572	Gmdrm	hypo	CHG	-0.1038
Gm09	17624589	17624985	Gmdrm	hypo	CHG	-0.3942
Gm09	17629016	17629329	Gmdrm	hypo	CHG	-0.5882
Gm09	17633497	17633729	Gmdrm	hypo	CHG	-0.3443
Gm09	17636129	17636353	Gmdrm	hypo	CHG	-0.479
Gm09	17648842	17648871	Gmdrm	hypo	CHG	-0.3617
Gm09	17654317	17654634	Gmdrm	hypo	CHG	-0.2725
Gm09	17664323	17664361	Gmdrm	hypo	CHG	-0.3771
Gm09	17665058	17665568	Gmdrm	hypo	CHG	-0.2944
Gm09	17666940	17667257	Gmdrm	hypo	CHG	-0.32
Gm09	17667427	17667589	Gmdrm	hypo	CHG	-0.1029
Gm09	17667727	17667755	Gmdrm	hypo	CHG	-0.4967
Gm09	17668284	17668473	Gmdrm	hypo	CHG	-0.044
Gm09	17670422	17670490	Gmdrm	hypo	CHG	-0.2833

Gm09	17671388	17671538	Gmdrm	hypo	CHG	-0.3
Gm09	17673716	17673762	Gmdrm	hypo	CHG	-0.1
Gm09	17673865	17674552	Gmdrm	hypo	CHG	-0.0792
Gm09	17675023	17675310	Gmdrm	hypo	CHG	-0.0618
Gm09	17677112	17677266	Gmdrm	hypo	CHG	-0.1984
Gm09	17677752	17678206	Gmdrm	hypo	CHG	-0.1448
Gm09	17680950	17681237	Gmdrm	hypo	CHG	-0.1077
Gm09	17681608	17681646	Gmdrm	hypo	CHG	-0.3267
Gm09	17682367	17682854	Gmdrm	hypo	CHG	-0.2922
Gm09	17691729	17692134	Gmdrm	hypo	CHG	-0.2181
Gm09	17703614	17703687	Gmdrm	hypo	CHG	-0.262
Gm09	17705497	17705815	Gmdrm	hypo	CHG	-0.1984
Gm09	17709169	17709272	Gmdrm	hypo	CHG	-0.378
Gm09	17710700	17710738	Gmdrm	hypo	CHG	-0.34
Gm09	17711596	17711852	Gmdrm	hypo	CHG	-0.3325
Gm09	17983278	17983316	Gmdrm	hypo	CHG	-0.315
Gm09	17983423	17983554	Gmdrm	hypo	CHG	-0.2449
Gm09	17983841	17984294	Gmdrm	hypo	CHG	-0.2645
Gm09	17988274	17988544	Gmdrm	hypo	CHG	-0.4513
Gm09	17994497	17994951	Gmdrm	hypo	CHG	-0.3937
Gm09	18002762	18003061	Gmdrm	hypo	CHG	-0.2926
Gm09	18003823	18004049	Gmdrm	hypo	CHG	-0.2336
Gm09	18006025	18006111	Gmdrm	hypo	CHG	-0.18
Gm09	18009498	18009919	Gmdrm	hypo	CHG	-0.1066
Gm09	18010367	18010404	Gmdrm	hypo	CHG	-0.166
Gm09	18048600	18048822	Gmdrm	hypo	CHG	-0.755
Gm09	18048924	18049160	Gmdrm	hypo	CHG	-0.7646
Gm09	18052832	18053625	Gmdrm	hypo	CHG	-0.4094
Gm09	18053853	18054092	Gmdrm	hypo	CHG	-0.2812
Gm09	18056017	18056152	Gmdrm	hypo	CHG	-0.45
Gm09	18056265	18056495	Gmdrm	hypo	CHG	-0.439
Gm09	18059934	18060011	Gmdrm	hypo	CHG	-0.2472
Gm09	18067245	18067410	Gmdrm	hypo	CHG	-0.3921
Gm09	18075691	18075778	Gmdrm	hypo	CHG	-0.3843
Gm09	18091100	18091184	Gmdrm	hypo	CHG	-0.8456
Gm09	18091985	18092023	Gmdrm	hypo	CHG	-0.6083
Gm09	18092539	18092610	Gmdrm	hypo	CHG	-0.6683
Gm09	18094613	18094911	Gmdrm	hypo	CHG	-0.187
Gm09	18113253	18113420	Gmdrm	hypo	CHG	-0.0543
Gm09	18113673	18114353	Gmdrm	hypo	CHG	-0.2394
Gm09	18140133	18140460	Gmdrm	hypo	CHG	-0.5686
Gm09	18140793	18140911	Gmdrm	hypo	CHG	-0.152
Gm09	18142891	18143250	Gmdrm	hypo	CHG	-0.0425
Gm09	18143407	18144406	Gmdrm	hypo	CHG	-0.279
Gm09	18151643	18152047	Gmdrm	hypo	CHG	-0.4785
Gm09	18153837	18153910	Gmdrm	hypo	CHG	-0.644

Gm09	18205590	18205946	Gmdrm	hypo	CHG	-0.2933
Gm09	18206349	18206369	Gmdrm	hypo	CHG	-0.8226
Gm09	18206498	18206642	Gmdrm	hypo	CHG	-0.44
Gm09	18209402	18209696	Gmdrm	hypo	CHG	-0.2417
Gm09	18213427	18213500	Gmdrm	hypo	CHG	-0.082
Gm09	18214253	18214349	Gmdrm	hypo	CHG	-0.1567
Gm09	18214461	18214873	Gmdrm	hypo	CHG	-0.1079
Gm09	18216349	18216866	Gmdrm	hypo	CHG	-0.3144
Gm09	18240294	18240437	Gmdrm	hypo	CHG	-0.265
Gm09	18247288	18247323	Gmdrm	hypo	CHG	-0.6267
Gm09	18305834	18306034	Gmdrm	hypo	CHG	-0.268
Gm09	18428461	18428557	Gmdrm	hypo	CHG	-0.6466
Gm09	18444647	18444828	Gmdrm	hypo	CHG	-0.63
Gm09	18445119	18445207	Gmdrm	hypo	CHG	-0.182
Gm09	18450128	18450414	Gmdrm	hypo	CHG	-0.653
Gm09	18452609	18452780	Gmdrm	hypo	CHG	-0.6655
Gm09	18465759	18466199	Gmdrm	hypo	CHG	-0.4773
Gm09	18466337	18466538	Gmdrm	hypo	CHG	-0.0425
Gm09	18479395	18479584	Gmdrm	hypo	CHG	-0.6892
Gm09	18482116	18482229	Gmdrm	hypo	CHG	-0.318
Gm09	18482649	18482808	Gmdrm	hypo	CHG	-0.4175
Gm09	18482922	18483052	Gmdrm	hypo	CHG	-0.3649
Gm09	18634246	18634330	Gmdrm	hypo	CHG	-0.046
Gm09	18635655	18635913	Gmdrm	hypo	CHG	-0.8761
Gm09	18636046	18636173	Gmdrm	hypo	CHG	-0.6434
Gm09	18636291	18636330	Gmdrm	hypo	CHG	-0.7316
Gm09	18653518	18653834	Gmdrm	hypo	CHG	-0.1333
Gm09	18672532	18672822	Gmdrm	hypo	CHG	-0.1545
Gm09	18675638	18675800	Gmdrm	hypo	CHG	-0.1993
Gm09	18694234	18694311	Gmdrm	hypo	CHG	-0.5383
Gm09	18709284	18709584	Gmdrm	hypo	CHG	-0.6964
Gm09	18713200	18713242	Gmdrm	hypo	CHG	-0.0458
Gm09	18716713	18716811	Gmdrm	hypo	CHG	-0.281
Gm09	18750659	18750720	Gmdrm	hypo	CHG	-0.6433
Gm09	18767220	18767289	Gmdrm	hypo	CHG	-0.46
Gm09	18774664	18774707	Gmdrm	hypo	CHG	-0.15
Gm09	18789521	18790098	Gmdrm	hypo	CHG	-0.2017
Gm09	18792928	18793168	Gmdrm	hypo	CHG	-0.2855
Gm09	18800767	18801290	Gmdrm	hypo	CHG	-0.3737
Gm09	18835488	18835946	Gmdrm	hypo	CHG	-0.5912
Gm09	18836060	18836202	Gmdrm	hypo	CHG	-0.81
Gm09	18836573	18836826	Gmdrm	hypo	CHG	-0.7041
Gm09	18837020	18837093	Gmdrm	hypo	CHG	-0.856
Gm09	18851836	18851964	Gmdrm	hypo	CHG	-0.042
Gm09	18876323	18876537	Gmdrm	hypo	CHG	-0.36
Gm09	18879119	18879242	Gmdrm	hypo	CHG	-0.7357

Gm09	18880015	18880299	Gmdrm	hypo	CHG	-0.3609
Gm09	18898855	18898993	Gmdrm	hypo	CHG	-0.7086
Gm09	18902649	18902810	Gmdrm	hypo	CHG	-0.3025
Gm09	18969704	18969859	Gmdrm	hypo	CHG	-0.3531
Gm09	18970479	18970700	Gmdrm	hypo	CHG	-0.4665
Gm09	18970898	18970979	Gmdrm	hypo	CHG	-0.3501
Gm09	18972529	18972588	Gmdrm	hypo	CHG	-0.375
Gm09	18972916	18973153	Gmdrm	hypo	CHG	-0.2546
Gm09	18973264	18973352	Gmdrm	hypo	CHG	-0.154
Gm09	18974631	18974684	Gmdrm	hypo	CHG	-0.33
Gm09	18975471	18975882	Gmdrm	hypo	CHG	-0.3374
Gm09	18975991	18976868	Gmdrm	hypo	CHG	-0.3615
Gm09	18977030	18977071	Gmdrm	hypo	CHG	-0.568
Gm09	18977226	18977453	Gmdrm	hypo	CHG	-0.443
Gm09	18978145	18978467	Gmdrm	hypo	CHG	-0.43
Gm09	18978614	18978686	Gmdrm	hypo	CHG	-0.2167
Gm09	18980228	18980515	Gmdrm	hypo	CHG	-0.3577
Gm09	18980765	18980950	Gmdrm	hypo	CHG	-0.3844
Gm09	18981711	18981810	Gmdrm	hypo	CHG	-0.47
Gm09	18983727	18983820	Gmdrm	hypo	CHG	-0.234
Gm09	18984286	18984422	Gmdrm	hypo	CHG	-0.19
Gm09	18985300	18985790	Gmdrm	hypo	CHG	-0.1788
Gm09	19027406	19027835	Gmdrm	hypo	CHG	-0.4061
Gm09	19072865	19073024	Gmdrm	hypo	CHG	-0.6442
Gm09	19118614	19118746	Gmdrm	hypo	CHG	-0.5284
Gm09	19120908	19121162	Gmdrm	hypo	CHG	-0.2925
Gm09	19121406	19121799	Gmdrm	hypo	CHG	-0.3636
Gm09	19121925	19122193	Gmdrm	hypo	CHG	-0.1673
Gm09	19161571	19162161	Gmdrm	hypo	CHG	-0.3152
Gm09	19179995	19180071	Gmdrm	hypo	CHG	-0.4767
Gm09	19201458	19201583	Gmdrm	hypo	CHG	-0.1073
Gm09	19223496	19223814	Gmdrm	hypo	CHG	-0.3255
Gm09	19348690	19348927	Gmdrm	hypo	CHG	-0.49
Gm09	19446029	19446699	Gmdrm	hypo	CHG	-0.1463
Gm09	19453486	19453659	Gmdrm	hypo	CHG	-0.5558
Gm09	19459221	19459419	Gmdrm	hypo	CHG	-0.2425
Gm09	19469648	19470180	Gmdrm	hypo	CHG	-0.3712
Gm09	19486040	19486192	Gmdrm	hypo	CHG	-0.5313
Gm09	19506900	19507027	Gmdrm	hypo	CHG	-0.3067
Gm09	19598042	19598240	Gmdrm	hypo	CHG	-0.2561
Gm09	19601767	19601893	Gmdrm	hypo	CHG	-0.3886
Gm09	19609544	19609651	Gmdrm	hypo	CHG	-0.65
Gm09	19610272	19610393	Gmdrm	hypo	CHG	-0.8566
Gm09	19616328	19616372	Gmdrm	hypo	CHG	-0.7817
Gm09	19616947	19617070	Gmdrm	hypo	CHG	-0.4787
Gm09	19618550	19618679	Gmdrm	hypo	CHG	-0.5043

Gm09	19618863	19619022	Gmdrm	hypo	CHG	-0.7514
Gm09	19643024	19643046	Gmdrm	hypo	CHG	-0.202
Gm09	19705471	19705595	Gmdrm	hypo	CHG	-0.4828
Gm09	19706516	19706618	Gmdrm	hypo	CHG	-0.295
Gm09	19712190	19712326	Gmdrm	hypo	CHG	-0.0437
Gm09	19714889	19715869	Gmdrm	hypo	CHG	-0.0993
Gm09	19730695	19730765	Gmdrm	hypo	CHG	-0.4762
Gm09	19730888	19730960	Gmdrm	hypo	CHG	-0.3883
Gm09	19734720	19734925	Gmdrm	hypo	CHG	-0.0474
Gm09	19737203	19738193	Gmdrm	hypo	CHG	-0.1566
Gm09	19739303	19739400	Gmdrm	hypo	CHG	-0.378
Gm09	19790000	19790097	Gmdrm	hypo	CHG	-0.058
Gm09	19795607	19795807	Gmdrm	hypo	CHG	-0.1766
Gm09	19795945	19796318	Gmdrm	hypo	CHG	-0.0378
Gm09	19796643	19797312	Gmdrm	hypo	CHG	-0.2287
Gm09	19798143	19798548	Gmdrm	hypo	CHG	-0.3157
Gm09	19804240	19804371	Gmdrm	hypo	CHG	-0.175
Gm09	19804927	19805091	Gmdrm	hypo	CHG	-0.215
Gm09	19815264	19815335	Gmdrm	hypo	CHG	-0.1386
Gm09	19815458	19815610	Gmdrm	hypo	CHG	-0.3071
Gm09	19829244	19829442	Gmdrm	hypo	CHG	-0.2477
Gm09	19830210	19830964	Gmdrm	hypo	CHG	-0.1826
Gm09	19831874	19832096	Gmdrm	hypo	CHG	-0.2882
Gm09	19846045	19846115	Gmdrm	hypo	CHG	-0.177
Gm09	19855395	19855589	Gmdrm	hypo	CHG	-0.2456
Gm09	19857890	19858267	Gmdrm	hypo	CHG	-0.1595
Gm09	19878197	19878428	Gmdrm	hypo	CHG	-0.04
Gm09	19879043	19879216	Gmdrm	hypo	CHG	-0.18
Gm09	19879972	19880096	Gmdrm	hypo	CHG	-0.3729
Gm09	19880861	19881190	Gmdrm	hypo	CHG	-0.2437
Gm09	19881294	19881593	Gmdrm	hypo	CHG	-0.2005
Gm09	19911012	19911493	Gmdrm	hypo	CHG	-0.4013
Gm09	19912064	19912469	Gmdrm	hypo	CHG	-0.2654
Gm09	19918909	19919073	Gmdrm	hypo	CHG	-0.1767
Gm09	19940384	19940454	Gmdrm	hypo	CHG	-0.375
Gm09	19947214	19947409	Gmdrm	hypo	CHG	-0.3829
Gm09	19958892	19959856	Gmdrm	hypo	CHG	-0.1302
Gm09	19960093	19960293	Gmdrm	hypo	CHG	-0.431
Gm09	19964356	19964491	Gmdrm	hypo	CHG	-0.3371
Gm09	19989304	19989375	Gmdrm	hypo	CHG	-0.2362
Gm09	19989498	19989570	Gmdrm	hypo	CHG	-0.4933
Gm09	20015503	20015573	Gmdrm	hypo	CHG	-0.3033
Gm09	20015727	20016042	Gmdrm	hypo	CHG	-0.3861
Gm09	20020584	20020650	Gmdrm	hypo	CHG	-0.3767
Gm09	20032210	20032255	Gmdrm	hypo	CHG	-0.4867
Gm09	20032395	20032680	Gmdrm	hypo	CHG	-0.555

Gm09	20043355	20043629	Gmdrm	hypo	CHG	-0.2347
Gm09	20048307	20048398	Gmdrm	hypo	CHG	-0.5667
Gm09	20123962	20124147	Gmdrm	hypo	CHG	-0.1843
Gm09	20125718	20126041	Gmdrm	hypo	CHG	-0.3367
Gm09	20142434	20142539	Gmdrm	hypo	CHG	-0.4082
Gm09	20220258	20220441	Gmdrm	hypo	CHG	-0.5345
Gm09	20220916	20221002	Gmdrm	hypo	CHG	-0.5867
Gm09	20255394	20255946	Gmdrm	hypo	CHG	-0.2586
Gm09	20267622	20268478	Gmdrm	hypo	CHG	-0.3229
Gm09	20328247	20328394	Gmdrm	hypo	CHG	-0.5138
Gm09	20348094	20348143	Gmdrm	hypo	CHG	-0.29
Gm09	20426454	20426607	Gmdrm	hypo	CHG	-0.3855
Gm09	20539505	20539609	Gmdrm	hypo	CHG	-0.61
Gm09	20545064	20545184	Gmdrm	hypo	CHG	-0.5583
Gm09	20545324	20545475	Gmdrm	hypo	CHG	-0.6509
Gm09	20578777	20579016	Gmdrm	hypo	CHG	-0.269
Gm09	20579170	20579275	Gmdrm	hypo	CHG	-0.6934
Gm09	20582030	20582282	Gmdrm	hypo	CHG	-0.7
Gm09	20582406	20582559	Gmdrm	hypo	CHG	-0.513
Gm09	20593159	20593167	Gmdrm	hypo	CHG	-0.1083
Gm09	20619648	20619910	Gmdrm	hypo	CHG	-0.806
Gm09	20620432	20620759	Gmdrm	hypo	CHG	-0.9194
Gm09	20642360	20642457	Gmdrm	hypo	CHG	-0.2887
Gm09	20642759	20642907	Gmdrm	hypo	CHG	-0.7037
Gm09	20647048	20647155	Gmdrm	hypo	CHG	-0.19
Gm09	20649318	20649578	Gmdrm	hypo	CHG	-0.8044
Gm09	20649712	20649913	Gmdrm	hypo	CHG	-0.79
Gm09	20653421	20653577	Gmdrm	hypo	CHG	-0.7533
Gm09	20678426	20678503	Gmdrm	hypo	CHG	-0.3587
Gm09	20678706	20678794	Gmdrm	hypo	CHG	-0.4871
Gm09	20685928	20686445	Gmdrm	hypo	CHG	-0.1806
Gm09	20701906	20701975	Gmdrm	hypo	CHG	-0.585
Gm09	20729039	20729180	Gmdrm	hypo	CHG	-0.2823
Gm09	20828293	20828420	Gmdrm	hypo	CHG	-0.482
Gm09	20856634	20857491	Gmdrm	hypo	CHG	-0.1962
Gm09	21005787	21005840	Gmdrm	hypo	CHG	-0.662
Gm09	21026701	21027027	Gmdrm	hypo	CHG	-0.1609
Gm09	21028527	21028714	Gmdrm	hypo	CHG	-0.4637
Gm09	21125585	21125638	Gmdrm	hypo	CHG	-0.48
Gm09	21126812	21127077	Gmdrm	hypo	CHG	-0.0228
Gm09	21129062	21129270	Gmdrm	hypo	CHG	-0.96
Gm09	21129445	21129551	Gmdrm	hypo	CHG	-0.925
Gm09	21129667	21129816	Gmdrm	hypo	CHG	-0.4775
Gm09	21130087	21130273	Gmdrm	hypo	CHG	-0.3628
Gm09	21131303	21131541	Gmdrm	hypo	CHG	-0.0443
Gm09	21134717	21134929	Gmdrm	hypo	CHG	-0.714

Gm09	21168530	21168740	Gmdrm	hypo	CHG	-0.7181
Gm09	21173826	21174027	Gmdrm	hypo	CHG	-0.664
Gm09	21179689	21179703	Gmdrm	hypo	CHG	-0.4733
Gm09	21179996	21180195	Gmdrm	hypo	CHG	-0.3791
Gm09	21180296	21180586	Gmdrm	hypo	CHG	-0.371
Gm09	21182170	21182236	Gmdrm	hypo	CHG	-0.074
Gm09	21188122	21188168	Gmdrm	hypo	CHG	-0.1986
Gm09	21190972	21191032	Gmdrm	hypo	CHG	-0.7944
Gm09	21210266	21210519	Gmdrm	hypo	CHG	-0.143
Gm09	21225639	21225807	Gmdrm	hypo	CHG	-0.31
Gm09	21227830	21227898	Gmdrm	hypo	CHG	-0.3033
Gm09	21228213	21228396	Gmdrm	hypo	CHG	-0.55
Gm09	21242779	21243217	Gmdrm	hypo	CHG	-0.1577
Gm09	21250450	21250757	Gmdrm	hypo	CHG	-0.1742
Gm09	21251321	21251470	Gmdrm	hypo	CHG	-0.5
Gm09	21252914	21253026	Gmdrm	hypo	CHG	-0.4333
Gm09	21264511	21264817	Gmdrm	hypo	CHG	-0.7136
Gm09	21277669	21277841	Gmdrm	hypo	CHG	-0.3691
Gm09	21311847	21311976	Gmdrm	hypo	CHG	-0.884
Gm09	21312122	21312247	Gmdrm	hypo	CHG	-0.6544
Gm09	21387099	21387241	Gmdrm	hypo	CHG	-0.5538
Gm09	21408800	21408902	Gmdrm	hypo	CHG	-0.3267
Gm09	21416331	21416611	Gmdrm	hypo	CHG	-0.201
Gm09	21416718	21416755	Gmdrm	hypo	CHG	-0.916
Gm09	21416888	21417023	Gmdrm	hypo	CHG	-0.1
Gm09	21444596	21445431	Gmdrm	hypo	CHG	-0.1279
Gm09	21445560	21446022	Gmdrm	hypo	CHG	-0.0893
Gm09	21446173	21446429	Gmdrm	hypo	CHG	-0.3458
Gm09	21446772	21447053	Gmdrm	hypo	CHG	-0.564
Gm09	21470219	21470302	Gmdrm	hypo	CHG	-0.4917
Gm09	21514101	21514149	Gmdrm	hypo	CHG	-0.38
Gm09	21514608	21514631	Gmdrm	hypo	CHG	-0.398
Gm09	21515066	21515398	Gmdrm	hypo	CHG	-0.5672
Gm09	21539495	21539647	Gmdrm	hypo	CHG	-0.4856
Gm09	21565394	21565624	Gmdrm	hypo	CHG	-0.3492
Gm09	21569636	21569767	Gmdrm	hypo	CHG	-0.5149
Gm09	21627929	21628070	Gmdrm	hypo	CHG	-0.7283
Gm09	21638048	21638122	Gmdrm	hypo	CHG	-0.4888
Gm09	21685310	21685898	Gmdrm	hypo	CHG	-0.6362
Gm09	21687028	21687136	Gmdrm	hypo	CHG	-0.578
Gm09	21705465	21705684	Gmdrm	hypo	CHG	-0.03
Gm09	21714222	21714377	Gmdrm	hypo	CHG	-0.5237
Gm09	21714648	21714835	Gmdrm	hypo	CHG	-0.355
Gm09	21720445	21720635	Gmdrm	hypo	CHG	-0.4545
Gm09	21723143	21723339	Gmdrm	hypo	CHG	-0.5989
Gm09	21726705	21726887	Gmdrm	hypo	CHG	-0.3499

Gm09	21827786	21827962	Gmdrm	hypo	CHG	-0.095
Gm09	22204002	22204153	Gmdrm	hypo	CHG	-0.05
Gm09	22528183	22528270	Gmdrm	hypo	CHG	-0.2971
Gm09	22532511	22532728	Gmdrm	hypo	CHG	-0.5163
Gm09	22533018	22533342	Gmdrm	hypo	CHG	-0.3106
Gm09	22534981	22535391	Gmdrm	hypo	CHG	-0.5894
Gm09	22536514	22536906	Gmdrm	hypo	CHG	-0.5094
Gm09	22541335	22541463	Gmdrm	hypo	CHG	-0.756
Gm09	22559086	22559293	Gmdrm	hypo	CHG	-0.0372
Gm09	22662439	22662583	Gmdrm	hypo	CHG	-0.06
Gm09	23427517	23427772	Gmdrm	hypo	CHG	-0.5511
Gm09	23430786	23430922	Gmdrm	hypo	CHG	-0.2278
Gm09	25464389	25464403	Gmdrm	hypo	CHG	-0.716
Gm09	25464961	25464981	Gmdrm	hypo	CHG	-0.6384
Gm09	25494953	25495013	Gmdrm	hypo	CHG	-0.3284
Gm09	25497578	25497753	Gmdrm	hypo	CHG	-0.51
Gm09	25497862	25497956	Gmdrm	hypo	CHG	-0.305
Gm09	25501767	25501880	Gmdrm	hypo	CHG	-0.4771
Gm09	25503855	25503948	Gmdrm	hypo	CHG	-0.484
Gm09	25546021	25546133	Gmdrm	hypo	CHG	-0.042
Gm09	25616293	25616632	Gmdrm	hypo	CHG	-0.7731
Gm09	25616774	25616941	Gmdrm	hypo	CHG	-0.5258
Gm09	25638104	25638200	Gmdrm	hypo	CHG	-0.5972
Gm09	25646460	25646567	Gmdrm	hypo	CHG	-0.696
Gm09	25646701	25646969	Gmdrm	hypo	CHG	-0.6925
Gm09	25667355	25667647	Gmdrm	hypo	CHG	-0.6172
Gm09	25671820	25671969	Gmdrm	hypo	CHG	-0.4967
Gm09	25681527	25681962	Gmdrm	hypo	CHG	-0.2558
Gm09	25682271	25682459	Gmdrm	hypo	CHG	-0.35
Gm09	25724659	25724762	Gmdrm	hypo	CHG	-0.55
Gm09	25753887	25754101	Gmdrm	hypo	CHG	-0.2964
Gm09	25758625	25758714	Gmdrm	hypo	CHG	-0.26
Gm09	25935030	25935159	Gmdrm	hypo	CHG	-0.9067
Gm09	25937914	25937974	Gmdrm	hypo	CHG	-0.6233
Gm09	25947173	25947204	Gmdrm	hypo	CHG	-0.1517
Gm09	26028045	26028129	Gmdrm	hypo	CHG	-0.2757
Gm09	26051645	26051752	Gmdrm	hypo	CHG	-0.3386
Gm09	26051912	26052120	Gmdrm	hypo	CHG	-0.55
Gm09	26057919	26058030	Gmdrm	hypo	CHG	-0.6433
Gm09	26066332	26066892	Gmdrm	hypo	CHG	-0.4228
Gm09	26067933	26068073	Gmdrm	hypo	CHG	-0.1022
Gm09	26069881	26070409	Gmdrm	hypo	CHG	-0.0773
Gm09	26073315	26073535	Gmdrm	hypo	CHG	-0.0636
Gm09	26084539	26084912	Gmdrm	hypo	CHG	-0.1737
Gm09	26111220	26111554	Gmdrm	hypo	CHG	-0.1554
Gm09	26168498	26169153	Gmdrm	hypo	CHG	-0.3281

Gm09	26173764	26174052	Gmdrm	hypo	CHG	-0.319
Gm09	27566205	27566290	Gmdrm	hypo	CHG	-0.392
Gm09	27566415	27566488	Gmdrm	hypo	CHG	-0.426
Gm09	27566870	27566964	Gmdrm	hypo	CHG	-0.4843
Gm09	27572638	27573006	Gmdrm	hypo	CHG	-0.37
Gm09	27831995	27832145	Gmdrm	hypo	CHG	-0.3275
Gm09	27924451	27924556	Gmdrm	hypo	CHG	-0.7143
Gm09	27928317	27928441	Gmdrm	hypo	CHG	-0.6084
Gm09	27929500	27929549	Gmdrm	hypo	CHG	-0.9087
Gm09	27932393	27932659	Gmdrm	hypo	CHG	-0.0986
Gm09	27942491	27942763	Gmdrm	hypo	CHG	-0.4033
Gm09	27958677	27958769	Gmdrm	hypo	CHG	-0.1286
Gm09	27964188	27964365	Gmdrm	hypo	CHG	-0.0618
Gm09	28148246	28148438	Gmdrm	hypo	CHG	-0.1257
Gm09	28223922	28224325	Gmdrm	hypo	CHG	-0.3476
Gm09	28226666	28226851	Gmdrm	hypo	CHG	-0.6522
Gm09	28241768	28242102	Gmdrm	hypo	CHG	-0.3143
Gm09	28243709	28243964	Gmdrm	hypo	CHG	-0.4086
Gm09	28291202	28291310	Gmdrm	hypo	CHG	-0.6283
Gm09	28292594	28292728	Gmdrm	hypo	CHG	-0.03
Gm09	28333217	28333350	Gmdrm	hypo	CHG	-0.1584
Gm09	28476798	28476978	Gmdrm	hypo	CHG	-0.37
Gm09	28504156	28504195	Gmdrm	hypo	CHG	-0.525
Gm09	28509590	28509798	Gmdrm	hypo	CHG	-0.682
Gm09	28560032	28560124	Gmdrm	hypo	CHG	-0.036
Gm09	28561575	28561687	Gmdrm	hypo	CHG	-0.524
Gm09	28672837	28673125	Gmdrm	hypo	CHG	-0.0534
Gm09	28813869	28814163	Gmdrm	hypo	CHG	-0.602
Gm09	29105463	29106028	Gmdrm	hypo	CHG	-0.197
Gm09	29141993	29142203	Gmdrm	hypo	CHG	-0.7343
Gm09	29148633	29148678	Gmdrm	hypo	CHG	-0.43
Gm09	29149184	29149334	Gmdrm	hypo	CHG	-0.292
Gm09	29150779	29151040	Gmdrm	hypo	CHG	-0.508
Gm09	29155096	29155172	Gmdrm	hypo	CHG	-0.65
Gm09	29226536	29226726	Gmdrm	hypo	CHG	-0.36
Gm09	29267759	29268235	Gmdrm	hypo	CHG	-0.4929
Gm09	29268570	29269082	Gmdrm	hypo	CHG	-0.3733
Gm09	29269576	29269987	Gmdrm	hypo	CHG	-0.4325
Gm09	29270101	29270653	Gmdrm	hypo	CHG	-0.6975
Gm09	29272814	29272981	Gmdrm	hypo	CHG	-0.3914
Gm09	29273130	29273370	Gmdrm	hypo	CHG	-0.7829
Gm09	29273489	29273619	Gmdrm	hypo	CHG	-0.7157
Gm09	29276091	29276238	Gmdrm	hypo	CHG	-0.3508
Gm09	29276519	29276705	Gmdrm	hypo	CHG	-0.0882
Gm09	29279517	29279718	Gmdrm	hypo	CHG	-0.505
Gm09	29293713	29294428	Gmdrm	hypo	CHG	-0.2487

Gm09	29298088	29298342	Gmdrm	hypo	CHG	-0.3422
Gm09	29299427	29299569	Gmdrm	hypo	CHG	-0.7905
Gm09	29329513	29329802	Gmdrm	hypo	CHG	-0.554
Gm09	29354233	29354502	Gmdrm	hypo	CHG	-0.439
Gm09	29356628	29356708	Gmdrm	hypo	CHG	-0.4533
Gm09	29360651	29361093	Gmdrm	hypo	CHG	-0.2031
Gm09	29371819	29372128	Gmdrm	hypo	CHG	-0.31
Gm09	29435156	29435201	Gmdrm	hypo	CHG	-0.3286
Gm09	29449335	29449429	Gmdrm	hypo	CHG	-0.402
Gm09	29451179	29451229	Gmdrm	hypo	CHG	-0.47
Gm09	29451452	29451973	Gmdrm	hypo	CHG	-0.66
Gm09	29455936	29456150	Gmdrm	hypo	CHG	-0.6414
Gm09	29459338	29459663	Gmdrm	hypo	CHG	-0.4794
Gm09	29460207	29460276	Gmdrm	hypo	CHG	-0.0325
Gm09	29466835	29467205	Gmdrm	hypo	CHG	-0.037
Gm09	29473303	29473357	Gmdrm	hypo	CHG	-0.344
Gm09	29476405	29476424	Gmdrm	hypo	CHG	-0.6934
Gm09	29476643	29476756	Gmdrm	hypo	CHG	-0.785
Gm09	29481876	29482207	Gmdrm	hypo	CHG	-0.0329
Gm09	29509167	29509243	Gmdrm	hypo	CHG	-0.665
Gm09	29510249	29510353	Gmdrm	hypo	CHG	-0.0333
Gm09	29512376	29512484	Gmdrm	hypo	CHG	-0.6766
Gm09	29514023	29514091	Gmdrm	hypo	CHG	-0.3583
Gm09	29519843	29519896	Gmdrm	hypo	CHG	-0.8443
Gm09	29551915	29552120	Gmdrm	hypo	CHG	-0.15
Gm09	29563280	29563390	Gmdrm	hypo	CHG	-0.5983
Gm09	29566840	29567837	Gmdrm	hypo	CHG	-0.16
Gm09	29572213	29572622	Gmdrm	hypo	CHG	-0.6386
Gm09	29577976	29578129	Gmdrm	hypo	CHG	-0.6643
Gm09	29579034	29579153	Gmdrm	hypo	CHG	-0.3
Gm09	29585173	29585553	Gmdrm	hypo	CHG	-0.8037
Gm09	29670083	29670135	Gmdrm	hypo	CHG	-0.26
Gm09	29684928	29685311	Gmdrm	hypo	CHG	-0.2832
Gm09	29685417	29685588	Gmdrm	hypo	CHG	-0.2938
Gm09	29685712	29686074	Gmdrm	hypo	CHG	-0.5637
Gm09	29686692	29686767	Gmdrm	hypo	CHG	-0.14
Gm09	29861387	29861480	Gmdrm	hypo	CHG	-0.4317
Gm09	29873196	29873380	Gmdrm	hypo	CHG	-0.3672
Gm09	29913873	29913939	Gmdrm	hypo	CHG	-0.238
Gm09	29956530	29956593	Gmdrm	hypo	CHG	-0.0415
Gm09	29957104	29957261	Gmdrm	hypo	CHG	-0.0572
Gm09	30008716	30009005	Gmdrm	hypo	CHG	-0.693
Gm09	30076829	30076909	Gmdrm	hypo	CHG	-0.19
Gm09	30077183	30077294	Gmdrm	hypo	CHG	-0.4513
Gm09	30077512	30077597	Gmdrm	hypo	CHG	-0.4287
Gm09	30077754	30078025	Gmdrm	hypo	CHG	-0.5712

Gm09	30088374	30088530	Gmdrm	hypo	CHG	-0.2911
Gm09	30094403	30094653	Gmdrm	hypo	CHG	-0.259
Gm09	30111951	30112936	Gmdrm	hypo	CHG	-0.1749
Gm09	30150840	30150867	Gmdrm	hypo	CHG	-0.3357
Gm09	30151314	30151516	Gmdrm	hypo	CHG	-0.671
Gm09	30169905	30170125	Gmdrm	hypo	CHG	-0.413
Gm09	30170365	30170460	Gmdrm	hypo	CHG	-0.59
Gm09	30170682	30170755	Gmdrm	hypo	CHG	-0.3484
Gm09	30171123	30171227	Gmdrm	hypo	CHG	-0.4266
Gm09	30180942	30181023	Gmdrm	hypo	CHG	-0.4737
Gm09	30228071	30228183	Gmdrm	hypo	CHG	-0.098
Gm09	30228584	30228726	Gmdrm	hypo	CHG	-0.5344
Gm09	30233701	30233803	Gmdrm	hypo	CHG	-0.466
Gm09	30339710	30340381	Gmdrm	hypo	CHG	-0.3469
Gm09	30343830	30344029	Gmdrm	hypo	CHG	-0.1829
Gm09	30397174	30397468	Gmdrm	hypo	CHG	-0.3156
Gm09	30408925	30409259	Gmdrm	hypo	CHG	-0.4434
Gm09	30424187	30424549	Gmdrm	hypo	CHG	-0.4289
Gm09	30427122	30427191	Gmdrm	hypo	CHG	-0.59
Gm09	30520931	30521339	Gmdrm	hypo	CHG	-0.2639
Gm09	30536831	30537208	Gmdrm	hypo	CHG	-0.4587
Gm09	30759347	30759504	Gmdrm	hypo	CHG	-0.1271
Gm09	30769697	30770087	Gmdrm	hypo	CHG	-0.2218
Gm09	30837161	30837432	Gmdrm	hypo	CHG	-0.0378
Gm09	30864925	30865042	Gmdrm	hypo	CHG	-0.4278
Gm09	30873109	30873420	Gmdrm	hypo	CHG	-0.385
Gm09	30945096	30945375	Gmdrm	hypo	CHG	-0.353
Gm09	30947394	30947777	Gmdrm	hypo	CHG	-0.2533
Gm09	30969586	30969699	Gmdrm	hypo	CHG	-0.058
Gm09	31025197	31025421	Gmdrm	hypo	CHG	-0.21
Gm09	31226258	31226322	Gmdrm	hypo	CHG	-0.475
Gm09	31226553	31226657	Gmdrm	hypo	CHG	-0.7284
Gm09	31226790	31226956	Gmdrm	hypo	CHG	-0.7686
Gm09	31227239	31227742	Gmdrm	hypo	CHG	-0.6757
Gm09	31227868	31227922	Gmdrm	hypo	CHG	-0.7838
Gm09	31715773	31715872	Gmdrm	hypo	CHG	-0.144
Gm09	31759827	31760444	Gmdrm	hypo	CHG	-0.187
Gm09	31760558	31761457	Gmdrm	hypo	CHG	-0.361
Gm09	31761567	31762533	Gmdrm	hypo	CHG	-0.4699
Gm09	31762700	31763644	Gmdrm	hypo	CHG	-0.348
Gm09	31764820	31765268	Gmdrm	hypo	CHG	-0.0614
Gm09	31777162	31777240	Gmdrm	hypo	CHG	-0.1587
Gm09	31778728	31779025	Gmdrm	hypo	CHG	-0.3655
Gm09	31779480	31780153	Gmdrm	hypo	CHG	-0.2916
Gm09	31787570	31787788	Gmdrm	hypo	CHG	-0.2878
Gm09	31788160	31788242	Gmdrm	hypo	CHG	-0.4825

Gm09	31914592	31914604	Gmdrm	hypo	CHG	-0.1717
Gm09	32007241	32007320	Gmdrm	hypo	CHG	-0.406
Gm09	32025532	32025696	Gmdrm	hypo	CHG	-0.6029
Gm09	32032468	32032652	Gmdrm	hypo	CHG	-0.6277
Gm09	32061599	32061958	Gmdrm	hypo	CHG	-0.2952
Gm09	32097122	32097220	Gmdrm	hypo	CHG	-0.0466
Gm09	32097954	32098068	Gmdrm	hypo	CHG	-0.4734
Gm09	32103604	32103633	Gmdrm	hypo	CHG	-0.135
Gm09	32159748	32160019	Gmdrm	hypo	CHG	-0.5463
Gm09	32168079	32168396	Gmdrm	hypo	CHG	-0.6795
Gm09	32169890	32170278	Gmdrm	hypo	CHG	-0.2522
Gm09	32211427	32211864	Gmdrm	hypo	CHG	-0.048
Gm09	32213343	32213372	Gmdrm	hypo	CHG	-0.6666
Gm09	32213802	32213948	Gmdrm	hypo	CHG	-0.446
Gm09	32222746	32223104	Gmdrm	hypo	CHG	-0.5067
Gm09	32355630	32356012	Gmdrm	hypo	CHG	-0.5152
Gm09	32397227	32397505	Gmdrm	hypo	CHG	-0.3623
Gm09	32397687	32398103	Gmdrm	hypo	CHG	-0.2309
Gm09	32571411	32571537	Gmdrm	hypo	CHG	-0.04
Gm09	32575844	32576063	Gmdrm	hypo	CHG	-0.155
Gm09	32600978	32601141	Gmdrm	hypo	CHG	-0.3785
Gm09	32609919	32610166	Gmdrm	hypo	CHG	-0.1842
Gm09	32872312	32872901	Gmdrm	hypo	CHG	-0.4224
Gm09	32879130	32879273	Gmdrm	hypo	CHG	-0.3714
Gm09	32955183	32955272	Gmdrm	hypo	CHG	-0.8057
Gm09	32964849	32965220	Gmdrm	hypo	CHG	-0.368
Gm09	32996526	32996715	Gmdrm	hypo	CHG	-0.5323
Gm09	32997065	32997525	Gmdrm	hypo	CHG	-0.714
Gm09	32997911	32998251	Gmdrm	hypo	CHG	-0.6744
Gm09	32998453	32998526	Gmdrm	hypo	CHG	-0.71
Gm09	33047615	33047881	Gmdrm	hypo	CHG	-0.168
Gm09	33082600	33082728	Gmdrm	hypo	CHG	-0.049
Gm09	33088099	33088191	Gmdrm	hypo	CHG	-0.349
Gm09	33088304	33089290	Gmdrm	hypo	CHG	-0.0754
Gm09	33094086	33094529	Gmdrm	hypo	CHG	-0.2034
Gm09	33096458	33096755	Gmdrm	hypo	CHG	-0.3377
Gm09	33096921	33097189	Gmdrm	hypo	CHG	-0.3773
Gm09	33101132	33101230	Gmdrm	hypo	CHG	-0.1017
Gm09	33253626	33253786	Gmdrm	hypo	CHG	-0.5114
Gm09	33255309	33255917	Gmdrm	hypo	CHG	-0.585
Gm09	33256957	33257259	Gmdrm	hypo	CHG	-0.5426
Gm09	33265480	33265710	Gmdrm	hypo	CHG	-0.5237
Gm09	33283124	33283353	Gmdrm	hypo	CHG	-0.3467
Gm09	33306085	33306223	Gmdrm	hypo	CHG	-0.13
Gm09	33309731	33310001	Gmdrm	hypo	CHG	-0.1281
Gm09	33310404	33310539	Gmdrm	hypo	CHG	-0.4067

Gm09	33325765	33326283	Gmdrm	hypo	CHG	-0.39
Gm09	33331888	33332016	Gmdrm	hypo	CHG	-0.036
Gm09	33332531	33333011	Gmdrm	hypo	CHG	-0.2643
Gm09	33348306	33348439	Gmdrm	hypo	CHG	-0.054
Gm09	33354507	33354673	Gmdrm	hypo	CHG	-0.4215
Gm09	33354779	33354852	Gmdrm	hypo	CHG	-0.24
Gm09	33357494	33357704	Gmdrm	hypo	CHG	-0.054
Gm09	33365492	33365741	Gmdrm	hypo	CHG	-0.2785
Gm09	33366620	33366826	Gmdrm	hypo	CHG	-0.7891
Gm09	33382222	33382412	Gmdrm	hypo	CHG	-0.0687
Gm09	33539460	33539976	Gmdrm	hypo	CHG	-0.2909
Gm09	33583493	33584193	Gmdrm	hypo	CHG	-0.1767
Gm09	33624817	33625437	Gmdrm	hypo	CHG	-0.192
Gm09	33626616	33626706	Gmdrm	hypo	CHG	-0.546
Gm09	33640142	33640407	Gmdrm	hypo	CHG	-0.41
Gm09	33687209	33687264	Gmdrm	hypo	CHG	-0.64
Gm09	33689894	33689957	Gmdrm	hypo	CHG	-0.55
Gm09	33691969	33692085	Gmdrm	hypo	CHG	-0.034
Gm09	33703336	33703461	Gmdrm	hypo	CHG	-0.2329
Gm09	33710682	33711088	Gmdrm	hypo	CHG	-0.6496
Gm09	33711877	33712024	Gmdrm	hypo	CHG	-0.6833
Gm09	33719896	33720377	Gmdrm	hypo	CHG	-0.3675
Gm09	33797034	33797091	Gmdrm	hypo	CHG	-0.2683
Gm09	33825529	33825668	Gmdrm	hypo	CHG	-0.04
Gm09	33834787	33834997	Gmdrm	hypo	CHG	-0.3786
Gm09	33836623	33836722	Gmdrm	hypo	CHG	-0.138
Gm09	33863227	33863318	Gmdrm	hypo	CHG	-0.1084
Gm09	33893926	33893987	Gmdrm	hypo	CHG	-0.39
Gm09	33894092	33894381	Gmdrm	hypo	CHG	-0.3389
Gm09	33897474	33897579	Gmdrm	hypo	CHG	-0.264
Gm09	33960949	33960997	Gmdrm	hypo	CHG	-0.5043
Gm09	33965413	33966126	Gmdrm	hypo	CHG	-0.1677
Gm09	33967329	33967522	Gmdrm	hypo	CHG	-0.1436
Gm09	33967876	33968080	Gmdrm	hypo	CHG	-0.036
Gm09	33968685	33968899	Gmdrm	hypo	CHG	-0.0325
Gm09	33975264	33975463	Gmdrm	hypo	CHG	-0.34
Gm09	33986301	33986610	Gmdrm	hypo	CHG	-0.499
Gm09	33991129	33991375	Gmdrm	hypo	CHG	-0.195
Gm09	34001859	34001955	Gmdrm	hypo	CHG	-0.4243
Gm09	34002063	34002225	Gmdrm	hypo	CHG	-0.73
Gm09	34002491	34002670	Gmdrm	hypo	CHG	-0.8675
Gm09	34049754	34050189	Gmdrm	hypo	CHG	-0.0359
Gm09	34050826	34050920	Gmdrm	hypo	CHG	-0.058
Gm09	34053464	34053706	Gmdrm	hypo	CHG	-0.6947
Gm09	34059139	34059226	Gmdrm	hypo	CHG	-0.6783
Gm09	34061100	34061659	Gmdrm	hypo	CHG	-0.1843

Gm09	34079389	34079438	Gmdrm	hypo	CHG	-0.228
Gm09	34192312	34192747	Gmdrm	hypo	CHG	-0.4896
Gm09	34213974	34214131	Gmdrm	hypo	CHG	-0.244
Gm09	34214976	34215032	Gmdrm	hypo	CHG	-0.5675
Gm09	34215641	34216055	Gmdrm	hypo	CHG	-0.2896
Gm09	34216356	34217093	Gmdrm	hypo	CHG	-0.2993
Gm09	34252662	34252907	Gmdrm	hypo	CHG	-0.0657
Gm09	34253818	34254062	Gmdrm	hypo	CHG	-0.3133
Gm09	34257835	34258027	Gmdrm	hypo	CHG	-0.2133
Gm09	34259946	34260120	Gmdrm	hypo	CHG	-0.5675
Gm09	34265549	34265560	Gmdrm	hypo	CHG	-0.2983
Gm09	34276791	34277319	Gmdrm	hypo	CHG	-0.2979
Gm09	34322547	34322609	Gmdrm	hypo	CHG	-0.6417
Gm09	34325163	34325329	Gmdrm	hypo	CHG	-0.56
Gm09	34362704	34363288	Gmdrm	hypo	CHG	-0.2774
Gm09	34367682	34367782	Gmdrm	hypo	CHG	-0.066
Gm09	34374808	34375006	Gmdrm	hypo	CHG	-0.329
Gm09	34381464	34381758	Gmdrm	hypo	CHG	-0.2627
Gm09	34384804	34385772	Gmdrm	hypo	CHG	-0.5451
Gm09	34400123	34400552	Gmdrm	hypo	CHG	-0.2179
Gm09	34402011	34402174	Gmdrm	hypo	CHG	-0.462
Gm09	34434780	34434923	Gmdrm	hypo	CHG	-0.825
Gm09	34455085	34455215	Gmdrm	hypo	CHG	-0.0933
Gm09	34473406	34473668	Gmdrm	hypo	CHG	-0.2067
Gm09	34478249	34478414	Gmdrm	hypo	CHG	-0.4671
Gm09	34479194	34479564	Gmdrm	hypo	CHG	-0.5823
Gm09	34488743	34489396	Gmdrm	hypo	CHG	-0.2536
Gm09	34489926	34490006	Gmdrm	hypo	CHG	-0.04
Gm09	34499234	34499338	Gmdrm	hypo	CHG	-0.7614
Gm09	34499480	34499503	Gmdrm	hypo	CHG	-0.83
Gm09	34499609	34499665	Gmdrm	hypo	CHG	-0.8289
Gm09	34523711	34523827	Gmdrm	hypo	CHG	-0.03
Gm09	34533113	34533253	Gmdrm	hypo	CHG	-0.3371
Gm09	34556676	34556790	Gmdrm	hypo	CHG	-0.524
Gm09	34556926	34557304	Gmdrm	hypo	CHG	-0.6207
Gm09	34582582	34582738	Gmdrm	hypo	CHG	-0.5915
Gm09	34582871	34583126	Gmdrm	hypo	CHG	-0.1856
Gm09	34594142	34594367	Gmdrm	hypo	CHG	-0.6155
Gm09	34594754	34594991	Gmdrm	hypo	CHG	-0.5083
Gm09	34595348	34595871	Gmdrm	hypo	CHG	-0.3655
Gm09	34595972	34596152	Gmdrm	hypo	CHG	-0.2418
Gm09	34597438	34598053	Gmdrm	hypo	CHG	-0.2547
Gm09	34598742	34598833	Gmdrm	hypo	CHG	-0.2917
Gm09	34599106	34599248	Gmdrm	hypo	CHG	-0.3834
Gm09	34599411	34599663	Gmdrm	hypo	CHG	-0.4975
Gm09	34601636	34601829	Gmdrm	hypo	CHG	-0.7019

Gm09	34601989	34602161	Gmdrm	hypo	CHG	-0.546
Gm09	34606107	34606312	Gmdrm	hypo	CHG	-0.341
Gm09	34613802	34613955	Gmdrm	hypo	CHG	-0.5314
Gm09	34614057	34614168	Gmdrm	hypo	CHG	-0.23
Gm09	34615006	34615177	Gmdrm	hypo	CHG	-0.4337
Gm09	34626446	34626672	Gmdrm	hypo	CHG	-0.1592
Gm09	34651353	34652147	Gmdrm	hypo	CHG	-0.1082
Gm09	34652584	34652835	Gmdrm	hypo	CHG	-0.368
Gm09	34653001	34653159	Gmdrm	hypo	CHG	-0.3053
Gm09	34655919	34656263	Gmdrm	hypo	CHG	-0.4157
Gm09	34661186	34662145	Gmdrm	hypo	CHG	-0.1745
Gm09	34663153	34663289	Gmdrm	hypo	CHG	-0.589
Gm09	34699385	34699464	Gmdrm	hypo	CHG	-0.6157
Gm09	34713329	34713557	Gmdrm	hypo	CHG	-0.6749
Gm09	34747291	34747576	Gmdrm	hypo	CHG	-0.0471
Gm09	34749029	34749210	Gmdrm	hypo	CHG	-0.3029
Gm09	34755094	34755389	Gmdrm	hypo	CHG	-0.0617
Gm09	34755807	34755869	Gmdrm	hypo	CHG	-0.042
Gm09	34760392	34761027	Gmdrm	hypo	CHG	-0.2444
Gm09	34802198	34803188	Gmdrm	hypo	CHG	-0.1983
Gm09	34803211	34804081	Gmdrm	hypo	CHG	-0.381
Gm09	34804190	34805113	Gmdrm	hypo	CHG	-0.5073
Gm09	34805203	34805607	Gmdrm	hypo	CHG	-0.185
Gm09	34805758	34806223	Gmdrm	hypo	CHG	-0.1647
Gm09	34863816	34863916	Gmdrm	hypo	CHG	-0.6978
Gm09	34864031	34864087	Gmdrm	hypo	CHG	-0.7184
Gm09	34867715	34867947	Gmdrm	hypo	CHG	-0.34
Gm09	34874534	34874908	Gmdrm	hypo	CHG	-0.4428
Gm09	34887000	34887062	Gmdrm	hypo	CHG	-0.722
Gm09	34898547	34899086	Gmdrm	hypo	CHG	-0.1178
Gm09	34908730	34908899	Gmdrm	hypo	CHG	-0.078
Gm09	34909370	34909602	Gmdrm	hypo	CHG	-0.5558
Gm09	34909764	34909992	Gmdrm	hypo	CHG	-0.3027
Gm09	34987636	34987832	Gmdrm	hypo	CHG	-0.1122
Gm09	35008304	35008574	Gmdrm	hypo	CHG	-0.7427
Gm09	35008708	35008826	Gmdrm	hypo	CHG	-0.6388
Gm09	35017460	35017675	Gmdrm	hypo	CHG	-0.2966
Gm09	35056063	35056294	Gmdrm	hypo	CHG	-0.2315
Gm09	35056427	35056475	Gmdrm	hypo	CHG	-0.542
Gm09	35165975	35166121	Gmdrm	hypo	CHG	-0.0467
Gm09	35203029	35203080	Gmdrm	hypo	CHG	-0.7738
Gm09	35203388	35203489	Gmdrm	hypo	CHG	-0.5389
Gm09	35213714	35213939	Gmdrm	hypo	CHG	-0.0467
Gm09	35244088	35244696	Gmdrm	hypo	CHG	-0.2477
Gm09	35264641	35264857	Gmdrm	hypo	CHG	-0.5167
Gm09	35264958	35265045	Gmdrm	hypo	CHG	-0.325

Gm09	35274494	35274797	Gmdrm	hypo	CHG	-0.3289
Gm09	35295118	35295157	Gmdrm	hypo	CHG	-0.1633
Gm09	35295338	35295634	Gmdrm	hypo	CHG	-0.4094
Gm09	35299884	35300056	Gmdrm	hypo	CHG	-0.2394
Gm09	35321656	35321715	Gmdrm	hypo	CHG	-0.5867
Gm09	35340068	35340484	Gmdrm	hypo	CHG	-0.2581
Gm09	35340830	35341051	Gmdrm	hypo	CHG	-0.3585
Gm09	35341313	35341819	Gmdrm	hypo	CHG	-0.5379
Gm09	35344371	35344538	Gmdrm	hypo	CHG	-0.526
Gm09	35347291	35347433	Gmdrm	hypo	CHG	-0.415
Gm09	35358009	35358343	Gmdrm	hypo	CHG	-0.7829
Gm09	35363175	35363349	Gmdrm	hypo	CHG	-0.4014
Gm09	35365358	35365535	Gmdrm	hypo	CHG	-0.4116
Gm09	35396295	35396477	Gmdrm	hypo	CHG	-0.0443
Gm09	35545883	35546254	Gmdrm	hypo	CHG	-0.0596
Gm09	35547715	35548023	Gmdrm	hypo	CHG	-0.717
Gm09	35551997	35552256	Gmdrm	hypo	CHG	-0.439
Gm09	35552548	35552650	Gmdrm	hypo	CHG	-0.618
Gm09	35558460	35558774	Gmdrm	hypo	CHG	-0.195
Gm09	35564847	35565313	Gmdrm	hypo	CHG	-0.2408
Gm09	35583876	35583993	Gmdrm	hypo	CHG	-0.055
Gm09	35588652	35588943	Gmdrm	hypo	CHG	-0.0223
Gm09	35604918	35605108	Gmdrm	hypo	CHG	-0.3786
Gm09	35619564	35619640	Gmdrm	hypo	CHG	-0.4284
Gm09	35619872	35619980	Gmdrm	hypo	CHG	-0.142
Gm09	35623551	35623684	Gmdrm	hypo	CHG	-0.155
Gm09	35628869	35628967	Gmdrm	hypo	CHG	-0.67
Gm09	35630590	35630670	Gmdrm	hypo	CHG	-0.31
Gm09	35685003	35685034	Gmdrm	hypo	CHG	-0.4757
Gm09	35700882	35701416	Gmdrm	hypo	CHG	-0.049
Gm09	35713904	35714132	Gmdrm	hypo	CHG	-0.412
Gm09	35742953	35742979	Gmdrm	hypo	CHG	-0.1913
Gm09	35757356	35757620	Gmdrm	hypo	CHG	-0.455
Gm09	35767937	35768172	Gmdrm	hypo	CHG	-0.466
Gm09	35768274	35768476	Gmdrm	hypo	CHG	-0.175
Gm09	35775685	35775818	Gmdrm	hypo	CHG	-0.075
Gm09	35775942	35776039	Gmdrm	hypo	CHG	-0.262
Gm09	35790106	35790913	Gmdrm	hypo	CHG	-0.2987
Gm09	35793711	35793802	Gmdrm	hypo	CHG	-0.485
Gm09	35801933	35802075	Gmdrm	hypo	CHG	-0.052
Gm09	35845167	35845417	Gmdrm	hypo	CHG	-0.032
Gm09	35853054	35853201	Gmdrm	hypo	CHG	-0.634
Gm09	35890829	35891174	Gmdrm	hypo	CHG	-0.56
Gm09	35891321	35891653	Gmdrm	hypo	CHG	-0.4912
Gm09	36069752	36070086	Gmdrm	hypo	CHG	-0.1539
Gm09	36070220	36070291	Gmdrm	hypo	CHG	-0.26

Gm09	36184837	36185040	Gmdrm	hypo	CHG	-0.387
Gm09	36271499	36271933	Gmdrm	hypo	CHG	-0.8427
Gm09	36273629	36273844	Gmdrm	hypo	CHG	-0.3777
Gm09	36283120	36283241	Gmdrm	hypo	CHG	-0.6192
Gm09	36294143	36295143	Gmdrm	hypo	CHG	-0.1123
Gm09	36340287	36340395	Gmdrm	hypo	CHG	-0.6767
Gm09	36356887	36357098	Gmdrm	hypo	CHG	-0.56
Gm09	36392520	36392675	Gmdrm	hypo	CHG	-0.1491
Gm09	36401218	36401479	Gmdrm	hypo	CHG	-0.361
Gm09	36401612	36401996	Gmdrm	hypo	CHG	-0.3292
Gm09	36402543	36402672	Gmdrm	hypo	CHG	-0.7567
Gm09	36405437	36405794	Gmdrm	hypo	CHG	-0.3469
Gm09	36444627	36444700	Gmdrm	hypo	CHG	-0.6642
Gm09	36503795	36503931	Gmdrm	hypo	CHG	-0.7115
Gm09	36504063	36504155	Gmdrm	hypo	CHG	-0.7917
Gm09	36504256	36504487	Gmdrm	hypo	CHG	-0.3675
Gm09	36630194	36630535	Gmdrm	hypo	CHG	-0.5825
Gm09	36640690	36640860	Gmdrm	hypo	CHG	-0.3867
Gm09	36641631	36641858	Gmdrm	hypo	CHG	-0.3444
Gm09	36648301	36648367	Gmdrm	hypo	CHG	-0.712
Gm09	36648802	36649014	Gmdrm	hypo	CHG	-0.6808
Gm09	36649159	36649412	Gmdrm	hypo	CHG	-0.296
Gm09	36649591	36649786	Gmdrm	hypo	CHG	-0.771
Gm09	36649910	36649994	Gmdrm	hypo	CHG	-0.75
Gm09	36659390	36659668	Gmdrm	hypo	CHG	-0.434
Gm09	36659783	36659884	Gmdrm	hypo	CHG	-0.54
Gm09	36682649	36682726	Gmdrm	hypo	CHG	-0.5617
Gm09	36684834	36684981	Gmdrm	hypo	CHG	-0.7015
Gm09	36688718	36689181	Gmdrm	hypo	CHG	-0.667
Gm09	36700347	36700487	Gmdrm	hypo	CHG	-0.4
Gm09	36727671	36727946	Gmdrm	hypo	CHG	-0.5559
Gm09	36728080	36728262	Gmdrm	hypo	CHG	-0.5867
Gm09	36888178	36888236	Gmdrm	hypo	CHG	-0.235
Gm09	36912287	36912672	Gmdrm	hypo	CHG	-0.24
Gm09	36916619	36916902	Gmdrm	hypo	CHG	-0.0292
Gm09	36929230	36929648	Gmdrm	hypo	CHG	-0.6481
Gm09	36932408	36933084	Gmdrm	hypo	CHG	-0.1843
Gm09	36940243	36940712	Gmdrm	hypo	CHG	-0.2727
Gm09	36941095	36941231	Gmdrm	hypo	CHG	-0.314
Gm09	36946850	36947232	Gmdrm	hypo	CHG	-0.1712
Gm09	36969447	36969695	Gmdrm	hypo	CHG	-0.0925
Gm09	36970006	36970236	Gmdrm	hypo	CHG	-0.2321
Gm09	37021750	37022529	Gmdrm	hypo	CHG	-0.3376
Gm09	37059980	37060074	Gmdrm	hypo	CHG	-0.5975
Gm09	37069479	37069741	Gmdrm	hypo	CHG	-0.295
Gm09	37069927	37070414	Gmdrm	hypo	CHG	-0.332

Gm09	37108202	37108241	Gmdrm	hypo	CHG	-0.39
Gm09	37122869	37123505	Gmdrm	hypo	CHG	-0.693
Gm09	37145737	37146130	Gmdrm	hypo	CHG	-0.1977
Gm09	37146248	37146271	Gmdrm	hypo	CHG	-0.3
Gm09	37151502	37152443	Gmdrm	hypo	CHG	-0.0337
Gm09	37152593	37152997	Gmdrm	hypo	CHG	-0.0209
Gm09	37208404	37208691	Gmdrm	hypo	CHG	-0.1405
Gm09	37211846	37211984	Gmdrm	hypo	CHG	-0.788
Gm09	37215666	37215983	Gmdrm	hypo	CHG	-0.3713
Gm09	37217003	37217073	Gmdrm	hypo	CHG	-0.6442
Gm09	37218373	37218667	Gmdrm	hypo	CHG	-0.2499
Gm09	37226776	37227018	Gmdrm	hypo	CHG	-0.2285
Gm09	37230443	37230561	Gmdrm	hypo	CHG	-0.2763
Gm09	37240916	37241152	Gmdrm	hypo	CHG	-0.418
Gm09	37246776	37247049	Gmdrm	hypo	CHG	-0.7564
Gm09	37247876	37248079	Gmdrm	hypo	CHG	-0.1645
Gm09	37272143	37272756	Gmdrm	hypo	CHG	-0.3096
Gm09	37285667	37285766	Gmdrm	hypo	CHG	-0.6412
Gm09	37379843	37380174	Gmdrm	hypo	CHG	-0.2186
Gm09	37380277	37380438	Gmdrm	hypo	CHG	-0.384
Gm09	37380680	37380894	Gmdrm	hypo	CHG	-0.1416
Gm09	37381359	37381700	Gmdrm	hypo	CHG	-0.0346
Gm09	37383807	37384021	Gmdrm	hypo	CHG	-0.066
Gm09	37389168	37389833	Gmdrm	hypo	CHG	-0.2239
Gm09	37415460	37415754	Gmdrm	hypo	CHG	-0.557
Gm09	37416025	37416052	Gmdrm	hypo	CHG	-0.7484
Gm09	37424432	37424649	Gmdrm	hypo	CHG	-0.5125
Gm09	37430395	37430519	Gmdrm	hypo	CHG	-0.3933
Gm09	37435272	37435403	Gmdrm	hypo	CHG	-0.6689
Gm09	37435509	37435697	Gmdrm	hypo	CHG	-0.0437
Gm09	37437946	37438038	Gmdrm	hypo	CHG	-0.8516
Gm09	37438247	37438327	Gmdrm	hypo	CHG	-0.444
Gm09	37467147	37467412	Gmdrm	hypo	CHG	-0.6413
Gm09	37508036	37508541	Gmdrm	hypo	CHG	-0.2625
Gm09	37547371	37547485	Gmdrm	hypo	CHG	-0.4075
Gm09	37576591	37576748	Gmdrm	hypo	CHG	-0.04
Gm09	37597768	37598037	Gmdrm	hypo	CHG	-0.0582
Gm09	37600954	37601190	Gmdrm	hypo	CHG	-0.3017
Gm09	37602225	37602657	Gmdrm	hypo	CHG	-0.4137
Gm09	37604381	37604653	Gmdrm	hypo	CHG	-0.0586
Gm09	37608778	37608908	Gmdrm	hypo	CHG	-0.4863
Gm09	37612472	37612806	Gmdrm	hypo	CHG	-0.2628
Gm09	37636273	37636608	Gmdrm	hypo	CHG	-0.4167
Gm09	37643074	37643190	Gmdrm	hypo	CHG	-0.0286
Gm09	37643968	37644709	Gmdrm	hypo	CHG	-0.5134
Gm09	37661622	37661781	Gmdrm	hypo	CHG	-0.1556

Gm09	37677220	37677414	Gmdrm	hypo	CHG	-0.5984
Gm09	37701271	37701983	Gmdrm	hypo	CHG	-0.3626
Gm09	37716971	37717165	Gmdrm	hypo	CHG	-0.19
Gm09	37717389	37717528	Gmdrm	hypo	CHG	-0.35
Gm09	37722938	37723211	Gmdrm	hypo	CHG	-0.1925
Gm09	37729046	37729145	Gmdrm	hypo	CHG	-0.028
Gm09	37729946	37730122	Gmdrm	hypo	CHG	-0.3471
Gm09	37731198	37731634	Gmdrm	hypo	CHG	-0.5821
Gm09	37731735	37731979	Gmdrm	hypo	CHG	-0.5254
Gm09	37745880	37745942	Gmdrm	hypo	CHG	-0.6533
Gm09	37746130	37746197	Gmdrm	hypo	CHG	-0.8033
Gm09	37748822	37749357	Gmdrm	hypo	CHG	-0.2964
Gm09	37752435	37752935	Gmdrm	hypo	CHG	-0.5758
Gm09	37766508	37766570	Gmdrm	hypo	CHG	-0.6449
Gm09	37771656	37771702	Gmdrm	hypo	CHG	-0.84
Gm09	37793625	37793792	Gmdrm	hypo	CHG	-0.502
Gm09	37800527	37800709	Gmdrm	hypo	CHG	-0.7114
Gm09	37814252	37814499	Gmdrm	hypo	CHG	-0.2794
Gm09	37831294	37831438	Gmdrm	hypo	CHG	-0.379
Gm09	37831632	37831852	Gmdrm	hypo	CHG	-0.5044
Gm09	37835016	37835087	Gmdrm	hypo	CHG	-0.736
Gm09	37838111	37838720	Gmdrm	hypo	CHG	-0.8014
Gm09	37853334	37854285	Gmdrm	hypo	CHG	-0.2369
Gm09	37870437	37870723	Gmdrm	hypo	CHG	-0.7147
Gm09	37873679	37873773	Gmdrm	hypo	CHG	-0.442
Gm09	37878197	37878594	Gmdrm	hypo	CHG	-0.3946
Gm09	37896290	37896344	Gmdrm	hypo	CHG	-0.5516
Gm09	37896511	37896825	Gmdrm	hypo	CHG	-0.3317
Gm09	37897586	37897711	Gmdrm	hypo	CHG	-0.028
Gm09	37900830	37900887	Gmdrm	hypo	CHG	-0.136
Gm09	37907807	37907897	Gmdrm	hypo	CHG	-0.532
Gm09	37910788	37910846	Gmdrm	hypo	CHG	-0.8433
Gm09	37918572	37918800	Gmdrm	hypo	CHG	-0.7989
Gm09	37919039	37919275	Gmdrm	hypo	CHG	-0.5583
Gm09	37919511	37919691	Gmdrm	hypo	CHG	-0.3963
Gm09	37929537	37930456	Gmdrm	hypo	CHG	-0.2144
Gm09	37952014	37952468	Gmdrm	hypo	CHG	-0.1325
Gm09	37964319	37964896	Gmdrm	hypo	CHG	-0.6283
Gm09	37965501	37965528	Gmdrm	hypo	CHG	-0.6433
Gm09	37974413	37974426	Gmdrm	hypo	CHG	-0.5767
Gm09	37975444	37975631	Gmdrm	hypo	CHG	-0.0386
Gm09	37993693	37993988	Gmdrm	hypo	CHG	-0.076
Gm09	37995746	37996048	Gmdrm	hypo	CHG	-0.5585
Gm09	38054347	38055060	Gmdrm	hypo	CHG	-0.6344
Gm09	38149472	38149926	Gmdrm	hypo	CHG	-0.0975
Gm09	38195216	38195754	Gmdrm	hypo	CHG	-0.172

Gm09	38200796	38200977	Gmdrm	hypo	CHG	-0.148
Gm09	38206323	38206802	Gmdrm	hypo	CHG	-0.3968
Gm09	38207157	38207306	Gmdrm	hypo	CHG	-0.5091
Gm09	38231249	38231440	Gmdrm	hypo	CHG	-0.052
Gm09	38269605	38270570	Gmdrm	hypo	CHG	-0.3865
Gm09	38275201	38275260	Gmdrm	hypo	CHG	-0.2833
Gm09	38275382	38275502	Gmdrm	hypo	CHG	-0.076
Gm09	38278777	38278907	Gmdrm	hypo	CHG	-0.592
Gm09	38279091	38279143	Gmdrm	hypo	CHG	-0.6934
Gm09	38279643	38279795	Gmdrm	hypo	CHG	-0.4371
Gm09	38280817	38281000	Gmdrm	hypo	CHG	-0.639
Gm09	38281381	38281426	Gmdrm	hypo	CHG	-0.43
Gm09	38317541	38317817	Gmdrm	hypo	CHG	-0.2076
Gm09	38325042	38325194	Gmdrm	hypo	CHG	-0.7543
Gm09	38351787	38351906	Gmdrm	hypo	CHG	-0.187
Gm09	38352507	38352722	Gmdrm	hypo	CHG	-0.7447
Gm09	38383620	38383815	Gmdrm	hypo	CHG	-0.055
Gm09	38384275	38384435	Gmdrm	hypo	CHG	-0.034
Gm09	38400696	38401095	Gmdrm	hypo	CHG	-0.3451
Gm09	38401220	38401507	Gmdrm	hypo	CHG	-0.0333
Gm09	38403730	38403754	Gmdrm	hypo	CHG	-0.272
Gm09	38425879	38425977	Gmdrm	hypo	CHG	-0.3457
Gm09	38454474	38454805	Gmdrm	hypo	CHG	-0.7727
Gm09	38455216	38455475	Gmdrm	hypo	CHG	-0.7372
Gm09	38455807	38456132	Gmdrm	hypo	CHG	-0.78
Gm09	38466513	38466652	Gmdrm	hypo	CHG	-0.2813
Gm09	38468372	38468575	Gmdrm	hypo	CHG	-0.6846
Gm09	38485789	38486306	Gmdrm	hypo	CHG	-0.1611
Gm09	38504338	38504379	Gmdrm	hypo	CHG	-0.542
Gm09	38504500	38505385	Gmdrm	hypo	CHG	-0.2393
Gm09	38511270	38511584	Gmdrm	hypo	CHG	-0.4641
Gm09	38513204	38513433	Gmdrm	hypo	CHG	-0.09
Gm09	38515392	38516052	Gmdrm	hypo	CHG	-0.2865
Gm09	38538966	38539105	Gmdrm	hypo	CHG	-0.5675
Gm09	38570388	38570777	Gmdrm	hypo	CHG	-0.8035
Gm09	38586127	38586255	Gmdrm	hypo	CHG	-0.6833
Gm09	38597424	38597602	Gmdrm	hypo	CHG	-0.2534
Gm09	38604743	38605190	Gmdrm	hypo	CHG	-0.357
Gm09	38630908	38631465	Gmdrm	hypo	CHG	-0.4229
Gm09	38632111	38632155	Gmdrm	hypo	CHG	-0.712
Gm09	38632501	38632770	Gmdrm	hypo	CHG	-0.89
Gm09	38638444	38638602	Gmdrm	hypo	CHG	-0.0583
Gm09	38639371	38639532	Gmdrm	hypo	CHG	-0.0725
Gm09	38650317	38650462	Gmdrm	hypo	CHG	-0.8212
Gm09	38650894	38651119	Gmdrm	hypo	CHG	-0.7422
Gm09	38654544	38654848	Gmdrm	hypo	CHG	-0.7336

Gm09	38655021	38655094	Gmdrm	hypo	CHG	-0.064
Gm09	38684664	38684835	Gmdrm	hypo	CHG	-0.1678
Gm09	38688834	38688906	Gmdrm	hypo	CHG	-0.3983
Gm09	38708637	38708899	Gmdrm	hypo	CHG	-0.8865
Gm09	38709261	38709313	Gmdrm	hypo	CHG	-0.9426
Gm09	38715293	38715492	Gmdrm	hypo	CHG	-0.2489
Gm09	38715593	38715708	Gmdrm	hypo	CHG	-0.5578
Gm09	38716065	38716188	Gmdrm	hypo	CHG	-0.585
Gm09	38716466	38716602	Gmdrm	hypo	CHG	-0.3477
Gm09	38719135	38719404	Gmdrm	hypo	CHG	-0.1742
Gm09	38729539	38729628	Gmdrm	hypo	CHG	-0.048
Gm09	38754215	38754351	Gmdrm	hypo	CHG	-0.1463
Gm09	38773543	38773603	Gmdrm	hypo	CHG	-0.1717
Gm09	38774450	38774674	Gmdrm	hypo	CHG	-0.0625
Gm09	38775086	38775334	Gmdrm	hypo	CHG	-0.2476
Gm09	38775536	38775774	Gmdrm	hypo	CHG	-0.3818
Gm09	38777426	38777518	Gmdrm	hypo	CHG	-0.7242
Gm09	38782002	38782817	Gmdrm	hypo	CHG	-0.1936
Gm09	38807734	38808689	Gmdrm	hypo	CHG	-0.076
Gm09	38808815	38809017	Gmdrm	hypo	CHG	-0.6713
Gm09	38831875	38831890	Gmdrm	hypo	CHG	-0.915
Gm09	38832041	38832271	Gmdrm	hypo	CHG	-0.4125
Gm09	38843036	38843220	Gmdrm	hypo	CHG	-0.0528
Gm09	38905716	38906322	Gmdrm	hypo	CHG	-0.3056
Gm09	38907627	38907811	Gmdrm	hypo	CHG	-0.034
Gm09	38909046	38909349	Gmdrm	hypo	CHG	-0.0433
Gm09	38938172	38938198	Gmdrm	hypo	CHG	-0.6785
Gm09	38939757	38940408	Gmdrm	hypo	CHG	-0.1454
Gm09	38944123	38945121	Gmdrm	hypo	CHG	-0.216
Gm09	38962229	38962345	Gmdrm	hypo	CHG	-0.1233
Gm09	38973458	38973917	Gmdrm	hypo	CHG	-0.4624
Gm09	38993012	38993380	Gmdrm	hypo	CHG	-0.7057
Gm09	38993499	38993578	Gmdrm	hypo	CHG	-0.8717
Gm09	38993713	38994322	Gmdrm	hypo	CHG	-0.3097
Gm09	39001250	39001484	Gmdrm	hypo	CHG	-0.7555
Gm09	39014790	39014978	Gmdrm	hypo	CHG	-0.4678
Gm09	39023455	39023707	Gmdrm	hypo	CHG	-0.4755
Gm09	39030249	39030388	Gmdrm	hypo	CHG	-0.2757
Gm09	39031119	39031402	Gmdrm	hypo	CHG	-0.4025
Gm09	39054549	39054895	Gmdrm	hypo	CHG	-0.5308
Gm09	39055166	39055235	Gmdrm	hypo	CHG	-0.505
Gm09	39060109	39060468	Gmdrm	hypo	CHG	-0.0258
Gm09	39069446	39069540	Gmdrm	hypo	CHG	-0.5442
Gm09	39070005	39070229	Gmdrm	hypo	CHG	-0.2633
Gm09	39072847	39073021	Gmdrm	hypo	CHG	-0.0429
Gm09	39075481	39075570	Gmdrm	hypo	CHG	-0.3008

Gm09	39075937	39076024	Gmdrm	hypo	CHG	-0.2034
Gm09	39076152	39076186	Gmdrm	hypo	CHG	-0.3674
Gm09	39076932	39077208	Gmdrm	hypo	CHG	-0.4208
Gm09	39077313	39077580	Gmdrm	hypo	CHG	-0.7611
Gm09	39083138	39083247	Gmdrm	hypo	CHG	-0.7833
Gm09	39089252	39089313	Gmdrm	hypo	CHG	-0.5014
Gm09	39089830	39090773	Gmdrm	hypo	CHG	-0.2163
Gm09	39093164	39093255	Gmdrm	hypo	CHG	-0.3833
Gm09	39093480	39093698	Gmdrm	hypo	CHG	-0.19
Gm09	39094724	39094888	Gmdrm	hypo	CHG	-0.732
Gm09	39095004	39095148	Gmdrm	hypo	CHG	-0.5955
Gm09	39095250	39095347	Gmdrm	hypo	CHG	-0.69
Gm09	39096565	39096677	Gmdrm	hypo	CHG	-0.3633
Gm09	39096801	39096923	Gmdrm	hypo	CHG	-0.67
Gm09	39097082	39097354	Gmdrm	hypo	CHG	-0.803
Gm09	39097500	39097699	Gmdrm	hypo	CHG	-0.6758
Gm09	39103732	39103843	Gmdrm	hypo	CHG	-0.4542
Gm09	39122115	39122244	Gmdrm	hypo	CHG	-0.745
Gm09	39138271	39138410	Gmdrm	hypo	CHG	-0.6618
Gm09	39141350	39141453	Gmdrm	hypo	CHG	-0.498
Gm09	39144486	39144615	Gmdrm	hypo	CHG	-0.16
Gm09	39152151	39152298	Gmdrm	hypo	CHG	-0.66
Gm09	39175158	39175463	Gmdrm	hypo	CHG	-0.699
Gm09	39185824	39185981	Gmdrm	hypo	CHG	-0.038
Gm09	39191629	39191774	Gmdrm	hypo	CHG	-0.6145
Gm09	39192124	39192300	Gmdrm	hypo	CHG	-0.773
Gm09	39194975	39195114	Gmdrm	hypo	CHG	-0.1375
Gm09	39198661	39198895	Gmdrm	hypo	CHG	-0.374
Gm09	39203744	39203915	Gmdrm	hypo	CHG	-0.2827
Gm09	39225664	39226283	Gmdrm	hypo	CHG	-0.5481
Gm09	39230374	39230397	Gmdrm	hypo	CHG	-0.042
Gm09	39235728	39235892	Gmdrm	hypo	CHG	-0.5169
Gm09	39236496	39236797	Gmdrm	hypo	CHG	-0.4273
Gm09	39253369	39253855	Gmdrm	hypo	CHG	-0.2024
Gm09	39278832	39279002	Gmdrm	hypo	CHG	-0.53
Gm09	39291027	39291055	Gmdrm	hypo	CHG	-0.7216
Gm09	39292063	39292338	Gmdrm	hypo	CHG	-0.0622
Gm09	39326695	39326868	Gmdrm	hypo	CHG	-0.1386
Gm09	39334277	39334368	Gmdrm	hypo	CHG	-0.632
Gm09	39350670	39350769	Gmdrm	hypo	CHG	-0.554
Gm09	39350897	39351027	Gmdrm	hypo	CHG	-0.368
Gm09	39358401	39358452	Gmdrm	hypo	CHG	-0.285
Gm09	39371692	39372012	Gmdrm	hypo	CHG	-0.5391
Gm09	39372241	39372410	Gmdrm	hypo	CHG	-0.056
Gm09	39372520	39372765	Gmdrm	hypo	CHG	-0.3774
Gm09	39379110	39379392	Gmdrm	hypo	CHG	-0.0429

Gm09	39387926	39388182	Gmdrm	hypo	CHG	-0.042
Gm09	39401719	39401876	Gmdrm	hypo	CHG	-0.8067
Gm09	39403492	39403674	Gmdrm	hypo	CHG	-0.1
Gm09	39441408	39441975	Gmdrm	hypo	CHG	-0.3123
Gm09	39449826	39449916	Gmdrm	hypo	CHG	-0.035
Gm09	39455633	39455978	Gmdrm	hypo	CHG	-0.1254
Gm09	39456949	39457120	Gmdrm	hypo	CHG	-0.498
Gm09	39457811	39457845	Gmdrm	hypo	CHG	-0.645
Gm09	39458600	39458695	Gmdrm	hypo	CHG	-0.6683
Gm09	39465621	39465678	Gmdrm	hypo	CHG	-0.6887
Gm09	39465779	39465997	Gmdrm	hypo	CHG	-0.6475
Gm09	39467458	39467899	Gmdrm	hypo	CHG	-0.641
Gm09	39476166	39476324	Gmdrm	hypo	CHG	-0.0729
Gm09	39476425	39477418	Gmdrm	hypo	CHG	-0.251
Gm09	39480134	39480289	Gmdrm	hypo	CHG	-0.86
Gm09	39498182	39498581	Gmdrm	hypo	CHG	-0.0545
Gm09	39501114	39501322	Gmdrm	hypo	CHG	-0.921
Gm09	39515934	39516096	Gmdrm	hypo	CHG	-0.58
Gm09	39550502	39550587	Gmdrm	hypo	CHG	-0.7783
Gm09	39550697	39550962	Gmdrm	hypo	CHG	-0.7907
Gm09	39553287	39553640	Gmdrm	hypo	CHG	-0.6375
Gm09	39553910	39554090	Gmdrm	hypo	CHG	-0.8993
Gm09	39558893	39558960	Gmdrm	hypo	CHG	-0.8383
Gm09	39651670	39651895	Gmdrm	hypo	CHG	-0.0533
Gm09	39654335	39654368	Gmdrm	hypo	CHG	-0.336
Gm09	39677272	39677409	Gmdrm	hypo	CHG	-0.4982
Gm09	39696887	39697309	Gmdrm	hypo	CHG	-0.4764
Gm09	39703602	39703818	Gmdrm	hypo	CHG	-0.426
Gm09	39722938	39723200	Gmdrm	hypo	CHG	-0.7853
Gm09	39723628	39723758	Gmdrm	hypo	CHG	-0.8857
Gm09	39727271	39727505	Gmdrm	hypo	CHG	-0.0977
Gm09	39727742	39727928	Gmdrm	hypo	CHG	-0.5791
Gm09	39733933	39734022	Gmdrm	hypo	CHG	-0.7034
Gm09	39736235	39736631	Gmdrm	hypo	CHG	-0.67
Gm09	39742774	39742951	Gmdrm	hypo	CHG	-0.075
Gm09	39770387	39770590	Gmdrm	hypo	CHG	-0.469
Gm09	39772178	39772334	Gmdrm	hypo	CHG	-0.0417
Gm09	39774931	39775289	Gmdrm	hypo	CHG	-0.0375
Gm09	39778017	39778396	Gmdrm	hypo	CHG	-0.0673
Gm09	39790389	39790594	Gmdrm	hypo	CHG	-0.4233
Gm09	39790713	39791670	Gmdrm	hypo	CHG	-0.3407
Gm09	39807391	39807546	Gmdrm	hypo	CHG	-0.8536
Gm09	39807649	39807729	Gmdrm	hypo	CHG	-0.3013
Gm09	39841055	39841246	Gmdrm	hypo	CHG	-0.8647
Gm09	39841501	39841677	Gmdrm	hypo	CHG	-0.5211
Gm09	39847865	39848072	Gmdrm	hypo	CHG	-0.23

Gm09	39849003	39849196	Gmdrm	hypo	CHG	-0.5325
Gm09	39850490	39850686	Gmdrm	hypo	CHG	-0.0378
Gm09	39853429	39853790	Gmdrm	hypo	CHG	-0.0377
Gm09	39861777	39862315	Gmdrm	hypo	CHG	-0.7277
Gm09	39865173	39865294	Gmdrm	hypo	CHG	-0.028
Gm09	39872190	39872620	Gmdrm	hypo	CHG	-0.552
Gm09	39877432	39877657	Gmdrm	hypo	CHG	-0.8284
Gm09	39883551	39883792	Gmdrm	hypo	CHG	-0.0356
Gm09	39889744	39889813	Gmdrm	hypo	CHG	-0.6662
Gm09	39896109	39896256	Gmdrm	hypo	CHG	-0.4163
Gm09	39900606	39900946	Gmdrm	hypo	CHG	-0.3277
Gm09	39905174	39905360	Gmdrm	hypo	CHG	-0.0417
Gm09	39918172	39918375	Gmdrm	hypo	CHG	-0.4441
Gm09	39925715	39925911	Gmdrm	hypo	CHG	-0.4745
Gm09	39950033	39950248	Gmdrm	hypo	CHG	-0.03
Gm09	39971319	39971381	Gmdrm	hypo	CHG	-0.2133
Gm09	40020589	40020689	Gmdrm	hypo	CHG	-0.074
Gm09	40025577	40026061	Gmdrm	hypo	CHG	-0.2521
Gm09	40038857	40039086	Gmdrm	hypo	CHG	-0.563
Gm09	40047563	40047611	Gmdrm	hypo	CHG	-0.2163
Gm09	40047734	40047825	Gmdrm	hypo	CHG	-0.235
Gm09	40071174	40071384	Gmdrm	hypo	CHG	-0.3913
Gm09	40071599	40071765	Gmdrm	hypo	CHG	-0.1917
Gm09	40072894	40073246	Gmdrm	hypo	CHG	-0.3886
Gm09	40107853	40107950	Gmdrm	hypo	CHG	-0.7599
Gm09	40116096	40116155	Gmdrm	hypo	CHG	-0.0917
Gm09	40127404	40127698	Gmdrm	hypo	CHG	-0.7184
Gm09	40132890	40133025	Gmdrm	hypo	CHG	-0.675
Gm09	40145567	40145691	Gmdrm	hypo	CHG	-0.55
Gm09	40145837	40146047	Gmdrm	hypo	CHG	-0.7182
Gm09	40146211	40146324	Gmdrm	hypo	CHG	-0.454
Gm09	40210686	40210847	Gmdrm	hypo	CHG	-0.565
Gm09	40215026	40215173	Gmdrm	hypo	CHG	-0.0483
Gm09	40227876	40227977	Gmdrm	hypo	CHG	-0.1113
Gm09	40239749	40239864	Gmdrm	hypo	CHG	-0.7367
Gm09	40241454	40241499	Gmdrm	hypo	CHG	-0.472
Gm09	40268077	40268283	Gmdrm	hypo	CHG	-0.7955
Gm09	40280008	40280240	Gmdrm	hypo	CHG	-0.0486
Gm09	40309644	40309830	Gmdrm	hypo	CHG	-0.2818
Gm09	40312007	40312336	Gmdrm	hypo	CHG	-0.3793
Gm09	40322112	40322685	Gmdrm	hypo	CHG	-0.7704
Gm09	40334429	40334484	Gmdrm	hypo	CHG	-0.182
Gm09	40336385	40336596	Gmdrm	hypo	CHG	-0.4564
Gm09	40348986	40349266	Gmdrm	hypo	CHG	-0.367
Gm09	40353017	40353486	Gmdrm	hypo	CHG	-0.042
Gm09	40364565	40364731	Gmdrm	hypo	CHG	-0.3711

Gm09	40364978	40365173	Gmdrm	hypo	CHG	-0.4563
Gm09	40366147	40366478	Gmdrm	hypo	CHG	-0.4658
Gm09	40404342	40404571	Gmdrm	hypo	CHG	-0.4257
Gm09	40404707	40404840	Gmdrm	hypo	CHG	-0.2713
Gm09	40418487	40418568	Gmdrm	hypo	CHG	-0.0386
Gm09	40429173	40429313	Gmdrm	hypo	CHG	-0.359
Gm09	40451039	40451136	Gmdrm	hypo	CHG	-0.035
Gm09	40472701	40472849	Gmdrm	hypo	CHG	-0.042
Gm09	40473723	40473994	Gmdrm	hypo	CHG	-0.2258
Gm09	40496969	40497196	Gmdrm	hypo	CHG	-0.3794
Gm09	40498088	40498166	Gmdrm	hypo	CHG	-0.6
Gm09	40534279	40534296	Gmdrm	hypo	CHG	-0.9067
Gm09	40534778	40534852	Gmdrm	hypo	CHG	-0.7074
Gm09	40535125	40535315	Gmdrm	hypo	CHG	-0.0871
Gm09	40539725	40539841	Gmdrm	hypo	CHG	-0.7814
Gm09	40544564	40544749	Gmdrm	hypo	CHG	-0.3175
Gm09	40545423	40545612	Gmdrm	hypo	CHG	-0.265
Gm09	40545742	40545903	Gmdrm	hypo	CHG	-0.4693
Gm09	40547555	40547723	Gmdrm	hypo	CHG	-0.54
Gm09	40554699	40555080	Gmdrm	hypo	CHG	-0.2874
Gm09	40556057	40556396	Gmdrm	hypo	CHG	-0.736
Gm09	40557898	40558028	Gmdrm	hypo	CHG	-0.3271
Gm09	40569698	40569863	Gmdrm	hypo	CHG	-0.03
Gm09	40592318	40592466	Gmdrm	hypo	CHG	-0.698
Gm09	40592753	40592893	Gmdrm	hypo	CHG	-0.5971
Gm09	40606780	40607169	Gmdrm	hypo	CHG	-0.4143
Gm09	40608347	40608577	Gmdrm	hypo	CHG	-0.347
Gm09	40634800	40634969	Gmdrm	hypo	CHG	-0.55
Gm09	40635196	40635324	Gmdrm	hypo	CHG	-0.8344
Gm09	40650805	40650910	Gmdrm	hypo	CHG	-0.4517
Gm09	40659538	40659931	Gmdrm	hypo	CHG	-0.3036
Gm09	40669022	40669315	Gmdrm	hypo	CHG	-0.5652
Gm09	40680424	40680656	Gmdrm	hypo	CHG	-0.3525
Gm09	40680983	40681197	Gmdrm	hypo	CHG	-0.6567
Gm09	40691417	40691518	Gmdrm	hypo	CHG	-0.8312
Gm09	40691641	40691742	Gmdrm	hypo	CHG	-0.508
Gm09	40710981	40711222	Gmdrm	hypo	CHG	-0.4155
Gm09	40724856	40725030	Gmdrm	hypo	CHG	-0.89
Gm09	40732496	40732740	Gmdrm	hypo	CHG	-0.4692
Gm09	40740244	40740452	Gmdrm	hypo	CHG	-0.1115
Gm09	40742166	40742276	Gmdrm	hypo	CHG	-0.7717
Gm09	40755127	40755230	Gmdrm	hypo	CHG	-0.5317
Gm09	40764845	40765073	Gmdrm	hypo	CHG	-0.7811
Gm09	40767422	40767761	Gmdrm	hypo	CHG	-0.7957
Gm09	40768326	40768492	Gmdrm	hypo	CHG	-0.895
Gm09	40773170	40773637	Gmdrm	hypo	CHG	-0.5743

Gm09	40773963	40774257	Gmdrm	hypo	CHG	-0.3508
Gm09	40785709	40785925	Gmdrm	hypo	CHG	-0.0967
Gm09	40807223	40807493	Gmdrm	hypo	CHG	-0.4889
Gm09	40820549	40820847	Gmdrm	hypo	CHG	-0.3981
Gm09	40821185	40821640	Gmdrm	hypo	CHG	-0.2066
Gm09	40821981	40822105	Gmdrm	hypo	CHG	-0.36
Gm09	40834071	40834363	Gmdrm	hypo	CHG	-0.06
Gm09	40838831	40839039	Gmdrm	hypo	CHG	-0.8591
Gm09	40839368	40839547	Gmdrm	hypo	CHG	-0.6275
Gm09	40860603	40860670	Gmdrm	hypo	CHG	-0.1326
Gm09	40863517	40863572	Gmdrm	hypo	CHG	-0.8785
Gm09	40868079	40868285	Gmdrm	hypo	CHG	-0.1917
Gm09	40870643	40870732	Gmdrm	hypo	CHG	-0.3137
Gm09	40871060	40871141	Gmdrm	hypo	CHG	-0.512
Gm09	40871328	40871966	Gmdrm	hypo	CHG	-0.8075
Gm09	40875137	40875307	Gmdrm	hypo	CHG	-0.048
Gm09	40876391	40876647	Gmdrm	hypo	CHG	-0.6094
Gm09	40884727	40884797	Gmdrm	hypo	CHG	-0.6683
Gm09	40884906	40885111	Gmdrm	hypo	CHG	-0.4057
Gm09	40886544	40886572	Gmdrm	hypo	CHG	-0.175
Gm09	40888097	40888285	Gmdrm	hypo	CHG	-0.2516
Gm09	40890598	40890827	Gmdrm	hypo	CHG	-0.7037
Gm09	40893390	40893776	Gmdrm	hypo	CHG	-0.6405
Gm09	40908535	40908595	Gmdrm	hypo	CHG	-0.8524
Gm09	40916165	40916309	Gmdrm	hypo	CHG	-0.8163
Gm09	40916449	40916600	Gmdrm	hypo	CHG	-0.824
Gm09	40983097	40983589	Gmdrm	hypo	CHG	-0.2631
Gm09	40999461	40999504	Gmdrm	hypo	CHG	-0.746
Gm09	40999656	40999775	Gmdrm	hypo	CHG	-0.556
Gm09	41000039	41000142	Gmdrm	hypo	CHG	-0.4578
Gm09	41001604	41001796	Gmdrm	hypo	CHG	-0.2315
Gm09	41002749	41003077	Gmdrm	hypo	CHG	-0.2167
Gm09	41003324	41003352	Gmdrm	hypo	CHG	-0.5112
Gm09	41004723	41005208	Gmdrm	hypo	CHG	-0.6615
Gm09	41012266	41012381	Gmdrm	hypo	CHG	-0.2534
Gm09	41018866	41018972	Gmdrm	hypo	CHG	-0.8
Gm09	41019080	41019326	Gmdrm	hypo	CHG	-0.821
Gm09	41019452	41019615	Gmdrm	hypo	CHG	-0.745
Gm09	41019997	41020220	Gmdrm	hypo	CHG	-0.578
Gm09	41020990	41021182	Gmdrm	hypo	CHG	-0.522
Gm09	41022052	41022260	Gmdrm	hypo	CHG	-0.199
Gm09	41022694	41022705	Gmdrm	hypo	CHG	-0.6733
Gm09	41025922	41026056	Gmdrm	hypo	CHG	-0.215
Gm09	41026227	41026369	Gmdrm	hypo	CHG	-0.7378
Gm09	41031201	41031464	Gmdrm	hypo	CHG	-0.089
Gm09	41040514	41040722	Gmdrm	hypo	CHG	-0.7639

Gm09	41040957	41041119	Gmdrm	hypo	CHG	-0.7511
Gm09	41055684	41055989	Gmdrm	hypo	CHG	-0.048
Gm09	41056621	41056732	Gmdrm	hypo	CHG	-0.1
Gm09	41056879	41057143	Gmdrm	hypo	CHG	-0.8693
Gm09	41069544	41070055	Gmdrm	hypo	CHG	-0.1209
Gm09	41076951	41077200	Gmdrm	hypo	CHG	-0.6229
Gm09	41077343	41077598	Gmdrm	hypo	CHG	-0.6071
Gm09	41077836	41077988	Gmdrm	hypo	CHG	-0.7414
Gm09	41092311	41092681	Gmdrm	hypo	CHG	-0.8693
Gm09	41100052	41100232	Gmdrm	hypo	CHG	-0.0605
Gm09	41104864	41105204	Gmdrm	hypo	CHG	-0.322
Gm09	41105317	41105564	Gmdrm	hypo	CHG	-0.7136
Gm09	41108311	41108476	Gmdrm	hypo	CHG	-0.022
Gm09	41122195	41122439	Gmdrm	hypo	CHG	-0.0363
Gm09	41145689	41145964	Gmdrm	hypo	CHG	-0.415
Gm09	41146818	41146995	Gmdrm	hypo	CHG	-0.175
Gm09	41147100	41147705	Gmdrm	hypo	CHG	-0.602
Gm09	41150384	41150525	Gmdrm	hypo	CHG	-0.125
Gm09	41150790	41151551	Gmdrm	hypo	CHG	-0.5029
Gm09	41156080	41156251	Gmdrm	hypo	CHG	-0.6356
Gm09	41156508	41156672	Gmdrm	hypo	CHG	-0.7255
Gm09	41177010	41177257	Gmdrm	hypo	CHG	-0.4733
Gm09	41187619	41187769	Gmdrm	hypo	CHG	-0.062
Gm09	41215703	41216003	Gmdrm	hypo	CHG	-0.2308
Gm09	41222206	41222343	Gmdrm	hypo	CHG	-0.2444
Gm09	41223252	41223547	Gmdrm	hypo	CHG	-0.7583
Gm09	41223782	41223931	Gmdrm	hypo	CHG	-0.943
Gm09	41230077	41230180	Gmdrm	hypo	CHG	-0.5633
Gm09	41230375	41230789	Gmdrm	hypo	CHG	-0.1227
Gm09	41233704	41233989	Gmdrm	hypo	CHG	-0.4329
Gm09	41244445	41244694	Gmdrm	hypo	CHG	-0.5617
Gm09	41245141	41245453	Gmdrm	hypo	CHG	-0.2346
Gm09	41246491	41246580	Gmdrm	hypo	CHG	-0.6808
Gm09	41246782	41247026	Gmdrm	hypo	CHG	-0.3075
Gm09	41247140	41247487	Gmdrm	hypo	CHG	-0.3721
Gm09	41251132	41251421	Gmdrm	hypo	CHG	-0.325
Gm09	41255670	41255745	Gmdrm	hypo	CHG	-0.05
Gm09	41277907	41278042	Gmdrm	hypo	CHG	-0.132
Gm09	41278596	41278795	Gmdrm	hypo	CHG	-0.58
Gm09	41279492	41279542	Gmdrm	hypo	CHG	-0.7617
Gm09	41279992	41280352	Gmdrm	hypo	CHG	-0.7438
Gm09	41280454	41280540	Gmdrm	hypo	CHG	-0.0533
Gm09	41289264	41289409	Gmdrm	hypo	CHG	-0.0214
Gm09	41295395	41295515	Gmdrm	hypo	CHG	-0.7543
Gm09	41295641	41295705	Gmdrm	hypo	CHG	-0.8982
Gm09	41295956	41296144	Gmdrm	hypo	CHG	-0.6294

Gm09	41309803	41309887	Gmdrm	hypo	CHG	-0.9033
Gm09	41311761	41311929	Gmdrm	hypo	CHG	-0.0383
Gm09	41316289	41316503	Gmdrm	hypo	CHG	-0.2983
Gm09	41319213	41319467	Gmdrm	hypo	CHG	-0.0334
Gm09	41328723	41328983	Gmdrm	hypo	CHG	-0.8285
Gm09	41329255	41329658	Gmdrm	hypo	CHG	-0.77
Gm09	41348455	41348551	Gmdrm	hypo	CHG	-0.0243
Gm09	41370107	41370313	Gmdrm	hypo	CHG	-0.0343
Gm09	41371634	41371826	Gmdrm	hypo	CHG	-0.73
Gm09	41373083	41373379	Gmdrm	hypo	CHG	-0.0333
Gm09	41391986	41392068	Gmdrm	hypo	CHG	-0.3443
Gm09	41392243	41392475	Gmdrm	hypo	CHG	-0.5726
Gm09	41393194	41393295	Gmdrm	hypo	CHG	-0.3967
Gm09	41414335	41414781	Gmdrm	hypo	CHG	-0.3314
Gm09	41422041	41422075	Gmdrm	hypo	CHG	-0.0471
Gm09	41439972	41440053	Gmdrm	hypo	CHG	-0.83
Gm09	41440348	41440396	Gmdrm	hypo	CHG	-0.8388
Gm09	41440641	41440684	Gmdrm	hypo	CHG	-0.7637
Gm09	41441232	41441525	Gmdrm	hypo	CHG	-0.9615
Gm09	41444463	41444936	Gmdrm	hypo	CHG	-0.2866
Gm09	41446228	41446398	Gmdrm	hypo	CHG	-0.4886
Gm09	41446510	41446967	Gmdrm	hypo	CHG	-0.4571
Gm09	41461701	41461794	Gmdrm	hypo	CHG	-0.3433
Gm09	41463207	41463432	Gmdrm	hypo	CHG	-0.7133
Gm09	41474868	41475285	Gmdrm	hypo	CHG	-0.8065
Gm09	41490565	41490625	Gmdrm	hypo	CHG	-0.5834
Gm09	41491675	41492026	Gmdrm	hypo	CHG	-0.4081
Gm09	41505196	41505386	Gmdrm	hypo	CHG	-0.35
Gm09	41512301	41512548	Gmdrm	hypo	CHG	-0.179
Gm09	41529003	41529309	Gmdrm	hypo	CHG	-0.05
Gm09	41561830	41562022	Gmdrm	hypo	CHG	-0.6587
Gm09	41595646	41595740	Gmdrm	hypo	CHG	-0.7871
Gm09	41605042	41605093	Gmdrm	hypo	CHG	-0.5916
Gm09	41605834	41605983	Gmdrm	hypo	CHG	-0.3633
Gm09	41633016	41633422	Gmdrm	hypo	CHG	-0.293
Gm09	41635291	41635472	Gmdrm	hypo	CHG	-0.5629
Gm09	41646464	41646681	Gmdrm	hypo	CHG	-0.7854
Gm09	41651329	41651529	Gmdrm	hypo	CHG	-0.7843
Gm09	41667298	41667328	Gmdrm	hypo	CHG	-0.7317
Gm09	41687541	41687731	Gmdrm	hypo	CHG	-0.6847
Gm09	41711175	41711313	Gmdrm	hypo	CHG	-0.574
Gm09	41727357	41728342	Gmdrm	hypo	CHG	-0.3932
Gm09	41739412	41740101	Gmdrm	hypo	CHG	-0.7803
Gm09	41740326	41740481	Gmdrm	hypo	CHG	-0.5429
Gm09	41742062	41742445	Gmdrm	hypo	CHG	-0.0367
Gm09	41742573	41742646	Gmdrm	hypo	CHG	-0.076

Gm09	41746349	41746454	Gmdrm	hypo	CHG	-0.6483
Gm09	41746596	41746751	Gmdrm	hypo	CHG	-0.8184
Gm09	41763169	41763304	Gmdrm	hypo	CHG	-0.7534
Gm09	41763791	41763949	Gmdrm	hypo	CHG	-0.512
Gm09	41764062	41764410	Gmdrm	hypo	CHG	-0.5046
Gm09	41782053	41782101	Gmdrm	hypo	CHG	-0.392
Gm09	41795758	41795857	Gmdrm	hypo	CHG	-0.0329
Gm09	41799651	41799807	Gmdrm	hypo	CHG	-0.0967
Gm09	41812837	41813009	Gmdrm	hypo	CHG	-0.0878
Gm09	41827616	41827689	Gmdrm	hypo	CHG	-0.378
Gm09	41833490	41833670	Gmdrm	hypo	CHG	-0.0878
Gm09	41862681	41862853	Gmdrm	hypo	CHG	-0.1791
Gm09	41863004	41863529	Gmdrm	hypo	CHG	-0.1564
Gm09	41897370	41897568	Gmdrm	hypo	CHG	-0.6342
Gm09	41920702	41921067	Gmdrm	hypo	CHG	-0.7257
Gm09	41935412	41935641	Gmdrm	hypo	CHG	-0.5532
Gm09	41943030	41943610	Gmdrm	hypo	CHG	-0.1192
Gm09	41943961	41944163	Gmdrm	hypo	CHG	-0.911
Gm09	41944358	41944484	Gmdrm	hypo	CHG	-0.854
Gm09	41946746	41946849	Gmdrm	hypo	CHG	-0.06
Gm09	41953117	41953628	Gmdrm	hypo	CHG	-0.564
Gm09	41954173	41954229	Gmdrm	hypo	CHG	-0.6736
Gm09	41964852	41964995	Gmdrm	hypo	CHG	-0.6186
Gm09	41976205	41976241	Gmdrm	hypo	CHG	-0.5483
Gm09	41993979	41994259	Gmdrm	hypo	CHG	-0.0357
Gm09	42003214	42003314	Gmdrm	hypo	CHG	-0.762
Gm09	42015000	42015370	Gmdrm	hypo	CHG	-0.2869
Gm09	42042406	42042453	Gmdrm	hypo	CHG	-0.9125
Gm09	42042599	42042661	Gmdrm	hypo	CHG	-0.9433
Gm09	42043495	42043652	Gmdrm	hypo	CHG	-0.6072
Gm09	42052031	42052180	Gmdrm	hypo	CHG	-0.506
Gm09	42053312	42053560	Gmdrm	hypo	CHG	-0.3312
Gm09	42066600	42066977	Gmdrm	hypo	CHG	-0.0292
Gm09	42089843	42089905	Gmdrm	hypo	CHG	-0.172
Gm09	42093833	42093964	Gmdrm	hypo	CHG	-0.042
Gm09	42100033	42100208	Gmdrm	hypo	CHG	-0.0522
Gm09	42124591	42124747	Gmdrm	hypo	CHG	-0.8475
Gm09	42126073	42126129	Gmdrm	hypo	CHG	-0.8571
Gm09	42162694	42162716	Gmdrm	hypo	CHG	-0.135
Gm09	42181623	42181730	Gmdrm	hypo	CHG	-0.03
Gm09	42185330	42185408	Gmdrm	hypo	CHG	-0.072
Gm09	42207169	42207394	Gmdrm	hypo	CHG	-0.4262
Gm09	42227158	42227507	Gmdrm	hypo	CHG	-0.3994
Gm09	42230600	42230668	Gmdrm	hypo	CHG	-0.458
Gm09	42276196	42276281	Gmdrm	hypo	CHG	-0.12
Gm09	42293658	42293920	Gmdrm	hypo	CHG	-0.3993

Gm09	42295606	42295792	Gmdrm	hypo	CHG	-0.0587
Gm09	42313402	42313719	Gmdrm	hypo	CHG	-0.375
Gm09	42335137	42335429	Gmdrm	hypo	CHG	-0.45
Gm09	42335617	42335743	Gmdrm	hypo	CHG	-0.816
Gm09	42336716	42336858	Gmdrm	hypo	CHG	-0.7643
Gm09	42355253	42355310	Gmdrm	hypo	CHG	-0.5283
Gm09	42365086	42365133	Gmdrm	hypo	CHG	-0.266
Gm09	42377431	42377547	Gmdrm	hypo	CHG	-0.593
Gm09	42377741	42378069	Gmdrm	hypo	CHG	-0.645
Gm09	42398306	42398373	Gmdrm	hypo	CHG	-0.446
Gm09	42415828	42415982	Gmdrm	hypo	CHG	-0.3482
Gm09	42418023	42418876	Gmdrm	hypo	CHG	-0.3262
Gm09	42422095	42422240	Gmdrm	hypo	CHG	-0.215
Gm09	42422362	42422387	Gmdrm	hypo	CHG	-0.4517
Gm09	42422890	42423348	Gmdrm	hypo	CHG	-0.5844
Gm09	42457088	42457466	Gmdrm	hypo	CHG	-0.0517
Gm09	42458589	42458690	Gmdrm	hypo	CHG	-0.16
Gm09	42463346	42463512	Gmdrm	hypo	CHG	-0.6377
Gm09	42463666	42463902	Gmdrm	hypo	CHG	-0.8741
Gm09	42464183	42464317	Gmdrm	hypo	CHG	-0.875
Gm09	42469578	42469872	Gmdrm	hypo	CHG	-0.234
Gm09	42470886	42471064	Gmdrm	hypo	CHG	-0.3817
Gm09	42497603	42497905	Gmdrm	hypo	CHG	-0.03
Gm09	42499230	42499400	Gmdrm	hypo	CHG	-0.1633
Gm09	42501131	42501268	Gmdrm	hypo	CHG	-0.2714
Gm09	42516886	42517205	Gmdrm	hypo	CHG	-0.0455
Gm09	42528717	42529006	Gmdrm	hypo	CHG	-0.0434
Gm09	42563960	42564085	Gmdrm	hypo	CHG	-0.175
Gm09	42571996	42572135	Gmdrm	hypo	CHG	-0.056
Gm09	42600501	42600592	Gmdrm	hypo	CHG	-0.0711
Gm09	42611526	42611723	Gmdrm	hypo	CHG	-0.3137
Gm09	42620013	42620155	Gmdrm	hypo	CHG	-0.4916
Gm09	42623666	42623758	Gmdrm	hypo	CHG	-0.3289
Gm09	42629949	42630058	Gmdrm	hypo	CHG	-0.048
Gm09	42640395	42640677	Gmdrm	hypo	CHG	-0.1608
Gm09	42645537	42645656	Gmdrm	hypo	CHG	-0.325
Gm09	42665910	42666901	Gmdrm	hypo	CHG	-0.3866
Gm09	42709566	42710017	Gmdrm	hypo	CHG	-0.6893
Gm09	42720951	42721361	Gmdrm	hypo	CHG	-0.6332
Gm09	42721595	42721764	Gmdrm	hypo	CHG	-0.93
Gm09	42721883	42721975	Gmdrm	hypo	CHG	-0.0367
Gm09	42728045	42728684	Gmdrm	hypo	CHG	-0.208
Gm09	42745697	42745836	Gmdrm	hypo	CHG	-0.056
Gm09	42758216	42758327	Gmdrm	hypo	CHG	-0.3915
Gm09	42765246	42765584	Gmdrm	hypo	CHG	-0.419
Gm09	42776595	42776817	Gmdrm	hypo	CHG	-0.4711

Gm09	42777137	42777309	Gmdrm	hypo	CHG	-0.5039
Gm09	42788708	42788900	Gmdrm	hypo	CHG	-0.0272
Gm09	42804653	42804824	Gmdrm	hypo	CHG	-0.5014
Gm09	42810463	42810916	Gmdrm	hypo	CHG	-0.3475
Gm09	42819460	42819585	Gmdrm	hypo	CHG	-0.3233
Gm09	42820356	42820521	Gmdrm	hypo	CHG	-0.8057
Gm09	42845484	42845504	Gmdrm	hypo	CHG	-0.664
Gm09	42850842	42851143	Gmdrm	hypo	CHG	-0.6235
Gm09	42859369	42859920	Gmdrm	hypo	CHG	-0.2586
Gm09	42862624	42862654	Gmdrm	hypo	CHG	-0.4566
Gm09	42877059	42877131	Gmdrm	hypo	CHG	-0.048
Gm09	42887437	42887585	Gmdrm	hypo	CHG	-0.0875
Gm09	42912625	42912701	Gmdrm	hypo	CHG	-0.764
Gm09	42912900	42913093	Gmdrm	hypo	CHG	-0.307
Gm09	42917771	42918050	Gmdrm	hypo	CHG	-0.4295
Gm09	42920476	42920639	Gmdrm	hypo	CHG	-0.3633
Gm09	42920750	42920794	Gmdrm	hypo	CHG	-0.7733
Gm09	42920986	42921100	Gmdrm	hypo	CHG	-0.5667
Gm09	42921254	42921320	Gmdrm	hypo	CHG	-0.71
Gm09	42921707	42921944	Gmdrm	hypo	CHG	-0.3073
Gm09	42922080	42922298	Gmdrm	hypo	CHG	-0.3288
Gm09	42922502	42922700	Gmdrm	hypo	CHG	-0.38
Gm09	42923177	42923189	Gmdrm	hypo	CHG	-0.3883
Gm09	42924195	42924327	Gmdrm	hypo	CHG	-0.2837
Gm09	42945925	42946075	Gmdrm	hypo	CHG	-0.4566
Gm09	42966169	42966511	Gmdrm	hypo	CHG	-0.0645
Gm09	42994241	42994370	Gmdrm	hypo	CHG	-0.06
Gm09	42995992	42996070	Gmdrm	hypo	CHG	-0.5178
Gm09	43008458	43008563	Gmdrm	hypo	CHG	-0.2883
Gm09	43011048	43011197	Gmdrm	hypo	CHG	-0.83
Gm09	43011359	43011762	Gmdrm	hypo	CHG	-0.717
Gm09	43017300	43017440	Gmdrm	hypo	CHG	-0.13
Gm09	43018486	43018518	Gmdrm	hypo	CHG	-0.3267
Gm09	43019004	43019348	Gmdrm	hypo	CHG	-0.4669
Gm09	43052539	43052727	Gmdrm	hypo	CHG	-0.6175
Gm09	43062719	43063002	Gmdrm	hypo	CHG	-0.3136
Gm09	43093285	43094232	Gmdrm	hypo	CHG	-0.1671
Gm09	43099771	43099896	Gmdrm	hypo	CHG	-0.3929
Gm09	43107736	43107812	Gmdrm	hypo	CHG	-0.344
Gm09	43117020	43117295	Gmdrm	hypo	CHG	-0.05
Gm09	43117419	43117696	Gmdrm	hypo	CHG	-0.3975
Gm09	43120181	43120481	Gmdrm	hypo	CHG	-0.9154
Gm09	43128900	43129075	Gmdrm	hypo	CHG	-0.245
Gm09	43134708	43134809	Gmdrm	hypo	CHG	-0.2643
Gm09	43173853	43173929	Gmdrm	hypo	CHG	-0.088
Gm09	43179156	43179292	Gmdrm	hypo	CHG	-0.3109

Gm09	43190746	43191027	Gmdrm	hypo	CHG	-0.3209
Gm09	43213811	43214369	Gmdrm	hypo	CHG	-0.6196
Gm09	43215082	43215514	Gmdrm	hypo	CHG	-0.4777
Gm09	43219268	43219477	Gmdrm	hypo	CHG	-0.0557
Gm09	43219688	43219812	Gmdrm	hypo	CHG	-0.5816
Gm09	43220364	43220451	Gmdrm	hypo	CHG	-0.596
Gm09	43220744	43220878	Gmdrm	hypo	CHG	-0.8122
Gm09	43259405	43259605	Gmdrm	hypo	CHG	-0.8682
Gm09	43259806	43260041	Gmdrm	hypo	CHG	-0.532
Gm09	43260305	43260412	Gmdrm	hypo	CHG	-0.305
Gm09	43350579	43350684	Gmdrm	hypo	CHG	-0.535
Gm09	43350866	43351083	Gmdrm	hypo	CHG	-0.7462
Gm09	43351647	43351779	Gmdrm	hypo	CHG	-0.6792
Gm09	43351893	43351967	Gmdrm	hypo	CHG	-0.83
Gm09	43357316	43357733	Gmdrm	hypo	CHG	-0.0373
Gm09	43362695	43363314	Gmdrm	hypo	CHG	-0.2358
Gm09	43366706	43366785	Gmdrm	hypo	CHG	-0.9584
Gm09	43387540	43387839	Gmdrm	hypo	CHG	-0.4238
Gm09	43397591	43397724	Gmdrm	hypo	CHG	-0.7225
Gm09	43404093	43404192	Gmdrm	hypo	CHG	-0.418
Gm09	43415205	43415973	Gmdrm	hypo	CHG	-0.3084
Gm09	43416757	43416961	Gmdrm	hypo	CHG	-0.312
Gm09	43418413	43418553	Gmdrm	hypo	CHG	-0.8878
Gm09	43422306	43422336	Gmdrm	hypo	CHG	-0.7666
Gm09	43423413	43423437	Gmdrm	hypo	CHG	-0.47
Gm09	43425141	43425234	Gmdrm	hypo	CHG	-0.7271
Gm09	43427559	43427609	Gmdrm	hypo	CHG	-0.69
Gm09	43432300	43432620	Gmdrm	hypo	CHG	-0.3533
Gm09	43435763	43436011	Gmdrm	hypo	CHG	-0.0414
Gm09	43453423	43453494	Gmdrm	hypo	CHG	-0.32
Gm09	43463620	43463692	Gmdrm	hypo	CHG	-0.0683
Gm09	43472718	43472769	Gmdrm	hypo	CHG	-0.0783
Gm09	43473106	43473242	Gmdrm	hypo	CHG	-0.7833
Gm09	43474058	43474535	Gmdrm	hypo	CHG	-0.4947
Gm09	43479131	43479343	Gmdrm	hypo	CHG	-0.38
Gm09	43484109	43484549	Gmdrm	hypo	CHG	-0.1734
Gm09	43504358	43504551	Gmdrm	hypo	CHG	-0.7113
Gm09	43509057	43509196	Gmdrm	hypo	CHG	-0.4357
Gm09	43516218	43516811	Gmdrm	hypo	CHG	-0.03
Gm09	43536852	43536972	Gmdrm	hypo	CHG	-0.034
Gm09	43555935	43556299	Gmdrm	hypo	CHG	-0.2006
Gm09	43563563	43563628	Gmdrm	hypo	CHG	-0.33
Gm09	43581104	43581429	Gmdrm	hypo	CHG	-0.4959
Gm09	43581548	43581675	Gmdrm	hypo	CHG	-0.795
Gm09	43633785	43634062	Gmdrm	hypo	CHG	-0.0333
Gm09	43643134	43643254	Gmdrm	hypo	CHG	-0.412

Gm09	43666888	43667055	Gmdrm	hypo	CHG	-0.5617
Gm09	43670894	43671413	Gmdrm	hypo	CHG	-0.6943
Gm09	43673603	43673862	Gmdrm	hypo	CHG	-0.0262
Gm09	43697029	43697091	Gmdrm	hypo	CHG	-0.664
Gm09	43697260	43697550	Gmdrm	hypo	CHG	-0.7215
Gm09	43702984	43703172	Gmdrm	hypo	CHG	-0.0384
Gm09	43741873	43742012	Gmdrm	hypo	CHG	-0.106
Gm09	43748506	43748573	Gmdrm	hypo	CHG	-0.04
Gm09	43748868	43749027	Gmdrm	hypo	CHG	-0.5475
Gm09	43766478	43766696	Gmdrm	hypo	CHG	-0.3433
Gm09	43790048	43790173	Gmdrm	hypo	CHG	-0.7378
Gm09	43790299	43790376	Gmdrm	hypo	CHG	-0.9134
Gm09	43790907	43791115	Gmdrm	hypo	CHG	-0.8617
Gm09	43800329	43800437	Gmdrm	hypo	CHG	-0.5225
Gm09	43800724	43801012	Gmdrm	hypo	CHG	-0.8
Gm09	43811126	43811342	Gmdrm	hypo	CHG	-0.2733
Gm09	43811899	43812298	Gmdrm	hypo	CHG	-0.5367
Gm09	43813628	43813656	Gmdrm	hypo	CHG	-0.068
Gm09	43813759	43814083	Gmdrm	hypo	CHG	-0.61
Gm09	43814527	43814687	Gmdrm	hypo	CHG	-0.72
Gm09	43814830	43815021	Gmdrm	hypo	CHG	-0.7483
Gm09	43816376	43816412	Gmdrm	hypo	CHG	-0.5244
Gm09	43829595	43829669	Gmdrm	hypo	CHG	-0.6717
Gm09	43834358	43834478	Gmdrm	hypo	CHG	-0.384
Gm09	43835398	43835454	Gmdrm	hypo	CHG	-0.288
Gm09	43835642	43835786	Gmdrm	hypo	CHG	-0.665
Gm09	43835913	43836038	Gmdrm	hypo	CHG	-0.4443
Gm09	43841024	43841135	Gmdrm	hypo	CHG	-0.6185
Gm09	43852303	43852490	Gmdrm	hypo	CHG	-0.078
Gm09	43883620	43883762	Gmdrm	hypo	CHG	-0.632
Gm09	43884113	43884294	Gmdrm	hypo	CHG	-0.6278
Gm09	43913107	43913294	Gmdrm	hypo	CHG	-0.6422
Gm09	43913476	43913994	Gmdrm	hypo	CHG	-0.383
Gm09	43935757	43935975	Gmdrm	hypo	CHG	-0.0378
Gm09	43957212	43957833	Gmdrm	hypo	CHG	-0.2493
Gm09	43963062	43963307	Gmdrm	hypo	CHG	-0.6464
Gm09	44013739	44014041	Gmdrm	hypo	CHG	-0.382
Gm09	44016162	44016286	Gmdrm	hypo	CHG	-0.4883
Gm09	44016413	44017018	Gmdrm	hypo	CHG	-0.313
Gm09	44055161	44055249	Gmdrm	hypo	CHG	-0.032
Gm09	44095634	44095978	Gmdrm	hypo	CHG	-0.0737
Gm09	44138548	44138697	Gmdrm	hypo	CHG	-0.588
Gm09	44138975	44139063	Gmdrm	hypo	CHG	-0.6816
Gm09	44181827	44181901	Gmdrm	hypo	CHG	-0.735
Gm09	44182231	44182610	Gmdrm	hypo	CHG	-0.3683
Gm09	44184883	44184925	Gmdrm	hypo	CHG	-0.09

Gm09	44189600	44190117	Gmdrm	hypo	CHG	-0.2674
Gm09	44190259	44190824	Gmdrm	hypo	CHG	-0.3281
Gm09	44273144	44273202	Gmdrm	hypo	CHG	-0.038
Gm09	44276378	44276739	Gmdrm	hypo	CHG	-0.9482
Gm09	44311685	44311846	Gmdrm	hypo	CHG	-0.048
Gm09	44316381	44316535	Gmdrm	hypo	CHG	-0.2733
Gm09	44317331	44317484	Gmdrm	hypo	CHG	-0.4867
Gm09	44351916	44352430	Gmdrm	hypo	CHG	-0.7941
Gm09	44355450	44355518	Gmdrm	hypo	CHG	-0.1488
Gm09	44382724	44383014	Gmdrm	hypo	CHG	-0.448
Gm09	44383306	44383356	Gmdrm	hypo	CHG	-0.4083
Gm09	44383460	44383518	Gmdrm	hypo	CHG	-0.4562
Gm09	44396713	44396850	Gmdrm	hypo	CHG	-0.4062
Gm09	44397199	44397319	Gmdrm	hypo	CHG	-0.41
Gm09	44397597	44397861	Gmdrm	hypo	CHG	-0.6633
Gm09	44429935	44429962	Gmdrm	hypo	CHG	-0.584
Gm09	44433061	44433375	Gmdrm	hypo	CHG	-0.3571
Gm09	44449035	44449117	Gmdrm	hypo	CHG	-0.384
Gm09	44453184	44453248	Gmdrm	hypo	CHG	-0.805
Gm09	44464287	44465074	Gmdrm	hypo	CHG	-0.3067
Gm09	44466067	44466240	Gmdrm	hypo	CHG	-0.0683
Gm09	44485518	44485541	Gmdrm	hypo	CHG	-0.925
Gm09	44490399	44490493	Gmdrm	hypo	CHG	-0.675
Gm09	44507008	44507175	Gmdrm	hypo	CHG	-0.9
Gm09	44507323	44507584	Gmdrm	hypo	CHG	-0.3613
Gm09	44534482	44534643	Gmdrm	hypo	CHG	-0.044
Gm09	44534826	44535113	Gmdrm	hypo	CHG	-0.0314
Gm09	44549790	44550155	Gmdrm	hypo	CHG	-0.36
Gm09	44550598	44550690	Gmdrm	hypo	CHG	-0.504
Gm09	44550844	44550952	Gmdrm	hypo	CHG	-0.38
Gm09	44581971	44582075	Gmdrm	hypo	CHG	-0.852
Gm09	44582655	44582837	Gmdrm	hypo	CHG	-0.945
Gm09	44595975	44596365	Gmdrm	hypo	CHG	-0.4545
Gm09	44636005	44636361	Gmdrm	hypo	CHG	-0.6975
Gm09	44639342	44639446	Gmdrm	hypo	CHG	-0.6214
Gm09	44646610	44646862	Gmdrm	hypo	CHG	-0.3654
Gm09	44653578	44653880	Gmdrm	hypo	CHG	-0.7936
Gm09	44654041	44654062	Gmdrm	hypo	CHG	-0.695
Gm09	44670984	44671096	Gmdrm	hypo	CHG	-0.038
Gm09	44671692	44671744	Gmdrm	hypo	CHG	-0.7316
Gm09	44677402	44677510	Gmdrm	hypo	CHG	-0.91
Gm09	44678038	44678183	Gmdrm	hypo	CHG	-0.9864
Gm09	44681797	44681967	Gmdrm	hypo	CHG	-0.054
Gm09	44702727	44702939	Gmdrm	hypo	CHG	-0.036
Gm09	44709457	44709658	Gmdrm	hypo	CHG	-0.0983
Gm09	44724236	44724375	Gmdrm	hypo	CHG	-0.2362

Gm09	44739871	44740049	Gmdrm	hypo	CHG	-0.0625
Gm09	44740614	44740840	Gmdrm	hypo	CHG	-0.038
Gm09	44779856	44780340	Gmdrm	hypo	CHG	-0.3209
Gm09	44783924	44784078	Gmdrm	hypo	CHG	-0.47
Gm09	44808747	44808932	Gmdrm	hypo	CHG	-0.026
Gm09	44840434	44840687	Gmdrm	hypo	CHG	-0.05
Gm09	44844083	44844315	Gmdrm	hypo	CHG	-0.0443
Gm09	44856115	44856156	Gmdrm	hypo	CHG	-0.7913
Gm09	44858498	44858546	Gmdrm	hypo	CHG	-0.9283
Gm09	44871708	44872037	Gmdrm	hypo	CHG	-0.7213
Gm09	44885436	44885810	Gmdrm	hypo	CHG	-0.1661
Gm09	44896811	44896944	Gmdrm	hypo	CHG	-0.5185
Gm09	44898530	44898622	Gmdrm	hypo	CHG	-0.8517
Gm09	44898966	44899066	Gmdrm	hypo	CHG	-0.52
Gm09	44899518	44900237	Gmdrm	hypo	CHG	-0.2678
Gm09	44905966	44906672	Gmdrm	hypo	CHG	-0.2414
Gm09	44925839	44926015	Gmdrm	hypo	CHG	-0.4401
Gm09	44926131	44926362	Gmdrm	hypo	CHG	-0.2415
Gm09	44949461	44949559	Gmdrm	hypo	CHG	-0.6109
Gm09	44949811	44950090	Gmdrm	hypo	CHG	-0.415
Gm09	44959229	44959542	Gmdrm	hypo	CHG	-0.5738
Gm09	44961465	44961862	Gmdrm	hypo	CHG	-0.8863
Gm09	44975419	44975641	Gmdrm	hypo	CHG	-0.7083
Gm09	44979190	44979697	Gmdrm	hypo	CHG	-0.7175
Gm09	44985683	44985976	Gmdrm	hypo	CHG	-0.4914
Gm09	44986360	44986549	Gmdrm	hypo	CHG	-0.5863
Gm09	45048563	45048827	Gmdrm	hypo	CHG	-0.385
Gm09	45049217	45049421	Gmdrm	hypo	CHG	-0.3944
Gm09	45081068	45081263	Gmdrm	hypo	CHG	-0.5281
Gm09	45082248	45082494	Gmdrm	hypo	CHG	-0.7766
Gm09	45082605	45082929	Gmdrm	hypo	CHG	-0.686
Gm09	45093969	45094486	Gmdrm	hypo	CHG	-0.2775
Gm09	45099641	45100016	Gmdrm	hypo	CHG	-0.1992
Gm09	45101715	45101855	Gmdrm	hypo	CHG	-0.0417
Gm09	45110193	45110437	Gmdrm	hypo	CHG	-0.0457
Gm09	45110718	45111284	Gmdrm	hypo	CHG	-0.5857
Gm09	45111434	45112109	Gmdrm	hypo	CHG	-0.3581
Gm09	45117989	45118393	Gmdrm	hypo	CHG	-0.2753
Gm09	45118523	45118951	Gmdrm	hypo	CHG	-0.351
Gm09	45126824	45127015	Gmdrm	hypo	CHG	-0.154
Gm09	45129845	45130133	Gmdrm	hypo	CHG	-0.1778
Gm09	45135461	45136206	Gmdrm	hypo	CHG	-0.6465
Gm09	45136426	45136737	Gmdrm	hypo	CHG	-0.4872
Gm09	45137932	45138238	Gmdrm	hypo	CHG	-0.5889
Gm09	45138704	45138835	Gmdrm	hypo	CHG	-0.7125
Gm09	45141853	45142018	Gmdrm	hypo	CHG	-0.592

Gm09	45146837	45146982	Gmdrm	hypo	CHG	-0.1683
Gm09	45147091	45147427	Gmdrm	hypo	CHG	-0.7163
Gm09	45147829	45148281	Gmdrm	hypo	CHG	-0.6504
Gm09	45182229	45182321	Gmdrm	hypo	CHG	-0.6462
Gm09	45182512	45182631	Gmdrm	hypo	CHG	-0.583
Gm09	45182854	45183031	Gmdrm	hypo	CHG	-0.0443
Gm09	45205755	45205848	Gmdrm	hypo	CHG	-0.4133
Gm09	45227119	45227155	Gmdrm	hypo	CHG	-0.0629
Gm09	45235216	45235355	Gmdrm	hypo	CHG	-0.04
Gm09	45235768	45235897	Gmdrm	hypo	CHG	-0.0383
Gm09	45238478	45238693	Gmdrm	hypo	CHG	-0.0614
Gm09	45260099	45260248	Gmdrm	hypo	CHG	-0.056
Gm09	45262357	45262507	Gmdrm	hypo	CHG	-0.0386
Gm09	45272835	45273133	Gmdrm	hypo	CHG	-0.3056
Gm09	45289831	45289947	Gmdrm	hypo	CHG	-0.055
Gm09	45294441	45294666	Gmdrm	hypo	CHG	-0.65
Gm09	45295356	45295402	Gmdrm	hypo	CHG	-0.82
Gm09	45295520	45295567	Gmdrm	hypo	CHG	-0.9257
Gm09	45295677	45295870	Gmdrm	hypo	CHG	-0.7209
Gm09	45304899	45305536	Gmdrm	hypo	CHG	-0.5958
Gm09	45305644	45305774	Gmdrm	hypo	CHG	-0.1
Gm09	45305893	45306543	Gmdrm	hypo	CHG	-0.829
Gm09	45320355	45320417	Gmdrm	hypo	CHG	-0.058
Gm09	45326149	45326255	Gmdrm	hypo	CHG	-0.0433
Gm09	45334260	45334366	Gmdrm	hypo	CHG	-0.7317
Gm09	45351416	45352079	Gmdrm	hypo	CHG	-0.2074
Gm09	45353117	45353497	Gmdrm	hypo	CHG	-0.0289
Gm09	45354264	45354316	Gmdrm	hypo	CHG	-0.6784
Gm09	45357027	45357111	Gmdrm	hypo	CHG	-0.6234
Gm09	45364651	45364796	Gmdrm	hypo	CHG	-0.6728
Gm09	45379803	45379836	Gmdrm	hypo	CHG	-0.294
Gm09	45380375	45380494	Gmdrm	hypo	CHG	-0.4067
Gm09	45392763	45393238	Gmdrm	hypo	CHG	-0.4497
Gm09	45393570	45393881	Gmdrm	hypo	CHG	-0.0329
Gm09	45448290	45448485	Gmdrm	hypo	CHG	-0.5014
Gm09	45449552	45449847	Gmdrm	hypo	CHG	-0.1957
Gm09	45459913	45459958	Gmdrm	hypo	CHG	-0.95
Gm09	45460834	45461222	Gmdrm	hypo	CHG	-0.643
Gm09	45466724	45466837	Gmdrm	hypo	CHG	-0.21
Gm09	45467077	45467130	Gmdrm	hypo	CHG	-0.8485
Gm09	45477257	45477430	Gmdrm	hypo	CHG	-0.702
Gm09	45486286	45486636	Gmdrm	hypo	CHG	-0.3736
Gm09	45494546	45494624	Gmdrm	hypo	CHG	-0.6729
Gm09	45494740	45494832	Gmdrm	hypo	CHG	-0.785
Gm09	45509879	45510298	Gmdrm	hypo	CHG	-0.4461
Gm09	45517865	45517987	Gmdrm	hypo	CHG	-0.0533

Gm09	45529815	45529908	Gmdrm	hypo	CHG	-0.6029
Gm09	45531587	45531774	Gmdrm	hypo	CHG	-0.6708
Gm09	45544137	45544279	Gmdrm	hypo	CHG	-0.4991
Gm09	45554792	45554946	Gmdrm	hypo	CHG	-0.046
Gm09	45560469	45560727	Gmdrm	hypo	CHG	-0.7575
Gm09	45560914	45561073	Gmdrm	hypo	CHG	-0.755
Gm09	45567447	45567790	Gmdrm	hypo	CHG	-0.04
Gm09	45588394	45588580	Gmdrm	hypo	CHG	-0.3568
Gm09	45589083	45589215	Gmdrm	hypo	CHG	-0.93
Gm09	45589776	45589874	Gmdrm	hypo	CHG	-0.5357
Gm09	45605168	45606149	Gmdrm	hypo	CHG	-0.4083
Gm09	45606172	45606307	Gmdrm	hypo	CHG	-0.8438
Gm09	45631719	45631901	Gmdrm	hypo	CHG	-0.0617
Gm09	45644390	45644578	Gmdrm	hypo	CHG	-0.6881
Gm09	45645130	45645209	Gmdrm	hypo	CHG	-0.035
Gm09	45646848	45646935	Gmdrm	hypo	CHG	-0.1572
Gm09	45647340	45647526	Gmdrm	hypo	CHG	-0.3153
Gm09	45664604	45664729	Gmdrm	hypo	CHG	-0.85
Gm09	45674094	45674243	Gmdrm	hypo	CHG	-0.643
Gm09	45688602	45688721	Gmdrm	hypo	CHG	-0.0933
Gm09	45714998	45715115	Gmdrm	hypo	CHG	-0.7466
Gm09	45715706	45715731	Gmdrm	hypo	CHG	-0.6584
Gm09	45768145	45768298	Gmdrm	hypo	CHG	-0.1813
Gm09	45799773	45799932	Gmdrm	hypo	CHG	-0.032
Gm09	45802927	45803010	Gmdrm	hypo	CHG	-0.7783
Gm09	45803416	45803604	Gmdrm	hypo	CHG	-0.7013
Gm09	45811360	45811582	Gmdrm	hypo	CHG	-0.8838
Gm09	45812921	45813159	Gmdrm	hypo	CHG	-0.7306
Gm09	45825140	45825487	Gmdrm	hypo	CHG	-0.0314
Gm09	45830800	45830908	Gmdrm	hypo	CHG	-0.2292
Gm09	45837154	45837320	Gmdrm	hypo	CHG	-0.0866
Gm09	45854140	45854387	Gmdrm	hypo	CHG	-0.0583
Gm09	45857056	45857119	Gmdrm	hypo	CHG	-0.0767
Gm09	45883884	45884247	Gmdrm	hypo	CHG	-0.4651
Gm09	45915447	45915801	Gmdrm	hypo	CHG	-0.2666
Gm09	45915926	45916117	Gmdrm	hypo	CHG	-0.5589
Gm09	45931814	45931950	Gmdrm	hypo	CHG	-0.6117
Gm09	45932165	45932364	Gmdrm	hypo	CHG	-0.6446
Gm09	45946039	45946071	Gmdrm	hypo	CHG	-0.3175
Gm09	45946186	45946219	Gmdrm	hypo	CHG	-0.2167
Gm09	45946499	45946656	Gmdrm	hypo	CHG	-0.5643
Gm09	45956604	45956715	Gmdrm	hypo	CHG	-0.034
Gm09	45978887	45979091	Gmdrm	hypo	CHG	-0.038
Gm09	45983662	45983796	Gmdrm	hypo	CHG	-0.5133
Gm09	45984654	45984722	Gmdrm	hypo	CHG	-0.22
Gm09	45989499	45989914	Gmdrm	hypo	CHG	-0.0353

Gm09	45990551	45991008	Gmdrm	hypo	CHG	-0.6796
Gm09	45996395	45996497	Gmdrm	hypo	CHG	-0.0317
Gm09	46014042	46014455	Gmdrm	hypo	CHG	-0.2421
Gm09	46016241	46016704	Gmdrm	hypo	CHG	-0.2842
Gm09	46017683	46017767	Gmdrm	hypo	CHG	-0.036
Gm09	46032061	46032243	Gmdrm	hypo	CHG	-0.87
Gm09	46037661	46037793	Gmdrm	hypo	CHG	-0.13
Gm09	46038740	46039200	Gmdrm	hypo	CHG	-0.5818
Gm09	46044804	46044997	Gmdrm	hypo	CHG	-0.044
Gm09	46105540	46105645	Gmdrm	hypo	CHG	-0.68
Gm09	46126830	46126963	Gmdrm	hypo	CHG	-0.56
Gm09	46145073	46145132	Gmdrm	hypo	CHG	-0.2183
Gm09	46151884	46152120	Gmdrm	hypo	CHG	-0.9178
Gm09	46156394	46156521	Gmdrm	hypo	CHG	-0.5483
Gm09	46166407	46166483	Gmdrm	hypo	CHG	-0.59
Gm09	46179382	46179625	Gmdrm	hypo	CHG	-0.7242
Gm09	46189579	46189932	Gmdrm	hypo	CHG	-0.09
Gm09	46190076	46190328	Gmdrm	hypo	CHG	-0.561
Gm09	46190470	46190573	Gmdrm	hypo	CHG	-0.6767
Gm09	46198152	46198521	Gmdrm	hypo	CHG	-0.1865
Gm09	46216534	46216724	Gmdrm	hypo	CHG	-0.0717
Gm09	46233761	46234029	Gmdrm	hypo	CHG	-0.075
Gm09	46250912	46251587	Gmdrm	hypo	CHG	-0.1118
Gm09	46251782	46252086	Gmdrm	hypo	CHG	-0.881
Gm09	46252204	46252343	Gmdrm	hypo	CHG	-0.534
Gm09	46255142	46255246	Gmdrm	hypo	CHG	-0.5483
Gm09	46298337	46298448	Gmdrm	hypo	CHG	-0.732
Gm09	46304393	46304541	Gmdrm	hypo	CHG	-0.0485
Gm09	46314379	46314572	Gmdrm	hypo	CHG	-0.7284
Gm09	46344900	46345210	Gmdrm	hypo	CHG	-0.5586
Gm09	46345353	46345453	Gmdrm	hypo	CHG	-0.81
Gm09	46352253	46352732	Gmdrm	hypo	CHG	-0.183
Gm09	46367051	46367426	Gmdrm	hypo	CHG	-0.5044
Gm09	46467709	46467972	Gmdrm	hypo	CHG	-0.8605
Gm09	46473363	46473494	Gmdrm	hypo	CHG	-0.0457
Gm09	46499841	46499858	Gmdrm	hypo	CHG	-0.185
Gm09	46499972	46500166	Gmdrm	hypo	CHG	-0.2767
Gm09	46509500	46509627	Gmdrm	hypo	CHG	-0.5472
Gm09	46516790	46517115	Gmdrm	hypo	CHG	-0.641
Gm09	46517632	46517693	Gmdrm	hypo	CHG	-0.5867
Gm09	46530894	46531015	Gmdrm	hypo	CHG	-0.1171
Gm09	46551421	46551471	Gmdrm	hypo	CHG	-0.468
Gm09	46551590	46551631	Gmdrm	hypo	CHG	-0.58
Gm09	46551779	46551939	Gmdrm	hypo	CHG	-0.5725
Gm09	46552199	46552351	Gmdrm	hypo	CHG	-0.695
Gm09	46553292	46553335	Gmdrm	hypo	CHG	-0.054

Gm09	46561924	46562093	Gmdrm	hypo	CHG	-0.6878
Gm09	46617610	46617877	Gmdrm	hypo	CHG	-0.3346
Gm09	46628026	46628070	Gmdrm	hypo	CHG	-0.07
Gm09	46647160	46647307	Gmdrm	hypo	CHG	-0.54
Gm09	46649521	46649633	Gmdrm	hypo	CHG	-0.4366
Gm09	46651295	46651418	Gmdrm	hypo	CHG	-0.09
Gm09	46651820	46652264	Gmdrm	hypo	CHG	-0.2005
Gm09	46652896	46653409	Gmdrm	hypo	CHG	-0.3134
Gm09	46673209	46673565	Gmdrm	hypo	CHG	-0.03
Gm09	46682056	46682167	Gmdrm	hypo	CHG	-0.5543
Gm09	46694711	46694996	Gmdrm	hypo	CHG	-0.6307
Gm09	46695723	46695802	Gmdrm	hypo	CHG	-0.4833
Gm09	46696298	46696360	Gmdrm	hypo	CHG	-0.5734
Gm09	46696486	46696622	Gmdrm	hypo	CHG	-0.7671
Gm09	46697709	46698351	Gmdrm	hypo	CHG	-0.6832
Gm09	46703394	46703442	Gmdrm	hypo	CHG	-0.288
Gm09	46703838	46704001	Gmdrm	hypo	CHG	-0.575
Gm09	46708773	46708834	Gmdrm	hypo	CHG	-0.038
Gm09	46746222	46746247	Gmdrm	hypo	CHG	-0.07
Gm09	46746356	46746598	Gmdrm	hypo	CHG	-0.1089
Gm09	46763006	46763221	Gmdrm	hypo	CHG	-0.0365
Gm09	46796226	46796375	Gmdrm	hypo	CHG	-0.89
Gm09	46798088	46798284	Gmdrm	hypo	CHG	-0.0557
Gm09	46808967	46809094	Gmdrm	hypo	CHG	-0.858
Gm09	46821983	46822028	Gmdrm	hypo	CHG	-0.066
Gm09	46822757	46822880	Gmdrm	hypo	CHG	-0.0983
Gm09	46833741	46834024	Gmdrm	hypo	CHG	-0.2253
Gm09	46834133	46834474	Gmdrm	hypo	CHG	-0.3253
Gm09	46839618	46840019	Gmdrm	hypo	CHG	-0.4156
Gm09	46849498	46849734	Gmdrm	hypo	CHG	-0.5043
Gm09	46850706	46851179	Gmdrm	hypo	CHG	-0.5245
Gm09	46862539	46862739	Gmdrm	hypo	CHG	-0.03
Gm09	46880396	46880560	Gmdrm	hypo	CHG	-0.048
Gm09	46897686	46897824	Gmdrm	hypo	CHG	-0.4467
Gm09	46907099	46907445	Gmdrm	hypo	CHG	-0.4173
Gm09	46910848	46911041	Gmdrm	hypo	CHG	-0.3375
Gm09	46916623	46917090	Gmdrm	hypo	CHG	-0.384
Gm09	46940475	46940559	Gmdrm	hypo	CHG	-0.582
Gm09	46954249	46954321	Gmdrm	hypo	CHG	-0.1967
Gm09	46954539	46954563	Gmdrm	hypo	CHG	-0.344
Gm09	46956404	46956475	Gmdrm	hypo	CHG	-0.878
Gm09	46956677	46956783	Gmdrm	hypo	CHG	-0.6117
Gm09	46959523	46959554	Gmdrm	hypo	CHG	-0.7266
Gm09	46965583	46965628	Gmdrm	hypo	CHG	-0.88
Gm09	46988194	46988541	Gmdrm	hypo	CHG	-0.5291
Gm09	46996860	46997765	Gmdrm	hypo	CHG	-0.1061

Gm09	47073871	47074609	Gmdrm	hypo	CHG	-0.1452
Gm09	47088344	47088807	Gmdrm	hypo	CHG	-0.3227
Gm09	47092551	47092631	Gmdrm	hypo	CHG	-0.64
Gm09	47098843	47099595	Gmdrm	hypo	CHG	-0.1288
Gm09	47103342	47103589	Gmdrm	hypo	CHG	-0.05
Gm09	47110558	47110880	Gmdrm	hypo	CHG	-0.0222
Gm09	47118639	47118937	Gmdrm	hypo	CHG	-0.065
Gm09	47140268	47140377	Gmdrm	hypo	CHG	-0.05
Gm09	47141669	47141817	Gmdrm	hypo	CHG	-0.032
Gm09	47179083	47179180	Gmdrm	hypo	CHG	-0.076
Gm09	47204476	47204677	Gmdrm	hypo	CHG	-0.058
Gm09	47205388	47205695	Gmdrm	hypo	CHG	-0.8213
Gm09	47209036	47209271	Gmdrm	hypo	CHG	-0.2567
Gm09	47237485	47237623	Gmdrm	hypo	CHG	-0.7263
Gm09	47247861	47248381	Gmdrm	hypo	CHG	-0.7231
Gm09	47251833	47252004	Gmdrm	hypo	CHG	-0.345
Gm09	47257325	47257500	Gmdrm	hypo	CHG	-0.0528
Gm09	47257725	47258051	Gmdrm	hypo	CHG	-0.7326
Gm09	47280466	47280543	Gmdrm	hypo	CHG	-0.086
Gm09	47289099	47289161	Gmdrm	hypo	CHG	-0.593
Gm09	47321246	47321321	Gmdrm	hypo	CHG	-0.032
Gm09	47330796	47330872	Gmdrm	hypo	CHG	-0.594
Gm09	47348939	47349033	Gmdrm	hypo	CHG	-0.78
Gm09	47382238	47382421	Gmdrm	hypo	CHG	-0.6463
Gm09	47382862	47382965	Gmdrm	hypo	CHG	-0.576
Gm09	47400512	47400570	Gmdrm	hypo	CHG	-0.692
Gm09	47418256	47418363	Gmdrm	hypo	CHG	-0.542
Gm09	47424667	47424755	Gmdrm	hypo	CHG	-0.674
Gm09	47452514	47452796	Gmdrm	hypo	CHG	-0.0612
Gm09	47457131	47457186	Gmdrm	hypo	CHG	-0.3651
Gm09	47459675	47459771	Gmdrm	hypo	CHG	-0.595
Gm09	47463823	47463994	Gmdrm	hypo	CHG	-0.257
Gm09	47464347	47464455	Gmdrm	hypo	CHG	-0.1437
Gm09	47481683	47481878	Gmdrm	hypo	CHG	-0.4525
Gm09	47482605	47482841	Gmdrm	hypo	CHG	-0.6185
Gm09	47488564	47488918	Gmdrm	hypo	CHG	-0.34
Gm09	47510887	47510937	Gmdrm	hypo	CHG	-0.1643
Gm09	47543888	47544057	Gmdrm	hypo	CHG	-0.6529
Gm09	47549925	47550080	Gmdrm	hypo	CHG	-0.8143
Gm09	47568411	47568614	Gmdrm	hypo	CHG	-0.8473
Gm09	47569446	47569692	Gmdrm	hypo	CHG	-0.4934
Gm09	47605379	47605607	Gmdrm	hypo	CHG	-0.04
Gm09	47614520	47614687	Gmdrm	hypo	CHG	-0.712
Gm09	47623308	47623515	Gmdrm	hypo	CHG	-0.0425
Gm09	47627807	47627970	Gmdrm	hypo	CHG	-0.872
Gm09	47636945	47637169	Gmdrm	hypo	CHG	-0.29

Gm09	47643352	47643614	Gmdrm	hypo	CHG	-0.0729
Gm09	47664637	47664735	Gmdrm	hypo	CHG	-0.2986
Gm09	47665255	47665487	Gmdrm	hypo	CHG	-0.2622
Gm09	47665761	47665992	Gmdrm	hypo	CHG	-0.5972
Gm09	47680556	47680656	Gmdrm	hypo	CHG	-0.79
Gm09	47680794	47681008	Gmdrm	hypo	CHG	-0.4365
Gm09	47681123	47681352	Gmdrm	hypo	CHG	-0.4266
Gm09	47681461	47681598	Gmdrm	hypo	CHG	-0.4614
Gm09	47682207	47682306	Gmdrm	hypo	CHG	-0.64
Gm09	47688578	47689088	Gmdrm	hypo	CHG	-0.0342
Gm09	47692223	47692423	Gmdrm	hypo	CHG	-0.6743
Gm09	47703892	47703969	Gmdrm	hypo	CHG	-0.3717
Gm09	47709661	47709821	Gmdrm	hypo	CHG	-0.6964
Gm09	47785228	47785413	Gmdrm	hypo	CHG	-0.098
Gm09	47800106	47800256	Gmdrm	hypo	CHG	-0.5475
Gm09	47809047	47809153	Gmdrm	hypo	CHG	-0.036
Gm09	47812592	47812689	Gmdrm	hypo	CHG	-0.69
Gm09	47813133	47813583	Gmdrm	hypo	CHG	-0.6585
Gm09	47813693	47813845	Gmdrm	hypo	CHG	-0.6316
Gm09	47822168	47822223	Gmdrm	hypo	CHG	-0.505
Gm09	47822332	47822351	Gmdrm	hypo	CHG	-0.1733
Gm09	47835908	47835934	Gmdrm	hypo	CHG	-0.17
Gm09	47840870	47841079	Gmdrm	hypo	CHG	-0.27
Gm09	47855138	47855612	Gmdrm	hypo	CHG	-0.3569
Gm09	47855919	47856215	Gmdrm	hypo	CHG	-0.1832
Gm09	47881351	47881433	Gmdrm	hypo	CHG	-0.7384
Gm09	47914184	47914531	Gmdrm	hypo	CHG	-0.0541
Gm09	47933954	47934181	Gmdrm	hypo	CHG	-0.2183
Gm09	47934293	47934437	Gmdrm	hypo	CHG	-0.2251
Gm09	47952472	47952614	Gmdrm	hypo	CHG	-0.698
Gm09	47976207	47976424	Gmdrm	hypo	CHG	-0.6917
Gm09	47985429	47985555	Gmdrm	hypo	CHG	-0.608
Gm09	47985694	47985878	Gmdrm	hypo	CHG	-0.4043
Gm09	48025869	48026139	Gmdrm	hypo	CHG	-0.0667
Gm09	48044380	48044559	Gmdrm	hypo	CHG	-0.148
Gm09	48045113	48045214	Gmdrm	hypo	CHG	-0.1184
Gm09	48053052	48053146	Gmdrm	hypo	CHG	-0.8962
Gm09	48070541	48070709	Gmdrm	hypo	CHG	-0.06
Gm09	48078220	48078356	Gmdrm	hypo	CHG	-0.7178
Gm09	48078483	48078690	Gmdrm	hypo	CHG	-0.6631
Gm09	48101522	48101584	Gmdrm	hypo	CHG	-0.8578
Gm09	48107042	48107068	Gmdrm	hypo	CHG	-0.3433
Gm09	48115422	48115671	Gmdrm	hypo	CHG	-0.743
Gm09	48116131	48116209	Gmdrm	hypo	CHG	-0.82
Gm09	48116345	48116371	Gmdrm	hypo	CHG	-0.802
Gm09	48122527	48122751	Gmdrm	hypo	CHG	-0.0271

Gm09	48124802	48124971	Gmdrm	hypo	CHG	-0.88
Gm09	48125158	48125318	Gmdrm	hypo	CHG	-0.5033
Gm09	48131122	48131141	Gmdrm	hypo	CHG	-0.686
Gm09	48145279	48145365	Gmdrm	hypo	CHG	-0.045
Gm09	48165423	48165706	Gmdrm	hypo	CHG	-0.4617
Gm09	48190109	48190331	Gmdrm	hypo	CHG	-0.56
Gm09	48226385	48226711	Gmdrm	hypo	CHG	-0.591
Gm09	48227263	48227400	Gmdrm	hypo	CHG	-0.06
Gm09	48229438	48229670	Gmdrm	hypo	CHG	-0.7944
Gm09	48245013	48245290	Gmdrm	hypo	CHG	-0.1458
Gm09	48269621	48269848	Gmdrm	hypo	CHG	-0.898
Gm09	48299800	48300079	Gmdrm	hypo	CHG	-0.1636
Gm09	48308831	48309116	Gmdrm	hypo	CHG	-0.0472
Gm09	48326427	48326532	Gmdrm	hypo	CHG	-0.6214
Gm09	48331512	48331752	Gmdrm	hypo	CHG	-0.5627
Gm09	48337257	48337426	Gmdrm	hypo	CHG	-0.058
Gm09	48339229	48339404	Gmdrm	hypo	CHG	-0.04
Gm09	48342452	48342530	Gmdrm	hypo	CHG	-0.668
Gm09	48343486	48343742	Gmdrm	hypo	CHG	-0.052
Gm09	48347147	48347520	Gmdrm	hypo	CHG	-0.0379
Gm09	48349493	48349585	Gmdrm	hypo	CHG	-0.6629
Gm09	48391731	48391845	Gmdrm	hypo	CHG	-0.046
Gm09	48405441	48405637	Gmdrm	hypo	CHG	-0.89
Gm09	48405906	48405935	Gmdrm	hypo	CHG	-0.82
Gm09	48406091	48406510	Gmdrm	hypo	CHG	-0.3
Gm09	48415350	48415517	Gmdrm	hypo	CHG	-0.0488
Gm09	48440346	48440515	Gmdrm	hypo	CHG	-0.0357
Gm09	48451681	48451832	Gmdrm	hypo	CHG	-0.046
Gm09	48474024	48474191	Gmdrm	hypo	CHG	-0.036
Gm09	48479005	48479126	Gmdrm	hypo	CHG	-0.2128
Gm09	48480351	48480517	Gmdrm	hypo	CHG	-0.4489
Gm09	48480837	48481046	Gmdrm	hypo	CHG	-0.31
Gm09	48507866	48508225	Gmdrm	hypo	CHG	-0.5231
Gm09	48508538	48509089	Gmdrm	hypo	CHG	-0.5174
Gm09	48550897	48551032	Gmdrm	hypo	CHG	-0.6617
Gm09	48553313	48553486	Gmdrm	hypo	CHG	-0.105
Gm09	48571901	48572020	Gmdrm	hypo	CHG	-0.3978
Gm09	48590316	48590344	Gmdrm	hypo	CHG	-0.158
Gm09	48645882	48646230	Gmdrm	hypo	CHG	-0.2134
Gm09	48667805	48667975	Gmdrm	hypo	CHG	-0.1433
Gm09	48693984	48694399	Gmdrm	hypo	CHG	-0.3032
Gm09	48733536	48733766	Gmdrm	hypo	CHG	-0.4428
Gm09	48743219	48743602	Gmdrm	hypo	CHG	-0.4046
Gm09	48747204	48747449	Gmdrm	hypo	CHG	-0.4366
Gm09	48747965	48748214	Gmdrm	hypo	CHG	-0.6642
Gm09	48755418	48755984	Gmdrm	hypo	CHG	-0.2421

Gm09	48756109	48756251	Gmdrm	hypo	CHG	-0.5716
Gm09	48765749	48765876	Gmdrm	hypo	CHG	-0.526
Gm09	48769508	48769582	Gmdrm	hypo	CHG	-0.675
Gm09	48769684	48769773	Gmdrm	hypo	CHG	-0.6683
Gm09	48769976	48770207	Gmdrm	hypo	CHG	-0.4233
Gm09	48781742	48781805	Gmdrm	hypo	CHG	-0.1822
Gm09	48798586	48799045	Gmdrm	hypo	CHG	-0.359
Gm09	48806081	48806452	Gmdrm	hypo	CHG	-0.07
Gm09	48818812	48818834	Gmdrm	hypo	CHG	-0.04
Gm09	48819138	48819287	Gmdrm	hypo	CHG	-0.036
Gm09	48819474	48819713	Gmdrm	hypo	CHG	-0.6482
Gm09	48820126	48820258	Gmdrm	hypo	CHG	-0.8777
Gm09	48821153	48821240	Gmdrm	hypo	CHG	-0.074
Gm09	48834434	48834536	Gmdrm	hypo	CHG	-0.51
Gm09	48834658	48834773	Gmdrm	hypo	CHG	-0.929
Gm09	48835397	48835572	Gmdrm	hypo	CHG	-0.5593
Gm09	48839612	48839946	Gmdrm	hypo	CHG	-0.6453
Gm09	48840064	48840119	Gmdrm	hypo	CHG	-0.836
Gm09	48840433	48840639	Gmdrm	hypo	CHG	-0.5491
Gm09	48845077	48845963	Gmdrm	hypo	CHG	-0.2991
Gm09	48852559	48852945	Gmdrm	hypo	CHG	-0.5247
Gm09	48853124	48853421	Gmdrm	hypo	CHG	-0.7305
Gm09	48853534	48853708	Gmdrm	hypo	CHG	-0.6572
Gm09	48861339	48861385	Gmdrm	hypo	CHG	-0.124
Gm09	48873864	48874715	Gmdrm	hypo	CHG	-0.1126
Gm09	48874839	48875286	Gmdrm	hypo	CHG	-0.4396
Gm09	48883927	48884151	Gmdrm	hypo	CHG	-0.2622
Gm09	48892839	48893594	Gmdrm	hypo	CHG	-0.0496
Gm09	48897239	48897461	Gmdrm	hypo	CHG	-0.05
Gm09	48903624	48903751	Gmdrm	hypo	CHG	-0.1143
Gm09	48905400	48905616	Gmdrm	hypo	CHG	-0.0436
Gm09	48954892	48955351	Gmdrm	hypo	CHG	-0.4475
Gm09	48960569	48960809	Gmdrm	hypo	CHG	-0.035
Gm09	48991763	48992317	Gmdrm	hypo	CHG	-0.0326
Gm09	49016333	49016513	Gmdrm	hypo	CHG	-0.0317
Gm09	49076276	49076540	Gmdrm	hypo	CHG	-0.3653
Gm09	49077062	49077129	Gmdrm	hypo	CHG	-0.732
Gm09	49077735	49078091	Gmdrm	hypo	CHG	-0.47
Gm09	49123620	49123984	Gmdrm	hypo	CHG	-0.831
Gm09	49124566	49124798	Gmdrm	hypo	CHG	-0.778
Gm09	49173969	49174095	Gmdrm	hypo	CHG	-0.3467
Gm09	49177245	49177377	Gmdrm	hypo	CHG	-0.2571
Gm09	49177682	49177954	Gmdrm	hypo	CHG	-0.66
Gm09	49192769	49192929	Gmdrm	hypo	CHG	-0.024
Gm09	49213239	49213595	Gmdrm	hypo	CHG	-0.29
Gm09	49225788	49226095	Gmdrm	hypo	CHG	-0.0462

Gm09	49230236	49230359	Gmdrm	hypo	CHG	-0.0557
Gm09	49233227	49233471	Gmdrm	hypo	CHG	-0.0487
Gm09	49257134	49257197	Gmdrm	hypo	CHG	-0.2714
Gm09	49280820	49280965	Gmdrm	hypo	CHG	-0.0638
Gm09	49313664	49313768	Gmdrm	hypo	CHG	-0.6625
Gm09	49318834	49319241	Gmdrm	hypo	CHG	-0.049
Gm09	49329484	49329664	Gmdrm	hypo	CHG	-0.715
Gm09	49330220	49330307	Gmdrm	hypo	CHG	-0.484
Gm09	49330421	49330555	Gmdrm	hypo	CHG	-0.496
Gm09	49365814	49365992	Gmdrm	hypo	CHG	-0.7015
Gm09	49366427	49366776	Gmdrm	hypo	CHG	-0.526
Gm09	49377844	49378005	Gmdrm	hypo	CHG	-0.0425
Gm09	49381166	49381260	Gmdrm	hypo	CHG	-0.056
Gm09	49391941	49392045	Gmdrm	hypo	CHG	-0.0343
Gm09	49395816	49396079	Gmdrm	hypo	CHG	-0.12
Gm09	49466387	49466736	Gmdrm	hypo	CHG	-0.0456
Gm09	49480337	49480427	Gmdrm	hypo	CHG	-0.5678
Gm09	49480553	49480629	Gmdrm	hypo	CHG	-0.044
Gm09	49507310	49507961	Gmdrm	hypo	CHG	-0.27
Gm09	49508161	49508543	Gmdrm	hypo	CHG	-0.3283
Gm09	49520948	49521152	Gmdrm	hypo	CHG	-0.0314
Gm09	49557718	49558178	Gmdrm	hypo	CHG	-0.041
Gm09	49560932	49561102	Gmdrm	hypo	CHG	-0.88
Gm09	49580444	49580773	Gmdrm	hypo	CHG	-0.0658
Gm09	49589965	49590233	Gmdrm	hypo	CHG	-0.24
Gm09	49591004	49591271	Gmdrm	hypo	CHG	-0.7426
Gm09	49632672	49632894	Gmdrm	hypo	CHG	-0.5754
Gm09	49633139	49633338	Gmdrm	hypo	CHG	-0.6389
Gm09	49664072	49664462	Gmdrm	hypo	CHG	-0.3117
Gm09	49664771	49664897	Gmdrm	hypo	CHG	-0.3
Gm09	49669306	49669435	Gmdrm	hypo	CHG	-0.1278
Gm09	49670000	49670189	Gmdrm	hypo	CHG	-0.0472
Gm09	49676073	49676279	Gmdrm	hypo	CHG	-0.0367
Gm09	49693670	49693726	Gmdrm	hypo	CHG	-0.65
Gm09	49706157	49706324	Gmdrm	hypo	CHG	-0.114
Gm09	49728451	49728538	Gmdrm	hypo	CHG	-0.632
Gm09	49728665	49728707	Gmdrm	hypo	CHG	-0.81
Gm09	49735386	49735476	Gmdrm	hypo	CHG	-0.032
Gm09	49744533	49744700	Gmdrm	hypo	CHG	-0.034
Gm09	49760968	49761089	Gmdrm	hypo	CHG	-0.034
Gm09	49764863	49765045	Gmdrm	hypo	CHG	-0.4562
Gm09	49773700	49773764	Gmdrm	hypo	CHG	-0.06
Gm09	49792931	49793056	Gmdrm	hypo	CHG	-0.858
Gm09	49793466	49793581	Gmdrm	hypo	CHG	-0.412
Gm09	49817037	49817249	Gmdrm	hypo	CHG	-0.3812
Gm09	49834380	49834583	Gmdrm	hypo	CHG	-0.9277

Gm09	49852139	49852214	Gmdrm	hypo	CHG	-0.0667
Gm09	49883666	49884020	Gmdrm	hypo	CHG	-0.0275
Gm09	49888126	49888209	Gmdrm	hypo	CHG	-0.9263
Gm09	49893706	49893785	Gmdrm	hypo	CHG	-0.32
Gm09	49925402	49925619	Gmdrm	hypo	CHG	-0.3091
Gm09	49926240	49926462	Gmdrm	hypo	CHG	-0.6133
Gm09	49936422	49936570	Gmdrm	hypo	CHG	-0.9567
Gm09	49943526	49943672	Gmdrm	hypo	CHG	-0.8519
Gm09	49954963	49955083	Gmdrm	hypo	CHG	-0.0888
Gm09	49955853	49956192	Gmdrm	hypo	CHG	-0.2131
Gm09	49961636	49961972	Gmdrm	hypo	CHG	-0.7411
Gm09	49964728	49964838	Gmdrm	hypo	CHG	-0.028
Gm09	49983874	49983902	Gmdrm	hypo	CHG	-0.8075
Gm09	49986637	49986713	Gmdrm	hypo	CHG	-0.63
Gm09	50008612	50008777	Gmdrm	hypo	CHG	-0.38
Gm09	50008881	50009097	Gmdrm	hypo	CHG	-0.565
Gm09	50028235	50028427	Gmdrm	hypo	CHG	-0.2716
Gm09	50034284	50034686	Gmdrm	hypo	CHG	-0.2288
Gm09	50039864	50039987	Gmdrm	hypo	CHG	-0.314
Gm09	50053533	50053719	Gmdrm	hypo	CHG	-0.5733
Gm09	50057014	50057300	Gmdrm	hypo	CHG	-0.1157
Gm09	50057407	50057553	Gmdrm	hypo	CHG	-0.294
Gm09	50065210	50065303	Gmdrm	hypo	CHG	-0.0275
Gm09	50087285	50087426	Gmdrm	hypo	CHG	-0.7934
Gm09	50095098	50095263	Gmdrm	hypo	CHG	-0.0543
Gm09	50097861	50097998	Gmdrm	hypo	CHG	-0.2872
Gm09	50108461	50108629	Gmdrm	hypo	CHG	-0.215
Gm09	50118804	50118988	Gmdrm	hypo	CHG	-0.848
Gm09	50126281	50126393	Gmdrm	hypo	CHG	-0.4384
Gm09	50142315	50142510	Gmdrm	hypo	CHG	-0.03
Gm09	50145233	50145360	Gmdrm	hypo	CHG	-0.54
Gm09	50145800	50146004	Gmdrm	hypo	CHG	-0.315
Gm09	50167366	50167631	Gmdrm	hypo	CHG	-0.0508
Gm09	50182849	50182904	Gmdrm	hypo	CHG	-0.534
Gm09	50185532	50185869	Gmdrm	hypo	CHG	-0.4064
Gm09	50240032	50240235	Gmdrm	hypo	CHG	-0.5383
Gm09	50240675	50240967	Gmdrm	hypo	CHG	-0.694
Gm09	50254049	50254274	Gmdrm	hypo	CHG	-0.038
Gm09	50269600	50269654	Gmdrm	hypo	CHG	-0.8317
Gm09	50314409	50314423	Gmdrm	hypo	CHG	-0.2034
Gm09	50315869	50316055	Gmdrm	hypo	CHG	-0.4791
Gm09	50316481	50316607	Gmdrm	hypo	CHG	-0.548
Gm09	50341965	50342146	Gmdrm	hypo	CHG	-0.3807
Gm09	50360818	50361376	Gmdrm	hypo	CHG	-0.3938
Gm09	50366359	50366724	Gmdrm	hypo	CHG	-0.5107
Gm09	50368899	50369093	Gmdrm	hypo	CHG	-0.57

Gm09	50376477	50376857	Gmdrm	hypo	CHG	-0.0313
Gm09	50401631	50401780	Gmdrm	hypo	CHG	-0.0386
Gm09	50429451	50429617	Gmdrm	hypo	CHG	-0.6111
Gm09	50449458	50449577	Gmdrm	hypo	CHG	-0.036
Gm09	50450151	50450261	Gmdrm	hypo	CHG	-0.4983
Gm09	50458400	50458628	Gmdrm	hypo	CHG	-0.5411
Gm09	50469435	50469715	Gmdrm	hypo	CHG	-0.0413
Gm09	50480868	50480910	Gmdrm	hypo	CHG	-0.5633
Gm09	50481444	50481571	Gmdrm	hypo	CHG	-0.194
Gm09	50501619	50501683	Gmdrm	hypo	CHG	-0.612
Gm09	50511349	50511496	Gmdrm	hypo	CHG	-0.8314
Gm09	50513722	50513845	Gmdrm	hypo	CHG	-0.6625
Gm09	50520967	50521391	Gmdrm	hypo	CHG	-0.3731
Gm09	50532081	50532298	Gmdrm	hypo	CHG	-0.3352
Gm09	50543406	50543631	Gmdrm	hypo	CHG	-0.8412
Gm09	50544522	50544687	Gmdrm	hypo	CHG	-0.718
Gm09	50550926	50551288	Gmdrm	hypo	CHG	-0.1944
Gm09	50551564	50551867	Gmdrm	hypo	CHG	-0.3917
Gm09	50559611	50559745	Gmdrm	hypo	CHG	-0.287
Gm09	50565260	50565561	Gmdrm	hypo	CHG	-0.066
Gm09	50567126	50567286	Gmdrm	hypo	CHG	-0.3509
Gm09	50567772	50568220	Gmdrm	hypo	CHG	-0.5964
Gm09	50568757	50569039	Gmdrm	hypo	CHG	-0.06
Gm09	50570247	50570768	Gmdrm	hypo	CHG	-0.18
Gm09	50570875	50571449	Gmdrm	hypo	CHG	-0.2427
Gm09_scaffo	15796	15847	Gmdrm	hypo	CHG	-0.3025
Gm09_scaffo	15988	16120	Gmdrm	hypo	CHG	-0.31
Gm09_scaffo	23623	23749	Gmdrm	hypo	CHG	-0.555
Gm09_scaffo	25811	25958	Gmdrm	hypo	CHG	-0.389
Gm09_scaffo	28318	28377	Gmdrm	hypo	CHG	-0.6067
Gm09_scaffo	28670	29062	Gmdrm	hypo	CHG	-0.854
Gm09_scaffo	29315	29366	Gmdrm	hypo	CHG	-0.764
Gm09_scaffo	29630	29834	Gmdrm	hypo	CHG	-0.67
Gm09_scaffo	29959	30066	Gmdrm	hypo	CHG	-0.8667
Gm09_scaffo	35279	35458	Gmdrm	hypo	CHG	-0.56
Gm09_scaffo	37802	38013	Gmdrm	hypo	CHG	-0.0358
Gm10	10658	10725	Gmdrm	hypo	CHG	-0.8514
Gm10	17196	17594	Gmdrm	hypo	CHG	-0.0933
Gm10	32735	32829	Gmdrm	hypo	CHG	-0.542
Gm10	50815	50969	Gmdrm	hypo	CHG	-0.5357
Gm10	58345	58594	Gmdrm	hypo	CHG	-0.0582
Gm10	62023	62324	Gmdrm	hypo	CHG	-0.2307
Gm10	110508	110735	Gmdrm	hypo	CHG	-0.2837
Gm10	111744	112027	Gmdrm	hypo	CHG	-0.0406
Gm10	113024	113158	Gmdrm	hypo	CHG	-0.0443
Gm10	146206	146438	Gmdrm	hypo	CHG	-0.7509

Gm10	147428	147733	Gmdrm	hypo	CHG	-0.0811
Gm10	149074	149240	Gmdrm	hypo	CHG	-0.7743
Gm10	149343	149450	Gmdrm	hypo	CHG	-0.79
Gm10	149927	150447	Gmdrm	hypo	CHG	-0.6361
Gm10	155318	155433	Gmdrm	hypo	CHG	-0.62
Gm10	190834	190969	Gmdrm	hypo	CHG	-0.555
Gm10	191071	191174	Gmdrm	hypo	CHG	-0.3666
Gm10	200976	201098	Gmdrm	hypo	CHG	-0.544
Gm10	208142	208312	Gmdrm	hypo	CHG	-0.4838
Gm10	208713	208762	Gmdrm	hypo	CHG	-0.4767
Gm10	210747	210883	Gmdrm	hypo	CHG	-0.0433
Gm10	226855	226987	Gmdrm	hypo	CHG	-0.066
Gm10	266649	266769	Gmdrm	hypo	CHG	-0.7466
Gm10	266909	266978	Gmdrm	hypo	CHG	-0.4686
Gm10	269076	269129	Gmdrm	hypo	CHG	-0.058
Gm10	274758	274946	Gmdrm	hypo	CHG	-0.5586
Gm10	327656	328059	Gmdrm	hypo	CHG	-0.0275
Gm10	343452	343478	Gmdrm	hypo	CHG	-0.248
Gm10	350134	350287	Gmdrm	hypo	CHG	-0.4814
Gm10	353949	354276	Gmdrm	hypo	CHG	-0.5481
Gm10	358796	358989	Gmdrm	hypo	CHG	-0.038
Gm10	388647	388846	Gmdrm	hypo	CHG	-0.0317
Gm10	405216	405324	Gmdrm	hypo	CHG	-0.0612
Gm10	410055	410269	Gmdrm	hypo	CHG	-0.317
Gm10	410447	410500	Gmdrm	hypo	CHG	-0.365
Gm10	430427	430516	Gmdrm	hypo	CHG	-0.5666
Gm10	434523	434642	Gmdrm	hypo	CHG	-0.042
Gm10	438963	439214	Gmdrm	hypo	CHG	-0.4017
Gm10	446907	447159	Gmdrm	hypo	CHG	-0.452
Gm10	451351	451464	Gmdrm	hypo	CHG	-0.6183
Gm10	460827	461007	Gmdrm	hypo	CHG	-0.0417
Gm10	506130	506393	Gmdrm	hypo	CHG	-0.0443
Gm10	508525	508806	Gmdrm	hypo	CHG	-0.052
Gm10	533514	533706	Gmdrm	hypo	CHG	-0.5573
Gm10	564582	564711	Gmdrm	hypo	CHG	-0.0517
Gm10	583191	583338	Gmdrm	hypo	CHG	-0.035
Gm10	588392	588530	Gmdrm	hypo	CHG	-0.046
Gm10	591260	591331	Gmdrm	hypo	CHG	-0.467
Gm10	591582	591732	Gmdrm	hypo	CHG	-0.4618
Gm10	601678	601807	Gmdrm	hypo	CHG	-0.2962
Gm10	623495	624189	Gmdrm	hypo	CHG	-0.2334
Gm10	642289	642637	Gmdrm	hypo	CHG	-0.507
Gm10	645481	645818	Gmdrm	hypo	CHG	-0.4141
Gm10	652776	652888	Gmdrm	hypo	CHG	-0.6433
Gm10	679975	680075	Gmdrm	hypo	CHG	-0.028
Gm10	682989	683325	Gmdrm	hypo	CHG	-0.1009

Gm10	686618	686785	Gmdrm	hypo	CHG	-0.0317
Gm10	698958	699014	Gmdrm	hypo	CHG	-0.59
Gm10	708985	709114	Gmdrm	hypo	CHG	-0.6333
Gm10	732251	732684	Gmdrm	hypo	CHG	-0.0956
Gm10	752374	752506	Gmdrm	hypo	CHG	-0.04
Gm10	756149	756417	Gmdrm	hypo	CHG	-0.0416
Gm10	781720	781752	Gmdrm	hypo	CHG	-0.0717
Gm10	782059	782195	Gmdrm	hypo	CHG	-0.2325
Gm10	808914	809019	Gmdrm	hypo	CHG	-0.42
Gm10	809249	809427	Gmdrm	hypo	CHG	-0.418
Gm10	809642	809947	Gmdrm	hypo	CHG	-0.5764
Gm10	820033	820169	Gmdrm	hypo	CHG	-0.6562
Gm10	820640	820694	Gmdrm	hypo	CHG	-0.46
Gm10	820824	820970	Gmdrm	hypo	CHG	-0.5588
Gm10	826949	827124	Gmdrm	hypo	CHG	-0.5656
Gm10	844756	845211	Gmdrm	hypo	CHG	-0.2055
Gm10	869659	869716	Gmdrm	hypo	CHG	-0.648
Gm10	871113	871294	Gmdrm	hypo	CHG	-0.8672
Gm10	907364	907396	Gmdrm	hypo	CHG	-0.596
Gm10	927576	927699	Gmdrm	hypo	CHG	-0.0422
Gm10	940033	940127	Gmdrm	hypo	CHG	-0.068
Gm10	950787	951116	Gmdrm	hypo	CHG	-0.6813
Gm10	958344	958461	Gmdrm	hypo	CHG	-0.5967
Gm10	958722	958946	Gmdrm	hypo	CHG	-0.799
Gm10	973274	973334	Gmdrm	hypo	CHG	-0.8117
Gm10	988772	988844	Gmdrm	hypo	CHG	-0.335
Gm10	1018801	1018920	Gmdrm	hypo	CHG	-0.7489
Gm10	1019025	1019350	Gmdrm	hypo	CHG	-0.8135
Gm10	1044515	1044744	Gmdrm	hypo	CHG	-0.7192
Gm10	1047641	1047766	Gmdrm	hypo	CHG	-0.7662
Gm10	1049702	1049756	Gmdrm	hypo	CHG	-0.4816
Gm10	1056653	1056865	Gmdrm	hypo	CHG	-0.6571
Gm10	1058075	1058142	Gmdrm	hypo	CHG	-0.43
Gm10	1059171	1059401	Gmdrm	hypo	CHG	-0.3156
Gm10	1059586	1059684	Gmdrm	hypo	CHG	-0.45
Gm10	1071052	1071225	Gmdrm	hypo	CHG	-0.6245
Gm10	1089578	1089768	Gmdrm	hypo	CHG	-0.165
Gm10	1092030	1092268	Gmdrm	hypo	CHG	-0.331
Gm10	1104995	1105169	Gmdrm	hypo	CHG	-0.7575
Gm10	1107175	1107395	Gmdrm	hypo	CHG	-0.0743
Gm10	1107705	1108024	Gmdrm	hypo	CHG	-0.0334
Gm10	1110358	1110647	Gmdrm	hypo	CHG	-0.148
Gm10	1116356	1116510	Gmdrm	hypo	CHG	-0.6583
Gm10	1136632	1137053	Gmdrm	hypo	CHG	-0.4092
Gm10	1148152	1149149	Gmdrm	hypo	CHG	-0.1151
Gm10	1164983	1165269	Gmdrm	hypo	CHG	-0.4569

Gm10	1166117	1166309	Gmdrm	hypo	CHG	-0.4875
Gm10	1170166	1170328	Gmdrm	hypo	CHG	-0.6064
Gm10	1170533	1170645	Gmdrm	hypo	CHG	-0.73
Gm10	1171652	1171722	Gmdrm	hypo	CHG	-0.264
Gm10	1188404	1188538	Gmdrm	hypo	CHG	-0.7346
Gm10	1188718	1189015	Gmdrm	hypo	CHG	-0.4843
Gm10	1197838	1197960	Gmdrm	hypo	CHG	-0.042
Gm10	1254147	1254339	Gmdrm	hypo	CHG	-0.5623
Gm10	1254670	1255072	Gmdrm	hypo	CHG	-0.403
Gm10	1273715	1273941	Gmdrm	hypo	CHG	-0.2331
Gm10	1274472	1274970	Gmdrm	hypo	CHG	-0.0267
Gm10	1279833	1279924	Gmdrm	hypo	CHG	-0.05
Gm10	1313434	1313494	Gmdrm	hypo	CHG	-0.132
Gm10	1313595	1313677	Gmdrm	hypo	CHG	-0.09
Gm10	1315127	1315399	Gmdrm	hypo	CHG	-0.05
Gm10	1364538	1364664	Gmdrm	hypo	CHG	-0.8595
Gm10	1386254	1386344	Gmdrm	hypo	CHG	-0.4317
Gm10	1408880	1409342	Gmdrm	hypo	CHG	-0.3735
Gm10	1409466	1409598	Gmdrm	hypo	CHG	-0.3
Gm10	1409918	1409995	Gmdrm	hypo	CHG	-0.5236
Gm10	1424619	1424800	Gmdrm	hypo	CHG	-0.4719
Gm10	1454521	1454761	Gmdrm	hypo	CHG	-0.0278
Gm10	1455481	1455691	Gmdrm	hypo	CHG	-0.042
Gm10	1470846	1471184	Gmdrm	hypo	CHG	-0.7512
Gm10	1471472	1471596	Gmdrm	hypo	CHG	-0.902
Gm10	1476349	1476484	Gmdrm	hypo	CHG	-0.04
Gm10	1478068	1478287	Gmdrm	hypo	CHG	-0.5227
Gm10	1480161	1480247	Gmdrm	hypo	CHG	-0.0883
Gm10	1496787	1496983	Gmdrm	hypo	CHG	-0.0633
Gm10	1500401	1500721	Gmdrm	hypo	CHG	-0.2235
Gm10	1512438	1512716	Gmdrm	hypo	CHG	-0.04
Gm10	1533405	1533508	Gmdrm	hypo	CHG	-0.042
Gm10	1540608	1540701	Gmdrm	hypo	CHG	-0.0457
Gm10	1549217	1549336	Gmdrm	hypo	CHG	-0.7187
Gm10	1556936	1557290	Gmdrm	hypo	CHG	-0.0438
Gm10	1558500	1558764	Gmdrm	hypo	CHG	-0.1228
Gm10	1558890	1559258	Gmdrm	hypo	CHG	-0.2924
Gm10	1559672	1559778	Gmdrm	hypo	CHG	-0.2289
Gm10	1575880	1576122	Gmdrm	hypo	CHG	-0.0383
Gm10	1581032	1581066	Gmdrm	hypo	CHG	-0.806
Gm10	1581577	1581654	Gmdrm	hypo	CHG	-0.432
Gm10	1583561	1583899	Gmdrm	hypo	CHG	-0.037
Gm10	1587350	1587486	Gmdrm	hypo	CHG	-0.0959
Gm10	1597422	1597873	Gmdrm	hypo	CHG	-0.6653
Gm10	1606498	1606816	Gmdrm	hypo	CHG	-0.0433
Gm10	1608992	1609104	Gmdrm	hypo	CHG	-0.046

Gm10	1658507	1659160	Gmdrm	hypo	CHG	-0.0293
Gm10	1661594	1661777	Gmdrm	hypo	CHG	-0.06
Gm10	1693164	1693270	Gmdrm	hypo	CHG	-0.332
Gm10	1716649	1716738	Gmdrm	hypo	CHG	-0.3233
Gm10	1721940	1722086	Gmdrm	hypo	CHG	-0.6137
Gm10	1722353	1722595	Gmdrm	hypo	CHG	-0.6365
Gm10	1736292	1736540	Gmdrm	hypo	CHG	-0.8784
Gm10	1756090	1756432	Gmdrm	hypo	CHG	-0.2205
Gm10	1781101	1781118	Gmdrm	hypo	CHG	-0.204
Gm10	1785166	1785342	Gmdrm	hypo	CHG	-0.7758
Gm10	1811682	1811966	Gmdrm	hypo	CHG	-0.34
Gm10	1816035	1816198	Gmdrm	hypo	CHG	-0.56
Gm10	1818801	1818973	Gmdrm	hypo	CHG	-0.2782
Gm10	1845122	1845360	Gmdrm	hypo	CHG	-0.02
Gm10	1851348	1851641	Gmdrm	hypo	CHG	-0.035
Gm10	1853551	1853674	Gmdrm	hypo	CHG	-0.1672
Gm10	1885080	1885199	Gmdrm	hypo	CHG	-0.678
Gm10	1891178	1891286	Gmdrm	hypo	CHG	-0.0533
Gm10	1895577	1895981	Gmdrm	hypo	CHG	-0.0277
Gm10	1898010	1898539	Gmdrm	hypo	CHG	-0.0482
Gm10	1940695	1940744	Gmdrm	hypo	CHG	-0.092
Gm10	1940849	1941246	Gmdrm	hypo	CHG	-0.5707
Gm10	1945395	1945590	Gmdrm	hypo	CHG	-0.0387
Gm10	1968136	1968221	Gmdrm	hypo	CHG	-0.915
Gm10	1968334	1968470	Gmdrm	hypo	CHG	-0.7889
Gm10	1968647	1968778	Gmdrm	hypo	CHG	-0.0887
Gm10	2031439	2031828	Gmdrm	hypo	CHG	-0.5753
Gm10	2038617	2038660	Gmdrm	hypo	CHG	-0.88
Gm10	2040581	2040892	Gmdrm	hypo	CHG	-0.3008
Gm10	2040994	2041365	Gmdrm	hypo	CHG	-0.3739
Gm10	2059169	2059577	Gmdrm	hypo	CHG	-0.0336
Gm10	2070513	2070739	Gmdrm	hypo	CHG	-0.275
Gm10	2090104	2090296	Gmdrm	hypo	CHG	-0.0257
Gm10	2110842	2111049	Gmdrm	hypo	CHG	-0.3224
Gm10	2111191	2111974	Gmdrm	hypo	CHG	-0.2019
Gm10	2113519	2113783	Gmdrm	hypo	CHG	-0.0773
Gm10	2124635	2125041	Gmdrm	hypo	CHG	-0.9306
Gm10	2125600	2125868	Gmdrm	hypo	CHG	-0.6279
Gm10	2130114	2130180	Gmdrm	hypo	CHG	-0.0529
Gm10	2153171	2153279	Gmdrm	hypo	CHG	-0.6686
Gm10	2170166	2170320	Gmdrm	hypo	CHG	-0.0433
Gm10	2188245	2188414	Gmdrm	hypo	CHG	-0.2133
Gm10	2200645	2200845	Gmdrm	hypo	CHG	-0.3367
Gm10	2211242	2211383	Gmdrm	hypo	CHG	-0.04
Gm10	2219371	2220140	Gmdrm	hypo	CHG	-0.4654
Gm10	2221740	2222177	Gmdrm	hypo	CHG	-0.186

Gm10	2225648	2226424	Gmdrm	hypo	CHG	-0.5771
Gm10	2243470	2243533	Gmdrm	hypo	CHG	-0.798
Gm10	2243699	2243988	Gmdrm	hypo	CHG	-0.7654
Gm10	2275708	2276345	Gmdrm	hypo	CHG	-0.0238
Gm10	2276657	2276890	Gmdrm	hypo	CHG	-0.0428
Gm10	2282637	2282715	Gmdrm	hypo	CHG	-0.205
Gm10	2295365	2295519	Gmdrm	hypo	CHG	-0.07
Gm10	2305979	2306109	Gmdrm	hypo	CHG	-0.035
Gm10	2325837	2326365	Gmdrm	hypo	CHG	-0.2109
Gm10	2331764	2331933	Gmdrm	hypo	CHG	-0.5117
Gm10	2336787	2336955	Gmdrm	hypo	CHG	-0.058
Gm10	2345010	2345541	Gmdrm	hypo	CHG	-0.2118
Gm10	2349843	2350021	Gmdrm	hypo	CHG	-0.3336
Gm10	2358274	2358434	Gmdrm	hypo	CHG	-0.832
Gm10	2377107	2377548	Gmdrm	hypo	CHG	-0.6086
Gm10	2417186	2417535	Gmdrm	hypo	CHG	-0.192
Gm10	2420064	2420163	Gmdrm	hypo	CHG	-0.1081
Gm10	2437733	2438127	Gmdrm	hypo	CHG	-0.055
Gm10	2489296	2489378	Gmdrm	hypo	CHG	-0.6945
Gm10	2491153	2491269	Gmdrm	hypo	CHG	-0.5157
Gm10	2502475	2502654	Gmdrm	hypo	CHG	-0.046
Gm10	2509709	2509861	Gmdrm	hypo	CHG	-0.0467
Gm10	2509977	2510346	Gmdrm	hypo	CHG	-0.5255
Gm10	2521336	2521539	Gmdrm	hypo	CHG	-0.036
Gm10	2526257	2526548	Gmdrm	hypo	CHG	-0.26
Gm10	2537035	2537279	Gmdrm	hypo	CHG	-0.038
Gm10	2554764	2554822	Gmdrm	hypo	CHG	-0.5883
Gm10	2632194	2632405	Gmdrm	hypo	CHG	-0.6444
Gm10	2641721	2641824	Gmdrm	hypo	CHG	-0.0367
Gm10	2644656	2644686	Gmdrm	hypo	CHG	-0.8775
Gm10	2653052	2653102	Gmdrm	hypo	CHG	-0.0517
Gm10	2661990	2662279	Gmdrm	hypo	CHG	-0.0336
Gm10	2665201	2665426	Gmdrm	hypo	CHG	-0.8364
Gm10	2686172	2686261	Gmdrm	hypo	CHG	-0.7038
Gm10	2691379	2691807	Gmdrm	hypo	CHG	-0.1961
Gm10	2698922	2698946	Gmdrm	hypo	CHG	-0.6867
Gm10	2706464	2706974	Gmdrm	hypo	CHG	-0.3451
Gm10	2711165	2711725	Gmdrm	hypo	CHG	-0.7519
Gm10	2723914	2724250	Gmdrm	hypo	CHG	-0.7029
Gm10	2774324	2774346	Gmdrm	hypo	CHG	-0.11
Gm10	2778393	2778637	Gmdrm	hypo	CHG	-0.5848
Gm10	2787779	2788006	Gmdrm	hypo	CHG	-0.5517
Gm10	2794329	2794804	Gmdrm	hypo	CHG	-0.264
Gm10	2829502	2829638	Gmdrm	hypo	CHG	-0.2467
Gm10	2830194	2830429	Gmdrm	hypo	CHG	-0.4147
Gm10	2851403	2851449	Gmdrm	hypo	CHG	-0.6688

Gm10	2853375	2853471	Gmdrm	hypo	CHG	-0.599
Gm10	2853743	2854041	Gmdrm	hypo	CHG	-0.6289
Gm10	2854170	2854357	Gmdrm	hypo	CHG	-0.41
Gm10	2864503	2864580	Gmdrm	hypo	CHG	-0.2566
Gm10	2905713	2906212	Gmdrm	hypo	CHG	-0.6336
Gm10	2921764	2922154	Gmdrm	hypo	CHG	-0.525
Gm10	2934403	2934787	Gmdrm	hypo	CHG	-0.5707
Gm10	2935184	2935256	Gmdrm	hypo	CHG	-0.5575
Gm10	2959010	2959064	Gmdrm	hypo	CHG	-0.378
Gm10	2959346	2959694	Gmdrm	hypo	CHG	-0.2237
Gm10	2962853	2962946	Gmdrm	hypo	CHG	-0.624
Gm10	2968231	2968789	Gmdrm	hypo	CHG	-0.5095
Gm10	2968903	2969055	Gmdrm	hypo	CHG	-0.6437
Gm10	2978036	2978499	Gmdrm	hypo	CHG	-0.271
Gm10	2984255	2984473	Gmdrm	hypo	CHG	-0.4493
Gm10	2984859	2985419	Gmdrm	hypo	CHG	-0.0652
Gm10	2994306	2994360	Gmdrm	hypo	CHG	-0.652
Gm10	2994629	2994957	Gmdrm	hypo	CHG	-0.718
Gm10	2995152	2995406	Gmdrm	hypo	CHG	-0.3853
Gm10	3002958	3003089	Gmdrm	hypo	CHG	-0.6325
Gm10	3008978	3009172	Gmdrm	hypo	CHG	-0.04
Gm10	3010397	3010536	Gmdrm	hypo	CHG	-0.3691
Gm10	3017694	3017934	Gmdrm	hypo	CHG	-0.4389
Gm10	3018207	3018267	Gmdrm	hypo	CHG	-0.8967
Gm10	3019126	3019423	Gmdrm	hypo	CHG	-0.0489
Gm10	3026626	3027145	Gmdrm	hypo	CHG	-0.3585
Gm10	3027271	3027604	Gmdrm	hypo	CHG	-0.069
Gm10	3064716	3064943	Gmdrm	hypo	CHG	-0.2393
Gm10	3078596	3078726	Gmdrm	hypo	CHG	-0.8717
Gm10	3078994	3079288	Gmdrm	hypo	CHG	-0.7337
Gm10	3092123	3092236	Gmdrm	hypo	CHG	-0.0625
Gm10	3092645	3092824	Gmdrm	hypo	CHG	-0.6486
Gm10	3100341	3100461	Gmdrm	hypo	CHG	-0.5157
Gm10	3105801	3105897	Gmdrm	hypo	CHG	-0.3063
Gm10	3106001	3106448	Gmdrm	hypo	CHG	-0.2847
Gm10	3109465	3109611	Gmdrm	hypo	CHG	-0.0633
Gm10	3115026	3115560	Gmdrm	hypo	CHG	-0.2584
Gm10	3118404	3118527	Gmdrm	hypo	CHG	-0.2928
Gm10	3121032	3121492	Gmdrm	hypo	CHG	-0.0382
Gm10	3171386	3171495	Gmdrm	hypo	CHG	-0.472
Gm10	3172302	3172442	Gmdrm	hypo	CHG	-0.054
Gm10	3199874	3200167	Gmdrm	hypo	CHG	-0.8904
Gm10	3200382	3200426	Gmdrm	hypo	CHG	-0.7066
Gm10	3203867	3203923	Gmdrm	hypo	CHG	-0.08
Gm10	3207436	3207546	Gmdrm	hypo	CHG	-0.0367
Gm10	3213585	3213773	Gmdrm	hypo	CHG	-0.6745

Gm10	3228664	3228764	Gmdrm	hypo	CHG	-0.0457
Gm10	3229636	3229713	Gmdrm	hypo	CHG	-0.815
Gm10	3232287	3232433	Gmdrm	hypo	CHG	-0.3956
Gm10	3240357	3240515	Gmdrm	hypo	CHG	-0.2754
Gm10	3254926	3255156	Gmdrm	hypo	CHG	-0.4484
Gm10	3255259	3255544	Gmdrm	hypo	CHG	-0.3792
Gm10	3256115	3256159	Gmdrm	hypo	CHG	-0.6871
Gm10	3276193	3276320	Gmdrm	hypo	CHG	-0.882
Gm10	3312307	3312514	Gmdrm	hypo	CHG	-0.38
Gm10	3317163	3317241	Gmdrm	hypo	CHG	-0.9392
Gm10	3317396	3317622	Gmdrm	hypo	CHG	-0.71
Gm10	3318166	3318275	Gmdrm	hypo	CHG	-0.0311
Gm10	3349752	3349804	Gmdrm	hypo	CHG	-0.724
Gm10	3351788	3351933	Gmdrm	hypo	CHG	-0.5583
Gm10	3370949	3371093	Gmdrm	hypo	CHG	-0.0417
Gm10	3398251	3398620	Gmdrm	hypo	CHG	-0.786
Gm10	3398728	3399109	Gmdrm	hypo	CHG	-0.2537
Gm10	3416479	3416736	Gmdrm	hypo	CHG	-0.0355
Gm10	3435821	3435944	Gmdrm	hypo	CHG	-0.8728
Gm10	3444305	3444348	Gmdrm	hypo	CHG	-0.36
Gm10	3444573	3444815	Gmdrm	hypo	CHG	-0.7511
Gm10	3460079	3460154	Gmdrm	hypo	CHG	-0.594
Gm10	3460276	3460519	Gmdrm	hypo	CHG	-0.507
Gm10	3505827	3505924	Gmdrm	hypo	CHG	-0.8083
Gm10	3517488	3517625	Gmdrm	hypo	CHG	-0.482
Gm10	3517791	3518012	Gmdrm	hypo	CHG	-0.4424
Gm10	3518148	3518167	Gmdrm	hypo	CHG	-0.476
Gm10	3518289	3518596	Gmdrm	hypo	CHG	-0.6993
Gm10	3524209	3524344	Gmdrm	hypo	CHG	-0.0643
Gm10	3557731	3557799	Gmdrm	hypo	CHG	-0.096
Gm10	3572565	3572670	Gmdrm	hypo	CHG	-0.425
Gm10	3585181	3585548	Gmdrm	hypo	CHG	-0.0591
Gm10	3616219	3616264	Gmdrm	hypo	CHG	-0.94
Gm10	3616382	3616569	Gmdrm	hypo	CHG	-0.8511
Gm10	3617429	3617519	Gmdrm	hypo	CHG	-0.4833
Gm10	3631837	3631989	Gmdrm	hypo	CHG	-0.5075
Gm10	3647259	3647742	Gmdrm	hypo	CHG	-0.0272
Gm10	3655705	3655936	Gmdrm	hypo	CHG	-0.7569
Gm10	3660703	3660845	Gmdrm	hypo	CHG	-0.7175
Gm10	3691306	3691368	Gmdrm	hypo	CHG	-0.7977
Gm10	3692054	3692108	Gmdrm	hypo	CHG	-0.095
Gm10	3732024	3732154	Gmdrm	hypo	CHG	-0.78
Gm10	3732435	3732759	Gmdrm	hypo	CHG	-0.8179
Gm10	3744763	3744898	Gmdrm	hypo	CHG	-0.098
Gm10	3766759	3766891	Gmdrm	hypo	CHG	-0.0914
Gm10	3767329	3767528	Gmdrm	hypo	CHG	-0.82

Gm10	3773409	3773778 Gmdrm	hypo	CHG	-0.0359
Gm10	3787878	3788090 Gmdrm	hypo	CHG	-0.056
Gm10	3797843	3798008 Gmdrm	hypo	CHG	-0.6715
Gm10	3803718	3803846 Gmdrm	hypo	CHG	-0.806
Gm10	3804498	3804765 Gmdrm	hypo	CHG	-0.26
Gm10	3826050	3826257 Gmdrm	hypo	CHG	-0.44
Gm10	3826383	3826621 Gmdrm	hypo	CHG	-0.3357
Gm10	3834093	3834189 Gmdrm	hypo	CHG	-0.028
Gm10	3846506	3846594 Gmdrm	hypo	CHG	-0.4025
Gm10	3849079	3849291 Gmdrm	hypo	CHG	-0.046
Gm10	3851762	3851989 Gmdrm	hypo	CHG	-0.7736
Gm10	3861420	3861765 Gmdrm	hypo	CHG	-0.2244
Gm10	3872409	3872502 Gmdrm	hypo	CHG	-0.128
Gm10	3877227	3877900 Gmdrm	hypo	CHG	-0.5236
Gm10	3879348	3879611 Gmdrm	hypo	CHG	-0.0487
Gm10	3882901	3883061 Gmdrm	hypo	CHG	-0.0517
Gm10	3911120	3911180 Gmdrm	hypo	CHG	-0.442
Gm10	3919522	3919692 Gmdrm	hypo	CHG	-0.034
Gm10	3948058	3948148 Gmdrm	hypo	CHG	-0.8067
Gm10	3994866	3994963 Gmdrm	hypo	CHG	-0.606
Gm10	3995090	3995243 Gmdrm	hypo	CHG	-0.36
Gm10	4005911	4006302 Gmdrm	hypo	CHG	-0.4457
Gm10	4006622	4006830 Gmdrm	hypo	CHG	-0.5327
Gm10	4011178	4012174 Gmdrm	hypo	CHG	-0.1829
Gm10	4012196	4012591 Gmdrm	hypo	CHG	-0.31
Gm10	4022553	4022991 Gmdrm	hypo	CHG	-0.569
Gm10	4023520	4023696 Gmdrm	hypo	CHG	-0.648
Gm10	4024771	4024879 Gmdrm	hypo	CHG	-0.686
Gm10	4046356	4047309 Gmdrm	hypo	CHG	-0.1798
Gm10	4047362	4047620 Gmdrm	hypo	CHG	-0.3206
Gm10	4047826	4047916 Gmdrm	hypo	CHG	-0.77
Gm10	4054213	4054292 Gmdrm	hypo	CHG	-0.8311
Gm10	4074205	4074439 Gmdrm	hypo	CHG	-0.7847
Gm10	4074699	4074927 Gmdrm	hypo	CHG	-0.885
Gm10	4075070	4075109 Gmdrm	hypo	CHG	-0.1917
Gm10	4082446	4082500 Gmdrm	hypo	CHG	-0.8767
Gm10	4082636	4082841 Gmdrm	hypo	CHG	-0.172
Gm10	4083650	4083853 Gmdrm	hypo	CHG	-0.1883
Gm10	4099448	4099558 Gmdrm	hypo	CHG	-0.264
Gm10	4151699	4151796 Gmdrm	hypo	CHG	-0.808
Gm10	4151907	4151927 Gmdrm	hypo	CHG	-0.774
Gm10	4162882	4163146 Gmdrm	hypo	CHG	-0.6188
Gm10	4175452	4175615 Gmdrm	hypo	CHG	-0.0533
Gm10	4181086	4181161 Gmdrm	hypo	CHG	-0.1867
Gm10	4202692	4202850 Gmdrm	hypo	CHG	-0.1737
Gm10	4205976	4206096 Gmdrm	hypo	CHG	-0.86

Gm10	4206283	4206351 Gmdrm	hypo	CHG	-0.615
Gm10	4207285	4207574 Gmdrm	hypo	CHG	-0.3744
Gm10	4211946	4212215 Gmdrm	hypo	CHG	-0.0737
Gm10	4220552	4220641 Gmdrm	hypo	CHG	-0.2433
Gm10	4227766	4227957 Gmdrm	hypo	CHG	-0.564
Gm10	4229228	4229378 Gmdrm	hypo	CHG	-0.5211
Gm10	4233101	4233498 Gmdrm	hypo	CHG	-0.3307
Gm10	4244158	4244305 Gmdrm	hypo	CHG	-0.4134
Gm10	4249217	4249511 Gmdrm	hypo	CHG	-0.2963
Gm10	4259367	4259563 Gmdrm	hypo	CHG	-0.2587
Gm10	4279775	4279813 Gmdrm	hypo	CHG	-0.6686
Gm10	4309612	4310008 Gmdrm	hypo	CHG	-0.6717
Gm10	4328343	4328480 Gmdrm	hypo	CHG	-0.7114
Gm10	4354167	4354311 Gmdrm	hypo	CHG	-0.04
Gm10	4358869	4359318 Gmdrm	hypo	CHG	-0.2552
Gm10	4367574	4367838 Gmdrm	hypo	CHG	-0.61
Gm10	4384639	4384828 Gmdrm	hypo	CHG	-0.0914
Gm10	4432413	4432616 Gmdrm	hypo	CHG	-0.9625
Gm10	4438527	4438562 Gmdrm	hypo	CHG	-0.376
Gm10	4438674	4438869 Gmdrm	hypo	CHG	-0.7086
Gm10	4448928	4449630 Gmdrm	hypo	CHG	-0.2634
Gm10	4478159	4478755 Gmdrm	hypo	CHG	-0.7419
Gm10	4485262	4485376 Gmdrm	hypo	CHG	-0.2654
Gm10	4491483	4491639 Gmdrm	hypo	CHG	-0.035
Gm10	4522082	4522385 Gmdrm	hypo	CHG	-0.03
Gm10	4545862	4546287 Gmdrm	hypo	CHG	-0.4832
Gm10	4547288	4547496 Gmdrm	hypo	CHG	-0.555
Gm10	4548474	4548615 Gmdrm	hypo	CHG	-0.372
Gm10	4548911	4549004 Gmdrm	hypo	CHG	-0.8388
Gm10	4571835	4572276 Gmdrm	hypo	CHG	-0.0667
Gm10	4573481	4573724 Gmdrm	hypo	CHG	-0.0429
Gm10	4612294	4612554 Gmdrm	hypo	CHG	-0.46
Gm10	4612715	4612851 Gmdrm	hypo	CHG	-0.42
Gm10	4642972	4643235 Gmdrm	hypo	CHG	-0.5991
Gm10	4643759	4643776 Gmdrm	hypo	CHG	-0.222
Gm10	4683078	4683144 Gmdrm	hypo	CHG	-0.1
Gm10	4701624	4701701 Gmdrm	hypo	CHG	-0.674
Gm10	4717883	4717976 Gmdrm	hypo	CHG	-0.3644
Gm10	4720361	4720499 Gmdrm	hypo	CHG	-0.3157
Gm10	4729095	4729155 Gmdrm	hypo	CHG	-0.5116
Gm10	4729356	4729374 Gmdrm	hypo	CHG	-0.636
Gm10	4750830	4751151 Gmdrm	hypo	CHG	-0.2918
Gm10	4762555	4762648 Gmdrm	hypo	CHG	-0.5929
Gm10	4766855	4767059 Gmdrm	hypo	CHG	-0.5612
Gm10	4774558	4774595 Gmdrm	hypo	CHG	-0.234
Gm10	4791699	4791801 Gmdrm	hypo	CHG	-0.4357

Gm10	4792237	4792260 Gmdrm	hypo	CHG	-0.2033
Gm10	4801447	4802022 Gmdrm	hypo	CHG	-0.3007
Gm10	4809776	4809942 Gmdrm	hypo	CHG	-0.9291
Gm10	4810747	4810890 Gmdrm	hypo	CHG	-0.8592
Gm10	4811083	4811224 Gmdrm	hypo	CHG	-0.0614
Gm10	4825073	4825355 Gmdrm	hypo	CHG	-0.0486
Gm10	4827356	4827521 Gmdrm	hypo	CHG	-0.2931
Gm10	4832360	4832795 Gmdrm	hypo	CHG	-0.26
Gm10	4834555	4834830 Gmdrm	hypo	CHG	-0.064
Gm10	4835668	4836228 Gmdrm	hypo	CHG	-0.237
Gm10	4836341	4836834 Gmdrm	hypo	CHG	-0.4541
Gm10	4838986	4839350 Gmdrm	hypo	CHG	-0.7335
Gm10	4839471	4839552 Gmdrm	hypo	CHG	-0.73
Gm10	4847998	4848118 Gmdrm	hypo	CHG	-0.7967
Gm10	4848449	4848961 Gmdrm	hypo	CHG	-0.5558
Gm10	4857685	4857868 Gmdrm	hypo	CHG	-0.6474
Gm10	4869514	4869567 Gmdrm	hypo	CHG	-0.38
Gm10	4870761	4871123 Gmdrm	hypo	CHG	-0.4485
Gm10	4876189	4876445 Gmdrm	hypo	CHG	-0.4
Gm10	4877669	4877743 Gmdrm	hypo	CHG	-0.215
Gm10	4916611	4916697 Gmdrm	hypo	CHG	-0.028
Gm10	4932515	4932834 Gmdrm	hypo	CHG	-0.1556
Gm10	4941857	4941983 Gmdrm	hypo	CHG	-0.048
Gm10	4957765	4957888 Gmdrm	hypo	CHG	-0.468
Gm10	4967980	4968106 Gmdrm	hypo	CHG	-0.2129
Gm10	4968259	4968446 Gmdrm	hypo	CHG	-0.044
Gm10	4996602	4996822 Gmdrm	hypo	CHG	-0.082
Gm10	5005412	5005538 Gmdrm	hypo	CHG	-0.6014
Gm10	5017597	5017951 Gmdrm	hypo	CHG	-0.6139
Gm10	5037294	5037444 Gmdrm	hypo	CHG	-0.3243
Gm10	5037658	5038198 Gmdrm	hypo	CHG	-0.194
Gm10	5060925	5061156 Gmdrm	hypo	CHG	-0.5354
Gm10	5081366	5081712 Gmdrm	hypo	CHG	-0.5633
Gm10	5082252	5082436 Gmdrm	hypo	CHG	-0.06
Gm10	5084350	5084589 Gmdrm	hypo	CHG	-0.2765
Gm10	5087830	5088821 Gmdrm	hypo	CHG	-0.1775
Gm10	5101789	5101876 Gmdrm	hypo	CHG	-0.8878
Gm10	5110642	5110682 Gmdrm	hypo	CHG	-0.7255
Gm10	5119680	5119838 Gmdrm	hypo	CHG	-0.3137
Gm10	5120747	5121199 Gmdrm	hypo	CHG	-0.6381
Gm10	5122237	5122417 Gmdrm	hypo	CHG	-0.335
Gm10	5134399	5134750 Gmdrm	hypo	CHG	-0.44
Gm10	5135176	5135372 Gmdrm	hypo	CHG	-0.0366
Gm10	5145316	5145465 Gmdrm	hypo	CHG	-0.04
Gm10	5163133	5163676 Gmdrm	hypo	CHG	-0.8858
Gm10	5164970	5165232 Gmdrm	hypo	CHG	-0.2416

Gm10	5165511	5165620 Gmdrm	hypo	CHG	-0.1512
Gm10	5166060	5166203 Gmdrm	hypo	CHG	-0.1933
Gm10	5167442	5167509 Gmdrm	hypo	CHG	-0.2883
Gm10	5167791	5168190 Gmdrm	hypo	CHG	-0.476
Gm10	5174096	5174279 Gmdrm	hypo	CHG	-0.5817
Gm10	5174390	5174490 Gmdrm	hypo	CHG	-0.5333
Gm10	5179161	5179281 Gmdrm	hypo	CHG	-0.8116
Gm10	5184499	5184582 Gmdrm	hypo	CHG	-0.6017
Gm10	5191271	5191619 Gmdrm	hypo	CHG	-0.5905
Gm10	5192216	5192509 Gmdrm	hypo	CHG	-0.5383
Gm10	5192647	5193207 Gmdrm	hypo	CHG	-0.2309
Gm10	5201100	5201408 Gmdrm	hypo	CHG	-0.378
Gm10	5201564	5201734 Gmdrm	hypo	CHG	-0.8417
Gm10	5205903	5206314 Gmdrm	hypo	CHG	-0.6457
Gm10	5209405	5209767 Gmdrm	hypo	CHG	-0.26
Gm10	5216582	5216733 Gmdrm	hypo	CHG	-0.0571
Gm10	5260993	5261097 Gmdrm	hypo	CHG	-0.682
Gm10	5279449	5279552 Gmdrm	hypo	CHG	-0.044
Gm10	5282613	5282790 Gmdrm	hypo	CHG	-0.842
Gm10	5283309	5283442 Gmdrm	hypo	CHG	-0.2512
Gm10	5289196	5289689 Gmdrm	hypo	CHG	-0.0309
Gm10	5291510	5292084 Gmdrm	hypo	CHG	-0.3644
Gm10	5292234	5292418 Gmdrm	hypo	CHG	-0.2828
Gm10	5293801	5293924 Gmdrm	hypo	CHG	-0.32
Gm10	5303976	5304275 Gmdrm	hypo	CHG	-0.4182
Gm10	5329669	5330365 Gmdrm	hypo	CHG	-0.3687
Gm10	5342459	5342856 Gmdrm	hypo	CHG	-0.6872
Gm10	5350822	5350987 Gmdrm	hypo	CHG	-0.3267
Gm10	5362543	5362831 Gmdrm	hypo	CHG	-0.511
Gm10	5384079	5384159 Gmdrm	hypo	CHG	-0.342
Gm10	5397749	5397913 Gmdrm	hypo	CHG	-0.6555
Gm10	5407064	5407399 Gmdrm	hypo	CHG	-0.1724
Gm10	5408806	5408923 Gmdrm	hypo	CHG	-0.058
Gm10	5415550	5415908 Gmdrm	hypo	CHG	-0.3517
Gm10	5416816	5416843 Gmdrm	hypo	CHG	-0.698
Gm10	5417077	5417170 Gmdrm	hypo	CHG	-0.6015
Gm10	5423921	5424215 Gmdrm	hypo	CHG	-0.4933
Gm10	5429766	5430332 Gmdrm	hypo	CHG	-0.2044
Gm10	5431646	5431766 Gmdrm	hypo	CHG	-0.125
Gm10	5443751	5443945 Gmdrm	hypo	CHG	-0.6629
Gm10	5458678	5458849 Gmdrm	hypo	CHG	-0.0337
Gm10	5459507	5459750 Gmdrm	hypo	CHG	-0.0407
Gm10	5462160	5462353 Gmdrm	hypo	CHG	-0.1271
Gm10	5479015	5479456 Gmdrm	hypo	CHG	-0.6428
Gm10	5487098	5487395 Gmdrm	hypo	CHG	-0.425
Gm10	5493247	5493643 Gmdrm	hypo	CHG	-0.1588

Gm10	5493744	5494077	Gmdrm	hypo	CHG	-0.3338
Gm10	5494250	5494678	Gmdrm	hypo	CHG	-0.3845
Gm10	5494798	5495786	Gmdrm	hypo	CHG	-0.158
Gm10	5511701	5511865	Gmdrm	hypo	CHG	-0.5355
Gm10	5515023	5515401	Gmdrm	hypo	CHG	-0.277
Gm10	5539640	5539764	Gmdrm	hypo	CHG	-0.545
Gm10	5540198	5540438	Gmdrm	hypo	CHG	-0.4588
Gm10	5546581	5546728	Gmdrm	hypo	CHG	-0.0625
Gm10	5551657	5551933	Gmdrm	hypo	CHG	-0.0414
Gm10	5555257	5555846	Gmdrm	hypo	CHG	-0.052
Gm10	5562545	5562991	Gmdrm	hypo	CHG	-0.7
Gm10	5582594	5583025	Gmdrm	hypo	CHG	-0.2211
Gm10	5586743	5587058	Gmdrm	hypo	CHG	-0.2978
Gm10	5588993	5589122	Gmdrm	hypo	CHG	-0.4757
Gm10	5589712	5589923	Gmdrm	hypo	CHG	-0.2512
Gm10	5590045	5590301	Gmdrm	hypo	CHG	-0.4414
Gm10	5599579	5599850	Gmdrm	hypo	CHG	-0.3893
Gm10	5616013	5616408	Gmdrm	hypo	CHG	-0.599
Gm10	5628708	5629203	Gmdrm	hypo	CHG	-0.0222
Gm10	5632992	5633218	Gmdrm	hypo	CHG	-0.47
Gm10	5633411	5633551	Gmdrm	hypo	CHG	-0.7111
Gm10	5633882	5633935	Gmdrm	hypo	CHG	-0.4643
Gm10	5639985	5640125	Gmdrm	hypo	CHG	-0.3966
Gm10	5640250	5640537	Gmdrm	hypo	CHG	-0.3131
Gm10	5640827	5641224	Gmdrm	hypo	CHG	-0.2165
Gm10	5665369	5665855	Gmdrm	hypo	CHG	-0.5391
Gm10	5708372	5708652	Gmdrm	hypo	CHG	-0.055
Gm10	5708868	5709135	Gmdrm	hypo	CHG	-0.4381
Gm10	5709375	5710355	Gmdrm	hypo	CHG	-0.4792
Gm10	5710376	5711117	Gmdrm	hypo	CHG	-0.3206
Gm10	5712021	5712192	Gmdrm	hypo	CHG	-0.5775
Gm10	5712336	5712638	Gmdrm	hypo	CHG	-0.3875
Gm10	5712939	5713106	Gmdrm	hypo	CHG	-0.61
Gm10	5713597	5713657	Gmdrm	hypo	CHG	-0.75
Gm10	5713812	5714232	Gmdrm	hypo	CHG	-0.7106
Gm10	5715781	5716164	Gmdrm	hypo	CHG	-0.1147
Gm10	5718955	5719425	Gmdrm	hypo	CHG	-0.3095
Gm10	5722331	5722453	Gmdrm	hypo	CHG	-0.3443
Gm10	5722564	5722750	Gmdrm	hypo	CHG	-0.3987
Gm10	5722981	5723404	Gmdrm	hypo	CHG	-0.3433
Gm10	5727124	5727309	Gmdrm	hypo	CHG	-0.3078
Gm10	5734402	5734462	Gmdrm	hypo	CHG	-0.18
Gm10	5735837	5735908	Gmdrm	hypo	CHG	-0.07
Gm10	5740219	5740558	Gmdrm	hypo	CHG	-0.494
Gm10	5744249	5744314	Gmdrm	hypo	CHG	-0.5912
Gm10	5744499	5744695	Gmdrm	hypo	CHG	-0.5175

Gm10	5765079	5765247	Gmdrm	hypo	CHG	-0.3164
Gm10	5768227	5768363	Gmdrm	hypo	CHG	-0.03
Gm10	5814621	5814968	Gmdrm	hypo	CHG	-0.5227
Gm10	5826155	5826526	Gmdrm	hypo	CHG	-0.2672
Gm10	5827406	5828268	Gmdrm	hypo	CHG	-0.35
Gm10	5829923	5830157	Gmdrm	hypo	CHG	-0.0244
Gm10	5831362	5831477	Gmdrm	hypo	CHG	-0.3913
Gm10	5831646	5832148	Gmdrm	hypo	CHG	-0.406
Gm10	5837451	5837746	Gmdrm	hypo	CHG	-0.5793
Gm10	5838316	5838596	Gmdrm	hypo	CHG	-0.6475
Gm10	5838920	5839170	Gmdrm	hypo	CHG	-0.7
Gm10	5839336	5839454	Gmdrm	hypo	CHG	-0.8337
Gm10	5850820	5850979	Gmdrm	hypo	CHG	-0.1318
Gm10	5858880	5858988	Gmdrm	hypo	CHG	-0.064
Gm10	5872002	5872279	Gmdrm	hypo	CHG	-0.564
Gm10	5884675	5884897	Gmdrm	hypo	CHG	-0.585
Gm10	5896624	5896709	Gmdrm	hypo	CHG	-0.058
Gm10	5897222	5897357	Gmdrm	hypo	CHG	-0.812
Gm10	5920583	5920709	Gmdrm	hypo	CHG	-0.0817
Gm10	5936424	5936620	Gmdrm	hypo	CHG	-0.0788
Gm10	5938962	5939096	Gmdrm	hypo	CHG	-0.3833
Gm10	5959653	5959844	Gmdrm	hypo	CHG	-0.0483
Gm10	5962722	5962956	Gmdrm	hypo	CHG	-0.1333
Gm10	5963070	5963116	Gmdrm	hypo	CHG	-0.7938
Gm10	5987862	5988193	Gmdrm	hypo	CHG	-0.43
Gm10	5993392	5993545	Gmdrm	hypo	CHG	-0.9062
Gm10	5994003	5994568	Gmdrm	hypo	CHG	-0.7034
Gm10	6008460	6008640	Gmdrm	hypo	CHG	-0.606
Gm10	6011435	6011643	Gmdrm	hypo	CHG	-0.6491
Gm10	6015497	6015870	Gmdrm	hypo	CHG	-0.224
Gm10	6015971	6016036	Gmdrm	hypo	CHG	-0.5384
Gm10	6017776	6017894	Gmdrm	hypo	CHG	-0.0414
Gm10	6027645	6028216	Gmdrm	hypo	CHG	-0.2368
Gm10	6065035	6065192	Gmdrm	hypo	CHG	-0.6645
Gm10	6076190	6076265	Gmdrm	hypo	CHG	-0.6771
Gm10	6076420	6076509	Gmdrm	hypo	CHG	-0.6567
Gm10	6129885	6130073	Gmdrm	hypo	CHG	-0.4411
Gm10	6142504	6142699	Gmdrm	hypo	CHG	-0.3213
Gm10	6170428	6170613	Gmdrm	hypo	CHG	-0.035
Gm10	6176721	6176866	Gmdrm	hypo	CHG	-0.18
Gm10	6206101	6206477	Gmdrm	hypo	CHG	-0.2822
Gm10	6210995	6211269	Gmdrm	hypo	CHG	-0.6376
Gm10	6232515	6232593	Gmdrm	hypo	CHG	-0.5383
Gm10	6232828	6232956	Gmdrm	hypo	CHG	-0.7285
Gm10	6244195	6244587	Gmdrm	hypo	CHG	-0.4242
Gm10	6245044	6245213	Gmdrm	hypo	CHG	-0.6714

Gm10	6282966	6283221	Gmdrm	hypo	CHG	-0.2654
Gm10	6283557	6283678	Gmdrm	hypo	CHG	-0.6838
Gm10	6292096	6292240	Gmdrm	hypo	CHG	-0.8067
Gm10	6298666	6298783	Gmdrm	hypo	CHG	-0.612
Gm10	6298894	6298964	Gmdrm	hypo	CHG	-0.8071
Gm10	6317878	6317915	Gmdrm	hypo	CHG	-0.1717
Gm10	6320396	6320527	Gmdrm	hypo	CHG	-0.645
Gm10	6320949	6321195	Gmdrm	hypo	CHG	-0.6291
Gm10	6321303	6321489	Gmdrm	hypo	CHG	-0.4425
Gm10	6327384	6327458	Gmdrm	hypo	CHG	-0.238
Gm10	6329817	6330064	Gmdrm	hypo	CHG	-0.0725
Gm10	6355261	6355583	Gmdrm	hypo	CHG	-0.0456
Gm10	6355916	6356151	Gmdrm	hypo	CHG	-0.134
Gm10	6368477	6368653	Gmdrm	hypo	CHG	-0.5671
Gm10	6383799	6384507	Gmdrm	hypo	CHG	-0.0271
Gm10	6389225	6389497	Gmdrm	hypo	CHG	-0.332
Gm10	6436627	6437011	Gmdrm	hypo	CHG	-0.5246
Gm10	6441584	6441758	Gmdrm	hypo	CHG	-0.58
Gm10	6448191	6448299	Gmdrm	hypo	CHG	-0.4472
Gm10	6453661	6453902	Gmdrm	hypo	CHG	-0.0643
Gm10	6454427	6454744	Gmdrm	hypo	CHG	-0.745
Gm10	6465164	6465381	Gmdrm	hypo	CHG	-0.69
Gm10	6471425	6471462	Gmdrm	hypo	CHG	-0.5662
Gm10	6473421	6473580	Gmdrm	hypo	CHG	-0.6971
Gm10	6478596	6478714	Gmdrm	hypo	CHG	-0.588
Gm10	6486497	6486662	Gmdrm	hypo	CHG	-0.3571
Gm10	6520479	6520710	Gmdrm	hypo	CHG	-0.5807
Gm10	6526679	6526824	Gmdrm	hypo	CHG	-0.3622
Gm10	6527173	6527193	Gmdrm	hypo	CHG	-0.8583
Gm10	6528081	6528545	Gmdrm	hypo	CHG	-0.2785
Gm10	6534454	6534606	Gmdrm	hypo	CHG	-0.7933
Gm10	6534736	6534862	Gmdrm	hypo	CHG	-0.416
Gm10	6535113	6535256	Gmdrm	hypo	CHG	-0.3514
Gm10	6535988	6536065	Gmdrm	hypo	CHG	-0.664
Gm10	6536743	6536790	Gmdrm	hypo	CHG	-0.436
Gm10	6563944	6564222	Gmdrm	hypo	CHG	-0.735
Gm10	6602839	6602957	Gmdrm	hypo	CHG	-0.22
Gm10	6603451	6603513	Gmdrm	hypo	CHG	-0.0933
Gm10	6604763	6605015	Gmdrm	hypo	CHG	-0.7455
Gm10	6615196	6615379	Gmdrm	hypo	CHG	-0.8267
Gm10	6615493	6615657	Gmdrm	hypo	CHG	-0.517
Gm10	6627541	6628069	Gmdrm	hypo	CHG	-0.3429
Gm10	6635392	6635864	Gmdrm	hypo	CHG	-0.6805
Gm10	6640990	6641200	Gmdrm	hypo	CHG	-0.4027
Gm10	6641464	6641739	Gmdrm	hypo	CHG	-0.36
Gm10	6645794	6645916	Gmdrm	hypo	CHG	-0.43

Gm10	6671345	6672273	Gmdrm	hypo	CHG	-0.2403
Gm10	6704581	6704730	Gmdrm	hypo	CHG	-0.7243
Gm10	6706510	6706681	Gmdrm	hypo	CHG	-0.2612
Gm10	6706925	6707042	Gmdrm	hypo	CHG	-0.5167
Gm10	6725981	6726314	Gmdrm	hypo	CHG	-0.474
Gm10	6726581	6727062	Gmdrm	hypo	CHG	-0.4763
Gm10	6734303	6734408	Gmdrm	hypo	CHG	-0.24
Gm10	6734516	6734642	Gmdrm	hypo	CHG	-0.393
Gm10	6748960	6749025	Gmdrm	hypo	CHG	-0.635
Gm10	6751670	6751904	Gmdrm	hypo	CHG	-0.548
Gm10	6752128	6752405	Gmdrm	hypo	CHG	-0.5764
Gm10	6758788	6759011	Gmdrm	hypo	CHG	-0.0825
Gm10	6775420	6775804	Gmdrm	hypo	CHG	-0.048
Gm10	6777162	6777289	Gmdrm	hypo	CHG	-0.674
Gm10	6777812	6777986	Gmdrm	hypo	CHG	-0.5262
Gm10	6800676	6801161	Gmdrm	hypo	CHG	-0.3694
Gm10	6815610	6815790	Gmdrm	hypo	CHG	-0.024
Gm10	6816730	6816874	Gmdrm	hypo	CHG	-0.7657
Gm10	6819732	6820058	Gmdrm	hypo	CHG	-0.536
Gm10	6843647	6843784	Gmdrm	hypo	CHG	-0.1808
Gm10	6876560	6876816	Gmdrm	hypo	CHG	-0.0286
Gm10	6877979	6878062	Gmdrm	hypo	CHG	-0.036
Gm10	6938534	6939168	Gmdrm	hypo	CHG	-0.7565
Gm10	6939289	6939353	Gmdrm	hypo	CHG	-0.6983
Gm10	6943685	6943969	Gmdrm	hypo	CHG	-0.2116
Gm10	6947532	6948062	Gmdrm	hypo	CHG	-0.466
Gm10	6982203	6982432	Gmdrm	hypo	CHG	-0.335
Gm10	7036925	7037007	Gmdrm	hypo	CHG	-0.0516
Gm10	7047196	7048180	Gmdrm	hypo	CHG	-0.1324
Gm10	7079648	7079844	Gmdrm	hypo	CHG	-0.69
Gm10	7132166	7132357	Gmdrm	hypo	CHG	-0.07
Gm10	7151589	7151684	Gmdrm	hypo	CHG	-0.784
Gm10	7153917	7154161	Gmdrm	hypo	CHG	-0.1742
Gm10	7158787	7158865	Gmdrm	hypo	CHG	-0.8643
Gm10	7158989	7159087	Gmdrm	hypo	CHG	-0.8333
Gm10	7177303	7177414	Gmdrm	hypo	CHG	-0.2983
Gm10	7177992	7178211	Gmdrm	hypo	CHG	-0.7168
Gm10	7178613	7179127	Gmdrm	hypo	CHG	-0.6253
Gm10	7179245	7179346	Gmdrm	hypo	CHG	-0.8266
Gm10	7183958	7184257	Gmdrm	hypo	CHG	-0.3675
Gm10	7186987	7187204	Gmdrm	hypo	CHG	-0.7169
Gm10	7201703	7201897	Gmdrm	hypo	CHG	-0.725
Gm10	7202034	7202289	Gmdrm	hypo	CHG	-0.6584
Gm10	7215160	7215334	Gmdrm	hypo	CHG	-0.0467
Gm10	7229782	7229921	Gmdrm	hypo	CHG	-0.6384
Gm10	7230303	7230438	Gmdrm	hypo	CHG	-0.63

Gm10	7242761	7242828	Gmdrm	hypo	CHG	-0.5357
Gm10	7254994	7255171	Gmdrm	hypo	CHG	-0.4163
Gm10	7274396	7274589	Gmdrm	hypo	CHG	-0.124
Gm10	7276094	7276205	Gmdrm	hypo	CHG	-0.074
Gm10	7276925	7277027	Gmdrm	hypo	CHG	-0.4883
Gm10	7277230	7277458	Gmdrm	hypo	CHG	-0.437
Gm10	7293520	7293674	Gmdrm	hypo	CHG	-0.7793
Gm10	7317525	7317553	Gmdrm	hypo	CHG	-0.92
Gm10	7318368	7318692	Gmdrm	hypo	CHG	-0.7407
Gm10	7325204	7325473	Gmdrm	hypo	CHG	-0.5281
Gm10	7330168	7330364	Gmdrm	hypo	CHG	-0.3583
Gm10	7335100	7335261	Gmdrm	hypo	CHG	-0.3328
Gm10	7335407	7335510	Gmdrm	hypo	CHG	-0.066
Gm10	7340903	7340987	Gmdrm	hypo	CHG	-0.7172
Gm10	7341559	7341798	Gmdrm	hypo	CHG	-0.1628
Gm10	7348532	7348806	Gmdrm	hypo	CHG	-0.2982
Gm10	7360200	7360393	Gmdrm	hypo	CHG	-0.4985
Gm10	7381309	7381411	Gmdrm	hypo	CHG	-0.305
Gm10	7386895	7386996	Gmdrm	hypo	CHG	-0.5058
Gm10	7392674	7393148	Gmdrm	hypo	CHG	-0.17
Gm10	7415262	7415473	Gmdrm	hypo	CHG	-0.036
Gm10	7418542	7418720	Gmdrm	hypo	CHG	-0.048
Gm10	7429909	7430340	Gmdrm	hypo	CHG	-0.3215
Gm10	7430449	7430654	Gmdrm	hypo	CHG	-0.3241
Gm10	7457090	7457186	Gmdrm	hypo	CHG	-0.195
Gm10	7458968	7459109	Gmdrm	hypo	CHG	-0.1712
Gm10	7459941	7460180	Gmdrm	hypo	CHG	-0.2148
Gm10	7509613	7509719	Gmdrm	hypo	CHG	-0.312
Gm10	7521091	7521222	Gmdrm	hypo	CHG	-0.66
Gm10	7535912	7536016	Gmdrm	hypo	CHG	-0.08
Gm10	7544408	7544496	Gmdrm	hypo	CHG	-0.2914
Gm10	7547400	7548341	Gmdrm	hypo	CHG	-0.1445
Gm10	7553061	7553534	Gmdrm	hypo	CHG	-0.0423
Gm10	7575984	7576058	Gmdrm	hypo	CHG	-0.3838
Gm10	7586220	7586796	Gmdrm	hypo	CHG	-0.0281
Gm10	7600932	7601249	Gmdrm	hypo	CHG	-0.6085
Gm10	7601917	7602374	Gmdrm	hypo	CHG	-0.4979
Gm10	7619797	7620795	Gmdrm	hypo	CHG	-0.2571
Gm10	7626269	7626388	Gmdrm	hypo	CHG	-0.4417
Gm10	7630749	7631389	Gmdrm	hypo	CHG	-0.2659
Gm10	7636269	7636486	Gmdrm	hypo	CHG	-0.8588
Gm10	7666494	7667222	Gmdrm	hypo	CHG	-0.2278
Gm10	7682468	7682584	Gmdrm	hypo	CHG	-0.4233
Gm10	7683302	7683399	Gmdrm	hypo	CHG	-0.6617
Gm10	7683931	7684367	Gmdrm	hypo	CHG	-0.7511
Gm10	7730894	7731060	Gmdrm	hypo	CHG	-0.2922

Gm10	7731349	7731358	Gmdrm	hypo	CHG	-0.7284
Gm10	7733070	7733242	Gmdrm	hypo	CHG	-0.715
Gm10	8344928	8345212	Gmdrm	hypo	CHG	-0.6132
Gm10	8368088	8368239	Gmdrm	hypo	CHG	-0.4285
Gm10	8402500	8402820	Gmdrm	hypo	CHG	-0.3936
Gm10	8468884	8469579	Gmdrm	hypo	CHG	-0.2137
Gm10	8522768	8523012	Gmdrm	hypo	CHG	-0.6332
Gm10	8523805	8523933	Gmdrm	hypo	CHG	-0.645
Gm10	8524088	8524400	Gmdrm	hypo	CHG	-0.5825
Gm10	8525423	8525539	Gmdrm	hypo	CHG	-0.1027
Gm10	8546613	8546857	Gmdrm	hypo	CHG	-0.555
Gm10	8550354	8550489	Gmdrm	hypo	CHG	-0.3744
Gm10	8560157	8560640	Gmdrm	hypo	CHG	-0.1546
Gm10	8560844	8560914	Gmdrm	hypo	CHG	-0.29
Gm10	8566051	8566132	Gmdrm	hypo	CHG	-0.3883
Gm10	8582218	8582558	Gmdrm	hypo	CHG	-0.2465
Gm10	8595573	8595953	Gmdrm	hypo	CHG	-0.413
Gm10	8609335	8609589	Gmdrm	hypo	CHG	-0.184
Gm10	8612059	8612148	Gmdrm	hypo	CHG	-0.8287
Gm10	8612256	8612339	Gmdrm	hypo	CHG	-0.6689
Gm10	8612764	8612973	Gmdrm	hypo	CHG	-0.09
Gm10	8620464	8620869	Gmdrm	hypo	CHG	-0.2765
Gm10	8627910	8627995	Gmdrm	hypo	CHG	-0.1028
Gm10	8634713	8634915	Gmdrm	hypo	CHG	-0.4715
Gm10	8635026	8635118	Gmdrm	hypo	CHG	-0.7191
Gm10	8635347	8635649	Gmdrm	hypo	CHG	-0.48
Gm10	8638980	8639308	Gmdrm	hypo	CHG	-0.741
Gm10	8639729	8639774	Gmdrm	hypo	CHG	-0.8978
Gm10	8672263	8672534	Gmdrm	hypo	CHG	-0.042
Gm10	8724434	8724906	Gmdrm	hypo	CHG	-0.1504
Gm10	8727260	8727329	Gmdrm	hypo	CHG	-0.5567
Gm10	8728855	8728888	Gmdrm	hypo	CHG	-0.5867
Gm10	8778832	8778954	Gmdrm	hypo	CHG	-0.24
Gm10	8830090	8830171	Gmdrm	hypo	CHG	-0.185
Gm10	8835133	8835275	Gmdrm	hypo	CHG	-0.798
Gm10	8836128	8836867	Gmdrm	hypo	CHG	-0.2847
Gm10	8842958	8843021	Gmdrm	hypo	CHG	-0.19
Gm10	8855641	8855870	Gmdrm	hypo	CHG	-0.7265
Gm10	8856237	8856377	Gmdrm	hypo	CHG	-0.4128
Gm10	8874886	8874922	Gmdrm	hypo	CHG	-0.052
Gm10	8875027	8875231	Gmdrm	hypo	CHG	-0.5337
Gm10	8972019	8972534	Gmdrm	hypo	CHG	-0.3862
Gm10	8972854	8973038	Gmdrm	hypo	CHG	-0.5817
Gm10	8975846	8976826	Gmdrm	hypo	CHG	-0.267
Gm10	8976910	8977496	Gmdrm	hypo	CHG	-0.1843
Gm10	8979794	8980251	Gmdrm	hypo	CHG	-0.2626

Gm10	9016632	9016739	Gmdrm	hypo	CHG	-0.7933
Gm10	9038770	9038942	Gmdrm	hypo	CHG	-0.435
Gm10	9039135	9039270	Gmdrm	hypo	CHG	-0.8225
Gm10	9043851	9044214	Gmdrm	hypo	CHG	-0.9041
Gm10	9044342	9044618	Gmdrm	hypo	CHG	-0.8178
Gm10	9115354	9115472	Gmdrm	hypo	CHG	-0.1272
Gm10	9115785	9115898	Gmdrm	hypo	CHG	-0.208
Gm10	9117358	9117504	Gmdrm	hypo	CHG	-0.3257
Gm10	9125787	9125983	Gmdrm	hypo	CHG	-0.4329
Gm10	9137412	9137538	Gmdrm	hypo	CHG	-0.2046
Gm10	9139461	9139589	Gmdrm	hypo	CHG	-0.5484
Gm10	9287223	9287256	Gmdrm	hypo	CHG	-0.1783
Gm10	9287723	9287889	Gmdrm	hypo	CHG	-0.105
Gm10	9294360	9295005	Gmdrm	hypo	CHG	-0.4143
Gm10	9299704	9299850	Gmdrm	hypo	CHG	-0.266
Gm10	9299975	9300685	Gmdrm	hypo	CHG	-0.4332
Gm10	9342721	9342937	Gmdrm	hypo	CHG	-0.2994
Gm10	9352108	9352212	Gmdrm	hypo	CHG	-0.405
Gm10	9353085	9353304	Gmdrm	hypo	CHG	-0.3729
Gm10	9397216	9397439	Gmdrm	hypo	CHG	-0.274
Gm10	9399347	9399672	Gmdrm	hypo	CHG	-0.05
Gm10	9404475	9404630	Gmdrm	hypo	CHG	-0.815
Gm10	9404899	9405026	Gmdrm	hypo	CHG	-0.845
Gm10	9415699	9415815	Gmdrm	hypo	CHG	-0.4933
Gm10	9415998	9416177	Gmdrm	hypo	CHG	-0.4083
Gm10	9428162	9428281	Gmdrm	hypo	CHG	-0.7257
Gm10	9506787	9506853	Gmdrm	hypo	CHG	-0.276
Gm10	9507467	9507546	Gmdrm	hypo	CHG	-0.6529
Gm10	9511728	9511883	Gmdrm	hypo	CHG	-0.5986
Gm10	9511994	9512276	Gmdrm	hypo	CHG	-0.4007
Gm10	9514131	9514705	Gmdrm	hypo	CHG	-0.5632
Gm10	9514909	9514996	Gmdrm	hypo	CHG	-0.572
Gm10	9524470	9524766	Gmdrm	hypo	CHG	-0.1366
Gm10	9525213	9525342	Gmdrm	hypo	CHG	-0.3767
Gm10	9547483	9547843	Gmdrm	hypo	CHG	-0.3121
Gm10	9548642	9548848	Gmdrm	hypo	CHG	-0.054
Gm10	9548964	9549356	Gmdrm	hypo	CHG	-0.3494
Gm10	9602322	9602423	Gmdrm	hypo	CHG	-0.5189
Gm10	9602576	9602665	Gmdrm	hypo	CHG	-0.5066
Gm10	9619091	9619294	Gmdrm	hypo	CHG	-0.4693
Gm10	9619830	9620043	Gmdrm	hypo	CHG	-0.5089
Gm10	9620144	9620227	Gmdrm	hypo	CHG	-0.7357
Gm10	9654368	9654621	Gmdrm	hypo	CHG	-0.5133
Gm10	9666796	9666890	Gmdrm	hypo	CHG	-0.456
Gm10	9667207	9667339	Gmdrm	hypo	CHG	-0.1233
Gm10	9674939	9674971	Gmdrm	hypo	CHG	-0.2434

Gm10	9675555	9675696	Gmdrm	hypo	CHG	-0.2779
Gm10	9675994	9676187	Gmdrm	hypo	CHG	-0.4167
Gm10	9676460	9676556	Gmdrm	hypo	CHG	-0.3149
Gm10	9679012	9679115	Gmdrm	hypo	CHG	-0.0583
Gm10	9679278	9679318	Gmdrm	hypo	CHG	-0.7233
Gm10	9679827	9679878	Gmdrm	hypo	CHG	-0.815
Gm10	9691023	9691215	Gmdrm	hypo	CHG	-0.6258
Gm10	9709382	9709858	Gmdrm	hypo	CHG	-0.4404
Gm10	9710153	9710228	Gmdrm	hypo	CHG	-0.432
Gm10	9716945	9717167	Gmdrm	hypo	CHG	-0.036
Gm10	9717933	9718052	Gmdrm	hypo	CHG	-0.3615
Gm10	9718469	9719092	Gmdrm	hypo	CHG	-0.2283
Gm10	9727828	9727960	Gmdrm	hypo	CHG	-0.06
Gm10	9739900	9740074	Gmdrm	hypo	CHG	-0.805
Gm10	9757625	9757769	Gmdrm	hypo	CHG	-0.074
Gm10	9778593	9778687	Gmdrm	hypo	CHG	-0.935
Gm10	9797790	9797949	Gmdrm	hypo	CHG	-0.5167
Gm10	9801397	9801415	Gmdrm	hypo	CHG	-0.0816
Gm10	9804025	9804069	Gmdrm	hypo	CHG	-0.3583
Gm10	9804750	9804802	Gmdrm	hypo	CHG	-0.2816
Gm10	9829648	9829857	Gmdrm	hypo	CHG	-0.354
Gm10	9830109	9830321	Gmdrm	hypo	CHG	-0.4582
Gm10	9890170	9890362	Gmdrm	hypo	CHG	-0.0311
Gm10	9963921	9964047	Gmdrm	hypo	CHG	-0.0746
Gm10	9976313	9976508	Gmdrm	hypo	CHG	-0.636
Gm10	9979331	9979597	Gmdrm	hypo	CHG	-0.2115
Gm10	9979716	9979745	Gmdrm	hypo	CHG	-0.384
Gm10	10003512	10004504	Gmdrm	hypo	CHG	-0.6518
Gm10	10044538	10044652	Gmdrm	hypo	CHG	-0.516
Gm10	10054120	10054219	Gmdrm	hypo	CHG	-0.3983
Gm10	10062241	10062361	Gmdrm	hypo	CHG	-0.2513
Gm10	10064348	10064580	Gmdrm	hypo	CHG	-0.0333
Gm10	10074135	10074239	Gmdrm	hypo	CHG	-0.6122
Gm10	10074360	10074596	Gmdrm	hypo	CHG	-0.7242
Gm10	10137458	10137479	Gmdrm	hypo	CHG	-0.1784
Gm10	10224896	10224952	Gmdrm	hypo	CHG	-0.5643
Gm10	10254807	10254911	Gmdrm	hypo	CHG	-0.4787
Gm10	10255095	10255358	Gmdrm	hypo	CHG	-0.7666
Gm10	10263070	10263142	Gmdrm	hypo	CHG	-0.8183
Gm10	10288730	10288937	Gmdrm	hypo	CHG	-0.7833
Gm10	10297809	10298007	Gmdrm	hypo	CHG	-0.4822
Gm10	10299996	10300062	Gmdrm	hypo	CHG	-0.314
Gm10	10344240	10344363	Gmdrm	hypo	CHG	-0.39
Gm10	10387536	10387794	Gmdrm	hypo	CHG	-0.315
Gm10	10387966	10388012	Gmdrm	hypo	CHG	-0.5566
Gm10	10401312	10401443	Gmdrm	hypo	CHG	-0.1862

Gm10	10432385	10432493	Gmdrm	hypo	CHG	-0.19
Gm10	10435194	10435322	Gmdrm	hypo	CHG	-0.1611
Gm10	10455733	10456144	Gmdrm	hypo	CHG	-0.3386
Gm10	10470497	10470550	Gmdrm	hypo	CHG	-0.25
Gm10	10593745	10593879	Gmdrm	hypo	CHG	-0.315
Gm10	10595691	10596095	Gmdrm	hypo	CHG	-0.3309
Gm10	10684237	10685168	Gmdrm	hypo	CHG	-0.1339
Gm10	10690253	10690500	Gmdrm	hypo	CHG	-0.2255
Gm10	10690960	10691113	Gmdrm	hypo	CHG	-0.199
Gm10	10792790	10793029	Gmdrm	hypo	CHG	-0.2544
Gm10	10871681	10871812	Gmdrm	hypo	CHG	-0.3563
Gm10	10905443	10905513	Gmdrm	hypo	CHG	-0.094
Gm10	10905725	10906017	Gmdrm	hypo	CHG	-0.2241
Gm10	10906208	10906292	Gmdrm	hypo	CHG	-0.5733
Gm10	10956578	10956774	Gmdrm	hypo	CHG	-0.095
Gm10	10990460	10990700	Gmdrm	hypo	CHG	-0.5856
Gm10	11004622	11004768	Gmdrm	hypo	CHG	-0.0933
Gm10	11016816	11016830	Gmdrm	hypo	CHG	-0.3916
Gm10	11018083	11018643	Gmdrm	hypo	CHG	-0.2393
Gm10	11037821	11038059	Gmdrm	hypo	CHG	-0.084
Gm10	11042410	11042695	Gmdrm	hypo	CHG	-0.0936
Gm10	11044872	11045439	Gmdrm	hypo	CHG	-0.7285
Gm10	11046576	11046696	Gmdrm	hypo	CHG	-0.34
Gm10	11051075	11051180	Gmdrm	hypo	CHG	-0.5434
Gm10	11065725	11065817	Gmdrm	hypo	CHG	-0.6885
Gm10	11102458	11102538	Gmdrm	hypo	CHG	-0.5083
Gm10	11143728	11143910	Gmdrm	hypo	CHG	-0.33
Gm10	11172452	11172499	Gmdrm	hypo	CHG	-0.7067
Gm10	11275523	11275765	Gmdrm	hypo	CHG	-0.6345
Gm10	11275896	11275973	Gmdrm	hypo	CHG	-0.0617
Gm10	11299409	11299526	Gmdrm	hypo	CHG	-0.39
Gm10	11299728	11299887	Gmdrm	hypo	CHG	-0.4187
Gm10	11300010	11300365	Gmdrm	hypo	CHG	-0.5457
Gm10	11552661	11553017	Gmdrm	hypo	CHG	-0.1038
Gm10	11608636	11608743	Gmdrm	hypo	CHG	-0.084
Gm10	11641090	11641435	Gmdrm	hypo	CHG	-0.2716
Gm10	11661358	11661421	Gmdrm	hypo	CHG	-0.222
Gm10	11686376	11686467	Gmdrm	hypo	CHG	-0.142
Gm10	11686627	11686777	Gmdrm	hypo	CHG	-0.058
Gm10	11687977	11688302	Gmdrm	hypo	CHG	-0.42
Gm10	11690038	11690307	Gmdrm	hypo	CHG	-0.4729
Gm10	11704046	11704117	Gmdrm	hypo	CHG	-0.34
Gm10	11704288	11704315	Gmdrm	hypo	CHG	-0.698
Gm10	11704481	11704566	Gmdrm	hypo	CHG	-0.6787
Gm10	11706315	11706653	Gmdrm	hypo	CHG	-0.56
Gm10	11719682	11719825	Gmdrm	hypo	CHG	-0.5884

Gm10	11724252	11724366	Gmdrm	hypo	CHG	-0.3837
Gm10	11742396	11743387	Gmdrm	hypo	CHG	-0.1939
Gm10	11743405	11744160	Gmdrm	hypo	CHG	-0.4098
Gm10	11744263	11745247	Gmdrm	hypo	CHG	-0.3786
Gm10	11745280	11746268	Gmdrm	hypo	CHG	-0.4194
Gm10	11746304	11747206	Gmdrm	hypo	CHG	-0.3191
Gm10	11747314	11747927	Gmdrm	hypo	CHG	-0.2369
Gm10	11748035	11749019	Gmdrm	hypo	CHG	-0.3278
Gm10	11763090	11763139	Gmdrm	hypo	CHG	-0.079
Gm10	11776605	11776880	Gmdrm	hypo	CHG	-0.2833
Gm10	11795698	11795785	Gmdrm	hypo	CHG	-0.0833
Gm10	11806631	11806717	Gmdrm	hypo	CHG	-0.318
Gm10	11806824	11807022	Gmdrm	hypo	CHG	-0.392
Gm10	11807136	11807163	Gmdrm	hypo	CHG	-0.0633
Gm10	11810385	11810548	Gmdrm	hypo	CHG	-0.0488
Gm10	11812205	11812446	Gmdrm	hypo	CHG	-0.522
Gm10	11815630	11815802	Gmdrm	hypo	CHG	-0.042
Gm10	11830522	11830663	Gmdrm	hypo	CHG	-0.2018
Gm10	11834232	11834416	Gmdrm	hypo	CHG	-0.3315
Gm10	11857239	11857512	Gmdrm	hypo	CHG	-0.1223
Gm10	11870551	11870653	Gmdrm	hypo	CHG	-0.5614
Gm10	11871353	11871458	Gmdrm	hypo	CHG	-0.7434
Gm10	11872556	11872969	Gmdrm	hypo	CHG	-0.2871
Gm10	11916294	11916553	Gmdrm	hypo	CHG	-0.77
Gm10	11917255	11917718	Gmdrm	hypo	CHG	-0.286
Gm10	11918155	11918362	Gmdrm	hypo	CHG	-0.4114
Gm10	11928347	11928446	Gmdrm	hypo	CHG	-0.55
Gm10	11930458	11930578	Gmdrm	hypo	CHG	-0.5789
Gm10	11931235	11931480	Gmdrm	hypo	CHG	-0.2446
Gm10	11932234	11932483	Gmdrm	hypo	CHG	-0.2566
Gm10	11960405	11960452	Gmdrm	hypo	CHG	-0.714
Gm10	12052128	12052252	Gmdrm	hypo	CHG	-0.5834
Gm10	12052419	12052470	Gmdrm	hypo	CHG	-0.6638
Gm10	12088789	12089415	Gmdrm	hypo	CHG	-0.3352
Gm10	12102148	12102261	Gmdrm	hypo	CHG	-0.4558
Gm10	12102509	12102766	Gmdrm	hypo	CHG	-0.1056
Gm10	12112560	12112613	Gmdrm	hypo	CHG	-0.13
Gm10	12128155	12128299	Gmdrm	hypo	CHG	-0.0443
Gm10	12134946	12135364	Gmdrm	hypo	CHG	-0.2829
Gm10	12137531	12138123	Gmdrm	hypo	CHG	-0.2204
Gm10	12146706	12146817	Gmdrm	hypo	CHG	-0.4115
Gm10	12180090	12180180	Gmdrm	hypo	CHG	-0.1662
Gm10	12246919	12247029	Gmdrm	hypo	CHG	-0.4633
Gm10	12247206	12247360	Gmdrm	hypo	CHG	-0.4234
Gm10	12251110	12251283	Gmdrm	hypo	CHG	-0.4491
Gm10	12403841	12403914	Gmdrm	hypo	CHG	-0.046

Gm10	12404985	12405094	Gmdrm	hypo	CHG	-0.03
Gm10	12453274	12453361	Gmdrm	hypo	CHG	-0.537
Gm10	12481416	12481561	Gmdrm	hypo	CHG	-0.0355
Gm10	12487422	12487838	Gmdrm	hypo	CHG	-0.2269
Gm10	12488864	12488928	Gmdrm	hypo	CHG	-0.7666
Gm10	12490337	12490493	Gmdrm	hypo	CHG	-0.506
Gm10	12617685	12617755	Gmdrm	hypo	CHG	-0.2483
Gm10	12709542	12709699	Gmdrm	hypo	CHG	-0.52
Gm10	12710011	12710226	Gmdrm	hypo	CHG	-0.0483
Gm10	12730955	12731002	Gmdrm	hypo	CHG	-0.1233
Gm10	12733689	12733792	Gmdrm	hypo	CHG	-0.3572
Gm10	12733920	12733995	Gmdrm	hypo	CHG	-0.7044
Gm10	12734141	12734277	Gmdrm	hypo	CHG	-0.6267
Gm10	12763928	12764229	Gmdrm	hypo	CHG	-0.2162
Gm10	12829767	12830100	Gmdrm	hypo	CHG	-0.2125
Gm10	12935620	12935726	Gmdrm	hypo	CHG	-0.1467
Gm10	12958938	12959153	Gmdrm	hypo	CHG	-0.18
Gm10	13024095	13024324	Gmdrm	hypo	CHG	-0.4115
Gm10	13026968	13027027	Gmdrm	hypo	CHG	-0.046
Gm10	13050462	13050531	Gmdrm	hypo	CHG	-0.0916
Gm10	13050661	13050773	Gmdrm	hypo	CHG	-0.6329
Gm10	13056320	13056383	Gmdrm	hypo	CHG	-0.414
Gm10	13057866	13057988	Gmdrm	hypo	CHG	-0.4166
Gm10	13074004	13074154	Gmdrm	hypo	CHG	-0.2433
Gm10	13094210	13094553	Gmdrm	hypo	CHG	-0.045
Gm10	13098136	13098307	Gmdrm	hypo	CHG	-0.1858
Gm10	13119708	13120001	Gmdrm	hypo	CHG	-0.3325
Gm10	13122496	13122796	Gmdrm	hypo	CHG	-0.2672
Gm10	13151302	13151354	Gmdrm	hypo	CHG	-0.04
Gm10	13167747	13167904	Gmdrm	hypo	CHG	-0.7134
Gm10	13168013	13168392	Gmdrm	hypo	CHG	-0.6305
Gm10	13168515	13168603	Gmdrm	hypo	CHG	-0.5238
Gm10	13174458	13174819	Gmdrm	hypo	CHG	-0.4667
Gm10	13175632	13175732	Gmdrm	hypo	CHG	-0.352
Gm10	13233209	13233299	Gmdrm	hypo	CHG	-0.49
Gm10	13237063	13237259	Gmdrm	hypo	CHG	-0.058
Gm10	13250443	13250635	Gmdrm	hypo	CHG	-0.3572
Gm10	13253605	13253835	Gmdrm	hypo	CHG	-0.6282
Gm10	13261192	13261495	Gmdrm	hypo	CHG	-0.1185
Gm10	13274996	13275114	Gmdrm	hypo	CHG	-0.2072
Gm10	13285634	13285686	Gmdrm	hypo	CHG	-0.616
Gm10	13302202	13302315	Gmdrm	hypo	CHG	-0.045
Gm10	13309294	13309412	Gmdrm	hypo	CHG	-0.5414
Gm10	13309813	13309981	Gmdrm	hypo	CHG	-0.566
Gm10	13310298	13310468	Gmdrm	hypo	CHG	-0.1883
Gm10	13350409	13350467	Gmdrm	hypo	CHG	-0.4912

Gm10	13351046	13351135	Gmdrm	hypo	CHG	-0.474
Gm10	13352858	13353043	Gmdrm	hypo	CHG	-0.76
Gm10	13390639	13390836	Gmdrm	hypo	CHG	-0.0531
Gm10	13398367	13398567	Gmdrm	hypo	CHG	-0.0667
Gm10	13402293	13402541	Gmdrm	hypo	CHG	-0.4537
Gm10	13405447	13405551	Gmdrm	hypo	CHG	-0.1872
Gm10	13420182	13420362	Gmdrm	hypo	CHG	-0.2364
Gm10	13421518	13421560	Gmdrm	hypo	CHG	-0.566
Gm10	13433482	13433699	Gmdrm	hypo	CHG	-0.0709
Gm10	13444806	13444919	Gmdrm	hypo	CHG	-0.4067
Gm10	13447834	13448043	Gmdrm	hypo	CHG	-0.4027
Gm10	13454822	13454897	Gmdrm	hypo	CHG	-0.29
Gm10	13526728	13526844	Gmdrm	hypo	CHG	-0.5566
Gm10	13690336	13690784	Gmdrm	hypo	CHG	-0.1903
Gm10	13692507	13693436	Gmdrm	hypo	CHG	-0.1279
Gm10	13695250	13695892	Gmdrm	hypo	CHG	-0.25
Gm10	13705223	13705431	Gmdrm	hypo	CHG	-0.052
Gm10	13707614	13707949	Gmdrm	hypo	CHG	-0.114
Gm10	13709620	13709781	Gmdrm	hypo	CHG	-0.4011
Gm10	13750885	13751255	Gmdrm	hypo	CHG	-0.277
Gm10	13760848	13761837	Gmdrm	hypo	CHG	-0.1693
Gm10	14509008	14509358	Gmdrm	hypo	CHG	-0.23
Gm10	14511187	14511598	Gmdrm	hypo	CHG	-0.2539
Gm10	14511708	14511743	Gmdrm	hypo	CHG	-0.2663
Gm10	14590352	14590483	Gmdrm	hypo	CHG	-0.174
Gm10	14595312	14595751	Gmdrm	hypo	CHG	-0.1761
Gm10	14598404	14598566	Gmdrm	hypo	CHG	-0.3107
Gm10	14598893	14599841	Gmdrm	hypo	CHG	-0.3575
Gm10	14599971	14600120	Gmdrm	hypo	CHG	-0.3675
Gm10	14600463	14600619	Gmdrm	hypo	CHG	-0.3407
Gm10	14601046	14601736	Gmdrm	hypo	CHG	-0.1909
Gm10	14602149	14602236	Gmdrm	hypo	CHG	-0.312
Gm10	14612402	14612528	Gmdrm	hypo	CHG	-0.312
Gm10	14613101	14613159	Gmdrm	hypo	CHG	-0.3972
Gm10	14643162	14643202	Gmdrm	hypo	CHG	-0.4917
Gm10	14643706	14644156	Gmdrm	hypo	CHG	-0.5772
Gm10	14644296	14644735	Gmdrm	hypo	CHG	-0.1458
Gm10	14792974	14793974	Gmdrm	hypo	CHG	-0.1952
Gm10	14828308	14828529	Gmdrm	hypo	CHG	-0.331
Gm10	14828712	14828788	Gmdrm	hypo	CHG	-0.35
Gm10	14829803	14829887	Gmdrm	hypo	CHG	-0.33
Gm10	14884816	14884967	Gmdrm	hypo	CHG	-0.1734
Gm10	14891953	14892927	Gmdrm	hypo	CHG	-0.1371
Gm10	14954966	14955154	Gmdrm	hypo	CHG	-0.3784
Gm10	15054471	15054603	Gmdrm	hypo	CHG	-0.715
Gm10	15055286	15055487	Gmdrm	hypo	CHG	-0.8315

Gm10	15056977	15057198	Gmdrm	hypo	CHG	-0.325
Gm10	15057972	15058257	Gmdrm	hypo	CHG	-0.4477
Gm10	15100740	15100883	Gmdrm	hypo	CHG	-0.4763
Gm10	15104200	15104515	Gmdrm	hypo	CHG	-0.3622
Gm10	15106976	15107095	Gmdrm	hypo	CHG	-0.0957
Gm10	15111878	15111934	Gmdrm	hypo	CHG	-0.5483
Gm10	15298922	15299047	Gmdrm	hypo	CHG	-0.2191
Gm10	15299734	15299963	Gmdrm	hypo	CHG	-0.2855
Gm10	15363435	15363714	Gmdrm	hypo	CHG	-0.1357
Gm10	15406870	15407360	Gmdrm	hypo	CHG	-0.26
Gm10	15407471	15407593	Gmdrm	hypo	CHG	-0.4567
Gm10	15426983	15427202	Gmdrm	hypo	CHG	-0.135
Gm10	15825638	15825797	Gmdrm	hypo	CHG	-0.62
Gm10	15837947	15838210	Gmdrm	hypo	CHG	-0.385
Gm10	15850246	15850594	Gmdrm	hypo	CHG	-0.3993
Gm10	16072506	16072527	Gmdrm	hypo	CHG	-0.1417
Gm10	16159229	16159291	Gmdrm	hypo	CHG	-0.0757
Gm10	16170994	16171205	Gmdrm	hypo	CHG	-0.0328
Gm10	16477044	16477270	Gmdrm	hypo	CHG	-0.82
Gm10	16483310	16483474	Gmdrm	hypo	CHG	-0.245
Gm10	16495058	16495228	Gmdrm	hypo	CHG	-0.5112
Gm10	16506825	16506993	Gmdrm	hypo	CHG	-0.235
Gm10	16556732	16556978	Gmdrm	hypo	CHG	-0.3425
Gm10	16596991	16597168	Gmdrm	hypo	CHG	-0.112
Gm10	16598636	16598811	Gmdrm	hypo	CHG	-0.6636
Gm10	16603718	16603930	Gmdrm	hypo	CHG	-0.5414
Gm10	16604572	16604669	Gmdrm	hypo	CHG	-0.4975
Gm10	16662359	16662846	Gmdrm	hypo	CHG	-0.3317
Gm10	16664877	16665000	Gmdrm	hypo	CHG	-0.3267
Gm10	16699403	16699944	Gmdrm	hypo	CHG	-0.2589
Gm10	16700326	16700514	Gmdrm	hypo	CHG	-0.5018
Gm10	16700632	16700790	Gmdrm	hypo	CHG	-0.11
Gm10	16729878	16730112	Gmdrm	hypo	CHG	-0.0389
Gm10	16763581	16763665	Gmdrm	hypo	CHG	-0.5533
Gm10	16767312	16767339	Gmdrm	hypo	CHG	-0.1534
Gm10	16789724	16790203	Gmdrm	hypo	CHG	-0.35
Gm10	16793389	16793574	Gmdrm	hypo	CHG	-0.3513
Gm10	16806056	16806255	Gmdrm	hypo	CHG	-0.538
Gm10	16811358	16811801	Gmdrm	hypo	CHG	-0.2473
Gm10	16817283	16817378	Gmdrm	hypo	CHG	-0.67
Gm10	16821850	16822116	Gmdrm	hypo	CHG	-0.292
Gm10	16827123	16827283	Gmdrm	hypo	CHG	-0.6924
Gm10	16870498	16870542	Gmdrm	hypo	CHG	-0.9166
Gm10	16870682	16870727	Gmdrm	hypo	CHG	-0.8233
Gm10	16886560	16886745	Gmdrm	hypo	CHG	-0.3978
Gm10	16909802	16909990	Gmdrm	hypo	CHG	-0.3508

Gm10	16914871	16915214	Gmdrm	hypo	CHG	-0.3493
Gm10	17027317	17027726	Gmdrm	hypo	CHG	-0.26
Gm10	17043496	17043954	Gmdrm	hypo	CHG	-0.2755
Gm10	17134649	17135257	Gmdrm	hypo	CHG	-0.1661
Gm10	17139211	17139399	Gmdrm	hypo	CHG	-0.3486
Gm10	17139512	17139989	Gmdrm	hypo	CHG	-0.3197
Gm10	17267062	17267372	Gmdrm	hypo	CHG	-0.3022
Gm10	17514383	17514746	Gmdrm	hypo	CHG	-0.012
Gm10	17700455	17700574	Gmdrm	hypo	CHG	-0.77
Gm10	18065925	18066301	Gmdrm	hypo	CHG	-0.05
Gm10	18071306	18071456	Gmdrm	hypo	CHG	-0.5823
Gm10	18071668	18071710	Gmdrm	hypo	CHG	-0.614
Gm10	18072347	18072564	Gmdrm	hypo	CHG	-0.5958
Gm10	18240578	18240796	Gmdrm	hypo	CHG	-0.1939
Gm10	18259054	18259151	Gmdrm	hypo	CHG	-0.2844
Gm10	18421667	18422176	Gmdrm	hypo	CHG	-0.3023
Gm10	18654242	18654365	Gmdrm	hypo	CHG	-0.4867
Gm10	18654553	18654699	Gmdrm	hypo	CHG	-0.68
Gm10	18692877	18692914	Gmdrm	hypo	CHG	-0.7016
Gm10	18944799	18945006	Gmdrm	hypo	CHG	-0.095
Gm10	18991594	18991811	Gmdrm	hypo	CHG	-0.1215
Gm10	19087332	19087764	Gmdrm	hypo	CHG	-0.2526
Gm10	19095545	19095681	Gmdrm	hypo	CHG	-0.715
Gm10	19569070	19569215	Gmdrm	hypo	CHG	-0.538
Gm10	19569325	19569516	Gmdrm	hypo	CHG	-0.5663
Gm10	19570488	19570751	Gmdrm	hypo	CHG	-0.48
Gm10	19641280	19641530	Gmdrm	hypo	CHG	-0.256
Gm10	19645840	19645995	Gmdrm	hypo	CHG	-0.206
Gm10	19983734	19983877	Gmdrm	hypo	CHG	-0.2633
Gm10	20006243	20006300	Gmdrm	hypo	CHG	-0.1274
Gm10	20273547	20273655	Gmdrm	hypo	CHG	-0.454
Gm10	20392442	20392786	Gmdrm	hypo	CHG	-0.5904
Gm10	20394472	20395471	Gmdrm	hypo	CHG	-0.235
Gm10	20404333	20404822	Gmdrm	hypo	CHG	-0.2661
Gm10	20404928	20405246	Gmdrm	hypo	CHG	-0.2582
Gm10	20405347	20406331	Gmdrm	hypo	CHG	-0.1881
Gm10	20730435	20730482	Gmdrm	hypo	CHG	-0.1733
Gm10	20953979	20954276	Gmdrm	hypo	CHG	-0.278
Gm10	21211007	21211121	Gmdrm	hypo	CHG	-0.255
Gm10	21258115	21258628	Gmdrm	hypo	CHG	-0.2174
Gm10	21270408	21271065	Gmdrm	hypo	CHG	-0.0578
Gm10	21277664	21277720	Gmdrm	hypo	CHG	-0.1916
Gm10	21277995	21278049	Gmdrm	hypo	CHG	-0.5567
Gm10	21288648	21288790	Gmdrm	hypo	CHG	-0.454
Gm10	21288910	21288995	Gmdrm	hypo	CHG	-0.3733
Gm10	21290479	21290980	Gmdrm	hypo	CHG	-0.4846

Gm10	21338860	21339122	Gmdrm	hypo	CHG	-0.46
Gm10	21386074	21386492	Gmdrm	hypo	CHG	-0.3541
Gm10	21506926	21507058	Gmdrm	hypo	CHG	-0.1537
Gm10	21518555	21518654	Gmdrm	hypo	CHG	-0.098
Gm10	21535805	21536437	Gmdrm	hypo	CHG	-0.2795
Gm10	21560970	21561129	Gmdrm	hypo	CHG	-0.4075
Gm10	21569750	21570196	Gmdrm	hypo	CHG	-0.5561
Gm10	21574306	21574452	Gmdrm	hypo	CHG	-0.3242
Gm10	21598958	21599431	Gmdrm	hypo	CHG	-0.0578
Gm10	21606126	21606192	Gmdrm	hypo	CHG	-0.6784
Gm10	21607071	21607291	Gmdrm	hypo	CHG	-0.3725
Gm10	21613394	21613458	Gmdrm	hypo	CHG	-0.205
Gm10	21684245	21684495	Gmdrm	hypo	CHG	-0.3143
Gm10	21758054	21758137	Gmdrm	hypo	CHG	-0.158
Gm10	21762312	21762462	Gmdrm	hypo	CHG	-0.066
Gm10	21766738	21767010	Gmdrm	hypo	CHG	-0.2521
Gm10	21774848	21775434	Gmdrm	hypo	CHG	-0.1458
Gm10	21775576	21776003	Gmdrm	hypo	CHG	-0.2219
Gm10	21793500	21793554	Gmdrm	hypo	CHG	-0.2
Gm10	21878502	21878637	Gmdrm	hypo	CHG	-0.644
Gm10	21880785	21880898	Gmdrm	hypo	CHG	-0.5057
Gm10	21881925	21882222	Gmdrm	hypo	CHG	-0.3516
Gm10	22378838	22379156	Gmdrm	hypo	CHG	-0.0384
Gm10	22382977	22383936	Gmdrm	hypo	CHG	-0.1705
Gm10	22384042	22385040	Gmdrm	hypo	CHG	-0.1838
Gm10	22394227	22394807	Gmdrm	hypo	CHG	-0.3393
Gm10	22404444	22404566	Gmdrm	hypo	CHG	-0.6024
Gm10	22459741	22459833	Gmdrm	hypo	CHG	-0.5
Gm10	22459963	22460116	Gmdrm	hypo	CHG	-0.6369
Gm10	22464242	22464278	Gmdrm	hypo	CHG	-0.29
Gm10	22464398	22464450	Gmdrm	hypo	CHG	-0.538
Gm10	22612522	22612607	Gmdrm	hypo	CHG	-0.2214
Gm10	22742602	22742710	Gmdrm	hypo	CHG	-0.224
Gm10	22789496	22790235	Gmdrm	hypo	CHG	-0.2
Gm10	22794154	22794351	Gmdrm	hypo	CHG	-0.1313
Gm10	22848321	22848460	Gmdrm	hypo	CHG	-0.28
Gm10	22848861	22849380	Gmdrm	hypo	CHG	-0.1668
Gm10	22849508	22849652	Gmdrm	hypo	CHG	-0.43
Gm10	22849933	22850336	Gmdrm	hypo	CHG	-0.4381
Gm10	22850723	22851710	Gmdrm	hypo	CHG	-0.3578
Gm10	22899742	22899856	Gmdrm	hypo	CHG	-0.4011
Gm10	22900579	22901564	Gmdrm	hypo	CHG	-0.1776
Gm10	22901614	22902007	Gmdrm	hypo	CHG	-0.1589
Gm10	22910549	22911053	Gmdrm	hypo	CHG	-0.1042
Gm10	22911173	22911558	Gmdrm	hypo	CHG	-0.2291
Gm10	22914375	22915295	Gmdrm	hypo	CHG	-0.2429

Gm10	23083336	23083491	Gmdrm	hypo	CHG	-0.9225
Gm10	23083608	23083663	Gmdrm	hypo	CHG	-0.8487
Gm10	23183916	23184164	Gmdrm	hypo	CHG	-0.5194
Gm10	23196930	23197608	Gmdrm	hypo	CHG	-0.22
Gm10	23282755	23282995	Gmdrm	hypo	CHG	-0.6786
Gm10	23284691	23284969	Gmdrm	hypo	CHG	-0.0743
Gm10	23294706	23295693	Gmdrm	hypo	CHG	-0.2031
Gm10	23344950	23345119	Gmdrm	hypo	CHG	-0.7875
Gm10	23348317	23348434	Gmdrm	hypo	CHG	-0.2945
Gm10	23352434	23353422	Gmdrm	hypo	CHG	-0.1534
Gm10	23353449	23354142	Gmdrm	hypo	CHG	-0.1809
Gm10	23354246	23354666	Gmdrm	hypo	CHG	-0.1907
Gm10	23363884	23364023	Gmdrm	hypo	CHG	-0.4642
Gm10	23366117	23366307	Gmdrm	hypo	CHG	-0.0845
Gm10	23368100	23368257	Gmdrm	hypo	CHG	-0.3191
Gm10	23369518	23369644	Gmdrm	hypo	CHG	-0.1386
Gm10	23387690	23387779	Gmdrm	hypo	CHG	-0.1443
Gm10	23655150	23655262	Gmdrm	hypo	CHG	-0.656
Gm10	23659061	23659282	Gmdrm	hypo	CHG	-0.5409
Gm10	23659384	23659630	Gmdrm	hypo	CHG	-0.522
Gm10	23682129	23682342	Gmdrm	hypo	CHG	-0.5337
Gm10	23694281	23694840	Gmdrm	hypo	CHG	-0.7197
Gm10	23728746	23728943	Gmdrm	hypo	CHG	-0.3871
Gm10	23729320	23729463	Gmdrm	hypo	CHG	-0.85
Gm10	23730592	23730851	Gmdrm	hypo	CHG	-0.0773
Gm10	23730955	23731949	Gmdrm	hypo	CHG	-0.144
Gm10	23892935	23893269	Gmdrm	hypo	CHG	-0.175
Gm10	23896080	23896207	Gmdrm	hypo	CHG	-0.1951
Gm10	23900948	23901225	Gmdrm	hypo	CHG	-0.2125
Gm10	23962178	23962320	Gmdrm	hypo	CHG	-0.5501
Gm10	23962452	23962527	Gmdrm	hypo	CHG	-0.51
Gm10	23988843	23988973	Gmdrm	hypo	CHG	-0.3188
Gm10	24061164	24061252	Gmdrm	hypo	CHG	-0.058
Gm10	24063187	24063276	Gmdrm	hypo	CHG	-0.315
Gm10	24064881	24065202	Gmdrm	hypo	CHG	-0.2461
Gm10	24142455	24142635	Gmdrm	hypo	CHG	-0.2764
Gm10	24161872	24162344	Gmdrm	hypo	CHG	-0.1776
Gm10	24167204	24167690	Gmdrm	hypo	CHG	-0.2934
Gm10	24187930	24188074	Gmdrm	hypo	CHG	-0.3289
Gm10	24201121	24201203	Gmdrm	hypo	CHG	-0.5671
Gm10	24207356	24207592	Gmdrm	hypo	CHG	-0.2022
Gm10	24237962	24238176	Gmdrm	hypo	CHG	-0.0329
Gm10	24254853	24254994	Gmdrm	hypo	CHG	-0.44
Gm10	24258546	24258821	Gmdrm	hypo	CHG	-0.2604
Gm10	24341327	24341814	Gmdrm	hypo	CHG	-0.2341
Gm10	24346037	24346200	Gmdrm	hypo	CHG	-0.444

Gm10	24346327	24346902	Gmdrm	hypo	CHG	-0.5922
Gm10	24374073	24374255	Gmdrm	hypo	CHG	-0.3266
Gm10	24404270	24404340	Gmdrm	hypo	CHG	-0.3374
Gm10	24404460	24404777	Gmdrm	hypo	CHG	-0.2159
Gm10	24418364	24418525	Gmdrm	hypo	CHG	-0.078
Gm10	24418717	24418928	Gmdrm	hypo	CHG	-0.0492
Gm10	24419106	24419348	Gmdrm	hypo	CHG	-0.7278
Gm10	24419887	24420334	Gmdrm	hypo	CHG	-0.4182
Gm10	24438618	24438641	Gmdrm	hypo	CHG	-0.268
Gm10	24445372	24445530	Gmdrm	hypo	CHG	-0.4483
Gm10	24450831	24450952	Gmdrm	hypo	CHG	-0.6333
Gm10	24475224	24475360	Gmdrm	hypo	CHG	-0.747
Gm10	24489956	24490090	Gmdrm	hypo	CHG	-0.242
Gm10	24539827	24540008	Gmdrm	hypo	CHG	-0.235
Gm10	24587862	24588072	Gmdrm	hypo	CHG	-0.1528
Gm10	24705844	24705989	Gmdrm	hypo	CHG	-0.1717
Gm10	24720726	24720896	Gmdrm	hypo	CHG	-0.076
Gm10	24804217	24804404	Gmdrm	hypo	CHG	-0.8375
Gm10	24807134	24807232	Gmdrm	hypo	CHG	-0.04
Gm10	24807695	24807804	Gmdrm	hypo	CHG	-0.3642
Gm10	24905824	24905958	Gmdrm	hypo	CHG	-0.3757
Gm10	24912683	24912719	Gmdrm	hypo	CHG	-0.1866
Gm10	24948409	24948534	Gmdrm	hypo	CHG	-0.278
Gm10	24950953	24951092	Gmdrm	hypo	CHG	-0.2034
Gm10	24951283	24951426	Gmdrm	hypo	CHG	-0.39
Gm10	24951549	24951662	Gmdrm	hypo	CHG	-0.2975
Gm10	24952067	24952287	Gmdrm	hypo	CHG	-0.5141
Gm10	24952428	24952499	Gmdrm	hypo	CHG	-0.36
Gm10	24952616	24952655	Gmdrm	hypo	CHG	-0.5
Gm10	24961896	24962253	Gmdrm	hypo	CHG	-0.3581
Gm10	24962360	24962643	Gmdrm	hypo	CHG	-0.5046
Gm10	24962786	24962942	Gmdrm	hypo	CHG	-0.1988
Gm10	24993504	24993699	Gmdrm	hypo	CHG	-0.4655
Gm10	25035330	25035774	Gmdrm	hypo	CHG	-0.2661
Gm10	25060531	25061317	Gmdrm	hypo	CHG	-0.0935
Gm10	25072859	25073197	Gmdrm	hypo	CHG	-0.3983
Gm10	25100747	25101152	Gmdrm	hypo	CHG	-0.1975
Gm10	25103220	25103322	Gmdrm	hypo	CHG	-0.054
Gm10	25130504	25130894	Gmdrm	hypo	CHG	-0.4592
Gm10	25170094	25170396	Gmdrm	hypo	CHG	-0.3764
Gm10	25181097	25181245	Gmdrm	hypo	CHG	-0.1675
Gm10	25181382	25181658	Gmdrm	hypo	CHG	-0.3162
Gm10	25182000	25182201	Gmdrm	hypo	CHG	-0.4195
Gm10	25192354	25192688	Gmdrm	hypo	CHG	-0.3425
Gm10	25192953	25193172	Gmdrm	hypo	CHG	-0.2377
Gm10	25193930	25194331	Gmdrm	hypo	CHG	-0.3386

Gm10	25283318	25283700	Gmdrm	hypo	CHG	-0.4933
Gm10	25284379	25284911	Gmdrm	hypo	CHG	-0.7029
Gm10	25287104	25287401	Gmdrm	hypo	CHG	-0.439
Gm10	25299210	25299238	Gmdrm	hypo	CHG	-0.468
Gm10	25301609	25301776	Gmdrm	hypo	CHG	-0.0555
Gm10	25302550	25302856	Gmdrm	hypo	CHG	-0.1327
Gm10	25302985	25303185	Gmdrm	hypo	CHG	-0.47
Gm10	25330245	25330425	Gmdrm	hypo	CHG	-0.2525
Gm10	25335647	25335822	Gmdrm	hypo	CHG	-0.1575
Gm10	25344276	25344456	Gmdrm	hypo	CHG	-0.1688
Gm10	25351928	25352081	Gmdrm	hypo	CHG	-0.102
Gm10	25355867	25356227	Gmdrm	hypo	CHG	-0.2927
Gm10	25368296	25369240	Gmdrm	hypo	CHG	-0.1853
Gm10	25372850	25373828	Gmdrm	hypo	CHG	-0.23
Gm10	25374774	25375014	Gmdrm	hypo	CHG	-0.217
Gm10	25495740	25495824	Gmdrm	hypo	CHG	-0.124
Gm10	25578543	25578627	Gmdrm	hypo	CHG	-0.166
Gm10	25600945	25601281	Gmdrm	hypo	CHG	-0.1673
Gm10	25613778	25613859	Gmdrm	hypo	CHG	-0.2614
Gm10	25667279	25667473	Gmdrm	hypo	CHG	-0.2446
Gm10	25697225	25697665	Gmdrm	hypo	CHG	-0.3885
Gm10	25697879	25698083	Gmdrm	hypo	CHG	-0.3475
Gm10	25698219	25698340	Gmdrm	hypo	CHG	-0.4212
Gm10	25698449	25698551	Gmdrm	hypo	CHG	-0.4425
Gm10	25698654	25698778	Gmdrm	hypo	CHG	-0.5422
Gm10	25698938	25699182	Gmdrm	hypo	CHG	-0.4262
Gm10	25699349	25699632	Gmdrm	hypo	CHG	-0.2824
Gm10	25700560	25700917	Gmdrm	hypo	CHG	-0.0756
Gm10	25761959	25762004	Gmdrm	hypo	CHG	-0.04
Gm10	25762162	25762269	Gmdrm	hypo	CHG	-0.2517
Gm10	25762392	25762611	Gmdrm	hypo	CHG	-0.63
Gm10	25762786	25762836	Gmdrm	hypo	CHG	-0.662
Gm10	25764898	25765061	Gmdrm	hypo	CHG	-0.4136
Gm10	25776427	25776557	Gmdrm	hypo	CHG	-0.6128
Gm10	25865055	25865116	Gmdrm	hypo	CHG	-0.82
Gm10	25866338	25866455	Gmdrm	hypo	CHG	-0.6667
Gm10	25866559	25866705	Gmdrm	hypo	CHG	-0.1458
Gm10	25870838	25870985	Gmdrm	hypo	CHG	-0.444
Gm10	25915932	25916064	Gmdrm	hypo	CHG	-0.457
Gm10	25916348	25916538	Gmdrm	hypo	CHG	-0.0666
Gm10	25920939	25921256	Gmdrm	hypo	CHG	-0.3986
Gm10	26125148	26125284	Gmdrm	hypo	CHG	-0.87
Gm10	26125534	26125826	Gmdrm	hypo	CHG	-0.6711
Gm10	26131143	26131160	Gmdrm	hypo	CHG	-0.462
Gm10	26139865	26140199	Gmdrm	hypo	CHG	-0.069
Gm10	26305046	26305384	Gmdrm	hypo	CHG	-0.3255

Gm10	26312622	26313048	Gmdrm	hypo	CHG	-0.2389
Gm10	26485333	26485552	Gmdrm	hypo	CHG	-0.2383
Gm10	26494596	26494934	Gmdrm	hypo	CHG	-0.0514
Gm10	26511254	26511477	Gmdrm	hypo	CHG	-0.2715
Gm10	26965523	26965928	Gmdrm	hypo	CHG	-0.8839
Gm10	26970462	26970807	Gmdrm	hypo	CHG	-0.5839
Gm10	27060422	27060661	Gmdrm	hypo	CHG	-0.1992
Gm10	27207736	27208210	Gmdrm	hypo	CHG	-0.1711
Gm10	27208376	27208506	Gmdrm	hypo	CHG	-0.3133
Gm10	27209165	27209244	Gmdrm	hypo	CHG	-0.495
Gm10	27211205	27211342	Gmdrm	hypo	CHG	-0.324
Gm10	27225926	27226153	Gmdrm	hypo	CHG	-0.04
Gm10	27227082	27227249	Gmdrm	hypo	CHG	-0.0775
Gm10	27227386	27227693	Gmdrm	hypo	CHG	-0.0664
Gm10	27228150	27228495	Gmdrm	hypo	CHG	-0.6482
Gm10	27229398	27229640	Gmdrm	hypo	CHG	-0.68
Gm10	27245165	27245492	Gmdrm	hypo	CHG	-0.6262
Gm10	27245888	27246087	Gmdrm	hypo	CHG	-0.8544
Gm10	27430880	27431153	Gmdrm	hypo	CHG	-0.2122
Gm10	27443320	27443368	Gmdrm	hypo	CHG	-0.8529
Gm10	27443991	27444266	Gmdrm	hypo	CHG	-0.2541
Gm10	27447265	27447381	Gmdrm	hypo	CHG	-0.69
Gm10	27447682	27447714	Gmdrm	hypo	CHG	-0.4917
Gm10	27447986	27448178	Gmdrm	hypo	CHG	-0.4143
Gm10	27660456	27660667	Gmdrm	hypo	CHG	-0.1005
Gm10	27676323	27676647	Gmdrm	hypo	CHG	-0.0959
Gm10	27771439	27771503	Gmdrm	hypo	CHG	-0.7067
Gm10	27771797	27771840	Gmdrm	hypo	CHG	-0.4917
Gm10	27824660	27824686	Gmdrm	hypo	CHG	-0.3216
Gm10	28014867	28015206	Gmdrm	hypo	CHG	-0.2536
Gm10	28152076	28152231	Gmdrm	hypo	CHG	-0.2849
Gm10	28236583	28236629	Gmdrm	hypo	CHG	-0.6317
Gm10	28237535	28237852	Gmdrm	hypo	CHG	-0.7681
Gm10	28238042	28238324	Gmdrm	hypo	CHG	-0.2683
Gm10	28344899	28345274	Gmdrm	hypo	CHG	-0.2616
Gm10	28450055	28450183	Gmdrm	hypo	CHG	-0.034
Gm10	28517496	28517642	Gmdrm	hypo	CHG	-0.0994
Gm10	28517752	28518153	Gmdrm	hypo	CHG	-0.1027
Gm10	28518339	28518938	Gmdrm	hypo	CHG	-0.0803
Gm10	28519039	28519246	Gmdrm	hypo	CHG	-0.0416
Gm10	28549938	28550082	Gmdrm	hypo	CHG	-0.1712
Gm10	28550268	28550386	Gmdrm	hypo	CHG	-0.1577
Gm10	28581852	28582851	Gmdrm	hypo	CHG	-0.4123
Gm10	28620852	28620996	Gmdrm	hypo	CHG	-0.2524
Gm10	28628054	28628231	Gmdrm	hypo	CHG	-0.2214
Gm10	28658909	28659173	Gmdrm	hypo	CHG	-0.2013

Gm10	28659368	28660325	Gmdrm	hypo	CHG	-0.2276
Gm10	28662168	28662457	Gmdrm	hypo	CHG	-0.425
Gm10	28730899	28731269	Gmdrm	hypo	CHG	-0.2369
Gm10	29069805	29069937	Gmdrm	hypo	CHG	-0.4634
Gm10	29083785	29083916	Gmdrm	hypo	CHG	-0.3883
Gm10	29084141	29084306	Gmdrm	hypo	CHG	-0.3686
Gm10	29085356	29085476	Gmdrm	hypo	CHG	-0.448
Gm10	29085950	29086046	Gmdrm	hypo	CHG	-0.7067
Gm10	29087527	29087807	Gmdrm	hypo	CHG	-0.2086
Gm10	29092600	29092740	Gmdrm	hypo	CHG	-0.4473
Gm10	29092843	29092870	Gmdrm	hypo	CHG	-0.798
Gm10	29162701	29162755	Gmdrm	hypo	CHG	-0.372
Gm10	29265079	29265144	Gmdrm	hypo	CHG	-0.3743
Gm10	29277576	29278572	Gmdrm	hypo	CHG	-0.5265
Gm10	29278591	29279145	Gmdrm	hypo	CHG	-0.5089
Gm10	29279251	29280238	Gmdrm	hypo	CHG	-0.2647
Gm10	29280261	29280804	Gmdrm	hypo	CHG	-0.1523
Gm10	29288061	29288744	Gmdrm	hypo	CHG	-0.1832
Gm10	29308572	29308756	Gmdrm	hypo	CHG	-0.3728
Gm10	29309922	29310390	Gmdrm	hypo	CHG	-0.1941
Gm10	29337933	29338340	Gmdrm	hypo	CHG	-0.3994
Gm10	29463274	29463445	Gmdrm	hypo	CHG	-0.4486
Gm10	29467756	29467966	Gmdrm	hypo	CHG	-0.0725
Gm10	29770692	29770733	Gmdrm	hypo	CHG	-0.422
Gm10	29891076	29891383	Gmdrm	hypo	CHG	-0.284
Gm10	29913354	29913535	Gmdrm	hypo	CHG	-0.05
Gm10	29914316	29914534	Gmdrm	hypo	CHG	-0.1054
Gm10	29932268	29932442	Gmdrm	hypo	CHG	-0.08
Gm10	29968771	29968978	Gmdrm	hypo	CHG	-0.4428
Gm10	29971127	29971225	Gmdrm	hypo	CHG	-0.5285
Gm10	29971389	29971709	Gmdrm	hypo	CHG	-0.302
Gm10	30101246	30102038	Gmdrm	hypo	CHG	-0.3575
Gm10	30102212	30102315	Gmdrm	hypo	CHG	-0.362
Gm10	30102469	30102773	Gmdrm	hypo	CHG	-0.1076
Gm10	30102906	30103548	Gmdrm	hypo	CHG	-0.0872
Gm10	30108711	30109688	Gmdrm	hypo	CHG	-0.1192
Gm10	30109796	30110395	Gmdrm	hypo	CHG	-0.2206
Gm10	30110508	30110983	Gmdrm	hypo	CHG	-0.2881
Gm10	30113213	30114165	Gmdrm	hypo	CHG	-0.1536
Gm10	30114834	30115637	Gmdrm	hypo	CHG	-0.1731
Gm10	30121125	30121295	Gmdrm	hypo	CHG	-0.0386
Gm10	30130454	30131070	Gmdrm	hypo	CHG	-0.2353
Gm10	30138831	30139077	Gmdrm	hypo	CHG	-0.05
Gm10	30153323	30153570	Gmdrm	hypo	CHG	-0.4069
Gm10	30173545	30173692	Gmdrm	hypo	CHG	-0.0275
Gm10	30175048	30175137	Gmdrm	hypo	CHG	-0.104

Gm10	30184814	30185336	Gmdrm	hypo	CHG	-0.2608
Gm10	30232691	30233015	Gmdrm	hypo	CHG	-0.3586
Gm10	30243551	30243734	Gmdrm	hypo	CHG	-0.1033
Gm10	30269947	30270115	Gmdrm	hypo	CHG	-0.755
Gm10	30270231	30270489	Gmdrm	hypo	CHG	-0.497
Gm10	30309365	30309592	Gmdrm	hypo	CHG	-0.2239
Gm10	30342059	30342240	Gmdrm	hypo	CHG	-0.058
Gm10	30474350	30474684	Gmdrm	hypo	CHG	-0.35
Gm10	30475671	30475832	Gmdrm	hypo	CHG	-0.6137
Gm10	30476132	30476284	Gmdrm	hypo	CHG	-0.8337
Gm10	30499873	30500069	Gmdrm	hypo	CHG	-0.7923
Gm10	30513276	30513490	Gmdrm	hypo	CHG	-0.2645
Gm10	30513802	30513916	Gmdrm	hypo	CHG	-0.728
Gm10	30514188	30514297	Gmdrm	hypo	CHG	-0.548
Gm10	30515287	30515879	Gmdrm	hypo	CHG	-0.5683
Gm10	30521613	30521711	Gmdrm	hypo	CHG	-0.8129
Gm10	30532446	30532583	Gmdrm	hypo	CHG	-0.4717
Gm10	30532821	30532924	Gmdrm	hypo	CHG	-0.558
Gm10	30533447	30533597	Gmdrm	hypo	CHG	-0.3714
Gm10	30559085	30559519	Gmdrm	hypo	CHG	-0.5311
Gm10	30644189	30644334	Gmdrm	hypo	CHG	-0.505
Gm10	30644474	30644518	Gmdrm	hypo	CHG	-0.6683
Gm10	30644761	30644874	Gmdrm	hypo	CHG	-0.0986
Gm10	30681220	30681238	Gmdrm	hypo	CHG	-0.1567
Gm10	30687807	30687974	Gmdrm	hypo	CHG	-0.37
Gm10	30688488	30689178	Gmdrm	hypo	CHG	-0.2479
Gm10	30709148	30709315	Gmdrm	hypo	CHG	-0.4587
Gm10	30711285	30711358	Gmdrm	hypo	CHG	-0.3549
Gm10	30715059	30715209	Gmdrm	hypo	CHG	-0.5212
Gm10	30716765	30717090	Gmdrm	hypo	CHG	-0.27
Gm10	30721585	30721876	Gmdrm	hypo	CHG	-0.2364
Gm10	30727203	30727561	Gmdrm	hypo	CHG	-0.07
Gm10	30735958	30736143	Gmdrm	hypo	CHG	-0.5123
Gm10	30743508	30743595	Gmdrm	hypo	CHG	-0.2187
Gm10	30755608	30756163	Gmdrm	hypo	CHG	-0.1963
Gm10	30757433	30757500	Gmdrm	hypo	CHG	-0.32
Gm10	30833058	30833262	Gmdrm	hypo	CHG	-0.3912
Gm10	30835045	30835118	Gmdrm	hypo	CHG	-0.5316
Gm10	30846454	30846724	Gmdrm	hypo	CHG	-0.2133
Gm10	30853902	30853950	Gmdrm	hypo	CHG	-0.7366
Gm10	30882225	30882353	Gmdrm	hypo	CHG	-0.6783
Gm10	30888434	30888520	Gmdrm	hypo	CHG	-0.026
Gm10	30928886	30929223	Gmdrm	hypo	CHG	-0.2706
Gm10	30941706	30941788	Gmdrm	hypo	CHG	-0.74
Gm10	30946585	30946798	Gmdrm	hypo	CHG	-0.4506
Gm10	30947242	30947320	Gmdrm	hypo	CHG	-0.386

Gm10	30949012	30949134	Gmdrm	hypo	CHG	-0.18
Gm10	31004868	31005012	Gmdrm	hypo	CHG	-0.0886
Gm10	31025214	31026064	Gmdrm	hypo	CHG	-0.1956
Gm10	31039273	31039499	Gmdrm	hypo	CHG	-0.292
Gm10	31069487	31069762	Gmdrm	hypo	CHG	-0.4133
Gm10	31071359	31071487	Gmdrm	hypo	CHG	-0.4286
Gm10	31071596	31072277	Gmdrm	hypo	CHG	-0.4861
Gm10	31073447	31073579	Gmdrm	hypo	CHG	-0.2329
Gm10	31093859	31093969	Gmdrm	hypo	CHG	-0.424
Gm10	31094892	31095020	Gmdrm	hypo	CHG	-0.4033
Gm10	31095208	31095976	Gmdrm	hypo	CHG	-0.2907
Gm10	31097354	31097444	Gmdrm	hypo	CHG	-0.4755
Gm10	31123619	31124007	Gmdrm	hypo	CHG	-0.2818
Gm10	31179749	31179887	Gmdrm	hypo	CHG	-0.4445
Gm10	31186602	31187572	Gmdrm	hypo	CHG	-0.0992
Gm10	31195464	31195586	Gmdrm	hypo	CHG	-0.1688
Gm10	31201345	31201473	Gmdrm	hypo	CHG	-0.2766
Gm10	31201659	31202418	Gmdrm	hypo	CHG	-0.3787
Gm10	31206121	31206270	Gmdrm	hypo	CHG	-0.1914
Gm10	31211657	31211976	Gmdrm	hypo	CHG	-0.544
Gm10	31212111	31212417	Gmdrm	hypo	CHG	-0.7253
Gm10	31212525	31213501	Gmdrm	hypo	CHG	-0.6993
Gm10	31223832	31224110	Gmdrm	hypo	CHG	-0.2675
Gm10	31227860	31228630	Gmdrm	hypo	CHG	-0.1818
Gm10	31228829	31228938	Gmdrm	hypo	CHG	-0.24
Gm10	31420601	31420691	Gmdrm	hypo	CHG	-0.0266
Gm10	31420866	31421092	Gmdrm	hypo	CHG	-0.02
Gm10	31425966	31426099	Gmdrm	hypo	CHG	-0.036
Gm10	31437531	31437623	Gmdrm	hypo	CHG	-0.5887
Gm10	31443601	31443872	Gmdrm	hypo	CHG	-0.365
Gm10	31444583	31444707	Gmdrm	hypo	CHG	-0.872
Gm10	31477778	31478037	Gmdrm	hypo	CHG	-0.47
Gm10	31490908	31491009	Gmdrm	hypo	CHG	-0.7986
Gm10	31491223	31491391	Gmdrm	hypo	CHG	-0.682
Gm10	31491571	31491622	Gmdrm	hypo	CHG	-0.5999
Gm10	31551815	31552354	Gmdrm	hypo	CHG	-0.7811
Gm10	31553341	31553468	Gmdrm	hypo	CHG	-0.42
Gm10	31624812	31624991	Gmdrm	hypo	CHG	-0.138
Gm10	31704043	31704128	Gmdrm	hypo	CHG	-0.1787
Gm10	31772047	31772214	Gmdrm	hypo	CHG	-0.312
Gm10	31824108	31824206	Gmdrm	hypo	CHG	-0.2837
Gm10	31837395	31837467	Gmdrm	hypo	CHG	-0.325
Gm10	31837749	31837874	Gmdrm	hypo	CHG	-0.21
Gm10	31840465	31840759	Gmdrm	hypo	CHG	-0.61
Gm10	31841381	31841639	Gmdrm	hypo	CHG	-0.0562
Gm10	31841792	31841944	Gmdrm	hypo	CHG	-0.5221

Gm10	31968479	31968606	Gmdrm	hypo	CHG	-0.04
Gm10	32056618	32056728	Gmdrm	hypo	CHG	-0.182
Gm10	32136598	32136710	Gmdrm	hypo	CHG	-0.2433
Gm10	32141601	32141770	Gmdrm	hypo	CHG	-0.8321
Gm10	32144472	32144550	Gmdrm	hypo	CHG	-0.32
Gm10	32144916	32144973	Gmdrm	hypo	CHG	-0.575
Gm10	32158845	32158972	Gmdrm	hypo	CHG	-0.4635
Gm10	32159116	32159377	Gmdrm	hypo	CHG	-0.4419
Gm10	32228567	32228905	Gmdrm	hypo	CHG	-0.0467
Gm10	32236433	32236721	Gmdrm	hypo	CHG	-0.3818
Gm10	32288580	32289106	Gmdrm	hypo	CHG	-0.3942
Gm10	32296206	32296318	Gmdrm	hypo	CHG	-0.05
Gm10	32296460	32296562	Gmdrm	hypo	CHG	-0.2753
Gm10	32300878	32301313	Gmdrm	hypo	CHG	-0.22
Gm10	32303900	32304897	Gmdrm	hypo	CHG	-0.164
Gm10	32309457	32309668	Gmdrm	hypo	CHG	-0.0985
Gm10	32309813	32310133	Gmdrm	hypo	CHG	-0.1023
Gm10	32310245	32310966	Gmdrm	hypo	CHG	-0.1578
Gm10	32314643	32315630	Gmdrm	hypo	CHG	-0.0585
Gm10	32321548	32322015	Gmdrm	hypo	CHG	-0.1571
Gm10	32322794	32323460	Gmdrm	hypo	CHG	-0.2124
Gm10	32323633	32324128	Gmdrm	hypo	CHG	-0.1104
Gm10	32328199	32328340	Gmdrm	hypo	CHG	-0.3161
Gm10	32328471	32329147	Gmdrm	hypo	CHG	-0.1867
Gm10	32332482	32333025	Gmdrm	hypo	CHG	-0.0618
Gm10	32338974	32339211	Gmdrm	hypo	CHG	-0.1833
Gm10	32339319	32340006	Gmdrm	hypo	CHG	-0.0473
Gm10	32343146	32343392	Gmdrm	hypo	CHG	-0.2782
Gm10	32406792	32407068	Gmdrm	hypo	CHG	-0.6247
Gm10	32416011	32416417	Gmdrm	hypo	CHG	-0.5121
Gm10	32473372	32473882	Gmdrm	hypo	CHG	-0.2055
Gm10	32516756	32516966	Gmdrm	hypo	CHG	-0.3534
Gm10	32532036	32532165	Gmdrm	hypo	CHG	-0.576
Gm10	32537544	32537635	Gmdrm	hypo	CHG	-0.3483
Gm10	32538840	32539146	Gmdrm	hypo	CHG	-0.2505
Gm10	32542792	32542965	Gmdrm	hypo	CHG	-0.6483
Gm10	32576650	32576714	Gmdrm	hypo	CHG	-0.496
Gm10	32579010	32579163	Gmdrm	hypo	CHG	-0.1283
Gm10	32583456	32583738	Gmdrm	hypo	CHG	-0.2506
Gm10	32604653	32604730	Gmdrm	hypo	CHG	-0.348
Gm10	32639006	32639107	Gmdrm	hypo	CHG	-0.5986
Gm10	32639271	32639614	Gmdrm	hypo	CHG	-0.427
Gm10	32642051	32642148	Gmdrm	hypo	CHG	-0.038
Gm10	32644800	32645138	Gmdrm	hypo	CHG	-0.04
Gm10	32648623	32648753	Gmdrm	hypo	CHG	-0.845
Gm10	32649265	32649518	Gmdrm	hypo	CHG	-0.7563

Gm10	32650007	32650251	Gmdrm	hypo	CHG	-0.5343
Gm10	32654081	32654109	Gmdrm	hypo	CHG	-0.2
Gm10	32654239	32654334	Gmdrm	hypo	CHG	-0.4357
Gm10	32658280	32658328	Gmdrm	hypo	CHG	-0.0983
Gm10	32659666	32659809	Gmdrm	hypo	CHG	-0.472
Gm10	32728426	32728482	Gmdrm	hypo	CHG	-0.5784
Gm10	32771621	32772015	Gmdrm	hypo	CHG	-0.1164
Gm10	32782002	32782147	Gmdrm	hypo	CHG	-0.365
Gm10	32782341	32782397	Gmdrm	hypo	CHG	-0.295
Gm10	32782501	32782788	Gmdrm	hypo	CHG	-0.3591
Gm10	32783678	32784101	Gmdrm	hypo	CHG	-0.6291
Gm10	32784621	32784720	Gmdrm	hypo	CHG	-0.5157
Gm10	32784839	32785046	Gmdrm	hypo	CHG	-0.1633
Gm10	32788234	32788387	Gmdrm	hypo	CHG	-0.4363
Gm10	32788580	32788631	Gmdrm	hypo	CHG	-0.5317
Gm10	32789772	32789923	Gmdrm	hypo	CHG	-0.2429
Gm10	32795549	32795922	Gmdrm	hypo	CHG	-0.5275
Gm10	32796091	32796219	Gmdrm	hypo	CHG	-0.6343
Gm10	32826853	32826996	Gmdrm	hypo	CHG	-0.4822
Gm10	32827299	32827412	Gmdrm	hypo	CHG	-0.4245
Gm10	32832003	32832159	Gmdrm	hypo	CHG	-0.6675
Gm10	32839273	32839426	Gmdrm	hypo	CHG	-0.6981
Gm10	32840814	32840900	Gmdrm	hypo	CHG	-0.2278
Gm10	32849922	32849978	Gmdrm	hypo	CHG	-0.62
Gm10	32871882	32872030	Gmdrm	hypo	CHG	-0.6283
Gm10	32872341	32872474	Gmdrm	hypo	CHG	-0.635
Gm10	32873545	32873740	Gmdrm	hypo	CHG	-0.405
Gm10	32874303	32874425	Gmdrm	hypo	CHG	-0.665
Gm10	32874621	32874684	Gmdrm	hypo	CHG	-0.8384
Gm10	32874920	32875084	Gmdrm	hypo	CHG	-0.563
Gm10	32876575	32876657	Gmdrm	hypo	CHG	-0.18
Gm10	32876797	32877441	Gmdrm	hypo	CHG	-0.6122
Gm10	32877563	32878167	Gmdrm	hypo	CHG	-0.3658
Gm10	32878299	32878366	Gmdrm	hypo	CHG	-0.6925
Gm10	32901538	32902270	Gmdrm	hypo	CHG	-0.2356
Gm10	32955645	32955772	Gmdrm	hypo	CHG	-0.558
Gm10	32966488	32966544	Gmdrm	hypo	CHG	-0.175
Gm10	32993366	32993765	Gmdrm	hypo	CHG	-0.4819
Gm10	33327909	33328076	Gmdrm	hypo	CHG	-0.348
Gm10	33328261	33328394	Gmdrm	hypo	CHG	-0.29
Gm10	33343289	33343305	Gmdrm	hypo	CHG	-0.378
Gm10	33396504	33396861	Gmdrm	hypo	CHG	-0.072
Gm10	33474298	33474456	Gmdrm	hypo	CHG	-0.0316
Gm10	33514262	33514484	Gmdrm	hypo	CHG	-0.113
Gm10	33611905	33612014	Gmdrm	hypo	CHG	-0.655
Gm10	33786866	33787008	Gmdrm	hypo	CHG	-0.3257

Gm10	33793678	33793857	Gmdrm	hypo	CHG	-0.6307
Gm10	33794007	33794194	Gmdrm	hypo	CHG	-0.6856
Gm10	33901552	33901657	Gmdrm	hypo	CHG	-0.4225
Gm10	33922646	33922933	Gmdrm	hypo	CHG	-0.1195
Gm10	33975959	33976104	Gmdrm	hypo	CHG	-0.67
Gm10	34029284	34029450	Gmdrm	hypo	CHG	-0.672
Gm10	34099782	34100020	Gmdrm	hypo	CHG	-0.0422
Gm10	34119770	34119827	Gmdrm	hypo	CHG	-0.03
Gm10	34119941	34120067	Gmdrm	hypo	CHG	-0.682
Gm10	34120485	34120630	Gmdrm	hypo	CHG	-0.6675
Gm10	34120758	34120834	Gmdrm	hypo	CHG	-0.8383
Gm10	34120968	34121078	Gmdrm	hypo	CHG	-0.236
Gm10	34143537	34143765	Gmdrm	hypo	CHG	-0.398
Gm10	34152880	34153070	Gmdrm	hypo	CHG	-0.038
Gm10	34153446	34153512	Gmdrm	hypo	CHG	-0.25
Gm10	34165613	34165698	Gmdrm	hypo	CHG	-0.3337
Gm10	34173946	34174044	Gmdrm	hypo	CHG	-0.5084
Gm10	34285473	34285718	Gmdrm	hypo	CHG	-0.052
Gm10	34297294	34297572	Gmdrm	hypo	CHG	-0.195
Gm10	34297705	34298699	Gmdrm	hypo	CHG	-0.2619
Gm10	34298739	34299067	Gmdrm	hypo	CHG	-0.3289
Gm10	34299183	34300178	Gmdrm	hypo	CHG	-0.2288
Gm10	34332866	34332980	Gmdrm	hypo	CHG	-0.094
Gm10	34333146	34333218	Gmdrm	hypo	CHG	-0.8136
Gm10	34333759	34333817	Gmdrm	hypo	CHG	-0.71
Gm10	34367196	34367269	Gmdrm	hypo	CHG	-0.542
Gm10	34371681	34371732	Gmdrm	hypo	CHG	-0.825
Gm10	34390216	34390386	Gmdrm	hypo	CHG	-0.435
Gm10	34391201	34391376	Gmdrm	hypo	CHG	-0.703
Gm10	34417112	34417220	Gmdrm	hypo	CHG	-0.755
Gm10	34421493	34421612	Gmdrm	hypo	CHG	-0.358
Gm10	34428267	34428518	Gmdrm	hypo	CHG	-0.1209
Gm10	34475156	34475229	Gmdrm	hypo	CHG	-0.4529
Gm10	34548599	34549360	Gmdrm	hypo	CHG	-0.384
Gm10	34610682	34610738	Gmdrm	hypo	CHG	-0.112
Gm10	34611934	34612132	Gmdrm	hypo	CHG	-0.2211
Gm10	34633082	34633182	Gmdrm	hypo	CHG	-0.4417
Gm10	34637141	34637239	Gmdrm	hypo	CHG	-0.7167
Gm10	34639999	34640129	Gmdrm	hypo	CHG	-0.06
Gm10	34644868	34644978	Gmdrm	hypo	CHG	-0.49
Gm10	34656385	34656599	Gmdrm	hypo	CHG	-0.4182
Gm10	34656733	34656766	Gmdrm	hypo	CHG	-0.4133
Gm10	34656888	34657040	Gmdrm	hypo	CHG	-0.4872
Gm10	34662333	34662639	Gmdrm	hypo	CHG	-0.342
Gm10	34668732	34668842	Gmdrm	hypo	CHG	-0.4913
Gm10	34670843	34671006	Gmdrm	hypo	CHG	-0.7322

Gm10	34672372	34673335	Gmdrm	hypo	CHG	-0.005
Gm10	34705425	34705679	Gmdrm	hypo	CHG	-0.1681
Gm10	34739977	34740105	Gmdrm	hypo	CHG	-0.5358
Gm10	34740290	34740596	Gmdrm	hypo	CHG	-0.262
Gm10	34740726	34741046	Gmdrm	hypo	CHG	-0.1737
Gm10	34743271	34743348	Gmdrm	hypo	CHG	-0.245
Gm10	34792534	34792586	Gmdrm	hypo	CHG	-0.04
Gm10	34793152	34793616	Gmdrm	hypo	CHG	-0.1567
Gm10	34831081	34831631	Gmdrm	hypo	CHG	-0.1566
Gm10	34878379	34878566	Gmdrm	hypo	CHG	-0.1844
Gm10	34885983	34886202	Gmdrm	hypo	CHG	-0.0422
Gm10	34897272	34897473	Gmdrm	hypo	CHG	-0.2956
Gm10	34897734	34898054	Gmdrm	hypo	CHG	-0.3194
Gm10	34913422	34913529	Gmdrm	hypo	CHG	-0.6224
Gm10	34923134	34923259	Gmdrm	hypo	CHG	-0.1335
Gm10	34937365	34937432	Gmdrm	hypo	CHG	-0.1767
Gm10	34940156	34940446	Gmdrm	hypo	CHG	-0.5562
Gm10	34948022	34948568	Gmdrm	hypo	CHG	-0.2915
Gm10	34948699	34949073	Gmdrm	hypo	CHG	-0.1556
Gm10	34977337	34977444	Gmdrm	hypo	CHG	-0.447
Gm10	34983379	34983399	Gmdrm	hypo	CHG	-0.32
Gm10	35085811	35086268	Gmdrm	hypo	CHG	-0.3006
Gm10	35120790	35121248	Gmdrm	hypo	CHG	-0.3853
Gm10	35124119	35124360	Gmdrm	hypo	CHG	-0.408
Gm10	35124548	35124610	Gmdrm	hypo	CHG	-0.405
Gm10	35124864	35124894	Gmdrm	hypo	CHG	-0.514
Gm10	35125431	35125467	Gmdrm	hypo	CHG	-0.4614
Gm10	35125576	35125652	Gmdrm	hypo	CHG	-0.39
Gm10	35125804	35125939	Gmdrm	hypo	CHG	-0.206
Gm10	35129155	35129277	Gmdrm	hypo	CHG	-0.7875
Gm10	35131157	35131673	Gmdrm	hypo	CHG	-0.1675
Gm10	35137216	35137354	Gmdrm	hypo	CHG	-0.227
Gm10	35142225	35142583	Gmdrm	hypo	CHG	-0.3106
Gm10	35146038	35146079	Gmdrm	hypo	CHG	-0.4
Gm10	35147061	35147209	Gmdrm	hypo	CHG	-0.4217
Gm10	35196369	35196467	Gmdrm	hypo	CHG	-0.6991
Gm10	35196579	35196884	Gmdrm	hypo	CHG	-0.2115
Gm10	35198466	35198790	Gmdrm	hypo	CHG	-0.491
Gm10	35201807	35202307	Gmdrm	hypo	CHG	-0.2759
Gm10	35240496	35240769	Gmdrm	hypo	CHG	-0.2964
Gm10	35256426	35256510	Gmdrm	hypo	CHG	-0.3119
Gm10	35257005	35257254	Gmdrm	hypo	CHG	-0.4844
Gm10	35257558	35257811	Gmdrm	hypo	CHG	-0.2342
Gm10	35258753	35258831	Gmdrm	hypo	CHG	-0.2067
Gm10	35262305	35262495	Gmdrm	hypo	CHG	-0.6837
Gm10	35310853	35310886	Gmdrm	hypo	CHG	-0.2267

Gm10	35312112	35312152	Gmdrm	hypo	CHG	-0.372
Gm10	35312262	35312478	Gmdrm	hypo	CHG	-0.3517
Gm10	35312997	35313298	Gmdrm	hypo	CHG	-0.3907
Gm10	35315427	35315644	Gmdrm	hypo	CHG	-0.1218
Gm10	35315950	35316134	Gmdrm	hypo	CHG	-0.307
Gm10	35317209	35317689	Gmdrm	hypo	CHG	-0.4869
Gm10	35320467	35320679	Gmdrm	hypo	CHG	-0.5928
Gm10	35320822	35320915	Gmdrm	hypo	CHG	-0.16
Gm10	35323914	35324060	Gmdrm	hypo	CHG	-0.3964
Gm10	35324925	35325266	Gmdrm	hypo	CHG	-0.0695
Gm10	35340299	35340402	Gmdrm	hypo	CHG	-0.31
Gm10	35353720	35353948	Gmdrm	hypo	CHG	-0.1405
Gm10	35372348	35372690	Gmdrm	hypo	CHG	-0.3689
Gm10	35373501	35373843	Gmdrm	hypo	CHG	-0.1773
Gm10	35378607	35378684	Gmdrm	hypo	CHG	-0.0743
Gm10	35379900	35379977	Gmdrm	hypo	CHG	-0.425
Gm10	35382912	35383089	Gmdrm	hypo	CHG	-0.2677
Gm10	35390330	35390392	Gmdrm	hypo	CHG	-0.1644
Gm10	35390609	35390704	Gmdrm	hypo	CHG	-0.2228
Gm10	35399647	35400560	Gmdrm	hypo	CHG	-0.1833
Gm10	35400994	35401235	Gmdrm	hypo	CHG	-0.295
Gm10	35404940	35405211	Gmdrm	hypo	CHG	-0.453
Gm10	35410460	35410803	Gmdrm	hypo	CHG	-0.3415
Gm10	35411650	35411993	Gmdrm	hypo	CHG	-0.1254
Gm10	35416487	35416740	Gmdrm	hypo	CHG	-0.3325
Gm10	35418039	35418134	Gmdrm	hypo	CHG	-0.295
Gm10	35434292	35434492	Gmdrm	hypo	CHG	-0.3156
Gm10	35434957	35435005	Gmdrm	hypo	CHG	-0.1243
Gm10	35435118	35435490	Gmdrm	hypo	CHG	-0.1962
Gm10	35436310	35436343	Gmdrm	hypo	CHG	-0.3867
Gm10	35437566	35437608	Gmdrm	hypo	CHG	-0.654
Gm10	35437716	35437934	Gmdrm	hypo	CHG	-0.3772
Gm10	35448560	35448733	Gmdrm	hypo	CHG	-0.7425
Gm10	35448906	35449007	Gmdrm	hypo	CHG	-0.2
Gm10	35452963	35453314	Gmdrm	hypo	CHG	-0.0419
Gm10	35458773	35459237	Gmdrm	hypo	CHG	-0.284
Gm10	35459404	35459771	Gmdrm	hypo	CHG	-0.1781
Gm10	35461302	35461581	Gmdrm	hypo	CHG	-0.4165
Gm10	35463508	35463703	Gmdrm	hypo	CHG	-0.5643
Gm10	35465726	35465771	Gmdrm	hypo	CHG	-0.2517
Gm10	35466205	35466816	Gmdrm	hypo	CHG	-0.4178
Gm10	35467015	35467509	Gmdrm	hypo	CHG	-0.5231
Gm10	35467665	35467783	Gmdrm	hypo	CHG	-0.168
Gm10	35468814	35468836	Gmdrm	hypo	CHG	-0.6167
Gm10	35470243	35470463	Gmdrm	hypo	CHG	-0.443
Gm10	35470936	35471130	Gmdrm	hypo	CHG	-0.5336

Gm10	35487113	35487386	Gmdrm	hypo	CHG	-0.3462
Gm10	35497237	35498194	Gmdrm	hypo	CHG	-0.2773
Gm10	35498280	35498471	Gmdrm	hypo	CHG	-0.3439
Gm10	35498584	35498833	Gmdrm	hypo	CHG	-0.1718
Gm10	35505599	35506588	Gmdrm	hypo	CHG	-0.1659
Gm10	35507364	35507887	Gmdrm	hypo	CHG	-0.2511
Gm10	35510341	35510895	Gmdrm	hypo	CHG	-0.1983
Gm10	35515944	35516942	Gmdrm	hypo	CHG	-0.1863
Gm10	35577973	35578056	Gmdrm	hypo	CHG	-0.17
Gm10	35587551	35587805	Gmdrm	hypo	CHG	-0.3626
Gm10	35590100	35590534	Gmdrm	hypo	CHG	-0.565
Gm10	35594631	35595322	Gmdrm	hypo	CHG	-0.3667
Gm10	35595480	35595755	Gmdrm	hypo	CHG	-0.4253
Gm10	35595888	35596551	Gmdrm	hypo	CHG	-0.3017
Gm10	35645016	35645057	Gmdrm	hypo	CHG	-0.262
Gm10	35676235	35676453	Gmdrm	hypo	CHG	-0.1534
Gm10	35681231	35681299	Gmdrm	hypo	CHG	-0.042
Gm10	35686374	35687160	Gmdrm	hypo	CHG	-0.2419
Gm10	35708416	35708571	Gmdrm	hypo	CHG	-0.7643
Gm10	35710012	35710530	Gmdrm	hypo	CHG	-0.6711
Gm10	35710991	35711082	Gmdrm	hypo	CHG	-0.0233
Gm10	35712804	35713007	Gmdrm	hypo	CHG	-0.2187
Gm10	35713133	35713351	Gmdrm	hypo	CHG	-0.5025
Gm10	35744251	35744370	Gmdrm	hypo	CHG	-0.37
Gm10	35745551	35745723	Gmdrm	hypo	CHG	-0.428
Gm10	35745917	35745983	Gmdrm	hypo	CHG	-0.46
Gm10	35798229	35798443	Gmdrm	hypo	CHG	-0.3971
Gm10	35803410	35803429	Gmdrm	hypo	CHG	-0.702
Gm10	35808243	35808473	Gmdrm	hypo	CHG	-0.5336
Gm10	35809798	35810186	Gmdrm	hypo	CHG	-0.4467
Gm10	35825363	35825493	Gmdrm	hypo	CHG	-0.812
Gm10	35832043	35832465	Gmdrm	hypo	CHG	-0.48
Gm10	35857539	35857935	Gmdrm	hypo	CHG	-0.495
Gm10	35888541	35888781	Gmdrm	hypo	CHG	-0.5854
Gm10	35888970	35889860	Gmdrm	hypo	CHG	-0.1667
Gm10	35892435	35892686	Gmdrm	hypo	CHG	-0.29
Gm10	35894224	35894309	Gmdrm	hypo	CHG	-0.6133
Gm10	35904068	35904735	Gmdrm	hypo	CHG	-0.2214
Gm10	35963994	35964631	Gmdrm	hypo	CHG	-0.4675
Gm10	35964793	35964928	Gmdrm	hypo	CHG	-0.4763
Gm10	35965059	35965110	Gmdrm	hypo	CHG	-0.0633
Gm10	35966574	35966609	Gmdrm	hypo	CHG	-0.2488
Gm10	35969864	35970374	Gmdrm	hypo	CHG	-0.3956
Gm10	35974928	35975231	Gmdrm	hypo	CHG	-0.4433
Gm10	35979637	35979904	Gmdrm	hypo	CHG	-0.32
Gm10	36001282	36001499	Gmdrm	hypo	CHG	-0.52

Gm10	36004146	36004198	Gmdrm	hypo	CHG	-0.44
Gm10	36016560	36016617	Gmdrm	hypo	CHG	-0.595
Gm10	36035128	36035224	Gmdrm	hypo	CHG	-0.044
Gm10	36075170	36075330	Gmdrm	hypo	CHG	-0.374
Gm10	36076408	36076595	Gmdrm	hypo	CHG	-0.6271
Gm10	36087244	36087483	Gmdrm	hypo	CHG	-0.5755
Gm10	36119126	36119365	Gmdrm	hypo	CHG	-0.1671
Gm10	36153458	36153518	Gmdrm	hypo	CHG	-0.467
Gm10	36154994	36155072	Gmdrm	hypo	CHG	-0.0858
Gm10	36176526	36176603	Gmdrm	hypo	CHG	-0.38
Gm10	36239581	36239659	Gmdrm	hypo	CHG	-0.805
Gm10	36249946	36250177	Gmdrm	hypo	CHG	-0.4025
Gm10	36254218	36254451	Gmdrm	hypo	CHG	-0.5733
Gm10	36256841	36257119	Gmdrm	hypo	CHG	-0.2547
Gm10	36342574	36342830	Gmdrm	hypo	CHG	-0.4231
Gm10	36342952	36342997	Gmdrm	hypo	CHG	-0.3034
Gm10	36535105	36535153	Gmdrm	hypo	CHG	-0.416
Gm10	36539549	36539913	Gmdrm	hypo	CHG	-0.4367
Gm10	36600899	36600942	Gmdrm	hypo	CHG	-0.4771
Gm10	36601092	36601259	Gmdrm	hypo	CHG	-0.026
Gm10	36606360	36606662	Gmdrm	hypo	CHG	-0.3354
Gm10	36712347	36712559	Gmdrm	hypo	CHG	-0.4115
Gm10	36924856	36924956	Gmdrm	hypo	CHG	-0.7784
Gm10	36943461	36943543	Gmdrm	hypo	CHG	-0.162
Gm10	36948194	36948264	Gmdrm	hypo	CHG	-0.2458
Gm10	36948696	36948767	Gmdrm	hypo	CHG	-0.3357
Gm10	37012827	37012858	Gmdrm	hypo	CHG	-0.524
Gm10	37015109	37015279	Gmdrm	hypo	CHG	-0.1386
Gm10	37030833	37030873	Gmdrm	hypo	CHG	-0.4284
Gm10	37032935	37033145	Gmdrm	hypo	CHG	-0.2867
Gm10	37125815	37125994	Gmdrm	hypo	CHG	-0.4255
Gm10	37150194	37150362	Gmdrm	hypo	CHG	-0.36
Gm10	37187870	37188053	Gmdrm	hypo	CHG	-0.4425
Gm10	37244901	37245217	Gmdrm	hypo	CHG	-0.39
Gm10	37253600	37253657	Gmdrm	hypo	CHG	-0.426
Gm10	37290462	37290648	Gmdrm	hypo	CHG	-0.3777
Gm10	37308859	37309337	Gmdrm	hypo	CHG	-0.0275
Gm10	37332925	37333283	Gmdrm	hypo	CHG	-0.084
Gm10	37364073	37364181	Gmdrm	hypo	CHG	-0.466
Gm10	37364325	37364640	Gmdrm	hypo	CHG	-0.4261
Gm10	37364912	37365103	Gmdrm	hypo	CHG	-0.7857
Gm10	37365785	37366096	Gmdrm	hypo	CHG	-0.7906
Gm10	37390815	37391020	Gmdrm	hypo	CHG	-0.3075
Gm10	37395087	37395311	Gmdrm	hypo	CHG	-0.04
Gm10	37415557	37415698	Gmdrm	hypo	CHG	-0.3733
Gm10	37417811	37418201	Gmdrm	hypo	CHG	-0.3161

Gm10	37418373	37418482	Gmdrm	hypo	CHG	-0.5067
Gm10	37427151	37427283	Gmdrm	hypo	CHG	-0.3462
Gm10	37441805	37441950	Gmdrm	hypo	CHG	-0.77
Gm10	37455481	37455790	Gmdrm	hypo	CHG	-0.6708
Gm10	37458771	37459061	Gmdrm	hypo	CHG	-0.295
Gm10	37459200	37459314	Gmdrm	hypo	CHG	-0.268
Gm10	37475792	37475812	Gmdrm	hypo	CHG	-0.1717
Gm10	37485068	37485250	Gmdrm	hypo	CHG	-0.042
Gm10	37493584	37493966	Gmdrm	hypo	CHG	-0.048
Gm10	37497234	37497441	Gmdrm	hypo	CHG	-0.0457
Gm10	37515521	37515559	Gmdrm	hypo	CHG	-0.422
Gm10	37538678	37538903	Gmdrm	hypo	CHG	-0.6384
Gm10	37541371	37541479	Gmdrm	hypo	CHG	-0.078
Gm10	37549531	37550522	Gmdrm	hypo	CHG	-0.2451
Gm10	37572575	37572675	Gmdrm	hypo	CHG	-0.64
Gm10	37585818	37586219	Gmdrm	hypo	CHG	-0.1411
Gm10	37586383	37586507	Gmdrm	hypo	CHG	-0.0837
Gm10	37587132	37587311	Gmdrm	hypo	CHG	-0.861
Gm10	37588767	37588838	Gmdrm	hypo	CHG	-0.3367
Gm10	37589175	37589492	Gmdrm	hypo	CHG	-0.3041
Gm10	37648427	37648584	Gmdrm	hypo	CHG	-0.065
Gm10	37652203	37652435	Gmdrm	hypo	CHG	-0.048
Gm10	37696072	37696088	Gmdrm	hypo	CHG	-0.434
Gm10	37805186	37805362	Gmdrm	hypo	CHG	-0.0567
Gm10	37811427	37811747	Gmdrm	hypo	CHG	-0.4463
Gm10	37816034	37816112	Gmdrm	hypo	CHG	-0.095
Gm10	37816666	37816833	Gmdrm	hypo	CHG	-0.5861
Gm10	37816951	37817092	Gmdrm	hypo	CHG	-0.7067
Gm10	37826095	37826204	Gmdrm	hypo	CHG	-0.83
Gm10	37829698	37829795	Gmdrm	hypo	CHG	-0.42
Gm10	37830186	37830433	Gmdrm	hypo	CHG	-0.3714
Gm10	37847146	37847208	Gmdrm	hypo	CHG	-0.2529
Gm10	37857143	37857372	Gmdrm	hypo	CHG	-0.3682
Gm10	37857816	37858144	Gmdrm	hypo	CHG	-0.432
Gm10	37890362	37890489	Gmdrm	hypo	CHG	-0.566
Gm10	37890891	37891113	Gmdrm	hypo	CHG	-0.75
Gm10	37904452	37904576	Gmdrm	hypo	CHG	-0.725
Gm10	37911485	37911513	Gmdrm	hypo	CHG	-0.8617
Gm10	37911615	37911734	Gmdrm	hypo	CHG	-0.3534
Gm10	37917404	37917721	Gmdrm	hypo	CHG	-0.3528
Gm10	37924829	37924968	Gmdrm	hypo	CHG	-0.0572
Gm10	37929783	37929920	Gmdrm	hypo	CHG	-0.5375
Gm10	37973569	37973778	Gmdrm	hypo	CHG	-0.4286
Gm10	37974041	37974367	Gmdrm	hypo	CHG	-0.2892
Gm10	37977223	37977437	Gmdrm	hypo	CHG	-0.0792
Gm10	37977860	37978157	Gmdrm	hypo	CHG	-0.08

Gm10	37978859	37979110	Gmdrm	hypo	CHG	-0.2333
Gm10	37979279	37979407	Gmdrm	hypo	CHG	-0.3151
Gm10	37979566	37979641	Gmdrm	hypo	CHG	-0.4633
Gm10	37993714	37993924	Gmdrm	hypo	CHG	-0.09
Gm10	38006984	38007268	Gmdrm	hypo	CHG	-0.476
Gm10	38032668	38033108	Gmdrm	hypo	CHG	-0.0266
Gm10	38033530	38033988	Gmdrm	hypo	CHG	-0.4886
Gm10	38034136	38034291	Gmdrm	hypo	CHG	-0.506
Gm10	38038103	38038260	Gmdrm	hypo	CHG	-0.355
Gm10	38075583	38075726	Gmdrm	hypo	CHG	-0.044
Gm10	38076693	38076921	Gmdrm	hypo	CHG	-0.5616
Gm10	38100455	38100589	Gmdrm	hypo	CHG	-0.6867
Gm10	38100884	38101001	Gmdrm	hypo	CHG	-0.8417
Gm10	38101162	38101250	Gmdrm	hypo	CHG	-0.7643
Gm10	38114851	38115029	Gmdrm	hypo	CHG	-0.285
Gm10	38115169	38115319	Gmdrm	hypo	CHG	-0.5114
Gm10	38115491	38116424	Gmdrm	hypo	CHG	-0.1644
Gm10	38133085	38133222	Gmdrm	hypo	CHG	-0.37
Gm10	38145518	38145547	Gmdrm	hypo	CHG	-0.718
Gm10	38169668	38169863	Gmdrm	hypo	CHG	-0.323
Gm10	38170350	38170640	Gmdrm	hypo	CHG	-0.0428
Gm10	38186461	38186602	Gmdrm	hypo	CHG	-0.0662
Gm10	38253171	38253318	Gmdrm	hypo	CHG	-0.284
Gm10	38253543	38253830	Gmdrm	hypo	CHG	-0.2627
Gm10	38272260	38272408	Gmdrm	hypo	CHG	-0.032
Gm10	38289335	38289743	Gmdrm	hypo	CHG	-0.7721
Gm10	38293919	38294578	Gmdrm	hypo	CHG	-0.4238
Gm10	38298681	38298858	Gmdrm	hypo	CHG	-0.276
Gm10	38299240	38299368	Gmdrm	hypo	CHG	-0.0483
Gm10	38301178	38301274	Gmdrm	hypo	CHG	-0.8857
Gm10	38324222	38324700	Gmdrm	hypo	CHG	-0.1308
Gm10	38328870	38329329	Gmdrm	hypo	CHG	-0.226
Gm10	38343694	38343918	Gmdrm	hypo	CHG	-0.6314
Gm10	38345804	38346068	Gmdrm	hypo	CHG	-0.6021
Gm10	38347134	38347511	Gmdrm	hypo	CHG	-0.65
Gm10	38351342	38351594	Gmdrm	hypo	CHG	-0.047
Gm10	38367832	38368146	Gmdrm	hypo	CHG	-0.9306
Gm10	38395489	38395593	Gmdrm	hypo	CHG	-0.8587
Gm10	38396324	38396378	Gmdrm	hypo	CHG	-0.08
Gm10	38410692	38410793	Gmdrm	hypo	CHG	-0.076
Gm10	38411184	38411318	Gmdrm	hypo	CHG	-0.0272
Gm10	38421933	38422012	Gmdrm	hypo	CHG	-0.038
Gm10	38434512	38434603	Gmdrm	hypo	CHG	-0.6843
Gm10	38436022	38436137	Gmdrm	hypo	CHG	-0.5412
Gm10	38452211	38452319	Gmdrm	hypo	CHG	-0.05
Gm10	38462354	38462461	Gmdrm	hypo	CHG	-0.2962

Gm10	38462565	38462634	Gmdrm	hypo	CHG	-0.4257
Gm10	38490855	38490981	Gmdrm	hypo	CHG	-0.661
Gm10	38492537	38492848	Gmdrm	hypo	CHG	-0.3708
Gm10	38493014	38493297	Gmdrm	hypo	CHG	-0.742
Gm10	38493404	38493515	Gmdrm	hypo	CHG	-0.6517
Gm10	38494198	38494542	Gmdrm	hypo	CHG	-0.268
Gm10	38506047	38506276	Gmdrm	hypo	CHG	-0.724
Gm10	38506868	38507180	Gmdrm	hypo	CHG	-0.6227
Gm10	38511212	38511425	Gmdrm	hypo	CHG	-0.5125
Gm10	38517075	38517234	Gmdrm	hypo	CHG	-0.8445
Gm10	38518107	38518289	Gmdrm	hypo	CHG	-0.375
Gm10	38548176	38548606	Gmdrm	hypo	CHG	-0.8108
Gm10	38559613	38559787	Gmdrm	hypo	CHG	-0.4171
Gm10	38577638	38577896	Gmdrm	hypo	CHG	-0.4928
Gm10	38613663	38613952	Gmdrm	hypo	CHG	-0.3225
Gm10	38616001	38616399	Gmdrm	hypo	CHG	-0.6636
Gm10	38622833	38623021	Gmdrm	hypo	CHG	-0.6578
Gm10	38624678	38624782	Gmdrm	hypo	CHG	-0.0822
Gm10	38635457	38635568	Gmdrm	hypo	CHG	-0.1133
Gm10	38645159	38645214	Gmdrm	hypo	CHG	-0.1617
Gm10	38684191	38684237	Gmdrm	hypo	CHG	-0.9833
Gm10	38684951	38685054	Gmdrm	hypo	CHG	-0.57
Gm10	38688751	38688893	Gmdrm	hypo	CHG	-0.058
Gm10	38713343	38713543	Gmdrm	hypo	CHG	-0.1865
Gm10	38720294	38720551	Gmdrm	hypo	CHG	-0.2511
Gm10	38730388	38730519	Gmdrm	hypo	CHG	-0.4888
Gm10	38730632	38730769	Gmdrm	hypo	CHG	-0.4789
Gm10	38736266	38736531	Gmdrm	hypo	CHG	-0.615
Gm10	38736754	38737145	Gmdrm	hypo	CHG	-0.6565
Gm10	38746675	38747126	Gmdrm	hypo	CHG	-0.732
Gm10	38754396	38754618	Gmdrm	hypo	CHG	-0.31
Gm10	38754731	38754822	Gmdrm	hypo	CHG	-0.1533
Gm10	38784211	38784276	Gmdrm	hypo	CHG	-0.548
Gm10	38793822	38794244	Gmdrm	hypo	CHG	-0.6623
Gm10	38798646	38798768	Gmdrm	hypo	CHG	-0.3314
Gm10	38799212	38799675	Gmdrm	hypo	CHG	-0.241
Gm10	38799834	38800115	Gmdrm	hypo	CHG	-0.448
Gm10	38800223	38800255	Gmdrm	hypo	CHG	-0.2317
Gm10	38800438	38800530	Gmdrm	hypo	CHG	-0.435
Gm10	38800816	38801084	Gmdrm	hypo	CHG	-0.6033
Gm10	38804554	38804770	Gmdrm	hypo	CHG	-0.066
Gm10	38809627	38809691	Gmdrm	hypo	CHG	-0.044
Gm10	38825394	38825581	Gmdrm	hypo	CHG	-0.6815
Gm10	38828336	38828872	Gmdrm	hypo	CHG	-0.3528
Gm10	38832746	38832819	Gmdrm	hypo	CHG	-0.216
Gm10	38839167	38839233	Gmdrm	hypo	CHG	-0.4443

Gm10	38865749	38865824	Gmdrm	hypo	CHG	-0.1472
Gm10	38875131	38875174	Gmdrm	hypo	CHG	-0.502
Gm10	38878137	38878967	Gmdrm	hypo	CHG	-0.6389
Gm10	38884470	38884605	Gmdrm	hypo	CHG	-0.5034
Gm10	38884717	38884837	Gmdrm	hypo	CHG	-0.6116
Gm10	38906656	38906804	Gmdrm	hypo	CHG	-0.0467
Gm10	38925894	38925933	Gmdrm	hypo	CHG	-0.048
Gm10	38936031	38936128	Gmdrm	hypo	CHG	-0.7401
Gm10	38936260	38936320	Gmdrm	hypo	CHG	-0.618
Gm10	38943209	38943366	Gmdrm	hypo	CHG	-0.3162
Gm10	38948301	38948419	Gmdrm	hypo	CHG	-0.3783
Gm10	38950001	38950355	Gmdrm	hypo	CHG	-0.8109
Gm10	38950460	38950593	Gmdrm	hypo	CHG	-0.5305
Gm10	38953302	38954136	Gmdrm	hypo	CHG	-0.3971
Gm10	38958942	38958995	Gmdrm	hypo	CHG	-0.524
Gm10	38960524	38961208	Gmdrm	hypo	CHG	-0.3533
Gm10	38961372	38961510	Gmdrm	hypo	CHG	-0.4425
Gm10	38964505	38964904	Gmdrm	hypo	CHG	-0.0511
Gm10	38967645	38967907	Gmdrm	hypo	CHG	-0.6053
Gm10	39000240	39000429	Gmdrm	hypo	CHG	-0.688
Gm10	39004219	39004365	Gmdrm	hypo	CHG	-0.1534
Gm10	39018138	39018589	Gmdrm	hypo	CHG	-0.528
Gm10	39026479	39026783	Gmdrm	hypo	CHG	-0.6445
Gm10	39026970	39027334	Gmdrm	hypo	CHG	-0.42
Gm10	39029518	39029706	Gmdrm	hypo	CHG	-0.1543
Gm10	39030061	39030264	Gmdrm	hypo	CHG	-0.25
Gm10	39031638	39031698	Gmdrm	hypo	CHG	-0.606
Gm10	39038448	39038524	Gmdrm	hypo	CHG	-0.3714
Gm10	39041195	39041358	Gmdrm	hypo	CHG	-0.056
Gm10	39045756	39045782	Gmdrm	hypo	CHG	-0.068
Gm10	39046010	39046263	Gmdrm	hypo	CHG	-0.115
Gm10	39061901	39062116	Gmdrm	hypo	CHG	-0.0367
Gm10	39067062	39067111	Gmdrm	hypo	CHG	-0.742
Gm10	39083122	39083661	Gmdrm	hypo	CHG	-0.051
Gm10	39091886	39092766	Gmdrm	hypo	CHG	-0.1811
Gm10	39102851	39103072	Gmdrm	hypo	CHG	-0.8234
Gm10	39103886	39104089	Gmdrm	hypo	CHG	-0.459
Gm10	39128215	39128335	Gmdrm	hypo	CHG	-0.058
Gm10	39141171	39141394	Gmdrm	hypo	CHG	-0.3383
Gm10	39143904	39144150	Gmdrm	hypo	CHG	-0.3809
Gm10	39144774	39144868	Gmdrm	hypo	CHG	-0.544
Gm10	39148029	39148344	Gmdrm	hypo	CHG	-0.0271
Gm10	39154080	39154348	Gmdrm	hypo	CHG	-0.2663
Gm10	39162893	39163113	Gmdrm	hypo	CHG	-0.1091
Gm10	39170802	39170993	Gmdrm	hypo	CHG	-0.03
Gm10	39171954	39172219	Gmdrm	hypo	CHG	-0.4582

Gm10	39180615	39180869	Gmdrm	hypo	CHG	-0.04
Gm10	39195536	39195619	Gmdrm	hypo	CHG	-0.1343
Gm10	39195756	39195841	Gmdrm	hypo	CHG	-0.39
Gm10	39211312	39211775	Gmdrm	hypo	CHG	-0.5671
Gm10	39234945	39235756	Gmdrm	hypo	CHG	-0.159
Gm10	39239361	39239488	Gmdrm	hypo	CHG	-0.2
Gm10	39240132	39240194	Gmdrm	hypo	CHG	-0.8144
Gm10	39245801	39246268	Gmdrm	hypo	CHG	-0.7307
Gm10	39267431	39267775	Gmdrm	hypo	CHG	-0.258
Gm10	39267973	39268547	Gmdrm	hypo	CHG	-0.1244
Gm10	39283302	39283487	Gmdrm	hypo	CHG	-0.3184
Gm10	39288090	39288221	Gmdrm	hypo	CHG	-0.0386
Gm10	39294146	39294319	Gmdrm	hypo	CHG	-0.066
Gm10	39296523	39296781	Gmdrm	hypo	CHG	-0.0373
Gm10	39313817	39314032	Gmdrm	hypo	CHG	-0.492
Gm10	39314425	39314644	Gmdrm	hypo	CHG	-0.3783
Gm10	39317938	39318372	Gmdrm	hypo	CHG	-0.3047
Gm10	39321919	39322230	Gmdrm	hypo	CHG	-0.2233
Gm10	39326725	39326886	Gmdrm	hypo	CHG	-0.036
Gm10	39330758	39330998	Gmdrm	hypo	CHG	-0.0389
Gm10	39348410	39348490	Gmdrm	hypo	CHG	-0.712
Gm10	39348656	39348985	Gmdrm	hypo	CHG	-0.8538
Gm10	39366862	39367611	Gmdrm	hypo	CHG	-0.5131
Gm10	39368131	39368335	Gmdrm	hypo	CHG	-0.1
Gm10	39371912	39372291	Gmdrm	hypo	CHG	-0.2675
Gm10	39378506	39379477	Gmdrm	hypo	CHG	-0.2516
Gm10	39385365	39385447	Gmdrm	hypo	CHG	-0.37
Gm10	39414446	39414656	Gmdrm	hypo	CHG	-0.6617
Gm10	39430290	39430678	Gmdrm	hypo	CHG	-0.47
Gm10	39431891	39432111	Gmdrm	hypo	CHG	-0.6834
Gm10	39432462	39432930	Gmdrm	hypo	CHG	-0.8421
Gm10	39440369	39440442	Gmdrm	hypo	CHG	-0.032
Gm10	39449762	39450030	Gmdrm	hypo	CHG	-0.4192
Gm10	39452484	39452744	Gmdrm	hypo	CHG	-0.3175
Gm10	39456509	39457060	Gmdrm	hypo	CHG	-0.6823
Gm10	39457558	39457657	Gmdrm	hypo	CHG	-0.8725
Gm10	39457964	39458093	Gmdrm	hypo	CHG	-0.8875
Gm10	39467416	39467591	Gmdrm	hypo	CHG	-0.072
Gm10	39479090	39479381	Gmdrm	hypo	CHG	-0.34
Gm10	39495971	39496156	Gmdrm	hypo	CHG	-0.56
Gm10	39525783	39525944	Gmdrm	hypo	CHG	-0.068
Gm10	39538700	39539253	Gmdrm	hypo	CHG	-0.4986
Gm10	39569453	39569631	Gmdrm	hypo	CHG	-0.6023
Gm10	39573442	39573771	Gmdrm	hypo	CHG	-0.0677
Gm10	39585385	39585563	Gmdrm	hypo	CHG	-0.066
Gm10	39585668	39585784	Gmdrm	hypo	CHG	-0.04

Gm10	39588831	39589092	Gmdrm	hypo	CHG	-0.261
Gm10	39598101	39598227	Gmdrm	hypo	CHG	-0.0492
Gm10	39598706	39598806	Gmdrm	hypo	CHG	-0.4783
Gm10	39606396	39606700	Gmdrm	hypo	CHG	-0.4325
Gm10	39624177	39624245	Gmdrm	hypo	CHG	-0.404
Gm10	39640131	39640235	Gmdrm	hypo	CHG	-0.076
Gm10	39648630	39649352	Gmdrm	hypo	CHG	-0.3347
Gm10	39651718	39652122	Gmdrm	hypo	CHG	-0.6823
Gm10	39668334	39669215	Gmdrm	hypo	CHG	-0.5882
Gm10	39671982	39672374	Gmdrm	hypo	CHG	-0.7528
Gm10	39683478	39683750	Gmdrm	hypo	CHG	-0.45
Gm10	39690205	39691137	Gmdrm	hypo	CHG	-0.2413
Gm10	39693676	39693890	Gmdrm	hypo	CHG	-0.6963
Gm10	39726642	39726818	Gmdrm	hypo	CHG	-0.5343
Gm10	39733054	39733237	Gmdrm	hypo	CHG	-0.4028
Gm10	39733356	39733549	Gmdrm	hypo	CHG	-0.0683
Gm10	39771524	39771955	Gmdrm	hypo	CHG	-0.2183
Gm10	39775182	39775270	Gmdrm	hypo	CHG	-0.5818
Gm10	39799927	39800147	Gmdrm	hypo	CHG	-0.111
Gm10	39803073	39803848	Gmdrm	hypo	CHG	-0.5607
Gm10	39815776	39816182	Gmdrm	hypo	CHG	-0.2928
Gm10	39828110	39828284	Gmdrm	hypo	CHG	-0.8007
Gm10	39831598	39831659	Gmdrm	hypo	CHG	-0.7112
Gm10	39832058	39832248	Gmdrm	hypo	CHG	-0.758
Gm10	39859551	39859695	Gmdrm	hypo	CHG	-0.8262
Gm10	39864327	39864765	Gmdrm	hypo	CHG	-0.0337
Gm10	39882554	39882626	Gmdrm	hypo	CHG	-0.04
Gm10	39894594	39894695	Gmdrm	hypo	CHG	-0.3685
Gm10	39913811	39913874	Gmdrm	hypo	CHG	-0.034
Gm10	39922256	39922326	Gmdrm	hypo	CHG	-0.228
Gm10	39946046	39946325	Gmdrm	hypo	CHG	-0.2553
Gm10	39946448	39946902	Gmdrm	hypo	CHG	-0.3575
Gm10	39947003	39947458	Gmdrm	hypo	CHG	-0.288
Gm10	39993081	39993195	Gmdrm	hypo	CHG	-0.678
Gm10	39993428	39993495	Gmdrm	hypo	CHG	-0.818
Gm10	40015240	40015500	Gmdrm	hypo	CHG	-0.26
Gm10	40019237	40019455	Gmdrm	hypo	CHG	-0.5088
Gm10	40019569	40019682	Gmdrm	hypo	CHG	-0.328
Gm10	40019967	40020062	Gmdrm	hypo	CHG	-0.67
Gm10	40030157	40030512	Gmdrm	hypo	CHG	-0.2082
Gm10	40030627	40031082	Gmdrm	hypo	CHG	-0.227
Gm10	40035407	40035769	Gmdrm	hypo	CHG	-0.1514
Gm10	40036558	40036728	Gmdrm	hypo	CHG	-0.0717
Gm10	40038132	40038362	Gmdrm	hypo	CHG	-0.0733
Gm10	40045623	40045837	Gmdrm	hypo	CHG	-0.0617
Gm10	40049195	40049630	Gmdrm	hypo	CHG	-0.0927

Gm10	40070830	40070986 Gmdrm	hypo	CHG	-0.042
Gm10	40091547	40091620 Gmdrm	hypo	CHG	-0.504
Gm10	40091775	40092165 Gmdrm	hypo	CHG	-0.7665
Gm10	40139156	40139300 Gmdrm	hypo	CHG	-0.052
Gm10	40139730	40140219 Gmdrm	hypo	CHG	-0.035
Gm10	40143284	40143715 Gmdrm	hypo	CHG	-0.4994
Gm10	40143838	40143933 Gmdrm	hypo	CHG	-0.7583
Gm10	40144069	40144236 Gmdrm	hypo	CHG	-0.575
Gm10	40144381	40144509 Gmdrm	hypo	CHG	-0.412
Gm10	40150160	40150311 Gmdrm	hypo	CHG	-0.275
Gm10	40150531	40150769 Gmdrm	hypo	CHG	-0.8561
Gm10	40150931	40151448 Gmdrm	hypo	CHG	-0.0436
Gm10	40190747	40191028 Gmdrm	hypo	CHG	-0.0341
Gm10	40198671	40198958 Gmdrm	hypo	CHG	-0.0433
Gm10	40199623	40200022 Gmdrm	hypo	CHG	-0.025
Gm10	40203269	40203782 Gmdrm	hypo	CHG	-0.0275
Gm10	40218311	40218899 Gmdrm	hypo	CHG	-0.4708
Gm10	40237875	40238006 Gmdrm	hypo	CHG	-0.4867
Gm10	40238147	40238567 Gmdrm	hypo	CHG	-0.6197
Gm10	40288082	40288216 Gmdrm	hypo	CHG	-0.275
Gm10	40307374	40307727 Gmdrm	hypo	CHG	-0.33
Gm10	40318171	40318260 Gmdrm	hypo	CHG	-0.77
Gm10	40318802	40318825 Gmdrm	hypo	CHG	-0.7933
Gm10	40334211	40334493 Gmdrm	hypo	CHG	-0.1935
Gm10	40339411	40339427 Gmdrm	hypo	CHG	-0.3267
Gm10	40350784	40351279 Gmdrm	hypo	CHG	-0.4631
Gm10	40372132	40372739 Gmdrm	hypo	CHG	-0.5095
Gm10	40387017	40387145 Gmdrm	hypo	CHG	-0.71
Gm10	40400496	40401053 Gmdrm	hypo	CHG	-0.1163
Gm10	40401166	40401981 Gmdrm	hypo	CHG	-0.124
Gm10	40402262	40402306 Gmdrm	hypo	CHG	-0.036
Gm10	40402508	40402602 Gmdrm	hypo	CHG	-0.1815
Gm10	40406703	40407155 Gmdrm	hypo	CHG	-0.0459
Gm10	40408492	40408660 Gmdrm	hypo	CHG	-0.7475
Gm10	40409294	40409406 Gmdrm	hypo	CHG	-0.1967
Gm10	40415525	40415630 Gmdrm	hypo	CHG	-0.4113
Gm10	40415752	40415933 Gmdrm	hypo	CHG	-0.815
Gm10	40424835	40424976 Gmdrm	hypo	CHG	-0.1483
Gm10	40448766	40448985 Gmdrm	hypo	CHG	-0.6349
Gm10	40449238	40449812 Gmdrm	hypo	CHG	-0.3523
Gm10	40463011	40463246 Gmdrm	hypo	CHG	-0.5511
Gm10	40469550	40469687 Gmdrm	hypo	CHG	-0.705
Gm10	40482998	40483150 Gmdrm	hypo	CHG	-0.172
Gm10	40484261	40484561 Gmdrm	hypo	CHG	-0.0417
Gm10	40486700	40487092 Gmdrm	hypo	CHG	-0.8006
Gm10	40487277	40487498 Gmdrm	hypo	CHG	-0.4505

Gm10	40512453	40512505	Gmdrm	hypo	CHG	-0.0326
Gm10	40514447	40514621	Gmdrm	hypo	CHG	-0.072
Gm10	40522857	40522987	Gmdrm	hypo	CHG	-0.0657
Gm10	40523198	40523398	Gmdrm	hypo	CHG	-0.6667
Gm10	40523625	40523679	Gmdrm	hypo	CHG	-0.755
Gm10	40523784	40523802	Gmdrm	hypo	CHG	-0.822
Gm10	40549051	40549158	Gmdrm	hypo	CHG	-0.5467
Gm10	40558468	40558658	Gmdrm	hypo	CHG	-0.5613
Gm10	40558770	40558911	Gmdrm	hypo	CHG	-0.483
Gm10	40612402	40612556	Gmdrm	hypo	CHG	-0.032
Gm10	40615588	40615754	Gmdrm	hypo	CHG	-0.05
Gm10	40625302	40625413	Gmdrm	hypo	CHG	-0.65
Gm10	40625543	40625681	Gmdrm	hypo	CHG	-0.506
Gm10	40648312	40648560	Gmdrm	hypo	CHG	-0.2191
Gm10	40664618	40664732	Gmdrm	hypo	CHG	-0.072
Gm10	40672781	40673085	Gmdrm	hypo	CHG	-0.0379
Gm10	40676628	40676927	Gmdrm	hypo	CHG	-0.0273
Gm10	40684642	40684822	Gmdrm	hypo	CHG	-0.032
Gm10	40703470	40704464	Gmdrm	hypo	CHG	-0.2108
Gm10	40704474	40704720	Gmdrm	hypo	CHG	-0.2778
Gm10	40711040	40711173	Gmdrm	hypo	CHG	-0.06
Gm10	40712965	40713182	Gmdrm	hypo	CHG	-0.4645
Gm10	40715474	40715589	Gmdrm	hypo	CHG	-0.362
Gm10	40715780	40715800	Gmdrm	hypo	CHG	-0.6167
Gm10	40724982	40725122	Gmdrm	hypo	CHG	-0.04
Gm10	40727345	40727439	Gmdrm	hypo	CHG	-0.12
Gm10	40746054	40746319	Gmdrm	hypo	CHG	-0.6159
Gm10	40746897	40746963	Gmdrm	hypo	CHG	-0.68
Gm10	40750370	40750483	Gmdrm	hypo	CHG	-0.624
Gm10	40762921	40763292	Gmdrm	hypo	CHG	-0.5613
Gm10	40774444	40774554	Gmdrm	hypo	CHG	-0.05
Gm10	40806974	40807108	Gmdrm	hypo	CHG	-0.065
Gm10	40820330	40820695	Gmdrm	hypo	CHG	-0.5467
Gm10	40825447	40825642	Gmdrm	hypo	CHG	-0.6233
Gm10	40842352	40842415	Gmdrm	hypo	CHG	-0.1316
Gm10	40848768	40848892	Gmdrm	hypo	CHG	-0.5045
Gm10	40853107	40853664	Gmdrm	hypo	CHG	-0.1806
Gm10	40863487	40863519	Gmdrm	hypo	CHG	-0.472
Gm10	40872398	40872999	Gmdrm	hypo	CHG	-0.8584
Gm10	40873305	40873581	Gmdrm	hypo	CHG	-0.3934
Gm10	40890265	40890423	Gmdrm	hypo	CHG	-0.8666
Gm10	40894034	40894125	Gmdrm	hypo	CHG	-0.058
Gm10	40898351	40899314	Gmdrm	hypo	CHG	-0.1044
Gm10	40912260	40912396	Gmdrm	hypo	CHG	-0.3677
Gm10	40931460	40931718	Gmdrm	hypo	CHG	-0.4277
Gm10	40948009	40948201	Gmdrm	hypo	CHG	-0.0633

Gm10	40949328	40949585	Gmdrm	hypo	CHG	-0.0462
Gm10	40951345	40951591	Gmdrm	hypo	CHG	-0.7653
Gm10	40963538	40963653	Gmdrm	hypo	CHG	-0.0372
Gm10	40964114	40964492	Gmdrm	hypo	CHG	-0.5469
Gm10	40968438	40968693	Gmdrm	hypo	CHG	-0.26
Gm10	40968796	40969092	Gmdrm	hypo	CHG	-0.3664
Gm10	40979933	40979987	Gmdrm	hypo	CHG	-0.5412
Gm10	40980720	40980757	Gmdrm	hypo	CHG	-0.2917
Gm10	40984183	40984914	Gmdrm	hypo	CHG	-0.2317
Gm10	40986767	40986980	Gmdrm	hypo	CHG	-0.6685
Gm10	40987100	40987451	Gmdrm	hypo	CHG	-0.198
Gm10	40987614	40988183	Gmdrm	hypo	CHG	-0.6694
Gm10	41037582	41037714	Gmdrm	hypo	CHG	-0.5917
Gm10	41045507	41045616	Gmdrm	hypo	CHG	-0.5616
Gm10	41077706	41078244	Gmdrm	hypo	CHG	-0.3231
Gm10	41084481	41084713	Gmdrm	hypo	CHG	-0.0374
Gm10	41117736	41117752	Gmdrm	hypo	CHG	-0.452
Gm10	41141586	41142262	Gmdrm	hypo	CHG	-0.7769
Gm10	41151657	41151885	Gmdrm	hypo	CHG	-0.2577
Gm10	41161153	41161278	Gmdrm	hypo	CHG	-0.046
Gm10	41162229	41162437	Gmdrm	hypo	CHG	-0.0301
Gm10	41169020	41169116	Gmdrm	hypo	CHG	-0.265
Gm10	41169237	41169279	Gmdrm	hypo	CHG	-0.6667
Gm10	41171996	41172261	Gmdrm	hypo	CHG	-0.7436
Gm10	41173899	41174029	Gmdrm	hypo	CHG	-0.74
Gm10	41181471	41181596	Gmdrm	hypo	CHG	-0.7631
Gm10	41208033	41208126	Gmdrm	hypo	CHG	-0.654
Gm10	41216739	41217232	Gmdrm	hypo	CHG	-0.7522
Gm10	41220152	41220461	Gmdrm	hypo	CHG	-0.025
Gm10	41228894	41229096	Gmdrm	hypo	CHG	-0.3194
Gm10	41230707	41231055	Gmdrm	hypo	CHG	-0.3657
Gm10	41231187	41231322	Gmdrm	hypo	CHG	-0.472
Gm10	41231606	41231758	Gmdrm	hypo	CHG	-0.194
Gm10	41256497	41256784	Gmdrm	hypo	CHG	-0.2929
Gm10	41292533	41292740	Gmdrm	hypo	CHG	-0.5837
Gm10	41293194	41293361	Gmdrm	hypo	CHG	-0.845
Gm10	41311361	41311796	Gmdrm	hypo	CHG	-0.2506
Gm10	41316706	41316766	Gmdrm	hypo	CHG	-0.11
Gm10	41317352	41317509	Gmdrm	hypo	CHG	-0.6883
Gm10	41317898	41318072	Gmdrm	hypo	CHG	-0.4816
Gm10	41325756	41325977	Gmdrm	hypo	CHG	-0.7095
Gm10	41326530	41326744	Gmdrm	hypo	CHG	-0.4205
Gm10	41329869	41330036	Gmdrm	hypo	CHG	-0.4483
Gm10	41330184	41330252	Gmdrm	hypo	CHG	-0.634
Gm10	41331723	41332080	Gmdrm	hypo	CHG	-0.6713
Gm10	41332446	41332583	Gmdrm	hypo	CHG	-0.5945

Gm10	41333214	41333418	Gmdrm	hypo	CHG	-0.547
Gm10	41334182	41334612	Gmdrm	hypo	CHG	-0.7411
Gm10	41343084	41343243	Gmdrm	hypo	CHG	-0.7964
Gm10	41358806	41359006	Gmdrm	hypo	CHG	-0.03
Gm10	41380742	41380873	Gmdrm	hypo	CHG	-0.542
Gm10	41382188	41382586	Gmdrm	hypo	CHG	-0.2833
Gm10	41416873	41417352	Gmdrm	hypo	CHG	-0.0258
Gm10	41421242	41421546	Gmdrm	hypo	CHG	-0.8008
Gm10	41437158	41437319	Gmdrm	hypo	CHG	-0.034
Gm10	41455140	41455315	Gmdrm	hypo	CHG	-0.0358
Gm10	41461314	41461458	Gmdrm	hypo	CHG	-0.0328
Gm10	41461690	41461815	Gmdrm	hypo	CHG	-0.5636
Gm10	41467952	41468246	Gmdrm	hypo	CHG	-0.455
Gm10	41480095	41480176	Gmdrm	hypo	CHG	-0.2371
Gm10	41483937	41484035	Gmdrm	hypo	CHG	-0.092
Gm10	41501863	41502000	Gmdrm	hypo	CHG	-0.5437
Gm10	41510999	41511111	Gmdrm	hypo	CHG	-0.6669
Gm10	41511392	41511477	Gmdrm	hypo	CHG	-0.05
Gm10	41512312	41512694	Gmdrm	hypo	CHG	-0.61
Gm10	41522419	41522770	Gmdrm	hypo	CHG	-0.6241
Gm10	41531298	41531527	Gmdrm	hypo	CHG	-0.51
Gm10	41535346	41535454	Gmdrm	hypo	CHG	-0.2375
Gm10	41537040	41537193	Gmdrm	hypo	CHG	-0.548
Gm10	41670293	41670443	Gmdrm	hypo	CHG	-0.4579
Gm10	41757897	41758072	Gmdrm	hypo	CHG	-0.4762
Gm10	41758208	41758904	Gmdrm	hypo	CHG	-0.2125
Gm10	41774149	41774446	Gmdrm	hypo	CHG	-0.732
Gm10	41784311	41784552	Gmdrm	hypo	CHG	-0.8147
Gm10	41784972	41785205	Gmdrm	hypo	CHG	-0.8243
Gm10	41810402	41810683	Gmdrm	hypo	CHG	-0.3174
Gm10	41814790	41814924	Gmdrm	hypo	CHG	-0.0283
Gm10	41828728	41828923	Gmdrm	hypo	CHG	-0.4833
Gm10	41829474	41829614	Gmdrm	hypo	CHG	-0.7107
Gm10	41849404	41849605	Gmdrm	hypo	CHG	-0.814
Gm10	41866934	41867156	Gmdrm	hypo	CHG	-0.0286
Gm10	41898467	41898566	Gmdrm	hypo	CHG	-0.6875
Gm10	41917024	41917171	Gmdrm	hypo	CHG	-0.0586
Gm10	41920507	41921129	Gmdrm	hypo	CHG	-0.1644
Gm10	41936966	41937023	Gmdrm	hypo	CHG	-0.2838
Gm10	41937638	41937689	Gmdrm	hypo	CHG	-0.0917
Gm10	41939160	41939331	Gmdrm	hypo	CHG	-0.1844
Gm10	41939697	41939999	Gmdrm	hypo	CHG	-0.4368
Gm10	41956749	41956951	Gmdrm	hypo	CHG	-0.6046
Gm10	41969516	41969647	Gmdrm	hypo	CHG	-0.6373
Gm10	41973123	41973137	Gmdrm	hypo	CHG	-0.7233
Gm10	41973321	41973329	Gmdrm	hypo	CHG	-0.536

Gm10	41975902	41975986	Gmdrm	hypo	CHG	-0.48
Gm10	41976634	41976804	Gmdrm	hypo	CHG	-0.4442
Gm10	41980882	41981126	Gmdrm	hypo	CHG	-0.4792
Gm10	41981439	41981605	Gmdrm	hypo	CHG	-0.6631
Gm10	42003365	42003419	Gmdrm	hypo	CHG	-0.6234
Gm10	42019053	42019084	Gmdrm	hypo	CHG	-0.528
Gm10	42019726	42019805	Gmdrm	hypo	CHG	-0.4267
Gm10	42029257	42029455	Gmdrm	hypo	CHG	-0.713
Gm10	42030788	42031060	Gmdrm	hypo	CHG	-0.258
Gm10	42031543	42031772	Gmdrm	hypo	CHG	-0.4816
Gm10	42032147	42032818	Gmdrm	hypo	CHG	-0.2695
Gm10	42039177	42039405	Gmdrm	hypo	CHG	-0.6577
Gm10	42039540	42039605	Gmdrm	hypo	CHG	-0.1862
Gm10	42046239	42046435	Gmdrm	hypo	CHG	-0.245
Gm10	42051497	42051632	Gmdrm	hypo	CHG	-0.4915
Gm10	42059937	42060189	Gmdrm	hypo	CHG	-0.563
Gm10	42060297	42060327	Gmdrm	hypo	CHG	-0.5234
Gm10	42060537	42060615	Gmdrm	hypo	CHG	-0.4662
Gm10	42060891	42061155	Gmdrm	hypo	CHG	-0.0678
Gm10	42087163	42087389	Gmdrm	hypo	CHG	-0.8337
Gm10	42095125	42095253	Gmdrm	hypo	CHG	-0.8117
Gm10	42106696	42106788	Gmdrm	hypo	CHG	-0.118
Gm10	42148486	42148858	Gmdrm	hypo	CHG	-0.2875
Gm10	42175575	42175976	Gmdrm	hypo	CHG	-0.358
Gm10	42185727	42185926	Gmdrm	hypo	CHG	-0.5411
Gm10	42186100	42186594	Gmdrm	hypo	CHG	-0.7305
Gm10	42187157	42187339	Gmdrm	hypo	CHG	-0.575
Gm10	42189044	42189722	Gmdrm	hypo	CHG	-0.0875
Gm10	42189852	42190209	Gmdrm	hypo	CHG	-0.4492
Gm10	42190467	42190586	Gmdrm	hypo	CHG	-0.8683
Gm10	42190965	42191022	Gmdrm	hypo	CHG	-0.6084
Gm10	42229412	42229726	Gmdrm	hypo	CHG	-0.0573
Gm10	42230221	42230300	Gmdrm	hypo	CHG	-0.93
Gm10	42245479	42245689	Gmdrm	hypo	CHG	-0.6391
Gm10	42246004	42246430	Gmdrm	hypo	CHG	-0.6129
Gm10	42259253	42259349	Gmdrm	hypo	CHG	-0.2128
Gm10	42274021	42274227	Gmdrm	hypo	CHG	-0.9088
Gm10	42274486	42274600	Gmdrm	hypo	CHG	-0.374
Gm10	42286503	42287492	Gmdrm	hypo	CHG	-0.2081
Gm10	42301839	42301994	Gmdrm	hypo	CHG	-0.39
Gm10	42306612	42307081	Gmdrm	hypo	CHG	-0.4336
Gm10	42316397	42316619	Gmdrm	hypo	CHG	-0.508
Gm10	42323098	42323289	Gmdrm	hypo	CHG	-0.042
Gm10	42336141	42336368	Gmdrm	hypo	CHG	-0.6
Gm10	42336835	42336917	Gmdrm	hypo	CHG	-0.3567
Gm10	42337403	42337536	Gmdrm	hypo	CHG	-0.2252

Gm10	42337945	42338321	Gmdrm	hypo	CHG	-0.7335
Gm10	42348436	42348569	Gmdrm	hypo	CHG	-0.1588
Gm10	42368913	42369141	Gmdrm	hypo	CHG	-0.587
Gm10	42403972	42404010	Gmdrm	hypo	CHG	-0.875
Gm10	42443916	42444157	Gmdrm	hypo	CHG	-0.846
Gm10	42444268	42444531	Gmdrm	hypo	CHG	-0.7373
Gm10	42449994	42450152	Gmdrm	hypo	CHG	-0.0267
Gm10	42453299	42453348	Gmdrm	hypo	CHG	-0.5383
Gm10	42453556	42453677	Gmdrm	hypo	CHG	-0.7766
Gm10	42454013	42454147	Gmdrm	hypo	CHG	-0.8267
Gm10	42470006	42470045	Gmdrm	hypo	CHG	-0.0977
Gm10	42475293	42475543	Gmdrm	hypo	CHG	-0.03
Gm10	42478734	42479146	Gmdrm	hypo	CHG	-0.0241
Gm10	42483823	42484112	Gmdrm	hypo	CHG	-0.465
Gm10	42499145	42499359	Gmdrm	hypo	CHG	-0.4283
Gm10	42514999	42515305	Gmdrm	hypo	CHG	-0.6647
Gm10	42516896	42517013	Gmdrm	hypo	CHG	-0.395
Gm10	42546877	42546995	Gmdrm	hypo	CHG	-0.585
Gm10	42551838	42552129	Gmdrm	hypo	CHG	-0.798
Gm10	42552489	42552581	Gmdrm	hypo	CHG	-0.8311
Gm10	42575919	42575998	Gmdrm	hypo	CHG	-0.0383
Gm10	42585876	42586075	Gmdrm	hypo	CHG	-0.1009
Gm10	42587283	42587362	Gmdrm	hypo	CHG	-0.517
Gm10	42598703	42598868	Gmdrm	hypo	CHG	-0.06
Gm10	42605858	42606033	Gmdrm	hypo	CHG	-0.7356
Gm10	42616482	42616507	Gmdrm	hypo	CHG	-0.1116
Gm10	42638709	42638785	Gmdrm	hypo	CHG	-0.6784
Gm10	42641187	42641413	Gmdrm	hypo	CHG	-0.4589
Gm10	42664338	42664455	Gmdrm	hypo	CHG	-0.739
Gm10	42668997	42669158	Gmdrm	hypo	CHG	-0.6809
Gm10	42673199	42673385	Gmdrm	hypo	CHG	-0.794
Gm10	42673538	42673637	Gmdrm	hypo	CHG	-0.8575
Gm10	42673822	42674013	Gmdrm	hypo	CHG	-0.541
Gm10	42674146	42674547	Gmdrm	hypo	CHG	-0.2111
Gm10	42676157	42676238	Gmdrm	hypo	CHG	-0.1313
Gm10	42676476	42676635	Gmdrm	hypo	CHG	-0.249
Gm10	42678322	42678446	Gmdrm	hypo	CHG	-0.0871
Gm10	42678652	42678896	Gmdrm	hypo	CHG	-0.7777
Gm10	42679087	42679321	Gmdrm	hypo	CHG	-0.6115
Gm10	42688262	42688374	Gmdrm	hypo	CHG	-0.7225
Gm10	42689258	42689845	Gmdrm	hypo	CHG	-0.4774
Gm10	42692762	42692968	Gmdrm	hypo	CHG	-0.8265
Gm10	42693103	42693285	Gmdrm	hypo	CHG	-0.6967
Gm10	42737971	42738079	Gmdrm	hypo	CHG	-0.7167
Gm10	42738212	42738429	Gmdrm	hypo	CHG	-0.775
Gm10	42738552	42739109	Gmdrm	hypo	CHG	-0.6924

Gm10	42750436	42750558	Gmdrm	hypo	CHG	-0.0483
Gm10	42751009	42751167	Gmdrm	hypo	CHG	-0.6443
Gm10	42756050	42756115	Gmdrm	hypo	CHG	-0.95
Gm10	42766921	42767200	Gmdrm	hypo	CHG	-0.4728
Gm10	42767718	42767915	Gmdrm	hypo	CHG	-0.0367
Gm10	42771118	42771155	Gmdrm	hypo	CHG	-0.6733
Gm10	42771630	42771812	Gmdrm	hypo	CHG	-0.6481
Gm10	42774514	42774595	Gmdrm	hypo	CHG	-0.2114
Gm10	42781178	42781508	Gmdrm	hypo	CHG	-0.0312
Gm10	42805383	42805798	Gmdrm	hypo	CHG	-0.7189
Gm10	42814606	42815369	Gmdrm	hypo	CHG	-0.6964
Gm10	42824560	42824814	Gmdrm	hypo	CHG	-0.0564
Gm10	42852732	42852892	Gmdrm	hypo	CHG	-0.226
Gm10	42853024	42853072	Gmdrm	hypo	CHG	-0.8367
Gm10	42853311	42853839	Gmdrm	hypo	CHG	-0.5815
Gm10	42888291	42888531	Gmdrm	hypo	CHG	-0.04
Gm10	42892398	42892572	Gmdrm	hypo	CHG	-0.7656
Gm10	42930457	42930699	Gmdrm	hypo	CHG	-0.5182
Gm10	42931038	42931153	Gmdrm	hypo	CHG	-0.5334
Gm10	42974039	42974183	Gmdrm	hypo	CHG	-0.0867
Gm10	43010900	43011001	Gmdrm	hypo	CHG	-0.134
Gm10	43028257	43028459	Gmdrm	hypo	CHG	-0.8643
Gm10	43035002	43035146	Gmdrm	hypo	CHG	-0.0633
Gm10	43101687	43101930	Gmdrm	hypo	CHG	-0.5312
Gm10	43102383	43102570	Gmdrm	hypo	CHG	-0.5434
Gm10	43102768	43102817	Gmdrm	hypo	CHG	-0.766
Gm10	43118696	43119696	Gmdrm	hypo	CHG	-0.2038
Gm10	43146172	43146511	Gmdrm	hypo	CHG	-0.7808
Gm10	43170338	43170473	Gmdrm	hypo	CHG	-0.046
Gm10	43179968	43180102	Gmdrm	hypo	CHG	-0.0433
Gm10	43207126	43207350	Gmdrm	hypo	CHG	-0.6461
Gm10	43207820	43208333	Gmdrm	hypo	CHG	-0.7316
Gm10	43214757	43214771	Gmdrm	hypo	CHG	-0.079
Gm10	43216427	43216502	Gmdrm	hypo	CHG	-0.6575
Gm10	43216971	43217222	Gmdrm	hypo	CHG	-0.578
Gm10	43239058	43239222	Gmdrm	hypo	CHG	-0.66
Gm10	43247553	43247805	Gmdrm	hypo	CHG	-0.035
Gm10	43277251	43277309	Gmdrm	hypo	CHG	-0.916
Gm10	43277536	43277703	Gmdrm	hypo	CHG	-0.87
Gm10	43277808	43277856	Gmdrm	hypo	CHG	-0.8183
Gm10	43284333	43284361	Gmdrm	hypo	CHG	-0.542
Gm10	43284465	43284621	Gmdrm	hypo	CHG	-0.2975
Gm10	43288073	43288190	Gmdrm	hypo	CHG	-0.548
Gm10	43290805	43291137	Gmdrm	hypo	CHG	-0.0562
Gm10	43300100	43300197	Gmdrm	hypo	CHG	-0.0533
Gm10	43325596	43325701	Gmdrm	hypo	CHG	-0.7917

Gm10	43326249	43326428	Gmdrm	hypo	CHG	-0.907
Gm10	43336793	43336865	Gmdrm	hypo	CHG	-0.058
Gm10	43348291	43348727	Gmdrm	hypo	CHG	-0.4366
Gm10	43359491	43359696	Gmdrm	hypo	CHG	-0.035
Gm10	43365779	43365986	Gmdrm	hypo	CHG	-0.8819
Gm10	43366195	43366477	Gmdrm	hypo	CHG	-0.5669
Gm10	43370118	43370167	Gmdrm	hypo	CHG	-0.44
Gm10	43371017	43371285	Gmdrm	hypo	CHG	-0.45
Gm10	43371394	43371489	Gmdrm	hypo	CHG	-0.5689
Gm10	43397898	43398033	Gmdrm	hypo	CHG	-0.8111
Gm10	43398248	43398629	Gmdrm	hypo	CHG	-0.6541
Gm10	43412727	43412832	Gmdrm	hypo	CHG	-0.49
Gm10	43414841	43414917	Gmdrm	hypo	CHG	-0.2637
Gm10	43428343	43428461	Gmdrm	hypo	CHG	-0.035
Gm10	43494321	43494521	Gmdrm	hypo	CHG	-0.0543
Gm10	43509024	43509414	Gmdrm	hypo	CHG	-0.4417
Gm10	43522866	43522970	Gmdrm	hypo	CHG	-0.627
Gm10	43524042	43524321	Gmdrm	hypo	CHG	-0.5381
Gm10	43546200	43546459	Gmdrm	hypo	CHG	-0.3658
Gm10	43547008	43547064	Gmdrm	hypo	CHG	-0.525
Gm10	43552454	43552915	Gmdrm	hypo	CHG	-0.1331
Gm10	43570455	43570670	Gmdrm	hypo	CHG	-0.7676
Gm10	43571382	43571475	Gmdrm	hypo	CHG	-0.87
Gm10	43592515	43593029	Gmdrm	hypo	CHG	-0.33
Gm10	43595312	43595392	Gmdrm	hypo	CHG	-0.3755
Gm10	43607870	43608072	Gmdrm	hypo	CHG	-0.0343
Gm10	43608433	43608851	Gmdrm	hypo	CHG	-0.6329
Gm10	43621965	43622116	Gmdrm	hypo	CHG	-0.105
Gm10	43623807	43624039	Gmdrm	hypo	CHG	-0.556
Gm10	43624839	43625011	Gmdrm	hypo	CHG	-0.154
Gm10	43650580	43650645	Gmdrm	hypo	CHG	-0.6517
Gm10	43653342	43653685	Gmdrm	hypo	CHG	-0.7613
Gm10	43653826	43653930	Gmdrm	hypo	CHG	-0.695
Gm10	43681734	43681891	Gmdrm	hypo	CHG	-0.6514
Gm10	43714560	43714759	Gmdrm	hypo	CHG	-0.0829
Gm10	43723717	43723985	Gmdrm	hypo	CHG	-0.0256
Gm10	43752704	43753172	Gmdrm	hypo	CHG	-0.4339
Gm10	43780307	43780446	Gmdrm	hypo	CHG	-0.038
Gm10	43786516	43786592	Gmdrm	hypo	CHG	-0.7527
Gm10	43795846	43796094	Gmdrm	hypo	CHG	-0.326
Gm10	43799057	43799665	Gmdrm	hypo	CHG	-0.1912
Gm10	43805469	43805579	Gmdrm	hypo	CHG	-0.406
Gm10	43835173	43835348	Gmdrm	hypo	CHG	-0.5584
Gm10	43835792	43836340	Gmdrm	hypo	CHG	-0.0681
Gm10	43840874	43841060	Gmdrm	hypo	CHG	-0.4511
Gm10	43841460	43842334	Gmdrm	hypo	CHG	-0.2079

Gm10	43844096	43844190	Gmdrm	hypo	CHG	-0.0387
Gm10	43869341	43869610	Gmdrm	hypo	CHG	-0.115
Gm10	43876136	43876209	Gmdrm	hypo	CHG	-0.135
Gm10	43877605	43877721	Gmdrm	hypo	CHG	-0.3612
Gm10	43880213	43880361	Gmdrm	hypo	CHG	-0.3334
Gm10	43896695	43896754	Gmdrm	hypo	CHG	-0.06
Gm10	43897124	43897154	Gmdrm	hypo	CHG	-0.27
Gm10	43914530	43914662	Gmdrm	hypo	CHG	-0.5314
Gm10	43938516	43938723	Gmdrm	hypo	CHG	-0.8062
Gm10	43941738	43941863	Gmdrm	hypo	CHG	-0.634
Gm10	43944117	43944251	Gmdrm	hypo	CHG	-0.5888
Gm10	43946093	43946199	Gmdrm	hypo	CHG	-0.056
Gm10	43948833	43948980	Gmdrm	hypo	CHG	-0.0383
Gm10	43950427	43950637	Gmdrm	hypo	CHG	-0.0314
Gm10	43985158	43985311	Gmdrm	hypo	CHG	-0.1944
Gm10	43987958	43988937	Gmdrm	hypo	CHG	-0.3568
Gm10	43988976	43989253	Gmdrm	hypo	CHG	-0.2556
Gm10	43989529	43990313	Gmdrm	hypo	CHG	-0.2269
Gm10	43991111	43992109	Gmdrm	hypo	CHG	-0.0536
Gm10	43998047	43998405	Gmdrm	hypo	CHG	-0.7279
Gm10	44022860	44023116	Gmdrm	hypo	CHG	-0.2139
Gm10	44023229	44023655	Gmdrm	hypo	CHG	-0.3212
Gm10	44043379	44043489	Gmdrm	hypo	CHG	-0.048
Gm10	44048249	44048462	Gmdrm	hypo	CHG	-0.03
Gm10	44052056	44052316	Gmdrm	hypo	CHG	-0.7663
Gm10	44052460	44052757	Gmdrm	hypo	CHG	-0.885
Gm10	44060584	44060802	Gmdrm	hypo	CHG	-0.0417
Gm10	44062678	44062919	Gmdrm	hypo	CHG	-0.0343
Gm10	44063922	44064128	Gmdrm	hypo	CHG	-0.3241
Gm10	44065980	44066117	Gmdrm	hypo	CHG	-0.3425
Gm10	44067662	44067741	Gmdrm	hypo	CHG	-0.3917
Gm10	44069483	44069922	Gmdrm	hypo	CHG	-0.0683
Gm10	44074597	44074705	Gmdrm	hypo	CHG	-0.0572
Gm10	44088050	44088441	Gmdrm	hypo	CHG	-0.7217
Gm10	44092958	44093490	Gmdrm	hypo	CHG	-0.638
Gm10	44102350	44102443	Gmdrm	hypo	CHG	-0.6217
Gm10	44102842	44103013	Gmdrm	hypo	CHG	-0.2367
Gm10	44107119	44107211	Gmdrm	hypo	CHG	-0.614
Gm10	44161571	44161700	Gmdrm	hypo	CHG	-0.064
Gm10	44180560	44180760	Gmdrm	hypo	CHG	-0.03
Gm10	44190151	44190246	Gmdrm	hypo	CHG	-0.06
Gm10	44199241	44199598	Gmdrm	hypo	CHG	-0.7865
Gm10	44209721	44209885	Gmdrm	hypo	CHG	-0.035
Gm10	44210381	44210654	Gmdrm	hypo	CHG	-0.0583
Gm10	44214537	44214691	Gmdrm	hypo	CHG	-0.061
Gm10	44257856	44258049	Gmdrm	hypo	CHG	-0.574

Gm10	44258156	44258267	Gmdrm	hypo	CHG	-0.7362
Gm10	44297225	44297461	Gmdrm	hypo	CHG	-0.049
Gm10	44331455	44331610	Gmdrm	hypo	CHG	-0.0333
Gm10	44335426	44335474	Gmdrm	hypo	CHG	-0.9733
Gm10	44335752	44335928	Gmdrm	hypo	CHG	-0.8089
Gm10	44336491	44336607	Gmdrm	hypo	CHG	-0.792
Gm10	44338869	44339092	Gmdrm	hypo	CHG	-0.611
Gm10	44351988	44352142	Gmdrm	hypo	CHG	-0.7666
Gm10	44352389	44352446	Gmdrm	hypo	CHG	-0.695
Gm10	44352722	44353037	Gmdrm	hypo	CHG	-0.628
Gm10	44364126	44364265	Gmdrm	hypo	CHG	-0.475
Gm10	44369543	44369752	Gmdrm	hypo	CHG	-0.0628
Gm10	44370462	44370483	Gmdrm	hypo	CHG	-0.0925
Gm10	44375574	44375949	Gmdrm	hypo	CHG	-0.0331
Gm10	44387953	44388113	Gmdrm	hypo	CHG	-0.0767
Gm10	44390732	44390936	Gmdrm	hypo	CHG	-0.052
Gm10	44407907	44407995	Gmdrm	hypo	CHG	-0.045
Gm10	44422621	44422846	Gmdrm	hypo	CHG	-0.6677
Gm10	44422959	44422988	Gmdrm	hypo	CHG	-0.074
Gm10	44429707	44429921	Gmdrm	hypo	CHG	-0.0464
Gm10	44433660	44433968	Gmdrm	hypo	CHG	-0.17
Gm10	44462614	44462996	Gmdrm	hypo	CHG	-0.2837
Gm10	44470388	44470460	Gmdrm	hypo	CHG	-0.062
Gm10	44471345	44471578	Gmdrm	hypo	CHG	-0.034
Gm10	44479380	44479448	Gmdrm	hypo	CHG	-0.1928
Gm10	44486712	44486823	Gmdrm	hypo	CHG	-0.812
Gm10	44527659	44527758	Gmdrm	hypo	CHG	-0.035
Gm10	44527888	44527946	Gmdrm	hypo	CHG	-0.3583
Gm10	44528995	44529082	Gmdrm	hypo	CHG	-0.3728
Gm10	44531003	44531520	Gmdrm	hypo	CHG	-0.6891
Gm10	44538243	44538341	Gmdrm	hypo	CHG	-0.06
Gm10	44568813	44568922	Gmdrm	hypo	CHG	-0.547
Gm10	44574469	44574614	Gmdrm	hypo	CHG	-0.66
Gm10	44588155	44588312	Gmdrm	hypo	CHG	-0.068
Gm10	44620287	44620552	Gmdrm	hypo	CHG	-0.8332
Gm10	44630523	44630935	Gmdrm	hypo	CHG	-0.0987
Gm10	44638648	44639111	Gmdrm	hypo	CHG	-0.19
Gm10	44641328	44641515	Gmdrm	hypo	CHG	-0.084
Gm10	44669173	44669703	Gmdrm	hypo	CHG	-0.38
Gm10	44675050	44675219	Gmdrm	hypo	CHG	-0.3645
Gm10	44675428	44675690	Gmdrm	hypo	CHG	-0.6854
Gm10	44675802	44676121	Gmdrm	hypo	CHG	-0.6728
Gm10	44698990	44699242	Gmdrm	hypo	CHG	-0.0329
Gm10	44707691	44707803	Gmdrm	hypo	CHG	-0.032
Gm10	44723560	44723896	Gmdrm	hypo	CHG	-0.3941
Gm10	44729468	44729782	Gmdrm	hypo	CHG	-0.0271

Gm10	44732738	44732921 Gmdrm	hypo	CHG	-0.893
Gm10	44749532	44749679 Gmdrm	hypo	CHG	-0.068
Gm10	44758770	44758878 Gmdrm	hypo	CHG	-0.038
Gm10	44770893	44771010 Gmdrm	hypo	CHG	-0.048
Gm10	44781004	44781053 Gmdrm	hypo	CHG	-0.2522
Gm10	44807688	44807862 Gmdrm	hypo	CHG	-0.048
Gm10	44822231	44822865 Gmdrm	hypo	CHG	-0.032
Gm10	44827610	44827901 Gmdrm	hypo	CHG	-0.8137
Gm10	44828478	44828673 Gmdrm	hypo	CHG	-0.035
Gm10	44868379	44868453 Gmdrm	hypo	CHG	-0.034
Gm10	44868708	44868766 Gmdrm	hypo	CHG	-0.6825
Gm10	44868947	44869107 Gmdrm	hypo	CHG	-0.5465
Gm10	44876521	44876642 Gmdrm	hypo	CHG	-0.0467
Gm10	44894314	44894578 Gmdrm	hypo	CHG	-0.03
Gm10	44913766	44913878 Gmdrm	hypo	CHG	-0.042
Gm10	44915705	44915774 Gmdrm	hypo	CHG	-0.4762
Gm10	44916444	44916517 Gmdrm	hypo	CHG	-0.555
Gm10	44935634	44935952 Gmdrm	hypo	CHG	-0.5369
Gm10	44940451	44940537 Gmdrm	hypo	CHG	-0.8367
Gm10	44955671	44955880 Gmdrm	hypo	CHG	-0.2389
Gm10	44958954	44959135 Gmdrm	hypo	CHG	-0.355
Gm10	44959476	44959713 Gmdrm	hypo	CHG	-0.707
Gm10	44961760	44961846 Gmdrm	hypo	CHG	-0.788
Gm10	44964223	44964237 Gmdrm	hypo	CHG	-0.905
Gm10	44968946	44969110 Gmdrm	hypo	CHG	-0.5509
Gm10	44969272	44969552 Gmdrm	hypo	CHG	-0.4
Gm10	45001485	45001842 Gmdrm	hypo	CHG	-0.7851
Gm10	45037819	45037897 Gmdrm	hypo	CHG	-0.4433
Gm10	45063124	45063216 Gmdrm	hypo	CHG	-0.3717
Gm10	45093735	45094535 Gmdrm	hypo	CHG	-0.0967
Gm10	45130731	45130839 Gmdrm	hypo	CHG	-0.62
Gm10	45141360	45141526 Gmdrm	hypo	CHG	-0.044
Gm10	45169090	45169340 Gmdrm	hypo	CHG	-0.8854
Gm10	45179380	45179494 Gmdrm	hypo	CHG	-0.6889
Gm10	45208404	45208563 Gmdrm	hypo	CHG	-0.0428
Gm10	45214476	45214654 Gmdrm	hypo	CHG	-0.5025
Gm10	45217184	45217508 Gmdrm	hypo	CHG	-0.7764
Gm10	45231745	45231938 Gmdrm	hypo	CHG	-0.088
Gm10	45235072	45235226 Gmdrm	hypo	CHG	-0.8357
Gm10	45248220	45248386 Gmdrm	hypo	CHG	-0.3625
Gm10	45248707	45248827 Gmdrm	hypo	CHG	-0.4517
Gm10	45248931	45249308 Gmdrm	hypo	CHG	-0.2088
Gm10	45267996	45268031 Gmdrm	hypo	CHG	-0.6534
Gm10	45293272	45293624 Gmdrm	hypo	CHG	-0.285
Gm10	45293748	45294095 Gmdrm	hypo	CHG	-0.7943
Gm10	45294896	45294970 Gmdrm	hypo	CHG	-0.15

Gm10	45297106	45297381	Gmdrm	hypo	CHG	-0.8638
Gm10	45302107	45302133	Gmdrm	hypo	CHG	-0.548
Gm10	45310842	45311123	Gmdrm	hypo	CHG	-0.0324
Gm10	45311399	45311506	Gmdrm	hypo	CHG	-0.3778
Gm10	45328538	45328695	Gmdrm	hypo	CHG	-0.0583
Gm10	45344799	45344925	Gmdrm	hypo	CHG	-0.0433
Gm10	45353601	45353838	Gmdrm	hypo	CHG	-0.0411
Gm10	45382417	45383160	Gmdrm	hypo	CHG	-0.4515
Gm10	45383317	45383600	Gmdrm	hypo	CHG	-0.3444
Gm10	45383728	45383772	Gmdrm	hypo	CHG	-0.334
Gm10	45401951	45402103	Gmdrm	hypo	CHG	-0.03
Gm10	45446562	45446863	Gmdrm	hypo	CHG	-0.2154
Gm10	45464537	45464684	Gmdrm	hypo	CHG	-0.495
Gm10	45468543	45468586	Gmdrm	hypo	CHG	-0.8233
Gm10	45472879	45473264	Gmdrm	hypo	CHG	-0.1524
Gm10	45494736	45494873	Gmdrm	hypo	CHG	-0.5638
Gm10	45501545	45501687	Gmdrm	hypo	CHG	-0.4129
Gm10	45510915	45511209	Gmdrm	hypo	CHG	-0.02
Gm10	45558334	45558707	Gmdrm	hypo	CHG	-0.0382
Gm10	45588254	45588587	Gmdrm	hypo	CHG	-0.5812
Gm10	45592461	45592575	Gmdrm	hypo	CHG	-0.88
Gm10	45631104	45631479	Gmdrm	hypo	CHG	-0.611
Gm10	45637676	45637779	Gmdrm	hypo	CHG	-0.056
Gm10	45641886	45642157	Gmdrm	hypo	CHG	-0.6636
Gm10	45654973	45654985	Gmdrm	hypo	CHG	-0.058
Gm10	45675248	45675497	Gmdrm	hypo	CHG	-0.0357
Gm10	45706224	45706747	Gmdrm	hypo	CHG	-0.0359
Gm10	45751116	45751276	Gmdrm	hypo	CHG	-0.0614
Gm10	45770838	45770926	Gmdrm	hypo	CHG	-0.0286
Gm10	45791625	45791648	Gmdrm	hypo	CHG	-0.04
Gm10	45798747	45799168	Gmdrm	hypo	CHG	-0.1933
Gm10	45839784	45840349	Gmdrm	hypo	CHG	-0.0676
Gm10	45843606	45843810	Gmdrm	hypo	CHG	-0.549
Gm10	45874177	45874371	Gmdrm	hypo	CHG	-0.1488
Gm10	45877574	45877785	Gmdrm	hypo	CHG	-0.1154
Gm10	45881763	45882057	Gmdrm	hypo	CHG	-0.586
Gm10	45909893	45909978	Gmdrm	hypo	CHG	-0.056
Gm10	45913133	45913188	Gmdrm	hypo	CHG	-0.7114
Gm10	45940170	45940350	Gmdrm	hypo	CHG	-0.0471
Gm10	45941135	45941243	Gmdrm	hypo	CHG	-0.305
Gm10	45941363	45941411	Gmdrm	hypo	CHG	-0.61
Gm10	45941535	45941688	Gmdrm	hypo	CHG	-0.4123
Gm10	45944555	45945236	Gmdrm	hypo	CHG	-0.3708
Gm10	45948146	45948483	Gmdrm	hypo	CHG	-0.075
Gm10	45950346	45950830	Gmdrm	hypo	CHG	-0.2434
Gm10	45951017	45951206	Gmdrm	hypo	CHG	-0.8889

Gm10	45959112	45959322	Gmdrm	hypo	CHG	-0.185
Gm10	45959447	45959607	Gmdrm	hypo	CHG	-0.7218
Gm10	45959711	45959934	Gmdrm	hypo	CHG	-0.6675
Gm10	45963553	45964491	Gmdrm	hypo	CHG	-0.1487
Gm10	45965051	45965099	Gmdrm	hypo	CHG	-0.1538
Gm10	45983205	45983480	Gmdrm	hypo	CHG	-0.41
Gm10	45985134	45985326	Gmdrm	hypo	CHG	-0.0312
Gm10	45995890	45996115	Gmdrm	hypo	CHG	-0.3689
Gm10	46002869	46002929	Gmdrm	hypo	CHG	-0.116
Gm10	46006569	46006682	Gmdrm	hypo	CHG	-0.62
Gm10	46034745	46034892	Gmdrm	hypo	CHG	-0.237
Gm10	46035454	46035632	Gmdrm	hypo	CHG	-0.6611
Gm10	46040124	46040483	Gmdrm	hypo	CHG	-0.33
Gm10	46041005	46041103	Gmdrm	hypo	CHG	-0.2875
Gm10	46053747	46053882	Gmdrm	hypo	CHG	-0.8325
Gm10	46053983	46054142	Gmdrm	hypo	CHG	-0.588
Gm10	46062707	46063008	Gmdrm	hypo	CHG	-0.269
Gm10	46086335	46086473	Gmdrm	hypo	CHG	-0.3867
Gm10	46108373	46108579	Gmdrm	hypo	CHG	-0.0471
Gm10	46124719	46124770	Gmdrm	hypo	CHG	-0.195
Gm10	46125394	46125848	Gmdrm	hypo	CHG	-0.4831
Gm10	46126003	46126737	Gmdrm	hypo	CHG	-0.507
Gm10	46142456	46142631	Gmdrm	hypo	CHG	-0.0634
Gm10	46147583	46147838	Gmdrm	hypo	CHG	-0.0445
Gm10	46155708	46155875	Gmdrm	hypo	CHG	-0.3575
Gm10	46158190	46158428	Gmdrm	hypo	CHG	-0.475
Gm10	46159286	46159373	Gmdrm	hypo	CHG	-0.544
Gm10	46167055	46167121	Gmdrm	hypo	CHG	-0.0617
Gm10	46179411	46179524	Gmdrm	hypo	CHG	-0.05
Gm10	46184049	46184082	Gmdrm	hypo	CHG	-0.9017
Gm10	46202952	46203054	Gmdrm	hypo	CHG	-0.4333
Gm10	46211049	46211210	Gmdrm	hypo	CHG	-0.0517
Gm10	46219708	46219833	Gmdrm	hypo	CHG	-0.0257
Gm10	46224326	46224555	Gmdrm	hypo	CHG	-0.8044
Gm10	46225074	46225329	Gmdrm	hypo	CHG	-0.3146
Gm10	46233031	46233372	Gmdrm	hypo	CHG	-0.6926
Gm10	46233649	46233860	Gmdrm	hypo	CHG	-0.7311
Gm10	46235461	46235574	Gmdrm	hypo	CHG	-0.224
Gm10	46236091	46236446	Gmdrm	hypo	CHG	-0.7716
Gm10	46236554	46236674	Gmdrm	hypo	CHG	-0.6683
Gm10	46238811	46238979	Gmdrm	hypo	CHG	-0.559
Gm10	46242167	46242391	Gmdrm	hypo	CHG	-0.042
Gm10	46253749	46253858	Gmdrm	hypo	CHG	-0.6592
Gm10	46254072	46254222	Gmdrm	hypo	CHG	-0.3882
Gm10	46301945	46302306	Gmdrm	hypo	CHG	-0.043
Gm10	46315478	46315632	Gmdrm	hypo	CHG	-0.0443

Gm10	46321766	46322297	Gmdrm	hypo	CHG	-0.0273
Gm10	46325245	46325399	Gmdrm	hypo	CHG	-0.5714
Gm10	46326479	46327004	Gmdrm	hypo	CHG	-0.4633
Gm10	46337673	46337818	Gmdrm	hypo	CHG	-0.3533
Gm10	46351817	46351961	Gmdrm	hypo	CHG	-0.7172
Gm10	46352436	46352555	Gmdrm	hypo	CHG	-0.67
Gm10	46384756	46384882	Gmdrm	hypo	CHG	-0.046
Gm10	46410568	46410625	Gmdrm	hypo	CHG	-0.9133
Gm10	46425207	46425354	Gmdrm	hypo	CHG	-0.6324
Gm10	46425551	46425721	Gmdrm	hypo	CHG	-0.8029
Gm10	46440382	46440677	Gmdrm	hypo	CHG	-0.0629
Gm10	46448309	46448582	Gmdrm	hypo	CHG	-0.0667
Gm10	46465089	46465301	Gmdrm	hypo	CHG	-0.2683
Gm10	46471117	46471262	Gmdrm	hypo	CHG	-0.1712
Gm10	46482269	46482459	Gmdrm	hypo	CHG	-0.1217
Gm10	46493035	46493097	Gmdrm	hypo	CHG	-0.0833
Gm10	46519083	46519961	Gmdrm	hypo	CHG	-0.5154
Gm10	46520141	46520258	Gmdrm	hypo	CHG	-0.796
Gm10	46520433	46520556	Gmdrm	hypo	CHG	-0.706
Gm10	46521014	46521174	Gmdrm	hypo	CHG	-0.24
Gm10	46521426	46521524	Gmdrm	hypo	CHG	-0.3067
Gm10	46521727	46521974	Gmdrm	hypo	CHG	-0.2147
Gm10	46522546	46522753	Gmdrm	hypo	CHG	-0.7391
Gm10	46528048	46529048	Gmdrm	hypo	CHG	-0.2174
Gm10	46529088	46529499	Gmdrm	hypo	CHG	-0.6876
Gm10	46535195	46535287	Gmdrm	hypo	CHG	-0.038
Gm10	46596298	46596528	Gmdrm	hypo	CHG	-0.895
Gm10	46620048	46620605	Gmdrm	hypo	CHG	-0.6366
Gm10	46633377	46633555	Gmdrm	hypo	CHG	-0.0714
Gm10	46668280	46668609	Gmdrm	hypo	CHG	-0.7792
Gm10	46674552	46675085	Gmdrm	hypo	CHG	-0.0729
Gm10	46698273	46698345	Gmdrm	hypo	CHG	-0.146
Gm10	46704696	46704903	Gmdrm	hypo	CHG	-0.032
Gm10	46707918	46708116	Gmdrm	hypo	CHG	-0.807
Gm10	46708873	46708906	Gmdrm	hypo	CHG	-0.415
Gm10	46746289	46746498	Gmdrm	hypo	CHG	-0.0575
Gm10	46769279	46769442	Gmdrm	hypo	CHG	-0.6809
Gm10	46770069	46770715	Gmdrm	hypo	CHG	-0.0236
Gm10	46776389	46776534	Gmdrm	hypo	CHG	-0.2917
Gm10	46781108	46781251	Gmdrm	hypo	CHG	-0.7583
Gm10	46784696	46784941	Gmdrm	hypo	CHG	-0.035
Gm10	46788419	46788876	Gmdrm	hypo	CHG	-0.0336
Gm10	46809494	46809544	Gmdrm	hypo	CHG	-0.85
Gm10	46820237	46820379	Gmdrm	hypo	CHG	-0.402
Gm10	46845158	46846132	Gmdrm	hypo	CHG	-0.3204
Gm10	46857839	46858025	Gmdrm	hypo	CHG	-0.0486

Gm10	46877698	46877983	Gmdrm	hypo	CHG	-0.346
Gm10	46887231	46887531	Gmdrm	hypo	CHG	-0.0471
Gm10	46939949	46940367	Gmdrm	hypo	CHG	-0.7338
Gm10	46940598	46940875	Gmdrm	hypo	CHG	-0.45
Gm10	46949010	46949135	Gmdrm	hypo	CHG	-0.5189
Gm10	46964994	46965061	Gmdrm	hypo	CHG	-0.4284
Gm10	46986253	46986998	Gmdrm	hypo	CHG	-0.3554
Gm10	46990204	46990288	Gmdrm	hypo	CHG	-0.055
Gm10	46993930	46994121	Gmdrm	hypo	CHG	-0.4708
Gm10	46995697	46995955	Gmdrm	hypo	CHG	-0.6777
Gm10	46996078	46996162	Gmdrm	hypo	CHG	-0.645
Gm10	47001980	47002041	Gmdrm	hypo	CHG	-0.0567
Gm10	47048892	47049025	Gmdrm	hypo	CHG	-0.05
Gm10	47058451	47058515	Gmdrm	hypo	CHG	-0.785
Gm10	47058619	47058814	Gmdrm	hypo	CHG	-0.54
Gm10	47059205	47059812	Gmdrm	hypo	CHG	-0.2227
Gm10	47060345	47060613	Gmdrm	hypo	CHG	-0.3126
Gm10	47067489	47067730	Gmdrm	hypo	CHG	-0.21
Gm10	47073219	47073344	Gmdrm	hypo	CHG	-0.627
Gm10	47093681	47093933	Gmdrm	hypo	CHG	-0.045
Gm10	47099703	47099763	Gmdrm	hypo	CHG	-0.0666
Gm10	47119272	47119397	Gmdrm	hypo	CHG	-0.8133
Gm10	47137601	47137891	Gmdrm	hypo	CHG	-0.6055
Gm10	47167771	47167868	Gmdrm	hypo	CHG	-0.4571
Gm10	47180360	47180535	Gmdrm	hypo	CHG	-0.9083
Gm10	47242216	47242336	Gmdrm	hypo	CHG	-0.4467
Gm10	47256907	47257004	Gmdrm	hypo	CHG	-0.816
Gm10	47259391	47259657	Gmdrm	hypo	CHG	-0.0417
Gm10	47263767	47263860	Gmdrm	hypo	CHG	-0.178
Gm10	47264231	47264655	Gmdrm	hypo	CHG	-0.5453
Gm10	47266072	47266203	Gmdrm	hypo	CHG	-0.295
Gm10	47266500	47266657	Gmdrm	hypo	CHG	-0.4983
Gm10	47266892	47266938	Gmdrm	hypo	CHG	-0.578
Gm10	47267062	47267136	Gmdrm	hypo	CHG	-0.574
Gm10	47289572	47289725	Gmdrm	hypo	CHG	-0.046
Gm10	47298706	47298784	Gmdrm	hypo	CHG	-0.04
Gm10	47299109	47299307	Gmdrm	hypo	CHG	-0.05
Gm10	47346110	47346403	Gmdrm	hypo	CHG	-0.65
Gm10	47348478	47348552	Gmdrm	hypo	CHG	-0.606
Gm10	47349095	47349210	Gmdrm	hypo	CHG	-0.038
Gm10	47386404	47386620	Gmdrm	hypo	CHG	-0.4526
Gm10	47394286	47394474	Gmdrm	hypo	CHG	-0.025
Gm10	47425071	47425911	Gmdrm	hypo	CHG	-0.4548
Gm10	47457005	47457480	Gmdrm	hypo	CHG	-0.0586
Gm10	47471189	47471348	Gmdrm	hypo	CHG	-0.0413
Gm10	47480253	47480741	Gmdrm	hypo	CHG	-0.5875

Gm10	47480999	47481558	Gmdrm	hypo	CHG	-0.4971
Gm10	47484130	47484248	Gmdrm	hypo	CHG	-0.776
Gm10	47484818	47484921	Gmdrm	hypo	CHG	-0.198
Gm10	47485257	47485543	Gmdrm	hypo	CHG	-0.7391
Gm10	47486971	47487011	Gmdrm	hypo	CHG	-0.0671
Gm10	47499570	47499695	Gmdrm	hypo	CHG	-0.0566
Gm10	47517674	47518176	Gmdrm	hypo	CHG	-0.28
Gm10	47525505	47525948	Gmdrm	hypo	CHG	-0.7365
Gm10	47526150	47526269	Gmdrm	hypo	CHG	-0.4437
Gm10	47536131	47536165	Gmdrm	hypo	CHG	-0.7016
Gm10	47536698	47536776	Gmdrm	hypo	CHG	-0.5484
Gm10	47566778	47567751	Gmdrm	hypo	CHG	-0.1294
Gm10	47567789	47567910	Gmdrm	hypo	CHG	-0.3482
Gm10	47588536	47588856	Gmdrm	hypo	CHG	-0.0245
Gm10	47603898	47604012	Gmdrm	hypo	CHG	-0.592
Gm10	47616469	47616579	Gmdrm	hypo	CHG	-0.4643
Gm10	47641696	47641783	Gmdrm	hypo	CHG	-0.5
Gm10	47641924	47641960	Gmdrm	hypo	CHG	-0.7171
Gm10	47644845	47644910	Gmdrm	hypo	CHG	-0.735
Gm10	47649066	47649291	Gmdrm	hypo	CHG	-0.6761
Gm10	47649647	47649671	Gmdrm	hypo	CHG	-0.658
Gm10	47659978	47660048	Gmdrm	hypo	CHG	-0.04
Gm10	47660183	47660277	Gmdrm	hypo	CHG	-0.8038
Gm10	47715738	47716006	Gmdrm	hypo	CHG	-0.037
Gm10	47727943	47728072	Gmdrm	hypo	CHG	-0.034
Gm10	47773619	47774037	Gmdrm	hypo	CHG	-0.4314
Gm10	47774314	47774766	Gmdrm	hypo	CHG	-0.7431
Gm10	47780016	47780167	Gmdrm	hypo	CHG	-0.6487
Gm10	47780452	47780685	Gmdrm	hypo	CHG	-0.5089
Gm10	47787439	47787576	Gmdrm	hypo	CHG	-0.8267
Gm10	47793366	47793500	Gmdrm	hypo	CHG	-0.056
Gm10	47810270	47810339	Gmdrm	hypo	CHG	-0.885
Gm10	47811154	47811334	Gmdrm	hypo	CHG	-0.035
Gm10	47838609	47838919	Gmdrm	hypo	CHG	-0.7354
Gm10	47839264	47839563	Gmdrm	hypo	CHG	-0.809
Gm10	47858161	47858373	Gmdrm	hypo	CHG	-0.418
Gm10	47873998	47874145	Gmdrm	hypo	CHG	-0.3266
Gm10	47874281	47874467	Gmdrm	hypo	CHG	-0.0562
Gm10	47897784	47898023	Gmdrm	hypo	CHG	-0.537
Gm10	47898124	47898237	Gmdrm	hypo	CHG	-0.2992
Gm10	47898367	47898543	Gmdrm	hypo	CHG	-0.6558
Gm10	47911732	47911865	Gmdrm	hypo	CHG	-0.068
Gm10	47921332	47921388	Gmdrm	hypo	CHG	-0.1938
Gm10	47922891	47923041	Gmdrm	hypo	CHG	-0.7646
Gm10	47928621	47929004	Gmdrm	hypo	CHG	-0.2885
Gm10	47929121	47929339	Gmdrm	hypo	CHG	-0.2838

Gm10	47930298	47930771	Gmdrm	hypo	CHG	-0.0375
Gm10	47936844	47936914	Gmdrm	hypo	CHG	-0.052
Gm10	47945833	47945951	Gmdrm	hypo	CHG	-0.65
Gm10	47961206	47961235	Gmdrm	hypo	CHG	-0.9475
Gm10	47980471	47980664	Gmdrm	hypo	CHG	-0.045
Gm10	47983371	47983954	Gmdrm	hypo	CHG	-0.032
Gm10	47986495	47986659	Gmdrm	hypo	CHG	-0.8271
Gm10	47994053	47994410	Gmdrm	hypo	CHG	-0.8112
Gm10	48006692	48006963	Gmdrm	hypo	CHG	-0.3375
Gm10	48010469	48010569	Gmdrm	hypo	CHG	-0.0533
Gm10	48023475	48023670	Gmdrm	hypo	CHG	-0.0378
Gm10	48053352	48053489	Gmdrm	hypo	CHG	-0.0356
Gm10	48098211	48098333	Gmdrm	hypo	CHG	-0.05
Gm10	48098476	48098844	Gmdrm	hypo	CHG	-0.8593
Gm10	48105110	48105472	Gmdrm	hypo	CHG	-0.2866
Gm10	48111727	48112035	Gmdrm	hypo	CHG	-0.8566
Gm10	48112145	48112339	Gmdrm	hypo	CHG	-0.755
Gm10	48112518	48112580	Gmdrm	hypo	CHG	-0.7783
Gm10	48117623	48117735	Gmdrm	hypo	CHG	-0.1567
Gm10	48117946	48118095	Gmdrm	hypo	CHG	-0.6933
Gm10	48118272	48118384	Gmdrm	hypo	CHG	-0.7333
Gm10	48129488	48129628	Gmdrm	hypo	CHG	-0.064
Gm10	48136094	48136320	Gmdrm	hypo	CHG	-0.06
Gm10	48142450	48142779	Gmdrm	hypo	CHG	-0.4391
Gm10	48174929	48175046	Gmdrm	hypo	CHG	-0.3566
Gm10	48193425	48193619	Gmdrm	hypo	CHG	-0.0454
Gm10	48212099	48212287	Gmdrm	hypo	CHG	-0.361
Gm10	48220134	48220300	Gmdrm	hypo	CHG	-0.04
Gm10	48274101	48274377	Gmdrm	hypo	CHG	-0.4625
Gm10	48276828	48277486	Gmdrm	hypo	CHG	-0.03
Gm10	48320898	48321092	Gmdrm	hypo	CHG	-0.4125
Gm10	48357094	48357362	Gmdrm	hypo	CHG	-0.3279
Gm10	48408037	48408259	Gmdrm	hypo	CHG	-0.0456
Gm10	48411829	48412121	Gmdrm	hypo	CHG	-0.5237
Gm10	48422485	48422829	Gmdrm	hypo	CHG	-0.0383
Gm10	48425650	48425962	Gmdrm	hypo	CHG	-0.7588
Gm10	48432726	48432841	Gmdrm	hypo	CHG	-0.714
Gm10	48467776	48468007	Gmdrm	hypo	CHG	-0.4935
Gm10	48482244	48482410	Gmdrm	hypo	CHG	-0.0587
Gm10	48503036	48503194	Gmdrm	hypo	CHG	-0.661
Gm10	48528539	48528627	Gmdrm	hypo	CHG	-0.764
Gm10	48552688	48552771	Gmdrm	hypo	CHG	-0.0586
Gm10	48552897	48553038	Gmdrm	hypo	CHG	-0.0557
Gm10	48561086	48561229	Gmdrm	hypo	CHG	-0.0424
Gm10	48562295	48562529	Gmdrm	hypo	CHG	-0.0558
Gm10	48564576	48565109	Gmdrm	hypo	CHG	-0.0307

Gm10	48572423	48572561 Gmdrm	hypo	CHG	-0.05
Gm10	48572963	48573094 Gmdrm	hypo	CHG	-0.055
Gm10	48591428	48591580 Gmdrm	hypo	CHG	-0.7614
Gm10	48601292	48601537 Gmdrm	hypo	CHG	-0.7
Gm10	48601700	48601893 Gmdrm	hypo	CHG	-0.7564
Gm10	48621164	48621421 Gmdrm	hypo	CHG	-0.6825
Gm10	48621601	48621998 Gmdrm	hypo	CHG	-0.7963
Gm10	48655631	48655764 Gmdrm	hypo	CHG	-0.8975
Gm10	48655885	48656089 Gmdrm	hypo	CHG	-0.6543
Gm10	48666513	48666687 Gmdrm	hypo	CHG	-0.068
Gm10	48682247	48682375 Gmdrm	hypo	CHG	-0.078
Gm10	48704386	48704515 Gmdrm	hypo	CHG	-0.9377
Gm10	48704783	48704950 Gmdrm	hypo	CHG	-0.0364
Gm10	48718303	48718604 Gmdrm	hypo	CHG	-0.3357
Gm10	48721231	48721458 Gmdrm	hypo	CHG	-0.09
Gm10	48740491	48740832 Gmdrm	hypo	CHG	-0.0856
Gm10	48744166	48744293 Gmdrm	hypo	CHG	-0.5732
Gm10	48744542	48744712 Gmdrm	hypo	CHG	-0.5658
Gm10	48771394	48771614 Gmdrm	hypo	CHG	-0.4139
Gm10	48782986	48783112 Gmdrm	hypo	CHG	-0.302
Gm10	48783405	48783469 Gmdrm	hypo	CHG	-0.6216
Gm10	48783679	48783821 Gmdrm	hypo	CHG	-0.4859
Gm10	48804556	48804875 Gmdrm	hypo	CHG	-0.0567
Gm10	48820954	48821122 Gmdrm	hypo	CHG	-0.4717
Gm10	48831819	48831927 Gmdrm	hypo	CHG	-0.359
Gm10	48844324	48844518 Gmdrm	hypo	CHG	-0.9345
Gm10	48847361	48847465 Gmdrm	hypo	CHG	-0.034
Gm10	48886441	48886843 Gmdrm	hypo	CHG	-0.9131
Gm10	48913609	48913898 Gmdrm	hypo	CHG	-0.2234
Gm10	48915439	48915698 Gmdrm	hypo	CHG	-0.7258
Gm10	48915815	48916070 Gmdrm	hypo	CHG	-0.5242
Gm10	48922284	48922520 Gmdrm	hypo	CHG	-0.0571
Gm10	48922663	48923097 Gmdrm	hypo	CHG	-0.8425
Gm10	48927351	48927392 Gmdrm	hypo	CHG	-0.095
Gm10	48959270	48959619 Gmdrm	hypo	CHG	-0.1838
Gm10	49004562	49004821 Gmdrm	hypo	CHG	-0.0286
Gm10	49032479	49032815 Gmdrm	hypo	CHG	-0.676
Gm10	49048520	49048705 Gmdrm	hypo	CHG	-0.0338
Gm10	49054655	49054806 Gmdrm	hypo	CHG	-0.0633
Gm10	49058413	49058651 Gmdrm	hypo	CHG	-0.3312
Gm10	49064540	49064976 Gmdrm	hypo	CHG	-0.3329
Gm10	49072800	49072870 Gmdrm	hypo	CHG	-0.05
Gm10	49074834	49075277 Gmdrm	hypo	CHG	-0.2417
Gm10	49098931	49099197 Gmdrm	hypo	CHG	-0.8413
Gm10	49106288	49106340 Gmdrm	hypo	CHG	-0.076
Gm10	49131617	49132340 Gmdrm	hypo	CHG	-0.263

Gm10	49155887	49156301	Gmdrm	hypo	CHG	-0.0325
Gm10	49176618	49176868	Gmdrm	hypo	CHG	-0.6392
Gm10	49181803	49182158	Gmdrm	hypo	CHG	-0.7862
Gm10	49183219	49183359	Gmdrm	hypo	CHG	-0.0586
Gm10	49202106	49202258	Gmdrm	hypo	CHG	-0.0429
Gm10	49204317	49204553	Gmdrm	hypo	CHG	-0.052
Gm10	49252882	49253237	Gmdrm	hypo	CHG	-0.0407
Gm10	49258205	49258492	Gmdrm	hypo	CHG	-0.3306
Gm10	49280928	49281153	Gmdrm	hypo	CHG	-0.0364
Gm10	49293218	49293368	Gmdrm	hypo	CHG	-0.0367
Gm10	49303923	49304177	Gmdrm	hypo	CHG	-0.0472
Gm10	49315569	49315771	Gmdrm	hypo	CHG	-0.026
Gm10	49340306	49340421	Gmdrm	hypo	CHG	-0.42
Gm10	49343038	49343178	Gmdrm	hypo	CHG	-0.05
Gm10	49354942	49355183	Gmdrm	hypo	CHG	-0.0378
Gm10	49363611	49364312	Gmdrm	hypo	CHG	-0.101
Gm10	49376506	49376846	Gmdrm	hypo	CHG	-0.0646
Gm10	49408794	49409081	Gmdrm	hypo	CHG	-0.854
Gm10	49414451	49414703	Gmdrm	hypo	CHG	-0.7564
Gm10	49428373	49428672	Gmdrm	hypo	CHG	-0.3536
Gm10	49429299	49429532	Gmdrm	hypo	CHG	-0.3443
Gm10	49447193	49447315	Gmdrm	hypo	CHG	-0.4537
Gm10	49451952	49452247	Gmdrm	hypo	CHG	-0.3683
Gm10	49452509	49452733	Gmdrm	hypo	CHG	-0.5048
Gm10	49475621	49475855	Gmdrm	hypo	CHG	-0.6083
Gm10	49494797	49495130	Gmdrm	hypo	CHG	-0.0717
Gm10	49513277	49513419	Gmdrm	hypo	CHG	-0.5257
Gm10	49513528	49513680	Gmdrm	hypo	CHG	-0.5973
Gm10	49514185	49514372	Gmdrm	hypo	CHG	-0.8174
Gm10	49516281	49516388	Gmdrm	hypo	CHG	-0.042
Gm10	49518292	49518456	Gmdrm	hypo	CHG	-0.2919
Gm10	49528187	49528414	Gmdrm	hypo	CHG	-0.038
Gm10	49541482	49541546	Gmdrm	hypo	CHG	-0.4583
Gm10	49561325	49561383	Gmdrm	hypo	CHG	-0.6666
Gm10	49561781	49561883	Gmdrm	hypo	CHG	-0.618
Gm10	49633187	49633312	Gmdrm	hypo	CHG	-0.176
Gm10	49651536	49651617	Gmdrm	hypo	CHG	-0.5783
Gm10	49659003	49659113	Gmdrm	hypo	CHG	-0.546
Gm10	49668710	49669070	Gmdrm	hypo	CHG	-0.3341
Gm10	49672871	49673290	Gmdrm	hypo	CHG	-0.3242
Gm10	49674900	49675201	Gmdrm	hypo	CHG	-0.5646
Gm10	49675357	49675555	Gmdrm	hypo	CHG	-0.2287
Gm10	49686546	49686662	Gmdrm	hypo	CHG	-0.6415
Gm10	49700516	49700744	Gmdrm	hypo	CHG	-0.0357
Gm10	49715142	49715182	Gmdrm	hypo	CHG	-0.4275
Gm10	49725305	49725399	Gmdrm	hypo	CHG	-0.048

Gm10	49769120	49769221	Gmdrm	hypo	CHG	-0.2778
Gm10	49769518	49769690	Gmdrm	hypo	CHG	-0.2908
Gm10	49790728	49791042	Gmdrm	hypo	CHG	-0.0861
Gm10	49791816	49791945	Gmdrm	hypo	CHG	-0.5988
Gm10	49792121	49792158	Gmdrm	hypo	CHG	-0.6383
Gm10	49797632	49798114	Gmdrm	hypo	CHG	-0.7089
Gm10	49798273	49798502	Gmdrm	hypo	CHG	-0.5923
Gm10	49810150	49810264	Gmdrm	hypo	CHG	-0.927
Gm10	49819317	49819558	Gmdrm	hypo	CHG	-0.5543
Gm10	49820726	49820846	Gmdrm	hypo	CHG	-0.195
Gm10	49822126	49822311	Gmdrm	hypo	CHG	-0.4628
Gm10	49874379	49874476	Gmdrm	hypo	CHG	-0.1073
Gm10	49875225	49875590	Gmdrm	hypo	CHG	-0.0383
Gm10	49881012	49881135	Gmdrm	hypo	CHG	-0.2857
Gm10	49895717	49895789	Gmdrm	hypo	CHG	-0.044
Gm10	49896570	49896818	Gmdrm	hypo	CHG	-0.032
Gm10	49901409	49901675	Gmdrm	hypo	CHG	-0.0416
Gm10	49928180	49928379	Gmdrm	hypo	CHG	-0.0357
Gm10	49999316	49999495	Gmdrm	hypo	CHG	-0.06
Gm10	50007902	50008076	Gmdrm	hypo	CHG	-0.0567
Gm10	50011234	50011332	Gmdrm	hypo	CHG	-0.2788
Gm10	50130373	50130498	Gmdrm	hypo	CHG	-0.546
Gm10	50130633	50130691	Gmdrm	hypo	CHG	-0.2267
Gm10	50163754	50163971	Gmdrm	hypo	CHG	-0.601
Gm10	50164185	50164419	Gmdrm	hypo	CHG	-0.4347
Gm10	50164632	50164679	Gmdrm	hypo	CHG	-0.56
Gm10	50165394	50165605	Gmdrm	hypo	CHG	-0.3817
Gm10	50165759	50165855	Gmdrm	hypo	CHG	-0.455
Gm10	50168048	50168144	Gmdrm	hypo	CHG	-0.614
Gm10	50203615	50203837	Gmdrm	hypo	CHG	-0.114
Gm10	50221863	50221951	Gmdrm	hypo	CHG	-0.762
Gm10	50222095	50222123	Gmdrm	hypo	CHG	-0.88
Gm10	50231852	50231992	Gmdrm	hypo	CHG	-0.3371
Gm10	50232424	50232538	Gmdrm	hypo	CHG	-0.6089
Gm10	50233418	50233593	Gmdrm	hypo	CHG	-0.41
Gm10	50234226	50234326	Gmdrm	hypo	CHG	-0.7783
Gm10	50235130	50235312	Gmdrm	hypo	CHG	-0.086
Gm10	50239230	50239482	Gmdrm	hypo	CHG	-0.04
Gm10	50247113	50247403	Gmdrm	hypo	CHG	-0.054
Gm10	50252793	50253054	Gmdrm	hypo	CHG	-0.813
Gm10	50254866	50255402	Gmdrm	hypo	CHG	-0.0285
Gm10	50264080	50264215	Gmdrm	hypo	CHG	-0.05
Gm10	50284295	50284381	Gmdrm	hypo	CHG	-0.46
Gm10	50284772	50284932	Gmdrm	hypo	CHG	-0.74
Gm10	50285104	50285469	Gmdrm	hypo	CHG	-0.42
Gm10	50301096	50301424	Gmdrm	hypo	CHG	-0.0262

Gm10	50325202	50325440 Gmdrm	hypo	CHG	-0.516
Gm10	50364718	50364797 Gmdrm	hypo	CHG	-0.656
Gm10	50380697	50380828 Gmdrm	hypo	CHG	-0.751
Gm10	50388648	50388849 Gmdrm	hypo	CHG	-0.6478
Gm10	50407569	50407715 Gmdrm	hypo	CHG	-0.06
Gm10	50454955	50455925 Gmdrm	hypo	CHG	-0.1233
Gm10	50461494	50461820 Gmdrm	hypo	CHG	-0.0401
Gm10	50476882	50477039 Gmdrm	hypo	CHG	-0.03
Gm10	50491232	50491463 Gmdrm	hypo	CHG	-0.56
Gm10	50504132	50504195 Gmdrm	hypo	CHG	-0.1216
Gm10	50511711	50511890 Gmdrm	hypo	CHG	-0.7787
Gm10	50517189	50517309 Gmdrm	hypo	CHG	-0.0517
Gm10	50543896	50544296 Gmdrm	hypo	CHG	-0.5617
Gm10	50550303	50550900 Gmdrm	hypo	CHG	-0.0326
Gm10	50552909	50553097 Gmdrm	hypo	CHG	-0.0325
Gm10	50553395	50553758 Gmdrm	hypo	CHG	-0.0345
Gm10	50560065	50560155 Gmdrm	hypo	CHG	-0.721
Gm10	50560568	50560862 Gmdrm	hypo	CHG	-0.5668
Gm10	50583882	50584055 Gmdrm	hypo	CHG	-0.7059
Gm10	50584591	50584727 Gmdrm	hypo	CHG	-0.5533
Gm10	50585333	50585438 Gmdrm	hypo	CHG	-0.615
Gm10	50599079	50599357 Gmdrm	hypo	CHG	-0.05
Gm10	50621771	50621889 Gmdrm	hypo	CHG	-0.856
Gm10	50622200	50622283 Gmdrm	hypo	CHG	-0.8766
Gm10	50624320	50624349 Gmdrm	hypo	CHG	-0.612
Gm10	50638524	50638611 Gmdrm	hypo	CHG	-0.0257
Gm10	50641728	50641895 Gmdrm	hypo	CHG	-0.046
Gm10	50645397	50645679 Gmdrm	hypo	CHG	-0.0725
Gm10	50652136	50652550 Gmdrm	hypo	CHG	-0.3725
Gm10	50657482	50657587 Gmdrm	hypo	CHG	-0.3455
Gm10	50676297	50676401 Gmdrm	hypo	CHG	-0.4044
Gm10	50682013	50682205 Gmdrm	hypo	CHG	-0.852
Gm10	50685891	50685949 Gmdrm	hypo	CHG	-0.0883
Gm10	50734795	50734929 Gmdrm	hypo	CHG	-0.805
Gm10	50735071	50735990 Gmdrm	hypo	CHG	-0.1206
Gm10	50736512	50736617 Gmdrm	hypo	CHG	-0.5115
Gm10	50757133	50757425 Gmdrm	hypo	CHG	-0.45
Gm10	50765164	50765297 Gmdrm	hypo	CHG	-0.7186
Gm10	50765506	50765565 Gmdrm	hypo	CHG	-0.8833
Gm10	50779897	50780217 Gmdrm	hypo	CHG	-0.049
Gm10	50792663	50792719 Gmdrm	hypo	CHG	-0.7417
Gm10	50792919	50793076 Gmdrm	hypo	CHG	-0.6514
Gm10	50793335	50793489 Gmdrm	hypo	CHG	-0.42
Gm10	50811127	50811237 Gmdrm	hypo	CHG	-0.3562
Gm10	50820373	50820545 Gmdrm	hypo	CHG	-0.052
Gm10	50846413	50846485 Gmdrm	hypo	CHG	-0.03

Gm10	50865332	50865508	Gmdrm	hypo	CHG	-0.125
Gm10	50868107	50868270	Gmdrm	hypo	CHG	-0.5225
Gm10	50874724	50874859	Gmdrm	hypo	CHG	-0.0583
Gm10	50880201	50880338	Gmdrm	hypo	CHG	-0.0411
Gm10	50900267	50900452	Gmdrm	hypo	CHG	-0.0573
Gm10	50904642	50905289	Gmdrm	hypo	CHG	-0.0312
Gm10	50912398	50912772	Gmdrm	hypo	CHG	-0.0546
Gm10	50925703	50925806	Gmdrm	hypo	CHG	-0.8158
Gm10	50926070	50926293	Gmdrm	hypo	CHG	-0.522
Gm10	50929157	50929332	Gmdrm	hypo	CHG	-0.054
Gm10	50931378	50931822	Gmdrm	hypo	CHG	-0.0788
Gm10	50935696	50935911	Gmdrm	hypo	CHG	-0.4377
Gm10	50936473	50936598	Gmdrm	hypo	CHG	-0.49
Gm10	50953195	50953396	Gmdrm	hypo	CHG	-0.0383
Gm10	50967123	50968115	Gmdrm	hypo	CHG	-0.2072
Gm10	50981239	50981435	Gmdrm	hypo	CHG	-0.6138
Gm10	50989374	50989504	Gmdrm	hypo	CHG	-0.7322
Gm10	50989651	50989772	Gmdrm	hypo	CHG	-0.205
Gm10	50999166	50999216	Gmdrm	hypo	CHG	-0.15
Gm10	51012783	51012930	Gmdrm	hypo	CHG	-0.334
Gm10	51019046	51019243	Gmdrm	hypo	CHG	-0.183
Gm10	51021042	51021351	Gmdrm	hypo	CHG	-0.3636
Gm10	51027721	51028172	Gmdrm	hypo	CHG	-0.5114
Gm10	51033390	51033430	Gmdrm	hypo	CHG	-0.024
Gm10	51033837	51034138	Gmdrm	hypo	CHG	-0.8639
Gm10	51040214	51040357	Gmdrm	hypo	CHG	-0.8518
Gm10	51041632	51041721	Gmdrm	hypo	CHG	-0.7314
Gm10	51041832	51041966	Gmdrm	hypo	CHG	-0.4982
Gm10	51070057	51070221	Gmdrm	hypo	CHG	-0.0889
Gm10	51115003	51115147	Gmdrm	hypo	CHG	-0.045
Gm10	51147968	51148076	Gmdrm	hypo	CHG	-0.6463
Gm10	51171475	51171709	Gmdrm	hypo	CHG	-0.0357
Gm10	51183129	51183584	Gmdrm	hypo	CHG	-0.4472
Gm10	51202051	51202181	Gmdrm	hypo	CHG	-0.5583
Gm10	51202418	51202497	Gmdrm	hypo	CHG	-0.7688
Gm10	51219555	51219583	Gmdrm	hypo	CHG	-0.784
Gm10	51219833	51219965	Gmdrm	hypo	CHG	-0.8567
Gm10	51220658	51220710	Gmdrm	hypo	CHG	-0.856
Gm10	51225448	51225741	Gmdrm	hypo	CHG	-0.0533
Gm10	51229229	51229292	Gmdrm	hypo	CHG	-0.616
Gm10	51237051	51237315	Gmdrm	hypo	CHG	-0.04
Gm10	51279398	51279481	Gmdrm	hypo	CHG	-0.0489
Gm10	51303704	51304193	Gmdrm	hypo	CHG	-0.3618
Gm10	51304320	51304493	Gmdrm	hypo	CHG	-0.337
Gm10	51317192	51317424	Gmdrm	hypo	CHG	-0.06
Gm10	51322922	51323390	Gmdrm	hypo	CHG	-0.6913

Gm10	51357312	51357476	Gmdrm	hypo	CHG	-0.045
Gm10	51377073	51377553	Gmdrm	hypo	CHG	-0.7582
Gm10	51391102	51391705	Gmdrm	hypo	CHG	-0.0365
Gm10	51404411	51404543	Gmdrm	hypo	CHG	-0.0386
Gm10	51408693	51408830	Gmdrm	hypo	CHG	-0.4871
Gm10	51408986	51409211	Gmdrm	hypo	CHG	-0.0456
Gm10	51410031	51410225	Gmdrm	hypo	CHG	-0.3167
Gm10	51423229	51423379	Gmdrm	hypo	CHG	-0.111
Gm10	51458273	51458394	Gmdrm	hypo	CHG	-0.8115
Gm10	51464578	51464949	Gmdrm	hypo	CHG	-0.7808
Gm10	51470473	51470848	Gmdrm	hypo	CHG	-0.2034
Gm10	51476526	51476738	Gmdrm	hypo	CHG	-0.5916
Gm10	51485469	51485621	Gmdrm	hypo	CHG	-0.0757
Gm10	51501999	51502026	Gmdrm	hypo	CHG	-0.19
Gm10	51503968	51504126	Gmdrm	hypo	CHG	-0.7967
Gm10	51506293	51506609	Gmdrm	hypo	CHG	-0.031
Gm10	51512028	51512216	Gmdrm	hypo	CHG	-0.071
Gm10	51518248	51518321	Gmdrm	hypo	CHG	-0.66
Gm10	51518631	51518762	Gmdrm	hypo	CHG	-0.3345
Gm10	51518902	51519374	Gmdrm	hypo	CHG	-0.3777
Gm10	51519487	51519607	Gmdrm	hypo	CHG	-0.4917
Gm10	51519966	51520093	Gmdrm	hypo	CHG	-0.3209
Gm10	51521662	51522071	Gmdrm	hypo	CHG	-0.1662
Gm10	51528571	51528665	Gmdrm	hypo	CHG	-0.0367
Gm10	51530033	51530128	Gmdrm	hypo	CHG	-0.0478
Gm10	51532688	51533532	Gmdrm	hypo	CHG	-0.228
Gm10	51533641	51534629	Gmdrm	hypo	CHG	-0.1693
Gm10	51576661	51576809	Gmdrm	hypo	CHG	-0.7963
Gm10	51587353	51587449	Gmdrm	hypo	CHG	-0.78
Gm10	51587571	51587602	Gmdrm	hypo	CHG	-0.86
Gm10	51593182	51593367	Gmdrm	hypo	CHG	-0.3133
Gm10	51607430	51608273	Gmdrm	hypo	CHG	-0.1612
Gm10_scaffo	847	962	Gmdrm	hypo	CHG	-0.66
Gm10_scaffo	1066	1285	Gmdrm	hypo	CHG	-0.084
Gm10_scaffo	11700	11817	Gmdrm	hypo	CHG	-0.4283
Gm10_scaffo	54839	54941	Gmdrm	hypo	CHG	-0.496
Gm10_scaffo	67992	68067	Gmdrm	hypo	CHG	-0.64
Gm10_scaffo	68206	68290	Gmdrm	hypo	CHG	-0.8124
Gm10_scaffo	68777	68891	Gmdrm	hypo	CHG	-0.7375
Gm10_scaffo	16333	16770	Gmdrm	hypo	CHG	-0.1413
Gm10_scaffo	18119	18223	Gmdrm	hypo	CHG	-0.446
Gm10_scaffo	36989	37130	Gmdrm	hypo	CHG	-0.6316
Gm10_scaffo	44486	44616	Gmdrm	hypo	CHG	-0.5017
Gm10_scaffo	46492	46615	Gmdrm	hypo	CHG	-0.038
Gm10_scaffo	46952	47117	Gmdrm	hypo	CHG	-0.2867
Gm10_scaffo	7025	7279	Gmdrm	hypo	CHG	-0.2275

Gm10_scaffo	21241	21479 Gmdrm	hypo	CHG	-0.442
Gm10_scaffo	21628	21968 Gmdrm	hypo	CHG	-0.4109
Gm10_scaffo	22077	22250 Gmdrm	hypo	CHG	-0.3227
Gm10_scaffo	22720	23142 Gmdrm	hypo	CHG	-0.1529
Gm10_scaffo	24130	24377 Gmdrm	hypo	CHG	-0.275
Gm10_scaffo	27165	27539 Gmdrm	hypo	CHG	-0.2037
Gm10_scaffo	30290	30495 Gmdrm	hypo	CHG	-0.2338
Gm10_scaffo	30621	31313 Gmdrm	hypo	CHG	-0.3203
Gm10_scaffo	35893	36073 Gmdrm	hypo	CHG	-0.2343
Gm10_scaffo	40423	40547 Gmdrm	hypo	CHG	-0.3817
Gm10_scaffo	40663	40805 Gmdrm	hypo	CHG	-0.451
Gm10_scaffo	43903	43987 Gmdrm	hypo	CHG	-0.505
Gm10_scaffo	44137	44272 Gmdrm	hypo	CHG	-0.3729
Gm10_scaffo	44375	44477 Gmdrm	hypo	CHG	-0.247
Gm10_scaffo	44586	44707 Gmdrm	hypo	CHG	-0.276
Gm10_scaffo	48715	48910 Gmdrm	hypo	CHG	-0.0736
Gm10_scaffo	51942	52161 Gmdrm	hypo	CHG	-0.24
Gm10_scaffo	52318	52923 Gmdrm	hypo	CHG	-0.4508
Gm10_scaffo	53034	53980 Gmdrm	hypo	CHG	-0.6678
Gm10_scaffo	54040	54945 Gmdrm	hypo	CHG	-0.7591
Gm10_scaffo	55052	55286 Gmdrm	hypo	CHG	-0.795
Gm10_scaffo	55393	56202 Gmdrm	hypo	CHG	-0.7423
Gm10_scaffo	56584	57414 Gmdrm	hypo	CHG	-0.5985
Gm10_scaffo	61445	62441 Gmdrm	hypo	CHG	-0.1612
Gm11	769	1052 Gmdrm	hypo	CHG	-0.1333
Gm11	1177	1418 Gmdrm	hypo	CHG	-0.3887
Gm11	1883	2173 Gmdrm	hypo	CHG	-0.1633
Gm11	2329	3289 Gmdrm	hypo	CHG	-0.1978
Gm11	11906	12115 Gmdrm	hypo	CHG	-0.226
Gm11	14239	14281 Gmdrm	hypo	CHG	-0.6767
Gm11	14706	14881 Gmdrm	hypo	CHG	-0.145
Gm11	17337	17393 Gmdrm	hypo	CHG	-0.0513
Gm11	18567	18940 Gmdrm	hypo	CHG	-0.034
Gm11	37420	37601 Gmdrm	hypo	CHG	-0.323
Gm11	86683	86858 Gmdrm	hypo	CHG	-0.7613
Gm11	86993	87050 Gmdrm	hypo	CHG	-0.8171
Gm11	101690	101799 Gmdrm	hypo	CHG	-0.5645
Gm11	110776	111003 Gmdrm	hypo	CHG	-0.05
Gm11	124629	124951 Gmdrm	hypo	CHG	-0.034
Gm11	126491	126594 Gmdrm	hypo	CHG	-0.435
Gm11	132642	132843 Gmdrm	hypo	CHG	-0.4211
Gm11	160959	161432 Gmdrm	hypo	CHG	-0.1468
Gm11	177840	177917 Gmdrm	hypo	CHG	-0.17
Gm11	210850	211053 Gmdrm	hypo	CHG	-0.2992
Gm11	213174	213330 Gmdrm	hypo	CHG	-0.2346
Gm11	224969	225271 Gmdrm	hypo	CHG	-0.1445

Gm11	244777	245253	Gmdrm	hypo	CHG	-0.2171
Gm11	281796	281937	Gmdrm	hypo	CHG	-0.1733
Gm11	336645	336833	Gmdrm	hypo	CHG	-0.1873
Gm11	337975	338239	Gmdrm	hypo	CHG	-0.0467
Gm11	364810	365164	Gmdrm	hypo	CHG	-0.3645
Gm11	371581	371942	Gmdrm	hypo	CHG	-0.0343
Gm11	383540	383793	Gmdrm	hypo	CHG	-0.3664
Gm11	398683	399023	Gmdrm	hypo	CHG	-0.05
Gm11	410669	410967	Gmdrm	hypo	CHG	-0.0333
Gm11	412038	412186	Gmdrm	hypo	CHG	-0.0475
Gm11	464743	464851	Gmdrm	hypo	CHG	-0.038
Gm11	475279	475688	Gmdrm	hypo	CHG	-0.2769
Gm11	496322	496473	Gmdrm	hypo	CHG	-0.781
Gm11	496608	497259	Gmdrm	hypo	CHG	-0.52
Gm11	582126	582623	Gmdrm	hypo	CHG	-0.6564
Gm11	582771	582854	Gmdrm	hypo	CHG	-0.866
Gm11	582967	583242	Gmdrm	hypo	CHG	-0.6654
Gm11	634657	635498	Gmdrm	hypo	CHG	-0.5435
Gm11	654539	655187	Gmdrm	hypo	CHG	-0.5284
Gm11	667124	667263	Gmdrm	hypo	CHG	-0.0275
Gm11	667570	667781	Gmdrm	hypo	CHG	-0.06
Gm11	672041	672213	Gmdrm	hypo	CHG	-0.056
Gm11	679283	679459	Gmdrm	hypo	CHG	-0.8033
Gm11	679708	679900	Gmdrm	hypo	CHG	-0.4645
Gm11	693350	693886	Gmdrm	hypo	CHG	-0.4494
Gm11	694543	694671	Gmdrm	hypo	CHG	-0.3513
Gm11	697917	698167	Gmdrm	hypo	CHG	-0.0286
Gm11	703795	703911	Gmdrm	hypo	CHG	-0.0328
Gm11	705567	705648	Gmdrm	hypo	CHG	-0.094
Gm11	708172	708600	Gmdrm	hypo	CHG	-0.3855
Gm11	713317	713527	Gmdrm	hypo	CHG	-0.076
Gm11	716327	716421	Gmdrm	hypo	CHG	-0.85
Gm11	729013	729150	Gmdrm	hypo	CHG	-0.86
Gm11	729293	729540	Gmdrm	hypo	CHG	-0.5214
Gm11	740899	741025	Gmdrm	hypo	CHG	-0.7687
Gm11	741427	741586	Gmdrm	hypo	CHG	-0.6843
Gm11	742154	742353	Gmdrm	hypo	CHG	-0.823
Gm11	744643	744666	Gmdrm	hypo	CHG	-0.0467
Gm11	745871	745972	Gmdrm	hypo	CHG	-0.04
Gm11	770570	770981	Gmdrm	hypo	CHG	-0.3315
Gm11	771140	771243	Gmdrm	hypo	CHG	-0.3072
Gm11	771350	772350	Gmdrm	hypo	CHG	-0.5612
Gm11	783407	783522	Gmdrm	hypo	CHG	-0.0633
Gm11	791695	791892	Gmdrm	hypo	CHG	-0.042
Gm11	795001	795127	Gmdrm	hypo	CHG	-0.675
Gm11	795487	795847	Gmdrm	hypo	CHG	-0.3793

Gm11	798380	798484	Gmdrm	hypo	CHG	-0.5014
Gm11	798587	798718	Gmdrm	hypo	CHG	-0.2
Gm11	798872	799274	Gmdrm	hypo	CHG	-0.2646
Gm11	801037	801160	Gmdrm	hypo	CHG	-0.668
Gm11	807120	807432	Gmdrm	hypo	CHG	-0.318
Gm11	839537	840174	Gmdrm	hypo	CHG	-0.1417
Gm11	841327	841801	Gmdrm	hypo	CHG	-0.3347
Gm11	849111	849361	Gmdrm	hypo	CHG	-0.4393
Gm11	864435	864569	Gmdrm	hypo	CHG	-0.0478
Gm11	867316	867376	Gmdrm	hypo	CHG	-0.5284
Gm11	872036	872163	Gmdrm	hypo	CHG	-0.435
Gm11	875645	875780	Gmdrm	hypo	CHG	-0.0366
Gm11	898862	899085	Gmdrm	hypo	CHG	-0.2865
Gm11	906016	906195	Gmdrm	hypo	CHG	-0.7333
Gm11	919897	920113	Gmdrm	hypo	CHG	-0.7128
Gm11	931599	931774	Gmdrm	hypo	CHG	-0.29
Gm11	940787	940920	Gmdrm	hypo	CHG	-0.055
Gm11	945474	945785	Gmdrm	hypo	CHG	-0.0417
Gm11	945919	946274	Gmdrm	hypo	CHG	-0.0789
Gm11	949411	949615	Gmdrm	hypo	CHG	-0.7408
Gm11	950029	950163	Gmdrm	hypo	CHG	-0.635
Gm11	963026	963091	Gmdrm	hypo	CHG	-0.112
Gm11	978628	978666	Gmdrm	hypo	CHG	-0.8217
Gm11	1005440	1005632	Gmdrm	hypo	CHG	-0.052
Gm11	1010334	1010667	Gmdrm	hypo	CHG	-0.125
Gm11	1019682	1019774	Gmdrm	hypo	CHG	-0.802
Gm11	1032849	1032933	Gmdrm	hypo	CHG	-0.038
Gm11	1035332	1035363	Gmdrm	hypo	CHG	-0.9386
Gm11	1035576	1035895	Gmdrm	hypo	CHG	-0.7542
Gm11	1036314	1036504	Gmdrm	hypo	CHG	-0.5867
Gm11	1055313	1055527	Gmdrm	hypo	CHG	-0.3791
Gm11	1055708	1056036	Gmdrm	hypo	CHG	-0.4775
Gm11	1070534	1070726	Gmdrm	hypo	CHG	-0.06
Gm11	1081100	1081241	Gmdrm	hypo	CHG	-0.0767
Gm11	1089269	1090184	Gmdrm	hypo	CHG	-0.3077
Gm11	1090694	1090911	Gmdrm	hypo	CHG	-0.6446
Gm11	1105152	1105374	Gmdrm	hypo	CHG	-0.717
Gm11	1105549	1105709	Gmdrm	hypo	CHG	-0.6889
Gm11	1124146	1124249	Gmdrm	hypo	CHG	-0.2867
Gm11	1151794	1151908	Gmdrm	hypo	CHG	-0.035
Gm11	1162027	1162120	Gmdrm	hypo	CHG	-0.572
Gm11	1177240	1177533	Gmdrm	hypo	CHG	-0.0688
Gm11	1184192	1184890	Gmdrm	hypo	CHG	-0.6379
Gm11	1185019	1185284	Gmdrm	hypo	CHG	-0.431
Gm11	1185471	1185568	Gmdrm	hypo	CHG	-0.148
Gm11	1199439	1199697	Gmdrm	hypo	CHG	-0.7783

Gm11	1199842	1200138	Gmdrm	hypo	CHG	-0.6662
Gm11	1200352	1200500	Gmdrm	hypo	CHG	-0.8443
Gm11	1208651	1208795	Gmdrm	hypo	CHG	-0.7917
Gm11	1209354	1209505	Gmdrm	hypo	CHG	-0.7217
Gm11	1235970	1236110	Gmdrm	hypo	CHG	-0.3312
Gm11	1236221	1236362	Gmdrm	hypo	CHG	-0.7382
Gm11	1236703	1236887	Gmdrm	hypo	CHG	-0.233
Gm11	1242815	1242875	Gmdrm	hypo	CHG	-0.692
Gm11	1243597	1243782	Gmdrm	hypo	CHG	-0.796
Gm11	1243900	1244025	Gmdrm	hypo	CHG	-0.837
Gm11	1244144	1244193	Gmdrm	hypo	CHG	-0.908
Gm11	1294581	1294886	Gmdrm	hypo	CHG	-0.035
Gm11	1346187	1346409	Gmdrm	hypo	CHG	-0.4088
Gm11	1347082	1347109	Gmdrm	hypo	CHG	-0.036
Gm11	1368005	1368125	Gmdrm	hypo	CHG	-0.8425
Gm11	1369956	1370184	Gmdrm	hypo	CHG	-0.5615
Gm11	1372969	1373707	Gmdrm	hypo	CHG	-0.2145
Gm11	1409281	1409452	Gmdrm	hypo	CHG	-0.65
Gm11	1409717	1409891	Gmdrm	hypo	CHG	-0.5338
Gm11	1411149	1411175	Gmdrm	hypo	CHG	-0.42
Gm11	1456897	1457051	Gmdrm	hypo	CHG	-0.8943
Gm11	1458670	1458788	Gmdrm	hypo	CHG	-0.2816
Gm11	1470090	1470276	Gmdrm	hypo	CHG	-0.044
Gm11	1478956	1479146	Gmdrm	hypo	CHG	-0.1933
Gm11	1490978	1491263	Gmdrm	hypo	CHG	-0.2407
Gm11	1495302	1495488	Gmdrm	hypo	CHG	-0.3615
Gm11	1506305	1506949	Gmdrm	hypo	CHG	-0.2065
Gm11	1525972	1526450	Gmdrm	hypo	CHG	-0.7745
Gm11	1536798	1537045	Gmdrm	hypo	CHG	-0.6016
Gm11	1541080	1541370	Gmdrm	hypo	CHG	-0.8945
Gm11	1541482	1541778	Gmdrm	hypo	CHG	-0.82
Gm11	1584655	1584801	Gmdrm	hypo	CHG	-0.057
Gm11	1606022	1606308	Gmdrm	hypo	CHG	-0.5854
Gm11	1606450	1606596	Gmdrm	hypo	CHG	-0.5278
Gm11	1637551	1637644	Gmdrm	hypo	CHG	-0.405
Gm11	1643902	1643981	Gmdrm	hypo	CHG	-0.036
Gm11	1654874	1654988	Gmdrm	hypo	CHG	-0.0529
Gm11	1670822	1670835	Gmdrm	hypo	CHG	-0.036
Gm11	1676157	1676561	Gmdrm	hypo	CHG	-0.7779
Gm11	1676708	1676975	Gmdrm	hypo	CHG	-0.3057
Gm11	1693421	1693693	Gmdrm	hypo	CHG	-0.123
Gm11	1704307	1704341	Gmdrm	hypo	CHG	-0.285
Gm11	1704452	1704599	Gmdrm	hypo	CHG	-0.4467
Gm11	1711844	1712025	Gmdrm	hypo	CHG	-0.5382
Gm11	1752687	1753102	Gmdrm	hypo	CHG	-0.0361
Gm11	1780224	1780452	Gmdrm	hypo	CHG	-0.2933

Gm11	1808814	1809586	Gmdrm	hypo	CHG	-0.2037
Gm11	1809706	1810149	Gmdrm	hypo	CHG	-0.7175
Gm11	1822850	1822968	Gmdrm	hypo	CHG	-0.78
Gm11	1829776	1830069	Gmdrm	hypo	CHG	-0.0391
Gm11	1845156	1845286	Gmdrm	hypo	CHG	-0.0422
Gm11	1930101	1930369	Gmdrm	hypo	CHG	-0.7931
Gm11	1959670	1959927	Gmdrm	hypo	CHG	-0.1837
Gm11	1960052	1960293	Gmdrm	hypo	CHG	-0.0519
Gm11	1960497	1961054	Gmdrm	hypo	CHG	-0.0807
Gm11	1961196	1962171	Gmdrm	hypo	CHG	-0.4658
Gm11	1962430	1963068	Gmdrm	hypo	CHG	-0.3275
Gm11	1966347	1966632	Gmdrm	hypo	CHG	-0.2291
Gm11	1990917	1991018	Gmdrm	hypo	CHG	-0.6426
Gm11	1991154	1991719	Gmdrm	hypo	CHG	-0.2838
Gm11	2042421	2042659	Gmdrm	hypo	CHG	-0.7446
Gm11	2042805	2042895	Gmdrm	hypo	CHG	-0.4086
Gm11	2049234	2049387	Gmdrm	hypo	CHG	-0.859
Gm11	2056825	2056979	Gmdrm	hypo	CHG	-0.061
Gm11	2066245	2066323	Gmdrm	hypo	CHG	-0.0272
Gm11	2068451	2068712	Gmdrm	hypo	CHG	-0.4359
Gm11	2080525	2080851	Gmdrm	hypo	CHG	-0.7758
Gm11	2080969	2081259	Gmdrm	hypo	CHG	-0.744
Gm11	2081400	2081718	Gmdrm	hypo	CHG	-0.6354
Gm11	2082999	2083297	Gmdrm	hypo	CHG	-0.6513
Gm11	2083941	2084309	Gmdrm	hypo	CHG	-0.8218
Gm11	2086830	2087370	Gmdrm	hypo	CHG	-0.4996
Gm11	2095072	2095222	Gmdrm	hypo	CHG	-0.2312
Gm11	2125522	2125722	Gmdrm	hypo	CHG	-0.2654
Gm11	2125942	2126162	Gmdrm	hypo	CHG	-0.3311
Gm11	2156686	2156961	Gmdrm	hypo	CHG	-0.0676
Gm11	2197850	2198042	Gmdrm	hypo	CHG	-0.034
Gm11	2226690	2226821	Gmdrm	hypo	CHG	-0.2
Gm11	2233054	2233241	Gmdrm	hypo	CHG	-0.132
Gm11	2256333	2256618	Gmdrm	hypo	CHG	-0.6893
Gm11	2283798	2284534	Gmdrm	hypo	CHG	-0.2107
Gm11	2335062	2335281	Gmdrm	hypo	CHG	-0.7392
Gm11	2339085	2339196	Gmdrm	hypo	CHG	-0.0967
Gm11	2375504	2375653	Gmdrm	hypo	CHG	-0.054
Gm11	2384849	2384891	Gmdrm	hypo	CHG	-0.8933
Gm11	2398628	2398722	Gmdrm	hypo	CHG	-0.685
Gm11	2419436	2419529	Gmdrm	hypo	CHG	-0.388
Gm11	2425050	2425229	Gmdrm	hypo	CHG	-0.03
Gm11	2428640	2429120	Gmdrm	hypo	CHG	-0.0315
Gm11	2432906	2433173	Gmdrm	hypo	CHG	-0.2399
Gm11	2448520	2448618	Gmdrm	hypo	CHG	-0.0622
Gm11	2458140	2458334	Gmdrm	hypo	CHG	-0.4137

Gm11	2459527	2460205	Gmdrm	hypo	CHG	-0.71
Gm11	2466258	2466552	Gmdrm	hypo	CHG	-0.2391
Gm11	2495013	2495341	Gmdrm	hypo	CHG	-0.0364
Gm11	2503554	2503599	Gmdrm	hypo	CHG	-0.06
Gm11	2534888	2535004	Gmdrm	hypo	CHG	-0.4269
Gm11	2535197	2535234	Gmdrm	hypo	CHG	-0.705
Gm11	2557408	2557551	Gmdrm	hypo	CHG	-0.4
Gm11	2558396	2558691	Gmdrm	hypo	CHG	-0.4892
Gm11	2562742	2562858	Gmdrm	hypo	CHG	-0.778
Gm11	2575510	2575626	Gmdrm	hypo	CHG	-0.4071
Gm11	2585704	2586077	Gmdrm	hypo	CHG	-0.3028
Gm11	2603500	2603638	Gmdrm	hypo	CHG	-0.432
Gm11	2603802	2604148	Gmdrm	hypo	CHG	-0.3971
Gm11	2611717	2611994	Gmdrm	hypo	CHG	-0.0376
Gm11	2627098	2627385	Gmdrm	hypo	CHG	-0.7193
Gm11	2660640	2661376	Gmdrm	hypo	CHG	-0.6615
Gm11	2674139	2674282	Gmdrm	hypo	CHG	-0.6271
Gm11	2674394	2674711	Gmdrm	hypo	CHG	-0.6743
Gm11	2676519	2676569	Gmdrm	hypo	CHG	-0.61
Gm11	2684337	2684443	Gmdrm	hypo	CHG	-0.22
Gm11	2684711	2684888	Gmdrm	hypo	CHG	-0.5411
Gm11	2694526	2694717	Gmdrm	hypo	CHG	-0.4607
Gm11	2716763	2716886	Gmdrm	hypo	CHG	-0.06
Gm11	2717737	2717998	Gmdrm	hypo	CHG	-0.095
Gm11	2740915	2741096	Gmdrm	hypo	CHG	-0.4022
Gm11	2741200	2741855	Gmdrm	hypo	CHG	-0.3177
Gm11	2742020	2742132	Gmdrm	hypo	CHG	-0.243
Gm11	2757830	2757975	Gmdrm	hypo	CHG	-0.0433
Gm11	2763061	2763346	Gmdrm	hypo	CHG	-0.05
Gm11	2796288	2796492	Gmdrm	hypo	CHG	-0.4513
Gm11	2842729	2843191	Gmdrm	hypo	CHG	-0.7094
Gm11	2847726	2847905	Gmdrm	hypo	CHG	-0.056
Gm11	2853579	2853906	Gmdrm	hypo	CHG	-0.646
Gm11	2854548	2854866	Gmdrm	hypo	CHG	-0.2867
Gm11	2859225	2859501	Gmdrm	hypo	CHG	-0.225
Gm11	2859688	2859885	Gmdrm	hypo	CHG	-0.36
Gm11	2885296	2885565	Gmdrm	hypo	CHG	-0.0443
Gm11	2891369	2891731	Gmdrm	hypo	CHG	-0.2377
Gm11	2892247	2892383	Gmdrm	hypo	CHG	-0.072
Gm11	2919245	2919349	Gmdrm	hypo	CHG	-0.0329
Gm11	2931063	2931364	Gmdrm	hypo	CHG	-0.0387
Gm11	2953119	2953308	Gmdrm	hypo	CHG	-0.1292
Gm11	2980580	2980730	Gmdrm	hypo	CHG	-0.066
Gm11	2993858	2993991	Gmdrm	hypo	CHG	-0.8075
Gm11	3031663	3031826	Gmdrm	hypo	CHG	-0.0314
Gm11	3035503	3035667	Gmdrm	hypo	CHG	-0.848

Gm11	3044021	3044150 Gmdrm	hypo	CHG	-0.049
Gm11	3050617	3051011 Gmdrm	hypo	CHG	-0.5917
Gm11	3064571	3064741 Gmdrm	hypo	CHG	-0.1867
Gm11	3090998	3091196 Gmdrm	hypo	CHG	-0.0434
Gm11	3091584	3092399 Gmdrm	hypo	CHG	-0.8906
Gm11	3129747	3130194 Gmdrm	hypo	CHG	-0.7319
Gm11	3131490	3131537 Gmdrm	hypo	CHG	-0.624
Gm11	3132141	3132709 Gmdrm	hypo	CHG	-0.8036
Gm11	3138743	3139377 Gmdrm	hypo	CHG	-0.813
Gm11	3155615	3156077 Gmdrm	hypo	CHG	-0.0418
Gm11	3175654	3175846 Gmdrm	hypo	CHG	-0.741
Gm11	3176043	3176560 Gmdrm	hypo	CHG	-0.2013
Gm11	3177076	3177558 Gmdrm	hypo	CHG	-0.446
Gm11	3183870	3184086 Gmdrm	hypo	CHG	-0.7722
Gm11	3191231	3191335 Gmdrm	hypo	CHG	-0.03
Gm11	3203740	3204229 Gmdrm	hypo	CHG	-0.357
Gm11	3209029	3209259 Gmdrm	hypo	CHG	-0.7054
Gm11	3211040	3211415 Gmdrm	hypo	CHG	-0.6922
Gm11	3212333	3212712 Gmdrm	hypo	CHG	-0.6886
Gm11	3213511	3213893 Gmdrm	hypo	CHG	-0.5293
Gm11	3214342	3214399 Gmdrm	hypo	CHG	-0.9133
Gm11	3220111	3220353 Gmdrm	hypo	CHG	-0.5355
Gm11	3230292	3230609 Gmdrm	hypo	CHG	-0.6093
Gm11	3252336	3252634 Gmdrm	hypo	CHG	-0.8731
Gm11	3252860	3252903 Gmdrm	hypo	CHG	-0.5133
Gm11	3253520	3253893 Gmdrm	hypo	CHG	-0.3976
Gm11	3268317	3268414 Gmdrm	hypo	CHG	-0.3586
Gm11	3269825	3270040 Gmdrm	hypo	CHG	-0.088
Gm11	3296217	3296320 Gmdrm	hypo	CHG	-0.1
Gm11	3311239	3311566 Gmdrm	hypo	CHG	-0.5941
Gm11	3311997	3312037 Gmdrm	hypo	CHG	-0.87
Gm11	3369156	3369187 Gmdrm	hypo	CHG	-0.3183
Gm11	3370814	3371180 Gmdrm	hypo	CHG	-0.4648
Gm11	3392693	3393036 Gmdrm	hypo	CHG	-0.4952
Gm11	3393233	3394224 Gmdrm	hypo	CHG	-0.2932
Gm11	3406741	3406758 Gmdrm	hypo	CHG	-0.055
Gm11	3406945	3407041 Gmdrm	hypo	CHG	-0.8384
Gm11	3416435	3416656 Gmdrm	hypo	CHG	-0.44
Gm11	3416943	3417081 Gmdrm	hypo	CHG	-0.532
Gm11	3417738	3418311 Gmdrm	hypo	CHG	-0.1734
Gm11	3421805	3422321 Gmdrm	hypo	CHG	-0.6404
Gm11	3430649	3430998 Gmdrm	hypo	CHG	-0.5113
Gm11	3431118	3431298 Gmdrm	hypo	CHG	-0.1695
Gm11	3432633	3432713 Gmdrm	hypo	CHG	-0.413
Gm11	3437952	3438021 Gmdrm	hypo	CHG	-0.0983
Gm11	3463891	3463974 Gmdrm	hypo	CHG	-0.0643

Gm11	3467874	3468082	Gmdrm	hypo	CHG	-0.3788
Gm11	3499397	3499511	Gmdrm	hypo	CHG	-0.046
Gm11	3504166	3504434	Gmdrm	hypo	CHG	-0.85
Gm11	3511942	3512612	Gmdrm	hypo	CHG	-0.3263
Gm11	3516809	3517000	Gmdrm	hypo	CHG	-0.7893
Gm11	3543794	3544215	Gmdrm	hypo	CHG	-0.474
Gm11	3566832	3566923	Gmdrm	hypo	CHG	-0.0964
Gm11	3594629	3595007	Gmdrm	hypo	CHG	-0.8589
Gm11	3604042	3604255	Gmdrm	hypo	CHG	-0.0463
Gm11	3609730	3609893	Gmdrm	hypo	CHG	-0.6036
Gm11	3631029	3631168	Gmdrm	hypo	CHG	-0.036
Gm11	3656097	3656314	Gmdrm	hypo	CHG	-0.55
Gm11	3657127	3657275	Gmdrm	hypo	CHG	-0.7645
Gm11	3657489	3657553	Gmdrm	hypo	CHG	-0.622
Gm11	3692346	3692415	Gmdrm	hypo	CHG	-0.59
Gm11	3692676	3692839	Gmdrm	hypo	CHG	-0.6622
Gm11	3694585	3694630	Gmdrm	hypo	CHG	-0.52
Gm11	3694784	3694898	Gmdrm	hypo	CHG	-0.772
Gm11	3695002	3695181	Gmdrm	hypo	CHG	-0.924
Gm11	3695342	3695391	Gmdrm	hypo	CHG	-0.7833
Gm11	3758949	3759167	Gmdrm	hypo	CHG	-0.1414
Gm11	3779065	3779889	Gmdrm	hypo	CHG	-0.0388
Gm11	3793435	3793666	Gmdrm	hypo	CHG	-0.1575
Gm11	3793804	3793876	Gmdrm	hypo	CHG	-0.522
Gm11	3794036	3794179	Gmdrm	hypo	CHG	-0.352
Gm11	3828748	3828926	Gmdrm	hypo	CHG	-0.9171
Gm11	3829147	3829236	Gmdrm	hypo	CHG	-0.3883
Gm11	3845502	3845679	Gmdrm	hypo	CHG	-0.248
Gm11	3864408	3864669	Gmdrm	hypo	CHG	-0.025
Gm11	3866850	3867086	Gmdrm	hypo	CHG	-0.327
Gm11	3878536	3878756	Gmdrm	hypo	CHG	-0.2421
Gm11	3878869	3878916	Gmdrm	hypo	CHG	-0.056
Gm11	3883392	3883550	Gmdrm	hypo	CHG	-0.672
Gm11	3891860	3892167	Gmdrm	hypo	CHG	-0.8442
Gm11	3898316	3898633	Gmdrm	hypo	CHG	-0.354
Gm11	3916676	3917050	Gmdrm	hypo	CHG	-0.1542
Gm11	3959413	3959680	Gmdrm	hypo	CHG	-0.0528
Gm11	3974408	3974544	Gmdrm	hypo	CHG	-0.6786
Gm11	3974671	3974923	Gmdrm	hypo	CHG	-0.55
Gm11	3979441	3979652	Gmdrm	hypo	CHG	-0.054
Gm11	4000710	4000830	Gmdrm	hypo	CHG	-0.0471
Gm11	4006855	4007356	Gmdrm	hypo	CHG	-0.2264
Gm11	4030393	4030681	Gmdrm	hypo	CHG	-0.3911
Gm11	4052138	4052178	Gmdrm	hypo	CHG	-0.8417
Gm11	4069068	4069257	Gmdrm	hypo	CHG	-0.4787
Gm11	4090200	4090408	Gmdrm	hypo	CHG	-0.595

Gm11	4094529	4094987	Gmdrm	hypo	CHG	-0.0261
Gm11	4136854	4136902	Gmdrm	hypo	CHG	-0.7283
Gm11	4137479	4137564	Gmdrm	hypo	CHG	-0.2283
Gm11	4139083	4139813	Gmdrm	hypo	CHG	-0.6789
Gm11	4140863	4141251	Gmdrm	hypo	CHG	-0.5259
Gm11	4145278	4145654	Gmdrm	hypo	CHG	-0.7308
Gm11	4151192	4151392	Gmdrm	hypo	CHG	-0.0787
Gm11	4151877	4152053	Gmdrm	hypo	CHG	-0.6709
Gm11	4156669	4156992	Gmdrm	hypo	CHG	-0.4069
Gm11	4160535	4160602	Gmdrm	hypo	CHG	-0.8762
Gm11	4179391	4179651	Gmdrm	hypo	CHG	-0.66
Gm11	4179884	4180124	Gmdrm	hypo	CHG	-0.6038
Gm11	4197990	4198580	Gmdrm	hypo	CHG	-0.3016
Gm11	4284619	4284705	Gmdrm	hypo	CHG	-0.7233
Gm11	4339714	4339784	Gmdrm	hypo	CHG	-0.1117
Gm11	4351672	4352008	Gmdrm	hypo	CHG	-0.0333
Gm11	4397887	4398232	Gmdrm	hypo	CHG	-0.222
Gm11	4418743	4419157	Gmdrm	hypo	CHG	-0.0438
Gm11	4433994	4434251	Gmdrm	hypo	CHG	-0.1482
Gm11	4487686	4487714	Gmdrm	hypo	CHG	-0.7157
Gm11	4487888	4488111	Gmdrm	hypo	CHG	-0.86
Gm11	4513402	4513570	Gmdrm	hypo	CHG	-0.0425
Gm11	4519317	4519428	Gmdrm	hypo	CHG	-0.7514
Gm11	4519537	4519701	Gmdrm	hypo	CHG	-0.71
Gm11	4520452	4520476	Gmdrm	hypo	CHG	-0.9
Gm11	4526175	4526424	Gmdrm	hypo	CHG	-0.03
Gm11	4535974	4536021	Gmdrm	hypo	CHG	-0.746
Gm11	4548573	4548647	Gmdrm	hypo	CHG	-0.0333
Gm11	4556927	4557050	Gmdrm	hypo	CHG	-0.299
Gm11	4557867	4558031	Gmdrm	hypo	CHG	-0.7067
Gm11	4560907	4561061	Gmdrm	hypo	CHG	-0.4316
Gm11	4561510	4561876	Gmdrm	hypo	CHG	-0.3652
Gm11	4627761	4628041	Gmdrm	hypo	CHG	-0.64
Gm11	4635222	4635592	Gmdrm	hypo	CHG	-0.7612
Gm11	4656437	4656605	Gmdrm	hypo	CHG	-0.9043
Gm11	4665079	4665378	Gmdrm	hypo	CHG	-0.0833
Gm11	4717598	4717823	Gmdrm	hypo	CHG	-0.09
Gm11	4723814	4723993	Gmdrm	hypo	CHG	-0.066
Gm11	4724473	4724571	Gmdrm	hypo	CHG	-0.62
Gm11	4733865	4734023	Gmdrm	hypo	CHG	-0.63
Gm11	4734459	4734891	Gmdrm	hypo	CHG	-0.305
Gm11	4738186	4738254	Gmdrm	hypo	CHG	-0.5063
Gm11	4738641	4738791	Gmdrm	hypo	CHG	-0.306
Gm11	4751012	4751205	Gmdrm	hypo	CHG	-0.6962
Gm11	4765238	4766020	Gmdrm	hypo	CHG	-0.0883
Gm11	4778352	4778597	Gmdrm	hypo	CHG	-0.0458

Gm11	4781989	4782374	Gmdrm	hypo	CHG	-0.7267
Gm11	4782832	4782952	Gmdrm	hypo	CHG	-0.4712
Gm11	4797382	4797581	Gmdrm	hypo	CHG	-0.777
Gm11	4810196	4810319	Gmdrm	hypo	CHG	-0.5383
Gm11	4810673	4810883	Gmdrm	hypo	CHG	-0.7416
Gm11	4819554	4819605	Gmdrm	hypo	CHG	-0.6142
Gm11	4826146	4826385	Gmdrm	hypo	CHG	-0.2507
Gm11	4837461	4837553	Gmdrm	hypo	CHG	-0.9184
Gm11	4847757	4848146	Gmdrm	hypo	CHG	-0.7261
Gm11	4848698	4848882	Gmdrm	hypo	CHG	-0.564
Gm11	4849162	4849342	Gmdrm	hypo	CHG	-0.4952
Gm11	4851399	4851422	Gmdrm	hypo	CHG	-0.896
Gm11	4851594	4851665	Gmdrm	hypo	CHG	-0.72
Gm11	4851853	4851930	Gmdrm	hypo	CHG	-0.6571
Gm11	4858913	4859139	Gmdrm	hypo	CHG	-0.6882
Gm11	4859321	4859569	Gmdrm	hypo	CHG	-0.734
Gm11	4859679	4860220	Gmdrm	hypo	CHG	-0.6665
Gm11	4869049	4869372	Gmdrm	hypo	CHG	-0.0433
Gm11	4897627	4897660	Gmdrm	hypo	CHG	-0.038
Gm11	4903455	4903599	Gmdrm	hypo	CHG	-0.0867
Gm11	4906883	4906987	Gmdrm	hypo	CHG	-0.5783
Gm11	4907389	4907701	Gmdrm	hypo	CHG	-0.64
Gm11	4912432	4912620	Gmdrm	hypo	CHG	-0.0689
Gm11	4931279	4931535	Gmdrm	hypo	CHG	-0.5967
Gm11	4932029	4932127	Gmdrm	hypo	CHG	-0.3972
Gm11	4935525	4935937	Gmdrm	hypo	CHG	-0.0267
Gm11	4942281	4942640	Gmdrm	hypo	CHG	-0.2309
Gm11	4943931	4944076	Gmdrm	hypo	CHG	-0.7666
Gm11	4973629	4973661	Gmdrm	hypo	CHG	-0.708
Gm11	4973869	4974164	Gmdrm	hypo	CHG	-0.1125
Gm11	4975671	4975892	Gmdrm	hypo	CHG	-0.1755
Gm11	4991240	4991648	Gmdrm	hypo	CHG	-0.552
Gm11	4998285	4998617	Gmdrm	hypo	CHG	-0.615
Gm11	5015257	5015512	Gmdrm	hypo	CHG	-0.5131
Gm11	5018875	5018946	Gmdrm	hypo	CHG	-0.1825
Gm11	5019485	5019540	Gmdrm	hypo	CHG	-0.1063
Gm11	5020475	5020690	Gmdrm	hypo	CHG	-0.2425
Gm11	5022859	5023287	Gmdrm	hypo	CHG	-0.8169
Gm11	5034679	5034861	Gmdrm	hypo	CHG	-0.048
Gm11	5054353	5054757	Gmdrm	hypo	CHG	-0.1083
Gm11	5061212	5061364	Gmdrm	hypo	CHG	-0.0383
Gm11	5100049	5100124	Gmdrm	hypo	CHG	-0.738
Gm11	5100227	5100307	Gmdrm	hypo	CHG	-0.685
Gm11	5103086	5103535	Gmdrm	hypo	CHG	-0.0362
Gm11	5106614	5106851	Gmdrm	hypo	CHG	-0.0718
Gm11	5117034	5117274	Gmdrm	hypo	CHG	-0.7112

Gm11	5125919	5126146 Gmdrm	hypo	CHG	-0.055
Gm11	5128712	5128881 Gmdrm	hypo	CHG	-0.5128
Gm11	5130922	5131185 Gmdrm	hypo	CHG	-0.034
Gm11	5140327	5140437 Gmdrm	hypo	CHG	-0.041
Gm11	5143833	5144071 Gmdrm	hypo	CHG	-0.0357
Gm11	5161176	5161659 Gmdrm	hypo	CHG	-0.434
Gm11	5173153	5173261 Gmdrm	hypo	CHG	-0.05
Gm11	5197138	5197182 Gmdrm	hypo	CHG	-0.4567
Gm11	5239588	5239706 Gmdrm	hypo	CHG	-0.064
Gm11	5246288	5246444 Gmdrm	hypo	CHG	-0.2255
Gm11	5248684	5248856 Gmdrm	hypo	CHG	-0.5117
Gm11	5255570	5255616 Gmdrm	hypo	CHG	-0.124
Gm11	5293809	5294174 Gmdrm	hypo	CHG	-0.0287
Gm11	5302528	5302600 Gmdrm	hypo	CHG	-0.226
Gm11	5306800	5307634 Gmdrm	hypo	CHG	-0.2319
Gm11	5315821	5316022 Gmdrm	hypo	CHG	-0.048
Gm11	5335956	5336047 Gmdrm	hypo	CHG	-0.0367
Gm11	5337682	5338190 Gmdrm	hypo	CHG	-0.4723
Gm11	5340383	5340479 Gmdrm	hypo	CHG	-0.8025
Gm11	5341506	5341797 Gmdrm	hypo	CHG	-0.2559
Gm11	5371420	5371686 Gmdrm	hypo	CHG	-0.06
Gm11	5384347	5384596 Gmdrm	hypo	CHG	-0.3467
Gm11	5385058	5385544 Gmdrm	hypo	CHG	-0.4325
Gm11	5386090	5386389 Gmdrm	hypo	CHG	-0.0411
Gm11	5387471	5387701 Gmdrm	hypo	CHG	-0.685
Gm11	5390156	5390268 Gmdrm	hypo	CHG	-0.75
Gm11	5423957	5424285 Gmdrm	hypo	CHG	-0.049
Gm11	5442213	5442798 Gmdrm	hypo	CHG	-0.5489
Gm11	5442916	5443053 Gmdrm	hypo	CHG	-0.9009
Gm11	5452935	5453431 Gmdrm	hypo	CHG	-0.85
Gm11	5463129	5463433 Gmdrm	hypo	CHG	-0.8434
Gm11	5496295	5496490 Gmdrm	hypo	CHG	-0.6208
Gm11	5496592	5496749 Gmdrm	hypo	CHG	-0.688
Gm11	5496858	5497062 Gmdrm	hypo	CHG	-0.9033
Gm11	5538105	5538187 Gmdrm	hypo	CHG	-0.058
Gm11	5574730	5574822 Gmdrm	hypo	CHG	-0.042
Gm11	5587137	5587431 Gmdrm	hypo	CHG	-0.3808
Gm11	5590312	5590500 Gmdrm	hypo	CHG	-0.76
Gm11	5599530	5599715 Gmdrm	hypo	CHG	-0.045
Gm11	5605899	5605931 Gmdrm	hypo	CHG	-0.052
Gm11	5614616	5614833 Gmdrm	hypo	CHG	-0.06
Gm11	5626176	5626301 Gmdrm	hypo	CHG	-0.4125
Gm11	5668893	5669383 Gmdrm	hypo	CHG	-0.5234
Gm11	5669486	5669653 Gmdrm	hypo	CHG	-0.4443
Gm11	5673978	5674027 Gmdrm	hypo	CHG	-0.062
Gm11	5675256	5675369 Gmdrm	hypo	CHG	-0.4714

Gm11	5678360	5678496	Gmdrm	hypo	CHG	-0.081
Gm11	5691209	5691302	Gmdrm	hypo	CHG	-0.046
Gm11	5705326	5705426	Gmdrm	hypo	CHG	-0.525
Gm11	5705726	5705832	Gmdrm	hypo	CHG	-0.1788
Gm11	5714958	5715154	Gmdrm	hypo	CHG	-0.3877
Gm11	5722949	5723012	Gmdrm	hypo	CHG	-0.8262
Gm11	5728141	5728230	Gmdrm	hypo	CHG	-0.259
Gm11	5740038	5740206	Gmdrm	hypo	CHG	-0.7767
Gm11	5745372	5745753	Gmdrm	hypo	CHG	-0.3569
Gm11	5746187	5746252	Gmdrm	hypo	CHG	-0.175
Gm11	5748128	5748518	Gmdrm	hypo	CHG	-0.3737
Gm11	5755940	5756205	Gmdrm	hypo	CHG	-0.067
Gm11	5771468	5771624	Gmdrm	hypo	CHG	-0.064
Gm11	5776590	5776733	Gmdrm	hypo	CHG	-0.3217
Gm11	5777564	5777892	Gmdrm	hypo	CHG	-0.2917
Gm11	5809447	5809778	Gmdrm	hypo	CHG	-0.0437
Gm11	5819684	5819964	Gmdrm	hypo	CHG	-0.562
Gm11	5823165	5823493	Gmdrm	hypo	CHG	-0.48
Gm11	5864310	5864404	Gmdrm	hypo	CHG	-0.04
Gm11	5868156	5868303	Gmdrm	hypo	CHG	-0.738
Gm11	5922062	5922444	Gmdrm	hypo	CHG	-0.6184
Gm11	5931258	5931377	Gmdrm	hypo	CHG	-0.04
Gm11	5986624	5986787	Gmdrm	hypo	CHG	-0.5883
Gm11	5989216	5989544	Gmdrm	hypo	CHG	-0.173
Gm11	6009682	6009907	Gmdrm	hypo	CHG	-0.0288
Gm11	6017107	6017209	Gmdrm	hypo	CHG	-0.3471
Gm11	6017375	6017657	Gmdrm	hypo	CHG	-0.3949
Gm11	6024736	6025087	Gmdrm	hypo	CHG	-0.488
Gm11	6047688	6048006	Gmdrm	hypo	CHG	-0.4473
Gm11	6048575	6049050	Gmdrm	hypo	CHG	-0.5037
Gm11	6049297	6049628	Gmdrm	hypo	CHG	-0.6622
Gm11	6052792	6053316	Gmdrm	hypo	CHG	-0.24
Gm11	6060721	6060928	Gmdrm	hypo	CHG	-0.0386
Gm11	6063966	6064112	Gmdrm	hypo	CHG	-0.523
Gm11	6065397	6065530	Gmdrm	hypo	CHG	-0.782
Gm11	6067073	6067142	Gmdrm	hypo	CHG	-0.634
Gm11	6067256	6067391	Gmdrm	hypo	CHG	-0.584
Gm11	6067842	6067976	Gmdrm	hypo	CHG	-0.71
Gm11	6070873	6071199	Gmdrm	hypo	CHG	-0.5675
Gm11	6071531	6071596	Gmdrm	hypo	CHG	-0.865
Gm11	6088955	6089154	Gmdrm	hypo	CHG	-0.102
Gm11	6114375	6114574	Gmdrm	hypo	CHG	-0.1828
Gm11	6175674	6175890	Gmdrm	hypo	CHG	-0.2306
Gm11	6175995	6176093	Gmdrm	hypo	CHG	-0.048
Gm11	6211201	6211839	Gmdrm	hypo	CHG	-0.3744
Gm11	6213338	6213439	Gmdrm	hypo	CHG	-0.1617

Gm11	6232482	6232768	Gmdrm	hypo	CHG	-0.4064
Gm11	6232896	6233211	Gmdrm	hypo	CHG	-0.3988
Gm11	6237008	6237267	Gmdrm	hypo	CHG	-0.1512
Gm11	6278266	6278363	Gmdrm	hypo	CHG	-0.7457
Gm11	6290167	6290350	Gmdrm	hypo	CHG	-0.068
Gm11	6340075	6340138	Gmdrm	hypo	CHG	-0.6334
Gm11	6340521	6340716	Gmdrm	hypo	CHG	-0.2555
Gm11	6352042	6352217	Gmdrm	hypo	CHG	-0.1733
Gm11	6357999	6358119	Gmdrm	hypo	CHG	-0.04
Gm11	6362717	6362807	Gmdrm	hypo	CHG	-0.048
Gm11	6365736	6365975	Gmdrm	hypo	CHG	-0.2872
Gm11	6402682	6402791	Gmdrm	hypo	CHG	-0.035
Gm11	6427162	6427275	Gmdrm	hypo	CHG	-0.036
Gm11	6431046	6431262	Gmdrm	hypo	CHG	-0.5829
Gm11	6525413	6525427	Gmdrm	hypo	CHG	-0.3333
Gm11	6535964	6536313	Gmdrm	hypo	CHG	-0.0466
Gm11	6541068	6541242	Gmdrm	hypo	CHG	-0.044
Gm11	6560551	6560634	Gmdrm	hypo	CHG	-0.038
Gm11	6561514	6561945	Gmdrm	hypo	CHG	-0.2959
Gm11	6562574	6562866	Gmdrm	hypo	CHG	-0.1146
Gm11	6577250	6577521	Gmdrm	hypo	CHG	-0.2408
Gm11	6607714	6607933	Gmdrm	hypo	CHG	-0.9135
Gm11	6611713	6612177	Gmdrm	hypo	CHG	-0.4555
Gm11	6658635	6658739	Gmdrm	hypo	CHG	-0.6188
Gm11	6658861	6658953	Gmdrm	hypo	CHG	-0.16
Gm11	6665229	6665377	Gmdrm	hypo	CHG	-0.5889
Gm11	6699592	6699707	Gmdrm	hypo	CHG	-0.0267
Gm11	6714973	6715082	Gmdrm	hypo	CHG	-0.546
Gm11	6715720	6715975	Gmdrm	hypo	CHG	-0.6012
Gm11	6717951	6718087	Gmdrm	hypo	CHG	-0.038
Gm11	6735436	6735552	Gmdrm	hypo	CHG	-0.588
Gm11	6752264	6752498	Gmdrm	hypo	CHG	-0.0467
Gm11	6822706	6822844	Gmdrm	hypo	CHG	-0.5674
Gm11	6849947	6850023	Gmdrm	hypo	CHG	-0.052
Gm11	6891890	6892025	Gmdrm	hypo	CHG	-0.1167
Gm11	6901783	6901855	Gmdrm	hypo	CHG	-0.595
Gm11	6906834	6907032	Gmdrm	hypo	CHG	-0.0587
Gm11	6924057	6924255	Gmdrm	hypo	CHG	-0.054
Gm11	6939800	6940423	Gmdrm	hypo	CHG	-0.4304
Gm11	6954070	6954627	Gmdrm	hypo	CHG	-0.3948
Gm11	6976391	6976955	Gmdrm	hypo	CHG	-0.1637
Gm11	6981411	6981485	Gmdrm	hypo	CHG	-0.038
Gm11	6995662	6995721	Gmdrm	hypo	CHG	-0.044
Gm11	6996159	6996990	Gmdrm	hypo	CHG	-0.0283
Gm11	7001547	7001775	Gmdrm	hypo	CHG	-0.045
Gm11	7002018	7002352	Gmdrm	hypo	CHG	-0.0338

Gm11	7005134	7005431 Gmdrm	hypo	CHG	-0.5581
Gm11	7014677	7014708 Gmdrm	hypo	CHG	-0.1733
Gm11	7020866	7021089 Gmdrm	hypo	CHG	-0.2338
Gm11	7022522	7023033 Gmdrm	hypo	CHG	-0.2683
Gm11	7045997	7046150 Gmdrm	hypo	CHG	-0.224
Gm11	7046458	7046479 Gmdrm	hypo	CHG	-0.26
Gm11	7046771	7046914 Gmdrm	hypo	CHG	-0.3062
Gm11	7047020	7047100 Gmdrm	hypo	CHG	-0.4488
Gm11	7047224	7047397 Gmdrm	hypo	CHG	-0.6591
Gm11	7047719	7047820 Gmdrm	hypo	CHG	-0.645
Gm11	7133211	7133733 Gmdrm	hypo	CHG	-0.025
Gm11	7135729	7136016 Gmdrm	hypo	CHG	-0.05
Gm11	7218366	7218489 Gmdrm	hypo	CHG	-0.064
Gm11	7251383	7251434 Gmdrm	hypo	CHG	-0.876
Gm11	7251829	7251916 Gmdrm	hypo	CHG	-0.718
Gm11	7252250	7252324 Gmdrm	hypo	CHG	-0.8733
Gm11	7261206	7261311 Gmdrm	hypo	CHG	-0.048
Gm11	7275090	7275211 Gmdrm	hypo	CHG	-0.2277
Gm11	7303361	7303495 Gmdrm	hypo	CHG	-0.0756
Gm11	7303629	7303742 Gmdrm	hypo	CHG	-0.7766
Gm11	7303854	7303945 Gmdrm	hypo	CHG	-0.8545
Gm11	7306183	7306349 Gmdrm	hypo	CHG	-0.4071
Gm11	7306454	7306652 Gmdrm	hypo	CHG	-0.7246
Gm11	7309071	7309432 Gmdrm	hypo	CHG	-0.2039
Gm11	7325502	7325597 Gmdrm	hypo	CHG	-0.5189
Gm11	7326690	7326815 Gmdrm	hypo	CHG	-0.368
Gm11	7334907	7335060 Gmdrm	hypo	CHG	-0.036
Gm11	7353975	7354180 Gmdrm	hypo	CHG	-0.5444
Gm11	7365529	7365758 Gmdrm	hypo	CHG	-0.6063
Gm11	7377783	7377880 Gmdrm	hypo	CHG	-0.4614
Gm11	7392360	7392500 Gmdrm	hypo	CHG	-0.4916
Gm11	7411656	7411876 Gmdrm	hypo	CHG	-0.6756
Gm11	7495352	7495786 Gmdrm	hypo	CHG	-0.2772
Gm11	7510873	7510990 Gmdrm	hypo	CHG	-0.03
Gm11	7514544	7515179 Gmdrm	hypo	CHG	-0.84
Gm11	7531640	7531763 Gmdrm	hypo	CHG	-0.4671
Gm11	7545663	7545802 Gmdrm	hypo	CHG	-0.05
Gm11	7578822	7579005 Gmdrm	hypo	CHG	-0.292
Gm11	7656097	7656224 Gmdrm	hypo	CHG	-0.7017
Gm11	7656417	7656612 Gmdrm	hypo	CHG	-0.377
Gm11	7656757	7656896 Gmdrm	hypo	CHG	-0.2118
Gm11	7672114	7672314 Gmdrm	hypo	CHG	-0.4263
Gm11	7688351	7688765 Gmdrm	hypo	CHG	-0.0533
Gm11	7729099	7729534 Gmdrm	hypo	CHG	-0.1781
Gm11	7737764	7738112 Gmdrm	hypo	CHG	-0.0282
Gm11	7747394	7747572 Gmdrm	hypo	CHG	-0.0614

Gm11	7763712	7763893	Gmdrm	hypo	CHG	-0.4938
Gm11	7765094	7765740	Gmdrm	hypo	CHG	-0.0453
Gm11	7772181	7772291	Gmdrm	hypo	CHG	-0.102
Gm11	7777546	7778023	Gmdrm	hypo	CHG	-0.0434
Gm11	7789925	7790022	Gmdrm	hypo	CHG	-0.0343
Gm11	7800898	7801299	Gmdrm	hypo	CHG	-0.33
Gm11	7810152	7810245	Gmdrm	hypo	CHG	-0.7433
Gm11	7814848	7814972	Gmdrm	hypo	CHG	-0.6966
Gm11	7815180	7815418	Gmdrm	hypo	CHG	-0.7876
Gm11	7862486	7862589	Gmdrm	hypo	CHG	-0.868
Gm11	7895742	7895941	Gmdrm	hypo	CHG	-0.5654
Gm11	7912020	7912122	Gmdrm	hypo	CHG	-0.8587
Gm11	7912324	7912417	Gmdrm	hypo	CHG	-0.4617
Gm11	7912679	7912965	Gmdrm	hypo	CHG	-0.4892
Gm11	7919049	7919115	Gmdrm	hypo	CHG	-0.2
Gm11	7935593	7935835	Gmdrm	hypo	CHG	-0.4229
Gm11	7951918	7952145	Gmdrm	hypo	CHG	-0.049
Gm11	7958272	7958373	Gmdrm	hypo	CHG	-0.2417
Gm11	7958755	7958928	Gmdrm	hypo	CHG	-0.5413
Gm11	7959156	7959504	Gmdrm	hypo	CHG	-0.7321
Gm11	7960344	7960547	Gmdrm	hypo	CHG	-0.7564
Gm11	7962522	7962733	Gmdrm	hypo	CHG	-0.046
Gm11	7985976	7986082	Gmdrm	hypo	CHG	-0.4717
Gm11	7989662	7989732	Gmdrm	hypo	CHG	-0.5
Gm11	7989847	7990093	Gmdrm	hypo	CHG	-0.4194
Gm11	7990333	7990480	Gmdrm	hypo	CHG	-0.349
Gm11	7992833	7993066	Gmdrm	hypo	CHG	-0.7306
Gm11	8021191	8021241	Gmdrm	hypo	CHG	-0.7
Gm11	8046820	8046938	Gmdrm	hypo	CHG	-0.0425
Gm11	8052365	8052618	Gmdrm	hypo	CHG	-0.7654
Gm11	8066903	8067014	Gmdrm	hypo	CHG	-0.724
Gm11	8079254	8079403	Gmdrm	hypo	CHG	-0.175
Gm11	8079730	8079903	Gmdrm	hypo	CHG	-0.618
Gm11	8080182	8080303	Gmdrm	hypo	CHG	-0.8216
Gm11	8098556	8099290	Gmdrm	hypo	CHG	-0.3038
Gm11	8132275	8132462	Gmdrm	hypo	CHG	-0.0229
Gm11	8150476	8150580	Gmdrm	hypo	CHG	-0.5588
Gm11	8165281	8165373	Gmdrm	hypo	CHG	-0.1071
Gm11	8185722	8185990	Gmdrm	hypo	CHG	-0.62
Gm11	8186530	8186950	Gmdrm	hypo	CHG	-0.4327
Gm11	8187088	8187175	Gmdrm	hypo	CHG	-0.4617
Gm11	8203616	8203865	Gmdrm	hypo	CHG	-0.7687
Gm11	8204055	8204251	Gmdrm	hypo	CHG	-0.7706
Gm11	8216688	8216708	Gmdrm	hypo	CHG	-0.7267
Gm11	8221534	8221689	Gmdrm	hypo	CHG	-0.5137
Gm11	8221790	8221900	Gmdrm	hypo	CHG	-0.882

Gm11	8222429	8222517 Gmdrm	hypo	CHG	-0.365
Gm11	8222632	8222867 Gmdrm	hypo	CHG	-0.3709
Gm11	8243088	8243216 Gmdrm	hypo	CHG	-0.7183
Gm11	8244129	8244496 Gmdrm	hypo	CHG	-0.6558
Gm11	8253008	8253224 Gmdrm	hypo	CHG	-0.03
Gm11	8299747	8299815 Gmdrm	hypo	CHG	-0.3367
Gm11	8322705	8323180 Gmdrm	hypo	CHG	-0.6006
Gm11	8324760	8324878 Gmdrm	hypo	CHG	-0.052
Gm11	8337849	8338000 Gmdrm	hypo	CHG	-0.798
Gm11	8339190	8339285 Gmdrm	hypo	CHG	-0.6278
Gm11	8354418	8354715 Gmdrm	hypo	CHG	-0.0491
Gm11	8356291	8356438 Gmdrm	hypo	CHG	-0.4017
Gm11	8357272	8357432 Gmdrm	hypo	CHG	-0.6818
Gm11	8357872	8357957 Gmdrm	hypo	CHG	-0.67
Gm11	8373221	8373396 Gmdrm	hypo	CHG	-0.2828
Gm11	8383568	8384025 Gmdrm	hypo	CHG	-0.3796
Gm11	8396260	8396511 Gmdrm	hypo	CHG	-0.078
Gm11	8405471	8405608 Gmdrm	hypo	CHG	-0.625
Gm11	8405752	8406164 Gmdrm	hypo	CHG	-0.6413
Gm11	8437158	8437304 Gmdrm	hypo	CHG	-0.796
Gm11	8452040	8452246 Gmdrm	hypo	CHG	-0.0534
Gm11	8467294	8467592 Gmdrm	hypo	CHG	-0.051
Gm11	8500988	8501094 Gmdrm	hypo	CHG	-0.5014
Gm11	8501207	8501448 Gmdrm	hypo	CHG	-0.9756
Gm11	8514537	8515370 Gmdrm	hypo	CHG	-0.1637
Gm11	8524474	8524783 Gmdrm	hypo	CHG	-0.0353
Gm11	8525976	8526220 Gmdrm	hypo	CHG	-0.5107
Gm11	8526587	8526681 Gmdrm	hypo	CHG	-0.6229
Gm11	8550518	8550613 Gmdrm	hypo	CHG	-0.2088
Gm11	8558882	8559100 Gmdrm	hypo	CHG	-0.0729
Gm11	8561178	8561569 Gmdrm	hypo	CHG	-0.4465
Gm11	8561678	8562107 Gmdrm	hypo	CHG	-0.874
Gm11	8566470	8566537 Gmdrm	hypo	CHG	-0.032
Gm11	8571429	8571655 Gmdrm	hypo	CHG	-0.0334
Gm11	8575018	8575065 Gmdrm	hypo	CHG	-0.026
Gm11	8575520	8575625 Gmdrm	hypo	CHG	-0.8846
Gm11	8576714	8576880 Gmdrm	hypo	CHG	-0.4188
Gm11	8588555	8588764 Gmdrm	hypo	CHG	-0.0729
Gm11	8607186	8607450 Gmdrm	hypo	CHG	-0.0325
Gm11	8622481	8622639 Gmdrm	hypo	CHG	-0.73
Gm11	8622829	8622910 Gmdrm	hypo	CHG	-0.55
Gm11	8626163	8626539 Gmdrm	hypo	CHG	-0.0355
Gm11	8702735	8702875 Gmdrm	hypo	CHG	-0.1113
Gm11	8717187	8717592 Gmdrm	hypo	CHG	-0.035
Gm11	8721361	8721604 Gmdrm	hypo	CHG	-0.6811
Gm11	8721981	8722193 Gmdrm	hypo	CHG	-0.7946

Gm11	8726353	8726437	Gmdrm	hypo	CHG	-0.044
Gm11	8727892	8728222	Gmdrm	hypo	CHG	-0.059
Gm11	8729723	8729897	Gmdrm	hypo	CHG	-0.4433
Gm11	8745672	8746085	Gmdrm	hypo	CHG	-0.7762
Gm11	8758440	8758598	Gmdrm	hypo	CHG	-0.052
Gm11	8768487	8768564	Gmdrm	hypo	CHG	-0.4433
Gm11	8774885	8775037	Gmdrm	hypo	CHG	-0.038
Gm11	8777625	8777890	Gmdrm	hypo	CHG	-0.0327
Gm11	8787311	8787491	Gmdrm	hypo	CHG	-0.1264
Gm11	8823853	8824093	Gmdrm	hypo	CHG	-0.1939
Gm11	8831086	8831190	Gmdrm	hypo	CHG	-0.0422
Gm11	8835694	8835824	Gmdrm	hypo	CHG	-0.3867
Gm11	8847753	8847899	Gmdrm	hypo	CHG	-0.47
Gm11	8897022	8897356	Gmdrm	hypo	CHG	-0.135
Gm11	8912784	8912856	Gmdrm	hypo	CHG	-0.908
Gm11	8918061	8918491	Gmdrm	hypo	CHG	-0.6035
Gm11	8921549	8921670	Gmdrm	hypo	CHG	-0.1
Gm11	8932948	8933148	Gmdrm	hypo	CHG	-0.0557
Gm11	8942798	8943038	Gmdrm	hypo	CHG	-0.4956
Gm11	8943546	8943915	Gmdrm	hypo	CHG	-0.4292
Gm11	8986253	8986421	Gmdrm	hypo	CHG	-0.435
Gm11	8997698	8998129	Gmdrm	hypo	CHG	-0.0262
Gm11	9008184	9008441	Gmdrm	hypo	CHG	-0.036
Gm11	9031111	9031217	Gmdrm	hypo	CHG	-0.6238
Gm11	9031704	9031986	Gmdrm	hypo	CHG	-0.05
Gm11	9054478	9054633	Gmdrm	hypo	CHG	-0.0478
Gm11	9061491	9061605	Gmdrm	hypo	CHG	-0.93
Gm11	9066142	9066351	Gmdrm	hypo	CHG	-0.465
Gm11	9071013	9071236	Gmdrm	hypo	CHG	-0.325
Gm11	9071530	9071676	Gmdrm	hypo	CHG	-0.3614
Gm11	9072223	9072434	Gmdrm	hypo	CHG	-0.8131
Gm11	9081477	9082221	Gmdrm	hypo	CHG	-0.715
Gm11	9086164	9086476	Gmdrm	hypo	CHG	-0.0478
Gm11	9131959	9132147	Gmdrm	hypo	CHG	-0.765
Gm11	9146182	9146302	Gmdrm	hypo	CHG	-0.4001
Gm11	9208278	9208460	Gmdrm	hypo	CHG	-0.59
Gm11	9210662	9210756	Gmdrm	hypo	CHG	-0.4334
Gm11	9210866	9211058	Gmdrm	hypo	CHG	-0.4801
Gm11	9213920	9214046	Gmdrm	hypo	CHG	-0.036
Gm11	9214264	9214360	Gmdrm	hypo	CHG	-0.4033
Gm11	9215342	9215731	Gmdrm	hypo	CHG	-0.4347
Gm11	9215898	9216155	Gmdrm	hypo	CHG	-0.8444
Gm11	9226006	9226047	Gmdrm	hypo	CHG	-0.505
Gm11	9233784	9233960	Gmdrm	hypo	CHG	-0.4
Gm11	9235519	9235695	Gmdrm	hypo	CHG	-0.6813
Gm11	9236036	9236103	Gmdrm	hypo	CHG	-0.8128

Gm11	9242934	9242958 Gmdrm	hypo	CHG	-0.75
Gm11	9243765	9243914 Gmdrm	hypo	CHG	-0.565
Gm11	9245023	9245219 Gmdrm	hypo	CHG	-0.8894
Gm11	9265100	9265269 Gmdrm	hypo	CHG	-0.6682
Gm11	9279017	9279602 Gmdrm	hypo	CHG	-0.8779
Gm11	9286766	9286926 Gmdrm	hypo	CHG	-0.0267
Gm11	9319879	9319985 Gmdrm	hypo	CHG	-0.05
Gm11	9323784	9323877 Gmdrm	hypo	CHG	-0.5371
Gm11	9328071	9328122 Gmdrm	hypo	CHG	-0.28
Gm11	9333483	9333574 Gmdrm	hypo	CHG	-0.8123
Gm11	9334192	9334244 Gmdrm	hypo	CHG	-0.0267
Gm11	9335697	9336154 Gmdrm	hypo	CHG	-0.7484
Gm11	9343553	9343606 Gmdrm	hypo	CHG	-0.022
Gm11	9348914	9348937 Gmdrm	hypo	CHG	-0.05
Gm11	9362039	9362460 Gmdrm	hypo	CHG	-0.0333
Gm11	9365625	9365767 Gmdrm	hypo	CHG	-0.036
Gm11	9366745	9367009 Gmdrm	hypo	CHG	-0.04
Gm11	9367271	9367627 Gmdrm	hypo	CHG	-0.2725
Gm11	9368366	9368485 Gmdrm	hypo	CHG	-0.7312
Gm11	9402147	9402166 Gmdrm	hypo	CHG	-0.812
Gm11	9402613	9403587 Gmdrm	hypo	CHG	-0.2173
Gm11	9424782	9425116 Gmdrm	hypo	CHG	-0.3547
Gm11	9433344	9433625 Gmdrm	hypo	CHG	-0.2605
Gm11	9437791	9438265 Gmdrm	hypo	CHG	-0.2369
Gm11	9441525	9441579 Gmdrm	hypo	CHG	-0.6117
Gm11	9450424	9450606 Gmdrm	hypo	CHG	-0.865
Gm11	9459027	9459947 Gmdrm	hypo	CHG	-0.1563
Gm11	9470665	9470932 Gmdrm	hypo	CHG	-0.0275
Gm11	9474199	9474406 Gmdrm	hypo	CHG	-0.453
Gm11	9474647	9474789 Gmdrm	hypo	CHG	-0.903
Gm11	9503971	9504233 Gmdrm	hypo	CHG	-0.459
Gm11	9504612	9504838 Gmdrm	hypo	CHG	-0.52
Gm11	9505247	9505390 Gmdrm	hypo	CHG	-0.6334
Gm11	9505562	9505758 Gmdrm	hypo	CHG	-0.7274
Gm11	9505868	9506044 Gmdrm	hypo	CHG	-0.8
Gm11	9512001	9512364 Gmdrm	hypo	CHG	-0.03
Gm11	9516150	9516356 Gmdrm	hypo	CHG	-0.024
Gm11	9535439	9535621 Gmdrm	hypo	CHG	-0.5289
Gm11	9535904	9536235 Gmdrm	hypo	CHG	-0.6244
Gm11	9538055	9538205 Gmdrm	hypo	CHG	-0.673
Gm11	9541658	9541827 Gmdrm	hypo	CHG	-0.0386
Gm11	9542783	9542970 Gmdrm	hypo	CHG	-0.2277
Gm11	9544652	9544894 Gmdrm	hypo	CHG	-0.4314
Gm11	9555737	9555792 Gmdrm	hypo	CHG	-0.066
Gm11	9596589	9596665 Gmdrm	hypo	CHG	-0.064
Gm11	9599391	9599562 Gmdrm	hypo	CHG	-0.6733

Gm11	9606694	9607233	Gmdrm	hypo	CHG	-0.54
Gm11	9607348	9607483	Gmdrm	hypo	CHG	-0.036
Gm11	9613005	9613169	Gmdrm	hypo	CHG	-0.0979
Gm11	9621463	9621638	Gmdrm	hypo	CHG	-0.81
Gm11	9640295	9640356	Gmdrm	hypo	CHG	-0.125
Gm11	9650297	9650423	Gmdrm	hypo	CHG	-0.064
Gm11	9656877	9657236	Gmdrm	hypo	CHG	-0.029
Gm11	9659707	9659783	Gmdrm	hypo	CHG	-0.7517
Gm11	9660983	9661196	Gmdrm	hypo	CHG	-0.775
Gm11	9674452	9674508	Gmdrm	hypo	CHG	-0.29
Gm11	9681645	9681727	Gmdrm	hypo	CHG	-0.518
Gm11	9690223	9690331	Gmdrm	hypo	CHG	-0.7187
Gm11	9698642	9698904	Gmdrm	hypo	CHG	-0.0334
Gm11	9713061	9713333	Gmdrm	hypo	CHG	-0.05
Gm11	9748993	9749162	Gmdrm	hypo	CHG	-0.556
Gm11	9755055	9755228	Gmdrm	hypo	CHG	-0.64
Gm11	9772527	9772665	Gmdrm	hypo	CHG	-0.08
Gm11	9789937	9789980	Gmdrm	hypo	CHG	-0.3833
Gm11	9831373	9831490	Gmdrm	hypo	CHG	-0.8938
Gm11	9848210	9848480	Gmdrm	hypo	CHG	-0.45
Gm11	9848793	9848963	Gmdrm	hypo	CHG	-0.3545
Gm11	9849186	9849383	Gmdrm	hypo	CHG	-0.6133
Gm11	9861201	9861751	Gmdrm	hypo	CHG	-0.1467
Gm11	9864956	9865185	Gmdrm	hypo	CHG	-0.0492
Gm11	9872913	9873063	Gmdrm	hypo	CHG	-0.0383
Gm11	9914252	9914348	Gmdrm	hypo	CHG	-0.2517
Gm11	9933446	9933567	Gmdrm	hypo	CHG	-0.0429
Gm11	9968693	9968936	Gmdrm	hypo	CHG	-0.8945
Gm11	9976298	9976389	Gmdrm	hypo	CHG	-0.09
Gm11	9978999	9979160	Gmdrm	hypo	CHG	-0.4475
Gm11	9979738	9979947	Gmdrm	hypo	CHG	-0.877
Gm11	9980339	9980425	Gmdrm	hypo	CHG	-0.87
Gm11	9993920	9993993	Gmdrm	hypo	CHG	-0.772
Gm11	9998237	9998431	Gmdrm	hypo	CHG	-0.5789
Gm11	9998717	9999066	Gmdrm	hypo	CHG	-0.4321
Gm11	9999331	9999725	Gmdrm	hypo	CHG	-0.5304
Gm11	9999833	10000070	Gmdrm	hypo	CHG	-0.6446
Gm11	10017850	10018173	Gmdrm	hypo	CHG	-0.8185
Gm11	10023385	10023558	Gmdrm	hypo	CHG	-0.044
Gm11	10032564	10032705	Gmdrm	hypo	CHG	-0.0317
Gm11	10041022	10041062	Gmdrm	hypo	CHG	-0.105
Gm11	10043456	10043531	Gmdrm	hypo	CHG	-0.2466
Gm11	10049542	10049636	Gmdrm	hypo	CHG	-0.205
Gm11	10063448	10063718	Gmdrm	hypo	CHG	-0.695
Gm11	10063825	10064000	Gmdrm	hypo	CHG	-0.655
Gm11	10064266	10064745	Gmdrm	hypo	CHG	-0.4626

Gm11	10065000	10065242	Gmdrm	hypo	CHG	-0.5584
Gm11	10068810	10068904	Gmdrm	hypo	CHG	-0.05
Gm11	10069345	10069706	Gmdrm	hypo	CHG	-0.3459
Gm11	10075154	10075306	Gmdrm	hypo	CHG	-0.3409
Gm11	10098293	10098352	Gmdrm	hypo	CHG	-0.7467
Gm11	10112708	10112840	Gmdrm	hypo	CHG	-0.048
Gm11	10118795	10119084	Gmdrm	hypo	CHG	-0.3416
Gm11	10131561	10131857	Gmdrm	hypo	CHG	-0.6137
Gm11	10145733	10145942	Gmdrm	hypo	CHG	-0.6588
Gm11	10146088	10146696	Gmdrm	hypo	CHG	-0.4728
Gm11	10149861	10149981	Gmdrm	hypo	CHG	-0.61
Gm11	10150083	10150391	Gmdrm	hypo	CHG	-0.4154
Gm11	10151333	10151647	Gmdrm	hypo	CHG	-0.3166
Gm11	10159859	10159991	Gmdrm	hypo	CHG	-0.084
Gm11	10161254	10161313	Gmdrm	hypo	CHG	-0.5085
Gm11	10166328	10166869	Gmdrm	hypo	CHG	-0.5208
Gm11	10181555	10181961	Gmdrm	hypo	CHG	-0.038
Gm11	10184475	10184562	Gmdrm	hypo	CHG	-0.0633
Gm11	10187935	10188134	Gmdrm	hypo	CHG	-0.035
Gm11	10207532	10207601	Gmdrm	hypo	CHG	-0.218
Gm11	10207738	10207799	Gmdrm	hypo	CHG	-0.226
Gm11	10209037	10209202	Gmdrm	hypo	CHG	-0.1614
Gm11	10212667	10213607	Gmdrm	hypo	CHG	-0.2605
Gm11	10231685	10231749	Gmdrm	hypo	CHG	-0.2788
Gm11	10242265	10242775	Gmdrm	hypo	CHG	-0.2746
Gm11	10244396	10244849	Gmdrm	hypo	CHG	-0.3967
Gm11	10245159	10245187	Gmdrm	hypo	CHG	-0.3116
Gm11	10245756	10246112	Gmdrm	hypo	CHG	-0.4445
Gm11	10251381	10251659	Gmdrm	hypo	CHG	-0.0567
Gm11	10315243	10315627	Gmdrm	hypo	CHG	-0.0475
Gm11	10317829	10317954	Gmdrm	hypo	CHG	-0.385
Gm11	10322790	10322914	Gmdrm	hypo	CHG	-0.032
Gm11	10329878	10329957	Gmdrm	hypo	CHG	-0.211
Gm11	10330060	10330127	Gmdrm	hypo	CHG	-0.2216
Gm11	10330393	10330490	Gmdrm	hypo	CHG	-0.8
Gm11	10360670	10360836	Gmdrm	hypo	CHG	-0.7143
Gm11	10368832	10369082	Gmdrm	hypo	CHG	-0.0666
Gm11	10384949	10385220	Gmdrm	hypo	CHG	-0.34
Gm11	10402691	10403216	Gmdrm	hypo	CHG	-0.1687
Gm11	10405207	10405680	Gmdrm	hypo	CHG	-0.4905
Gm11	10418735	10418927	Gmdrm	hypo	CHG	-0.4836
Gm11	10419953	10420231	Gmdrm	hypo	CHG	-0.32
Gm11	10432385	10432503	Gmdrm	hypo	CHG	-0.0267
Gm11	10437296	10437466	Gmdrm	hypo	CHG	-0.4408
Gm11	10438555	10438700	Gmdrm	hypo	CHG	-0.6022
Gm11	10447482	10447551	Gmdrm	hypo	CHG	-0.61

Gm11	10466155	10466554	Gmdrm	hypo	CHG	-0.028
Gm11	10479483	10479632	Gmdrm	hypo	CHG	-0.042
Gm11	10494118	10494144	Gmdrm	hypo	CHG	-0.036
Gm11	10519059	10519235	Gmdrm	hypo	CHG	-0.83
Gm11	10519519	10519682	Gmdrm	hypo	CHG	-0.619
Gm11	10537859	10538198	Gmdrm	hypo	CHG	-0.0564
Gm11	10540770	10540870	Gmdrm	hypo	CHG	-0.8138
Gm11	10541036	10541242	Gmdrm	hypo	CHG	-0.815
Gm11	10550855	10550944	Gmdrm	hypo	CHG	-0.565
Gm11	10559329	10559714	Gmdrm	hypo	CHG	-0.7013
Gm11	10560388	10560844	Gmdrm	hypo	CHG	-0.645
Gm11	10635665	10635921	Gmdrm	hypo	CHG	-0.3172
Gm11	10640180	10640252	Gmdrm	hypo	CHG	-0.1517
Gm11	10676102	10676158	Gmdrm	hypo	CHG	-0.0862
Gm11	10679129	10679210	Gmdrm	hypo	CHG	-0.3017
Gm11	10688619	10689582	Gmdrm	hypo	CHG	-0.2173
Gm11	10702844	10702983	Gmdrm	hypo	CHG	-0.03
Gm11	10703239	10703485	Gmdrm	hypo	CHG	-0.8686
Gm11	10714673	10714852	Gmdrm	hypo	CHG	-0.7566
Gm11	10727527	10727558	Gmdrm	hypo	CHG	-0.885
Gm11	10728105	10728318	Gmdrm	hypo	CHG	-0.375
Gm11	10729280	10729514	Gmdrm	hypo	CHG	-0.4875
Gm11	10730418	10730535	Gmdrm	hypo	CHG	-0.646
Gm11	10745660	10745793	Gmdrm	hypo	CHG	-0.7229
Gm11	10760357	10760647	Gmdrm	hypo	CHG	-0.5713
Gm11	10779046	10779163	Gmdrm	hypo	CHG	-0.6088
Gm11	10779297	10779684	Gmdrm	hypo	CHG	-0.1739
Gm11	10786296	10786605	Gmdrm	hypo	CHG	-0.0362
Gm11	10788211	10788618	Gmdrm	hypo	CHG	-0.5706
Gm11	10789152	10789459	Gmdrm	hypo	CHG	-0.9114
Gm11	10809106	10809245	Gmdrm	hypo	CHG	-0.8825
Gm11	10809999	10810268	Gmdrm	hypo	CHG	-0.2777
Gm11	10814815	10814893	Gmdrm	hypo	CHG	-0.034
Gm11	10818914	10819317	Gmdrm	hypo	CHG	-0.6595
Gm11	10819670	10819755	Gmdrm	hypo	CHG	-0.8233
Gm11	10831593	10831825	Gmdrm	hypo	CHG	-0.2391
Gm11	10860114	10860331	Gmdrm	hypo	CHG	-0.512
Gm11	10879577	10879822	Gmdrm	hypo	CHG	-0.818
Gm11	10882467	10882668	Gmdrm	hypo	CHG	-0.3714
Gm11	10885115	10885267	Gmdrm	hypo	CHG	-0.3663
Gm11	10905224	10905517	Gmdrm	hypo	CHG	-0.4625
Gm11	10914726	10914837	Gmdrm	hypo	CHG	-0.06
Gm11	10915009	10915627	Gmdrm	hypo	CHG	-0.7704
Gm11	10931521	10932517	Gmdrm	hypo	CHG	-0.5668
Gm11	10932550	10932896	Gmdrm	hypo	CHG	-0.6084
Gm11	10933021	10934007	Gmdrm	hypo	CHG	-0.1514

Gm11	10934081	10934361	Gmdrm	hypo	CHG	-0.1311
Gm11	10942998	10943323	Gmdrm	hypo	CHG	-0.252
Gm11	10943462	10943667	Gmdrm	hypo	CHG	-0.042
Gm11	10979653	10979699	Gmdrm	hypo	CHG	-0.6875
Gm11	10979845	10980766	Gmdrm	hypo	CHG	-0.4225
Gm11	10981237	10981362	Gmdrm	hypo	CHG	-0.2318
Gm11	10983685	10983816	Gmdrm	hypo	CHG	-0.575
Gm11	10983961	10984240	Gmdrm	hypo	CHG	-0.3684
Gm11	10985038	10985270	Gmdrm	hypo	CHG	-0.3432
Gm11	11000934	11001713	Gmdrm	hypo	CHG	-0.1657
Gm11	11002114	11002473	Gmdrm	hypo	CHG	-0.6831
Gm11	11002678	11002914	Gmdrm	hypo	CHG	-0.522
Gm11	11006304	11006407	Gmdrm	hypo	CHG	-0.475
Gm11	11016224	11016347	Gmdrm	hypo	CHG	-0.7629
Gm11	11016526	11016573	Gmdrm	hypo	CHG	-0.6711
Gm11	11017566	11018158	Gmdrm	hypo	CHG	-0.4448
Gm11	11043745	11043877	Gmdrm	hypo	CHG	-0.0329
Gm11	11061711	11061769	Gmdrm	hypo	CHG	-0.5067
Gm11	11062875	11063128	Gmdrm	hypo	CHG	-0.1882
Gm11	11074609	11074910	Gmdrm	hypo	CHG	-0.3886
Gm11	11116381	11116592	Gmdrm	hypo	CHG	-0.066
Gm11	11132023	11132292	Gmdrm	hypo	CHG	-0.0429
Gm11	11134715	11135240	Gmdrm	hypo	CHG	-0.056
Gm11	11151300	11151544	Gmdrm	hypo	CHG	-0.685
Gm11	11156207	11156427	Gmdrm	hypo	CHG	-0.5526
Gm11	11160507	11160615	Gmdrm	hypo	CHG	-0.0366
Gm11	11161722	11161747	Gmdrm	hypo	CHG	-0.7983
Gm11	11162293	11162510	Gmdrm	hypo	CHG	-0.672
Gm11	11165063	11165091	Gmdrm	hypo	CHG	-0.7967
Gm11	11175803	11175933	Gmdrm	hypo	CHG	-0.034
Gm11	11179206	11179262	Gmdrm	hypo	CHG	-0.838
Gm11	11179526	11179656	Gmdrm	hypo	CHG	-0.8567
Gm11	11194659	11194937	Gmdrm	hypo	CHG	-0.0433
Gm11	11235062	11235177	Gmdrm	hypo	CHG	-0.9433
Gm11	11269135	11269499	Gmdrm	hypo	CHG	-0.0389
Gm11	11283513	11283574	Gmdrm	hypo	CHG	-0.3515
Gm11	11287012	11287132	Gmdrm	hypo	CHG	-0.9369
Gm11	11292648	11292674	Gmdrm	hypo	CHG	-0.6467
Gm11	11292781	11292913	Gmdrm	hypo	CHG	-0.7022
Gm11	11295575	11295697	Gmdrm	hypo	CHG	-0.5144
Gm11	11305578	11305956	Gmdrm	hypo	CHG	-0.7655
Gm11	11337434	11337641	Gmdrm	hypo	CHG	-0.5171
Gm11	11346897	11347057	Gmdrm	hypo	CHG	-0.0267
Gm11	11363130	11363230	Gmdrm	hypo	CHG	-0.05
Gm11	11366330	11366748	Gmdrm	hypo	CHG	-0.5837
Gm11	11380768	11381218	Gmdrm	hypo	CHG	-0.035

Gm11	11387920	11388032	Gmdrm	hypo	CHG	-0.0383
Gm11	11389558	11389706	Gmdrm	hypo	CHG	-0.096
Gm11	11391595	11392366	Gmdrm	hypo	CHG	-0.1663
Gm11	11401708	11401937	Gmdrm	hypo	CHG	-0.0425
Gm11	11415421	11415487	Gmdrm	hypo	CHG	-0.054
Gm11	11440301	11440788	Gmdrm	hypo	CHG	-0.2138
Gm11	11441402	11441452	Gmdrm	hypo	CHG	-0.1382
Gm11	11455542	11455632	Gmdrm	hypo	CHG	-0.3563
Gm11	11456363	11456393	Gmdrm	hypo	CHG	-0.175
Gm11	11457582	11457715	Gmdrm	hypo	CHG	-0.8007
Gm11	11457857	11458058	Gmdrm	hypo	CHG	-0.0634
Gm11	11499791	11499963	Gmdrm	hypo	CHG	-0.585
Gm11	11503789	11504216	Gmdrm	hypo	CHG	-0.0345
Gm11	11528354	11528490	Gmdrm	hypo	CHG	-0.3414
Gm11	11568875	11568992	Gmdrm	hypo	CHG	-0.08
Gm11	11570372	11570484	Gmdrm	hypo	CHG	-0.6584
Gm11	11572477	11572713	Gmdrm	hypo	CHG	-0.7575
Gm11	11575007	11575196	Gmdrm	hypo	CHG	-0.048
Gm11	11594096	11594150	Gmdrm	hypo	CHG	-0.7457
Gm11	11607079	11607222	Gmdrm	hypo	CHG	-0.912
Gm11	11607329	11607433	Gmdrm	hypo	CHG	-0.62
Gm11	11611854	11612099	Gmdrm	hypo	CHG	-0.22
Gm11	11612236	11612835	Gmdrm	hypo	CHG	-0.19
Gm11	11624108	11624232	Gmdrm	hypo	CHG	-0.092
Gm11	11668900	11669054	Gmdrm	hypo	CHG	-0.1314
Gm11	11679222	11679493	Gmdrm	hypo	CHG	-0.5014
Gm11	11695208	11695336	Gmdrm	hypo	CHG	-0.058
Gm11	11698282	11698363	Gmdrm	hypo	CHG	-0.4833
Gm11	11699019	11699081	Gmdrm	hypo	CHG	-0.5283
Gm11	11700519	11700788	Gmdrm	hypo	CHG	-0.2467
Gm11	11711207	11711392	Gmdrm	hypo	CHG	-0.3546
Gm11	11717847	11718842	Gmdrm	hypo	CHG	-0.3043
Gm11	11728639	11728836	Gmdrm	hypo	CHG	-0.054
Gm11	11784995	11785441	Gmdrm	hypo	CHG	-0.0361
Gm11	11786705	11786811	Gmdrm	hypo	CHG	-0.352
Gm11	11787404	11787546	Gmdrm	hypo	CHG	-0.4594
Gm11	11815156	11815337	Gmdrm	hypo	CHG	-0.1837
Gm11	11818998	11819368	Gmdrm	hypo	CHG	-0.4804
Gm11	11819539	11819566	Gmdrm	hypo	CHG	-0.3267
Gm11	11850076	11850330	Gmdrm	hypo	CHG	-0.043
Gm11	11869049	11869212	Gmdrm	hypo	CHG	-0.754
Gm11	11870460	11870491	Gmdrm	hypo	CHG	-0.2083
Gm11	11870596	11870684	Gmdrm	hypo	CHG	-0.574
Gm11	11871154	11871502	Gmdrm	hypo	CHG	-0.3453
Gm11	11903686	11903705	Gmdrm	hypo	CHG	-0.2457
Gm11	11922114	11922535	Gmdrm	hypo	CHG	-0.8556

Gm11	11922717	11922970	Gmdrm	hypo	CHG	-0.0283
Gm11	11924655	11925003	Gmdrm	hypo	CHG	-0.823
Gm11	11925174	11925238	Gmdrm	hypo	CHG	-0.8766
Gm11	11928290	11928596	Gmdrm	hypo	CHG	-0.0657
Gm11	11946246	11946465	Gmdrm	hypo	CHG	-0.4133
Gm11	11946619	11946722	Gmdrm	hypo	CHG	-0.915
Gm11	11964816	11965109	Gmdrm	hypo	CHG	-0.37
Gm11	11971549	11971653	Gmdrm	hypo	CHG	-0.535
Gm11	11974566	11974742	Gmdrm	hypo	CHG	-0.465
Gm11	11975427	11975570	Gmdrm	hypo	CHG	-0.6675
Gm11	11978320	11978394	Gmdrm	hypo	CHG	-0.7166
Gm11	11980778	11981702	Gmdrm	hypo	CHG	-0.1344
Gm11	11981792	11982202	Gmdrm	hypo	CHG	-0.2633
Gm11	11982326	11983293	Gmdrm	hypo	CHG	-0.3841
Gm11	11988415	11988849	Gmdrm	hypo	CHG	-0.0928
Gm11	11988989	11989190	Gmdrm	hypo	CHG	-0.3462
Gm11	11991527	11991991	Gmdrm	hypo	CHG	-0.2919
Gm11	11999948	12000550	Gmdrm	hypo	CHG	-0.4264
Gm11	12000710	12001290	Gmdrm	hypo	CHG	-0.2446
Gm11	12001580	12001726	Gmdrm	hypo	CHG	-0.1
Gm11	12003457	12003597	Gmdrm	hypo	CHG	-0.2754
Gm11	12007131	12007480	Gmdrm	hypo	CHG	-0.127
Gm11	12007666	12008000	Gmdrm	hypo	CHG	-0.4043
Gm11	12014316	12014383	Gmdrm	hypo	CHG	-0.7988
Gm11	12054883	12055067	Gmdrm	hypo	CHG	-0.6017
Gm11	12064097	12064368	Gmdrm	hypo	CHG	-0.1205
Gm11	12064558	12064601	Gmdrm	hypo	CHG	-0.5133
Gm11	12064924	12065382	Gmdrm	hypo	CHG	-0.2647
Gm11	12067997	12068406	Gmdrm	hypo	CHG	-0.3624
Gm11	12085567	12085776	Gmdrm	hypo	CHG	-0.0575
Gm11	12087387	12087644	Gmdrm	hypo	CHG	-0.4583
Gm11	12087947	12088196	Gmdrm	hypo	CHG	-0.0442
Gm11	12089500	12089879	Gmdrm	hypo	CHG	-0.3221
Gm11	12090132	12090766	Gmdrm	hypo	CHG	-0.4746
Gm11	12096509	12096669	Gmdrm	hypo	CHG	-0.7615
Gm11	12097625	12097813	Gmdrm	hypo	CHG	-0.0487
Gm11	12213768	12213905	Gmdrm	hypo	CHG	-0.042
Gm11	12279697	12279915	Gmdrm	hypo	CHG	-0.0525
Gm11	12287809	12288804	Gmdrm	hypo	CHG	-0.2782
Gm11	12289458	12289783	Gmdrm	hypo	CHG	-0.2552
Gm11	12291737	12291867	Gmdrm	hypo	CHG	-0.317
Gm11	12360107	12360278	Gmdrm	hypo	CHG	-0.0275
Gm11	12366123	12366227	Gmdrm	hypo	CHG	-0.1559
Gm11	12366340	12366527	Gmdrm	hypo	CHG	-0.1989
Gm11	12370609	12370771	Gmdrm	hypo	CHG	-0.072
Gm11	12375919	12376138	Gmdrm	hypo	CHG	-0.3527

Gm11	12376275	12377234	Gmdrm	hypo	CHG	-0.1216
Gm11	12377304	12378100	Gmdrm	hypo	CHG	-0.1786
Gm11	12380469	12380881	Gmdrm	hypo	CHG	-0.0337
Gm11	12381000	12381075	Gmdrm	hypo	CHG	-0.2025
Gm11	12382135	12382267	Gmdrm	hypo	CHG	-0.0383
Gm11	12389748	12389904	Gmdrm	hypo	CHG	-0.1983
Gm11	12425922	12425979	Gmdrm	hypo	CHG	-0.3528
Gm11	12431062	12431267	Gmdrm	hypo	CHG	-0.469
Gm11	12504122	12504190	Gmdrm	hypo	CHG	-0.0583
Gm11	12555335	12555836	Gmdrm	hypo	CHG	-0.2609
Gm11	12556108	12556310	Gmdrm	hypo	CHG	-0.1429
Gm11	12579211	12579329	Gmdrm	hypo	CHG	-0.4557
Gm11	12579727	12579831	Gmdrm	hypo	CHG	-0.3
Gm11	12648931	12648994	Gmdrm	hypo	CHG	-0.788
Gm11	12775032	12775116	Gmdrm	hypo	CHG	-0.0457
Gm11	12789079	12789352	Gmdrm	hypo	CHG	-0.2593
Gm11	12791085	12791819	Gmdrm	hypo	CHG	-0.1716
Gm11	12907190	12907286	Gmdrm	hypo	CHG	-0.762
Gm11	13102172	13102301	Gmdrm	hypo	CHG	-0.6925
Gm11	13102709	13102973	Gmdrm	hypo	CHG	-0.2892
Gm11	13105022	13105308	Gmdrm	hypo	CHG	-0.5137
Gm11	13117377	13117411	Gmdrm	hypo	CHG	-0.16
Gm11	13149991	13150054	Gmdrm	hypo	CHG	-0.6728
Gm11	13150265	13150339	Gmdrm	hypo	CHG	-0.649
Gm11	13186535	13186640	Gmdrm	hypo	CHG	-0.4
Gm11	13186836	13186970	Gmdrm	hypo	CHG	-0.5771
Gm11	13208892	13209027	Gmdrm	hypo	CHG	-0.1629
Gm11	13384852	13384909	Gmdrm	hypo	CHG	-0.854
Gm11	13388887	13389348	Gmdrm	hypo	CHG	-0.2041
Gm11	13512427	13512821	Gmdrm	hypo	CHG	-0.2454
Gm11	13518379	13518470	Gmdrm	hypo	CHG	-0.534
Gm11	13654616	13654637	Gmdrm	hypo	CHG	-0.1
Gm11	13659803	13660180	Gmdrm	hypo	CHG	-0.4172
Gm11	13830759	13830912	Gmdrm	hypo	CHG	-0.5483
Gm11	13833025	13833469	Gmdrm	hypo	CHG	-0.4136
Gm11	13833744	13833834	Gmdrm	hypo	CHG	-0.8987
Gm11	13868175	13868195	Gmdrm	hypo	CHG	-0.6217
Gm11	14047286	14047558	Gmdrm	hypo	CHG	-0.5418
Gm11	14087844	14088002	Gmdrm	hypo	CHG	-0.41
Gm11	14118908	14119009	Gmdrm	hypo	CHG	-0.5915
Gm11	14136185	14136676	Gmdrm	hypo	CHG	-0.278
Gm11	14322900	14323042	Gmdrm	hypo	CHG	-0.175
Gm11	14336722	14337187	Gmdrm	hypo	CHG	-0.1091
Gm11	14358169	14358340	Gmdrm	hypo	CHG	-0.4029
Gm11	14377801	14378348	Gmdrm	hypo	CHG	-0.3984
Gm11	14378979	14379178	Gmdrm	hypo	CHG	-0.75

Gm11	14386989	14387352	Gmdrm	hypo	CHG	-0.3866
Gm11	14391582	14392066	Gmdrm	hypo	CHG	-0.164
Gm11	14392321	14392426	Gmdrm	hypo	CHG	-0.46
Gm11	14392566	14392692	Gmdrm	hypo	CHG	-0.856
Gm11	14395727	14395912	Gmdrm	hypo	CHG	-0.6514
Gm11	14396076	14396125	Gmdrm	hypo	CHG	-0.326
Gm11	14396390	14396504	Gmdrm	hypo	CHG	-0.0757
Gm11	14401210	14401524	Gmdrm	hypo	CHG	-0.5271
Gm11	14409083	14409324	Gmdrm	hypo	CHG	-0.447
Gm11	14437615	14438129	Gmdrm	hypo	CHG	-0.4772
Gm11	14438276	14438300	Gmdrm	hypo	CHG	-0.7383
Gm11	14439733	14440040	Gmdrm	hypo	CHG	-0.2864
Gm11	14456466	14456744	Gmdrm	hypo	CHG	-0.3667
Gm11	14457393	14457549	Gmdrm	hypo	CHG	-0.1987
Gm11	14462670	14462771	Gmdrm	hypo	CHG	-0.82
Gm11	14465079	14465289	Gmdrm	hypo	CHG	-0.6238
Gm11	14478439	14478767	Gmdrm	hypo	CHG	-0.6754
Gm11	14481031	14481212	Gmdrm	hypo	CHG	-0.8321
Gm11	14481872	14481965	Gmdrm	hypo	CHG	-0.3563
Gm11	14482152	14482358	Gmdrm	hypo	CHG	-0.5836
Gm11	14482874	14483079	Gmdrm	hypo	CHG	-0.4578
Gm11	14484739	14485188	Gmdrm	hypo	CHG	-0.193
Gm11	14486327	14486483	Gmdrm	hypo	CHG	-0.668
Gm11	14498858	14499112	Gmdrm	hypo	CHG	-0.3623
Gm11	14501060	14501180	Gmdrm	hypo	CHG	-0.7417
Gm11	14520983	14521116	Gmdrm	hypo	CHG	-0.4325
Gm11	14529138	14529487	Gmdrm	hypo	CHG	-0.886
Gm11	14529613	14529744	Gmdrm	hypo	CHG	-0.7172
Gm11	14529860	14530124	Gmdrm	hypo	CHG	-0.4723
Gm11	14549327	14549569	Gmdrm	hypo	CHG	-0.0817
Gm11	14551408	14551547	Gmdrm	hypo	CHG	-0.052
Gm11	14557399	14557793	Gmdrm	hypo	CHG	-0.3854
Gm11	14561838	14561984	Gmdrm	hypo	CHG	-0.4563
Gm11	14564871	14564991	Gmdrm	hypo	CHG	-0.5275
Gm11	14567484	14567848	Gmdrm	hypo	CHG	-0.3418
Gm11	14567951	14568107	Gmdrm	hypo	CHG	-0.9357
Gm11	14573747	14573867	Gmdrm	hypo	CHG	-0.2875
Gm11	14574336	14574538	Gmdrm	hypo	CHG	-0.2145
Gm11	14605106	14605136	Gmdrm	hypo	CHG	-0.702
Gm11	14605544	14605707	Gmdrm	hypo	CHG	-0.886
Gm11	14612814	14612981	Gmdrm	hypo	CHG	-0.4892
Gm11	14621267	14621470	Gmdrm	hypo	CHG	-0.0313
Gm11	14631275	14631451	Gmdrm	hypo	CHG	-0.662
Gm11	14632881	14633088	Gmdrm	hypo	CHG	-0.5166
Gm11	14703805	14704107	Gmdrm	hypo	CHG	-0.3542
Gm11	14704241	14704638	Gmdrm	hypo	CHG	-0.3911

Gm11	14709707	14709758	Gmdrm	hypo	CHG	-0.6866
Gm11	14734376	14734504	Gmdrm	hypo	CHG	-0.5329
Gm11	14762124	14762192	Gmdrm	hypo	CHG	-0.6212
Gm11	14772235	14772407	Gmdrm	hypo	CHG	-0.32
Gm11	14819939	14820038	Gmdrm	hypo	CHG	-0.725
Gm11	14820242	14820448	Gmdrm	hypo	CHG	-0.2755
Gm11	14820670	14820782	Gmdrm	hypo	CHG	-0.3893
Gm11	14890234	14890503	Gmdrm	hypo	CHG	-0.6362
Gm11	14921088	14921124	Gmdrm	hypo	CHG	-0.684
Gm11	14955732	14955865	Gmdrm	hypo	CHG	-0.28
Gm11	14956373	14956587	Gmdrm	hypo	CHG	-0.5418
Gm11	14958127	14958382	Gmdrm	hypo	CHG	-0.5082
Gm11	14958517	14958648	Gmdrm	hypo	CHG	-0.3743
Gm11	14966664	14967043	Gmdrm	hypo	CHG	-0.3028
Gm11	14967583	14967744	Gmdrm	hypo	CHG	-0.7886
Gm11	14976953	14977012	Gmdrm	hypo	CHG	-0.905
Gm11	14977214	14977267	Gmdrm	hypo	CHG	-0.854
Gm11	14993004	14993105	Gmdrm	hypo	CHG	-0.534
Gm11	14993281	14993379	Gmdrm	hypo	CHG	-0.67
Gm11	14994676	14994881	Gmdrm	hypo	CHG	-0.5242
Gm11	15016680	15017159	Gmdrm	hypo	CHG	-0.4331
Gm11	15017356	15017551	Gmdrm	hypo	CHG	-0.5892
Gm11	15022397	15022579	Gmdrm	hypo	CHG	-0.5456
Gm11	15023309	15023409	Gmdrm	hypo	CHG	-0.0386
Gm11	15023615	15023860	Gmdrm	hypo	CHG	-0.7179
Gm11	15026940	15027473	Gmdrm	hypo	CHG	-0.1305
Gm11	15031717	15031888	Gmdrm	hypo	CHG	-0.0683
Gm11	15038390	15038506	Gmdrm	hypo	CHG	-0.4116
Gm11	15039366	15039407	Gmdrm	hypo	CHG	-0.4217
Gm11	15050013	15050185	Gmdrm	hypo	CHG	-0.38
Gm11	15056624	15056677	Gmdrm	hypo	CHG	-0.942
Gm11	15058175	15058267	Gmdrm	hypo	CHG	-0.4814
Gm11	15066005	15066249	Gmdrm	hypo	CHG	-0.0588
Gm11	15066707	15066723	Gmdrm	hypo	CHG	-0.124
Gm11	15068413	15068521	Gmdrm	hypo	CHG	-0.8187
Gm11	15068662	15068758	Gmdrm	hypo	CHG	-0.408
Gm11	15087004	15087035	Gmdrm	hypo	CHG	-0.83
Gm11	15087335	15087498	Gmdrm	hypo	CHG	-0.41
Gm11	15109295	15109601	Gmdrm	hypo	CHG	-0.0833
Gm11	15117014	15117181	Gmdrm	hypo	CHG	-0.04
Gm11	15122750	15122844	Gmdrm	hypo	CHG	-0.748
Gm11	15122962	15123091	Gmdrm	hypo	CHG	-0.722
Gm11	15123270	15123345	Gmdrm	hypo	CHG	-0.7467
Gm11	15136808	15136879	Gmdrm	hypo	CHG	-0.7756
Gm11	15144878	15144925	Gmdrm	hypo	CHG	-0.8617
Gm11	15155567	15155780	Gmdrm	hypo	CHG	-0.6967

Gm11	15195051	15195212	Gmdrm	hypo	CHG	-0.056
Gm11	15200715	15200870	Gmdrm	hypo	CHG	-0.34
Gm11	15211838	15212041	Gmdrm	hypo	CHG	-0.82
Gm11	15214440	15214866	Gmdrm	hypo	CHG	-0.6383
Gm11	15247742	15247868	Gmdrm	hypo	CHG	-0.2928
Gm11	15250147	15250331	Gmdrm	hypo	CHG	-0.4883
Gm11	15324149	15324441	Gmdrm	hypo	CHG	-0.7172
Gm11	15325994	15326187	Gmdrm	hypo	CHG	-0.36
Gm11	15360053	15360396	Gmdrm	hypo	CHG	-0.83
Gm11	15360863	15361354	Gmdrm	hypo	CHG	-0.7603
Gm11	15390206	15390332	Gmdrm	hypo	CHG	-0.69
Gm11	15417382	15417605	Gmdrm	hypo	CHG	-0.1167
Gm11	15433214	15433269	Gmdrm	hypo	CHG	-0.054
Gm11	15442828	15443015	Gmdrm	hypo	CHG	-0.109
Gm11	15443181	15443441	Gmdrm	hypo	CHG	-0.6282
Gm11	15453075	15453310	Gmdrm	hypo	CHG	-0.4194
Gm11	15453440	15453760	Gmdrm	hypo	CHG	-0.3125
Gm11	15464468	15464646	Gmdrm	hypo	CHG	-0.6543
Gm11	15472073	15472129	Gmdrm	hypo	CHG	-0.8412
Gm11	15472235	15472545	Gmdrm	hypo	CHG	-0.4282
Gm11	15474824	15475099	Gmdrm	hypo	CHG	-0.4534
Gm11	15475259	15475514	Gmdrm	hypo	CHG	-0.3255
Gm11	15484281	15484893	Gmdrm	hypo	CHG	-0.3452
Gm11	15487219	15487272	Gmdrm	hypo	CHG	-0.575
Gm11	15501196	15501405	Gmdrm	hypo	CHG	-0.3355
Gm11	15519178	15519630	Gmdrm	hypo	CHG	-0.2659
Gm11	15519745	15519904	Gmdrm	hypo	CHG	-0.6271
Gm11	15520110	15520283	Gmdrm	hypo	CHG	-0.7633
Gm11	15529748	15530194	Gmdrm	hypo	CHG	-0.8505
Gm11	15541833	15541932	Gmdrm	hypo	CHG	-0.8283
Gm11	15542147	15542430	Gmdrm	hypo	CHG	-0.825
Gm11	15542562	15542681	Gmdrm	hypo	CHG	-0.0514
Gm11	15543229	15543443	Gmdrm	hypo	CHG	-0.3555
Gm11	15543735	15543833	Gmdrm	hypo	CHG	-0.4125
Gm11	15552080	15552209	Gmdrm	hypo	CHG	-0.6773
Gm11	15552477	15552629	Gmdrm	hypo	CHG	-0.14
Gm11	15564927	15565138	Gmdrm	hypo	CHG	-0.2888
Gm11	15569909	15570144	Gmdrm	hypo	CHG	-0.4419
Gm11	15591310	15591383	Gmdrm	hypo	CHG	-0.3933
Gm11	15599267	15599517	Gmdrm	hypo	CHG	-0.5067
Gm11	15599843	15600641	Gmdrm	hypo	CHG	-0.1798
Gm11	15615280	15615795	Gmdrm	hypo	CHG	-0.2273
Gm11	15620684	15620826	Gmdrm	hypo	CHG	-0.38
Gm11	15634697	15635043	Gmdrm	hypo	CHG	-0.3346
Gm11	15636036	15636087	Gmdrm	hypo	CHG	-0.285
Gm11	15685689	15685895	Gmdrm	hypo	CHG	-0.3962

Gm11	15718858	15718918	Gmdrm	hypo	CHG	-0.55
Gm11	15737795	15737934	Gmdrm	hypo	CHG	-0.7365
Gm11	15742819	15742922	Gmdrm	hypo	CHG	-0.7916
Gm11	15745787	15745945	Gmdrm	hypo	CHG	-0.3358
Gm11	15746695	15746865	Gmdrm	hypo	CHG	-0.8716
Gm11	15748675	15748909	Gmdrm	hypo	CHG	-0.39
Gm11	15749121	15749616	Gmdrm	hypo	CHG	-0.5408
Gm11	15767463	15767615	Gmdrm	hypo	CHG	-0.08
Gm11	15777790	15778075	Gmdrm	hypo	CHG	-0.5706
Gm11	15794962	15795434	Gmdrm	hypo	CHG	-0.25
Gm11	15830344	15830470	Gmdrm	hypo	CHG	-0.5012
Gm11	15846090	15846156	Gmdrm	hypo	CHG	-0.146
Gm11	15857098	15857590	Gmdrm	hypo	CHG	-0.186
Gm11	15900507	15900704	Gmdrm	hypo	CHG	-0.05
Gm11	15903033	15903206	Gmdrm	hypo	CHG	-0.8078
Gm11	15903555	15903865	Gmdrm	hypo	CHG	-0.445
Gm11	15917186	15917326	Gmdrm	hypo	CHG	-0.5009
Gm11	15918409	15918510	Gmdrm	hypo	CHG	-0.576
Gm11	15929454	15929872	Gmdrm	hypo	CHG	-0.1839
Gm11	15933803	15934069	Gmdrm	hypo	CHG	-0.0263
Gm11	15939749	15939834	Gmdrm	hypo	CHG	-0.4517
Gm11	15942298	15942425	Gmdrm	hypo	CHG	-0.27
Gm11	15948150	15948181	Gmdrm	hypo	CHG	-0.7186
Gm11	15951976	15952474	Gmdrm	hypo	CHG	-0.2984
Gm11	15972295	15972435	Gmdrm	hypo	CHG	-0.6875
Gm11	15972645	15972864	Gmdrm	hypo	CHG	-0.5873
Gm11	15985787	15985891	Gmdrm	hypo	CHG	-0.8333
Gm11	15986033	15986431	Gmdrm	hypo	CHG	-0.7242
Gm11	16031084	16031174	Gmdrm	hypo	CHG	-0.195
Gm11	16031322	16031434	Gmdrm	hypo	CHG	-0.1949
Gm11	16037419	16037636	Gmdrm	hypo	CHG	-0.24
Gm11	16056111	16056244	Gmdrm	hypo	CHG	-0.048
Gm11	16060201	16060632	Gmdrm	hypo	CHG	-0.0367
Gm11	16082958	16083184	Gmdrm	hypo	CHG	-0.08
Gm11	16102824	16102921	Gmdrm	hypo	CHG	-0.752
Gm11	16114125	16114669	Gmdrm	hypo	CHG	-0.2043
Gm11	16119633	16120222	Gmdrm	hypo	CHG	-0.7582
Gm11	16120338	16120906	Gmdrm	hypo	CHG	-0.3681
Gm11	16132690	16132854	Gmdrm	hypo	CHG	-0.6
Gm11	16132963	16133205	Gmdrm	hypo	CHG	-0.5777
Gm11	16133494	16133951	Gmdrm	hypo	CHG	-0.4056
Gm11	16141665	16141942	Gmdrm	hypo	CHG	-0.4116
Gm11	16143622	16143688	Gmdrm	hypo	CHG	-0.795
Gm11	16156217	16156294	Gmdrm	hypo	CHG	-0.8025
Gm11	16165443	16165529	Gmdrm	hypo	CHG	-0.824
Gm11	16208388	16208420	Gmdrm	hypo	CHG	-0.816

Gm11	16217692	16217890	Gmdrm	hypo	CHG	-0.6575
Gm11	16218500	16218633	Gmdrm	hypo	CHG	-0.5662
Gm11	16242114	16242204	Gmdrm	hypo	CHG	-0.316
Gm11	16244738	16245199	Gmdrm	hypo	CHG	-0.5659
Gm11	16248269	16248364	Gmdrm	hypo	CHG	-0.4957
Gm11	16270142	16270182	Gmdrm	hypo	CHG	-0.852
Gm11	16316438	16316552	Gmdrm	hypo	CHG	-0.8064
Gm11	16332186	16332255	Gmdrm	hypo	CHG	-0.31
Gm11	16336929	16337014	Gmdrm	hypo	CHG	-0.8214
Gm11	16339466	16339716	Gmdrm	hypo	CHG	-0.695
Gm11	16339882	16340024	Gmdrm	hypo	CHG	-0.7513
Gm11	16349644	16349700	Gmdrm	hypo	CHG	-0.5284
Gm11	16349814	16349857	Gmdrm	hypo	CHG	-0.2883
Gm11	16357320	16357521	Gmdrm	hypo	CHG	-0.078
Gm11	16364208	16364459	Gmdrm	hypo	CHG	-0.3275
Gm11	16364569	16364753	Gmdrm	hypo	CHG	-0.3167
Gm11	16387052	16387201	Gmdrm	hypo	CHG	-0.2322
Gm11	16392748	16393110	Gmdrm	hypo	CHG	-0.288
Gm11	16395362	16395601	Gmdrm	hypo	CHG	-0.0862
Gm11	16404851	16404992	Gmdrm	hypo	CHG	-0.024
Gm11	16418509	16418792	Gmdrm	hypo	CHG	-0.5204
Gm11	16427453	16427729	Gmdrm	hypo	CHG	-0.3853
Gm11	16435084	16435246	Gmdrm	hypo	CHG	-0.2934
Gm11	16436085	16436145	Gmdrm	hypo	CHG	-0.0757
Gm11	16436819	16436866	Gmdrm	hypo	CHG	-0.1186
Gm11	16440869	16441125	Gmdrm	hypo	CHG	-0.53
Gm11	16445189	16445316	Gmdrm	hypo	CHG	-0.3543
Gm11	16446507	16446652	Gmdrm	hypo	CHG	-0.3588
Gm11	16446968	16447383	Gmdrm	hypo	CHG	-0.4053
Gm11	16460997	16461179	Gmdrm	hypo	CHG	-0.5691
Gm11	16479132	16479198	Gmdrm	hypo	CHG	-0.076
Gm11	16501712	16501866	Gmdrm	hypo	CHG	-0.7933
Gm11	16503163	16503229	Gmdrm	hypo	CHG	-0.3529
Gm11	16519356	16519607	Gmdrm	hypo	CHG	-0.8413
Gm11	16531885	16532164	Gmdrm	hypo	CHG	-0.6496
Gm11	16539454	16539661	Gmdrm	hypo	CHG	-0.0526
Gm11	16544134	16544281	Gmdrm	hypo	CHG	-0.035
Gm11	16549168	16549575	Gmdrm	hypo	CHG	-0.3744
Gm11	16555169	16555415	Gmdrm	hypo	CHG	-0.12
Gm11	16560726	16560878	Gmdrm	hypo	CHG	-0.3043
Gm11	16561371	16561489	Gmdrm	hypo	CHG	-0.3863
Gm11	16569190	16569357	Gmdrm	hypo	CHG	-0.21
Gm11	16574996	16575173	Gmdrm	hypo	CHG	-0.63
Gm11	16575474	16576040	Gmdrm	hypo	CHG	-0.175
Gm11	16578911	16579112	Gmdrm	hypo	CHG	-0.3518
Gm11	16579218	16579529	Gmdrm	hypo	CHG	-0.3422

Gm11	16579781	16579855	Gmdrm	hypo	CHG	-0.58
Gm11	16580119	16580368	Gmdrm	hypo	CHG	-0.481
Gm11	16593264	16593315	Gmdrm	hypo	CHG	-0.5584
Gm11	16593424	16593643	Gmdrm	hypo	CHG	-0.6657
Gm11	16593895	16593997	Gmdrm	hypo	CHG	-0.7834
Gm11	16610467	16610654	Gmdrm	hypo	CHG	-0.5872
Gm11	16616173	16616228	Gmdrm	hypo	CHG	-0.8378
Gm11	16623313	16623448	Gmdrm	hypo	CHG	-0.6467
Gm11	16623889	16623981	Gmdrm	hypo	CHG	-0.765
Gm11	16624415	16624523	Gmdrm	hypo	CHG	-0.09
Gm11	16629355	16629705	Gmdrm	hypo	CHG	-0.2325
Gm11	16632216	16632480	Gmdrm	hypo	CHG	-0.0673
Gm11	16638211	16638593	Gmdrm	hypo	CHG	-0.6106
Gm11	16638715	16638756	Gmdrm	hypo	CHG	-0.7133
Gm11	16638876	16638943	Gmdrm	hypo	CHG	-0.61
Gm11	16702479	16702784	Gmdrm	hypo	CHG	-0.03
Gm11	16717269	16717405	Gmdrm	hypo	CHG	-0.284
Gm11	16720414	16720564	Gmdrm	hypo	CHG	-0.7509
Gm11	16720813	16720974	Gmdrm	hypo	CHG	-0.6578
Gm11	16721983	16722182	Gmdrm	hypo	CHG	-0.4359
Gm11	16735854	16736197	Gmdrm	hypo	CHG	-0.115
Gm11	16737358	16737434	Gmdrm	hypo	CHG	-0.2684
Gm11	16740555	16740687	Gmdrm	hypo	CHG	-0.078
Gm11	16748373	16748597	Gmdrm	hypo	CHG	-0.0626
Gm11	16753181	16754131	Gmdrm	hypo	CHG	-0.2082
Gm11	16762662	16762798	Gmdrm	hypo	CHG	-0.4492
Gm11	16764123	16764434	Gmdrm	hypo	CHG	-0.2382
Gm11	16773446	16773539	Gmdrm	hypo	CHG	-0.5762
Gm11	16777578	16777684	Gmdrm	hypo	CHG	-0.708
Gm11	16782809	16783092	Gmdrm	hypo	CHG	-0.0383
Gm11	16814926	16815205	Gmdrm	hypo	CHG	-0.8528
Gm11	16819339	16819574	Gmdrm	hypo	CHG	-0.2134
Gm11	16823077	16823547	Gmdrm	hypo	CHG	-0.8296
Gm11	16846723	16846859	Gmdrm	hypo	CHG	-0.045
Gm11	16868898	16868962	Gmdrm	hypo	CHG	-0.455
Gm11	16882718	16882869	Gmdrm	hypo	CHG	-0.4763
Gm11	16886073	16886275	Gmdrm	hypo	CHG	-0.5779
Gm11	16897487	16897788	Gmdrm	hypo	CHG	-0.5682
Gm11	16906613	16906728	Gmdrm	hypo	CHG	-0.0286
Gm11	16920932	16921102	Gmdrm	hypo	CHG	-0.045
Gm11	16923665	16923834	Gmdrm	hypo	CHG	-0.4796
Gm11	16925279	16925484	Gmdrm	hypo	CHG	-0.6133
Gm11	16935595	16936089	Gmdrm	hypo	CHG	-0.3921
Gm11	16946718	16946759	Gmdrm	hypo	CHG	-0.6533
Gm11	16946937	16946961	Gmdrm	hypo	CHG	-0.34
Gm11	16947293	16947487	Gmdrm	hypo	CHG	-0.6339

Gm11	16962643	16963082	Gmdrm	hypo	CHG	-0.2562
Gm11	16967113	16967138	Gmdrm	hypo	CHG	-0.066
Gm11	17002861	17002977	Gmdrm	hypo	CHG	-0.552
Gm11	17018910	17019048	Gmdrm	hypo	CHG	-0.2428
Gm11	17019159	17019237	Gmdrm	hypo	CHG	-0.2818
Gm11	17019557	17019898	Gmdrm	hypo	CHG	-0.5537
Gm11	17031323	17031625	Gmdrm	hypo	CHG	-0.068
Gm11	17035647	17035897	Gmdrm	hypo	CHG	-0.5381
Gm11	17036222	17036518	Gmdrm	hypo	CHG	-0.2948
Gm11	17037206	17037566	Gmdrm	hypo	CHG	-0.1264
Gm11	17037817	17037912	Gmdrm	hypo	CHG	-0.188
Gm11	17042675	17043105	Gmdrm	hypo	CHG	-0.356
Gm11	17045965	17046157	Gmdrm	hypo	CHG	-0.3578
Gm11	17057852	17058466	Gmdrm	hypo	CHG	-0.3984
Gm11	17074059	17074105	Gmdrm	hypo	CHG	-0.41
Gm11	17074855	17075040	Gmdrm	hypo	CHG	-0.4867
Gm11	17080270	17080545	Gmdrm	hypo	CHG	-0.5894
Gm11	17091337	17091920	Gmdrm	hypo	CHG	-0.3264
Gm11	17130825	17131009	Gmdrm	hypo	CHG	-0.052
Gm11	17148644	17148757	Gmdrm	hypo	CHG	-0.3217
Gm11	17148900	17149163	Gmdrm	hypo	CHG	-0.694
Gm11	17162609	17162620	Gmdrm	hypo	CHG	-0.125
Gm11	17186014	17186649	Gmdrm	hypo	CHG	-0.2177
Gm11	17213221	17213562	Gmdrm	hypo	CHG	-0.2743
Gm11	17213733	17214078	Gmdrm	hypo	CHG	-0.5484
Gm11	17222539	17222680	Gmdrm	hypo	CHG	-0.466
Gm11	17227173	17227361	Gmdrm	hypo	CHG	-0.7273
Gm11	17229125	17229235	Gmdrm	hypo	CHG	-0.6357
Gm11	17230197	17230493	Gmdrm	hypo	CHG	-0.6467
Gm11	17249020	17249234	Gmdrm	hypo	CHG	-0.4845
Gm11	17265871	17266112	Gmdrm	hypo	CHG	-0.3375
Gm11	17308376	17308583	Gmdrm	hypo	CHG	-0.0369
Gm11	17334568	17334689	Gmdrm	hypo	CHG	-0.82
Gm11	17334856	17334916	Gmdrm	hypo	CHG	-0.9087
Gm11	17375470	17375658	Gmdrm	hypo	CHG	-0.048
Gm11	17377529	17377648	Gmdrm	hypo	CHG	-0.0283
Gm11	17385804	17385892	Gmdrm	hypo	CHG	-0.042
Gm11	17388784	17388968	Gmdrm	hypo	CHG	-0.7225
Gm11	17389513	17389568	Gmdrm	hypo	CHG	-0.575
Gm11	17389686	17389748	Gmdrm	hypo	CHG	-0.5583
Gm11	17390013	17390329	Gmdrm	hypo	CHG	-0.4289
Gm11	17391010	17391038	Gmdrm	hypo	CHG	-0.03
Gm11	17397019	17397640	Gmdrm	hypo	CHG	-0.4158
Gm11	17438039	17438055	Gmdrm	hypo	CHG	-0.064
Gm11	17446405	17446535	Gmdrm	hypo	CHG	-0.7762
Gm11	17464839	17464895	Gmdrm	hypo	CHG	-0.488

Gm11	17472833	17473202	Gmdrm	hypo	CHG	-0.4125
Gm11	17480024	17480205	Gmdrm	hypo	CHG	-0.8834
Gm11	17492035	17492258	Gmdrm	hypo	CHG	-0.164
Gm11	17497044	17497367	Gmdrm	hypo	CHG	-0.1976
Gm11	17530417	17530752	Gmdrm	hypo	CHG	-0.1847
Gm11	17531092	17531176	Gmdrm	hypo	CHG	-0.5437
Gm11	17531458	17531713	Gmdrm	hypo	CHG	-0.6865
Gm11	17552788	17552851	Gmdrm	hypo	CHG	-0.044
Gm11	17570799	17571008	Gmdrm	hypo	CHG	-0.4089
Gm11	17589706	17589822	Gmdrm	hypo	CHG	-0.08
Gm11	17596501	17596657	Gmdrm	hypo	CHG	-0.3875
Gm11	17600015	17600234	Gmdrm	hypo	CHG	-0.5963
Gm11	17601581	17601834	Gmdrm	hypo	CHG	-0.131
Gm11	17619306	17619462	Gmdrm	hypo	CHG	-0.3901
Gm11	17620518	17620655	Gmdrm	hypo	CHG	-0.3833
Gm11	17620957	17621128	Gmdrm	hypo	CHG	-0.5917
Gm11	17625414	17625636	Gmdrm	hypo	CHG	-0.6283
Gm11	17656818	17656853	Gmdrm	hypo	CHG	-0.582
Gm11	17658787	17659252	Gmdrm	hypo	CHG	-0.664
Gm11	17671706	17671806	Gmdrm	hypo	CHG	-0.026
Gm11	17675056	17675282	Gmdrm	hypo	CHG	-0.0675
Gm11	17679662	17680052	Gmdrm	hypo	CHG	-0.2845
Gm11	17682162	17682275	Gmdrm	hypo	CHG	-0.1853
Gm11	17684292	17684646	Gmdrm	hypo	CHG	-0.5415
Gm11	17684781	17684849	Gmdrm	hypo	CHG	-0.82
Gm11	17686275	17686769	Gmdrm	hypo	CHG	-0.3712
Gm11	17687247	17687438	Gmdrm	hypo	CHG	-0.5533
Gm11	17690569	17690819	Gmdrm	hypo	CHG	-0.3486
Gm11	17691173	17691398	Gmdrm	hypo	CHG	-0.4845
Gm11	17691653	17691903	Gmdrm	hypo	CHG	-0.3834
Gm11	17692416	17692590	Gmdrm	hypo	CHG	-0.4578
Gm11	17693147	17693259	Gmdrm	hypo	CHG	-0.6978
Gm11	17701803	17701953	Gmdrm	hypo	CHG	-0.8
Gm11	17712246	17712310	Gmdrm	hypo	CHG	-0.41
Gm11	17712639	17713544	Gmdrm	hypo	CHG	-0.2281
Gm11	17737510	17737911	Gmdrm	hypo	CHG	-0.3457
Gm11	17738481	17738603	Gmdrm	hypo	CHG	-0.3588
Gm11	17740823	17741144	Gmdrm	hypo	CHG	-0.4936
Gm11	17741277	17741549	Gmdrm	hypo	CHG	-0.8512
Gm11	17743604	17743687	Gmdrm	hypo	CHG	-0.675
Gm11	17768278	17768313	Gmdrm	hypo	CHG	-0.8683
Gm11	17819900	17820045	Gmdrm	hypo	CHG	-0.048
Gm11	17820516	17820541	Gmdrm	hypo	CHG	-0.6757
Gm11	17823554	17823675	Gmdrm	hypo	CHG	-0.66
Gm11	17823811	17823882	Gmdrm	hypo	CHG	-0.4467
Gm11	17824033	17824085	Gmdrm	hypo	CHG	-0.1134

Gm11	17833374	17833432	Gmdrm	hypo	CHG	-0.4414
Gm11	17836307	17836434	Gmdrm	hypo	CHG	-0.47
Gm11	17861842	17861967	Gmdrm	hypo	CHG	-0.6955
Gm11	17862538	17862607	Gmdrm	hypo	CHG	-0.055
Gm11	17864591	17865069	Gmdrm	hypo	CHG	-0.2565
Gm11	17899588	17899648	Gmdrm	hypo	CHG	-0.554
Gm11	17899749	17899828	Gmdrm	hypo	CHG	-0.7716
Gm11	17941565	17941625	Gmdrm	hypo	CHG	-0.066
Gm11	17949825	17950167	Gmdrm	hypo	CHG	-0.602
Gm11	17968761	17969072	Gmdrm	hypo	CHG	-0.3984
Gm11	17983580	17983687	Gmdrm	hypo	CHG	-0.527
Gm11	18010501	18010596	Gmdrm	hypo	CHG	-0.104
Gm11	18038914	18039570	Gmdrm	hypo	CHG	-0.1195
Gm11	18055514	18055902	Gmdrm	hypo	CHG	-0.3793
Gm11	18060861	18060974	Gmdrm	hypo	CHG	-0.3575
Gm11	18061739	18061903	Gmdrm	hypo	CHG	-0.048
Gm11	18062674	18063040	Gmdrm	hypo	CHG	-0.0362
Gm11	18113142	18113325	Gmdrm	hypo	CHG	-0.593
Gm11	18119345	18119580	Gmdrm	hypo	CHG	-0.03
Gm11	18119880	18119937	Gmdrm	hypo	CHG	-0.266
Gm11	18129979	18130090	Gmdrm	hypo	CHG	-0.058
Gm11	18143431	18143485	Gmdrm	hypo	CHG	-0.798
Gm11	18143798	18143859	Gmdrm	hypo	CHG	-0.925
Gm11	18147686	18147831	Gmdrm	hypo	CHG	-0.35
Gm11	18147985	18148178	Gmdrm	hypo	CHG	-0.6088
Gm11	18148296	18148596	Gmdrm	hypo	CHG	-0.8338
Gm11	18148737	18148888	Gmdrm	hypo	CHG	-0.1987
Gm11	18149452	18149660	Gmdrm	hypo	CHG	-0.3076
Gm11	18150225	18150417	Gmdrm	hypo	CHG	-0.4137
Gm11	18150819	18150902	Gmdrm	hypo	CHG	-0.42
Gm11	18151854	18151969	Gmdrm	hypo	CHG	-0.7757
Gm11	18157631	18158100	Gmdrm	hypo	CHG	-0.6363
Gm11	18161320	18161367	Gmdrm	hypo	CHG	-0.36
Gm11	18198459	18198787	Gmdrm	hypo	CHG	-0.3705
Gm11	18206127	18206264	Gmdrm	hypo	CHG	-0.346
Gm11	18210611	18211065	Gmdrm	hypo	CHG	-0.3983
Gm11	18214038	18214158	Gmdrm	hypo	CHG	-0.342
Gm11	18225695	18225927	Gmdrm	hypo	CHG	-0.7033
Gm11	18254477	18254714	Gmdrm	hypo	CHG	-0.627
Gm11	18262915	18263112	Gmdrm	hypo	CHG	-0.4962
Gm11	18281348	18281492	Gmdrm	hypo	CHG	-0.2984
Gm11	18297821	18298056	Gmdrm	hypo	CHG	-0.0757
Gm11	18300261	18301078	Gmdrm	hypo	CHG	-0.2677
Gm11	18334368	18334548	Gmdrm	hypo	CHG	-0.4755
Gm11	18336071	18336516	Gmdrm	hypo	CHG	-0.7927
Gm11	18338300	18338581	Gmdrm	hypo	CHG	-0.4411

Gm11	18338897	18339054	Gmdrm	hypo	CHG	-0.5275
Gm11	18386871	18386961	Gmdrm	hypo	CHG	-0.81
Gm11	18395812	18396016	Gmdrm	hypo	CHG	-0.058
Gm11	18396338	18396419	Gmdrm	hypo	CHG	-0.5763
Gm11	18396703	18396815	Gmdrm	hypo	CHG	-0.094
Gm11	18478583	18478695	Gmdrm	hypo	CHG	-0.06
Gm11	18485179	18485521	Gmdrm	hypo	CHG	-0.5773
Gm11	18497394	18497581	Gmdrm	hypo	CHG	-0.4985
Gm11	18513918	18514368	Gmdrm	hypo	CHG	-0.6315
Gm11	18514511	18515060	Gmdrm	hypo	CHG	-0.3296
Gm11	18532324	18532360	Gmdrm	hypo	CHG	-0.172
Gm11	18532519	18532611	Gmdrm	hypo	CHG	-0.4917
Gm11	18532798	18533047	Gmdrm	hypo	CHG	-0.5487
Gm11	18533214	18533455	Gmdrm	hypo	CHG	-0.5022
Gm11	18534282	18534552	Gmdrm	hypo	CHG	-0.045
Gm11	18535745	18535914	Gmdrm	hypo	CHG	-0.4991
Gm11	18540678	18540841	Gmdrm	hypo	CHG	-0.454
Gm11	18540980	18541493	Gmdrm	hypo	CHG	-0.449
Gm11	18570818	18570904	Gmdrm	hypo	CHG	-0.2114
Gm11	18575435	18575966	Gmdrm	hypo	CHG	-0.25
Gm11	18593076	18593132	Gmdrm	hypo	CHG	-0.644
Gm11	18607568	18607780	Gmdrm	hypo	CHG	-0.4745
Gm11	18617998	18618418	Gmdrm	hypo	CHG	-0.8981
Gm11	18618551	18618865	Gmdrm	hypo	CHG	-0.0406
Gm11	18619614	18619676	Gmdrm	hypo	CHG	-0.7
Gm11	18619777	18619845	Gmdrm	hypo	CHG	-0.7912
Gm11	18623574	18623650	Gmdrm	hypo	CHG	-0.7583
Gm11	18623757	18623876	Gmdrm	hypo	CHG	-0.5117
Gm11	18624149	18624233	Gmdrm	hypo	CHG	-0.2125
Gm11	18628857	18629126	Gmdrm	hypo	CHG	-0.32
Gm11	18629310	18629603	Gmdrm	hypo	CHG	-0.2633
Gm11	18629710	18629920	Gmdrm	hypo	CHG	-0.2908
Gm11	18630879	18630954	Gmdrm	hypo	CHG	-0.61
Gm11	18632660	18632790	Gmdrm	hypo	CHG	-0.03
Gm11	18639204	18639657	Gmdrm	hypo	CHG	-0.4361
Gm11	18647831	18648034	Gmdrm	hypo	CHG	-0.25
Gm11	18655435	18655539	Gmdrm	hypo	CHG	-0.6617
Gm11	18656300	18656336	Gmdrm	hypo	CHG	-0.746
Gm11	18656466	18656828	Gmdrm	hypo	CHG	-0.6487
Gm11	18659086	18659228	Gmdrm	hypo	CHG	-0.6384
Gm11	18659385	18659531	Gmdrm	hypo	CHG	-0.435
Gm11	18711455	18711462	Gmdrm	hypo	CHG	-0.154
Gm11	18715166	18715303	Gmdrm	hypo	CHG	-0.4375
Gm11	18729182	18729428	Gmdrm	hypo	CHG	-0.2794
Gm11	18731852	18732234	Gmdrm	hypo	CHG	-0.6805
Gm11	18732734	18733402	Gmdrm	hypo	CHG	-0.5413

Gm11	18735472	18735666	Gmdrm	hypo	CHG	-0.2442
Gm11	18735787	18736762	Gmdrm	hypo	CHG	-0.1386
Gm11	18742734	18743358	Gmdrm	hypo	CHG	-0.2634
Gm11	18743931	18744617	Gmdrm	hypo	CHG	-0.1293
Gm11	18749504	18749619	Gmdrm	hypo	CHG	-0.7156
Gm11	18778585	18778708	Gmdrm	hypo	CHG	-0.1366
Gm11	18788108	18788259	Gmdrm	hypo	CHG	-0.7033
Gm11	18821400	18821545	Gmdrm	hypo	CHG	-0.3112
Gm11	18859108	18859270	Gmdrm	hypo	CHG	-0.3271
Gm11	18896763	18896874	Gmdrm	hypo	CHG	-0.4673
Gm11	18901289	18901475	Gmdrm	hypo	CHG	-0.5628
Gm11	18911671	18911952	Gmdrm	hypo	CHG	-0.348
Gm11	18912075	18912391	Gmdrm	hypo	CHG	-0.528
Gm11	18917899	18918040	Gmdrm	hypo	CHG	-0.572
Gm11	18918379	18918568	Gmdrm	hypo	CHG	-0.6416
Gm11	18926711	18926834	Gmdrm	hypo	CHG	-0.046
Gm11	18928227	18928311	Gmdrm	hypo	CHG	-0.7118
Gm11	18974929	18974970	Gmdrm	hypo	CHG	-0.4166
Gm11	18981371	18981604	Gmdrm	hypo	CHG	-0.2333
Gm11	18993506	18993585	Gmdrm	hypo	CHG	-0.068
Gm11	19012861	19013026	Gmdrm	hypo	CHG	-0.7441
Gm11	19041997	19042364	Gmdrm	hypo	CHG	-0.7165
Gm11	19042515	19043222	Gmdrm	hypo	CHG	-0.3535
Gm11	19047659	19047963	Gmdrm	hypo	CHG	-0.0862
Gm11	19057157	19057484	Gmdrm	hypo	CHG	-0.4908
Gm11	19095151	19095515	Gmdrm	hypo	CHG	-0.1406
Gm11	19102338	19102605	Gmdrm	hypo	CHG	-0.2
Gm11	19117554	19117996	Gmdrm	hypo	CHG	-0.286
Gm11	19161727	19161970	Gmdrm	hypo	CHG	-0.2808
Gm11	19197458	19197727	Gmdrm	hypo	CHG	-0.4223
Gm11	19253637	19253672	Gmdrm	hypo	CHG	-0.6674
Gm11	19254092	19254195	Gmdrm	hypo	CHG	-0.313
Gm11	19254368	19255365	Gmdrm	hypo	CHG	-0.1942
Gm11	19255405	19255664	Gmdrm	hypo	CHG	-0.3319
Gm11	19272619	19273135	Gmdrm	hypo	CHG	-0.4277
Gm11	19290636	19290714	Gmdrm	hypo	CHG	-0.4829
Gm11	19298548	19298708	Gmdrm	hypo	CHG	-0.5443
Gm11	19318739	19319576	Gmdrm	hypo	CHG	-0.3394
Gm11	19479986	19480062	Gmdrm	hypo	CHG	-0.515
Gm11	19501235	19501401	Gmdrm	hypo	CHG	-0.45
Gm11	19514775	19514829	Gmdrm	hypo	CHG	-0.68
Gm11	19518177	19518611	Gmdrm	hypo	CHG	-0.2267
Gm11	19526390	19526750	Gmdrm	hypo	CHG	-0.2284
Gm11	19534791	19535064	Gmdrm	hypo	CHG	-0.5266
Gm11	19541151	19541264	Gmdrm	hypo	CHG	-0.38
Gm11	19543648	19543690	Gmdrm	hypo	CHG	-0.668

Gm11	19549587	19549795	Gmdrm	hypo	CHG	-0.09
Gm11	19556596	19556854	Gmdrm	hypo	CHG	-0.1767
Gm11	19558999	19559225	Gmdrm	hypo	CHG	-0.1895
Gm11	19569468	19569690	Gmdrm	hypo	CHG	-0.0456
Gm11	19569838	19570004	Gmdrm	hypo	CHG	-0.3425
Gm11	19570187	19570277	Gmdrm	hypo	CHG	-0.8534
Gm11	19570403	19570636	Gmdrm	hypo	CHG	-0.341
Gm11	19583765	19583937	Gmdrm	hypo	CHG	-0.2157
Gm11	19593239	19593337	Gmdrm	hypo	CHG	-0.5883
Gm11	19612838	19612872	Gmdrm	hypo	CHG	-0.08
Gm11	19614039	19614330	Gmdrm	hypo	CHG	-0.5034
Gm11	19615630	19615791	Gmdrm	hypo	CHG	-0.5895
Gm11	19624402	19624607	Gmdrm	hypo	CHG	-0.0533
Gm11	19625230	19625316	Gmdrm	hypo	CHG	-0.6824
Gm11	19660143	19660214	Gmdrm	hypo	CHG	-0.3466
Gm11	19709669	19709822	Gmdrm	hypo	CHG	-0.3988
Gm11	19727208	19727221	Gmdrm	hypo	CHG	-0.14
Gm11	19733954	19734247	Gmdrm	hypo	CHG	-0.7606
Gm11	19734648	19734840	Gmdrm	hypo	CHG	-0.6056
Gm11	19746934	19747157	Gmdrm	hypo	CHG	-0.08
Gm11	19807245	19807375	Gmdrm	hypo	CHG	-0.3737
Gm11	19961162	19961326	Gmdrm	hypo	CHG	-0.0414
Gm11	19967796	19968085	Gmdrm	hypo	CHG	-0.3878
Gm11	19981239	19981358	Gmdrm	hypo	CHG	-0.1411
Gm11	19988626	19988756	Gmdrm	hypo	CHG	-0.5418
Gm11	19991407	19991864	Gmdrm	hypo	CHG	-0.0959
Gm11	19992825	19993056	Gmdrm	hypo	CHG	-0.1067
Gm11	19993167	19993617	Gmdrm	hypo	CHG	-0.1811
Gm11	19994137	19994602	Gmdrm	hypo	CHG	-0.0769
Gm11	20045218	20045324	Gmdrm	hypo	CHG	-0.4614
Gm11	20045538	20045697	Gmdrm	hypo	CHG	-0.524
Gm11	20049361	20049463	Gmdrm	hypo	CHG	-0.5263
Gm11	20057936	20058495	Gmdrm	hypo	CHG	-0.0238
Gm11	20122588	20122778	Gmdrm	hypo	CHG	-0.695
Gm11	20141582	20141800	Gmdrm	hypo	CHG	-0.3833
Gm11	20159722	20159821	Gmdrm	hypo	CHG	-0.066
Gm11	20159935	20159975	Gmdrm	hypo	CHG	-0.775
Gm11	20218003	20218302	Gmdrm	hypo	CHG	-0.14
Gm11	20260010	20260978	Gmdrm	hypo	CHG	-0.1425
Gm11	20261018	20261610	Gmdrm	hypo	CHG	-0.2368
Gm11	20262328	20262417	Gmdrm	hypo	CHG	-0.22
Gm11	20269307	20269416	Gmdrm	hypo	CHG	-0.43
Gm11	20269526	20269543	Gmdrm	hypo	CHG	-0.1814
Gm11	20273478	20273706	Gmdrm	hypo	CHG	-0.4127
Gm11	20279028	20279095	Gmdrm	hypo	CHG	-0.05
Gm11	20290901	20291293	Gmdrm	hypo	CHG	-0.44

Gm11	20327589	20327989	Gmdrm	hypo	CHG	-0.1781
Gm11	20331889	20332137	Gmdrm	hypo	CHG	-0.147
Gm11	20340400	20340504	Gmdrm	hypo	CHG	-0.8109
Gm11	20379721	20379858	Gmdrm	hypo	CHG	-0.6615
Gm11	20386574	20386720	Gmdrm	hypo	CHG	-0.721
Gm11	20386867	20387124	Gmdrm	hypo	CHG	-0.0757
Gm11	20408531	20409216	Gmdrm	hypo	CHG	-0.2483
Gm11	20409554	20409725	Gmdrm	hypo	CHG	-0.4
Gm11	20414988	20415151	Gmdrm	hypo	CHG	-0.1843
Gm11	20425939	20426038	Gmdrm	hypo	CHG	-0.42
Gm11	20426945	20427056	Gmdrm	hypo	CHG	-0.37
Gm11	20435688	20435907	Gmdrm	hypo	CHG	-0.0483
Gm11	20481451	20481663	Gmdrm	hypo	CHG	-0.2457
Gm11	20481814	20482236	Gmdrm	hypo	CHG	-0.5245
Gm11	20483151	20483331	Gmdrm	hypo	CHG	-0.0583
Gm11	20484260	20484449	Gmdrm	hypo	CHG	-0.2545
Gm11	20559231	20559502	Gmdrm	hypo	CHG	-0.2377
Gm11	20568449	20568510	Gmdrm	hypo	CHG	-0.5183
Gm11	20568876	20568924	Gmdrm	hypo	CHG	-0.8066
Gm11	20573978	20574476	Gmdrm	hypo	CHG	-0.343
Gm11	20575172	20575384	Gmdrm	hypo	CHG	-0.2561
Gm11	20581367	20581713	Gmdrm	hypo	CHG	-0.4415
Gm11	20598961	20599220	Gmdrm	hypo	CHG	-0.43
Gm11	20600365	20600526	Gmdrm	hypo	CHG	-0.48
Gm11	20640809	20641042	Gmdrm	hypo	CHG	-0.586
Gm11	20641335	20641367	Gmdrm	hypo	CHG	-0.9167
Gm11	20643480	20643656	Gmdrm	hypo	CHG	-0.3686
Gm11	20665133	20665226	Gmdrm	hypo	CHG	-0.4164
Gm11	20665330	20665440	Gmdrm	hypo	CHG	-0.6599
Gm11	20666918	20667345	Gmdrm	hypo	CHG	-0.8908
Gm11	20675479	20675652	Gmdrm	hypo	CHG	-0.025
Gm11	20676993	20677039	Gmdrm	hypo	CHG	-0.7238
Gm11	20677149	20677527	Gmdrm	hypo	CHG	-0.779
Gm11	20677740	20678015	Gmdrm	hypo	CHG	-0.665
Gm11	20698203	20698299	Gmdrm	hypo	CHG	-0.3
Gm11	20706457	20706504	Gmdrm	hypo	CHG	-0.58
Gm11	20717242	20717425	Gmdrm	hypo	CHG	-0.6973
Gm11	20733176	20733521	Gmdrm	hypo	CHG	-0.212
Gm11	20802502	20802685	Gmdrm	hypo	CHG	-0.4036
Gm11	20803941	20804131	Gmdrm	hypo	CHG	-0.9017
Gm11	20804367	20804617	Gmdrm	hypo	CHG	-0.89
Gm11	20813077	20813285	Gmdrm	hypo	CHG	-0.1453
Gm11	20814106	20814687	Gmdrm	hypo	CHG	-0.0957
Gm11	20814838	20815049	Gmdrm	hypo	CHG	-0.0812
Gm11	20815156	20815882	Gmdrm	hypo	CHG	-0.0804
Gm11	20843314	20843344	Gmdrm	hypo	CHG	-0.415

Gm11	20843747	20844247	Gmdrm	hypo	CHG	-0.3546
Gm11	20902753	20902987	Gmdrm	hypo	CHG	-0.094
Gm11	20907430	20907568	Gmdrm	hypo	CHG	-0.3633
Gm11	20923920	20924610	Gmdrm	hypo	CHG	-0.1223
Gm11	20932099	20932305	Gmdrm	hypo	CHG	-0.387
Gm11	20969213	20969302	Gmdrm	hypo	CHG	-0.3517
Gm11	20969766	20970053	Gmdrm	hypo	CHG	-0.5393
Gm11	21000730	21001039	Gmdrm	hypo	CHG	-0.3009
Gm11	21003612	21003684	Gmdrm	hypo	CHG	-0.2857
Gm11	21037632	21037914	Gmdrm	hypo	CHG	-0.0643
Gm11	21038512	21038739	Gmdrm	hypo	CHG	-0.6981
Gm11	21039499	21039875	Gmdrm	hypo	CHG	-0.2247
Gm11	21048700	21049160	Gmdrm	hypo	CHG	-0.4389
Gm11	21055837	21055875	Gmdrm	hypo	CHG	-0.8633
Gm11	21068835	21068946	Gmdrm	hypo	CHG	-0.3187
Gm11	21082350	21082797	Gmdrm	hypo	CHG	-0.1945
Gm11	21099270	21099712	Gmdrm	hypo	CHG	-0.3232
Gm11	21117464	21117584	Gmdrm	hypo	CHG	-0.66
Gm11	21117937	21118123	Gmdrm	hypo	CHG	-0.075
Gm11	21122244	21122331	Gmdrm	hypo	CHG	-0.3
Gm11	21146641	21146844	Gmdrm	hypo	CHG	-0.3975
Gm11	21159248	21159326	Gmdrm	hypo	CHG	-0.65
Gm11	21165071	21165158	Gmdrm	hypo	CHG	-0.644
Gm11	21166958	21167339	Gmdrm	hypo	CHG	-0.2474
Gm11	21169105	21169317	Gmdrm	hypo	CHG	-0.7182
Gm11	21184809	21185028	Gmdrm	hypo	CHG	-0.3786
Gm11	21230499	21230822	Gmdrm	hypo	CHG	-0.7069
Gm11	21283716	21283933	Gmdrm	hypo	CHG	-0.2718
Gm11	21287809	21288027	Gmdrm	hypo	CHG	-0.0633
Gm11	21289104	21289804	Gmdrm	hypo	CHG	-0.119
Gm11	21294586	21295131	Gmdrm	hypo	CHG	-0.1567
Gm11	21298702	21299046	Gmdrm	hypo	CHG	-0.054
Gm11	21312638	21312793	Gmdrm	hypo	CHG	-0.4875
Gm11	21324274	21324330	Gmdrm	hypo	CHG	-0.18
Gm11	21330028	21330127	Gmdrm	hypo	CHG	-0.2172
Gm11	21330753	21330982	Gmdrm	hypo	CHG	-0.2843
Gm11	21331600	21331755	Gmdrm	hypo	CHG	-0.59
Gm11	21331859	21331953	Gmdrm	hypo	CHG	-0.514
Gm11	21334930	21334998	Gmdrm	hypo	CHG	-0.0729
Gm11	21338977	21339215	Gmdrm	hypo	CHG	-0.065
Gm11	21350881	21351446	Gmdrm	hypo	CHG	-0.2253
Gm11	21357262	21357593	Gmdrm	hypo	CHG	-0.5813
Gm11	21357746	21357880	Gmdrm	hypo	CHG	-0.052
Gm11	21378763	21378885	Gmdrm	hypo	CHG	-0.4633
Gm11	21537956	21538094	Gmdrm	hypo	CHG	-0.0889
Gm11	21541786	21542262	Gmdrm	hypo	CHG	-0.7245

Gm11	21542457	21542509	Gmdrm	hypo	CHG	-0.3917
Gm11	21567473	21567520	Gmdrm	hypo	CHG	-0.8056
Gm11	21567988	21568304	Gmdrm	hypo	CHG	-0.7389
Gm11	21570400	21570529	Gmdrm	hypo	CHG	-0.5475
Gm11	21576875	21577223	Gmdrm	hypo	CHG	-0.8015
Gm11	21577389	21577571	Gmdrm	hypo	CHG	-0.588
Gm11	21577720	21577801	Gmdrm	hypo	CHG	-0.1466
Gm11	21578799	21579000	Gmdrm	hypo	CHG	-0.4931
Gm11	21580601	21580803	Gmdrm	hypo	CHG	-0.256
Gm11	21580907	21580953	Gmdrm	hypo	CHG	-0.265
Gm11	21581481	21581731	Gmdrm	hypo	CHG	-0.09
Gm11	21607299	21607372	Gmdrm	hypo	CHG	-0.55
Gm11	21608587	21608845	Gmdrm	hypo	CHG	-0.2122
Gm11	21640687	21640933	Gmdrm	hypo	CHG	-0.569
Gm11	21645216	21645340	Gmdrm	hypo	CHG	-0.47
Gm11	21645463	21645547	Gmdrm	hypo	CHG	-0.366
Gm11	21660154	21660368	Gmdrm	hypo	CHG	-0.36
Gm11	21681119	21681384	Gmdrm	hypo	CHG	-0.5104
Gm11	21720570	21720743	Gmdrm	hypo	CHG	-0.371
Gm11	21724180	21724233	Gmdrm	hypo	CHG	-0.9012
Gm11	21898458	21898629	Gmdrm	hypo	CHG	-0.4766
Gm11	21900228	21900264	Gmdrm	hypo	CHG	-0.3967
Gm11	22236616	22236912	Gmdrm	hypo	CHG	-0.6154
Gm11	22238151	22238301	Gmdrm	hypo	CHG	-0.2871
Gm11	22244735	22244941	Gmdrm	hypo	CHG	-0.46
Gm11	22245042	22245146	Gmdrm	hypo	CHG	-0.4612
Gm11	22248218	22248403	Gmdrm	hypo	CHG	-0.3182
Gm11	22248689	22248822	Gmdrm	hypo	CHG	-0.3376
Gm11	22669114	22669222	Gmdrm	hypo	CHG	-0.6575
Gm11	22732476	22732663	Gmdrm	hypo	CHG	-0.1693
Gm11	22732779	22732911	Gmdrm	hypo	CHG	-0.64
Gm11	22831973	22832088	Gmdrm	hypo	CHG	-0.4933
Gm11	22938977	22939090	Gmdrm	hypo	CHG	-0.5067
Gm11	23204012	23204492	Gmdrm	hypo	CHG	-0.0485
Gm11	23208380	23208633	Gmdrm	hypo	CHG	-0.4472
Gm11	23218732	23218866	Gmdrm	hypo	CHG	-0.1156
Gm11	23317964	23318006	Gmdrm	hypo	CHG	-0.1013
Gm11	23331728	23332333	Gmdrm	hypo	CHG	-0.3543
Gm11	23343340	23343490	Gmdrm	hypo	CHG	-0.6588
Gm11	23344803	23345078	Gmdrm	hypo	CHG	-0.261
Gm11	23400942	23401052	Gmdrm	hypo	CHG	-0.5633
Gm11	23401734	23401787	Gmdrm	hypo	CHG	-0.332
Gm11	23403097	23403419	Gmdrm	hypo	CHG	-0.11
Gm11	23404256	23404319	Gmdrm	hypo	CHG	-0.5957
Gm11	23405589	23406214	Gmdrm	hypo	CHG	-0.2764
Gm11	23409159	23409205	Gmdrm	hypo	CHG	-0.265

Gm11	23409561	23409620	Gmdrm	hypo	CHG	-0.5533
Gm11	23410422	23410564	Gmdrm	hypo	CHG	-0.6125
Gm11	23410798	23411023	Gmdrm	hypo	CHG	-0.63
Gm11	23411158	23411203	Gmdrm	hypo	CHG	-0.8521
Gm11	23412165	23412338	Gmdrm	hypo	CHG	-0.6774
Gm11	23412606	23412863	Gmdrm	hypo	CHG	-0.2681
Gm11	23414014	23414129	Gmdrm	hypo	CHG	-0.6557
Gm11	23414573	23414734	Gmdrm	hypo	CHG	-0.671
Gm11	23414905	23415084	Gmdrm	hypo	CHG	-0.466
Gm11	23415201	23415287	Gmdrm	hypo	CHG	-0.7787
Gm11	23415404	23415639	Gmdrm	hypo	CHG	-0.3846
Gm11	23423237	23423961	Gmdrm	hypo	CHG	-0.302
Gm11	23443637	23443781	Gmdrm	hypo	CHG	-0.6362
Gm11	23447534	23447637	Gmdrm	hypo	CHG	-0.35
Gm11	23466598	23466841	Gmdrm	hypo	CHG	-0.3
Gm11	23475660	23475812	Gmdrm	hypo	CHG	-0.1647
Gm11	23485536	23485717	Gmdrm	hypo	CHG	-0.4642
Gm11	23486178	23486291	Gmdrm	hypo	CHG	-0.5533
Gm11	23486567	23486774	Gmdrm	hypo	CHG	-0.264
Gm11	23486897	23486971	Gmdrm	hypo	CHG	-0.3384
Gm11	23495247	23495868	Gmdrm	hypo	CHG	-0.4258
Gm11	23508378	23508634	Gmdrm	hypo	CHG	-0.3425
Gm11	23536380	23536828	Gmdrm	hypo	CHG	-0.135
Gm11	23560671	23561039	Gmdrm	hypo	CHG	-0.3106
Gm11	23562236	23562386	Gmdrm	hypo	CHG	-0.7443
Gm11	23570769	23570976	Gmdrm	hypo	CHG	-0.8767
Gm11	23584453	23584592	Gmdrm	hypo	CHG	-0.4275
Gm11	23586059	23586481	Gmdrm	hypo	CHG	-0.4544
Gm11	23587385	23587527	Gmdrm	hypo	CHG	-0.5346
Gm11	23589215	23589261	Gmdrm	hypo	CHG	-0.6783
Gm11	23589778	23589875	Gmdrm	hypo	CHG	-0.7155
Gm11	23595870	23596019	Gmdrm	hypo	CHG	-0.182
Gm11	23611946	23612041	Gmdrm	hypo	CHG	-0.396
Gm11	23639800	23639940	Gmdrm	hypo	CHG	-0.66
Gm11	23640066	23640356	Gmdrm	hypo	CHG	-0.8141
Gm11	23646573	23646981	Gmdrm	hypo	CHG	-0.338
Gm11	23647601	23647676	Gmdrm	hypo	CHG	-0.6343
Gm11	23649525	23649731	Gmdrm	hypo	CHG	-0.2841
Gm11	23658094	23658505	Gmdrm	hypo	CHG	-0.0728
Gm11	23659204	23659680	Gmdrm	hypo	CHG	-0.2458
Gm11	23659940	23660081	Gmdrm	hypo	CHG	-0.186
Gm11	23662047	23662084	Gmdrm	hypo	CHG	-0.135
Gm11	23662350	23662538	Gmdrm	hypo	CHG	-0.2862
Gm11	23662647	23662784	Gmdrm	hypo	CHG	-0.6001
Gm11	23663475	23663679	Gmdrm	hypo	CHG	-0.608
Gm11	23664348	23664429	Gmdrm	hypo	CHG	-0.48

Gm11	23664672	23664996	Gmdrm	hypo	CHG	-0.3153
Gm11	23696585	23696700	Gmdrm	hypo	CHG	-0.4856
Gm11	23697607	23697911	Gmdrm	hypo	CHG	-0.5054
Gm11	23702823	23702898	Gmdrm	hypo	CHG	-0.124
Gm11	23703354	23703512	Gmdrm	hypo	CHG	-0.42
Gm11	23712031	23712153	Gmdrm	hypo	CHG	-0.3666
Gm11	23723186	23723649	Gmdrm	hypo	CHG	-0.45
Gm11	23727890	23728269	Gmdrm	hypo	CHG	-0.9324
Gm11	23728730	23728754	Gmdrm	hypo	CHG	-0.6383
Gm11	23733442	23733700	Gmdrm	hypo	CHG	-0.2663
Gm11	23744470	23744709	Gmdrm	hypo	CHG	-0.55
Gm11	23747051	23747207	Gmdrm	hypo	CHG	-0.3646
Gm11	23749914	23750092	Gmdrm	hypo	CHG	-0.0488
Gm11	23752113	23752566	Gmdrm	hypo	CHG	-0.0926
Gm11	23754806	23754988	Gmdrm	hypo	CHG	-0.101
Gm11	23756162	23756499	Gmdrm	hypo	CHG	-0.1719
Gm11	23757710	23757916	Gmdrm	hypo	CHG	-0.06
Gm11	23771215	23771378	Gmdrm	hypo	CHG	-0.55
Gm11	23772939	23773496	Gmdrm	hypo	CHG	-0.428
Gm11	23782334	23782585	Gmdrm	hypo	CHG	-0.217
Gm11	23782886	23783027	Gmdrm	hypo	CHG	-0.058
Gm11	23823877	23823963	Gmdrm	hypo	CHG	-0.4338
Gm11	23826296	23826382	Gmdrm	hypo	CHG	-0.0781
Gm11	23826978	23827236	Gmdrm	hypo	CHG	-0.0791
Gm11	23827354	23827660	Gmdrm	hypo	CHG	-0.0814
Gm11	23828587	23828669	Gmdrm	hypo	CHG	-0.4812
Gm11	23829623	23829884	Gmdrm	hypo	CHG	-0.2229
Gm11	23832196	23832504	Gmdrm	hypo	CHG	-0.3446
Gm11	23841940	23842779	Gmdrm	hypo	CHG	-0.8748
Gm11	23843063	23843088	Gmdrm	hypo	CHG	-0.785
Gm11	23843503	23843594	Gmdrm	hypo	CHG	-0.7734
Gm11	23845257	23845321	Gmdrm	hypo	CHG	-0.636
Gm11	23845537	23845810	Gmdrm	hypo	CHG	-0.6372
Gm11	23846375	23846488	Gmdrm	hypo	CHG	-0.59
Gm11	23846991	23847280	Gmdrm	hypo	CHG	-0.694
Gm11	23847455	23847614	Gmdrm	hypo	CHG	-0.661
Gm11	23847727	23847904	Gmdrm	hypo	CHG	-0.703
Gm11	23855480	23855555	Gmdrm	hypo	CHG	-0.5787
Gm11	23857620	23857705	Gmdrm	hypo	CHG	-0.5728
Gm11	23871630	23871834	Gmdrm	hypo	CHG	-0.696
Gm11	23883893	23884295	Gmdrm	hypo	CHG	-0.6893
Gm11	23885022	23885055	Gmdrm	hypo	CHG	-0.524
Gm11	23885314	23885488	Gmdrm	hypo	CHG	-0.3543
Gm11	23885992	23886152	Gmdrm	hypo	CHG	-0.5388
Gm11	23903123	23903264	Gmdrm	hypo	CHG	-0.318
Gm11	23903525	23903923	Gmdrm	hypo	CHG	-0.3549

Gm11	23916460	23916542	Gmdrm	hypo	CHG	-0.714
Gm11	23952250	23952407	Gmdrm	hypo	CHG	-0.5845
Gm11	23952512	23952643	Gmdrm	hypo	CHG	-0.2263
Gm11	23955638	23955707	Gmdrm	hypo	CHG	-0.758
Gm11	23955920	23956021	Gmdrm	hypo	CHG	-0.8638
Gm11	23956960	23957081	Gmdrm	hypo	CHG	-0.336
Gm11	23957954	23958010	Gmdrm	hypo	CHG	-0.6085
Gm11	23959412	23959651	Gmdrm	hypo	CHG	-0.3515
Gm11	24023575	24023780	Gmdrm	hypo	CHG	-0.75
Gm11	24028116	24028536	Gmdrm	hypo	CHG	-0.5006
Gm11	24029797	24029985	Gmdrm	hypo	CHG	-0.2278
Gm11	24032410	24032598	Gmdrm	hypo	CHG	-0.566
Gm11	24033785	24033862	Gmdrm	hypo	CHG	-0.4867
Gm11	24068659	24068875	Gmdrm	hypo	CHG	-0.7728
Gm11	24075202	24075353	Gmdrm	hypo	CHG	-0.4588
Gm11	24079796	24079902	Gmdrm	hypo	CHG	-0.5
Gm11	24080743	24080852	Gmdrm	hypo	CHG	-0.8989
Gm11	24087692	24088679	Gmdrm	hypo	CHG	-0.3056
Gm11	24088697	24089686	Gmdrm	hypo	CHG	-0.3881
Gm11	24089909	24090900	Gmdrm	hypo	CHG	-0.205
Gm11	24108414	24108486	Gmdrm	hypo	CHG	-0.275
Gm11	24115395	24116289	Gmdrm	hypo	CHG	-0.4777
Gm11	24116579	24116693	Gmdrm	hypo	CHG	-0.7381
Gm11	24117046	24117160	Gmdrm	hypo	CHG	-0.5234
Gm11	24117307	24117344	Gmdrm	hypo	CHG	-0.6666
Gm11	24118866	24118935	Gmdrm	hypo	CHG	-0.312
Gm11	24121173	24121314	Gmdrm	hypo	CHG	-0.11
Gm11	24122136	24122227	Gmdrm	hypo	CHG	-0.164
Gm11	24122492	24122939	Gmdrm	hypo	CHG	-0.1067
Gm11	24124588	24124859	Gmdrm	hypo	CHG	-0.3717
Gm11	24124969	24125106	Gmdrm	hypo	CHG	-0.479
Gm11	24126952	24127091	Gmdrm	hypo	CHG	-0.1438
Gm11	24130746	24131172	Gmdrm	hypo	CHG	-0.2775
Gm11	24131356	24132010	Gmdrm	hypo	CHG	-0.5856
Gm11	24132138	24132361	Gmdrm	hypo	CHG	-0.5723
Gm11	24132666	24132827	Gmdrm	hypo	CHG	-0.6192
Gm11	24133316	24133841	Gmdrm	hypo	CHG	-0.4571
Gm11	24152412	24152807	Gmdrm	hypo	CHG	-0.5439
Gm11	24188509	24188554	Gmdrm	hypo	CHG	-0.5434
Gm11	24199028	24199255	Gmdrm	hypo	CHG	-0.5692
Gm11	24221036	24221502	Gmdrm	hypo	CHG	-0.7605
Gm11	24221658	24221772	Gmdrm	hypo	CHG	-0.1838
Gm11	24222972	24223176	Gmdrm	hypo	CHG	-0.28
Gm11	24225893	24226098	Gmdrm	hypo	CHG	-0.112
Gm11	24230982	24231166	Gmdrm	hypo	CHG	-0.4566
Gm11	24233334	24233467	Gmdrm	hypo	CHG	-0.5

Gm11	24241889	24242140	Gmdrm	hypo	CHG	-0.5391
Gm11	24244274	24244407	Gmdrm	hypo	CHG	-0.4227
Gm11	24260252	24260577	Gmdrm	hypo	CHG	-0.3864
Gm11	24262767	24262900	Gmdrm	hypo	CHG	-0.6854
Gm11	24279243	24279318	Gmdrm	hypo	CHG	-0.48
Gm11	24286053	24286167	Gmdrm	hypo	CHG	-0.4236
Gm11	24291035	24291072	Gmdrm	hypo	CHG	-0.2433
Gm11	24303705	24303987	Gmdrm	hypo	CHG	-0.3015
Gm11	24362535	24362775	Gmdrm	hypo	CHG	-0.7138
Gm11	24363187	24363248	Gmdrm	hypo	CHG	-0.0617
Gm11	24406059	24406381	Gmdrm	hypo	CHG	-0.6914
Gm11	24406510	24406574	Gmdrm	hypo	CHG	-0.702
Gm11	24406778	24406848	Gmdrm	hypo	CHG	-0.59
Gm11	24410645	24410778	Gmdrm	hypo	CHG	-0.0675
Gm11	24410925	24411234	Gmdrm	hypo	CHG	-0.5231
Gm11	24447700	24447975	Gmdrm	hypo	CHG	-0.2488
Gm11	24448254	24448461	Gmdrm	hypo	CHG	-0.292
Gm11	24453164	24453342	Gmdrm	hypo	CHG	-0.6388
Gm11	24459015	24459201	Gmdrm	hypo	CHG	-0.519
Gm11	24462265	24462308	Gmdrm	hypo	CHG	-0.0667
Gm11	24473021	24473183	Gmdrm	hypo	CHG	-0.6
Gm11	24488347	24488381	Gmdrm	hypo	CHG	-0.746
Gm11	24493608	24493724	Gmdrm	hypo	CHG	-0.3083
Gm11	24495876	24495924	Gmdrm	hypo	CHG	-0.4512
Gm11	24496816	24496968	Gmdrm	hypo	CHG	-0.25
Gm11	24498809	24498908	Gmdrm	hypo	CHG	-0.094
Gm11	24534323	24534513	Gmdrm	hypo	CHG	-0.3571
Gm11	24534655	24535062	Gmdrm	hypo	CHG	-0.7
Gm11	24551838	24552096	Gmdrm	hypo	CHG	-0.6633
Gm11	24593638	24594028	Gmdrm	hypo	CHG	-0.3333
Gm11	24596245	24596604	Gmdrm	hypo	CHG	-0.2845
Gm11	24596722	24596997	Gmdrm	hypo	CHG	-0.4817
Gm11	24597705	24597841	Gmdrm	hypo	CHG	-0.3829
Gm11	24612202	24612317	Gmdrm	hypo	CHG	-0.044
Gm11	24613454	24613946	Gmdrm	hypo	CHG	-0.8928
Gm11	24623645	24623674	Gmdrm	hypo	CHG	-0.872
Gm11	24624062	24624185	Gmdrm	hypo	CHG	-0.446
Gm11	24664676	24664767	Gmdrm	hypo	CHG	-0.8675
Gm11	24664877	24665033	Gmdrm	hypo	CHG	-0.4034
Gm11	25080732	25081109	Gmdrm	hypo	CHG	-0.2742
Gm11	25081356	25081463	Gmdrm	hypo	CHG	-0.5317
Gm11	25094367	25094490	Gmdrm	hypo	CHG	-0.03
Gm11	25099230	25099852	Gmdrm	hypo	CHG	-0.0443
Gm11	25763012	25763240	Gmdrm	hypo	CHG	-0.052
Gm11	25776295	25776582	Gmdrm	hypo	CHG	-0.2845
Gm11	25795648	25795756	Gmdrm	hypo	CHG	-0.056

Gm11	25901062	25901243	Gmdrm	hypo	CHG	-0.261
Gm11	26423990	26424295	Gmdrm	hypo	CHG	-0.2154
Gm11	26429496	26430460	Gmdrm	hypo	CHG	-0.1791
Gm11	26430554	26430963	Gmdrm	hypo	CHG	-0.16
Gm11	26431110	26431555	Gmdrm	hypo	CHG	-0.1256
Gm11	26431730	26432480	Gmdrm	hypo	CHG	-0.1288
Gm11	26435229	26435648	Gmdrm	hypo	CHG	-0.215
Gm11	26437907	26438493	Gmdrm	hypo	CHG	-0.1615
Gm11	26438859	26439326	Gmdrm	hypo	CHG	-0.1618
Gm11	26837332	26837487	Gmdrm	hypo	CHG	-0.4484
Gm11	26840870	26841085	Gmdrm	hypo	CHG	-0.3158
Gm11	26843753	26843863	Gmdrm	hypo	CHG	-0.062
Gm11	26847929	26848020	Gmdrm	hypo	CHG	-0.6612
Gm11	26848725	26848852	Gmdrm	hypo	CHG	-0.4426
Gm11	26850128	26850247	Gmdrm	hypo	CHG	-0.18
Gm11	26878965	26879113	Gmdrm	hypo	CHG	-0.299
Gm11	26881631	26881730	Gmdrm	hypo	CHG	-0.42
Gm11	27331135	27331145	Gmdrm	hypo	CHG	-0.182
Gm11	27631159	27631286	Gmdrm	hypo	CHG	-0.2217
Gm11	27689364	27689513	Gmdrm	hypo	CHG	-0.4183
Gm11	28164889	28165274	Gmdrm	hypo	CHG	-0.243
Gm11	28165376	28165527	Gmdrm	hypo	CHG	-0.3316
Gm11	28166539	28166600	Gmdrm	hypo	CHG	-0.0617
Gm11	28224569	28224703	Gmdrm	hypo	CHG	-0.4464
Gm11	28291262	28291331	Gmdrm	hypo	CHG	-0.566
Gm11	28609115	28609136	Gmdrm	hypo	CHG	-0.0966
Gm11	28644394	28644555	Gmdrm	hypo	CHG	-0.1956
Gm11	28843780	28844075	Gmdrm	hypo	CHG	-0.0584
Gm11	28906166	28906365	Gmdrm	hypo	CHG	-0.3036
Gm11	28915887	28916064	Gmdrm	hypo	CHG	-0.068
Gm11	29037811	29037898	Gmdrm	hypo	CHG	-0.183
Gm11	29104462	29104495	Gmdrm	hypo	CHG	-0.6766
Gm11	29106712	29106848	Gmdrm	hypo	CHG	-0.3067
Gm11	29145973	29146131	Gmdrm	hypo	CHG	-0.6008
Gm11	29241112	29241129	Gmdrm	hypo	CHG	-0.4783
Gm11	29379197	29379332	Gmdrm	hypo	CHG	-0.5828
Gm11	29382331	29382446	Gmdrm	hypo	CHG	-0.455
Gm11	29383762	29383890	Gmdrm	hypo	CHG	-0.931
Gm11	29389915	29390283	Gmdrm	hypo	CHG	-0.2555
Gm11	29412426	29412804	Gmdrm	hypo	CHG	-0.66
Gm11	29511568	29511822	Gmdrm	hypo	CHG	-0.1571
Gm11	29873971	29874106	Gmdrm	hypo	CHG	-0.045
Gm11	29888253	29888310	Gmdrm	hypo	CHG	-0.2062
Gm11	29969279	29969630	Gmdrm	hypo	CHG	-0.6594
Gm11	29969785	29969874	Gmdrm	hypo	CHG	-0.4684
Gm11	29987038	29987209	Gmdrm	hypo	CHG	-0.7

Gm11	29991097	29991227	Gmdrm	hypo	CHG	-0.4746
Gm11	30002823	30003121	Gmdrm	hypo	CHG	-0.1405
Gm11	30551387	30551484	Gmdrm	hypo	CHG	-0.0944
Gm11	30632805	30633089	Gmdrm	hypo	CHG	-0.4856
Gm11	30709785	30710498	Gmdrm	hypo	CHG	-0.1841
Gm11	30727123	30727556	Gmdrm	hypo	CHG	-0.1989
Gm11	30748437	30748576	Gmdrm	hypo	CHG	-0.3577
Gm11	30748693	30749047	Gmdrm	hypo	CHG	-0.4666
Gm11	30749209	30749713	Gmdrm	hypo	CHG	-0.2906
Gm11	30829907	30830238	Gmdrm	hypo	CHG	-0.2594
Gm11	30830400	30830954	Gmdrm	hypo	CHG	-0.3482
Gm11	30832120	30832238	Gmdrm	hypo	CHG	-0.092
Gm11	30878945	30879517	Gmdrm	hypo	CHG	-0.4324
Gm11	30883969	30884193	Gmdrm	hypo	CHG	-0.4334
Gm11	30884414	30884553	Gmdrm	hypo	CHG	-0.2567
Gm11	30905509	30906231	Gmdrm	hypo	CHG	-0.1955
Gm11	30908435	30908738	Gmdrm	hypo	CHG	-0.214
Gm11	30908852	30909072	Gmdrm	hypo	CHG	-0.2775
Gm11	30909248	30909562	Gmdrm	hypo	CHG	-0.2894
Gm11	30910016	30910045	Gmdrm	hypo	CHG	-0.3583
Gm11	30911325	30911564	Gmdrm	hypo	CHG	-0.235
Gm11	30915322	30915559	Gmdrm	hypo	CHG	-0.2355
Gm11	30915723	30915861	Gmdrm	hypo	CHG	-0.2699
Gm11	30916346	30916467	Gmdrm	hypo	CHG	-0.6327
Gm11	30916657	30916788	Gmdrm	hypo	CHG	-0.32
Gm11	30919837	30919995	Gmdrm	hypo	CHG	-0.1078
Gm11	30920120	30920358	Gmdrm	hypo	CHG	-0.3318
Gm11	30920876	30921080	Gmdrm	hypo	CHG	-0.44
Gm11	30982982	30983361	Gmdrm	hypo	CHG	-0.2341
Gm11	30987053	30987156	Gmdrm	hypo	CHG	-0.0767
Gm11	30989064	30989113	Gmdrm	hypo	CHG	-0.264
Gm11	31001189	31001344	Gmdrm	hypo	CHG	-0.335
Gm11	31001533	31001652	Gmdrm	hypo	CHG	-0.312
Gm11	31002883	31002972	Gmdrm	hypo	CHG	-0.3514
Gm11	31004021	31004172	Gmdrm	hypo	CHG	-0.078
Gm11	31037619	31038140	Gmdrm	hypo	CHG	-0.085
Gm11	31059050	31059285	Gmdrm	hypo	CHG	-0.45
Gm11	31202906	31203058	Gmdrm	hypo	CHG	-0.462
Gm11	31207466	31207906	Gmdrm	hypo	CHG	-0.1923
Gm11	31208533	31208658	Gmdrm	hypo	CHG	-0.4887
Gm11	31211016	31211220	Gmdrm	hypo	CHG	-0.6238
Gm11	31252806	31253124	Gmdrm	hypo	CHG	-0.6265
Gm11	31293876	31294143	Gmdrm	hypo	CHG	-0.113
Gm11	31569988	31570166	Gmdrm	hypo	CHG	-0.5134
Gm11	31572871	31573136	Gmdrm	hypo	CHG	-0.3585
Gm11	31574267	31574521	Gmdrm	hypo	CHG	-0.461

Gm11	31629632	31629716 Gmdrm	hypo	CHG	-0.0666
Gm11	31631009	31631201 Gmdrm	hypo	CHG	-0.5869
Gm11	31632092	31632410 Gmdrm	hypo	CHG	-0.2157
Gm11	31665194	31665370 Gmdrm	hypo	CHG	-0.75
Gm11	31665476	31665564 Gmdrm	hypo	CHG	-0.4867
Gm11	31665805	31665999 Gmdrm	hypo	CHG	-0.8308
Gm11	31668570	31668721 Gmdrm	hypo	CHG	-0.314
Gm11	31906677	31906906 Gmdrm	hypo	CHG	-0.096
Gm11	31907166	31907357 Gmdrm	hypo	CHG	-0.2107
Gm11	31907834	31907939 Gmdrm	hypo	CHG	-0.18
Gm11	31908249	31908790 Gmdrm	hypo	CHG	-0.0817
Gm11	31936695	31936844 Gmdrm	hypo	CHG	-0.53
Gm11	31937113	31937305 Gmdrm	hypo	CHG	-0.0882
Gm11	32028841	32029043 Gmdrm	hypo	CHG	-0.3571
Gm11	32087529	32087792 Gmdrm	hypo	CHG	-0.306
Gm11	32102637	32102798 Gmdrm	hypo	CHG	-0.3501
Gm11	32373397	32373461 Gmdrm	hypo	CHG	-0.5817
Gm11	32400724	32401003 Gmdrm	hypo	CHG	-0.1533
Gm11	32528593	32528839 Gmdrm	hypo	CHG	-0.2266
Gm11	32531012	32531088 Gmdrm	hypo	CHG	-0.5433
Gm11	32531268	32531409 Gmdrm	hypo	CHG	-0.1843
Gm11	32588454	32588544 Gmdrm	hypo	CHG	-0.2486
Gm11	32607976	32608102 Gmdrm	hypo	CHG	-0.515
Gm11	32618539	32618816 Gmdrm	hypo	CHG	-0.7437
Gm11	32621704	32622030 Gmdrm	hypo	CHG	-0.1641
Gm11	32626278	32626456 Gmdrm	hypo	CHG	-0.4638
Gm11	32626588	32626702 Gmdrm	hypo	CHG	-0.47
Gm11	32698942	32699124 Gmdrm	hypo	CHG	-0.074
Gm11	32707138	32707509 Gmdrm	hypo	CHG	-0.2842
Gm11	32757084	32757210 Gmdrm	hypo	CHG	-0.244
Gm11	32815814	32815898 Gmdrm	hypo	CHG	-0.308
Gm11	32816309	32816503 Gmdrm	hypo	CHG	-0.355
Gm11	32819455	32819756 Gmdrm	hypo	CHG	-0.3831
Gm11	32820264	32820561 Gmdrm	hypo	CHG	-0.5085
Gm11	32934268	32934815 Gmdrm	hypo	CHG	-0.2178
Gm11	32941390	32941692 Gmdrm	hypo	CHG	-0.53
Gm11	32942007	32942196 Gmdrm	hypo	CHG	-0.7627
Gm11	32942347	32942528 Gmdrm	hypo	CHG	-0.7127
Gm11	32954235	32954315 Gmdrm	hypo	CHG	-0.7044
Gm11	32955021	32955130 Gmdrm	hypo	CHG	-0.3212
Gm11	32960233	32960434 Gmdrm	hypo	CHG	-0.6747
Gm11	32975096	32975195 Gmdrm	hypo	CHG	-0.575
Gm11	32984629	32984799 Gmdrm	hypo	CHG	-0.7851
Gm11	32984923	32985388 Gmdrm	hypo	CHG	-0.2256
Gm11	32985549	32985672 Gmdrm	hypo	CHG	-0.5375
Gm11	33004000	33004235 Gmdrm	hypo	CHG	-0.415

Gm11	33069846	33070603	Gmdrm	hypo	CHG	-0.2715
Gm11	33078612	33078708	Gmdrm	hypo	CHG	-0.7683
Gm11	33078874	33078970	Gmdrm	hypo	CHG	-0.5916
Gm11	33096366	33096571	Gmdrm	hypo	CHG	-0.0483
Gm11	33100716	33100744	Gmdrm	hypo	CHG	-0.6414
Gm11	33106490	33106606	Gmdrm	hypo	CHG	-0.8711
Gm11	33107082	33107371	Gmdrm	hypo	CHG	-0.58
Gm11	33120457	33120640	Gmdrm	hypo	CHG	-0.188
Gm11	33130567	33130660	Gmdrm	hypo	CHG	-0.392
Gm11	33147245	33147579	Gmdrm	hypo	CHG	-0.0387
Gm11	33176328	33176686	Gmdrm	hypo	CHG	-0.4945
Gm11	33176831	33177003	Gmdrm	hypo	CHG	-0.4263
Gm11	33196686	33196862	Gmdrm	hypo	CHG	-0.5189
Gm11	33198979	33199191	Gmdrm	hypo	CHG	-0.3233
Gm11	33231896	33232102	Gmdrm	hypo	CHG	-0.5111
Gm11	33247298	33247356	Gmdrm	hypo	CHG	-0.0557
Gm11	33251197	33251282	Gmdrm	hypo	CHG	-0.19
Gm11	33251724	33251915	Gmdrm	hypo	CHG	-0.2214
Gm11	33257264	33257368	Gmdrm	hypo	CHG	-0.64
Gm11	33259412	33259440	Gmdrm	hypo	CHG	-0.488
Gm11	33260225	33260245	Gmdrm	hypo	CHG	-0.62
Gm11	33260781	33260866	Gmdrm	hypo	CHG	-0.524
Gm11	33262234	33262356	Gmdrm	hypo	CHG	-0.3812
Gm11	33266273	33266428	Gmdrm	hypo	CHG	-0.366
Gm11	33306358	33306437	Gmdrm	hypo	CHG	-0.779
Gm11	33311248	33311398	Gmdrm	hypo	CHG	-0.048
Gm11	33318273	33318582	Gmdrm	hypo	CHG	-0.029
Gm11	33319810	33319873	Gmdrm	hypo	CHG	-0.72
Gm11	33320498	33320563	Gmdrm	hypo	CHG	-0.5933
Gm11	33321389	33321551	Gmdrm	hypo	CHG	-0.0916
Gm11	33362806	33363228	Gmdrm	hypo	CHG	-0.0348
Gm11	33365032	33365441	Gmdrm	hypo	CHG	-0.2034
Gm11	33365564	33366148	Gmdrm	hypo	CHG	-0.2325
Gm11	33405375	33405672	Gmdrm	hypo	CHG	-0.7146
Gm11	33406422	33406630	Gmdrm	hypo	CHG	-0.6536
Gm11	33406737	33407219	Gmdrm	hypo	CHG	-0.7495
Gm11	33409425	33409563	Gmdrm	hypo	CHG	-0.71
Gm11	33409719	33409784	Gmdrm	hypo	CHG	-0.4933
Gm11	33420818	33421215	Gmdrm	hypo	CHG	-0.0272
Gm11	33422211	33422278	Gmdrm	hypo	CHG	-0.3167
Gm11	33447524	33447884	Gmdrm	hypo	CHG	-0.0775
Gm11	33451263	33451580	Gmdrm	hypo	CHG	-0.1911
Gm11	33451696	33452098	Gmdrm	hypo	CHG	-0.1133
Gm11	33453376	33453983	Gmdrm	hypo	CHG	-0.2222
Gm11	33485228	33485611	Gmdrm	hypo	CHG	-0.2231
Gm11	33520631	33520958	Gmdrm	hypo	CHG	-0.3234

Gm11	33521117	33521327	Gmdrm	hypo	CHG	-0.5985
Gm11	33522040	33522112	Gmdrm	hypo	CHG	-0.5217
Gm11	33522458	33522608	Gmdrm	hypo	CHG	-0.665
Gm11	33530012	33530264	Gmdrm	hypo	CHG	-0.5279
Gm11	33543679	33544064	Gmdrm	hypo	CHG	-0.3218
Gm11	33551873	33551886	Gmdrm	hypo	CHG	-0.405
Gm11	33561058	33561178	Gmdrm	hypo	CHG	-0.135
Gm11	33565316	33565442	Gmdrm	hypo	CHG	-0.07
Gm11	33589600	33589962	Gmdrm	hypo	CHG	-0.2235
Gm11	33594047	33594255	Gmdrm	hypo	CHG	-0.072
Gm11	33594361	33594469	Gmdrm	hypo	CHG	-0.165
Gm11	33594758	33594866	Gmdrm	hypo	CHG	-0.1767
Gm11	33607351	33607431	Gmdrm	hypo	CHG	-0.245
Gm11	33607781	33607962	Gmdrm	hypo	CHG	-0.475
Gm11	33626175	33626511	Gmdrm	hypo	CHG	-0.1125
Gm11	33626632	33626732	Gmdrm	hypo	CHG	-0.3784
Gm11	33626955	33627031	Gmdrm	hypo	CHG	-0.0376
Gm11	33634359	33634489	Gmdrm	hypo	CHG	-0.214
Gm11	33636612	33636752	Gmdrm	hypo	CHG	-0.3491
Gm11	33647580	33647787	Gmdrm	hypo	CHG	-0.6481
Gm11	33690153	33690273	Gmdrm	hypo	CHG	-0.395
Gm11	33693811	33693975	Gmdrm	hypo	CHG	-0.53
Gm11	33697078	33697324	Gmdrm	hypo	CHG	-0.0462
Gm11	33698032	33698165	Gmdrm	hypo	CHG	-0.6686
Gm11	33699933	33700053	Gmdrm	hypo	CHG	-0.198
Gm11	33700402	33700541	Gmdrm	hypo	CHG	-0.3423
Gm11	33725188	33725662	Gmdrm	hypo	CHG	-0.555
Gm11	33849738	33849887	Gmdrm	hypo	CHG	-0.0992
Gm11	33855710	33855844	Gmdrm	hypo	CHG	-0.099
Gm11	33914886	33915085	Gmdrm	hypo	CHG	-0.1038
Gm11	33928748	33929091	Gmdrm	hypo	CHG	-0.3195
Gm11	33980446	33980624	Gmdrm	hypo	CHG	-0.4727
Gm11	33990895	33991117	Gmdrm	hypo	CHG	-0.742
Gm11	33994424	33994484	Gmdrm	hypo	CHG	-0.785
Gm11	33999144	33999290	Gmdrm	hypo	CHG	-0.1924
Gm11	34023273	34023713	Gmdrm	hypo	CHG	-0.2263
Gm11	34035222	34035241	Gmdrm	hypo	CHG	-0.4683
Gm11	34035388	34035653	Gmdrm	hypo	CHG	-0.4962
Gm11	34035926	34035953	Gmdrm	hypo	CHG	-0.606
Gm11	34036071	34036131	Gmdrm	hypo	CHG	-0.11
Gm11	34174770	34175007	Gmdrm	hypo	CHG	-0.4072
Gm11	34175223	34175337	Gmdrm	hypo	CHG	-0.3725
Gm11	34254432	34254791	Gmdrm	hypo	CHG	-0.3894
Gm11	34305061	34305158	Gmdrm	hypo	CHG	-0.504
Gm11	34400703	34400881	Gmdrm	hypo	CHG	-0.44
Gm11	34405917	34406268	Gmdrm	hypo	CHG	-0.3478

Gm11	34583777	34583907	Gmdrm	hypo	CHG	-0.3063
Gm11	34584059	34584290	Gmdrm	hypo	CHG	-0.3614
Gm11	34617362	34617644	Gmdrm	hypo	CHG	-0.2713
Gm11	34655824	34656457	Gmdrm	hypo	CHG	-0.0305
Gm11	34695206	34695264	Gmdrm	hypo	CHG	-0.122
Gm11	34696802	34696923	Gmdrm	hypo	CHG	-0.7118
Gm11	34992350	34992747	Gmdrm	hypo	CHG	-0.5258
Gm11	34995864	34996363	Gmdrm	hypo	CHG	-0.1329
Gm11	34996475	34996622	Gmdrm	hypo	CHG	-0.2925
Gm11	34996739	34996961	Gmdrm	hypo	CHG	-0.1625
Gm11	35020204	35020277	Gmdrm	hypo	CHG	-0.57
Gm11	35034725	35035076	Gmdrm	hypo	CHG	-0.2189
Gm11	35035182	35035360	Gmdrm	hypo	CHG	-0.114
Gm11	35035462	35036142	Gmdrm	hypo	CHG	-0.2103
Gm11	35044525	35044984	Gmdrm	hypo	CHG	-0.1286
Gm11	35045127	35045205	Gmdrm	hypo	CHG	-0.356
Gm11	35062620	35062869	Gmdrm	hypo	CHG	-0.231
Gm11	35062980	35063496	Gmdrm	hypo	CHG	-0.2053
Gm11	35063747	35064715	Gmdrm	hypo	CHG	-0.2392
Gm11	35064757	35065039	Gmdrm	hypo	CHG	-0.3307
Gm11	35067774	35067877	Gmdrm	hypo	CHG	-0.06
Gm11	35091440	35091859	Gmdrm	hypo	CHG	-0.3173
Gm11	35115133	35115363	Gmdrm	hypo	CHG	-0.2838
Gm11	35115702	35115925	Gmdrm	hypo	CHG	-0.33
Gm11	35118636	35119205	Gmdrm	hypo	CHG	-0.1483
Gm11	35119357	35120355	Gmdrm	hypo	CHG	-0.2512
Gm11	35124356	35125356	Gmdrm	hypo	CHG	-0.2875
Gm11	35125511	35126161	Gmdrm	hypo	CHG	-0.0417
Gm11	35131714	35132211	Gmdrm	hypo	CHG	-0.2729
Gm11	35134460	35134818	Gmdrm	hypo	CHG	-0.7971
Gm11	35138413	35138645	Gmdrm	hypo	CHG	-0.038
Gm11	35139512	35139559	Gmdrm	hypo	CHG	-0.15
Gm11	35148073	35148153	Gmdrm	hypo	CHG	-0.4271
Gm11	35148876	35148960	Gmdrm	hypo	CHG	-0.3683
Gm11	35154298	35154410	Gmdrm	hypo	CHG	-0.0189
Gm11	35179934	35180268	Gmdrm	hypo	CHG	-0.5917
Gm11	35180390	35180588	Gmdrm	hypo	CHG	-0.4075
Gm11	35180928	35181073	Gmdrm	hypo	CHG	-0.4943
Gm11	35187626	35188394	Gmdrm	hypo	CHG	-0.7132
Gm11	35189370	35189714	Gmdrm	hypo	CHG	-0.5546
Gm11	35192444	35192543	Gmdrm	hypo	CHG	-0.556
Gm11	35242557	35242989	Gmdrm	hypo	CHG	-0.7638
Gm11	35248963	35249172	Gmdrm	hypo	CHG	-0.08
Gm11	35265440	35265661	Gmdrm	hypo	CHG	-0.7537
Gm11	35265973	35266058	Gmdrm	hypo	CHG	-0.585
Gm11	35266201	35266255	Gmdrm	hypo	CHG	-0.046

Gm11	35288018	35288129	Gmdrm	hypo	CHG	-0.036
Gm11	35289195	35289532	Gmdrm	hypo	CHG	-0.6008
Gm11	35296792	35297032	Gmdrm	hypo	CHG	-0.0356
Gm11	35314643	35314971	Gmdrm	hypo	CHG	-0.6785
Gm11	35315113	35315359	Gmdrm	hypo	CHG	-0.2445
Gm11	35315463	35315753	Gmdrm	hypo	CHG	-0.4382
Gm11	35335086	35335255	Gmdrm	hypo	CHG	-0.65
Gm11	35341353	35342042	Gmdrm	hypo	CHG	-0.0653
Gm11	35342541	35342676	Gmdrm	hypo	CHG	-0.3026
Gm11	35345724	35346002	Gmdrm	hypo	CHG	-0.8365
Gm11	35351447	35351472	Gmdrm	hypo	CHG	-0.8183
Gm11	35356224	35356357	Gmdrm	hypo	CHG	-0.5043
Gm11	35357550	35357637	Gmdrm	hypo	CHG	-0.68
Gm11	35367434	35367501	Gmdrm	hypo	CHG	-0.786
Gm11	35403547	35403631	Gmdrm	hypo	CHG	-0.0667
Gm11	35411603	35411881	Gmdrm	hypo	CHG	-0.168
Gm11	35422685	35422784	Gmdrm	hypo	CHG	-0.5833
Gm11	35426180	35426833	Gmdrm	hypo	CHG	-0.0318
Gm11	35429576	35429734	Gmdrm	hypo	CHG	-0.468
Gm11	35447345	35447577	Gmdrm	hypo	CHG	-0.2458
Gm11	35456966	35457367	Gmdrm	hypo	CHG	-0.64
Gm11	35469221	35469306	Gmdrm	hypo	CHG	-0.04
Gm11	35485388	35485434	Gmdrm	hypo	CHG	-0.268
Gm11	35516310	35516382	Gmdrm	hypo	CHG	-0.356
Gm11	35516520	35516698	Gmdrm	hypo	CHG	-0.4557
Gm11	35542371	35542531	Gmdrm	hypo	CHG	-0.5649
Gm11	35591431	35591582	Gmdrm	hypo	CHG	-0.4278
Gm11	35592187	35592346	Gmdrm	hypo	CHG	-0.5962
Gm11	35594035	35594201	Gmdrm	hypo	CHG	-0.373
Gm11	35594527	35594643	Gmdrm	hypo	CHG	-0.5867
Gm11	35595883	35596448	Gmdrm	hypo	CHG	-0.3776
Gm11	35613068	35613230	Gmdrm	hypo	CHG	-0.742
Gm11	35620369	35620518	Gmdrm	hypo	CHG	-0.045
Gm11	35626073	35626256	Gmdrm	hypo	CHG	-0.385
Gm11	35639582	35639892	Gmdrm	hypo	CHG	-0.5654
Gm11	35640011	35640180	Gmdrm	hypo	CHG	-0.6057
Gm11	35641888	35642347	Gmdrm	hypo	CHG	-0.2953
Gm11	35642501	35642925	Gmdrm	hypo	CHG	-0.3881
Gm11	35646004	35646436	Gmdrm	hypo	CHG	-0.8078
Gm11	35656811	35656909	Gmdrm	hypo	CHG	-0.4623
Gm11	35658201	35658450	Gmdrm	hypo	CHG	-0.2272
Gm11	35683576	35683636	Gmdrm	hypo	CHG	-0.0467
Gm11	35685850	35686015	Gmdrm	hypo	CHG	-0.7678
Gm11	35695189	35695363	Gmdrm	hypo	CHG	-0.0389
Gm11	35700649	35700843	Gmdrm	hypo	CHG	-0.4136
Gm11	35704990	35705464	Gmdrm	hypo	CHG	-0.5087

Gm11	35711526	35711626	Gmdrm	hypo	CHG	-0.523
Gm11	35730682	35730830	Gmdrm	hypo	CHG	-0.908
Gm11	35738905	35739022	Gmdrm	hypo	CHG	-0.4057
Gm11	35765986	35766218	Gmdrm	hypo	CHG	-0.4108
Gm11	35771724	35771896	Gmdrm	hypo	CHG	-0.6357
Gm11	35774350	35774399	Gmdrm	hypo	CHG	-0.4034
Gm11	35775933	35776148	Gmdrm	hypo	CHG	-0.7889
Gm11	35777757	35778078	Gmdrm	hypo	CHG	-0.285
Gm11	35814866	35815060	Gmdrm	hypo	CHG	-0.036
Gm11	35835583	35835903	Gmdrm	hypo	CHG	-0.3431
Gm11	35845271	35845383	Gmdrm	hypo	CHG	-0.6566
Gm11	35848317	35848424	Gmdrm	hypo	CHG	-0.66
Gm11	35849731	35849859	Gmdrm	hypo	CHG	-0.3243
Gm11	35862374	35862705	Gmdrm	hypo	CHG	-0.1319
Gm11	35876005	35876207	Gmdrm	hypo	CHG	-0.471
Gm11	35878785	35878867	Gmdrm	hypo	CHG	-0.4533
Gm11	35878985	35879201	Gmdrm	hypo	CHG	-0.3525
Gm11	35896210	35896351	Gmdrm	hypo	CHG	-0.485
Gm11	35929416	35929611	Gmdrm	hypo	CHG	-0.5128
Gm11	35933291	35933482	Gmdrm	hypo	CHG	-0.058
Gm11	35936918	35937243	Gmdrm	hypo	CHG	-0.2794
Gm11	35954225	35954486	Gmdrm	hypo	CHG	-0.5114
Gm11	35961476	35961664	Gmdrm	hypo	CHG	-0.4693
Gm11	35961823	35961877	Gmdrm	hypo	CHG	-0.345
Gm11	35974860	35975067	Gmdrm	hypo	CHG	-0.3292
Gm11	35975305	35975395	Gmdrm	hypo	CHG	-0.42
Gm11	35983784	35983914	Gmdrm	hypo	CHG	-0.5312
Gm11	35990087	35990190	Gmdrm	hypo	CHG	-0.342
Gm11	36008332	36008929	Gmdrm	hypo	CHG	-0.1728
Gm11	36016004	36016258	Gmdrm	hypo	CHG	-0.0588
Gm11	36026121	36026399	Gmdrm	hypo	CHG	-0.4528
Gm11	36031382	36031928	Gmdrm	hypo	CHG	-0.3324
Gm11	36033043	36033219	Gmdrm	hypo	CHG	-0.4919
Gm11	36039617	36039767	Gmdrm	hypo	CHG	-0.7986
Gm11	36042625	36043176	Gmdrm	hypo	CHG	-0.0737
Gm11	36077441	36077571	Gmdrm	hypo	CHG	-0.6575
Gm11	36077819	36077940	Gmdrm	hypo	CHG	-0.4973
Gm11	36079038	36079269	Gmdrm	hypo	CHG	-0.7694
Gm11	36083616	36083961	Gmdrm	hypo	CHG	-0.4933
Gm11	36088258	36088281	Gmdrm	hypo	CHG	-0.2483
Gm11	36088803	36088877	Gmdrm	hypo	CHG	-0.4128
Gm11	36096347	36096531	Gmdrm	hypo	CHG	-0.07
Gm11	36107595	36107854	Gmdrm	hypo	CHG	-0.2028
Gm11	36115049	36115441	Gmdrm	hypo	CHG	-0.1748
Gm11	36115881	36116071	Gmdrm	hypo	CHG	-0.105
Gm11	36125596	36125820	Gmdrm	hypo	CHG	-0.085

Gm11	36134473	36134856	Gmdrm	hypo	CHG	-0.12
Gm11	36137508	36137874	Gmdrm	hypo	CHG	-0.1844
Gm11	36137994	36138263	Gmdrm	hypo	CHG	-0.514
Gm11	36156940	36157223	Gmdrm	hypo	CHG	-0.056
Gm11	36170758	36170963	Gmdrm	hypo	CHG	-0.4467
Gm11	36172108	36172539	Gmdrm	hypo	CHG	-0.2281
Gm11	36180771	36181420	Gmdrm	hypo	CHG	-0.167
Gm11	36200526	36200614	Gmdrm	hypo	CHG	-0.8
Gm11	36203134	36203537	Gmdrm	hypo	CHG	-0.2133
Gm11	36213068	36213332	Gmdrm	hypo	CHG	-0.0357
Gm11	36234374	36234514	Gmdrm	hypo	CHG	-0.7175
Gm11	36236217	36236422	Gmdrm	hypo	CHG	-0.5607
Gm11	36236559	36236641	Gmdrm	hypo	CHG	-0.6733
Gm11	36237119	36237156	Gmdrm	hypo	CHG	-0.752
Gm11	36257692	36258056	Gmdrm	hypo	CHG	-0.4985
Gm11	36258196	36258397	Gmdrm	hypo	CHG	-0.7014
Gm11	36258533	36258550	Gmdrm	hypo	CHG	-0.73
Gm11	36281412	36281624	Gmdrm	hypo	CHG	-0.3866
Gm11	36281844	36282050	Gmdrm	hypo	CHG	-0.5663
Gm11	36283667	36283720	Gmdrm	hypo	CHG	-0.7575
Gm11	36307836	36307934	Gmdrm	hypo	CHG	-0.0417
Gm11	36314049	36314106	Gmdrm	hypo	CHG	-0.8933
Gm11	36331660	36331914	Gmdrm	hypo	CHG	-0.3255
Gm11	36332204	36332453	Gmdrm	hypo	CHG	-0.5961
Gm11	36332575	36332634	Gmdrm	hypo	CHG	-0.5613
Gm11	36333067	36333184	Gmdrm	hypo	CHG	-0.4733
Gm11	36336224	36336369	Gmdrm	hypo	CHG	-0.7227
Gm11	36336595	36336826	Gmdrm	hypo	CHG	-0.6019
Gm11	36337466	36337874	Gmdrm	hypo	CHG	-0.574
Gm11	36339170	36339415	Gmdrm	hypo	CHG	-0.3038
Gm11	36339592	36339924	Gmdrm	hypo	CHG	-0.3887
Gm11	36353280	36353825	Gmdrm	hypo	CHG	-0.6234
Gm11	36355410	36355566	Gmdrm	hypo	CHG	-0.036
Gm11	36375316	36375405	Gmdrm	hypo	CHG	-0.574
Gm11	36375827	36375928	Gmdrm	hypo	CHG	-0.804
Gm11	36376029	36376161	Gmdrm	hypo	CHG	-0.5733
Gm11	36378064	36378189	Gmdrm	hypo	CHG	-0.4433
Gm11	36378321	36378544	Gmdrm	hypo	CHG	-0.7454
Gm11	36380462	36380517	Gmdrm	hypo	CHG	-0.723
Gm11	36381041	36381205	Gmdrm	hypo	CHG	-0.5941
Gm11	36393760	36393877	Gmdrm	hypo	CHG	-0.3838
Gm11	36395672	36395784	Gmdrm	hypo	CHG	-0.46
Gm11	36396009	36396228	Gmdrm	hypo	CHG	-0.0644
Gm11	36416478	36416682	Gmdrm	hypo	CHG	-0.8594
Gm11	36429609	36429889	Gmdrm	hypo	CHG	-0.2381
Gm11	36447728	36448034	Gmdrm	hypo	CHG	-0.7663

Gm11	36448154	36448255	Gmdrm	hypo	CHG	-0.813
Gm11	36448588	36448755	Gmdrm	hypo	CHG	-0.6214
Gm11	36448922	36449183	Gmdrm	hypo	CHG	-0.572
Gm11	36451192	36452169	Gmdrm	hypo	CHG	-0.2346
Gm11	36460884	36460989	Gmdrm	hypo	CHG	-0.07
Gm11	36474874	36475001	Gmdrm	hypo	CHG	-0.3967
Gm11	36479743	36479865	Gmdrm	hypo	CHG	-0.5966
Gm11	36491301	36491529	Gmdrm	hypo	CHG	-0.9041
Gm11	36492158	36492242	Gmdrm	hypo	CHG	-0.7785
Gm11	36492851	36493298	Gmdrm	hypo	CHG	-0.7319
Gm11	36520310	36520353	Gmdrm	hypo	CHG	-0.5
Gm11	36520755	36520814	Gmdrm	hypo	CHG	-0.048
Gm11	36521734	36522011	Gmdrm	hypo	CHG	-0.3779
Gm11	36530305	36530369	Gmdrm	hypo	CHG	-0.8
Gm11	36547850	36547921	Gmdrm	hypo	CHG	-0.451
Gm11	36562253	36562415	Gmdrm	hypo	CHG	-0.7785
Gm11	36565453	36565734	Gmdrm	hypo	CHG	-0.0462
Gm11	36572465	36573059	Gmdrm	hypo	CHG	-0.0369
Gm11	36588297	36588914	Gmdrm	hypo	CHG	-0.312
Gm11	36599982	36600226	Gmdrm	hypo	CHG	-0.62
Gm11	36600344	36600440	Gmdrm	hypo	CHG	-0.76
Gm11	36600591	36600711	Gmdrm	hypo	CHG	-0.71
Gm11	36600826	36601031	Gmdrm	hypo	CHG	-0.262
Gm11	36612691	36612725	Gmdrm	hypo	CHG	-0.2666
Gm11	36614285	36614532	Gmdrm	hypo	CHG	-0.305
Gm11	36626303	36626494	Gmdrm	hypo	CHG	-0.1375
Gm11	36633242	36633340	Gmdrm	hypo	CHG	-0.6214
Gm11	36657751	36657887	Gmdrm	hypo	CHG	-0.365
Gm11	36658655	36658918	Gmdrm	hypo	CHG	-0.0311
Gm11	36663984	36664134	Gmdrm	hypo	CHG	-0.662
Gm11	36664247	36664497	Gmdrm	hypo	CHG	-0.9294
Gm11	36664711	36664829	Gmdrm	hypo	CHG	-0.958
Gm11	36670204	36670344	Gmdrm	hypo	CHG	-0.2867
Gm11	36670501	36670818	Gmdrm	hypo	CHG	-0.2036
Gm11	36671311	36671912	Gmdrm	hypo	CHG	-0.5382
Gm11	36680169	36680440	Gmdrm	hypo	CHG	-0.391
Gm11	36685081	36685180	Gmdrm	hypo	CHG	-0.034
Gm11	36699832	36699968	Gmdrm	hypo	CHG	-0.5108
Gm11	36701517	36701904	Gmdrm	hypo	CHG	-0.7133
Gm11	36702025	36702062	Gmdrm	hypo	CHG	-0.638
Gm11	36702310	36702367	Gmdrm	hypo	CHG	-0.216
Gm11	36723746	36723874	Gmdrm	hypo	CHG	-0.636
Gm11	36734889	36735243	Gmdrm	hypo	CHG	-0.25
Gm11	36748817	36748956	Gmdrm	hypo	CHG	-0.1818
Gm11	36762876	36763180	Gmdrm	hypo	CHG	-0.0528
Gm11	36764139	36764397	Gmdrm	hypo	CHG	-0.0938

Gm11	36765223	36765312	Gmdrm	hypo	CHG	-0.4643
Gm11	36765684	36766043	Gmdrm	hypo	CHG	-0.2113
Gm11	36772807	36772957	Gmdrm	hypo	CHG	-0.4713
Gm11	36815191	36815430	Gmdrm	hypo	CHG	-0.4477
Gm11	36830518	36830773	Gmdrm	hypo	CHG	-0.5364
Gm11	36837140	36837243	Gmdrm	hypo	CHG	-0.8517
Gm11	36860616	36860695	Gmdrm	hypo	CHG	-0.4914
Gm11	36868235	36868564	Gmdrm	hypo	CHG	-0.5057
Gm11	36902896	36903033	Gmdrm	hypo	CHG	-0.77
Gm11	36903192	36903559	Gmdrm	hypo	CHG	-0.6489
Gm11	36909707	36910178	Gmdrm	hypo	CHG	-0.3066
Gm11	36920362	36920526	Gmdrm	hypo	CHG	-0.1953
Gm11	36932094	36932220	Gmdrm	hypo	CHG	-0.6833
Gm11	36943919	36944270	Gmdrm	hypo	CHG	-0.1467
Gm11	36949174	36949555	Gmdrm	hypo	CHG	-0.7837
Gm11	36949669	36949813	Gmdrm	hypo	CHG	-0.9439
Gm11	36949915	36949956	Gmdrm	hypo	CHG	-0.1083
Gm11	36956401	36956486	Gmdrm	hypo	CHG	-0.8016
Gm11	36956689	36957416	Gmdrm	hypo	CHG	-0.3235
Gm11	36957711	36957832	Gmdrm	hypo	CHG	-0.8957
Gm11	36981438	36981749	Gmdrm	hypo	CHG	-0.038
Gm11	36985384	36985471	Gmdrm	hypo	CHG	-0.7043
Gm11	36994162	36994442	Gmdrm	hypo	CHG	-0.3572
Gm11	37022647	37022803	Gmdrm	hypo	CHG	-0.038
Gm11	37033565	37033832	Gmdrm	hypo	CHG	-0.0357
Gm11	37046439	37046563	Gmdrm	hypo	CHG	-0.7355
Gm11	37047439	37047522	Gmdrm	hypo	CHG	-0.094
Gm11	37056302	37056429	Gmdrm	hypo	CHG	-0.6414
Gm11	37062084	37062356	Gmdrm	hypo	CHG	-0.0423
Gm11	37065892	37065985	Gmdrm	hypo	CHG	-0.606
Gm11	37094552	37094668	Gmdrm	hypo	CHG	-0.6671
Gm11	37103316	37103388	Gmdrm	hypo	CHG	-0.7629
Gm11	37115587	37115887	Gmdrm	hypo	CHG	-0.03
Gm11	37122728	37123029	Gmdrm	hypo	CHG	-0.8586
Gm11	37123863	37124095	Gmdrm	hypo	CHG	-0.3667
Gm11	37124313	37124535	Gmdrm	hypo	CHG	-0.5973
Gm11	37131967	37132132	Gmdrm	hypo	CHG	-0.3933
Gm11	37132339	37132372	Gmdrm	hypo	CHG	-0.2516
Gm11	37133852	37134220	Gmdrm	hypo	CHG	-0.3641
Gm11	37171746	37171889	Gmdrm	hypo	CHG	-0.366
Gm11	37187258	37187416	Gmdrm	hypo	CHG	-0.45
Gm11	37211624	37212070	Gmdrm	hypo	CHG	-0.5785
Gm11	37220523	37221506	Gmdrm	hypo	CHG	-0.2618
Gm11	37231977	37232072	Gmdrm	hypo	CHG	-0.07
Gm11	37233889	37234323	Gmdrm	hypo	CHG	-0.3744
Gm11	37243883	37244184	Gmdrm	hypo	CHG	-0.7242

Gm11	37248213	37248290	Gmdrm	hypo	CHG	-0.522
Gm11	37253172	37253424	Gmdrm	hypo	CHG	-0.0462
Gm11	37256874	37257013	Gmdrm	hypo	CHG	-0.7184
Gm11	37284082	37284224	Gmdrm	hypo	CHG	-0.2
Gm11	37299369	37299470	Gmdrm	hypo	CHG	-0.5834
Gm11	37300204	37300257	Gmdrm	hypo	CHG	-0.5033
Gm11	37306419	37306552	Gmdrm	hypo	CHG	-0.3733
Gm11	37306965	37307138	Gmdrm	hypo	CHG	-0.5616
Gm11	37314159	37314348	Gmdrm	hypo	CHG	-0.2585
Gm11	37321274	37321343	Gmdrm	hypo	CHG	-0.565
Gm11	37321842	37322842	Gmdrm	hypo	CHG	-0.0904
Gm11	37322844	37323561	Gmdrm	hypo	CHG	-0.23
Gm11	37358485	37358600	Gmdrm	hypo	CHG	-0.265
Gm11	37359063	37359327	Gmdrm	hypo	CHG	-0.32
Gm11	37360007	37360112	Gmdrm	hypo	CHG	-0.0978
Gm11	37360820	37361155	Gmdrm	hypo	CHG	-0.3237
Gm11	37365728	37365861	Gmdrm	hypo	CHG	-0.674
Gm11	37366126	37366765	Gmdrm	hypo	CHG	-0.1238
Gm11	37368519	37368602	Gmdrm	hypo	CHG	-0.096
Gm11	37368732	37368838	Gmdrm	hypo	CHG	-0.8215
Gm11	37368943	37369566	Gmdrm	hypo	CHG	-0.7592
Gm11	37369796	37369835	Gmdrm	hypo	CHG	-0.518
Gm11	37371210	37371332	Gmdrm	hypo	CHG	-0.5616
Gm11	37373117	37373185	Gmdrm	hypo	CHG	-0.8375
Gm11	37375767	37375925	Gmdrm	hypo	CHG	-0.342
Gm11	37376085	37376211	Gmdrm	hypo	CHG	-0.532
Gm11	37397079	37397660	Gmdrm	hypo	CHG	-0.0431
Gm11	37400350	37400460	Gmdrm	hypo	CHG	-0.9538
Gm11	37400652	37400744	Gmdrm	hypo	CHG	-0.9186
Gm11	37401023	37401236	Gmdrm	hypo	CHG	-0.8908
Gm11	37403341	37403602	Gmdrm	hypo	CHG	-0.7706
Gm11	37420350	37420404	Gmdrm	hypo	CHG	-0.0383
Gm11	37427693	37427739	Gmdrm	hypo	CHG	-0.2885
Gm11	37430403	37430635	Gmdrm	hypo	CHG	-0.035
Gm11	37436252	37436348	Gmdrm	hypo	CHG	-0.6617
Gm11	37481063	37481214	Gmdrm	hypo	CHG	-0.5072
Gm11	37481914	37482131	Gmdrm	hypo	CHG	-0.045
Gm11	37487203	37487302	Gmdrm	hypo	CHG	-0.048
Gm11	37514440	37514633	Gmdrm	hypo	CHG	-0.4119
Gm11	37514886	37515156	Gmdrm	hypo	CHG	-0.1575
Gm11	37515480	37515605	Gmdrm	hypo	CHG	-0.686
Gm11	37530264	37530359	Gmdrm	hypo	CHG	-0.7223
Gm11	37536665	37536787	Gmdrm	hypo	CHG	-0.496
Gm11	37537122	37537146	Gmdrm	hypo	CHG	-0.364
Gm11	37537510	37537703	Gmdrm	hypo	CHG	-0.5782
Gm11	37538473	37538570	Gmdrm	hypo	CHG	-0.6088

Gm11	37538700	37538920	Gmdrm	hypo	CHG	-0.6262
Gm11	37539062	37539134	Gmdrm	hypo	CHG	-0.6583
Gm11	37545990	37546201	Gmdrm	hypo	CHG	-0.579
Gm11	37551558	37552142	Gmdrm	hypo	CHG	-0.03
Gm11	37582981	37583152	Gmdrm	hypo	CHG	-0.9395
Gm11	37583282	37583702	Gmdrm	hypo	CHG	-0.7455
Gm11	37587826	37587886	Gmdrm	hypo	CHG	-0.8733
Gm11	37588446	37588631	Gmdrm	hypo	CHG	-0.428
Gm11	37588820	37588901	Gmdrm	hypo	CHG	-0.5317
Gm11	37589946	37590053	Gmdrm	hypo	CHG	-0.492
Gm11	37595928	37596047	Gmdrm	hypo	CHG	-0.054
Gm11	37599974	37600300	Gmdrm	hypo	CHG	-0.0364
Gm11	37600566	37600581	Gmdrm	hypo	CHG	-0.08
Gm11	37618770	37618876	Gmdrm	hypo	CHG	-0.0667
Gm11	37630147	37630303	Gmdrm	hypo	CHG	-0.341
Gm11	37637216	37637437	Gmdrm	hypo	CHG	-0.8744
Gm11	37645768	37645987	Gmdrm	hypo	CHG	-0.0567
Gm11	37658608	37658844	Gmdrm	hypo	CHG	-0.7684
Gm11	37666443	37666692	Gmdrm	hypo	CHG	-0.0628
Gm11	37687464	37688206	Gmdrm	hypo	CHG	-0.4005
Gm11	37696508	37696955	Gmdrm	hypo	CHG	-0.0269
Gm11	37716015	37716181	Gmdrm	hypo	CHG	-0.747
Gm11	37723103	37723385	Gmdrm	hypo	CHG	-0.0411
Gm11	37740660	37740972	Gmdrm	hypo	CHG	-0.552
Gm11	37741208	37741325	Gmdrm	hypo	CHG	-0.738
Gm11	37741430	37741836	Gmdrm	hypo	CHG	-0.8126
Gm11	37766730	37766843	Gmdrm	hypo	CHG	-0.6172
Gm11	37774849	37775010	Gmdrm	hypo	CHG	-0.8559
Gm11	37797481	37797670	Gmdrm	hypo	CHG	-0.2335
Gm11	37797809	37798128	Gmdrm	hypo	CHG	-0.4846
Gm11	37807225	37807431	Gmdrm	hypo	CHG	-0.0467
Gm11	37814340	37814377	Gmdrm	hypo	CHG	-0.5117
Gm11	37814525	37814683	Gmdrm	hypo	CHG	-0.6434
Gm11	37822381	37822765	Gmdrm	hypo	CHG	-0.1763
Gm11	37835306	37835443	Gmdrm	hypo	CHG	-0.612
Gm11	37835640	37835765	Gmdrm	hypo	CHG	-0.8587
Gm11	37838056	37838174	Gmdrm	hypo	CHG	-0.6867
Gm11	37843615	37843770	Gmdrm	hypo	CHG	-0.052
Gm11	37846026	37846420	Gmdrm	hypo	CHG	-0.7463
Gm11	37851646	37852119	Gmdrm	hypo	CHG	-0.0246
Gm11	37858529	37858688	Gmdrm	hypo	CHG	-0.596
Gm11	37858908	37859042	Gmdrm	hypo	CHG	-0.2146
Gm11	37860655	37860871	Gmdrm	hypo	CHG	-0.7414
Gm11	37861123	37861262	Gmdrm	hypo	CHG	-0.82
Gm11	37866607	37866704	Gmdrm	hypo	CHG	-0.04
Gm11	37899068	37899132	Gmdrm	hypo	CHG	-0.582

Gm11	37900395	37900548	Gmdrm	hypo	CHG	-0.32
Gm11	37901083	37901288	Gmdrm	hypo	CHG	-0.7562
Gm11	37908172	37908255	Gmdrm	hypo	CHG	-0.0717
Gm11	37932092	37932113	Gmdrm	hypo	CHG	-0.9517
Gm11	37935172	37935545	Gmdrm	hypo	CHG	-0.025
Gm11	37938350	37938471	Gmdrm	hypo	CHG	-0.718
Gm11	37942218	37942411	Gmdrm	hypo	CHG	-0.0383
Gm11	37943336	37943661	Gmdrm	hypo	CHG	-0.1891
Gm11	37954170	37954179	Gmdrm	hypo	CHG	-0.762
Gm11	37954496	37954652	Gmdrm	hypo	CHG	-0.45
Gm11	37955815	37955885	Gmdrm	hypo	CHG	-0.2488
Gm11	37967923	37968095	Gmdrm	hypo	CHG	-0.042
Gm11	37968713	37968912	Gmdrm	hypo	CHG	-0.0587
Gm11	37974966	37975754	Gmdrm	hypo	CHG	-0.1944
Gm11	37981449	37981749	Gmdrm	hypo	CHG	-0.2878
Gm11	37982041	37982086	Gmdrm	hypo	CHG	-0.172
Gm11	37984252	37984482	Gmdrm	hypo	CHG	-0.048
Gm11	38000909	38000930	Gmdrm	hypo	CHG	-0.4933
Gm11	38007655	38007957	Gmdrm	hypo	CHG	-0.5875
Gm11	38045825	38045881	Gmdrm	hypo	CHG	-0.65
Gm11	38054894	38054971	Gmdrm	hypo	CHG	-0.6643
Gm11	38060546	38060707	Gmdrm	hypo	CHG	-0.0517
Gm11	38073002	38073116	Gmdrm	hypo	CHG	-0.892
Gm11	38074158	38074445	Gmdrm	hypo	CHG	-0.3505
Gm11	38075835	38075991	Gmdrm	hypo	CHG	-0.8
Gm11	38078478	38078828	Gmdrm	hypo	CHG	-0.0517
Gm11	38097097	38097225	Gmdrm	hypo	CHG	-0.0415
Gm11	38114771	38115050	Gmdrm	hypo	CHG	-0.9184
Gm11	38115156	38115252	Gmdrm	hypo	CHG	-0.9137
Gm11	38115752	38115879	Gmdrm	hypo	CHG	-0.9193
Gm11	38120947	38121037	Gmdrm	hypo	CHG	-0.046
Gm11	38122416	38122529	Gmdrm	hypo	CHG	-0.0457
Gm11	38144041	38144301	Gmdrm	hypo	CHG	-0.048
Gm11	38165126	38165267	Gmdrm	hypo	CHG	-0.6425
Gm11	38165985	38166036	Gmdrm	hypo	CHG	-0.5266
Gm11	38188397	38188553	Gmdrm	hypo	CHG	-0.9308
Gm11	38190914	38191027	Gmdrm	hypo	CHG	-0.035
Gm11	38198406	38198573	Gmdrm	hypo	CHG	-0.0417
Gm11	38212187	38212703	Gmdrm	hypo	CHG	-0.1692
Gm11	38232081	38232819	Gmdrm	hypo	CHG	-0.3826
Gm11	38235952	38236048	Gmdrm	hypo	CHG	-0.692
Gm11	38237278	38237644	Gmdrm	hypo	CHG	-0.6069
Gm11	38244540	38244710	Gmdrm	hypo	CHG	-0.1733
Gm11	38249084	38249341	Gmdrm	hypo	CHG	-0.26
Gm11	38250924	38251059	Gmdrm	hypo	CHG	-0.0629
Gm11	38263759	38264126	Gmdrm	hypo	CHG	-0.4792

Gm11	38289269	38289564	Gmdrm	hypo	CHG	-0.6588
Gm11	38289879	38290117	Gmdrm	hypo	CHG	-0.6224
Gm11	38311407	38311674	Gmdrm	hypo	CHG	-0.3543
Gm11	38311890	38312400	Gmdrm	hypo	CHG	-0.2367
Gm11	38317854	38318315	Gmdrm	hypo	CHG	-0.0353
Gm11	38347965	38348162	Gmdrm	hypo	CHG	-0.0363
Gm11	38358087	38358177	Gmdrm	hypo	CHG	-0.4383
Gm11	38359855	38359910	Gmdrm	hypo	CHG	-0.0799
Gm11	38360011	38360436	Gmdrm	hypo	CHG	-0.6412
Gm11	38372874	38373186	Gmdrm	hypo	CHG	-0.6308
Gm11	38383830	38384066	Gmdrm	hypo	CHG	-0.2372
Gm11	38395838	38396019	Gmdrm	hypo	CHG	-0.3466
Gm11	38401280	38401543	Gmdrm	hypo	CHG	-0.6055
Gm11	38418211	38418297	Gmdrm	hypo	CHG	-0.064
Gm11	38425673	38425893	Gmdrm	hypo	CHG	-0.34
Gm11	38429814	38430201	Gmdrm	hypo	CHG	-0.4674
Gm11	38439422	38439719	Gmdrm	hypo	CHG	-0.045
Gm11	38442078	38442150	Gmdrm	hypo	CHG	-0.498
Gm11	38442635	38442828	Gmdrm	hypo	CHG	-0.56
Gm11	38448784	38448857	Gmdrm	hypo	CHG	-0.4914
Gm11	38448966	38449321	Gmdrm	hypo	CHG	-0.4062
Gm11	38453467	38453649	Gmdrm	hypo	CHG	-0.05
Gm11	38455515	38455901	Gmdrm	hypo	CHG	-0.7453
Gm11	38461734	38462561	Gmdrm	hypo	CHG	-0.2707
Gm11	38469805	38469853	Gmdrm	hypo	CHG	-0.59
Gm11	38470112	38470364	Gmdrm	hypo	CHG	-0.3257
Gm11	38471295	38471385	Gmdrm	hypo	CHG	-0.5666
Gm11	38480189	38480340	Gmdrm	hypo	CHG	-0.035
Gm11	38483973	38484154	Gmdrm	hypo	CHG	-0.0416
Gm11	38489369	38489496	Gmdrm	hypo	CHG	-0.31
Gm11	38505169	38505292	Gmdrm	hypo	CHG	-0.56
Gm11	38505583	38505681	Gmdrm	hypo	CHG	-0.74
Gm11	38514689	38514811	Gmdrm	hypo	CHG	-0.058
Gm11	38522509	38522668	Gmdrm	hypo	CHG	-0.5017
Gm11	38528585	38528707	Gmdrm	hypo	CHG	-0.858
Gm11	38538372	38538518	Gmdrm	hypo	CHG	-0.05
Gm11	38541159	38541219	Gmdrm	hypo	CHG	-0.56
Gm11	38549072	38549340	Gmdrm	hypo	CHG	-0.7333
Gm11	38558518	38558619	Gmdrm	hypo	CHG	-0.316
Gm11	38559197	38559284	Gmdrm	hypo	CHG	-0.699
Gm11	38562340	38562407	Gmdrm	hypo	CHG	-0.62
Gm11	38568183	38568404	Gmdrm	hypo	CHG	-0.4056
Gm11	38581973	38582041	Gmdrm	hypo	CHG	-0.69
Gm11	38599835	38599983	Gmdrm	hypo	CHG	-0.268
Gm11	38617861	38618592	Gmdrm	hypo	CHG	-0.5919
Gm11	38620720	38620881	Gmdrm	hypo	CHG	-0.0383

Gm11	38622252	38622344	Gmdrm	hypo	CHG	-0.81
Gm11	38636637	38636705	Gmdrm	hypo	CHG	-0.648
Gm11	38637529	38637700	Gmdrm	hypo	CHG	-0.7624
Gm11	38637840	38637922	Gmdrm	hypo	CHG	-0.7728
Gm11	38643301	38643411	Gmdrm	hypo	CHG	-0.04
Gm11	38649853	38650080	Gmdrm	hypo	CHG	-0.55
Gm11	38652868	38653038	Gmdrm	hypo	CHG	-0.16
Gm11	38656971	38657330	Gmdrm	hypo	CHG	-0.0511
Gm11	38669018	38669069	Gmdrm	hypo	CHG	-0.925
Gm11	38669532	38669790	Gmdrm	hypo	CHG	-0.485
Gm11	38691934	38691964	Gmdrm	hypo	CHG	-0.114
Gm11	38727449	38727741	Gmdrm	hypo	CHG	-0.05
Gm11	38742949	38743212	Gmdrm	hypo	CHG	-0.3217
Gm11	38747657	38747902	Gmdrm	hypo	CHG	-0.036
Gm11	38748393	38748479	Gmdrm	hypo	CHG	-0.2517
Gm11	38778663	38778909	Gmdrm	hypo	CHG	-0.0333
Gm11	38796289	38796528	Gmdrm	hypo	CHG	-0.056
Gm11	38823341	38823883	Gmdrm	hypo	CHG	-0.2796
Gm11	38826723	38826916	Gmdrm	hypo	CHG	-0.8966
Gm11	38829203	38829332	Gmdrm	hypo	CHG	-0.3985
Gm11	38829814	38830076	Gmdrm	hypo	CHG	-0.2275
Gm11	38832410	38832675	Gmdrm	hypo	CHG	-0.513
Gm11	38839967	38840125	Gmdrm	hypo	CHG	-0.035
Gm11	38842155	38842252	Gmdrm	hypo	CHG	-0.054
Gm11	38859759	38859852	Gmdrm	hypo	CHG	-0.065
Gm11	38860132	38860322	Gmdrm	hypo	CHG	-0.075
Gm11	38902829	38902961	Gmdrm	hypo	CHG	-0.5958
Gm11	38907078	38907119	Gmdrm	hypo	CHG	-0.6867
Gm11	38907322	38907556	Gmdrm	hypo	CHG	-0.4262
Gm11	38941737	38941858	Gmdrm	hypo	CHG	-0.34
Gm11	38942354	38942632	Gmdrm	hypo	CHG	-0.1856
Gm11	38953676	38954060	Gmdrm	hypo	CHG	-0.06
Gm11	38966992	38967501	Gmdrm	hypo	CHG	-0.048
Gm11	39009443	39009539	Gmdrm	hypo	CHG	-0.716
Gm11	39009735	39009792	Gmdrm	hypo	CHG	-0.2967
Gm11	39010149	39010406	Gmdrm	hypo	CHG	-0.8778
Gm11	39010609	39010677	Gmdrm	hypo	CHG	-0.0867
Gm11	39039777	39040324	Gmdrm	hypo	CHG	-0.3308
Gm11	39063265	39063566	Gmdrm	hypo	CHG	-0.0291
Gm11	39069420	39069555	Gmdrm	hypo	CHG	-0.3478
Gm11	39069763	39069946	Gmdrm	hypo	CHG	-0.1823
Gm11	39088619	39088719	Gmdrm	hypo	CHG	-0.05
Gm11	39115336	39115627	Gmdrm	hypo	CHG	-0.6782
Gm11	39117570	39117877	Gmdrm	hypo	CHG	-0.3654
Gm11	39122972	39123231	Gmdrm	hypo	CHG	-0.561
Gm11	39146080	39146120	Gmdrm	hypo	CHG	-0.215

Gm11	39148372	39148598	Gmdrm	hypo	CHG	-0.31
Gm11	39155430	39155880	Gmdrm	hypo	CHG	-0.0425
Gm11	39161144	39161278	Gmdrm	hypo	CHG	-0.038
Gm11	39165992	39166191	Gmdrm	hypo	CHG	-0.677
Gm11	39170453	39170699	Gmdrm	hypo	CHG	-0.3554
Gm11	39172508	39172684	Gmdrm	hypo	CHG	-0.6549
Gm11	39178238	39178356	Gmdrm	hypo	CHG	-0.77
Gm11	39178639	39178779	Gmdrm	hypo	CHG	-0.72
Gm11	39180873	39181125	Gmdrm	hypo	CHG	-0.045
Gm11	39183186	39183355	Gmdrm	hypo	CHG	-0.1725
Gm11	39190640	39190953	Gmdrm	hypo	CHG	-0.0382
Gm11	39216516	39216800	Gmdrm	hypo	CHG	-0.8077
Gm11	39223632	39224023	Gmdrm	hypo	CHG	-0.0433
Gm11	39233696	39234062	Gmdrm	hypo	CHG	-0.0415
Gm11	39271883	39272320	Gmdrm	hypo	CHG	-0.0208
Gm11	39279194	39279232	Gmdrm	hypo	CHG	-0.3517
Gm11	39279534	39280235	Gmdrm	hypo	CHG	-0.473
Gm11	39288202	39288460	Gmdrm	hypo	CHG	-0.4694
Gm11	39300143	39300951	Gmdrm	hypo	CHG	-0.039
Gm11	39307402	39307636	Gmdrm	hypo	CHG	-0.0687
Gm11	39324672	39325028	Gmdrm	hypo	CHG	-0.04
Gm11	39325823	39325913	Gmdrm	hypo	CHG	-0.6086
Gm11	39340383	39340481	Gmdrm	hypo	CHG	-0.08
Gm11	39344057	39344260	Gmdrm	hypo	CHG	-0.0343
Gm11	39349954	39350015	Gmdrm	hypo	CHG	-0.052
Gm11	39380424	39380635	Gmdrm	hypo	CHG	-0.4888
Gm11	39410213	39410425	Gmdrm	hypo	CHG	-0.0367
Gm11	39428646	39428971	Gmdrm	hypo	CHG	-0.031
Gm11	39435463	39435553	Gmdrm	hypo	CHG	-0.058
Gm11	39460292	39460359	Gmdrm	hypo	CHG	-0.614
Gm11	39479642	39479844	Gmdrm	hypo	CHG	-0.042
Gm11	39480300	39480517	Gmdrm	hypo	CHG	-0.142
Gm11	39481392	39481436	Gmdrm	hypo	CHG	-0.122
Gm11	39485503	39485723	Gmdrm	hypo	CHG	-0.042
Gm11	39487352	39487488	Gmdrm	hypo	CHG	-0.8678
Gm11	39501825	39501912	Gmdrm	hypo	CHG	-0.678
Gm11	39511813	39512129	Gmdrm	hypo	CHG	-0.2822
Gm11	39524734	39525734	Gmdrm	hypo	CHG	-0.1527
Gm11	39530991	39531256	Gmdrm	hypo	CHG	-0.0342
Gm11	39532450	39533275	Gmdrm	hypo	CHG	-0.1167
Gm11	39534526	39535509	Gmdrm	hypo	CHG	-0.3461
Gm11	39535531	39535581	Gmdrm	hypo	CHG	-0.4875
Gm11	39535708	39536331	Gmdrm	hypo	CHG	-0.1509
Gm11	39542128	39542671	Gmdrm	hypo	CHG	-0.2193
Gm11	39542822	39543148	Gmdrm	hypo	CHG	-0.35
Gm11	39547561	39547988	Gmdrm	hypo	CHG	-0.1792

Gm11	39548103	39548540	Gmdrm	hypo	CHG	-0.1718
Gm11	39555628	39555741	Gmdrm	hypo	CHG	-0.094
Gm11	39556312	39556798	Gmdrm	hypo	CHG	-0.285
Gm11	39576614	39577158	Gmdrm	hypo	CHG	-0.0834
Gm11	39627294	39627341	Gmdrm	hypo	CHG	-0.8817
Gm11	39627445	39627574	Gmdrm	hypo	CHG	-0.648
Gm11	39628301	39628678	Gmdrm	hypo	CHG	-0.44
Gm11_scaffo	2917	3005	Gmdrm	hypo	CHG	-0.212
Gm11_scaffo	3508	3740	Gmdrm	hypo	CHG	-0.2269
Gm11_scaffo	4382	4960	Gmdrm	hypo	CHG	-0.4781
Gm11_scaffo	5293	5415	Gmdrm	hypo	CHG	-0.8817
Gm11_scaffo	5523	5657	Gmdrm	hypo	CHG	-0.84
Gm11_scaffo	20269	20389	Gmdrm	hypo	CHG	-0.68
Gm11_scaffo	20864	21080	Gmdrm	hypo	CHG	-0.631
Gm11_scaffo	21245	21349	Gmdrm	hypo	CHG	-0.672
Gm11_scaffo	29255	29412	Gmdrm	hypo	CHG	-0.6872
Gm11_scaffo	30381	30433	Gmdrm	hypo	CHG	-0.6587
Gm11_scaffo	30951	31049	Gmdrm	hypo	CHG	-0.595
Gm11_scaffo	31297	31496	Gmdrm	hypo	CHG	-0.7301
Gm11_scaffo	32661	33045	Gmdrm	hypo	CHG	-0.1859
Gm11_scaffo	58191	58760	Gmdrm	hypo	CHG	-0.2048
Gm11_scaffo	63773	64132	Gmdrm	hypo	CHG	-0.5164
Gm11_scaffo	64331	64423	Gmdrm	hypo	CHG	-0.794
Gm11_scaffo	1437	1685	Gmdrm	hypo	CHG	-0.4726
Gm11_scaffo	1797	2755	Gmdrm	hypo	CHG	-0.8734
Gm11_scaffo	5502	5841	Gmdrm	hypo	CHG	-0.4107
Gm11_scaffo	10523	10958	Gmdrm	hypo	CHG	-0.022
Gm11_scaffo	18793	19101	Gmdrm	hypo	CHG	-0.0569
Gm11_scaffo	23759	23889	Gmdrm	hypo	CHG	-0.67
Gm11_scaffo	25302	25364	Gmdrm	hypo	CHG	-0.376
Gm12	3933	4022	Gmdrm	hypo	CHG	-0.0825
Gm12	4892	4950	Gmdrm	hypo	CHG	-0.4884
Gm12	11497	11691	Gmdrm	hypo	CHG	-0.0388
Gm12	19042	19224	Gmdrm	hypo	CHG	-0.0671
Gm12	28699	29095	Gmdrm	hypo	CHG	-0.2484
Gm12	29228	29356	Gmdrm	hypo	CHG	-0.3266
Gm12	29459	29549	Gmdrm	hypo	CHG	-0.1412
Gm12	30172	30397	Gmdrm	hypo	CHG	-0.0533
Gm12	45601	45678	Gmdrm	hypo	CHG	-0.7288
Gm12	45786	45891	Gmdrm	hypo	CHG	-0.2125
Gm12	46119	46274	Gmdrm	hypo	CHG	-0.7123
Gm12	59636	59686	Gmdrm	hypo	CHG	-0.1412
Gm12	59796	59886	Gmdrm	hypo	CHG	-0.4525
Gm12	60248	60511	Gmdrm	hypo	CHG	-0.036
Gm12	76384	76458	Gmdrm	hypo	CHG	-0.885
Gm12	77549	77693	Gmdrm	hypo	CHG	-0.5557

Gm12	119182	119485 Gmdrm	hypo	CHG	-0.0433
Gm12	150515	150601 Gmdrm	hypo	CHG	-0.4367
Gm12	165963	166197 Gmdrm	hypo	CHG	-0.2731
Gm12	166331	166837 Gmdrm	hypo	CHG	-0.3308
Gm12	176360	177184 Gmdrm	hypo	CHG	-0.0758
Gm12	188273	188442 Gmdrm	hypo	CHG	-0.036
Gm12	209031	209165 Gmdrm	hypo	CHG	-0.4571
Gm12	228410	229409 Gmdrm	hypo	CHG	-0.3327
Gm12	257938	258082 Gmdrm	hypo	CHG	-0.725
Gm12	276450	276482 Gmdrm	hypo	CHG	-0.718
Gm12	276761	276929 Gmdrm	hypo	CHG	-0.3612
Gm12	277072	277176 Gmdrm	hypo	CHG	-0.82
Gm12	306118	306836 Gmdrm	hypo	CHG	-0.4455
Gm12	315996	316543 Gmdrm	hypo	CHG	-0.2419
Gm12	320302	320485 Gmdrm	hypo	CHG	-0.69
Gm12	329399	329586 Gmdrm	hypo	CHG	-0.0214
Gm12	342592	342746 Gmdrm	hypo	CHG	-0.2622
Gm12	353974	354196 Gmdrm	hypo	CHG	-0.0288
Gm12	401167	401359 Gmdrm	hypo	CHG	-0.058
Gm12	415887	416401 Gmdrm	hypo	CHG	-0.7884
Gm12	431625	431743 Gmdrm	hypo	CHG	-0.072
Gm12	439897	439989 Gmdrm	hypo	CHG	-0.05
Gm12	457588	457780 Gmdrm	hypo	CHG	-0.8126
Gm12	457909	457985 Gmdrm	hypo	CHG	-0.5414
Gm12	477327	477474 Gmdrm	hypo	CHG	-0.6551
Gm12	490936	491128 Gmdrm	hypo	CHG	-0.1966
Gm12	491273	491511 Gmdrm	hypo	CHG	-0.6842
Gm12	529529	529605 Gmdrm	hypo	CHG	-0.3467
Gm12	533294	533387 Gmdrm	hypo	CHG	-0.46
Gm12	533770	533846 Gmdrm	hypo	CHG	-0.388
Gm12	541548	541729 Gmdrm	hypo	CHG	-0.054
Gm12	547778	548003 Gmdrm	hypo	CHG	-0.4315
Gm12	553886	554156 Gmdrm	hypo	CHG	-0.0343
Gm12	556229	556402 Gmdrm	hypo	CHG	-0.0633
Gm12	591350	591508 Gmdrm	hypo	CHG	-0.03
Gm12	625874	626212 Gmdrm	hypo	CHG	-0.033
Gm12	645042	645330 Gmdrm	hypo	CHG	-0.05
Gm12	662641	662846 Gmdrm	hypo	CHG	-0.0583
Gm12	669816	669934 Gmdrm	hypo	CHG	-0.05
Gm12	674007	674491 Gmdrm	hypo	CHG	-0.22
Gm12	711407	711683 Gmdrm	hypo	CHG	-0.0457
Gm12	744060	744150 Gmdrm	hypo	CHG	-0.046
Gm12	745457	745623 Gmdrm	hypo	CHG	-0.044
Gm12	754481	754624 Gmdrm	hypo	CHG	-0.5983
Gm12	755456	755775 Gmdrm	hypo	CHG	-0.4985
Gm12	760563	760886 Gmdrm	hypo	CHG	-0.4417

Gm12	761118	761196 Gmdrm	hypo	CHG	-0.6583
Gm12	762297	762476 Gmdrm	hypo	CHG	-0.4122
Gm12	766518	766706 Gmdrm	hypo	CHG	-0.0673
Gm12	790955	791181 Gmdrm	hypo	CHG	-0.058
Gm12	803395	803500 Gmdrm	hypo	CHG	-0.056
Gm12	833707	833826 Gmdrm	hypo	CHG	-0.5333
Gm12	834322	834582 Gmdrm	hypo	CHG	-0.8673
Gm12	846247	846450 Gmdrm	hypo	CHG	-0.0819
Gm12	887391	887602 Gmdrm	hypo	CHG	-0.4067
Gm12	887782	887912 Gmdrm	hypo	CHG	-0.458
Gm12	889665	889999 Gmdrm	hypo	CHG	-0.3058
Gm12	921890	922041 Gmdrm	hypo	CHG	-0.6989
Gm12	926160	926654 Gmdrm	hypo	CHG	-0.0346
Gm12	939803	940022 Gmdrm	hypo	CHG	-0.3029
Gm12	940291	940487 Gmdrm	hypo	CHG	-0.6023
Gm12	983827	983987 Gmdrm	hypo	CHG	-0.055
Gm12	985639	985712 Gmdrm	hypo	CHG	-0.5911
Gm12	985826	985923 Gmdrm	hypo	CHG	-0.241
Gm12	1021859	1022194 Gmdrm	hypo	CHG	-0.0537
Gm12	1051264	1051397 Gmdrm	hypo	CHG	-0.0512
Gm12	1051511	1051602 Gmdrm	hypo	CHG	-0.058
Gm12	1070183	1070345 Gmdrm	hypo	CHG	-0.082
Gm12	1111085	1111319 Gmdrm	hypo	CHG	-0.3418
Gm12	1130550	1130683 Gmdrm	hypo	CHG	-0.4213
Gm12	1149547	1149926 Gmdrm	hypo	CHG	-0.0308
Gm12	1163630	1163914 Gmdrm	hypo	CHG	-0.1649
Gm12	1177205	1177505 Gmdrm	hypo	CHG	-0.8884
Gm12	1178353	1178875 Gmdrm	hypo	CHG	-0.7687
Gm12	1183101	1183262 Gmdrm	hypo	CHG	-0.2025
Gm12	1234250	1234312 Gmdrm	hypo	CHG	-0.786
Gm12	1234422	1234687 Gmdrm	hypo	CHG	-0.7431
Gm12	1239983	1240156 Gmdrm	hypo	CHG	-0.515
Gm12	1259895	1260051 Gmdrm	hypo	CHG	-0.1258
Gm12	1263869	1264101 Gmdrm	hypo	CHG	-0.5795
Gm12	1277069	1277244 Gmdrm	hypo	CHG	-0.5125
Gm12	1278303	1278430 Gmdrm	hypo	CHG	-0.5016
Gm12	1297952	1298300 Gmdrm	hypo	CHG	-0.0429
Gm12	1316556	1316901 Gmdrm	hypo	CHG	-0.0427
Gm12	1335788	1336194 Gmdrm	hypo	CHG	-0.2356
Gm12	1336382	1336524 Gmdrm	hypo	CHG	-0.7
Gm12	1390582	1390744 Gmdrm	hypo	CHG	-0.2209
Gm12	1406338	1406506 Gmdrm	hypo	CHG	-0.033
Gm12	1420015	1420160 Gmdrm	hypo	CHG	-0.3489
Gm12	1468721	1468909 Gmdrm	hypo	CHG	-0.0938
Gm12	1484823	1485422 Gmdrm	hypo	CHG	-0.7721
Gm12	1491503	1491904 Gmdrm	hypo	CHG	-0.0318

Gm12	1499873	1500806	Gmdrm	hypo	CHG	-0.0492
Gm12	1514678	1514760	Gmdrm	hypo	CHG	-0.6617
Gm12	1525533	1525639	Gmdrm	hypo	CHG	-0.8213
Gm12	1525754	1525810	Gmdrm	hypo	CHG	-0.724
Gm12	1583586	1583697	Gmdrm	hypo	CHG	-0.7249
Gm12	1615405	1616323	Gmdrm	hypo	CHG	-0.0759
Gm12	1619306	1619766	Gmdrm	hypo	CHG	-0.0247
Gm12	1627442	1627577	Gmdrm	hypo	CHG	-0.43
Gm12	1627718	1627983	Gmdrm	hypo	CHG	-0.693
Gm12	1630219	1630413	Gmdrm	hypo	CHG	-0.1288
Gm12	1644868	1644991	Gmdrm	hypo	CHG	-0.7349
Gm12	1662873	1663074	Gmdrm	hypo	CHG	-0.8006
Gm12	1663346	1663431	Gmdrm	hypo	CHG	-0.77
Gm12	1689175	1689224	Gmdrm	hypo	CHG	-0.04
Gm12	1709487	1709679	Gmdrm	hypo	CHG	-0.2155
Gm12	1725110	1725329	Gmdrm	hypo	CHG	-0.046
Gm12	1744003	1744185	Gmdrm	hypo	CHG	-0.083
Gm12	1760068	1760592	Gmdrm	hypo	CHG	-0.0609
Gm12	1790525	1791175	Gmdrm	hypo	CHG	-0.1407
Gm12	1798609	1798959	Gmdrm	hypo	CHG	-0.4953
Gm12	1829161	1829278	Gmdrm	hypo	CHG	-0.8715
Gm12	1829544	1829709	Gmdrm	hypo	CHG	-0.7914
Gm12	1840434	1840570	Gmdrm	hypo	CHG	-0.05
Gm12	1855364	1855452	Gmdrm	hypo	CHG	-0.7789
Gm12	1864140	1864230	Gmdrm	hypo	CHG	-0.824
Gm12	1864373	1864664	Gmdrm	hypo	CHG	-0.03
Gm12	1873429	1873988	Gmdrm	hypo	CHG	-0.2296
Gm12	1874165	1874361	Gmdrm	hypo	CHG	-0.2525
Gm12	1874543	1874634	Gmdrm	hypo	CHG	-0.4772
Gm12	1879866	1880030	Gmdrm	hypo	CHG	-0.4434
Gm12	1885740	1885935	Gmdrm	hypo	CHG	-0.214
Gm12	1903541	1903607	Gmdrm	hypo	CHG	-0.2917
Gm12	1922189	1922316	Gmdrm	hypo	CHG	-0.21
Gm12	1959553	1959927	Gmdrm	hypo	CHG	-0.04
Gm12	1962918	1963234	Gmdrm	hypo	CHG	-0.091
Gm12	1967374	1967480	Gmdrm	hypo	CHG	-0.7615
Gm12	1967601	1967761	Gmdrm	hypo	CHG	-0.68
Gm12	1968371	1968565	Gmdrm	hypo	CHG	-0.4475
Gm12	1973510	1974211	Gmdrm	hypo	CHG	-0.0407
Gm12	1980033	1980173	Gmdrm	hypo	CHG	-0.1389
Gm12	1987587	1987750	Gmdrm	hypo	CHG	-0.038
Gm12	2012865	2013110	Gmdrm	hypo	CHG	-0.0773
Gm12	2035993	2036139	Gmdrm	hypo	CHG	-0.0829
Gm12	2050564	2051337	Gmdrm	hypo	CHG	-0.2154
Gm12	2060454	2061366	Gmdrm	hypo	CHG	-0.2402
Gm12	2066700	2067473	Gmdrm	hypo	CHG	-0.2159

Gm12	2069269	2069799 Gmdrm	hypo	CHG	-0.78
Gm12	2077524	2077761 Gmdrm	hypo	CHG	-0.0383
Gm12	2081496	2081509 Gmdrm	hypo	CHG	-0.1175
Gm12	2109409	2109645 Gmdrm	hypo	CHG	-0.7419
Gm12	2109860	2110033 Gmdrm	hypo	CHG	-0.9519
Gm12	2113218	2113371 Gmdrm	hypo	CHG	-0.4878
Gm12	2113626	2113764 Gmdrm	hypo	CHG	-0.5475
Gm12	2113869	2114022 Gmdrm	hypo	CHG	-0.8644
Gm12	2134240	2135226 Gmdrm	hypo	CHG	-0.2778
Gm12	2135254	2135319 Gmdrm	hypo	CHG	-0.2871
Gm12	2135453	2136003 Gmdrm	hypo	CHG	-0.1266
Gm12	2137562	2137687 Gmdrm	hypo	CHG	-0.0467
Gm12	2141268	2141377 Gmdrm	hypo	CHG	-0.35
Gm12	2141488	2141663 Gmdrm	hypo	CHG	-0.06
Gm12	2145337	2145351 Gmdrm	hypo	CHG	-0.0425
Gm12	2186247	2186613 Gmdrm	hypo	CHG	-0.0277
Gm12	2221384	2221671 Gmdrm	hypo	CHG	-0.81
Gm12	2227616	2228537 Gmdrm	hypo	CHG	-0.3822
Gm12	2240248	2240714 Gmdrm	hypo	CHG	-0.0976
Gm12	2253670	2253799 Gmdrm	hypo	CHG	-0.0517
Gm12	2256794	2257101 Gmdrm	hypo	CHG	-0.6967
Gm12	2275657	2275868 Gmdrm	hypo	CHG	-0.4887
Gm12	2276620	2276837 Gmdrm	hypo	CHG	-0.8658
Gm12	2300724	2300935 Gmdrm	hypo	CHG	-0.2
Gm12	2302795	2302897 Gmdrm	hypo	CHG	-0.066
Gm12	2305332	2305522 Gmdrm	hypo	CHG	-0.07
Gm12	2341235	2341448 Gmdrm	hypo	CHG	-0.687
Gm12	2344544	2344648 Gmdrm	hypo	CHG	-0.5872
Gm12	2355102	2355329 Gmdrm	hypo	CHG	-0.7225
Gm12	2388710	2388763 Gmdrm	hypo	CHG	-0.6917
Gm12	2398530	2399006 Gmdrm	hypo	CHG	-0.8807
Gm12	2410392	2410468 Gmdrm	hypo	CHG	-0.1753
Gm12	2419074	2419171 Gmdrm	hypo	CHG	-0.062
Gm12	2425733	2425897 Gmdrm	hypo	CHG	-0.0583
Gm12	2428736	2428851 Gmdrm	hypo	CHG	-0.0371
Gm12	2434930	2435019 Gmdrm	hypo	CHG	-0.7975
Gm12	2436548	2436845 Gmdrm	hypo	CHG	-0.3667
Gm12	2445367	2445468 Gmdrm	hypo	CHG	-0.104
Gm12	2457986	2458236 Gmdrm	hypo	CHG	-0.0433
Gm12	2463060	2463436 Gmdrm	hypo	CHG	-0.3493
Gm12	2486277	2486453 Gmdrm	hypo	CHG	-0.3657
Gm12	2503700	2503784 Gmdrm	hypo	CHG	-0.146
Gm12	2514152	2514363 Gmdrm	hypo	CHG	-0.5677
Gm12	2514649	2514807 Gmdrm	hypo	CHG	-0.3665
Gm12	2525441	2525920 Gmdrm	hypo	CHG	-0.2932
Gm12	2545968	2546076 Gmdrm	hypo	CHG	-0.6912

Gm12	2559252	2559473	Gmdrm	hypo	CHG	-0.375
Gm12	2559659	2560150	Gmdrm	hypo	CHG	-0.2312
Gm12	2594826	2594960	Gmdrm	hypo	CHG	-0.226
Gm12	2604981	2605181	Gmdrm	hypo	CHG	-0.1238
Gm12	2618355	2618450	Gmdrm	hypo	CHG	-0.6
Gm12	2618615	2618765	Gmdrm	hypo	CHG	-0.5717
Gm12	2620173	2620269	Gmdrm	hypo	CHG	-0.6967
Gm12	2620480	2620665	Gmdrm	hypo	CHG	-0.733
Gm12	2641916	2642206	Gmdrm	hypo	CHG	-0.2725
Gm12	2684950	2685048	Gmdrm	hypo	CHG	-0.8
Gm12	2693615	2694121	Gmdrm	hypo	CHG	-0.6579
Gm12	2697805	2697869	Gmdrm	hypo	CHG	-0.0428
Gm12	2700026	2700303	Gmdrm	hypo	CHG	-0.2647
Gm12	2720694	2720838	Gmdrm	hypo	CHG	-0.0338
Gm12	2728927	2729075	Gmdrm	hypo	CHG	-0.52
Gm12	2738191	2738653	Gmdrm	hypo	CHG	-0.4535
Gm12	2738796	2739390	Gmdrm	hypo	CHG	-0.2804
Gm12	2785599	2785908	Gmdrm	hypo	CHG	-0.0362
Gm12	2814136	2814288	Gmdrm	hypo	CHG	-0.045
Gm12	2875712	2875833	Gmdrm	hypo	CHG	-0.048
Gm12	2885860	2886292	Gmdrm	hypo	CHG	-0.5069
Gm12	2893068	2893218	Gmdrm	hypo	CHG	-0.4486
Gm12	2898804	2899035	Gmdrm	hypo	CHG	-0.0462
Gm12	2936899	2937198	Gmdrm	hypo	CHG	-0.515
Gm12	2937766	2938103	Gmdrm	hypo	CHG	-0.69
Gm12	2945494	2945825	Gmdrm	hypo	CHG	-0.8194
Gm12	2946974	2947145	Gmdrm	hypo	CHG	-0.0433
Gm12	2949336	2949606	Gmdrm	hypo	CHG	-0.034
Gm12	2967845	2968177	Gmdrm	hypo	CHG	-0.6804
Gm12	2970942	2971010	Gmdrm	hypo	CHG	-0.558
Gm12	3012648	3013005	Gmdrm	hypo	CHG	-0.0477
Gm12	3014613	3014809	Gmdrm	hypo	CHG	-0.199
Gm12	3027639	3027878	Gmdrm	hypo	CHG	-0.1177
Gm12	3048122	3048551	Gmdrm	hypo	CHG	-0.046
Gm12	3064429	3064569	Gmdrm	hypo	CHG	-0.8957
Gm12	3067652	3067889	Gmdrm	hypo	CHG	-0.058
Gm12	3075608	3076055	Gmdrm	hypo	CHG	-0.4956
Gm12	3077138	3077303	Gmdrm	hypo	CHG	-0.046
Gm12	3106439	3106582	Gmdrm	hypo	CHG	-0.8784
Gm12	3112780	3113118	Gmdrm	hypo	CHG	-0.6478
Gm12	3127359	3127586	Gmdrm	hypo	CHG	-0.028
Gm12	3139490	3139606	Gmdrm	hypo	CHG	-0.4714
Gm12	3141812	3141958	Gmdrm	hypo	CHG	-0.6715
Gm12	3154132	3154291	Gmdrm	hypo	CHG	-0.0488
Gm12	3158819	3159054	Gmdrm	hypo	CHG	-0.84
Gm12	3159282	3159595	Gmdrm	hypo	CHG	-0.5337

Gm12	3171941	3172281	Gmdrm	hypo	CHG	-0.0363
Gm12	3175097	3175330	Gmdrm	hypo	CHG	-0.102
Gm12	3195464	3195546	Gmdrm	hypo	CHG	-0.0457
Gm12	3203899	3203978	Gmdrm	hypo	CHG	-0.68
Gm12	3204248	3204316	Gmdrm	hypo	CHG	-0.2913
Gm12	3243415	3243622	Gmdrm	hypo	CHG	-0.057
Gm12	3243813	3244084	Gmdrm	hypo	CHG	-0.8416
Gm12	3246292	3246360	Gmdrm	hypo	CHG	-0.4688
Gm12	3246561	3246942	Gmdrm	hypo	CHG	-0.4391
Gm12	3249453	3249667	Gmdrm	hypo	CHG	-0.6869
Gm12	3249956	3250063	Gmdrm	hypo	CHG	-0.036
Gm12	3271337	3271442	Gmdrm	hypo	CHG	-0.4412
Gm12	3273400	3273583	Gmdrm	hypo	CHG	-0.2671
Gm12	3274313	3274750	Gmdrm	hypo	CHG	-0.6847
Gm12	3285896	3286150	Gmdrm	hypo	CHG	-0.5085
Gm12	3307970	3308304	Gmdrm	hypo	CHG	-0.6629
Gm12	3313904	3314213	Gmdrm	hypo	CHG	-0.0459
Gm12	3341631	3341792	Gmdrm	hypo	CHG	-0.06
Gm12	3344985	3345534	Gmdrm	hypo	CHG	-0.1261
Gm12	3360381	3360732	Gmdrm	hypo	CHG	-0.7216
Gm12	3361597	3361802	Gmdrm	hypo	CHG	-0.405
Gm12	3363532	3363718	Gmdrm	hypo	CHG	-0.6146
Gm12	3373351	3373466	Gmdrm	hypo	CHG	-0.04
Gm12	3384839	3385022	Gmdrm	hypo	CHG	-0.6829
Gm12	3386182	3386847	Gmdrm	hypo	CHG	-0.0816
Gm12	3413809	3414224	Gmdrm	hypo	CHG	-0.3806
Gm12	3415286	3415377	Gmdrm	hypo	CHG	-0.5933
Gm12	3416047	3416469	Gmdrm	hypo	CHG	-0.8959
Gm12	3417201	3417462	Gmdrm	hypo	CHG	-0.1017
Gm12	3436149	3436315	Gmdrm	hypo	CHG	-0.062
Gm12	3439600	3439751	Gmdrm	hypo	CHG	-0.1334
Gm12	3441000	3441259	Gmdrm	hypo	CHG	-0.7739
Gm12	3461114	3461313	Gmdrm	hypo	CHG	-0.0333
Gm12	3468626	3468662	Gmdrm	hypo	CHG	-0.036
Gm12	3469638	3470048	Gmdrm	hypo	CHG	-0.5211
Gm12	3472083	3472292	Gmdrm	hypo	CHG	-0.4743
Gm12	3472547	3472816	Gmdrm	hypo	CHG	-0.2706
Gm12	3488357	3488529	Gmdrm	hypo	CHG	-0.171
Gm12	3511947	3512742	Gmdrm	hypo	CHG	-0.5421
Gm12	3532709	3533014	Gmdrm	hypo	CHG	-0.0908
Gm12	3545917	3545995	Gmdrm	hypo	CHG	-0.855
Gm12	3548150	3548295	Gmdrm	hypo	CHG	-0.4667
Gm12	3549442	3549739	Gmdrm	hypo	CHG	-0.6566
Gm12	3556805	3557035	Gmdrm	hypo	CHG	-0.06
Gm12	3567006	3567131	Gmdrm	hypo	CHG	-0.8614
Gm12	3567235	3567330	Gmdrm	hypo	CHG	-0.89

Gm12	3582734	3582831	Gmdrm	hypo	CHG	-0.8
Gm12	3582974	3583250	Gmdrm	hypo	CHG	-0.9296
Gm12	3616384	3616622	Gmdrm	hypo	CHG	-0.7169
Gm12	3617933	3618019	Gmdrm	hypo	CHG	-0.0483
Gm12	3618126	3618729	Gmdrm	hypo	CHG	-0.8955
Gm12	3628720	3628891	Gmdrm	hypo	CHG	-0.0514
Gm12	3629760	3630001	Gmdrm	hypo	CHG	-0.0425
Gm12	3634926	3634955	Gmdrm	hypo	CHG	-0.0783
Gm12	3636631	3636726	Gmdrm	hypo	CHG	-0.5283
Gm12	3639701	3640001	Gmdrm	hypo	CHG	-0.0355
Gm12	3648804	3648886	Gmdrm	hypo	CHG	-0.795
Gm12	3675366	3675394	Gmdrm	hypo	CHG	-0.17
Gm12	3714779	3714928	Gmdrm	hypo	CHG	-0.3372
Gm12	3718083	3718413	Gmdrm	hypo	CHG	-0.6253
Gm12	3731123	3731190	Gmdrm	hypo	CHG	-0.8167
Gm12	3738668	3738737	Gmdrm	hypo	CHG	-0.5
Gm12	3739081	3739609	Gmdrm	hypo	CHG	-0.5609
Gm12	3749165	3749302	Gmdrm	hypo	CHG	-0.038
Gm12	3761634	3761724	Gmdrm	hypo	CHG	-0.62
Gm12	3765962	3766095	Gmdrm	hypo	CHG	-0.056
Gm12	3777373	3777585	Gmdrm	hypo	CHG	-0.05
Gm12	3792356	3792400	Gmdrm	hypo	CHG	-0.036
Gm12	3800449	3800519	Gmdrm	hypo	CHG	-0.058
Gm12	3848620	3848818	Gmdrm	hypo	CHG	-0.452
Gm12	3859729	3859835	Gmdrm	hypo	CHG	-0.488
Gm12	3919634	3919747	Gmdrm	hypo	CHG	-0.0433
Gm12	3930085	3930324	Gmdrm	hypo	CHG	-0.57
Gm12	3930777	3930925	Gmdrm	hypo	CHG	-0.036
Gm12	3937395	3937598	Gmdrm	hypo	CHG	-0.066
Gm12	3941181	3941516	Gmdrm	hypo	CHG	-0.1316
Gm12	3950357	3950551	Gmdrm	hypo	CHG	-0.048
Gm12	3958677	3958800	Gmdrm	hypo	CHG	-0.038
Gm12	3993738	3994002	Gmdrm	hypo	CHG	-0.82
Gm12	3994545	3994690	Gmdrm	hypo	CHG	-0.6483
Gm12	3999232	3999372	Gmdrm	hypo	CHG	-0.6562
Gm12	3999623	3999887	Gmdrm	hypo	CHG	-0.934
Gm12	3999992	4000071	Gmdrm	hypo	CHG	-0.5056
Gm12	4025409	4025623	Gmdrm	hypo	CHG	-0.0356
Gm12	4031328	4031482	Gmdrm	hypo	CHG	-0.1264
Gm12	4032112	4032266	Gmdrm	hypo	CHG	-0.165
Gm12	4039512	4039684	Gmdrm	hypo	CHG	-0.035
Gm12	4045027	4045158	Gmdrm	hypo	CHG	-0.434
Gm12	4074273	4074412	Gmdrm	hypo	CHG	-0.13
Gm12	4104149	4104390	Gmdrm	hypo	CHG	-0.03
Gm12	4122676	4122801	Gmdrm	hypo	CHG	-0.48
Gm12	4140537	4140745	Gmdrm	hypo	CHG	-0.0819

Gm12	4145193	4145290 Gmdrm	hypo	CHG	-0.052
Gm12	4158918	4159054 Gmdrm	hypo	CHG	-0.4724
Gm12	4164223	4164303 Gmdrm	hypo	CHG	-0.0383
Gm12	4169175	4169267 Gmdrm	hypo	CHG	-0.738
Gm12	4181271	4181441 Gmdrm	hypo	CHG	-0.046
Gm12	4214368	4214612 Gmdrm	hypo	CHG	-0.0912
Gm12	4226152	4226395 Gmdrm	hypo	CHG	-0.054
Gm12	4237909	4237931 Gmdrm	hypo	CHG	-0.78
Gm12	4264036	4264330 Gmdrm	hypo	CHG	-0.7877
Gm12	4284036	4284223 Gmdrm	hypo	CHG	-0.7486
Gm12	4284383	4284786 Gmdrm	hypo	CHG	-0.7029
Gm12	4298230	4298428 Gmdrm	hypo	CHG	-0.8942
Gm12	4327463	4327606 Gmdrm	hypo	CHG	-0.5512
Gm12	4327845	4328033 Gmdrm	hypo	CHG	-0.8938
Gm12	4328138	4328205 Gmdrm	hypo	CHG	-0.82
Gm12	4332030	4332136 Gmdrm	hypo	CHG	-0.04
Gm12	4361482	4361692 Gmdrm	hypo	CHG	-0.4015
Gm12	4362008	4362322 Gmdrm	hypo	CHG	-0.6067
Gm12	4365784	4366217 Gmdrm	hypo	CHG	-0.07
Gm12	4382561	4382819 Gmdrm	hypo	CHG	-0.6025
Gm12	4389595	4389668 Gmdrm	hypo	CHG	-0.5867
Gm12	4399950	4400077 Gmdrm	hypo	CHG	-0.32
Gm12	4404243	4404461 Gmdrm	hypo	CHG	-0.0757
Gm12	4415997	4416094 Gmdrm	hypo	CHG	-0.12
Gm12	4442695	4442890 Gmdrm	hypo	CHG	-0.0317
Gm12	4449402	4449526 Gmdrm	hypo	CHG	-0.7518
Gm12	4455418	4455681 Gmdrm	hypo	CHG	-0.055
Gm12	4485027	4485174 Gmdrm	hypo	CHG	-0.5962
Gm12	4488288	4488553 Gmdrm	hypo	CHG	-0.0314
Gm12	4505857	4505954 Gmdrm	hypo	CHG	-0.9166
Gm12	4507242	4507388 Gmdrm	hypo	CHG	-0.495
Gm12	4507656	4507883 Gmdrm	hypo	CHG	-0.3064
Gm12	4522631	4522935 Gmdrm	hypo	CHG	-0.4082
Gm12	4534865	4534902 Gmdrm	hypo	CHG	-0.4017
Gm12	4561765	4561807 Gmdrm	hypo	CHG	-0.5587
Gm12	4564894	4565058 Gmdrm	hypo	CHG	-0.038
Gm12	4569133	4569266 Gmdrm	hypo	CHG	-0.304
Gm12	4573974	4574151 Gmdrm	hypo	CHG	-0.5273
Gm12	4577222	4577377 Gmdrm	hypo	CHG	-0.5025
Gm12	4585090	4585330 Gmdrm	hypo	CHG	-0.5894
Gm12	4602220	4602612 Gmdrm	hypo	CHG	-0.0703
Gm12	4603043	4603289 Gmdrm	hypo	CHG	-0.7544
Gm12	4606617	4606719 Gmdrm	hypo	CHG	-0.6257
Gm12	4626705	4626795 Gmdrm	hypo	CHG	-0.07
Gm12	4654729	4654784 Gmdrm	hypo	CHG	-0.9066
Gm12	4657101	4657131 Gmdrm	hypo	CHG	-0.21

Gm12	4697830	4698000	Gmdrm	hypo	CHG	-0.469
Gm12	4713874	4714193	Gmdrm	hypo	CHG	-0.5418
Gm12	4720729	4721047	Gmdrm	hypo	CHG	-0.3366
Gm12	4724236	4724553	Gmdrm	hypo	CHG	-0.7211
Gm12	4724858	4724963	Gmdrm	hypo	CHG	-0.5484
Gm12	4778040	4778574	Gmdrm	hypo	CHG	-0.0487
Gm12	4792521	4792903	Gmdrm	hypo	CHG	-0.3961
Gm12	4800672	4800704	Gmdrm	hypo	CHG	-0.265
Gm12	4801438	4801684	Gmdrm	hypo	CHG	-0.3409
Gm12	4816217	4816777	Gmdrm	hypo	CHG	-0.0246
Gm12	4834630	4834679	Gmdrm	hypo	CHG	-0.09
Gm12	4836326	4836525	Gmdrm	hypo	CHG	-0.6425
Gm12	4836634	4836699	Gmdrm	hypo	CHG	-0.746
Gm12	4842891	4843048	Gmdrm	hypo	CHG	-0.718
Gm12	4852736	4852778	Gmdrm	hypo	CHG	-0.0617
Gm12	4853751	4854013	Gmdrm	hypo	CHG	-0.0224
Gm12	4856052	4856097	Gmdrm	hypo	CHG	-0.052
Gm12	4900900	4901383	Gmdrm	hypo	CHG	-0.3537
Gm12	4908006	4908202	Gmdrm	hypo	CHG	-0.79
Gm12	4914013	4914113	Gmdrm	hypo	CHG	-0.0967
Gm12	4928189	4928421	Gmdrm	hypo	CHG	-0.0258
Gm12	4928775	4928869	Gmdrm	hypo	CHG	-0.5117
Gm12	4933086	4933213	Gmdrm	hypo	CHG	-0.65
Gm12	4933554	4934089	Gmdrm	hypo	CHG	-0.2633
Gm12	4934218	4934425	Gmdrm	hypo	CHG	-0.46
Gm12	4936617	4936764	Gmdrm	hypo	CHG	-0.4323
Gm12	4937429	4937542	Gmdrm	hypo	CHG	-0.3343
Gm12	4950388	4950515	Gmdrm	hypo	CHG	-0.2091
Gm12	4950774	4950802	Gmdrm	hypo	CHG	-0.714
Gm12	4950914	4951143	Gmdrm	hypo	CHG	-0.6477
Gm12	4952132	4952279	Gmdrm	hypo	CHG	-0.5343
Gm12	4952850	4952989	Gmdrm	hypo	CHG	-0.48
Gm12	4953235	4953345	Gmdrm	hypo	CHG	-0.4228
Gm12	4960069	4960159	Gmdrm	hypo	CHG	-0.622
Gm12	4965145	4965397	Gmdrm	hypo	CHG	-0.78
Gm12	4987953	4988118	Gmdrm	hypo	CHG	-0.383
Gm12	5042878	5043099	Gmdrm	hypo	CHG	-0.035
Gm12	5053974	5054590	Gmdrm	hypo	CHG	-0.254
Gm12	5058426	5058804	Gmdrm	hypo	CHG	-0.3935
Gm12	5089037	5089252	Gmdrm	hypo	CHG	-0.4201
Gm12	5089589	5089765	Gmdrm	hypo	CHG	-0.32
Gm12	5093633	5093882	Gmdrm	hypo	CHG	-0.3324
Gm12	5094045	5094248	Gmdrm	hypo	CHG	-0.294
Gm12	5095005	5095184	Gmdrm	hypo	CHG	-0.1476
Gm12	5104671	5104864	Gmdrm	hypo	CHG	-0.0708
Gm12	5118275	5118480	Gmdrm	hypo	CHG	-0.5125

Gm12	5118760	5118868 Gmdrm	hypo	CHG	-0.156
Gm12	5134978	5135176 Gmdrm	hypo	CHG	-0.0533
Gm12	5136190	5136655 Gmdrm	hypo	CHG	-0.3239
Gm12	5157117	5157150 Gmdrm	hypo	CHG	-0.772
Gm12	5157440	5157705 Gmdrm	hypo	CHG	-0.7953
Gm12	5162073	5162375 Gmdrm	hypo	CHG	-0.0313
Gm12	5165240	5165415 Gmdrm	hypo	CHG	-0.3524
Gm12	5165599	5165737 Gmdrm	hypo	CHG	-0.372
Gm12	5165941	5166179 Gmdrm	hypo	CHG	-0.0999
Gm12	5185660	5186186 Gmdrm	hypo	CHG	-0.2052
Gm12	5193735	5194149 Gmdrm	hypo	CHG	-0.3097
Gm12	5200795	5200968 Gmdrm	hypo	CHG	-0.0763
Gm12	5203749	5203890 Gmdrm	hypo	CHG	-0.05
Gm12	5205931	5205965 Gmdrm	hypo	CHG	-0.675
Gm12	5210906	5211103 Gmdrm	hypo	CHG	-0.6028
Gm12	5225300	5225542 Gmdrm	hypo	CHG	-0.0516
Gm12	5234470	5234595 Gmdrm	hypo	CHG	-0.19
Gm12	5263183	5263210 Gmdrm	hypo	CHG	-0.1033
Gm12	5272431	5272916 Gmdrm	hypo	CHG	-0.538
Gm12	5304219	5304258 Gmdrm	hypo	CHG	-0.5333
Gm12	5340606	5340720 Gmdrm	hypo	CHG	-0.17
Gm12	5347832	5347945 Gmdrm	hypo	CHG	-0.7286
Gm12	5363850	5363907 Gmdrm	hypo	CHG	-0.8217
Gm12	5370415	5370522 Gmdrm	hypo	CHG	-0.0429
Gm12	5391728	5391906 Gmdrm	hypo	CHG	-0.316
Gm12	5399537	5399558 Gmdrm	hypo	CHG	-0.038
Gm12	5402790	5402931 Gmdrm	hypo	CHG	-0.0315
Gm12	5403862	5404167 Gmdrm	hypo	CHG	-0.3255
Gm12	5417023	5417199 Gmdrm	hypo	CHG	-0.3713
Gm12	5423455	5423678 Gmdrm	hypo	CHG	-0.8878
Gm12	5433445	5433496 Gmdrm	hypo	CHG	-0.5012
Gm12	5447359	5447508 Gmdrm	hypo	CHG	-0.3387
Gm12	5461299	5461416 Gmdrm	hypo	CHG	-0.042
Gm12	5461582	5461858 Gmdrm	hypo	CHG	-0.6528
Gm12	5473351	5473555 Gmdrm	hypo	CHG	-0.7011
Gm12	5476781	5476954 Gmdrm	hypo	CHG	-0.044
Gm12	5485381	5485736 Gmdrm	hypo	CHG	-0.1758
Gm12	5488254	5488436 Gmdrm	hypo	CHG	-0.03
Gm12	5493967	5494118 Gmdrm	hypo	CHG	-0.088
Gm12	5498495	5498826 Gmdrm	hypo	CHG	-0.0572
Gm12	5499635	5500134 Gmdrm	hypo	CHG	-0.1805
Gm12	5501642	5501859 Gmdrm	hypo	CHG	-0.1645
Gm12	5511825	5512082 Gmdrm	hypo	CHG	-0.5462
Gm12	5512199	5512449 Gmdrm	hypo	CHG	-0.771
Gm12	5516748	5516875 Gmdrm	hypo	CHG	-0.29
Gm12	5519102	5519270 Gmdrm	hypo	CHG	-0.6018

Gm12	5519408	5519478 Gmdrm	hypo	CHG	-0.5137
Gm12	5549008	5549144 Gmdrm	hypo	CHG	-0.47
Gm12	5557433	5557829 Gmdrm	hypo	CHG	-0.3395
Gm12	5565880	5566123 Gmdrm	hypo	CHG	-0.39
Gm12	5569549	5569667 Gmdrm	hypo	CHG	-0.9223
Gm12	5575265	5575320 Gmdrm	hypo	CHG	-0.144
Gm12	5596146	5596368 Gmdrm	hypo	CHG	-0.0717
Gm12	5596529	5596625 Gmdrm	hypo	CHG	-0.8163
Gm12	5596735	5596887 Gmdrm	hypo	CHG	-0.542
Gm12	5608197	5608322 Gmdrm	hypo	CHG	-0.04
Gm12	5620870	5620986 Gmdrm	hypo	CHG	-0.5607
Gm12	5621275	5621397 Gmdrm	hypo	CHG	-0.722
Gm12	5622661	5622848 Gmdrm	hypo	CHG	-0.8646
Gm12	5629371	5629515 Gmdrm	hypo	CHG	-0.0786
Gm12	5646778	5647085 Gmdrm	hypo	CHG	-0.052
Gm12	5648409	5648547 Gmdrm	hypo	CHG	-0.24
Gm12	5648672	5648962 Gmdrm	hypo	CHG	-0.5469
Gm12	5649368	5649564 Gmdrm	hypo	CHG	-0.9843
Gm12	5649679	5649852 Gmdrm	hypo	CHG	-0.7033
Gm12	5665438	5665609 Gmdrm	hypo	CHG	-0.1788
Gm12	5670214	5670394 Gmdrm	hypo	CHG	-0.7541
Gm12	5671868	5672181 Gmdrm	hypo	CHG	-0.275
Gm12	5674014	5674072 Gmdrm	hypo	CHG	-0.8372
Gm12	5676454	5676613 Gmdrm	hypo	CHG	-0.06
Gm12	5679161	5679252 Gmdrm	hypo	CHG	-0.79
Gm12	5681593	5681849 Gmdrm	hypo	CHG	-0.7155
Gm12	5682297	5682333 Gmdrm	hypo	CHG	-0.7767
Gm12	5693518	5693671 Gmdrm	hypo	CHG	-0.045
Gm12	5693776	5694002 Gmdrm	hypo	CHG	-0.6535
Gm12	5694309	5694512 Gmdrm	hypo	CHG	-0.3507
Gm12	5696445	5696750 Gmdrm	hypo	CHG	-0.6351
Gm12	5718007	5718143 Gmdrm	hypo	CHG	-0.7137
Gm12	5718295	5718392 Gmdrm	hypo	CHG	-0.8067
Gm12	5718897	5719140 Gmdrm	hypo	CHG	-0.4891
Gm12	5720912	5721004 Gmdrm	hypo	CHG	-0.44
Gm12	5721416	5721601 Gmdrm	hypo	CHG	-0.038
Gm12	5727372	5727500 Gmdrm	hypo	CHG	-0.8105
Gm12	5738506	5738553 Gmdrm	hypo	CHG	-0.42
Gm12	5767279	5767426 Gmdrm	hypo	CHG	-0.635
Gm12	5767940	5768095 Gmdrm	hypo	CHG	-0.53
Gm12	5819226	5819479 Gmdrm	hypo	CHG	-0.0258
Gm12	5828365	5828475 Gmdrm	hypo	CHG	-0.79
Gm12	5884954	5885078 Gmdrm	hypo	CHG	-0.5134
Gm12	5891557	5891761 Gmdrm	hypo	CHG	-0.0433
Gm12	5894930	5895058 Gmdrm	hypo	CHG	-0.0571
Gm12	5910826	5910957 Gmdrm	hypo	CHG	-0.6833

Gm12	5911101	5911210 Gmdrm	hypo	CHG	-0.758
Gm12	5927395	5927426 Gmdrm	hypo	CHG	-0.7567
Gm12	5927893	5928040 Gmdrm	hypo	CHG	-0.0917
Gm12	5929952	5930290 Gmdrm	hypo	CHG	-0.1632
Gm12	5937027	5937701 Gmdrm	hypo	CHG	-0.2219
Gm12	5939753	5939905 Gmdrm	hypo	CHG	-0.379
Gm12	5940123	5940385 Gmdrm	hypo	CHG	-0.53
Gm12	5942196	5942328 Gmdrm	hypo	CHG	-0.8283
Gm12	5966842	5967032 Gmdrm	hypo	CHG	-0.7669
Gm12	5971262	5971341 Gmdrm	hypo	CHG	-0.044
Gm12	5971480	5971701 Gmdrm	hypo	CHG	-0.7308
Gm12	5971814	5972071 Gmdrm	hypo	CHG	-0.5143
Gm12	5972189	5972559 Gmdrm	hypo	CHG	-0.4346
Gm12	5975697	5975987 Gmdrm	hypo	CHG	-0.29
Gm12	5990091	5990231 Gmdrm	hypo	CHG	-0.066
Gm12	6003808	6003939 Gmdrm	hypo	CHG	-0.6529
Gm12	6013106	6013289 Gmdrm	hypo	CHG	-0.5317
Gm12	6020760	6021142 Gmdrm	hypo	CHG	-0.2356
Gm12	6021281	6021493 Gmdrm	hypo	CHG	-0.5917
Gm12	6039977	6040358 Gmdrm	hypo	CHG	-0.0563
Gm12	6046073	6046286 Gmdrm	hypo	CHG	-0.673
Gm12	6057314	6057598 Gmdrm	hypo	CHG	-0.126
Gm12	6058910	6059069 Gmdrm	hypo	CHG	-0.758
Gm12	6067936	6068222 Gmdrm	hypo	CHG	-0.6427
Gm12	6069198	6069431 Gmdrm	hypo	CHG	-0.8114
Gm12	6070327	6070662 Gmdrm	hypo	CHG	-0.7465
Gm12	6081993	6082238 Gmdrm	hypo	CHG	-0.5289
Gm12	6103654	6103750 Gmdrm	hypo	CHG	-0.6486
Gm12	6104105	6104260 Gmdrm	hypo	CHG	-0.55
Gm12	6108042	6108610 Gmdrm	hypo	CHG	-0.0897
Gm12	6109098	6109217 Gmdrm	hypo	CHG	-0.1959
Gm12	6109368	6109712 Gmdrm	hypo	CHG	-0.271
Gm12	6125518	6125734 Gmdrm	hypo	CHG	-0.1413
Gm12	6127511	6127569 Gmdrm	hypo	CHG	-0.31
Gm12	6128240	6128373 Gmdrm	hypo	CHG	-0.8217
Gm12	6128575	6128854 Gmdrm	hypo	CHG	-0.5012
Gm12	6129065	6129124 Gmdrm	hypo	CHG	-0.296
Gm12	6131587	6131877 Gmdrm	hypo	CHG	-0.402
Gm12	6133321	6133464 Gmdrm	hypo	CHG	-0.5545
Gm12	6137104	6137187 Gmdrm	hypo	CHG	-0.5517
Gm12	6137521	6137555 Gmdrm	hypo	CHG	-0.6883
Gm12	6138704	6138817 Gmdrm	hypo	CHG	-0.7043
Gm12	6139100	6139214 Gmdrm	hypo	CHG	-0.4437
Gm12	6155256	6155534 Gmdrm	hypo	CHG	-0.0771
Gm12	6187242	6187351 Gmdrm	hypo	CHG	-0.6443
Gm12	6187457	6187522 Gmdrm	hypo	CHG	-0.082

Gm12	6194541	6194699	Gmdrm	hypo	CHG	-0.238
Gm12	6197401	6197582	Gmdrm	hypo	CHG	-0.5691
Gm12	6199385	6199401	Gmdrm	hypo	CHG	-0.3083
Gm12	6208664	6208762	Gmdrm	hypo	CHG	-0.6333
Gm12	6210920	6211022	Gmdrm	hypo	CHG	-0.538
Gm12	6211472	6211650	Gmdrm	hypo	CHG	-0.5573
Gm12	6220535	6220596	Gmdrm	hypo	CHG	-0.0884
Gm12	6223761	6223877	Gmdrm	hypo	CHG	-0.032
Gm12	6246614	6246744	Gmdrm	hypo	CHG	-0.058
Gm12	6248049	6248213	Gmdrm	hypo	CHG	-0.05
Gm12	6251466	6251775	Gmdrm	hypo	CHG	-0.3307
Gm12	6256260	6256547	Gmdrm	hypo	CHG	-0.66
Gm12	6275167	6275238	Gmdrm	hypo	CHG	-0.23
Gm12	6281413	6281690	Gmdrm	hypo	CHG	-0.8357
Gm12	6309044	6309272	Gmdrm	hypo	CHG	-0.0487
Gm12	6317790	6318152	Gmdrm	hypo	CHG	-0.2513
Gm12	6336709	6336840	Gmdrm	hypo	CHG	-0.032
Gm12	6344625	6344698	Gmdrm	hypo	CHG	-0.648
Gm12	6345016	6345154	Gmdrm	hypo	CHG	-0.532
Gm12	6349234	6349593	Gmdrm	hypo	CHG	-0.1729
Gm12	6353259	6353387	Gmdrm	hypo	CHG	-0.0929
Gm12	6360603	6361146	Gmdrm	hypo	CHG	-0.0359
Gm12	6367673	6367930	Gmdrm	hypo	CHG	-0.383
Gm12	6368334	6368550	Gmdrm	hypo	CHG	-0.4387
Gm12	6369431	6369640	Gmdrm	hypo	CHG	-0.0367
Gm12	6380841	6381104	Gmdrm	hypo	CHG	-0.75
Gm12	6383486	6383519	Gmdrm	hypo	CHG	-0.4367
Gm12	6385360	6385387	Gmdrm	hypo	CHG	-0.6128
Gm12	6390441	6390617	Gmdrm	hypo	CHG	-0.4067
Gm12	6390731	6390787	Gmdrm	hypo	CHG	-0.805
Gm12	6411654	6411810	Gmdrm	hypo	CHG	-0.9
Gm12	6415462	6415572	Gmdrm	hypo	CHG	-0.67
Gm12	6415743	6415937	Gmdrm	hypo	CHG	-0.4217
Gm12	6426266	6426338	Gmdrm	hypo	CHG	-0.025
Gm12	6430386	6430500	Gmdrm	hypo	CHG	-0.7425
Gm12	6431068	6431414	Gmdrm	hypo	CHG	-0.1215
Gm12	6439686	6439809	Gmdrm	hypo	CHG	-0.456
Gm12	6445009	6445175	Gmdrm	hypo	CHG	-0.1833
Gm12	6451174	6451474	Gmdrm	hypo	CHG	-0.2638
Gm12	6477694	6477789	Gmdrm	hypo	CHG	-0.2466
Gm12	6478147	6478356	Gmdrm	hypo	CHG	-0.3073
Gm12	6478561	6478956	Gmdrm	hypo	CHG	-0.6983
Gm12	6479181	6479262	Gmdrm	hypo	CHG	-0.0745
Gm12	6485487	6485827	Gmdrm	hypo	CHG	-0.598
Gm12	6487376	6487780	Gmdrm	hypo	CHG	-0.4495
Gm12	6495785	6495873	Gmdrm	hypo	CHG	-0.78

Gm12	6495998	6496091	Gmdrm	hypo	CHG	-0.7433
Gm12	6496212	6496296	Gmdrm	hypo	CHG	-0.7067
Gm12	6505545	6505721	Gmdrm	hypo	CHG	-0.4243
Gm12	6506611	6507085	Gmdrm	hypo	CHG	-0.2895
Gm12	6540893	6540975	Gmdrm	hypo	CHG	-0.602
Gm12	6549800	6550064	Gmdrm	hypo	CHG	-0.1521
Gm12	6550492	6550715	Gmdrm	hypo	CHG	-0.4469
Gm12	6551866	6552284	Gmdrm	hypo	CHG	-0.7568
Gm12	6552845	6553027	Gmdrm	hypo	CHG	-0.6638
Gm12	6553317	6553581	Gmdrm	hypo	CHG	-0.6317
Gm12	6558253	6558426	Gmdrm	hypo	CHG	-0.6129
Gm12	6567524	6567709	Gmdrm	hypo	CHG	-0.0383
Gm12	6581531	6581725	Gmdrm	hypo	CHG	-0.035
Gm12	6585045	6585395	Gmdrm	hypo	CHG	-0.0431
Gm12	6588280	6588758	Gmdrm	hypo	CHG	-0.8183
Gm12	6589439	6589461	Gmdrm	hypo	CHG	-0.71
Gm12	6589578	6589803	Gmdrm	hypo	CHG	-0.555
Gm12	6590573	6590645	Gmdrm	hypo	CHG	-0.8833
Gm12	6594640	6595167	Gmdrm	hypo	CHG	-0.0861
Gm12	6613496	6613630	Gmdrm	hypo	CHG	-0.056
Gm12	6618408	6618499	Gmdrm	hypo	CHG	-0.9011
Gm12	6621692	6621913	Gmdrm	hypo	CHG	-0.69
Gm12	6651758	6651812	Gmdrm	hypo	CHG	-0.0455
Gm12	6684055	6684087	Gmdrm	hypo	CHG	-0.626
Gm12	6684268	6684372	Gmdrm	hypo	CHG	-0.3234
Gm12	6684582	6684650	Gmdrm	hypo	CHG	-0.042
Gm12	6692304	6692323	Gmdrm	hypo	CHG	-0.582
Gm12	6694113	6694307	Gmdrm	hypo	CHG	-0.6457
Gm12	6699736	6699813	Gmdrm	hypo	CHG	-0.932
Gm12	6703467	6703624	Gmdrm	hypo	CHG	-0.425
Gm12	6706890	6707089	Gmdrm	hypo	CHG	-0.0413
Gm12	6713532	6713936	Gmdrm	hypo	CHG	-0.2734
Gm12	6737353	6737518	Gmdrm	hypo	CHG	-0.37
Gm12	6737678	6737803	Gmdrm	hypo	CHG	-0.106
Gm12	6737985	6738310	Gmdrm	hypo	CHG	-0.7596
Gm12	6746425	6746746	Gmdrm	hypo	CHG	-0.5177
Gm12	6756712	6756826	Gmdrm	hypo	CHG	-0.5828
Gm12	6758329	6758438	Gmdrm	hypo	CHG	-0.83
Gm12	6758945	6759385	Gmdrm	hypo	CHG	-0.4753
Gm12	6794986	6795299	Gmdrm	hypo	CHG	-0.0333
Gm12	6796821	6796962	Gmdrm	hypo	CHG	-0.36
Gm12	6817184	6817222	Gmdrm	hypo	CHG	-0.8149
Gm12	6827480	6827623	Gmdrm	hypo	CHG	-0.664
Gm12	6828169	6828523	Gmdrm	hypo	CHG	-0.2058
Gm12	6828694	6828809	Gmdrm	hypo	CHG	-0.7288
Gm12	6860768	6860989	Gmdrm	hypo	CHG	-0.8796

Gm12	6866255	6866425	Gmdrm	hypo	CHG	-0.0337
Gm12	6880433	6880600	Gmdrm	hypo	CHG	-0.205
Gm12	6894403	6894450	Gmdrm	hypo	CHG	-0.126
Gm12	6914643	6914863	Gmdrm	hypo	CHG	-0.06
Gm12	6925312	6925396	Gmdrm	hypo	CHG	-0.66
Gm12	6955267	6955419	Gmdrm	hypo	CHG	-0.47
Gm12	6958730	6958810	Gmdrm	hypo	CHG	-0.2633
Gm12	6962123	6962282	Gmdrm	hypo	CHG	-0.6311
Gm12	6962478	6962741	Gmdrm	hypo	CHG	-0.3433
Gm12	6966180	6966476	Gmdrm	hypo	CHG	-0.5356
Gm12	7018922	7019189	Gmdrm	hypo	CHG	-0.034
Gm12	7033683	7033850	Gmdrm	hypo	CHG	-0.0417
Gm12	7050464	7050599	Gmdrm	hypo	CHG	-0.411
Gm12	7050858	7051013	Gmdrm	hypo	CHG	-0.3015
Gm12	7053082	7053449	Gmdrm	hypo	CHG	-0.6061
Gm12	7071652	7071790	Gmdrm	hypo	CHG	-0.5775
Gm12	7095572	7095790	Gmdrm	hypo	CHG	-0.06
Gm12	7103403	7104132	Gmdrm	hypo	CHG	-0.1357
Gm12	7116657	7116907	Gmdrm	hypo	CHG	-0.62
Gm12	7117093	7117290	Gmdrm	hypo	CHG	-0.4219
Gm12	7123252	7123411	Gmdrm	hypo	CHG	-0.2533
Gm12	7127559	7127846	Gmdrm	hypo	CHG	-0.3934
Gm12	7129035	7129110	Gmdrm	hypo	CHG	-0.8457
Gm12	7131657	7131708	Gmdrm	hypo	CHG	-0.632
Gm12	7141725	7141966	Gmdrm	hypo	CHG	-0.055
Gm12	7154387	7154460	Gmdrm	hypo	CHG	-0.672
Gm12	7166546	7166673	Gmdrm	hypo	CHG	-0.0583
Gm12	7170421	7170686	Gmdrm	hypo	CHG	-0.9123
Gm12	7170855	7170893	Gmdrm	hypo	CHG	-0.8266
Gm12	7176128	7176266	Gmdrm	hypo	CHG	-0.1436
Gm12	7196784	7196823	Gmdrm	hypo	CHG	-0.585
Gm12	7207042	7207374	Gmdrm	hypo	CHG	-0.4538
Gm12	7215372	7215445	Gmdrm	hypo	CHG	-0.8133
Gm12	7227989	7228081	Gmdrm	hypo	CHG	-0.038
Gm12	7235954	7236090	Gmdrm	hypo	CHG	-0.034
Gm12	7297376	7297445	Gmdrm	hypo	CHG	-0.7128
Gm12	7298563	7298934	Gmdrm	hypo	CHG	-0.6306
Gm12	7308017	7308225	Gmdrm	hypo	CHG	-0.09
Gm12	7313085	7313436	Gmdrm	hypo	CHG	-0.8485
Gm12	7313631	7313704	Gmdrm	hypo	CHG	-0.7467
Gm12	7318856	7318930	Gmdrm	hypo	CHG	-0.475
Gm12	7344154	7344308	Gmdrm	hypo	CHG	-0.5578
Gm12	7346321	7347305	Gmdrm	hypo	CHG	-0.2111
Gm12	7357372	7357555	Gmdrm	hypo	CHG	-0.684
Gm12	7372552	7372786	Gmdrm	hypo	CHG	-0.211
Gm12	7372946	7373079	Gmdrm	hypo	CHG	-0.7725

Gm12	7373201	7373753	Gmdrm	hypo	CHG	-0.3655
Gm12	7375469	7375756	Gmdrm	hypo	CHG	-0.2809
Gm12	7377566	7377961	Gmdrm	hypo	CHG	-0.5767
Gm12	7378069	7378100	Gmdrm	hypo	CHG	-0.782
Gm12	7378220	7378253	Gmdrm	hypo	CHG	-0.7416
Gm12	7378583	7378687	Gmdrm	hypo	CHG	-0.2285
Gm12	7394858	7395064	Gmdrm	hypo	CHG	-0.7027
Gm12	7395419	7395512	Gmdrm	hypo	CHG	-0.2417
Gm12	7407769	7407797	Gmdrm	hypo	CHG	-0.8
Gm12	7407908	7408062	Gmdrm	hypo	CHG	-0.6866
Gm12	7408167	7408538	Gmdrm	hypo	CHG	-0.6708
Gm12	7408715	7408832	Gmdrm	hypo	CHG	-0.746
Gm12	7419858	7420023	Gmdrm	hypo	CHG	-0.9289
Gm12	7422834	7422891	Gmdrm	hypo	CHG	-0.385
Gm12	7424991	7425092	Gmdrm	hypo	CHG	-0.7383
Gm12	7425222	7425279	Gmdrm	hypo	CHG	-0.692
Gm12	7426889	7427097	Gmdrm	hypo	CHG	-0.6246
Gm12	7429009	7429201	Gmdrm	hypo	CHG	-0.0316
Gm12	7455722	7455741	Gmdrm	hypo	CHG	-0.228
Gm12	7455855	7456111	Gmdrm	hypo	CHG	-0.5
Gm12	7469711	7469888	Gmdrm	hypo	CHG	-0.0934
Gm12	7494495	7494638	Gmdrm	hypo	CHG	-0.2554
Gm12	7495370	7495666	Gmdrm	hypo	CHG	-0.3248
Gm12	7496750	7497577	Gmdrm	hypo	CHG	-0.5115
Gm12	7510273	7510410	Gmdrm	hypo	CHG	-0.538
Gm12	7521673	7522058	Gmdrm	hypo	CHG	-0.32
Gm12	7526919	7526958	Gmdrm	hypo	CHG	-0.608
Gm12	7566127	7566191	Gmdrm	hypo	CHG	-0.7433
Gm12	7574540	7574837	Gmdrm	hypo	CHG	-0.4612
Gm12	7590384	7590515	Gmdrm	hypo	CHG	-0.045
Gm12	7594533	7594647	Gmdrm	hypo	CHG	-0.046
Gm12	7597199	7597374	Gmdrm	hypo	CHG	-0.1469
Gm12	7607402	7607574	Gmdrm	hypo	CHG	-0.8277
Gm12	7623276	7623437	Gmdrm	hypo	CHG	-0.04
Gm12	7632111	7632413	Gmdrm	hypo	CHG	-0.069
Gm12	7633608	7633768	Gmdrm	hypo	CHG	-0.3488
Gm12	7637438	7637516	Gmdrm	hypo	CHG	-0.146
Gm12	7638243	7638313	Gmdrm	hypo	CHG	-0.354
Gm12	7638778	7638901	Gmdrm	hypo	CHG	-0.3062
Gm12	7640496	7640539	Gmdrm	hypo	CHG	-0.7824
Gm12	7649832	7650169	Gmdrm	hypo	CHG	-0.4334
Gm12	7650416	7650517	Gmdrm	hypo	CHG	-0.608
Gm12	7656305	7656479	Gmdrm	hypo	CHG	-0.328
Gm12	7656640	7656820	Gmdrm	hypo	CHG	-0.5667
Gm12	7677624	7677952	Gmdrm	hypo	CHG	-0.6967
Gm12	7680082	7680433	Gmdrm	hypo	CHG	-0.102

Gm12	7681784	7681966	Gmdrm	hypo	CHG	-0.6005
Gm12	7689720	7690209	Gmdrm	hypo	CHG	-0.1275
Gm12	7705710	7706113	Gmdrm	hypo	CHG	-0.198
Gm12	7728704	7729022	Gmdrm	hypo	CHG	-0.6
Gm12	7736202	7736279	Gmdrm	hypo	CHG	-0.7371
Gm12	7737651	7737993	Gmdrm	hypo	CHG	-0.5609
Gm12	7746892	7747018	Gmdrm	hypo	CHG	-0.7078
Gm12	7747126	7747203	Gmdrm	hypo	CHG	-0.765
Gm12	7747994	7748251	Gmdrm	hypo	CHG	-0.715
Gm12	7750019	7750337	Gmdrm	hypo	CHG	-0.0691
Gm12	7750844	7751099	Gmdrm	hypo	CHG	-0.385
Gm12	7753209	7753359	Gmdrm	hypo	CHG	-0.3987
Gm12	7753686	7754248	Gmdrm	hypo	CHG	-0.8537
Gm12	7772325	7772416	Gmdrm	hypo	CHG	-0.5372
Gm12	7779276	7779601	Gmdrm	hypo	CHG	-0.0373
Gm12	7788107	7788319	Gmdrm	hypo	CHG	-0.7733
Gm12	7788446	7788481	Gmdrm	hypo	CHG	-0.732
Gm12	7788753	7788921	Gmdrm	hypo	CHG	-0.2789
Gm12	7806493	7806832	Gmdrm	hypo	CHG	-0.2564
Gm12	7810887	7811006	Gmdrm	hypo	CHG	-0.5863
Gm12	7834879	7835028	Gmdrm	hypo	CHG	-0.042
Gm12	7839754	7839917	Gmdrm	hypo	CHG	-0.4586
Gm12	7840982	7841186	Gmdrm	hypo	CHG	-0.4278
Gm12	7866661	7866829	Gmdrm	hypo	CHG	-0.7716
Gm12	7879856	7879978	Gmdrm	hypo	CHG	-0.1666
Gm12	7889908	7890036	Gmdrm	hypo	CHG	-0.54
Gm12	7905201	7905505	Gmdrm	hypo	CHG	-0.2721
Gm12	7942207	7942322	Gmdrm	hypo	CHG	-0.4733
Gm12	7974261	7974522	Gmdrm	hypo	CHG	-0.0529
Gm12	7996479	7996580	Gmdrm	hypo	CHG	-0.6322
Gm12	7998695	7998780	Gmdrm	hypo	CHG	-0.44
Gm12	7998923	7999217	Gmdrm	hypo	CHG	-0.2721
Gm12	8001415	8001595	Gmdrm	hypo	CHG	-0.5828
Gm12	8003122	8003479	Gmdrm	hypo	CHG	-0.665
Gm12	8009579	8010093	Gmdrm	hypo	CHG	-0.1144
Gm12	8027279	8027371	Gmdrm	hypo	CHG	-0.786
Gm12	8032048	8032119	Gmdrm	hypo	CHG	-0.04
Gm12	8036256	8036719	Gmdrm	hypo	CHG	-0.3815
Gm12	8037157	8037201	Gmdrm	hypo	CHG	-0.568
Gm12	8037306	8037490	Gmdrm	hypo	CHG	-0.4807
Gm12	8037640	8037852	Gmdrm	hypo	CHG	-0.4954
Gm12	8038145	8038288	Gmdrm	hypo	CHG	-0.885
Gm12	8038412	8038663	Gmdrm	hypo	CHG	-0.3288
Gm12	8060751	8060968	Gmdrm	hypo	CHG	-0.4625
Gm12	8083977	8084108	Gmdrm	hypo	CHG	-0.7275
Gm12	8084285	8084367	Gmdrm	hypo	CHG	-0.405

Gm12	8088840	8089086	Gmdrm	hypo	CHG	-0.024
Gm12	8096847	8097151	Gmdrm	hypo	CHG	-0.8367
Gm12	8106459	8106857	Gmdrm	hypo	CHG	-0.3773
Gm12	8154445	8154549	Gmdrm	hypo	CHG	-0.08
Gm12	8163906	8164017	Gmdrm	hypo	CHG	-0.4571
Gm12	8177063	8177211	Gmdrm	hypo	CHG	-0.7071
Gm12	8223804	8224129	Gmdrm	hypo	CHG	-0.5569
Gm12	8224285	8224481	Gmdrm	hypo	CHG	-0.6893
Gm12	8230961	8231209	Gmdrm	hypo	CHG	-0.6608
Gm12	8233740	8233818	Gmdrm	hypo	CHG	-0.5211
Gm12	8258722	8258803	Gmdrm	hypo	CHG	-0.7275
Gm12	8263724	8264275	Gmdrm	hypo	CHG	-0.031
Gm12	8295945	8296049	Gmdrm	hypo	CHG	-0.198
Gm12	8307038	8307235	Gmdrm	hypo	CHG	-0.0399
Gm12	8316339	8316577	Gmdrm	hypo	CHG	-0.6419
Gm12	8316682	8316917	Gmdrm	hypo	CHG	-0.082
Gm12	8320441	8320583	Gmdrm	hypo	CHG	-0.465
Gm12	8364903	8364932	Gmdrm	hypo	CHG	-0.576
Gm12	8365042	8365159	Gmdrm	hypo	CHG	-0.2984
Gm12	8365278	8365752	Gmdrm	hypo	CHG	-0.2274
Gm12	8385500	8385661	Gmdrm	hypo	CHG	-0.5164
Gm12	8393696	8393853	Gmdrm	hypo	CHG	-0.1275
Gm12	8408457	8408532	Gmdrm	hypo	CHG	-0.04
Gm12	8416355	8416436	Gmdrm	hypo	CHG	-0.596
Gm12	8423889	8424021	Gmdrm	hypo	CHG	-0.076
Gm12	8434791	8434827	Gmdrm	hypo	CHG	-0.476
Gm12	8453212	8453689	Gmdrm	hypo	CHG	-0.4081
Gm12	8463192	8463216	Gmdrm	hypo	CHG	-0.04
Gm12	8477569	8477761	Gmdrm	hypo	CHG	-0.609
Gm12	8479970	8480072	Gmdrm	hypo	CHG	-0.5438
Gm12	8480695	8480864	Gmdrm	hypo	CHG	-0.086
Gm12	8489082	8489123	Gmdrm	hypo	CHG	-0.28
Gm12	8490258	8490407	Gmdrm	hypo	CHG	-0.704
Gm12	8498038	8498640	Gmdrm	hypo	CHG	-0.6857
Gm12	8498860	8498968	Gmdrm	hypo	CHG	-0.5038
Gm12	8522410	8522512	Gmdrm	hypo	CHG	-0.5816
Gm12	8522618	8522836	Gmdrm	hypo	CHG	-0.7983
Gm12	8522964	8523060	Gmdrm	hypo	CHG	-0.698
Gm12	8567637	8567722	Gmdrm	hypo	CHG	-0.6867
Gm12	8581738	8582009	Gmdrm	hypo	CHG	-0.0743
Gm12	8585706	8585875	Gmdrm	hypo	CHG	-0.4145
Gm12	8588663	8589098	Gmdrm	hypo	CHG	-0.436
Gm12	8593937	8594471	Gmdrm	hypo	CHG	-0.4204
Gm12	8629933	8630086	Gmdrm	hypo	CHG	-0.1711
Gm12	8639641	8639883	Gmdrm	hypo	CHG	-0.3522
Gm12	8647596	8647946	Gmdrm	hypo	CHG	-0.2746

Gm12	8650093	8650248	Gmdrm	hypo	CHG	-0.262
Gm12	8652105	8652555	Gmdrm	hypo	CHG	-0.0478
Gm12	8660195	8660321	Gmdrm	hypo	CHG	-0.6933
Gm12	8697997	8698137	Gmdrm	hypo	CHG	-0.4572
Gm12	8698241	8698375	Gmdrm	hypo	CHG	-0.4045
Gm12	8705293	8705621	Gmdrm	hypo	CHG	-0.2585
Gm12	8714136	8714325	Gmdrm	hypo	CHG	-0.303
Gm12	8714546	8714801	Gmdrm	hypo	CHG	-0.3367
Gm12	8715195	8715439	Gmdrm	hypo	CHG	-0.1818
Gm12	8716768	8716912	Gmdrm	hypo	CHG	-0.37
Gm12	8742204	8742434	Gmdrm	hypo	CHG	-0.055
Gm12	8744075	8744226	Gmdrm	hypo	CHG	-0.6166
Gm12	8744350	8744394	Gmdrm	hypo	CHG	-0.907
Gm12	8756864	8757035	Gmdrm	hypo	CHG	-0.4872
Gm12	8757215	8757373	Gmdrm	hypo	CHG	-0.7167
Gm12	8767514	8767792	Gmdrm	hypo	CHG	-0.847
Gm12	8767971	8768079	Gmdrm	hypo	CHG	-0.7846
Gm12	8784034	8784129	Gmdrm	hypo	CHG	-0.331
Gm12	8796976	8797129	Gmdrm	hypo	CHG	-0.861
Gm12	8797376	8797458	Gmdrm	hypo	CHG	-0.515
Gm12	8815104	8815274	Gmdrm	hypo	CHG	-0.54
Gm12	8816555	8816880	Gmdrm	hypo	CHG	-0.0409
Gm12	8829899	8830191	Gmdrm	hypo	CHG	-0.473
Gm12	8871439	8871529	Gmdrm	hypo	CHG	-0.5072
Gm12	8877239	8877758	Gmdrm	hypo	CHG	-0.1064
Gm12	8894637	8894679	Gmdrm	hypo	CHG	-0.686
Gm12	8900918	8901254	Gmdrm	hypo	CHG	-0.6425
Gm12	8901764	8901926	Gmdrm	hypo	CHG	-0.452
Gm12	8906356	8906515	Gmdrm	hypo	CHG	-0.0288
Gm12	8910388	8910451	Gmdrm	hypo	CHG	-0.896
Gm12	8949933	8950142	Gmdrm	hypo	CHG	-0.6007
Gm12	8962694	8962940	Gmdrm	hypo	CHG	-0.54
Gm12	8963092	8963139	Gmdrm	hypo	CHG	-0.7416
Gm12	8963266	8963475	Gmdrm	hypo	CHG	-0.59
Gm12	9021896	9022027	Gmdrm	hypo	CHG	-0.604
Gm12	9048843	9049277	Gmdrm	hypo	CHG	-0.431
Gm12	9071382	9071653	Gmdrm	hypo	CHG	-0.63
Gm12	9085859	9085981	Gmdrm	hypo	CHG	-0.7533
Gm12	9092866	9093020	Gmdrm	hypo	CHG	-0.5633
Gm12	9093159	9093251	Gmdrm	hypo	CHG	-0.83
Gm12	9094519	9095453	Gmdrm	hypo	CHG	-0.018
Gm12	9113145	9113327	Gmdrm	hypo	CHG	-0.89
Gm12	9116745	9116804	Gmdrm	hypo	CHG	-0.6138
Gm12	9119227	9119594	Gmdrm	hypo	CHG	-0.035
Gm12	9121107	9121289	Gmdrm	hypo	CHG	-0.5184
Gm12	9129181	9129279	Gmdrm	hypo	CHG	-0.4633

Gm12	9139582	9139922 Gmdrm	hypo	CHG	-0.6458
Gm12	9140601	9140757 Gmdrm	hypo	CHG	-0.8725
Gm12	9148279	9148353 Gmdrm	hypo	CHG	-0.5362
Gm12	9149250	9149468 Gmdrm	hypo	CHG	-0.3163
Gm12	9149764	9150052 Gmdrm	hypo	CHG	-0.2016
Gm12	9150481	9150520 Gmdrm	hypo	CHG	-0.1972
Gm12	9168168	9168256 Gmdrm	hypo	CHG	-0.7783
Gm12	9168516	9168658 Gmdrm	hypo	CHG	-0.8616
Gm12	9169264	9169584 Gmdrm	hypo	CHG	-0.5768
Gm12	9169860	9169981 Gmdrm	hypo	CHG	-0.82
Gm12	9180155	9180523 Gmdrm	hypo	CHG	-0.2454
Gm12	9196503	9197193 Gmdrm	hypo	CHG	-0.5392
Gm12	9202630	9203082 Gmdrm	hypo	CHG	-0.3065
Gm12	9206269	9206455 Gmdrm	hypo	CHG	-0.3542
Gm12	9206575	9206799 Gmdrm	hypo	CHG	-0.2675
Gm12	9215781	9215822 Gmdrm	hypo	CHG	-0.8925
Gm12	9216089	9216213 Gmdrm	hypo	CHG	-0.7033
Gm12	9216750	9216886 Gmdrm	hypo	CHG	-0.745
Gm12	9217551	9217581 Gmdrm	hypo	CHG	-0.752
Gm12	9228439	9228780 Gmdrm	hypo	CHG	-0.2187
Gm12	9231381	9231494 Gmdrm	hypo	CHG	-0.5133
Gm12	9231674	9231878 Gmdrm	hypo	CHG	-0.1525
Gm12	9233512	9233905 Gmdrm	hypo	CHG	-0.5179
Gm12	9234091	9234244 Gmdrm	hypo	CHG	-0.43
Gm12	9246764	9247145 Gmdrm	hypo	CHG	-0.2692
Gm12	9249567	9249985 Gmdrm	hypo	CHG	-0.0873
Gm12	9265067	9265538 Gmdrm	hypo	CHG	-0.0719
Gm12	9271286	9271575 Gmdrm	hypo	CHG	-0.46
Gm12	9272834	9272930 Gmdrm	hypo	CHG	-0.5267
Gm12	9277427	9277949 Gmdrm	hypo	CHG	-0.293
Gm12	9281096	9281123 Gmdrm	hypo	CHG	-0.365
Gm12	9281637	9282025 Gmdrm	hypo	CHG	-0.3017
Gm12	9282648	9282978 Gmdrm	hypo	CHG	-0.486
Gm12	9290036	9290209 Gmdrm	hypo	CHG	-0.29
Gm12	9305247	9305329 Gmdrm	hypo	CHG	-0.5333
Gm12	9305599	9305792 Gmdrm	hypo	CHG	-0.382
Gm12	9320221	9320434 Gmdrm	hypo	CHG	-0.525
Gm12	9332071	9332196 Gmdrm	hypo	CHG	-0.5763
Gm12	9332849	9333484 Gmdrm	hypo	CHG	-0.5289
Gm12	9347313	9347416 Gmdrm	hypo	CHG	-0.6889
Gm12	9352516	9352673 Gmdrm	hypo	CHG	-0.046
Gm12	9358909	9358923 Gmdrm	hypo	CHG	-0.0883
Gm12	9359428	9359553 Gmdrm	hypo	CHG	-0.8922
Gm12	9363474	9363641 Gmdrm	hypo	CHG	-0.0414
Gm12	9363832	9363898 Gmdrm	hypo	CHG	-0.8908
Gm12	9364262	9364571 Gmdrm	hypo	CHG	-0.4633

Gm12	9377968	9378583	Gmdrm	hypo	CHG	-0.1022
Gm12	9380788	9380909	Gmdrm	hypo	CHG	-0.2183
Gm12	9388328	9388387	Gmdrm	hypo	CHG	-0.1812
Gm12	9401522	9401889	Gmdrm	hypo	CHG	-0.8859
Gm12	9416309	9416458	Gmdrm	hypo	CHG	-0.046
Gm12	9421108	9421163	Gmdrm	hypo	CHG	-0.1083
Gm12	9449887	9450087	Gmdrm	hypo	CHG	-0.347
Gm12	9469297	9469489	Gmdrm	hypo	CHG	-0.0629
Gm12	9497760	9497876	Gmdrm	hypo	CHG	-0.042
Gm12	9516404	9516508	Gmdrm	hypo	CHG	-0.7271
Gm12	9529475	9529621	Gmdrm	hypo	CHG	-0.052
Gm12	9532272	9532381	Gmdrm	hypo	CHG	-0.3533
Gm12	9550154	9550222	Gmdrm	hypo	CHG	-0.44
Gm12	9569921	9570005	Gmdrm	hypo	CHG	-0.255
Gm12	9573528	9573572	Gmdrm	hypo	CHG	-0.894
Gm12	9604121	9604337	Gmdrm	hypo	CHG	-0.6788
Gm12	9604489	9604913	Gmdrm	hypo	CHG	-0.6033
Gm12	9612175	9612317	Gmdrm	hypo	CHG	-0.2485
Gm12	9612419	9612482	Gmdrm	hypo	CHG	-0.482
Gm12	9616621	9616773	Gmdrm	hypo	CHG	-0.277
Gm12	9627785	9628024	Gmdrm	hypo	CHG	-0.4563
Gm12	9632249	9633014	Gmdrm	hypo	CHG	-0.1538
Gm12	9644615	9644763	Gmdrm	hypo	CHG	-0.8562
Gm12	9653775	9654520	Gmdrm	hypo	CHG	-0.1873
Gm12	9678824	9679499	Gmdrm	hypo	CHG	-0.3476
Gm12	9719359	9719595	Gmdrm	hypo	CHG	-0.17
Gm12	9719961	9720961	Gmdrm	hypo	CHG	-0.2918
Gm12	9733879	9734705	Gmdrm	hypo	CHG	-0.2857
Gm12	9747032	9747430	Gmdrm	hypo	CHG	-0.2308
Gm12	9747573	9748084	Gmdrm	hypo	CHG	-0.525
Gm12	9749370	9749513	Gmdrm	hypo	CHG	-0.4688
Gm12	9754931	9755535	Gmdrm	hypo	CHG	-0.5868
Gm12	9763238	9763472	Gmdrm	hypo	CHG	-0.2078
Gm12	9763623	9763778	Gmdrm	hypo	CHG	-0.5745
Gm12	9780757	9780881	Gmdrm	hypo	CHG	-0.036
Gm12	9791713	9791849	Gmdrm	hypo	CHG	-0.06
Gm12	9850643	9851058	Gmdrm	hypo	CHG	-0.5477
Gm12	9854686	9854818	Gmdrm	hypo	CHG	-0.831
Gm12	9858428	9858829	Gmdrm	hypo	CHG	-0.2024
Gm12	9859154	9859301	Gmdrm	hypo	CHG	-0.3474
Gm12	9869579	9869913	Gmdrm	hypo	CHG	-0.213
Gm12	9870027	9870492	Gmdrm	hypo	CHG	-0.0433
Gm12	9905988	9906071	Gmdrm	hypo	CHG	-0.3767
Gm12	9915550	9915707	Gmdrm	hypo	CHG	-0.609
Gm12	9967146	9967288	Gmdrm	hypo	CHG	-0.5383
Gm12	9972587	9972765	Gmdrm	hypo	CHG	-0.0633

Gm12	9998094	9998530	Gmdrm	hypo	CHG	-0.3193
Gm12	10044689	10045252	Gmdrm	hypo	CHG	-0.4651
Gm12	10045633	10045814	Gmdrm	hypo	CHG	-0.1187
Gm12	10046919	10047309	Gmdrm	hypo	CHG	-0.2746
Gm12	10049417	10049592	Gmdrm	hypo	CHG	-0.5833
Gm12	10054002	10054078	Gmdrm	hypo	CHG	-0.275
Gm12	10055909	10055941	Gmdrm	hypo	CHG	-0.194
Gm12	10057560	10058061	Gmdrm	hypo	CHG	-0.2528
Gm12	10066774	10066892	Gmdrm	hypo	CHG	-0.415
Gm12	10080378	10080482	Gmdrm	hypo	CHG	-0.75
Gm12	10081995	10082405	Gmdrm	hypo	CHG	-0.6671
Gm12	10178922	10179000	Gmdrm	hypo	CHG	-0.165
Gm12	10180763	10180806	Gmdrm	hypo	CHG	-0.194
Gm12	10184386	10184525	Gmdrm	hypo	CHG	-0.3656
Gm12	10188782	10189008	Gmdrm	hypo	CHG	-0.4889
Gm12	10261423	10261522	Gmdrm	hypo	CHG	-0.1083
Gm12	10261769	10261853	Gmdrm	hypo	CHG	-0.5666
Gm12	10262225	10262397	Gmdrm	hypo	CHG	-0.4929
Gm12	10262783	10262873	Gmdrm	hypo	CHG	-0.4583
Gm12	10289371	10289653	Gmdrm	hypo	CHG	-0.3568
Gm12	10294947	10295059	Gmdrm	hypo	CHG	-0.0367
Gm12	10300862	10300999	Gmdrm	hypo	CHG	-0.57
Gm12	10301154	10301253	Gmdrm	hypo	CHG	-0.1229
Gm12	10301677	10301931	Gmdrm	hypo	CHG	-0.245
Gm12	10309532	10309789	Gmdrm	hypo	CHG	-0.1525
Gm12	10314052	10314325	Gmdrm	hypo	CHG	-0.2647
Gm12	10317701	10318087	Gmdrm	hypo	CHG	-0.3334
Gm12	10318201	10318452	Gmdrm	hypo	CHG	-0.305
Gm12	10344715	10345020	Gmdrm	hypo	CHG	-0.2086
Gm12	10345597	10346013	Gmdrm	hypo	CHG	-0.195
Gm12	10347165	10347189	Gmdrm	hypo	CHG	-0.488
Gm12	10375424	10375570	Gmdrm	hypo	CHG	-0.4582
Gm12	10384448	10384517	Gmdrm	hypo	CHG	-0.29
Gm12	10398805	10398961	Gmdrm	hypo	CHG	-0.1256
Gm12	10399103	10399200	Gmdrm	hypo	CHG	-0.355
Gm12	10400647	10400952	Gmdrm	hypo	CHG	-0.0333
Gm12	10401341	10401479	Gmdrm	hypo	CHG	-0.2957
Gm12	10411497	10411591	Gmdrm	hypo	CHG	-0.602
Gm12	10439209	10439242	Gmdrm	hypo	CHG	-0.5717
Gm12	10439401	10439591	Gmdrm	hypo	CHG	-0.22
Gm12	10458655	10458860	Gmdrm	hypo	CHG	-0.4
Gm12	10468929	10468985	Gmdrm	hypo	CHG	-0.1683
Gm12	10502444	10502538	Gmdrm	hypo	CHG	-0.225
Gm12	10513960	10514100	Gmdrm	hypo	CHG	-0.63
Gm12	10520974	10521276	Gmdrm	hypo	CHG	-0.44
Gm12	10539143	10539667	Gmdrm	hypo	CHG	-0.712

Gm12	10556703	10556900	Gmdrm	hypo	CHG	-0.7059
Gm12	10580517	10580578	Gmdrm	hypo	CHG	-0.258
Gm12	10582361	10582537	Gmdrm	hypo	CHG	-0.198
Gm12	10621595	10621733	Gmdrm	hypo	CHG	-0.0312
Gm12	10634525	10634778	Gmdrm	hypo	CHG	-0.8004
Gm12	10714133	10714612	Gmdrm	hypo	CHG	-0.394
Gm12	10751870	10752048	Gmdrm	hypo	CHG	-0.068
Gm12	10755046	10755239	Gmdrm	hypo	CHG	-0.14
Gm12	10759603	10759813	Gmdrm	hypo	CHG	-0.2978
Gm12	10777091	10777621	Gmdrm	hypo	CHG	-0.2765
Gm12	10815914	10816080	Gmdrm	hypo	CHG	-0.5575
Gm12	10829003	10829454	Gmdrm	hypo	CHG	-0.4015
Gm12	10829583	10829690	Gmdrm	hypo	CHG	-0.7442
Gm12	10854764	10854893	Gmdrm	hypo	CHG	-0.4112
Gm12	10897589	10897683	Gmdrm	hypo	CHG	-0.3133
Gm12	10897860	10897966	Gmdrm	hypo	CHG	-0.7928
Gm12	10924359	10924583	Gmdrm	hypo	CHG	-0.378
Gm12	10925291	10925358	Gmdrm	hypo	CHG	-0.8625
Gm12	10971142	10971325	Gmdrm	hypo	CHG	-0.7
Gm12	10971431	10971783	Gmdrm	hypo	CHG	-0.4543
Gm12	10974455	10974760	Gmdrm	hypo	CHG	-0.3243
Gm12	10977059	10977422	Gmdrm	hypo	CHG	-0.4334
Gm12	11036301	11036440	Gmdrm	hypo	CHG	-0.036
Gm12	11040941	11041039	Gmdrm	hypo	CHG	-0.9233
Gm12	11041152	11041432	Gmdrm	hypo	CHG	-0.6231
Gm12	11052528	11052787	Gmdrm	hypo	CHG	-0.3661
Gm12	11062026	11062431	Gmdrm	hypo	CHG	-0.2891
Gm12	11069458	11069637	Gmdrm	hypo	CHG	-0.0383
Gm12	11110244	11110677	Gmdrm	hypo	CHG	-0.4459
Gm12	11112592	11112772	Gmdrm	hypo	CHG	-0.4373
Gm12	11119552	11119678	Gmdrm	hypo	CHG	-0.62
Gm12	11119780	11120759	Gmdrm	hypo	CHG	-0.5512
Gm12	11121970	11122184	Gmdrm	hypo	CHG	-0.3208
Gm12	11123386	11123439	Gmdrm	hypo	CHG	-0.032
Gm12	11123598	11123760	Gmdrm	hypo	CHG	-0.9192
Gm12	11136595	11136783	Gmdrm	hypo	CHG	-0.4115
Gm12	11149117	11149302	Gmdrm	hypo	CHG	-0.5136
Gm12	11194743	11194935	Gmdrm	hypo	CHG	-0.3184
Gm12	11210767	11210860	Gmdrm	hypo	CHG	-0.55
Gm12	11245822	11246045	Gmdrm	hypo	CHG	-0.6355
Gm12	11247187	11247795	Gmdrm	hypo	CHG	-0.788
Gm12	11251816	11251938	Gmdrm	hypo	CHG	-0.04
Gm12	11259883	11260041	Gmdrm	hypo	CHG	-0.3833
Gm12	11260461	11261058	Gmdrm	hypo	CHG	-0.2541
Gm12	11263095	11263216	Gmdrm	hypo	CHG	-0.5283
Gm12	11286092	11286179	Gmdrm	hypo	CHG	-0.274

Gm12	11320946	11321112	Gmdrm	hypo	CHG	-0.0343
Gm12	11321242	11321498	Gmdrm	hypo	CHG	-0.6522
Gm12	11321934	11322235	Gmdrm	hypo	CHG	-0.7929
Gm12	11370561	11370699	Gmdrm	hypo	CHG	-0.044
Gm12	11381768	11382128	Gmdrm	hypo	CHG	-0.5223
Gm12	11439244	11439602	Gmdrm	hypo	CHG	-0.5395
Gm12	11508366	11508488	Gmdrm	hypo	CHG	-0.2667
Gm12	11513766	11513955	Gmdrm	hypo	CHG	-0.3483
Gm12	11525996	11526250	Gmdrm	hypo	CHG	-0.4391
Gm12	11539823	11539931	Gmdrm	hypo	CHG	-0.212
Gm12	11544266	11544380	Gmdrm	hypo	CHG	-0.0616
Gm12	11544513	11544840	Gmdrm	hypo	CHG	-0.0653
Gm12	11545003	11545437	Gmdrm	hypo	CHG	-0.2023
Gm12	11547173	11547387	Gmdrm	hypo	CHG	-0.2593
Gm12	11548829	11549041	Gmdrm	hypo	CHG	-0.1715
Gm12	11565702	11566104	Gmdrm	hypo	CHG	-0.5171
Gm12	11568366	11568490	Gmdrm	hypo	CHG	-0.4643
Gm12	11568669	11568973	Gmdrm	hypo	CHG	-0.2433
Gm12	11570891	11571386	Gmdrm	hypo	CHG	-0.4127
Gm12	11572055	11572489	Gmdrm	hypo	CHG	-0.5059
Gm12	11600644	11601473	Gmdrm	hypo	CHG	-0.4107
Gm12	11609832	11609887	Gmdrm	hypo	CHG	-0.054
Gm12	11613527	11613566	Gmdrm	hypo	CHG	-0.0814
Gm12	11617642	11618069	Gmdrm	hypo	CHG	-0.5447
Gm12	11622627	11622675	Gmdrm	hypo	CHG	-0.606
Gm12	11623240	11623352	Gmdrm	hypo	CHG	-0.7312
Gm12	11626584	11626850	Gmdrm	hypo	CHG	-0.0457
Gm12	11631973	11632043	Gmdrm	hypo	CHG	-0.46
Gm12	11632877	11632922	Gmdrm	hypo	CHG	-0.6167
Gm12	11650565	11650771	Gmdrm	hypo	CHG	-0.0366
Gm12	11673129	11673544	Gmdrm	hypo	CHG	-0.308
Gm12	11674392	11674597	Gmdrm	hypo	CHG	-0.5329
Gm12	11674698	11674843	Gmdrm	hypo	CHG	-0.035
Gm12	11720941	11721009	Gmdrm	hypo	CHG	-0.798
Gm12	11760145	11760279	Gmdrm	hypo	CHG	-0.6199
Gm12	11873074	11873220	Gmdrm	hypo	CHG	-0.042
Gm12	11948523	11949058	Gmdrm	hypo	CHG	-0.5267
Gm12	11952581	11952746	Gmdrm	hypo	CHG	-0.106
Gm12	11952986	11953160	Gmdrm	hypo	CHG	-0.7863
Gm12	12005999	12006090	Gmdrm	hypo	CHG	-0.2472
Gm12	12011090	12011181	Gmdrm	hypo	CHG	-0.3328
Gm12	12012174	12012250	Gmdrm	hypo	CHG	-0.2472
Gm12	12025487	12025733	Gmdrm	hypo	CHG	-0.3138
Gm12	12033899	12034041	Gmdrm	hypo	CHG	-0.3063
Gm12	12061219	12061697	Gmdrm	hypo	CHG	-0.1674
Gm12	12069762	12069981	Gmdrm	hypo	CHG	-0.7233

Gm12	12178667	12179164	Gmdrm	hypo	CHG	-0.3461
Gm12	12183801	12183850	Gmdrm	hypo	CHG	-0.205
Gm12	12187035	12187125	Gmdrm	hypo	CHG	-0.828
Gm12	12299706	12299739	Gmdrm	hypo	CHG	-0.13
Gm12	12311888	12312030	Gmdrm	hypo	CHG	-0.3674
Gm12	12312379	12312443	Gmdrm	hypo	CHG	-0.566
Gm12	12312580	12312642	Gmdrm	hypo	CHG	-0.7133
Gm12	12323780	12324290	Gmdrm	hypo	CHG	-0.1589
Gm12	12340014	12340204	Gmdrm	hypo	CHG	-0.5346
Gm12	12427364	12427534	Gmdrm	hypo	CHG	-0.143
Gm12	12427652	12427714	Gmdrm	hypo	CHG	-0.3357
Gm12	12452065	12453040	Gmdrm	hypo	CHG	-0.336
Gm12	12462044	12462112	Gmdrm	hypo	CHG	-0.226
Gm12	12498935	12499166	Gmdrm	hypo	CHG	-0.41
Gm12	12512823	12513108	Gmdrm	hypo	CHG	-0.5585
Gm12	12630857	12630909	Gmdrm	hypo	CHG	-0.1216
Gm12	12631039	12631135	Gmdrm	hypo	CHG	-0.5871
Gm12	12631386	12631594	Gmdrm	hypo	CHG	-0.2736
Gm12	12638900	12639002	Gmdrm	hypo	CHG	-0.2525
Gm12	12640833	12641222	Gmdrm	hypo	CHG	-0.0462
Gm12	12670560	12670834	Gmdrm	hypo	CHG	-0.3687
Gm12	12692945	12693017	Gmdrm	hypo	CHG	-0.4084
Gm12	12694962	12695066	Gmdrm	hypo	CHG	-0.3314
Gm12	12696965	12697357	Gmdrm	hypo	CHG	-0.3448
Gm12	12697485	12697584	Gmdrm	hypo	CHG	-0.57
Gm12	12733122	12733170	Gmdrm	hypo	CHG	-0.4683
Gm12	12749608	12750058	Gmdrm	hypo	CHG	-0.2582
Gm12	12773426	12773856	Gmdrm	hypo	CHG	-0.4561
Gm12	12774100	12774285	Gmdrm	hypo	CHG	-0.6236
Gm12	12779991	12780185	Gmdrm	hypo	CHG	-0.3549
Gm12	12782923	12783126	Gmdrm	hypo	CHG	-0.1192
Gm12	12805222	12805324	Gmdrm	hypo	CHG	-0.7033
Gm12	12857363	12857592	Gmdrm	hypo	CHG	-0.044
Gm12	12858110	12858257	Gmdrm	hypo	CHG	-0.2982
Gm12	12858437	12858636	Gmdrm	hypo	CHG	-0.5907
Gm12	12881882	12882387	Gmdrm	hypo	CHG	-0.0486
Gm12	12980035	12980230	Gmdrm	hypo	CHG	-0.1529
Gm12	13028070	13028236	Gmdrm	hypo	CHG	-0.3791
Gm12	13043780	13043952	Gmdrm	hypo	CHG	-0.4871
Gm12	13054599	13054736	Gmdrm	hypo	CHG	-0.289
Gm12	13054861	13055158	Gmdrm	hypo	CHG	-0.3818
Gm12	13206301	13206737	Gmdrm	hypo	CHG	-0.2973
Gm12	13255737	13256085	Gmdrm	hypo	CHG	-0.4666
Gm12	13256632	13256863	Gmdrm	hypo	CHG	-0.5074
Gm12	13285197	13286096	Gmdrm	hypo	CHG	-0.1487
Gm12	13289047	13289151	Gmdrm	hypo	CHG	-0.344

Gm12	13292454	13292668	Gmdrm	hypo	CHG	-0.5837
Gm12	13292813	13292905	Gmdrm	hypo	CHG	-0.9066
Gm12	13293229	13293577	Gmdrm	hypo	CHG	-0.8167
Gm12	13297929	13298086	Gmdrm	hypo	CHG	-0.038
Gm12	13300550	13300769	Gmdrm	hypo	CHG	-0.5925
Gm12	13306040	13306090	Gmdrm	hypo	CHG	-0.8384
Gm12	13306328	13306806	Gmdrm	hypo	CHG	-0.6319
Gm12	13318045	13318074	Gmdrm	hypo	CHG	-0.5617
Gm12	13347432	13347724	Gmdrm	hypo	CHG	-0.365
Gm12	13360413	13360641	Gmdrm	hypo	CHG	-0.6139
Gm12	13368840	13369165	Gmdrm	hypo	CHG	-0.6742
Gm12	13370467	13370593	Gmdrm	hypo	CHG	-0.2116
Gm12	13371416	13371542	Gmdrm	hypo	CHG	-0.6
Gm12	13374000	13374044	Gmdrm	hypo	CHG	-0.3175
Gm12	13410093	13410309	Gmdrm	hypo	CHG	-0.7984
Gm12	13446282	13446660	Gmdrm	hypo	CHG	-0.4485
Gm12	13451430	13451602	Gmdrm	hypo	CHG	-0.4488
Gm12	13512894	13513192	Gmdrm	hypo	CHG	-0.215
Gm12	13564731	13564784	Gmdrm	hypo	CHG	-0.1076
Gm12	13637541	13637766	Gmdrm	hypo	CHG	-0.2075
Gm12	13641118	13641345	Gmdrm	hypo	CHG	-0.107
Gm12	13650898	13651149	Gmdrm	hypo	CHG	-0.0894
Gm12	13666577	13666603	Gmdrm	hypo	CHG	-0.6137
Gm12	13680244	13680376	Gmdrm	hypo	CHG	-0.239
Gm12	13680484	13680768	Gmdrm	hypo	CHG	-0.1953
Gm12	13710094	13710245	Gmdrm	hypo	CHG	-0.33
Gm12	13717050	13717761	Gmdrm	hypo	CHG	-0.2257
Gm12	13721224	13721398	Gmdrm	hypo	CHG	-0.2667
Gm12	13735379	13735505	Gmdrm	hypo	CHG	-0.2536
Gm12	13738855	13739441	Gmdrm	hypo	CHG	-0.2234
Gm12	13742564	13742662	Gmdrm	hypo	CHG	-0.1983
Gm12	13742873	13742967	Gmdrm	hypo	CHG	-0.0825
Gm12	13743341	13743672	Gmdrm	hypo	CHG	-0.2492
Gm12	13752002	13752122	Gmdrm	hypo	CHG	-0.1266
Gm12	13761509	13761620	Gmdrm	hypo	CHG	-0.2487
Gm12	13770899	13771037	Gmdrm	hypo	CHG	-0.065
Gm12	13807581	13807743	Gmdrm	hypo	CHG	-0.0362
Gm12	13857366	13857508	Gmdrm	hypo	CHG	-0.336
Gm12	13858032	13858229	Gmdrm	hypo	CHG	-0.276
Gm12	13866299	13866795	Gmdrm	hypo	CHG	-0.2634
Gm12	13944940	13945219	Gmdrm	hypo	CHG	-0.439
Gm12	13968366	13968465	Gmdrm	hypo	CHG	-0.0638
Gm12	13968880	13969602	Gmdrm	hypo	CHG	-0.2197
Gm12	13970829	13970940	Gmdrm	hypo	CHG	-0.4338
Gm12	13971355	13972115	Gmdrm	hypo	CHG	-0.175
Gm12	13988433	13988570	Gmdrm	hypo	CHG	-0.3709

Gm12	13992535	13992582	Gmdrm	hypo	CHG	-0.424
Gm12	14052238	14052364	Gmdrm	hypo	CHG	-0.104
Gm12	14063207	14063456	Gmdrm	hypo	CHG	-0.3007
Gm12	14182015	14182348	Gmdrm	hypo	CHG	-0.4131
Gm12	14183626	14183653	Gmdrm	hypo	CHG	-0.328
Gm12	14189874	14190208	Gmdrm	hypo	CHG	-0.212
Gm12	14197967	14198072	Gmdrm	hypo	CHG	-0.1534
Gm12	14215302	14215426	Gmdrm	hypo	CHG	-0.47
Gm12	14242172	14242355	Gmdrm	hypo	CHG	-0.4187
Gm12	14249509	14249584	Gmdrm	hypo	CHG	-0.046
Gm12	14257237	14257384	Gmdrm	hypo	CHG	-0.04
Gm12	14266965	14267054	Gmdrm	hypo	CHG	-0.1463
Gm12	14284704	14284737	Gmdrm	hypo	CHG	-0.8666
Gm12	14344434	14344879	Gmdrm	hypo	CHG	-0.0429
Gm12	14353767	14353972	Gmdrm	hypo	CHG	-0.3386
Gm12	14354697	14354882	Gmdrm	hypo	CHG	-0.3577
Gm12	14355014	14355171	Gmdrm	hypo	CHG	-0.1275
Gm12	14361066	14361670	Gmdrm	hypo	CHG	-0.3153
Gm12	14362762	14362835	Gmdrm	hypo	CHG	-0.504
Gm12	14381600	14381781	Gmdrm	hypo	CHG	-0.5317
Gm12	14383664	14384010	Gmdrm	hypo	CHG	-0.3943
Gm12	14394588	14394777	Gmdrm	hypo	CHG	-0.47
Gm12	14410122	14410741	Gmdrm	hypo	CHG	-0.4378
Gm12	14437185	14437272	Gmdrm	hypo	CHG	-0.5775
Gm12	14454163	14454492	Gmdrm	hypo	CHG	-0.8473
Gm12	14455070	14455348	Gmdrm	hypo	CHG	-0.7509
Gm12	14497469	14497577	Gmdrm	hypo	CHG	-0.8225
Gm12	14516123	14516251	Gmdrm	hypo	CHG	-0.311
Gm12	14522905	14523128	Gmdrm	hypo	CHG	-0.2072
Gm12	14579497	14579606	Gmdrm	hypo	CHG	-0.681
Gm12	14603416	14604097	Gmdrm	hypo	CHG	-0.2623
Gm12	14614382	14614637	Gmdrm	hypo	CHG	-0.5831
Gm12	14615036	14615087	Gmdrm	hypo	CHG	-0.8087
Gm12	14650595	14650632	Gmdrm	hypo	CHG	-0.312
Gm12	14654586	14654840	Gmdrm	hypo	CHG	-0.4972
Gm12	14655247	14655492	Gmdrm	hypo	CHG	-0.2855
Gm12	14658374	14658637	Gmdrm	hypo	CHG	-0.5028
Gm12	14659976	14660193	Gmdrm	hypo	CHG	-0.2656
Gm12	14664541	14664636	Gmdrm	hypo	CHG	-0.1601
Gm12	14714661	14714768	Gmdrm	hypo	CHG	-0.1263
Gm12	14714883	14715060	Gmdrm	hypo	CHG	-0.08
Gm12	14715167	14715267	Gmdrm	hypo	CHG	-0.2987
Gm12	14715589	14715615	Gmdrm	hypo	CHG	-0.355
Gm12	14729311	14730176	Gmdrm	hypo	CHG	-0.0811
Gm12	14736804	14736985	Gmdrm	hypo	CHG	-0.2484
Gm12	14755265	14755828	Gmdrm	hypo	CHG	-0.2246

Gm12	14756318	14757006	Gmdrm	hypo	CHG	-0.1118
Gm12	14758952	14759287	Gmdrm	hypo	CHG	-0.2083
Gm12	14784867	14785000	Gmdrm	hypo	CHG	-0.2569
Gm12	14796264	14796293	Gmdrm	hypo	CHG	-0.224
Gm12	14804810	14804863	Gmdrm	hypo	CHG	-0.195
Gm12	14808109	14808219	Gmdrm	hypo	CHG	-0.0913
Gm12	14829110	14829241	Gmdrm	hypo	CHG	-0.171
Gm12	14834033	14834169	Gmdrm	hypo	CHG	-0.22
Gm12	14862587	14862717	Gmdrm	hypo	CHG	-0.4817
Gm12	14864348	14864485	Gmdrm	hypo	CHG	-0.55
Gm12	14864619	14864650	Gmdrm	hypo	CHG	-0.0866
Gm12	14872645	14872743	Gmdrm	hypo	CHG	-0.7112
Gm12	14872850	14873283	Gmdrm	hypo	CHG	-0.6045
Gm12	14881403	14881784	Gmdrm	hypo	CHG	-0.4591
Gm12	14900792	14900963	Gmdrm	hypo	CHG	-0.4236
Gm12	14901114	14901197	Gmdrm	hypo	CHG	-0.714
Gm12	14902394	14902532	Gmdrm	hypo	CHG	-0.522
Gm12	14915216	14915752	Gmdrm	hypo	CHG	-0.2979
Gm12	14923746	14923845	Gmdrm	hypo	CHG	-0.044
Gm12	14942157	14942866	Gmdrm	hypo	CHG	-0.1603
Gm12	14944620	14945040	Gmdrm	hypo	CHG	-0.3617
Gm12	14961951	14962123	Gmdrm	hypo	CHG	-0.285
Gm12	14962265	14962406	Gmdrm	hypo	CHG	-0.3317
Gm12	14965314	14966280	Gmdrm	hypo	CHG	-0.1667
Gm12	14966454	14966771	Gmdrm	hypo	CHG	-0.072
Gm12	14967546	14967581	Gmdrm	hypo	CHG	-0.4783
Gm12	14967708	14967819	Gmdrm	hypo	CHG	-0.2233
Gm12	14968174	14968312	Gmdrm	hypo	CHG	-0.4617
Gm12	14995443	14995509	Gmdrm	hypo	CHG	-0.504
Gm12	15010164	15010195	Gmdrm	hypo	CHG	-0.6357
Gm12	15010749	15010952	Gmdrm	hypo	CHG	-0.5756
Gm12	15021747	15021951	Gmdrm	hypo	CHG	-0.355
Gm12	15035107	15035481	Gmdrm	hypo	CHG	-0.4937
Gm12	15036112	15036261	Gmdrm	hypo	CHG	-0.04
Gm12	15115071	15115177	Gmdrm	hypo	CHG	-0.724
Gm12	15152266	15152305	Gmdrm	hypo	CHG	-0.1267
Gm12	15166231	15166379	Gmdrm	hypo	CHG	-0.2694
Gm12	15168021	15168211	Gmdrm	hypo	CHG	-0.0386
Gm12	15219597	15219729	Gmdrm	hypo	CHG	-0.0567
Gm12	15256105	15256129	Gmdrm	hypo	CHG	-0.3383
Gm12	15258895	15259148	Gmdrm	hypo	CHG	-0.3205
Gm12	15259542	15259708	Gmdrm	hypo	CHG	-0.3109
Gm12	15290864	15291255	Gmdrm	hypo	CHG	-0.3207
Gm12	15303404	15303542	Gmdrm	hypo	CHG	-0.1706
Gm12	15343731	15343784	Gmdrm	hypo	CHG	-0.036
Gm12	15357878	15358461	Gmdrm	hypo	CHG	-0.0666

Gm12	15358602	15358757	Gmdrm	hypo	CHG	-0.7517
Gm12	15409397	15409691	Gmdrm	hypo	CHG	-0.4074
Gm12	15428913	15429438	Gmdrm	hypo	CHG	-0.2225
Gm12	15433807	15434067	Gmdrm	hypo	CHG	-0.2867
Gm12	15435333	15435535	Gmdrm	hypo	CHG	-0.4723
Gm12	15468779	15468827	Gmdrm	hypo	CHG	-0.674
Gm12	15469199	15469232	Gmdrm	hypo	CHG	-0.662
Gm12	15469512	15469921	Gmdrm	hypo	CHG	-0.5982
Gm12	15470222	15470335	Gmdrm	hypo	CHG	-0.63
Gm12	15472053	15472245	Gmdrm	hypo	CHG	-0.6217
Gm12	15477775	15477916	Gmdrm	hypo	CHG	-0.7642
Gm12	15478069	15478189	Gmdrm	hypo	CHG	-0.6909
Gm12	15483037	15483194	Gmdrm	hypo	CHG	-0.7858
Gm12	15536751	15536835	Gmdrm	hypo	CHG	-0.6
Gm12	15568473	15568715	Gmdrm	hypo	CHG	-0.3892
Gm12	15574835	15575116	Gmdrm	hypo	CHG	-0.9359
Gm12	15575217	15575273	Gmdrm	hypo	CHG	-0.5683
Gm12	15610285	15610400	Gmdrm	hypo	CHG	-0.0333
Gm12	15612686	15612799	Gmdrm	hypo	CHG	-0.2363
Gm12	15634192	15634315	Gmdrm	hypo	CHG	-0.182
Gm12	15635069	15635298	Gmdrm	hypo	CHG	-0.42
Gm12	15635624	15635933	Gmdrm	hypo	CHG	-0.2863
Gm12	15649422	15649656	Gmdrm	hypo	CHG	-0.9054
Gm12	15651482	15651878	Gmdrm	hypo	CHG	-0.3723
Gm12	15656544	15656624	Gmdrm	hypo	CHG	-0.302
Gm12	15656883	15657154	Gmdrm	hypo	CHG	-0.628
Gm12	15675590	15676068	Gmdrm	hypo	CHG	-0.265
Gm12	15803194	15803603	Gmdrm	hypo	CHG	-0.0362
Gm12	15809938	15810013	Gmdrm	hypo	CHG	-0.3314
Gm12	15810293	15810363	Gmdrm	hypo	CHG	-0.3083
Gm12	15842994	15843279	Gmdrm	hypo	CHG	-0.2207
Gm12	15848303	15848555	Gmdrm	hypo	CHG	-0.4577
Gm12	15848675	15848885	Gmdrm	hypo	CHG	-0.5184
Gm12	15900844	15900925	Gmdrm	hypo	CHG	-0.5433
Gm12	15917917	15918037	Gmdrm	hypo	CHG	-0.98
Gm12	15921957	15922056	Gmdrm	hypo	CHG	-0.05
Gm12	15925372	15925512	Gmdrm	hypo	CHG	-0.054
Gm12	15929286	15929367	Gmdrm	hypo	CHG	-0.655
Gm12	15971611	15971716	Gmdrm	hypo	CHG	-0.4663
Gm12	15998477	15998815	Gmdrm	hypo	CHG	-0.2325
Gm12	16006555	16006681	Gmdrm	hypo	CHG	-0.912
Gm12	16028380	16028406	Gmdrm	hypo	CHG	-0.3117
Gm12	16031415	16031584	Gmdrm	hypo	CHG	-0.0763
Gm12	16110717	16110944	Gmdrm	hypo	CHG	-0.56
Gm12	16175173	16175344	Gmdrm	hypo	CHG	-0.0329
Gm12	16229221	16229346	Gmdrm	hypo	CHG	-0.725

Gm12	16233097	16233672	Gmdrm	hypo	CHG	-0.3264
Gm12	16243875	16243947	Gmdrm	hypo	CHG	-0.7683
Gm12	16244606	16244995	Gmdrm	hypo	CHG	-0.1408
Gm12	16252412	16252545	Gmdrm	hypo	CHG	-0.704
Gm12	16265834	16265892	Gmdrm	hypo	CHG	-0.428
Gm12	16276264	16276474	Gmdrm	hypo	CHG	-0.2141
Gm12	16276590	16276773	Gmdrm	hypo	CHG	-0.4433
Gm12	16284243	16284401	Gmdrm	hypo	CHG	-0.168
Gm12	16285688	16285801	Gmdrm	hypo	CHG	-0.63
Gm12	16285924	16286056	Gmdrm	hypo	CHG	-0.43
Gm12	16319036	16319157	Gmdrm	hypo	CHG	-0.1738
Gm12	16330669	16331086	Gmdrm	hypo	CHG	-0.4582
Gm12	16332890	16332962	Gmdrm	hypo	CHG	-0.1133
Gm12	16343910	16344744	Gmdrm	hypo	CHG	-0.2352
Gm12	16355470	16355891	Gmdrm	hypo	CHG	-0.263
Gm12	16379447	16379623	Gmdrm	hypo	CHG	-0.81
Gm12	16380008	16380088	Gmdrm	hypo	CHG	-0.108
Gm12	16382213	16382378	Gmdrm	hypo	CHG	-0.3186
Gm12	16383593	16383682	Gmdrm	hypo	CHG	-0.3734
Gm12	16386160	16386252	Gmdrm	hypo	CHG	-0.8999
Gm12	16386396	16386930	Gmdrm	hypo	CHG	-0.5132
Gm12	16469267	16469718	Gmdrm	hypo	CHG	-0.2406
Gm12	16471851	16472246	Gmdrm	hypo	CHG	-0.1421
Gm12	16473292	16473379	Gmdrm	hypo	CHG	-0.6614
Gm12	16479174	16479349	Gmdrm	hypo	CHG	-0.7416
Gm12	16634811	16635033	Gmdrm	hypo	CHG	-0.3445
Gm12	16648223	16648512	Gmdrm	hypo	CHG	-0.3187
Gm12	16675197	16675855	Gmdrm	hypo	CHG	-0.3792
Gm12	16676202	16676395	Gmdrm	hypo	CHG	-0.055
Gm12	16679060	16679104	Gmdrm	hypo	CHG	-0.1244
Gm12	16703348	16703476	Gmdrm	hypo	CHG	-0.2284
Gm12	16765634	16766110	Gmdrm	hypo	CHG	-0.2485
Gm12	16766737	16767072	Gmdrm	hypo	CHG	-0.5827
Gm12	16767699	16767809	Gmdrm	hypo	CHG	-0.3812
Gm12	16767916	16768327	Gmdrm	hypo	CHG	-0.6148
Gm12	16768882	16768965	Gmdrm	hypo	CHG	-0.6677
Gm12	16769192	16770166	Gmdrm	hypo	CHG	-0.2881
Gm12	16771695	16771758	Gmdrm	hypo	CHG	-0.4016
Gm12	16927743	16927907	Gmdrm	hypo	CHG	-0.223
Gm12	16928369	16928458	Gmdrm	hypo	CHG	-0.2786
Gm12	17033256	17033486	Gmdrm	hypo	CHG	-0.058
Gm12	17033890	17033959	Gmdrm	hypo	CHG	-0.9728
Gm12	17082862	17082880	Gmdrm	hypo	CHG	-0.21
Gm12	17148327	17148701	Gmdrm	hypo	CHG	-0.3191
Gm12	17163093	17163527	Gmdrm	hypo	CHG	-0.1835
Gm12	17163891	17164511	Gmdrm	hypo	CHG	-0.3968

Gm12	17164744	17165074	Gmdrm	hypo	CHG	-0.166
Gm12	17169752	17169874	Gmdrm	hypo	CHG	-0.1338
Gm12	17192360	17192688	Gmdrm	hypo	CHG	-0.5328
Gm12	17192911	17193048	Gmdrm	hypo	CHG	-0.6362
Gm12	17205519	17205738	Gmdrm	hypo	CHG	-0.862
Gm12	17205865	17205965	Gmdrm	hypo	CHG	-0.7816
Gm12	17208464	17208568	Gmdrm	hypo	CHG	-0.5386
Gm12	17210625	17210780	Gmdrm	hypo	CHG	-0.3162
Gm12	17239717	17239918	Gmdrm	hypo	CHG	-0.08
Gm12	17249506	17249630	Gmdrm	hypo	CHG	-0.3189
Gm12	17252193	17252273	Gmdrm	hypo	CHG	-0.5322
Gm12	17292073	17292199	Gmdrm	hypo	CHG	-0.076
Gm12	17300864	17301064	Gmdrm	hypo	CHG	-0.2909
Gm12	17302787	17302875	Gmdrm	hypo	CHG	-0.0617
Gm12	17367568	17367716	Gmdrm	hypo	CHG	-0.6808
Gm12	17368073	17368167	Gmdrm	hypo	CHG	-0.564
Gm12	17368399	17368446	Gmdrm	hypo	CHG	-0.628
Gm12	17486520	17487232	Gmdrm	hypo	CHG	-0.3063
Gm12	17491509	17492074	Gmdrm	hypo	CHG	-0.1645
Gm12	17509188	17509343	Gmdrm	hypo	CHG	-0.3436
Gm12	17511718	17512113	Gmdrm	hypo	CHG	-0.2993
Gm12	17555342	17555539	Gmdrm	hypo	CHG	-0.4192
Gm12	17559623	17559694	Gmdrm	hypo	CHG	-0.3472
Gm12	17561300	17561893	Gmdrm	hypo	CHG	-0.2024
Gm12	17616875	17616993	Gmdrm	hypo	CHG	-0.5034
Gm12	17631419	17631549	Gmdrm	hypo	CHG	-0.088
Gm12	17633177	17633298	Gmdrm	hypo	CHG	-0.5283
Gm12	17649772	17649820	Gmdrm	hypo	CHG	-0.592
Gm12	17649929	17650055	Gmdrm	hypo	CHG	-0.462
Gm12	17654699	17654860	Gmdrm	hypo	CHG	-0.0245
Gm12	17664855	17665131	Gmdrm	hypo	CHG	-0.0686
Gm12	17681021	17681090	Gmdrm	hypo	CHG	-0.3183
Gm12	17792633	17792938	Gmdrm	hypo	CHG	-0.2435
Gm12	17849122	17849282	Gmdrm	hypo	CHG	-0.4229
Gm12	17849506	17849613	Gmdrm	hypo	CHG	-0.2617
Gm12	17870649	17870972	Gmdrm	hypo	CHG	-0.03
Gm12	17880925	17880998	Gmdrm	hypo	CHG	-0.4158
Gm12	17881105	17881245	Gmdrm	hypo	CHG	-0.5144
Gm12	17882255	17882305	Gmdrm	hypo	CHG	-0.512
Gm12	17882657	17882789	Gmdrm	hypo	CHG	-0.4087
Gm12	17882890	17883061	Gmdrm	hypo	CHG	-0.3411
Gm12	17937233	17937395	Gmdrm	hypo	CHG	-0.18
Gm12	17937546	17938290	Gmdrm	hypo	CHG	-0.3443
Gm12	17950231	17950295	Gmdrm	hypo	CHG	-0.2784
Gm12	17993850	17994076	Gmdrm	hypo	CHG	-0.3909
Gm12	18002650	18002794	Gmdrm	hypo	CHG	-0.0667

Gm12	18060971	18061084	Gmdrm	hypo	CHG	-0.764
Gm12	18069708	18070050	Gmdrm	hypo	CHG	-0.405
Gm12	18142567	18142839	Gmdrm	hypo	CHG	-0.0344
Gm12	18144217	18144348	Gmdrm	hypo	CHG	-0.42
Gm12	18211899	18212073	Gmdrm	hypo	CHG	-0.3677
Gm12	18316184	18316325	Gmdrm	hypo	CHG	-0.3433
Gm12	18318727	18319073	Gmdrm	hypo	CHG	-0.037
Gm12	18349667	18349745	Gmdrm	hypo	CHG	-0.765
Gm12	18352251	18352656	Gmdrm	hypo	CHG	-0.2747
Gm12	18436198	18436388	Gmdrm	hypo	CHG	-0.2079
Gm12	18436689	18436808	Gmdrm	hypo	CHG	-0.4366
Gm12	18439424	18439633	Gmdrm	hypo	CHG	-0.5111
Gm12	18439738	18439988	Gmdrm	hypo	CHG	-0.6518
Gm12	18459206	18459372	Gmdrm	hypo	CHG	-0.052
Gm12	18473878	18474099	Gmdrm	hypo	CHG	-0.1714
Gm12	18474399	18474523	Gmdrm	hypo	CHG	-0.475
Gm12	18474652	18474757	Gmdrm	hypo	CHG	-0.356
Gm12	18486804	18486933	Gmdrm	hypo	CHG	-0.3988
Gm12	18491204	18491577	Gmdrm	hypo	CHG	-0.715
Gm12	18492356	18492408	Gmdrm	hypo	CHG	-0.1884
Gm12	18495593	18495952	Gmdrm	hypo	CHG	-0.4807
Gm12	18501098	18501291	Gmdrm	hypo	CHG	-0.319
Gm12	18504375	18504587	Gmdrm	hypo	CHG	-0.355
Gm12	18544002	18544285	Gmdrm	hypo	CHG	-0.14
Gm12	18550312	18550476	Gmdrm	hypo	CHG	-0.066
Gm12	18564404	18564478	Gmdrm	hypo	CHG	-0.2371
Gm12	18628335	18628472	Gmdrm	hypo	CHG	-0.5316
Gm12	18858575	18858725	Gmdrm	hypo	CHG	-0.0849
Gm12	19037769	19038021	Gmdrm	hypo	CHG	-0.0513
Gm12	19094948	19095211	Gmdrm	hypo	CHG	-0.031
Gm12	19375925	19376120	Gmdrm	hypo	CHG	-0.5663
Gm12	19378560	19378667	Gmdrm	hypo	CHG	-0.4343
Gm12	19380820	19381305	Gmdrm	hypo	CHG	-0.0382
Gm12	19382570	19382823	Gmdrm	hypo	CHG	-0.0571
Gm12	19468273	19468368	Gmdrm	hypo	CHG	-0.052
Gm12	19623679	19623877	Gmdrm	hypo	CHG	-0.0478
Gm12	19627075	19627151	Gmdrm	hypo	CHG	-0.4566
Gm12	19852906	19853013	Gmdrm	hypo	CHG	-0.6484
Gm12	19873348	19873662	Gmdrm	hypo	CHG	-0.2757
Gm12	20068618	20068685	Gmdrm	hypo	CHG	-0.535
Gm12	20094675	20094732	Gmdrm	hypo	CHG	-0.4392
Gm12	20114615	20114787	Gmdrm	hypo	CHG	-0.178
Gm12	20127738	20127825	Gmdrm	hypo	CHG	-0.357
Gm12	20302956	20303240	Gmdrm	hypo	CHG	-0.4065
Gm12	20432387	20432571	Gmdrm	hypo	CHG	-0.0783
Gm12	20450968	20451071	Gmdrm	hypo	CHG	-0.5466

Gm12	20536468	20536609	Gmdrm	hypo	CHG	-0.348
Gm12	20536760	20536966	Gmdrm	hypo	CHG	-0.6525
Gm12	20537828	20537860	Gmdrm	hypo	CHG	-0.1133
Gm12	20540237	20540336	Gmdrm	hypo	CHG	-0.58
Gm12	20540465	20541146	Gmdrm	hypo	CHG	-0.1211
Gm12	20551711	20551837	Gmdrm	hypo	CHG	-0.378
Gm12	20552056	20552246	Gmdrm	hypo	CHG	-0.7704
Gm12	20628131	20628459	Gmdrm	hypo	CHG	-0.46
Gm12	20721674	20721707	Gmdrm	hypo	CHG	-0.1783
Gm12	20726715	20726819	Gmdrm	hypo	CHG	-0.705
Gm12	20825539	20825837	Gmdrm	hypo	CHG	-0.6154
Gm12	20826586	20826773	Gmdrm	hypo	CHG	-0.9307
Gm12	20834471	20834924	Gmdrm	hypo	CHG	-0.373
Gm12	20838326	20838585	Gmdrm	hypo	CHG	-0.14
Gm12	20885246	20885382	Gmdrm	hypo	CHG	-0.094
Gm12	20952812	20952955	Gmdrm	hypo	CHG	-0.5375
Gm12	20953064	20953222	Gmdrm	hypo	CHG	-0.3662
Gm12	20997439	20997697	Gmdrm	hypo	CHG	-0.202
Gm12	21086846	21087114	Gmdrm	hypo	CHG	-0.4622
Gm12	21115259	21115332	Gmdrm	hypo	CHG	-0.0228
Gm12	21118428	21118510	Gmdrm	hypo	CHG	-0.3462
Gm12	21121960	21122054	Gmdrm	hypo	CHG	-0.4712
Gm12	21122300	21122540	Gmdrm	hypo	CHG	-0.49
Gm12	21123308	21123818	Gmdrm	hypo	CHG	-0.5223
Gm12	21125914	21126420	Gmdrm	hypo	CHG	-0.2595
Gm12	21164194	21164365	Gmdrm	hypo	CHG	-0.0584
Gm12	21191801	21192045	Gmdrm	hypo	CHG	-0.7039
Gm12	21204849	21205134	Gmdrm	hypo	CHG	-0.2847
Gm12	21227563	21227722	Gmdrm	hypo	CHG	-0.1213
Gm12	21281725	21281867	Gmdrm	hypo	CHG	-0.7254
Gm12	21433206	21433331	Gmdrm	hypo	CHG	-0.0933
Gm12	21447011	21447619	Gmdrm	hypo	CHG	-0.2916
Gm12	21448478	21448846	Gmdrm	hypo	CHG	-0.2629
Gm12	21463405	21463575	Gmdrm	hypo	CHG	-0.4671
Gm12	21487280	21487512	Gmdrm	hypo	CHG	-0.4312
Gm12	21548528	21549032	Gmdrm	hypo	CHG	-0.2237
Gm12	21633806	21634076	Gmdrm	hypo	CHG	-0.1926
Gm12	21634211	21634502	Gmdrm	hypo	CHG	-0.23
Gm12	21641448	21642031	Gmdrm	hypo	CHG	-0.0307
Gm12	21649249	21649556	Gmdrm	hypo	CHG	-0.1026
Gm12	21756201	21756401	Gmdrm	hypo	CHG	-0.2664
Gm12	21779171	21779296	Gmdrm	hypo	CHG	-0.6883
Gm12	21789516	21789561	Gmdrm	hypo	CHG	-0.4483
Gm12	21792913	21793133	Gmdrm	hypo	CHG	-0.2064
Gm12	21858364	21858446	Gmdrm	hypo	CHG	-0.5914
Gm12	21860121	21860695	Gmdrm	hypo	CHG	-0.7305

Gm12	21860872	21861278	Gmdrm	hypo	CHG	-0.7283
Gm12	21861890	21861977	Gmdrm	hypo	CHG	-0.5429
Gm12	21862078	21862164	Gmdrm	hypo	CHG	-0.5366
Gm12	21862322	21862553	Gmdrm	hypo	CHG	-0.7843
Gm12	21869643	21869843	Gmdrm	hypo	CHG	-0.2767
Gm12	21897939	21898030	Gmdrm	hypo	CHG	-0.1029
Gm12	21902886	21902930	Gmdrm	hypo	CHG	-0.164
Gm12	21904034	21904228	Gmdrm	hypo	CHG	-0.05
Gm12	21928100	21928905	Gmdrm	hypo	CHG	-0.0925
Gm12	21937416	21937593	Gmdrm	hypo	CHG	-0.056
Gm12	21988170	21988275	Gmdrm	hypo	CHG	-0.196
Gm12	21995544	21996161	Gmdrm	hypo	CHG	-0.1887
Gm12	22058996	22059181	Gmdrm	hypo	CHG	-0.254
Gm12	22059403	22059495	Gmdrm	hypo	CHG	-0.475
Gm12	22102319	22102602	Gmdrm	hypo	CHG	-0.5875
Gm12	22672568	22672870	Gmdrm	hypo	CHG	-0.26
Gm12	22673357	22673689	Gmdrm	hypo	CHG	-0.2962
Gm12	22766817	22766907	Gmdrm	hypo	CHG	-0.4167
Gm12	22768049	22768074	Gmdrm	hypo	CHG	-0.2417
Gm12	22786130	22786269	Gmdrm	hypo	CHG	-0.3384
Gm12	22786394	22786733	Gmdrm	hypo	CHG	-0.4338
Gm12	22852507	22852589	Gmdrm	hypo	CHG	-0.12
Gm12	22857667	22857746	Gmdrm	hypo	CHG	-0.767
Gm12	23046507	23046595	Gmdrm	hypo	CHG	-0.5816
Gm12	23047843	23047979	Gmdrm	hypo	CHG	-0.395
Gm12	23076858	23076895	Gmdrm	hypo	CHG	-0.8333
Gm12	23077026	23077614	Gmdrm	hypo	CHG	-0.3618
Gm12	23142231	23142565	Gmdrm	hypo	CHG	-0.518
Gm12	23211429	23211538	Gmdrm	hypo	CHG	-0.232
Gm12	23212715	23212799	Gmdrm	hypo	CHG	-0.7367
Gm12	23212945	23213053	Gmdrm	hypo	CHG	-0.7929
Gm12	23213349	23213579	Gmdrm	hypo	CHG	-0.402
Gm12	23215729	23215899	Gmdrm	hypo	CHG	-0.2542
Gm12	23221139	23221512	Gmdrm	hypo	CHG	-0.3388
Gm12	23711184	23711302	Gmdrm	hypo	CHG	-0.4675
Gm12	23771439	23771607	Gmdrm	hypo	CHG	-0.5978
Gm12	23773420	23773838	Gmdrm	hypo	CHG	-0.6989
Gm12	23773973	23774133	Gmdrm	hypo	CHG	-0.804
Gm12	23775145	23775370	Gmdrm	hypo	CHG	-0.1891
Gm12	23776048	23776097	Gmdrm	hypo	CHG	-0.062
Gm12	23778372	23778660	Gmdrm	hypo	CHG	-0.6688
Gm12	23778798	23779185	Gmdrm	hypo	CHG	-0.7095
Gm12	23792605	23792812	Gmdrm	hypo	CHG	-0.18
Gm12	23850445	23850683	Gmdrm	hypo	CHG	-0.32
Gm12	23851806	23851903	Gmdrm	hypo	CHG	-0.648
Gm12	23870892	23871004	Gmdrm	hypo	CHG	-0.5067

Gm12	23879938	23880172	Gmdrm	hypo	CHG	-0.0727
Gm12	23890049	23890495	Gmdrm	hypo	CHG	-0.1653
Gm12	23907135	23907576	Gmdrm	hypo	CHG	-0.7445
Gm12	23909053	23909210	Gmdrm	hypo	CHG	-0.404
Gm12	23909518	23909650	Gmdrm	hypo	CHG	-0.275
Gm12	24036801	24037793	Gmdrm	hypo	CHG	-0.007
Gm12	24040198	24040300	Gmdrm	hypo	CHG	-0.0129
Gm12	24074271	24074644	Gmdrm	hypo	CHG	-0.06
Gm12	24079205	24079404	Gmdrm	hypo	CHG	-0.4733
Gm12	24079610	24079688	Gmdrm	hypo	CHG	-0.61
Gm12	24080814	24081373	Gmdrm	hypo	CHG	-0.3733
Gm12	24103983	24104138	Gmdrm	hypo	CHG	-0.2833
Gm12	24133498	24133589	Gmdrm	hypo	CHG	-0.135
Gm12	24158735	24158961	Gmdrm	hypo	CHG	-0.0714
Gm12	24245053	24245428	Gmdrm	hypo	CHG	-0.2834
Gm12	24346309	24346455	Gmdrm	hypo	CHG	-0.0922
Gm12	24424855	24425044	Gmdrm	hypo	CHG	-0.1053
Gm12	24537533	24537750	Gmdrm	hypo	CHG	-0.0333
Gm12	24545154	24545427	Gmdrm	hypo	CHG	-0.0914
Gm12	24554779	24554880	Gmdrm	hypo	CHG	-0.612
Gm12	24555002	24555115	Gmdrm	hypo	CHG	-0.8209
Gm12	24555278	24555360	Gmdrm	hypo	CHG	-0.4683
Gm12	24557002	24557310	Gmdrm	hypo	CHG	-0.4685
Gm12	24561285	24561738	Gmdrm	hypo	CHG	-0.1807
Gm12	24562099	24562135	Gmdrm	hypo	CHG	-0.682
Gm12	24562236	24562356	Gmdrm	hypo	CHG	-0.4088
Gm12	24570470	24570688	Gmdrm	hypo	CHG	-0.483
Gm12	24640405	24640635	Gmdrm	hypo	CHG	-0.41
Gm12	24648340	24648492	Gmdrm	hypo	CHG	-0.0955
Gm12	24649818	24650116	Gmdrm	hypo	CHG	-0.5708
Gm12	24865218	24865474	Gmdrm	hypo	CHG	-0.05
Gm12	24874986	24875490	Gmdrm	hypo	CHG	-0.2418
Gm12	24876117	24876717	Gmdrm	hypo	CHG	-0.0525
Gm12	24877938	24878912	Gmdrm	hypo	CHG	-0.2129
Gm12	24911189	24911440	Gmdrm	hypo	CHG	-0.5607
Gm12	24914244	24914268	Gmdrm	hypo	CHG	-0.05
Gm12	24914824	24914976	Gmdrm	hypo	CHG	-0.1875
Gm12	25034077	25034462	Gmdrm	hypo	CHG	-0.0464
Gm12	25040975	25041089	Gmdrm	hypo	CHG	-0.35
Gm12	25426256	25426696	Gmdrm	hypo	CHG	-0.3929
Gm12	25438523	25438892	Gmdrm	hypo	CHG	-0.3821
Gm12	25439002	25439047	Gmdrm	hypo	CHG	-0.56
Gm12	25502159	25502219	Gmdrm	hypo	CHG	-0.8583
Gm12	25502569	25502693	Gmdrm	hypo	CHG	-0.5837
Gm12	25503349	25503673	Gmdrm	hypo	CHG	-0.2905
Gm12	25511156	25511279	Gmdrm	hypo	CHG	-0.718

Gm12	25511408	25511529	Gmdrm	hypo	CHG	-0.578
Gm12	25512341	25512433	Gmdrm	hypo	CHG	-0.5066
Gm12	25515272	25515884	Gmdrm	hypo	CHG	-0.351
Gm12	25805443	25805716	Gmdrm	hypo	CHG	-0.06
Gm12	25958057	25958239	Gmdrm	hypo	CHG	-0.2608
Gm12	26133505	26133713	Gmdrm	hypo	CHG	-0.3571
Gm12	26135943	26136053	Gmdrm	hypo	CHG	-0.042
Gm12	26450303	26450574	Gmdrm	hypo	CHG	-0.1041
Gm12	27304550	27304891	Gmdrm	hypo	CHG	-0.4554
Gm12	27310201	27310222	Gmdrm	hypo	CHG	-0.082
Gm12	27315400	27315562	Gmdrm	hypo	CHG	-0.3034
Gm12	27341715	27342111	Gmdrm	hypo	CHG	-0.035
Gm12	27369265	27369778	Gmdrm	hypo	CHG	-0.1833
Gm12	27406177	27406531	Gmdrm	hypo	CHG	-0.2714
Gm12	27477269	27477369	Gmdrm	hypo	CHG	-0.5967
Gm12	27477533	27477618	Gmdrm	hypo	CHG	-0.5366
Gm12	27480221	27480286	Gmdrm	hypo	CHG	-0.7063
Gm12	27675189	27675259	Gmdrm	hypo	CHG	-0.145
Gm12	27938399	27938547	Gmdrm	hypo	CHG	-0.2856
Gm12	28295021	28295140	Gmdrm	hypo	CHG	-0.3516
Gm12	28352714	28353085	Gmdrm	hypo	CHG	-0.7558
Gm12	28353415	28353642	Gmdrm	hypo	CHG	-0.0916
Gm12	28429825	28430036	Gmdrm	hypo	CHG	-0.3114
Gm12	28607021	28607051	Gmdrm	hypo	CHG	-0.562
Gm12	28923331	28923663	Gmdrm	hypo	CHG	-0.1225
Gm12	28924029	28924256	Gmdrm	hypo	CHG	-0.5291
Gm12	29026994	29027359	Gmdrm	hypo	CHG	-0.09
Gm12	29569014	29569259	Gmdrm	hypo	CHG	-0.3709
Gm12	29695785	29695854	Gmdrm	hypo	CHG	-0.28
Gm12	29872965	29873029	Gmdrm	hypo	CHG	-0.135
Gm12	29904349	29904544	Gmdrm	hypo	CHG	-0.1806
Gm12	29909225	29909414	Gmdrm	hypo	CHG	-0.085
Gm12	30017842	30018078	Gmdrm	hypo	CHG	-0.1312
Gm12	30053860	30053878	Gmdrm	hypo	CHG	-0.195
Gm12	30253288	30253455	Gmdrm	hypo	CHG	-0.2725
Gm12	30486358	30486612	Gmdrm	hypo	CHG	-0.5456
Gm12	30486717	30486778	Gmdrm	hypo	CHG	-0.66
Gm12	30491939	30492063	Gmdrm	hypo	CHG	-0.52
Gm12	30496188	30496377	Gmdrm	hypo	CHG	-0.536
Gm12	30496560	30496634	Gmdrm	hypo	CHG	-0.6371
Gm12	30640479	30640650	Gmdrm	hypo	CHG	-0.1938
Gm12	30791955	30792055	Gmdrm	hypo	CHG	-0.4167
Gm12	30809003	30809238	Gmdrm	hypo	CHG	-0.6388
Gm12	30842141	30842562	Gmdrm	hypo	CHG	-0.6091
Gm12	30873655	30873977	Gmdrm	hypo	CHG	-0.7267
Gm12	30879147	30879656	Gmdrm	hypo	CHG	-0.303

Gm12	30879844	30880030	Gmdrm	hypo	CHG	-0.634
Gm12	30949864	30950480	Gmdrm	hypo	CHG	-0.2497
Gm12	30953710	30953847	Gmdrm	hypo	CHG	-0.273
Gm12	31021291	31021701	Gmdrm	hypo	CHG	-0.0986
Gm12	31254009	31254156	Gmdrm	hypo	CHG	-0.499
Gm12	31287788	31288145	Gmdrm	hypo	CHG	-0.0345
Gm12	31387298	31387633	Gmdrm	hypo	CHG	-0.2247
Gm12	31438941	31439066	Gmdrm	hypo	CHG	-0.4691
Gm12	31439272	31439748	Gmdrm	hypo	CHG	-0.7022
Gm12	31439853	31439954	Gmdrm	hypo	CHG	-0.375
Gm12	31441864	31442125	Gmdrm	hypo	CHG	-0.4093
Gm12	31442312	31442426	Gmdrm	hypo	CHG	-0.63
Gm12	31442531	31442950	Gmdrm	hypo	CHG	-0.7842
Gm12	31446079	31446300	Gmdrm	hypo	CHG	-0.8742
Gm12	31449537	31449656	Gmdrm	hypo	CHG	-0.04
Gm12	31450611	31450851	Gmdrm	hypo	CHG	-0.395
Gm12	31803360	31803498	Gmdrm	hypo	CHG	-0.4172
Gm12	31912155	31912217	Gmdrm	hypo	CHG	-0.7017
Gm12	31912453	31912756	Gmdrm	hypo	CHG	-0.3493
Gm12	31923352	31923643	Gmdrm	hypo	CHG	-0.1692
Gm12	31923907	31924101	Gmdrm	hypo	CHG	-0.4788
Gm12	31924335	31924535	Gmdrm	hypo	CHG	-0.381
Gm12	32026572	32026723	Gmdrm	hypo	CHG	-0.1367
Gm12	32069729	32069852	Gmdrm	hypo	CHG	-0.3825
Gm12	32075959	32076025	Gmdrm	hypo	CHG	-0.055
Gm12	32090560	32090653	Gmdrm	hypo	CHG	-0.082
Gm12	32092353	32092543	Gmdrm	hypo	CHG	-0.048
Gm12	32176348	32176645	Gmdrm	hypo	CHG	-0.3765
Gm12	32241517	32241561	Gmdrm	hypo	CHG	-0.4367
Gm12	32281017	32281583	Gmdrm	hypo	CHG	-0.4959
Gm12	32284647	32284793	Gmdrm	hypo	CHG	-0.4075
Gm12	32284934	32285012	Gmdrm	hypo	CHG	-0.59
Gm12	32285448	32286021	Gmdrm	hypo	CHG	-0.3005
Gm12	32286187	32286347	Gmdrm	hypo	CHG	-0.5784
Gm12	32287197	32287588	Gmdrm	hypo	CHG	-0.2717
Gm12	32293361	32293605	Gmdrm	hypo	CHG	-0.449
Gm12	32302032	32302130	Gmdrm	hypo	CHG	-0.208
Gm12	32302636	32302708	Gmdrm	hypo	CHG	-0.6034
Gm12	32302813	32302944	Gmdrm	hypo	CHG	-0.5372
Gm12	32329052	32329137	Gmdrm	hypo	CHG	-0.2333
Gm12	32348087	32348169	Gmdrm	hypo	CHG	-0.69
Gm12	32353299	32353897	Gmdrm	hypo	CHG	-0.4639
Gm12	32354024	32354153	Gmdrm	hypo	CHG	-0.656
Gm12	32361085	32361538	Gmdrm	hypo	CHG	-0.3275
Gm12	32372770	32373054	Gmdrm	hypo	CHG	-0.6154
Gm12	32373255	32373349	Gmdrm	hypo	CHG	-0.7846

Gm12	32617555	32617695	Gmdrm	hypo	CHG	-0.0922
Gm12	32619535	32619666	Gmdrm	hypo	CHG	-0.0875
Gm12	32913459	32914025	Gmdrm	hypo	CHG	-0.275
Gm12	33108259	33108375	Gmdrm	hypo	CHG	-0.0684
Gm12	33122723	33122874	Gmdrm	hypo	CHG	-0.7366
Gm12	33176892	33177254	Gmdrm	hypo	CHG	-0.3605
Gm12	33212025	33212244	Gmdrm	hypo	CHG	-0.7263
Gm12	33215751	33216001	Gmdrm	hypo	CHG	-0.0378
Gm12	33224266	33224427	Gmdrm	hypo	CHG	-0.035
Gm12	33231403	33231684	Gmdrm	hypo	CHG	-0.3962
Gm12	33294156	33294347	Gmdrm	hypo	CHG	-0.032
Gm12	33297245	33297435	Gmdrm	hypo	CHG	-0.255
Gm12	33300226	33300491	Gmdrm	hypo	CHG	-0.03
Gm12	33319473	33319485	Gmdrm	hypo	CHG	-0.08
Gm12	33330802	33330956	Gmdrm	hypo	CHG	-0.0443
Gm12	33334655	33334787	Gmdrm	hypo	CHG	-0.4028
Gm12	33337168	33337229	Gmdrm	hypo	CHG	-0.568
Gm12	33342346	33342640	Gmdrm	hypo	CHG	-0.0378
Gm12	33379383	33379510	Gmdrm	hypo	CHG	-0.0329
Gm12	33407210	33407267	Gmdrm	hypo	CHG	-0.1471
Gm12	33414907	33415192	Gmdrm	hypo	CHG	-0.6886
Gm12	33417610	33418362	Gmdrm	hypo	CHG	-0.0232
Gm12	33424908	33425096	Gmdrm	hypo	CHG	-0.2591
Gm12	33427739	33427842	Gmdrm	hypo	CHG	-0.178
Gm12	33481014	33481052	Gmdrm	hypo	CHG	-0.664
Gm12	33495211	33495441	Gmdrm	hypo	CHG	-0.6814
Gm12	33508516	33508991	Gmdrm	hypo	CHG	-0.2526
Gm12	33517212	33517461	Gmdrm	hypo	CHG	-0.4033
Gm12	33535819	33536276	Gmdrm	hypo	CHG	-0.3104
Gm12	33559609	33559940	Gmdrm	hypo	CHG	-0.5121
Gm12	33570636	33570684	Gmdrm	hypo	CHG	-0.115
Gm12	33613003	33613143	Gmdrm	hypo	CHG	-0.25
Gm12	33621627	33621827	Gmdrm	hypo	CHG	-0.8921
Gm12	33638853	33638951	Gmdrm	hypo	CHG	-0.7911
Gm12	33662242	33662516	Gmdrm	hypo	CHG	-0.7887
Gm12	33743403	33743605	Gmdrm	hypo	CHG	-0.042
Gm12	33745208	33745444	Gmdrm	hypo	CHG	-0.0483
Gm12	33745590	33745828	Gmdrm	hypo	CHG	-0.05
Gm12	33747557	33747704	Gmdrm	hypo	CHG	-0.084
Gm12	33755557	33756293	Gmdrm	hypo	CHG	-0.1657
Gm12	33764250	33764705	Gmdrm	hypo	CHG	-0.3226
Gm12	33791667	33791767	Gmdrm	hypo	CHG	-0.582
Gm12	33850574	33850789	Gmdrm	hypo	CHG	-0.216
Gm12	33851186	33851292	Gmdrm	hypo	CHG	-0.2683
Gm12	33864119	33864366	Gmdrm	hypo	CHG	-0.0518
Gm12	33877019	33877359	Gmdrm	hypo	CHG	-0.2527

Gm12	33888377	33888696	Gmdrm	hypo	CHG	-0.0766
Gm12	33899438	33899479	Gmdrm	hypo	CHG	-0.665
Gm12	33912396	33912631	Gmdrm	hypo	CHG	-0.0567
Gm12	33935826	33936071	Gmdrm	hypo	CHG	-0.6889
Gm12	33936223	33936472	Gmdrm	hypo	CHG	-0.2333
Gm12	33941625	33941868	Gmdrm	hypo	CHG	-0.0338
Gm12	33963186	33963303	Gmdrm	hypo	CHG	-0.0266
Gm12	33965788	33965891	Gmdrm	hypo	CHG	-0.8708
Gm12	33969821	33970017	Gmdrm	hypo	CHG	-0.718
Gm12	33970132	33970234	Gmdrm	hypo	CHG	-0.737
Gm12	33982525	33983048	Gmdrm	hypo	CHG	-0.5709
Gm12	33983243	33983353	Gmdrm	hypo	CHG	-0.7459
Gm12	33983970	33984093	Gmdrm	hypo	CHG	-0.6967
Gm12	33986078	33986637	Gmdrm	hypo	CHG	-0.2409
Gm12	33994607	33994735	Gmdrm	hypo	CHG	-0.6017
Gm12	34000519	34000605	Gmdrm	hypo	CHG	-0.044
Gm12	34078788	34078944	Gmdrm	hypo	CHG	-0.2911
Gm12	34080526	34080669	Gmdrm	hypo	CHG	-0.3678
Gm12	34095470	34095642	Gmdrm	hypo	CHG	-0.053
Gm12	34107349	34107488	Gmdrm	hypo	CHG	-0.6224
Gm12	34107701	34107947	Gmdrm	hypo	CHG	-0.3285
Gm12	34116440	34116925	Gmdrm	hypo	CHG	-0.2903
Gm12	34121950	34121977	Gmdrm	hypo	CHG	-0.6283
Gm12	34123205	34123379	Gmdrm	hypo	CHG	-0.9453
Gm12	34123498	34123584	Gmdrm	hypo	CHG	-0.85
Gm12	34125612	34125720	Gmdrm	hypo	CHG	-0.64
Gm12	34126467	34126642	Gmdrm	hypo	CHG	-0.5911
Gm12	34128184	34128449	Gmdrm	hypo	CHG	-0.7708
Gm12	34131629	34132032	Gmdrm	hypo	CHG	-0.2744
Gm12	34132218	34132377	Gmdrm	hypo	CHG	-0.395
Gm12	34135480	34135666	Gmdrm	hypo	CHG	-0.3425
Gm12	34135775	34136030	Gmdrm	hypo	CHG	-0.2008
Gm12	34138122	34138368	Gmdrm	hypo	CHG	-0.85
Gm12	34140129	34140218	Gmdrm	hypo	CHG	-0.824
Gm12	34140391	34140492	Gmdrm	hypo	CHG	-0.7949
Gm12	34157118	34157210	Gmdrm	hypo	CHG	-0.046
Gm12	34165728	34165916	Gmdrm	hypo	CHG	-0.0271
Gm12	34173286	34173502	Gmdrm	hypo	CHG	-0.8392
Gm12	34179581	34179696	Gmdrm	hypo	CHG	-0.2556
Gm12	34179814	34180073	Gmdrm	hypo	CHG	-0.755
Gm12	34181616	34181662	Gmdrm	hypo	CHG	-0.635
Gm12	34183265	34183586	Gmdrm	hypo	CHG	-0.2033
Gm12	34194257	34194304	Gmdrm	hypo	CHG	-0.2134
Gm12	34208571	34208864	Gmdrm	hypo	CHG	-0.0444
Gm12	34229454	34229581	Gmdrm	hypo	CHG	-0.652
Gm12	34239881	34240195	Gmdrm	hypo	CHG	-0.7669

Gm12	34256823	34257354	Gmdrm	hypo	CHG	-0.1573
Gm12	34258637	34259041	Gmdrm	hypo	CHG	-0.4656
Gm12	34269328	34269916	Gmdrm	hypo	CHG	-0.1997
Gm12	34277376	34277816	Gmdrm	hypo	CHG	-0.5111
Gm12	34339340	34339878	Gmdrm	hypo	CHG	-0.3118
Gm12	34343102	34343451	Gmdrm	hypo	CHG	-0.6045
Gm12	34343554	34343584	Gmdrm	hypo	CHG	-0.6
Gm12	34345866	34346168	Gmdrm	hypo	CHG	-0.4994
Gm12	34346515	34346739	Gmdrm	hypo	CHG	-0.602
Gm12	34346853	34347031	Gmdrm	hypo	CHG	-0.795
Gm12	34352143	34352744	Gmdrm	hypo	CHG	-0.3153
Gm12	34356463	34356621	Gmdrm	hypo	CHG	-0.4862
Gm12	34377596	34377698	Gmdrm	hypo	CHG	-0.4
Gm12	34378192	34378316	Gmdrm	hypo	CHG	-0.1712
Gm12	34378452	34378576	Gmdrm	hypo	CHG	-0.615
Gm12	34411005	34411212	Gmdrm	hypo	CHG	-0.5036
Gm12	34431182	34431488	Gmdrm	hypo	CHG	-0.3736
Gm12	34433229	34434036	Gmdrm	hypo	CHG	-0.1455
Gm12	34435941	34436126	Gmdrm	hypo	CHG	-0.412
Gm12	34441958	34442153	Gmdrm	hypo	CHG	-0.33
Gm12	34442543	34442761	Gmdrm	hypo	CHG	-0.0357
Gm12	34442981	34443095	Gmdrm	hypo	CHG	-0.615
Gm12	34443271	34443538	Gmdrm	hypo	CHG	-0.4571
Gm12	34462006	34462024	Gmdrm	hypo	CHG	-0.898
Gm12	34480749	34480927	Gmdrm	hypo	CHG	-0.3493
Gm12	34496452	34496628	Gmdrm	hypo	CHG	-0.7786
Gm12	34496793	34496991	Gmdrm	hypo	CHG	-0.5266
Gm12	34514877	34515181	Gmdrm	hypo	CHG	-0.0867
Gm12	34522045	34522161	Gmdrm	hypo	CHG	-0.035
Gm12	34535345	34535501	Gmdrm	hypo	CHG	-0.3807
Gm12	34540483	34540636	Gmdrm	hypo	CHG	-0.3467
Gm12	34540900	34541420	Gmdrm	hypo	CHG	-0.3219
Gm12	34566850	34566877	Gmdrm	hypo	CHG	-0.1213
Gm12	34573596	34573673	Gmdrm	hypo	CHG	-0.7333
Gm12	34584642	34585025	Gmdrm	hypo	CHG	-0.2111
Gm12	34592205	34592385	Gmdrm	hypo	CHG	-0.7457
Gm12	34603513	34603571	Gmdrm	hypo	CHG	-0.3038
Gm12	34618482	34618634	Gmdrm	hypo	CHG	-0.085
Gm12	34645621	34645734	Gmdrm	hypo	CHG	-0.6157
Gm12	34680945	34681108	Gmdrm	hypo	CHG	-0.6492
Gm12	34681291	34681533	Gmdrm	hypo	CHG	-0.7558
Gm12	34683073	34683294	Gmdrm	hypo	CHG	-0.7836
Gm12	34684581	34684710	Gmdrm	hypo	CHG	-0.038
Gm12	34711539	34711631	Gmdrm	hypo	CHG	-0.3883
Gm12	34713437	34713564	Gmdrm	hypo	CHG	-0.375
Gm12	34713837	34714057	Gmdrm	hypo	CHG	-0.205

Gm12	34714685	34714798	Gmdrm	hypo	CHG	-0.64
Gm12	34763021	34763199	Gmdrm	hypo	CHG	-0.6878
Gm12	34770066	34770121	Gmdrm	hypo	CHG	-0.5783
Gm12	34770371	34770508	Gmdrm	hypo	CHG	-0.4972
Gm12	34777534	34777916	Gmdrm	hypo	CHG	-0.2387
Gm12	34814250	34814353	Gmdrm	hypo	CHG	-0.224
Gm12	34836926	34837053	Gmdrm	hypo	CHG	-0.028
Gm12	34844946	34845147	Gmdrm	hypo	CHG	-0.4433
Gm12	34845867	34846069	Gmdrm	hypo	CHG	-0.2437
Gm12	34846421	34846561	Gmdrm	hypo	CHG	-0.475
Gm12	34846993	34847194	Gmdrm	hypo	CHG	-0.35
Gm12	34847880	34848014	Gmdrm	hypo	CHG	-0.2407
Gm12	34848138	34848350	Gmdrm	hypo	CHG	-0.3873
Gm12	34848459	34849068	Gmdrm	hypo	CHG	-0.5324
Gm12	34898492	34898766	Gmdrm	hypo	CHG	-0.346
Gm12	34902129	34902184	Gmdrm	hypo	CHG	-0.034
Gm12	34910135	34910280	Gmdrm	hypo	CHG	-0.2908
Gm12	34913336	34913442	Gmdrm	hypo	CHG	-0.8809
Gm12	34921341	34921494	Gmdrm	hypo	CHG	-0.045
Gm12	34922742	34922949	Gmdrm	hypo	CHG	-0.0371
Gm12	34937077	34937663	Gmdrm	hypo	CHG	-0.1382
Gm12	34956344	34956481	Gmdrm	hypo	CHG	-0.5613
Gm12	34963036	34963249	Gmdrm	hypo	CHG	-0.4168
Gm12	34965680	34966121	Gmdrm	hypo	CHG	-0.1882
Gm12	34971166	34971490	Gmdrm	hypo	CHG	-0.3609
Gm12	34974378	34975123	Gmdrm	hypo	CHG	-0.1009
Gm12	34986488	34986928	Gmdrm	hypo	CHG	-0.3091
Gm12	34990057	34990198	Gmdrm	hypo	CHG	-0.2938
Gm12	35025789	35026124	Gmdrm	hypo	CHG	-0.0409
Gm12	35046135	35046307	Gmdrm	hypo	CHG	-0.05
Gm12	35050700	35050962	Gmdrm	hypo	CHG	-0.7062
Gm12	35060607	35060631	Gmdrm	hypo	CHG	-0.415
Gm12	35063272	35063866	Gmdrm	hypo	CHG	-0.0346
Gm12	35065333	35065556	Gmdrm	hypo	CHG	-0.0318
Gm12	35066951	35067054	Gmdrm	hypo	CHG	-0.3862
Gm12	35067348	35067424	Gmdrm	hypo	CHG	-0.3625
Gm12	35068661	35068930	Gmdrm	hypo	CHG	-0.1175
Gm12	35087511	35087649	Gmdrm	hypo	CHG	-0.082
Gm12	35095882	35096483	Gmdrm	hypo	CHG	-0.5731
Gm12	35098605	35098728	Gmdrm	hypo	CHG	-0.475
Gm12	35121564	35121726	Gmdrm	hypo	CHG	-0.5117
Gm12	35134202	35134346	Gmdrm	hypo	CHG	-0.2901
Gm12	35164834	35165059	Gmdrm	hypo	CHG	-0.41
Gm12	35174257	35174437	Gmdrm	hypo	CHG	-0.4309
Gm12	35180927	35181574	Gmdrm	hypo	CHG	-0.1911
Gm12	35188673	35189098	Gmdrm	hypo	CHG	-0.3576

Gm12	35193568	35193884	Gmdrm	hypo	CHG	-0.0322
Gm12	35203759	35204733	Gmdrm	hypo	CHG	-0.1829
Gm12	35214901	35215063	Gmdrm	hypo	CHG	-0.5609
Gm12	35220848	35221145	Gmdrm	hypo	CHG	-0.5627
Gm12	35235482	35235866	Gmdrm	hypo	CHG	-0.8187
Gm12	35251400	35251499	Gmdrm	hypo	CHG	-0.6756
Gm12	35251753	35252094	Gmdrm	hypo	CHG	-0.3786
Gm12	35258616	35258788	Gmdrm	hypo	CHG	-0.7222
Gm12	35258891	35259047	Gmdrm	hypo	CHG	-0.646
Gm12	35297139	35297260	Gmdrm	hypo	CHG	-0.78
Gm12	35304378	35304504	Gmdrm	hypo	CHG	-0.5323
Gm12	35315317	35315459	Gmdrm	hypo	CHG	-0.102
Gm12	35321383	35321517	Gmdrm	hypo	CHG	-0.038
Gm12	35323463	35323617	Gmdrm	hypo	CHG	-0.705
Gm12	35323902	35324045	Gmdrm	hypo	CHG	-0.5525
Gm12	35329543	35329615	Gmdrm	hypo	CHG	-0.475
Gm12	35346311	35346499	Gmdrm	hypo	CHG	-0.26
Gm12	35349315	35349817	Gmdrm	hypo	CHG	-0.6355
Gm12	35349987	35350199	Gmdrm	hypo	CHG	-0.4743
Gm12	35358113	35358371	Gmdrm	hypo	CHG	-0.05
Gm12	35358818	35358968	Gmdrm	hypo	CHG	-0.6325
Gm12	35359108	35359171	Gmdrm	hypo	CHG	-0.8466
Gm12	35359524	35359790	Gmdrm	hypo	CHG	-0.4362
Gm12	35360434	35360726	Gmdrm	hypo	CHG	-0.63
Gm12	35364850	35365254	Gmdrm	hypo	CHG	-0.1228
Gm12	35366964	35367663	Gmdrm	hypo	CHG	-0.393
Gm12	35367932	35368090	Gmdrm	hypo	CHG	-0.444
Gm12	35370671	35370908	Gmdrm	hypo	CHG	-0.0462
Gm12	35385093	35385968	Gmdrm	hypo	CHG	-0.2291
Gm12	35446475	35446665	Gmdrm	hypo	CHG	-0.4088
Gm12	35464863	35465043	Gmdrm	hypo	CHG	-0.502
Gm12	35474260	35474408	Gmdrm	hypo	CHG	-0.6414
Gm12	35483436	35483553	Gmdrm	hypo	CHG	-0.6637
Gm12	35485911	35486059	Gmdrm	hypo	CHG	-0.03
Gm12	35487763	35487973	Gmdrm	hypo	CHG	-0.4777
Gm12	35505610	35505864	Gmdrm	hypo	CHG	-0.63
Gm12	35506485	35506655	Gmdrm	hypo	CHG	-0.3226
Gm12	35507821	35508025	Gmdrm	hypo	CHG	-0.4163
Gm12	35508580	35508775	Gmdrm	hypo	CHG	-0.8275
Gm12	35521088	35521194	Gmdrm	hypo	CHG	-0.372
Gm12	35521312	35521523	Gmdrm	hypo	CHG	-0.2671
Gm12	35530708	35530723	Gmdrm	hypo	CHG	-0.786
Gm12	35547384	35547741	Gmdrm	hypo	CHG	-0.055
Gm12	35564170	35564446	Gmdrm	hypo	CHG	-0.4508
Gm12	35604850	35605118	Gmdrm	hypo	CHG	-0.096
Gm12	35636120	35636334	Gmdrm	hypo	CHG	-0.4418

Gm12	35639354	35639781	Gmdrm	hypo	CHG	-0.2247
Gm12	35651668	35651768	Gmdrm	hypo	CHG	-0.396
Gm12	35668152	35669076	Gmdrm	hypo	CHG	-0.7137
Gm12	35682610	35682704	Gmdrm	hypo	CHG	-0.1813
Gm12	35689979	35690151	Gmdrm	hypo	CHG	-0.8
Gm12	35690855	35691113	Gmdrm	hypo	CHG	-0.5358
Gm12	35691715	35691956	Gmdrm	hypo	CHG	-0.792
Gm12	35727807	35727958	Gmdrm	hypo	CHG	-0.4933
Gm12	35728074	35728158	Gmdrm	hypo	CHG	-0.7825
Gm12	35729489	35729611	Gmdrm	hypo	CHG	-0.6287
Gm12	35729739	35729951	Gmdrm	hypo	CHG	-0.48
Gm12	35733580	35733896	Gmdrm	hypo	CHG	-0.1041
Gm12	35742725	35743147	Gmdrm	hypo	CHG	-0.7758
Gm12	35747713	35747858	Gmdrm	hypo	CHG	-0.1743
Gm12	35779428	35779990	Gmdrm	hypo	CHG	-0.3421
Gm12	35780108	35780125	Gmdrm	hypo	CHG	-0.3783
Gm12	35791367	35791556	Gmdrm	hypo	CHG	-0.7942
Gm12	35796427	35796485	Gmdrm	hypo	CHG	-0.246
Gm12	35805768	35805913	Gmdrm	hypo	CHG	-0.5493
Gm12	35827984	35828079	Gmdrm	hypo	CHG	-0.06
Gm12	35830288	35830363	Gmdrm	hypo	CHG	-0.4584
Gm12	35832062	35832235	Gmdrm	hypo	CHG	-0.7523
Gm12	35857274	35858035	Gmdrm	hypo	CHG	-0.3247
Gm12	35858205	35858321	Gmdrm	hypo	CHG	-0.085
Gm12	35883557	35883664	Gmdrm	hypo	CHG	-0.2637
Gm12	35883834	35883873	Gmdrm	hypo	CHG	-0.6162
Gm12	35884563	35884814	Gmdrm	hypo	CHG	-0.8627
Gm12	35918784	35919117	Gmdrm	hypo	CHG	-0.2979
Gm12	35919265	35919838	Gmdrm	hypo	CHG	-0.4547
Gm12	35921636	35921853	Gmdrm	hypo	CHG	-0.641
Gm12	35921975	35922086	Gmdrm	hypo	CHG	-0.8583
Gm12	35946387	35946633	Gmdrm	hypo	CHG	-0.214
Gm12	35953557	35953624	Gmdrm	hypo	CHG	-0.032
Gm12	35971435	35971626	Gmdrm	hypo	CHG	-0.1037
Gm12	35981115	35981277	Gmdrm	hypo	CHG	-0.062
Gm12	35983766	35984386	Gmdrm	hypo	CHG	-0.7496
Gm12	35986557	35986636	Gmdrm	hypo	CHG	-0.4913
Gm12	35993539	35993608	Gmdrm	hypo	CHG	-0.698
Gm12	35993715	35993913	Gmdrm	hypo	CHG	-0.6231
Gm12	36000950	36001289	Gmdrm	hypo	CHG	-0.6058
Gm12	36003721	36003937	Gmdrm	hypo	CHG	-0.3609
Gm12	36013503	36013587	Gmdrm	hypo	CHG	-0.86
Gm12	36023889	36024264	Gmdrm	hypo	CHG	-0.7244
Gm12	36032343	36032381	Gmdrm	hypo	CHG	-0.052
Gm12	36039768	36040228	Gmdrm	hypo	CHG	-0.3959
Gm12	36056881	36057408	Gmdrm	hypo	CHG	-0.5895

Gm12	36065250	36065378 Gmdrm	hypo	CHG	-0.0833
Gm12	36065702	36065767 Gmdrm	hypo	CHG	-0.0333
Gm12	36068788	36068889 Gmdrm	hypo	CHG	-0.784
Gm12	36069244	36069450 Gmdrm	hypo	CHG	-0.8542
Gm12	36099555	36099840 Gmdrm	hypo	CHG	-0.5415
Gm12	36106675	36107218 Gmdrm	hypo	CHG	-0.0779
Gm12	36125112	36125477 Gmdrm	hypo	CHG	-0.1409
Gm12	36131469	36131594 Gmdrm	hypo	CHG	-0.52
Gm12	36131834	36131908 Gmdrm	hypo	CHG	-0.172
Gm12	36159647	36159782 Gmdrm	hypo	CHG	-0.032
Gm12	36161075	36161355 Gmdrm	hypo	CHG	-0.0417
Gm12	36162206	36162547 Gmdrm	hypo	CHG	-0.7374
Gm12	36165695	36165827 Gmdrm	hypo	CHG	-0.6033
Gm12	36166577	36166793 Gmdrm	hypo	CHG	-0.4908
Gm12	36167397	36167622 Gmdrm	hypo	CHG	-0.5717
Gm12	36168332	36168562 Gmdrm	hypo	CHG	-0.0399
Gm12	36173202	36173273 Gmdrm	hypo	CHG	-0.3367
Gm12	36173416	36173432 Gmdrm	hypo	CHG	-0.852
Gm12	36173543	36173714 Gmdrm	hypo	CHG	-0.746
Gm12	36178158	36178545 Gmdrm	hypo	CHG	-0.3512
Gm12	36192953	36192993 Gmdrm	hypo	CHG	-0.044
Gm12	36201023	36201336 Gmdrm	hypo	CHG	-0.8769
Gm12	36207676	36207767 Gmdrm	hypo	CHG	-0.7499
Gm12	36207868	36208058 Gmdrm	hypo	CHG	-0.6887
Gm12	36223146	36223256 Gmdrm	hypo	CHG	-0.73
Gm12	36223543	36223682 Gmdrm	hypo	CHG	-0.0317
Gm12	36229700	36230068 Gmdrm	hypo	CHG	-0.3016
Gm12	36230697	36231281 Gmdrm	hypo	CHG	-0.3257
Gm12	36236179	36236548 Gmdrm	hypo	CHG	-0.3159
Gm12	36241151	36241290 Gmdrm	hypo	CHG	-0.405
Gm12	36241394	36241432 Gmdrm	hypo	CHG	-0.082
Gm12	36244365	36244513 Gmdrm	hypo	CHG	-0.5523
Gm12	36245653	36245986 Gmdrm	hypo	CHG	-0.6496
Gm12	36248437	36248557 Gmdrm	hypo	CHG	-0.7782
Gm12	36254156	36254297 Gmdrm	hypo	CHG	-0.3617
Gm12	36268112	36268234 Gmdrm	hypo	CHG	-0.5267
Gm12	36268768	36268833 Gmdrm	hypo	CHG	-0.446
Gm12	36269548	36269701 Gmdrm	hypo	CHG	-0.864
Gm12	36271241	36271340 Gmdrm	hypo	CHG	-0.6829
Gm12	36271694	36271935 Gmdrm	hypo	CHG	-0.485
Gm12	36275267	36275472 Gmdrm	hypo	CHG	-0.0662
Gm12	36310980	36311320 Gmdrm	hypo	CHG	-0.7477
Gm12	36327403	36327746 Gmdrm	hypo	CHG	-0.38
Gm12	36327902	36328222 Gmdrm	hypo	CHG	-0.2433
Gm12	36335370	36335468 Gmdrm	hypo	CHG	-0.056
Gm12	36373525	36373586 Gmdrm	hypo	CHG	-0.408

Gm12	36373864	36374511	Gmdrm	hypo	CHG	-0.5276
Gm12	36388194	36388369	Gmdrm	hypo	CHG	-0.268
Gm12	36389604	36389756	Gmdrm	hypo	CHG	-0.4
Gm12	36390523	36390746	Gmdrm	hypo	CHG	-0.2155
Gm12	36391284	36391589	Gmdrm	hypo	CHG	-0.3579
Gm12	36453080	36453265	Gmdrm	hypo	CHG	-0.0393
Gm12	36485832	36485951	Gmdrm	hypo	CHG	-0.595
Gm12	36507972	36508276	Gmdrm	hypo	CHG	-0.0277
Gm12	36544381	36544619	Gmdrm	hypo	CHG	-0.045
Gm12	36568476	36568514	Gmdrm	hypo	CHG	-0.192
Gm12	36568665	36568806	Gmdrm	hypo	CHG	-0.13
Gm12	36600044	36600154	Gmdrm	hypo	CHG	-0.4133
Gm12	36604403	36604713	Gmdrm	hypo	CHG	-0.5929
Gm12	36611994	36612088	Gmdrm	hypo	CHG	-0.212
Gm12	36619505	36619618	Gmdrm	hypo	CHG	-0.73
Gm12	36645499	36645715	Gmdrm	hypo	CHG	-0.0275
Gm12	36674342	36674419	Gmdrm	hypo	CHG	-0.505
Gm12	36682741	36682953	Gmdrm	hypo	CHG	-0.0933
Gm12	36689155	36689606	Gmdrm	hypo	CHG	-0.0387
Gm12	36692987	36692998	Gmdrm	hypo	CHG	-0.806
Gm12	36703276	36703449	Gmdrm	hypo	CHG	-0.7385
Gm12	36705415	36705447	Gmdrm	hypo	CHG	-0.2672
Gm12	36705594	36705631	Gmdrm	hypo	CHG	-0.3616
Gm12	36706498	36706666	Gmdrm	hypo	CHG	-0.5586
Gm12	36720137	36720338	Gmdrm	hypo	CHG	-0.036
Gm12	36730160	36730233	Gmdrm	hypo	CHG	-0.4657
Gm12	36736013	36736085	Gmdrm	hypo	CHG	-0.35
Gm12	36739999	36740333	Gmdrm	hypo	CHG	-0.6857
Gm12	36740465	36740538	Gmdrm	hypo	CHG	-0.52
Gm12	36740927	36741000	Gmdrm	hypo	CHG	-0.744
Gm12	36776487	36776843	Gmdrm	hypo	CHG	-0.1913
Gm12	36786917	36787136	Gmdrm	hypo	CHG	-0.4112
Gm12	36787283	36787476	Gmdrm	hypo	CHG	-0.46
Gm12	36813630	36813996	Gmdrm	hypo	CHG	-0.553
Gm12	36814104	36814187	Gmdrm	hypo	CHG	-0.7415
Gm12	36830687	36831369	Gmdrm	hypo	CHG	-0.5141
Gm12	36833756	36833806	Gmdrm	hypo	CHG	-0.618
Gm12	36836448	36836639	Gmdrm	hypo	CHG	-0.0533
Gm12	36841933	36842049	Gmdrm	hypo	CHG	-0.31
Gm12	36850059	36850196	Gmdrm	hypo	CHG	-0.482
Gm12	36850517	36850664	Gmdrm	hypo	CHG	-0.5713
Gm12	36850767	36850971	Gmdrm	hypo	CHG	-0.5725
Gm12	36861692	36861807	Gmdrm	hypo	CHG	-0.745
Gm12	36861920	36861990	Gmdrm	hypo	CHG	-0.7283
Gm12	36882809	36883178	Gmdrm	hypo	CHG	-0.7725
Gm12	36883352	36883547	Gmdrm	hypo	CHG	-0.6146

Gm12	36896745	36896921	Gmdrm	hypo	CHG	-0.4358
Gm12	36898753	36899065	Gmdrm	hypo	CHG	-0.5975
Gm12	36900010	36900115	Gmdrm	hypo	CHG	-0.445
Gm12	36900226	36900438	Gmdrm	hypo	CHG	-0.7885
Gm12	36917908	36917977	Gmdrm	hypo	CHG	-0.06
Gm12	36937947	36938278	Gmdrm	hypo	CHG	-0.51
Gm12	36938429	36938478	Gmdrm	hypo	CHG	-0.352
Gm12	36939239	36939473	Gmdrm	hypo	CHG	-0.184
Gm12	36945925	36946165	Gmdrm	hypo	CHG	-0.6808
Gm12	36947599	36947644	Gmdrm	hypo	CHG	-0.634
Gm12	36949606	36949677	Gmdrm	hypo	CHG	-0.6534
Gm12	36950411	36950661	Gmdrm	hypo	CHG	-0.2125
Gm12	36955919	36956083	Gmdrm	hypo	CHG	-0.036
Gm12	36957104	36957284	Gmdrm	hypo	CHG	-0.06
Gm12	36968124	36968195	Gmdrm	hypo	CHG	-0.0367
Gm12	36973130	36973167	Gmdrm	hypo	CHG	-0.235
Gm12	36984574	36984654	Gmdrm	hypo	CHG	-0.4138
Gm12	36984769	36984878	Gmdrm	hypo	CHG	-0.0657
Gm12	36994747	36994928	Gmdrm	hypo	CHG	-0.076
Gm12	36998743	36998792	Gmdrm	hypo	CHG	-0.796
Gm12	37000043	37000167	Gmdrm	hypo	CHG	-0.5216
Gm12	37000963	37001026	Gmdrm	hypo	CHG	-0.58
Gm12	37013561	37013777	Gmdrm	hypo	CHG	-0.5774
Gm12	37013912	37014533	Gmdrm	hypo	CHG	-0.2114
Gm12	37016999	37017160	Gmdrm	hypo	CHG	-0.62
Gm12	37017349	37017459	Gmdrm	hypo	CHG	-0.6513
Gm12	37019780	37019929	Gmdrm	hypo	CHG	-0.3378
Gm12	37023180	37023408	Gmdrm	hypo	CHG	-0.628
Gm12	37025524	37025853	Gmdrm	hypo	CHG	-0.2071
Gm12	37026231	37026264	Gmdrm	hypo	CHG	-0.93
Gm12	37026786	37027062	Gmdrm	hypo	CHG	-0.6946
Gm12	37037405	37037621	Gmdrm	hypo	CHG	-0.03
Gm12	37037962	37038000	Gmdrm	hypo	CHG	-0.7033
Gm12	37056110	37056167	Gmdrm	hypo	CHG	-0.05
Gm12	37068788	37068828	Gmdrm	hypo	CHG	-0.41
Gm12	37078357	37078487	Gmdrm	hypo	CHG	-0.7824
Gm12	37078668	37079141	Gmdrm	hypo	CHG	-0.7919
Gm12	37079244	37079372	Gmdrm	hypo	CHG	-0.8073
Gm12	37081311	37081464	Gmdrm	hypo	CHG	-0.0429
Gm12	37087776	37087936	Gmdrm	hypo	CHG	-0.4645
Gm12	37088689	37088856	Gmdrm	hypo	CHG	-0.79
Gm12	37109088	37109174	Gmdrm	hypo	CHG	-0.2883
Gm12	37109455	37110152	Gmdrm	hypo	CHG	-0.6276
Gm12	37158935	37159021	Gmdrm	hypo	CHG	-0.82
Gm12	37159649	37159692	Gmdrm	hypo	CHG	-0.4
Gm12	37173714	37173856	Gmdrm	hypo	CHG	-0.65

Gm12	37188573	37188791	Gmdrm	hypo	CHG	-0.6654
Gm12	37200218	37200374	Gmdrm	hypo	CHG	-0.1
Gm12	37227280	37227423	Gmdrm	hypo	CHG	-0.3772
Gm12	37228737	37228806	Gmdrm	hypo	CHG	-0.1251
Gm12	37235696	37235738	Gmdrm	hypo	CHG	-0.5217
Gm12	37236510	37236784	Gmdrm	hypo	CHG	-0.7692
Gm12	37236938	37236989	Gmdrm	hypo	CHG	-0.8738
Gm12	37247528	37247742	Gmdrm	hypo	CHG	-0.126
Gm12	37252915	37253097	Gmdrm	hypo	CHG	-0.0333
Gm12	37267330	37267559	Gmdrm	hypo	CHG	-0.205
Gm12	37281735	37281861	Gmdrm	hypo	CHG	-0.0571
Gm12	37282050	37282856	Gmdrm	hypo	CHG	-0.2043
Gm12	37295135	37295215	Gmdrm	hypo	CHG	-0.112
Gm12	37295593	37295712	Gmdrm	hypo	CHG	-0.52
Gm12	37323737	37324303	Gmdrm	hypo	CHG	-0.5248
Gm12	37324448	37324783	Gmdrm	hypo	CHG	-0.8819
Gm12	37347401	37347490	Gmdrm	hypo	CHG	-0.2467
Gm12	37349307	37349562	Gmdrm	hypo	CHG	-0.028
Gm12	37375588	37375820	Gmdrm	hypo	CHG	-0.115
Gm12	37376061	37376320	Gmdrm	hypo	CHG	-0.8283
Gm12	37378411	37378620	Gmdrm	hypo	CHG	-0.723
Gm12	37379429	37379708	Gmdrm	hypo	CHG	-0.2866
Gm12	37381392	37382078	Gmdrm	hypo	CHG	-0.7288
Gm12	37388383	37388565	Gmdrm	hypo	CHG	-0.06
Gm12	37392146	37392424	Gmdrm	hypo	CHG	-0.2778
Gm12	37398709	37398981	Gmdrm	hypo	CHG	-0.2579
Gm12	37403176	37403748	Gmdrm	hypo	CHG	-0.1743
Gm12	37412779	37412836	Gmdrm	hypo	CHG	-0.7962
Gm12	37427145	37427169	Gmdrm	hypo	CHG	-0.6463
Gm12	37427386	37427540	Gmdrm	hypo	CHG	-0.3243
Gm12	37428586	37428682	Gmdrm	hypo	CHG	-0.444
Gm12	37428810	37429031	Gmdrm	hypo	CHG	-0.613
Gm12	37444741	37444801	Gmdrm	hypo	CHG	-0.8557
Gm12	37455738	37455919	Gmdrm	hypo	CHG	-0.3171
Gm12	37456038	37456127	Gmdrm	hypo	CHG	-0.4433
Gm12	37464195	37464283	Gmdrm	hypo	CHG	-0.57
Gm12	37480418	37480735	Gmdrm	hypo	CHG	-0.44
Gm12	37510987	37511095	Gmdrm	hypo	CHG	-0.82
Gm12	37514521	37514734	Gmdrm	hypo	CHG	-0.6109
Gm12	37537940	37538091	Gmdrm	hypo	CHG	-0.474
Gm12	37542221	37542656	Gmdrm	hypo	CHG	-0.5057
Gm12	37549690	37549796	Gmdrm	hypo	CHG	-0.7211
Gm12	37565489	37565747	Gmdrm	hypo	CHG	-0.5127
Gm12	37575074	37575256	Gmdrm	hypo	CHG	-0.29
Gm12	37575427	37576202	Gmdrm	hypo	CHG	-0.5375
Gm12	37576733	37576874	Gmdrm	hypo	CHG	-0.685

Gm12	37618631	37619022	Gmdrm	hypo	CHG	-0.5478
Gm12	37620382	37620736	Gmdrm	hypo	CHG	-0.4281
Gm12	37628959	37629506	Gmdrm	hypo	CHG	-0.1609
Gm12	37644383	37644526	Gmdrm	hypo	CHG	-0.4366
Gm12	37763558	37763830	Gmdrm	hypo	CHG	-0.6944
Gm12	37763957	37764074	Gmdrm	hypo	CHG	-0.6283
Gm12	37784316	37784589	Gmdrm	hypo	CHG	-0.0217
Gm12	37798346	37798470	Gmdrm	hypo	CHG	-0.6072
Gm12	37799787	37799895	Gmdrm	hypo	CHG	-0.25
Gm12	37811102	37811422	Gmdrm	hypo	CHG	-0.6978
Gm12	37820974	37821244	Gmdrm	hypo	CHG	-0.5844
Gm12	37830352	37830520	Gmdrm	hypo	CHG	-0.5684
Gm12	37830637	37830654	Gmdrm	hypo	CHG	-0.9033
Gm12	37838655	37838696	Gmdrm	hypo	CHG	-0.265
Gm12	37857035	37857146	Gmdrm	hypo	CHG	-0.4923
Gm12	37884742	37884839	Gmdrm	hypo	CHG	-0.098
Gm12	37892816	37892908	Gmdrm	hypo	CHG	-0.0825
Gm12	37894071	37894166	Gmdrm	hypo	CHG	-0.154
Gm12	37906516	37906566	Gmdrm	hypo	CHG	-0.6583
Gm12	37907441	37907558	Gmdrm	hypo	CHG	-0.62
Gm12	37913382	37913683	Gmdrm	hypo	CHG	-0.42
Gm12	37915345	37915757	Gmdrm	hypo	CHG	-0.5795
Gm12	37918183	37918540	Gmdrm	hypo	CHG	-0.8275
Gm12	37918751	37918948	Gmdrm	hypo	CHG	-0.2385
Gm12	37951278	37951438	Gmdrm	hypo	CHG	-0.4612
Gm12	37952786	37952969	Gmdrm	hypo	CHG	-0.24
Gm12	37953217	37954034	Gmdrm	hypo	CHG	-0.3003
Gm12	37962568	37962659	Gmdrm	hypo	CHG	-0.292
Gm12	37963165	37963256	Gmdrm	hypo	CHG	-0.712
Gm12	37971847	37971927	Gmdrm	hypo	CHG	-0.722
Gm12	37976360	37976603	Gmdrm	hypo	CHG	-0.8027
Gm12	37978522	37978804	Gmdrm	hypo	CHG	-0.6905
Gm12	38010259	38010274	Gmdrm	hypo	CHG	-0.04
Gm12	38015457	38015586	Gmdrm	hypo	CHG	-0.2528
Gm12	38018510	38018648	Gmdrm	hypo	CHG	-0.776
Gm12	38022450	38022706	Gmdrm	hypo	CHG	-0.04
Gm12	38026824	38026937	Gmdrm	hypo	CHG	-0.042
Gm12	38047803	38048355	Gmdrm	hypo	CHG	-0.2509
Gm12	38048513	38049422	Gmdrm	hypo	CHG	-0.2428
Gm12	38053019	38053609	Gmdrm	hypo	CHG	-0.614
Gm12	38057563	38057683	Gmdrm	hypo	CHG	-0.0534
Gm12	38069491	38069671	Gmdrm	hypo	CHG	-0.0343
Gm12	38080575	38080825	Gmdrm	hypo	CHG	-0.616
Gm12	38106432	38106461	Gmdrm	hypo	CHG	-0.6417
Gm12	38113533	38113625	Gmdrm	hypo	CHG	-0.6717
Gm12	38135931	38136271	Gmdrm	hypo	CHG	-0.3145

Gm12	38149967	38150172	Gmdrm	hypo	CHG	-0.624
Gm12	38177863	38178290	Gmdrm	hypo	CHG	-0.8171
Gm12	38178891	38179190	Gmdrm	hypo	CHG	-0.7139
Gm12	38181463	38181570	Gmdrm	hypo	CHG	-0.7611
Gm12	38184886	38184919	Gmdrm	hypo	CHG	-0.6917
Gm12	38194828	38194934	Gmdrm	hypo	CHG	-0.184
Gm12	38212785	38212911	Gmdrm	hypo	CHG	-0.0488
Gm12	38213130	38213320	Gmdrm	hypo	CHG	-0.7622
Gm12	38220532	38220621	Gmdrm	hypo	CHG	-0.768
Gm12	38240904	38241054	Gmdrm	hypo	CHG	-0.0363
Gm12	38247432	38247630	Gmdrm	hypo	CHG	-0.1578
Gm12	38247966	38248186	Gmdrm	hypo	CHG	-0.4589
Gm12	38262587	38262898	Gmdrm	hypo	CHG	-0.45
Gm12	38291647	38291834	Gmdrm	hypo	CHG	-0.2216
Gm12	38320711	38320994	Gmdrm	hypo	CHG	-0.5443
Gm12	38331046	38331102	Gmdrm	hypo	CHG	-0.572
Gm12	38335043	38335316	Gmdrm	hypo	CHG	-0.49
Gm12	38348130	38348297	Gmdrm	hypo	CHG	-0.6529
Gm12	38348423	38348532	Gmdrm	hypo	CHG	-0.3729
Gm12	38351188	38351373	Gmdrm	hypo	CHG	-0.7958
Gm12	38370103	38370331	Gmdrm	hypo	CHG	-0.5786
Gm12	38370707	38370797	Gmdrm	hypo	CHG	-0.0529
Gm12	38372141	38372600	Gmdrm	hypo	CHG	-0.33
Gm12	38399553	38399702	Gmdrm	hypo	CHG	-0.0486
Gm12	38415110	38415244	Gmdrm	hypo	CHG	-0.0572
Gm12	38415611	38415957	Gmdrm	hypo	CHG	-0.0433
Gm12	38435160	38435288	Gmdrm	hypo	CHG	-0.054
Gm12	38461313	38461501	Gmdrm	hypo	CHG	-0.052
Gm12	38473229	38473355	Gmdrm	hypo	CHG	-0.054
Gm12	38475204	38475482	Gmdrm	hypo	CHG	-0.0438
Gm12	38476503	38476737	Gmdrm	hypo	CHG	-0.0433
Gm12	38501258	38501563	Gmdrm	hypo	CHG	-0.0713
Gm12	38505188	38505266	Gmdrm	hypo	CHG	-0.5983
Gm12	38511827	38512784	Gmdrm	hypo	CHG	-0.336
Gm12	38584796	38584893	Gmdrm	hypo	CHG	-0.2986
Gm12	38604885	38605091	Gmdrm	hypo	CHG	-0.4686
Gm12	38610204	38610279	Gmdrm	hypo	CHG	-0.6617
Gm12	38611966	38612104	Gmdrm	hypo	CHG	-0.6875
Gm12	38618653	38618917	Gmdrm	hypo	CHG	-0.381
Gm12	38626472	38626614	Gmdrm	hypo	CHG	-0.256
Gm12	38626874	38627029	Gmdrm	hypo	CHG	-0.211
Gm12	38630618	38630719	Gmdrm	hypo	CHG	-0.6567
Gm12	38631049	38631305	Gmdrm	hypo	CHG	-0.2707
Gm12	38631410	38631535	Gmdrm	hypo	CHG	-0.2092
Gm12	38645343	38645532	Gmdrm	hypo	CHG	-0.3326
Gm12	38652362	38652429	Gmdrm	hypo	CHG	-0.75

Gm12	38665538	38665734	Gmdrm	hypo	CHG	-0.2012
Gm12	38666129	38666276	Gmdrm	hypo	CHG	-0.4275
Gm12	38676575	38676775	Gmdrm	hypo	CHG	-0.048
Gm12	38690671	38690852	Gmdrm	hypo	CHG	-0.5755
Gm12	38709789	38710150	Gmdrm	hypo	CHG	-0.5963
Gm12	38730153	38730456	Gmdrm	hypo	CHG	-0.4765
Gm12	38731509	38731609	Gmdrm	hypo	CHG	-0.535
Gm12	38731832	38732077	Gmdrm	hypo	CHG	-0.5094
Gm12	38737423	38737604	Gmdrm	hypo	CHG	-0.685
Gm12	38741671	38741740	Gmdrm	hypo	CHG	-0.2766
Gm12	38747593	38747684	Gmdrm	hypo	CHG	-0.6
Gm12	38748874	38748958	Gmdrm	hypo	CHG	-0.31
Gm12	38751106	38751292	Gmdrm	hypo	CHG	-0.6043
Gm12	38754318	38754731	Gmdrm	hypo	CHG	-0.4162
Gm12	38759468	38759607	Gmdrm	hypo	CHG	-0.3645
Gm12	38759813	38760276	Gmdrm	hypo	CHG	-0.5327
Gm12	38765172	38765216	Gmdrm	hypo	CHG	-0.3887
Gm12	38771889	38772121	Gmdrm	hypo	CHG	-0.045
Gm12	38784361	38784536	Gmdrm	hypo	CHG	-0.585
Gm12	38798832	38799129	Gmdrm	hypo	CHG	-0.0329
Gm12	38808793	38808870	Gmdrm	hypo	CHG	-0.115
Gm12	38813515	38814017	Gmdrm	hypo	CHG	-0.0321
Gm12	38824308	38824454	Gmdrm	hypo	CHG	-0.7989
Gm12	38866731	38866849	Gmdrm	hypo	CHG	-0.0371
Gm12	38871219	38871311	Gmdrm	hypo	CHG	-0.8417
Gm12	38906634	38906895	Gmdrm	hypo	CHG	-0.8857
Gm12	38907039	38907248	Gmdrm	hypo	CHG	-0.754
Gm12	38907370	38907389	Gmdrm	hypo	CHG	-0.118
Gm12	38917975	38918222	Gmdrm	hypo	CHG	-0.043
Gm12	38941276	38941381	Gmdrm	hypo	CHG	-0.7817
Gm12	38941566	38941924	Gmdrm	hypo	CHG	-0.462
Gm12	38954417	38954551	Gmdrm	hypo	CHG	-0.0429
Gm12	38979086	38979256	Gmdrm	hypo	CHG	-0.794
Gm12	39002875	39003252	Gmdrm	hypo	CHG	-0.2639
Gm12	39019574	39019714	Gmdrm	hypo	CHG	-0.7029
Gm12	39019883	39020107	Gmdrm	hypo	CHG	-0.4885
Gm12	39026936	39027089	Gmdrm	hypo	CHG	-0.032
Gm12	39031285	39031342	Gmdrm	hypo	CHG	-0.054
Gm12	39052214	39052564	Gmdrm	hypo	CHG	-0.789
Gm12	39072560	39072773	Gmdrm	hypo	CHG	-0.04
Gm12	39102804	39102988	Gmdrm	hypo	CHG	-0.065
Gm12	39103259	39103649	Gmdrm	hypo	CHG	-0.32
Gm12	39108840	39109004	Gmdrm	hypo	CHG	-0.446
Gm12	39109903	39110072	Gmdrm	hypo	CHG	-0.2566
Gm12	39111540	39111627	Gmdrm	hypo	CHG	-0.245
Gm12	39112058	39112849	Gmdrm	hypo	CHG	-0.5629

Gm12	39131058	39131165	Gmdrm	hypo	CHG	-0.42
Gm12	39131493	39131644	Gmdrm	hypo	CHG	-0.4626
Gm12	39148164	39148456	Gmdrm	hypo	CHG	-0.6107
Gm12	39168692	39168857	Gmdrm	hypo	CHG	-0.095
Gm12	39171662	39171855	Gmdrm	hypo	CHG	-0.44
Gm12	39173081	39173552	Gmdrm	hypo	CHG	-0.754
Gm12	39181504	39181954	Gmdrm	hypo	CHG	-0.432
Gm12	39196107	39196283	Gmdrm	hypo	CHG	-0.1889
Gm12	39196921	39197019	Gmdrm	hypo	CHG	-0.0983
Gm12	39211353	39211784	Gmdrm	hypo	CHG	-0.5374
Gm12	39224872	39224975	Gmdrm	hypo	CHG	-0.0314
Gm12	39229527	39229558	Gmdrm	hypo	CHG	-0.6383
Gm12	39230875	39231033	Gmdrm	hypo	CHG	-0.3714
Gm12	39233510	39233672	Gmdrm	hypo	CHG	-0.058
Gm12	39238656	39239182	Gmdrm	hypo	CHG	-0.2947
Gm12	39240260	39240339	Gmdrm	hypo	CHG	-0.06
Gm12	39240565	39240739	Gmdrm	hypo	CHG	-0.525
Gm12	39241015	39241177	Gmdrm	hypo	CHG	-0.3787
Gm12	39321012	39321202	Gmdrm	hypo	CHG	-0.0617
Gm12	39321836	39322098	Gmdrm	hypo	CHG	-0.0617
Gm12	39330308	39330366	Gmdrm	hypo	CHG	-0.4433
Gm12	39354432	39354623	Gmdrm	hypo	CHG	-0.04
Gm12	39357259	39357822	Gmdrm	hypo	CHG	-0.7189
Gm12	39360375	39360612	Gmdrm	hypo	CHG	-0.6684
Gm12	39366000	39366431	Gmdrm	hypo	CHG	-0.4135
Gm12	39372185	39372245	Gmdrm	hypo	CHG	-0.0663
Gm12	39463707	39463864	Gmdrm	hypo	CHG	-0.0489
Gm12	39479032	39479249	Gmdrm	hypo	CHG	-0.3909
Gm12	39479402	39479704	Gmdrm	hypo	CHG	-0.4837
Gm12	39505896	39506113	Gmdrm	hypo	CHG	-0.0312
Gm12	39506455	39506584	Gmdrm	hypo	CHG	-0.448
Gm12	39508580	39508896	Gmdrm	hypo	CHG	-0.3343
Gm12	39518761	39518812	Gmdrm	hypo	CHG	-0.8733
Gm12	39550168	39550274	Gmdrm	hypo	CHG	-0.088
Gm12	39576445	39576619	Gmdrm	hypo	CHG	-0.462
Gm12	39583158	39583441	Gmdrm	hypo	CHG	-0.824
Gm12	39583650	39583730	Gmdrm	hypo	CHG	-0.8162
Gm12	39584773	39584850	Gmdrm	hypo	CHG	-0.3867
Gm12	39587626	39587701	Gmdrm	hypo	CHG	-0.1271
Gm12	39612116	39612261	Gmdrm	hypo	CHG	-0.0383
Gm12	39627749	39628114	Gmdrm	hypo	CHG	-0.8858
Gm12	39633945	39633977	Gmdrm	hypo	CHG	-0.186
Gm12	39637280	39637390	Gmdrm	hypo	CHG	-0.832
Gm12	39653644	39653783	Gmdrm	hypo	CHG	-0.055
Gm12	39656321	39656559	Gmdrm	hypo	CHG	-0.5963
Gm12	39657027	39657315	Gmdrm	hypo	CHG	-0.4173

Gm12	39657458	39657818	Gmdrm	hypo	CHG	-0.04
Gm12	39667287	39667475	Gmdrm	hypo	CHG	-0.5428
Gm12	39668507	39668716	Gmdrm	hypo	CHG	-0.2983
Gm12	39685648	39685854	Gmdrm	hypo	CHG	-0.056
Gm12	39689716	39689856	Gmdrm	hypo	CHG	-0.7461
Gm12	39692307	39692471	Gmdrm	hypo	CHG	-0.4615
Gm12	39693109	39693201	Gmdrm	hypo	CHG	-0.1983
Gm12	39708777	39708944	Gmdrm	hypo	CHG	-0.04
Gm12	39711717	39711892	Gmdrm	hypo	CHG	-0.8122
Gm12	39720039	39720153	Gmdrm	hypo	CHG	-0.7175
Gm12	39729554	39729806	Gmdrm	hypo	CHG	-0.5934
Gm12	39730056	39730322	Gmdrm	hypo	CHG	-0.58
Gm12	39745695	39746195	Gmdrm	hypo	CHG	-0.0381
Gm12	39749056	39749180	Gmdrm	hypo	CHG	-0.2925
Gm12	39750023	39750147	Gmdrm	hypo	CHG	-0.59
Gm12	39755561	39755769	Gmdrm	hypo	CHG	-0.6788
Gm12	39755888	39755970	Gmdrm	hypo	CHG	-0.6417
Gm12	39765236	39765436	Gmdrm	hypo	CHG	-0.376
Gm12	39765955	39766315	Gmdrm	hypo	CHG	-0.03
Gm12	39786673	39786974	Gmdrm	hypo	CHG	-0.3346
Gm12	39789233	39789361	Gmdrm	hypo	CHG	-0.129
Gm12	39793454	39793556	Gmdrm	hypo	CHG	-0.5243
Gm12	39796323	39796388	Gmdrm	hypo	CHG	-0.6675
Gm12	39802393	39802744	Gmdrm	hypo	CHG	-0.8185
Gm12	39804886	39805125	Gmdrm	hypo	CHG	-0.3273
Gm12	39841819	39841899	Gmdrm	hypo	CHG	-0.028
Gm12	39852613	39852718	Gmdrm	hypo	CHG	-0.67
Gm12	39858744	39858777	Gmdrm	hypo	CHG	-0.844
Gm12	39859294	39859575	Gmdrm	hypo	CHG	-0.6069
Gm12	39861910	39862188	Gmdrm	hypo	CHG	-0.83
Gm12	39883781	39883959	Gmdrm	hypo	CHG	-0.0266
Gm12	39897906	39897945	Gmdrm	hypo	CHG	-0.6486
Gm12	39926906	39927196	Gmdrm	hypo	CHG	-0.3593
Gm12	39970548	39970647	Gmdrm	hypo	CHG	-0.616
Gm12	39970819	39970896	Gmdrm	hypo	CHG	-0.898
Gm12	39975561	39975665	Gmdrm	hypo	CHG	-0.0743
Gm12	39978357	39978857	Gmdrm	hypo	CHG	-0.4125
Gm12	39979045	39979176	Gmdrm	hypo	CHG	-0.6714
Gm12	39982743	39982897	Gmdrm	hypo	CHG	-0.4538
Gm12	39991517	39991576	Gmdrm	hypo	CHG	-0.902
Gm12	39991761	39991795	Gmdrm	hypo	CHG	-0.8833
Gm12	40002839	40003059	Gmdrm	hypo	CHG	-0.9227
Gm12	40007246	40007698	Gmdrm	hypo	CHG	-0.2994
Gm12	40015674	40015952	Gmdrm	hypo	CHG	-0.404
Gm12	40016129	40016836	Gmdrm	hypo	CHG	-0.3071
Gm12	40032455	40032562	Gmdrm	hypo	CHG	-0.038

Gm12	40036060	40036313 Gmdrm	hypo	CHG	-0.2264
Gm12	40036428	40036598 Gmdrm	hypo	CHG	-0.1729
Gm12	40076100	40076316 Gmdrm	hypo	CHG	-0.8075
Gm12	40101153	40101359 Gmdrm	hypo	CHG	-0.7685
Gm12	40105655	40105815 Gmdrm	hypo	CHG	-0.1632
Gm12	40107491	40107829 Gmdrm	hypo	CHG	-0.588
Gm12	40108007	40108123 Gmdrm	hypo	CHG	-0.8922
Gm12	40126437	40126845 Gmdrm	hypo	CHG	-0.5
Gm12	40127240	40127424 Gmdrm	hypo	CHG	-0.8183
Gm12	40131069	40131338 Gmdrm	hypo	CHG	-0.03
Gm12	40138796	40138862 Gmdrm	hypo	CHG	-0.0588
Gm12	40156246	40156266 Gmdrm	hypo	CHG	-0.0933
Gm12	40172765	40173765 Gmdrm	hypo	CHG	-0.1568
Gm12	40180426	40180493 Gmdrm	hypo	CHG	-0.184
Gm12	40187085	40187231 Gmdrm	hypo	CHG	-0.0617
Gm12	40206888	40206961 Gmdrm	hypo	CHG	-0.5383
Gm12	40212389	40212912 Gmdrm	hypo	CHG	-0.4595
Gm12	40215989	40216279 Gmdrm	hypo	CHG	-0.7918
Gm12	40216513	40216630 Gmdrm	hypo	CHG	-0.3729
Gm12	40244004	40244050 Gmdrm	hypo	CHG	-0.9267
Gm12	40261863	40262006 Gmdrm	hypo	CHG	-0.94
Gm12	40275166	40275204 Gmdrm	hypo	CHG	-0.5517
Gm12	40275307	40275467 Gmdrm	hypo	CHG	-0.5262
Gm12	40288844	40288955 Gmdrm	hypo	CHG	-0.6783
Gm12	40298701	40298883 Gmdrm	hypo	CHG	-0.8372
Gm12	40299266	40299490 Gmdrm	hypo	CHG	-0.88
Gm12	40311633	40311872 Gmdrm	hypo	CHG	-0.0778
Gm12	40332630	40332773 Gmdrm	hypo	CHG	-0.795
Gm12	40333022	40333168 Gmdrm	hypo	CHG	-0.7188
Gm12	40369525	40369602 Gmdrm	hypo	CHG	-0.8817
Gm12	40377717	40377744 Gmdrm	hypo	CHG	-0.542
Gm12	40393597	40393750 Gmdrm	hypo	CHG	-0.0272
Gm12	40397571	40397692 Gmdrm	hypo	CHG	-0.2771
Gm12	40413977	40414351 Gmdrm	hypo	CHG	-0.0322
Gm12	40438826	40438929 Gmdrm	hypo	CHG	-0.4062
Gm12	40444598	40444697 Gmdrm	hypo	CHG	-0.8014
Gm12	40444857	40445011 Gmdrm	hypo	CHG	-0.5711
Gm12	40481399	40481926 Gmdrm	hypo	CHG	-0.3169
Gm12	40489672	40489865 Gmdrm	hypo	CHG	-0.4771
Gm12	40496489	40496714 Gmdrm	hypo	CHG	-0.6526
Gm12	40501710	40501978 Gmdrm	hypo	CHG	-0.084
Gm12	40512966	40513321 Gmdrm	hypo	CHG	-0.21
Gm12	40515849	40516018 Gmdrm	hypo	CHG	-0.9366
Gm12	40516172	40516541 Gmdrm	hypo	CHG	-0.7358
Gm12	40517028	40517164 Gmdrm	hypo	CHG	-0.4917
Gm12	40552742	40552954 Gmdrm	hypo	CHG	-0.8174

Gm12	40571221	40571356	Gmdrm	hypo	CHG	-0.7929
Gm12	40573491	40573648	Gmdrm	hypo	CHG	-0.58
Gm12	40582896	40583035	Gmdrm	hypo	CHG	-0.778
Gm12	40618592	40618628	Gmdrm	hypo	CHG	-0.705
Gm12	40619419	40619891	Gmdrm	hypo	CHG	-0.073
Gm12	40620128	40620373	Gmdrm	hypo	CHG	-0.8346
Gm12	40620624	40621337	Gmdrm	hypo	CHG	-0.64
Gm12	40621451	40621559	Gmdrm	hypo	CHG	-0.5313
Gm12	40621728	40621825	Gmdrm	hypo	CHG	-0.6886
Gm12	40649050	40649086	Gmdrm	hypo	CHG	-0.5816
Gm12	40650534	40650931	Gmdrm	hypo	CHG	-0.2393
Gm12	40651081	40651786	Gmdrm	hypo	CHG	-0.418
Gm12	40651900	40652007	Gmdrm	hypo	CHG	-0.5087
Gm12	40655914	40656417	Gmdrm	hypo	CHG	-0.695
Gm12	40663192	40663541	Gmdrm	hypo	CHG	-0.0383
Gm12	40667923	40668171	Gmdrm	hypo	CHG	-0.051
Gm12	40692105	40692158	Gmdrm	hypo	CHG	-0.6917
Gm12	40707248	40707342	Gmdrm	hypo	CHG	-0.3213
Gm12	40730799	40730927	Gmdrm	hypo	CHG	-0.7317
Gm12	40731178	40731282	Gmdrm	hypo	CHG	-0.766
Gm12	40741269	40741386	Gmdrm	hypo	CHG	-0.098
Gm12	40745020	40745245	Gmdrm	hypo	CHG	-0.5518
Gm12	40745565	40745731	Gmdrm	hypo	CHG	-0.317
Gm12	40767687	40767909	Gmdrm	hypo	CHG	-0.064
Gm12	40780215	40780406	Gmdrm	hypo	CHG	-0.7969
Gm12	40781943	40782866	Gmdrm	hypo	CHG	-0.3797
Gm12	40788964	40789184	Gmdrm	hypo	CHG	-0.68
Gm12	40858759	40859066	Gmdrm	hypo	CHG	-0.618
Gm12	40872494	40872952	Gmdrm	hypo	CHG	-0.4325
Gm12	40905494	40905543	Gmdrm	hypo	CHG	-0.03
Gm12	40923748	40923823	Gmdrm	hypo	CHG	-0.065
Gm12	40948271	40948421	Gmdrm	hypo	CHG	-0.0443
Gm12	40967845	40968123	Gmdrm	hypo	CHG	-0.8121
Gm12	40972121	40972147	Gmdrm	hypo	CHG	-0.4686
Gm12	40985690	40986140	Gmdrm	hypo	CHG	-0.0345
Gm12	40987967	40988131	Gmdrm	hypo	CHG	-0.0633
Gm12	40993158	40993440	Gmdrm	hypo	CHG	-0.05
Gm12	40997746	40997827	Gmdrm	hypo	CHG	-0.0533
Gm12	41013629	41013665	Gmdrm	hypo	CHG	-0.1084
Gm12	41045488	41045544	Gmdrm	hypo	CHG	-0.05
Gm12	41073013	41073217	Gmdrm	hypo	CHG	-0.7991
Gm12	41114705	41114831	Gmdrm	hypo	CHG	-0.2043
Gm12	41115055	41115242	Gmdrm	hypo	CHG	-0.4487
Gm12	41115893	41116388	Gmdrm	hypo	CHG	-0.6463
Gm12	41116557	41116760	Gmdrm	hypo	CHG	-0.5039
Gm12	41116903	41117128	Gmdrm	hypo	CHG	-0.2911

Gm12	41119952	41120116 Gmdrm	hypo	CHG	-0.0525
Gm12	41120418	41120576 Gmdrm	hypo	CHG	-0.8036
Gm12	41125178	41125335 Gmdrm	hypo	CHG	-0.048
Gm12	41130946	41131119 Gmdrm	hypo	CHG	-0.2317
Gm12	41139511	41139611 Gmdrm	hypo	CHG	-0.1333
Gm12	41140381	41140569 Gmdrm	hypo	CHG	-0.6157
Gm12	41145666	41145962 Gmdrm	hypo	CHG	-0.1074
Gm12	41166937	41167026 Gmdrm	hypo	CHG	-0.6955
Gm12	41168931	41169410 Gmdrm	hypo	CHG	-0.5839
Gm12	41180547	41180763 Gmdrm	hypo	CHG	-0.6394
Gm12	41181000	41181059 Gmdrm	hypo	CHG	-0.908
Gm12	41187602	41187719 Gmdrm	hypo	CHG	-0.382
Gm12	41198383	41198527 Gmdrm	hypo	CHG	-0.3709
Gm12	41212733	41212913 Gmdrm	hypo	CHG	-0.0543
Gm12	41228691	41229037 Gmdrm	hypo	CHG	-0.1762
Gm12	41236177	41236327 Gmdrm	hypo	CHG	-0.03
Gm12	41236547	41236693 Gmdrm	hypo	CHG	-0.431
Gm12	41243648	41243806 Gmdrm	hypo	CHG	-0.1644
Gm12	41244433	41244583 Gmdrm	hypo	CHG	-0.135
Gm12	41306056	41306274 Gmdrm	hypo	CHG	-0.31
Gm12	41306413	41306976 Gmdrm	hypo	CHG	-0.2803
Gm12	41337974	41338039 Gmdrm	hypo	CHG	-0.1633
Gm12	41340187	41340483 Gmdrm	hypo	CHG	-0.0895
Gm12	41345786	41345826 Gmdrm	hypo	CHG	-0.1883
Gm12	41361090	41361186 Gmdrm	hypo	CHG	-0.4872
Gm12	41368572	41368733 Gmdrm	hypo	CHG	-0.0483
Gm12	41385682	41385732 Gmdrm	hypo	CHG	-0.3917
Gm12	41388495	41388581 Gmdrm	hypo	CHG	-0.7455
Gm12	41412973	41413320 Gmdrm	hypo	CHG	-0.0623
Gm12	41442413	41442499 Gmdrm	hypo	CHG	-0.1014
Gm12	41446087	41446351 Gmdrm	hypo	CHG	-0.1434
Gm12	41448300	41448671 Gmdrm	hypo	CHG	-0.5861
Gm12	41450287	41450383 Gmdrm	hypo	CHG	-0.6333
Gm12	41457991	41458157 Gmdrm	hypo	CHG	-0.0278
Gm12	41488461	41488767 Gmdrm	hypo	CHG	-0.44
Gm12	41488895	41489078 Gmdrm	hypo	CHG	-0.6289
Gm12	41489208	41489254 Gmdrm	hypo	CHG	-0.602
Gm12	41490236	41490419 Gmdrm	hypo	CHG	-0.292
Gm12	41503764	41503956 Gmdrm	hypo	CHG	-0.0275
Gm12	41513969	41514038 Gmdrm	hypo	CHG	-0.8238
Gm12	41514291	41514867 Gmdrm	hypo	CHG	-0.6406
Gm12	41516537	41516874 Gmdrm	hypo	CHG	-0.0244
Gm12_scaffol	12501	12671 Gmdrm	hypo	CHG	-0.052
Gm13	174231	174401 Gmdrm	hypo	CHG	-0.3425
Gm13	181808	182371 Gmdrm	hypo	CHG	-0.2048
Gm13	184708	184779 Gmdrm	hypo	CHG	-0.106

Gm13	239852	239930 Gmdrm	hypo	CHG	-0.1049
Gm13	241022	241394 Gmdrm	hypo	CHG	-0.1765
Gm13	249000	249252 Gmdrm	hypo	CHG	-0.2933
Gm13	252012	252358 Gmdrm	hypo	CHG	-0.2726
Gm13	252496	252736 Gmdrm	hypo	CHG	-0.2237
Gm13	255251	255502 Gmdrm	hypo	CHG	-0.7663
Gm13	338008	338967 Gmdrm	hypo	CHG	-0.3871
Gm13	340627	340787 Gmdrm	hypo	CHG	-0.4423
Gm13	412251	412295 Gmdrm	hypo	CHG	-0.3457
Gm13	512698	512772 Gmdrm	hypo	CHG	-0.76
Gm13	536381	536545 Gmdrm	hypo	CHG	-0.4544
Gm13	575984	576243 Gmdrm	hypo	CHG	-0.168
Gm13	605128	605243 Gmdrm	hypo	CHG	-0.3038
Gm13	627446	627748 Gmdrm	hypo	CHG	-0.0429
Gm13	630658	630816 Gmdrm	hypo	CHG	-0.1562
Gm13	635379	635564 Gmdrm	hypo	CHG	-0.672
Gm13	654082	654319 Gmdrm	hypo	CHG	-0.3881
Gm13	654665	654983 Gmdrm	hypo	CHG	-0.7386
Gm13	670428	670702 Gmdrm	hypo	CHG	-0.0257
Gm13	672157	672515 Gmdrm	hypo	CHG	-0.5625
Gm13	676297	676444 Gmdrm	hypo	CHG	-0.735
Gm13	676774	677030 Gmdrm	hypo	CHG	-0.4763
Gm13	694446	694579 Gmdrm	hypo	CHG	-0.2772
Gm13	700747	700961 Gmdrm	hypo	CHG	-0.236
Gm13	702571	702592 Gmdrm	hypo	CHG	-0.8183
Gm13	702711	702792 Gmdrm	hypo	CHG	-0.4666
Gm13	707448	707650 Gmdrm	hypo	CHG	-0.8781
Gm13	730503	730694 Gmdrm	hypo	CHG	-0.4075
Gm13	760395	760484 Gmdrm	hypo	CHG	-0.4289
Gm13	760587	760762 Gmdrm	hypo	CHG	-0.2261
Gm13	761015	761189 Gmdrm	hypo	CHG	-0.368
Gm13	782939	783079 Gmdrm	hypo	CHG	-0.0625
Gm13	783184	783596 Gmdrm	hypo	CHG	-0.2165
Gm13	786586	786921 Gmdrm	hypo	CHG	-0.7418
Gm13	796349	796762 Gmdrm	hypo	CHG	-0.1307
Gm13	815025	815216 Gmdrm	hypo	CHG	-0.4886
Gm13	815457	815571 Gmdrm	hypo	CHG	-0.6577
Gm13	823888	823968 Gmdrm	hypo	CHG	-0.428
Gm13	824072	824128 Gmdrm	hypo	CHG	-0.526
Gm13	841487	841693 Gmdrm	hypo	CHG	-0.3183
Gm13	841841	842056 Gmdrm	hypo	CHG	-0.3108
Gm13	842473	842601 Gmdrm	hypo	CHG	-0.3476
Gm13	844043	844309 Gmdrm	hypo	CHG	-0.2178
Gm13	844471	844743 Gmdrm	hypo	CHG	-0.3069
Gm13	844846	845209 Gmdrm	hypo	CHG	-0.325
Gm13	845346	845666 Gmdrm	hypo	CHG	-0.5912

Gm13	845949	846300	Gmdrm	hypo	CHG	-0.0923
Gm13	847136	847578	Gmdrm	hypo	CHG	-0.35
Gm13	847750	847973	Gmdrm	hypo	CHG	-0.4
Gm13	849594	849777	Gmdrm	hypo	CHG	-0.3357
Gm13	850184	850483	Gmdrm	hypo	CHG	-0.3108
Gm13	850674	850825	Gmdrm	hypo	CHG	-0.4357
Gm13	852006	852112	Gmdrm	hypo	CHG	-0.4487
Gm13	852597	853176	Gmdrm	hypo	CHG	-0.2265
Gm13	853285	854024	Gmdrm	hypo	CHG	-0.2252
Gm13	854157	854381	Gmdrm	hypo	CHG	-0.4886
Gm13	862251	862499	Gmdrm	hypo	CHG	-0.4743
Gm13	883200	883228	Gmdrm	hypo	CHG	-0.384
Gm13	884157	884382	Gmdrm	hypo	CHG	-0.475
Gm13	900949	901000	Gmdrm	hypo	CHG	-0.2725
Gm13	920796	920873	Gmdrm	hypo	CHG	-0.5415
Gm13	921711	921802	Gmdrm	hypo	CHG	-0.2829
Gm13	926350	926594	Gmdrm	hypo	CHG	-0.5125
Gm13	957403	957514	Gmdrm	hypo	CHG	-0.1791
Gm13	988525	988583	Gmdrm	hypo	CHG	-0.295
Gm13	999752	1000285	Gmdrm	hypo	CHG	-0.4351
Gm13	1001427	1001731	Gmdrm	hypo	CHG	-0.3225
Gm13	1007167	1007402	Gmdrm	hypo	CHG	-0.7116
Gm13	1047137	1047263	Gmdrm	hypo	CHG	-0.5687
Gm13	1049055	1049144	Gmdrm	hypo	CHG	-0.5928
Gm13	1092332	1092579	Gmdrm	hypo	CHG	-0.0908
Gm13	1149257	1149682	Gmdrm	hypo	CHG	-0.5876
Gm13	1150033	1150122	Gmdrm	hypo	CHG	-0.65
Gm13	1150357	1150424	Gmdrm	hypo	CHG	-0.1717
Gm13	1190014	1190273	Gmdrm	hypo	CHG	-0.59
Gm13	1204142	1204470	Gmdrm	hypo	CHG	-0.09
Gm13	1207525	1207870	Gmdrm	hypo	CHG	-0.0372
Gm13	1217012	1217335	Gmdrm	hypo	CHG	-0.255
Gm13	1298719	1299135	Gmdrm	hypo	CHG	-0.6231
Gm13	1299240	1299488	Gmdrm	hypo	CHG	-0.528
Gm13	1319444	1319545	Gmdrm	hypo	CHG	-0.2629
Gm13	1319912	1320639	Gmdrm	hypo	CHG	-0.3419
Gm13	1355286	1355384	Gmdrm	hypo	CHG	-0.27
Gm13	1429092	1429342	Gmdrm	hypo	CHG	-0.1264
Gm13	1433718	1433981	Gmdrm	hypo	CHG	-0.06
Gm13	1496463	1496522	Gmdrm	hypo	CHG	-0.3272
Gm13	1496671	1496786	Gmdrm	hypo	CHG	-0.55
Gm13	1499652	1499839	Gmdrm	hypo	CHG	-0.6907
Gm13	1517098	1517224	Gmdrm	hypo	CHG	-0.3877
Gm13	1517332	1517515	Gmdrm	hypo	CHG	-0.7267
Gm13	1814953	1815042	Gmdrm	hypo	CHG	-0.0933
Gm13	1854288	1854456	Gmdrm	hypo	CHG	-0.0417

Gm13	1854592	1854865	Gmdrm	hypo	CHG	-0.1547
Gm13	1892248	1892450	Gmdrm	hypo	CHG	-0.2672
Gm13	1899866	1899982	Gmdrm	hypo	CHG	-0.3966
Gm13	1900126	1900758	Gmdrm	hypo	CHG	-0.1113
Gm13	1949229	1949638	Gmdrm	hypo	CHG	-0.2079
Gm13	1959124	1959193	Gmdrm	hypo	CHG	-0.49
Gm13	1959355	1959469	Gmdrm	hypo	CHG	-0.692
Gm13	1968054	1968586	Gmdrm	hypo	CHG	-0.2015
Gm13	1987285	1987412	Gmdrm	hypo	CHG	-0.68
Gm13	1987849	1988025	Gmdrm	hypo	CHG	-0.66
Gm13	1992797	1992900	Gmdrm	hypo	CHG	-0.322
Gm13	2026694	2026817	Gmdrm	hypo	CHG	-0.5371
Gm13	2042357	2042432	Gmdrm	hypo	CHG	-0.7862
Gm13	2044798	2044843	Gmdrm	hypo	CHG	-0.5314
Gm13	2046165	2046361	Gmdrm	hypo	CHG	-0.3386
Gm13	2062334	2062608	Gmdrm	hypo	CHG	-0.0328
Gm13	2109104	2109424	Gmdrm	hypo	CHG	-0.4911
Gm13	2110137	2110321	Gmdrm	hypo	CHG	-0.31
Gm13	2110641	2110794	Gmdrm	hypo	CHG	-0.2143
Gm13	2113342	2113530	Gmdrm	hypo	CHG	-0.291
Gm13	2118638	2118737	Gmdrm	hypo	CHG	-0.4875
Gm13	2118910	2119662	Gmdrm	hypo	CHG	-0.7063
Gm13	2119854	2120541	Gmdrm	hypo	CHG	-0.2411
Gm13	2120719	2121040	Gmdrm	hypo	CHG	-0.0443
Gm13	2130916	2131031	Gmdrm	hypo	CHG	-0.4416
Gm13	2218126	2218291	Gmdrm	hypo	CHG	-0.5034
Gm13	2235604	2235667	Gmdrm	hypo	CHG	-0.3351
Gm13	2247036	2247052	Gmdrm	hypo	CHG	-0.85
Gm13	2337926	2338069	Gmdrm	hypo	CHG	-0.465
Gm13	2446520	2446951	Gmdrm	hypo	CHG	-0.7869
Gm13	2499846	2500011	Gmdrm	hypo	CHG	-0.1419
Gm13	2536818	2537005	Gmdrm	hypo	CHG	-0.306
Gm13	2537253	2537393	Gmdrm	hypo	CHG	-0.6264
Gm13	2544211	2545211	Gmdrm	hypo	CHG	-0.3937
Gm13	2545213	2546088	Gmdrm	hypo	CHG	-0.3991
Gm13	2570484	2570599	Gmdrm	hypo	CHG	-0.652
Gm13	2574023	2574332	Gmdrm	hypo	CHG	-0.5536
Gm13	2574894	2575007	Gmdrm	hypo	CHG	-0.2488
Gm13	2577004	2577344	Gmdrm	hypo	CHG	-0.4995
Gm13	2581990	2582414	Gmdrm	hypo	CHG	-0.4027
Gm13	2612789	2613129	Gmdrm	hypo	CHG	-0.6656
Gm13	2617709	2617812	Gmdrm	hypo	CHG	-0.7
Gm13	2618164	2618757	Gmdrm	hypo	CHG	-0.1324
Gm13	2628470	2628650	Gmdrm	hypo	CHG	-0.6285
Gm13	2629788	2630128	Gmdrm	hypo	CHG	-0.7285
Gm13	2639797	2639830	Gmdrm	hypo	CHG	-0.825

Gm13	2641118	2641293	Gmdrm	hypo	CHG	-0.4323
Gm13	2641446	2641632	Gmdrm	hypo	CHG	-0.6811
Gm13	2641849	2642332	Gmdrm	hypo	CHG	-0.2796
Gm13	2654688	2654774	Gmdrm	hypo	CHG	-0.56
Gm13	2654907	2655179	Gmdrm	hypo	CHG	-0.536
Gm13	2655409	2655608	Gmdrm	hypo	CHG	-0.5743
Gm13	2661187	2661310	Gmdrm	hypo	CHG	-0.5715
Gm13	2663582	2663866	Gmdrm	hypo	CHG	-0.9665
Gm13	2675338	2675480	Gmdrm	hypo	CHG	-0.0544
Gm13	2707059	2707210	Gmdrm	hypo	CHG	-0.2
Gm13	2709139	2709289	Gmdrm	hypo	CHG	-0.3787
Gm13	2709401	2709635	Gmdrm	hypo	CHG	-0.261
Gm13	2715425	2715603	Gmdrm	hypo	CHG	-0.51
Gm13	2715847	2715934	Gmdrm	hypo	CHG	-0.35
Gm13	2716114	2716406	Gmdrm	hypo	CHG	-0.1008
Gm13	2718165	2718268	Gmdrm	hypo	CHG	-0.2567
Gm13	2744599	2744826	Gmdrm	hypo	CHG	-0.3375
Gm13	2745079	2745283	Gmdrm	hypo	CHG	-0.4357
Gm13	2774094	2774537	Gmdrm	hypo	CHG	-0.73
Gm13	2785294	2785447	Gmdrm	hypo	CHG	-0.435
Gm13	2797904	2798854	Gmdrm	hypo	CHG	-0.106
Gm13	2816178	2816258	Gmdrm	hypo	CHG	-0.5456
Gm13	2816372	2816590	Gmdrm	hypo	CHG	-0.58
Gm13	2818178	2818278	Gmdrm	hypo	CHG	-0.45
Gm13	2819724	2819760	Gmdrm	hypo	CHG	-0.5683
Gm13	2820559	2820862	Gmdrm	hypo	CHG	-0.4567
Gm13	2823224	2823466	Gmdrm	hypo	CHG	-0.2872
Gm13	2823700	2823767	Gmdrm	hypo	CHG	-0.75
Gm13	2825742	2825898	Gmdrm	hypo	CHG	-0.3723
Gm13	2866054	2866401	Gmdrm	hypo	CHG	-0.497
Gm13	2868412	2868765	Gmdrm	hypo	CHG	-0.6426
Gm13	2876376	2876693	Gmdrm	hypo	CHG	-0.2346
Gm13	2891641	2891767	Gmdrm	hypo	CHG	-0.67
Gm13	2891902	2891994	Gmdrm	hypo	CHG	-0.8683
Gm13	2892180	2892232	Gmdrm	hypo	CHG	-0.712
Gm13	2893155	2893640	Gmdrm	hypo	CHG	-0.3333
Gm13	2911299	2911613	Gmdrm	hypo	CHG	-0.3207
Gm13	2935858	2936105	Gmdrm	hypo	CHG	-0.7157
Gm13	2938104	2938226	Gmdrm	hypo	CHG	-0.75
Gm13	2950984	2951196	Gmdrm	hypo	CHG	-0.6
Gm13	3070704	3071063	Gmdrm	hypo	CHG	-0.2912
Gm13	3071750	3072047	Gmdrm	hypo	CHG	-0.5006
Gm13	3072298	3072344	Gmdrm	hypo	CHG	-0.5714
Gm13	3167274	3167417	Gmdrm	hypo	CHG	-0.8508
Gm13	3167813	3167950	Gmdrm	hypo	CHG	-0.042
Gm13	3172861	3173324	Gmdrm	hypo	CHG	-0.2426

Gm13	3173561	3173662	Gmdrm	hypo	CHG	-0.21
Gm13	3194031	3194402	Gmdrm	hypo	CHG	-0.1463
Gm13	3219380	3219441	Gmdrm	hypo	CHG	-0.426
Gm13	3238856	3239213	Gmdrm	hypo	CHG	-0.252
Gm13	3240437	3241392	Gmdrm	hypo	CHG	-0.115
Gm13	3241954	3241994	Gmdrm	hypo	CHG	-0.4683
Gm13	3250845	3251222	Gmdrm	hypo	CHG	-0.2656
Gm13	3251606	3251778	Gmdrm	hypo	CHG	-0.3066
Gm13	3253210	3254144	Gmdrm	hypo	CHG	-0.1494
Gm13	3254570	3254684	Gmdrm	hypo	CHG	-0.4142
Gm13	3259525	3259716	Gmdrm	hypo	CHG	-0.2791
Gm13	3262539	3263046	Gmdrm	hypo	CHG	-0.2152
Gm13	3265199	3265545	Gmdrm	hypo	CHG	-0.2746
Gm13	3267546	3267811	Gmdrm	hypo	CHG	-0.2963
Gm13	3268416	3268553	Gmdrm	hypo	CHG	-0.35
Gm13	3282822	3283404	Gmdrm	hypo	CHG	-0.1136
Gm13	3284634	3284984	Gmdrm	hypo	CHG	-0.2641
Gm13	3291979	3292928	Gmdrm	hypo	CHG	-0.0945
Gm13	3296767	3297720	Gmdrm	hypo	CHG	-0.1282
Gm13	3298878	3299671	Gmdrm	hypo	CHG	-0.1296
Gm13	3300783	3301779	Gmdrm	hypo	CHG	-0.0584
Gm13	3301823	3302115	Gmdrm	hypo	CHG	-0.1489
Gm13	3307338	3308257	Gmdrm	hypo	CHG	-0.1192
Gm13	3308565	3308956	Gmdrm	hypo	CHG	-0.125
Gm13	3309771	3310462	Gmdrm	hypo	CHG	-0.1388
Gm13	3330751	3331334	Gmdrm	hypo	CHG	-0.0763
Gm13	3331739	3331850	Gmdrm	hypo	CHG	-0.1055
Gm13	3338957	3339570	Gmdrm	hypo	CHG	-0.0655
Gm13	3373067	3373406	Gmdrm	hypo	CHG	-0.2441
Gm13	3373999	3374989	Gmdrm	hypo	CHG	-0.0758
Gm13	3379252	3380243	Gmdrm	hypo	CHG	-0.1136
Gm13	3380320	3381271	Gmdrm	hypo	CHG	-0.0739
Gm13	3381324	3381432	Gmdrm	hypo	CHG	-0.1088
Gm13	3389377	3390369	Gmdrm	hypo	CHG	-0.0584
Gm13	3395413	3396392	Gmdrm	hypo	CHG	-0.0679
Gm13	3396417	3397211	Gmdrm	hypo	CHG	-0.1433
Gm13	3401487	3401739	Gmdrm	hypo	CHG	-0.1443
Gm13	3402330	3402487	Gmdrm	hypo	CHG	-0.34
Gm13	3402785	3403072	Gmdrm	hypo	CHG	-0.2169
Gm13	3408442	3409382	Gmdrm	hypo	CHG	-0.0755
Gm13	3409483	3410450	Gmdrm	hypo	CHG	-0.0612
Gm13	3411091	3411614	Gmdrm	hypo	CHG	-0.1345
Gm13	3479360	3479833	Gmdrm	hypo	CHG	-0.1764
Gm13	3541537	3541951	Gmdrm	hypo	CHG	-0.1584
Gm13	3557084	3557398	Gmdrm	hypo	CHG	-0.2192
Gm13	3559469	3559839	Gmdrm	hypo	CHG	-0.2135

Gm13	3577878	3577975 Gmdrm	hypo	CHG	-0.1986
Gm13	3578236	3579234 Gmdrm	hypo	CHG	-0.1325
Gm13	3579242	3580236 Gmdrm	hypo	CHG	-0.1419
Gm13	3580317	3581260 Gmdrm	hypo	CHG	-0.2105
Gm13	3586391	3587236 Gmdrm	hypo	CHG	-0.2774
Gm13	3624207	3625017 Gmdrm	hypo	CHG	-0.1624
Gm13	3625135	3625390 Gmdrm	hypo	CHG	-0.2
Gm13	3625494	3626468 Gmdrm	hypo	CHG	-0.2164
Gm13	3626516	3627166 Gmdrm	hypo	CHG	-0.2798
Gm13	3628760	3629364 Gmdrm	hypo	CHG	-0.2306
Gm13	3631864	3632006 Gmdrm	hypo	CHG	-0.2408
Gm13	3635271	3635729 Gmdrm	hypo	CHG	-0.3843
Gm13	3635873	3636129 Gmdrm	hypo	CHG	-0.3408
Gm13	3636235	3636558 Gmdrm	hypo	CHG	-0.4308
Gm13	3636696	3637036 Gmdrm	hypo	CHG	-0.2045
Gm13	3639063	3639259 Gmdrm	hypo	CHG	-0.292
Gm13	3639909	3640297 Gmdrm	hypo	CHG	-0.2507
Gm13	3640436	3641213 Gmdrm	hypo	CHG	-0.2755
Gm13	3641980	3642155 Gmdrm	hypo	CHG	-0.234
Gm13	3645396	3645479 Gmdrm	hypo	CHG	-0.59
Gm13	3646217	3646418 Gmdrm	hypo	CHG	-0.3409
Gm13	3652337	3652456 Gmdrm	hypo	CHG	-0.248
Gm13	3665923	3666166 Gmdrm	hypo	CHG	-0.142
Gm13	3679566	3679765 Gmdrm	hypo	CHG	-0.4617
Gm13	3682678	3683070 Gmdrm	hypo	CHG	-0.496
Gm13	3686280	3686447 Gmdrm	hypo	CHG	-0.5234
Gm13	3719485	3719621 Gmdrm	hypo	CHG	-0.2613
Gm13	3732734	3733065 Gmdrm	hypo	CHG	-0.321
Gm13	3745876	3746050 Gmdrm	hypo	CHG	-0.3507
Gm13	3746180	3746463 Gmdrm	hypo	CHG	-0.2618
Gm13	3747070	3747242 Gmdrm	hypo	CHG	-0.2667
Gm13	3747501	3747662 Gmdrm	hypo	CHG	-0.1916
Gm13	3753461	3753570 Gmdrm	hypo	CHG	-0.1575
Gm13	3761503	3762034 Gmdrm	hypo	CHG	-0.2776
Gm13	3762860	3763232 Gmdrm	hypo	CHG	-0.3317
Gm13	3770977	3771975 Gmdrm	hypo	CHG	-0.1404
Gm13	3772307	3773299 Gmdrm	hypo	CHG	-0.1378
Gm13	3797215	3797605 Gmdrm	hypo	CHG	-0.2763
Gm13	3798038	3798181 Gmdrm	hypo	CHG	-0.2857
Gm13	3799705	3799804 Gmdrm	hypo	CHG	-0.1714
Gm13	3830926	3831510 Gmdrm	hypo	CHG	-0.2037
Gm13	3835897	3836379 Gmdrm	hypo	CHG	-0.2678
Gm13	3837589	3837861 Gmdrm	hypo	CHG	-0.3063
Gm13	3851483	3851735 Gmdrm	hypo	CHG	-0.3
Gm13	3867944	3868041 Gmdrm	hypo	CHG	-0.3157
Gm13	3875512	3875751 Gmdrm	hypo	CHG	-0.0914

Gm13	3876590	3876741 Gmdrm	hypo	CHG	-0.27
Gm13	3882514	3882904 Gmdrm	hypo	CHG	-0.3483
Gm13	3907529	3907711 Gmdrm	hypo	CHG	-0.265
Gm13	3918088	3918601 Gmdrm	hypo	CHG	-0.1459
Gm13	3924008	3924386 Gmdrm	hypo	CHG	-0.2161
Gm13	3928093	3928408 Gmdrm	hypo	CHG	-0.1489
Gm13	3929814	3930492 Gmdrm	hypo	CHG	-0.0548
Gm13	3930850	3931098 Gmdrm	hypo	CHG	-0.1725
Gm13	3936034	3936349 Gmdrm	hypo	CHG	-0.1313
Gm13	3937461	3938460 Gmdrm	hypo	CHG	-0.1027
Gm13	3942522	3942656 Gmdrm	hypo	CHG	-0.3475
Gm13	3946221	3946706 Gmdrm	hypo	CHG	-0.08
Gm13	3948814	3949708 Gmdrm	hypo	CHG	-0.2269
Gm13	3958647	3958770 Gmdrm	hypo	CHG	-0.3483
Gm13	3964090	3964210 Gmdrm	hypo	CHG	-0.312
Gm13	3971403	3971593 Gmdrm	hypo	CHG	-0.1713
Gm13	3975839	3976783 Gmdrm	hypo	CHG	-0.1318
Gm13	3977972	3978318 Gmdrm	hypo	CHG	-0.1837
Gm13	3978953	3979931 Gmdrm	hypo	CHG	-0.2252
Gm13	3996433	3996553 Gmdrm	hypo	CHG	-0.2134
Gm13	4002739	4002954 Gmdrm	hypo	CHG	-0.174
Gm13	4005310	4005985 Gmdrm	hypo	CHG	-0.1498
Gm13	4006143	4006891 Gmdrm	hypo	CHG	-0.0684
Gm13	4030707	4030766 Gmdrm	hypo	CHG	-0.3676
Gm13	4210038	4210148 Gmdrm	hypo	CHG	-0.0483
Gm13	4443265	4443397 Gmdrm	hypo	CHG	-0.7017
Gm13	4443500	4443650 Gmdrm	hypo	CHG	-0.675
Gm13	4736107	4736167 Gmdrm	hypo	CHG	-0.7617
Gm13	4770443	4770764 Gmdrm	hypo	CHG	-0.1871
Gm13	4926117	4926721 Gmdrm	hypo	CHG	-0.2288
Gm13	4933808	4934004 Gmdrm	hypo	CHG	-0.1257
Gm13	4939561	4940097 Gmdrm	hypo	CHG	-0.3647
Gm13	5072134	5073040 Gmdrm	hypo	CHG	-0.2005
Gm13	5073143	5073204 Gmdrm	hypo	CHG	-0.5817
Gm13	5103886	5104022 Gmdrm	hypo	CHG	-0.3746
Gm13	5112451	5112965 Gmdrm	hypo	CHG	-0.05
Gm13	5131569	5132470 Gmdrm	hypo	CHG	-0.3649
Gm13	5132597	5132883 Gmdrm	hypo	CHG	-0.3226
Gm13	5133216	5133733 Gmdrm	hypo	CHG	-0.2059
Gm13	5166251	5167244 Gmdrm	hypo	CHG	-0.2754
Gm13	5204719	5204968 Gmdrm	hypo	CHG	-0.275
Gm13	5205085	5205323 Gmdrm	hypo	CHG	-0.3367
Gm13	5206816	5206965 Gmdrm	hypo	CHG	-0.094
Gm13	5234673	5235190 Gmdrm	hypo	CHG	-0.1605
Gm13	5238416	5238552 Gmdrm	hypo	CHG	-0.2763
Gm13	5815689	5815945 Gmdrm	hypo	CHG	-0.4454

Gm13	5826555	5827548	Gmdrm	hypo	CHG	-0.1769
Gm13	5852967	5853750	Gmdrm	hypo	CHG	-0.1113
Gm13	5853855	5854847	Gmdrm	hypo	CHG	-0.324
Gm13	5859223	5859603	Gmdrm	hypo	CHG	-0.053
Gm13	5881597	5881721	Gmdrm	hypo	CHG	-0.0533
Gm13	5886381	5887362	Gmdrm	hypo	CHG	-0.3327
Gm13	5890827	5891518	Gmdrm	hypo	CHG	-0.2506
Gm13	5891742	5891825	Gmdrm	hypo	CHG	-0.1119
Gm13	5895034	5895166	Gmdrm	hypo	CHG	-0.0228
Gm13	5898174	5898459	Gmdrm	hypo	CHG	-0.4088
Gm13	5899031	5899163	Gmdrm	hypo	CHG	-0.336
Gm13	5901215	5901681	Gmdrm	hypo	CHG	-0.2049
Gm13	5948863	5949203	Gmdrm	hypo	CHG	-0.5237
Gm13	5949522	5949681	Gmdrm	hypo	CHG	-0.6164
Gm13	6066966	6067153	Gmdrm	hypo	CHG	-0.05
Gm13	6144370	6144612	Gmdrm	hypo	CHG	-0.8036
Gm13	6389956	6390106	Gmdrm	hypo	CHG	-0.3873
Gm13	6401449	6401633	Gmdrm	hypo	CHG	-0.3235
Gm13	6761506	6762285	Gmdrm	hypo	CHG	-0.0593
Gm13	6848190	6848375	Gmdrm	hypo	CHG	-0.3235
Gm13	6854762	6855077	Gmdrm	hypo	CHG	-0.6405
Gm13	6859091	6859159	Gmdrm	hypo	CHG	-0.53
Gm13	7655107	7655477	Gmdrm	hypo	CHG	-0.5534
Gm13	7676917	7677082	Gmdrm	hypo	CHG	-0.191
Gm13	7678796	7678964	Gmdrm	hypo	CHG	-0.068
Gm13	7823875	7824307	Gmdrm	hypo	CHG	-0.0818
Gm13	7859714	7859866	Gmdrm	hypo	CHG	-0.2217
Gm13	7925511	7925989	Gmdrm	hypo	CHG	-0.7521
Gm13	8096265	8096552	Gmdrm	hypo	CHG	-0.1312
Gm13	8096716	8096835	Gmdrm	hypo	CHG	-0.482
Gm13	8102576	8103008	Gmdrm	hypo	CHG	-0.0756
Gm13	8109966	8110063	Gmdrm	hypo	CHG	-0.6567
Gm13	8821737	8821840	Gmdrm	hypo	CHG	-0.6643
Gm13	8821950	8822061	Gmdrm	hypo	CHG	-0.514
Gm13	8822215	8822346	Gmdrm	hypo	CHG	-0.3578
Gm13	8834944	8835139	Gmdrm	hypo	CHG	-0.3971
Gm13	9080755	9080889	Gmdrm	hypo	CHG	-0.06
Gm13	9080995	9081372	Gmdrm	hypo	CHG	-0.2628
Gm13	9088822	9089505	Gmdrm	hypo	CHG	-0.3378
Gm13	9100419	9101129	Gmdrm	hypo	CHG	-0.3288
Gm13	9115355	9116180	Gmdrm	hypo	CHG	-0.2249
Gm13	9116308	9116352	Gmdrm	hypo	CHG	-0.2429
Gm13	9127089	9127886	Gmdrm	hypo	CHG	-0.339
Gm13	9139155	9139178	Gmdrm	hypo	CHG	-0.3884
Gm13	9154274	9154667	Gmdrm	hypo	CHG	-0.1226
Gm13	9155408	9155454	Gmdrm	hypo	CHG	-0.07

Gm13	9159436	9159745 Gmdrm	hypo	CHG	-0.0506
Gm13	9168361	9168843 Gmdrm	hypo	CHG	-0.4313
Gm13	9172489	9172628 Gmdrm	hypo	CHG	-0.264
Gm13	9183891	9183916 Gmdrm	hypo	CHG	-0.092
Gm13	9193173	9193219 Gmdrm	hypo	CHG	-0.2883
Gm13	9199142	9199397 Gmdrm	hypo	CHG	-0.2893
Gm13	9209004	9209138 Gmdrm	hypo	CHG	-0.3925
Gm13	9240119	9240557 Gmdrm	hypo	CHG	-0.377
Gm13	9246321	9246343 Gmdrm	hypo	CHG	-0.37
Gm13	9249272	9249435 Gmdrm	hypo	CHG	-0.21
Gm13	9255033	9255460 Gmdrm	hypo	CHG	-0.3027
Gm13	9269618	9269686 Gmdrm	hypo	CHG	-0.5767
Gm13	9275479	9275792 Gmdrm	hypo	CHG	-0.395
Gm13	9279708	9279765 Gmdrm	hypo	CHG	-0.556
Gm13	9298435	9298622 Gmdrm	hypo	CHG	-0.6592
Gm13	9298732	9299012 Gmdrm	hypo	CHG	-0.3731
Gm13	9337065	9337391 Gmdrm	hypo	CHG	-0.1127
Gm13	9349118	9349594 Gmdrm	hypo	CHG	-0.1819
Gm13	9369021	9369885 Gmdrm	hypo	CHG	-0.2173
Gm13	9371869	9372106 Gmdrm	hypo	CHG	-0.0317
Gm13	9378928	9379029 Gmdrm	hypo	CHG	-0.815
Gm13	9379506	9379584 Gmdrm	hypo	CHG	-0.716
Gm13	9380361	9380436 Gmdrm	hypo	CHG	-0.2566
Gm13	9387871	9388760 Gmdrm	hypo	CHG	-0.2796
Gm13	9415180	9415296 Gmdrm	hypo	CHG	-0.0455
Gm13	9419439	9419550 Gmdrm	hypo	CHG	-0.0383
Gm13	9425203	9425422 Gmdrm	hypo	CHG	-0.2642
Gm13	9427121	9427301 Gmdrm	hypo	CHG	-0.054
Gm13	9451100	9451246 Gmdrm	hypo	CHG	-0.06
Gm13	9504369	9504480 Gmdrm	hypo	CHG	-0.4117
Gm13	9508068	9508246 Gmdrm	hypo	CHG	-0.098
Gm13	9512151	9512246 Gmdrm	hypo	CHG	-0.3276
Gm13	9512956	9513100 Gmdrm	hypo	CHG	-0.3145
Gm13	9514163	9514316 Gmdrm	hypo	CHG	-0.5818
Gm13	9514669	9514947 Gmdrm	hypo	CHG	-0.5318
Gm13	9515975	9516090 Gmdrm	hypo	CHG	-0.52
Gm13	9516651	9516761 Gmdrm	hypo	CHG	-0.2857
Gm13	9516949	9517039 Gmdrm	hypo	CHG	-0.532
Gm13	9521554	9521688 Gmdrm	hypo	CHG	-0.6271
Gm13	9522518	9522637 Gmdrm	hypo	CHG	-0.785
Gm13	9535303	9535444 Gmdrm	hypo	CHG	-0.4144
Gm13	9535904	9536540 Gmdrm	hypo	CHG	-0.4147
Gm13	9537022	9537269 Gmdrm	hypo	CHG	-0.629
Gm13	9537709	9537807 Gmdrm	hypo	CHG	-0.336
Gm13	9540632	9541258 Gmdrm	hypo	CHG	-0.4662
Gm13	9547979	9548968 Gmdrm	hypo	CHG	-0.499

Gm13	9548985	9549114	Gmdrm	hypo	CHG	-0.6067
Gm13	9553024	9553267	Gmdrm	hypo	CHG	-0.5188
Gm13	9559658	9560186	Gmdrm	hypo	CHG	-0.48
Gm13	9584644	9584740	Gmdrm	hypo	CHG	-0.198
Gm13	9585969	9586290	Gmdrm	hypo	CHG	-0.3096
Gm13	9587657	9587905	Gmdrm	hypo	CHG	-0.05
Gm13	9589751	9589915	Gmdrm	hypo	CHG	-0.4867
Gm13	9590281	9590923	Gmdrm	hypo	CHG	-0.4631
Gm13	9591178	9591292	Gmdrm	hypo	CHG	-0.6878
Gm13	9593050	9593173	Gmdrm	hypo	CHG	-0.5267
Gm13	9597867	9598002	Gmdrm	hypo	CHG	-0.6062
Gm13	9598891	9599127	Gmdrm	hypo	CHG	-0.3943
Gm13	9603393	9603483	Gmdrm	hypo	CHG	-0.502
Gm13	9603596	9603743	Gmdrm	hypo	CHG	-0.3087
Gm13	9606189	9606530	Gmdrm	hypo	CHG	-0.385
Gm13	9606871	9607196	Gmdrm	hypo	CHG	-0.1536
Gm13	9611006	9611158	Gmdrm	hypo	CHG	-0.3
Gm13	9611521	9612357	Gmdrm	hypo	CHG	-0.4373
Gm13	9613000	9613053	Gmdrm	hypo	CHG	-0.2583
Gm13	9613489	9613506	Gmdrm	hypo	CHG	-0.16
Gm13	9619127	9619268	Gmdrm	hypo	CHG	-0.71
Gm13	9622537	9622611	Gmdrm	hypo	CHG	-0.396
Gm13	9626747	9627145	Gmdrm	hypo	CHG	-0.2983
Gm13	9629131	9629433	Gmdrm	hypo	CHG	-0.2704
Gm13	9636909	9636990	Gmdrm	hypo	CHG	-0.18
Gm13	9637459	9638100	Gmdrm	hypo	CHG	-0.1457
Gm13	9640289	9640576	Gmdrm	hypo	CHG	-0.1204
Gm13	9640735	9641351	Gmdrm	hypo	CHG	-0.2026
Gm13	9651141	9651388	Gmdrm	hypo	CHG	-0.2672
Gm13	9651592	9651631	Gmdrm	hypo	CHG	-0.1033
Gm13	9651817	9651915	Gmdrm	hypo	CHG	-0.308
Gm13	9653833	9654007	Gmdrm	hypo	CHG	-0.366
Gm13	9654125	9654521	Gmdrm	hypo	CHG	-0.5731
Gm13	9654914	9655174	Gmdrm	hypo	CHG	-0.536
Gm13	9655431	9655688	Gmdrm	hypo	CHG	-0.098
Gm13	9658070	9658330	Gmdrm	hypo	CHG	-0.6582
Gm13	9659016	9659221	Gmdrm	hypo	CHG	-0.7715
Gm13	9659397	9659580	Gmdrm	hypo	CHG	-0.364
Gm13	9659684	9659885	Gmdrm	hypo	CHG	-0.5743
Gm13	9691809	9692009	Gmdrm	hypo	CHG	-0.3334
Gm13	9714086	9714364	Gmdrm	hypo	CHG	-0.141
Gm13	9769251	9769373	Gmdrm	hypo	CHG	-0.054
Gm13	9772639	9772997	Gmdrm	hypo	CHG	-0.7341
Gm13	9793891	9793920	Gmdrm	hypo	CHG	-0.5117
Gm13	9820161	9820232	Gmdrm	hypo	CHG	-0.356
Gm13	9825944	9826235	Gmdrm	hypo	CHG	-0.6136

Gm13	9829368	9829403 Gmdrm	hypo	CHG	-0.452
Gm13	9847392	9847478 Gmdrm	hypo	CHG	-0.3384
Gm13	9847654	9847783 Gmdrm	hypo	CHG	-0.3667
Gm13	9887001	9887083 Gmdrm	hypo	CHG	-0.378
Gm13	9887441	9887520 Gmdrm	hypo	CHG	-0.56
Gm13	9901425	9901998 Gmdrm	hypo	CHG	-0.261
Gm13	9907990	9908145 Gmdrm	hypo	CHG	-0.056
Gm13	9914107	9914675 Gmdrm	hypo	CHG	-0.1067
Gm13	9930403	9930793 Gmdrm	hypo	CHG	-0.1987
Gm13	9931935	9932298 Gmdrm	hypo	CHG	-0.5738
Gm13	9932515	9932690 Gmdrm	hypo	CHG	-0.553
Gm13	9936193	9936791 Gmdrm	hypo	CHG	-0.2779
Gm13	9939852	9940017 Gmdrm	hypo	CHG	-0.4492
Gm13	9981950	9982092 Gmdrm	hypo	CHG	-0.3256
Gm13	9982358	9982375 Gmdrm	hypo	CHG	-0.75
Gm13	9984120	9984559 Gmdrm	hypo	CHG	-0.568
Gm13	9988837	9989296 Gmdrm	hypo	CHG	-0.8384
Gm13	9994832	9995123 Gmdrm	hypo	CHG	-0.824
Gm13	10029344	10029639 Gmdrm	hypo	CHG	-0.4218
Gm13	10030111	10030232 Gmdrm	hypo	CHG	-0.1589
Gm13	10031256	10032228 Gmdrm	hypo	CHG	-0.37
Gm13	10032264	10033139 Gmdrm	hypo	CHG	-0.4289
Gm13	10039350	10040348 Gmdrm	hypo	CHG	-0.1756
Gm13	10044499	10044840 Gmdrm	hypo	CHG	-0.0631
Gm13	10056244	10056292 Gmdrm	hypo	CHG	-0.345
Gm13	10060032	10060459 Gmdrm	hypo	CHG	-0.4493
Gm13	10066610	10066851 Gmdrm	hypo	CHG	-0.0445
Gm13	10111603	10111926 Gmdrm	hypo	CHG	-0.0346
Gm13	10163947	10164037 Gmdrm	hypo	CHG	-0.556
Gm13	10169788	10169914 Gmdrm	hypo	CHG	-0.7678
Gm13	10170952	10171346 Gmdrm	hypo	CHG	-0.059
Gm13	10229610	10229967 Gmdrm	hypo	CHG	-0.0614
Gm13	10233416	10233567 Gmdrm	hypo	CHG	-0.7967
Gm13	10239020	10239266 Gmdrm	hypo	CHG	-0.7718
Gm13	10253413	10253950 Gmdrm	hypo	CHG	-0.218
Gm13	10277313	10277602 Gmdrm	hypo	CHG	-0.69
Gm13	10345325	10345595 Gmdrm	hypo	CHG	-0.355
Gm13	10346719	10347071 Gmdrm	hypo	CHG	-0.2467
Gm13	10396734	10396884 Gmdrm	hypo	CHG	-0.5837
Gm13	10482265	10482327 Gmdrm	hypo	CHG	-0.5875
Gm13	10485733	10485842 Gmdrm	hypo	CHG	-0.354
Gm13	10730312	10730499 Gmdrm	hypo	CHG	-0.3557
Gm13	10748503	10748744 Gmdrm	hypo	CHG	-0.182
Gm13	10787946	10788003 Gmdrm	hypo	CHG	-0.1
Gm13	10813075	10813252 Gmdrm	hypo	CHG	-0.052
Gm13	10817453	10817844 Gmdrm	hypo	CHG	-0.3295

Gm13	10833561	10833918	Gmdrm	hypo	CHG	-0.34
Gm13	10884994	10885277	Gmdrm	hypo	CHG	-0.1212
Gm13	10915761	10915904	Gmdrm	hypo	CHG	-0.6525
Gm13	10925022	10925246	Gmdrm	hypo	CHG	-0.04
Gm13	11023434	11023660	Gmdrm	hypo	CHG	-0.4841
Gm13	11024398	11024571	Gmdrm	hypo	CHG	-0.6538
Gm13	11039005	11039560	Gmdrm	hypo	CHG	-0.2316
Gm13	11043744	11043833	Gmdrm	hypo	CHG	-0.1157
Gm13	11082084	11082288	Gmdrm	hypo	CHG	-0.6612
Gm13	11085696	11085955	Gmdrm	hypo	CHG	-0.2842
Gm13	11160904	11161184	Gmdrm	hypo	CHG	-0.6816
Gm13	11266287	11266468	Gmdrm	hypo	CHG	-0.4409
Gm13	11278841	11279048	Gmdrm	hypo	CHG	-0.7538
Gm13	11279945	11279969	Gmdrm	hypo	CHG	-0.3384
Gm13	11285423	11285590	Gmdrm	hypo	CHG	-0.4075
Gm13	11285702	11286020	Gmdrm	hypo	CHG	-0.325
Gm13	11286411	11286982	Gmdrm	hypo	CHG	-0.4233
Gm13	11287128	11287392	Gmdrm	hypo	CHG	-0.4894
Gm13	11287514	11287766	Gmdrm	hypo	CHG	-0.5427
Gm13	11287901	11287938	Gmdrm	hypo	CHG	-0.6534
Gm13	11288093	11288336	Gmdrm	hypo	CHG	-0.5507
Gm13	11288471	11288489	Gmdrm	hypo	CHG	-0.75
Gm13	11288646	11289120	Gmdrm	hypo	CHG	-0.7375
Gm13	11290092	11290118	Gmdrm	hypo	CHG	-0.322
Gm13	11290235	11290703	Gmdrm	hypo	CHG	-0.6422
Gm13	11292963	11292983	Gmdrm	hypo	CHG	-0.746
Gm13	11293110	11293127	Gmdrm	hypo	CHG	-0.5717
Gm13	11295241	11296237	Gmdrm	hypo	CHG	-0.3403
Gm13	11321008	11321227	Gmdrm	hypo	CHG	-0.084
Gm13	11375845	11376158	Gmdrm	hypo	CHG	-0.2975
Gm13	11385481	11385922	Gmdrm	hypo	CHG	-0.044
Gm13	11407597	11407668	Gmdrm	hypo	CHG	-0.054
Gm13	11423499	11424498	Gmdrm	hypo	CHG	-0.1933
Gm13	11656645	11656842	Gmdrm	hypo	CHG	-0.45
Gm13	11684527	11684713	Gmdrm	hypo	CHG	-0.345
Gm13	11686228	11686296	Gmdrm	hypo	CHG	-0.0942
Gm13	11686407	11687052	Gmdrm	hypo	CHG	-0.4392
Gm13	11687211	11687616	Gmdrm	hypo	CHG	-0.2972
Gm13	11687969	11688249	Gmdrm	hypo	CHG	-0.2934
Gm13	11689937	11690034	Gmdrm	hypo	CHG	-0.815
Gm13	11690201	11690399	Gmdrm	hypo	CHG	-0.7838
Gm13	11695002	11695132	Gmdrm	hypo	CHG	-0.064
Gm13	11857091	11857228	Gmdrm	hypo	CHG	-0.265
Gm13	11857344	11858004	Gmdrm	hypo	CHG	-0.2891
Gm13	11858632	11859014	Gmdrm	hypo	CHG	-0.47
Gm13	11864668	11864735	Gmdrm	hypo	CHG	-0.212

Gm13	11868257	11868390	Gmdrm	hypo	CHG	-0.16
Gm13	11912863	11912986	Gmdrm	hypo	CHG	-0.056
Gm13	12009607	12009688	Gmdrm	hypo	CHG	-0.0625
Gm13	12196792	12197388	Gmdrm	hypo	CHG	-0.1779
Gm13	12223442	12223665	Gmdrm	hypo	CHG	-0.422
Gm13	12232047	12232142	Gmdrm	hypo	CHG	-0.7317
Gm13	12299412	12299496	Gmdrm	hypo	CHG	-0.6229
Gm13	12345428	12345583	Gmdrm	hypo	CHG	-0.7531
Gm13	12394613	12394722	Gmdrm	hypo	CHG	-0.3134
Gm13	12404357	12404380	Gmdrm	hypo	CHG	-0.505
Gm13	12420040	12420283	Gmdrm	hypo	CHG	-0.0414
Gm13	12507544	12507701	Gmdrm	hypo	CHG	-0.0543
Gm13	12577850	12578136	Gmdrm	hypo	CHG	-0.2469
Gm13	12615478	12615622	Gmdrm	hypo	CHG	-0.4128
Gm13	12622883	12623023	Gmdrm	hypo	CHG	-0.051
Gm13	12623134	12623304	Gmdrm	hypo	CHG	-0.7328
Gm13	12624068	12624200	Gmdrm	hypo	CHG	-0.625
Gm13	12624316	12624385	Gmdrm	hypo	CHG	-0.7856
Gm13	12624533	12624660	Gmdrm	hypo	CHG	-0.0788
Gm13	12625470	12625861	Gmdrm	hypo	CHG	-0.4612
Gm13	12625985	12626191	Gmdrm	hypo	CHG	-0.3811
Gm13	12630519	12630732	Gmdrm	hypo	CHG	-0.4775
Gm13	12633400	12633501	Gmdrm	hypo	CHG	-0.0562
Gm13	12633639	12633892	Gmdrm	hypo	CHG	-0.2318
Gm13	12657045	12657197	Gmdrm	hypo	CHG	-0.03
Gm13	12662657	12662848	Gmdrm	hypo	CHG	-0.584
Gm13	12663099	12663394	Gmdrm	hypo	CHG	-0.6827
Gm13	12669647	12669878	Gmdrm	hypo	CHG	-0.7554
Gm13	12670107	12670221	Gmdrm	hypo	CHG	-0.6984
Gm13	12675462	12675815	Gmdrm	hypo	CHG	-0.262
Gm13	12678025	12678106	Gmdrm	hypo	CHG	-0.054
Gm13	12683071	12683315	Gmdrm	hypo	CHG	-0.6364
Gm13	12689365	12689842	Gmdrm	hypo	CHG	-0.4083
Gm13	12690186	12690298	Gmdrm	hypo	CHG	-0.0978
Gm13	12691608	12691862	Gmdrm	hypo	CHG	-0.0429
Gm13	12738042	12738131	Gmdrm	hypo	CHG	-0.434
Gm13	12746278	12746402	Gmdrm	hypo	CHG	-0.8831
Gm13	12748581	12748705	Gmdrm	hypo	CHG	-0.4075
Gm13	12749226	12749360	Gmdrm	hypo	CHG	-0.5461
Gm13	12753924	12754316	Gmdrm	hypo	CHG	-0.1987
Gm13	12755737	12755845	Gmdrm	hypo	CHG	-0.8087
Gm13	12769221	12769573	Gmdrm	hypo	CHG	-0.368
Gm13	12776101	12776209	Gmdrm	hypo	CHG	-0.508
Gm13	12778580	12778909	Gmdrm	hypo	CHG	-0.5908
Gm13	12779644	12779850	Gmdrm	hypo	CHG	-0.82
Gm13	12790522	12791115	Gmdrm	hypo	CHG	-0.3194

Gm13	12803825	12803860	Gmdrm	hypo	CHG	-0.6616
Gm13	12809220	12809359	Gmdrm	hypo	CHG	-0.04
Gm13	12819216	12819420	Gmdrm	hypo	CHG	-0.6754
Gm13	12825263	12825353	Gmdrm	hypo	CHG	-0.4722
Gm13	12835969	12836093	Gmdrm	hypo	CHG	-0.066
Gm13	12836583	12836710	Gmdrm	hypo	CHG	-0.03
Gm13	12857852	12858020	Gmdrm	hypo	CHG	-0.48
Gm13	12858388	12858643	Gmdrm	hypo	CHG	-0.3693
Gm13	12858845	12859148	Gmdrm	hypo	CHG	-0.7525
Gm13	12859253	12859445	Gmdrm	hypo	CHG	-0.7817
Gm13	12860754	12860942	Gmdrm	hypo	CHG	-0.4909
Gm13	12878323	12878828	Gmdrm	hypo	CHG	-0.0277
Gm13	12896523	12896929	Gmdrm	hypo	CHG	-0.0317
Gm13	12915752	12915818	Gmdrm	hypo	CHG	-0.8428
Gm13	12916474	12916498	Gmdrm	hypo	CHG	-0.2033
Gm13	12923954	12924544	Gmdrm	hypo	CHG	-0.2906
Gm13	12927637	12928403	Gmdrm	hypo	CHG	-0.1246
Gm13	12936903	12937087	Gmdrm	hypo	CHG	-0.59
Gm13	12951394	12951426	Gmdrm	hypo	CHG	-0.8884
Gm13	12961553	12961757	Gmdrm	hypo	CHG	-0.2156
Gm13	12962331	12962841	Gmdrm	hypo	CHG	-0.47
Gm13	12967482	12967729	Gmdrm	hypo	CHG	-0.4054
Gm13	12978162	12978255	Gmdrm	hypo	CHG	-0.56
Gm13	12979365	12979401	Gmdrm	hypo	CHG	-0.7917
Gm13	12979535	12979633	Gmdrm	hypo	CHG	-0.414
Gm13	12980248	12980456	Gmdrm	hypo	CHG	-0.706
Gm13	12984383	12984582	Gmdrm	hypo	CHG	-0.349
Gm13	12984704	12984770	Gmdrm	hypo	CHG	-0.315
Gm13	12994711	12995698	Gmdrm	hypo	CHG	-0.3962
Gm13	12997822	12998821	Gmdrm	hypo	CHG	-0.2028
Gm13	13006739	13006988	Gmdrm	hypo	CHG	-0.0686
Gm13	13021250	13021529	Gmdrm	hypo	CHG	-0.3723
Gm13	13021648	13022206	Gmdrm	hypo	CHG	-0.2235
Gm13	13031988	13032551	Gmdrm	hypo	CHG	-0.0863
Gm13	13032936	13033229	Gmdrm	hypo	CHG	-0.15
Gm13	13035727	13035869	Gmdrm	hypo	CHG	-0.882
Gm13	13036084	13036191	Gmdrm	hypo	CHG	-0.818
Gm13	13082789	13082954	Gmdrm	hypo	CHG	-0.8378
Gm13	13083352	13083501	Gmdrm	hypo	CHG	-0.6718
Gm13	13085642	13085810	Gmdrm	hypo	CHG	-0.05
Gm13	13095486	13095603	Gmdrm	hypo	CHG	-0.2692
Gm13	13103528	13103942	Gmdrm	hypo	CHG	-0.7311
Gm13	13115889	13116478	Gmdrm	hypo	CHG	-0.5047
Gm13	13116580	13116768	Gmdrm	hypo	CHG	-0.3225
Gm13	13119987	13120875	Gmdrm	hypo	CHG	-0.258
Gm13	13135550	13135672	Gmdrm	hypo	CHG	-0.0443

Gm13	13150613	13150799	Gmdrm	hypo	CHG	-0.2925
Gm13	13167575	13168046	Gmdrm	hypo	CHG	-0.2676
Gm13	13171232	13171495	Gmdrm	hypo	CHG	-0.5308
Gm13	13171930	13172144	Gmdrm	hypo	CHG	-0.633
Gm13	13200430	13200630	Gmdrm	hypo	CHG	-0.0445
Gm13	13212329	13212795	Gmdrm	hypo	CHG	-0.5754
Gm13	13214741	13214948	Gmdrm	hypo	CHG	-0.615
Gm13	13219930	13219994	Gmdrm	hypo	CHG	-0.786
Gm13	13222804	13222938	Gmdrm	hypo	CHG	-0.544
Gm13	13247965	13248002	Gmdrm	hypo	CHG	-0.3475
Gm13	13249238	13249653	Gmdrm	hypo	CHG	-0.3104
Gm13	13250352	13250482	Gmdrm	hypo	CHG	-0.8028
Gm13	13259339	13259588	Gmdrm	hypo	CHG	-0.535
Gm13	13262691	13262797	Gmdrm	hypo	CHG	-0.6891
Gm13	13275470	13275585	Gmdrm	hypo	CHG	-0.326
Gm13	13275706	13276085	Gmdrm	hypo	CHG	-0.4963
Gm13	13278229	13278954	Gmdrm	hypo	CHG	-0.2116
Gm13	13279879	13280227	Gmdrm	hypo	CHG	-0.2185
Gm13	13280331	13280443	Gmdrm	hypo	CHG	-0.4685
Gm13	13281021	13281101	Gmdrm	hypo	CHG	-0.5667
Gm13	13304407	13304522	Gmdrm	hypo	CHG	-0.48
Gm13	13313817	13313955	Gmdrm	hypo	CHG	-0.3333
Gm13	13315030	13315200	Gmdrm	hypo	CHG	-0.0633
Gm13	13322876	13323359	Gmdrm	hypo	CHG	-0.1963
Gm13	13327024	13327181	Gmdrm	hypo	CHG	-0.18
Gm13	13332074	13332280	Gmdrm	hypo	CHG	-0.4924
Gm13	13335849	13336112	Gmdrm	hypo	CHG	-0.4889
Gm13	13352559	13352590	Gmdrm	hypo	CHG	-0.468
Gm13	13352818	13353040	Gmdrm	hypo	CHG	-0.6922
Gm13	13363729	13364009	Gmdrm	hypo	CHG	-0.2979
Gm13	13377168	13377449	Gmdrm	hypo	CHG	-0.4592
Gm13	13377553	13377801	Gmdrm	hypo	CHG	-0.3556
Gm13	13377909	13378012	Gmdrm	hypo	CHG	-0.6088
Gm13	13378450	13378556	Gmdrm	hypo	CHG	-0.23
Gm13	13379311	13379465	Gmdrm	hypo	CHG	-0.2756
Gm13	13390826	13391126	Gmdrm	hypo	CHG	-0.3867
Gm13	13391297	13391735	Gmdrm	hypo	CHG	-0.8105
Gm13	13392055	13392087	Gmdrm	hypo	CHG	-0.7716
Gm13	13392218	13392467	Gmdrm	hypo	CHG	-0.3446
Gm13	13393133	13393229	Gmdrm	hypo	CHG	-0.856
Gm13	13393355	13393643	Gmdrm	hypo	CHG	-0.8664
Gm13	13393811	13394032	Gmdrm	hypo	CHG	-0.78
Gm13	13431972	13432324	Gmdrm	hypo	CHG	-0.1165
Gm13	13470861	13471134	Gmdrm	hypo	CHG	-0.6484
Gm13	13473463	13473602	Gmdrm	hypo	CHG	-0.278
Gm13	13476089	13476327	Gmdrm	hypo	CHG	-0.3736

Gm13	13485917	13485987	Gmdrm	hypo	CHG	-0.18
Gm13	13490586	13490909	Gmdrm	hypo	CHG	-0.4106
Gm13	13492928	13493289	Gmdrm	hypo	CHG	-0.6841
Gm13	13494328	13494386	Gmdrm	hypo	CHG	-0.51
Gm13	13497206	13497399	Gmdrm	hypo	CHG	-0.4436
Gm13	13513157	13513349	Gmdrm	hypo	CHG	-0.459
Gm13	13513572	13513857	Gmdrm	hypo	CHG	-0.3555
Gm13	13516884	13516908	Gmdrm	hypo	CHG	-0.1937
Gm13	13527317	13527563	Gmdrm	hypo	CHG	-0.7131
Gm13	13535788	13536127	Gmdrm	hypo	CHG	-0.2525
Gm13	13536252	13536309	Gmdrm	hypo	CHG	-0.6429
Gm13	13537677	13538005	Gmdrm	hypo	CHG	-0.56
Gm13	13578376	13578704	Gmdrm	hypo	CHG	-0.2787
Gm13	13578811	13578926	Gmdrm	hypo	CHG	-0.7072
Gm13	13584059	13584298	Gmdrm	hypo	CHG	-0.6424
Gm13	13584402	13584924	Gmdrm	hypo	CHG	-0.6452
Gm13	13585056	13585273	Gmdrm	hypo	CHG	-0.7591
Gm13	13590507	13590855	Gmdrm	hypo	CHG	-0.3618
Gm13	13598357	13598583	Gmdrm	hypo	CHG	-0.044
Gm13	13611863	13612559	Gmdrm	hypo	CHG	-0.6362
Gm13	13616046	13616539	Gmdrm	hypo	CHG	-0.7262
Gm13	13648640	13648810	Gmdrm	hypo	CHG	-0.17
Gm13	13652095	13652410	Gmdrm	hypo	CHG	-0.089
Gm13	13679388	13679764	Gmdrm	hypo	CHG	-0.2752
Gm13	13679905	13680043	Gmdrm	hypo	CHG	-0.3584
Gm13	13680182	13680236	Gmdrm	hypo	CHG	-0.4583
Gm13	13693047	13693295	Gmdrm	hypo	CHG	-0.3815
Gm13	13708739	13708943	Gmdrm	hypo	CHG	-0.5477
Gm13	13709063	13709206	Gmdrm	hypo	CHG	-0.0678
Gm13	13710601	13710756	Gmdrm	hypo	CHG	-0.25
Gm13	13711359	13711587	Gmdrm	hypo	CHG	-0.5085
Gm13	13718813	13719483	Gmdrm	hypo	CHG	-0.3746
Gm13	13730838	13731044	Gmdrm	hypo	CHG	-0.7075
Gm13	13741339	13741844	Gmdrm	hypo	CHG	-0.1974
Gm13	13759223	13759386	Gmdrm	hypo	CHG	-0.102
Gm13	13781641	13782286	Gmdrm	hypo	CHG	-0.6213
Gm13	13785414	13785446	Gmdrm	hypo	CHG	-0.1629
Gm13	13797793	13797962	Gmdrm	hypo	CHG	-0.3243
Gm13	13801064	13801258	Gmdrm	hypo	CHG	-0.6512
Gm13	13801383	13801780	Gmdrm	hypo	CHG	-0.689
Gm13	13807765	13807812	Gmdrm	hypo	CHG	-0.03
Gm13	13808244	13808994	Gmdrm	hypo	CHG	-0.6274
Gm13	13811812	13811858	Gmdrm	hypo	CHG	-0.7217
Gm13	13818802	13818938	Gmdrm	hypo	CHG	-0.39
Gm13	13819044	13819222	Gmdrm	hypo	CHG	-0.3367
Gm13	13843760	13844041	Gmdrm	hypo	CHG	-0.0525

Gm13	13849217	13849745	Gmdrm	hypo	CHG	-0.2181
Gm13	13927576	13927782	Gmdrm	hypo	CHG	-0.062
Gm13	13956659	13956940	Gmdrm	hypo	CHG	-0.8009
Gm13	13965199	13965308	Gmdrm	hypo	CHG	-0.56
Gm13	13985115	13985296	Gmdrm	hypo	CHG	-0.7155
Gm13	14012813	14012975	Gmdrm	hypo	CHG	-0.5175
Gm13	14013093	14013250	Gmdrm	hypo	CHG	-0.6014
Gm13	14020999	14021264	Gmdrm	hypo	CHG	-0.7194
Gm13	14021400	14021568	Gmdrm	hypo	CHG	-0.84
Gm13	14032616	14032868	Gmdrm	hypo	CHG	-0.034
Gm13	14032995	14033087	Gmdrm	hypo	CHG	-0.6433
Gm13	14036661	14036900	Gmdrm	hypo	CHG	-0.3434
Gm13	14059147	14059513	Gmdrm	hypo	CHG	-0.0991
Gm13	14068049	14068270	Gmdrm	hypo	CHG	-0.4933
Gm13	14071143	14071387	Gmdrm	hypo	CHG	-0.31
Gm13	14074536	14074782	Gmdrm	hypo	CHG	-0.4706
Gm13	14080056	14080123	Gmdrm	hypo	CHG	-0.465
Gm13	14084159	14084219	Gmdrm	hypo	CHG	-0.516
Gm13	14095522	14095559	Gmdrm	hypo	CHG	-0.395
Gm13	14099774	14100069	Gmdrm	hypo	CHG	-0.657
Gm13	14100392	14100561	Gmdrm	hypo	CHG	-0.044
Gm13	14124505	14124615	Gmdrm	hypo	CHG	-0.03
Gm13	14143091	14143336	Gmdrm	hypo	CHG	-0.041
Gm13	14149662	14149746	Gmdrm	hypo	CHG	-0.506
Gm13	14152111	14152368	Gmdrm	hypo	CHG	-0.0286
Gm13	14164273	14164460	Gmdrm	hypo	CHG	-0.7578
Gm13	14171930	14172445	Gmdrm	hypo	CHG	-0.48
Gm13	14185026	14185484	Gmdrm	hypo	CHG	-0.4638
Gm13	14189755	14190003	Gmdrm	hypo	CHG	-0.3807
Gm13	14193572	14193839	Gmdrm	hypo	CHG	-0.0524
Gm13	14221654	14221908	Gmdrm	hypo	CHG	-0.5379
Gm13	14239395	14239466	Gmdrm	hypo	CHG	-0.3571
Gm13	14249480	14249672	Gmdrm	hypo	CHG	-0.0567
Gm13	14251458	14251682	Gmdrm	hypo	CHG	-0.056
Gm13	14263914	14264232	Gmdrm	hypo	CHG	-0.665
Gm13	14267196	14267272	Gmdrm	hypo	CHG	-0.7483
Gm13	14269249	14269375	Gmdrm	hypo	CHG	-0.4917
Gm13	14269481	14269559	Gmdrm	hypo	CHG	-0.8013
Gm13	14270096	14270274	Gmdrm	hypo	CHG	-0.536
Gm13	14288175	14288291	Gmdrm	hypo	CHG	-0.428
Gm13	14289495	14289591	Gmdrm	hypo	CHG	-0.1531
Gm13	14294486	14294563	Gmdrm	hypo	CHG	-0.27
Gm13	14299032	14299243	Gmdrm	hypo	CHG	-0.0434
Gm13	14316728	14317180	Gmdrm	hypo	CHG	-0.2758
Gm13	14322948	14322975	Gmdrm	hypo	CHG	-0.07
Gm13	14323125	14323269	Gmdrm	hypo	CHG	-0.6117

Gm13	14323774	14323972	Gmdrm	hypo	CHG	-0.4357
Gm13	14328833	14328939	Gmdrm	hypo	CHG	-0.426
Gm13	14329042	14329366	Gmdrm	hypo	CHG	-0.5117
Gm13	14341966	14342186	Gmdrm	hypo	CHG	-0.242
Gm13	14351000	14351150	Gmdrm	hypo	CHG	-0.449
Gm13	14351291	14351742	Gmdrm	hypo	CHG	-0.4172
Gm13	14355799	14355999	Gmdrm	hypo	CHG	-0.244
Gm13	14356167	14356264	Gmdrm	hypo	CHG	-0.392
Gm13	14356368	14356462	Gmdrm	hypo	CHG	-0.522
Gm13	14395022	14395058	Gmdrm	hypo	CHG	-0.41
Gm13	14395512	14395558	Gmdrm	hypo	CHG	-0.7517
Gm13	14401295	14401578	Gmdrm	hypo	CHG	-0.095
Gm13	14407056	14407165	Gmdrm	hypo	CHG	-0.6214
Gm13	14432845	14432880	Gmdrm	hypo	CHG	-0.7634
Gm13	14437125	14437162	Gmdrm	hypo	CHG	-0.496
Gm13	14445212	14445438	Gmdrm	hypo	CHG	-0.0483
Gm13	14445543	14445602	Gmdrm	hypo	CHG	-0.672
Gm13	14445910	14445965	Gmdrm	hypo	CHG	-0.734
Gm13	14448288	14448558	Gmdrm	hypo	CHG	-0.6607
Gm13	14450472	14450724	Gmdrm	hypo	CHG	-0.5664
Gm13	14450850	14450972	Gmdrm	hypo	CHG	-0.4586
Gm13	14451213	14451602	Gmdrm	hypo	CHG	-0.3033
Gm13	14457014	14457236	Gmdrm	hypo	CHG	-0.8448
Gm13	14461094	14461171	Gmdrm	hypo	CHG	-0.6166
Gm13	14504177	14504304	Gmdrm	hypo	CHG	-0.3286
Gm13	14509518	14509746	Gmdrm	hypo	CHG	-0.0533
Gm13	14527001	14527139	Gmdrm	hypo	CHG	-0.6722
Gm13	14564183	14564547	Gmdrm	hypo	CHG	-0.0609
Gm13	14565516	14566009	Gmdrm	hypo	CHG	-0.1079
Gm13	14573907	14574068	Gmdrm	hypo	CHG	-0.03
Gm13	14585118	14585483	Gmdrm	hypo	CHG	-0.0766
Gm13	14586325	14586512	Gmdrm	hypo	CHG	-0.6036
Gm13	14591412	14591802	Gmdrm	hypo	CHG	-0.7062
Gm13	14592204	14592394	Gmdrm	hypo	CHG	-0.87
Gm13	14592510	14592569	Gmdrm	hypo	CHG	-0.5217
Gm13	14604703	14604998	Gmdrm	hypo	CHG	-0.1014
Gm13	14629274	14629639	Gmdrm	hypo	CHG	-0.2771
Gm13	14646893	14647140	Gmdrm	hypo	CHG	-0.4211
Gm13	14651775	14652349	Gmdrm	hypo	CHG	-0.2785
Gm13	14660333	14660591	Gmdrm	hypo	CHG	-0.7492
Gm13	14660986	14661448	Gmdrm	hypo	CHG	-0.6869
Gm13	14664951	14665079	Gmdrm	hypo	CHG	-0.2883
Gm13	14672583	14673004	Gmdrm	hypo	CHG	-0.0267
Gm13	14676351	14676625	Gmdrm	hypo	CHG	-0.3822
Gm13	14691107	14691192	Gmdrm	hypo	CHG	-0.05
Gm13	14693686	14693823	Gmdrm	hypo	CHG	-0.4611

Gm13	14695009	14695087 Gmdrm	hypo	CHG	-0.7366
Gm13	14710746	14710817 Gmdrm	hypo	CHG	-0.392
Gm13	14715138	14715365 Gmdrm	hypo	CHG	-0.065
Gm13	14717889	14718033 Gmdrm	hypo	CHG	-0.6419
Gm13	14727529	14727783 Gmdrm	hypo	CHG	-0.5222
Gm13	14731649	14731834 Gmdrm	hypo	CHG	-0.038
Gm13	14744167	14744261 Gmdrm	hypo	CHG	-0.77
Gm13	14744462	14744654 Gmdrm	hypo	CHG	-0.4423
Gm13	14748153	14748477 Gmdrm	hypo	CHG	-0.3564
Gm13	14748675	14748855 Gmdrm	hypo	CHG	-0.5888
Gm13	14755480	14756095 Gmdrm	hypo	CHG	-0.7894
Gm13	14762965	14763142 Gmdrm	hypo	CHG	-0.835
Gm13	14771794	14772079 Gmdrm	hypo	CHG	-0.0382
Gm13	14784198	14784350 Gmdrm	hypo	CHG	-0.797
Gm13	14785636	14785919 Gmdrm	hypo	CHG	-0.3509
Gm13	14790990	14791126 Gmdrm	hypo	CHG	-0.2884
Gm13	14801811	14802124 Gmdrm	hypo	CHG	-0.4678
Gm13	14809695	14809742 Gmdrm	hypo	CHG	-0.8888
Gm13	14810303	14811005 Gmdrm	hypo	CHG	-0.484
Gm13	14821197	14821340 Gmdrm	hypo	CHG	-0.3842
Gm13	14823409	14823501 Gmdrm	hypo	CHG	-0.865
Gm13	14824666	14824960 Gmdrm	hypo	CHG	-0.08
Gm13	14839268	14839537 Gmdrm	hypo	CHG	-0.699
Gm13	14843683	14843890 Gmdrm	hypo	CHG	-0.042
Gm13	14853555	14853720 Gmdrm	hypo	CHG	-0.3755
Gm13	14853894	14853986 Gmdrm	hypo	CHG	-0.65
Gm13	14863499	14864003 Gmdrm	hypo	CHG	-0.8341
Gm13	14869141	14869358 Gmdrm	hypo	CHG	-0.2719
Gm13	14869821	14869862 Gmdrm	hypo	CHG	-0.076
Gm13	14888384	14888618 Gmdrm	hypo	CHG	-0.4245
Gm13	14948577	14948677 Gmdrm	hypo	CHG	-0.7089
Gm13	14958997	14959420 Gmdrm	hypo	CHG	-0.48
Gm13	14977407	14977487 Gmdrm	hypo	CHG	-0.3217
Gm13	14977609	14977674 Gmdrm	hypo	CHG	-0.2366
Gm13	14979848	14979945 Gmdrm	hypo	CHG	-0.7438
Gm13	14982420	14982560 Gmdrm	hypo	CHG	-0.4167
Gm13	14982671	14983157 Gmdrm	hypo	CHG	-0.6483
Gm13	14983297	14983438 Gmdrm	hypo	CHG	-0.76
Gm13	15001856	15002047 Gmdrm	hypo	CHG	-0.0417
Gm13	15004468	15004591 Gmdrm	hypo	CHG	-0.4583
Gm13	15004783	15004918 Gmdrm	hypo	CHG	-0.3534
Gm13	15005165	15005253 Gmdrm	hypo	CHG	-0.512
Gm13	15008381	15008614 Gmdrm	hypo	CHG	-0.2722
Gm13	15008784	15009007 Gmdrm	hypo	CHG	-0.6258
Gm13	15027906	15028150 Gmdrm	hypo	CHG	-0.0414
Gm13	15031262	15031388 Gmdrm	hypo	CHG	-0.7527

Gm13	15031508	15031956	Gmdrm	hypo	CHG	-0.1467
Gm13	15036211	15036312	Gmdrm	hypo	CHG	-0.3188
Gm13	15051897	15052208	Gmdrm	hypo	CHG	-0.0716
Gm13	15052906	15053023	Gmdrm	hypo	CHG	-0.104
Gm13	15054878	15055043	Gmdrm	hypo	CHG	-0.0429
Gm13	15055157	15055695	Gmdrm	hypo	CHG	-0.391
Gm13	15058786	15059166	Gmdrm	hypo	CHG	-0.2557
Gm13	15066430	15066641	Gmdrm	hypo	CHG	-0.2978
Gm13	15078954	15079100	Gmdrm	hypo	CHG	-0.07
Gm13	15084596	15084715	Gmdrm	hypo	CHG	-0.2283
Gm13	15093075	15093150	Gmdrm	hypo	CHG	-0.0343
Gm13	15095461	15095611	Gmdrm	hypo	CHG	-0.2317
Gm13	15103151	15103455	Gmdrm	hypo	CHG	-0.2717
Gm13	15109693	15109848	Gmdrm	hypo	CHG	-0.4877
Gm13	15110188	15110336	Gmdrm	hypo	CHG	-0.52
Gm13	15126489	15126922	Gmdrm	hypo	CHG	-0.2334
Gm13	15138656	15138974	Gmdrm	hypo	CHG	-0.416
Gm13	15140786	15141075	Gmdrm	hypo	CHG	-0.5722
Gm13	15141210	15141339	Gmdrm	hypo	CHG	-0.7914
Gm13	15158902	15159048	Gmdrm	hypo	CHG	-0.739
Gm13	15175105	15175337	Gmdrm	hypo	CHG	-0.034
Gm13	15177104	15177166	Gmdrm	hypo	CHG	-0.1922
Gm13	15186817	15186909	Gmdrm	hypo	CHG	-0.3863
Gm13	15187152	15187289	Gmdrm	hypo	CHG	-0.4654
Gm13	15187443	15187476	Gmdrm	hypo	CHG	-0.3117
Gm13	15187612	15187791	Gmdrm	hypo	CHG	-0.5128
Gm13	15188110	15188318	Gmdrm	hypo	CHG	-0.498
Gm13	15189151	15189230	Gmdrm	hypo	CHG	-0.1828
Gm13	15189496	15189644	Gmdrm	hypo	CHG	-0.2716
Gm13	15204307	15204571	Gmdrm	hypo	CHG	-0.3944
Gm13	15219406	15219665	Gmdrm	hypo	CHG	-0.2557
Gm13	15221933	15222004	Gmdrm	hypo	CHG	-0.5143
Gm13	15236723	15237010	Gmdrm	hypo	CHG	-0.7274
Gm13	15252868	15253068	Gmdrm	hypo	CHG	-0.3767
Gm13	15253243	15253360	Gmdrm	hypo	CHG	-0.606
Gm13	15258893	15259105	Gmdrm	hypo	CHG	-0.688
Gm13	15259570	15259925	Gmdrm	hypo	CHG	-0.6727
Gm13	15260335	15260445	Gmdrm	hypo	CHG	-0.533
Gm13	15275228	15275466	Gmdrm	hypo	CHG	-0.05
Gm13	15275857	15276286	Gmdrm	hypo	CHG	-0.4385
Gm13	15276428	15276574	Gmdrm	hypo	CHG	-0.7713
Gm13	15278418	15278642	Gmdrm	hypo	CHG	-0.054
Gm13	15294950	15295356	Gmdrm	hypo	CHG	-0.5839
Gm13	15295567	15295695	Gmdrm	hypo	CHG	-0.8775
Gm13	15307356	15307458	Gmdrm	hypo	CHG	-0.6585
Gm13	15315587	15315612	Gmdrm	hypo	CHG	-0.72

Gm13	15331111	15331299	Gmdrm	hypo	CHG	-0.756
Gm13	15349603	15349833	Gmdrm	hypo	CHG	-0.654
Gm13	15350266	15350542	Gmdrm	hypo	CHG	-0.1063
Gm13	15366207	15366881	Gmdrm	hypo	CHG	-0.3494
Gm13	15396492	15396555	Gmdrm	hypo	CHG	-0.626
Gm13	15407350	15407370	Gmdrm	hypo	CHG	-0.29
Gm13	15407503	15407576	Gmdrm	hypo	CHG	-0.226
Gm13	15439295	15439358	Gmdrm	hypo	CHG	-0.3017
Gm13	15448529	15448789	Gmdrm	hypo	CHG	-0.0486
Gm13	15451760	15452019	Gmdrm	hypo	CHG	-0.063
Gm13	15452666	15453015	Gmdrm	hypo	CHG	-0.4225
Gm13	15458010	15458322	Gmdrm	hypo	CHG	-0.5356
Gm13	15464680	15465136	Gmdrm	hypo	CHG	-0.8011
Gm13	15465309	15465467	Gmdrm	hypo	CHG	-0.4501
Gm13	15468150	15468307	Gmdrm	hypo	CHG	-0.2571
Gm13	15474037	15474348	Gmdrm	hypo	CHG	-0.05
Gm13	15487109	15487295	Gmdrm	hypo	CHG	-0.3183
Gm13	15490392	15490480	Gmdrm	hypo	CHG	-0.1651
Gm13	15507685	15507943	Gmdrm	hypo	CHG	-0.2858
Gm13	15508176	15508299	Gmdrm	hypo	CHG	-0.7632
Gm13	15516071	15516166	Gmdrm	hypo	CHG	-0.4033
Gm13	15531966	15532019	Gmdrm	hypo	CHG	-0.478
Gm13	15532131	15532197	Gmdrm	hypo	CHG	-0.5883
Gm13	15536150	15536162	Gmdrm	hypo	CHG	-0.048
Gm13	15561333	15561666	Gmdrm	hypo	CHG	-0.2908
Gm13	15565035	15565277	Gmdrm	hypo	CHG	-0.0514
Gm13	15573966	15574113	Gmdrm	hypo	CHG	-0.176
Gm13	15575651	15575728	Gmdrm	hypo	CHG	-0.2417
Gm13	15575847	15576239	Gmdrm	hypo	CHG	-0.4688
Gm13	15576393	15577384	Gmdrm	hypo	CHG	-0.0855
Gm13	15584426	15584970	Gmdrm	hypo	CHG	-0.1216
Gm13	15589107	15589388	Gmdrm	hypo	CHG	-0.1131
Gm13	15600573	15600726	Gmdrm	hypo	CHG	-0.445
Gm13	15607640	15607826	Gmdrm	hypo	CHG	-0.5689
Gm13	15621488	15621656	Gmdrm	hypo	CHG	-0.69
Gm13	15621980	15622146	Gmdrm	hypo	CHG	-0.5491
Gm13	15626732	15626819	Gmdrm	hypo	CHG	-0.648
Gm13	15635055	15635252	Gmdrm	hypo	CHG	-0.5246
Gm13	15637831	15637893	Gmdrm	hypo	CHG	-0.4934
Gm13	15646186	15646224	Gmdrm	hypo	CHG	-0.842
Gm13	15646331	15646419	Gmdrm	hypo	CHG	-0.688
Gm13	15646606	15646620	Gmdrm	hypo	CHG	-0.5466
Gm13	15646746	15646856	Gmdrm	hypo	CHG	-0.3786
Gm13	15664954	15665055	Gmdrm	hypo	CHG	-0.3363
Gm13	15665223	15665451	Gmdrm	hypo	CHG	-0.7807
Gm13	15680194	15680628	Gmdrm	hypo	CHG	-0.4139

Gm13	15687987	15688288	Gmdrm	hypo	CHG	-0.0467
Gm13	15692207	15692264	Gmdrm	hypo	CHG	-0.802
Gm13	15692665	15692899	Gmdrm	hypo	CHG	-0.5992
Gm13	15698649	15698840	Gmdrm	hypo	CHG	-0.4286
Gm13	15700417	15700583	Gmdrm	hypo	CHG	-0.5458
Gm13	15708188	15708286	Gmdrm	hypo	CHG	-0.05
Gm13	15728071	15728143	Gmdrm	hypo	CHG	-0.496
Gm13	15728258	15728518	Gmdrm	hypo	CHG	-0.5467
Gm13	15736527	15736771	Gmdrm	hypo	CHG	-0.75
Gm13	15744388	15744467	Gmdrm	hypo	CHG	-0.578
Gm13	15758691	15758895	Gmdrm	hypo	CHG	-0.6085
Gm13	15769500	15770032	Gmdrm	hypo	CHG	-0.2706
Gm13	15811183	15811454	Gmdrm	hypo	CHG	-0.0244
Gm13	15811943	15812610	Gmdrm	hypo	CHG	-0.6014
Gm13	15816832	15816893	Gmdrm	hypo	CHG	-0.038
Gm13	15840764	15840836	Gmdrm	hypo	CHG	-0.3413
Gm13	15841408	15841551	Gmdrm	hypo	CHG	-0.5537
Gm13	15863308	15863509	Gmdrm	hypo	CHG	-0.496
Gm13	15875159	15875381	Gmdrm	hypo	CHG	-0.6366
Gm13	15875524	15875583	Gmdrm	hypo	CHG	-0.8886
Gm13	15875708	15876022	Gmdrm	hypo	CHG	-0.625
Gm13	15882084	15882212	Gmdrm	hypo	CHG	-0.244
Gm13	15891142	15891344	Gmdrm	hypo	CHG	-0.0486
Gm13	15900294	15900617	Gmdrm	hypo	CHG	-0.3157
Gm13	15907365	15907617	Gmdrm	hypo	CHG	-0.5966
Gm13	15907862	15907953	Gmdrm	hypo	CHG	-0.5867
Gm13	15919325	15919555	Gmdrm	hypo	CHG	-0.5816
Gm13	15932530	15932707	Gmdrm	hypo	CHG	-0.2617
Gm13	15939890	15940288	Gmdrm	hypo	CHG	-0.7981
Gm13	15998835	15999107	Gmdrm	hypo	CHG	-0.5647
Gm13	15999848	16000214	Gmdrm	hypo	CHG	-0.8332
Gm13	16013224	16013419	Gmdrm	hypo	CHG	-0.06
Gm13	16021792	16022120	Gmdrm	hypo	CHG	-0.344
Gm13	16033778	16033994	Gmdrm	hypo	CHG	-0.273
Gm13	16049956	16050214	Gmdrm	hypo	CHG	-0.04
Gm13	16072188	16072766	Gmdrm	hypo	CHG	-0.4942
Gm13	16073156	16073362	Gmdrm	hypo	CHG	-0.1418
Gm13	16098410	16098583	Gmdrm	hypo	CHG	-0.0557
Gm13	16127169	16127265	Gmdrm	hypo	CHG	-0.4543
Gm13	16150488	16150561	Gmdrm	hypo	CHG	-0.0267
Gm13	16162445	16162682	Gmdrm	hypo	CHG	-0.1376
Gm13	16176175	16176292	Gmdrm	hypo	CHG	-0.2567
Gm13	16180559	16180800	Gmdrm	hypo	CHG	-0.4562
Gm13	16199135	16199259	Gmdrm	hypo	CHG	-0.27
Gm13	16206341	16206443	Gmdrm	hypo	CHG	-0.82
Gm13	16234776	16235011	Gmdrm	hypo	CHG	-0.079

Gm13	16267866	16267995	Gmdrm	hypo	CHG	-0.21
Gm13	16291820	16292055	Gmdrm	hypo	CHG	-0.268
Gm13	16294387	16294641	Gmdrm	hypo	CHG	-0.7114
Gm13	16295463	16295678	Gmdrm	hypo	CHG	-0.6942
Gm13	16299398	16299502	Gmdrm	hypo	CHG	-0.7543
Gm13	16300303	16300391	Gmdrm	hypo	CHG	-0.6625
Gm13	16302844	16303102	Gmdrm	hypo	CHG	-0.4554
Gm13	16308039	16308487	Gmdrm	hypo	CHG	-0.3511
Gm13	16324564	16324976	Gmdrm	hypo	CHG	-0.8778
Gm13	16360833	16361820	Gmdrm	hypo	CHG	-0.498
Gm13	16361872	16362854	Gmdrm	hypo	CHG	-0.6478
Gm13	16362900	16363303	Gmdrm	hypo	CHG	-0.2238
Gm13	16371559	16371627	Gmdrm	hypo	CHG	-0.485
Gm13	16381310	16381526	Gmdrm	hypo	CHG	-0.0415
Gm13	16388915	16389139	Gmdrm	hypo	CHG	-0.3754
Gm13	16392307	16392608	Gmdrm	hypo	CHG	-0.3018
Gm13	16392714	16393021	Gmdrm	hypo	CHG	-0.2138
Gm13	16404683	16404720	Gmdrm	hypo	CHG	-0.2167
Gm13	16405196	16405261	Gmdrm	hypo	CHG	-0.785
Gm13	16405699	16405812	Gmdrm	hypo	CHG	-0.055
Gm13	16409289	16409528	Gmdrm	hypo	CHG	-0.0625
Gm13	16427189	16428180	Gmdrm	hypo	CHG	-0.2393
Gm13	16428194	16429183	Gmdrm	hypo	CHG	-0.2583
Gm13	16429359	16430323	Gmdrm	hypo	CHG	-0.2748
Gm13	16430389	16431368	Gmdrm	hypo	CHG	-0.1702
Gm13	16431396	16431623	Gmdrm	hypo	CHG	-0.22
Gm13	16431751	16432532	Gmdrm	hypo	CHG	-0.204
Gm13	16465026	16465359	Gmdrm	hypo	CHG	-0.395
Gm13	16467559	16467872	Gmdrm	hypo	CHG	-0.3514
Gm13	16494577	16494829	Gmdrm	hypo	CHG	-0.3573
Gm13	16570641	16570889	Gmdrm	hypo	CHG	-0.4859
Gm13	16647128	16647508	Gmdrm	hypo	CHG	-0.0344
Gm13	16664240	16664335	Gmdrm	hypo	CHG	-0.0417
Gm13	16678740	16678756	Gmdrm	hypo	CHG	-0.7116
Gm13	16678955	16678985	Gmdrm	hypo	CHG	-0.8584
Gm13	16680254	16680481	Gmdrm	hypo	CHG	-0.8422
Gm13	16680590	16680772	Gmdrm	hypo	CHG	-0.805
Gm13	16686876	16687047	Gmdrm	hypo	CHG	-0.215
Gm13	16696307	16696682	Gmdrm	hypo	CHG	-0.1657
Gm13	16697562	16697876	Gmdrm	hypo	CHG	-0.5875
Gm13	16697980	16698100	Gmdrm	hypo	CHG	-0.46
Gm13	16698432	16698500	Gmdrm	hypo	CHG	-0.3417
Gm13	16699524	16699642	Gmdrm	hypo	CHG	-0.4884
Gm13	16701732	16701982	Gmdrm	hypo	CHG	-0.024
Gm13	16708771	16709771	Gmdrm	hypo	CHG	-0.1865
Gm13	16711391	16711493	Gmdrm	hypo	CHG	-0.045

Gm13	16737219	16737355	Gmdrm	hypo	CHG	-0.62
Gm13	16796308	16796624	Gmdrm	hypo	CHG	-0.2029
Gm13	16797004	16797396	Gmdrm	hypo	CHG	-0.2104
Gm13	16797692	16797800	Gmdrm	hypo	CHG	-0.6587
Gm13	16821374	16821451	Gmdrm	hypo	CHG	-0.6884
Gm13	16823195	16823512	Gmdrm	hypo	CHG	-0.4153
Gm13	16854185	16854275	Gmdrm	hypo	CHG	-0.5117
Gm13	16866044	16866087	Gmdrm	hypo	CHG	-0.6484
Gm13	16904836	16905076	Gmdrm	hypo	CHG	-0.325
Gm13	16924292	16924468	Gmdrm	hypo	CHG	-0.382
Gm13	16925792	16925967	Gmdrm	hypo	CHG	-0.6511
Gm13	16995976	16996052	Gmdrm	hypo	CHG	-0.0443
Gm13	17003855	17003949	Gmdrm	hypo	CHG	-0.5428
Gm13	17043182	17043244	Gmdrm	hypo	CHG	-0.3545
Gm13	17074145	17074564	Gmdrm	hypo	CHG	-0.0315
Gm13	17088982	17089534	Gmdrm	hypo	CHG	-0.1097
Gm13	17103169	17103484	Gmdrm	hypo	CHG	-0.4909
Gm13	17104879	17105085	Gmdrm	hypo	CHG	-0.2245
Gm13	17107018	17107189	Gmdrm	hypo	CHG	-0.4333
Gm13	17107358	17107700	Gmdrm	hypo	CHG	-0.6047
Gm13	17144327	17144628	Gmdrm	hypo	CHG	-0.4209
Gm13	17175867	17176070	Gmdrm	hypo	CHG	-0.6031
Gm13	17178184	17178337	Gmdrm	hypo	CHG	-0.04
Gm13	17205897	17205954	Gmdrm	hypo	CHG	-0.39
Gm13	17223349	17223573	Gmdrm	hypo	CHG	-0.677
Gm13	17223733	17223841	Gmdrm	hypo	CHG	-0.6562
Gm13	17223946	17224101	Gmdrm	hypo	CHG	-0.5338
Gm13	17236340	17236509	Gmdrm	hypo	CHG	-0.7418
Gm13	17252697	17252907	Gmdrm	hypo	CHG	-0.3591
Gm13	17284358	17284498	Gmdrm	hypo	CHG	-0.2625
Gm13	17353765	17353903	Gmdrm	hypo	CHG	-0.05
Gm13	17354457	17354752	Gmdrm	hypo	CHG	-0.5235
Gm13	17362133	17362413	Gmdrm	hypo	CHG	-0.463
Gm13	17375664	17376166	Gmdrm	hypo	CHG	-0.4987
Gm13	17398965	17399138	Gmdrm	hypo	CHG	-0.6272
Gm13	17399277	17399364	Gmdrm	hypo	CHG	-0.492
Gm13	17399489	17399720	Gmdrm	hypo	CHG	-0.2067
Gm13	17404067	17404396	Gmdrm	hypo	CHG	-0.7544
Gm13	17452993	17453101	Gmdrm	hypo	CHG	-0.443
Gm13	17453219	17453302	Gmdrm	hypo	CHG	-0.738
Gm13	17511384	17511498	Gmdrm	hypo	CHG	-0.5788
Gm13	17514517	17514680	Gmdrm	hypo	CHG	-0.3125
Gm13	17529779	17530100	Gmdrm	hypo	CHG	-0.0344
Gm13	17532728	17532829	Gmdrm	hypo	CHG	-0.076
Gm13	17564030	17564232	Gmdrm	hypo	CHG	-0.6423
Gm13	17574209	17574347	Gmdrm	hypo	CHG	-0.04

Gm13	17575164	17575283	Gmdrm	hypo	CHG	-0.5228
Gm13	17581455	17581566	Gmdrm	hypo	CHG	-0.8562
Gm13	17582808	17583028	Gmdrm	hypo	CHG	-0.2347
Gm13	17602797	17603051	Gmdrm	hypo	CHG	-0.5262
Gm13	17614306	17614402	Gmdrm	hypo	CHG	-0.455
Gm13	17614735	17615170	Gmdrm	hypo	CHG	-0.4518
Gm13	17615540	17615638	Gmdrm	hypo	CHG	-0.605
Gm13	17615879	17616048	Gmdrm	hypo	CHG	-0.3987
Gm13	17616323	17616368	Gmdrm	hypo	CHG	-0.656
Gm13	17616603	17616763	Gmdrm	hypo	CHG	-0.6983
Gm13	17617315	17617383	Gmdrm	hypo	CHG	-0.7233
Gm13	17645219	17645296	Gmdrm	hypo	CHG	-0.6786
Gm13	17645586	17645735	Gmdrm	hypo	CHG	-0.449
Gm13	17657924	17658082	Gmdrm	hypo	CHG	-0.398
Gm13	17660477	17660562	Gmdrm	hypo	CHG	-0.6787
Gm13	17660847	17660932	Gmdrm	hypo	CHG	-0.4071
Gm13	17661044	17661515	Gmdrm	hypo	CHG	-0.4196
Gm13	17662323	17662563	Gmdrm	hypo	CHG	-0.41
Gm13	17674142	17674207	Gmdrm	hypo	CHG	-0.8543
Gm13	17674713	17674790	Gmdrm	hypo	CHG	-0.268
Gm13	17683850	17684028	Gmdrm	hypo	CHG	-0.1754
Gm13	17696486	17696639	Gmdrm	hypo	CHG	-0.427
Gm13	17697135	17697249	Gmdrm	hypo	CHG	-0.23
Gm13	17699841	17700084	Gmdrm	hypo	CHG	-0.23
Gm13	17715920	17716909	Gmdrm	hypo	CHG	-0.1858
Gm13	17717291	17717540	Gmdrm	hypo	CHG	-0.0282
Gm13	17719614	17719816	Gmdrm	hypo	CHG	-0.0975
Gm13	17720674	17721135	Gmdrm	hypo	CHG	-0.2933
Gm13	17736958	17737180	Gmdrm	hypo	CHG	-0.63
Gm13	17737303	17737839	Gmdrm	hypo	CHG	-0.3507
Gm13	17742291	17742438	Gmdrm	hypo	CHG	-0.0267
Gm13	17743314	17743393	Gmdrm	hypo	CHG	-0.542
Gm13	17759361	17759584	Gmdrm	hypo	CHG	-0.3777
Gm13	17767865	17768122	Gmdrm	hypo	CHG	-0.4609
Gm13	17768265	17768455	Gmdrm	hypo	CHG	-0.5115
Gm13	17769526	17769590	Gmdrm	hypo	CHG	-0.495
Gm13	17900484	17900620	Gmdrm	hypo	CHG	-0.655
Gm13	17900974	17901137	Gmdrm	hypo	CHG	-0.9169
Gm13	17914288	17914393	Gmdrm	hypo	CHG	-0.035
Gm13	17916877	17917034	Gmdrm	hypo	CHG	-0.4015
Gm13	17928322	17928409	Gmdrm	hypo	CHG	-0.175
Gm13	17966425	17966547	Gmdrm	hypo	CHG	-0.48
Gm13	17984271	17984355	Gmdrm	hypo	CHG	-0.7983
Gm13	17984480	17984763	Gmdrm	hypo	CHG	-0.4058
Gm13	17990461	17990597	Gmdrm	hypo	CHG	-0.51
Gm13	17994428	17994626	Gmdrm	hypo	CHG	-0.344

Gm13	18018808	18019099	Gmdrm	hypo	CHG	-0.1439
Gm13	18024780	18025167	Gmdrm	hypo	CHG	-0.3571
Gm13	18030210	18030500	Gmdrm	hypo	CHG	-0.5329
Gm13	18068315	18068749	Gmdrm	hypo	CHG	-0.0543
Gm13	18079748	18080043	Gmdrm	hypo	CHG	-0.1709
Gm13	18101370	18101625	Gmdrm	hypo	CHG	-0.36
Gm13	18104279	18104387	Gmdrm	hypo	CHG	-0.6283
Gm13	18105577	18105674	Gmdrm	hypo	CHG	-0.64
Gm13	18105781	18105833	Gmdrm	hypo	CHG	-0.85
Gm13	18130604	18131177	Gmdrm	hypo	CHG	-0.2486
Gm13	18138753	18138859	Gmdrm	hypo	CHG	-0.6324
Gm13	18139639	18139778	Gmdrm	hypo	CHG	-0.14
Gm13	18142152	18142532	Gmdrm	hypo	CHG	-0.1528
Gm13	18145890	18146186	Gmdrm	hypo	CHG	-0.2766
Gm13	18153667	18153703	Gmdrm	hypo	CHG	-0.125
Gm13	18170597	18170731	Gmdrm	hypo	CHG	-0.32
Gm13	18180086	18180265	Gmdrm	hypo	CHG	-0.79
Gm13	18222507	18222646	Gmdrm	hypo	CHG	-0.1677
Gm13	18222754	18222960	Gmdrm	hypo	CHG	-0.67
Gm13	18227387	18227612	Gmdrm	hypo	CHG	-0.3408
Gm13	18228615	18228679	Gmdrm	hypo	CHG	-0.46
Gm13	18230750	18230822	Gmdrm	hypo	CHG	-0.8233
Gm13	18231532	18231695	Gmdrm	hypo	CHG	-0.9375
Gm13	18244770	18244963	Gmdrm	hypo	CHG	-0.4601
Gm13	18252375	18252397	Gmdrm	hypo	CHG	-0.4283
Gm13	18252631	18252748	Gmdrm	hypo	CHG	-0.57
Gm13	18256207	18256427	Gmdrm	hypo	CHG	-0.3814
Gm13	18257361	18257609	Gmdrm	hypo	CHG	-0.2705
Gm13	18258573	18258686	Gmdrm	hypo	CHG	-0.3762
Gm13	18266294	18266389	Gmdrm	hypo	CHG	-0.3
Gm13	18277563	18277626	Gmdrm	hypo	CHG	-0.8167
Gm13	18285533	18285551	Gmdrm	hypo	CHG	-0.14
Gm13	18295157	18295299	Gmdrm	hypo	CHG	-0.6729
Gm13	18311948	18311972	Gmdrm	hypo	CHG	-0.56
Gm13	18316340	18316433	Gmdrm	hypo	CHG	-0.095
Gm13	18319818	18320469	Gmdrm	hypo	CHG	-0.3554
Gm13	18328571	18328880	Gmdrm	hypo	CHG	-0.2841
Gm13	18331455	18331556	Gmdrm	hypo	CHG	-0.7717
Gm13	18344340	18344521	Gmdrm	hypo	CHG	-0.59
Gm13	18344624	18344735	Gmdrm	hypo	CHG	-0.326
Gm13	18344836	18344940	Gmdrm	hypo	CHG	-0.372
Gm13	18347687	18347738	Gmdrm	hypo	CHG	-0.7933
Gm13	18352297	18352545	Gmdrm	hypo	CHG	-0.1006
Gm13	18370778	18370910	Gmdrm	hypo	CHG	-0.054
Gm13	18397227	18397558	Gmdrm	hypo	CHG	-0.3633
Gm13	18400059	18400351	Gmdrm	hypo	CHG	-0.2808

Gm13	18421050	18421438	Gmdrm	hypo	CHG	-0.7181
Gm13	18422031	18422342	Gmdrm	hypo	CHG	-0.7794
Gm13	18422462	18422481	Gmdrm	hypo	CHG	-0.184
Gm13	18444104	18444440	Gmdrm	hypo	CHG	-0.2865
Gm13	18449893	18450038	Gmdrm	hypo	CHG	-0.43
Gm13	18450150	18450384	Gmdrm	hypo	CHG	-0.7321
Gm13	18463054	18463832	Gmdrm	hypo	CHG	-0.1807
Gm13	18488042	18488056	Gmdrm	hypo	CHG	-0.354
Gm13	18491760	18491975	Gmdrm	hypo	CHG	-0.1017
Gm13	18492084	18492246	Gmdrm	hypo	CHG	-0.0329
Gm13	18502893	18502936	Gmdrm	hypo	CHG	-0.1617
Gm13	18503105	18503166	Gmdrm	hypo	CHG	-0.4667
Gm13	18509258	18509295	Gmdrm	hypo	CHG	-0.272
Gm13	18517354	18517473	Gmdrm	hypo	CHG	-0.44
Gm13	18543628	18543962	Gmdrm	hypo	CHG	-0.2715
Gm13	18557509	18557770	Gmdrm	hypo	CHG	-0.252
Gm13	18564787	18564807	Gmdrm	hypo	CHG	-0.8417
Gm13	18569146	18569419	Gmdrm	hypo	CHG	-0.7891
Gm13	18569767	18569928	Gmdrm	hypo	CHG	-0.8867
Gm13	18570032	18570117	Gmdrm	hypo	CHG	-0.7484
Gm13	18579143	18579216	Gmdrm	hypo	CHG	-0.86
Gm13	18589234	18589276	Gmdrm	hypo	CHG	-0.578
Gm13	18589380	18589529	Gmdrm	hypo	CHG	-0.795
Gm13	18600289	18600653	Gmdrm	hypo	CHG	-0.4473
Gm13	18604831	18604986	Gmdrm	hypo	CHG	-0.034
Gm13	18607206	18607266	Gmdrm	hypo	CHG	-0.872
Gm13	18620922	18621171	Gmdrm	hypo	CHG	-0.3273
Gm13	18621285	18621362	Gmdrm	hypo	CHG	-0.142
Gm13	18639811	18639982	Gmdrm	hypo	CHG	-0.25
Gm13	18640129	18640452	Gmdrm	hypo	CHG	-0.152
Gm13	18651808	18651847	Gmdrm	hypo	CHG	-0.42
Gm13	18652492	18653152	Gmdrm	hypo	CHG	-0.717
Gm13	18657112	18657461	Gmdrm	hypo	CHG	-0.38
Gm13	18664842	18664941	Gmdrm	hypo	CHG	-0.6933
Gm13	18667738	18668015	Gmdrm	hypo	CHG	-0.0411
Gm13	18675492	18676025	Gmdrm	hypo	CHG	-0.5787
Gm13	18682649	18682713	Gmdrm	hypo	CHG	-0.2867
Gm13	18693550	18693650	Gmdrm	hypo	CHG	-0.048
Gm13	18698327	18698574	Gmdrm	hypo	CHG	-0.056
Gm13	18723043	18723202	Gmdrm	hypo	CHG	-0.252
Gm13	18723423	18723492	Gmdrm	hypo	CHG	-0.4883
Gm13	18762535	18762636	Gmdrm	hypo	CHG	-0.3283
Gm13	18796965	18797239	Gmdrm	hypo	CHG	-0.38
Gm13	18811025	18811140	Gmdrm	hypo	CHG	-0.472
Gm13	18828719	18828963	Gmdrm	hypo	CHG	-0.2183
Gm13	18843540	18843594	Gmdrm	hypo	CHG	-0.7417

Gm13	18844691	18845494	Gmdrm	hypo	CHG	-0.318
Gm13	18857814	18857871	Gmdrm	hypo	CHG	-0.264
Gm13	18900326	18900469	Gmdrm	hypo	CHG	-0.3328
Gm13	18900803	18900981	Gmdrm	hypo	CHG	-0.8285
Gm13	18910180	18910337	Gmdrm	hypo	CHG	-0.6817
Gm13	18910500	18910689	Gmdrm	hypo	CHG	-0.3127
Gm13	18914862	18915117	Gmdrm	hypo	CHG	-0.038
Gm13	18939044	18939189	Gmdrm	hypo	CHG	-0.3058
Gm13	18940286	18940612	Gmdrm	hypo	CHG	-0.583
Gm13	18948730	18948815	Gmdrm	hypo	CHG	-0.456
Gm13	18951015	18951202	Gmdrm	hypo	CHG	-0.0517
Gm13	18967163	18967321	Gmdrm	hypo	CHG	-0.4357
Gm13	18977446	18977572	Gmdrm	hypo	CHG	-0.056
Gm13	18989205	18989970	Gmdrm	hypo	CHG	-0.54
Gm13	18997882	18997950	Gmdrm	hypo	CHG	-0.545
Gm13	18998222	18998294	Gmdrm	hypo	CHG	-0.7616
Gm13	18998509	18998525	Gmdrm	hypo	CHG	-0.612
Gm13	19008541	19008620	Gmdrm	hypo	CHG	-0.475
Gm13	19019018	19019209	Gmdrm	hypo	CHG	-0.726
Gm13	19025344	19025507	Gmdrm	hypo	CHG	-0.6291
Gm13	19044805	19045025	Gmdrm	hypo	CHG	-0.3953
Gm13	19052822	19053149	Gmdrm	hypo	CHG	-0.3428
Gm13	19055668	19056017	Gmdrm	hypo	CHG	-0.2868
Gm13	19144588	19144692	Gmdrm	hypo	CHG	-0.5486
Gm13	19159455	19159534	Gmdrm	hypo	CHG	-0.732
Gm13	19164996	19165262	Gmdrm	hypo	CHG	-0.535
Gm13	19165432	19165513	Gmdrm	hypo	CHG	-0.6283
Gm13	19210627	19210752	Gmdrm	hypo	CHG	-0.0415
Gm13	19212490	19212585	Gmdrm	hypo	CHG	-0.716
Gm13	19224294	19224385	Gmdrm	hypo	CHG	-0.04
Gm13	19261982	19262125	Gmdrm	hypo	CHG	-0.2366
Gm13	19279342	19279686	Gmdrm	hypo	CHG	-0.5647
Gm13	19281632	19281685	Gmdrm	hypo	CHG	-0.295
Gm13	19348720	19349055	Gmdrm	hypo	CHG	-0.3571
Gm13	19382633	19382723	Gmdrm	hypo	CHG	-0.0387
Gm13	19419504	19420029	Gmdrm	hypo	CHG	-0.478
Gm13	19424462	19424517	Gmdrm	hypo	CHG	-0.0483
Gm13	19424642	19424725	Gmdrm	hypo	CHG	-0.6616
Gm13	19425440	19425537	Gmdrm	hypo	CHG	-0.4511
Gm13	19431726	19431810	Gmdrm	hypo	CHG	-0.942
Gm13	19436432	19436567	Gmdrm	hypo	CHG	-0.072
Gm13	19442215	19442400	Gmdrm	hypo	CHG	-0.2543
Gm13	19452551	19453054	Gmdrm	hypo	CHG	-0.644
Gm13	19453187	19453460	Gmdrm	hypo	CHG	-0.5976
Gm13	19453798	19454361	Gmdrm	hypo	CHG	-0.4876
Gm13	19454797	19454990	Gmdrm	hypo	CHG	-0.344

Gm13	19456480	19456625	Gmdrm	hypo	CHG	-0.522
Gm13	19472473	19473179	Gmdrm	hypo	CHG	-0.3516
Gm13	19473297	19473350	Gmdrm	hypo	CHG	-0.9275
Gm13	19532158	19532405	Gmdrm	hypo	CHG	-0.1246
Gm13	19590530	19590716	Gmdrm	hypo	CHG	-0.0634
Gm13	19595142	19595200	Gmdrm	hypo	CHG	-0.105
Gm13	19595684	19595815	Gmdrm	hypo	CHG	-0.068
Gm13	19606936	19607290	Gmdrm	hypo	CHG	-0.1408
Gm13	19620142	19620190	Gmdrm	hypo	CHG	-0.204
Gm13	19624131	19624603	Gmdrm	hypo	CHG	-0.4106
Gm13	19631436	19631639	Gmdrm	hypo	CHG	-0.7356
Gm13	19643658	19643780	Gmdrm	hypo	CHG	-0.044
Gm13	19650430	19650454	Gmdrm	hypo	CHG	-0.3833
Gm13	19661001	19661155	Gmdrm	hypo	CHG	-0.025
Gm13	19730887	19730997	Gmdrm	hypo	CHG	-0.65
Gm13	19731150	19731586	Gmdrm	hypo	CHG	-0.7205
Gm13	19731831	19731972	Gmdrm	hypo	CHG	-0.612
Gm13	19732366	19732678	Gmdrm	hypo	CHG	-0.3921
Gm13	19736841	19737008	Gmdrm	hypo	CHG	-0.522
Gm13	19755648	19755853	Gmdrm	hypo	CHG	-0.2444
Gm13	19755954	19756229	Gmdrm	hypo	CHG	-0.728
Gm13	19761329	19761698	Gmdrm	hypo	CHG	-0.4288
Gm13	19761822	19762191	Gmdrm	hypo	CHG	-0.302
Gm13	19784781	19785003	Gmdrm	hypo	CHG	-0.6316
Gm13	19802722	19803094	Gmdrm	hypo	CHG	-0.9133
Gm13	19819490	19819732	Gmdrm	hypo	CHG	-0.685
Gm13	19825839	19826535	Gmdrm	hypo	CHG	-0.252
Gm13	19830254	19830536	Gmdrm	hypo	CHG	-0.2564
Gm13	19830639	19830745	Gmdrm	hypo	CHG	-0.6233
Gm13	19831236	19831353	Gmdrm	hypo	CHG	-0.046
Gm13	19843314	19843478	Gmdrm	hypo	CHG	-0.06
Gm13	19846256	19846508	Gmdrm	hypo	CHG	-0.2823
Gm13	19847790	19848161	Gmdrm	hypo	CHG	-0.774
Gm13	19864210	19864488	Gmdrm	hypo	CHG	-0.265
Gm13	19886224	19886415	Gmdrm	hypo	CHG	-0.05
Gm13	19894314	19894387	Gmdrm	hypo	CHG	-0.7775
Gm13	19904599	19905019	Gmdrm	hypo	CHG	-0.2207
Gm13	19921457	19921616	Gmdrm	hypo	CHG	-0.8554
Gm13	19923587	19923788	Gmdrm	hypo	CHG	-0.6745
Gm13	19934123	19935110	Gmdrm	hypo	CHG	-0.2264
Gm13	19937323	19938197	Gmdrm	hypo	CHG	-0.3612
Gm13	19949940	19950094	Gmdrm	hypo	CHG	-0.0572
Gm13	19961747	19961934	Gmdrm	hypo	CHG	-0.7063
Gm13	19967654	19967711	Gmdrm	hypo	CHG	-0.8683
Gm13	19967964	19968093	Gmdrm	hypo	CHG	-0.746
Gm13	19981111	19981144	Gmdrm	hypo	CHG	-0.884

Gm13	19981284	19981405	Gmdrm	hypo	CHG	-0.79
Gm13	19995060	19995210	Gmdrm	hypo	CHG	-0.932
Gm13	20005693	20005808	Gmdrm	hypo	CHG	-0.2989
Gm13	20006078	20006188	Gmdrm	hypo	CHG	-0.36
Gm13	20012760	20013753	Gmdrm	hypo	CHG	-0.1125
Gm13	20013851	20014063	Gmdrm	hypo	CHG	-0.0499
Gm13	20045369	20045829	Gmdrm	hypo	CHG	-0.5793
Gm13	20048237	20048461	Gmdrm	hypo	CHG	-0.8236
Gm13	20048924	20049074	Gmdrm	hypo	CHG	-0.4414
Gm13	20049189	20049464	Gmdrm	hypo	CHG	-0.31
Gm13	20050486	20050661	Gmdrm	hypo	CHG	-0.3689
Gm13	20051482	20051769	Gmdrm	hypo	CHG	-0.785
Gm13	20075890	20076023	Gmdrm	hypo	CHG	-0.5985
Gm13	20081987	20082166	Gmdrm	hypo	CHG	-0.6588
Gm13	20082751	20083268	Gmdrm	hypo	CHG	-0.3444
Gm13	20092736	20092826	Gmdrm	hypo	CHG	-0.715
Gm13	20093261	20093381	Gmdrm	hypo	CHG	-0.8763
Gm13	20095464	20095573	Gmdrm	hypo	CHG	-0.21
Gm13	20098490	20098762	Gmdrm	hypo	CHG	-0.4567
Gm13	20105487	20105594	Gmdrm	hypo	CHG	-0.6243
Gm13	20105887	20106051	Gmdrm	hypo	CHG	-0.699
Gm13	20121253	20121565	Gmdrm	hypo	CHG	-0.032
Gm13	20133017	20133094	Gmdrm	hypo	CHG	-0.8243
Gm13	20133897	20133931	Gmdrm	hypo	CHG	-0.588
Gm13	20134224	20134453	Gmdrm	hypo	CHG	-0.8267
Gm13	20134674	20134834	Gmdrm	hypo	CHG	-0.305
Gm13	20140702	20141007	Gmdrm	hypo	CHG	-0.416
Gm13	20153647	20153677	Gmdrm	hypo	CHG	-0.7133
Gm13	20156112	20156319	Gmdrm	hypo	CHG	-0.0756
Gm13	20200093	20200617	Gmdrm	hypo	CHG	-0.0357
Gm13	20207086	20207206	Gmdrm	hypo	CHG	-0.666
Gm13	20219812	20219983	Gmdrm	hypo	CHG	-0.4638
Gm13	20220547	20220620	Gmdrm	hypo	CHG	-0.8756
Gm13	20225321	20225591	Gmdrm	hypo	CHG	-0.1218
Gm13	20231833	20232337	Gmdrm	hypo	CHG	-0.1846
Gm13	20237881	20238526	Gmdrm	hypo	CHG	-0.2205
Gm13	20262680	20262959	Gmdrm	hypo	CHG	-0.4815
Gm13	20263061	20263167	Gmdrm	hypo	CHG	-0.5114
Gm13	20281585	20282004	Gmdrm	hypo	CHG	-0.55
Gm13	20282168	20282240	Gmdrm	hypo	CHG	-0.242
Gm13	20286995	20287078	Gmdrm	hypo	CHG	-0.042
Gm13	20287560	20287652	Gmdrm	hypo	CHG	-0.0343
Gm13	20289442	20289870	Gmdrm	hypo	CHG	-0.0455
Gm13	20304688	20304768	Gmdrm	hypo	CHG	-0.075
Gm13	20305924	20306053	Gmdrm	hypo	CHG	-0.6934
Gm13	20306394	20306480	Gmdrm	hypo	CHG	-0.484

Gm13	20307997	20308173	Gmdrm	hypo	CHG	-0.0643
Gm13	20312251	20312467	Gmdrm	hypo	CHG	-0.7253
Gm13	20321905	20322600	Gmdrm	hypo	CHG	-0.2827
Gm13	20339625	20339705	Gmdrm	hypo	CHG	-0.8486
Gm13	20360097	20360163	Gmdrm	hypo	CHG	-0.49
Gm13	20360335	20360406	Gmdrm	hypo	CHG	-0.4967
Gm13	20360510	20360553	Gmdrm	hypo	CHG	-0.555
Gm13	20360780	20360927	Gmdrm	hypo	CHG	-0.758
Gm13	20423237	20423293	Gmdrm	hypo	CHG	-0.498
Gm13	20426506	20426645	Gmdrm	hypo	CHG	-0.738
Gm13	20426851	20427028	Gmdrm	hypo	CHG	-0.723
Gm13	20434850	20434896	Gmdrm	hypo	CHG	-0.796
Gm13	20435014	20435176	Gmdrm	hypo	CHG	-0.6163
Gm13	20447484	20447572	Gmdrm	hypo	CHG	-0.4343
Gm13	20448432	20448615	Gmdrm	hypo	CHG	-0.2126
Gm13	20448737	20449017	Gmdrm	hypo	CHG	-0.3137
Gm13	20481629	20481761	Gmdrm	hypo	CHG	-0.8649
Gm13	20483093	20483170	Gmdrm	hypo	CHG	-0.8683
Gm13	20516528	20516702	Gmdrm	hypo	CHG	-0.125
Gm13	20516819	20517569	Gmdrm	hypo	CHG	-0.6798
Gm13	20530866	20531028	Gmdrm	hypo	CHG	-0.04
Gm13	20533093	20533179	Gmdrm	hypo	CHG	-0.833
Gm13	20541508	20541624	Gmdrm	hypo	CHG	-0.0417
Gm13	20543806	20543930	Gmdrm	hypo	CHG	-0.06
Gm13	20544053	20544307	Gmdrm	hypo	CHG	-0.8869
Gm13	20544628	20544654	Gmdrm	hypo	CHG	-0.62
Gm13	20545251	20545729	Gmdrm	hypo	CHG	-0.5159
Gm13	20546488	20546652	Gmdrm	hypo	CHG	-0.6343
Gm13	20552156	20552674	Gmdrm	hypo	CHG	-0.1234
Gm13	20552792	20553079	Gmdrm	hypo	CHG	-0.7189
Gm13	20579599	20579907	Gmdrm	hypo	CHG	-0.0383
Gm13	20585664	20585690	Gmdrm	hypo	CHG	-0.2663
Gm13	20655339	20655395	Gmdrm	hypo	CHG	-0.79
Gm13	20655581	20655700	Gmdrm	hypo	CHG	-0.175
Gm13	20690783	20690919	Gmdrm	hypo	CHG	-0.486
Gm13	20692634	20692788	Gmdrm	hypo	CHG	-0.6616
Gm13	20692927	20692986	Gmdrm	hypo	CHG	-0.3929
Gm13	20695635	20695755	Gmdrm	hypo	CHG	-0.4329
Gm13	20696086	20696148	Gmdrm	hypo	CHG	-0.73
Gm13	20700719	20700812	Gmdrm	hypo	CHG	-0.3767
Gm13	20738897	20739183	Gmdrm	hypo	CHG	-0.466
Gm13	20748881	20749029	Gmdrm	hypo	CHG	-0.06
Gm13	20782642	20782836	Gmdrm	hypo	CHG	-0.106
Gm13	20800232	20800494	Gmdrm	hypo	CHG	-0.045
Gm13	20832833	20833204	Gmdrm	hypo	CHG	-0.5878
Gm13	20838071	20838137	Gmdrm	hypo	CHG	-0.632

Gm13	20847364	20847484	Gmdrm	hypo	CHG	-0.7428
Gm13	20860086	20860239	Gmdrm	hypo	CHG	-0.0433
Gm13	20882097	20882170	Gmdrm	hypo	CHG	-0.34
Gm13	20890687	20891083	Gmdrm	hypo	CHG	-0.1996
Gm13	20891677	20892024	Gmdrm	hypo	CHG	-0.5067
Gm13	20916624	20916759	Gmdrm	hypo	CHG	-0.058
Gm13	20920662	20920849	Gmdrm	hypo	CHG	-0.052
Gm13	20937886	20938622	Gmdrm	hypo	CHG	-0.9045
Gm13	20947617	20947734	Gmdrm	hypo	CHG	-0.7833
Gm13	20947909	20947975	Gmdrm	hypo	CHG	-0.8143
Gm13	20950392	20950606	Gmdrm	hypo	CHG	-0.2968
Gm13	20951261	20951512	Gmdrm	hypo	CHG	-0.69
Gm13	20956720	20956888	Gmdrm	hypo	CHG	-0.0337
Gm13	20969569	20969846	Gmdrm	hypo	CHG	-0.0266
Gm13	20982986	20983388	Gmdrm	hypo	CHG	-0.0821
Gm13	21001320	21001747	Gmdrm	hypo	CHG	-0.1199
Gm13	21017617	21017823	Gmdrm	hypo	CHG	-0.05
Gm13	21020020	21020159	Gmdrm	hypo	CHG	-0.4322
Gm13	21021532	21021697	Gmdrm	hypo	CHG	-0.5033
Gm13	21025784	21025887	Gmdrm	hypo	CHG	-0.3867
Gm13	21026046	21026559	Gmdrm	hypo	CHG	-0.7525
Gm13	21035404	21035769	Gmdrm	hypo	CHG	-0.2326
Gm13	21036051	21036123	Gmdrm	hypo	CHG	-0.4056
Gm13	21078411	21078454	Gmdrm	hypo	CHG	-0.702
Gm13	21085465	21085739	Gmdrm	hypo	CHG	-0.0636
Gm13	21086318	21086457	Gmdrm	hypo	CHG	-0.048
Gm13	21090294	21090487	Gmdrm	hypo	CHG	-0.0523
Gm13	21098241	21098475	Gmdrm	hypo	CHG	-0.8873
Gm13	21098642	21098837	Gmdrm	hypo	CHG	-0.554
Gm13	21100477	21100500	Gmdrm	hypo	CHG	-0.352
Gm13	21119085	21119165	Gmdrm	hypo	CHG	-0.7067
Gm13	21124496	21124612	Gmdrm	hypo	CHG	-0.044
Gm13	21125259	21125341	Gmdrm	hypo	CHG	-0.588
Gm13	21147436	21147797	Gmdrm	hypo	CHG	-0.0775
Gm13	21183070	21183223	Gmdrm	hypo	CHG	-0.7023
Gm13	21184412	21184819	Gmdrm	hypo	CHG	-0.5776
Gm13	21222061	21222314	Gmdrm	hypo	CHG	-0.0385
Gm13	21222426	21222629	Gmdrm	hypo	CHG	-0.068
Gm13	21241011	21241164	Gmdrm	hypo	CHG	-0.5067
Gm13	21242162	21242256	Gmdrm	hypo	CHG	-0.058
Gm13	21243661	21243974	Gmdrm	hypo	CHG	-0.042
Gm13	21245822	21246055	Gmdrm	hypo	CHG	-0.0314
Gm13	21258778	21258873	Gmdrm	hypo	CHG	-0.66
Gm13	21259178	21259286	Gmdrm	hypo	CHG	-0.737
Gm13	21259556	21260101	Gmdrm	hypo	CHG	-0.6054
Gm13	21260679	21261059	Gmdrm	hypo	CHG	-0.5884

Gm13	21270853	21271043	Gmdrm	hypo	CHG	-0.0433
Gm13	21291041	21291184	Gmdrm	hypo	CHG	-0.05
Gm13	21325157	21325402	Gmdrm	hypo	CHG	-0.495
Gm13	21325694	21325823	Gmdrm	hypo	CHG	-0.5641
Gm13	21325992	21326122	Gmdrm	hypo	CHG	-0.5019
Gm13	21336165	21336473	Gmdrm	hypo	CHG	-0.8235
Gm13	21348781	21348948	Gmdrm	hypo	CHG	-0.255
Gm13	21357501	21357737	Gmdrm	hypo	CHG	-0.0257
Gm13	21368075	21368261	Gmdrm	hypo	CHG	-0.0571
Gm13	21378301	21378735	Gmdrm	hypo	CHG	-0.5308
Gm13	21378907	21379015	Gmdrm	hypo	CHG	-0.7715
Gm13	21383361	21383459	Gmdrm	hypo	CHG	-0.5333
Gm13	21384691	21384935	Gmdrm	hypo	CHG	-0.5422
Gm13	21385482	21385562	Gmdrm	hypo	CHG	-0.036
Gm13	21405501	21405710	Gmdrm	hypo	CHG	-0.6879
Gm13	21410262	21410377	Gmdrm	hypo	CHG	-0.0533
Gm13	21420383	21420559	Gmdrm	hypo	CHG	-0.036
Gm13	21431300	21432080	Gmdrm	hypo	CHG	-0.2333
Gm13	21456861	21457066	Gmdrm	hypo	CHG	-0.038
Gm13	21457336	21457802	Gmdrm	hypo	CHG	-0.5535
Gm13	21480813	21481389	Gmdrm	hypo	CHG	-0.7377
Gm13	21481556	21481808	Gmdrm	hypo	CHG	-0.8
Gm13	21499286	21500283	Gmdrm	hypo	CHG	-0.1029
Gm13	21504620	21505154	Gmdrm	hypo	CHG	-0.2025
Gm13	21518790	21518892	Gmdrm	hypo	CHG	-0.5067
Gm13	21524245	21524387	Gmdrm	hypo	CHG	-0.0812
Gm13	21556193	21556255	Gmdrm	hypo	CHG	-0.058
Gm13	21562811	21563529	Gmdrm	hypo	CHG	-0.2204
Gm13	21563644	21563711	Gmdrm	hypo	CHG	-0.065
Gm13	21564211	21564421	Gmdrm	hypo	CHG	-0.1229
Gm13	21585110	21585317	Gmdrm	hypo	CHG	-0.026
Gm13	21590236	21590355	Gmdrm	hypo	CHG	-0.6867
Gm13	21590594	21590686	Gmdrm	hypo	CHG	-0.8262
Gm13	21590812	21590970	Gmdrm	hypo	CHG	-0.7813
Gm13	21617551	21617911	Gmdrm	hypo	CHG	-0.0568
Gm13	21620725	21620919	Gmdrm	hypo	CHG	-0.0386
Gm13	21625011	21625228	Gmdrm	hypo	CHG	-0.0314
Gm13	21626663	21626787	Gmdrm	hypo	CHG	-0.5782
Gm13	21627453	21627712	Gmdrm	hypo	CHG	-0.8194
Gm13	21630017	21630099	Gmdrm	hypo	CHG	-0.3933
Gm13	21633344	21633634	Gmdrm	hypo	CHG	-0.8169
Gm13	21638814	21638980	Gmdrm	hypo	CHG	-0.8633
Gm13	21639113	21639187	Gmdrm	hypo	CHG	-0.1925
Gm13	21653351	21653405	Gmdrm	hypo	CHG	-0.43
Gm13	21657638	21657801	Gmdrm	hypo	CHG	-0.034
Gm13	21658066	21658186	Gmdrm	hypo	CHG	-0.08

Gm13	21666883	21667088	Gmdrm	hypo	CHG	-0.038
Gm13	21670206	21670430	Gmdrm	hypo	CHG	-0.04
Gm13	21685353	21685800	Gmdrm	hypo	CHG	-0.3583
Gm13	21687059	21687248	Gmdrm	hypo	CHG	-0.1162
Gm13	21692303	21692403	Gmdrm	hypo	CHG	-0.7671
Gm13	21692586	21692792	Gmdrm	hypo	CHG	-0.7289
Gm13	21711657	21711830	Gmdrm	hypo	CHG	-0.064
Gm13	21754800	21755086	Gmdrm	hypo	CHG	-0.2706
Gm13	21758484	21758711	Gmdrm	hypo	CHG	-0.6882
Gm13	21766830	21766993	Gmdrm	hypo	CHG	-0.8956
Gm13	21780243	21780281	Gmdrm	hypo	CHG	-0.2184
Gm13	21803862	21803954	Gmdrm	hypo	CHG	-0.8983
Gm13	21811927	21812413	Gmdrm	hypo	CHG	-0.6031
Gm13	21816928	21817254	Gmdrm	hypo	CHG	-0.3558
Gm13	21828974	21829260	Gmdrm	hypo	CHG	-0.032
Gm13	21831574	21831644	Gmdrm	hypo	CHG	-0.48
Gm13	21838749	21838884	Gmdrm	hypo	CHG	-0.5567
Gm13	21855279	21855585	Gmdrm	hypo	CHG	-0.2479
Gm13	21855765	21856102	Gmdrm	hypo	CHG	-0.2236
Gm13	21856513	21857087	Gmdrm	hypo	CHG	-0.1797
Gm13	21857213	21857912	Gmdrm	hypo	CHG	-0.3138
Gm13	21858195	21858362	Gmdrm	hypo	CHG	-0.2934
Gm13	21858479	21858612	Gmdrm	hypo	CHG	-0.222
Gm13	21860375	21860452	Gmdrm	hypo	CHG	-0.538
Gm13	21860657	21860689	Gmdrm	hypo	CHG	-0.056
Gm13	21871472	21872035	Gmdrm	hypo	CHG	-0.0434
Gm13	21876211	21876450	Gmdrm	hypo	CHG	-0.2642
Gm13	21885917	21886104	Gmdrm	hypo	CHG	-0.23
Gm13	21921340	21921377	Gmdrm	hypo	CHG	-0.66
Gm13	21922153	21922215	Gmdrm	hypo	CHG	-0.076
Gm13	21926394	21926595	Gmdrm	hypo	CHG	-0.778
Gm13	21930204	21930410	Gmdrm	hypo	CHG	-0.3378
Gm13	21941289	21941778	Gmdrm	hypo	CHG	-0.5612
Gm13	21947776	21947980	Gmdrm	hypo	CHG	-0.3534
Gm13	21960097	21960485	Gmdrm	hypo	CHG	-0.0325
Gm13	21966078	21966233	Gmdrm	hypo	CHG	-0.0412
Gm13	21970966	21971125	Gmdrm	hypo	CHG	-0.0715
Gm13	21987457	21987586	Gmdrm	hypo	CHG	-0.5812
Gm13	21987988	21988021	Gmdrm	hypo	CHG	-0.6683
Gm13	21988238	21988644	Gmdrm	hypo	CHG	-0.0478
Gm13	21991456	21991668	Gmdrm	hypo	CHG	-0.0437
Gm13	22001139	22001270	Gmdrm	hypo	CHG	-0.806
Gm13	22001636	22001771	Gmdrm	hypo	CHG	-0.17
Gm13	22001957	22002081	Gmdrm	hypo	CHG	-0.762
Gm13	22002425	22003064	Gmdrm	hypo	CHG	-0.591
Gm13	22006356	22006523	Gmdrm	hypo	CHG	-0.1071

Gm13	22013459	22014441	Gmdrm	hypo	CHG	-0.1125
Gm13	22014498	22014765	Gmdrm	hypo	CHG	-0.6377
Gm13	22014889	22015023	Gmdrm	hypo	CHG	-0.6125
Gm13	22040935	22041134	Gmdrm	hypo	CHG	-0.0372
Gm13	22120300	22120601	Gmdrm	hypo	CHG	-0.034
Gm13	22127882	22127999	Gmdrm	hypo	CHG	-0.665
Gm13	22128365	22128611	Gmdrm	hypo	CHG	-0.8431
Gm13	22161776	22162067	Gmdrm	hypo	CHG	-0.0533
Gm13	22171766	22172290	Gmdrm	hypo	CHG	-0.207
Gm13	22172613	22172722	Gmdrm	hypo	CHG	-0.4663
Gm13	22178714	22179250	Gmdrm	hypo	CHG	-0.0577
Gm13	22226841	22226912	Gmdrm	hypo	CHG	-0.0585
Gm13	22231830	22231981	Gmdrm	hypo	CHG	-0.066
Gm13	22237950	22238195	Gmdrm	hypo	CHG	-0.5837
Gm13	22238468	22238629	Gmdrm	hypo	CHG	-0.6958
Gm13	22245380	22245682	Gmdrm	hypo	CHG	-0.5579
Gm13	22247422	22247497	Gmdrm	hypo	CHG	-0.162
Gm13	22253040	22253130	Gmdrm	hypo	CHG	-0.472
Gm13	22259484	22259905	Gmdrm	hypo	CHG	-0.6721
Gm13	22274004	22274136	Gmdrm	hypo	CHG	-0.03
Gm13	22300984	22301255	Gmdrm	hypo	CHG	-0.0675
Gm13	22309954	22310711	Gmdrm	hypo	CHG	-0.3159
Gm13	22351739	22351884	Gmdrm	hypo	CHG	-0.3362
Gm13	22355443	22355681	Gmdrm	hypo	CHG	-0.86
Gm13	22355799	22356511	Gmdrm	hypo	CHG	-0.5524
Gm13	22359481	22359537	Gmdrm	hypo	CHG	-0.488
Gm13	22365003	22365134	Gmdrm	hypo	CHG	-0.5912
Gm13	22372920	22373128	Gmdrm	hypo	CHG	-0.3512
Gm13	22389753	22389800	Gmdrm	hypo	CHG	-0.528
Gm13	22390118	22390461	Gmdrm	hypo	CHG	-0.2107
Gm13	22393189	22393328	Gmdrm	hypo	CHG	-0.0286
Gm13	22406812	22407093	Gmdrm	hypo	CHG	-0.4236
Gm13	22407557	22408193	Gmdrm	hypo	CHG	-0.1318
Gm13	22434620	22434808	Gmdrm	hypo	CHG	-0.076
Gm13	22454285	22454356	Gmdrm	hypo	CHG	-0.554
Gm13	22458017	22458234	Gmdrm	hypo	CHG	-0.04
Gm13	22463158	22463501	Gmdrm	hypo	CHG	-0.4826
Gm13	22475024	22475128	Gmdrm	hypo	CHG	-0.392
Gm13	22487422	22487591	Gmdrm	hypo	CHG	-0.045
Gm13	22496266	22496322	Gmdrm	hypo	CHG	-0.8614
Gm13	22498650	22498774	Gmdrm	hypo	CHG	-0.567
Gm13	22498965	22499042	Gmdrm	hypo	CHG	-0.2833
Gm13	22510443	22510719	Gmdrm	hypo	CHG	-0.0375
Gm13	22511764	22511860	Gmdrm	hypo	CHG	-0.3872
Gm13	22512143	22512226	Gmdrm	hypo	CHG	-0.1933
Gm13	22512974	22513097	Gmdrm	hypo	CHG	-0.4586

Gm13	22513467	22513631	Gmdrm	hypo	CHG	-0.812
Gm13	22518917	22519015	Gmdrm	hypo	CHG	-0.5371
Gm13	22549013	22549289	Gmdrm	hypo	CHG	-0.5511
Gm13	22555230	22555369	Gmdrm	hypo	CHG	-0.4583
Gm13	22563508	22563585	Gmdrm	hypo	CHG	-0.7436
Gm13	22563703	22563906	Gmdrm	hypo	CHG	-0.3188
Gm13	22564355	22564718	Gmdrm	hypo	CHG	-0.8379
Gm13	22566011	22566247	Gmdrm	hypo	CHG	-0.2316
Gm13	22570131	22570376	Gmdrm	hypo	CHG	-0.04
Gm13	22575821	22575881	Gmdrm	hypo	CHG	-0.326
Gm13	22578779	22579385	Gmdrm	hypo	CHG	-0.6422
Gm13	22581434	22581522	Gmdrm	hypo	CHG	-0.7783
Gm13	22581646	22581782	Gmdrm	hypo	CHG	-0.594
Gm13	22587399	22587500	Gmdrm	hypo	CHG	-0.0266
Gm13	22597323	22597441	Gmdrm	hypo	CHG	-0.4713
Gm13	22605781	22605874	Gmdrm	hypo	CHG	-0.7416
Gm13	22615215	22615539	Gmdrm	hypo	CHG	-0.4539
Gm13	22622492	22622870	Gmdrm	hypo	CHG	-0.4945
Gm13	22634019	22634541	Gmdrm	hypo	CHG	-0.0425
Gm13	22643790	22644043	Gmdrm	hypo	CHG	-0.5065
Gm13	22659135	22659255	Gmdrm	hypo	CHG	-0.1517
Gm13	22680884	22681182	Gmdrm	hypo	CHG	-0.0385
Gm13	22686476	22686559	Gmdrm	hypo	CHG	-0.044
Gm13	22700989	22701038	Gmdrm	hypo	CHG	-0.4167
Gm13	22708520	22708743	Gmdrm	hypo	CHG	-0.6425
Gm13	22709135	22709404	Gmdrm	hypo	CHG	-0.803
Gm13	22713848	22713953	Gmdrm	hypo	CHG	-0.0457
Gm13	22725874	22726161	Gmdrm	hypo	CHG	-0.5163
Gm13	22728078	22728283	Gmdrm	hypo	CHG	-0.1594
Gm13	22731202	22731529	Gmdrm	hypo	CHG	-0.0266
Gm13	22743143	22743441	Gmdrm	hypo	CHG	-0.2907
Gm13	22752512	22752798	Gmdrm	hypo	CHG	-0.282
Gm13	22763605	22763807	Gmdrm	hypo	CHG	-0.8992
Gm13	22853865	22853907	Gmdrm	hypo	CHG	-0.396
Gm13	22854678	22854794	Gmdrm	hypo	CHG	-0.504
Gm13	22863230	22863344	Gmdrm	hypo	CHG	-0.11
Gm13	22866575	22867055	Gmdrm	hypo	CHG	-0.4817
Gm13	22871731	22871926	Gmdrm	hypo	CHG	-0.0417
Gm13	22885462	22885742	Gmdrm	hypo	CHG	-0.2915
Gm13	22885911	22886059	Gmdrm	hypo	CHG	-0.2585
Gm13	22886226	22886403	Gmdrm	hypo	CHG	-0.3045
Gm13	22905210	22905375	Gmdrm	hypo	CHG	-0.03
Gm13	22911110	22911209	Gmdrm	hypo	CHG	-0.3983
Gm13	22911625	22911724	Gmdrm	hypo	CHG	-0.156
Gm13	22916229	22916553	Gmdrm	hypo	CHG	-0.8294
Gm13	22933407	22933557	Gmdrm	hypo	CHG	-0.034

Gm13	22951322	22951477	Gmdrm	hypo	CHG	-0.0371
Gm13	22963053	22963203	Gmdrm	hypo	CHG	-0.038
Gm13	22971851	22972121	Gmdrm	hypo	CHG	-0.5337
Gm13	22973385	22973831	Gmdrm	hypo	CHG	-0.77
Gm13	22974436	22974455	Gmdrm	hypo	CHG	-0.75
Gm13	22974647	22974995	Gmdrm	hypo	CHG	-0.3538
Gm13	22978746	22978831	Gmdrm	hypo	CHG	-0.526
Gm13	22985712	22985825	Gmdrm	hypo	CHG	-0.446
Gm13	22986467	22986554	Gmdrm	hypo	CHG	-0.8134
Gm13	22986950	22987101	Gmdrm	hypo	CHG	-0.4934
Gm13	22987362	22987490	Gmdrm	hypo	CHG	-0.6813
Gm13	22999702	22999864	Gmdrm	hypo	CHG	-0.7
Gm13	23004787	23004877	Gmdrm	hypo	CHG	-0.6
Gm13	23006479	23006717	Gmdrm	hypo	CHG	-0.2917
Gm13	23033430	23033682	Gmdrm	hypo	CHG	-0.803
Gm13	23043083	23043409	Gmdrm	hypo	CHG	-0.6796
Gm13	23053384	23053524	Gmdrm	hypo	CHG	-0.59
Gm13	23074622	23074787	Gmdrm	hypo	CHG	-0.0383
Gm13	23080974	23081161	Gmdrm	hypo	CHG	-0.448
Gm13	23089764	23090137	Gmdrm	hypo	CHG	-0.7822
Gm13	23098062	23098102	Gmdrm	hypo	CHG	-0.15
Gm13	23108937	23109304	Gmdrm	hypo	CHG	-0.1219
Gm13	23112316	23112397	Gmdrm	hypo	CHG	-0.3044
Gm13	23114194	23114248	Gmdrm	hypo	CHG	-0.0983
Gm13	23124412	23124496	Gmdrm	hypo	CHG	-0.4334
Gm13	23128771	23128861	Gmdrm	hypo	CHG	-0.3062
Gm13	23131840	23132180	Gmdrm	hypo	CHG	-0.305
Gm13	23138615	23139576	Gmdrm	hypo	CHG	-0.1357
Gm13	23173674	23173909	Gmdrm	hypo	CHG	-0.0657
Gm13	23178665	23179099	Gmdrm	hypo	CHG	-0.5506
Gm13	23196346	23196420	Gmdrm	hypo	CHG	-0.105
Gm13	23210196	23210340	Gmdrm	hypo	CHG	-0.54
Gm13	23211665	23211847	Gmdrm	hypo	CHG	-0.5032
Gm13	23223500	23223686	Gmdrm	hypo	CHG	-0.3828
Gm13	23260846	23260971	Gmdrm	hypo	CHG	-0.5962
Gm13	23261130	23261449	Gmdrm	hypo	CHG	-0.6556
Gm13	23262954	23263181	Gmdrm	hypo	CHG	-0.2517
Gm13	23263400	23263517	Gmdrm	hypo	CHG	-0.54
Gm13	23264445	23264601	Gmdrm	hypo	CHG	-0.7262
Gm13	23278107	23278234	Gmdrm	hypo	CHG	-0.3166
Gm13	23278790	23279080	Gmdrm	hypo	CHG	-0.2236
Gm13	23279220	23279233	Gmdrm	hypo	CHG	-0.2484
Gm13	23279335	23279493	Gmdrm	hypo	CHG	-0.5143
Gm13	23279736	23279921	Gmdrm	hypo	CHG	-0.6473
Gm13	23298301	23298396	Gmdrm	hypo	CHG	-0.6433
Gm13	23313447	23314082	Gmdrm	hypo	CHG	-0.4408

Gm13	23314237	23314355	Gmdrm	hypo	CHG	-0.675
Gm13	23347287	23347349	Gmdrm	hypo	CHG	-0.038
Gm13	23352291	23352429	Gmdrm	hypo	CHG	-0.7783
Gm13	23356409	23356587	Gmdrm	hypo	CHG	-0.5237
Gm13	23356690	23356971	Gmdrm	hypo	CHG	-0.1525
Gm13	23362165	23362315	Gmdrm	hypo	CHG	-0.7155
Gm13	23364300	23364486	Gmdrm	hypo	CHG	-0.7843
Gm13	23373696	23373916	Gmdrm	hypo	CHG	-0.0554
Gm13	23383633	23384079	Gmdrm	hypo	CHG	-0.047
Gm13	23390554	23390693	Gmdrm	hypo	CHG	-0.31
Gm13	23416492	23416608	Gmdrm	hypo	CHG	-0.8167
Gm13	23416843	23417404	Gmdrm	hypo	CHG	-0.6455
Gm13	23442186	23442264	Gmdrm	hypo	CHG	-0.845
Gm13	23451696	23452079	Gmdrm	hypo	CHG	-0.5846
Gm13	23452624	23452825	Gmdrm	hypo	CHG	-0.846
Gm13	23455000	23455280	Gmdrm	hypo	CHG	-0.7937
Gm13	23455498	23455769	Gmdrm	hypo	CHG	-0.6816
Gm13	23455999	23456228	Gmdrm	hypo	CHG	-0.0712
Gm13	23457254	23457520	Gmdrm	hypo	CHG	-0.2367
Gm13	23502806	23502906	Gmdrm	hypo	CHG	-0.024
Gm13	23520523	23520662	Gmdrm	hypo	CHG	-0.6275
Gm13	23542220	23542420	Gmdrm	hypo	CHG	-0.7844
Gm13	23543602	23543798	Gmdrm	hypo	CHG	-0.3384
Gm13	23555761	23555932	Gmdrm	hypo	CHG	-0.2867
Gm13	23556121	23556337	Gmdrm	hypo	CHG	-0.2623
Gm13	23579247	23579295	Gmdrm	hypo	CHG	-0.6837
Gm13	23594603	23594769	Gmdrm	hypo	CHG	-0.3267
Gm13	23595487	23595628	Gmdrm	hypo	CHG	-0.064
Gm13	23605788	23605973	Gmdrm	hypo	CHG	-0.0384
Gm13	23613376	23613469	Gmdrm	hypo	CHG	-0.454
Gm13	23614286	23614384	Gmdrm	hypo	CHG	-0.2
Gm13	23650919	23651180	Gmdrm	hypo	CHG	-0.42
Gm13	23678113	23678564	Gmdrm	hypo	CHG	-0.5026
Gm13	23681724	23681757	Gmdrm	hypo	CHG	-0.57
Gm13	23688677	23688741	Gmdrm	hypo	CHG	-0.82
Gm13	23698510	23698611	Gmdrm	hypo	CHG	-0.382
Gm13	23699069	23699187	Gmdrm	hypo	CHG	-0.87
Gm13	23719600	23719721	Gmdrm	hypo	CHG	-0.8907
Gm13	23719900	23720159	Gmdrm	hypo	CHG	-0.8842
Gm13	23740850	23740906	Gmdrm	hypo	CHG	-0.748
Gm13	23741069	23741173	Gmdrm	hypo	CHG	-0.4783
Gm13	23744208	23744435	Gmdrm	hypo	CHG	-0.6428
Gm13	23754837	23754996	Gmdrm	hypo	CHG	-0.048
Gm13	23790117	23790464	Gmdrm	hypo	CHG	-0.1042
Gm13	23792080	23792168	Gmdrm	hypo	CHG	-0.072
Gm13	23818355	23818656	Gmdrm	hypo	CHG	-0.0973

Gm13	23843790	23843874	Gmdrm	hypo	CHG	-0.43
Gm13	23844199	23844280	Gmdrm	hypo	CHG	-0.306
Gm13	23846892	23846959	Gmdrm	hypo	CHG	-0.55
Gm13	23858475	23858537	Gmdrm	hypo	CHG	-0.74
Gm13	23859465	23859580	Gmdrm	hypo	CHG	-0.7818
Gm13	23867859	23868085	Gmdrm	hypo	CHG	-0.4587
Gm13	23868197	23868360	Gmdrm	hypo	CHG	-0.1387
Gm13	23869758	23869861	Gmdrm	hypo	CHG	-0.376
Gm13	23872169	23872402	Gmdrm	hypo	CHG	-0.455
Gm13	23887484	23887516	Gmdrm	hypo	CHG	-0.576
Gm13	23902704	23902943	Gmdrm	hypo	CHG	-0.184
Gm13	23915782	23915883	Gmdrm	hypo	CHG	-0.49
Gm13	23926705	23926854	Gmdrm	hypo	CHG	-0.756
Gm13	23933304	23933924	Gmdrm	hypo	CHG	-0.0328
Gm13	23942110	23942155	Gmdrm	hypo	CHG	-0.4514
Gm13	23942378	23942727	Gmdrm	hypo	CHG	-0.7654
Gm13	23942977	23943119	Gmdrm	hypo	CHG	-0.7857
Gm13	23956601	23956733	Gmdrm	hypo	CHG	-0.6937
Gm13	23967696	23967953	Gmdrm	hypo	CHG	-0.2433
Gm13	23968188	23968209	Gmdrm	hypo	CHG	-0.1
Gm13	23975082	23975129	Gmdrm	hypo	CHG	-0.5817
Gm13	23991836	23992022	Gmdrm	hypo	CHG	-0.64
Gm13	23992325	23992339	Gmdrm	hypo	CHG	-0.2083
Gm13	23997833	23997992	Gmdrm	hypo	CHG	-0.47
Gm13	24008142	24008222	Gmdrm	hypo	CHG	-0.8645
Gm13	24009213	24009481	Gmdrm	hypo	CHG	-0.0388
Gm13	24011513	24011649	Gmdrm	hypo	CHG	-0.4167
Gm13	24014338	24014398	Gmdrm	hypo	CHG	-0.8825
Gm13	24014755	24014966	Gmdrm	hypo	CHG	-0.5556
Gm13	24015072	24015196	Gmdrm	hypo	CHG	-0.4818
Gm13	24015310	24015415	Gmdrm	hypo	CHG	-0.73
Gm13	24055607	24055768	Gmdrm	hypo	CHG	-0.5571
Gm13	24056013	24056508	Gmdrm	hypo	CHG	-0.566
Gm13	24074823	24075321	Gmdrm	hypo	CHG	-0.0383
Gm13	24075919	24076099	Gmdrm	hypo	CHG	-0.2944
Gm13	24079929	24080161	Gmdrm	hypo	CHG	-0.8532
Gm13	24080538	24080613	Gmdrm	hypo	CHG	-0.162
Gm13	24085328	24085350	Gmdrm	hypo	CHG	-0.6462
Gm13	24090367	24090659	Gmdrm	hypo	CHG	-0.505
Gm13	24125635	24125931	Gmdrm	hypo	CHG	-0.1722
Gm13	24126084	24126232	Gmdrm	hypo	CHG	-0.0283
Gm13	24132871	24132956	Gmdrm	hypo	CHG	-0.0358
Gm13	24133106	24133515	Gmdrm	hypo	CHG	-0.0328
Gm13	24141712	24142283	Gmdrm	hypo	CHG	-0.3946
Gm13	24142408	24142561	Gmdrm	hypo	CHG	-0.3225
Gm13	24143599	24143817	Gmdrm	hypo	CHG	-0.0437

Gm13	24144796	24145011	Gmdrm	hypo	CHG	-0.1663
Gm13	24148085	24148487	Gmdrm	hypo	CHG	-0.6127
Gm13	24148623	24148965	Gmdrm	hypo	CHG	-0.5737
Gm13	24160890	24161211	Gmdrm	hypo	CHG	-0.5543
Gm13	24162382	24162646	Gmdrm	hypo	CHG	-0.3174
Gm13	24162872	24162933	Gmdrm	hypo	CHG	-0.372
Gm13	24182240	24182786	Gmdrm	hypo	CHG	-0.5533
Gm13	24193387	24193547	Gmdrm	hypo	CHG	-0.3315
Gm13	24216592	24216701	Gmdrm	hypo	CHG	-0.566
Gm13	24229851	24230450	Gmdrm	hypo	CHG	-0.1914
Gm13	24243138	24243299	Gmdrm	hypo	CHG	-0.05
Gm13	24245503	24245564	Gmdrm	hypo	CHG	-0.774
Gm13	24254632	24254810	Gmdrm	hypo	CHG	-0.8481
Gm13	24255093	24255349	Gmdrm	hypo	CHG	-0.57
Gm13	24257074	24257098	Gmdrm	hypo	CHG	-0.522
Gm13	24259346	24259488	Gmdrm	hypo	CHG	-0.526
Gm13	24276919	24277106	Gmdrm	hypo	CHG	-0.054
Gm13	24278804	24278834	Gmdrm	hypo	CHG	-0.805
Gm13	24285186	24285346	Gmdrm	hypo	CHG	-0.4475
Gm13	24295267	24295494	Gmdrm	hypo	CHG	-0.6625
Gm13	24297153	24297203	Gmdrm	hypo	CHG	-0.188
Gm13	24297311	24297383	Gmdrm	hypo	CHG	-0.57
Gm13	24310252	24310464	Gmdrm	hypo	CHG	-0.1785
Gm13	24339620	24339761	Gmdrm	hypo	CHG	-0.3844
Gm13	24341873	24342086	Gmdrm	hypo	CHG	-0.78
Gm13	24344495	24344750	Gmdrm	hypo	CHG	-0.656
Gm13	24348568	24348583	Gmdrm	hypo	CHG	-0.3
Gm13	24348904	24348936	Gmdrm	hypo	CHG	-0.546
Gm13	24356611	24356830	Gmdrm	hypo	CHG	-0.3633
Gm13	24359454	24359507	Gmdrm	hypo	CHG	-0.752
Gm13	24370228	24370379	Gmdrm	hypo	CHG	-0.5978
Gm13	24395407	24395519	Gmdrm	hypo	CHG	-0.1333
Gm13	24421796	24422141	Gmdrm	hypo	CHG	-0.5567
Gm13	24422266	24422492	Gmdrm	hypo	CHG	-0.7022
Gm13	24422621	24422839	Gmdrm	hypo	CHG	-0.4373
Gm13	24429147	24429242	Gmdrm	hypo	CHG	-0.775
Gm13	24429595	24429745	Gmdrm	hypo	CHG	-0.2926
Gm13	24430403	24430501	Gmdrm	hypo	CHG	-0.23
Gm13	24431931	24432035	Gmdrm	hypo	CHG	-0.468
Gm13	24435543	24435778	Gmdrm	hypo	CHG	-0.0506
Gm13	24441441	24441574	Gmdrm	hypo	CHG	-0.106
Gm13	24442222	24442450	Gmdrm	hypo	CHG	-0.8559
Gm13	24445670	24445794	Gmdrm	hypo	CHG	-0.568
Gm13	24447217	24447455	Gmdrm	hypo	CHG	-0.6104
Gm13	24453282	24453430	Gmdrm	hypo	CHG	-0.6793
Gm13	24463436	24463857	Gmdrm	hypo	CHG	-0.2925

Gm13	24464252	24464455	Gmdrm	hypo	CHG	-0.382
Gm13	24471095	24471284	Gmdrm	hypo	CHG	-0.6643
Gm13	24477782	24477911	Gmdrm	hypo	CHG	-0.0456
Gm13	24492227	24492917	Gmdrm	hypo	CHG	-0.5719
Gm13	24493070	24493202	Gmdrm	hypo	CHG	-0.6025
Gm13	24497486	24497697	Gmdrm	hypo	CHG	-0.4347
Gm13	24505215	24505307	Gmdrm	hypo	CHG	-0.3589
Gm13	24524237	24524278	Gmdrm	hypo	CHG	-0.5967
Gm13	24547556	24547716	Gmdrm	hypo	CHG	-0.9008
Gm13	24548143	24548151	Gmdrm	hypo	CHG	-0.5517
Gm13	24548368	24548521	Gmdrm	hypo	CHG	-0.715
Gm13	24548995	24549404	Gmdrm	hypo	CHG	-0.7813
Gm13	24561207	24561467	Gmdrm	hypo	CHG	-0.085
Gm13	24565261	24565336	Gmdrm	hypo	CHG	-0.2616
Gm13	24580320	24580944	Gmdrm	hypo	CHG	-0.0275
Gm13	24583595	24583873	Gmdrm	hypo	CHG	-0.0438
Gm13	24599123	24599737	Gmdrm	hypo	CHG	-0.2235
Gm13	24602906	24603003	Gmdrm	hypo	CHG	-0.4471
Gm13	24603186	24603471	Gmdrm	hypo	CHG	-0.798
Gm13	24613420	24613528	Gmdrm	hypo	CHG	-0.7517
Gm13	24616109	24616236	Gmdrm	hypo	CHG	-0.26
Gm13	24616345	24616437	Gmdrm	hypo	CHG	-0.36
Gm13	24618314	24618684	Gmdrm	hypo	CHG	-0.7394
Gm13	24618873	24619131	Gmdrm	hypo	CHG	-0.7274
Gm13	24623157	24623286	Gmdrm	hypo	CHG	-0.1557
Gm13	24628789	24628954	Gmdrm	hypo	CHG	-0.5067
Gm13	24631393	24631558	Gmdrm	hypo	CHG	-0.31
Gm13	24632109	24632311	Gmdrm	hypo	CHG	-0.3928
Gm13	24633548	24633650	Gmdrm	hypo	CHG	-0.0417
Gm13	24645604	24645841	Gmdrm	hypo	CHG	-0.5006
Gm13	24646105	24646364	Gmdrm	hypo	CHG	-0.4965
Gm13	24664066	24664282	Gmdrm	hypo	CHG	-0.3017
Gm13	24674627	24674773	Gmdrm	hypo	CHG	-0.0578
Gm13	24683519	24683583	Gmdrm	hypo	CHG	-0.85
Gm13	24683691	24683875	Gmdrm	hypo	CHG	-0.775
Gm13	24693363	24693456	Gmdrm	hypo	CHG	-0.59
Gm13	24693566	24693888	Gmdrm	hypo	CHG	-0.8594
Gm13	24694102	24694268	Gmdrm	hypo	CHG	-0.87
Gm13	24698885	24699530	Gmdrm	hypo	CHG	-0.5965
Gm13	24699987	24700256	Gmdrm	hypo	CHG	-0.2775
Gm13	24706295	24706339	Gmdrm	hypo	CHG	-0.765
Gm13	24734973	24735173	Gmdrm	hypo	CHG	-0.326
Gm13	24739289	24740000	Gmdrm	hypo	CHG	-0.3741
Gm13	24741313	24741443	Gmdrm	hypo	CHG	-0.8233
Gm13	24747296	24747561	Gmdrm	hypo	CHG	-0.5833
Gm13	24765154	24765326	Gmdrm	hypo	CHG	-0.39

Gm13	24776847	24777182	Gmdrm	hypo	CHG	-0.0565
Gm13	24786328	24786626	Gmdrm	hypo	CHG	-0.543
Gm13	24786825	24787197	Gmdrm	hypo	CHG	-0.5175
Gm13	24798901	24799332	Gmdrm	hypo	CHG	-0.3352
Gm13	24807886	24808135	Gmdrm	hypo	CHG	-0.05
Gm13	24811865	24812054	Gmdrm	hypo	CHG	-0.3733
Gm13	24812209	24812296	Gmdrm	hypo	CHG	-0.4066
Gm13	24812504	24812649	Gmdrm	hypo	CHG	-0.4344
Gm13	24814205	24814467	Gmdrm	hypo	CHG	-0.381
Gm13	24814716	24814833	Gmdrm	hypo	CHG	-0.556
Gm13	24815016	24815256	Gmdrm	hypo	CHG	-0.4733
Gm13	24815428	24815602	Gmdrm	hypo	CHG	-0.625
Gm13	24815842	24815892	Gmdrm	hypo	CHG	-0.29
Gm13	24834670	24834849	Gmdrm	hypo	CHG	-0.036
Gm13	24856949	24857214	Gmdrm	hypo	CHG	-0.646
Gm13	24857564	24857708	Gmdrm	hypo	CHG	-0.578
Gm13	24858960	24859040	Gmdrm	hypo	CHG	-0.536
Gm13	24873372	24873615	Gmdrm	hypo	CHG	-0.6061
Gm13	24897494	24897781	Gmdrm	hypo	CHG	-0.1665
Gm13	24909097	24909223	Gmdrm	hypo	CHG	-0.0286
Gm13	24931017	24931134	Gmdrm	hypo	CHG	-0.109
Gm13	24937507	24937728	Gmdrm	hypo	CHG	-0.5611
Gm13	24938033	24938184	Gmdrm	hypo	CHG	-0.6513
Gm13	24953054	24953431	Gmdrm	hypo	CHG	-0.625
Gm13	24965193	24965632	Gmdrm	hypo	CHG	-0.2595
Gm13	24970378	24970453	Gmdrm	hypo	CHG	-0.7925
Gm13	24970566	24970793	Gmdrm	hypo	CHG	-0.085
Gm13	24988271	24988381	Gmdrm	hypo	CHG	-0.3867
Gm13	24993782	24994222	Gmdrm	hypo	CHG	-0.7228
Gm13	25005195	25005392	Gmdrm	hypo	CHG	-0.032
Gm13	25022706	25022857	Gmdrm	hypo	CHG	-0.5962
Gm13	25040015	25040364	Gmdrm	hypo	CHG	-0.2954
Gm13	25041081	25041205	Gmdrm	hypo	CHG	-0.058
Gm13	25041558	25041817	Gmdrm	hypo	CHG	-0.12
Gm13	25057006	25057163	Gmdrm	hypo	CHG	-0.32
Gm13	25083039	25083081	Gmdrm	hypo	CHG	-0.738
Gm13	25087382	25087560	Gmdrm	hypo	CHG	-0.3117
Gm13	25104033	25104546	Gmdrm	hypo	CHG	-0.0307
Gm13	25106133	25106288	Gmdrm	hypo	CHG	-0.546
Gm13	25106522	25106858	Gmdrm	hypo	CHG	-0.3192
Gm13	25107075	25107268	Gmdrm	hypo	CHG	-0.4245
Gm13	25109100	25109174	Gmdrm	hypo	CHG	-0.4628
Gm13	25118673	25118760	Gmdrm	hypo	CHG	-0.518
Gm13	25141888	25142354	Gmdrm	hypo	CHG	-0.6524
Gm13	25142493	25142615	Gmdrm	hypo	CHG	-0.2749
Gm13	25142795	25142973	Gmdrm	hypo	CHG	-0.186

Gm13	25144416	25144456	Gmdrm	hypo	CHG	-0.68
Gm13	25155261	25155427	Gmdrm	hypo	CHG	-0.6126
Gm13	25155613	25155886	Gmdrm	hypo	CHG	-0.2437
Gm13	25163345	25163510	Gmdrm	hypo	CHG	-0.6189
Gm13	25177304	25177409	Gmdrm	hypo	CHG	-0.3225
Gm13	25178073	25178169	Gmdrm	hypo	CHG	-0.1057
Gm13	25201447	25201618	Gmdrm	hypo	CHG	-0.5537
Gm13	25228740	25228908	Gmdrm	hypo	CHG	-0.6505
Gm13	25244581	25244859	Gmdrm	hypo	CHG	-0.3589
Gm13	25261225	25261271	Gmdrm	hypo	CHG	-0.62
Gm13	25271249	25272227	Gmdrm	hypo	CHG	-0.2236
Gm13	25272318	25272798	Gmdrm	hypo	CHG	-0.046
Gm13	25276017	25276529	Gmdrm	hypo	CHG	-0.03
Gm13	25282603	25282714	Gmdrm	hypo	CHG	-0.1171
Gm13	25292068	25292174	Gmdrm	hypo	CHG	-0.534
Gm13	25294049	25294304	Gmdrm	hypo	CHG	-0.668
Gm13	25320460	25320884	Gmdrm	hypo	CHG	-0.2688
Gm13	25342156	25342338	Gmdrm	hypo	CHG	-0.7373
Gm13	25342721	25342744	Gmdrm	hypo	CHG	-0.8767
Gm13	25369827	25370053	Gmdrm	hypo	CHG	-0.4456
Gm13	25376235	25376375	Gmdrm	hypo	CHG	-0.2464
Gm13	25391714	25391859	Gmdrm	hypo	CHG	-0.09
Gm13	25405041	25405299	Gmdrm	hypo	CHG	-0.8333
Gm13	25409905	25410149	Gmdrm	hypo	CHG	-0.0437
Gm13	25412135	25412318	Gmdrm	hypo	CHG	-0.03
Gm13	25429594	25430037	Gmdrm	hypo	CHG	-0.1016
Gm13	25457845	25457936	Gmdrm	hypo	CHG	-0.0343
Gm13	25466114	25466285	Gmdrm	hypo	CHG	-0.775
Gm13	25475131	25475529	Gmdrm	hypo	CHG	-0.1695
Gm13	25477886	25478139	Gmdrm	hypo	CHG	-0.8386
Gm13	25478240	25478397	Gmdrm	hypo	CHG	-0.7867
Gm13	25479641	25479720	Gmdrm	hypo	CHG	-0.7238
Gm13	25500261	25500440	Gmdrm	hypo	CHG	-0.0343
Gm13	25512969	25513209	Gmdrm	hypo	CHG	-0.6539
Gm13	25513527	25513699	Gmdrm	hypo	CHG	-0.7015
Gm13	25529284	25529581	Gmdrm	hypo	CHG	-0.514
Gm13	25532367	25532406	Gmdrm	hypo	CHG	-0.1484
Gm13	25549368	25549598	Gmdrm	hypo	CHG	-0.0589
Gm13	25552563	25552825	Gmdrm	hypo	CHG	-0.4917
Gm13	25558849	25559002	Gmdrm	hypo	CHG	-0.594
Gm13	25589611	25589913	Gmdrm	hypo	CHG	-0.035
Gm13	25601864	25602256	Gmdrm	hypo	CHG	-0.1843
Gm13	25602661	25602855	Gmdrm	hypo	CHG	-0.2269
Gm13	25605029	25605396	Gmdrm	hypo	CHG	-0.1586
Gm13	25608929	25609047	Gmdrm	hypo	CHG	-0.4688
Gm13	25624155	25624202	Gmdrm	hypo	CHG	-0.776

Gm13	25624457	25624496	Gmdrm	hypo	CHG	-0.882
Gm13	25631052	25631420	Gmdrm	hypo	CHG	-0.2947
Gm13	25650779	25650970	Gmdrm	hypo	CHG	-0.862
Gm13	25655271	25655349	Gmdrm	hypo	CHG	-0.7026
Gm13	25655451	25655519	Gmdrm	hypo	CHG	-0.762
Gm13	25655926	25656172	Gmdrm	hypo	CHG	-0.2624
Gm13	25662426	25662737	Gmdrm	hypo	CHG	-0.3711
Gm13	25671175	25671284	Gmdrm	hypo	CHG	-0.098
Gm13	25705090	25705242	Gmdrm	hypo	CHG	-0.1088
Gm13	25713407	25713512	Gmdrm	hypo	CHG	-0.1143
Gm13	25716921	25716974	Gmdrm	hypo	CHG	-0.3683
Gm13	25720244	25720528	Gmdrm	hypo	CHG	-0.487
Gm13	25722636	25723596	Gmdrm	hypo	CHG	-0.0913
Gm13	25723779	25723819	Gmdrm	hypo	CHG	-0.7567
Gm13	25729855	25730033	Gmdrm	hypo	CHG	-0.6067
Gm13	25849087	25849103	Gmdrm	hypo	CHG	-0.74
Gm13	25855613	25855637	Gmdrm	hypo	CHG	-0.052
Gm13	25866607	25866721	Gmdrm	hypo	CHG	-0.58
Gm13	25866845	25867149	Gmdrm	hypo	CHG	-0.5795
Gm13	25872006	25872147	Gmdrm	hypo	CHG	-0.36
Gm13	25873538	25873641	Gmdrm	hypo	CHG	-0.4183
Gm13	25875922	25876050	Gmdrm	hypo	CHG	-0.4457
Gm13	25876173	25876362	Gmdrm	hypo	CHG	-0.3071
Gm13	25880875	25881260	Gmdrm	hypo	CHG	-0.6654
Gm13	25881696	25882013	Gmdrm	hypo	CHG	-0.2658
Gm13	25887632	25888619	Gmdrm	hypo	CHG	-0.1496
Gm13	25892144	25892343	Gmdrm	hypo	CHG	-0.7036
Gm13	25892463	25892616	Gmdrm	hypo	CHG	-0.8211
Gm13	25901362	25901470	Gmdrm	hypo	CHG	-0.46
Gm13	25902213	25902376	Gmdrm	hypo	CHG	-0.7533
Gm13	25902505	25902607	Gmdrm	hypo	CHG	-0.3133
Gm13	25919129	25919336	Gmdrm	hypo	CHG	-0.65
Gm13	25928001	25928145	Gmdrm	hypo	CHG	-0.066
Gm13	25931364	25932090	Gmdrm	hypo	CHG	-0.3618
Gm13	25973068	25973162	Gmdrm	hypo	CHG	-0.5883
Gm13	25978773	25979003	Gmdrm	hypo	CHG	-0.38
Gm13	25979743	25979898	Gmdrm	hypo	CHG	-0.0783
Gm13	25985510	25985705	Gmdrm	hypo	CHG	-0.0383
Gm13	26004859	26005078	Gmdrm	hypo	CHG	-0.2654
Gm13	26006480	26006580	Gmdrm	hypo	CHG	-0.3569
Gm13	26021588	26021732	Gmdrm	hypo	CHG	-0.3075
Gm13	26021843	26021900	Gmdrm	hypo	CHG	-0.3543
Gm13	26022014	26022091	Gmdrm	hypo	CHG	-0.6133
Gm13	26022196	26022250	Gmdrm	hypo	CHG	-0.652
Gm13	26022360	26022648	Gmdrm	hypo	CHG	-0.6228
Gm13	26022917	26023018	Gmdrm	hypo	CHG	-0.212

Gm13	26030995	26031219	Gmdrm	hypo	CHG	-0.0655
Gm13	26033803	26034803	Gmdrm	hypo	CHG	-0.2537
Gm13	26050767	26050840	Gmdrm	hypo	CHG	-0.42
Gm13	26073877	26074019	Gmdrm	hypo	CHG	-0.3734
Gm13	26074502	26074844	Gmdrm	hypo	CHG	-0.6544
Gm13	26079839	26079968	Gmdrm	hypo	CHG	-0.776
Gm13	26080341	26080518	Gmdrm	hypo	CHG	-0.6133
Gm13	26081188	26081396	Gmdrm	hypo	CHG	-0.3046
Gm13	26083528	26083635	Gmdrm	hypo	CHG	-0.6429
Gm13	26085513	26086044	Gmdrm	hypo	CHG	-0.0329
Gm13	26107915	26108146	Gmdrm	hypo	CHG	-0.3634
Gm13	26115594	26115615	Gmdrm	hypo	CHG	-0.325
Gm13	26118819	26118891	Gmdrm	hypo	CHG	-0.034
Gm13	26121967	26122219	Gmdrm	hypo	CHG	-0.3443
Gm13	26124896	26125133	Gmdrm	hypo	CHG	-0.4734
Gm13	26142780	26143004	Gmdrm	hypo	CHG	-0.453
Gm13	26143170	26143506	Gmdrm	hypo	CHG	-0.4486
Gm13	26145252	26145559	Gmdrm	hypo	CHG	-0.4292
Gm13	26146102	26146190	Gmdrm	hypo	CHG	-0.8833
Gm13	26152038	26152600	Gmdrm	hypo	CHG	-0.496
Gm13	26153829	26153964	Gmdrm	hypo	CHG	-0.24
Gm13	26161341	26161885	Gmdrm	hypo	CHG	-0.3553
Gm13	26162000	26162157	Gmdrm	hypo	CHG	-0.05
Gm13	26170817	26171033	Gmdrm	hypo	CHG	-0.038
Gm13	26183827	26183875	Gmdrm	hypo	CHG	-0.22
Gm13	26200456	26200680	Gmdrm	hypo	CHG	-0.6746
Gm13	26210096	26210252	Gmdrm	hypo	CHG	-0.5367
Gm13	26223398	26223582	Gmdrm	hypo	CHG	-0.121
Gm13	26224539	26225054	Gmdrm	hypo	CHG	-0.2563
Gm13	26225221	26225669	Gmdrm	hypo	CHG	-0.083
Gm13	26255919	26256046	Gmdrm	hypo	CHG	-0.1537
Gm13	26256421	26256561	Gmdrm	hypo	CHG	-0.7216
Gm13	26269657	26269680	Gmdrm	hypo	CHG	-0.55
Gm13	26270570	26270686	Gmdrm	hypo	CHG	-0.6417
Gm13	26280272	26280347	Gmdrm	hypo	CHG	-0.1683
Gm13	26327423	26327632	Gmdrm	hypo	CHG	-0.23
Gm13	26340899	26341091	Gmdrm	hypo	CHG	-0.0455
Gm13	26352290	26352590	Gmdrm	hypo	CHG	-0.6931
Gm13	26356175	26356340	Gmdrm	hypo	CHG	-0.8682
Gm13	26356857	26356916	Gmdrm	hypo	CHG	-0.8233
Gm13	26367815	26367897	Gmdrm	hypo	CHG	-0.36
Gm13	26387563	26387722	Gmdrm	hypo	CHG	-0.6511
Gm13	26387909	26388187	Gmdrm	hypo	CHG	-0.608
Gm13	26388321	26388466	Gmdrm	hypo	CHG	-0.5029
Gm13	26395929	26395984	Gmdrm	hypo	CHG	-0.0711
Gm13	26431857	26432026	Gmdrm	hypo	CHG	-0.7642

Gm13	26441586	26442012	Gmdrm	hypo	CHG	-0.4986
Gm13	26454388	26454542	Gmdrm	hypo	CHG	-0.8989
Gm13	26454736	26454787	Gmdrm	hypo	CHG	-0.9817
Gm13	26483125	26483415	Gmdrm	hypo	CHG	-0.2145
Gm13	26483899	26484117	Gmdrm	hypo	CHG	-0.8055
Gm13	26484319	26484413	Gmdrm	hypo	CHG	-0.5143
Gm13	26484656	26484679	Gmdrm	hypo	CHG	-0.725
Gm13	26487899	26488087	Gmdrm	hypo	CHG	-0.3887
Gm13	26502781	26503034	Gmdrm	hypo	CHG	-0.034
Gm13	26506230	26506343	Gmdrm	hypo	CHG	-0.4571
Gm13	26507169	26507366	Gmdrm	hypo	CHG	-0.3575
Gm13	26507618	26507683	Gmdrm	hypo	CHG	-0.6675
Gm13	26526911	26527132	Gmdrm	hypo	CHG	-0.0517
Gm13	26528253	26528451	Gmdrm	hypo	CHG	-0.5536
Gm13	26553851	26554094	Gmdrm	hypo	CHG	-0.41
Gm13	26554345	26554591	Gmdrm	hypo	CHG	-0.4013
Gm13	26555366	26555432	Gmdrm	hypo	CHG	-0.2366
Gm13	26557102	26557319	Gmdrm	hypo	CHG	-0.04
Gm13	26557783	26558385	Gmdrm	hypo	CHG	-0.2836
Gm13	26560544	26561331	Gmdrm	hypo	CHG	-0.2903
Gm13	26561913	26562160	Gmdrm	hypo	CHG	-0.214
Gm13	26562531	26563483	Gmdrm	hypo	CHG	-0.2642
Gm13	26563806	26564306	Gmdrm	hypo	CHG	-0.0393
Gm13	26566413	26566602	Gmdrm	hypo	CHG	-0.1633
Gm13	26574546	26575192	Gmdrm	hypo	CHG	-0.1733
Gm13	26575327	26575643	Gmdrm	hypo	CHG	-0.1114
Gm13	26579288	26580270	Gmdrm	hypo	CHG	-0.1748
Gm13	26580750	26581687	Gmdrm	hypo	CHG	-0.1832
Gm13	26591147	26591162	Gmdrm	hypo	CHG	-0.752
Gm13	26612888	26613202	Gmdrm	hypo	CHG	-0.2557
Gm13	26614902	26614991	Gmdrm	hypo	CHG	-0.068
Gm13	26618680	26618707	Gmdrm	hypo	CHG	-0.8414
Gm13	26632671	26632833	Gmdrm	hypo	CHG	-0.5486
Gm13	26632954	26633449	Gmdrm	hypo	CHG	-0.7916
Gm13	26661906	26662144	Gmdrm	hypo	CHG	-0.3631
Gm13	26667684	26667714	Gmdrm	hypo	CHG	-0.044
Gm13	26671342	26671544	Gmdrm	hypo	CHG	-0.5449
Gm13	26683226	26683574	Gmdrm	hypo	CHG	-0.2336
Gm13	26685009	26685576	Gmdrm	hypo	CHG	-0.6745
Gm13	26687066	26687701	Gmdrm	hypo	CHG	-0.2656
Gm13	26696804	26697562	Gmdrm	hypo	CHG	-0.4103
Gm13	26700224	26700260	Gmdrm	hypo	CHG	-0.496
Gm13	26708255	26708561	Gmdrm	hypo	CHG	-0.0413
Gm13	26724920	26725124	Gmdrm	hypo	CHG	-0.511
Gm13	26732057	26732132	Gmdrm	hypo	CHG	-0.8624
Gm13	26735154	26735392	Gmdrm	hypo	CHG	-0.5944

Gm13	26743925	26744890	Gmdrm	hypo	CHG	-0.1879
Gm13	26751930	26752046	Gmdrm	hypo	CHG	-0.5475
Gm13	26770001	26770374	Gmdrm	hypo	CHG	-0.51
Gm13	26804195	26804338	Gmdrm	hypo	CHG	-0.5183
Gm13	26805459	26805877	Gmdrm	hypo	CHG	-0.3996
Gm13	26805983	26806004	Gmdrm	hypo	CHG	-0.77
Gm13	26810569	26810656	Gmdrm	hypo	CHG	-0.0237
Gm13	26825466	26825560	Gmdrm	hypo	CHG	-0.7767
Gm13	26825685	26825741	Gmdrm	hypo	CHG	-0.86
Gm13	26831438	26831574	Gmdrm	hypo	CHG	-0.4934
Gm13	26854634	26854887	Gmdrm	hypo	CHG	-0.062
Gm13	26871338	26871408	Gmdrm	hypo	CHG	-0.098
Gm13	26871692	26871854	Gmdrm	hypo	CHG	-0.224
Gm13	26878049	26878183	Gmdrm	hypo	CHG	-0.4557
Gm13	26899135	26899230	Gmdrm	hypo	CHG	-0.03
Gm13	26899564	26900138	Gmdrm	hypo	CHG	-0.208
Gm13	26903077	26903135	Gmdrm	hypo	CHG	-0.6457
Gm13	26906510	26906581	Gmdrm	hypo	CHG	-0.628
Gm13	26906998	26907337	Gmdrm	hypo	CHG	-0.3339
Gm13	26913937	26914021	Gmdrm	hypo	CHG	-0.04
Gm13	26923416	26923577	Gmdrm	hypo	CHG	-0.06
Gm13	26928805	26929074	Gmdrm	hypo	CHG	-0.17
Gm13	26962452	26962793	Gmdrm	hypo	CHG	-0.4807
Gm13	26962896	26963079	Gmdrm	hypo	CHG	-0.4714
Gm13	26967077	26967287	Gmdrm	hypo	CHG	-0.19
Gm13	26967430	26967657	Gmdrm	hypo	CHG	-0.557
Gm13	26971104	26971298	Gmdrm	hypo	CHG	-0.0467
Gm13	27009481	27009573	Gmdrm	hypo	CHG	-0.8117
Gm13	27010008	27010144	Gmdrm	hypo	CHG	-0.5443
Gm13	27023429	27023780	Gmdrm	hypo	CHG	-0.296
Gm13	27027250	27027464	Gmdrm	hypo	CHG	-0.0317
Gm13	27046747	27046949	Gmdrm	hypo	CHG	-0.04
Gm13	27047381	27047733	Gmdrm	hypo	CHG	-0.1134
Gm13	27050888	27051879	Gmdrm	hypo	CHG	-0.4304
Gm13	27051983	27052443	Gmdrm	hypo	CHG	-0.502
Gm13	27054770	27055029	Gmdrm	hypo	CHG	-0.829
Gm13	27055166	27055274	Gmdrm	hypo	CHG	-0.9489
Gm13	27066886	27067085	Gmdrm	hypo	CHG	-0.5291
Gm13	27070077	27070254	Gmdrm	hypo	CHG	-0.5372
Gm13	27090564	27091017	Gmdrm	hypo	CHG	-0.0493
Gm13	27091706	27091981	Gmdrm	hypo	CHG	-0.249
Gm13	27094494	27094723	Gmdrm	hypo	CHG	-0.2522
Gm13	27103297	27103684	Gmdrm	hypo	CHG	-0.4569
Gm13	27105367	27105991	Gmdrm	hypo	CHG	-0.154
Gm13	27115292	27115825	Gmdrm	hypo	CHG	-0.109
Gm13	27126972	27127402	Gmdrm	hypo	CHG	-0.238

Gm13	27127699	27128119	Gmdrm	hypo	CHG	-0.6163
Gm13	27134125	27134286	Gmdrm	hypo	CHG	-0.8212
Gm13	27135359	27135552	Gmdrm	hypo	CHG	-0.7
Gm13	27136837	27137151	Gmdrm	hypo	CHG	-0.0785
Gm13	27140490	27140574	Gmdrm	hypo	CHG	-0.1333
Gm13	27193606	27194082	Gmdrm	hypo	CHG	-0.1156
Gm13	27194645	27194834	Gmdrm	hypo	CHG	-0.08
Gm13	27200179	27200352	Gmdrm	hypo	CHG	-0.1117
Gm13	27216810	27216926	Gmdrm	hypo	CHG	-0.255
Gm13	27217896	27218012	Gmdrm	hypo	CHG	-0.7067
Gm13	27224399	27224598	Gmdrm	hypo	CHG	-0.2213
Gm13	27239006	27239379	Gmdrm	hypo	CHG	-0.0487
Gm13	27260350	27260598	Gmdrm	hypo	CHG	-0.6434
Gm13	27260858	27261236	Gmdrm	hypo	CHG	-0.636
Gm13	27280245	27280468	Gmdrm	hypo	CHG	-0.25
Gm13	27285840	27285945	Gmdrm	hypo	CHG	-0.2771
Gm13	27290057	27290334	Gmdrm	hypo	CHG	-0.8454
Gm13	27295279	27295660	Gmdrm	hypo	CHG	-0.8093
Gm13	27295767	27295945	Gmdrm	hypo	CHG	-0.6946
Gm13	27296189	27296775	Gmdrm	hypo	CHG	-0.7961
Gm13	27326922	27327074	Gmdrm	hypo	CHG	-0.0372
Gm13	27337398	27337571	Gmdrm	hypo	CHG	-0.128
Gm13	27341197	27341289	Gmdrm	hypo	CHG	-0.075
Gm13	27342374	27342481	Gmdrm	hypo	CHG	-0.175
Gm13	27343090	27343218	Gmdrm	hypo	CHG	-0.6977
Gm13	27343783	27343868	Gmdrm	hypo	CHG	-0.4783
Gm13	27344018	27344662	Gmdrm	hypo	CHG	-0.2138
Gm13	27346327	27346490	Gmdrm	hypo	CHG	-0.93
Gm13	27346613	27346681	Gmdrm	hypo	CHG	-0.898
Gm13	27346807	27346881	Gmdrm	hypo	CHG	-0.0833
Gm13	27352249	27352761	Gmdrm	hypo	CHG	-0.7427
Gm13	27353091	27353183	Gmdrm	hypo	CHG	-0.7143
Gm13	27353397	27353530	Gmdrm	hypo	CHG	-0.828
Gm13	27353698	27353736	Gmdrm	hypo	CHG	-0.075
Gm13	27398878	27398971	Gmdrm	hypo	CHG	-0.839
Gm13	27410996	27411112	Gmdrm	hypo	CHG	-0.6267
Gm13	27411466	27411636	Gmdrm	hypo	CHG	-0.3414
Gm13	27428424	27428643	Gmdrm	hypo	CHG	-0.306
Gm13	27436234	27436387	Gmdrm	hypo	CHG	-0.042
Gm13	27437132	27437226	Gmdrm	hypo	CHG	-0.072
Gm13	27442318	27442608	Gmdrm	hypo	CHG	-0.7472
Gm13	27442772	27442959	Gmdrm	hypo	CHG	-0.67
Gm13	27452040	27452363	Gmdrm	hypo	CHG	-0.0425
Gm13	27462032	27463015	Gmdrm	hypo	CHG	-0.1683
Gm13	27470403	27471224	Gmdrm	hypo	CHG	-0.4171
Gm13	27473035	27473196	Gmdrm	hypo	CHG	-0.6782

Gm13	27473662	27473826	Gmdrm	hypo	CHG	-0.69
Gm13	27474148	27474356	Gmdrm	hypo	CHG	-0.5576
Gm13	27493468	27493859	Gmdrm	hypo	CHG	-0.5536
Gm13	27494987	27495252	Gmdrm	hypo	CHG	-0.4964
Gm13	27495513	27495734	Gmdrm	hypo	CHG	-0.935
Gm13	27507641	27508537	Gmdrm	hypo	CHG	-0.1014
Gm13	27508639	27508882	Gmdrm	hypo	CHG	-0.362
Gm13	27546504	27546589	Gmdrm	hypo	CHG	-0.4072
Gm13	27559883	27560117	Gmdrm	hypo	CHG	-0.0218
Gm13	27563527	27563859	Gmdrm	hypo	CHG	-0.5537
Gm13	27568380	27568541	Gmdrm	hypo	CHG	-0.5695
Gm13	27568724	27568933	Gmdrm	hypo	CHG	-0.5319
Gm13	27569453	27569597	Gmdrm	hypo	CHG	-0.684
Gm13	27569878	27570089	Gmdrm	hypo	CHG	-0.595
Gm13	27577484	27577630	Gmdrm	hypo	CHG	-0.378
Gm13	27577922	27578193	Gmdrm	hypo	CHG	-0.4953
Gm13	27584878	27585108	Gmdrm	hypo	CHG	-0.0356
Gm13	27587355	27587700	Gmdrm	hypo	CHG	-0.3467
Gm13	27592758	27592923	Gmdrm	hypo	CHG	-0.456
Gm13	27599195	27600184	Gmdrm	hypo	CHG	-0.1741
Gm13	27616641	27616666	Gmdrm	hypo	CHG	-0.062
Gm13	27617439	27617939	Gmdrm	hypo	CHG	-0.0763
Gm13	27628725	27628840	Gmdrm	hypo	CHG	-0.336
Gm13	27657032	27657475	Gmdrm	hypo	CHG	-0.0275
Gm13	27677824	27678457	Gmdrm	hypo	CHG	-0.7344
Gm13	27678947	27679014	Gmdrm	hypo	CHG	-0.7543
Gm13	27683930	27684300	Gmdrm	hypo	CHG	-0.3
Gm13	27689532	27689713	Gmdrm	hypo	CHG	-0.4654
Gm13	27731804	27731906	Gmdrm	hypo	CHG	-0.4434
Gm13	27735928	27736092	Gmdrm	hypo	CHG	-0.7573
Gm13	27763237	27763261	Gmdrm	hypo	CHG	-0.0529
Gm13	27764988	27765119	Gmdrm	hypo	CHG	-0.2683
Gm13	27774924	27775376	Gmdrm	hypo	CHG	-0.2485
Gm13	27778791	27778805	Gmdrm	hypo	CHG	-0.2883
Gm13	27783945	27783985	Gmdrm	hypo	CHG	-0.325
Gm13	27784799	27785240	Gmdrm	hypo	CHG	-0.312
Gm13	27787697	27787833	Gmdrm	hypo	CHG	-0.0271
Gm13	27802478	27802503	Gmdrm	hypo	CHG	-0.438
Gm13	27814065	27814283	Gmdrm	hypo	CHG	-0.275
Gm13	27814772	27814971	Gmdrm	hypo	CHG	-0.1624
Gm13	27815072	27815368	Gmdrm	hypo	CHG	-0.6034
Gm13	27841257	27841674	Gmdrm	hypo	CHG	-0.359
Gm13	27845637	27845744	Gmdrm	hypo	CHG	-0.098
Gm13	27845848	27846011	Gmdrm	hypo	CHG	-0.2378
Gm13	27850737	27850800	Gmdrm	hypo	CHG	-0.0433
Gm13	27855735	27855876	Gmdrm	hypo	CHG	-0.4957

Gm13	27864631	27864971	Gmdrm	hypo	CHG	-0.4289
Gm13	27872135	27872296	Gmdrm	hypo	CHG	-0.7601
Gm13	27872401	27872649	Gmdrm	hypo	CHG	-0.7955
Gm13	27877086	27877290	Gmdrm	hypo	CHG	-0.5992
Gm13	27878243	27878540	Gmdrm	hypo	CHG	-0.6491
Gm13	27880966	27881009	Gmdrm	hypo	CHG	-0.635
Gm13	27881126	27881192	Gmdrm	hypo	CHG	-0.455
Gm13	27904495	27904636	Gmdrm	hypo	CHG	-0.384
Gm13	27904752	27904836	Gmdrm	hypo	CHG	-0.8967
Gm13	27905399	27905540	Gmdrm	hypo	CHG	-0.6856
Gm13	27916143	27916575	Gmdrm	hypo	CHG	-0.1268
Gm13	27922171	27922671	Gmdrm	hypo	CHG	-0.3642
Gm13	27953897	27954163	Gmdrm	hypo	CHG	-0.2791
Gm13	27956244	27956425	Gmdrm	hypo	CHG	-0.2792
Gm13	27972321	27972395	Gmdrm	hypo	CHG	-0.686
Gm13	27997868	27998098	Gmdrm	hypo	CHG	-0.0317
Gm13	28017751	28018001	Gmdrm	hypo	CHG	-0.2478
Gm13	28029359	28029385	Gmdrm	hypo	CHG	-0.2184
Gm13	28031552	28031715	Gmdrm	hypo	CHG	-0.3517
Gm13	28032617	28032748	Gmdrm	hypo	CHG	-0.045
Gm13	28043033	28043083	Gmdrm	hypo	CHG	-0.074
Gm13	28043250	28043450	Gmdrm	hypo	CHG	-0.56
Gm13	28046489	28046562	Gmdrm	hypo	CHG	-0.8667
Gm13	28048875	28049183	Gmdrm	hypo	CHG	-0.4046
Gm13	28090409	28090482	Gmdrm	hypo	CHG	-0.499
Gm13	28092043	28092247	Gmdrm	hypo	CHG	-0.44
Gm13	28102774	28103294	Gmdrm	hypo	CHG	-0.8118
Gm13	28103587	28103682	Gmdrm	hypo	CHG	-0.4277
Gm13	28104377	28104630	Gmdrm	hypo	CHG	-0.8273
Gm13	28116896	28117120	Gmdrm	hypo	CHG	-0.577
Gm13	28128497	28128576	Gmdrm	hypo	CHG	-0.668
Gm13	28128716	28128983	Gmdrm	hypo	CHG	-0.7599
Gm13	28146456	28146707	Gmdrm	hypo	CHG	-0.2771
Gm13	28146877	28147243	Gmdrm	hypo	CHG	-0.3508
Gm13	28174717	28174932	Gmdrm	hypo	CHG	-0.3387
Gm13	28186621	28186645	Gmdrm	hypo	CHG	-0.456
Gm13	28187070	28187226	Gmdrm	hypo	CHG	-0.552
Gm13	28188026	28188240	Gmdrm	hypo	CHG	-0.674
Gm13	28188397	28188501	Gmdrm	hypo	CHG	-0.612
Gm13	28190218	28190564	Gmdrm	hypo	CHG	-0.3239
Gm13	28195994	28196393	Gmdrm	hypo	CHG	-0.4975
Gm13	28196966	28197381	Gmdrm	hypo	CHG	-0.1965
Gm13	28201427	28201453	Gmdrm	hypo	CHG	-0.0723
Gm13	28203051	28203512	Gmdrm	hypo	CHG	-0.4656
Gm13	28235486	28236148	Gmdrm	hypo	CHG	-0.1944
Gm13	28242029	28242110	Gmdrm	hypo	CHG	-0.7243

Gm13	28247900	28248175	Gmdrm	hypo	CHG	-0.3162
Gm13	28265882	28266162	Gmdrm	hypo	CHG	-0.1817
Gm13	28271133	28271258	Gmdrm	hypo	CHG	-0.4542
Gm13	28272319	28272576	Gmdrm	hypo	CHG	-0.6283
Gm13	28276825	28276886	Gmdrm	hypo	CHG	-0.5529
Gm13	28290397	28290446	Gmdrm	hypo	CHG	-0.04
Gm13	28296667	28296752	Gmdrm	hypo	CHG	-0.048
Gm13	28319693	28320216	Gmdrm	hypo	CHG	-0.3749
Gm13	28321184	28321340	Gmdrm	hypo	CHG	-0.042
Gm13	28325533	28325656	Gmdrm	hypo	CHG	-0.045
Gm13	28332830	28332852	Gmdrm	hypo	CHG	-0.104
Gm13	28341846	28342131	Gmdrm	hypo	CHG	-0.7426
Gm13	28353594	28353673	Gmdrm	hypo	CHG	-0.4772
Gm13	28353832	28353967	Gmdrm	hypo	CHG	-0.8073
Gm13	28357391	28357476	Gmdrm	hypo	CHG	-0.066
Gm13	28364469	28364631	Gmdrm	hypo	CHG	-0.5537
Gm13	28386818	28386936	Gmdrm	hypo	CHG	-0.7357
Gm13	28387040	28387106	Gmdrm	hypo	CHG	-0.728
Gm13	28418468	28418759	Gmdrm	hypo	CHG	-0.0538
Gm13	28426891	28426965	Gmdrm	hypo	CHG	-0.32
Gm13	28439646	28440105	Gmdrm	hypo	CHG	-0.4907
Gm13	28471170	28472170	Gmdrm	hypo	CHG	-0.5903
Gm13	28472294	28472657	Gmdrm	hypo	CHG	-0.8231
Gm13	28501424	28501524	Gmdrm	hypo	CHG	-0.51
Gm13	28501632	28501765	Gmdrm	hypo	CHG	-0.6878
Gm13	28509555	28510033	Gmdrm	hypo	CHG	-0.3293
Gm13	28511906	28512105	Gmdrm	hypo	CHG	-0.6517
Gm13	28524456	28524691	Gmdrm	hypo	CHG	-0.0483
Gm13	28554228	28554455	Gmdrm	hypo	CHG	-0.0533
Gm13	28557456	28557544	Gmdrm	hypo	CHG	-0.0967
Gm13	28572038	28572155	Gmdrm	hypo	CHG	-0.8056
Gm13	28584502	28584603	Gmdrm	hypo	CHG	-0.624
Gm13	28596947	28597112	Gmdrm	hypo	CHG	-0.539
Gm13	28612475	28612656	Gmdrm	hypo	CHG	-0.0517
Gm13	28625916	28626104	Gmdrm	hypo	CHG	-0.218
Gm13	28626450	28626616	Gmdrm	hypo	CHG	-0.7386
Gm13	28631215	28631262	Gmdrm	hypo	CHG	-0.042
Gm13	28670489	28671015	Gmdrm	hypo	CHG	-0.278
Gm13	28672591	28673369	Gmdrm	hypo	CHG	-0.137
Gm13	28673477	28673622	Gmdrm	hypo	CHG	-0.5086
Gm13	28675627	28675884	Gmdrm	hypo	CHG	-0.7785
Gm13	28688412	28688492	Gmdrm	hypo	CHG	-0.0483
Gm13	28739867	28740273	Gmdrm	hypo	CHG	-0.316
Gm13	28753652	28753835	Gmdrm	hypo	CHG	-0.34
Gm13	28754680	28754819	Gmdrm	hypo	CHG	-0.879
Gm13	28754937	28755138	Gmdrm	hypo	CHG	-0.7292

Gm13	28769805	28770080	Gmdrm	hypo	CHG	-0.082
Gm13	28776471	28776547	Gmdrm	hypo	CHG	-0.74
Gm13	28776650	28777019	Gmdrm	hypo	CHG	-0.7035
Gm13	28782167	28782221	Gmdrm	hypo	CHG	-0.21
Gm13	28782612	28783004	Gmdrm	hypo	CHG	-0.6008
Gm13	28783710	28783919	Gmdrm	hypo	CHG	-0.3586
Gm13	28790088	28790188	Gmdrm	hypo	CHG	-0.4489
Gm13	28796036	28796144	Gmdrm	hypo	CHG	-0.2828
Gm13	28796770	28796819	Gmdrm	hypo	CHG	-0.2083
Gm13	28796935	28797030	Gmdrm	hypo	CHG	-0.2884
Gm13	28798594	28798673	Gmdrm	hypo	CHG	-0.3785
Gm13	28806084	28806301	Gmdrm	hypo	CHG	-0.5033
Gm13	28827101	28827512	Gmdrm	hypo	CHG	-0.704
Gm13	28831809	28832106	Gmdrm	hypo	CHG	-0.0337
Gm13	28838232	28838381	Gmdrm	hypo	CHG	-0.0233
Gm13	28844512	28844789	Gmdrm	hypo	CHG	-0.62
Gm13	28844897	28845172	Gmdrm	hypo	CHG	-0.2735
Gm13	28853673	28853685	Gmdrm	hypo	CHG	-0.038
Gm13	28853788	28853959	Gmdrm	hypo	CHG	-0.043
Gm13	28855720	28855844	Gmdrm	hypo	CHG	-0.7838
Gm13	28856004	28856657	Gmdrm	hypo	CHG	-0.0874
Gm13	28857890	28857990	Gmdrm	hypo	CHG	-0.3975
Gm13	28858101	28858445	Gmdrm	hypo	CHG	-0.7963
Gm13	28871298	28871425	Gmdrm	hypo	CHG	-0.0608
Gm13	28883256	28883367	Gmdrm	hypo	CHG	-0.584
Gm13	28892812	28892909	Gmdrm	hypo	CHG	-0.04
Gm13	28894707	28894787	Gmdrm	hypo	CHG	-0.055
Gm13	28898971	28899338	Gmdrm	hypo	CHG	-0.4053
Gm13	28899666	28899928	Gmdrm	hypo	CHG	-0.3584
Gm13	28902942	28903161	Gmdrm	hypo	CHG	-0.767
Gm13	28903510	28903581	Gmdrm	hypo	CHG	-0.64
Gm13	28934749	28934841	Gmdrm	hypo	CHG	-0.3312
Gm13	28939932	28940272	Gmdrm	hypo	CHG	-0.0375
Gm13	28942765	28942909	Gmdrm	hypo	CHG	-0.1107
Gm13	28955337	28955704	Gmdrm	hypo	CHG	-0.6131
Gm13	28956801	28957246	Gmdrm	hypo	CHG	-0.6517
Gm13	28961020	28961983	Gmdrm	hypo	CHG	-0.2459
Gm13	28962071	28962174	Gmdrm	hypo	CHG	-0.4155
Gm13	28974891	28975049	Gmdrm	hypo	CHG	-0.6637
Gm13	28983061	28983108	Gmdrm	hypo	CHG	-0.8157
Gm13	28987487	28987721	Gmdrm	hypo	CHG	-0.033
Gm13	29009380	29009944	Gmdrm	hypo	CHG	-0.4024
Gm13	29014681	29014944	Gmdrm	hypo	CHG	-0.7811
Gm13	29015564	29015792	Gmdrm	hypo	CHG	-0.4975
Gm13	29032958	29033102	Gmdrm	hypo	CHG	-0.3756
Gm13	29038705	29039082	Gmdrm	hypo	CHG	-0.7194

Gm13	29039185	29039559	Gmdrm	hypo	CHG	-0.585
Gm13	29064761	29064992	Gmdrm	hypo	CHG	-0.2619
Gm13	29071193	29071505	Gmdrm	hypo	CHG	-0.6718
Gm13	29071885	29072238	Gmdrm	hypo	CHG	-0.6323
Gm13	29072761	29072932	Gmdrm	hypo	CHG	-0.6545
Gm13	29077680	29078133	Gmdrm	hypo	CHG	-0.051
Gm13	29088964	29089140	Gmdrm	hypo	CHG	-0.2475
Gm13	29089446	29089914	Gmdrm	hypo	CHG	-0.3476
Gm13	29092485	29092672	Gmdrm	hypo	CHG	-0.3808
Gm13	29093419	29093459	Gmdrm	hypo	CHG	-0.692
Gm13	29095967	29096155	Gmdrm	hypo	CHG	-0.042
Gm13	29100622	29100740	Gmdrm	hypo	CHG	-0.5162
Gm13	29103539	29103621	Gmdrm	hypo	CHG	-0.67
Gm13	29109003	29109999	Gmdrm	hypo	CHG	-0.1549
Gm13	29110012	29110134	Gmdrm	hypo	CHG	-0.285
Gm13	29119693	29119933	Gmdrm	hypo	CHG	-0.765
Gm13	29120094	29120212	Gmdrm	hypo	CHG	-0.7823
Gm13	29139742	29140028	Gmdrm	hypo	CHG	-0.197
Gm13	29145465	29145516	Gmdrm	hypo	CHG	-0.5625
Gm13	29156185	29156323	Gmdrm	hypo	CHG	-0.0333
Gm13	29164024	29164112	Gmdrm	hypo	CHG	-0.04
Gm13	29169237	29169372	Gmdrm	hypo	CHG	-0.0283
Gm13	29176059	29176174	Gmdrm	hypo	CHG	-0.663
Gm13	29176570	29176623	Gmdrm	hypo	CHG	-0.0867
Gm13	29176849	29177027	Gmdrm	hypo	CHG	-0.577
Gm13	29192412	29192569	Gmdrm	hypo	CHG	-0.2067
Gm13	29208025	29208320	Gmdrm	hypo	CHG	-0.359
Gm13	29212473	29212643	Gmdrm	hypo	CHG	-0.646
Gm13	29213321	29213391	Gmdrm	hypo	CHG	-0.845
Gm13	29213492	29213591	Gmdrm	hypo	CHG	-0.682
Gm13	29229996	29230114	Gmdrm	hypo	CHG	-0.6884
Gm13	29240319	29240469	Gmdrm	hypo	CHG	-0.5858
Gm13	29255723	29256472	Gmdrm	hypo	CHG	-0.1859
Gm13	29256605	29256845	Gmdrm	hypo	CHG	-0.3009
Gm13	29256982	29257237	Gmdrm	hypo	CHG	-0.4495
Gm13	29258185	29258722	Gmdrm	hypo	CHG	-0.1464
Gm13	29280058	29280269	Gmdrm	hypo	CHG	-0.4783
Gm13	29280799	29280829	Gmdrm	hypo	CHG	-0.338
Gm13	29281263	29281787	Gmdrm	hypo	CHG	-0.3388
Gm13	29292434	29292598	Gmdrm	hypo	CHG	-0.76
Gm13	29292885	29293201	Gmdrm	hypo	CHG	-0.8527
Gm13	29293682	29294422	Gmdrm	hypo	CHG	-0.5159
Gm13	29296518	29296548	Gmdrm	hypo	CHG	-0.5183
Gm13	29296862	29297031	Gmdrm	hypo	CHG	-0.0943
Gm13	29331356	29331471	Gmdrm	hypo	CHG	-0.6072
Gm13	29331620	29331658	Gmdrm	hypo	CHG	-0.474

Gm13	29337587	29337612	Gmdrm	hypo	CHG	-0.3517
Gm13	29337782	29337923	Gmdrm	hypo	CHG	-0.396
Gm13	29349233	29349294	Gmdrm	hypo	CHG	-0.748
Gm13	29364846	29364949	Gmdrm	hypo	CHG	-0.172
Gm13	29365800	29365976	Gmdrm	hypo	CHG	-0.0733
Gm13	29414784	29415168	Gmdrm	hypo	CHG	-0.2322
Gm13	29416333	29416495	Gmdrm	hypo	CHG	-0.032
Gm13	29417534	29417916	Gmdrm	hypo	CHG	-0.0559
Gm13	29424400	29424598	Gmdrm	hypo	CHG	-0.3293
Gm13	29450506	29450620	Gmdrm	hypo	CHG	-0.032
Gm13	29452999	29453135	Gmdrm	hypo	CHG	-0.4343
Gm13	29461201	29461733	Gmdrm	hypo	CHG	-0.3445
Gm13	29471342	29471364	Gmdrm	hypo	CHG	-0.9367
Gm13	29475672	29475857	Gmdrm	hypo	CHG	-0.0342
Gm13	29494567	29495519	Gmdrm	hypo	CHG	-0.1
Gm13	29497069	29497542	Gmdrm	hypo	CHG	-0.0372
Gm13	29501511	29502336	Gmdrm	hypo	CHG	-0.1787
Gm13	29502445	29502859	Gmdrm	hypo	CHG	-0.3184
Gm13	29507675	29507689	Gmdrm	hypo	CHG	-0.4967
Gm13	29509807	29509878	Gmdrm	hypo	CHG	-0.7072
Gm13	29512282	29512328	Gmdrm	hypo	CHG	-0.4183
Gm13	29526646	29526747	Gmdrm	hypo	CHG	-0.8343
Gm13	29526933	29527084	Gmdrm	hypo	CHG	-0.4075
Gm13	29563040	29563120	Gmdrm	hypo	CHG	-0.044
Gm13	29584534	29584741	Gmdrm	hypo	CHG	-0.3392
Gm13	29599778	29600215	Gmdrm	hypo	CHG	-0.223
Gm13	29652268	29652497	Gmdrm	hypo	CHG	-0.2436
Gm13	29652672	29652870	Gmdrm	hypo	CHG	-0.228
Gm13	29664186	29664282	Gmdrm	hypo	CHG	-0.395
Gm13	29670535	29670796	Gmdrm	hypo	CHG	-0.1727
Gm13	29690978	29691273	Gmdrm	hypo	CHG	-0.041
Gm13	29695850	29696130	Gmdrm	hypo	CHG	-0.17
Gm13	29698959	29699352	Gmdrm	hypo	CHG	-0.5408
Gm13	29715875	29715912	Gmdrm	hypo	CHG	-0.225
Gm13	29716157	29716240	Gmdrm	hypo	CHG	-0.474
Gm13	29716837	29717125	Gmdrm	hypo	CHG	-0.0271
Gm13	29724464	29724614	Gmdrm	hypo	CHG	-0.8382
Gm13	29724998	29725119	Gmdrm	hypo	CHG	-0.9253
Gm13	29725293	29725355	Gmdrm	hypo	CHG	-0.1033
Gm13	29738178	29738268	Gmdrm	hypo	CHG	-0.82
Gm13	29738826	29739204	Gmdrm	hypo	CHG	-0.4832
Gm13	29739556	29739629	Gmdrm	hypo	CHG	-0.046
Gm13	29745170	29745346	Gmdrm	hypo	CHG	-0.5935
Gm13	29745607	29745754	Gmdrm	hypo	CHG	-0.6692
Gm13	29766479	29766760	Gmdrm	hypo	CHG	-0.6153
Gm13	29781989	29782123	Gmdrm	hypo	CHG	-0.69

Gm13	29808078	29808237	Gmdrm	hypo	CHG	-0.33
Gm13	29808386	29808453	Gmdrm	hypo	CHG	-0.3666
Gm13	29824675	29824860	Gmdrm	hypo	CHG	-0.513
Gm13	29825163	29825333	Gmdrm	hypo	CHG	-0.2011
Gm13	29826515	29826721	Gmdrm	hypo	CHG	-0.3514
Gm13	29845783	29846158	Gmdrm	hypo	CHG	-0.4708
Gm13	29846262	29846638	Gmdrm	hypo	CHG	-0.4186
Gm13	29846855	29846953	Gmdrm	hypo	CHG	-0.266
Gm13	29847398	29847606	Gmdrm	hypo	CHG	-0.525
Gm13	29849200	29849370	Gmdrm	hypo	CHG	-0.0586
Gm13	29864802	29864923	Gmdrm	hypo	CHG	-0.0333
Gm13	29872351	29872442	Gmdrm	hypo	CHG	-0.5558
Gm13	29893718	29893885	Gmdrm	hypo	CHG	-0.412
Gm13	29915529	29915630	Gmdrm	hypo	CHG	-0.5467
Gm13	29923053	29923165	Gmdrm	hypo	CHG	-0.0867
Gm13	29951030	29951181	Gmdrm	hypo	CHG	-0.5975
Gm13	29964373	29965287	Gmdrm	hypo	CHG	-0.448
Gm13	29968235	29968471	Gmdrm	hypo	CHG	-0.3809
Gm13	29968752	29969112	Gmdrm	hypo	CHG	-0.51
Gm13	29976155	29976556	Gmdrm	hypo	CHG	-0.3235
Gm13	29988012	29988076	Gmdrm	hypo	CHG	-0.3833
Gm13	29990735	29990818	Gmdrm	hypo	CHG	-0.275
Gm13	29995618	29995852	Gmdrm	hypo	CHG	-0.555
Gm13	29998118	29998223	Gmdrm	hypo	CHG	-0.3854
Gm13	30033301	30033483	Gmdrm	hypo	CHG	-0.814
Gm13	30033847	30033957	Gmdrm	hypo	CHG	-0.732
Gm13	30061616	30061789	Gmdrm	hypo	CHG	-0.5662
Gm13	30061911	30061979	Gmdrm	hypo	CHG	-0.6314
Gm13	30063800	30063904	Gmdrm	hypo	CHG	-0.3283
Gm13	30064515	30064634	Gmdrm	hypo	CHG	-0.887
Gm13	30072398	30072460	Gmdrm	hypo	CHG	-0.0467
Gm13	30081641	30081762	Gmdrm	hypo	CHG	-0.5744
Gm13	30083663	30083816	Gmdrm	hypo	CHG	-0.3543
Gm13	30084285	30084872	Gmdrm	hypo	CHG	-0.0623
Gm13	30107002	30107308	Gmdrm	hypo	CHG	-0.3121
Gm13	30107454	30107786	Gmdrm	hypo	CHG	-0.0716
Gm13	30115807	30116791	Gmdrm	hypo	CHG	-0.6078
Gm13	30117272	30117383	Gmdrm	hypo	CHG	-0.566
Gm13	30127785	30128440	Gmdrm	hypo	CHG	-0.2104
Gm13	30135896	30136309	Gmdrm	hypo	CHG	-0.05
Gm13	30146613	30146793	Gmdrm	hypo	CHG	-0.5371
Gm13	30147418	30147770	Gmdrm	hypo	CHG	-0.5242
Gm13	30148859	30148994	Gmdrm	hypo	CHG	-0.4663
Gm13	30167896	30168041	Gmdrm	hypo	CHG	-0.324
Gm13	30169239	30169287	Gmdrm	hypo	CHG	-0.566
Gm13	30169396	30169414	Gmdrm	hypo	CHG	-0.612

Gm13	30174333	30174489	Gmdrm	hypo	CHG	-0.58
Gm13	30175052	30175323	Gmdrm	hypo	CHG	-0.7721
Gm13	30187466	30187637	Gmdrm	hypo	CHG	-0.7273
Gm13	30188754	30188870	Gmdrm	hypo	CHG	-0.9089
Gm13	30196011	30197007	Gmdrm	hypo	CHG	-0.117
Gm13	30205249	30205582	Gmdrm	hypo	CHG	-0.0315
Gm13	30225782	30226045	Gmdrm	hypo	CHG	-0.1564
Gm13	30233092	30233198	Gmdrm	hypo	CHG	-0.0467
Gm13	30233353	30233413	Gmdrm	hypo	CHG	-0.8217
Gm13	30233594	30233650	Gmdrm	hypo	CHG	-0.845
Gm13	30234630	30234881	Gmdrm	hypo	CHG	-0.2123
Gm13	30251075	30251391	Gmdrm	hypo	CHG	-0.2387
Gm13	30272786	30273094	Gmdrm	hypo	CHG	-0.4473
Gm13	30303456	30303571	Gmdrm	hypo	CHG	-0.3384
Gm13	30303699	30304008	Gmdrm	hypo	CHG	-0.1983
Gm13	30305920	30306138	Gmdrm	hypo	CHG	-0.1445
Gm13	30311581	30311604	Gmdrm	hypo	CHG	-0.245
Gm13	30311930	30312010	Gmdrm	hypo	CHG	-0.19
Gm13	30315978	30316329	Gmdrm	hypo	CHG	-0.3741
Gm13	30323358	30323829	Gmdrm	hypo	CHG	-0.0993
Gm13	30329736	30329945	Gmdrm	hypo	CHG	-0.1
Gm13	30333615	30333820	Gmdrm	hypo	CHG	-0.045
Gm13	30339780	30339881	Gmdrm	hypo	CHG	-0.046
Gm13	30341717	30342117	Gmdrm	hypo	CHG	-0.2665
Gm13	30353029	30353156	Gmdrm	hypo	CHG	-0.038
Gm13	30358593	30358713	Gmdrm	hypo	CHG	-0.292
Gm13	30359853	30360034	Gmdrm	hypo	CHG	-0.0483
Gm13	30361400	30361440	Gmdrm	hypo	CHG	-0.0862
Gm13	30365758	30366127	Gmdrm	hypo	CHG	-0.4272
Gm13	30366618	30366692	Gmdrm	hypo	CHG	-0.8928
Gm13	30368643	30368655	Gmdrm	hypo	CHG	-0.894
Gm13	30377579	30377815	Gmdrm	hypo	CHG	-0.0534
Gm13	30382849	30383825	Gmdrm	hypo	CHG	-0.2149
Gm13	30436817	30436920	Gmdrm	hypo	CHG	-0.6013
Gm13	30440535	30440701	Gmdrm	hypo	CHG	-0.054
Gm13	30441595	30441854	Gmdrm	hypo	CHG	-0.6722
Gm13	30444447	30444513	Gmdrm	hypo	CHG	-0.024
Gm13	30447974	30448015	Gmdrm	hypo	CHG	-0.0467
Gm13	30460861	30460973	Gmdrm	hypo	CHG	-0.048
Gm13	30490434	30490705	Gmdrm	hypo	CHG	-0.5
Gm13	30490960	30491092	Gmdrm	hypo	CHG	-0.5109
Gm13	30506353	30506661	Gmdrm	hypo	CHG	-0.5578
Gm13	30536524	30537359	Gmdrm	hypo	CHG	-0.1477
Gm13	30545630	30545715	Gmdrm	hypo	CHG	-0.321
Gm13	30555386	30555577	Gmdrm	hypo	CHG	-0.705
Gm13	30555689	30555763	Gmdrm	hypo	CHG	-0.7657

Gm13	30555910	30555985 Gmdrm	hypo	CHG	-0.71
Gm13	30588047	30588362 Gmdrm	hypo	CHG	-0.036
Gm13	30598317	30598400 Gmdrm	hypo	CHG	-0.7267
Gm13	30598549	30598623 Gmdrm	hypo	CHG	-0.8567
Gm13	30605477	30605580 Gmdrm	hypo	CHG	-0.0383
Gm13	30613318	30613763 Gmdrm	hypo	CHG	-0.6
Gm13	30616292	30616442 Gmdrm	hypo	CHG	-0.4357
Gm13	30624577	30624612 Gmdrm	hypo	CHG	-0.86
Gm13	30625492	30625520 Gmdrm	hypo	CHG	-0.9417
Gm13	30627951	30628242 Gmdrm	hypo	CHG	-0.0466
Gm13	30640554	30640819 Gmdrm	hypo	CHG	-0.4146
Gm13	30648327	30648480 Gmdrm	hypo	CHG	-0.3583
Gm13	30655536	30655923 Gmdrm	hypo	CHG	-0.3284
Gm13	30686041	30686490 Gmdrm	hypo	CHG	-0.0237
Gm13	30692797	30692877 Gmdrm	hypo	CHG	-0.2825
Gm13	30696217	30696421 Gmdrm	hypo	CHG	-0.2084
Gm13	30696579	30696732 Gmdrm	hypo	CHG	-0.215
Gm13	30717709	30717899 Gmdrm	hypo	CHG	-0.5331
Gm13	30724145	30724286 Gmdrm	hypo	CHG	-0.2782
Gm13	30730486	30730660 Gmdrm	hypo	CHG	-0.555
Gm13	30730958	30731029 Gmdrm	hypo	CHG	-0.668
Gm13	30753233	30753292 Gmdrm	hypo	CHG	-0.632
Gm13	30753491	30753617 Gmdrm	hypo	CHG	-0.376
Gm13	30768741	30768908 Gmdrm	hypo	CHG	-0.4679
Gm13	30779535	30779727 Gmdrm	hypo	CHG	-0.6037
Gm13	30779841	30780139 Gmdrm	hypo	CHG	-0.5212
Gm13	30780455	30780600 Gmdrm	hypo	CHG	-0.264
Gm13	30780778	30781019 Gmdrm	hypo	CHG	-0.6694
Gm13	30793761	30793836 Gmdrm	hypo	CHG	-0.32
Gm13	30801118	30801343 Gmdrm	hypo	CHG	-0.2722
Gm13	30805461	30805628 Gmdrm	hypo	CHG	-0.076
Gm13	30806566	30806977 Gmdrm	hypo	CHG	-0.3411
Gm13	30807163	30807641 Gmdrm	hypo	CHG	-0.5315
Gm13	30808922	30809045 Gmdrm	hypo	CHG	-0.356
Gm13	30811320	30811531 Gmdrm	hypo	CHG	-0.02
Gm13	30811803	30812008 Gmdrm	hypo	CHG	-0.5767
Gm13	30812116	30812422 Gmdrm	hypo	CHG	-0.5262
Gm13	30814932	30815325 Gmdrm	hypo	CHG	-0.5143
Gm13	30815435	30815513 Gmdrm	hypo	CHG	-0.4434
Gm13	30815614	30815995 Gmdrm	hypo	CHG	-0.2978
Gm13	30820797	30820907 Gmdrm	hypo	CHG	-0.3433
Gm13	30821144	30821920 Gmdrm	hypo	CHG	-0.3344
Gm13	30825421	30825545 Gmdrm	hypo	CHG	-0.3275
Gm13	30832069	30832164 Gmdrm	hypo	CHG	-0.6256
Gm13	30881959	30882149 Gmdrm	hypo	CHG	-0.572
Gm13	30882418	30882476 Gmdrm	hypo	CHG	-0.9428

Gm13	30882614	30882759	Gmdrm	hypo	CHG	-0.8086
Gm13	30889367	30889802	Gmdrm	hypo	CHG	-0.2114
Gm13	30902720	30903127	Gmdrm	hypo	CHG	-0.494
Gm13	30913461	30913821	Gmdrm	hypo	CHG	-0.8205
Gm13	30914438	30914497	Gmdrm	hypo	CHG	-0.6017
Gm13	30914754	30915202	Gmdrm	hypo	CHG	-0.5564
Gm13	30925333	30926018	Gmdrm	hypo	CHG	-0.5144
Gm13	30929531	30929649	Gmdrm	hypo	CHG	-0.4356
Gm13	30931246	30931438	Gmdrm	hypo	CHG	-0.5784
Gm13	30942486	30942542	Gmdrm	hypo	CHG	-0.0717
Gm13	30947797	30947932	Gmdrm	hypo	CHG	-0.6989
Gm13	30948217	30948350	Gmdrm	hypo	CHG	-0.822
Gm13	30987160	30987608	Gmdrm	hypo	CHG	-0.105
Gm13	30987727	30987927	Gmdrm	hypo	CHG	-0.33
Gm13	30990149	30990201	Gmdrm	hypo	CHG	-0.4616
Gm13	30990622	30990805	Gmdrm	hypo	CHG	-0.7857
Gm13	31021111	31021395	Gmdrm	hypo	CHG	-0.7787
Gm13	31021564	31021633	Gmdrm	hypo	CHG	-0.806
Gm13	31036754	31037073	Gmdrm	hypo	CHG	-0.0533
Gm13	31038655	31038791	Gmdrm	hypo	CHG	-0.048
Gm13	31043625	31043736	Gmdrm	hypo	CHG	-0.082
Gm13	31059608	31059844	Gmdrm	hypo	CHG	-0.4142
Gm13	31060073	31060373	Gmdrm	hypo	CHG	-0.8907
Gm13	31060833	31060959	Gmdrm	hypo	CHG	-0.884
Gm13	31061726	31061858	Gmdrm	hypo	CHG	-0.63
Gm13	31066689	31066719	Gmdrm	hypo	CHG	-0.06
Gm13	31070310	31070357	Gmdrm	hypo	CHG	-0.45
Gm13	31116912	31117091	Gmdrm	hypo	CHG	-0.1825
Gm13	31132982	31133229	Gmdrm	hypo	CHG	-0.0318
Gm13	31138075	31138352	Gmdrm	hypo	CHG	-0.28
Gm13	31157736	31157788	Gmdrm	hypo	CHG	-0.4033
Gm13	31210875	31211151	Gmdrm	hypo	CHG	-0.6309
Gm13	31216442	31216589	Gmdrm	hypo	CHG	-0.693
Gm13	31222756	31222868	Gmdrm	hypo	CHG	-0.865
Gm13	31223764	31223865	Gmdrm	hypo	CHG	-0.93
Gm13	31236736	31236778	Gmdrm	hypo	CHG	-0.91
Gm13	31259391	31259595	Gmdrm	hypo	CHG	-0.183
Gm13	31261764	31261959	Gmdrm	hypo	CHG	-0.068
Gm13	31299174	31299227	Gmdrm	hypo	CHG	-0.0366
Gm13	31307936	31308109	Gmdrm	hypo	CHG	-0.7958
Gm13	31322004	31322206	Gmdrm	hypo	CHG	-0.0383
Gm13	31332331	31332718	Gmdrm	hypo	CHG	-0.5963
Gm13	31346142	31346212	Gmdrm	hypo	CHG	-0.822
Gm13	31350625	31351060	Gmdrm	hypo	CHG	-0.2621
Gm13	31373211	31373277	Gmdrm	hypo	CHG	-0.736
Gm13	31375015	31375286	Gmdrm	hypo	CHG	-0.3211

Gm13	31375411	31375495	Gmdrm	hypo	CHG	-0.6566
Gm13	31381466	31381765	Gmdrm	hypo	CHG	-0.058
Gm13	31388254	31388408	Gmdrm	hypo	CHG	-0.048
Gm13	31417425	31417518	Gmdrm	hypo	CHG	-0.79
Gm13	31428014	31428307	Gmdrm	hypo	CHG	-0.1842
Gm13	31448513	31448807	Gmdrm	hypo	CHG	-0.0257
Gm13	31461475	31461765	Gmdrm	hypo	CHG	-0.0483
Gm13	31471792	31472003	Gmdrm	hypo	CHG	-0.4528
Gm13	31475564	31475629	Gmdrm	hypo	CHG	-0.7112
Gm13	31477415	31477690	Gmdrm	hypo	CHG	-0.5427
Gm13	31477843	31477994	Gmdrm	hypo	CHG	-0.8625
Gm13	31491681	31491881	Gmdrm	hypo	CHG	-0.3887
Gm13	31533009	31533099	Gmdrm	hypo	CHG	-0.78
Gm13	31542617	31543045	Gmdrm	hypo	CHG	-0.3954
Gm13	31544415	31545193	Gmdrm	hypo	CHG	-0.2733
Gm13	31545432	31545569	Gmdrm	hypo	CHG	-0.06
Gm13	31590816	31591080	Gmdrm	hypo	CHG	-0.7755
Gm13	31599743	31599940	Gmdrm	hypo	CHG	-0.045
Gm13	31602650	31602867	Gmdrm	hypo	CHG	-0.0733
Gm13	31605411	31605748	Gmdrm	hypo	CHG	-0.63
Gm13	31605885	31606101	Gmdrm	hypo	CHG	-0.805
Gm13	31613179	31613479	Gmdrm	hypo	CHG	-0.68
Gm13	31613589	31613749	Gmdrm	hypo	CHG	-0.5312
Gm13	31617650	31617893	Gmdrm	hypo	CHG	-0.0355
Gm13	31629051	31629319	Gmdrm	hypo	CHG	-0.7572
Gm13	31629555	31629791	Gmdrm	hypo	CHG	-0.4525
Gm13	31636250	31636333	Gmdrm	hypo	CHG	-0.12
Gm13	31644566	31644718	Gmdrm	hypo	CHG	-0.3863
Gm13	31648738	31649061	Gmdrm	hypo	CHG	-0.3328
Gm13	31649791	31649920	Gmdrm	hypo	CHG	-0.6594
Gm13	31668188	31668447	Gmdrm	hypo	CHG	-0.2477
Gm13	31669627	31669855	Gmdrm	hypo	CHG	-0.322
Gm13	31682183	31682355	Gmdrm	hypo	CHG	-0.5829
Gm13	31682470	31682601	Gmdrm	hypo	CHG	-0.315
Gm13	31683014	31683384	Gmdrm	hypo	CHG	-0.1622
Gm13	31683715	31683886	Gmdrm	hypo	CHG	-0.2699
Gm13	31687201	31687317	Gmdrm	hypo	CHG	-0.04
Gm13	31692670	31692746	Gmdrm	hypo	CHG	-0.6986
Gm13	31722675	31722716	Gmdrm	hypo	CHG	-0.3016
Gm13	31722844	31723255	Gmdrm	hypo	CHG	-0.2795
Gm13	31751325	31751951	Gmdrm	hypo	CHG	-0.0407
Gm13	31756142	31756304	Gmdrm	hypo	CHG	-0.7463
Gm13	31757187	31757400	Gmdrm	hypo	CHG	-0.6811
Gm13	31766320	31766367	Gmdrm	hypo	CHG	-0.684
Gm13	31796935	31797050	Gmdrm	hypo	CHG	-0.042
Gm13	31797184	31797491	Gmdrm	hypo	CHG	-0.6564

Gm13	31801528	31802519	Gmdrm	hypo	CHG	-0.4354
Gm13	31802603	31802874	Gmdrm	hypo	CHG	-0.868
Gm13	31807821	31807884	Gmdrm	hypo	CHG	-0.18
Gm13	31809609	31809710	Gmdrm	hypo	CHG	-0.5875
Gm13	31839401	31839771	Gmdrm	hypo	CHG	-0.0455
Gm13	31843450	31843736	Gmdrm	hypo	CHG	-0.1344
Gm13	31858975	31859250	Gmdrm	hypo	CHG	-0.6536
Gm13	31859469	31859528	Gmdrm	hypo	CHG	-0.8229
Gm13	31866061	31866218	Gmdrm	hypo	CHG	-0.0257
Gm13	31877713	31878013	Gmdrm	hypo	CHG	-0.1776
Gm13	31880746	31880949	Gmdrm	hypo	CHG	-0.6216
Gm13	31903681	31903717	Gmdrm	hypo	CHG	-0.7433
Gm13	31924426	31924612	Gmdrm	hypo	CHG	-0.91
Gm13	31925022	31925075	Gmdrm	hypo	CHG	-0.712
Gm13	31925381	31925420	Gmdrm	hypo	CHG	-0.632
Gm13	31946460	31946713	Gmdrm	hypo	CHG	-0.5347
Gm13	31961063	31961199	Gmdrm	hypo	CHG	-0.59
Gm13	31966492	31966630	Gmdrm	hypo	CHG	-0.0956
Gm13	31969185	31969390	Gmdrm	hypo	CHG	-0.0551
Gm13	31973121	31973421	Gmdrm	hypo	CHG	-0.0745
Gm13	31973928	31974229	Gmdrm	hypo	CHG	-0.3724
Gm13	31974347	31975307	Gmdrm	hypo	CHG	-0.2695
Gm13	31978539	31979507	Gmdrm	hypo	CHG	-0.1731
Gm13	31989440	31989856	Gmdrm	hypo	CHG	-0.605
Gm13	32007597	32007755	Gmdrm	hypo	CHG	-0.848
Gm13	32007894	32008051	Gmdrm	hypo	CHG	-0.7156
Gm13	32010412	32011002	Gmdrm	hypo	CHG	-0.726
Gm13	32013495	32013624	Gmdrm	hypo	CHG	-0.044
Gm13	32035741	32036041	Gmdrm	hypo	CHG	-0.4186
Gm13	32036183	32036327	Gmdrm	hypo	CHG	-0.4894
Gm13	32046219	32046367	Gmdrm	hypo	CHG	-0.032
Gm13	32049736	32049831	Gmdrm	hypo	CHG	-0.032
Gm13	32060038	32060165	Gmdrm	hypo	CHG	-0.565
Gm13	32068665	32068750	Gmdrm	hypo	CHG	-0.3829
Gm13	32087860	32088020	Gmdrm	hypo	CHG	-0.0417
Gm13	32090603	32090962	Gmdrm	hypo	CHG	-0.2172
Gm13	32109020	32109224	Gmdrm	hypo	CHG	-0.0267
Gm13	32126084	32126322	Gmdrm	hypo	CHG	-0.58
Gm13	32131824	32132014	Gmdrm	hypo	CHG	-0.6191
Gm13	32133040	32133219	Gmdrm	hypo	CHG	-0.5022
Gm13	32134168	32134342	Gmdrm	hypo	CHG	-0.7411
Gm13	32152962	32153064	Gmdrm	hypo	CHG	-0.682
Gm13	32153329	32153679	Gmdrm	hypo	CHG	-0.2529
Gm13	32225863	32226178	Gmdrm	hypo	CHG	-0.7417
Gm13	32230261	32230401	Gmdrm	hypo	CHG	-0.0286
Gm13	32232121	32232331	Gmdrm	hypo	CHG	-0.0538

Gm13	32236162	32236708	Gmdrm	hypo	CHG	-0.4527
Gm13	32236810	32236943	Gmdrm	hypo	CHG	-0.2839
Gm13	32239453	32239693	Gmdrm	hypo	CHG	-0.7234
Gm13	32239796	32239972	Gmdrm	hypo	CHG	-0.44
Gm13	32242398	32242514	Gmdrm	hypo	CHG	-0.62
Gm13	32244373	32244473	Gmdrm	hypo	CHG	-0.6
Gm13	32261515	32261603	Gmdrm	hypo	CHG	-0.562
Gm13	32261720	32261783	Gmdrm	hypo	CHG	-0.9233
Gm13	32283411	32283566	Gmdrm	hypo	CHG	-0.0383
Gm13	32288342	32288500	Gmdrm	hypo	CHG	-0.3022
Gm13	32288965	32288990	Gmdrm	hypo	CHG	-0.91
Gm13	32293314	32293535	Gmdrm	hypo	CHG	-0.139
Gm13	32298957	32299016	Gmdrm	hypo	CHG	-0.0717
Gm13	32312626	32312679	Gmdrm	hypo	CHG	-0.776
Gm13	32325252	32325361	Gmdrm	hypo	CHG	-0.1929
Gm13	32380846	32380908	Gmdrm	hypo	CHG	-0.2237
Gm13	32382008	32382458	Gmdrm	hypo	CHG	-0.285
Gm13	32389949	32390344	Gmdrm	hypo	CHG	-0.0458
Gm13	32393554	32393587	Gmdrm	hypo	CHG	-0.084
Gm13	32410237	32410478	Gmdrm	hypo	CHG	-0.756
Gm13	32432084	32432165	Gmdrm	hypo	CHG	-0.3333
Gm13	32432714	32433024	Gmdrm	hypo	CHG	-0.2646
Gm13	32447751	32447789	Gmdrm	hypo	CHG	-0.036
Gm13	32449536	32449707	Gmdrm	hypo	CHG	-0.8589
Gm13	32457769	32458259	Gmdrm	hypo	CHG	-0.4042
Gm13	32461651	32462032	Gmdrm	hypo	CHG	-0.3843
Gm13	32466458	32466498	Gmdrm	hypo	CHG	-0.0534
Gm13	32481103	32481559	Gmdrm	hypo	CHG	-0.2525
Gm13	32508533	32508665	Gmdrm	hypo	CHG	-0.026
Gm13	32516406	32516700	Gmdrm	hypo	CHG	-0.0391
Gm13	32603051	32603444	Gmdrm	hypo	CHG	-0.04
Gm13	32617431	32617549	Gmdrm	hypo	CHG	-0.66
Gm13	32617683	32617759	Gmdrm	hypo	CHG	-0.592
Gm13	32618089	32618157	Gmdrm	hypo	CHG	-0.4866
Gm13	32620244	32620368	Gmdrm	hypo	CHG	-0.2771
Gm13	32625202	32625400	Gmdrm	hypo	CHG	-0.3662
Gm13	32638187	32638366	Gmdrm	hypo	CHG	-0.7446
Gm13	32640313	32640466	Gmdrm	hypo	CHG	-0.5701
Gm13	32645164	32645444	Gmdrm	hypo	CHG	-0.8688
Gm13	32648815	32649146	Gmdrm	hypo	CHG	-0.0444
Gm13	32659865	32660349	Gmdrm	hypo	CHG	-0.5528
Gm13	32665851	32666077	Gmdrm	hypo	CHG	-0.0762
Gm13	32678444	32678701	Gmdrm	hypo	CHG	-0.2561
Gm13	32680598	32680828	Gmdrm	hypo	CHG	-0.0473
Gm13	32713567	32713719	Gmdrm	hypo	CHG	-0.7844
Gm13	32713978	32714378	Gmdrm	hypo	CHG	-0.8508

Gm13	32714801	32714962	Gmdrm	hypo	CHG	-0.7084
Gm13	32717915	32718029	Gmdrm	hypo	CHG	-0.8862
Gm13	32718479	32718649	Gmdrm	hypo	CHG	-0.3355
Gm13	32718951	32719594	Gmdrm	hypo	CHG	-0.2423
Gm13	32719729	32719963	Gmdrm	hypo	CHG	-0.8875
Gm13	32721941	32722119	Gmdrm	hypo	CHG	-0.052
Gm13	32725935	32726038	Gmdrm	hypo	CHG	-0.0375
Gm13	32730919	32731160	Gmdrm	hypo	CHG	-0.0529
Gm13	32742590	32742886	Gmdrm	hypo	CHG	-0.0437
Gm13	32745323	32745429	Gmdrm	hypo	CHG	-0.81
Gm13	32785408	32785618	Gmdrm	hypo	CHG	-0.0283
Gm13	32794924	32795384	Gmdrm	hypo	CHG	-0.3575
Gm13	32799937	32800165	Gmdrm	hypo	CHG	-0.7419
Gm13	32801161	32801226	Gmdrm	hypo	CHG	-0.3017
Gm13	32827466	32827517	Gmdrm	hypo	CHG	-0.78
Gm13	32827923	32828125	Gmdrm	hypo	CHG	-0.42
Gm13	32835397	32835754	Gmdrm	hypo	CHG	-0.0655
Gm13	32835978	32836326	Gmdrm	hypo	CHG	-0.033
Gm13	32866964	32867181	Gmdrm	hypo	CHG	-0.0525
Gm13	32870228	32870378	Gmdrm	hypo	CHG	-0.0788
Gm13	32872395	32872574	Gmdrm	hypo	CHG	-0.6422
Gm13	32872806	32872882	Gmdrm	hypo	CHG	-0.8733
Gm13	32890630	32890798	Gmdrm	hypo	CHG	-0.0912
Gm13	32918629	32918706	Gmdrm	hypo	CHG	-0.05
Gm13	32934713	32934862	Gmdrm	hypo	CHG	-0.5434
Gm13	32943374	32943552	Gmdrm	hypo	CHG	-0.68
Gm13	32957251	32957720	Gmdrm	hypo	CHG	-0.6924
Gm13	32968397	32968473	Gmdrm	hypo	CHG	-0.0914
Gm13	32983183	32983285	Gmdrm	hypo	CHG	-0.158
Gm13	32993263	32993346	Gmdrm	hypo	CHG	-0.8929
Gm13	32993462	32993485	Gmdrm	hypo	CHG	-0.046
Gm13	32999726	32999794	Gmdrm	hypo	CHG	-0.0489
Gm13	33008705	33009033	Gmdrm	hypo	CHG	-0.0416
Gm13	33038863	33039012	Gmdrm	hypo	CHG	-0.388
Gm13	33039114	33039251	Gmdrm	hypo	CHG	-0.624
Gm13	33040033	33040111	Gmdrm	hypo	CHG	-0.424
Gm13	33040276	33040396	Gmdrm	hypo	CHG	-0.6013
Gm13	33050273	33050551	Gmdrm	hypo	CHG	-0.2322
Gm13	33050656	33050778	Gmdrm	hypo	CHG	-0.6644
Gm13	33051092	33051454	Gmdrm	hypo	CHG	-0.544
Gm13	33053421	33053714	Gmdrm	hypo	CHG	-0.0478
Gm13	33056247	33056849	Gmdrm	hypo	CHG	-0.3902
Gm13	33056988	33057189	Gmdrm	hypo	CHG	-0.3789
Gm13	33088768	33088858	Gmdrm	hypo	CHG	-0.466
Gm13	33097324	33097548	Gmdrm	hypo	CHG	-0.1314
Gm13	33113465	33114110	Gmdrm	hypo	CHG	-0.2298

Gm13	33145171	33145396	Gmdrm	hypo	CHG	-0.4289
Gm13	33148704	33148836	Gmdrm	hypo	CHG	-0.2788
Gm13	33158940	33159309	Gmdrm	hypo	CHG	-0.2607
Gm13	33166182	33166899	Gmdrm	hypo	CHG	-0.4417
Gm13	33167230	33167489	Gmdrm	hypo	CHG	-0.4889
Gm13	33183654	33183853	Gmdrm	hypo	CHG	-0.7895
Gm13	33185835	33185962	Gmdrm	hypo	CHG	-0.6756
Gm13	33186141	33186295	Gmdrm	hypo	CHG	-0.5638
Gm13	33192259	33192321	Gmdrm	hypo	CHG	-0.126
Gm13	33193649	33193810	Gmdrm	hypo	CHG	-0.446
Gm13	33202496	33202556	Gmdrm	hypo	CHG	-0.845
Gm13	33202685	33202781	Gmdrm	hypo	CHG	-0.795
Gm13	33247950	33248025	Gmdrm	hypo	CHG	-0.662
Gm13	33275814	33276007	Gmdrm	hypo	CHG	-0.028
Gm13	33276737	33276906	Gmdrm	hypo	CHG	-0.064
Gm13	33281178	33281287	Gmdrm	hypo	CHG	-0.4657
Gm13	33281407	33281653	Gmdrm	hypo	CHG	-0.6275
Gm13	33300918	33301120	Gmdrm	hypo	CHG	-0.0357
Gm13	33313913	33314090	Gmdrm	hypo	CHG	-0.3314
Gm13	33321937	33322117	Gmdrm	hypo	CHG	-0.62
Gm13	33334260	33334442	Gmdrm	hypo	CHG	-0.5087
Gm13	33338511	33338607	Gmdrm	hypo	CHG	-0.648
Gm13	33355089	33355276	Gmdrm	hypo	CHG	-0.0534
Gm13	33380241	33380421	Gmdrm	hypo	CHG	-0.4
Gm13	33382014	33382155	Gmdrm	hypo	CHG	-0.7472
Gm13	33384543	33384679	Gmdrm	hypo	CHG	-0.3392
Gm13	33385809	33386009	Gmdrm	hypo	CHG	-0.85
Gm13	33429698	33429878	Gmdrm	hypo	CHG	-0.149
Gm13	33430735	33431125	Gmdrm	hypo	CHG	-0.0263
Gm13	33441726	33442133	Gmdrm	hypo	CHG	-0.3319
Gm13	33467325	33467420	Gmdrm	hypo	CHG	-0.8683
Gm13	33491398	33491464	Gmdrm	hypo	CHG	-0.034
Gm13	33554888	33554958	Gmdrm	hypo	CHG	-0.4217
Gm13	33571955	33572479	Gmdrm	hypo	CHG	-0.6804
Gm13	33572687	33572771	Gmdrm	hypo	CHG	-0.42
Gm13	33582617	33583077	Gmdrm	hypo	CHG	-0.7765
Gm13	33591845	33591967	Gmdrm	hypo	CHG	-0.335
Gm13	33594193	33594382	Gmdrm	hypo	CHG	-0.058
Gm13	33606345	33606489	Gmdrm	hypo	CHG	-0.3188
Gm13	33614476	33614515	Gmdrm	hypo	CHG	-0.76
Gm13	33614704	33614818	Gmdrm	hypo	CHG	-0.6588
Gm13	33614926	33615192	Gmdrm	hypo	CHG	-0.792
Gm13	33623834	33623918	Gmdrm	hypo	CHG	-0.036
Gm13	33643723	33643756	Gmdrm	hypo	CHG	-0.5334
Gm13	33644930	33645126	Gmdrm	hypo	CHG	-0.1514
Gm13	33645310	33645450	Gmdrm	hypo	CHG	-0.7247

Gm13	33658020	33658095	Gmdrm	hypo	CHG	-0.066
Gm13	33676038	33676435	Gmdrm	hypo	CHG	-0.8318
Gm13	33678544	33678845	Gmdrm	hypo	CHG	-0.032
Gm13	33679482	33679647	Gmdrm	hypo	CHG	-0.046
Gm13	33682566	33683217	Gmdrm	hypo	CHG	-0.3333
Gm13	33693825	33694174	Gmdrm	hypo	CHG	-0.3686
Gm13	33703222	33703379	Gmdrm	hypo	CHG	-0.05
Gm13	33708408	33708620	Gmdrm	hypo	CHG	-0.54
Gm13	33709173	33709740	Gmdrm	hypo	CHG	-0.5769
Gm13	33709896	33709955	Gmdrm	hypo	CHG	-0.69
Gm13	33732583	33732761	Gmdrm	hypo	CHG	-0.5633
Gm13	33737416	33737572	Gmdrm	hypo	CHG	-0.8133
Gm13	33785704	33786005	Gmdrm	hypo	CHG	-0.7538
Gm13	33786152	33786549	Gmdrm	hypo	CHG	-0.0737
Gm13	33806378	33806595	Gmdrm	hypo	CHG	-0.12
Gm13	33806748	33806850	Gmdrm	hypo	CHG	-0.81
Gm13	33807208	33807356	Gmdrm	hypo	CHG	-0.8111
Gm13	33809605	33809815	Gmdrm	hypo	CHG	-0.74
Gm13	33810355	33810697	Gmdrm	hypo	CHG	-0.035
Gm13	33825453	33825613	Gmdrm	hypo	CHG	-0.044
Gm13	33825905	33826840	Gmdrm	hypo	CHG	-0.0927
Gm13	33847845	33847942	Gmdrm	hypo	CHG	-0.576
Gm13	33868437	33868483	Gmdrm	hypo	CHG	-0.63
Gm13	33868685	33868837	Gmdrm	hypo	CHG	-0.7886
Gm13	33868948	33869074	Gmdrm	hypo	CHG	-0.5671
Gm13	33874756	33874947	Gmdrm	hypo	CHG	-0.2536
Gm13	33876128	33876505	Gmdrm	hypo	CHG	-0.3456
Gm13	33891876	33892536	Gmdrm	hypo	CHG	-0.3894
Gm13	33892694	33892775	Gmdrm	hypo	CHG	-0.5722
Gm13	33893287	33893433	Gmdrm	hypo	CHG	-0.5534
Gm13	33914844	33914860	Gmdrm	hypo	CHG	-0.776
Gm13	33918842	33919091	Gmdrm	hypo	CHG	-0.88
Gm13	33937603	33937675	Gmdrm	hypo	CHG	-0.53
Gm13	33954623	33955106	Gmdrm	hypo	CHG	-0.3183
Gm13	33963697	33963746	Gmdrm	hypo	CHG	-0.766
Gm13	33968009	33968071	Gmdrm	hypo	CHG	-0.3
Gm13	33968187	33968661	Gmdrm	hypo	CHG	-0.4812
Gm13	33969060	33969421	Gmdrm	hypo	CHG	-0.38
Gm13	33980711	33980841	Gmdrm	hypo	CHG	-0.05
Gm13	33990382	33990729	Gmdrm	hypo	CHG	-0.047
Gm13	33993591	33993772	Gmdrm	hypo	CHG	-0.6879
Gm13	33993940	33993957	Gmdrm	hypo	CHG	-0.86
Gm13	33998377	33998644	Gmdrm	hypo	CHG	-0.0644
Gm13	34015590	34015675	Gmdrm	hypo	CHG	-0.064
Gm13	34015954	34016138	Gmdrm	hypo	CHG	-0.7444
Gm13	34016413	34016940	Gmdrm	hypo	CHG	-0.6419

Gm13	34017163	34017478	Gmdrm	hypo	CHG	-0.7861
Gm13	34019176	34019668	Gmdrm	hypo	CHG	-0.607
Gm13	34029527	34029675	Gmdrm	hypo	CHG	-0.0457
Gm13	34042149	34042552	Gmdrm	hypo	CHG	-0.0354
Gm13	34066563	34066644	Gmdrm	hypo	CHG	-0.245
Gm13	34066975	34067399	Gmdrm	hypo	CHG	-0.7437
Gm13	34070639	34070742	Gmdrm	hypo	CHG	-0.6238
Gm13	34096839	34097033	Gmdrm	hypo	CHG	-0.0333
Gm13	34119166	34119287	Gmdrm	hypo	CHG	-0.1714
Gm13	34119399	34119481	Gmdrm	hypo	CHG	-0.4683
Gm13	34119779	34119819	Gmdrm	hypo	CHG	-0.462
Gm13	34122342	34122397	Gmdrm	hypo	CHG	-0.696
Gm13	34132932	34133177	Gmdrm	hypo	CHG	-0.1036
Gm13	34133295	34133832	Gmdrm	hypo	CHG	-0.2606
Gm13	34133936	34134463	Gmdrm	hypo	CHG	-0.4229
Gm13	34153504	34153856	Gmdrm	hypo	CHG	-0.5958
Gm13	34162095	34162346	Gmdrm	hypo	CHG	-0.6113
Gm13	34173563	34173710	Gmdrm	hypo	CHG	-0.4025
Gm13	34178832	34179101	Gmdrm	hypo	CHG	-0.045
Gm13	34206118	34206213	Gmdrm	hypo	CHG	-0.7084
Gm13	34249295	34249427	Gmdrm	hypo	CHG	-0.0414
Gm13	34271594	34271908	Gmdrm	hypo	CHG	-0.0367
Gm13	34279482	34279863	Gmdrm	hypo	CHG	-0.3876
Gm13	34316494	34316739	Gmdrm	hypo	CHG	-0.0867
Gm13	34321860	34322030	Gmdrm	hypo	CHG	-0.63
Gm13	34344767	34344993	Gmdrm	hypo	CHG	-0.39
Gm13	34348268	34348301	Gmdrm	hypo	CHG	-0.2834
Gm13	34349171	34349240	Gmdrm	hypo	CHG	-0.28
Gm13	34357906	34358139	Gmdrm	hypo	CHG	-0.052
Gm13	34360047	34360144	Gmdrm	hypo	CHG	-0.905
Gm13	34360377	34360650	Gmdrm	hypo	CHG	-0.6622
Gm13	34377586	34377722	Gmdrm	hypo	CHG	-0.0757
Gm13	34383993	34384203	Gmdrm	hypo	CHG	-0.0514
Gm13	34389336	34389463	Gmdrm	hypo	CHG	-0.3187
Gm13	34396692	34396759	Gmdrm	hypo	CHG	-0.778
Gm13	34396880	34397248	Gmdrm	hypo	CHG	-0.9257
Gm13	34427048	34427315	Gmdrm	hypo	CHG	-0.415
Gm13	34430159	34430286	Gmdrm	hypo	CHG	-0.0533
Gm13	34449766	34450243	Gmdrm	hypo	CHG	-0.046
Gm13	34463403	34463790	Gmdrm	hypo	CHG	-0.2926
Gm13	34472139	34472245	Gmdrm	hypo	CHG	-0.05
Gm13	34472392	34472547	Gmdrm	hypo	CHG	-0.088
Gm13	34485379	34485651	Gmdrm	hypo	CHG	-0.635
Gm13	34493931	34494315	Gmdrm	hypo	CHG	-0.246
Gm13	34529057	34529753	Gmdrm	hypo	CHG	-0.2636
Gm13	34543099	34543280	Gmdrm	hypo	CHG	-0.05

Gm13	34552014	34552393	Gmdrm	hypo	CHG	-0.0378
Gm13	34584095	34584208	Gmdrm	hypo	CHG	-0.8067
Gm13	34588612	34588638	Gmdrm	hypo	CHG	-0.125
Gm13	34598174	34598340	Gmdrm	hypo	CHG	-0.5589
Gm13	34598572	34598904	Gmdrm	hypo	CHG	-0.7825
Gm13	34599083	34599344	Gmdrm	hypo	CHG	-0.5733
Gm13	34601979	34602402	Gmdrm	hypo	CHG	-0.8341
Gm13	34604926	34605246	Gmdrm	hypo	CHG	-0.0362
Gm13	34605979	34606043	Gmdrm	hypo	CHG	-0.815
Gm13	34617124	34617553	Gmdrm	hypo	CHG	-0.7148
Gm13	34618281	34618365	Gmdrm	hypo	CHG	-0.8043
Gm13	34622558	34622678	Gmdrm	hypo	CHG	-0.128
Gm13	34637868	34637963	Gmdrm	hypo	CHG	-0.7586
Gm13	34638064	34638228	Gmdrm	hypo	CHG	-0.9184
Gm13	34651425	34651707	Gmdrm	hypo	CHG	-0.18
Gm13	34677774	34677858	Gmdrm	hypo	CHG	-0.4816
Gm13	34680304	34680522	Gmdrm	hypo	CHG	-0.5582
Gm13	34681533	34681733	Gmdrm	hypo	CHG	-0.9456
Gm13	34720094	34720278	Gmdrm	hypo	CHG	-0.0299
Gm13	34750425	34750495	Gmdrm	hypo	CHG	-0.68
Gm13	34750596	34750779	Gmdrm	hypo	CHG	-0.7408
Gm13	34750917	34750962	Gmdrm	hypo	CHG	-0.876
Gm13	34776977	34777094	Gmdrm	hypo	CHG	-0.87
Gm13	34834590	34834811	Gmdrm	hypo	CHG	-0.6943
Gm13	34849119	34849294	Gmdrm	hypo	CHG	-0.3393
Gm13	34849416	34849474	Gmdrm	hypo	CHG	-0.7734
Gm13	34849620	34849748	Gmdrm	hypo	CHG	-0.784
Gm13	34849997	34850166	Gmdrm	hypo	CHG	-0.619
Gm13	34860423	34860533	Gmdrm	hypo	CHG	-0.7029
Gm13	34867092	34867245	Gmdrm	hypo	CHG	-0.66
Gm13	34867399	34867614	Gmdrm	hypo	CHG	-0.7037
Gm13	34867816	34867896	Gmdrm	hypo	CHG	-0.4933
Gm13	34868034	34868307	Gmdrm	hypo	CHG	-0.5666
Gm13	34877344	34877426	Gmdrm	hypo	CHG	-0.8484
Gm13	34882330	34882569	Gmdrm	hypo	CHG	-0.7854
Gm13	34882862	34882909	Gmdrm	hypo	CHG	-0.8233
Gm13	34883592	34883848	Gmdrm	hypo	CHG	-0.8037
Gm13	34885835	34886270	Gmdrm	hypo	CHG	-0.0323
Gm13	34900940	34901008	Gmdrm	hypo	CHG	-0.628
Gm13	34901188	34901669	Gmdrm	hypo	CHG	-0.291
Gm13	34902119	34902273	Gmdrm	hypo	CHG	-0.4367
Gm13	34907405	34907646	Gmdrm	hypo	CHG	-0.0833
Gm13	34914221	34914476	Gmdrm	hypo	CHG	-0.038
Gm13	34931262	34931376	Gmdrm	hypo	CHG	-0.6887
Gm13	34931556	34931758	Gmdrm	hypo	CHG	-0.4855
Gm13	34972117	34972279	Gmdrm	hypo	CHG	-0.0414

Gm13	34972411	34972506	Gmdrm	hypo	CHG	-0.695
Gm13	34972613	34972765	Gmdrm	hypo	CHG	-0.9328
Gm13	34973753	34973876	Gmdrm	hypo	CHG	-0.505
Gm13	34995142	34995208	Gmdrm	hypo	CHG	-0.044
Gm13	35005419	35005594	Gmdrm	hypo	CHG	-0.371
Gm13	35018848	35019113	Gmdrm	hypo	CHG	-0.0644
Gm13	35020418	35020596	Gmdrm	hypo	CHG	-0.7744
Gm13	35022105	35022190	Gmdrm	hypo	CHG	-0.878
Gm13	35027794	35028034	Gmdrm	hypo	CHG	-0.7343
Gm13	35028247	35028515	Gmdrm	hypo	CHG	-0.4638
Gm13	35034747	35034903	Gmdrm	hypo	CHG	-0.4912
Gm13	35035418	35035535	Gmdrm	hypo	CHG	-0.546
Gm13	35052079	35052265	Gmdrm	hypo	CHG	-0.3357
Gm13	35069132	35069376	Gmdrm	hypo	CHG	-0.5617
Gm13	35070473	35070707	Gmdrm	hypo	CHG	-0.7182
Gm13	35077646	35077761	Gmdrm	hypo	CHG	-0.8575
Gm13	35077975	35078106	Gmdrm	hypo	CHG	-0.8789
Gm13	35078210	35078467	Gmdrm	hypo	CHG	-0.864
Gm13	35085464	35085701	Gmdrm	hypo	CHG	-0.0466
Gm13	35157061	35157153	Gmdrm	hypo	CHG	-0.048
Gm13	35159366	35159639	Gmdrm	hypo	CHG	-0.3359
Gm13	35161386	35161854	Gmdrm	hypo	CHG	-0.6645
Gm13	35171372	35171582	Gmdrm	hypo	CHG	-0.772
Gm13	35181510	35181664	Gmdrm	hypo	CHG	-0.642
Gm13	35193245	35193448	Gmdrm	hypo	CHG	-0.4483
Gm13	35193868	35194086	Gmdrm	hypo	CHG	-0.6987
Gm13	35201074	35201265	Gmdrm	hypo	CHG	-0.9547
Gm13	35201375	35201791	Gmdrm	hypo	CHG	-0.7116
Gm13	35204633	35204929	Gmdrm	hypo	CHG	-0.4138
Gm13	35219932	35219980	Gmdrm	hypo	CHG	-0.5717
Gm13	35231884	35231950	Gmdrm	hypo	CHG	-0.8366
Gm13	35232346	35232788	Gmdrm	hypo	CHG	-0.7655
Gm13	35236398	35236617	Gmdrm	hypo	CHG	-0.051
Gm13	35242956	35243165	Gmdrm	hypo	CHG	-0.6567
Gm13	35245273	35245324	Gmdrm	hypo	CHG	-0.5033
Gm13	35250516	35250756	Gmdrm	hypo	CHG	-0.0538
Gm13	35261631	35261852	Gmdrm	hypo	CHG	-0.41
Gm13	35262051	35262157	Gmdrm	hypo	CHG	-0.6417
Gm13	35266110	35266280	Gmdrm	hypo	CHG	-0.7442
Gm13	35272864	35272895	Gmdrm	hypo	CHG	-0.7817
Gm13	35274665	35274712	Gmdrm	hypo	CHG	-0.708
Gm13	35275184	35275398	Gmdrm	hypo	CHG	-0.776
Gm13	35283330	35283602	Gmdrm	hypo	CHG	-0.5656
Gm13	35291858	35291957	Gmdrm	hypo	CHG	-0.7909
Gm13	35302105	35302459	Gmdrm	hypo	CHG	-0.5939
Gm13	35303276	35303450	Gmdrm	hypo	CHG	-0.055

Gm13	35312668	35313058	Gmdrm	hypo	CHG	-0.7412
Gm13	35313335	35313477	Gmdrm	hypo	CHG	-0.5637
Gm13	35318974	35319335	Gmdrm	hypo	CHG	-0.1272
Gm13	35348740	35349115	Gmdrm	hypo	CHG	-0.1619
Gm13	35363061	35363177	Gmdrm	hypo	CHG	-0.084
Gm13	35396516	35396906	Gmdrm	hypo	CHG	-0.0292
Gm13	35401633	35401887	Gmdrm	hypo	CHG	-0.06
Gm13	35405798	35406105	Gmdrm	hypo	CHG	-0.2305
Gm13	35407014	35407129	Gmdrm	hypo	CHG	-0.18
Gm13	35408897	35409082	Gmdrm	hypo	CHG	-0.046
Gm13	35415866	35415948	Gmdrm	hypo	CHG	-0.466
Gm13	35421839	35422203	Gmdrm	hypo	CHG	-0.6753
Gm13	35426214	35426280	Gmdrm	hypo	CHG	-0.434
Gm13	35428800	35428867	Gmdrm	hypo	CHG	-0.03
Gm13	35429093	35430059	Gmdrm	hypo	CHG	-0.8555
Gm13	35430228	35430451	Gmdrm	hypo	CHG	-0.5794
Gm13	35437573	35437863	Gmdrm	hypo	CHG	-0.7338
Gm13	35438012	35438180	Gmdrm	hypo	CHG	-0.7837
Gm13	35444947	35445159	Gmdrm	hypo	CHG	-0.0883
Gm13	35455464	35455577	Gmdrm	hypo	CHG	-0.48
Gm13	35484305	35484431	Gmdrm	hypo	CHG	-0.0567
Gm13	35486904	35487253	Gmdrm	hypo	CHG	-0.3167
Gm13	35487486	35487663	Gmdrm	hypo	CHG	-0.5284
Gm13	35503349	35503405	Gmdrm	hypo	CHG	-0.67
Gm13	35503511	35503615	Gmdrm	hypo	CHG	-0.6785
Gm13	35519859	35520029	Gmdrm	hypo	CHG	-0.1333
Gm13	35529569	35529673	Gmdrm	hypo	CHG	-0.04
Gm13	35537828	35537967	Gmdrm	hypo	CHG	-0.0633
Gm13	35538245	35538745	Gmdrm	hypo	CHG	-0.038
Gm13	35545867	35546438	Gmdrm	hypo	CHG	-0.6025
Gm13	35553653	35554622	Gmdrm	hypo	CHG	-0.5698
Gm13	35561806	35562089	Gmdrm	hypo	CHG	-0.1753
Gm13	35573031	35573135	Gmdrm	hypo	CHG	-0.146
Gm13	35586574	35586908	Gmdrm	hypo	CHG	-0.045
Gm13	35615791	35616075	Gmdrm	hypo	CHG	-0.2964
Gm13	35616914	35617034	Gmdrm	hypo	CHG	-0.2417
Gm13	35619312	35619638	Gmdrm	hypo	CHG	-0.2643
Gm13	35623905	35623953	Gmdrm	hypo	CHG	-0.0367
Gm13	35630590	35630750	Gmdrm	hypo	CHG	-0.7933
Gm13	35634010	35634116	Gmdrm	hypo	CHG	-0.6634
Gm13	35636359	35636474	Gmdrm	hypo	CHG	-0.1138
Gm13	35645727	35645936	Gmdrm	hypo	CHG	-0.6959
Gm13	35654716	35654822	Gmdrm	hypo	CHG	-0.78
Gm13	35656857	35657341	Gmdrm	hypo	CHG	-0.5621
Gm13	35662048	35662177	Gmdrm	hypo	CHG	-0.046
Gm13	35679514	35679921	Gmdrm	hypo	CHG	-0.4015

Gm13	35680789	35680884	Gmdrm	hypo	CHG	-0.034
Gm13	35710337	35710386	Gmdrm	hypo	CHG	-0.082
Gm13	35712921	35713280	Gmdrm	hypo	CHG	-0.5019
Gm13	35714289	35714337	Gmdrm	hypo	CHG	-0.532
Gm13	35714763	35715320	Gmdrm	hypo	CHG	-0.8371
Gm13	35717428	35718059	Gmdrm	hypo	CHG	-0.4494
Gm13	35729517	35729931	Gmdrm	hypo	CHG	-0.1186
Gm13	35730768	35731001	Gmdrm	hypo	CHG	-0.21
Gm13	35731111	35731874	Gmdrm	hypo	CHG	-0.2148
Gm13	35733272	35733819	Gmdrm	hypo	CHG	-0.2324
Gm13	35733955	35734388	Gmdrm	hypo	CHG	-0.5661
Gm13	35734508	35734701	Gmdrm	hypo	CHG	-0.504
Gm13	35736068	35736232	Gmdrm	hypo	CHG	-0.656
Gm13	35736416	35736609	Gmdrm	hypo	CHG	-0.3954
Gm13	35737080	35737196	Gmdrm	hypo	CHG	-0.355
Gm13	35737480	35737588	Gmdrm	hypo	CHG	-0.705
Gm13	35740704	35740847	Gmdrm	hypo	CHG	-0.7372
Gm13	35744349	35744444	Gmdrm	hypo	CHG	-0.6867
Gm13	35745044	35745228	Gmdrm	hypo	CHG	-0.49
Gm13	35746837	35746945	Gmdrm	hypo	CHG	-0.8211
Gm13	35762327	35762489	Gmdrm	hypo	CHG	-0.8423
Gm13	35762591	35762705	Gmdrm	hypo	CHG	-0.8275
Gm13	35768102	35768397	Gmdrm	hypo	CHG	-0.146
Gm13	35776004	35776318	Gmdrm	hypo	CHG	-0.838
Gm13	35780468	35780601	Gmdrm	hypo	CHG	-0.1017
Gm13	35784320	35784792	Gmdrm	hypo	CHG	-0.7737
Gm13	35792012	35792391	Gmdrm	hypo	CHG	-0.8683
Gm13	35847941	35848445	Gmdrm	hypo	CHG	-0.1036
Gm13	35867624	35867675	Gmdrm	hypo	CHG	-0.058
Gm13	35882820	35882870	Gmdrm	hypo	CHG	-0.05
Gm13	35916666	35916808	Gmdrm	hypo	CHG	-0.2367
Gm13	35928055	35928280	Gmdrm	hypo	CHG	-0.032
Gm13	35929684	35929927	Gmdrm	hypo	CHG	-0.2095
Gm13	35930499	35930689	Gmdrm	hypo	CHG	-0.4877
Gm13	35931550	35931707	Gmdrm	hypo	CHG	-0.1587
Gm13	35934876	35935031	Gmdrm	hypo	CHG	-0.075
Gm13	35952112	35952220	Gmdrm	hypo	CHG	-0.82
Gm13	35959993	35960081	Gmdrm	hypo	CHG	-0.6872
Gm13	35960624	35960767	Gmdrm	hypo	CHG	-0.405
Gm13	35961269	35961415	Gmdrm	hypo	CHG	-0.032
Gm13	35970157	35970337	Gmdrm	hypo	CHG	-0.3119
Gm13	35970440	35970528	Gmdrm	hypo	CHG	-0.234
Gm13	35997787	35998369	Gmdrm	hypo	CHG	-0.6893
Gm13	36011272	36011737	Gmdrm	hypo	CHG	-0.3294
Gm13	36047465	36047687	Gmdrm	hypo	CHG	-0.0425
Gm13	36055437	36056429	Gmdrm	hypo	CHG	-0.2428

Gm13	36072006	36072110	Gmdrm	hypo	CHG	-0.705
Gm13	36103462	36103610	Gmdrm	hypo	CHG	-0.8873
Gm13	36104905	36104985	Gmdrm	hypo	CHG	-0.7927
Gm13	36105205	36105505	Gmdrm	hypo	CHG	-0.2606
Gm13	36106229	36106427	Gmdrm	hypo	CHG	-0.06
Gm13	36121783	36121957	Gmdrm	hypo	CHG	-0.3267
Gm13	36170865	36171179	Gmdrm	hypo	CHG	-0.1123
Gm13	36181105	36181255	Gmdrm	hypo	CHG	-0.7973
Gm13	36195591	36195796	Gmdrm	hypo	CHG	-0.048
Gm13	36205585	36205774	Gmdrm	hypo	CHG	-0.0367
Gm13	36209797	36209954	Gmdrm	hypo	CHG	-0.028
Gm13	36212079	36212297	Gmdrm	hypo	CHG	-0.038
Gm13	36213101	36213151	Gmdrm	hypo	CHG	-0.86
Gm13	36217546	36217793	Gmdrm	hypo	CHG	-0.0433
Gm13	36226431	36226640	Gmdrm	hypo	CHG	-0.0337
Gm13	36233738	36233909	Gmdrm	hypo	CHG	-0.4973
Gm13	36234144	36234460	Gmdrm	hypo	CHG	-0.2332
Gm13	36248834	36248965	Gmdrm	hypo	CHG	-0.046
Gm13	36251669	36251722	Gmdrm	hypo	CHG	-0.44
Gm13	36251922	36252033	Gmdrm	hypo	CHG	-0.3417
Gm13	36266523	36266648	Gmdrm	hypo	CHG	-0.0275
Gm13	36280896	36281046	Gmdrm	hypo	CHG	-0.2
Gm13	36290315	36290430	Gmdrm	hypo	CHG	-0.0283
Gm13	36291432	36291992	Gmdrm	hypo	CHG	-0.2237
Gm13	36305724	36305802	Gmdrm	hypo	CHG	-0.0917
Gm13	36305905	36306016	Gmdrm	hypo	CHG	-0.91
Gm13	36306352	36306596	Gmdrm	hypo	CHG	-0.6674
Gm13	36343090	36343752	Gmdrm	hypo	CHG	-0.7084
Gm13	36346520	36346536	Gmdrm	hypo	CHG	-0.108
Gm13	36346640	36346721	Gmdrm	hypo	CHG	-0.4691
Gm13	36384737	36384850	Gmdrm	hypo	CHG	-0.92
Gm13	36407839	36408117	Gmdrm	hypo	CHG	-0.1946
Gm13	36408381	36408675	Gmdrm	hypo	CHG	-0.2025
Gm13	36412842	36412988	Gmdrm	hypo	CHG	-0.746
Gm13	36413374	36413792	Gmdrm	hypo	CHG	-0.512
Gm13	36432385	36432500	Gmdrm	hypo	CHG	-0.2584
Gm13	36438891	36439104	Gmdrm	hypo	CHG	-0.1109
Gm13	36453314	36453533	Gmdrm	hypo	CHG	-0.0386
Gm13	36454544	36454949	Gmdrm	hypo	CHG	-0.0525
Gm13	36458265	36458655	Gmdrm	hypo	CHG	-0.0373
Gm13	36458906	36459015	Gmdrm	hypo	CHG	-0.048
Gm13	36487485	36488013	Gmdrm	hypo	CHG	-0.2816
Gm13	36538459	36538733	Gmdrm	hypo	CHG	-0.6816
Gm13	36539505	36539845	Gmdrm	hypo	CHG	-0.3046
Gm13	36540881	36540999	Gmdrm	hypo	CHG	-0.8844
Gm13	36543304	36543489	Gmdrm	hypo	CHG	-0.5175

Gm13	36550138	36550260	Gmdrm	hypo	CHG	-0.645
Gm13	36554670	36554741	Gmdrm	hypo	CHG	-0.4983
Gm13	36579819	36579908	Gmdrm	hypo	CHG	-0.8567
Gm13	36589988	36590076	Gmdrm	hypo	CHG	-0.1415
Gm13	36637420	36637747	Gmdrm	hypo	CHG	-0.4125
Gm13	36638083	36638340	Gmdrm	hypo	CHG	-0.7438
Gm13	36639400	36639937	Gmdrm	hypo	CHG	-0.6517
Gm13	36659993	36660179	Gmdrm	hypo	CHG	-0.2986
Gm13	36660879	36661022	Gmdrm	hypo	CHG	-0.6883
Gm13	36678012	36678654	Gmdrm	hypo	CHG	-0.0893
Gm13	36692939	36693015	Gmdrm	hypo	CHG	-0.434
Gm13	36697904	36697984	Gmdrm	hypo	CHG	-0.74
Gm13	36727871	36727911	Gmdrm	hypo	CHG	-0.45
Gm13	36729825	36730100	Gmdrm	hypo	CHG	-0.0578
Gm13	36746052	36746266	Gmdrm	hypo	CHG	-0.03
Gm13	36761179	36761459	Gmdrm	hypo	CHG	-0.2293
Gm13	36765227	36765365	Gmdrm	hypo	CHG	-0.607
Gm13	36786934	36787110	Gmdrm	hypo	CHG	-0.5218
Gm13	36796546	36796855	Gmdrm	hypo	CHG	-0.043
Gm13	36804994	36805201	Gmdrm	hypo	CHG	-0.04
Gm13	36816720	36816826	Gmdrm	hypo	CHG	-0.032
Gm13	36872219	36872382	Gmdrm	hypo	CHG	-0.084
Gm13	36876637	36876972	Gmdrm	hypo	CHG	-0.3195
Gm13	36877218	36877437	Gmdrm	hypo	CHG	-0.2241
Gm13	36877793	36878061	Gmdrm	hypo	CHG	-0.8162
Gm13	36882305	36882435	Gmdrm	hypo	CHG	-0.0516
Gm13	36888995	36889157	Gmdrm	hypo	CHG	-0.1914
Gm13	36889391	36889721	Gmdrm	hypo	CHG	-0.5178
Gm13	36893167	36893460	Gmdrm	hypo	CHG	-0.6245
Gm13	36927031	36927256	Gmdrm	hypo	CHG	-0.8384
Gm13	36928280	36928485	Gmdrm	hypo	CHG	-0.475
Gm13	36938094	36938311	Gmdrm	hypo	CHG	-0.0611
Gm13	36941559	36941585	Gmdrm	hypo	CHG	-0.7533
Gm13	36941735	36941751	Gmdrm	hypo	CHG	-0.85
Gm13	36941932	36942035	Gmdrm	hypo	CHG	-0.372
Gm13	36952446	36952536	Gmdrm	hypo	CHG	-0.3124
Gm13	36963993	36964078	Gmdrm	hypo	CHG	-0.436
Gm13	36967042	36967335	Gmdrm	hypo	CHG	-0.7806
Gm13	36967658	36967965	Gmdrm	hypo	CHG	-0.7366
Gm13	36970609	36970990	Gmdrm	hypo	CHG	-0.4546
Gm13	36971110	36971280	Gmdrm	hypo	CHG	-0.6809
Gm13	36986416	36986694	Gmdrm	hypo	CHG	-0.83
Gm13	36991228	36991580	Gmdrm	hypo	CHG	-0.3608
Gm13	36994571	36994788	Gmdrm	hypo	CHG	-0.3578
Gm13	37015707	37015922	Gmdrm	hypo	CHG	-0.6046
Gm13	37018721	37018839	Gmdrm	hypo	CHG	-0.092

Gm13	37039242	37039498	Gmdrm	hypo	CHG	-0.7107
Gm13	37039712	37039833	Gmdrm	hypo	CHG	-0.9209
Gm13	37039959	37040329	Gmdrm	hypo	CHG	-0.5334
Gm13	37060779	37060923	Gmdrm	hypo	CHG	-0.346
Gm13	37061045	37061277	Gmdrm	hypo	CHG	-0.5542
Gm13	37078455	37078576	Gmdrm	hypo	CHG	-0.59
Gm13	37093156	37093533	Gmdrm	hypo	CHG	-0.3652
Gm13	37101644	37101842	Gmdrm	hypo	CHG	-0.0228
Gm13	37116563	37116918	Gmdrm	hypo	CHG	-0.516
Gm13	37117020	37117209	Gmdrm	hypo	CHG	-0.4137
Gm13	37124549	37124909	Gmdrm	hypo	CHG	-0.7489
Gm13	37125152	37125246	Gmdrm	hypo	CHG	-0.7312
Gm13	37125906	37126135	Gmdrm	hypo	CHG	-0.7023
Gm13	37129324	37129413	Gmdrm	hypo	CHG	-0.5
Gm13	37141524	37141884	Gmdrm	hypo	CHG	-0.033
Gm13	37144507	37144596	Gmdrm	hypo	CHG	-0.046
Gm13	37174335	37174559	Gmdrm	hypo	CHG	-0.1936
Gm13	37177715	37177845	Gmdrm	hypo	CHG	-0.7489
Gm13	37178103	37178403	Gmdrm	hypo	CHG	-0.1963
Gm13	37192990	37193090	Gmdrm	hypo	CHG	-0.044
Gm13	37200135	37200294	Gmdrm	hypo	CHG	-0.038
Gm13	37206184	37206593	Gmdrm	hypo	CHG	-0.7922
Gm13	37252753	37252890	Gmdrm	hypo	CHG	-0.16
Gm13	37260692	37260892	Gmdrm	hypo	CHG	-0.05
Gm13	37266353	37266372	Gmdrm	hypo	CHG	-0.52
Gm13	37267232	37267298	Gmdrm	hypo	CHG	-0.552
Gm13	37281356	37281450	Gmdrm	hypo	CHG	-0.826
Gm13	37296968	37297095	Gmdrm	hypo	CHG	-0.058
Gm13	37335662	37336147	Gmdrm	hypo	CHG	-0.1206
Gm13	37349971	37350389	Gmdrm	hypo	CHG	-0.3355
Gm13	37350509	37350643	Gmdrm	hypo	CHG	-0.162
Gm13	37379060	37379181	Gmdrm	hypo	CHG	-0.032
Gm13	37394520	37394878	Gmdrm	hypo	CHG	-0.0487
Gm13	37401635	37401776	Gmdrm	hypo	CHG	-0.6591
Gm13	37402045	37402352	Gmdrm	hypo	CHG	-0.6631
Gm13	37424170	37424259	Gmdrm	hypo	CHG	-0.0328
Gm13	37455669	37455904	Gmdrm	hypo	CHG	-0.048
Gm13	37493592	37493685	Gmdrm	hypo	CHG	-0.03
Gm13	37496912	37497195	Gmdrm	hypo	CHG	-0.67
Gm13	37498514	37498841	Gmdrm	hypo	CHG	-0.5796
Gm13	37508895	37509055	Gmdrm	hypo	CHG	-0.8189
Gm13	37518085	37518186	Gmdrm	hypo	CHG	-0.7191
Gm13	37520054	37520264	Gmdrm	hypo	CHG	-0.4266
Gm13	37529369	37529780	Gmdrm	hypo	CHG	-0.41
Gm13	37537819	37537962	Gmdrm	hypo	CHG	-0.51
Gm13	37543888	37543997	Gmdrm	hypo	CHG	-0.0333

Gm13	37562077	37562124	Gmdrm	hypo	CHG	-0.8267
Gm13	37614732	37614869	Gmdrm	hypo	CHG	-0.5757
Gm13	37615588	37615683	Gmdrm	hypo	CHG	-0.4733
Gm13	37615951	37616218	Gmdrm	hypo	CHG	-0.6308
Gm13	37627712	37628202	Gmdrm	hypo	CHG	-0.4188
Gm13	37628453	37628565	Gmdrm	hypo	CHG	-0.8637
Gm13	37648219	37648518	Gmdrm	hypo	CHG	-0.0213
Gm13	37656239	37656678	Gmdrm	hypo	CHG	-0.0307
Gm13	37660822	37661190	Gmdrm	hypo	CHG	-0.0633
Gm13	37681035	37681134	Gmdrm	hypo	CHG	-0.0317
Gm13	37711449	37711717	Gmdrm	hypo	CHG	-0.04
Gm13	37742551	37742971	Gmdrm	hypo	CHG	-0.7747
Gm13	37772630	37773177	Gmdrm	hypo	CHG	-0.1913
Gm13	37781730	37781889	Gmdrm	hypo	CHG	-0.0271
Gm13	37783825	37783954	Gmdrm	hypo	CHG	-0.62
Gm13	37784091	37784160	Gmdrm	hypo	CHG	-0.5634
Gm13	37795338	37795426	Gmdrm	hypo	CHG	-0.384
Gm13	37795567	37795984	Gmdrm	hypo	CHG	-0.5017
Gm13	37796937	37797188	Gmdrm	hypo	CHG	-0.4025
Gm13	37802214	37802410	Gmdrm	hypo	CHG	-0.7011
Gm13	37813351	37813462	Gmdrm	hypo	CHG	-0.026
Gm13	37825661	37825938	Gmdrm	hypo	CHG	-0.2875
Gm13	37870655	37870932	Gmdrm	hypo	CHG	-0.4961
Gm13	37875018	37875395	Gmdrm	hypo	CHG	-0.4091
Gm13	37880495	37880694	Gmdrm	hypo	CHG	-0.6512
Gm13	37881307	37881788	Gmdrm	hypo	CHG	-0.2189
Gm13	37885424	37885488	Gmdrm	hypo	CHG	-0.634
Gm13	37897975	37898059	Gmdrm	hypo	CHG	-0.0383
Gm13	37934451	37934817	Gmdrm	hypo	CHG	-0.43
Gm13	37935127	37935804	Gmdrm	hypo	CHG	-0.3961
Gm13	37936025	37936299	Gmdrm	hypo	CHG	-0.638
Gm13	37956292	37956317	Gmdrm	hypo	CHG	-0.0387
Gm13	37970709	37970995	Gmdrm	hypo	CHG	-0.7762
Gm13	37971111	37971203	Gmdrm	hypo	CHG	-0.7127
Gm13	37971326	37971541	Gmdrm	hypo	CHG	-0.7767
Gm13	37998314	37998710	Gmdrm	hypo	CHG	-0.8
Gm13	38007126	38007358	Gmdrm	hypo	CHG	-0.572
Gm13	38013682	38013859	Gmdrm	hypo	CHG	-0.5457
Gm13	38015846	38016257	Gmdrm	hypo	CHG	-0.9412
Gm13	38043546	38043673	Gmdrm	hypo	CHG	-0.7676
Gm13	38044069	38044201	Gmdrm	hypo	CHG	-0.7086
Gm13	38053765	38054045	Gmdrm	hypo	CHG	-0.3133
Gm13	38070890	38070941	Gmdrm	hypo	CHG	-0.2038
Gm13	38071109	38071156	Gmdrm	hypo	CHG	-0.046
Gm13	38071538	38071862	Gmdrm	hypo	CHG	-0.0355
Gm13	38074079	38074246	Gmdrm	hypo	CHG	-0.0317

Gm13	38095556	38095743	Gmdrm	hypo	CHG	-0.0636
Gm13	38117027	38117191	Gmdrm	hypo	CHG	-0.39
Gm13	38117373	38117417	Gmdrm	hypo	CHG	-0.795
Gm13	38147937	38148099	Gmdrm	hypo	CHG	-0.8957
Gm13	38148209	38148380	Gmdrm	hypo	CHG	-0.6593
Gm13	38152123	38152255	Gmdrm	hypo	CHG	-0.044
Gm13	38157392	38157461	Gmdrm	hypo	CHG	-0.058
Gm13	38162769	38162920	Gmdrm	hypo	CHG	-0.8828
Gm13	38173533	38173908	Gmdrm	hypo	CHG	-0.5412
Gm13	38175139	38175275	Gmdrm	hypo	CHG	-0.6242
Gm13	38175445	38175617	Gmdrm	hypo	CHG	-0.86
Gm13	38176200	38176650	Gmdrm	hypo	CHG	-0.0104
Gm13	38178664	38178926	Gmdrm	hypo	CHG	-0.2354
Gm13	38183682	38183745	Gmdrm	hypo	CHG	-0.825
Gm13	38184245	38184459	Gmdrm	hypo	CHG	-0.6964
Gm13	38184600	38184740	Gmdrm	hypo	CHG	-0.5567
Gm13	38185174	38185200	Gmdrm	hypo	CHG	-0.4634
Gm13	38191730	38192086	Gmdrm	hypo	CHG	-0.0087
Gm13	38193506	38193578	Gmdrm	hypo	CHG	-0.4184
Gm13	38194747	38194816	Gmdrm	hypo	CHG	-0.2972
Gm13	38199721	38199864	Gmdrm	hypo	CHG	-0.58
Gm13	38199982	38200138	Gmdrm	hypo	CHG	-0.475
Gm13	38201812	38202136	Gmdrm	hypo	CHG	-0.01
Gm13	38212230	38212501	Gmdrm	hypo	CHG	-0.2241
Gm13	38214557	38214750	Gmdrm	hypo	CHG	-0.7754
Gm13	38219787	38220193	Gmdrm	hypo	CHG	-0.2322
Gm13	38223696	38223825	Gmdrm	hypo	CHG	-0.5613
Gm13	38224184	38224320	Gmdrm	hypo	CHG	-0.7889
Gm13	38226397	38226505	Gmdrm	hypo	CHG	-0.6787
Gm13	38227270	38227391	Gmdrm	hypo	CHG	-0.2629
Gm13	38229807	38229877	Gmdrm	hypo	CHG	-0.3783
Gm13	38230280	38230619	Gmdrm	hypo	CHG	-0.1126
Gm13	38284054	38284150	Gmdrm	hypo	CHG	-0.062
Gm13	38291886	38292062	Gmdrm	hypo	CHG	-0.24
Gm13	38296109	38296427	Gmdrm	hypo	CHG	-0.4289
Gm13	38316239	38316742	Gmdrm	hypo	CHG	-0.566
Gm13	38326936	38327123	Gmdrm	hypo	CHG	-0.08
Gm13	38328059	38328136	Gmdrm	hypo	CHG	-0.34
Gm13	38328395	38328880	Gmdrm	hypo	CHG	-0.2572
Gm13	38331927	38332190	Gmdrm	hypo	CHG	-0.8742
Gm13	38332650	38332807	Gmdrm	hypo	CHG	-0.8638
Gm13	38337246	38337528	Gmdrm	hypo	CHG	-0.5659
Gm13	38337708	38337838	Gmdrm	hypo	CHG	-0.605
Gm13	38345804	38346143	Gmdrm	hypo	CHG	-0.0533
Gm13	38384672	38385635	Gmdrm	hypo	CHG	-0.2998
Gm13	38385721	38386188	Gmdrm	hypo	CHG	-0.4019

Gm13	38389088	38389280	Gmdrm	hypo	CHG	-0.055
Gm13	38390221	38390438	Gmdrm	hypo	CHG	-0.038
Gm13	38395465	38395514	Gmdrm	hypo	CHG	-0.57
Gm13	38414526	38414561	Gmdrm	hypo	CHG	-0.605
Gm13	38414671	38414763	Gmdrm	hypo	CHG	-0.7283
Gm13	38423083	38423479	Gmdrm	hypo	CHG	-0.2394
Gm13	38431096	38431234	Gmdrm	hypo	CHG	-0.034
Gm13	38456297	38456780	Gmdrm	hypo	CHG	-0.71
Gm13	38466817	38467064	Gmdrm	hypo	CHG	-0.0277
Gm13	38480813	38480990	Gmdrm	hypo	CHG	-0.5067
Gm13	38481411	38481736	Gmdrm	hypo	CHG	-0.3582
Gm13	38494684	38494875	Gmdrm	hypo	CHG	-0.0733
Gm13	38508781	38509185	Gmdrm	hypo	CHG	-0.0318
Gm13	38513151	38513297	Gmdrm	hypo	CHG	-0.8333
Gm13	38517821	38518614	Gmdrm	hypo	CHG	-0.5672
Gm13	38528890	38529378	Gmdrm	hypo	CHG	-0.3144
Gm13	38529839	38530014	Gmdrm	hypo	CHG	-0.3166
Gm13	38545637	38545906	Gmdrm	hypo	CHG	-0.1243
Gm13	38558020	38558312	Gmdrm	hypo	CHG	-0.0363
Gm13	38576504	38576997	Gmdrm	hypo	CHG	-0.0406
Gm13	38595862	38595982	Gmdrm	hypo	CHG	-0.034
Gm13	38601670	38601988	Gmdrm	hypo	CHG	-0.2209
Gm13	38602816	38603138	Gmdrm	hypo	CHG	-0.5189
Gm13	38603942	38604044	Gmdrm	hypo	CHG	-0.7333
Gm13	38604764	38605005	Gmdrm	hypo	CHG	-0.3433
Gm13	38643745	38644253	Gmdrm	hypo	CHG	-0.5537
Gm13	38654281	38654566	Gmdrm	hypo	CHG	-0.358
Gm13	38658115	38658142	Gmdrm	hypo	CHG	-0.8967
Gm13	38662342	38662479	Gmdrm	hypo	CHG	-0.038
Gm13	38664602	38664928	Gmdrm	hypo	CHG	-0.032
Gm13	38670994	38671031	Gmdrm	hypo	CHG	-0.054
Gm13	38684668	38684875	Gmdrm	hypo	CHG	-0.3025
Gm13	38686649	38686925	Gmdrm	hypo	CHG	-0.7567
Gm13	38693256	38693437	Gmdrm	hypo	CHG	-0.0612
Gm13	38698310	38698531	Gmdrm	hypo	CHG	-0.4315
Gm13	38700587	38700740	Gmdrm	hypo	CHG	-0.6854
Gm13	38728750	38728910	Gmdrm	hypo	CHG	-0.7656
Gm13	38729172	38729404	Gmdrm	hypo	CHG	-0.4456
Gm13	38740542	38740738	Gmdrm	hypo	CHG	-0.184
Gm13	38740855	38740877	Gmdrm	hypo	CHG	-0.96
Gm13	38741610	38741878	Gmdrm	hypo	CHG	-0.4855
Gm13	38743364	38743529	Gmdrm	hypo	CHG	-0.64
Gm13	38753879	38754064	Gmdrm	hypo	CHG	-0.89
Gm13	38770020	38770113	Gmdrm	hypo	CHG	-0.0745
Gm13	38775811	38776114	Gmdrm	hypo	CHG	-0.0471
Gm13	38781761	38782109	Gmdrm	hypo	CHG	-0.0475

Gm13	38792857	38793367	Gmdrm	hypo	CHG	-0.0262
Gm13	38803302	38803765	Gmdrm	hypo	CHG	-0.2044
Gm13	38803868	38803990	Gmdrm	hypo	CHG	-0.3628
Gm13	38815492	38815608	Gmdrm	hypo	CHG	-0.0557
Gm13	38872146	38872262	Gmdrm	hypo	CHG	-0.1482
Gm13	38877108	38877408	Gmdrm	hypo	CHG	-0.2444
Gm13	38877525	38877695	Gmdrm	hypo	CHG	-0.6945
Gm13	38902198	38902366	Gmdrm	hypo	CHG	-0.0669
Gm13	38908674	38908996	Gmdrm	hypo	CHG	-0.2885
Gm13	38915360	38915591	Gmdrm	hypo	CHG	-0.544
Gm13	38938852	38939093	Gmdrm	hypo	CHG	-0.5
Gm13	38960669	38960916	Gmdrm	hypo	CHG	-0.0237
Gm13	38991352	38991415	Gmdrm	hypo	CHG	-0.8175
Gm13	38991534	38991690	Gmdrm	hypo	CHG	-0.9031
Gm13	39012919	39013104	Gmdrm	hypo	CHG	-0.9207
Gm13	39041856	39042259	Gmdrm	hypo	CHG	-0.037
Gm13	39084635	39084864	Gmdrm	hypo	CHG	-0.04
Gm13	39135662	39135767	Gmdrm	hypo	CHG	-0.744
Gm13	39137796	39138198	Gmdrm	hypo	CHG	-0.7154
Gm13	39140381	39140513	Gmdrm	hypo	CHG	-0.33
Gm13	39150191	39150258	Gmdrm	hypo	CHG	-0.08
Gm13	39150412	39150538	Gmdrm	hypo	CHG	-0.8844
Gm13	39150678	39150771	Gmdrm	hypo	CHG	-0.958
Gm13	39150899	39151067	Gmdrm	hypo	CHG	-0.8489
Gm13	39164829	39164871	Gmdrm	hypo	CHG	-0.49
Gm13	39166478	39166736	Gmdrm	hypo	CHG	-0.6183
Gm13	39173180	39173627	Gmdrm	hypo	CHG	-0.7131
Gm13	39176096	39176595	Gmdrm	hypo	CHG	-0.5233
Gm13	39184250	39184405	Gmdrm	hypo	CHG	-0.9007
Gm13	39197304	39197429	Gmdrm	hypo	CHG	-0.055
Gm13	39200991	39201983	Gmdrm	hypo	CHG	-0.1838
Gm13	39241467	39241515	Gmdrm	hypo	CHG	-0.814
Gm13	39241635	39241693	Gmdrm	hypo	CHG	-0.814
Gm13	39248167	39248723	Gmdrm	hypo	CHG	-0.1296
Gm13	39269028	39269322	Gmdrm	hypo	CHG	-0.1668
Gm13	39271621	39272131	Gmdrm	hypo	CHG	-0.1508
Gm13	39272828	39273126	Gmdrm	hypo	CHG	-0.2924
Gm13	39273232	39273249	Gmdrm	hypo	CHG	-0.665
Gm13	39278589	39279022	Gmdrm	hypo	CHG	-0.2878
Gm13	39284745	39284831	Gmdrm	hypo	CHG	-0.64
Gm13	39284964	39284991	Gmdrm	hypo	CHG	-0.575
Gm13	39315269	39315473	Gmdrm	hypo	CHG	-0.6753
Gm13	39341175	39341288	Gmdrm	hypo	CHG	-0.6886
Gm13	39345504	39345717	Gmdrm	hypo	CHG	-0.46
Gm13	39346756	39346903	Gmdrm	hypo	CHG	-0.3525
Gm13	39361439	39361712	Gmdrm	hypo	CHG	-0.0412

Gm13	39367001	39367198	Gmdrm	hypo	CHG	-0.2183
Gm13	39375756	39376435	Gmdrm	hypo	CHG	-0.2239
Gm13	39377533	39377645	Gmdrm	hypo	CHG	-0.0463
Gm13	39383198	39383424	Gmdrm	hypo	CHG	-0.3155
Gm13	39383639	39383793	Gmdrm	hypo	CHG	-0.68
Gm13	39383945	39384007	Gmdrm	hypo	CHG	-0.755
Gm13	39384125	39384459	Gmdrm	hypo	CHG	-0.5971
Gm13	39390842	39390925	Gmdrm	hypo	CHG	-0.66
Gm13	39391177	39391313	Gmdrm	hypo	CHG	-0.6614
Gm13	39392778	39393036	Gmdrm	hypo	CHG	-0.7277
Gm13	39398794	39398965	Gmdrm	hypo	CHG	-0.605
Gm13	39404003	39404220	Gmdrm	hypo	CHG	-0.7633
Gm13	39404377	39404532	Gmdrm	hypo	CHG	-0.492
Gm13	39404867	39405264	Gmdrm	hypo	CHG	-0.312
Gm13	39405486	39405632	Gmdrm	hypo	CHG	-0.0682
Gm13	39405826	39406217	Gmdrm	hypo	CHG	-0.666
Gm13	39406539	39406622	Gmdrm	hypo	CHG	-0.69
Gm13	39412996	39413156	Gmdrm	hypo	CHG	-0.835
Gm13	39423505	39423571	Gmdrm	hypo	CHG	-0.0285
Gm13	39455997	39456569	Gmdrm	hypo	CHG	-0.2961
Gm13	39478064	39478219	Gmdrm	hypo	CHG	-0.43
Gm13	39492388	39492588	Gmdrm	hypo	CHG	-0.2862
Gm13	39492849	39493154	Gmdrm	hypo	CHG	-0.505
Gm13	39499685	39499916	Gmdrm	hypo	CHG	-0.47
Gm13	39516144	39517143	Gmdrm	hypo	CHG	-0.3129
Gm13	39517165	39517335	Gmdrm	hypo	CHG	-0.421
Gm13	39525846	39526268	Gmdrm	hypo	CHG	-0.48
Gm13	39545163	39545314	Gmdrm	hypo	CHG	-0.4644
Gm13	39546057	39546195	Gmdrm	hypo	CHG	-0.575
Gm13	39573200	39573270	Gmdrm	hypo	CHG	-0.145
Gm13	39573661	39574072	Gmdrm	hypo	CHG	-0.775
Gm13	39574464	39574566	Gmdrm	hypo	CHG	-0.28
Gm13	39591809	39591892	Gmdrm	hypo	CHG	-0.54
Gm13	39598971	39599071	Gmdrm	hypo	CHG	-0.1733
Gm13	39658148	39658228	Gmdrm	hypo	CHG	-0.08
Gm13	39658821	39658958	Gmdrm	hypo	CHG	-0.116
Gm13	39659546	39659846	Gmdrm	hypo	CHG	-0.0316
Gm13	39662117	39662328	Gmdrm	hypo	CHG	-0.78
Gm13	39662483	39662663	Gmdrm	hypo	CHG	-0.4025
Gm13	39675450	39675680	Gmdrm	hypo	CHG	-0.87
Gm13	39675874	39676076	Gmdrm	hypo	CHG	-0.8444
Gm13	39678945	39679324	Gmdrm	hypo	CHG	-0.0554
Gm13	39718598	39718831	Gmdrm	hypo	CHG	-0.046
Gm13	39739535	39739635	Gmdrm	hypo	CHG	-0.6667
Gm13	39755525	39755639	Gmdrm	hypo	CHG	-0.6514
Gm13	39779814	39780035	Gmdrm	hypo	CHG	-0.062

Gm13	39784738	39784850	Gmdrm	hypo	CHG	-0.5314
Gm13	39784968	39785132	Gmdrm	hypo	CHG	-0.497
Gm13	39815748	39816452	Gmdrm	hypo	CHG	-0.1623
Gm13	39817387	39817415	Gmdrm	hypo	CHG	-0.2133
Gm13	39829845	39830042	Gmdrm	hypo	CHG	-0.054
Gm13	39835416	39835690	Gmdrm	hypo	CHG	-0.451
Gm13	39839313	39839569	Gmdrm	hypo	CHG	-0.078
Gm13	39848995	39849263	Gmdrm	hypo	CHG	-0.4194
Gm13	39862995	39863215	Gmdrm	hypo	CHG	-0.5572
Gm13	39863557	39863776	Gmdrm	hypo	CHG	-0.4679
Gm13	39864011	39864248	Gmdrm	hypo	CHG	-0.4981
Gm13	39909384	39909685	Gmdrm	hypo	CHG	-0.036
Gm13	39916406	39916632	Gmdrm	hypo	CHG	-0.0571
Gm13	39945439	39945561	Gmdrm	hypo	CHG	-0.604
Gm13	39945810	39946017	Gmdrm	hypo	CHG	-0.26
Gm13	39948178	39948544	Gmdrm	hypo	CHG	-0.0509
Gm13	39949988	39950758	Gmdrm	hypo	CHG	-0.2317
Gm13	39964870	39965246	Gmdrm	hypo	CHG	-0.4167
Gm13	39977382	39977641	Gmdrm	hypo	CHG	-0.08
Gm13	40001740	40002304	Gmdrm	hypo	CHG	-0.0639
Gm13	40023307	40023406	Gmdrm	hypo	CHG	-0.355
Gm13	40029739	40030021	Gmdrm	hypo	CHG	-0.4987
Gm13	40061372	40061432	Gmdrm	hypo	CHG	-0.8229
Gm13	40086314	40086472	Gmdrm	hypo	CHG	-0.054
Gm13	40113316	40113644	Gmdrm	hypo	CHG	-0.34
Gm13	40113904	40113986	Gmdrm	hypo	CHG	-0.6
Gm13	40119676	40120004	Gmdrm	hypo	CHG	-0.0514
Gm13	40129843	40130057	Gmdrm	hypo	CHG	-0.0366
Gm13	40145447	40145534	Gmdrm	hypo	CHG	-0.652
Gm13	40147803	40147918	Gmdrm	hypo	CHG	-0.3872
Gm13	40148051	40148190	Gmdrm	hypo	CHG	-0.7263
Gm13	40151824	40152080	Gmdrm	hypo	CHG	-0.2763
Gm13	40181190	40181455	Gmdrm	hypo	CHG	-0.566
Gm13	40181672	40181719	Gmdrm	hypo	CHG	-0.484
Gm13	40189136	40189359	Gmdrm	hypo	CHG	-0.7837
Gm13	40189722	40189859	Gmdrm	hypo	CHG	-0.294
Gm13	40194734	40194867	Gmdrm	hypo	CHG	-0.3536
Gm13	40206426	40206797	Gmdrm	hypo	CHG	-0.602
Gm13	40206906	40207034	Gmdrm	hypo	CHG	-0.4167
Gm13	40207202	40207241	Gmdrm	hypo	CHG	-0.695
Gm13	40207600	40207640	Gmdrm	hypo	CHG	-0.8683
Gm13	40211091	40211299	Gmdrm	hypo	CHG	-0.7447
Gm13	40211764	40212133	Gmdrm	hypo	CHG	-0.5187
Gm13	40214394	40214501	Gmdrm	hypo	CHG	-0.0563
Gm13	40214610	40215113	Gmdrm	hypo	CHG	-0.8974
Gm13	40228271	40228549	Gmdrm	hypo	CHG	-0.225

Gm13	40243511	40243558 Gmdrm	hypo	CHG	-0.515
Gm13	40243789	40243983 Gmdrm	hypo	CHG	-0.2456
Gm13	40249865	40249930 Gmdrm	hypo	CHG	-0.7083
Gm13	40267353	40267393 Gmdrm	hypo	CHG	-0.412
Gm13	40268078	40268300 Gmdrm	hypo	CHG	-0.0714
Gm13	40268719	40268835 Gmdrm	hypo	CHG	-0.4683
Gm13	40288875	40288935 Gmdrm	hypo	CHG	-0.5717
Gm13	40307208	40307268 Gmdrm	hypo	CHG	-0.7975
Gm13	40316092	40316592 Gmdrm	hypo	CHG	-0.7048
Gm13	40317754	40317869 Gmdrm	hypo	CHG	-0.7214
Gm13	40328662	40328823 Gmdrm	hypo	CHG	-0.4851
Gm13	40339509	40339640 Gmdrm	hypo	CHG	-0.69
Gm13	40339988	40340120 Gmdrm	hypo	CHG	-0.6283
Gm13	40342012	40342211 Gmdrm	hypo	CHG	-0.8138
Gm13	40342365	40342470 Gmdrm	hypo	CHG	-0.795
Gm13	40342654	40342735 Gmdrm	hypo	CHG	-0.8387
Gm13	40342875	40343001 Gmdrm	hypo	CHG	-0.8866
Gm13	40355987	40356192 Gmdrm	hypo	CHG	-0.0314
Gm13	40356897	40357029 Gmdrm	hypo	CHG	-0.2146
Gm13	40357414	40357906 Gmdrm	hypo	CHG	-0.6385
Gm13	40362111	40362350 Gmdrm	hypo	CHG	-0.0731
Gm13	40388733	40388827 Gmdrm	hypo	CHG	-0.3457
Gm13	40397846	40398172 Gmdrm	hypo	CHG	-0.8005
Gm13	40398592	40398652 Gmdrm	hypo	CHG	-0.668
Gm13	40400033	40400133 Gmdrm	hypo	CHG	-0.091
Gm13	40403311	40403818 Gmdrm	hypo	CHG	-0.0308
Gm13	40432436	40432598 Gmdrm	hypo	CHG	-0.6827
Gm13	40432823	40432901 Gmdrm	hypo	CHG	-0.0767
Gm13	40436364	40436542 Gmdrm	hypo	CHG	-0.3366
Gm13	40436674	40437054 Gmdrm	hypo	CHG	-0.5325
Gm13	40439654	40439849 Gmdrm	hypo	CHG	-0.0262
Gm13	40442924	40443125 Gmdrm	hypo	CHG	-0.2108
Gm13	40443939	40444070 Gmdrm	hypo	CHG	-0.4433
Gm13	40461851	40461896 Gmdrm	hypo	CHG	-0.0533
Gm13	40471911	40471974 Gmdrm	hypo	CHG	-0.028
Gm13	40479445	40479769 Gmdrm	hypo	CHG	-0.6215
Gm13	40479875	40479962 Gmdrm	hypo	CHG	-0.8383
Gm13	40480336	40480484 Gmdrm	hypo	CHG	-0.8375
Gm13	40480597	40480649 Gmdrm	hypo	CHG	-0.88
Gm13	40496943	40497361 Gmdrm	hypo	CHG	-0.1475
Gm13	40497694	40497799 Gmdrm	hypo	CHG	-0.71
Gm13	40517781	40517869 Gmdrm	hypo	CHG	-0.034
Gm13	40523794	40523893 Gmdrm	hypo	CHG	-0.765
Gm13	40524246	40524343 Gmdrm	hypo	CHG	-0.58
Gm13	40524478	40524596 Gmdrm	hypo	CHG	-0.884
Gm13	40525385	40525617 Gmdrm	hypo	CHG	-0.631

Gm13	40527449	40528040	Gmdrm	hypo	CHG	-0.5136
Gm13	40550150	40550567	Gmdrm	hypo	CHG	-0.3719
Gm13	40563884	40564091	Gmdrm	hypo	CHG	-0.474
Gm13	40564916	40565062	Gmdrm	hypo	CHG	-0.8167
Gm13	40570654	40571017	Gmdrm	hypo	CHG	-0.7839
Gm13	40598983	40599130	Gmdrm	hypo	CHG	-0.05
Gm13	40606207	40606330	Gmdrm	hypo	CHG	-0.0625
Gm13	40631787	40631927	Gmdrm	hypo	CHG	-0.0583
Gm13	40646592	40646857	Gmdrm	hypo	CHG	-0.4955
Gm13	40661282	40661469	Gmdrm	hypo	CHG	-0.5283
Gm13	40661578	40661621	Gmdrm	hypo	CHG	-0.615
Gm13	40661905	40662121	Gmdrm	hypo	CHG	-0.2018
Gm13	40668891	40668983	Gmdrm	hypo	CHG	-0.8637
Gm13	40671107	40671426	Gmdrm	hypo	CHG	-0.203
Gm13	40679367	40679897	Gmdrm	hypo	CHG	-0.8152
Gm13	40691001	40691204	Gmdrm	hypo	CHG	-0.4614
Gm13	40691475	40691591	Gmdrm	hypo	CHG	-0.7714
Gm13	40699589	40699663	Gmdrm	hypo	CHG	-0.0677
Gm13	40735370	40735473	Gmdrm	hypo	CHG	-0.7833
Gm13	40759936	40760077	Gmdrm	hypo	CHG	-0.7067
Gm13	40765503	40765682	Gmdrm	hypo	CHG	-0.75
Gm13	40766700	40766952	Gmdrm	hypo	CHG	-0.6825
Gm13	40781159	40781275	Gmdrm	hypo	CHG	-0.5964
Gm13	40781414	40781597	Gmdrm	hypo	CHG	-0.68
Gm13	40782481	40782612	Gmdrm	hypo	CHG	-0.058
Gm13	40796710	40796782	Gmdrm	hypo	CHG	-0.59
Gm13	40796959	40797066	Gmdrm	hypo	CHG	-0.76
Gm13	40797443	40797513	Gmdrm	hypo	CHG	-0.1611
Gm13	40804477	40804645	Gmdrm	hypo	CHG	-0.1214
Gm13	40804857	40804959	Gmdrm	hypo	CHG	-0.814
Gm13	40818810	40818841	Gmdrm	hypo	CHG	-0.2167
Gm13	40823678	40823927	Gmdrm	hypo	CHG	-0.0289
Gm13	40827375	40827580	Gmdrm	hypo	CHG	-0.0471
Gm13	40844753	40844800	Gmdrm	hypo	CHG	-0.885
Gm13	40857936	40858279	Gmdrm	hypo	CHG	-0.7923
Gm13	40858469	40859007	Gmdrm	hypo	CHG	-0.2311
Gm13	40859181	40859439	Gmdrm	hypo	CHG	-0.6033
Gm13	40865479	40865802	Gmdrm	hypo	CHG	-0.0564
Gm13	40870196	40870514	Gmdrm	hypo	CHG	-0.042
Gm13	40873522	40873693	Gmdrm	hypo	CHG	-0.7851
Gm13	40874152	40874362	Gmdrm	hypo	CHG	-0.7633
Gm13	40877533	40877678	Gmdrm	hypo	CHG	-0.052
Gm13	40896891	40897238	Gmdrm	hypo	CHG	-0.0462
Gm13	40917686	40917829	Gmdrm	hypo	CHG	-0.054
Gm13	40961331	40961842	Gmdrm	hypo	CHG	-0.7562
Gm13	40996898	40997039	Gmdrm	hypo	CHG	-0.5563

Gm13	40998356	40998420	Gmdrm	hypo	CHG	-0.0486
Gm13	41017177	41017395	Gmdrm	hypo	CHG	-0.077
Gm13	41040065	41040183	Gmdrm	hypo	CHG	-0.1015
Gm13	41040468	41040546	Gmdrm	hypo	CHG	-0.5825
Gm13	41047105	41047169	Gmdrm	hypo	CHG	-0.925
Gm13	41047275	41047419	Gmdrm	hypo	CHG	-0.9053
Gm13	41047736	41048146	Gmdrm	hypo	CHG	-0.5568
Gm13	41048253	41048328	Gmdrm	hypo	CHG	-0.6057
Gm13	41051773	41052231	Gmdrm	hypo	CHG	-0.2114
Gm13	41055406	41055761	Gmdrm	hypo	CHG	-0.5367
Gm13	41073551	41073653	Gmdrm	hypo	CHG	-0.7834
Gm13	41074078	41074210	Gmdrm	hypo	CHG	-0.2913
Gm13	41074472	41074529	Gmdrm	hypo	CHG	-0.7533
Gm13	41095965	41096060	Gmdrm	hypo	CHG	-0.7414
Gm13	41109490	41109598	Gmdrm	hypo	CHG	-0.505
Gm13	41112433	41113403	Gmdrm	hypo	CHG	-0.3252
Gm13	41113484	41113922	Gmdrm	hypo	CHG	-0.1307
Gm13	41122291	41122449	Gmdrm	hypo	CHG	-0.7116
Gm13	41129189	41129368	Gmdrm	hypo	CHG	-0.4089
Gm13	41145875	41145963	Gmdrm	hypo	CHG	-0.108
Gm13	41149245	41149622	Gmdrm	hypo	CHG	-0.5496
Gm13	41152478	41152507	Gmdrm	hypo	CHG	-0.1428
Gm13	41159055	41159193	Gmdrm	hypo	CHG	-0.6937
Gm13	41170229	41170353	Gmdrm	hypo	CHG	-0.0583
Gm13	41205406	41206067	Gmdrm	hypo	CHG	-0.2404
Gm13	41218670	41218818	Gmdrm	hypo	CHG	-0.71
Gm13	41218947	41219105	Gmdrm	hypo	CHG	-0.72
Gm13	41220316	41220445	Gmdrm	hypo	CHG	-0.64
Gm13	41236666	41236708	Gmdrm	hypo	CHG	-0.08
Gm13	41236927	41237255	Gmdrm	hypo	CHG	-0.425
Gm13	41245156	41245252	Gmdrm	hypo	CHG	-0.5289
Gm13	41245819	41245901	Gmdrm	hypo	CHG	-0.7575
Gm13	41246047	41246173	Gmdrm	hypo	CHG	-0.5246
Gm13	41246299	41246443	Gmdrm	hypo	CHG	-0.2988
Gm13	41246593	41246922	Gmdrm	hypo	CHG	-0.2224
Gm13	41247158	41247514	Gmdrm	hypo	CHG	-0.3306
Gm13	41273631	41273959	Gmdrm	hypo	CHG	-0.445
Gm13	41274094	41274756	Gmdrm	hypo	CHG	-0.6772
Gm13	41292512	41293058	Gmdrm	hypo	CHG	-0.0275
Gm13	41297278	41297967	Gmdrm	hypo	CHG	-0.1116
Gm13	41322592	41322869	Gmdrm	hypo	CHG	-0.7466
Gm13	41342317	41342601	Gmdrm	hypo	CHG	-0.0457
Gm13	41342786	41343212	Gmdrm	hypo	CHG	-0.8013
Gm13	41343420	41343658	Gmdrm	hypo	CHG	-0.3199
Gm13	41380199	41380600	Gmdrm	hypo	CHG	-0.0411
Gm13	41381478	41381728	Gmdrm	hypo	CHG	-0.04

Gm13	41388213	41388485	Gmdrm	hypo	CHG	-0.2325
Gm13	41392397	41392679	Gmdrm	hypo	CHG	-0.6975
Gm13	41413881	41413920	Gmdrm	hypo	CHG	-0.63
Gm13	41414771	41414902	Gmdrm	hypo	CHG	-0.8629
Gm13	41446505	41446609	Gmdrm	hypo	CHG	-0.1486
Gm13	41451240	41451331	Gmdrm	hypo	CHG	-0.05
Gm13	41459221	41459447	Gmdrm	hypo	CHG	-0.6289
Gm13	41470635	41470745	Gmdrm	hypo	CHG	-0.624
Gm13	41471067	41471379	Gmdrm	hypo	CHG	-0.4173
Gm13	41471491	41471965	Gmdrm	hypo	CHG	-0.5564
Gm13	41474886	41474917	Gmdrm	hypo	CHG	-0.85
Gm13	41475090	41475255	Gmdrm	hypo	CHG	-0.8683
Gm13	41502807	41502972	Gmdrm	hypo	CHG	-0.6743
Gm13	41504948	41505207	Gmdrm	hypo	CHG	-0.6412
Gm13	41505733	41505885	Gmdrm	hypo	CHG	-0.565
Gm13	41506626	41506749	Gmdrm	hypo	CHG	-0.6623
Gm13	41507042	41507131	Gmdrm	hypo	CHG	-0.71
Gm13	41511989	41512100	Gmdrm	hypo	CHG	-0.12
Gm13	41526413	41526626	Gmdrm	hypo	CHG	-0.0286
Gm13	41529442	41529834	Gmdrm	hypo	CHG	-0.0316
Gm13	41541055	41541509	Gmdrm	hypo	CHG	-0.6577
Gm13	41608467	41608560	Gmdrm	hypo	CHG	-0.0429
Gm13	41641773	41641941	Gmdrm	hypo	CHG	-0.7344
Gm13	41655009	41655282	Gmdrm	hypo	CHG	-0.616
Gm13	41657804	41657891	Gmdrm	hypo	CHG	-0.88
Gm13	41679050	41679183	Gmdrm	hypo	CHG	-0.3114
Gm13	41718436	41718804	Gmdrm	hypo	CHG	-0.6608
Gm13	41719225	41719324	Gmdrm	hypo	CHG	-0.567
Gm13	41719721	41720133	Gmdrm	hypo	CHG	-0.8048
Gm13	41726187	41726342	Gmdrm	hypo	CHG	-0.4362
Gm13	41726555	41726714	Gmdrm	hypo	CHG	-0.5164
Gm13	41733692	41733825	Gmdrm	hypo	CHG	-0.668
Gm13	41742896	41743255	Gmdrm	hypo	CHG	-0.0438
Gm13	41745998	41746250	Gmdrm	hypo	CHG	-0.0367
Gm13	41747609	41747797	Gmdrm	hypo	CHG	-0.0372
Gm13	41784915	41785304	Gmdrm	hypo	CHG	-0.6685
Gm13	41808209	41808328	Gmdrm	hypo	CHG	-0.6341
Gm13	41810511	41810638	Gmdrm	hypo	CHG	-0.0614
Gm13	41812574	41812748	Gmdrm	hypo	CHG	-0.0333
Gm13	41853380	41853564	Gmdrm	hypo	CHG	-0.937
Gm13	41853833	41853867	Gmdrm	hypo	CHG	-0.7367
Gm13	41854253	41854299	Gmdrm	hypo	CHG	-0.82
Gm13	41854518	41854883	Gmdrm	hypo	CHG	-0.6988
Gm13	41880912	41881337	Gmdrm	hypo	CHG	-0.2316
Gm13	41916381	41916457	Gmdrm	hypo	CHG	-0.686
Gm13	41916736	41916775	Gmdrm	hypo	CHG	-0.1575

Gm13	41919742	41919863	Gmdrm	hypo	CHG	-0.819
Gm13	41925448	41925651	Gmdrm	hypo	CHG	-0.232
Gm13	41927518	41927802	Gmdrm	hypo	CHG	-0.5243
Gm13	41933342	41933579	Gmdrm	hypo	CHG	-0.055
Gm13	41941123	41941276	Gmdrm	hypo	CHG	-0.7317
Gm13	41941943	41942127	Gmdrm	hypo	CHG	-0.5706
Gm13	41954504	41954537	Gmdrm	hypo	CHG	-0.622
Gm13	41956604	41956739	Gmdrm	hypo	CHG	-0.6875
Gm13	41960969	41961350	Gmdrm	hypo	CHG	-0.34
Gm13	41977028	41977159	Gmdrm	hypo	CHG	-0.77
Gm13	41977452	41977506	Gmdrm	hypo	CHG	-0.808
Gm13	41977628	41977706	Gmdrm	hypo	CHG	-0.8063
Gm13	41994453	41994637	Gmdrm	hypo	CHG	-0.6627
Gm13	42014530	42014587	Gmdrm	hypo	CHG	-0.53
Gm13	42024499	42024807	Gmdrm	hypo	CHG	-0.6613
Gm13	42025432	42025603	Gmdrm	hypo	CHG	-0.5338
Gm13	42038580	42038812	Gmdrm	hypo	CHG	-0.046
Gm13	42064470	42064936	Gmdrm	hypo	CHG	-0.6253
Gm13	42071274	42071355	Gmdrm	hypo	CHG	-0.7167
Gm13	42072028	42072127	Gmdrm	hypo	CHG	-0.6933
Gm13	42118745	42119043	Gmdrm	hypo	CHG	-0.0255
Gm13	42126733	42127031	Gmdrm	hypo	CHG	-0.0825
Gm13	42132943	42133096	Gmdrm	hypo	CHG	-0.236
Gm13	42133222	42133718	Gmdrm	hypo	CHG	-0.366
Gm13	42143292	42143462	Gmdrm	hypo	CHG	-0.5686
Gm13	42148763	42148904	Gmdrm	hypo	CHG	-0.77
Gm13	42153067	42153320	Gmdrm	hypo	CHG	-0.069
Gm13	42154783	42154898	Gmdrm	hypo	CHG	-0.5434
Gm13	42160658	42160868	Gmdrm	hypo	CHG	-0.0383
Gm13	42161149	42161518	Gmdrm	hypo	CHG	-0.7765
Gm13	42162389	42162525	Gmdrm	hypo	CHG	-0.955
Gm13	42164785	42164905	Gmdrm	hypo	CHG	-0.098
Gm13	42171992	42172350	Gmdrm	hypo	CHG	-0.456
Gm13	42172532	42172836	Gmdrm	hypo	CHG	-0.6712
Gm13	42186667	42186995	Gmdrm	hypo	CHG	-0.5109
Gm13	42194908	42194988	Gmdrm	hypo	CHG	-0.736
Gm13	42200189	42200541	Gmdrm	hypo	CHG	-0.6285
Gm13	42215957	42216262	Gmdrm	hypo	CHG	-0.04
Gm13	42236130	42236372	Gmdrm	hypo	CHG	-0.0544
Gm13	42246247	42246685	Gmdrm	hypo	CHG	-0.1706
Gm13	42246974	42247110	Gmdrm	hypo	CHG	-0.1387
Gm13	42250909	42251027	Gmdrm	hypo	CHG	-0.15
Gm13	42255441	42256157	Gmdrm	hypo	CHG	-0.6164
Gm13	42259306	42259390	Gmdrm	hypo	CHG	-0.1533
Gm13	42306635	42306704	Gmdrm	hypo	CHG	-0.67
Gm13	42319022	42319319	Gmdrm	hypo	CHG	-0.7688

Gm13	42320470	42320537	Gmdrm	hypo	CHG	-0.8889
Gm13	42350861	42350929	Gmdrm	hypo	CHG	-0.77
Gm13	42356294	42356580	Gmdrm	hypo	CHG	-0.0301
Gm13	42365122	42365302	Gmdrm	hypo	CHG	-0.0573
Gm13	42377132	42377506	Gmdrm	hypo	CHG	-0.662
Gm13	42384159	42384323	Gmdrm	hypo	CHG	-0.412
Gm13	42400035	42400224	Gmdrm	hypo	CHG	-0.9283
Gm13	42400364	42400463	Gmdrm	hypo	CHG	-0.81
Gm13	42400573	42400637	Gmdrm	hypo	CHG	-0.9
Gm13	42408922	42409022	Gmdrm	hypo	CHG	-0.7383
Gm13	42409199	42409312	Gmdrm	hypo	CHG	-0.965
Gm13	42413351	42413458	Gmdrm	hypo	CHG	-0.9258
Gm13	42427291	42427565	Gmdrm	hypo	CHG	-0.0487
Gm13	42435589	42435851	Gmdrm	hypo	CHG	-0.03
Gm13	42438693	42438749	Gmdrm	hypo	CHG	-0.718
Gm13	42439502	42440221	Gmdrm	hypo	CHG	-0.4959
Gm13	42457009	42457131	Gmdrm	hypo	CHG	-0.44
Gm13	42465980	42466113	Gmdrm	hypo	CHG	-0.034
Gm13	42467582	42467684	Gmdrm	hypo	CHG	-0.7672
Gm13	42473125	42473340	Gmdrm	hypo	CHG	-0.8577
Gm13	42497773	42497887	Gmdrm	hypo	CHG	-0.0887
Gm13	42508858	42509100	Gmdrm	hypo	CHG	-0.1458
Gm13	42511431	42511515	Gmdrm	hypo	CHG	-0.1133
Gm13	42530042	42530261	Gmdrm	hypo	CHG	-0.3745
Gm13	42551344	42551503	Gmdrm	hypo	CHG	-0.6734
Gm13	42552489	42552617	Gmdrm	hypo	CHG	-0.1633
Gm13	42582575	42582822	Gmdrm	hypo	CHG	-0.044
Gm13	42585758	42585951	Gmdrm	hypo	CHG	-0.0383
Gm13	42593195	42593801	Gmdrm	hypo	CHG	-0.5645
Gm13	42594534	42594786	Gmdrm	hypo	CHG	-0.22
Gm13	42599826	42600100	Gmdrm	hypo	CHG	-0.1861
Gm13	42600470	42600647	Gmdrm	hypo	CHG	-0.055
Gm13	42631655	42632163	Gmdrm	hypo	CHG	-0.6589
Gm13	42636260	42636336	Gmdrm	hypo	CHG	-0.034
Gm13	42649949	42650058	Gmdrm	hypo	CHG	-0.0583
Gm13	42651874	42651926	Gmdrm	hypo	CHG	-0.3055
Gm13	42653583	42653892	Gmdrm	hypo	CHG	-0.0392
Gm13	42673949	42674422	Gmdrm	hypo	CHG	-0.6575
Gm13	42699645	42699820	Gmdrm	hypo	CHG	-0.04
Gm13	42722506	42722541	Gmdrm	hypo	CHG	-0.318
Gm13	42734176	42734431	Gmdrm	hypo	CHG	-0.0467
Gm13	42738983	42739087	Gmdrm	hypo	CHG	-0.195
Gm13	42739475	42739596	Gmdrm	hypo	CHG	-0.45
Gm13	42789872	42790026	Gmdrm	hypo	CHG	-0.632
Gm13	42794922	42795254	Gmdrm	hypo	CHG	-0.285
Gm13	42799990	42800228	Gmdrm	hypo	CHG	-0.723

Gm13	42800393	42800846	Gmdrm	hypo	CHG	-0.3764
Gm13	42801364	42801449	Gmdrm	hypo	CHG	-0.1288
Gm13	42801808	42802374	Gmdrm	hypo	CHG	-0.118
Gm13	42802483	42802947	Gmdrm	hypo	CHG	-0.3831
Gm13	42803110	42803458	Gmdrm	hypo	CHG	-0.7579
Gm13	42819467	42819709	Gmdrm	hypo	CHG	-0.8681
Gm13	42820763	42820861	Gmdrm	hypo	CHG	-0.7985
Gm13	42837454	42837660	Gmdrm	hypo	CHG	-0.2814
Gm13	42843446	42843479	Gmdrm	hypo	CHG	-0.7133
Gm13	42843606	42843848	Gmdrm	hypo	CHG	-0.8009
Gm13	42844695	42844899	Gmdrm	hypo	CHG	-0.5589
Gm13	42857296	42857366	Gmdrm	hypo	CHG	-0.036
Gm13	42861112	42861216	Gmdrm	hypo	CHG	-0.052
Gm13	42866749	42866840	Gmdrm	hypo	CHG	-0.7491
Gm13	42867172	42867460	Gmdrm	hypo	CHG	-0.4978
Gm13	42869505	42869558	Gmdrm	hypo	CHG	-0.05
Gm13	42875693	42875801	Gmdrm	hypo	CHG	-0.036
Gm13	42895373	42895485	Gmdrm	hypo	CHG	-0.648
Gm13	42950274	42950607	Gmdrm	hypo	CHG	-0.7793
Gm13	42967166	42967354	Gmdrm	hypo	CHG	-0.8314
Gm13	42992349	42992494	Gmdrm	hypo	CHG	-0.1633
Gm13	43010633	43010835	Gmdrm	hypo	CHG	-0.0414
Gm13	43018371	43018423	Gmdrm	hypo	CHG	-0.74
Gm13	43020713	43020792	Gmdrm	hypo	CHG	-0.384
Gm13	43031300	43031379	Gmdrm	hypo	CHG	-0.0833
Gm13	43031624	43031704	Gmdrm	hypo	CHG	-0.865
Gm13	43032182	43032330	Gmdrm	hypo	CHG	-0.738
Gm13	43079188	43079571	Gmdrm	hypo	CHG	-0.4577
Gm13	43094411	43094643	Gmdrm	hypo	CHG	-0.0263
Gm13	43095162	43095417	Gmdrm	hypo	CHG	-0.047
Gm13	43095737	43095885	Gmdrm	hypo	CHG	-0.244
Gm13	43096024	43096126	Gmdrm	hypo	CHG	-0.6066
Gm13	43117014	43117159	Gmdrm	hypo	CHG	-0.726
Gm13	43132851	43133408	Gmdrm	hypo	CHG	-0.4285
Gm13	43147389	43147622	Gmdrm	hypo	CHG	-0.642
Gm13	43152650	43152787	Gmdrm	hypo	CHG	-0.3275
Gm13	43156262	43156440	Gmdrm	hypo	CHG	-0.8486
Gm13	43156553	43156653	Gmdrm	hypo	CHG	-0.6967
Gm13	43157132	43157217	Gmdrm	hypo	CHG	-0.5338
Gm13	43157400	43157581	Gmdrm	hypo	CHG	-0.59
Gm13	43165592	43165842	Gmdrm	hypo	CHG	-0.2209
Gm13	43174928	43175233	Gmdrm	hypo	CHG	-0.067
Gm13	43177483	43177550	Gmdrm	hypo	CHG	-0.0386
Gm13	43200942	43201202	Gmdrm	hypo	CHG	-0.6245
Gm13	43201360	43201781	Gmdrm	hypo	CHG	-0.6846
Gm13	43202658	43202869	Gmdrm	hypo	CHG	-0.7111

Gm13	43244756	43244793	Gmdrm	hypo	CHG	-0.0967
Gm13	43253018	43253512	Gmdrm	hypo	CHG	-0.731
Gm13	43253616	43253693	Gmdrm	hypo	CHG	-0.5756
Gm13	43253929	43254188	Gmdrm	hypo	CHG	-0.6412
Gm13	43282417	43282582	Gmdrm	hypo	CHG	-0.9335
Gm13	43282846	43283009	Gmdrm	hypo	CHG	-0.8433
Gm13	43283295	43283623	Gmdrm	hypo	CHG	-0.7433
Gm13	43311095	43311318	Gmdrm	hypo	CHG	-0.3769
Gm13	43314452	43314825	Gmdrm	hypo	CHG	-0.0355
Gm13	43323032	43323247	Gmdrm	hypo	CHG	-0.151
Gm13	43348366	43348498	Gmdrm	hypo	CHG	-0.6687
Gm13	43365005	43365112	Gmdrm	hypo	CHG	-0.036
Gm13	43378610	43378845	Gmdrm	hypo	CHG	-0.05
Gm13	43380195	43380393	Gmdrm	hypo	CHG	-0.072
Gm13	43396474	43396665	Gmdrm	hypo	CHG	-0.8476
Gm13	43397603	43397822	Gmdrm	hypo	CHG	-0.6547
Gm13	43397949	43398011	Gmdrm	hypo	CHG	-0.034
Gm13	43418329	43418366	Gmdrm	hypo	CHG	-0.73
Gm13	43428263	43428281	Gmdrm	hypo	CHG	-0.728
Gm13	43433956	43434214	Gmdrm	hypo	CHG	-0.552
Gm13	43451379	43451497	Gmdrm	hypo	CHG	-0.042
Gm13	43454268	43454375	Gmdrm	hypo	CHG	-0.062
Gm13	43461087	43461179	Gmdrm	hypo	CHG	-0.125
Gm13	43461348	43461682	Gmdrm	hypo	CHG	-0.5929
Gm13	43476173	43476355	Gmdrm	hypo	CHG	-0.0483
Gm13	43505914	43506364	Gmdrm	hypo	CHG	-0.761
Gm13	43511566	43511582	Gmdrm	hypo	CHG	-0.685
Gm13	43511791	43511976	Gmdrm	hypo	CHG	-0.78
Gm13	43531449	43531817	Gmdrm	hypo	CHG	-0.0607
Gm13	43566590	43566876	Gmdrm	hypo	CHG	-0.0609
Gm13	43567110	43567274	Gmdrm	hypo	CHG	-0.04
Gm13	43581198	43581293	Gmdrm	hypo	CHG	-0.072
Gm13	43588043	43588401	Gmdrm	hypo	CHG	-0.0837
Gm13	43588557	43588799	Gmdrm	hypo	CHG	-0.1478
Gm13	43590326	43590704	Gmdrm	hypo	CHG	-0.0523
Gm13	43593494	43593609	Gmdrm	hypo	CHG	-0.0629
Gm13	43595200	43595467	Gmdrm	hypo	CHG	-0.0921
Gm13	43601266	43601462	Gmdrm	hypo	CHG	-0.034
Gm13	43613909	43614027	Gmdrm	hypo	CHG	-0.68
Gm13	43614263	43614340	Gmdrm	hypo	CHG	-0.27
Gm13	43614466	43614582	Gmdrm	hypo	CHG	-0.478
Gm13	43614758	43614844	Gmdrm	hypo	CHG	-0.495
Gm13	43616573	43616894	Gmdrm	hypo	CHG	-0.357
Gm13	43619152	43619654	Gmdrm	hypo	CHG	-0.2139
Gm13	43620572	43621161	Gmdrm	hypo	CHG	-0.6041
Gm13	43641991	43642587	Gmdrm	hypo	CHG	-0.0322

Gm13	43648793	43648983	Gmdrm	hypo	CHG	-0.5467
Gm13	43649106	43649517	Gmdrm	hypo	CHG	-0.2171
Gm13	43650934	43651069	Gmdrm	hypo	CHG	-0.0317
Gm13	43651423	43651801	Gmdrm	hypo	CHG	-0.9487
Gm13	43652032	43652206	Gmdrm	hypo	CHG	-0.7924
Gm13	43653501	43653819	Gmdrm	hypo	CHG	-0.874
Gm13	43654461	43654519	Gmdrm	hypo	CHG	-0.7217
Gm13	43654910	43655041	Gmdrm	hypo	CHG	-0.8415
Gm13	43655160	43655211	Gmdrm	hypo	CHG	-0.8483
Gm13	43655596	43655764	Gmdrm	hypo	CHG	-0.8192
Gm13	43656046	43656128	Gmdrm	hypo	CHG	-0.042
Gm13	43667164	43667229	Gmdrm	hypo	CHG	-0.0433
Gm13	43682957	43683099	Gmdrm	hypo	CHG	-0.725
Gm13	43683210	43683318	Gmdrm	hypo	CHG	-0.824
Gm13	43683453	43683745	Gmdrm	hypo	CHG	-0.65
Gm13	43713278	43713403	Gmdrm	hypo	CHG	-0.04
Gm13	43718686	43718698	Gmdrm	hypo	CHG	-0.114
Gm13	43726227	43726340	Gmdrm	hypo	CHG	-0.696
Gm13	43741265	43741422	Gmdrm	hypo	CHG	-0.4562
Gm13	43763481	43764112	Gmdrm	hypo	CHG	-0.2969
Gm13	43776834	43777122	Gmdrm	hypo	CHG	-0.2854
Gm13	43784906	43784975	Gmdrm	hypo	CHG	-0.082
Gm13	43785371	43785460	Gmdrm	hypo	CHG	-0.358
Gm13	43786179	43786283	Gmdrm	hypo	CHG	-0.8325
Gm13	43794757	43794865	Gmdrm	hypo	CHG	-0.094
Gm13	43809011	43809233	Gmdrm	hypo	CHG	-0.7183
Gm13	43905254	43905465	Gmdrm	hypo	CHG	-0.77
Gm13	43932747	43932864	Gmdrm	hypo	CHG	-0.778
Gm13	43933001	43933224	Gmdrm	hypo	CHG	-0.8384
Gm13	43933339	43933437	Gmdrm	hypo	CHG	-0.864
Gm13	43933764	43934137	Gmdrm	hypo	CHG	-0.81
Gm13	43936212	43936259	Gmdrm	hypo	CHG	-0.084
Gm13	43936497	43936562	Gmdrm	hypo	CHG	-0.544
Gm13	43936677	43936826	Gmdrm	hypo	CHG	-0.688
Gm13	43938430	43938756	Gmdrm	hypo	CHG	-0.044
Gm13	43956185	43956399	Gmdrm	hypo	CHG	-0.0463
Gm13	43960708	43961025	Gmdrm	hypo	CHG	-0.4048
Gm13	43972980	43973014	Gmdrm	hypo	CHG	-0.84
Gm13	43973245	43973404	Gmdrm	hypo	CHG	-0.6211
Gm13	43974656	43975161	Gmdrm	hypo	CHG	-0.4675
Gm13	43977327	43977568	Gmdrm	hypo	CHG	-0.04
Gm13	43982837	43982878	Gmdrm	hypo	CHG	-0.782
Gm13	43982995	43983062	Gmdrm	hypo	CHG	-0.7333
Gm13	43993736	43993950	Gmdrm	hypo	CHG	-0.0329
Gm13	44003875	44004570	Gmdrm	hypo	CHG	-0.2456
Gm13	44007546	44007679	Gmdrm	hypo	CHG	-0.5958

Gm13	44038159	44038367	Gmdrm	hypo	CHG	-0.562
Gm13	44039248	44039662	Gmdrm	hypo	CHG	-0.04
Gm13	44045582	44045828	Gmdrm	hypo	CHG	-0.8009
Gm13	44049295	44049362	Gmdrm	hypo	CHG	-0.168
Gm13	44055205	44055425	Gmdrm	hypo	CHG	-0.5333
Gm13	44060255	44060332	Gmdrm	hypo	CHG	-0.5
Gm13	44069293	44069382	Gmdrm	hypo	CHG	-0.8183
Gm13	44070158	44070220	Gmdrm	hypo	CHG	-0.4216
Gm13	44093754	44093909	Gmdrm	hypo	CHG	-0.6275
Gm13	44112753	44112853	Gmdrm	hypo	CHG	-0.3133
Gm13	44125506	44125681	Gmdrm	hypo	CHG	-0.31
Gm13	44125810	44126174	Gmdrm	hypo	CHG	-0.3519
Gm13	44126440	44126659	Gmdrm	hypo	CHG	-0.7908
Gm13	44170165	44170328	Gmdrm	hypo	CHG	-0.048
Gm13	44180261	44180498	Gmdrm	hypo	CHG	-0.056
Gm13	44183141	44183404	Gmdrm	hypo	CHG	-0.7125
Gm13	44183515	44183841	Gmdrm	hypo	CHG	-0.5221
Gm13	44201002	44201075	Gmdrm	hypo	CHG	-0.7017
Gm13	44233457	44233773	Gmdrm	hypo	CHG	-0.621
Gm13	44234427	44234463	Gmdrm	hypo	CHG	-0.5917
Gm13	44239971	44240194	Gmdrm	hypo	CHG	-0.036
Gm13	44268592	44268640	Gmdrm	hypo	CHG	-0.212
Gm13	44270441	44270488	Gmdrm	hypo	CHG	-0.2817
Gm13	44290084	44290281	Gmdrm	hypo	CHG	-0.265
Gm13	44290927	44291127	Gmdrm	hypo	CHG	-0.879
Gm13	44297129	44297196	Gmdrm	hypo	CHG	-0.0517
Gm13	44304414	44304616	Gmdrm	hypo	CHG	-0.4167
Gm13	44304758	44304946	Gmdrm	hypo	CHG	-0.5986
Gm13	44305068	44305201	Gmdrm	hypo	CHG	-0.542
Gm13	44308392	44308462	Gmdrm	hypo	CHG	-0.4967
Gm13	44324425	44324545	Gmdrm	hypo	CHG	-0.6086
Gm13	44355346	44355438	Gmdrm	hypo	CHG	-0.3417
Gm13	44364245	44364384	Gmdrm	hypo	CHG	-0.5375
Gm13	44364825	44364990	Gmdrm	hypo	CHG	-0.4443
Gm13	44383539	44384086	Gmdrm	hypo	CHG	-0.3192
Gm13	44384230	44384318	Gmdrm	hypo	CHG	-0.92
Gm13	44385387	44385534	Gmdrm	hypo	CHG	-0.6413
Gm13	44386503	44386630	Gmdrm	hypo	CHG	-0.4883
Gm13	44393548	44393638	Gmdrm	hypo	CHG	-0.2062
Gm13	44405232	44405419	Gmdrm	hypo	CHG	-0.048
Gm13	44417564	44417615	Gmdrm	hypo	CHG	-0.8329
Gm13	44429225	44429389	Gmdrm	hypo	CHG	-0.0333
Gm13	44440044	44440210	Gmdrm	hypo	CHG	-0.3264
Gm13	44452251	44452491	Gmdrm	hypo	CHG	-0.4319
Gm13	44461320	44461592	Gmdrm	hypo	CHG	-0.0569
Gm13	44472457	44472559	Gmdrm	hypo	CHG	-0.4133

Gm13	44472674	44472813	Gmdrm	hypo	CHG	-0.75
Gm13	44473760	44473822	Gmdrm	hypo	CHG	-0.5758
Gm13	44482404	44482641	Gmdrm	hypo	CHG	-0.04
Gm13	44492960	44493225	Gmdrm	hypo	CHG	-0.045
Gm13	44498748	44499140	Gmdrm	hypo	CHG	-0.6022
Gm13	44499260	44499276	Gmdrm	hypo	CHG	-0.5817
Gm13	44499577	44499672	Gmdrm	hypo	CHG	-0.4851
Gm13	44507192	44507294	Gmdrm	hypo	CHG	-0.1475
Gm13	44515734	44516063	Gmdrm	hypo	CHG	-0.6077
Gm13	44521747	44521897	Gmdrm	hypo	CHG	-0.1847
Gm13	44522045	44522578	Gmdrm	hypo	CHG	-0.2115
Gm13	44526254	44526643	Gmdrm	hypo	CHG	-0.0333
Gm13	44540412	44540456	Gmdrm	hypo	CHG	-0.87
Gm13	44540560	44540845	Gmdrm	hypo	CHG	-0.8209
Gm13	44546318	44546395	Gmdrm	hypo	CHG	-0.562
Gm13	44565521	44565963	Gmdrm	hypo	CHG	-0.0469
Gm13	44611849	44612522	Gmdrm	hypo	CHG	-0.712
Gm13	44614541	44614708	Gmdrm	hypo	CHG	-0.68
Gm13	44617245	44618105	Gmdrm	hypo	CHG	-0.149
Gm13	44620485	44620612	Gmdrm	hypo	CHG	-0.5263
Gm13	44651094	44651241	Gmdrm	hypo	CHG	-0.092
Gm13	44654700	44654896	Gmdrm	hypo	CHG	-0.893
Gm13	44656042	44656192	Gmdrm	hypo	CHG	-0.91
Gm13	44667346	44667519	Gmdrm	hypo	CHG	-0.6337
Gm13	44670567	44670658	Gmdrm	hypo	CHG	-0.0286
Gm13	44683495	44683694	Gmdrm	hypo	CHG	-0.1159
Gm13	44684901	44685043	Gmdrm	hypo	CHG	-0.04
Gm13	44686291	44686306	Gmdrm	hypo	CHG	-0.09
Gm13	44686564	44686806	Gmdrm	hypo	CHG	-0.0577
Gm13	44687550	44687860	Gmdrm	hypo	CHG	-0.026
Gm13	44692148	44692194	Gmdrm	hypo	CHG	-0.8529
Gm13	44693055	44693496	Gmdrm	hypo	CHG	-0.4886
Gm13	44694179	44694390	Gmdrm	hypo	CHG	-0.763
Gm13	44699645	44699785	Gmdrm	hypo	CHG	-0.068
Gm13	44707314	44707457	Gmdrm	hypo	CHG	-0.8072
Gm13	44710989	44711097	Gmdrm	hypo	CHG	-0.664
Gm13	44711382	44711498	Gmdrm	hypo	CHG	-0.7275
Gm13	44711967	44712182	Gmdrm	hypo	CHG	-0.7017
Gm13	44713880	44713966	Gmdrm	hypo	CHG	-0.8462
Gm13	44714193	44714614	Gmdrm	hypo	CHG	-0.6809
Gm13	44715093	44715350	Gmdrm	hypo	CHG	-0.6253
Gm13	44715455	44715751	Gmdrm	hypo	CHG	-0.4229
Gm13	44717006	44717211	Gmdrm	hypo	CHG	-0.07
Gm13	44718639	44718962	Gmdrm	hypo	CHG	-0.1
Gm13	44730549	44730885	Gmdrm	hypo	CHG	-0.5048
Gm13	44733071	44733623	Gmdrm	hypo	CHG	-0.8372

Gm13	44734484	44734587	Gmdrm	hypo	CHG	-0.2667
Gm13	44735237	44735455	Gmdrm	hypo	CHG	-0.3286
Gm13	44751433	44751593	Gmdrm	hypo	CHG	-0.775
Gm13	44754374	44754778	Gmdrm	hypo	CHG	-0.433
Gm13	44755103	44755335	Gmdrm	hypo	CHG	-0.0345
Gm13	44780798	44780924	Gmdrm	hypo	CHG	-0.5377
Gm13	44781035	44781731	Gmdrm	hypo	CHG	-0.189
Gm13	44781851	44781931	Gmdrm	hypo	CHG	-0.426
Gm13	44793592	44793810	Gmdrm	hypo	CHG	-0.6984
Gm13	44795859	44796194	Gmdrm	hypo	CHG	-0.6983
Gm13	44796316	44796460	Gmdrm	hypo	CHG	-0.8414
Gm13	44808706	44808848	Gmdrm	hypo	CHG	-0.4225
Gm13	44824407	44824596	Gmdrm	hypo	CHG	-0.035
Gm13	44838795	44839182	Gmdrm	hypo	CHG	-0.6109
Gm13	44839307	44839578	Gmdrm	hypo	CHG	-0.392
Gm13	44854003	44854105	Gmdrm	hypo	CHG	-0.275
Gm13	44858986	44859043	Gmdrm	hypo	CHG	-0.395
Gm13	44860590	44860713	Gmdrm	hypo	CHG	-0.0584
Gm13	44870074	44870214	Gmdrm	hypo	CHG	-0.3555
Gm13	44899895	44899983	Gmdrm	hypo	CHG	-0.5783
Gm13	44908356	44908609	Gmdrm	hypo	CHG	-0.3155
Gm13	44925245	44925471	Gmdrm	hypo	CHG	-0.0367
Gm13	44944446	44944681	Gmdrm	hypo	CHG	-0.2972
Gm13	44948370	44948910	Gmdrm	hypo	CHG	-0.4487
Gm13	45009638	45009680	Gmdrm	hypo	CHG	-0.806
Gm13	45026726	45026815	Gmdrm	hypo	CHG	-0.062
Gm13	45047190	45047464	Gmdrm	hypo	CHG	-0.4272
Gm13	45048099	45048406	Gmdrm	hypo	CHG	-0.0986
Gm13	45048826	45048951	Gmdrm	hypo	CHG	-0.491
Gm13	45057013	45057262	Gmdrm	hypo	CHG	-0.8808
Gm13	45071105	45071289	Gmdrm	hypo	CHG	-0.3967
Gm13	45073643	45073786	Gmdrm	hypo	CHG	-0.4613
Gm13	45078762	45078865	Gmdrm	hypo	CHG	-0.1382
Gm13	45084735	45084844	Gmdrm	hypo	CHG	-0.4484
Gm13	45087402	45087703	Gmdrm	hypo	CHG	-0.7741
Gm13	45087989	45088018	Gmdrm	hypo	CHG	-0.675
Gm13	45088412	45088500	Gmdrm	hypo	CHG	-0.26
Gm13	45088668	45088960	Gmdrm	hypo	CHG	-0.8321
Gm13	45089133	45089226	Gmdrm	hypo	CHG	-0.072
Gm13	45122904	45123054	Gmdrm	hypo	CHG	-0.086
Gm13	45126282	45126582	Gmdrm	hypo	CHG	-0.1187
Gm13	45129659	45129739	Gmdrm	hypo	CHG	-0.385
Gm13	45132677	45132818	Gmdrm	hypo	CHG	-0.3275
Gm13	45133374	45133513	Gmdrm	hypo	CHG	-0.3564
Gm13	45134519	45134577	Gmdrm	hypo	CHG	-0.104
Gm13	45149930	45150085	Gmdrm	hypo	CHG	-0.0317

Gm13	45171211	45171315	Gmdrm	hypo	CHG	-0.4572
Gm13_scaffo	29504	29700	Gmdrm	hypo	CHG	-0.2854
Gm13_scaffo	703844	704167	Gmdrm	hypo	CHG	-0.06
Gm14	3464	3494	Gmdrm	hypo	CHG	-0.6717
Gm14	7237	7383	Gmdrm	hypo	CHG	-0.475
Gm14	10549	10696	Gmdrm	hypo	CHG	-0.0544
Gm14	21769	21803	Gmdrm	hypo	CHG	-0.075
Gm14	30278	30404	Gmdrm	hypo	CHG	-0.038
Gm14	67074	67520	Gmdrm	hypo	CHG	-0.0754
Gm14	100922	101111	Gmdrm	hypo	CHG	-0.694
Gm14	154227	154392	Gmdrm	hypo	CHG	-0.062
Gm14	178177	178655	Gmdrm	hypo	CHG	-0.0767
Gm14	180649	180925	Gmdrm	hypo	CHG	-0.4083
Gm14	181040	181203	Gmdrm	hypo	CHG	-0.3867
Gm14	181798	182231	Gmdrm	hypo	CHG	-0.1995
Gm14	188909	189041	Gmdrm	hypo	CHG	-0.2817
Gm14	189186	189343	Gmdrm	hypo	CHG	-0.3
Gm14	194442	194572	Gmdrm	hypo	CHG	-0.1483
Gm14	194773	194917	Gmdrm	hypo	CHG	-0.045
Gm14	197326	197566	Gmdrm	hypo	CHG	-0.0411
Gm14	199516	199829	Gmdrm	hypo	CHG	-0.1747
Gm14	209114	209337	Gmdrm	hypo	CHG	-0.6175
Gm14	217019	217168	Gmdrm	hypo	CHG	-0.024
Gm14	218396	218567	Gmdrm	hypo	CHG	-0.5133
Gm14	230677	230732	Gmdrm	hypo	CHG	-0.2717
Gm14	234818	234906	Gmdrm	hypo	CHG	-0.61
Gm14	235030	235104	Gmdrm	hypo	CHG	-0.7488
Gm14	235218	235369	Gmdrm	hypo	CHG	-0.8915
Gm14	246393	246534	Gmdrm	hypo	CHG	-0.56
Gm14	270334	270590	Gmdrm	hypo	CHG	-0.8432
Gm14	270906	271038	Gmdrm	hypo	CHG	-0.6971
Gm14	271276	271283	Gmdrm	hypo	CHG	-0.306
Gm14	271725	271940	Gmdrm	hypo	CHG	-0.9138
Gm14	273752	273962	Gmdrm	hypo	CHG	-0.3187
Gm14	293638	293827	Gmdrm	hypo	CHG	-0.066
Gm14	320315	320546	Gmdrm	hypo	CHG	-0.8612
Gm14	328476	328565	Gmdrm	hypo	CHG	-0.048
Gm14	360396	360704	Gmdrm	hypo	CHG	-0.0517
Gm14	369008	369273	Gmdrm	hypo	CHG	-0.0633
Gm14	413538	413602	Gmdrm	hypo	CHG	-0.725
Gm14	445910	446094	Gmdrm	hypo	CHG	-0.632
Gm14	446228	446517	Gmdrm	hypo	CHG	-0.4623
Gm14	451120	451296	Gmdrm	hypo	CHG	-0.62
Gm14	513992	514135	Gmdrm	hypo	CHG	-0.519
Gm14	519399	519727	Gmdrm	hypo	CHG	-0.0543
Gm14	534151	534233	Gmdrm	hypo	CHG	-0.798

Gm14	534535	534759	Gmdrm	hypo	CHG	-0.5645
Gm14	557956	558050	Gmdrm	hypo	CHG	-0.6575
Gm14	558190	558569	Gmdrm	hypo	CHG	-0.4567
Gm14	567033	567323	Gmdrm	hypo	CHG	-0.0534
Gm14	567551	567675	Gmdrm	hypo	CHG	-0.0416
Gm14	569673	569720	Gmdrm	hypo	CHG	-0.466
Gm14	582239	582374	Gmdrm	hypo	CHG	-0.0317
Gm14	596269	596466	Gmdrm	hypo	CHG	-0.084
Gm14	616085	616180	Gmdrm	hypo	CHG	-0.03
Gm14	627384	627678	Gmdrm	hypo	CHG	-0.3854
Gm14	629870	630165	Gmdrm	hypo	CHG	-0.4779
Gm14	635684	635946	Gmdrm	hypo	CHG	-0.0686
Gm14	673831	673934	Gmdrm	hypo	CHG	-0.432
Gm14	674086	674194	Gmdrm	hypo	CHG	-0.5674
Gm14	674319	674345	Gmdrm	hypo	CHG	-0.402
Gm14	701323	701843	Gmdrm	hypo	CHG	-0.043
Gm14	702894	703165	Gmdrm	hypo	CHG	-0.8856
Gm14	715467	715544	Gmdrm	hypo	CHG	-0.0633
Gm14	718520	718781	Gmdrm	hypo	CHG	-0.3323
Gm14	718904	719078	Gmdrm	hypo	CHG	-0.5737
Gm14	719393	719736	Gmdrm	hypo	CHG	-0.4612
Gm14	726629	726732	Gmdrm	hypo	CHG	-0.0243
Gm14	727678	727921	Gmdrm	hypo	CHG	-0.3562
Gm14	776778	776869	Gmdrm	hypo	CHG	-0.0516
Gm14	782587	782662	Gmdrm	hypo	CHG	-0.6011
Gm14	808642	808882	Gmdrm	hypo	CHG	-0.0487
Gm14	821613	821664	Gmdrm	hypo	CHG	-0.1757
Gm14	856126	856227	Gmdrm	hypo	CHG	-0.6638
Gm14	876892	877253	Gmdrm	hypo	CHG	-0.0279
Gm14	888352	888484	Gmdrm	hypo	CHG	-0.067
Gm14	900693	900932	Gmdrm	hypo	CHG	-0.0788
Gm14	926295	926545	Gmdrm	hypo	CHG	-0.4593
Gm14	936751	936808	Gmdrm	hypo	CHG	-0.664
Gm14	937171	937323	Gmdrm	hypo	CHG	-0.575
Gm14	937483	938250	Gmdrm	hypo	CHG	-0.51
Gm14	938391	938593	Gmdrm	hypo	CHG	-0.76
Gm14	938927	939012	Gmdrm	hypo	CHG	-0.4982
Gm14	964357	964436	Gmdrm	hypo	CHG	-0.036
Gm14	980579	980671	Gmdrm	hypo	CHG	-0.6284
Gm14	1005106	1005714	Gmdrm	hypo	CHG	-0.3688
Gm14	1007265	1007499	Gmdrm	hypo	CHG	-0.4163
Gm14	1036814	1036927	Gmdrm	hypo	CHG	-0.8517
Gm14	1055211	1055310	Gmdrm	hypo	CHG	-0.5833
Gm14	1056937	1057394	Gmdrm	hypo	CHG	-0.5519
Gm14	1058098	1058176	Gmdrm	hypo	CHG	-0.89
Gm14	1105688	1105965	Gmdrm	hypo	CHG	-0.0417

Gm14	1109280	1109607 Gmdrm	hypo	CHG	-0.0458
Gm14	1133726	1133884 Gmdrm	hypo	CHG	-0.054
Gm14	1133988	1134164 Gmdrm	hypo	CHG	-0.31
Gm14	1148236	1148586 Gmdrm	hypo	CHG	-0.097
Gm14	1157846	1157866 Gmdrm	hypo	CHG	-0.798
Gm14	1170022	1170195 Gmdrm	hypo	CHG	-0.166
Gm14	1172597	1172871 Gmdrm	hypo	CHG	-0.4888
Gm14	1208908	1209160 Gmdrm	hypo	CHG	-0.0255
Gm14	1223646	1223741 Gmdrm	hypo	CHG	-0.685
Gm14	1223845	1224109 Gmdrm	hypo	CHG	-0.075
Gm14	1224622	1224660 Gmdrm	hypo	CHG	-0.486
Gm14	1236050	1236325 Gmdrm	hypo	CHG	-0.0512
Gm14	1246121	1246341 Gmdrm	hypo	CHG	-0.0475
Gm14	1262324	1262531 Gmdrm	hypo	CHG	-0.6693
Gm14	1263157	1263401 Gmdrm	hypo	CHG	-0.4171
Gm14	1268697	1269144 Gmdrm	hypo	CHG	-0.0378
Gm14	1280192	1280391 Gmdrm	hypo	CHG	-0.044
Gm14	1315138	1315270 Gmdrm	hypo	CHG	-0.05
Gm14	1317240	1317548 Gmdrm	hypo	CHG	-0.4535
Gm14	1317691	1318006 Gmdrm	hypo	CHG	-0.6565
Gm14	1324363	1324521 Gmdrm	hypo	CHG	-0.3373
Gm14	1324963	1325076 Gmdrm	hypo	CHG	-0.4525
Gm14	1326060	1326183 Gmdrm	hypo	CHG	-0.4658
Gm14	1326564	1326649 Gmdrm	hypo	CHG	-0.5533
Gm14	1326931	1327366 Gmdrm	hypo	CHG	-0.4065
Gm14	1327574	1327708 Gmdrm	hypo	CHG	-0.5349
Gm14	1327888	1328036 Gmdrm	hypo	CHG	-0.3514
Gm14	1328145	1328236 Gmdrm	hypo	CHG	-0.1367
Gm14	1328359	1328432 Gmdrm	hypo	CHG	-0.0463
Gm14	1328673	1328734 Gmdrm	hypo	CHG	-0.0872
Gm14	1328841	1328883 Gmdrm	hypo	CHG	-0.1916
Gm14	1328998	1329027 Gmdrm	hypo	CHG	-0.08
Gm14	1334357	1334595 Gmdrm	hypo	CHG	-0.635
Gm14	1337673	1337931 Gmdrm	hypo	CHG	-0.226
Gm14	1341976	1342157 Gmdrm	hypo	CHG	-0.048
Gm14	1361412	1361763 Gmdrm	hypo	CHG	-0.2425
Gm14	1362053	1362209 Gmdrm	hypo	CHG	-0.3844
Gm14	1362328	1362482 Gmdrm	hypo	CHG	-0.5384
Gm14	1363133	1363252 Gmdrm	hypo	CHG	-0.2833
Gm14	1372692	1372913 Gmdrm	hypo	CHG	-0.4943
Gm14	1373025	1373250 Gmdrm	hypo	CHG	-0.3769
Gm14	1388276	1388392 Gmdrm	hypo	CHG	-0.4183
Gm14	1393319	1393654 Gmdrm	hypo	CHG	-0.08
Gm14	1397077	1397365 Gmdrm	hypo	CHG	-0.265
Gm14	1426364	1426766 Gmdrm	hypo	CHG	-0.357
Gm14	1439853	1440001 Gmdrm	hypo	CHG	-0.152

Gm14	1440160	1440188 Gmdrm	hypo	CHG	-0.186
Gm14	1440308	1440443 Gmdrm	hypo	CHG	-0.064
Gm14	1440619	1440837 Gmdrm	hypo	CHG	-0.1144
Gm14	1463630	1463920 Gmdrm	hypo	CHG	-0.4212
Gm14	1473602	1473706 Gmdrm	hypo	CHG	-0.466
Gm14	1477653	1477750 Gmdrm	hypo	CHG	-0.042
Gm14	1533207	1533552 Gmdrm	hypo	CHG	-0.04
Gm14	1558933	1558956 Gmdrm	hypo	CHG	-0.7067
Gm14	1564805	1565051 Gmdrm	hypo	CHG	-0.0466
Gm14	1567576	1567679 Gmdrm	hypo	CHG	-0.036
Gm14	1592928	1592991 Gmdrm	hypo	CHG	-0.258
Gm14	1597398	1597524 Gmdrm	hypo	CHG	-0.04
Gm14	1598165	1598567 Gmdrm	hypo	CHG	-0.4015
Gm14	1626199	1626321 Gmdrm	hypo	CHG	-0.6266
Gm14	1629366	1629595 Gmdrm	hypo	CHG	-0.6313
Gm14	1648633	1648666 Gmdrm	hypo	CHG	-0.17
Gm14	1691718	1691971 Gmdrm	hypo	CHG	-0.925
Gm14	1698330	1698519 Gmdrm	hypo	CHG	-0.2273
Gm14	1731001	1731308 Gmdrm	hypo	CHG	-0.097
Gm14	1756750	1756910 Gmdrm	hypo	CHG	-0.0516
Gm14	1762889	1763177 Gmdrm	hypo	CHG	-0.0375
Gm14	1790256	1790410 Gmdrm	hypo	CHG	-0.414
Gm14	1823351	1823508 Gmdrm	hypo	CHG	-0.0467
Gm14	1824140	1824344 Gmdrm	hypo	CHG	-0.0634
Gm14	1834776	1834869 Gmdrm	hypo	CHG	-0.715
Gm14	1835007	1835104 Gmdrm	hypo	CHG	-0.49
Gm14	1851342	1851513 Gmdrm	hypo	CHG	-0.795
Gm14	1854117	1854260 Gmdrm	hypo	CHG	-0.7467
Gm14	1882659	1882818 Gmdrm	hypo	CHG	-0.05
Gm14	1893595	1894306 Gmdrm	hypo	CHG	-0.549
Gm14	1900340	1900464 Gmdrm	hypo	CHG	-0.54
Gm14	1905441	1905630 Gmdrm	hypo	CHG	-0.2225
Gm14	1908325	1908728 Gmdrm	hypo	CHG	-0.456
Gm14	1919304	1919461 Gmdrm	hypo	CHG	-0.2856
Gm14	1926215	1926331 Gmdrm	hypo	CHG	-0.5225
Gm14	1927645	1927721 Gmdrm	hypo	CHG	-0.426
Gm14	1946259	1946442 Gmdrm	hypo	CHG	-0.416
Gm14	1946848	1946923 Gmdrm	hypo	CHG	-0.604
Gm14	1947123	1947183 Gmdrm	hypo	CHG	-0.6767
Gm14	1951377	1951424 Gmdrm	hypo	CHG	-0.8734
Gm14	1951555	1952083 Gmdrm	hypo	CHG	-0.2381
Gm14	1990236	1990415 Gmdrm	hypo	CHG	-0.311
Gm14	1992292	1992721 Gmdrm	hypo	CHG	-0.4236
Gm14	2004739	2004783 Gmdrm	hypo	CHG	-0.0987
Gm14	2023785	2023979 Gmdrm	hypo	CHG	-0.025
Gm14	2038825	2038969 Gmdrm	hypo	CHG	-0.33

Gm14	2049461	2049859	Gmdrm	hypo	CHG	-0.2906
Gm14	2051047	2051138	Gmdrm	hypo	CHG	-0.034
Gm14	2058162	2058312	Gmdrm	hypo	CHG	-0.8933
Gm14	2058417	2058517	Gmdrm	hypo	CHG	-0.9034
Gm14	2058759	2058973	Gmdrm	hypo	CHG	-0.8142
Gm14	2059089	2059439	Gmdrm	hypo	CHG	-0.0775
Gm14	2078844	2079380	Gmdrm	hypo	CHG	-0.2471
Gm14	2091808	2091946	Gmdrm	hypo	CHG	-0.7187
Gm14	2092430	2092520	Gmdrm	hypo	CHG	-0.73
Gm14	2106383	2106527	Gmdrm	hypo	CHG	-0.825
Gm14	2106776	2106830	Gmdrm	hypo	CHG	-0.6717
Gm14	2110628	2110780	Gmdrm	hypo	CHG	-0.3814
Gm14	2121032	2121166	Gmdrm	hypo	CHG	-0.6824
Gm14	2175695	2176025	Gmdrm	hypo	CHG	-0.8494
Gm14	2180796	2181060	Gmdrm	hypo	CHG	-0.0343
Gm14	2219092	2219411	Gmdrm	hypo	CHG	-0.0528
Gm14	2232529	2233167	Gmdrm	hypo	CHG	-0.2132
Gm14	2240332	2240688	Gmdrm	hypo	CHG	-0.2178
Gm14	2255650	2255695	Gmdrm	hypo	CHG	-0.3433
Gm14	2256312	2256363	Gmdrm	hypo	CHG	-0.2317
Gm14	2266448	2266693	Gmdrm	hypo	CHG	-0.2612
Gm14	2267148	2267396	Gmdrm	hypo	CHG	-0.2256
Gm14	2268050	2268273	Gmdrm	hypo	CHG	-0.786
Gm14	2268406	2268455	Gmdrm	hypo	CHG	-0.1014
Gm14	2273160	2273298	Gmdrm	hypo	CHG	-0.5375
Gm14	2273557	2273732	Gmdrm	hypo	CHG	-0.6415
Gm14	2292111	2292265	Gmdrm	hypo	CHG	-0.1475
Gm14	2295928	2296067	Gmdrm	hypo	CHG	-0.0417
Gm14	2301540	2301649	Gmdrm	hypo	CHG	-0.088
Gm14	2309731	2309931	Gmdrm	hypo	CHG	-0.0314
Gm14	2323173	2323320	Gmdrm	hypo	CHG	-0.705
Gm14	2331150	2331262	Gmdrm	hypo	CHG	-0.035
Gm14	2331494	2331887	Gmdrm	hypo	CHG	-0.8587
Gm14	2353227	2353277	Gmdrm	hypo	CHG	-0.6712
Gm14	2360836	2361231	Gmdrm	hypo	CHG	-0.02
Gm14	2364631	2364944	Gmdrm	hypo	CHG	-0.026
Gm14	2387476	2387809	Gmdrm	hypo	CHG	-0.126
Gm14	2397567	2398097	Gmdrm	hypo	CHG	-0.0863
Gm14	2408180	2408252	Gmdrm	hypo	CHG	-0.0528
Gm14	2408378	2408615	Gmdrm	hypo	CHG	-0.07
Gm14	2428548	2428623	Gmdrm	hypo	CHG	-0.485
Gm14	2437874	2437962	Gmdrm	hypo	CHG	-0.768
Gm14	2447043	2447204	Gmdrm	hypo	CHG	-0.044
Gm14	2451920	2452226	Gmdrm	hypo	CHG	-0.5638
Gm14	2499932	2500016	Gmdrm	hypo	CHG	-0.753
Gm14	2507008	2507050	Gmdrm	hypo	CHG	-0.738

Gm14	2507208	2507358	Gmdrm	hypo	CHG	-0.4522
Gm14	2507649	2507802	Gmdrm	hypo	CHG	-0.0908
Gm14	2517709	2517768	Gmdrm	hypo	CHG	-0.8814
Gm14	2523864	2524273	Gmdrm	hypo	CHG	-0.2968
Gm14	2548565	2548707	Gmdrm	hypo	CHG	-0.312
Gm14	2587234	2587410	Gmdrm	hypo	CHG	-0.298
Gm14	2591808	2591928	Gmdrm	hypo	CHG	-0.3443
Gm14	2617977	2618108	Gmdrm	hypo	CHG	-0.048
Gm14	2623432	2623629	Gmdrm	hypo	CHG	-0.576
Gm14	2638047	2638465	Gmdrm	hypo	CHG	-0.9171
Gm14	2641326	2641566	Gmdrm	hypo	CHG	-0.8106
Gm14	2653041	2653242	Gmdrm	hypo	CHG	-0.7212
Gm14	2653902	2653972	Gmdrm	hypo	CHG	-0.7575
Gm14	2662179	2662226	Gmdrm	hypo	CHG	-0.13
Gm14	2664237	2664412	Gmdrm	hypo	CHG	-0.0911
Gm14	2686982	2687003	Gmdrm	hypo	CHG	-0.114
Gm14	2700030	2700400	Gmdrm	hypo	CHG	-0.05
Gm14	2710904	2711088	Gmdrm	hypo	CHG	-0.4415
Gm14	2713621	2713662	Gmdrm	hypo	CHG	-0.04
Gm14	2743015	2743182	Gmdrm	hypo	CHG	-0.024
Gm14	2833241	2833300	Gmdrm	hypo	CHG	-0.0425
Gm14	2835027	2835080	Gmdrm	hypo	CHG	-0.032
Gm14	2859529	2859666	Gmdrm	hypo	CHG	-0.435
Gm14	2863416	2863623	Gmdrm	hypo	CHG	-0.4133
Gm14	2881237	2881482	Gmdrm	hypo	CHG	-0.695
Gm14	2890018	2890304	Gmdrm	hypo	CHG	-0.21
Gm14	2933553	2933587	Gmdrm	hypo	CHG	-0.0767
Gm14	2938412	2938624	Gmdrm	hypo	CHG	-0.052
Gm14	2940534	2940558	Gmdrm	hypo	CHG	-0.1567
Gm14	2943145	2943246	Gmdrm	hypo	CHG	-0.0384
Gm14	3020681	3020817	Gmdrm	hypo	CHG	-0.0367
Gm14	3027578	3027821	Gmdrm	hypo	CHG	-0.0625
Gm14	3036558	3036834	Gmdrm	hypo	CHG	-0.1955
Gm14	3037219	3037667	Gmdrm	hypo	CHG	-0.3442
Gm14	3062190	3062223	Gmdrm	hypo	CHG	-0.088
Gm14	3062502	3062791	Gmdrm	hypo	CHG	-0.6
Gm14	3096405	3096521	Gmdrm	hypo	CHG	-0.558
Gm14	3096717	3096751	Gmdrm	hypo	CHG	-0.166
Gm14	3121804	3122212	Gmdrm	hypo	CHG	-0.3877
Gm14	3122991	3123241	Gmdrm	hypo	CHG	-0.0462
Gm14	3141542	3141870	Gmdrm	hypo	CHG	-0.0945
Gm14	3157887	3158137	Gmdrm	hypo	CHG	-0.6786
Gm14	3165135	3165316	Gmdrm	hypo	CHG	-0.04
Gm14	3170327	3170462	Gmdrm	hypo	CHG	-0.0631
Gm14	3176373	3176699	Gmdrm	hypo	CHG	-0.1884
Gm14	3176818	3176949	Gmdrm	hypo	CHG	-0.4767

Gm14	3177134	3177275 Gmdrm	hypo	CHG	-0.5567
Gm14	3177377	3177938 Gmdrm	hypo	CHG	-0.3758
Gm14	3186110	3186483 Gmdrm	hypo	CHG	-0.4012
Gm14	3209887	3210133 Gmdrm	hypo	CHG	-0.2763
Gm14	3232642	3232809 Gmdrm	hypo	CHG	-0.298
Gm14	3236546	3236804 Gmdrm	hypo	CHG	-0.5313
Gm14	3236969	3237391 Gmdrm	hypo	CHG	-0.2975
Gm14	3242936	3243425 Gmdrm	hypo	CHG	-0.0578
Gm14	3252340	3252418 Gmdrm	hypo	CHG	-0.8734
Gm14	3253059	3253206 Gmdrm	hypo	CHG	-0.04
Gm14	3253529	3253765 Gmdrm	hypo	CHG	-0.69
Gm14	3253874	3253923 Gmdrm	hypo	CHG	-0.698
Gm14	3260650	3261239 Gmdrm	hypo	CHG	-0.5264
Gm14	3276835	3277049 Gmdrm	hypo	CHG	-0.3033
Gm14	3278788	3278901 Gmdrm	hypo	CHG	-0.272
Gm14	3279155	3279306 Gmdrm	hypo	CHG	-0.3545
Gm14	3279976	3280100 Gmdrm	hypo	CHG	-0.41
Gm14	3280230	3280553 Gmdrm	hypo	CHG	-0.5379
Gm14	3291543	3291929 Gmdrm	hypo	CHG	-0.6434
Gm14	3292386	3292701 Gmdrm	hypo	CHG	-0.3036
Gm14	3336557	3336824 Gmdrm	hypo	CHG	-0.228
Gm14	3337080	3337329 Gmdrm	hypo	CHG	-0.2978
Gm14	3340776	3340966 Gmdrm	hypo	CHG	-0.2094
Gm14	3354882	3355278 Gmdrm	hypo	CHG	-0.0466
Gm14	3368558	3368736 Gmdrm	hypo	CHG	-0.832
Gm14	3369214	3369399 Gmdrm	hypo	CHG	-0.7111
Gm14	3369508	3369638 Gmdrm	hypo	CHG	-0.625
Gm14	3380113	3380271 Gmdrm	hypo	CHG	-0.0471
Gm14	3381451	3381686 Gmdrm	hypo	CHG	-0.085
Gm14	3393067	3393501 Gmdrm	hypo	CHG	-0.3247
Gm14	3396760	3396971 Gmdrm	hypo	CHG	-0.034
Gm14	3401041	3401301 Gmdrm	hypo	CHG	-0.14
Gm14	3410959	3411253 Gmdrm	hypo	CHG	-0.0311
Gm14	3411862	3412207 Gmdrm	hypo	CHG	-0.0325
Gm14	3415704	3415833 Gmdrm	hypo	CHG	-0.0283
Gm14	3424671	3424910 Gmdrm	hypo	CHG	-0.042
Gm14	3435810	3435855 Gmdrm	hypo	CHG	-0.5233
Gm14	3444183	3444264 Gmdrm	hypo	CHG	-0.5737
Gm14	3477140	3477248 Gmdrm	hypo	CHG	-0.028
Gm14	3477440	3477834 Gmdrm	hypo	CHG	-0.4287
Gm14	3481822	3481953 Gmdrm	hypo	CHG	-0.5943
Gm14	3482100	3482207 Gmdrm	hypo	CHG	-0.6871
Gm14	3498058	3498216 Gmdrm	hypo	CHG	-0.41
Gm14	3501633	3501664 Gmdrm	hypo	CHG	-0.066
Gm14	3512122	3512324 Gmdrm	hypo	CHG	-0.1475
Gm14	3527522	3527727 Gmdrm	hypo	CHG	-0.0186

Gm14	3550382	3550469	Gmdrm	hypo	CHG	-0.068
Gm14	3550967	3551183	Gmdrm	hypo	CHG	-0.0516
Gm14	3555583	3555839	Gmdrm	hypo	CHG	-0.1153
Gm14	3557542	3557814	Gmdrm	hypo	CHG	-0.3373
Gm14	3566400	3566481	Gmdrm	hypo	CHG	-0.054
Gm14	3585628	3585680	Gmdrm	hypo	CHG	-0.1617
Gm14	3588822	3588977	Gmdrm	hypo	CHG	-0.3387
Gm14	3590048	3590340	Gmdrm	hypo	CHG	-0.042
Gm14	3594005	3594543	Gmdrm	hypo	CHG	-0.3875
Gm14	3602889	3603076	Gmdrm	hypo	CHG	-0.885
Gm14	3603283	3603292	Gmdrm	hypo	CHG	-0.814
Gm14	3603452	3603574	Gmdrm	hypo	CHG	-0.6889
Gm14	3622330	3622822	Gmdrm	hypo	CHG	-0.3212
Gm14	3622951	3623083	Gmdrm	hypo	CHG	-0.1809
Gm14	3634371	3634577	Gmdrm	hypo	CHG	-0.0519
Gm14	3655994	3656135	Gmdrm	hypo	CHG	-0.398
Gm14	3670402	3670523	Gmdrm	hypo	CHG	-0.1783
Gm14	3672017	3672135	Gmdrm	hypo	CHG	-0.212
Gm14	3696763	3696999	Gmdrm	hypo	CHG	-0.2794
Gm14	3705995	3706192	Gmdrm	hypo	CHG	-0.5334
Gm14	3721618	3721961	Gmdrm	hypo	CHG	-0.5867
Gm14	3731916	3732256	Gmdrm	hypo	CHG	-0.4062
Gm14	3740467	3740512	Gmdrm	hypo	CHG	-0.7275
Gm14	3741357	3741453	Gmdrm	hypo	CHG	-0.586
Gm14	3759736	3759830	Gmdrm	hypo	CHG	-0.8413
Gm14	3803345	3803445	Gmdrm	hypo	CHG	-0.068
Gm14	3827405	3827420	Gmdrm	hypo	CHG	-0.046
Gm14	3841020	3841048	Gmdrm	hypo	CHG	-0.1762
Gm14	3852677	3853197	Gmdrm	hypo	CHG	-0.7387
Gm14	3853488	3853602	Gmdrm	hypo	CHG	-0.5583
Gm14	3869049	3869173	Gmdrm	hypo	CHG	-0.5092
Gm14	3869354	3869957	Gmdrm	hypo	CHG	-0.3313
Gm14	3896921	3897165	Gmdrm	hypo	CHG	-0.2523
Gm14	3902767	3902848	Gmdrm	hypo	CHG	-0.85
Gm14	3911405	3911640	Gmdrm	hypo	CHG	-0.0291
Gm14	3934343	3934678	Gmdrm	hypo	CHG	-0.0463
Gm14	3950156	3951032	Gmdrm	hypo	CHG	-0.0518
Gm14	3954603	3955091	Gmdrm	hypo	CHG	-0.0636
Gm14	3974888	3975062	Gmdrm	hypo	CHG	-0.052
Gm14	3981682	3981914	Gmdrm	hypo	CHG	-0.05
Gm14	4003017	4003351	Gmdrm	hypo	CHG	-0.7259
Gm14	4003745	4004004	Gmdrm	hypo	CHG	-0.7891
Gm14	4019011	4019064	Gmdrm	hypo	CHG	-0.656
Gm14	4019188	4019985	Gmdrm	hypo	CHG	-0.307
Gm14	4034029	4034145	Gmdrm	hypo	CHG	-0.4725
Gm14	4034593	4034707	Gmdrm	hypo	CHG	-0.055

Gm14	4034846	4035095	Gmdrm	hypo	CHG	-0.4616
Gm14	4053579	4053840	Gmdrm	hypo	CHG	-0.7166
Gm14	4054155	4054401	Gmdrm	hypo	CHG	-0.4462
Gm14	4056541	4056649	Gmdrm	hypo	CHG	-0.422
Gm14	4056806	4057098	Gmdrm	hypo	CHG	-0.3137
Gm14	4080662	4080825	Gmdrm	hypo	CHG	-0.0745
Gm14	4082784	4082881	Gmdrm	hypo	CHG	-0.2728
Gm14	4083602	4083838	Gmdrm	hypo	CHG	-0.299
Gm14	4097985	4098081	Gmdrm	hypo	CHG	-0.485
Gm14	4108856	4108973	Gmdrm	hypo	CHG	-0.6486
Gm14	4118740	4118891	Gmdrm	hypo	CHG	-0.4974
Gm14	4119090	4119224	Gmdrm	hypo	CHG	-0.2416
Gm14	4132465	4132630	Gmdrm	hypo	CHG	-0.0343
Gm14	4142470	4142534	Gmdrm	hypo	CHG	-0.515
Gm14	4142640	4142819	Gmdrm	hypo	CHG	-0.78
Gm14	4143414	4143743	Gmdrm	hypo	CHG	-0.3467
Gm14	4160940	4161006	Gmdrm	hypo	CHG	-0.066
Gm14	4177582	4178246	Gmdrm	hypo	CHG	-0.4932
Gm14	4183496	4184469	Gmdrm	hypo	CHG	-0.2129
Gm14	4184742	4185282	Gmdrm	hypo	CHG	-0.7019
Gm14	4185386	4185739	Gmdrm	hypo	CHG	-0.0643
Gm14	4186550	4186783	Gmdrm	hypo	CHG	-0.7487
Gm14	4186942	4186998	Gmdrm	hypo	CHG	-0.6417
Gm14	4187680	4187984	Gmdrm	hypo	CHG	-0.258
Gm14	4200106	4200337	Gmdrm	hypo	CHG	-0.094
Gm14	4224097	4224754	Gmdrm	hypo	CHG	-0.7118
Gm14	4224910	4225026	Gmdrm	hypo	CHG	-0.0875
Gm14	4242777	4242928	Gmdrm	hypo	CHG	-0.6412
Gm14	4243833	4243924	Gmdrm	hypo	CHG	-0.3614
Gm14	4331240	4331673	Gmdrm	hypo	CHG	-0.03
Gm14	4337291	4337845	Gmdrm	hypo	CHG	-0.4808
Gm14	4358000	4358140	Gmdrm	hypo	CHG	-0.785
Gm14	4451892	4452403	Gmdrm	hypo	CHG	-0.3944
Gm14	4455023	4455178	Gmdrm	hypo	CHG	-0.8966
Gm14	4455345	4455737	Gmdrm	hypo	CHG	-0.8007
Gm14	4455869	4456051	Gmdrm	hypo	CHG	-0.6686
Gm14	4461385	4461671	Gmdrm	hypo	CHG	-0.69
Gm14	4462007	4462297	Gmdrm	hypo	CHG	-0.6827
Gm14	4464343	4464507	Gmdrm	hypo	CHG	-0.5757
Gm14	4464757	4464866	Gmdrm	hypo	CHG	-0.2913
Gm14	4466217	4466430	Gmdrm	hypo	CHG	-0.2022
Gm14	4478593	4479358	Gmdrm	hypo	CHG	-0.2482
Gm14	4487800	4487953	Gmdrm	hypo	CHG	-0.0416
Gm14	4499772	4499875	Gmdrm	hypo	CHG	-0.63
Gm14	4500292	4500346	Gmdrm	hypo	CHG	-0.8767
Gm14	4512203	4512336	Gmdrm	hypo	CHG	-0.125

Gm14	4518588	4518693	Gmdrm	hypo	CHG	-0.3083
Gm14	4521086	4521125	Gmdrm	hypo	CHG	-0.2017
Gm14	4536301	4536480	Gmdrm	hypo	CHG	-0.06
Gm14	4541684	4542130	Gmdrm	hypo	CHG	-0.1186
Gm14	4543654	4543733	Gmdrm	hypo	CHG	-0.038
Gm14	4548932	4549052	Gmdrm	hypo	CHG	-0.91
Gm14	4549244	4549461	Gmdrm	hypo	CHG	-0.8186
Gm14	4549736	4549846	Gmdrm	hypo	CHG	-0.0675
Gm14	4567932	4568068	Gmdrm	hypo	CHG	-0.3871
Gm14	4570026	4570482	Gmdrm	hypo	CHG	-0.4665
Gm14	4572677	4572878	Gmdrm	hypo	CHG	-0.0537
Gm14	4583335	4583646	Gmdrm	hypo	CHG	-0.2039
Gm14	4583907	4584276	Gmdrm	hypo	CHG	-0.045
Gm14	4592581	4592791	Gmdrm	hypo	CHG	-0.5112
Gm14	4599653	4599776	Gmdrm	hypo	CHG	-0.044
Gm14	4621538	4621846	Gmdrm	hypo	CHG	-0.9153
Gm14	4642904	4643299	Gmdrm	hypo	CHG	-0.3216
Gm14	4670965	4671129	Gmdrm	hypo	CHG	-0.8944
Gm14	4678747	4678824	Gmdrm	hypo	CHG	-0.3137
Gm14	4692319	4692718	Gmdrm	hypo	CHG	-0.89
Gm14	4728472	4728679	Gmdrm	hypo	CHG	-0.2992
Gm14	4738883	4739027	Gmdrm	hypo	CHG	-0.04
Gm14	4756046	4756182	Gmdrm	hypo	CHG	-0.05
Gm14	4756427	4757079	Gmdrm	hypo	CHG	-0.3123
Gm14	4761859	4761884	Gmdrm	hypo	CHG	-0.688
Gm14	4762199	4762235	Gmdrm	hypo	CHG	-0.6033
Gm14	4773094	4773238	Gmdrm	hypo	CHG	-0.0667
Gm14	4773558	4773675	Gmdrm	hypo	CHG	-0.8229
Gm14	4774760	4774880	Gmdrm	hypo	CHG	-0.026
Gm14	4813318	4813533	Gmdrm	hypo	CHG	-0.4027
Gm14	4822925	4823028	Gmdrm	hypo	CHG	-0.5872
Gm14	4835487	4835919	Gmdrm	hypo	CHG	-0.0416
Gm14	4873479	4873850	Gmdrm	hypo	CHG	-0.5855
Gm14	4874807	4874941	Gmdrm	hypo	CHG	-0.522
Gm14	4897791	4897866	Gmdrm	hypo	CHG	-0.5633
Gm14	4898264	4898480	Gmdrm	hypo	CHG	-0.278
Gm14	4915904	4916061	Gmdrm	hypo	CHG	-0.8457
Gm14	4927438	4927569	Gmdrm	hypo	CHG	-0.082
Gm14	4937527	4937611	Gmdrm	hypo	CHG	-0.29
Gm14	4951543	4951754	Gmdrm	hypo	CHG	-0.5933
Gm14	4952046	4952135	Gmdrm	hypo	CHG	-0.7717
Gm14	4975386	4975572	Gmdrm	hypo	CHG	-0.134
Gm14	4980656	4980849	Gmdrm	hypo	CHG	-0.38
Gm14	5015996	5016291	Gmdrm	hypo	CHG	-0.0433
Gm14	5020536	5020762	Gmdrm	hypo	CHG	-0.4178
Gm14	5021915	5022029	Gmdrm	hypo	CHG	-0.525

Gm14	5022432	5022577 Gmdrm	hypo	CHG	-0.3013
Gm14	5047639	5047723 Gmdrm	hypo	CHG	-0.25
Gm14	5050139	5050344 Gmdrm	hypo	CHG	-0.65
Gm14	5050452	5050497 Gmdrm	hypo	CHG	-0.558
Gm14	5074039	5074101 Gmdrm	hypo	CHG	-0.7086
Gm14	5084329	5084361 Gmdrm	hypo	CHG	-0.4443
Gm14	5084494	5084717 Gmdrm	hypo	CHG	-0.42
Gm14	5084934	5085032 Gmdrm	hypo	CHG	-0.5417
Gm14	5099214	5099250 Gmdrm	hypo	CHG	-0.0567
Gm14	5127545	5127734 Gmdrm	hypo	CHG	-0.0543
Gm14	5144211	5145031 Gmdrm	hypo	CHG	-0.5053
Gm14	5146657	5147021 Gmdrm	hypo	CHG	-0.2139
Gm14	5173110	5173250 Gmdrm	hypo	CHG	-0.765
Gm14	5173402	5173551 Gmdrm	hypo	CHG	-0.75
Gm14	5193187	5193302 Gmdrm	hypo	CHG	-0.0257
Gm14	5207914	5208393 Gmdrm	hypo	CHG	-0.3677
Gm14	5212689	5212872 Gmdrm	hypo	CHG	-0.8625
Gm14	5223334	5223517 Gmdrm	hypo	CHG	-0.4467
Gm14	5279440	5279694 Gmdrm	hypo	CHG	-0.0528
Gm14	5291527	5291661 Gmdrm	hypo	CHG	-0.0343
Gm14	5337095	5337171 Gmdrm	hypo	CHG	-0.055
Gm14	5340441	5340697 Gmdrm	hypo	CHG	-0.05
Gm14	5346035	5346146 Gmdrm	hypo	CHG	-0.17
Gm14	5347185	5347473 Gmdrm	hypo	CHG	-0.3312
Gm14	5349882	5350025 Gmdrm	hypo	CHG	-0.678
Gm14	5350287	5350404 Gmdrm	hypo	CHG	-0.3766
Gm14	5356515	5356578 Gmdrm	hypo	CHG	-0.686
Gm14	5411211	5411276 Gmdrm	hypo	CHG	-0.57
Gm14	5414340	5414642 Gmdrm	hypo	CHG	-0.6146
Gm14	5416204	5416488 Gmdrm	hypo	CHG	-0.515
Gm14	5420560	5420661 Gmdrm	hypo	CHG	-0.5215
Gm14	5420820	5420933 Gmdrm	hypo	CHG	-0.6633
Gm14	5431316	5431616 Gmdrm	hypo	CHG	-0.7268
Gm14	5469887	5469948 Gmdrm	hypo	CHG	-0.058
Gm14	5476924	5476993 Gmdrm	hypo	CHG	-0.74
Gm14	5491166	5491284 Gmdrm	hypo	CHG	-0.8773
Gm14	5496103	5496269 Gmdrm	hypo	CHG	-0.942
Gm14	5510162	5510346 Gmdrm	hypo	CHG	-0.4756
Gm14	5510656	5510759 Gmdrm	hypo	CHG	-0.0633
Gm14	5517716	5517992 Gmdrm	hypo	CHG	-0.8927
Gm14	5523438	5524332 Gmdrm	hypo	CHG	-0.362
Gm14	5525592	5525679 Gmdrm	hypo	CHG	-0.425
Gm14	5525781	5525920 Gmdrm	hypo	CHG	-0.344
Gm14	5526137	5526180 Gmdrm	hypo	CHG	-0.2784
Gm14	5534507	5534631 Gmdrm	hypo	CHG	-0.7689
Gm14	5538161	5538369 Gmdrm	hypo	CHG	-0.6609

Gm14	5549827	5550806	Gmdrm	hypo	CHG	-0.1946
Gm14	5559871	5560043	Gmdrm	hypo	CHG	-0.446
Gm14	5578289	5578470	Gmdrm	hypo	CHG	-0.4784
Gm14	5578627	5578694	Gmdrm	hypo	CHG	-0.9637
Gm14	5609220	5609347	Gmdrm	hypo	CHG	-0.0572
Gm14	5618635	5619022	Gmdrm	hypo	CHG	-0.043
Gm14	5647472	5647828	Gmdrm	hypo	CHG	-0.044
Gm14	5657376	5657739	Gmdrm	hypo	CHG	-0.7893
Gm14	5659194	5659226	Gmdrm	hypo	CHG	-0.304
Gm14	5686599	5686791	Gmdrm	hypo	CHG	-0.8078
Gm14	5704629	5705034	Gmdrm	hypo	CHG	-0.1875
Gm14	5708419	5708850	Gmdrm	hypo	CHG	-0.7495
Gm14	5708993	5709051	Gmdrm	hypo	CHG	-0.632
Gm14	5710022	5710411	Gmdrm	hypo	CHG	-0.7035
Gm14	5713776	5713894	Gmdrm	hypo	CHG	-0.7557
Gm14	5714166	5714307	Gmdrm	hypo	CHG	-0.6537
Gm14	5723966	5724050	Gmdrm	hypo	CHG	-0.565
Gm14	5754300	5754526	Gmdrm	hypo	CHG	-0.0577
Gm14	5760839	5760924	Gmdrm	hypo	CHG	-0.5913
Gm14	5794131	5794297	Gmdrm	hypo	CHG	-0.1617
Gm14	5836192	5836331	Gmdrm	hypo	CHG	-0.035
Gm14	5839936	5840252	Gmdrm	hypo	CHG	-0.6345
Gm14	5841215	5841442	Gmdrm	hypo	CHG	-0.5615
Gm14	5852045	5852192	Gmdrm	hypo	CHG	-0.212
Gm14	5852627	5852853	Gmdrm	hypo	CHG	-0.242
Gm14	5865399	5865499	Gmdrm	hypo	CHG	-0.6834
Gm14	5865645	5865993	Gmdrm	hypo	CHG	-0.16
Gm14	5876207	5876269	Gmdrm	hypo	CHG	-0.4834
Gm14	5959445	5959821	Gmdrm	hypo	CHG	-0.04
Gm14	5965579	5965682	Gmdrm	hypo	CHG	-0.6166
Gm14	5966634	5966769	Gmdrm	hypo	CHG	-0.1583
Gm14	5966882	5966916	Gmdrm	hypo	CHG	-0.3833
Gm14	5973192	5973354	Gmdrm	hypo	CHG	-0.042
Gm14	5974659	5974779	Gmdrm	hypo	CHG	-0.6425
Gm14	5975182	5975969	Gmdrm	hypo	CHG	-0.3613
Gm14	5976075	5976206	Gmdrm	hypo	CHG	-0.6022
Gm14	5979428	5979597	Gmdrm	hypo	CHG	-0.7955
Gm14	5999885	6000162	Gmdrm	hypo	CHG	-0.6162
Gm14	6011801	6011914	Gmdrm	hypo	CHG	-0.1833
Gm14	6033972	6034167	Gmdrm	hypo	CHG	-0.06
Gm14	6037347	6037689	Gmdrm	hypo	CHG	-0.6468
Gm14	6042137	6042212	Gmdrm	hypo	CHG	-0.726
Gm14	6045129	6045199	Gmdrm	hypo	CHG	-0.8633
Gm14	6050020	6050182	Gmdrm	hypo	CHG	-0.3034
Gm14	6054868	6055111	Gmdrm	hypo	CHG	-0.0584
Gm14	6067310	6067553	Gmdrm	hypo	CHG	-0.0533

Gm14	6112463	6112757 Gmdrm	hypo	CHG	-0.2337
Gm14	6121937	6122068 Gmdrm	hypo	CHG	-0.8084
Gm14	6122413	6122794 Gmdrm	hypo	CHG	-0.7387
Gm14	6127473	6127790 Gmdrm	hypo	CHG	-0.0563
Gm14	6146148	6146171 Gmdrm	hypo	CHG	-0.272
Gm14	6147266	6147480 Gmdrm	hypo	CHG	-0.0325
Gm14	6163583	6163889 Gmdrm	hypo	CHG	-0.055
Gm14	6181956	6182181 Gmdrm	hypo	CHG	-0.0328
Gm14	6190116	6190151 Gmdrm	hypo	CHG	-0.9517
Gm14	6201721	6202000 Gmdrm	hypo	CHG	-0.0586
Gm14	6204173	6204464 Gmdrm	hypo	CHG	-0.2129
Gm14	6225681	6225732 Gmdrm	hypo	CHG	-0.064
Gm14	6229700	6229831 Gmdrm	hypo	CHG	-0.2183
Gm14	6231973	6232188 Gmdrm	hypo	CHG	-0.3824
Gm14	6232331	6232349 Gmdrm	hypo	CHG	-0.804
Gm14	6244730	6244753 Gmdrm	hypo	CHG	-0.382
Gm14	6244989	6245114 Gmdrm	hypo	CHG	-0.4517
Gm14	6252913	6253041 Gmdrm	hypo	CHG	-0.1414
Gm14	6284797	6285047 Gmdrm	hypo	CHG	-0.3591
Gm14	6286774	6286792 Gmdrm	hypo	CHG	-0.834
Gm14	6290446	6290606 Gmdrm	hypo	CHG	-0.3189
Gm14	6292298	6292335 Gmdrm	hypo	CHG	-0.104
Gm14	6297412	6297813 Gmdrm	hypo	CHG	-0.0823
Gm14	6299298	6299427 Gmdrm	hypo	CHG	-0.4483
Gm14	6299920	6300060 Gmdrm	hypo	CHG	-0.6788
Gm14	6334255	6334607 Gmdrm	hypo	CHG	-0.028
Gm14	6335449	6335662 Gmdrm	hypo	CHG	-0.028
Gm14	6340874	6341053 Gmdrm	hypo	CHG	-0.0275
Gm14	6372325	6372691 Gmdrm	hypo	CHG	-0.4873
Gm14	6372805	6372954 Gmdrm	hypo	CHG	-0.704
Gm14	6374033	6374425 Gmdrm	hypo	CHG	-0.8387
Gm14	6376574	6376686 Gmdrm	hypo	CHG	-0.733
Gm14	6376791	6377218 Gmdrm	hypo	CHG	-0.5623
Gm14	6383896	6384074 Gmdrm	hypo	CHG	-0.238
Gm14	6385782	6385906 Gmdrm	hypo	CHG	-0.7914
Gm14	6386045	6386222 Gmdrm	hypo	CHG	-0.7
Gm14	6389616	6390230 Gmdrm	hypo	CHG	-0.6583
Gm14	6420630	6420843 Gmdrm	hypo	CHG	-0.7611
Gm14	6423406	6423807 Gmdrm	hypo	CHG	-0.4786
Gm14	6441784	6442144 Gmdrm	hypo	CHG	-0.8094
Gm14	6443323	6443652 Gmdrm	hypo	CHG	-0.794
Gm14	6449265	6449361 Gmdrm	hypo	CHG	-0.1633
Gm14	6454133	6454149 Gmdrm	hypo	CHG	-0.034
Gm14	6458049	6458287 Gmdrm	hypo	CHG	-0.6334
Gm14	6469009	6469227 Gmdrm	hypo	CHG	-0.06
Gm14	6492825	6492963 Gmdrm	hypo	CHG	-0.3578

Gm14	6498378	6498564	Gmdrm	hypo	CHG	-0.5277
Gm14	6528378	6528651	Gmdrm	hypo	CHG	-0.0214
Gm14	6532088	6532235	Gmdrm	hypo	CHG	-0.34
Gm14	6543446	6543642	Gmdrm	hypo	CHG	-0.1134
Gm14	6543798	6543894	Gmdrm	hypo	CHG	-0.8967
Gm14	6544017	6544153	Gmdrm	hypo	CHG	-0.602
Gm14	6578162	6578654	Gmdrm	hypo	CHG	-0.4735
Gm14	6579312	6579364	Gmdrm	hypo	CHG	-0.7228
Gm14	6579632	6579817	Gmdrm	hypo	CHG	-0.799
Gm14	6580816	6580968	Gmdrm	hypo	CHG	-0.6123
Gm14	6582573	6582817	Gmdrm	hypo	CHG	-0.366
Gm14	6582980	6583645	Gmdrm	hypo	CHG	-0.3232
Gm14	6640006	6640156	Gmdrm	hypo	CHG	-0.5456
Gm14	6648700	6649237	Gmdrm	hypo	CHG	-0.2508
Gm14	6650169	6650460	Gmdrm	hypo	CHG	-0.3425
Gm14	6650721	6650873	Gmdrm	hypo	CHG	-0.2554
Gm14	6658407	6658592	Gmdrm	hypo	CHG	-0.6629
Gm14	6665619	6665894	Gmdrm	hypo	CHG	-0.3695
Gm14	6699505	6699556	Gmdrm	hypo	CHG	-0.245
Gm14	6699742	6699873	Gmdrm	hypo	CHG	-0.5975
Gm14	6703036	6703084	Gmdrm	hypo	CHG	-0.7434
Gm14	6703372	6703640	Gmdrm	hypo	CHG	-0.7247
Gm14	6705682	6706040	Gmdrm	hypo	CHG	-0.6638
Gm14	6706157	6706354	Gmdrm	hypo	CHG	-0.8617
Gm14	6706712	6706961	Gmdrm	hypo	CHG	-0.8354
Gm14	6721371	6721509	Gmdrm	hypo	CHG	-0.475
Gm14	6721637	6721713	Gmdrm	hypo	CHG	-0.3033
Gm14	6722257	6723051	Gmdrm	hypo	CHG	-0.2343
Gm14	6723161	6723447	Gmdrm	hypo	CHG	-0.6578
Gm14	6723588	6723741	Gmdrm	hypo	CHG	-0.7853
Gm14	6727958	6728094	Gmdrm	hypo	CHG	-0.0678
Gm14	6742694	6742823	Gmdrm	hypo	CHG	-0.7586
Gm14	6743049	6743186	Gmdrm	hypo	CHG	-0.755
Gm14	6743382	6743449	Gmdrm	hypo	CHG	-0.8917
Gm14	6750927	6751222	Gmdrm	hypo	CHG	-0.4585
Gm14	6751594	6751781	Gmdrm	hypo	CHG	-0.046
Gm14	6759065	6759195	Gmdrm	hypo	CHG	-0.2431
Gm14	6761184	6761906	Gmdrm	hypo	CHG	-0.2113
Gm14	6770654	6770861	Gmdrm	hypo	CHG	-0.8025
Gm14	6773160	6773279	Gmdrm	hypo	CHG	-0.2934
Gm14	6773554	6773744	Gmdrm	hypo	CHG	-0.602
Gm14	6773851	6773957	Gmdrm	hypo	CHG	-0.3007
Gm14	6820367	6820437	Gmdrm	hypo	CHG	-0.512
Gm14	6820825	6821354	Gmdrm	hypo	CHG	-0.5445
Gm14	6823661	6823769	Gmdrm	hypo	CHG	-0.3233
Gm14	6834533	6834645	Gmdrm	hypo	CHG	-0.704

Gm14	6848051	6848171	Gmdrm	hypo	CHG	-0.3063
Gm14	6848276	6848371	Gmdrm	hypo	CHG	-0.4828
Gm14	6852035	6852118	Gmdrm	hypo	CHG	-0.036
Gm14	6865358	6865785	Gmdrm	hypo	CHG	-0.0529
Gm14	6875891	6876085	Gmdrm	hypo	CHG	-0.6118
Gm14	6897517	6898494	Gmdrm	hypo	CHG	-0.0612
Gm14	6949760	6949835	Gmdrm	hypo	CHG	-0.036
Gm14	6950198	6950323	Gmdrm	hypo	CHG	-0.3666
Gm14	6976364	6976454	Gmdrm	hypo	CHG	-0.068
Gm14	6976671	6977081	Gmdrm	hypo	CHG	-0.3168
Gm14	6981070	6981151	Gmdrm	hypo	CHG	-0.8314
Gm14	7015341	7015402	Gmdrm	hypo	CHG	-0.5783
Gm14	7020991	7021022	Gmdrm	hypo	CHG	-0.15
Gm14	7042108	7042198	Gmdrm	hypo	CHG	-0.04
Gm14	7077851	7078076	Gmdrm	hypo	CHG	-0.6466
Gm14	7096972	7097219	Gmdrm	hypo	CHG	-0.6112
Gm14	7097463	7097600	Gmdrm	hypo	CHG	-0.7275
Gm14	7099836	7099984	Gmdrm	hypo	CHG	-0.8237
Gm14	7100551	7100890	Gmdrm	hypo	CHG	-0.4225
Gm14	7134735	7134967	Gmdrm	hypo	CHG	-0.0383
Gm14	7143971	7144058	Gmdrm	hypo	CHG	-0.04
Gm14	7176821	7176892	Gmdrm	hypo	CHG	-0.03
Gm14	7180944	7181294	Gmdrm	hypo	CHG	-0.3552
Gm14	7194534	7194981	Gmdrm	hypo	CHG	-0.5267
Gm14	7195780	7196086	Gmdrm	hypo	CHG	-0.8125
Gm14	7212302	7212531	Gmdrm	hypo	CHG	-0.49
Gm14	7213301	7213389	Gmdrm	hypo	CHG	-0.385
Gm14	7213594	7213708	Gmdrm	hypo	CHG	-0.3213
Gm14	7221626	7221841	Gmdrm	hypo	CHG	-0.5293
Gm14	7231197	7231506	Gmdrm	hypo	CHG	-0.0617
Gm14	7234967	7235010	Gmdrm	hypo	CHG	-0.2983
Gm14	7243427	7243488	Gmdrm	hypo	CHG	-0.71
Gm14	7243744	7244136	Gmdrm	hypo	CHG	-0.0322
Gm14	7249990	7250170	Gmdrm	hypo	CHG	-0.3857
Gm14	7252979	7253309	Gmdrm	hypo	CHG	-0.4124
Gm14	7253420	7253527	Gmdrm	hypo	CHG	-0.696
Gm14	7262477	7262605	Gmdrm	hypo	CHG	-0.03
Gm14	7267494	7267589	Gmdrm	hypo	CHG	-0.034
Gm14	7272960	7273244	Gmdrm	hypo	CHG	-0.5442
Gm14	7276285	7276946	Gmdrm	hypo	CHG	-0.1218
Gm14	7286384	7286479	Gmdrm	hypo	CHG	-0.822
Gm14	7293133	7293257	Gmdrm	hypo	CHG	-0.7
Gm14	7294186	7294262	Gmdrm	hypo	CHG	-0.594
Gm14	7294756	7294927	Gmdrm	hypo	CHG	-0.1761
Gm14	7302980	7303234	Gmdrm	hypo	CHG	-0.4285
Gm14	7309849	7310096	Gmdrm	hypo	CHG	-0.3633

Gm14	7324590	7324781	Gmdrm	hypo	CHG	-0.8333
Gm14	7332822	7332947	Gmdrm	hypo	CHG	-0.0485
Gm14	7333064	7333122	Gmdrm	hypo	CHG	-0.8113
Gm14	7348473	7348613	Gmdrm	hypo	CHG	-0.3586
Gm14	7368870	7369178	Gmdrm	hypo	CHG	-0.3741
Gm14	7374999	7375097	Gmdrm	hypo	CHG	-0.575
Gm14	7382599	7382699	Gmdrm	hypo	CHG	-0.05
Gm14	7383934	7383974	Gmdrm	hypo	CHG	-0.8133
Gm14	7405397	7405465	Gmdrm	hypo	CHG	-0.88
Gm14	7406566	7406711	Gmdrm	hypo	CHG	-0.4292
Gm14	7406890	7407082	Gmdrm	hypo	CHG	-0.4476
Gm14	7407587	7407646	Gmdrm	hypo	CHG	-0.928
Gm14	7410388	7410528	Gmdrm	hypo	CHG	-0.5865
Gm14	7410700	7410858	Gmdrm	hypo	CHG	-0.63
Gm14	7415714	7416139	Gmdrm	hypo	CHG	-0.0394
Gm14	7419334	7419730	Gmdrm	hypo	CHG	-0.035
Gm14	7420017	7420144	Gmdrm	hypo	CHG	-0.054
Gm14	7426501	7426947	Gmdrm	hypo	CHG	-0.3425
Gm14	7433668	7433829	Gmdrm	hypo	CHG	-0.03
Gm14	7437159	7437231	Gmdrm	hypo	CHG	-0.4637
Gm14	7449946	7450586	Gmdrm	hypo	CHG	-0.1364
Gm14	7450710	7451164	Gmdrm	hypo	CHG	-0.1014
Gm14	7451291	7451732	Gmdrm	hypo	CHG	-0.2608
Gm14	7452498	7452912	Gmdrm	hypo	CHG	-0.3906
Gm14	7453016	7453466	Gmdrm	hypo	CHG	-0.2264
Gm14	7456047	7456555	Gmdrm	hypo	CHG	-0.476
Gm14	7459396	7459650	Gmdrm	hypo	CHG	-0.372
Gm14	7459785	7459879	Gmdrm	hypo	CHG	-0.644
Gm14	7459996	7460179	Gmdrm	hypo	CHG	-0.704
Gm14	7464452	7464629	Gmdrm	hypo	CHG	-0.7843
Gm14	7465388	7465430	Gmdrm	hypo	CHG	-0.1967
Gm14	7472349	7472570	Gmdrm	hypo	CHG	-0.7146
Gm14	7486289	7486447	Gmdrm	hypo	CHG	-0.5275
Gm14	7486563	7486575	Gmdrm	hypo	CHG	-0.58
Gm14	7486809	7487198	Gmdrm	hypo	CHG	-0.2583
Gm14	7491818	7491966	Gmdrm	hypo	CHG	-0.88
Gm14	7494610	7494767	Gmdrm	hypo	CHG	-0.5829
Gm14	7498545	7498909	Gmdrm	hypo	CHG	-0.8185
Gm14	7499057	7499227	Gmdrm	hypo	CHG	-0.3875
Gm14	7525227	7525624	Gmdrm	hypo	CHG	-0.4271
Gm14	7527320	7527507	Gmdrm	hypo	CHG	-0.3715
Gm14	7534847	7534940	Gmdrm	hypo	CHG	-0.2837
Gm14	7544751	7545036	Gmdrm	hypo	CHG	-0.2223
Gm14	7562153	7562263	Gmdrm	hypo	CHG	-0.086
Gm14	7588475	7588638	Gmdrm	hypo	CHG	-0.562
Gm14	7608753	7608961	Gmdrm	hypo	CHG	-0.895

Gm14	7612793	7613202	Gmdrm	hypo	CHG	-0.4048
Gm14	7619446	7619496	Gmdrm	hypo	CHG	-0.5771
Gm14	7624904	7625186	Gmdrm	hypo	CHG	-0.6925
Gm14	7625818	7625916	Gmdrm	hypo	CHG	-0.4013
Gm14	7631389	7632223	Gmdrm	hypo	CHG	-0.7763
Gm14	7636938	7637522	Gmdrm	hypo	CHG	-0.623
Gm14	7640430	7640958	Gmdrm	hypo	CHG	-0.336
Gm14	7646473	7646531	Gmdrm	hypo	CHG	-0.7514
Gm14	7653107	7653416	Gmdrm	hypo	CHG	-0.35
Gm14	7655934	7656165	Gmdrm	hypo	CHG	-0.69
Gm14	7673118	7673483	Gmdrm	hypo	CHG	-0.045
Gm14	7684671	7684810	Gmdrm	hypo	CHG	-0.324
Gm14	7688605	7688805	Gmdrm	hypo	CHG	-0.6473
Gm14	7695426	7695631	Gmdrm	hypo	CHG	-0.6255
Gm14	7712267	7712512	Gmdrm	hypo	CHG	-0.3933
Gm14	7714426	7714555	Gmdrm	hypo	CHG	-0.51
Gm14	7759879	7760126	Gmdrm	hypo	CHG	-0.8833
Gm14	7786893	7787301	Gmdrm	hypo	CHG	-0.4582
Gm14	7788133	7788257	Gmdrm	hypo	CHG	-0.4386
Gm14	7788360	7788434	Gmdrm	hypo	CHG	-0.608
Gm14	7789285	7789572	Gmdrm	hypo	CHG	-0.6871
Gm14	7802587	7802701	Gmdrm	hypo	CHG	-0.7834
Gm14	7803164	7803311	Gmdrm	hypo	CHG	-0.4866
Gm14	7811405	7811654	Gmdrm	hypo	CHG	-0.2925
Gm14	7815735	7815771	Gmdrm	hypo	CHG	-0.0833
Gm14	7815942	7815975	Gmdrm	hypo	CHG	-0.558
Gm14	7834961	7835221	Gmdrm	hypo	CHG	-0.3289
Gm14	7850828	7851076	Gmdrm	hypo	CHG	-0.4325
Gm14	7869920	7870018	Gmdrm	hypo	CHG	-0.3928
Gm14	7876240	7876520	Gmdrm	hypo	CHG	-0.6388
Gm14	7895975	7896153	Gmdrm	hypo	CHG	-0.1733
Gm14	7911331	7911613	Gmdrm	hypo	CHG	-0.3773
Gm14	7914039	7914226	Gmdrm	hypo	CHG	-0.8369
Gm14	7919036	7919090	Gmdrm	hypo	CHG	-0.714
Gm14	7926479	7927053	Gmdrm	hypo	CHG	-0.1683
Gm14	7937638	7937698	Gmdrm	hypo	CHG	-0.814
Gm14	7992009	7992303	Gmdrm	hypo	CHG	-0.3653
Gm14	7995257	7995287	Gmdrm	hypo	CHG	-0.1433
Gm14	8005103	8005445	Gmdrm	hypo	CHG	-0.7556
Gm14	8007523	8007724	Gmdrm	hypo	CHG	-0.674
Gm14	8021783	8021933	Gmdrm	hypo	CHG	-0.474
Gm14	8022054	8022108	Gmdrm	hypo	CHG	-0.6467
Gm14	8022286	8022470	Gmdrm	hypo	CHG	-0.35
Gm14	8060300	8060691	Gmdrm	hypo	CHG	-0.0338
Gm14	8077388	8077418	Gmdrm	hypo	CHG	-0.64
Gm14	8077525	8077620	Gmdrm	hypo	CHG	-0.415

Gm14	8090706	8091147	Gmdrm	hypo	CHG	-0.5377
Gm14	8114315	8114494	Gmdrm	hypo	CHG	-0.05
Gm14	8131551	8131604	Gmdrm	hypo	CHG	-0.107
Gm14	8132059	8132370	Gmdrm	hypo	CHG	-0.3038
Gm14	8151014	8151093	Gmdrm	hypo	CHG	-0.5966
Gm14	8151387	8151526	Gmdrm	hypo	CHG	-0.4585
Gm14	8155904	8156029	Gmdrm	hypo	CHG	-0.5577
Gm14	8156368	8156490	Gmdrm	hypo	CHG	-0.5071
Gm14	8165534	8165920	Gmdrm	hypo	CHG	-0.3855
Gm14	8168206	8168293	Gmdrm	hypo	CHG	-0.08
Gm14	8168422	8168680	Gmdrm	hypo	CHG	-0.3533
Gm14	8195985	8196974	Gmdrm	hypo	CHG	-0.4372
Gm14	8196997	8197707	Gmdrm	hypo	CHG	-0.1677
Gm14	8210875	8211033	Gmdrm	hypo	CHG	-0.2522
Gm14	8212118	8212381	Gmdrm	hypo	CHG	-0.1906
Gm14	8213071	8213174	Gmdrm	hypo	CHG	-0.7184
Gm14	8213537	8213778	Gmdrm	hypo	CHG	-0.8206
Gm14	8222105	8222314	Gmdrm	hypo	CHG	-0.5574
Gm14	8222479	8222621	Gmdrm	hypo	CHG	-0.5636
Gm14	8222881	8223149	Gmdrm	hypo	CHG	-0.799
Gm14	8262004	8262319	Gmdrm	hypo	CHG	-0.5589
Gm14	8262431	8262590	Gmdrm	hypo	CHG	-0.8238
Gm14	8263142	8263259	Gmdrm	hypo	CHG	-0.038
Gm14	8265493	8265625	Gmdrm	hypo	CHG	-0.043
Gm14	8266382	8266626	Gmdrm	hypo	CHG	-0.2791
Gm14	8266904	8267103	Gmdrm	hypo	CHG	-0.2164
Gm14	8295232	8295355	Gmdrm	hypo	CHG	-0.3421
Gm14	8316275	8316478	Gmdrm	hypo	CHG	-0.5934
Gm14	8319217	8319706	Gmdrm	hypo	CHG	-0.6025
Gm14	8335336	8335546	Gmdrm	hypo	CHG	-0.0921
Gm14	8338258	8338453	Gmdrm	hypo	CHG	-0.704
Gm14	8338607	8338703	Gmdrm	hypo	CHG	-0.6143
Gm14	8338804	8338997	Gmdrm	hypo	CHG	-0.5078
Gm14	8353755	8353870	Gmdrm	hypo	CHG	-0.42
Gm14	8354098	8354353	Gmdrm	hypo	CHG	-0.737
Gm14	8354507	8354649	Gmdrm	hypo	CHG	-0.5815
Gm14	8364519	8364652	Gmdrm	hypo	CHG	-0.082
Gm14	8380891	8381127	Gmdrm	hypo	CHG	-0.2611
Gm14	8392969	8393038	Gmdrm	hypo	CHG	-0.07
Gm14	8404795	8405084	Gmdrm	hypo	CHG	-0.7789
Gm14	8416460	8417238	Gmdrm	hypo	CHG	-0.2402
Gm14	8417961	8418105	Gmdrm	hypo	CHG	-0.7786
Gm14	8418443	8418624	Gmdrm	hypo	CHG	-0.3485
Gm14	8422481	8422510	Gmdrm	hypo	CHG	-0.624
Gm14	8455296	8455519	Gmdrm	hypo	CHG	-0.66
Gm14	8457699	8457939	Gmdrm	hypo	CHG	-0.376

Gm14	8479165	8479419	Gmdrm	hypo	CHG	-0.285
Gm14	8479582	8479876	Gmdrm	hypo	CHG	-0.3121
Gm14	8485321	8485487	Gmdrm	hypo	CHG	-0.4264
Gm14	8490769	8490959	Gmdrm	hypo	CHG	-0.4691
Gm14	8493615	8493692	Gmdrm	hypo	CHG	-0.448
Gm14	8497490	8497648	Gmdrm	hypo	CHG	-0.8148
Gm14	8497760	8498118	Gmdrm	hypo	CHG	-0.7889
Gm14	8509612	8509877	Gmdrm	hypo	CHG	-0.0766
Gm14	8509994	8510040	Gmdrm	hypo	CHG	-0.094
Gm14	8523062	8523173	Gmdrm	hypo	CHG	-0.05
Gm14	8523285	8524285	Gmdrm	hypo	CHG	-0.0939
Gm14	8543391	8543476	Gmdrm	hypo	CHG	-0.045
Gm14	8572311	8572392	Gmdrm	hypo	CHG	-0.4983
Gm14	8572538	8572623	Gmdrm	hypo	CHG	-0.6016
Gm14	8576513	8576658	Gmdrm	hypo	CHG	-0.5322
Gm14	8615319	8615545	Gmdrm	hypo	CHG	-0.2875
Gm14	8644188	8644255	Gmdrm	hypo	CHG	-0.558
Gm14	8655068	8655682	Gmdrm	hypo	CHG	-0.3148
Gm14	8659070	8659314	Gmdrm	hypo	CHG	-0.42
Gm14	8674886	8674953	Gmdrm	hypo	CHG	-0.645
Gm14	8675579	8675720	Gmdrm	hypo	CHG	-0.086
Gm14	8676602	8676653	Gmdrm	hypo	CHG	-0.394
Gm14	8682091	8682643	Gmdrm	hypo	CHG	-0.27
Gm14	8683688	8683782	Gmdrm	hypo	CHG	-0.4616
Gm14	8683961	8684055	Gmdrm	hypo	CHG	-0.5834
Gm14	8684167	8684587	Gmdrm	hypo	CHG	-0.5826
Gm14	8693310	8693396	Gmdrm	hypo	CHG	-0.82
Gm14	8714624	8714739	Gmdrm	hypo	CHG	-0.5943
Gm14	8715400	8715494	Gmdrm	hypo	CHG	-0.5667
Gm14	8716872	8717148	Gmdrm	hypo	CHG	-0.5514
Gm14	8737056	8737154	Gmdrm	hypo	CHG	-0.83
Gm14	8737511	8737693	Gmdrm	hypo	CHG	-0.5915
Gm14	8740725	8740882	Gmdrm	hypo	CHG	-0.886
Gm14	8757588	8757722	Gmdrm	hypo	CHG	-0.6029
Gm14	8772170	8772200	Gmdrm	hypo	CHG	-0.7083
Gm14	8772824	8773070	Gmdrm	hypo	CHG	-0.2706
Gm14	8779035	8779712	Gmdrm	hypo	CHG	-0.6742
Gm14	8801838	8802572	Gmdrm	hypo	CHG	-0.1505
Gm14	8802677	8803032	Gmdrm	hypo	CHG	-0.2066
Gm14	8809669	8809856	Gmdrm	hypo	CHG	-0.0789
Gm14	8812559	8812622	Gmdrm	hypo	CHG	-0.6763
Gm14	8814112	8814301	Gmdrm	hypo	CHG	-0.5767
Gm14	8828648	8828752	Gmdrm	hypo	CHG	-0.92
Gm14	8829047	8829546	Gmdrm	hypo	CHG	-0.302
Gm14	8833492	8833705	Gmdrm	hypo	CHG	-0.598
Gm14	8836935	8837082	Gmdrm	hypo	CHG	-0.6142

Gm14	8837217	8837311	Gmdrm	hypo	CHG	-0.6288
Gm14	8841682	8841721	Gmdrm	hypo	CHG	-0.0467
Gm14	8851332	8851580	Gmdrm	hypo	CHG	-0.7534
Gm14	8852039	8852254	Gmdrm	hypo	CHG	-0.7214
Gm14	8884290	8884352	Gmdrm	hypo	CHG	-0.8337
Gm14	8884626	8884731	Gmdrm	hypo	CHG	-0.8451
Gm14	8884884	8884940	Gmdrm	hypo	CHG	-0.726
Gm14	8887088	8887287	Gmdrm	hypo	CHG	-0.0429
Gm14	8900506	8900572	Gmdrm	hypo	CHG	-0.7317
Gm14	8900717	8900896	Gmdrm	hypo	CHG	-0.3147
Gm14	8904038	8904179	Gmdrm	hypo	CHG	-0.7375
Gm14	8904317	8904617	Gmdrm	hypo	CHG	-0.645
Gm14	8909780	8910358	Gmdrm	hypo	CHG	-0.1708
Gm14	8920788	8920849	Gmdrm	hypo	CHG	-0.782
Gm14	8926630	8926706	Gmdrm	hypo	CHG	-0.49
Gm14	8927334	8927382	Gmdrm	hypo	CHG	-0.1917
Gm14	8938295	8938420	Gmdrm	hypo	CHG	-0.385
Gm14	8938587	8938734	Gmdrm	hypo	CHG	-0.68
Gm14	8956725	8956897	Gmdrm	hypo	CHG	-0.565
Gm14	8963647	8963762	Gmdrm	hypo	CHG	-0.168
Gm14	8963892	8963980	Gmdrm	hypo	CHG	-0.9117
Gm14	8964233	8964878	Gmdrm	hypo	CHG	-0.6742
Gm14	8976837	8976977	Gmdrm	hypo	CHG	-0.3718
Gm14	8988939	8989346	Gmdrm	hypo	CHG	-0.0387
Gm14	9027167	9027453	Gmdrm	hypo	CHG	-0.0336
Gm14	9032463	9032916	Gmdrm	hypo	CHG	-0.0393
Gm14	9059396	9059527	Gmdrm	hypo	CHG	-0.032
Gm14	9068650	9068785	Gmdrm	hypo	CHG	-0.165
Gm14	9074512	9074670	Gmdrm	hypo	CHG	-0.055
Gm14	9078851	9079365	Gmdrm	hypo	CHG	-0.8372
Gm14	9086157	9086791	Gmdrm	hypo	CHG	-0.3557
Gm14	9094536	9094591	Gmdrm	hypo	CHG	-0.0614
Gm14	9098175	9098254	Gmdrm	hypo	CHG	-0.515
Gm14	9098373	9098400	Gmdrm	hypo	CHG	-0.4986
Gm14	9118126	9118186	Gmdrm	hypo	CHG	-0.914
Gm14	9121269	9121468	Gmdrm	hypo	CHG	-0.6316
Gm14	9121820	9121955	Gmdrm	hypo	CHG	-0.1391
Gm14	9122275	9122497	Gmdrm	hypo	CHG	-0.69
Gm14	9136307	9136465	Gmdrm	hypo	CHG	-0.35
Gm14	9146185	9146258	Gmdrm	hypo	CHG	-0.095
Gm14	9149681	9149732	Gmdrm	hypo	CHG	-0.9133
Gm14	9154557	9154692	Gmdrm	hypo	CHG	-0.0992
Gm14	9159036	9159283	Gmdrm	hypo	CHG	-0.2867
Gm14	9176759	9177026	Gmdrm	hypo	CHG	-0.1535
Gm14	9178454	9178804	Gmdrm	hypo	CHG	-0.3735
Gm14	9184447	9184585	Gmdrm	hypo	CHG	-0.4858

Gm14	9184812	9184958	Gmdrm	hypo	CHG	-0.7714
Gm14	9185119	9185171	Gmdrm	hypo	CHG	-0.66
Gm14	9185330	9185458	Gmdrm	hypo	CHG	-0.83
Gm14	9185574	9185704	Gmdrm	hypo	CHG	-0.753
Gm14	9185862	9186098	Gmdrm	hypo	CHG	-0.8523
Gm14	9199185	9199732	Gmdrm	hypo	CHG	-0.1785
Gm14	9210753	9210939	Gmdrm	hypo	CHG	-0.1745
Gm14	9218651	9219541	Gmdrm	hypo	CHG	-0.1309
Gm14	9229326	9230106	Gmdrm	hypo	CHG	-0.5667
Gm14	9233101	9233148	Gmdrm	hypo	CHG	-0.34
Gm14	9249952	9250180	Gmdrm	hypo	CHG	-0.2614
Gm14	9250749	9251078	Gmdrm	hypo	CHG	-0.4467
Gm14	9251208	9251332	Gmdrm	hypo	CHG	-0.5391
Gm14	9252334	9252460	Gmdrm	hypo	CHG	-0.5746
Gm14	9253092	9253168	Gmdrm	hypo	CHG	-0.899
Gm14	9253316	9253406	Gmdrm	hypo	CHG	-0.0787
Gm14	9256343	9256863	Gmdrm	hypo	CHG	-0.5294
Gm14	9257524	9257686	Gmdrm	hypo	CHG	-0.3633
Gm14	9258726	9258899	Gmdrm	hypo	CHG	-0.2164
Gm14	9261675	9261927	Gmdrm	hypo	CHG	-0.2534
Gm14	9262068	9262390	Gmdrm	hypo	CHG	-0.3775
Gm14	9262510	9263401	Gmdrm	hypo	CHG	-0.4788
Gm14	9263562	9264022	Gmdrm	hypo	CHG	-0.2687
Gm14	9264167	9264264	Gmdrm	hypo	CHG	-0.4338
Gm14	9264877	9265526	Gmdrm	hypo	CHG	-0.3654
Gm14	9265672	9265800	Gmdrm	hypo	CHG	-0.5811
Gm14	9266048	9266221	Gmdrm	hypo	CHG	-0.62
Gm14	9266565	9267066	Gmdrm	hypo	CHG	-0.223
Gm14	9267346	9267441	Gmdrm	hypo	CHG	-0.4383
Gm14	9267931	9268112	Gmdrm	hypo	CHG	-0.2517
Gm14	9268447	9268775	Gmdrm	hypo	CHG	-0.5395
Gm14	9268890	9269578	Gmdrm	hypo	CHG	-0.536
Gm14	9269685	9269925	Gmdrm	hypo	CHG	-0.036
Gm14	9272851	9273087	Gmdrm	hypo	CHG	-0.685
Gm14	9273568	9273897	Gmdrm	hypo	CHG	-0.4558
Gm14	9302366	9302640	Gmdrm	hypo	CHG	-0.422
Gm14	9302799	9302932	Gmdrm	hypo	CHG	-0.424
Gm14	9311174	9311298	Gmdrm	hypo	CHG	-0.858
Gm14	9311918	9312107	Gmdrm	hypo	CHG	-0.3778
Gm14	9328933	9329020	Gmdrm	hypo	CHG	-0.7084
Gm14	9329164	9329525	Gmdrm	hypo	CHG	-0.4311
Gm14	9329701	9329871	Gmdrm	hypo	CHG	-0.8717
Gm14	9336534	9336590	Gmdrm	hypo	CHG	-0.586
Gm14	9336782	9337173	Gmdrm	hypo	CHG	-0.5866
Gm14	9337391	9337626	Gmdrm	hypo	CHG	-0.0517
Gm14	9339301	9340267	Gmdrm	hypo	CHG	-0.2168

Gm14	9340559	9340963	Gmdrm	hypo	CHG	-0.2835
Gm14	9342378	9342511	Gmdrm	hypo	CHG	-0.428
Gm14	9342733	9342762	Gmdrm	hypo	CHG	-0.6429
Gm14	9343138	9343252	Gmdrm	hypo	CHG	-0.5033
Gm14	9362542	9362861	Gmdrm	hypo	CHG	-0.4472
Gm14	9383307	9383401	Gmdrm	hypo	CHG	-0.3429
Gm14	9390754	9390858	Gmdrm	hypo	CHG	-0.4771
Gm14	9399636	9399912	Gmdrm	hypo	CHG	-0.4543
Gm14	9403198	9403325	Gmdrm	hypo	CHG	-0.2586
Gm14	9403801	9403876	Gmdrm	hypo	CHG	-0.412
Gm14	9411929	9412356	Gmdrm	hypo	CHG	-0.2548
Gm14	9425840	9425980	Gmdrm	hypo	CHG	-0.155
Gm14	9435775	9436093	Gmdrm	hypo	CHG	-0.4077
Gm14	9443582	9443637	Gmdrm	hypo	CHG	-0.8063
Gm14	9451209	9451400	Gmdrm	hypo	CHG	-0.536
Gm14	9464085	9464366	Gmdrm	hypo	CHG	-0.7056
Gm14	9476292	9476383	Gmdrm	hypo	CHG	-0.08
Gm14	9494879	9494955	Gmdrm	hypo	CHG	-0.444
Gm14	9506929	9507188	Gmdrm	hypo	CHG	-0.1222
Gm14	9510454	9510766	Gmdrm	hypo	CHG	-0.129
Gm14	9527455	9527660	Gmdrm	hypo	CHG	-0.262
Gm14	9528291	9528416	Gmdrm	hypo	CHG	-0.334
Gm14	9540373	9540452	Gmdrm	hypo	CHG	-0.344
Gm14	9551700	9551864	Gmdrm	hypo	CHG	-0.0533
Gm14	9642805	9643091	Gmdrm	hypo	CHG	-0.225
Gm14	9667567	9667755	Gmdrm	hypo	CHG	-0.5434
Gm14	9674419	9675399	Gmdrm	hypo	CHG	-0.1521
Gm14	9694235	9694665	Gmdrm	hypo	CHG	-0.0269
Gm14	9694861	9695151	Gmdrm	hypo	CHG	-0.053
Gm14	9698954	9699128	Gmdrm	hypo	CHG	-0.511
Gm14	9706029	9706965	Gmdrm	hypo	CHG	-0.097
Gm14	9721043	9721170	Gmdrm	hypo	CHG	-0.174
Gm14	9721547	9721581	Gmdrm	hypo	CHG	-0.6516
Gm14	9724334	9724792	Gmdrm	hypo	CHG	-0.7296
Gm14	9725544	9725673	Gmdrm	hypo	CHG	-0.3336
Gm14	9725829	9726581	Gmdrm	hypo	CHG	-0.4918
Gm14	9747870	9748201	Gmdrm	hypo	CHG	-0.3923
Gm14	9751160	9751260	Gmdrm	hypo	CHG	-0.6666
Gm14	9763713	9763897	Gmdrm	hypo	CHG	-0.4625
Gm14	9764356	9764540	Gmdrm	hypo	CHG	-0.561
Gm14	9766506	9766559	Gmdrm	hypo	CHG	-0.1783
Gm14	9767636	9768001	Gmdrm	hypo	CHG	-0.17
Gm14	9769505	9769592	Gmdrm	hypo	CHG	-0.345
Gm14	9770808	9770931	Gmdrm	hypo	CHG	-0.58
Gm14	9771139	9771201	Gmdrm	hypo	CHG	-0.0966
Gm14	9777753	9777803	Gmdrm	hypo	CHG	-0.5738

Gm14	9780762	9781041	Gmdrm	hypo	CHG	-0.3355
Gm14	9781307	9781456	Gmdrm	hypo	CHG	-0.5175
Gm14	9785139	9785205	Gmdrm	hypo	CHG	-0.69
Gm14	9785355	9785443	Gmdrm	hypo	CHG	-0.69
Gm14	9820381	9820401	Gmdrm	hypo	CHG	-0.88
Gm14	9831819	9831994	Gmdrm	hypo	CHG	-0.6157
Gm14	9835757	9835921	Gmdrm	hypo	CHG	-0.0267
Gm14	9837859	9837991	Gmdrm	hypo	CHG	-0.44
Gm14	9855775	9855960	Gmdrm	hypo	CHG	-0.864
Gm14	9887647	9887845	Gmdrm	hypo	CHG	-0.655
Gm14	9891583	9891746	Gmdrm	hypo	CHG	-0.3915
Gm14	9920041	9920403	Gmdrm	hypo	CHG	-0.0685
Gm14	9971970	9972116	Gmdrm	hypo	CHG	-0.305
Gm14	9973265	9973445	Gmdrm	hypo	CHG	-0.2611
Gm14	9975606	9975788	Gmdrm	hypo	CHG	-0.7025
Gm14	9986002	9986477	Gmdrm	hypo	CHG	-0.4423
Gm14	9986755	9986816	Gmdrm	hypo	CHG	-0.5911
Gm14	9989464	9989559	Gmdrm	hypo	CHG	-0.9191
Gm14	9989917	9990171	Gmdrm	hypo	CHG	-0.673
Gm14	9992905	9993009	Gmdrm	hypo	CHG	-0.6289
Gm14	9995483	9995693	Gmdrm	hypo	CHG	-0.2981
Gm14	9995814	9995921	Gmdrm	hypo	CHG	-0.3628
Gm14	10015774	10016136	Gmdrm	hypo	CHG	-0.395
Gm14	10017349	10017402	Gmdrm	hypo	CHG	-0.8133
Gm14	10018544	10018593	Gmdrm	hypo	CHG	-0.3643
Gm14	10051765	10051886	Gmdrm	hypo	CHG	-0.056
Gm14	10088359	10088762	Gmdrm	hypo	CHG	-0.5325
Gm14	10088992	10089205	Gmdrm	hypo	CHG	-0.562
Gm14	10089347	10089449	Gmdrm	hypo	CHG	-0.6483
Gm14	10127726	10127911	Gmdrm	hypo	CHG	-0.4338
Gm14	10141066	10141130	Gmdrm	hypo	CHG	-0.146
Gm14	10195568	10195588	Gmdrm	hypo	CHG	-0.1333
Gm14	10245737	10246299	Gmdrm	hypo	CHG	-0.2641
Gm14	10246874	10246927	Gmdrm	hypo	CHG	-0.8084
Gm14	10250255	10250479	Gmdrm	hypo	CHG	-0.41
Gm14	10253224	10253417	Gmdrm	hypo	CHG	-0.118
Gm14	10256717	10256867	Gmdrm	hypo	CHG	-0.0486
Gm14	10277431	10277632	Gmdrm	hypo	CHG	-0.0314
Gm14	10282754	10282851	Gmdrm	hypo	CHG	-0.414
Gm14	10284123	10284334	Gmdrm	hypo	CHG	-0.7695
Gm14	10294706	10294816	Gmdrm	hypo	CHG	-0.064
Gm14	10307150	10307230	Gmdrm	hypo	CHG	-0.1634
Gm14	10310490	10310622	Gmdrm	hypo	CHG	-0.4392
Gm14	10320653	10321643	Gmdrm	hypo	CHG	-0.258
Gm14	10321694	10322057	Gmdrm	hypo	CHG	-0.4659
Gm14	10322236	10322350	Gmdrm	hypo	CHG	-0.2786

Gm14	10322568	10323497	Gmdrm	hypo	CHG	-0.27
Gm14	10330704	10330759	Gmdrm	hypo	CHG	-0.034
Gm14	10331316	10331601	Gmdrm	hypo	CHG	-0.1916
Gm14	10353655	10353691	Gmdrm	hypo	CHG	-0.7
Gm14	10374798	10375198	Gmdrm	hypo	CHG	-0.2669
Gm14	10381510	10381661	Gmdrm	hypo	CHG	-0.09
Gm14	10381770	10381985	Gmdrm	hypo	CHG	-0.6677
Gm14	10382211	10382509	Gmdrm	hypo	CHG	-0.2706
Gm14	10388925	10389237	Gmdrm	hypo	CHG	-0.2228
Gm14	10391414	10391624	Gmdrm	hypo	CHG	-0.843
Gm14	10393503	10393607	Gmdrm	hypo	CHG	-0.3267
Gm14	10399632	10399832	Gmdrm	hypo	CHG	-0.4875
Gm14	10402766	10402899	Gmdrm	hypo	CHG	-0.4066
Gm14	10406277	10406375	Gmdrm	hypo	CHG	-0.8143
Gm14	10409106	10409196	Gmdrm	hypo	CHG	-0.4137
Gm14	10409334	10409592	Gmdrm	hypo	CHG	-0.2331
Gm14	10418594	10418727	Gmdrm	hypo	CHG	-0.4
Gm14	10418907	10419071	Gmdrm	hypo	CHG	-0.26
Gm14	10435062	10435928	Gmdrm	hypo	CHG	-0.1561
Gm14	10442321	10442519	Gmdrm	hypo	CHG	-0.5227
Gm14	10443278	10443525	Gmdrm	hypo	CHG	-0.7138
Gm14	10443847	10444065	Gmdrm	hypo	CHG	-0.0167
Gm14	10512261	10512332	Gmdrm	hypo	CHG	-0.2833
Gm14	10514961	10515154	Gmdrm	hypo	CHG	-0.821
Gm14	10517906	10517975	Gmdrm	hypo	CHG	-0.1583
Gm14	10518193	10518302	Gmdrm	hypo	CHG	-0.2
Gm14	10518404	10518501	Gmdrm	hypo	CHG	-0.78
Gm14	10519197	10519302	Gmdrm	hypo	CHG	-0.5087
Gm14	10548999	10549267	Gmdrm	hypo	CHG	-0.7
Gm14	10549629	10550227	Gmdrm	hypo	CHG	-0.559
Gm14	10550381	10550600	Gmdrm	hypo	CHG	-0.8767
Gm14	10555462	10555734	Gmdrm	hypo	CHG	-0.041
Gm14	10590458	10590758	Gmdrm	hypo	CHG	-0.6127
Gm14	10599153	10599622	Gmdrm	hypo	CHG	-0.365
Gm14	10601680	10601765	Gmdrm	hypo	CHG	-0.6157
Gm14	10631489	10631651	Gmdrm	hypo	CHG	-0.6322
Gm14	10666440	10666679	Gmdrm	hypo	CHG	-0.338
Gm14	10684789	10684931	Gmdrm	hypo	CHG	-0.142
Gm14	10700467	10700539	Gmdrm	hypo	CHG	-0.04
Gm14	10700748	10700868	Gmdrm	hypo	CHG	-0.8272
Gm14	10701272	10701582	Gmdrm	hypo	CHG	-0.7438
Gm14	10710847	10710918	Gmdrm	hypo	CHG	-0.285
Gm14	10711172	10711538	Gmdrm	hypo	CHG	-0.3725
Gm14	10732368	10732539	Gmdrm	hypo	CHG	-0.07
Gm14	10734889	10735633	Gmdrm	hypo	CHG	-0.249
Gm14	10735788	10736772	Gmdrm	hypo	CHG	-0.2198

Gm14	10746486	10747009	Gmdrm	hypo	CHG	-0.189
Gm14	10747170	10747268	Gmdrm	hypo	CHG	-0.2983
Gm14	10756366	10756887	Gmdrm	hypo	CHG	-0.3824
Gm14	10757062	10757349	Gmdrm	hypo	CHG	-0.4684
Gm14	10758116	10758680	Gmdrm	hypo	CHG	-0.2781
Gm14	10883193	10883228	Gmdrm	hypo	CHG	-0.6333
Gm14	10924646	10924890	Gmdrm	hypo	CHG	-0.3379
Gm14	10943177	10943447	Gmdrm	hypo	CHG	-0.1337
Gm14	10957750	10957928	Gmdrm	hypo	CHG	-0.041
Gm14	10961097	10961164	Gmdrm	hypo	CHG	-0.4729
Gm14	10962169	10962387	Gmdrm	hypo	CHG	-0.35
Gm14	10963933	10964743	Gmdrm	hypo	CHG	-0.4188
Gm14	10966311	10966458	Gmdrm	hypo	CHG	-0.3957
Gm14	10980618	10980874	Gmdrm	hypo	CHG	-0.2524
Gm14	10994082	10994616	Gmdrm	hypo	CHG	-0.1119
Gm14	11005706	11005900	Gmdrm	hypo	CHG	-0.0483
Gm14	11040752	11040904	Gmdrm	hypo	CHG	-0.3585
Gm14	11041056	11041167	Gmdrm	hypo	CHG	-0.2757
Gm14	11041271	11041754	Gmdrm	hypo	CHG	-0.0785
Gm14	11061101	11061136	Gmdrm	hypo	CHG	-0.21
Gm14	11076367	11076525	Gmdrm	hypo	CHG	-0.52
Gm14	11076740	11076993	Gmdrm	hypo	CHG	-0.4914
Gm14	11117828	11118095	Gmdrm	hypo	CHG	-0.3972
Gm14	11118236	11118491	Gmdrm	hypo	CHG	-0.0589
Gm14	11119759	11120008	Gmdrm	hypo	CHG	-0.6373
Gm14	11122809	11122959	Gmdrm	hypo	CHG	-0.2925
Gm14	11149297	11149542	Gmdrm	hypo	CHG	-0.0489
Gm14	11160907	11161294	Gmdrm	hypo	CHG	-0.3395
Gm14	11162644	11162662	Gmdrm	hypo	CHG	-0.0466
Gm14	11185695	11185822	Gmdrm	hypo	CHG	-0.273
Gm14	11206977	11207097	Gmdrm	hypo	CHG	-0.1137
Gm14	11290943	11291149	Gmdrm	hypo	CHG	-0.2095
Gm14	11300826	11300955	Gmdrm	hypo	CHG	-0.4414
Gm14	11301150	11301241	Gmdrm	hypo	CHG	-0.7043
Gm14	11339712	11339791	Gmdrm	hypo	CHG	-0.72
Gm14	11339902	11340249	Gmdrm	hypo	CHG	-0.8366
Gm14	11340445	11340659	Gmdrm	hypo	CHG	-0.318
Gm14	11342531	11342555	Gmdrm	hypo	CHG	-0.14
Gm14	11360058	11360460	Gmdrm	hypo	CHG	-0.204
Gm14	11360867	11360958	Gmdrm	hypo	CHG	-0.6026
Gm14	11365173	11365386	Gmdrm	hypo	CHG	-0.3377
Gm14	11469406	11469574	Gmdrm	hypo	CHG	-0.1938
Gm14	11485927	11486096	Gmdrm	hypo	CHG	-0.365
Gm14	11487795	11487853	Gmdrm	hypo	CHG	-0.468
Gm14	11488112	11488460	Gmdrm	hypo	CHG	-0.6488
Gm14	11489016	11489040	Gmdrm	hypo	CHG	-0.4284

Gm14	11489160	11489321	Gmdrm	hypo	CHG	-0.3743
Gm14	11504385	11504456	Gmdrm	hypo	CHG	-0.39
Gm14	11504750	11504895	Gmdrm	hypo	CHG	-0.3609
Gm14	11505112	11505282	Gmdrm	hypo	CHG	-0.68
Gm14	11506521	11506743	Gmdrm	hypo	CHG	-0.8272
Gm14	11507502	11507592	Gmdrm	hypo	CHG	-0.718
Gm14	11514392	11514545	Gmdrm	hypo	CHG	-0.61
Gm14	11520840	11521071	Gmdrm	hypo	CHG	-0.5083
Gm14	11522287	11522556	Gmdrm	hypo	CHG	-0.4957
Gm14	11522808	11522889	Gmdrm	hypo	CHG	-0.5113
Gm14	11525315	11525548	Gmdrm	hypo	CHG	-0.4383
Gm14	11578306	11578531	Gmdrm	hypo	CHG	-0.0846
Gm14	11578704	11578954	Gmdrm	hypo	CHG	-0.1839
Gm14	11579222	11579614	Gmdrm	hypo	CHG	-0.3227
Gm14	11582632	11582837	Gmdrm	hypo	CHG	-0.2645
Gm14	11583294	11583684	Gmdrm	hypo	CHG	-0.2844
Gm14	11600575	11600971	Gmdrm	hypo	CHG	-0.0463
Gm14	11604216	11604457	Gmdrm	hypo	CHG	-0.038
Gm14	11604801	11605288	Gmdrm	hypo	CHG	-0.1113
Gm14	11653181	11653546	Gmdrm	hypo	CHG	-0.3057
Gm14	11658522	11658680	Gmdrm	hypo	CHG	-0.55
Gm14	11669714	11669838	Gmdrm	hypo	CHG	-0.605
Gm14	11729695	11729738	Gmdrm	hypo	CHG	-0.2412
Gm14	11781620	11781766	Gmdrm	hypo	CHG	-0.07
Gm14	11822191	11822261	Gmdrm	hypo	CHG	-0.048
Gm14	11873268	11873589	Gmdrm	hypo	CHG	-0.1164
Gm14	11902241	11902262	Gmdrm	hypo	CHG	-0.2584
Gm14	12000026	12000211	Gmdrm	hypo	CHG	-0.4467
Gm14	12172740	12173118	Gmdrm	hypo	CHG	-0.5683
Gm14	12201321	12201736	Gmdrm	hypo	CHG	-0.3287
Gm14	12202301	12202612	Gmdrm	hypo	CHG	-0.2256
Gm14	12253238	12253352	Gmdrm	hypo	CHG	-0.745
Gm14	12253668	12253791	Gmdrm	hypo	CHG	-0.2233
Gm14	12255929	12256031	Gmdrm	hypo	CHG	-0.648
Gm14	12256536	12256740	Gmdrm	hypo	CHG	-0.32
Gm14	12256883	12256983	Gmdrm	hypo	CHG	-0.4017
Gm14	12278436	12278536	Gmdrm	hypo	CHG	-0.7786
Gm14	12302298	12302438	Gmdrm	hypo	CHG	-0.3857
Gm14	12370710	12371182	Gmdrm	hypo	CHG	-0.1444
Gm14	12387844	12387991	Gmdrm	hypo	CHG	-0.31
Gm14	12399497	12399811	Gmdrm	hypo	CHG	-0.5323
Gm14	12462413	12462557	Gmdrm	hypo	CHG	-0.5082
Gm14	12466302	12466373	Gmdrm	hypo	CHG	-0.4434
Gm14	12509872	12509950	Gmdrm	hypo	CHG	-0.585
Gm14	12530872	12530931	Gmdrm	hypo	CHG	-0.1933
Gm14	12545784	12545950	Gmdrm	hypo	CHG	-0.1735

Gm14	12610472	12611144	Gmdrm	hypo	CHG	-0.171
Gm14	12612727	12613116	Gmdrm	hypo	CHG	-0.346
Gm14	12648417	12648576	Gmdrm	hypo	CHG	-0.4815
Gm14	12685052	12685382	Gmdrm	hypo	CHG	-0.0517
Gm14	12690576	12690666	Gmdrm	hypo	CHG	-0.16
Gm14	12700728	12700835	Gmdrm	hypo	CHG	-0.054
Gm14	12701592	12701611	Gmdrm	hypo	CHG	-0.6733
Gm14	12704107	12704385	Gmdrm	hypo	CHG	-0.3019
Gm14	12713153	12713336	Gmdrm	hypo	CHG	-0.51
Gm14	12760991	12761037	Gmdrm	hypo	CHG	-0.3572
Gm14	12772288	12772440	Gmdrm	hypo	CHG	-0.63
Gm14	12774528	12774639	Gmdrm	hypo	CHG	-0.214
Gm14	12776454	12776707	Gmdrm	hypo	CHG	-0.4753
Gm14	12811382	12811449	Gmdrm	hypo	CHG	-0.76
Gm14	12811583	12812002	Gmdrm	hypo	CHG	-0.4177
Gm14	12833131	12833332	Gmdrm	hypo	CHG	-0.6792
Gm14	12833913	12834075	Gmdrm	hypo	CHG	-0.2253
Gm14	12836094	12836161	Gmdrm	hypo	CHG	-0.2019
Gm14	12836294	12836656	Gmdrm	hypo	CHG	-0.378
Gm14	12840974	12841255	Gmdrm	hypo	CHG	-0.1744
Gm14	12847969	12848048	Gmdrm	hypo	CHG	-0.4129
Gm14	12859274	12859777	Gmdrm	hypo	CHG	-0.7538
Gm14	12860858	12860937	Gmdrm	hypo	CHG	-0.6688
Gm14	12861388	12861699	Gmdrm	hypo	CHG	-0.7807
Gm14	12870518	12870786	Gmdrm	hypo	CHG	-0.2839
Gm14	12895291	12895387	Gmdrm	hypo	CHG	-0.1086
Gm14	12895555	12895984	Gmdrm	hypo	CHG	-0.3412
Gm14	12919659	12919737	Gmdrm	hypo	CHG	-0.675
Gm14	12921701	12922026	Gmdrm	hypo	CHG	-0.6409
Gm14	12924087	12924171	Gmdrm	hypo	CHG	-0.778
Gm14	12924277	12924710	Gmdrm	hypo	CHG	-0.401
Gm14	12927648	12928070	Gmdrm	hypo	CHG	-0.6445
Gm14	12931745	12931923	Gmdrm	hypo	CHG	-0.645
Gm14	12932036	12932173	Gmdrm	hypo	CHG	-0.4328
Gm14	12938015	12938490	Gmdrm	hypo	CHG	-0.1459
Gm14	12938703	12939360	Gmdrm	hypo	CHG	-0.4661
Gm14	12942618	12943533	Gmdrm	hypo	CHG	-0.5467
Gm14	12943908	12944017	Gmdrm	hypo	CHG	-0.4571
Gm14	12945559	12945701	Gmdrm	hypo	CHG	-0.5063
Gm14	12945907	12945987	Gmdrm	hypo	CHG	-0.586
Gm14	12966638	12966911	Gmdrm	hypo	CHG	-0.152
Gm14	12981053	12981131	Gmdrm	hypo	CHG	-0.41
Gm14	12989083	12989278	Gmdrm	hypo	CHG	-0.7
Gm14	13041735	13041794	Gmdrm	hypo	CHG	-0.5517
Gm14	13042133	13042281	Gmdrm	hypo	CHG	-0.476
Gm14	13047012	13047450	Gmdrm	hypo	CHG	-0.2993

Gm14	13056139	13056549	Gmdrm	hypo	CHG	-0.65
Gm14	13098151	13098201	Gmdrm	hypo	CHG	-0.39
Gm14	13101565	13101764	Gmdrm	hypo	CHG	-0.3644
Gm14	13103507	13103760	Gmdrm	hypo	CHG	-0.6014
Gm14	13121474	13121662	Gmdrm	hypo	CHG	-0.1164
Gm14	13154144	13154330	Gmdrm	hypo	CHG	-0.8833
Gm14	13154754	13154862	Gmdrm	hypo	CHG	-0.464
Gm14	13168108	13169097	Gmdrm	hypo	CHG	-0.3115
Gm14	13176325	13176543	Gmdrm	hypo	CHG	-0.1175
Gm14	13177947	13178089	Gmdrm	hypo	CHG	-0.1333
Gm14	13181991	13182946	Gmdrm	hypo	CHG	-0.1934
Gm14	13194465	13195117	Gmdrm	hypo	CHG	-0.2195
Gm14	13198618	13198961	Gmdrm	hypo	CHG	-0.7855
Gm14	13206182	13206501	Gmdrm	hypo	CHG	-0.4711
Gm14	13209701	13210022	Gmdrm	hypo	CHG	-0.3567
Gm14	13210299	13210574	Gmdrm	hypo	CHG	-0.5009
Gm14	13212893	13212990	Gmdrm	hypo	CHG	-0.5234
Gm14	13213541	13213668	Gmdrm	hypo	CHG	-0.4975
Gm14	13232303	13232491	Gmdrm	hypo	CHG	-0.536
Gm14	13327524	13327661	Gmdrm	hypo	CHG	-0.1611
Gm14	13330315	13330517	Gmdrm	hypo	CHG	-0.0367
Gm14	13373032	13373064	Gmdrm	hypo	CHG	-0.905
Gm14	13375681	13375721	Gmdrm	hypo	CHG	-0.8133
Gm14	13375917	13376179	Gmdrm	hypo	CHG	-0.4786
Gm14	13383447	13383571	Gmdrm	hypo	CHG	-0.345
Gm14	13429398	13429449	Gmdrm	hypo	CHG	-0.8283
Gm14	13524052	13524385	Gmdrm	hypo	CHG	-0.5606
Gm14	13542268	13542484	Gmdrm	hypo	CHG	-0.8014
Gm14	13543242	13543434	Gmdrm	hypo	CHG	-0.3638
Gm14	13543562	13543758	Gmdrm	hypo	CHG	-0.3613
Gm14	13543921	13544489	Gmdrm	hypo	CHG	-0.634
Gm14	13545269	13545345	Gmdrm	hypo	CHG	-0.034
Gm14	13555420	13556112	Gmdrm	hypo	CHG	-0.1319
Gm14	13591850	13592478	Gmdrm	hypo	CHG	-0.3195
Gm14	13611254	13611314	Gmdrm	hypo	CHG	-0.675
Gm14	13613675	13613898	Gmdrm	hypo	CHG	-0.3872
Gm14	13614000	13614093	Gmdrm	hypo	CHG	-0.828
Gm14	13627802	13627875	Gmdrm	hypo	CHG	-0.14
Gm14	13629427	13629696	Gmdrm	hypo	CHG	-0.7217
Gm14	13648324	13648915	Gmdrm	hypo	CHG	-0.2953
Gm14	13663017	13663135	Gmdrm	hypo	CHG	-0.64
Gm14	13677647	13677744	Gmdrm	hypo	CHG	-0.626
Gm14	13725165	13725232	Gmdrm	hypo	CHG	-0.4
Gm14	13743655	13743746	Gmdrm	hypo	CHG	-0.066
Gm14	13748141	13748616	Gmdrm	hypo	CHG	-0.1762
Gm14	13757252	13757687	Gmdrm	hypo	CHG	-0.1727

Gm14	13757893	13758444	Gmdrm	hypo	CHG	-0.2612
Gm14	13759358	13759524	Gmdrm	hypo	CHG	-0.485
Gm14	13759681	13759874	Gmdrm	hypo	CHG	-0.4
Gm14	13779388	13779606	Gmdrm	hypo	CHG	-0.185
Gm14	13794373	13794493	Gmdrm	hypo	CHG	-0.4685
Gm14	13794822	13795143	Gmdrm	hypo	CHG	-0.639
Gm14	13804151	13804310	Gmdrm	hypo	CHG	-0.3412
Gm14	13821217	13821410	Gmdrm	hypo	CHG	-0.4287
Gm14	13856733	13857181	Gmdrm	hypo	CHG	-0.2196
Gm14	13857292	13857836	Gmdrm	hypo	CHG	-0.3356
Gm14	13868276	13869061	Gmdrm	hypo	CHG	-0.1711
Gm14	13898157	13898737	Gmdrm	hypo	CHG	-0.4782
Gm14	13940920	13941174	Gmdrm	hypo	CHG	-0.4076
Gm14	13969760	13969858	Gmdrm	hypo	CHG	-0.4716
Gm14	13969971	13970284	Gmdrm	hypo	CHG	-0.3411
Gm14	13981994	13982135	Gmdrm	hypo	CHG	-0.535
Gm14	13993232	13993585	Gmdrm	hypo	CHG	-0.494
Gm14	13994399	13994473	Gmdrm	hypo	CHG	-0.21
Gm14	13995003	13995332	Gmdrm	hypo	CHG	-0.2727
Gm14	13995861	13996656	Gmdrm	hypo	CHG	-0.3244
Gm14	14006452	14006626	Gmdrm	hypo	CHG	-0.482
Gm14	14009306	14009647	Gmdrm	hypo	CHG	-0.68
Gm14	14023358	14023544	Gmdrm	hypo	CHG	-0.3766
Gm14	14025522	14025845	Gmdrm	hypo	CHG	-0.5329
Gm14	14050379	14050676	Gmdrm	hypo	CHG	-0.3545
Gm14	14064010	14064033	Gmdrm	hypo	CHG	-0.04
Gm14	14121600	14122018	Gmdrm	hypo	CHG	-0.4459
Gm14	14164425	14164647	Gmdrm	hypo	CHG	-0.3106
Gm14	14165704	14165814	Gmdrm	hypo	CHG	-0.4445
Gm14	14185067	14185321	Gmdrm	hypo	CHG	-0.4156
Gm14	14232585	14232800	Gmdrm	hypo	CHG	-0.2562
Gm14	14241600	14241863	Gmdrm	hypo	CHG	-0.3027
Gm14	14253709	14253855	Gmdrm	hypo	CHG	-0.3275
Gm14	14256325	14256492	Gmdrm	hypo	CHG	-0.2957
Gm14	14265390	14265577	Gmdrm	hypo	CHG	-0.862
Gm14	14266152	14266370	Gmdrm	hypo	CHG	-0.6989
Gm14	14273223	14273300	Gmdrm	hypo	CHG	-0.6533
Gm14	14316205	14316653	Gmdrm	hypo	CHG	-0.5993
Gm14	14316812	14316957	Gmdrm	hypo	CHG	-0.7658
Gm14	14335381	14335560	Gmdrm	hypo	CHG	-0.53
Gm14	14344119	14344375	Gmdrm	hypo	CHG	-0.504
Gm14	14383794	14383822	Gmdrm	hypo	CHG	-0.1654
Gm14	14387378	14387476	Gmdrm	hypo	CHG	-0.204
Gm14	14389494	14389635	Gmdrm	hypo	CHG	-0.351
Gm14	14393937	14394277	Gmdrm	hypo	CHG	-0.5464
Gm14	14458241	14458369	Gmdrm	hypo	CHG	-0.3833

Gm14	14458667	14458759	Gmdrm	hypo	CHG	-0.1533
Gm14	14458865	14459122	Gmdrm	hypo	CHG	-0.7654
Gm14	14459235	14459463	Gmdrm	hypo	CHG	-0.655
Gm14	14461842	14461911	Gmdrm	hypo	CHG	-0.3916
Gm14	14462035	14462218	Gmdrm	hypo	CHG	-0.232
Gm14	14477444	14477735	Gmdrm	hypo	CHG	-0.3917
Gm14	14486706	14486919	Gmdrm	hypo	CHG	-0.3
Gm14	14490568	14491052	Gmdrm	hypo	CHG	-0.5744
Gm14	14495544	14495644	Gmdrm	hypo	CHG	-0.422
Gm14	14497606	14497859	Gmdrm	hypo	CHG	-0.2314
Gm14	14497963	14498254	Gmdrm	hypo	CHG	-0.138
Gm14	14501183	14501401	Gmdrm	hypo	CHG	-0.3278
Gm14	14501574	14501678	Gmdrm	hypo	CHG	-0.6917
Gm14	14517745	14517966	Gmdrm	hypo	CHG	-0.34
Gm14	14520240	14520418	Gmdrm	hypo	CHG	-0.4433
Gm14	14526985	14527183	Gmdrm	hypo	CHG	-0.2719
Gm14	14565188	14565299	Gmdrm	hypo	CHG	-0.5837
Gm14	14565412	14565452	Gmdrm	hypo	CHG	-0.3512
Gm14	14567036	14567609	Gmdrm	hypo	CHG	-0.0425
Gm14	14709525	14709559	Gmdrm	hypo	CHG	-0.3338
Gm14	14723323	14723399	Gmdrm	hypo	CHG	-0.0567
Gm14	14723667	14723878	Gmdrm	hypo	CHG	-0.18
Gm14	14940270	14940359	Gmdrm	hypo	CHG	-0.6012
Gm14	15863471	15863604	Gmdrm	hypo	CHG	-0.1533
Gm14	15863748	15864293	Gmdrm	hypo	CHG	-0.6085
Gm14	15864445	15864483	Gmdrm	hypo	CHG	-0.4817
Gm14	15866847	15867220	Gmdrm	hypo	CHG	-0.2019
Gm14	15868495	15868608	Gmdrm	hypo	CHG	-0.5764
Gm14	15868915	15869309	Gmdrm	hypo	CHG	-0.6881
Gm14	15924143	15924386	Gmdrm	hypo	CHG	-0.3454
Gm14	15976863	15977032	Gmdrm	hypo	CHG	-0.1878
Gm14	15977922	15978348	Gmdrm	hypo	CHG	-0.3458
Gm14	16036428	16036608	Gmdrm	hypo	CHG	-0.2186
Gm14	16088906	16088949	Gmdrm	hypo	CHG	-0.3983
Gm14	16127787	16128149	Gmdrm	hypo	CHG	-0.2464
Gm14	16143408	16143482	Gmdrm	hypo	CHG	-0.41
Gm14	16181973	16182046	Gmdrm	hypo	CHG	-0.7583
Gm14	16193804	16193992	Gmdrm	hypo	CHG	-0.3112
Gm14	16266728	16266769	Gmdrm	hypo	CHG	-0.814
Gm14	16272258	16272388	Gmdrm	hypo	CHG	-0.47
Gm14	16372001	16372137	Gmdrm	hypo	CHG	-0.1295
Gm14	16379210	16379357	Gmdrm	hypo	CHG	-0.5
Gm14	16382130	16382557	Gmdrm	hypo	CHG	-0.41
Gm14	16383495	16383764	Gmdrm	hypo	CHG	-0.2281
Gm14	16403304	16403505	Gmdrm	hypo	CHG	-0.0751
Gm14	16403956	16404003	Gmdrm	hypo	CHG	-0.544

Gm14	16404961	16405112	Gmdrm	hypo	CHG	-0.7414
Gm14	16407959	16408106	Gmdrm	hypo	CHG	-0.095
Gm14	16408212	16408447	Gmdrm	hypo	CHG	-0.4536
Gm14	16451064	16451259	Gmdrm	hypo	CHG	-0.572
Gm14	16454444	16454739	Gmdrm	hypo	CHG	-0.3218
Gm14	16463301	16463383	Gmdrm	hypo	CHG	-0.286
Gm14	16570241	16570539	Gmdrm	hypo	CHG	-0.668
Gm14	16571577	16571837	Gmdrm	hypo	CHG	-0.0537
Gm14	16701401	16702213	Gmdrm	hypo	CHG	-0.1928
Gm14	16977365	16977439	Gmdrm	hypo	CHG	-0.452
Gm14	17002340	17002468	Gmdrm	hypo	CHG	-0.0457
Gm14	17002688	17003510	Gmdrm	hypo	CHG	-0.2608
Gm14	17041254	17041341	Gmdrm	hypo	CHG	-0.6437
Gm14	17048008	17048032	Gmdrm	hypo	CHG	-0.3263
Gm14	17048679	17048739	Gmdrm	hypo	CHG	-0.726
Gm14	17266640	17266827	Gmdrm	hypo	CHG	-0.155
Gm14	17266934	17266994	Gmdrm	hypo	CHG	-0.1193
Gm14	17268361	17268410	Gmdrm	hypo	CHG	-0.1734
Gm14	17269695	17270665	Gmdrm	hypo	CHG	-0.184
Gm14	17273476	17273887	Gmdrm	hypo	CHG	-0.0455
Gm14	17281150	17281338	Gmdrm	hypo	CHG	-0.839
Gm14	17286477	17286758	Gmdrm	hypo	CHG	-0.0375
Gm14	17393034	17393419	Gmdrm	hypo	CHG	-0.4669
Gm14	17473593	17473702	Gmdrm	hypo	CHG	-0.1425
Gm14	17533958	17534484	Gmdrm	hypo	CHG	-0.515
Gm14	17544031	17544421	Gmdrm	hypo	CHG	-0.0357
Gm14	17569647	17569726	Gmdrm	hypo	CHG	-0.35
Gm14	17669204	17670193	Gmdrm	hypo	CHG	-0.18
Gm14	17672173	17673167	Gmdrm	hypo	CHG	-0.1626
Gm14	17682308	17682592	Gmdrm	hypo	CHG	-0.2483
Gm14	17685935	17686041	Gmdrm	hypo	CHG	-0.0411
Gm14	17687944	17688092	Gmdrm	hypo	CHG	-0.3428
Gm14	17688486	17688871	Gmdrm	hypo	CHG	-0.3016
Gm14	17689108	17689480	Gmdrm	hypo	CHG	-0.3567
Gm14	17690618	17690697	Gmdrm	hypo	CHG	-0.3214
Gm14	17691045	17691385	Gmdrm	hypo	CHG	-0.425
Gm14	17696382	17697257	Gmdrm	hypo	CHG	-0.3316
Gm14	17706973	17707076	Gmdrm	hypo	CHG	-0.4417
Gm14	17707560	17707781	Gmdrm	hypo	CHG	-0.052
Gm14	17714797	17715243	Gmdrm	hypo	CHG	-0.0336
Gm14	17732367	17733365	Gmdrm	hypo	CHG	-0.3859
Gm14	17733401	17733516	Gmdrm	hypo	CHG	-0.3282
Gm14	17734741	17735732	Gmdrm	hypo	CHG	-0.1886
Gm14	17735811	17736226	Gmdrm	hypo	CHG	-0.2582
Gm14	17740532	17741171	Gmdrm	hypo	CHG	-0.1361
Gm14	17745048	17745766	Gmdrm	hypo	CHG	-0.1605

Gm14	17751035	17751956	Gmdrm	hypo	CHG	-0.2408
Gm14	17759903	17760076	Gmdrm	hypo	CHG	-0.12
Gm14	17760415	17761383	Gmdrm	hypo	CHG	-0.1733
Gm14	17766395	17766439	Gmdrm	hypo	CHG	-0.122
Gm14	17767563	17768530	Gmdrm	hypo	CHG	-0.1779
Gm14	17771657	17772656	Gmdrm	hypo	CHG	-0.3343
Gm14	17773782	17774779	Gmdrm	hypo	CHG	-0.1111
Gm14	17778024	17778182	Gmdrm	hypo	CHG	-0.0657
Gm14	17778324	17778447	Gmdrm	hypo	CHG	-0.42
Gm14	17778557	17779530	Gmdrm	hypo	CHG	-0.0911
Gm14	17788204	17788526	Gmdrm	hypo	CHG	-0.21
Gm14	17789230	17790004	Gmdrm	hypo	CHG	-0.0992
Gm14	17790116	17790875	Gmdrm	hypo	CHG	-0.2773
Gm14	17795885	17796111	Gmdrm	hypo	CHG	-0.085
Gm14	17798207	17798424	Gmdrm	hypo	CHG	-0.0627
Gm14	17800607	17801607	Gmdrm	hypo	CHG	-0.6344
Gm14	17801621	17802089	Gmdrm	hypo	CHG	-0.8084
Gm14	17802212	17802649	Gmdrm	hypo	CHG	-0.7012
Gm14	17802760	17803715	Gmdrm	hypo	CHG	-0.5244
Gm14	17803774	17804758	Gmdrm	hypo	CHG	-0.2649
Gm14	17804780	17805478	Gmdrm	hypo	CHG	-0.3083
Gm14	17806012	17806311	Gmdrm	hypo	CHG	-0.0906
Gm14	17809831	17809986	Gmdrm	hypo	CHG	-0.5112
Gm14	17884206	17884265	Gmdrm	hypo	CHG	-0.71
Gm14	17892674	17892784	Gmdrm	hypo	CHG	-0.8067
Gm14	17892955	17893190	Gmdrm	hypo	CHG	-0.827
Gm14	17973464	17973736	Gmdrm	hypo	CHG	-0.0383
Gm14	18025839	18026216	Gmdrm	hypo	CHG	-0.1512
Gm14	18049237	18049561	Gmdrm	hypo	CHG	-0.4161
Gm14	18049864	18049984	Gmdrm	hypo	CHG	-0.5363
Gm14	18050273	18050367	Gmdrm	hypo	CHG	-0.185
Gm14	18050645	18050982	Gmdrm	hypo	CHG	-0.1566
Gm14	18090185	18090527	Gmdrm	hypo	CHG	-0.22
Gm14	18113374	18113435	Gmdrm	hypo	CHG	-0.125
Gm14	18164166	18164938	Gmdrm	hypo	CHG	-0.1455
Gm14	18165197	18165429	Gmdrm	hypo	CHG	-0.2206
Gm14	18165531	18165866	Gmdrm	hypo	CHG	-0.2389
Gm14	18177783	18178326	Gmdrm	hypo	CHG	-0.1477
Gm14	18231926	18232187	Gmdrm	hypo	CHG	-0.4589
Gm14	18234059	18234851	Gmdrm	hypo	CHG	-0.3923
Gm14	18235080	18235157	Gmdrm	hypo	CHG	-0.4783
Gm14	18235601	18235879	Gmdrm	hypo	CHG	-0.253
Gm14	18247089	18247519	Gmdrm	hypo	CHG	-0.3438
Gm14	18248942	18249082	Gmdrm	hypo	CHG	-0.7866
Gm14	18319430	18319594	Gmdrm	hypo	CHG	-0.909
Gm14	18324485	18324613	Gmdrm	hypo	CHG	-0.4825

Gm14	18356120	18356374	Gmdrm	hypo	CHG	-0.5382
Gm14	18386539	18386986	Gmdrm	hypo	CHG	-0.0796
Gm14	18391391	18391548	Gmdrm	hypo	CHG	-0.575
Gm14	18397661	18397888	Gmdrm	hypo	CHG	-0.2314
Gm14	18403227	18403358	Gmdrm	hypo	CHG	-0.576
Gm14	18403510	18403932	Gmdrm	hypo	CHG	-0.6383
Gm14	18404180	18404439	Gmdrm	hypo	CHG	-0.3246
Gm14	18405455	18405686	Gmdrm	hypo	CHG	-0.7289
Gm14	18406822	18407084	Gmdrm	hypo	CHG	-0.02
Gm14	18408460	18408555	Gmdrm	hypo	CHG	-0.4462
Gm14	18452500	18452650	Gmdrm	hypo	CHG	-0.17
Gm14	18466416	18466522	Gmdrm	hypo	CHG	-0.6316
Gm14	18466680	18466781	Gmdrm	hypo	CHG	-0.13
Gm14	18468248	18468314	Gmdrm	hypo	CHG	-0.4867
Gm14	18470152	18470257	Gmdrm	hypo	CHG	-0.69
Gm14	18482832	18483088	Gmdrm	hypo	CHG	-0.1766
Gm14	18512829	18513448	Gmdrm	hypo	CHG	-0.4817
Gm14	18524318	18524535	Gmdrm	hypo	CHG	-0.6946
Gm14	18620588	18620870	Gmdrm	hypo	CHG	-0.5706
Gm14	18622211	18622298	Gmdrm	hypo	CHG	-0.1917
Gm14	18657398	18657495	Gmdrm	hypo	CHG	-0.5683
Gm14	18667437	18667514	Gmdrm	hypo	CHG	-0.6128
Gm14	18667671	18667775	Gmdrm	hypo	CHG	-0.623
Gm14	18667941	18668218	Gmdrm	hypo	CHG	-0.6917
Gm14	18668352	18668389	Gmdrm	hypo	CHG	-0.108
Gm14	18669209	18669317	Gmdrm	hypo	CHG	-0.068
Gm14	18671614	18671662	Gmdrm	hypo	CHG	-0.3438
Gm14	18676084	18676258	Gmdrm	hypo	CHG	-0.2839
Gm14	18699888	18700010	Gmdrm	hypo	CHG	-0.4434
Gm14	18700330	18700498	Gmdrm	hypo	CHG	-0.378
Gm14	18730886	18731035	Gmdrm	hypo	CHG	-0.3112
Gm14	18732435	18732472	Gmdrm	hypo	CHG	-0.596
Gm14	18748219	18748234	Gmdrm	hypo	CHG	-0.6283
Gm14	18754763	18754837	Gmdrm	hypo	CHG	-0.7283
Gm14	18755550	18755887	Gmdrm	hypo	CHG	-0.77
Gm14	18760197	18760684	Gmdrm	hypo	CHG	-0.0544
Gm14	18768886	18768964	Gmdrm	hypo	CHG	-0.5917
Gm14	18771852	18772206	Gmdrm	hypo	CHG	-0.1981
Gm14	18918442	18918469	Gmdrm	hypo	CHG	-0.576
Gm14	18944178	18944274	Gmdrm	hypo	CHG	-0.2667
Gm14	19005959	19006201	Gmdrm	hypo	CHG	-0.0557
Gm14	19007342	19007615	Gmdrm	hypo	CHG	-0.101
Gm14	19037147	19037646	Gmdrm	hypo	CHG	-0.3827
Gm14	19037898	19038146	Gmdrm	hypo	CHG	-0.236
Gm14	19070428	19070579	Gmdrm	hypo	CHG	-0.5387
Gm14	19070968	19071060	Gmdrm	hypo	CHG	-0.62

Gm14	19077897	19078117	Gmdrm	hypo	CHG	-0.0583
Gm14	19082164	19082279	Gmdrm	hypo	CHG	-0.3367
Gm14	19082416	19082609	Gmdrm	hypo	CHG	-0.4189
Gm14	19160743	19160768	Gmdrm	hypo	CHG	-0.8414
Gm14	19190727	19191036	Gmdrm	hypo	CHG	-0.0689
Gm14	19191572	19191942	Gmdrm	hypo	CHG	-0.3113
Gm14	19211722	19211775	Gmdrm	hypo	CHG	-0.4784
Gm14	19236965	19237190	Gmdrm	hypo	CHG	-0.3053
Gm14	19237359	19237618	Gmdrm	hypo	CHG	-0.1307
Gm14	19240092	19240200	Gmdrm	hypo	CHG	-0.181
Gm14	19240494	19240810	Gmdrm	hypo	CHG	-0.6064
Gm14	19240950	19241048	Gmdrm	hypo	CHG	-0.7916
Gm14	19251002	19251181	Gmdrm	hypo	CHG	-0.6313
Gm14	19265854	19266185	Gmdrm	hypo	CHG	-0.3536
Gm14	19285478	19285696	Gmdrm	hypo	CHG	-0.3263
Gm14	19286467	19286665	Gmdrm	hypo	CHG	-0.3114
Gm14	19293753	19293870	Gmdrm	hypo	CHG	-0.6067
Gm14	19317087	19317538	Gmdrm	hypo	CHG	-0.0763
Gm14	19345024	19345316	Gmdrm	hypo	CHG	-0.29
Gm14	19358461	19358617	Gmdrm	hypo	CHG	-0.066
Gm14	19460521	19460606	Gmdrm	hypo	CHG	-0.056
Gm14	19461233	19461817	Gmdrm	hypo	CHG	-0.2005
Gm14	19463947	19464010	Gmdrm	hypo	CHG	-0.6917
Gm14	19528251	19528504	Gmdrm	hypo	CHG	-0.1337
Gm14	19530722	19531087	Gmdrm	hypo	CHG	-0.84
Gm14	19570007	19570098	Gmdrm	hypo	CHG	-0.074
Gm14	19585808	19586148	Gmdrm	hypo	CHG	-0.9507
Gm14	19642976	19643303	Gmdrm	hypo	CHG	-0.3068
Gm14	19655174	19655593	Gmdrm	hypo	CHG	-0.3424
Gm14	19724956	19725222	Gmdrm	hypo	CHG	-0.2575
Gm14	19749610	19749766	Gmdrm	hypo	CHG	-0.2064
Gm14	19850083	19850403	Gmdrm	hypo	CHG	-0.495
Gm14	19875647	19875816	Gmdrm	hypo	CHG	-0.046
Gm14	19910724	19910817	Gmdrm	hypo	CHG	-0.38
Gm14	20007926	20008068	Gmdrm	hypo	CHG	-0.0722
Gm14	20039992	20040303	Gmdrm	hypo	CHG	-0.1216
Gm14	20040416	20040727	Gmdrm	hypo	CHG	-0.3842
Gm14	20092606	20092666	Gmdrm	hypo	CHG	-0.5183
Gm14	20092846	20092960	Gmdrm	hypo	CHG	-0.4434
Gm14	20095360	20095870	Gmdrm	hypo	CHG	-0.19
Gm14	20335006	20335136	Gmdrm	hypo	CHG	-0.2783
Gm14	20339976	20340173	Gmdrm	hypo	CHG	-0.5267
Gm14	20539075	20539391	Gmdrm	hypo	CHG	-0.1346
Gm14	20553036	20554023	Gmdrm	hypo	CHG	-0.2391
Gm14	20554088	20554766	Gmdrm	hypo	CHG	-0.2677
Gm14	20567925	20568055	Gmdrm	hypo	CHG	-0.5077

Gm14	20579327	20579487	Gmdrm	hypo	CHG	-0.6771
Gm14	20621628	20622336	Gmdrm	hypo	CHG	-0.7569
Gm14	20622450	20622698	Gmdrm	hypo	CHG	-0.183
Gm14	20637489	20637747	Gmdrm	hypo	CHG	-0.32
Gm14	20823436	20823478	Gmdrm	hypo	CHG	-0.3817
Gm14	20824830	20824976	Gmdrm	hypo	CHG	-0.0683
Gm14	21204299	21204400	Gmdrm	hypo	CHG	-0.0588
Gm14	21210212	21210465	Gmdrm	hypo	CHG	-0.6908
Gm14	21234223	21234358	Gmdrm	hypo	CHG	-0.0962
Gm14	21756176	21756260	Gmdrm	hypo	CHG	-0.056
Gm14	21766911	21767342	Gmdrm	hypo	CHG	-0.4069
Gm14	21940457	21940589	Gmdrm	hypo	CHG	-0.228
Gm14	21993713	21993895	Gmdrm	hypo	CHG	-0.2477
Gm14	22027181	22027268	Gmdrm	hypo	CHG	-0.174
Gm14	22303807	22303998	Gmdrm	hypo	CHG	-0.1487
Gm14	22326683	22326748	Gmdrm	hypo	CHG	-0.37
Gm14	22547989	22548864	Gmdrm	hypo	CHG	-0.2683
Gm14	22549031	22549114	Gmdrm	hypo	CHG	-0.625
Gm14	22549373	22549468	Gmdrm	hypo	CHG	-0.4257
Gm14	22770710	22771185	Gmdrm	hypo	CHG	-0.5761
Gm14	22776022	22776216	Gmdrm	hypo	CHG	-0.0683
Gm14	22778534	22779243	Gmdrm	hypo	CHG	-0.2775
Gm14	22841247	22841413	Gmdrm	hypo	CHG	-0.044
Gm14	22847177	22847293	Gmdrm	hypo	CHG	-0.2661
Gm14	22892586	22892605	Gmdrm	hypo	CHG	-0.4367
Gm14	22909780	22910220	Gmdrm	hypo	CHG	-0.2409
Gm14	23265249	23265319	Gmdrm	hypo	CHG	-0.3383
Gm14	23289791	23289909	Gmdrm	hypo	CHG	-0.0533
Gm14	23292439	23292542	Gmdrm	hypo	CHG	-0.526
Gm14	23292655	23293264	Gmdrm	hypo	CHG	-0.1024
Gm14	23293453	23293653	Gmdrm	hypo	CHG	-0.243
Gm14	23293755	23293826	Gmdrm	hypo	CHG	-0.458
Gm14	23293930	23294753	Gmdrm	hypo	CHG	-0.3777
Gm14	23294905	23295689	Gmdrm	hypo	CHG	-0.1162
Gm14	23301885	23302448	Gmdrm	hypo	CHG	-0.2924
Gm14	23303268	23303882	Gmdrm	hypo	CHG	-0.2616
Gm14	23304308	23305004	Gmdrm	hypo	CHG	-0.4625
Gm14	23394868	23395090	Gmdrm	hypo	CHG	-0.6743
Gm14	23395241	23395392	Gmdrm	hypo	CHG	-0.5229
Gm14	23397184	23397339	Gmdrm	hypo	CHG	-0.4483
Gm14	23407278	23407404	Gmdrm	hypo	CHG	-0.4116
Gm14	23477899	23478006	Gmdrm	hypo	CHG	-0.1414
Gm14	23537328	23537411	Gmdrm	hypo	CHG	-0.3387
Gm14	23559592	23559653	Gmdrm	hypo	CHG	-0.0666
Gm14	23568112	23568874	Gmdrm	hypo	CHG	-0.3118
Gm14	23568978	23569169	Gmdrm	hypo	CHG	-0.19

Gm14	23569778	23570502	Gmdrm	hypo	CHG	-0.1642
Gm14	23570610	23571592	Gmdrm	hypo	CHG	-0.3323
Gm14	23584001	23584354	Gmdrm	hypo	CHG	-0.2121
Gm14	23593546	23593631	Gmdrm	hypo	CHG	-0.4816
Gm14	23666253	23666937	Gmdrm	hypo	CHG	-0.5128
Gm14	23750463	23750606	Gmdrm	hypo	CHG	-0.2766
Gm14	23872251	23872539	Gmdrm	hypo	CHG	-0.139
Gm14	23877716	23877949	Gmdrm	hypo	CHG	-0.0467
Gm14	24181956	24182092	Gmdrm	hypo	CHG	-0.024
Gm14	24224815	24224964	Gmdrm	hypo	CHG	-0.5233
Gm14	24237947	24238201	Gmdrm	hypo	CHG	-0.3025
Gm14	24505592	24505625	Gmdrm	hypo	CHG	-0.765
Gm14	24516073	24516401	Gmdrm	hypo	CHG	-0.173
Gm14	24535016	24535235	Gmdrm	hypo	CHG	-0.3693
Gm14	24535591	24536517	Gmdrm	hypo	CHG	-0.4153
Gm14	24536648	24537201	Gmdrm	hypo	CHG	-0.5045
Gm14	24537579	24538148	Gmdrm	hypo	CHG	-0.4278
Gm14	24547527	24548181	Gmdrm	hypo	CHG	-0.2122
Gm14	24548346	24549333	Gmdrm	hypo	CHG	-0.4331
Gm14	24549403	24550035	Gmdrm	hypo	CHG	-0.2659
Gm14	24610475	24610526	Gmdrm	hypo	CHG	-0.7375
Gm14	24615361	24615560	Gmdrm	hypo	CHG	-0.5556
Gm14	24620664	24621396	Gmdrm	hypo	CHG	-0.2164
Gm14	24624549	24624765	Gmdrm	hypo	CHG	-0.4108
Gm14	24626083	24626260	Gmdrm	hypo	CHG	-0.3911
Gm14	24641530	24641545	Gmdrm	hypo	CHG	-0.8734
Gm14	24668058	24668303	Gmdrm	hypo	CHG	-0.1295
Gm14	24673448	24673658	Gmdrm	hypo	CHG	-0.2529
Gm14	24765678	24765810	Gmdrm	hypo	CHG	-0.212
Gm14	24774271	24774450	Gmdrm	hypo	CHG	-0.2318
Gm14	24776218	24776493	Gmdrm	hypo	CHG	-0.4821
Gm14	24839189	24839520	Gmdrm	hypo	CHG	-0.5139
Gm14	24842420	24842465	Gmdrm	hypo	CHG	-0.4767
Gm14	24931493	24931959	Gmdrm	hypo	CHG	-0.0507
Gm14	24997426	24997837	Gmdrm	hypo	CHG	-0.2766
Gm14	25022766	25023325	Gmdrm	hypo	CHG	-0.1697
Gm14	25117622	25117957	Gmdrm	hypo	CHG	-0.065
Gm14	25125992	25126187	Gmdrm	hypo	CHG	-0.361
Gm14	25268030	25268638	Gmdrm	hypo	CHG	-0.4208
Gm14	25272341	25272545	Gmdrm	hypo	CHG	-0.525
Gm14	25273914	25274398	Gmdrm	hypo	CHG	-0.5822
Gm14	25283920	25284080	Gmdrm	hypo	CHG	-0.608
Gm14	25284548	25284664	Gmdrm	hypo	CHG	-0.17
Gm14	25284774	25284912	Gmdrm	hypo	CHG	-0.0857
Gm14	25288964	25289746	Gmdrm	hypo	CHG	-0.0204
Gm14	25291673	25291818	Gmdrm	hypo	CHG	-0.0263

Gm14	25308334	25308358	Gmdrm	hypo	CHG	-0.2383
Gm14	25308780	25308852	Gmdrm	hypo	CHG	-0.3917
Gm14	25329081	25329307	Gmdrm	hypo	CHG	-0.0857
Gm14	25434521	25434589	Gmdrm	hypo	CHG	-0.4
Gm14	25510133	25510299	Gmdrm	hypo	CHG	-0.1558
Gm14	25535214	25535715	Gmdrm	hypo	CHG	-0.372
Gm14	25539074	25539471	Gmdrm	hypo	CHG	-0.0931
Gm14	25543978	25544450	Gmdrm	hypo	CHG	-0.0317
Gm14	25546354	25546456	Gmdrm	hypo	CHG	-0.08
Gm14	25547414	25547704	Gmdrm	hypo	CHG	-0.1741
Gm14	25598561	25598654	Gmdrm	hypo	CHG	-0.6017
Gm14	25606205	25606812	Gmdrm	hypo	CHG	-0.0782
Gm14	25798264	25798319	Gmdrm	hypo	CHG	-0.388
Gm14	25816038	25816123	Gmdrm	hypo	CHG	-0.525
Gm14	25817670	25817781	Gmdrm	hypo	CHG	-0.751
Gm14	25834576	25834787	Gmdrm	hypo	CHG	-0.6451
Gm14	26008487	26008698	Gmdrm	hypo	CHG	-0.046
Gm14	26017363	26017478	Gmdrm	hypo	CHG	-0.3617
Gm14	26079165	26079484	Gmdrm	hypo	CHG	-0.487
Gm14	26084268	26084893	Gmdrm	hypo	CHG	-0.1423
Gm14	26120017	26120089	Gmdrm	hypo	CHG	-0.4
Gm14	26129752	26130726	Gmdrm	hypo	CHG	-0.078
Gm14	26257128	26257267	Gmdrm	hypo	CHG	-0.4478
Gm14	26257409	26257449	Gmdrm	hypo	CHG	-0.288
Gm14	26319021	26319190	Gmdrm	hypo	CHG	-0.202
Gm14	26385907	26385987	Gmdrm	hypo	CHG	-0.4483
Gm14	26413054	26413110	Gmdrm	hypo	CHG	-0.5883
Gm14	26430743	26431263	Gmdrm	hypo	CHG	-0.3112
Gm14	26433428	26434125	Gmdrm	hypo	CHG	-0.07
Gm14	26464494	26464661	Gmdrm	hypo	CHG	-0.4683
Gm14	26473540	26473809	Gmdrm	hypo	CHG	-0.321
Gm14	26475634	26475855	Gmdrm	hypo	CHG	-0.0472
Gm14	26476014	26476100	Gmdrm	hypo	CHG	-0.3899
Gm14	26476589	26476663	Gmdrm	hypo	CHG	-0.5517
Gm14	26663903	26663922	Gmdrm	hypo	CHG	-0.65
Gm14	26677733	26677957	Gmdrm	hypo	CHG	-0.3866
Gm14	26680959	26681090	Gmdrm	hypo	CHG	-0.3925
Gm14	26810295	26810373	Gmdrm	hypo	CHG	-0.5685
Gm14	26814398	26814767	Gmdrm	hypo	CHG	-0.551
Gm14	26825080	26825209	Gmdrm	hypo	CHG	-0.5562
Gm14	26825631	26825916	Gmdrm	hypo	CHG	-0.3773
Gm14	26892527	26892783	Gmdrm	hypo	CHG	-0.1919
Gm14	26938935	26939067	Gmdrm	hypo	CHG	-0.8237
Gm14	26950033	26950165	Gmdrm	hypo	CHG	-0.7988
Gm14	27064809	27065104	Gmdrm	hypo	CHG	-0.1123
Gm14	27195049	27195246	Gmdrm	hypo	CHG	-0.2566

Gm14	27196388	27196509	Gmdrm	hypo	CHG	-0.4566
Gm14	27197028	27197207	Gmdrm	hypo	CHG	-0.6175
Gm14	27197792	27197973	Gmdrm	hypo	CHG	-0.1544
Gm14	27200865	27201127	Gmdrm	hypo	CHG	-0.572
Gm14	27201255	27201409	Gmdrm	hypo	CHG	-0.052
Gm14	27202381	27202534	Gmdrm	hypo	CHG	-0.0328
Gm14	27213338	27213525	Gmdrm	hypo	CHG	-0.035
Gm14	27240401	27240638	Gmdrm	hypo	CHG	-0.0633
Gm14	27242078	27242941	Gmdrm	hypo	CHG	-0.1752
Gm14	27252508	27252897	Gmdrm	hypo	CHG	-0.6083
Gm14	27325077	27325296	Gmdrm	hypo	CHG	-0.0357
Gm14	27325899	27326258	Gmdrm	hypo	CHG	-0.1562
Gm14	27413674	27413908	Gmdrm	hypo	CHG	-0.0967
Gm14	27726990	27727278	Gmdrm	hypo	CHG	-0.0314
Gm14	27727723	27727880	Gmdrm	hypo	CHG	-0.414
Gm14	27810131	27810190	Gmdrm	hypo	CHG	-0.3975
Gm14	27940977	27941195	Gmdrm	hypo	CHG	-0.4636
Gm14	27995967	27996089	Gmdrm	hypo	CHG	-0.6767
Gm14	27996201	27996416	Gmdrm	hypo	CHG	-0.5575
Gm14	28010149	28010939	Gmdrm	hypo	CHG	-0.1315
Gm14	28022568	28022715	Gmdrm	hypo	CHG	-0.4691
Gm14	28048353	28048457	Gmdrm	hypo	CHG	-0.4243
Gm14	28059176	28059353	Gmdrm	hypo	CHG	-0.39
Gm14	28059656	28059977	Gmdrm	hypo	CHG	-0.446
Gm14	28061347	28061433	Gmdrm	hypo	CHG	-0.1967
Gm14	28066057	28066443	Gmdrm	hypo	CHG	-0.3707
Gm14	28066706	28067152	Gmdrm	hypo	CHG	-0.3687
Gm14	28083240	28083364	Gmdrm	hypo	CHG	-0.384
Gm14	28106842	28107180	Gmdrm	hypo	CHG	-0.0418
Gm14	28108641	28109631	Gmdrm	hypo	CHG	-0.1814
Gm14	28109690	28110210	Gmdrm	hypo	CHG	-0.2065
Gm14	28110322	28110967	Gmdrm	hypo	CHG	-0.3964
Gm14	28111091	28111359	Gmdrm	hypo	CHG	-0.3461
Gm14	28112180	28113153	Gmdrm	hypo	CHG	-0.2197
Gm14	28113216	28113504	Gmdrm	hypo	CHG	-0.3859
Gm14	28113636	28114283	Gmdrm	hypo	CHG	-0.1897
Gm14	28117534	28117714	Gmdrm	hypo	CHG	-0.5475
Gm14	28156495	28157479	Gmdrm	hypo	CHG	-0.2529
Gm14	28157501	28158501	Gmdrm	hypo	CHG	-0.3243
Gm14	28158529	28159241	Gmdrm	hypo	CHG	-0.397
Gm14	28159359	28159731	Gmdrm	hypo	CHG	-0.3764
Gm14	28160261	28160339	Gmdrm	hypo	CHG	-0.2612
Gm14	28165997	28166209	Gmdrm	hypo	CHG	-0.2467
Gm14	28186804	28186944	Gmdrm	hypo	CHG	-0.3528
Gm14	28187105	28187147	Gmdrm	hypo	CHG	-0.1217
Gm14	28189731	28189962	Gmdrm	hypo	CHG	-0.3676

Gm14	28195227	28196215	Gmdrm	hypo	CHG	-0.1446
Gm14	28201794	28202392	Gmdrm	hypo	CHG	-0.1287
Gm14	28202850	28203341	Gmdrm	hypo	CHG	-0.2423
Gm14	28223944	28224107	Gmdrm	hypo	CHG	-0.032
Gm14	28228965	28229160	Gmdrm	hypo	CHG	-0.636
Gm14	28235730	28235866	Gmdrm	hypo	CHG	-0.7744
Gm14	28305854	28306353	Gmdrm	hypo	CHG	-0.1213
Gm14	28348763	28348936	Gmdrm	hypo	CHG	-0.5091
Gm14	28356977	28357079	Gmdrm	hypo	CHG	-0.32
Gm14	28360033	28360307	Gmdrm	hypo	CHG	-0.7245
Gm14	28360464	28360564	Gmdrm	hypo	CHG	-0.46
Gm14	28361710	28362000	Gmdrm	hypo	CHG	-0.4412
Gm14	28369865	28370020	Gmdrm	hypo	CHG	-0.71
Gm14	28374663	28375140	Gmdrm	hypo	CHG	-0.2435
Gm14	28375727	28376291	Gmdrm	hypo	CHG	-0.6877
Gm14	28377298	28377573	Gmdrm	hypo	CHG	-0.495
Gm14	28377794	28378051	Gmdrm	hypo	CHG	-0.3769
Gm14	28378704	28379034	Gmdrm	hypo	CHG	-0.2177
Gm14	28379151	28379280	Gmdrm	hypo	CHG	-0.1843
Gm14	28391468	28391605	Gmdrm	hypo	CHG	-0.6809
Gm14	28423795	28423897	Gmdrm	hypo	CHG	-0.048
Gm14	28424898	28425008	Gmdrm	hypo	CHG	-0.5771
Gm14	28446563	28447189	Gmdrm	hypo	CHG	-0.192
Gm14	28447291	28447519	Gmdrm	hypo	CHG	-0.42
Gm14	28469496	28469996	Gmdrm	hypo	CHG	-0.2074
Gm14	28476583	28477294	Gmdrm	hypo	CHG	-0.2309
Gm14	28490477	28490757	Gmdrm	hypo	CHG	-0.2703
Gm14	28509121	28509321	Gmdrm	hypo	CHG	-0.553
Gm14	28509727	28510029	Gmdrm	hypo	CHG	-0.5742
Gm14	28510146	28510258	Gmdrm	hypo	CHG	-0.318
Gm14	28517430	28517658	Gmdrm	hypo	CHG	-0.3082
Gm14	28523829	28524280	Gmdrm	hypo	CHG	-0.2708
Gm14	28524417	28524714	Gmdrm	hypo	CHG	-0.4925
Gm14	28524831	28524932	Gmdrm	hypo	CHG	-0.08
Gm14	28535050	28535667	Gmdrm	hypo	CHG	-0.4081
Gm14	28535823	28536041	Gmdrm	hypo	CHG	-0.3442
Gm14	28536654	28536793	Gmdrm	hypo	CHG	-0.4217
Gm14	28537442	28537477	Gmdrm	hypo	CHG	-0.416
Gm14	28537746	28538057	Gmdrm	hypo	CHG	-0.3607
Gm14	28550185	28550240	Gmdrm	hypo	CHG	-0.1625
Gm14	28601197	28601629	Gmdrm	hypo	CHG	-0.1468
Gm14	28608516	28608662	Gmdrm	hypo	CHG	-0.8282
Gm14	28615613	28615795	Gmdrm	hypo	CHG	-0.7714
Gm14	28615922	28616012	Gmdrm	hypo	CHG	-0.8533
Gm14	28616126	28616264	Gmdrm	hypo	CHG	-0.5467
Gm14	28616376	28616503	Gmdrm	hypo	CHG	-0.1731

Gm14	28627350	28627482	Gmdrm	hypo	CHG	-0.0429
Gm14	28644302	28644437	Gmdrm	hypo	CHG	-0.566
Gm14	28648197	28648267	Gmdrm	hypo	CHG	-0.5112
Gm14	28649307	28649368	Gmdrm	hypo	CHG	-0.29
Gm14	28659074	28659169	Gmdrm	hypo	CHG	-0.052
Gm14	28660289	28660523	Gmdrm	hypo	CHG	-0.4545
Gm14	28661733	28661879	Gmdrm	hypo	CHG	-0.7873
Gm14	28662034	28662109	Gmdrm	hypo	CHG	-0.6212
Gm14	28663088	28663391	Gmdrm	hypo	CHG	-0.4607
Gm14	28663524	28663813	Gmdrm	hypo	CHG	-0.595
Gm14	28705250	28705314	Gmdrm	hypo	CHG	-0.4333
Gm14	28749445	28749635	Gmdrm	hypo	CHG	-0.55
Gm14	28752824	28753017	Gmdrm	hypo	CHG	-0.595
Gm14	28807668	28807957	Gmdrm	hypo	CHG	-0.0612
Gm14	28862003	28862045	Gmdrm	hypo	CHG	-0.72
Gm14	28862174	28862292	Gmdrm	hypo	CHG	-0.44
Gm14	28950571	28950891	Gmdrm	hypo	CHG	-0.0714
Gm14	28987968	28988088	Gmdrm	hypo	CHG	-0.4515
Gm14	28988236	28988527	Gmdrm	hypo	CHG	-0.3493
Gm14	28997688	28998165	Gmdrm	hypo	CHG	-0.0477
Gm14	29013641	29013881	Gmdrm	hypo	CHG	-0.7184
Gm14	29014067	29014300	Gmdrm	hypo	CHG	-0.2819
Gm14	29017208	29017312	Gmdrm	hypo	CHG	-0.3782
Gm14	29018416	29018456	Gmdrm	hypo	CHG	-0.6283
Gm14	29018764	29018981	Gmdrm	hypo	CHG	-0.4243
Gm14	29068419	29068560	Gmdrm	hypo	CHG	-0.4255
Gm14	29113811	29114115	Gmdrm	hypo	CHG	-0.3063
Gm14	29142802	29142879	Gmdrm	hypo	CHG	-0.6967
Gm14	29146461	29146694	Gmdrm	hypo	CHG	-0.64
Gm14	29146836	29146944	Gmdrm	hypo	CHG	-0.6046
Gm14	29150601	29150671	Gmdrm	hypo	CHG	-0.054
Gm14	29192898	29193477	Gmdrm	hypo	CHG	-0.4488
Gm14	29271299	29271347	Gmdrm	hypo	CHG	-0.0437
Gm14	29369745	29369789	Gmdrm	hypo	CHG	-0.23
Gm14	29371034	29371190	Gmdrm	hypo	CHG	-0.5617
Gm14	29404306	29404436	Gmdrm	hypo	CHG	-0.7237
Gm14	29404759	29404958	Gmdrm	hypo	CHG	-0.4342
Gm14	29406141	29407111	Gmdrm	hypo	CHG	-0.1387
Gm14	29413110	29413150	Gmdrm	hypo	CHG	-0.8514
Gm14	29413407	29413577	Gmdrm	hypo	CHG	-0.5308
Gm14	29424435	29424575	Gmdrm	hypo	CHG	-0.7933
Gm14	29429275	29429469	Gmdrm	hypo	CHG	-0.6233
Gm14	29438817	29439018	Gmdrm	hypo	CHG	-0.164
Gm14	29473976	29474038	Gmdrm	hypo	CHG	-0.1633
Gm14	29474139	29474662	Gmdrm	hypo	CHG	-0.2033
Gm14	29501807	29502198	Gmdrm	hypo	CHG	-0.4753

Gm14	29506749	29507548	Gmdrm	hypo	CHG	-0.3078
Gm14	29522046	29522186	Gmdrm	hypo	CHG	-0.39
Gm14	29536050	29536170	Gmdrm	hypo	CHG	-0.315
Gm14	29547817	29548059	Gmdrm	hypo	CHG	-0.1229
Gm14	29594000	29594203	Gmdrm	hypo	CHG	-0.426
Gm14	29601863	29602226	Gmdrm	hypo	CHG	-0.211
Gm14	29624061	29624607	Gmdrm	hypo	CHG	-0.3574
Gm14	29624957	29625593	Gmdrm	hypo	CHG	-0.2713
Gm14	29626190	29626400	Gmdrm	hypo	CHG	-0.4257
Gm14	29722523	29722601	Gmdrm	hypo	CHG	-0.6612
Gm14	29744581	29745506	Gmdrm	hypo	CHG	-0.1663
Gm14	29815678	29816090	Gmdrm	hypo	CHG	-0.0442
Gm14	29881551	29881674	Gmdrm	hypo	CHG	-0.608
Gm14	29890201	29890310	Gmdrm	hypo	CHG	-0.5262
Gm14	29890583	29890722	Gmdrm	hypo	CHG	-0.7612
Gm14	29890848	29891001	Gmdrm	hypo	CHG	-0.7146
Gm14	29891503	29891796	Gmdrm	hypo	CHG	-0.726
Gm14	29896835	29896897	Gmdrm	hypo	CHG	-0.036
Gm14	29982100	29982796	Gmdrm	hypo	CHG	-0.2977
Gm14	29983900	29984895	Gmdrm	hypo	CHG	-0.1959
Gm14	29984914	29985264	Gmdrm	hypo	CHG	-0.0791
Gm14	29986308	29986481	Gmdrm	hypo	CHG	-0.0814
Gm14	29987815	29987979	Gmdrm	hypo	CHG	-0.0529
Gm14	30000384	30000580	Gmdrm	hypo	CHG	-0.555
Gm14	30080356	30080439	Gmdrm	hypo	CHG	-0.0425
Gm14	30134312	30134582	Gmdrm	hypo	CHG	-0.409
Gm14	30134708	30134877	Gmdrm	hypo	CHG	-0.445
Gm14	30155421	30155779	Gmdrm	hypo	CHG	-0.3094
Gm14	30156012	30156136	Gmdrm	hypo	CHG	-0.054
Gm14	30159131	30159283	Gmdrm	hypo	CHG	-0.6425
Gm14	30160499	30160625	Gmdrm	hypo	CHG	-0.461
Gm14	30202300	30202333	Gmdrm	hypo	CHG	-0.0913
Gm14	30221557	30221753	Gmdrm	hypo	CHG	-0.038
Gm14	30222640	30222739	Gmdrm	hypo	CHG	-0.91
Gm14	30223470	30223656	Gmdrm	hypo	CHG	-0.195
Gm14	30223955	30224516	Gmdrm	hypo	CHG	-0.5392
Gm14	30287300	30288274	Gmdrm	hypo	CHG	-0.2947
Gm14	30288583	30288861	Gmdrm	hypo	CHG	-0.1872
Gm14	30288982	30289071	Gmdrm	hypo	CHG	-0.72
Gm14	30382032	30382368	Gmdrm	hypo	CHG	-0.1487
Gm14	30495740	30495770	Gmdrm	hypo	CHG	-0.234
Gm14	30497948	30497985	Gmdrm	hypo	CHG	-0.07
Gm14	30501475	30501650	Gmdrm	hypo	CHG	-0.342
Gm14	30506872	30507074	Gmdrm	hypo	CHG	-0.6087
Gm14	30511230	30511331	Gmdrm	hypo	CHG	-0.6815
Gm14	30567469	30567602	Gmdrm	hypo	CHG	-0.6115

Gm14	30588769	30588832	Gmdrm	hypo	CHG	-0.3917
Gm14	30632697	30632847	Gmdrm	hypo	CHG	-0.1999
Gm14	30649905	30650137	Gmdrm	hypo	CHG	-0.4443
Gm14	30650776	30650884	Gmdrm	hypo	CHG	-0.7783
Gm14	30747580	30747807	Gmdrm	hypo	CHG	-0.0412
Gm14	30765796	30765900	Gmdrm	hypo	CHG	-0.392
Gm14	30766119	30766276	Gmdrm	hypo	CHG	-0.31
Gm14	30768051	30769015	Gmdrm	hypo	CHG	-0.2659
Gm14	30828714	30828900	Gmdrm	hypo	CHG	-0.0755
Gm14	30836832	30837065	Gmdrm	hypo	CHG	-0.2927
Gm14	30837686	30838010	Gmdrm	hypo	CHG	-0.3307
Gm14	30841407	30841717	Gmdrm	hypo	CHG	-0.7213
Gm14	30842253	30842634	Gmdrm	hypo	CHG	-0.1928
Gm14	30846723	30847041	Gmdrm	hypo	CHG	-0.2285
Gm14	30852336	30852360	Gmdrm	hypo	CHG	-0.3617
Gm14	30866756	30867131	Gmdrm	hypo	CHG	-0.51
Gm14	30873360	30873736	Gmdrm	hypo	CHG	-0.2602
Gm14	30912255	30912411	Gmdrm	hypo	CHG	-0.4131
Gm14	30913879	30913967	Gmdrm	hypo	CHG	-0.36
Gm14	30940147	30940294	Gmdrm	hypo	CHG	-0.6372
Gm14	30941595	30941640	Gmdrm	hypo	CHG	-0.7867
Gm14	30941747	30941827	Gmdrm	hypo	CHG	-0.6417
Gm14	30942678	30942711	Gmdrm	hypo	CHG	-0.758
Gm14	30943044	30943529	Gmdrm	hypo	CHG	-0.6721
Gm14	30943671	30943812	Gmdrm	hypo	CHG	-0.3786
Gm14	30957106	30957497	Gmdrm	hypo	CHG	-0.5141
Gm14	30965187	30965573	Gmdrm	hypo	CHG	-0.5279
Gm14	30967005	30967088	Gmdrm	hypo	CHG	-0.599
Gm14	30988301	30988426	Gmdrm	hypo	CHG	-0.3418
Gm14	31022759	31022871	Gmdrm	hypo	CHG	-0.164
Gm14	31216160	31216283	Gmdrm	hypo	CHG	-0.344
Gm14	31245511	31245724	Gmdrm	hypo	CHG	-0.5554
Gm14	31246658	31246786	Gmdrm	hypo	CHG	-0.53
Gm14	31258771	31258893	Gmdrm	hypo	CHG	-0.5842
Gm14	31474496	31474538	Gmdrm	hypo	CHG	-0.076
Gm14	31516364	31516536	Gmdrm	hypo	CHG	-0.4413
Gm14	31577394	31577611	Gmdrm	hypo	CHG	-0.0458
Gm14	31703804	31703860	Gmdrm	hypo	CHG	-0.2233
Gm14	31707088	31707477	Gmdrm	hypo	CHG	-0.0292
Gm14	31710579	31710803	Gmdrm	hypo	CHG	-0.1637
Gm14	31711389	31711748	Gmdrm	hypo	CHG	-0.2713
Gm14	31711849	31712505	Gmdrm	hypo	CHG	-0.1515
Gm14	31724684	31724736	Gmdrm	hypo	CHG	-0.3437
Gm14	32193954	32194138	Gmdrm	hypo	CHG	-0.1607
Gm14	32439534	32439708	Gmdrm	hypo	CHG	-0.0511
Gm14	32462927	32462957	Gmdrm	hypo	CHG	-0.3866

Gm14	32470240	32470525	Gmdrm	hypo	CHG	-0.3531
Gm14	32481511	32481719	Gmdrm	hypo	CHG	-0.3154
Gm14	32503064	32503253	Gmdrm	hypo	CHG	-0.224
Gm14	32503500	32503805	Gmdrm	hypo	CHG	-0.3254
Gm14	32504026	32504221	Gmdrm	hypo	CHG	-0.21
Gm14	32504353	32504679	Gmdrm	hypo	CHG	-0.3956
Gm14	32506951	32507103	Gmdrm	hypo	CHG	-0.0843
Gm14	32514342	32514696	Gmdrm	hypo	CHG	-0.6187
Gm14	32745381	32745569	Gmdrm	hypo	CHG	-0.308
Gm14	32745683	32745843	Gmdrm	hypo	CHG	-0.4867
Gm14	32838973	32839098	Gmdrm	hypo	CHG	-0.4358
Gm14	32839700	32839795	Gmdrm	hypo	CHG	-0.072
Gm14	32846834	32847069	Gmdrm	hypo	CHG	-0.5
Gm14	32849696	32849940	Gmdrm	hypo	CHG	-0.0463
Gm14	32860825	32860904	Gmdrm	hypo	CHG	-0.618
Gm14	32886507	32886719	Gmdrm	hypo	CHG	-0.3978
Gm14	32889917	32890615	Gmdrm	hypo	CHG	-0.4074
Gm14	33142002	33142048	Gmdrm	hypo	CHG	-0.36
Gm14	33143374	33144255	Gmdrm	hypo	CHG	-0.2514
Gm14	33207372	33207562	Gmdrm	hypo	CHG	-0.4422
Gm14	33466889	33467098	Gmdrm	hypo	CHG	-0.5489
Gm14	33469232	33469560	Gmdrm	hypo	CHG	-0.4825
Gm14	33553100	33553215	Gmdrm	hypo	CHG	-0.3716
Gm14	33553632	33553701	Gmdrm	hypo	CHG	-0.554
Gm14	33554056	33554170	Gmdrm	hypo	CHG	-0.69
Gm14	33555227	33555381	Gmdrm	hypo	CHG	-0.294
Gm14	33555739	33556010	Gmdrm	hypo	CHG	-0.47
Gm14	33559991	33560093	Gmdrm	hypo	CHG	-0.41
Gm14	33567108	33567255	Gmdrm	hypo	CHG	-0.076
Gm14	33569377	33569456	Gmdrm	hypo	CHG	-0.0743
Gm14	33571534	33572393	Gmdrm	hypo	CHG	-0.3079
Gm14	33585650	33586623	Gmdrm	hypo	CHG	-0.3414
Gm14	33586680	33587195	Gmdrm	hypo	CHG	-0.3361
Gm14	33587364	33588351	Gmdrm	hypo	CHG	-0.1803
Gm14	33629148	33629386	Gmdrm	hypo	CHG	-0.8382
Gm14	33632444	33632532	Gmdrm	hypo	CHG	-0.646
Gm14	34184247	34184525	Gmdrm	hypo	CHG	-0.2716
Gm14	34194242	34194689	Gmdrm	hypo	CHG	-0.2995
Gm14	34368807	34369298	Gmdrm	hypo	CHG	-0.2304
Gm14	34411140	34411931	Gmdrm	hypo	CHG	-0.1988
Gm14	34412661	34412933	Gmdrm	hypo	CHG	-0.8646
Gm14	34457470	34457679	Gmdrm	hypo	CHG	-0.2257
Gm14	34564087	34564192	Gmdrm	hypo	CHG	-0.3267
Gm14	34564434	34564690	Gmdrm	hypo	CHG	-0.4122
Gm14	34628166	34628290	Gmdrm	hypo	CHG	-0.426
Gm14	34732001	34732321	Gmdrm	hypo	CHG	-0.3183

Gm14	34747712	34747822	Gmdrm	hypo	CHG	-0.692
Gm14	34748032	34748319	Gmdrm	hypo	CHG	-0.479
Gm14	34753465	34753812	Gmdrm	hypo	CHG	-0.0384
Gm14	34757047	34757179	Gmdrm	hypo	CHG	-0.0533
Gm14	34761033	34761258	Gmdrm	hypo	CHG	-0.4633
Gm14	34791958	34792030	Gmdrm	hypo	CHG	-0.1217
Gm14	34922657	34923056	Gmdrm	hypo	CHG	-0.5005
Gm14	34924145	34924185	Gmdrm	hypo	CHG	-0.4888
Gm14	34978036	34978249	Gmdrm	hypo	CHG	-0.3116
Gm14	35003898	35004231	Gmdrm	hypo	CHG	-0.0457
Gm14	35006428	35006522	Gmdrm	hypo	CHG	-0.37
Gm14	35091974	35092065	Gmdrm	hypo	CHG	-0.0414
Gm14	35361164	35361422	Gmdrm	hypo	CHG	-0.12
Gm14	35465320	35465620	Gmdrm	hypo	CHG	-0.5948
Gm14	35466157	35466621	Gmdrm	hypo	CHG	-0.2295
Gm14	35466883	35467083	Gmdrm	hypo	CHG	-0.1883
Gm14	35469915	35470081	Gmdrm	hypo	CHG	-0.255
Gm14	35478303	35478598	Gmdrm	hypo	CHG	-0.3321
Gm14	35545155	35545364	Gmdrm	hypo	CHG	-0.1037
Gm14	35554369	35555070	Gmdrm	hypo	CHG	-0.1745
Gm14	35565685	35565822	Gmdrm	hypo	CHG	-0.656
Gm14	35565977	35566027	Gmdrm	hypo	CHG	-0.815
Gm14	35635693	35635843	Gmdrm	hypo	CHG	-0.1909
Gm14	35765564	35765718	Gmdrm	hypo	CHG	-0.7171
Gm14	35766235	35766336	Gmdrm	hypo	CHG	-0.1486
Gm14	35766792	35766941	Gmdrm	hypo	CHG	-0.32
Gm14	35794797	35794961	Gmdrm	hypo	CHG	-0.43
Gm14	35795151	35795248	Gmdrm	hypo	CHG	-0.5783
Gm14	35835703	35835825	Gmdrm	hypo	CHG	-0.232
Gm14	35913972	35914435	Gmdrm	hypo	CHG	-0.2927
Gm14	35914608	35914709	Gmdrm	hypo	CHG	-0.4323
Gm14	35918884	35919028	Gmdrm	hypo	CHG	-0.3662
Gm14	35923003	35923165	Gmdrm	hypo	CHG	-0.1038
Gm14	36196987	36197027	Gmdrm	hypo	CHG	-0.1957
Gm14	36234886	36235036	Gmdrm	hypo	CHG	-0.5743
Gm14	36235839	36235946	Gmdrm	hypo	CHG	-0.3
Gm14	36340288	36340374	Gmdrm	hypo	CHG	-0.1267
Gm14	36379333	36379540	Gmdrm	hypo	CHG	-0.5055
Gm14	36509142	36509468	Gmdrm	hypo	CHG	-0.05
Gm14	36524328	36524558	Gmdrm	hypo	CHG	-0.0823
Gm14	36524682	36525545	Gmdrm	hypo	CHG	-0.1902
Gm14	36526208	36526586	Gmdrm	hypo	CHG	-0.0944
Gm14	36527049	36527284	Gmdrm	hypo	CHG	-0.3192
Gm14	36527539	36527780	Gmdrm	hypo	CHG	-0.1393
Gm14	36528310	36529309	Gmdrm	hypo	CHG	-0.1986
Gm14	36529317	36529967	Gmdrm	hypo	CHG	-0.4152

Gm14	36555873	36556023	Gmdrm	hypo	CHG	-0.212
Gm14	36557658	36557828	Gmdrm	hypo	CHG	-0.7454
Gm14	36559017	36559048	Gmdrm	hypo	CHG	-0.465
Gm14	37062399	37062547	Gmdrm	hypo	CHG	-0.6142
Gm14	37075196	37075227	Gmdrm	hypo	CHG	-0.0683
Gm14	37106943	37106974	Gmdrm	hypo	CHG	-0.25
Gm14	37444906	37445037	Gmdrm	hypo	CHG	-0.1131
Gm14	37585158	37585404	Gmdrm	hypo	CHG	-0.763
Gm14	37586995	37587253	Gmdrm	hypo	CHG	-0.3355
Gm14	37852641	37852940	Gmdrm	hypo	CHG	-0.5444
Gm14	37856430	37856557	Gmdrm	hypo	CHG	-0.619
Gm14	37856863	37856991	Gmdrm	hypo	CHG	-0.614
Gm14	37908355	37908386	Gmdrm	hypo	CHG	-0.348
Gm14	37947606	37947698	Gmdrm	hypo	CHG	-0.468
Gm14	38065972	38066180	Gmdrm	hypo	CHG	-0.3143
Gm14	38130930	38130991	Gmdrm	hypo	CHG	-0.486
Gm14	38131887	38131955	Gmdrm	hypo	CHG	-0.0217
Gm14	38252638	38252795	Gmdrm	hypo	CHG	-0.044
Gm14	38258744	38258992	Gmdrm	hypo	CHG	-0.2909
Gm14	38259792	38259909	Gmdrm	hypo	CHG	-0.364
Gm14	38310142	38310660	Gmdrm	hypo	CHG	-0.2365
Gm14	38353189	38353303	Gmdrm	hypo	CHG	-0.4514
Gm14	38354866	38355217	Gmdrm	hypo	CHG	-0.3125
Gm14	38360849	38361239	Gmdrm	hypo	CHG	-0.046
Gm14	38368313	38368591	Gmdrm	hypo	CHG	-0.415
Gm14	38368882	38369222	Gmdrm	hypo	CHG	-0.4606
Gm14	39010869	39011502	Gmdrm	hypo	CHG	-0.0317
Gm14	39016636	39016683	Gmdrm	hypo	CHG	-0.6233
Gm14	39061988	39062047	Gmdrm	hypo	CHG	-0.3
Gm14	39062369	39062517	Gmdrm	hypo	CHG	-0.375
Gm14	39064542	39064697	Gmdrm	hypo	CHG	-0.048
Gm14	39071689	39072011	Gmdrm	hypo	CHG	-0.0569
Gm14	39077632	39077681	Gmdrm	hypo	CHG	-0.2044
Gm14	39077812	39078300	Gmdrm	hypo	CHG	-0.1376
Gm14	39086320	39087115	Gmdrm	hypo	CHG	-0.4303
Gm14	39087865	39088189	Gmdrm	hypo	CHG	-0.5415
Gm14	39088903	39088980	Gmdrm	hypo	CHG	-0.332
Gm14	39222366	39222408	Gmdrm	hypo	CHG	-0.105
Gm14	39241327	39241464	Gmdrm	hypo	CHG	-0.34
Gm14	39500039	39500407	Gmdrm	hypo	CHG	-0.221
Gm14	39913944	39914231	Gmdrm	hypo	CHG	-0.0592
Gm14	40175881	40176417	Gmdrm	hypo	CHG	-0.1325
Gm14	40182280	40182296	Gmdrm	hypo	CHG	-0.294
Gm14	40201116	40201250	Gmdrm	hypo	CHG	-0.6262
Gm14	40209620	40209671	Gmdrm	hypo	CHG	-0.586
Gm14	40287323	40287537	Gmdrm	hypo	CHG	-0.1593

Gm14	40403102	40403548	Gmdrm	hypo	CHG	-0.0941
Gm14	40453018	40453093	Gmdrm	hypo	CHG	-0.2466
Gm14	40700361	40700633	Gmdrm	hypo	CHG	-0.3135
Gm14	40714625	40715065	Gmdrm	hypo	CHG	-0.2503
Gm14	40715172	40715739	Gmdrm	hypo	CHG	-0.1042
Gm14	40717844	40718065	Gmdrm	hypo	CHG	-0.3054
Gm14	40787783	40787955	Gmdrm	hypo	CHG	-0.4333
Gm14	40790678	40790830	Gmdrm	hypo	CHG	-0.3
Gm14	40790949	40791129	Gmdrm	hypo	CHG	-0.42
Gm14	40792178	40792270	Gmdrm	hypo	CHG	-0.0667
Gm14	40959796	40959838	Gmdrm	hypo	CHG	-0.7817
Gm14	40962658	40962892	Gmdrm	hypo	CHG	-0.461
Gm14	40963208	40963350	Gmdrm	hypo	CHG	-0.2988
Gm14	40964211	40964404	Gmdrm	hypo	CHG	-0.308
Gm14	40972703	40972993	Gmdrm	hypo	CHG	-0.4145
Gm14	40994334	40994573	Gmdrm	hypo	CHG	-0.0567
Gm14	40997015	40997156	Gmdrm	hypo	CHG	-0.472
Gm14	41078017	41078184	Gmdrm	hypo	CHG	-0.145
Gm14	41096659	41097085	Gmdrm	hypo	CHG	-0.2771
Gm14	41110176	41110238	Gmdrm	hypo	CHG	-0.5066
Gm14	41167478	41168249	Gmdrm	hypo	CHG	-0.1908
Gm14	41177254	41177300	Gmdrm	hypo	CHG	-0.7045
Gm14	41265595	41265803	Gmdrm	hypo	CHG	-0.5008
Gm14	41267080	41267135	Gmdrm	hypo	CHG	-0.402
Gm14	41267260	41267859	Gmdrm	hypo	CHG	-0.39
Gm14	41269161	41269464	Gmdrm	hypo	CHG	-0.4142
Gm14	41285691	41285915	Gmdrm	hypo	CHG	-0.3225
Gm14	41286608	41286657	Gmdrm	hypo	CHG	-0.6366
Gm14	41301114	41301305	Gmdrm	hypo	CHG	-0.0417
Gm14	41323185	41323634	Gmdrm	hypo	CHG	-0.2671
Gm14	41394089	41394352	Gmdrm	hypo	CHG	-0.6643
Gm14	41418207	41418322	Gmdrm	hypo	CHG	-0.6971
Gm14	41431845	41431907	Gmdrm	hypo	CHG	-0.714
Gm14	41445436	41445778	Gmdrm	hypo	CHG	-0.1355
Gm14	41480636	41480824	Gmdrm	hypo	CHG	-0.1575
Gm14	41511008	41511147	Gmdrm	hypo	CHG	-0.7633
Gm14	41511741	41511970	Gmdrm	hypo	CHG	-0.32
Gm14	41531460	41531830	Gmdrm	hypo	CHG	-0.3184
Gm14	41531955	41532096	Gmdrm	hypo	CHG	-0.19
Gm14	41532489	41532762	Gmdrm	hypo	CHG	-0.4773
Gm14	41597382	41597525	Gmdrm	hypo	CHG	-0.3814
Gm14	41597820	41597936	Gmdrm	hypo	CHG	-0.6145
Gm14	41598160	41598261	Gmdrm	hypo	CHG	-0.4758
Gm14	41599830	41600458	Gmdrm	hypo	CHG	-0.0864
Gm14	41618207	41618410	Gmdrm	hypo	CHG	-0.4644
Gm14	41618558	41619172	Gmdrm	hypo	CHG	-0.1234

Gm14	41798169	41798249	Gmdrm	hypo	CHG	-0.385
Gm14	41812373	41812404	Gmdrm	hypo	CHG	-0.36
Gm14	41826620	41827022	Gmdrm	hypo	CHG	-0.2866
Gm14	41829004	41829367	Gmdrm	hypo	CHG	-0.2575
Gm14	41829471	41829773	Gmdrm	hypo	CHG	-0.5079
Gm14	41841515	41841595	Gmdrm	hypo	CHG	-0.8912
Gm14	41842984	41843288	Gmdrm	hypo	CHG	-0.6884
Gm14	41889712	41889829	Gmdrm	hypo	CHG	-0.0717
Gm14	41913302	41913444	Gmdrm	hypo	CHG	-0.0289
Gm14	41914562	41914635	Gmdrm	hypo	CHG	-0.0429
Gm14	41945510	41945524	Gmdrm	hypo	CHG	-0.7133
Gm14	41952792	41953365	Gmdrm	hypo	CHG	-0.2154
Gm14	41956076	41956609	Gmdrm	hypo	CHG	-0.5643
Gm14	41957041	41957464	Gmdrm	hypo	CHG	-0.4868
Gm14	41997434	41997995	Gmdrm	hypo	CHG	-0.2526
Gm14	42025061	42025268	Gmdrm	hypo	CHG	-0.6167
Gm14	42025374	42025502	Gmdrm	hypo	CHG	-0.5691
Gm14	42132590	42132813	Gmdrm	hypo	CHG	-0.2218
Gm14	42183939	42184087	Gmdrm	hypo	CHG	-0.4129
Gm14	42184337	42184628	Gmdrm	hypo	CHG	-0.6072
Gm14	42184960	42185280	Gmdrm	hypo	CHG	-0.331
Gm14	42185598	42185702	Gmdrm	hypo	CHG	-0.3386
Gm14	42185891	42185966	Gmdrm	hypo	CHG	-0.295
Gm14	42186689	42186878	Gmdrm	hypo	CHG	-0.3309
Gm14	42199400	42199577	Gmdrm	hypo	CHG	-0.4033
Gm14	42233793	42234013	Gmdrm	hypo	CHG	-0.0414
Gm14	42242657	42242999	Gmdrm	hypo	CHG	-0.0425
Gm14	42264298	42264721	Gmdrm	hypo	CHG	-0.3758
Gm14	42265046	42265166	Gmdrm	hypo	CHG	-0.2971
Gm14	42267205	42267552	Gmdrm	hypo	CHG	-0.53
Gm14	42365201	42365526	Gmdrm	hypo	CHG	-0.4089
Gm14	42368517	42368861	Gmdrm	hypo	CHG	-0.5323
Gm14	42369000	42369101	Gmdrm	hypo	CHG	-0.7967
Gm14	42407648	42407908	Gmdrm	hypo	CHG	-0.4754
Gm14	42452759	42453072	Gmdrm	hypo	CHG	-0.194
Gm14	42453321	42453360	Gmdrm	hypo	CHG	-0.1883
Gm14	42462367	42462477	Gmdrm	hypo	CHG	-0.2333
Gm14	42534093	42534197	Gmdrm	hypo	CHG	-0.4257
Gm14	42559802	42559881	Gmdrm	hypo	CHG	-0.4972
Gm14	42560118	42560193	Gmdrm	hypo	CHG	-0.375
Gm14	42560300	42560453	Gmdrm	hypo	CHG	-0.1833
Gm14	42605272	42605672	Gmdrm	hypo	CHG	-0.1261
Gm14	42610496	42610686	Gmdrm	hypo	CHG	-0.3739
Gm14	42630380	42630474	Gmdrm	hypo	CHG	-0.3644
Gm14	42662230	42662323	Gmdrm	hypo	CHG	-0.4312
Gm14	42681976	42682153	Gmdrm	hypo	CHG	-0.3017

Gm14	42696910	42697079	Gmdrm	hypo	CHG	-0.036
Gm14	42699976	42700036	Gmdrm	hypo	CHG	-0.038
Gm14	42705398	42705741	Gmdrm	hypo	CHG	-0.2695
Gm14	42765054	42765161	Gmdrm	hypo	CHG	-0.4828
Gm14	42768593	42768776	Gmdrm	hypo	CHG	-0.0667
Gm14	42778522	42778648	Gmdrm	hypo	CHG	-0.034
Gm14	42780893	42781024	Gmdrm	hypo	CHG	-0.385
Gm14	42782438	42782536	Gmdrm	hypo	CHG	-0.6612
Gm14	42783717	42783848	Gmdrm	hypo	CHG	-0.6287
Gm14	42784264	42784570	Gmdrm	hypo	CHG	-0.84
Gm14	42791442	42791787	Gmdrm	hypo	CHG	-0.2917
Gm14	42791946	42792073	Gmdrm	hypo	CHG	-0.5891
Gm14	42855314	42855425	Gmdrm	hypo	CHG	-0.52
Gm14	42882230	42882393	Gmdrm	hypo	CHG	-0.3317
Gm14	42882630	42882812	Gmdrm	hypo	CHG	-0.3944
Gm14	42884541	42884885	Gmdrm	hypo	CHG	-0.074
Gm14	42885603	42886004	Gmdrm	hypo	CHG	-0.4385
Gm14	42886234	42886261	Gmdrm	hypo	CHG	-0.568
Gm14	42886607	42886647	Gmdrm	hypo	CHG	-0.1612
Gm14	42889117	42889137	Gmdrm	hypo	CHG	-0.715
Gm14	42896297	42896691	Gmdrm	hypo	CHG	-0.365
Gm14	42935816	42935946	Gmdrm	hypo	CHG	-0.6033
Gm14	42956854	42957339	Gmdrm	hypo	CHG	-0.1679
Gm14	42964156	42964542	Gmdrm	hypo	CHG	-0.1815
Gm14	43000265	43001254	Gmdrm	hypo	CHG	-0.158
Gm14	43145663	43145711	Gmdrm	hypo	CHG	-0.7183
Gm14	43161910	43162180	Gmdrm	hypo	CHG	-0.2608
Gm14	43179585	43179792	Gmdrm	hypo	CHG	-0.3128
Gm14	43184470	43184711	Gmdrm	hypo	CHG	-0.221
Gm14	43184923	43185605	Gmdrm	hypo	CHG	-0.7964
Gm14	43185729	43186113	Gmdrm	hypo	CHG	-0.6584
Gm14	43186217	43186293	Gmdrm	hypo	CHG	-0.7533
Gm14	43186549	43186716	Gmdrm	hypo	CHG	-0.645
Gm14	43187898	43188173	Gmdrm	hypo	CHG	-0.3108
Gm14	43236587	43236679	Gmdrm	hypo	CHG	-0.1233
Gm14	43260698	43260859	Gmdrm	hypo	CHG	-0.4171
Gm14	43301537	43301703	Gmdrm	hypo	CHG	-0.7942
Gm14	43320886	43321102	Gmdrm	hypo	CHG	-0.7414
Gm14	43352607	43352813	Gmdrm	hypo	CHG	-0.6377
Gm14	43381376	43381525	Gmdrm	hypo	CHG	-0.7625
Gm14	43381770	43381848	Gmdrm	hypo	CHG	-0.6546
Gm14	43421481	43421783	Gmdrm	hypo	CHG	-0.29
Gm14	43424135	43424276	Gmdrm	hypo	CHG	-0.7275
Gm14	43439593	43439703	Gmdrm	hypo	CHG	-0.5537
Gm14	43441816	43441999	Gmdrm	hypo	CHG	-0.455
Gm14	43449086	43449398	Gmdrm	hypo	CHG	-0.04

Gm14	43449791	43450107	Gmdrm	hypo	CHG	-0.3446
Gm14	43458001	43458089	Gmdrm	hypo	CHG	-0.6484
Gm14	43505329	43505536	Gmdrm	hypo	CHG	-0.535
Gm14	43505640	43505853	Gmdrm	hypo	CHG	-0.6127
Gm14	43506599	43506854	Gmdrm	hypo	CHG	-0.7994
Gm14	43513768	43514056	Gmdrm	hypo	CHG	-0.3211
Gm14	43516746	43516932	Gmdrm	hypo	CHG	-0.3237
Gm14	43536991	43537285	Gmdrm	hypo	CHG	-0.2443
Gm14	43538286	43538601	Gmdrm	hypo	CHG	-0.6469
Gm14	43543385	43543628	Gmdrm	hypo	CHG	-0.6036
Gm14	43557130	43557330	Gmdrm	hypo	CHG	-0.3044
Gm14	43566665	43566808	Gmdrm	hypo	CHG	-0.06
Gm14	43567850	43568147	Gmdrm	hypo	CHG	-0.3237
Gm14	43600638	43600799	Gmdrm	hypo	CHG	-0.637
Gm14	43601058	43601215	Gmdrm	hypo	CHG	-0.8347
Gm14	43601443	43601727	Gmdrm	hypo	CHG	-0.6891
Gm14	43607969	43608055	Gmdrm	hypo	CHG	-0.6017
Gm14	43643751	43644188	Gmdrm	hypo	CHG	-0.6563
Gm14	43644299	43645071	Gmdrm	hypo	CHG	-0.2914
Gm14	43646056	43646253	Gmdrm	hypo	CHG	-0.6086
Gm14	43651872	43652818	Gmdrm	hypo	CHG	-0.2666
Gm14	43652882	43652939	Gmdrm	hypo	CHG	-0.3125
Gm14	43657667	43657877	Gmdrm	hypo	CHG	-0.0357
Gm14	43660138	43660295	Gmdrm	hypo	CHG	-0.4
Gm14	43660650	43661062	Gmdrm	hypo	CHG	-0.3942
Gm14	43665264	43665339	Gmdrm	hypo	CHG	-0.438
Gm14	43682912	43683053	Gmdrm	hypo	CHG	-0.3586
Gm14	43710965	43711055	Gmdrm	hypo	CHG	-0.5483
Gm14	43712241	43712846	Gmdrm	hypo	CHG	-0.36
Gm14	43725112	43725308	Gmdrm	hypo	CHG	-0.3233
Gm14	43725628	43725682	Gmdrm	hypo	CHG	-0.542
Gm14	43738136	43738733	Gmdrm	hypo	CHG	-0.2749
Gm14	43740105	43740362	Gmdrm	hypo	CHG	-0.035
Gm14	43759100	43759288	Gmdrm	hypo	CHG	-0.213
Gm14	43759614	43759668	Gmdrm	hypo	CHG	-0.396
Gm14	43799498	43799694	Gmdrm	hypo	CHG	-0.6464
Gm14	43831416	43831708	Gmdrm	hypo	CHG	-0.0472
Gm14	43833247	43833473	Gmdrm	hypo	CHG	-0.4063
Gm14	43862117	43862237	Gmdrm	hypo	CHG	-0.6125
Gm14	43873170	43873330	Gmdrm	hypo	CHG	-0.4267
Gm14	43877946	43878176	Gmdrm	hypo	CHG	-0.235
Gm14	43888911	43889220	Gmdrm	hypo	CHG	-0.278
Gm14	43896352	43896423	Gmdrm	hypo	CHG	-0.308
Gm14	43953160	43953275	Gmdrm	hypo	CHG	-0.8467
Gm14	43958397	43958509	Gmdrm	hypo	CHG	-0.685
Gm14	43958751	43959734	Gmdrm	hypo	CHG	-0.1294

Gm14	44001263	44001306	Gmdrm	hypo	CHG	-0.325
Gm14	44074803	44075191	Gmdrm	hypo	CHG	-0.24
Gm14	44100601	44100649	Gmdrm	hypo	CHG	-0.085
Gm14	44102625	44102809	Gmdrm	hypo	CHG	-0.7483
Gm14	44114650	44114956	Gmdrm	hypo	CHG	-0.7312
Gm14	44115235	44115819	Gmdrm	hypo	CHG	-0.275
Gm14	44127004	44127276	Gmdrm	hypo	CHG	-0.352
Gm14	44127657	44127747	Gmdrm	hypo	CHG	-0.262
Gm14	44186829	44186972	Gmdrm	hypo	CHG	-0.0443
Gm14	44194521	44194781	Gmdrm	hypo	CHG	-0.4
Gm14	44199153	44199245	Gmdrm	hypo	CHG	-0.68
Gm14	44200959	44201205	Gmdrm	hypo	CHG	-0.7014
Gm14	44201500	44201622	Gmdrm	hypo	CHG	-0.514
Gm14	44269106	44269703	Gmdrm	hypo	CHG	-0.3285
Gm14	44308522	44308783	Gmdrm	hypo	CHG	-0.23
Gm14	44339632	44339906	Gmdrm	hypo	CHG	-0.2519
Gm14	44343249	44343364	Gmdrm	hypo	CHG	-0.3177
Gm14	44344560	44344678	Gmdrm	hypo	CHG	-0.7075
Gm14	44406208	44406805	Gmdrm	hypo	CHG	-0.2677
Gm14	44426544	44426634	Gmdrm	hypo	CHG	-0.9222
Gm14	44435408	44435575	Gmdrm	hypo	CHG	-0.7769
Gm14	44451833	44452550	Gmdrm	hypo	CHG	-0.2624
Gm14	44463495	44463570	Gmdrm	hypo	CHG	-0.532
Gm14	44463723	44463879	Gmdrm	hypo	CHG	-0.207
Gm14	44469971	44470046	Gmdrm	hypo	CHG	-0.4383
Gm14	44471315	44471441	Gmdrm	hypo	CHG	-0.5394
Gm14	44471881	44471968	Gmdrm	hypo	CHG	-0.4066
Gm14	44473805	44473958	Gmdrm	hypo	CHG	-0.5367
Gm14	44474773	44474810	Gmdrm	hypo	CHG	-0.3517
Gm14	44475108	44475460	Gmdrm	hypo	CHG	-0.499
Gm14	44476679	44477050	Gmdrm	hypo	CHG	-0.3412
Gm14	44477151	44477336	Gmdrm	hypo	CHG	-0.25
Gm14	44477526	44477827	Gmdrm	hypo	CHG	-0.2314
Gm14	44480363	44480436	Gmdrm	hypo	CHG	-0.2212
Gm14	44480962	44481073	Gmdrm	hypo	CHG	-0.456
Gm14	44482270	44482492	Gmdrm	hypo	CHG	-0.3493
Gm14	44483105	44483404	Gmdrm	hypo	CHG	-0.364
Gm14	44486200	44486302	Gmdrm	hypo	CHG	-0.8025
Gm14	44486447	44486806	Gmdrm	hypo	CHG	-0.5708
Gm14	44493655	44493745	Gmdrm	hypo	CHG	-0.75
Gm14	44494509	44494578	Gmdrm	hypo	CHG	-0.5517
Gm14	44511891	44512223	Gmdrm	hypo	CHG	-0.4039
Gm14	44532548	44532579	Gmdrm	hypo	CHG	-0.5867
Gm14	44532882	44533030	Gmdrm	hypo	CHG	-0.247
Gm14	44598421	44598602	Gmdrm	hypo	CHG	-0.3233
Gm14	44598727	44598853	Gmdrm	hypo	CHG	-0.3262

Gm14	44608722	44608813	Gmdrm	hypo	CHG	-0.395
Gm14	44622374	44622536	Gmdrm	hypo	CHG	-0.042
Gm14	44655429	44655705	Gmdrm	hypo	CHG	-0.143
Gm14	44667757	44667863	Gmdrm	hypo	CHG	-0.5157
Gm14	44668078	44668101	Gmdrm	hypo	CHG	-0.4125
Gm14	44669033	44669663	Gmdrm	hypo	CHG	-0.3045
Gm14	44674375	44674758	Gmdrm	hypo	CHG	-0.8378
Gm14	44676071	44676182	Gmdrm	hypo	CHG	-0.7057
Gm14	44679611	44679732	Gmdrm	hypo	CHG	-0.5633
Gm14	44680078	44680208	Gmdrm	hypo	CHG	-0.7633
Gm14	44683261	44683318	Gmdrm	hypo	CHG	-0.558
Gm14	44683471	44683725	Gmdrm	hypo	CHG	-0.2853
Gm14	44711524	44711604	Gmdrm	hypo	CHG	-0.5813
Gm14	44721354	44721620	Gmdrm	hypo	CHG	-0.3856
Gm14	44725518	44725591	Gmdrm	hypo	CHG	-0.296
Gm14	44727515	44727799	Gmdrm	hypo	CHG	-0.2395
Gm14	44731147	44731374	Gmdrm	hypo	CHG	-0.5363
Gm14	44732113	44732171	Gmdrm	hypo	CHG	-0.2225
Gm14	44765009	44765133	Gmdrm	hypo	CHG	-0.84
Gm14	44793427	44793766	Gmdrm	hypo	CHG	-0.7618
Gm14	44841377	44841855	Gmdrm	hypo	CHG	-0.245
Gm14	44909328	44909446	Gmdrm	hypo	CHG	-0.8772
Gm14	44916708	44916859	Gmdrm	hypo	CHG	-0.054
Gm14	44920273	44920427	Gmdrm	hypo	CHG	-0.695
Gm14	44937098	44937321	Gmdrm	hypo	CHG	-0.121
Gm14	44937713	44937844	Gmdrm	hypo	CHG	-0.19
Gm14	44938012	44938089	Gmdrm	hypo	CHG	-0.1333
Gm14	44938737	44938856	Gmdrm	hypo	CHG	-0.7057
Gm14	44939275	44939419	Gmdrm	hypo	CHG	-0.1686
Gm14	44958649	44959213	Gmdrm	hypo	CHG	-0.1926
Gm14	44980077	44980387	Gmdrm	hypo	CHG	-0.0376
Gm14	44980770	44980926	Gmdrm	hypo	CHG	-0.5688
Gm14	45042861	45043191	Gmdrm	hypo	CHG	-0.467
Gm14	45060209	45060367	Gmdrm	hypo	CHG	-0.2677
Gm14	45060509	45060705	Gmdrm	hypo	CHG	-0.788
Gm14	45060961	45061140	Gmdrm	hypo	CHG	-0.5333
Gm14	45072587	45072721	Gmdrm	hypo	CHG	-0.458
Gm14	45089114	45089145	Gmdrm	hypo	CHG	-0.435
Gm14	45094828	45094981	Gmdrm	hypo	CHG	-0.1784
Gm14	45097057	45097082	Gmdrm	hypo	CHG	-0.246
Gm14	45105446	45105865	Gmdrm	hypo	CHG	-0.2394
Gm14	45135778	45135861	Gmdrm	hypo	CHG	-0.53
Gm14	45152054	45152288	Gmdrm	hypo	CHG	-0.325
Gm14	45160758	45161061	Gmdrm	hypo	CHG	-0.2747
Gm14	45161778	45161927	Gmdrm	hypo	CHG	-0.316
Gm14	45162210	45162267	Gmdrm	hypo	CHG	-0.6843

Gm14	45166531	45166907	Gmdrm	hypo	CHG	-0.0657
Gm14	45200917	45201892	Gmdrm	hypo	CHG	-0.1722
Gm14	45201919	45202564	Gmdrm	hypo	CHG	-0.2585
Gm14	45223123	45223461	Gmdrm	hypo	CHG	-0.0273
Gm14	45232936	45233185	Gmdrm	hypo	CHG	-0.1078
Gm14	45245678	45246235	Gmdrm	hypo	CHG	-0.6083
Gm14	45247777	45248216	Gmdrm	hypo	CHG	-0.4068
Gm14	45268229	45268434	Gmdrm	hypo	CHG	-0.6788
Gm14	45268538	45268783	Gmdrm	hypo	CHG	-0.8754
Gm14	45277881	45278030	Gmdrm	hypo	CHG	-0.038
Gm14	45333323	45333445	Gmdrm	hypo	CHG	-0.5883
Gm14	45350010	45350160	Gmdrm	hypo	CHG	-0.046
Gm14	45366078	45366350	Gmdrm	hypo	CHG	-0.5983
Gm14	45367673	45367784	Gmdrm	hypo	CHG	-0.0338
Gm14	45375788	45376412	Gmdrm	hypo	CHG	-0.475
Gm14	45382073	45382387	Gmdrm	hypo	CHG	-0.201
Gm14	45383050	45383781	Gmdrm	hypo	CHG	-0.4361
Gm14	45384005	45384748	Gmdrm	hypo	CHG	-0.4205
Gm14	45388253	45388297	Gmdrm	hypo	CHG	-0.792
Gm14	45391447	45391560	Gmdrm	hypo	CHG	-0.508
Gm14	45391664	45391986	Gmdrm	hypo	CHG	-0.3958
Gm14	45394338	45394491	Gmdrm	hypo	CHG	-0.2428
Gm14	45400318	45400372	Gmdrm	hypo	CHG	-0.0929
Gm14	45400503	45400752	Gmdrm	hypo	CHG	-0.348
Gm14	45409643	45409687	Gmdrm	hypo	CHG	-0.3483
Gm14	45409894	45409981	Gmdrm	hypo	CHG	-0.656
Gm14	45417109	45417172	Gmdrm	hypo	CHG	-0.3134
Gm14	45417557	45417685	Gmdrm	hypo	CHG	-0.3666
Gm14	45419738	45419913	Gmdrm	hypo	CHG	-0.6001
Gm14	45432609	45432723	Gmdrm	hypo	CHG	-0.0483
Gm14	45438567	45438819	Gmdrm	hypo	CHG	-0.3917
Gm14	45442072	45442299	Gmdrm	hypo	CHG	-0.843
Gm14	45464409	45464600	Gmdrm	hypo	CHG	-0.395
Gm14	45467610	45467742	Gmdrm	hypo	CHG	-0.7089
Gm14	45467946	45468053	Gmdrm	hypo	CHG	-0.624
Gm14	45472916	45473108	Gmdrm	hypo	CHG	-0.3578
Gm14	45473615	45473724	Gmdrm	hypo	CHG	-0.568
Gm14	45474290	45474390	Gmdrm	hypo	CHG	-0.69
Gm14	45475843	45476158	Gmdrm	hypo	CHG	-0.3461
Gm14	45485710	45485959	Gmdrm	hypo	CHG	-0.7385
Gm14	45498928	45499085	Gmdrm	hypo	CHG	-0.092
Gm14	45518307	45518482	Gmdrm	hypo	CHG	-0.3246
Gm14	45527526	45527690	Gmdrm	hypo	CHG	-0.153
Gm14	45527911	45528098	Gmdrm	hypo	CHG	-0.6147
Gm14	45536320	45536411	Gmdrm	hypo	CHG	-0.13
Gm14	45545671	45546421	Gmdrm	hypo	CHG	-0.0517

Gm14	45554871	45555015	Gmdrm	hypo	CHG	-0.5934
Gm14	45556386	45556486	Gmdrm	hypo	CHG	-0.476
Gm14	45557424	45557601	Gmdrm	hypo	CHG	-0.5762
Gm14	45557771	45557846	Gmdrm	hypo	CHG	-0.7071
Gm14	45558447	45558578	Gmdrm	hypo	CHG	-0.69
Gm14	45563802	45563952	Gmdrm	hypo	CHG	-0.0583
Gm14	45567528	45567712	Gmdrm	hypo	CHG	-0.589
Gm14	45591319	45592116	Gmdrm	hypo	CHG	-0.2948
Gm14	45603509	45603736	Gmdrm	hypo	CHG	-0.304
Gm14	45606035	45606480	Gmdrm	hypo	CHG	-0.5286
Gm14	45614210	45614357	Gmdrm	hypo	CHG	-0.43
Gm14	45618104	45618491	Gmdrm	hypo	CHG	-0.0443
Gm14	45639979	45640120	Gmdrm	hypo	CHG	-0.62
Gm14	45643281	45643446	Gmdrm	hypo	CHG	-0.5866
Gm14	45651084	45651600	Gmdrm	hypo	CHG	-0.6137
Gm14	45659772	45659922	Gmdrm	hypo	CHG	-0.5
Gm14	45661826	45662295	Gmdrm	hypo	CHG	-0.4191
Gm14	45664034	45664890	Gmdrm	hypo	CHG	-0.2266
Gm14	45681796	45681908	Gmdrm	hypo	CHG	-0.042
Gm14	45684837	45684873	Gmdrm	hypo	CHG	-0.2725
Gm14	45706255	45706440	Gmdrm	hypo	CHG	-0.1667
Gm14	45706543	45706987	Gmdrm	hypo	CHG	-0.6221
Gm14	45713556	45714336	Gmdrm	hypo	CHG	-0.1834
Gm14	45751631	45751795	Gmdrm	hypo	CHG	-0.2583
Gm14	45757908	45758175	Gmdrm	hypo	CHG	-0.556
Gm14	45758299	45758333	Gmdrm	hypo	CHG	-0.6833
Gm14	45758943	45759424	Gmdrm	hypo	CHG	-0.2909
Gm14	45765005	45765283	Gmdrm	hypo	CHG	-0.4516
Gm14	45770182	45770367	Gmdrm	hypo	CHG	-0.06
Gm14	45778397	45778643	Gmdrm	hypo	CHG	-0.3418
Gm14	45790612	45790967	Gmdrm	hypo	CHG	-0.6187
Gm14	45791415	45791468	Gmdrm	hypo	CHG	-0.57
Gm14	45791656	45792128	Gmdrm	hypo	CHG	-0.4635
Gm14	45794348	45794509	Gmdrm	hypo	CHG	-0.6291
Gm14	45794731	45795044	Gmdrm	hypo	CHG	-0.4484
Gm14	45798128	45798321	Gmdrm	hypo	CHG	-0.684
Gm14	45798500	45798751	Gmdrm	hypo	CHG	-0.5463
Gm14	45798884	45798929	Gmdrm	hypo	CHG	-0.409
Gm14	45826341	45826847	Gmdrm	hypo	CHG	-0.415
Gm14	45829199	45829293	Gmdrm	hypo	CHG	-0.7587
Gm14	45836246	45836372	Gmdrm	hypo	CHG	-0.4171
Gm14	45841413	45841730	Gmdrm	hypo	CHG	-0.7286
Gm14	45853939	45854235	Gmdrm	hypo	CHG	-0.5981
Gm14	45856799	45857508	Gmdrm	hypo	CHG	-0.3562
Gm14	45864639	45864712	Gmdrm	hypo	CHG	-0.081
Gm14	45892946	45893241	Gmdrm	hypo	CHG	-0.522

Gm14	45912744	45913084	Gmdrm	hypo	CHG	-0.348
Gm14	45917252	45917273	Gmdrm	hypo	CHG	-0.885
Gm14	45917440	45917643	Gmdrm	hypo	CHG	-0.7143
Gm14	45918641	45918806	Gmdrm	hypo	CHG	-0.5438
Gm14	45920612	45920768	Gmdrm	hypo	CHG	-0.5672
Gm14	45958167	45958248	Gmdrm	hypo	CHG	-0.1266
Gm14	45959558	45959745	Gmdrm	hypo	CHG	-0.464
Gm14	45965127	45965373	Gmdrm	hypo	CHG	-0.5808
Gm14	45968172	45968574	Gmdrm	hypo	CHG	-0.428
Gm14	45968856	45968905	Gmdrm	hypo	CHG	-0.7167
Gm14	45969845	45970044	Gmdrm	hypo	CHG	-0.1642
Gm14	45971563	45971682	Gmdrm	hypo	CHG	-0.192
Gm14	45971787	45971870	Gmdrm	hypo	CHG	-0.2267
Gm14	45972280	45972358	Gmdrm	hypo	CHG	-0.1767
Gm14	45984239	45984364	Gmdrm	hypo	CHG	-0.2935
Gm14	45985101	45985346	Gmdrm	hypo	CHG	-0.4881
Gm14	45987550	45987733	Gmdrm	hypo	CHG	-0.6544
Gm14	45997523	45997910	Gmdrm	hypo	CHG	-0.7109
Gm14	45998497	45998565	Gmdrm	hypo	CHG	-0.045
Gm14	45999343	45999551	Gmdrm	hypo	CHG	-0.8905
Gm14	46005770	46006238	Gmdrm	hypo	CHG	-0.7478
Gm14	46012338	46012838	Gmdrm	hypo	CHG	-0.2895
Gm14	46013554	46013601	Gmdrm	hypo	CHG	-0.6657
Gm14	46015105	46015128	Gmdrm	hypo	CHG	-0.1317
Gm14	46015842	46015877	Gmdrm	hypo	CHG	-0.56
Gm14	46030805	46031050	Gmdrm	hypo	CHG	-0.463
Gm14	46031803	46031901	Gmdrm	hypo	CHG	-0.6017
Gm14	46032109	46032214	Gmdrm	hypo	CHG	-0.596
Gm14	46040174	46040296	Gmdrm	hypo	CHG	-0.1825
Gm14	46041818	46041911	Gmdrm	hypo	CHG	-0.5815
Gm14	46044848	46044942	Gmdrm	hypo	CHG	-0.565
Gm14	46058349	46058439	Gmdrm	hypo	CHG	-0.6767
Gm14	46058599	46058795	Gmdrm	hypo	CHG	-0.6666
Gm14	46058942	46059562	Gmdrm	hypo	CHG	-0.4141
Gm14	46061923	46062022	Gmdrm	hypo	CHG	-0.586
Gm14	46064574	46064810	Gmdrm	hypo	CHG	-0.2906
Gm14	46067841	46067940	Gmdrm	hypo	CHG	-0.7
Gm14	46076152	46077137	Gmdrm	hypo	CHG	-0.1245
Gm14	46078896	46079031	Gmdrm	hypo	CHG	-0.16
Gm14	46079372	46079668	Gmdrm	hypo	CHG	-0.465
Gm14	46079789	46079850	Gmdrm	hypo	CHG	-0.086
Gm14	46089520	46090257	Gmdrm	hypo	CHG	-0.215
Gm14	46100847	46100979	Gmdrm	hypo	CHG	-0.6557
Gm14	46101406	46101496	Gmdrm	hypo	CHG	-0.53
Gm14	46109689	46109785	Gmdrm	hypo	CHG	-0.8733
Gm14	46110377	46110477	Gmdrm	hypo	CHG	-0.8375

Gm14	46110637	46110844	Gmdrm	hypo	CHG	-0.6575
Gm14	46134967	46135030	Gmdrm	hypo	CHG	-0.6683
Gm14	46139742	46140063	Gmdrm	hypo	CHG	-0.2219
Gm14	46140632	46140647	Gmdrm	hypo	CHG	-0.77
Gm14	46140812	46140986	Gmdrm	hypo	CHG	-0.548
Gm14	46149726	46149867	Gmdrm	hypo	CHG	-0.608
Gm14	46161208	46161349	Gmdrm	hypo	CHG	-0.522
Gm14	46161549	46161678	Gmdrm	hypo	CHG	-0.7333
Gm14	46162153	46162507	Gmdrm	hypo	CHG	-0.5923
Gm14	46163760	46164033	Gmdrm	hypo	CHG	-0.0728
Gm14	46167881	46167981	Gmdrm	hypo	CHG	-0.6367
Gm14	46178447	46178696	Gmdrm	hypo	CHG	-0.6856
Gm14	46178870	46179009	Gmdrm	hypo	CHG	-0.5612
Gm14	46192649	46192719	Gmdrm	hypo	CHG	-0.4134
Gm14	46192820	46192954	Gmdrm	hypo	CHG	-0.6463
Gm14	46212348	46212573	Gmdrm	hypo	CHG	-0.7043
Gm14	46240306	46240396	Gmdrm	hypo	CHG	-0.07
Gm14	46267057	46267144	Gmdrm	hypo	CHG	-0.606
Gm14	46267486	46267650	Gmdrm	hypo	CHG	-0.2724
Gm14	46277509	46277680	Gmdrm	hypo	CHG	-0.255
Gm14	46277825	46278052	Gmdrm	hypo	CHG	-0.5462
Gm14	46278538	46278842	Gmdrm	hypo	CHG	-0.6373
Gm14	46287853	46288087	Gmdrm	hypo	CHG	-0.7719
Gm14	46288315	46288526	Gmdrm	hypo	CHG	-0.247
Gm14	46298794	46298955	Gmdrm	hypo	CHG	-0.05
Gm14	46300798	46300938	Gmdrm	hypo	CHG	-0.69
Gm14	46302586	46302791	Gmdrm	hypo	CHG	-0.383
Gm14	46330449	46330934	Gmdrm	hypo	CHG	-0.3808
Gm14	46341161	46341351	Gmdrm	hypo	CHG	-0.4977
Gm14	46343473	46343971	Gmdrm	hypo	CHG	-0.7273
Gm14	46356920	46356968	Gmdrm	hypo	CHG	-0.3866
Gm14	46361884	46362251	Gmdrm	hypo	CHG	-0.7344
Gm14	46366577	46366774	Gmdrm	hypo	CHG	-0.0487
Gm14	46398783	46398905	Gmdrm	hypo	CHG	-0.6
Gm14	46402420	46402515	Gmdrm	hypo	CHG	-0.1937
Gm14	46428240	46428389	Gmdrm	hypo	CHG	-0.0558
Gm14	46429913	46430101	Gmdrm	hypo	CHG	-0.6545
Gm14	46450076	46450329	Gmdrm	hypo	CHG	-0.5034
Gm14	46450563	46450843	Gmdrm	hypo	CHG	-0.3982
Gm14	46452266	46452461	Gmdrm	hypo	CHG	-0.333
Gm14	46467155	46467312	Gmdrm	hypo	CHG	-0.0888
Gm14	46469751	46469895	Gmdrm	hypo	CHG	-0.354
Gm14	46476197	46476320	Gmdrm	hypo	CHG	-0.342
Gm14	46478513	46478679	Gmdrm	hypo	CHG	-0.144
Gm14	46479528	46479698	Gmdrm	hypo	CHG	-0.32
Gm14	46481530	46481884	Gmdrm	hypo	CHG	-0.2975

Gm14	46484018	46484187	Gmdrm	hypo	CHG	-0.4755
Gm14	46484314	46484835	Gmdrm	hypo	CHG	-0.2554
Gm14	46486911	46487280	Gmdrm	hypo	CHG	-0.2129
Gm14	46498087	46498143	Gmdrm	hypo	CHG	-0.5157
Gm14	46507912	46508302	Gmdrm	hypo	CHG	-0.3764
Gm14	46525674	46525786	Gmdrm	hypo	CHG	-0.7183
Gm14	46574044	46574200	Gmdrm	hypo	CHG	-0.32
Gm14	46574485	46574567	Gmdrm	hypo	CHG	-0.5333
Gm14	46576333	46576905	Gmdrm	hypo	CHG	-0.7004
Gm14	46577960	46578346	Gmdrm	hypo	CHG	-0.1743
Gm14	46587983	46588086	Gmdrm	hypo	CHG	-0.5215
Gm14	46590102	46590122	Gmdrm	hypo	CHG	-0.066
Gm14	46599560	46599819	Gmdrm	hypo	CHG	-0.6842
Gm14	46604706	46604829	Gmdrm	hypo	CHG	-0.04
Gm14	46605439	46605799	Gmdrm	hypo	CHG	-0.4292
Gm14	46606006	46606044	Gmdrm	hypo	CHG	-0.06
Gm14	46608178	46608283	Gmdrm	hypo	CHG	-0.5
Gm14	46608793	46609096	Gmdrm	hypo	CHG	-0.1994
Gm14	46616371	46616436	Gmdrm	hypo	CHG	-0.6216
Gm14	46617294	46617684	Gmdrm	hypo	CHG	-0.55
Gm14	46618453	46618660	Gmdrm	hypo	CHG	-0.4613
Gm14	46634887	46635166	Gmdrm	hypo	CHG	-0.8188
Gm14	46640970	46641341	Gmdrm	hypo	CHG	-0.5905
Gm14	46643418	46644377	Gmdrm	hypo	CHG	-0.2668
Gm14	46681579	46681973	Gmdrm	hypo	CHG	-0.0411
Gm14	46687166	46687314	Gmdrm	hypo	CHG	-0.5022
Gm14	46695204	46695444	Gmdrm	hypo	CHG	-0.5589
Gm14	46698880	46699119	Gmdrm	hypo	CHG	-0.6532
Gm14	46701139	46701334	Gmdrm	hypo	CHG	-0.1977
Gm14	46722121	46722281	Gmdrm	hypo	CHG	-0.365
Gm14	46730467	46731012	Gmdrm	hypo	CHG	-0.3594
Gm14	46733135	46733397	Gmdrm	hypo	CHG	-0.0583
Gm14	46740438	46740704	Gmdrm	hypo	CHG	-0.6407
Gm14	46740985	46741411	Gmdrm	hypo	CHG	-0.6238
Gm14	46742539	46742634	Gmdrm	hypo	CHG	-0.42
Gm14	46751915	46751955	Gmdrm	hypo	CHG	-0.616
Gm14	46788051	46788163	Gmdrm	hypo	CHG	-0.492
Gm14	46792278	46792427	Gmdrm	hypo	CHG	-0.5362
Gm14	46795319	46795395	Gmdrm	hypo	CHG	-0.1383
Gm14	46822576	46822826	Gmdrm	hypo	CHG	-0.2482
Gm14	46823050	46823351	Gmdrm	hypo	CHG	-0.7643
Gm14	46823468	46823523	Gmdrm	hypo	CHG	-0.7412
Gm14	46828632	46828763	Gmdrm	hypo	CHG	-0.5214
Gm14	46828869	46829076	Gmdrm	hypo	CHG	-0.66
Gm14	46834239	46834259	Gmdrm	hypo	CHG	-0.842
Gm14	46840320	46840553	Gmdrm	hypo	CHG	-0.3885

Gm14	46845689	46845841	Gmdrm	hypo	CHG	-0.072
Gm14	46852739	46853021	Gmdrm	hypo	CHG	-0.183
Gm14	46857949	46858102	Gmdrm	hypo	CHG	-0.0584
Gm14	46866840	46866943	Gmdrm	hypo	CHG	-0.2717
Gm14	46932138	46932544	Gmdrm	hypo	CHG	-0.6185
Gm14	46939661	46939908	Gmdrm	hypo	CHG	-0.7217
Gm14	46949613	46949649	Gmdrm	hypo	CHG	-0.435
Gm14	46955030	46955275	Gmdrm	hypo	CHG	-0.8334
Gm14	46956774	46957239	Gmdrm	hypo	CHG	-0.3007
Gm14	46960457	46960881	Gmdrm	hypo	CHG	-0.1684
Gm14	46986436	46986598	Gmdrm	hypo	CHG	-0.0711
Gm14	47002999	47003213	Gmdrm	hypo	CHG	-0.819
Gm14	47003340	47003428	Gmdrm	hypo	CHG	-0.6334
Gm14	47032316	47032419	Gmdrm	hypo	CHG	-0.3345
Gm14	47061977	47062184	Gmdrm	hypo	CHG	-0.455
Gm14	47065402	47065612	Gmdrm	hypo	CHG	-0.7236
Gm14	47065731	47065821	Gmdrm	hypo	CHG	-0.6933
Gm14	47066035	47066071	Gmdrm	hypo	CHG	-0.745
Gm14	47108222	47108288	Gmdrm	hypo	CHG	-0.218
Gm14	47129196	47129598	Gmdrm	hypo	CHG	-0.6025
Gm14	47133000	47133305	Gmdrm	hypo	CHG	-0.047
Gm14	47150617	47150761	Gmdrm	hypo	CHG	-0.298
Gm14	47151149	47151269	Gmdrm	hypo	CHG	-0.63
Gm14	47151429	47151502	Gmdrm	hypo	CHG	-0.5617
Gm14	47151788	47152003	Gmdrm	hypo	CHG	-0.072
Gm14	47170206	47170448	Gmdrm	hypo	CHG	-0.3182
Gm14	47173583	47173767	Gmdrm	hypo	CHG	-0.3536
Gm14	47174380	47174503	Gmdrm	hypo	CHG	-0.8109
Gm14	47174707	47174863	Gmdrm	hypo	CHG	-0.564
Gm14	47176836	47177100	Gmdrm	hypo	CHG	-0.0455
Gm14	47185735	47185999	Gmdrm	hypo	CHG	-0.7434
Gm14	47193431	47193569	Gmdrm	hypo	CHG	-0.555
Gm14	47195369	47195498	Gmdrm	hypo	CHG	-0.106
Gm14	47203295	47203458	Gmdrm	hypo	CHG	-0.3608
Gm14	47248819	47248918	Gmdrm	hypo	CHG	-0.3833
Gm14	47255721	47255801	Gmdrm	hypo	CHG	-0.184
Gm14	47258100	47258249	Gmdrm	hypo	CHG	-0.5356
Gm14	47290215	47290333	Gmdrm	hypo	CHG	-0.262
Gm14	47290454	47290549	Gmdrm	hypo	CHG	-0.5633
Gm14	47293197	47293431	Gmdrm	hypo	CHG	-0.212
Gm14	47293642	47293851	Gmdrm	hypo	CHG	-0.5
Gm14	47294437	47294778	Gmdrm	hypo	CHG	-0.0755
Gm14	47308728	47309087	Gmdrm	hypo	CHG	-0.0663
Gm14	47322978	47323084	Gmdrm	hypo	CHG	-0.05
Gm14	47332683	47332863	Gmdrm	hypo	CHG	-0.118
Gm14	47340383	47340717	Gmdrm	hypo	CHG	-0.29

Gm14	47344271	47344743	Gmdrm	hypo	CHG	-0.2792
Gm14	47348254	47348457	Gmdrm	hypo	CHG	-0.2289
Gm14	47348631	47348906	Gmdrm	hypo	CHG	-0.4423
Gm14	47349207	47349588	Gmdrm	hypo	CHG	-0.3859
Gm14	47350831	47350942	Gmdrm	hypo	CHG	-0.619
Gm14	47353173	47353369	Gmdrm	hypo	CHG	-0.69
Gm14	47357379	47358236	Gmdrm	hypo	CHG	-0.3971
Gm14	47360385	47360464	Gmdrm	hypo	CHG	-0.046
Gm14	47374890	47374999	Gmdrm	hypo	CHG	-0.7311
Gm14	47375193	47375309	Gmdrm	hypo	CHG	-0.71
Gm14	47375432	47375576	Gmdrm	hypo	CHG	-0.7438
Gm14	47417150	47417370	Gmdrm	hypo	CHG	-0.05
Gm14	47447223	47447268	Gmdrm	hypo	CHG	-0.6143
Gm14	47453023	47453263	Gmdrm	hypo	CHG	-0.205
Gm14	47464718	47464874	Gmdrm	hypo	CHG	-0.3443
Gm14	47472667	47472861	Gmdrm	hypo	CHG	-0.34
Gm14	47476199	47476511	Gmdrm	hypo	CHG	-0.4255
Gm14	47480555	47480763	Gmdrm	hypo	CHG	-0.3725
Gm14	47489965	47490014	Gmdrm	hypo	CHG	-0.028
Gm14	47492489	47492618	Gmdrm	hypo	CHG	-0.3843
Gm14	47492765	47492981	Gmdrm	hypo	CHG	-0.358
Gm14	47532234	47532458	Gmdrm	hypo	CHG	-0.0333
Gm14	47534631	47534701	Gmdrm	hypo	CHG	-0.405
Gm14	47537169	47537306	Gmdrm	hypo	CHG	-0.5375
Gm14	47547849	47547994	Gmdrm	hypo	CHG	-0.5116
Gm14	47570433	47570564	Gmdrm	hypo	CHG	-0.3613
Gm14	47617859	47617971	Gmdrm	hypo	CHG	-0.4675
Gm14	47620385	47620522	Gmdrm	hypo	CHG	-0.04
Gm14	47635393	47635526	Gmdrm	hypo	CHG	-0.606
Gm14	47649746	47649937	Gmdrm	hypo	CHG	-0.12
Gm14	47663100	47663324	Gmdrm	hypo	CHG	-0.11
Gm14	47674633	47674737	Gmdrm	hypo	CHG	-0.6433
Gm14	47690846	47690957	Gmdrm	hypo	CHG	-0.56
Gm14	47700126	47700335	Gmdrm	hypo	CHG	-0.0333
Gm14	47705983	47706121	Gmdrm	hypo	CHG	-0.35
Gm14	47729129	47729374	Gmdrm	hypo	CHG	-0.4642
Gm14	47732038	47732359	Gmdrm	hypo	CHG	-0.4964
Gm14	47733486	47733744	Gmdrm	hypo	CHG	-0.0225
Gm14	47748060	47748165	Gmdrm	hypo	CHG	-0.222
Gm14	47750743	47750938	Gmdrm	hypo	CHG	-0.531
Gm14	47768351	47768461	Gmdrm	hypo	CHG	-0.6139
Gm14	47768576	47768605	Gmdrm	hypo	CHG	-0.7534
Gm14	47768877	47769392	Gmdrm	hypo	CHG	-0.5713
Gm14	47798953	47799057	Gmdrm	hypo	CHG	-0.2288
Gm14	47814091	47814246	Gmdrm	hypo	CHG	-0.519
Gm14	47814439	47814493	Gmdrm	hypo	CHG	-0.5129

Gm14	47815337	47815438	Gmdrm	hypo	CHG	-0.54
Gm14	47816761	47816874	Gmdrm	hypo	CHG	-0.5043
Gm14	47817323	47817383	Gmdrm	hypo	CHG	-0.2417
Gm14	47818921	47819086	Gmdrm	hypo	CHG	-0.036
Gm14	47828977	47829245	Gmdrm	hypo	CHG	-0.7965
Gm14	47836449	47836679	Gmdrm	hypo	CHG	-0.585
Gm14	47838478	47838540	Gmdrm	hypo	CHG	-0.535
Gm14	47859368	47859545	Gmdrm	hypo	CHG	-0.6658
Gm14	47874398	47874649	Gmdrm	hypo	CHG	-0.05
Gm14	47895905	47895941	Gmdrm	hypo	CHG	-0.102
Gm14	47908056	47908630	Gmdrm	hypo	CHG	-0.8013
Gm14	47958235	47958363	Gmdrm	hypo	CHG	-0.48
Gm14	47961494	47961619	Gmdrm	hypo	CHG	-0.5772
Gm14	47962500	47962664	Gmdrm	hypo	CHG	-0.4133
Gm14	47969907	47970039	Gmdrm	hypo	CHG	-0.7783
Gm14	47982168	47982290	Gmdrm	hypo	CHG	-0.501
Gm14	47982470	47982582	Gmdrm	hypo	CHG	-0.5343
Gm14	47991436	47991533	Gmdrm	hypo	CHG	-0.0585
Gm14	48003485	48003500	Gmdrm	hypo	CHG	-0.16
Gm14	48012133	48012356	Gmdrm	hypo	CHG	-0.066
Gm14	48016622	48016737	Gmdrm	hypo	CHG	-0.0438
Gm14	48025276	48025309	Gmdrm	hypo	CHG	-0.2557
Gm14	48025440	48025594	Gmdrm	hypo	CHG	-0.2825
Gm14	48027543	48027705	Gmdrm	hypo	CHG	-0.745
Gm14	48027826	48028371	Gmdrm	hypo	CHG	-0.6684
Gm14	48041169	48041284	Gmdrm	hypo	CHG	-0.8572
Gm14	48041411	48041678	Gmdrm	hypo	CHG	-0.8595
Gm14	48042061	48042083	Gmdrm	hypo	CHG	-0.1833
Gm14	48076113	48076203	Gmdrm	hypo	CHG	-0.36
Gm14	48123478	48123546	Gmdrm	hypo	CHG	-0.0337
Gm14	48143423	48143550	Gmdrm	hypo	CHG	-0.7978
Gm14	48164074	48164370	Gmdrm	hypo	CHG	-0.2123
Gm14	48164694	48164883	Gmdrm	hypo	CHG	-0.7954
Gm14	48170759	48170896	Gmdrm	hypo	CHG	-0.035
Gm14	48178774	48178942	Gmdrm	hypo	CHG	-0.1243
Gm14	48188301	48188495	Gmdrm	hypo	CHG	-0.1006
Gm14	48206244	48206559	Gmdrm	hypo	CHG	-0.2486
Gm14	48213918	48214007	Gmdrm	hypo	CHG	-0.6583
Gm14	48214114	48214264	Gmdrm	hypo	CHG	-0.5433
Gm14	48259102	48259265	Gmdrm	hypo	CHG	-0.83
Gm14	48259383	48259655	Gmdrm	hypo	CHG	-0.3559
Gm14	48262247	48262534	Gmdrm	hypo	CHG	-0.08
Gm14	48283290	48283446	Gmdrm	hypo	CHG	-0.54
Gm14	48293021	48293311	Gmdrm	hypo	CHG	-0.0264
Gm14	48300964	48301534	Gmdrm	hypo	CHG	-0.4127
Gm14	48308557	48308681	Gmdrm	hypo	CHG	-0.062

Gm14	48321621	48321820	Gmdrm	hypo	CHG	-0.955
Gm14	48324394	48324554	Gmdrm	hypo	CHG	-0.8143
Gm14	48334432	48334920	Gmdrm	hypo	CHG	-0.3824
Gm14	48341618	48341732	Gmdrm	hypo	CHG	-0.705
Gm14	48350792	48350940	Gmdrm	hypo	CHG	-0.7044
Gm14	48351160	48351204	Gmdrm	hypo	CHG	-0.79
Gm14	48359131	48359613	Gmdrm	hypo	CHG	-0.4005
Gm14	48367492	48367716	Gmdrm	hypo	CHG	-0.0478
Gm14	48378686	48379419	Gmdrm	hypo	CHG	-0.2144
Gm14	48382865	48382927	Gmdrm	hypo	CHG	-0.094
Gm14	48388798	48388972	Gmdrm	hypo	CHG	-0.7326
Gm14	48396314	48396680	Gmdrm	hypo	CHG	-0.0783
Gm14	48413052	48413216	Gmdrm	hypo	CHG	-0.032
Gm14	48428714	48429043	Gmdrm	hypo	CHG	-0.7735
Gm14	48432090	48432279	Gmdrm	hypo	CHG	-0.82
Gm14	48432530	48432857	Gmdrm	hypo	CHG	-0.4533
Gm14	48433196	48433749	Gmdrm	hypo	CHG	-0.3904
Gm14	48433927	48434093	Gmdrm	hypo	CHG	-0.6537
Gm14	48434274	48434672	Gmdrm	hypo	CHG	-0.4106
Gm14	48464304	48464437	Gmdrm	hypo	CHG	-0.054
Gm14	48479002	48479157	Gmdrm	hypo	CHG	-0.0586
Gm14	48479274	48479589	Gmdrm	hypo	CHG	-0.9376
Gm14	48489971	48490117	Gmdrm	hypo	CHG	-0.508
Gm14	48490453	48490672	Gmdrm	hypo	CHG	-0.8544
Gm14	48495857	48496055	Gmdrm	hypo	CHG	-0.6766
Gm14	48497663	48497801	Gmdrm	hypo	CHG	-0.506
Gm14	48497903	48498086	Gmdrm	hypo	CHG	-0.634
Gm14	48503808	48503942	Gmdrm	hypo	CHG	-0.0545
Gm14	48508598	48508728	Gmdrm	hypo	CHG	-0.0686
Gm14	48509872	48510268	Gmdrm	hypo	CHG	-0.556
Gm14	48524841	48525221	Gmdrm	hypo	CHG	-0.6262
Gm14	48534845	48534996	Gmdrm	hypo	CHG	-0.805
Gm14	48535487	48535684	Gmdrm	hypo	CHG	-0.6
Gm14	48579756	48580324	Gmdrm	hypo	CHG	-0.5045
Gm14	48596209	48596404	Gmdrm	hypo	CHG	-0.766
Gm14	48610908	48611080	Gmdrm	hypo	CHG	-0.4888
Gm14	48618178	48618635	Gmdrm	hypo	CHG	-0.0291
Gm14	48634962	48635094	Gmdrm	hypo	CHG	-0.3857
Gm14	48635919	48636027	Gmdrm	hypo	CHG	-0.362
Gm14	48643067	48643259	Gmdrm	hypo	CHG	-0.0357
Gm14	48653331	48653519	Gmdrm	hypo	CHG	-0.6156
Gm14	48654264	48654383	Gmdrm	hypo	CHG	-0.5813
Gm14	48655826	48655890	Gmdrm	hypo	CHG	-0.02
Gm14	48656697	48656791	Gmdrm	hypo	CHG	-0.1971
Gm14	48656893	48657402	Gmdrm	hypo	CHG	-0.2488
Gm14	48687071	48687172	Gmdrm	hypo	CHG	-0.4

Gm14	48695759	48695983	Gmdrm	hypo	CHG	-0.453
Gm14	48706564	48706737	Gmdrm	hypo	CHG	-0.6767
Gm14	48722168	48722509	Gmdrm	hypo	CHG	-0.665
Gm14	48722987	48723405	Gmdrm	hypo	CHG	-0.1864
Gm14	48723995	48724346	Gmdrm	hypo	CHG	-0.3531
Gm14	48726682	48727037	Gmdrm	hypo	CHG	-0.6217
Gm14	48727224	48727373	Gmdrm	hypo	CHG	-0.8237
Gm14	48727798	48727972	Gmdrm	hypo	CHG	-0.4155
Gm14	48728102	48728199	Gmdrm	hypo	CHG	-0.6734
Gm14	48728384	48728447	Gmdrm	hypo	CHG	-0.3267
Gm14	48731292	48731423	Gmdrm	hypo	CHG	-0.0366
Gm14	48731899	48732003	Gmdrm	hypo	CHG	-0.625
Gm14	48732293	48732555	Gmdrm	hypo	CHG	-0.017
Gm14	48732995	48733349	Gmdrm	hypo	CHG	-0.699
Gm14	48733538	48733687	Gmdrm	hypo	CHG	-0.7912
Gm14	48734167	48734260	Gmdrm	hypo	CHG	-0.3834
Gm14	48734384	48734498	Gmdrm	hypo	CHG	-0.3885
Gm14	48734642	48734703	Gmdrm	hypo	CHG	-0.31
Gm14	48735249	48735730	Gmdrm	hypo	CHG	-0.4552
Gm14	48736111	48736233	Gmdrm	hypo	CHG	-0.708
Gm14	48736441	48736542	Gmdrm	hypo	CHG	-0.638
Gm14	48737098	48737313	Gmdrm	hypo	CHG	-0.5664
Gm14	48737703	48738059	Gmdrm	hypo	CHG	-0.0323
Gm14	48741048	48741302	Gmdrm	hypo	CHG	-0.7
Gm14	48744857	48744942	Gmdrm	hypo	CHG	-0.4717
Gm14	48745216	48745704	Gmdrm	hypo	CHG	-0.2747
Gm14	48754607	48754974	Gmdrm	hypo	CHG	-0.3984
Gm14	48755227	48755462	Gmdrm	hypo	CHG	-0.7133
Gm14	48755676	48755794	Gmdrm	hypo	CHG	-0.818
Gm14	48769302	48769461	Gmdrm	hypo	CHG	-0.03
Gm14	48779311	48779471	Gmdrm	hypo	CHG	-0.0384
Gm14	48781814	48781946	Gmdrm	hypo	CHG	-0.0517
Gm14	48839575	48839802	Gmdrm	hypo	CHG	-0.064
Gm14	48849348	48849821	Gmdrm	hypo	CHG	-0.0258
Gm14	48875205	48875525	Gmdrm	hypo	CHG	-0.08
Gm14	48882155	48882549	Gmdrm	hypo	CHG	-0.7012
Gm14	48882785	48883525	Gmdrm	hypo	CHG	-0.4879
Gm14	48885634	48885829	Gmdrm	hypo	CHG	-0.3845
Gm14	48895486	48895947	Gmdrm	hypo	CHG	-0.3152
Gm14	48902415	48902883	Gmdrm	hypo	CHG	-0.2654
Gm14	48912289	48912518	Gmdrm	hypo	CHG	-0.46
Gm14	48933426	48933597	Gmdrm	hypo	CHG	-0.0549
Gm14	48944245	48944342	Gmdrm	hypo	CHG	-0.37
Gm14	48944852	48945151	Gmdrm	hypo	CHG	-0.7486
Gm14	48946185	48946512	Gmdrm	hypo	CHG	-0.3667
Gm14	48978097	48978394	Gmdrm	hypo	CHG	-0.55

Gm14	48980819	48981057	Gmdrm	hypo	CHG	-0.326
Gm14	48981403	48981715	Gmdrm	hypo	CHG	-0.2892
Gm14	48998574	48998712	Gmdrm	hypo	CHG	-0.8917
Gm14	49051098	49051193	Gmdrm	hypo	CHG	-0.6937
Gm14	49051316	49051421	Gmdrm	hypo	CHG	-0.6842
Gm14	49051532	49051660	Gmdrm	hypo	CHG	-0.81
Gm14	49051969	49052657	Gmdrm	hypo	CHG	-0.1016
Gm14	49056980	49057163	Gmdrm	hypo	CHG	-0.034
Gm14	49058683	49058833	Gmdrm	hypo	CHG	-0.7494
Gm14	49078237	49078589	Gmdrm	hypo	CHG	-0.6816
Gm14	49098148	49098193	Gmdrm	hypo	CHG	-0.1114
Gm14	49106923	49107360	Gmdrm	hypo	CHG	-0.2617
Gm14	49114510	49114725	Gmdrm	hypo	CHG	-0.045
Gm14	49118203	49118362	Gmdrm	hypo	CHG	-0.49
Gm14	49134608	49134810	Gmdrm	hypo	CHG	-0.849
Gm14	49146691	49146862	Gmdrm	hypo	CHG	-0.585
Gm14	49152419	49152556	Gmdrm	hypo	CHG	-0.5328
Gm14	49157790	49157920	Gmdrm	hypo	CHG	-0.3371
Gm14	49182582	49182679	Gmdrm	hypo	CHG	-0.5414
Gm14	49190283	49190559	Gmdrm	hypo	CHG	-0.3381
Gm14	49190688	49190843	Gmdrm	hypo	CHG	-0.19
Gm14	49197344	49197550	Gmdrm	hypo	CHG	-0.1039
Gm14	49236104	49236250	Gmdrm	hypo	CHG	-0.7973
Gm14	49271765	49271963	Gmdrm	hypo	CHG	-0.6167
Gm14	49278438	49278554	Gmdrm	hypo	CHG	-0.55
Gm14	49283003	49283081	Gmdrm	hypo	CHG	-0.054
Gm14	49288706	49288951	Gmdrm	hypo	CHG	-0.8783
Gm14	49294550	49294782	Gmdrm	hypo	CHG	-0.6969
Gm14	49295376	49295477	Gmdrm	hypo	CHG	-0.6263
Gm14	49305377	49305481	Gmdrm	hypo	CHG	-0.028
Gm14	49316005	49316166	Gmdrm	hypo	CHG	-0.0867
Gm14	49316976	49317211	Gmdrm	hypo	CHG	-0.7261
Gm14	49317323	49317614	Gmdrm	hypo	CHG	-0.8693
Gm14	49319917	49319979	Gmdrm	hypo	CHG	-0.1814
Gm14	49322975	49323078	Gmdrm	hypo	CHG	-0.035
Gm14	49324436	49324459	Gmdrm	hypo	CHG	-0.648
Gm14	49334534	49334568	Gmdrm	hypo	CHG	-0.8284
Gm14	49363549	49363747	Gmdrm	hypo	CHG	-0.6789
Gm14	49369962	49370154	Gmdrm	hypo	CHG	-0.4989
Gm14	49370330	49370405	Gmdrm	hypo	CHG	-0.495
Gm14	49371868	49372038	Gmdrm	hypo	CHG	-0.0386
Gm14	49381901	49382527	Gmdrm	hypo	CHG	-0.0704
Gm14	49396515	49396628	Gmdrm	hypo	CHG	-0.664
Gm14	49407947	49408114	Gmdrm	hypo	CHG	-0.6829
Gm14	49408394	49408602	Gmdrm	hypo	CHG	-0.567
Gm14	49417897	49418030	Gmdrm	hypo	CHG	-0.8218

Gm14	49418382	49418534	Gmdrm	hypo	CHG	-0.055
Gm14	49421408	49421539	Gmdrm	hypo	CHG	-0.58
Gm14	49421881	49421996	Gmdrm	hypo	CHG	-0.448
Gm14	49435821	49436223	Gmdrm	hypo	CHG	-0.2231
Gm14	49480874	49480910	Gmdrm	hypo	CHG	-0.3963
Gm14	49481021	49481170	Gmdrm	hypo	CHG	-0.8022
Gm14	49505026	49505095	Gmdrm	hypo	CHG	-0.0514
Gm14	49510092	49510204	Gmdrm	hypo	CHG	-0.57
Gm14	49545561	49545790	Gmdrm	hypo	CHG	-0.0444
Gm14	49561630	49562276	Gmdrm	hypo	CHG	-0.743
Gm14	49612526	49612580	Gmdrm	hypo	CHG	-0.048
Gm14	49622362	49622587	Gmdrm	hypo	CHG	-0.0475
Gm14	49623499	49623729	Gmdrm	hypo	CHG	-0.036
Gm14	49630548	49630673	Gmdrm	hypo	CHG	-0.058
Gm14	49643682	49644059	Gmdrm	hypo	CHG	-0.6635
Gm14	49645300	49645497	Gmdrm	hypo	CHG	-0.0709
Gm14	49688128	49688648	Gmdrm	hypo	CHG	-0.2033
Gm14	49688876	49689203	Gmdrm	hypo	CHG	-0.1564
Gm14	49689640	49690063	Gmdrm	hypo	CHG	-0.1875
Gm14	49690217	49690346	Gmdrm	hypo	CHG	-0.0743
Gm14	49727678	49727779	Gmdrm	hypo	CHG	-0.3484
Gm14	49736102	49736415	Gmdrm	hypo	CHG	-0.2962
Gm14	49744301	49744371	Gmdrm	hypo	CHG	-0.5187
Gm14	49775503	49775540	Gmdrm	hypo	CHG	-0.1533
Gm14	49783732	49783870	Gmdrm	hypo	CHG	-0.3933
Gm14	49814876	49815050	Gmdrm	hypo	CHG	-0.306
Gm14	49815211	49815330	Gmdrm	hypo	CHG	-0.68
Gm14	49824203	49824350	Gmdrm	hypo	CHG	-0.6117
Gm14	49825096	49825293	Gmdrm	hypo	CHG	-0.6067
Gm14	49835693	49836016	Gmdrm	hypo	CHG	-0.2834
Gm14_scaffo	2309	2551	Gmdrm	hypo	CHG	-0.0617
Gm14_scaffo	13254	13627	Gmdrm	hypo	CHG	-0.268
Gm14_scaffo	29092	29230	Gmdrm	hypo	CHG	-0.495
Gm14_scaffo	71108	71220	Gmdrm	hypo	CHG	-0.3567
Gm14_scaffo	74845	75081	Gmdrm	hypo	CHG	-0.4492
Gm14_scaffo	75186	75500	Gmdrm	hypo	CHG	-0.7613
Gm14_scaffo	77099	77269	Gmdrm	hypo	CHG	-0.0383
Gm14_scaffo	85434	85586	Gmdrm	hypo	CHG	-0.6
Gm15	4464	4783	Gmdrm	hypo	CHG	-0.2833
Gm15	10478	11156	Gmdrm	hypo	CHG	-0.263
Gm15	20892	21022	Gmdrm	hypo	CHG	-0.5457
Gm15	21692	21751	Gmdrm	hypo	CHG	-0.2317
Gm15	26232	26460	Gmdrm	hypo	CHG	-0.2745
Gm15	28660	29239	Gmdrm	hypo	CHG	-0.1504
Gm15	30644	30808	Gmdrm	hypo	CHG	-0.0578
Gm15	34461	34837	Gmdrm	hypo	CHG	-0.1146

Gm15	34946	35292 Gmdrm	hypo	CHG	-0.0587
Gm15	47688	47772 Gmdrm	hypo	CHG	-0.0733
Gm15	63833	63887 Gmdrm	hypo	CHG	-0.7857
Gm15	69560	69737 Gmdrm	hypo	CHG	-0.04
Gm15	70430	70845 Gmdrm	hypo	CHG	-0.334
Gm15	70959	71667 Gmdrm	hypo	CHG	-0.168
Gm15	71787	72367 Gmdrm	hypo	CHG	-0.2533
Gm15	74240	74743 Gmdrm	hypo	CHG	-0.1646
Gm15	79121	79325 Gmdrm	hypo	CHG	-0.0467
Gm15	83129	83265 Gmdrm	hypo	CHG	-0.074
Gm15	95854	96248 Gmdrm	hypo	CHG	-0.0954
Gm15	96391	96606 Gmdrm	hypo	CHG	-0.2143
Gm15	96717	97025 Gmdrm	hypo	CHG	-0.3263
Gm15	97457	98431 Gmdrm	hypo	CHG	-0.1582
Gm15	98466	98492 Gmdrm	hypo	CHG	-0.544
Gm15	101612	101724 Gmdrm	hypo	CHG	-0.048
Gm15	108937	109204 Gmdrm	hypo	CHG	-0.624
Gm15	109482	109546 Gmdrm	hypo	CHG	-0.7984
Gm15	109889	109945 Gmdrm	hypo	CHG	-0.85
Gm15	110815	110949 Gmdrm	hypo	CHG	-0.6527
Gm15	121142	121183 Gmdrm	hypo	CHG	-0.062
Gm15	124380	124521 Gmdrm	hypo	CHG	-0.72
Gm15	135561	135730 Gmdrm	hypo	CHG	-0.5333
Gm15	136536	136695 Gmdrm	hypo	CHG	-0.51
Gm15	148582	149299 Gmdrm	hypo	CHG	-0.6834
Gm15	160433	160605 Gmdrm	hypo	CHG	-0.2822
Gm15	160785	161049 Gmdrm	hypo	CHG	-0.3954
Gm15	164076	164171 Gmdrm	hypo	CHG	-0.54
Gm15	164501	164643 Gmdrm	hypo	CHG	-0.178
Gm15	167500	167720 Gmdrm	hypo	CHG	-0.1317
Gm15	171781	171876 Gmdrm	hypo	CHG	-0.548
Gm15	172144	173088 Gmdrm	hypo	CHG	-0.4936
Gm15	180280	180933 Gmdrm	hypo	CHG	-0.323
Gm15	181392	181543 Gmdrm	hypo	CHG	-0.0413
Gm15	191703	191831 Gmdrm	hypo	CHG	-0.086
Gm15	230663	231054 Gmdrm	hypo	CHG	-0.5029
Gm15	231243	231334 Gmdrm	hypo	CHG	-0.582
Gm15	231478	231544 Gmdrm	hypo	CHG	-0.7084
Gm15	232351	232627 Gmdrm	hypo	CHG	-0.5629
Gm15	232757	232881 Gmdrm	hypo	CHG	-0.095
Gm15	234087	234376 Gmdrm	hypo	CHG	-0.0257
Gm15	246252	246399 Gmdrm	hypo	CHG	-0.552
Gm15	246751	246893 Gmdrm	hypo	CHG	-0.51
Gm15	252422	252595 Gmdrm	hypo	CHG	-0.5557
Gm15	255163	255276 Gmdrm	hypo	CHG	-0.4983
Gm15	261556	261635 Gmdrm	hypo	CHG	-0.0457

Gm15	261780	261993	Gmdrm	hypo	CHG	-0.0357
Gm15	264043	264410	Gmdrm	hypo	CHG	-0.0423
Gm15	272868	273012	Gmdrm	hypo	CHG	-0.6712
Gm15	273203	273322	Gmdrm	hypo	CHG	-0.7512
Gm15	294828	295010	Gmdrm	hypo	CHG	-0.43
Gm15	297128	297542	Gmdrm	hypo	CHG	-0.4892
Gm15	297973	298114	Gmdrm	hypo	CHG	-0.7756
Gm15	311864	312568	Gmdrm	hypo	CHG	-0.2356
Gm15	337857	337925	Gmdrm	hypo	CHG	-0.4888
Gm15	351074	351249	Gmdrm	hypo	CHG	-0.0217
Gm15	355192	355268	Gmdrm	hypo	CHG	-0.665
Gm15	364244	364375	Gmdrm	hypo	CHG	-0.0643
Gm15	370115	370656	Gmdrm	hypo	CHG	-0.6604
Gm15	395501	395704	Gmdrm	hypo	CHG	-0.2323
Gm15	395823	395882	Gmdrm	hypo	CHG	-0.0533
Gm15	397149	397266	Gmdrm	hypo	CHG	-0.4867
Gm15	397933	398122	Gmdrm	hypo	CHG	-0.6275
Gm15	402981	403212	Gmdrm	hypo	CHG	-0.0522
Gm15	410866	411183	Gmdrm	hypo	CHG	-0.7493
Gm15	413977	414150	Gmdrm	hypo	CHG	-0.64
Gm15	421469	421670	Gmdrm	hypo	CHG	-0.7423
Gm15	431114	431188	Gmdrm	hypo	CHG	-0.864
Gm15	439632	440082	Gmdrm	hypo	CHG	-0.8524
Gm15	442568	443019	Gmdrm	hypo	CHG	-0.1694
Gm15	455477	455555	Gmdrm	hypo	CHG	-0.028
Gm15	472424	472589	Gmdrm	hypo	CHG	-0.038
Gm15	475376	475432	Gmdrm	hypo	CHG	-0.218
Gm15	482602	483072	Gmdrm	hypo	CHG	-0.0371
Gm15	489696	489716	Gmdrm	hypo	CHG	-0.0725
Gm15	495804	495958	Gmdrm	hypo	CHG	-0.7742
Gm15	496609	496693	Gmdrm	hypo	CHG	-0.49
Gm15	503324	503531	Gmdrm	hypo	CHG	-0.4113
Gm15	507570	507812	Gmdrm	hypo	CHG	-0.8577
Gm15	508797	509066	Gmdrm	hypo	CHG	-0.7074
Gm15	510463	510652	Gmdrm	hypo	CHG	-0.537
Gm15	528584	528748	Gmdrm	hypo	CHG	-0.77
Gm15	531332	531608	Gmdrm	hypo	CHG	-0.084
Gm15	536432	536711	Gmdrm	hypo	CHG	-0.0681
Gm15	543288	543614	Gmdrm	hypo	CHG	-0.0293
Gm15	559891	560030	Gmdrm	hypo	CHG	-0.052
Gm15	561577	561755	Gmdrm	hypo	CHG	-0.045
Gm15	569828	569944	Gmdrm	hypo	CHG	-0.056
Gm15	583205	583218	Gmdrm	hypo	CHG	-0.812
Gm15	584441	584780	Gmdrm	hypo	CHG	-0.3667
Gm15	617557	617674	Gmdrm	hypo	CHG	-0.6
Gm15	617797	618052	Gmdrm	hypo	CHG	-0.7458

Gm15	623583	623935	Gmdrm	hypo	CHG	-0.352
Gm15	657829	658157	Gmdrm	hypo	CHG	-0.3407
Gm15	693145	693278	Gmdrm	hypo	CHG	-0.5063
Gm15	693549	693587	Gmdrm	hypo	CHG	-0.7583
Gm15	701599	702037	Gmdrm	hypo	CHG	-0.6559
Gm15	702363	702617	Gmdrm	hypo	CHG	-0.7293
Gm15	723354	723528	Gmdrm	hypo	CHG	-0.7047
Gm15	723975	724206	Gmdrm	hypo	CHG	-0.7058
Gm15	745420	745606	Gmdrm	hypo	CHG	-0.2024
Gm15	782920	783207	Gmdrm	hypo	CHG	-0.0328
Gm15	785053	785631	Gmdrm	hypo	CHG	-0.4972
Gm15	797079	797262	Gmdrm	hypo	CHG	-0.3683
Gm15	798060	798191	Gmdrm	hypo	CHG	-0.036
Gm15	803801	803865	Gmdrm	hypo	CHG	-0.1133
Gm15	809137	809348	Gmdrm	hypo	CHG	-0.035
Gm15	810589	810891	Gmdrm	hypo	CHG	-0.7859
Gm15	828697	829026	Gmdrm	hypo	CHG	-0.0629
Gm15	837922	838531	Gmdrm	hypo	CHG	-0.4087
Gm15	838636	838809	Gmdrm	hypo	CHG	-0.4915
Gm15	838942	839162	Gmdrm	hypo	CHG	-0.6
Gm15	845132	845291	Gmdrm	hypo	CHG	-0.9239
Gm15	855900	856139	Gmdrm	hypo	CHG	-0.7556
Gm15	881849	881937	Gmdrm	hypo	CHG	-0.7212
Gm15	892270	892390	Gmdrm	hypo	CHG	-0.085
Gm15	894989	895376	Gmdrm	hypo	CHG	-0.0617
Gm15	908219	908341	Gmdrm	hypo	CHG	-0.084
Gm15	920252	920506	Gmdrm	hypo	CHG	-0.0364
Gm15	959793	960136	Gmdrm	hypo	CHG	-0.3758
Gm15	970301	970434	Gmdrm	hypo	CHG	-0.8243
Gm15	974242	974629	Gmdrm	hypo	CHG	-0.355
Gm15	983265	983373	Gmdrm	hypo	CHG	-0.06
Gm15	985915	986122	Gmdrm	hypo	CHG	-0.032
Gm15	990834	990964	Gmdrm	hypo	CHG	-0.1516
Gm15	1017989	1018064	Gmdrm	hypo	CHG	-0.2015
Gm15	1018366	1018602	Gmdrm	hypo	CHG	-0.4985
Gm15	1019034	1019192	Gmdrm	hypo	CHG	-0.6717
Gm15	1025222	1025338	Gmdrm	hypo	CHG	-0.03
Gm15	1028344	1028488	Gmdrm	hypo	CHG	-0.621
Gm15	1034800	1035030	Gmdrm	hypo	CHG	-0.0343
Gm15	1041685	1041737	Gmdrm	hypo	CHG	-0.0889
Gm15	1047963	1048311	Gmdrm	hypo	CHG	-0.0362
Gm15	1057073	1057606	Gmdrm	hypo	CHG	-0.03
Gm15	1073970	1074344	Gmdrm	hypo	CHG	-0.23
Gm15	1097699	1097862	Gmdrm	hypo	CHG	-0.7659
Gm15	1103893	1103986	Gmdrm	hypo	CHG	-0.732
Gm15	1121779	1121901	Gmdrm	hypo	CHG	-0.5925

Gm15	1130564	1130807	Gmdrm	hypo	CHG	-0.7217
Gm15	1131049	1131197	Gmdrm	hypo	CHG	-0.235
Gm15	1132362	1132485	Gmdrm	hypo	CHG	-0.796
Gm15	1132639	1132686	Gmdrm	hypo	CHG	-0.8034
Gm15	1140177	1140362	Gmdrm	hypo	CHG	-0.0633
Gm15	1143240	1143357	Gmdrm	hypo	CHG	-0.0286
Gm15	1168408	1168528	Gmdrm	hypo	CHG	-0.8329
Gm15	1169287	1169489	Gmdrm	hypo	CHG	-0.1
Gm15	1176336	1176688	Gmdrm	hypo	CHG	-0.131
Gm15	1177765	1177892	Gmdrm	hypo	CHG	-0.0486
Gm15	1191547	1191869	Gmdrm	hypo	CHG	-0.7704
Gm15	1191970	1192283	Gmdrm	hypo	CHG	-0.6067
Gm15	1198766	1198907	Gmdrm	hypo	CHG	-0.9233
Gm15	1206759	1206905	Gmdrm	hypo	CHG	-0.6467
Gm15	1236840	1237041	Gmdrm	hypo	CHG	-0.0567
Gm15	1260470	1260792	Gmdrm	hypo	CHG	-0.4836
Gm15	1310510	1311472	Gmdrm	hypo	CHG	-0.3939
Gm15	1327410	1327728	Gmdrm	hypo	CHG	-0.685
Gm15	1332165	1332339	Gmdrm	hypo	CHG	-0.1554
Gm15	1334092	1334271	Gmdrm	hypo	CHG	-0.8075
Gm15	1359896	1360269	Gmdrm	hypo	CHG	-0.14
Gm15	1393892	1394053	Gmdrm	hypo	CHG	-0.0317
Gm15	1425557	1425841	Gmdrm	hypo	CHG	-0.532
Gm15	1428121	1428472	Gmdrm	hypo	CHG	-0.09
Gm15	1442050	1442274	Gmdrm	hypo	CHG	-0.0625
Gm15	1479083	1479443	Gmdrm	hypo	CHG	-0.3742
Gm15	1480985	1481041	Gmdrm	hypo	CHG	-0.028
Gm15	1516230	1516574	Gmdrm	hypo	CHG	-0.6917
Gm15	1516686	1516850	Gmdrm	hypo	CHG	-0.5
Gm15	1538441	1538506	Gmdrm	hypo	CHG	-0.9234
Gm15	1569268	1569504	Gmdrm	hypo	CHG	-0.9244
Gm15	1578204	1578515	Gmdrm	hypo	CHG	-0.7241
Gm15	1586908	1586997	Gmdrm	hypo	CHG	-0.0617
Gm15	1588743	1588821	Gmdrm	hypo	CHG	-0.664
Gm15	1589255	1589306	Gmdrm	hypo	CHG	-0.19
Gm15	1589655	1590334	Gmdrm	hypo	CHG	-0.3055
Gm15	1590446	1590531	Gmdrm	hypo	CHG	-0.6867
Gm15	1593206	1593503	Gmdrm	hypo	CHG	-0.0282
Gm15	1594508	1594748	Gmdrm	hypo	CHG	-0.6763
Gm15	1594853	1595374	Gmdrm	hypo	CHG	-0.7329
Gm15	1602502	1602638	Gmdrm	hypo	CHG	-0.76
Gm15	1602774	1603006	Gmdrm	hypo	CHG	-0.6528
Gm15	1603111	1603380	Gmdrm	hypo	CHG	-0.7118
Gm15	1610407	1610459	Gmdrm	hypo	CHG	-0.41
Gm15	1610937	1611106	Gmdrm	hypo	CHG	-0.762
Gm15	1628253	1628316	Gmdrm	hypo	CHG	-0.446

Gm15	1680954	1681135	Gmdrm	hypo	CHG	-0.5071
Gm15	1681270	1681380	Gmdrm	hypo	CHG	-0.64
Gm15	1692009	1692197	Gmdrm	hypo	CHG	-0.78
Gm15	1708579	1709253	Gmdrm	hypo	CHG	-0.45
Gm15	1729022	1729071	Gmdrm	hypo	CHG	-0.346
Gm15	1729333	1729361	Gmdrm	hypo	CHG	-0.2733
Gm15	1730690	1730887	Gmdrm	hypo	CHG	-0.0581
Gm15	1741613	1741917	Gmdrm	hypo	CHG	-0.0986
Gm15	1754005	1754172	Gmdrm	hypo	CHG	-0.058
Gm15	1755665	1755774	Gmdrm	hypo	CHG	-0.0688
Gm15	1761937	1762416	Gmdrm	hypo	CHG	-0.353
Gm15	1764424	1764667	Gmdrm	hypo	CHG	-0.32
Gm15	1765112	1765313	Gmdrm	hypo	CHG	-0.583
Gm15	1811127	1811313	Gmdrm	hypo	CHG	-0.0467
Gm15	1811944	1812410	Gmdrm	hypo	CHG	-0.462
Gm15	1812633	1813020	Gmdrm	hypo	CHG	-0.0218
Gm15	1818360	1818493	Gmdrm	hypo	CHG	-0.7914
Gm15	1818639	1818860	Gmdrm	hypo	CHG	-0.7529
Gm15	1822342	1822616	Gmdrm	hypo	CHG	-0.3618
Gm15	1845219	1845399	Gmdrm	hypo	CHG	-0.7838
Gm15	1845540	1845619	Gmdrm	hypo	CHG	-0.96
Gm15	1845772	1846058	Gmdrm	hypo	CHG	-0.939
Gm15	1855128	1855254	Gmdrm	hypo	CHG	-0.4813
Gm15	1861258	1861718	Gmdrm	hypo	CHG	-0.2686
Gm15	1866425	1867228	Gmdrm	hypo	CHG	-0.3125
Gm15	1868331	1868551	Gmdrm	hypo	CHG	-0.894
Gm15	1878449	1878584	Gmdrm	hypo	CHG	-0.623
Gm15	1878753	1878822	Gmdrm	hypo	CHG	-0.5972
Gm15	1899389	1899633	Gmdrm	hypo	CHG	-0.0233
Gm15	1947252	1947298	Gmdrm	hypo	CHG	-0.682
Gm15	1947494	1947669	Gmdrm	hypo	CHG	-0.11
Gm15	1950170	1950529	Gmdrm	hypo	CHG	-0.4665
Gm15	1952585	1952736	Gmdrm	hypo	CHG	-0.045
Gm15	1963955	1964162	Gmdrm	hypo	CHG	-0.0633
Gm15	1996932	1997112	Gmdrm	hypo	CHG	-0.3014
Gm15	2006915	2007349	Gmdrm	hypo	CHG	-0.6267
Gm15	2016173	2016239	Gmdrm	hypo	CHG	-0.5083
Gm15	2044354	2044742	Gmdrm	hypo	CHG	-0.7958
Gm15	2056787	2057017	Gmdrm	hypo	CHG	-0.0514
Gm15	2064126	2064301	Gmdrm	hypo	CHG	-0.032
Gm15	2086136	2086320	Gmdrm	hypo	CHG	-0.034
Gm15	2092950	2093199	Gmdrm	hypo	CHG	-0.04
Gm15	2097964	2098109	Gmdrm	hypo	CHG	-0.642
Gm15	2098467	2098836	Gmdrm	hypo	CHG	-0.1769
Gm15	2114043	2114141	Gmdrm	hypo	CHG	-0.522
Gm15	2118159	2118220	Gmdrm	hypo	CHG	-0.7125

Gm15	2120846	2120931	Gmdrm	hypo	CHG	-0.67
Gm15	2121513	2121655	Gmdrm	hypo	CHG	-0.865
Gm15	2149706	2149787	Gmdrm	hypo	CHG	-0.458
Gm15	2155397	2155817	Gmdrm	hypo	CHG	-0.3341
Gm15	2165247	2165391	Gmdrm	hypo	CHG	-0.4162
Gm15	2166179	2166421	Gmdrm	hypo	CHG	-0.6746
Gm15	2166529	2166655	Gmdrm	hypo	CHG	-0.6062
Gm15	2172501	2172873	Gmdrm	hypo	CHG	-0.0646
Gm15	2190538	2190944	Gmdrm	hypo	CHG	-0.5814
Gm15	2206599	2206785	Gmdrm	hypo	CHG	-0.0386
Gm15	2216339	2216500	Gmdrm	hypo	CHG	-0.0517
Gm15	2227378	2227547	Gmdrm	hypo	CHG	-0.4367
Gm15	2238320	2238860	Gmdrm	hypo	CHG	-0.3157
Gm15	2242301	2242436	Gmdrm	hypo	CHG	-0.7134
Gm15	2243213	2243317	Gmdrm	hypo	CHG	-0.8445
Gm15	2282337	2282634	Gmdrm	hypo	CHG	-0.03
Gm15	2283892	2284132	Gmdrm	hypo	CHG	-0.0516
Gm15	2286286	2286497	Gmdrm	hypo	CHG	-0.551
Gm15	2303587	2304333	Gmdrm	hypo	CHG	-0.8237
Gm15	2304472	2304988	Gmdrm	hypo	CHG	-0.256
Gm15	2314597	2314923	Gmdrm	hypo	CHG	-0.0384
Gm15	2320185	2320724	Gmdrm	hypo	CHG	-0.7563
Gm15	2322412	2322776	Gmdrm	hypo	CHG	-0.6511
Gm15	2323474	2324214	Gmdrm	hypo	CHG	-0.4762
Gm15	2354630	2354862	Gmdrm	hypo	CHG	-0.0578
Gm15	2357362	2357526	Gmdrm	hypo	CHG	-0.0963
Gm15	2362291	2362352	Gmdrm	hypo	CHG	-0.4533
Gm15	2395757	2396214	Gmdrm	hypo	CHG	-0.402
Gm15	2403421	2403626	Gmdrm	hypo	CHG	-0.0788
Gm15	2417968	2418172	Gmdrm	hypo	CHG	-0.4183
Gm15	2432220	2432437	Gmdrm	hypo	CHG	-0.7229
Gm15	2446518	2446736	Gmdrm	hypo	CHG	-0.335
Gm15	2452403	2452656	Gmdrm	hypo	CHG	-0.05
Gm15	2457501	2457548	Gmdrm	hypo	CHG	-0.394
Gm15	2457791	2458078	Gmdrm	hypo	CHG	-0.461
Gm15	2502783	2502871	Gmdrm	hypo	CHG	-0.0425
Gm15	2505570	2506350	Gmdrm	hypo	CHG	-0.2481
Gm15	2508136	2508464	Gmdrm	hypo	CHG	-0.2516
Gm15	2547140	2547300	Gmdrm	hypo	CHG	-0.05
Gm15	2552910	2553243	Gmdrm	hypo	CHG	-0.099
Gm15	2599701	2599997	Gmdrm	hypo	CHG	-0.0617
Gm15	2603733	2603786	Gmdrm	hypo	CHG	-0.93
Gm15	2604092	2604242	Gmdrm	hypo	CHG	-0.425
Gm15	2627748	2627965	Gmdrm	hypo	CHG	-0.046
Gm15	2643180	2643385	Gmdrm	hypo	CHG	-0.6922
Gm15	2651590	2651756	Gmdrm	hypo	CHG	-0.0417

Gm15	2681024	2681391	Gmdrm	hypo	CHG	-0.6791
Gm15	2681602	2681625	Gmdrm	hypo	CHG	-0.05
Gm15	2713580	2713687	Gmdrm	hypo	CHG	-0.2314
Gm15	2756241	2756309	Gmdrm	hypo	CHG	-0.025
Gm15	2809098	2809404	Gmdrm	hypo	CHG	-0.1175
Gm15	2812176	2812369	Gmdrm	hypo	CHG	-0.06
Gm15	2814523	2814661	Gmdrm	hypo	CHG	-0.8178
Gm15	2816247	2816330	Gmdrm	hypo	CHG	-0.5117
Gm15	2821579	2821674	Gmdrm	hypo	CHG	-0.1484
Gm15	2821816	2822104	Gmdrm	hypo	CHG	-0.8606
Gm15	2822312	2822490	Gmdrm	hypo	CHG	-0.7926
Gm15	2822808	2822834	Gmdrm	hypo	CHG	-0.464
Gm15	2824941	2825109	Gmdrm	hypo	CHG	-0.0649
Gm15	2845901	2846028	Gmdrm	hypo	CHG	-0.8933
Gm15	2846719	2846900	Gmdrm	hypo	CHG	-0.8871
Gm15	2858813	2859099	Gmdrm	hypo	CHG	-0.8262
Gm15	2859651	2859702	Gmdrm	hypo	CHG	-0.405
Gm15	2873218	2873360	Gmdrm	hypo	CHG	-0.366
Gm15	2881949	2882042	Gmdrm	hypo	CHG	-0.062
Gm15	2907438	2907618	Gmdrm	hypo	CHG	-0.7114
Gm15	2908821	2908873	Gmdrm	hypo	CHG	-0.7484
Gm15	2919948	2920090	Gmdrm	hypo	CHG	-0.6525
Gm15	2933595	2933778	Gmdrm	hypo	CHG	-0.3077
Gm15	2962968	2963194	Gmdrm	hypo	CHG	-0.1463
Gm15	2963359	2963539	Gmdrm	hypo	CHG	-0.5833
Gm15	2981900	2982173	Gmdrm	hypo	CHG	-0.4543
Gm15	2988100	2988278	Gmdrm	hypo	CHG	-0.116
Gm15	3031999	3032297	Gmdrm	hypo	CHG	-0.0371
Gm15	3037056	3037389	Gmdrm	hypo	CHG	-0.0444
Gm15	3056173	3056497	Gmdrm	hypo	CHG	-0.3716
Gm15	3056623	3056823	Gmdrm	hypo	CHG	-0.7633
Gm15	3066936	3067008	Gmdrm	hypo	CHG	-0.0571
Gm15	3076027	3077027	Gmdrm	hypo	CHG	-0.5091
Gm15	3077029	3077090	Gmdrm	hypo	CHG	-0.8542
Gm15	3082571	3082797	Gmdrm	hypo	CHG	-0.4949
Gm15	3097402	3097496	Gmdrm	hypo	CHG	-0.7016
Gm15	3105885	3105965	Gmdrm	hypo	CHG	-0.046
Gm15	3118753	3118951	Gmdrm	hypo	CHG	-0.12
Gm15	3134042	3134174	Gmdrm	hypo	CHG	-0.038
Gm15	3160520	3160833	Gmdrm	hypo	CHG	-0.1433
Gm15	3170373	3170469	Gmdrm	hypo	CHG	-0.89
Gm15	3172370	3172396	Gmdrm	hypo	CHG	-0.55
Gm15	3175088	3175451	Gmdrm	hypo	CHG	-0.8645
Gm15	3198904	3199021	Gmdrm	hypo	CHG	-0.5457
Gm15	3215195	3215390	Gmdrm	hypo	CHG	-0.6115
Gm15	3272059	3272305	Gmdrm	hypo	CHG	-0.0533

Gm15	3280887	3281073	Gmdrm	hypo	CHG	-0.4189
Gm15	3281577	3281728	Gmdrm	hypo	CHG	-0.3146
Gm15	3287183	3287394	Gmdrm	hypo	CHG	-0.1057
Gm15	3287963	3288155	Gmdrm	hypo	CHG	-0.7515
Gm15	3304683	3304961	Gmdrm	hypo	CHG	-0.7072
Gm15	3306096	3306143	Gmdrm	hypo	CHG	-0.9033
Gm15	3313332	3313578	Gmdrm	hypo	CHG	-0.055
Gm15	3315866	3316032	Gmdrm	hypo	CHG	-0.0314
Gm15	3333026	3333551	Gmdrm	hypo	CHG	-0.3081
Gm15	3333885	3334282	Gmdrm	hypo	CHG	-0.3343
Gm15	3357498	3357706	Gmdrm	hypo	CHG	-0.1
Gm15	3358845	3359030	Gmdrm	hypo	CHG	-0.0543
Gm15	3395582	3396385	Gmdrm	hypo	CHG	-0.027
Gm15	3432683	3432925	Gmdrm	hypo	CHG	-0.4495
Gm15	3473433	3473912	Gmdrm	hypo	CHG	-0.4811
Gm15	3535344	3535638	Gmdrm	hypo	CHG	-0.4729
Gm15	3535849	3536139	Gmdrm	hypo	CHG	-0.4982
Gm15	3536725	3536786	Gmdrm	hypo	CHG	-0.605
Gm15	3547281	3547401	Gmdrm	hypo	CHG	-0.472
Gm15	3547665	3547889	Gmdrm	hypo	CHG	-0.075
Gm15	3556592	3557151	Gmdrm	hypo	CHG	-0.0643
Gm15	3600458	3600467	Gmdrm	hypo	CHG	-0.065
Gm15	3603160	3603329	Gmdrm	hypo	CHG	-0.8938
Gm15	3615267	3615508	Gmdrm	hypo	CHG	-0.8668
Gm15	3615743	3615837	Gmdrm	hypo	CHG	-0.9038
Gm15	3615941	3616081	Gmdrm	hypo	CHG	-0.061
Gm15	3616267	3616562	Gmdrm	hypo	CHG	-0.4673
Gm15	3636419	3636630	Gmdrm	hypo	CHG	-0.4372
Gm15	3639255	3639422	Gmdrm	hypo	CHG	-0.3372
Gm15	3663580	3663854	Gmdrm	hypo	CHG	-0.88
Gm15	3663979	3663993	Gmdrm	hypo	CHG	-0.5467
Gm15	3678140	3678383	Gmdrm	hypo	CHG	-0.8382
Gm15	3679831	3679953	Gmdrm	hypo	CHG	-0.054
Gm15	3697705	3697920	Gmdrm	hypo	CHG	-0.397
Gm15	3701206	3701391	Gmdrm	hypo	CHG	-0.0763
Gm15	3712389	3712747	Gmdrm	hypo	CHG	-0.5112
Gm15	3725009	3725427	Gmdrm	hypo	CHG	-0.0587
Gm15	3735279	3735480	Gmdrm	hypo	CHG	-0.0683
Gm15	3739013	3739231	Gmdrm	hypo	CHG	-0.0558
Gm15	3744152	3744269	Gmdrm	hypo	CHG	-0.058
Gm15	3744515	3744568	Gmdrm	hypo	CHG	-0.038
Gm15	3773275	3773410	Gmdrm	hypo	CHG	-0.022
Gm15	3784982	3785055	Gmdrm	hypo	CHG	-0.058
Gm15	3797975	3798253	Gmdrm	hypo	CHG	-0.5642
Gm15	3798595	3798859	Gmdrm	hypo	CHG	-0.6933
Gm15	3799070	3799308	Gmdrm	hypo	CHG	-0.2121

Gm15	3841963	3842319	Gmdrm	hypo	CHG	-0.6505
Gm15	3860977	3861111	Gmdrm	hypo	CHG	-0.024
Gm15	3866470	3866712	Gmdrm	hypo	CHG	-0.6491
Gm15	3868298	3868475	Gmdrm	hypo	CHG	-0.15
Gm15	3868864	3869076	Gmdrm	hypo	CHG	-0.42
Gm15	3875336	3875581	Gmdrm	hypo	CHG	-0.0525
Gm15	3910987	3911242	Gmdrm	hypo	CHG	-0.5627
Gm15	3924030	3924559	Gmdrm	hypo	CHG	-0.5562
Gm15	3936294	3936500	Gmdrm	hypo	CHG	-0.2433
Gm15	3950835	3950889	Gmdrm	hypo	CHG	-0.174
Gm15	3979641	3979977	Gmdrm	hypo	CHG	-0.04
Gm15	3986271	3986609	Gmdrm	hypo	CHG	-0.5022
Gm15	4000062	4000207	Gmdrm	hypo	CHG	-0.1134
Gm15	4000316	4000599	Gmdrm	hypo	CHG	-0.0367
Gm15	4034056	4034600	Gmdrm	hypo	CHG	-0.8021
Gm15	4056041	4056460	Gmdrm	hypo	CHG	-0.05
Gm15	4060908	4061209	Gmdrm	hypo	CHG	-0.03
Gm15	4070655	4070822	Gmdrm	hypo	CHG	-0.2213
Gm15	4094980	4095620	Gmdrm	hypo	CHG	-0.4554
Gm15	4106243	4106417	Gmdrm	hypo	CHG	-0.4734
Gm15	4106547	4106628	Gmdrm	hypo	CHG	-0.2644
Gm15	4107052	4107102	Gmdrm	hypo	CHG	-0.174
Gm15	4107233	4107414	Gmdrm	hypo	CHG	-0.2965
Gm15	4168149	4168239	Gmdrm	hypo	CHG	-0.95
Gm15	4168372	4168695	Gmdrm	hypo	CHG	-0.7964
Gm15	4168802	4169040	Gmdrm	hypo	CHG	-0.7717
Gm15	4170532	4170622	Gmdrm	hypo	CHG	-0.048
Gm15	4191141	4191337	Gmdrm	hypo	CHG	-0.5
Gm15	4213026	4213266	Gmdrm	hypo	CHG	-0.245
Gm15	4217443	4217508	Gmdrm	hypo	CHG	-0.814
Gm15	4251118	4251206	Gmdrm	hypo	CHG	-0.5516
Gm15	4263235	4263482	Gmdrm	hypo	CHG	-0.4679
Gm15	4273070	4273128	Gmdrm	hypo	CHG	-0.665
Gm15	4279120	4279562	Gmdrm	hypo	CHG	-0.5856
Gm15	4311646	4311835	Gmdrm	hypo	CHG	-0.4183
Gm15	4342955	4343203	Gmdrm	hypo	CHG	-0.0556
Gm15	4345204	4345481	Gmdrm	hypo	CHG	-0.0713
Gm15	4350198	4350355	Gmdrm	hypo	CHG	-0.07
Gm15	4351039	4351364	Gmdrm	hypo	CHG	-0.8415
Gm15	4353518	4353764	Gmdrm	hypo	CHG	-0.1642
Gm15	4355421	4355738	Gmdrm	hypo	CHG	-0.7767
Gm15	4376488	4376960	Gmdrm	hypo	CHG	-0.345
Gm15	4397848	4398100	Gmdrm	hypo	CHG	-0.2374
Gm15	4415007	4415272	Gmdrm	hypo	CHG	-0.86
Gm15	4423686	4423778	Gmdrm	hypo	CHG	-0.3217
Gm15	4423930	4424099	Gmdrm	hypo	CHG	-0.4322

Gm15	4424219	4424366	Gmdrm	hypo	CHG	-0.044
Gm15	4431140	4431403	Gmdrm	hypo	CHG	-0.035
Gm15	4440469	4440825	Gmdrm	hypo	CHG	-0.7907
Gm15	4469745	4469942	Gmdrm	hypo	CHG	-0.356
Gm15	4493906	4493935	Gmdrm	hypo	CHG	-0.0416
Gm15	4499499	4499612	Gmdrm	hypo	CHG	-0.1658
Gm15	4500024	4500155	Gmdrm	hypo	CHG	-0.7873
Gm15	4512777	4512910	Gmdrm	hypo	CHG	-0.8353
Gm15	4513223	4513337	Gmdrm	hypo	CHG	-0.925
Gm15	4513515	4513635	Gmdrm	hypo	CHG	-0.8925
Gm15	4530122	4530229	Gmdrm	hypo	CHG	-0.4028
Gm15	4578822	4579205	Gmdrm	hypo	CHG	-0.3287
Gm15	4590821	4591821	Gmdrm	hypo	CHG	-0.1655
Gm15	4608848	4609040	Gmdrm	hypo	CHG	-0.0433
Gm15	4621315	4621417	Gmdrm	hypo	CHG	-0.056
Gm15	4624963	4625169	Gmdrm	hypo	CHG	-0.0475
Gm15	4635145	4635416	Gmdrm	hypo	CHG	-0.0572
Gm15	4655940	4656079	Gmdrm	hypo	CHG	-0.8675
Gm15	4676239	4676701	Gmdrm	hypo	CHG	-0.0335
Gm15	4686327	4686848	Gmdrm	hypo	CHG	-0.7588
Gm15	4692638	4692911	Gmdrm	hypo	CHG	-0.3631
Gm15	4693056	4693596	Gmdrm	hypo	CHG	-0.3114
Gm15	4693708	4693942	Gmdrm	hypo	CHG	-0.2389
Gm15	4695889	4696196	Gmdrm	hypo	CHG	-0.0364
Gm15	4700019	4700279	Gmdrm	hypo	CHG	-0.2332
Gm15	4700544	4700665	Gmdrm	hypo	CHG	-0.5366
Gm15	4707722	4707927	Gmdrm	hypo	CHG	-0.088
Gm15	4728501	4728858	Gmdrm	hypo	CHG	-0.0292
Gm15	4729157	4729361	Gmdrm	hypo	CHG	-0.372
Gm15	4734242	4734405	Gmdrm	hypo	CHG	-0.875
Gm15	4734535	4734678	Gmdrm	hypo	CHG	-0.33
Gm15	4764891	4765134	Gmdrm	hypo	CHG	-0.7147
Gm15	4765440	4765614	Gmdrm	hypo	CHG	-0.5686
Gm15	4785577	4785664	Gmdrm	hypo	CHG	-0.056
Gm15	4808227	4808391	Gmdrm	hypo	CHG	-0.4857
Gm15	4809959	4810014	Gmdrm	hypo	CHG	-0.4114
Gm15	4823666	4823817	Gmdrm	hypo	CHG	-0.4015
Gm15	4823969	4824095	Gmdrm	hypo	CHG	-0.2989
Gm15	4849222	4849386	Gmdrm	hypo	CHG	-0.042
Gm15	4874758	4874858	Gmdrm	hypo	CHG	-0.21
Gm15	4904155	4904422	Gmdrm	hypo	CHG	-0.1141
Gm15	4912288	4912519	Gmdrm	hypo	CHG	-0.2975
Gm15	4937321	4937862	Gmdrm	hypo	CHG	-0.1189
Gm15	4946470	4946504	Gmdrm	hypo	CHG	-0.072
Gm15	4964092	4964250	Gmdrm	hypo	CHG	-0.7343
Gm15	4978303	4978552	Gmdrm	hypo	CHG	-0.7163

Gm15	4979368	4979502	Gmdrm	hypo	CHG	-0.2425
Gm15	5029114	5029528	Gmdrm	hypo	CHG	-0.04
Gm15	5031109	5031293	Gmdrm	hypo	CHG	-0.028
Gm15	5036513	5036685	Gmdrm	hypo	CHG	-0.4229
Gm15	5037213	5037377	Gmdrm	hypo	CHG	-0.6644
Gm15	5037535	5037685	Gmdrm	hypo	CHG	-0.8578
Gm15	5080242	5080328	Gmdrm	hypo	CHG	-0.756
Gm15	5080583	5080720	Gmdrm	hypo	CHG	-0.615
Gm15	5090880	5090949	Gmdrm	hypo	CHG	-0.335
Gm15	5091797	5092265	Gmdrm	hypo	CHG	-0.2128
Gm15	5113012	5113081	Gmdrm	hypo	CHG	-0.046
Gm15	5122127	5122515	Gmdrm	hypo	CHG	-0.3686
Gm15	5132331	5132446	Gmdrm	hypo	CHG	-0.7328
Gm15	5132689	5132807	Gmdrm	hypo	CHG	-0.688
Gm15	5133244	5133310	Gmdrm	hypo	CHG	-0.535
Gm15	5154830	5154937	Gmdrm	hypo	CHG	-0.4667
Gm15	5155170	5155321	Gmdrm	hypo	CHG	-0.66
Gm15	5181250	5181435	Gmdrm	hypo	CHG	-0.0756
Gm15	5185220	5185282	Gmdrm	hypo	CHG	-0.694
Gm15	5206556	5206663	Gmdrm	hypo	CHG	-0.06
Gm15	5210217	5210402	Gmdrm	hypo	CHG	-0.1273
Gm15	5211864	5212047	Gmdrm	hypo	CHG	-0.0442
Gm15	5219138	5219296	Gmdrm	hypo	CHG	-0.1366
Gm15	5255363	5255450	Gmdrm	hypo	CHG	-0.048
Gm15	5264976	5265045	Gmdrm	hypo	CHG	-0.674
Gm15	5285643	5285829	Gmdrm	hypo	CHG	-0.757
Gm15	5292217	5292314	Gmdrm	hypo	CHG	-0.6624
Gm15	5304394	5304590	Gmdrm	hypo	CHG	-0.127
Gm15	5328096	5328619	Gmdrm	hypo	CHG	-0.1826
Gm15	5351926	5351988	Gmdrm	hypo	CHG	-0.135
Gm15	5378790	5379517	Gmdrm	hypo	CHG	-0.3559
Gm15	5379635	5379680	Gmdrm	hypo	CHG	-0.714
Gm15	5380557	5380778	Gmdrm	hypo	CHG	-0.5817
Gm15	5396197	5396408	Gmdrm	hypo	CHG	-0.4686
Gm15	5398776	5398905	Gmdrm	hypo	CHG	-0.4933
Gm15	5424308	5424556	Gmdrm	hypo	CHG	-0.7364
Gm15	5426146	5426695	Gmdrm	hypo	CHG	-0.3337
Gm15	5429209	5429227	Gmdrm	hypo	CHG	-0.038
Gm15	5451539	5451627	Gmdrm	hypo	CHG	-0.69
Gm15	5458315	5458402	Gmdrm	hypo	CHG	-0.1955
Gm15	5488629	5489622	Gmdrm	hypo	CHG	-0.1584
Gm15	5491803	5492218	Gmdrm	hypo	CHG	-0.192
Gm15	5500447	5500624	Gmdrm	hypo	CHG	-0.036
Gm15	5523201	5523367	Gmdrm	hypo	CHG	-0.064
Gm15	5525828	5526092	Gmdrm	hypo	CHG	-0.3668
Gm15	5526245	5526348	Gmdrm	hypo	CHG	-0.3375

Gm15	5530846	5531227 Gmdrm	hypo	CHG	-0.8985
Gm15	5531598	5532090 Gmdrm	hypo	CHG	-0.5171
Gm15	5536898	5537340 Gmdrm	hypo	CHG	-0.7412
Gm15	5545526	5545673 Gmdrm	hypo	CHG	-0.4683
Gm15	5550355	5550454 Gmdrm	hypo	CHG	-0.74
Gm15	5550656	5550868 Gmdrm	hypo	CHG	-0.9408
Gm15	5551155	5551259 Gmdrm	hypo	CHG	-0.57
Gm15	5564552	5564869 Gmdrm	hypo	CHG	-0.4916
Gm15	5564991	5565125 Gmdrm	hypo	CHG	-0.74
Gm15	5565243	5565346 Gmdrm	hypo	CHG	-0.1
Gm15	5569099	5569222 Gmdrm	hypo	CHG	-0.046
Gm15	5591273	5591528 Gmdrm	hypo	CHG	-0.0757
Gm15	5608300	5608708 Gmdrm	hypo	CHG	-0.025
Gm15	5613023	5613347 Gmdrm	hypo	CHG	-0.0634
Gm15	5620127	5620283 Gmdrm	hypo	CHG	-0.3717
Gm15	5629700	5629994 Gmdrm	hypo	CHG	-0.8321
Gm15	5635516	5636118 Gmdrm	hypo	CHG	-0.091
Gm15	5642469	5642568 Gmdrm	hypo	CHG	-0.4314
Gm15	5642898	5643091 Gmdrm	hypo	CHG	-0.2066
Gm15	5643326	5643470 Gmdrm	hypo	CHG	-0.533
Gm15	5688640	5688727 Gmdrm	hypo	CHG	-0.5784
Gm15	5694770	5695223 Gmdrm	hypo	CHG	-0.0809
Gm15	5714242	5714386 Gmdrm	hypo	CHG	-0.5783
Gm15	5715395	5715410 Gmdrm	hypo	CHG	-0.436
Gm15	5724672	5725264 Gmdrm	hypo	CHG	-0.1243
Gm15	5725403	5725602 Gmdrm	hypo	CHG	-0.6087
Gm15	5765604	5765711 Gmdrm	hypo	CHG	-0.0243
Gm15	5780498	5780662 Gmdrm	hypo	CHG	-0.7586
Gm15	5780798	5780993 Gmdrm	hypo	CHG	-0.7429
Gm15	5788832	5788983 Gmdrm	hypo	CHG	-0.6187
Gm15	5789103	5789387 Gmdrm	hypo	CHG	-0.3778
Gm15	5790906	5791135 Gmdrm	hypo	CHG	-0.0357
Gm15	5845137	5845581 Gmdrm	hypo	CHG	-0.712
Gm15	5885888	5885973 Gmdrm	hypo	CHG	-0.0783
Gm15	5911406	5911437 Gmdrm	hypo	CHG	-0.08
Gm15	5932705	5932734 Gmdrm	hypo	CHG	-0.398
Gm15	5946767	5946909 Gmdrm	hypo	CHG	-0.0683
Gm15	5957777	5957969 Gmdrm	hypo	CHG	-0.57
Gm15	5968349	5968667 Gmdrm	hypo	CHG	-0.4153
Gm15	5980250	5980303 Gmdrm	hypo	CHG	-0.7467
Gm15	5980561	5980660 Gmdrm	hypo	CHG	-0.5213
Gm15	5980766	5981239 Gmdrm	hypo	CHG	-0.8995
Gm15	5995301	5995916 Gmdrm	hypo	CHG	-0.9059
Gm15	6002602	6003004 Gmdrm	hypo	CHG	-0.7059
Gm15	6025772	6025823 Gmdrm	hypo	CHG	-0.582
Gm15	6028817	6028963 Gmdrm	hypo	CHG	-0.045

Gm15	6043569	6043885 Gmdrm	hypo	CHG	-0.8966
Gm15	6056468	6056937 Gmdrm	hypo	CHG	-0.3462
Gm15	6062777	6062959 Gmdrm	hypo	CHG	-0.066
Gm15	6069011	6069334 Gmdrm	hypo	CHG	-0.513
Gm15	6069871	6070096 Gmdrm	hypo	CHG	-0.87
Gm15	6083349	6083831 Gmdrm	hypo	CHG	-0.4033
Gm15	6087199	6087440 Gmdrm	hypo	CHG	-0.0417
Gm15	6096710	6096846 Gmdrm	hypo	CHG	-0.54
Gm15	6097399	6097509 Gmdrm	hypo	CHG	-0.8467
Gm15	6097747	6097898 Gmdrm	hypo	CHG	-0.06
Gm15	6102846	6103042 Gmdrm	hypo	CHG	-0.03
Gm15	6124797	6125031 Gmdrm	hypo	CHG	-0.5536
Gm15	6140158	6140400 Gmdrm	hypo	CHG	-0.036
Gm15	6157843	6158267 Gmdrm	hypo	CHG	-0.488
Gm15	6165010	6165121 Gmdrm	hypo	CHG	-0.755
Gm15	6165259	6165395 Gmdrm	hypo	CHG	-0.351
Gm15	6169952	6170031 Gmdrm	hypo	CHG	-0.408
Gm15	6171503	6171674 Gmdrm	hypo	CHG	-0.7427
Gm15	6174117	6174457 Gmdrm	hypo	CHG	-0.4631
Gm15	6195120	6195525 Gmdrm	hypo	CHG	-0.2467
Gm15	6202579	6202695 Gmdrm	hypo	CHG	-0.0633
Gm15	6210004	6210235 Gmdrm	hypo	CHG	-0.4787
Gm15	6210380	6210497 Gmdrm	hypo	CHG	-0.0657
Gm15	6217355	6217591 Gmdrm	hypo	CHG	-0.0431
Gm15	6221623	6221780 Gmdrm	hypo	CHG	-0.06
Gm15	6230144	6230223 Gmdrm	hypo	CHG	-0.7833
Gm15	6230348	6230457 Gmdrm	hypo	CHG	-0.8443
Gm15	6251657	6251687 Gmdrm	hypo	CHG	-0.8
Gm15	6251788	6251880 Gmdrm	hypo	CHG	-0.73
Gm15	6259922	6260043 Gmdrm	hypo	CHG	-0.557
Gm15	6260315	6260435 Gmdrm	hypo	CHG	-0.6055
Gm15	6260585	6260715 Gmdrm	hypo	CHG	-0.04
Gm15	6290708	6290900 Gmdrm	hypo	CHG	-0.533
Gm15	6293408	6293475 Gmdrm	hypo	CHG	-0.26
Gm15	6293829	6293896 Gmdrm	hypo	CHG	-0.156
Gm15	6310789	6311101 Gmdrm	hypo	CHG	-0.6859
Gm15	6311216	6311417 Gmdrm	hypo	CHG	-0.2255
Gm15	6344310	6344423 Gmdrm	hypo	CHG	-0.693
Gm15	6356030	6356346 Gmdrm	hypo	CHG	-0.3038
Gm15	6373839	6373923 Gmdrm	hypo	CHG	-0.41
Gm15	6430389	6430549 Gmdrm	hypo	CHG	-0.034
Gm15	6437976	6437997 Gmdrm	hypo	CHG	-0.6883
Gm15	6438145	6438187 Gmdrm	hypo	CHG	-0.5514
Gm15	6439112	6439551 Gmdrm	hypo	CHG	-0.137
Gm15	6439930	6440016 Gmdrm	hypo	CHG	-0.6045
Gm15	6450074	6450188 Gmdrm	hypo	CHG	-0.6022

Gm15	6460179	6460355 Gmdrm	hypo	CHG	-0.3914
Gm15	6468846	6468941 Gmdrm	hypo	CHG	-0.0483
Gm15	6472005	6472088 Gmdrm	hypo	CHG	-0.4783
Gm15	6500788	6501327 Gmdrm	hypo	CHG	-0.4778
Gm15	6505221	6505471 Gmdrm	hypo	CHG	-0.5294
Gm15	6509641	6509726 Gmdrm	hypo	CHG	-0.036
Gm15	6518513	6518908 Gmdrm	hypo	CHG	-0.0437
Gm15	6529963	6530126 Gmdrm	hypo	CHG	-0.45
Gm15	6530318	6530543 Gmdrm	hypo	CHG	-0.3033
Gm15	6563984	6564256 Gmdrm	hypo	CHG	-0.6633
Gm15	6570374	6570646 Gmdrm	hypo	CHG	-0.0218
Gm15	6576252	6576356 Gmdrm	hypo	CHG	-0.9013
Gm15	6585352	6585742 Gmdrm	hypo	CHG	-0.036
Gm15	6640431	6640573 Gmdrm	hypo	CHG	-0.2316
Gm15	6651336	6651777 Gmdrm	hypo	CHG	-0.6052
Gm15	6651900	6652011 Gmdrm	hypo	CHG	-0.08
Gm15	6652585	6652972 Gmdrm	hypo	CHG	-0.8896
Gm15	6660791	6660930 Gmdrm	hypo	CHG	-0.3505
Gm15	6661106	6661294 Gmdrm	hypo	CHG	-0.4675
Gm15	6670007	6670216 Gmdrm	hypo	CHG	-0.465
Gm15	6676254	6676522 Gmdrm	hypo	CHG	-0.7885
Gm15	6676634	6676811 Gmdrm	hypo	CHG	-0.848
Gm15	6742649	6742796 Gmdrm	hypo	CHG	-0.6683
Gm15	6743053	6743208 Gmdrm	hypo	CHG	-0.86
Gm15	6765231	6765397 Gmdrm	hypo	CHG	-0.4445
Gm15	6778269	6779240 Gmdrm	hypo	CHG	-0.5419
Gm15	6779502	6779709 Gmdrm	hypo	CHG	-0.3617
Gm15	6786131	6786443 Gmdrm	hypo	CHG	-0.469
Gm15	6791027	6791204 Gmdrm	hypo	CHG	-0.0429
Gm15	6794054	6794363 Gmdrm	hypo	CHG	-0.3756
Gm15	6808200	6808326 Gmdrm	hypo	CHG	-0.506
Gm15	6808850	6809310 Gmdrm	hypo	CHG	-0.2915
Gm15	6816086	6816214 Gmdrm	hypo	CHG	-0.0385
Gm15	6870991	6871074 Gmdrm	hypo	CHG	-0.2662
Gm15	6890566	6890722 Gmdrm	hypo	CHG	-0.6425
Gm15	6897261	6897365 Gmdrm	hypo	CHG	-0.39
Gm15	6905697	6905774 Gmdrm	hypo	CHG	-0.69
Gm15	6929227	6929341 Gmdrm	hypo	CHG	-0.1423
Gm15	6934009	6934063 Gmdrm	hypo	CHG	-0.5966
Gm15	6937307	6937512 Gmdrm	hypo	CHG	-0.07
Gm15	6939431	6939513 Gmdrm	hypo	CHG	-0.865
Gm15	6947952	6948303 Gmdrm	hypo	CHG	-0.041
Gm15	6965815	6966000 Gmdrm	hypo	CHG	-0.7109
Gm15	6966420	6966522 Gmdrm	hypo	CHG	-0.7456
Gm15	6969548	6969625 Gmdrm	hypo	CHG	-0.0343
Gm15	6972380	6972505 Gmdrm	hypo	CHG	-0.092

Gm15	6996330	6996547	Gmdrm	hypo	CHG	-0.07
Gm15	7023258	7023762	Gmdrm	hypo	CHG	-0.7854
Gm15	7025232	7025259	Gmdrm	hypo	CHG	-0.796
Gm15	7043520	7043631	Gmdrm	hypo	CHG	-0.6943
Gm15	7043785	7043956	Gmdrm	hypo	CHG	-0.2614
Gm15	7047222	7047362	Gmdrm	hypo	CHG	-0.03
Gm15	7060368	7060527	Gmdrm	hypo	CHG	-0.3727
Gm15	7067000	7067252	Gmdrm	hypo	CHG	-0.0422
Gm15	7069580	7069737	Gmdrm	hypo	CHG	-0.5656
Gm15	7069877	7069918	Gmdrm	hypo	CHG	-0.6937
Gm15	7070971	7071025	Gmdrm	hypo	CHG	-0.814
Gm15	7128695	7128828	Gmdrm	hypo	CHG	-0.4717
Gm15	7129238	7129462	Gmdrm	hypo	CHG	-0.6882
Gm15	7155489	7155724	Gmdrm	hypo	CHG	-0.704
Gm15	7156233	7156424	Gmdrm	hypo	CHG	-0.7844
Gm15	7156852	7157099	Gmdrm	hypo	CHG	-0.5772
Gm15	7157781	7157855	Gmdrm	hypo	CHG	-0.429
Gm15	7203223	7203474	Gmdrm	hypo	CHG	-0.61
Gm15	7248238	7248724	Gmdrm	hypo	CHG	-0.2053
Gm15	7262096	7262194	Gmdrm	hypo	CHG	-0.04
Gm15	7262705	7262871	Gmdrm	hypo	CHG	-0.819
Gm15	7263027	7263125	Gmdrm	hypo	CHG	-0.582
Gm15	7267882	7268291	Gmdrm	hypo	CHG	-0.0445
Gm15	7283263	7283352	Gmdrm	hypo	CHG	-0.5133
Gm15	7302925	7303063	Gmdrm	hypo	CHG	-0.6712
Gm15	7303886	7304088	Gmdrm	hypo	CHG	-0.8314
Gm15	7307260	7307342	Gmdrm	hypo	CHG	-0.2171
Gm15	7327843	7328040	Gmdrm	hypo	CHG	-0.7338
Gm15	7354668	7354865	Gmdrm	hypo	CHG	-0.0567
Gm15	7369022	7369216	Gmdrm	hypo	CHG	-0.8817
Gm15	7388059	7388329	Gmdrm	hypo	CHG	-0.0627
Gm15	7390036	7390285	Gmdrm	hypo	CHG	-0.3879
Gm15	7390393	7390460	Gmdrm	hypo	CHG	-0.637
Gm15	7390571	7390692	Gmdrm	hypo	CHG	-0.3888
Gm15	7390834	7390994	Gmdrm	hypo	CHG	-0.0814
Gm15	7398480	7398774	Gmdrm	hypo	CHG	-0.8794
Gm15	7399269	7399382	Gmdrm	hypo	CHG	-0.8586
Gm15	7412539	7412660	Gmdrm	hypo	CHG	-0.5914
Gm15	7414113	7414242	Gmdrm	hypo	CHG	-0.076
Gm15	7426827	7427140	Gmdrm	hypo	CHG	-0.4064
Gm15	7451686	7451857	Gmdrm	hypo	CHG	-0.2556
Gm15	7462120	7462283	Gmdrm	hypo	CHG	-0.1
Gm15	7462390	7462519	Gmdrm	hypo	CHG	-0.618
Gm15	7463133	7463271	Gmdrm	hypo	CHG	-0.586
Gm15	7501736	7501783	Gmdrm	hypo	CHG	-0.695
Gm15	7506775	7506819	Gmdrm	hypo	CHG	-0.925

Gm15	7531735	7531817	Gmdrm	hypo	CHG	-0.038
Gm15	7539537	7539574	Gmdrm	hypo	CHG	-0.6733
Gm15	7546373	7546460	Gmdrm	hypo	CHG	-0.462
Gm15	7590487	7590607	Gmdrm	hypo	CHG	-0.4683
Gm15	7599696	7599984	Gmdrm	hypo	CHG	-0.5071
Gm15	7600098	7600224	Gmdrm	hypo	CHG	-0.7483
Gm15	7600330	7600449	Gmdrm	hypo	CHG	-0.6717
Gm15	7600557	7600733	Gmdrm	hypo	CHG	-0.3122
Gm15	7614714	7614891	Gmdrm	hypo	CHG	-0.06
Gm15	7641436	7641500	Gmdrm	hypo	CHG	-0.214
Gm15	7653631	7653813	Gmdrm	hypo	CHG	-0.426
Gm15	7654158	7654204	Gmdrm	hypo	CHG	-0.7883
Gm15	7654311	7654518	Gmdrm	hypo	CHG	-0.7711
Gm15	7679012	7679115	Gmdrm	hypo	CHG	-0.8577
Gm15	7685676	7686117	Gmdrm	hypo	CHG	-0.782
Gm15	7688216	7688476	Gmdrm	hypo	CHG	-0.4107
Gm15	7702132	7702757	Gmdrm	hypo	CHG	-0.2742
Gm15	7718863	7719244	Gmdrm	hypo	CHG	-0.1591
Gm15	7728450	7728543	Gmdrm	hypo	CHG	-0.056
Gm15	7790591	7790912	Gmdrm	hypo	CHG	-0.517
Gm15	7791024	7791139	Gmdrm	hypo	CHG	-0.556
Gm15	7791494	7791631	Gmdrm	hypo	CHG	-0.394
Gm15	7800747	7801223	Gmdrm	hypo	CHG	-0.56
Gm15	7809954	7810180	Gmdrm	hypo	CHG	-0.6246
Gm15	7831901	7831966	Gmdrm	hypo	CHG	-0.3557
Gm15	7832088	7832111	Gmdrm	hypo	CHG	-0.616
Gm15	7833470	7833638	Gmdrm	hypo	CHG	-0.4909
Gm15	7834157	7834289	Gmdrm	hypo	CHG	-0.4501
Gm15	7837111	7837193	Gmdrm	hypo	CHG	-0.0733
Gm15	7837519	7837579	Gmdrm	hypo	CHG	-0.1217
Gm15	7839093	7839208	Gmdrm	hypo	CHG	-0.062
Gm15	7846992	7847090	Gmdrm	hypo	CHG	-0.056
Gm15	7848850	7849098	Gmdrm	hypo	CHG	-0.5325
Gm15	7850500	7850565	Gmdrm	hypo	CHG	-0.7783
Gm15	7850669	7850783	Gmdrm	hypo	CHG	-0.8017
Gm15	7852248	7852374	Gmdrm	hypo	CHG	-0.0886
Gm15	7876729	7876973	Gmdrm	hypo	CHG	-0.0562
Gm15	7880978	7881288	Gmdrm	hypo	CHG	-0.0312
Gm15	7891695	7891872	Gmdrm	hypo	CHG	-0.056
Gm15	7904208	7904449	Gmdrm	hypo	CHG	-0.4865
Gm15	7914958	7915040	Gmdrm	hypo	CHG	-0.13
Gm15	7915452	7915611	Gmdrm	hypo	CHG	-0.5425
Gm15	7916435	7916478	Gmdrm	hypo	CHG	-0.224
Gm15	7920602	7920731	Gmdrm	hypo	CHG	-0.581
Gm15	7923648	7923894	Gmdrm	hypo	CHG	-0.6253
Gm15	7924287	7924641	Gmdrm	hypo	CHG	-0.5033

Gm15	7933631	7933759	Gmdrm	hypo	CHG	-0.7746
Gm15	7946858	7947120	Gmdrm	hypo	CHG	-0.21
Gm15	7974241	7974284	Gmdrm	hypo	CHG	-0.044
Gm15	7976525	7976676	Gmdrm	hypo	CHG	-0.0799
Gm15	7985571	7985707	Gmdrm	hypo	CHG	-0.2761
Gm15	8010726	8010990	Gmdrm	hypo	CHG	-0.566
Gm15	8011092	8011193	Gmdrm	hypo	CHG	-0.5671
Gm15	8018501	8018652	Gmdrm	hypo	CHG	-0.2
Gm15	8026496	8026662	Gmdrm	hypo	CHG	-0.5117
Gm15	8042642	8042776	Gmdrm	hypo	CHG	-0.0733
Gm15	8048674	8048762	Gmdrm	hypo	CHG	-0.052
Gm15	8049428	8049502	Gmdrm	hypo	CHG	-0.7916
Gm15	8062349	8062430	Gmdrm	hypo	CHG	-0.06
Gm15	8078113	8078267	Gmdrm	hypo	CHG	-0.044
Gm15	8090770	8091430	Gmdrm	hypo	CHG	-0.6597
Gm15	8092275	8092495	Gmdrm	hypo	CHG	-0.061
Gm15	8092616	8092821	Gmdrm	hypo	CHG	-0.7028
Gm15	8101135	8101338	Gmdrm	hypo	CHG	-0.409
Gm15	8101478	8101665	Gmdrm	hypo	CHG	-0.83
Gm15	8115000	8115298	Gmdrm	hypo	CHG	-0.0491
Gm15	8116531	8116758	Gmdrm	hypo	CHG	-0.0514
Gm15	8119765	8119988	Gmdrm	hypo	CHG	-0.7325
Gm15	8134110	8134342	Gmdrm	hypo	CHG	-0.06
Gm15	8139379	8139615	Gmdrm	hypo	CHG	-0.7445
Gm15	8145206	8145324	Gmdrm	hypo	CHG	-0.6814
Gm15	8145533	8145656	Gmdrm	hypo	CHG	-0.6033
Gm15	8204005	8204149	Gmdrm	hypo	CHG	-0.2378
Gm15	8212994	8213158	Gmdrm	hypo	CHG	-0.4071
Gm15	8213326	8213468	Gmdrm	hypo	CHG	-0.5574
Gm15	8213969	8214113	Gmdrm	hypo	CHG	-0.7162
Gm15	8218118	8218302	Gmdrm	hypo	CHG	-0.04
Gm15	8221862	8222179	Gmdrm	hypo	CHG	-0.125
Gm15	8222326	8222366	Gmdrm	hypo	CHG	-0.114
Gm15	8222565	8222793	Gmdrm	hypo	CHG	-0.2125
Gm15	8258324	8258353	Gmdrm	hypo	CHG	-0.654
Gm15	8277953	8278019	Gmdrm	hypo	CHG	-0.262
Gm15	8305859	8306066	Gmdrm	hypo	CHG	-0.0538
Gm15	8307822	8307910	Gmdrm	hypo	CHG	-0.354
Gm15	8309717	8309769	Gmdrm	hypo	CHG	-0.582
Gm15	8317748	8317968	Gmdrm	hypo	CHG	-0.0543
Gm15	8335349	8335448	Gmdrm	hypo	CHG	-0.2
Gm15	8346049	8346076	Gmdrm	hypo	CHG	-0.1443
Gm15	8367985	8368393	Gmdrm	hypo	CHG	-0.18
Gm15	8375511	8375609	Gmdrm	hypo	CHG	-0.7837
Gm15	8376223	8376483	Gmdrm	hypo	CHG	-0.7181
Gm15	8388443	8388551	Gmdrm	hypo	CHG	-0.3567

Gm15	8394180	8394613	Gmdrm	hypo	CHG	-0.4494
Gm15	8395231	8395623	Gmdrm	hypo	CHG	-0.735
Gm15	8395777	8395971	Gmdrm	hypo	CHG	-0.2511
Gm15	8399271	8399415	Gmdrm	hypo	CHG	-0.0385
Gm15	8424769	8424915	Gmdrm	hypo	CHG	-0.512
Gm15	8425343	8425712	Gmdrm	hypo	CHG	-0.4827
Gm15	8465804	8465935	Gmdrm	hypo	CHG	-0.046
Gm15	8496880	8497014	Gmdrm	hypo	CHG	-0.0517
Gm15	8506075	8506238	Gmdrm	hypo	CHG	-0.0363
Gm15	8507741	8507941	Gmdrm	hypo	CHG	-0.282
Gm15	8519305	8519323	Gmdrm	hypo	CHG	-0.1214
Gm15	8520446	8520495	Gmdrm	hypo	CHG	-0.0767
Gm15	8533378	8533430	Gmdrm	hypo	CHG	-0.5485
Gm15	8540600	8540815	Gmdrm	hypo	CHG	-0.7869
Gm15	8549378	8549609	Gmdrm	hypo	CHG	-0.314
Gm15	8576446	8576749	Gmdrm	hypo	CHG	-0.3123
Gm15	8577028	8577299	Gmdrm	hypo	CHG	-0.2606
Gm15	8578200	8578588	Gmdrm	hypo	CHG	-0.4446
Gm15	8599587	8599688	Gmdrm	hypo	CHG	-0.042
Gm15	8608314	8608347	Gmdrm	hypo	CHG	-0.102
Gm15	8645768	8645937	Gmdrm	hypo	CHG	-0.1312
Gm15	8647529	8647835	Gmdrm	hypo	CHG	-0.6362
Gm15	8653672	8654015	Gmdrm	hypo	CHG	-0.049
Gm15	8674068	8674396	Gmdrm	hypo	CHG	-0.0544
Gm15	8711882	8711983	Gmdrm	hypo	CHG	-0.056
Gm15	8718818	8719056	Gmdrm	hypo	CHG	-0.2013
Gm15	8750249	8750598	Gmdrm	hypo	CHG	-0.76
Gm15	8754889	8754993	Gmdrm	hypo	CHG	-0.755
Gm15	8761351	8761575	Gmdrm	hypo	CHG	-0.303
Gm15	8763515	8763630	Gmdrm	hypo	CHG	-0.114
Gm15	8810045	8810327	Gmdrm	hypo	CHG	-0.038
Gm15	8815078	8815221	Gmdrm	hypo	CHG	-0.0386
Gm15	8815938	8816061	Gmdrm	hypo	CHG	-0.745
Gm15	8870978	8871309	Gmdrm	hypo	CHG	-0.0378
Gm15	8872409	8872938	Gmdrm	hypo	CHG	-0.1794
Gm15	8888228	8888356	Gmdrm	hypo	CHG	-0.8833
Gm15	8895754	8895814	Gmdrm	hypo	CHG	-0.764
Gm15	8896001	8896139	Gmdrm	hypo	CHG	-0.7238
Gm15	8920188	8920372	Gmdrm	hypo	CHG	-0.0483
Gm15	8946406	8946744	Gmdrm	hypo	CHG	-0.07
Gm15	8953293	8953878	Gmdrm	hypo	CHG	-0.2793
Gm15	8962498	8962605	Gmdrm	hypo	CHG	-0.5233
Gm15	8974989	8975159	Gmdrm	hypo	CHG	-0.4172
Gm15	8979914	8980040	Gmdrm	hypo	CHG	-0.0633
Gm15	8989827	8990046	Gmdrm	hypo	CHG	-0.2285
Gm15	8995365	8995417	Gmdrm	hypo	CHG	-0.0333

Gm15	9016558	9016768	Gmdrm	hypo	CHG	-0.1229
Gm15	9024665	9025371	Gmdrm	hypo	CHG	-0.9241
Gm15	9027662	9027685	Gmdrm	hypo	CHG	-0.6117
Gm15	9027963	9028088	Gmdrm	hypo	CHG	-0.737
Gm15	9028231	9028361	Gmdrm	hypo	CHG	-0.185
Gm15	9031784	9031853	Gmdrm	hypo	CHG	-0.362
Gm15	9034162	9034451	Gmdrm	hypo	CHG	-0.514
Gm15	9107313	9107728	Gmdrm	hypo	CHG	-0.2631
Gm15	9107937	9108023	Gmdrm	hypo	CHG	-0.6075
Gm15	9160318	9160478	Gmdrm	hypo	CHG	-0.0317
Gm15	9182621	9182941	Gmdrm	hypo	CHG	-0.087
Gm15	9183520	9183586	Gmdrm	hypo	CHG	-0.1317
Gm15	9191422	9191691	Gmdrm	hypo	CHG	-0.0834
Gm15	9191967	9192106	Gmdrm	hypo	CHG	-0.0986
Gm15	9195206	9195534	Gmdrm	hypo	CHG	-0.1166
Gm15	9196579	9196685	Gmdrm	hypo	CHG	-0.1314
Gm15	9197039	9197140	Gmdrm	hypo	CHG	-0.57
Gm15	9203153	9203339	Gmdrm	hypo	CHG	-0.714
Gm15	9203452	9203570	Gmdrm	hypo	CHG	-0.5171
Gm15	9224955	9225182	Gmdrm	hypo	CHG	-0.2311
Gm15	9226746	9226885	Gmdrm	hypo	CHG	-0.6075
Gm15	9227234	9227447	Gmdrm	hypo	CHG	-0.4263
Gm15	9248079	9248327	Gmdrm	hypo	CHG	-0.5875
Gm15	9252684	9252771	Gmdrm	hypo	CHG	-0.048
Gm15	9254324	9254364	Gmdrm	hypo	CHG	-0.5367
Gm15	9276313	9276390	Gmdrm	hypo	CHG	-0.84
Gm15	9280766	9280961	Gmdrm	hypo	CHG	-0.0433
Gm15	9282784	9282870	Gmdrm	hypo	CHG	-0.658
Gm15	9299152	9299390	Gmdrm	hypo	CHG	-0.2134
Gm15	9299508	9299624	Gmdrm	hypo	CHG	-0.3001
Gm15	9333105	9333696	Gmdrm	hypo	CHG	-0.4757
Gm15	9334290	9334449	Gmdrm	hypo	CHG	-0.0517
Gm15	9348115	9348286	Gmdrm	hypo	CHG	-0.7829
Gm15	9365367	9365843	Gmdrm	hypo	CHG	-0.4525
Gm15	9366009	9366291	Gmdrm	hypo	CHG	-0.0355
Gm15	9382323	9382421	Gmdrm	hypo	CHG	-0.5888
Gm15	9382545	9382605	Gmdrm	hypo	CHG	-0.6583
Gm15	9388290	9388413	Gmdrm	hypo	CHG	-0.645
Gm15	9389038	9389238	Gmdrm	hypo	CHG	-0.6255
Gm15	9396409	9396627	Gmdrm	hypo	CHG	-0.2277
Gm15	9397612	9397726	Gmdrm	hypo	CHG	-0.32
Gm15	9399553	9400143	Gmdrm	hypo	CHG	-0.2619
Gm15	9412430	9412652	Gmdrm	hypo	CHG	-0.4726
Gm15	9413603	9414007	Gmdrm	hypo	CHG	-0.6163
Gm15	9446685	9446759	Gmdrm	hypo	CHG	-0.6066
Gm15	9495070	9495240	Gmdrm	hypo	CHG	-0.5588

Gm15	9507366	9507522	Gmdrm	hypo	CHG	-0.046
Gm15	9520611	9520717	Gmdrm	hypo	CHG	-0.05
Gm15	9538148	9538307	Gmdrm	hypo	CHG	-0.0417
Gm15	9543087	9543141	Gmdrm	hypo	CHG	-0.954
Gm15	9552884	9553243	Gmdrm	hypo	CHG	-0.6093
Gm15	9590932	9591067	Gmdrm	hypo	CHG	-0.05
Gm15	9602190	9602273	Gmdrm	hypo	CHG	-0.5737
Gm15	9602428	9602601	Gmdrm	hypo	CHG	-0.3707
Gm15	9602706	9602777	Gmdrm	hypo	CHG	-0.3633
Gm15	9603446	9603482	Gmdrm	hypo	CHG	-0.26
Gm15	9614589	9614903	Gmdrm	hypo	CHG	-0.5171
Gm15	9626497	9626546	Gmdrm	hypo	CHG	-0.32
Gm15	9629371	9629736	Gmdrm	hypo	CHG	-0.3173
Gm15	9632877	9633187	Gmdrm	hypo	CHG	-0.7005
Gm15	9645811	9646295	Gmdrm	hypo	CHG	-0.3146
Gm15	9656392	9656628	Gmdrm	hypo	CHG	-0.0819
Gm15	9656802	9656948	Gmdrm	hypo	CHG	-0.8292
Gm15	9674231	9674579	Gmdrm	hypo	CHG	-0.3828
Gm15	9686026	9686127	Gmdrm	hypo	CHG	-0.1686
Gm15	9707350	9707491	Gmdrm	hypo	CHG	-0.7573
Gm15	9711328	9711438	Gmdrm	hypo	CHG	-0.2138
Gm15	9739798	9739990	Gmdrm	hypo	CHG	-0.042
Gm15	9744735	9745123	Gmdrm	hypo	CHG	-0.7614
Gm15	9754383	9754448	Gmdrm	hypo	CHG	-0.4251
Gm15	9757511	9757648	Gmdrm	hypo	CHG	-0.3617
Gm15	9781492	9781609	Gmdrm	hypo	CHG	-0.7334
Gm15	9781724	9782168	Gmdrm	hypo	CHG	-0.8684
Gm15	9782358	9782657	Gmdrm	hypo	CHG	-0.9073
Gm15	9783344	9783453	Gmdrm	hypo	CHG	-0.0256
Gm15	9790486	9790788	Gmdrm	hypo	CHG	-0.055
Gm15	9807136	9807269	Gmdrm	hypo	CHG	-0.12
Gm15	9816494	9817352	Gmdrm	hypo	CHG	-0.2463
Gm15	9817510	9817731	Gmdrm	hypo	CHG	-0.3378
Gm15	9820168	9820438	Gmdrm	hypo	CHG	-0.5225
Gm15	9821451	9821560	Gmdrm	hypo	CHG	-0.816
Gm15	9821675	9821792	Gmdrm	hypo	CHG	-0.604
Gm15	9821982	9822138	Gmdrm	hypo	CHG	-0.8975
Gm15	9822390	9822473	Gmdrm	hypo	CHG	-0.0557
Gm15	9834965	9835336	Gmdrm	hypo	CHG	-0.2683
Gm15	9842146	9842254	Gmdrm	hypo	CHG	-0.785
Gm15	9855151	9855394	Gmdrm	hypo	CHG	-0.7364
Gm15	9855514	9856051	Gmdrm	hypo	CHG	-0.3521
Gm15	9865954	9866345	Gmdrm	hypo	CHG	-0.032
Gm15	9875551	9875687	Gmdrm	hypo	CHG	-0.1723
Gm15	9933409	9933427	Gmdrm	hypo	CHG	-0.588
Gm15	9945223	9945342	Gmdrm	hypo	CHG	-0.7362

Gm15	9973612	9973773	Gmdrm	hypo	CHG	-0.058
Gm15	9981668	9981792	Gmdrm	hypo	CHG	-0.9433
Gm15	9984530	9984671	Gmdrm	hypo	CHG	-0.2183
Gm15	9985583	9985798	Gmdrm	hypo	CHG	-0.4586
Gm15	9986666	9986773	Gmdrm	hypo	CHG	-0.04
Gm15	9989071	9989434	Gmdrm	hypo	CHG	-0.5083
Gm15	9989706	9989879	Gmdrm	hypo	CHG	-0.3161
Gm15	9998529	9998628	Gmdrm	hypo	CHG	-0.7667
Gm15	10016906	10017035	Gmdrm	hypo	CHG	-0.031
Gm15	10017239	10017275	Gmdrm	hypo	CHG	-0.622
Gm15	10020401	10020755	Gmdrm	hypo	CHG	-0.57
Gm15	10026685	10026923	Gmdrm	hypo	CHG	-0.1281
Gm15	10034121	10034256	Gmdrm	hypo	CHG	-0.1044
Gm15	10044288	10044425	Gmdrm	hypo	CHG	-0.2818
Gm15	10064944	10065081	Gmdrm	hypo	CHG	-0.595
Gm15	10071527	10071573	Gmdrm	hypo	CHG	-0.7467
Gm15	10074757	10074821	Gmdrm	hypo	CHG	-0.8286
Gm15	10076834	10077334	Gmdrm	hypo	CHG	-0.0321
Gm15	10085402	10085635	Gmdrm	hypo	CHG	-0.5818
Gm15	10085838	10086178	Gmdrm	hypo	CHG	-0.8637
Gm15	10087679	10088105	Gmdrm	hypo	CHG	-0.66
Gm15	10098122	10098514	Gmdrm	hypo	CHG	-0.0579
Gm15	10101633	10101724	Gmdrm	hypo	CHG	-0.6167
Gm15	10117428	10117638	Gmdrm	hypo	CHG	-0.4883
Gm15	10128726	10128783	Gmdrm	hypo	CHG	-0.0317
Gm15	10155751	10155844	Gmdrm	hypo	CHG	-0.764
Gm15	10156582	10156984	Gmdrm	hypo	CHG	-0.5923
Gm15	10157184	10157706	Gmdrm	hypo	CHG	-0.6817
Gm15	10160320	10160468	Gmdrm	hypo	CHG	-0.4417
Gm15	10166998	10167297	Gmdrm	hypo	CHG	-0.2733
Gm15	10171670	10171729	Gmdrm	hypo	CHG	-0.39
Gm15	10172083	10172258	Gmdrm	hypo	CHG	-0.4234
Gm15	10180470	10180500	Gmdrm	hypo	CHG	-0.806
Gm15	10180621	10180702	Gmdrm	hypo	CHG	-0.758
Gm15	10211592	10211709	Gmdrm	hypo	CHG	-0.602
Gm15	10239323	10239483	Gmdrm	hypo	CHG	-0.0583
Gm15	10250398	10250568	Gmdrm	hypo	CHG	-0.0583
Gm15	10254197	10254302	Gmdrm	hypo	CHG	-0.448
Gm15	10262212	10262489	Gmdrm	hypo	CHG	-0.4114
Gm15	10267865	10268317	Gmdrm	hypo	CHG	-0.2464
Gm15	10268543	10269460	Gmdrm	hypo	CHG	-0.2652
Gm15	10283083	10283282	Gmdrm	hypo	CHG	-0.035
Gm15	10318918	10319129	Gmdrm	hypo	CHG	-0.383
Gm15	10334026	10334261	Gmdrm	hypo	CHG	-0.045
Gm15	10338226	10338349	Gmdrm	hypo	CHG	-0.8583
Gm15	10354871	10354983	Gmdrm	hypo	CHG	-0.77

Gm15	10364054	10364208	Gmdrm	hypo	CHG	-0.5917
Gm15	10385552	10385711	Gmdrm	hypo	CHG	-0.173
Gm15	10408114	10408668	Gmdrm	hypo	CHG	-0.0867
Gm15	10418320	10418426	Gmdrm	hypo	CHG	-0.5033
Gm15	10419251	10419645	Gmdrm	hypo	CHG	-0.6873
Gm15	10423090	10423189	Gmdrm	hypo	CHG	-0.7633
Gm15	10426919	10427508	Gmdrm	hypo	CHG	-0.5303
Gm15	10447505	10447561	Gmdrm	hypo	CHG	-0.95
Gm15	10462308	10462459	Gmdrm	hypo	CHG	-0.435
Gm15	10462613	10462730	Gmdrm	hypo	CHG	-0.1312
Gm15	10500059	10500157	Gmdrm	hypo	CHG	-0.384
Gm15	10523906	10524044	Gmdrm	hypo	CHG	-0.066
Gm15	10531249	10531425	Gmdrm	hypo	CHG	-0.044
Gm15	10536994	10537321	Gmdrm	hypo	CHG	-0.2014
Gm15	10541079	10541239	Gmdrm	hypo	CHG	-0.5443
Gm15	10547278	10547345	Gmdrm	hypo	CHG	-0.08
Gm15	10554696	10554819	Gmdrm	hypo	CHG	-0.9233
Gm15	10555822	10555956	Gmdrm	hypo	CHG	-0.146
Gm15	10557571	10557721	Gmdrm	hypo	CHG	-0.036
Gm15	10559211	10559323	Gmdrm	hypo	CHG	-0.375
Gm15	10576966	10577438	Gmdrm	hypo	CHG	-0.7379
Gm15	10577867	10578059	Gmdrm	hypo	CHG	-0.68
Gm15	10579260	10579391	Gmdrm	hypo	CHG	-0.3991
Gm15	10579638	10579841	Gmdrm	hypo	CHG	-0.5211
Gm15	10579965	10580074	Gmdrm	hypo	CHG	-0.6585
Gm15	10580253	10580275	Gmdrm	hypo	CHG	-0.4833
Gm15	10613720	10613951	Gmdrm	hypo	CHG	-0.7525
Gm15	10655225	10656200	Gmdrm	hypo	CHG	-0.4518
Gm15	10656236	10656699	Gmdrm	hypo	CHG	-0.338
Gm15	10664168	10664325	Gmdrm	hypo	CHG	-0.048
Gm15	10700571	10700673	Gmdrm	hypo	CHG	-0.9067
Gm15	10705565	10706239	Gmdrm	hypo	CHG	-0.51
Gm15	10706487	10706551	Gmdrm	hypo	CHG	-0.9
Gm15	10729642	10729723	Gmdrm	hypo	CHG	-0.84
Gm15	10729831	10729936	Gmdrm	hypo	CHG	-0.92
Gm15	10730291	10730590	Gmdrm	hypo	CHG	-0.8971
Gm15	10747216	10747258	Gmdrm	hypo	CHG	-0.0483
Gm15	10754815	10754933	Gmdrm	hypo	CHG	-0.0671
Gm15	10761093	10761316	Gmdrm	hypo	CHG	-0.254
Gm15	10777618	10777692	Gmdrm	hypo	CHG	-0.0317
Gm15	10780958	10781080	Gmdrm	hypo	CHG	-0.118
Gm15	10791532	10791714	Gmdrm	hypo	CHG	-0.06
Gm15	10802154	10802217	Gmdrm	hypo	CHG	-0.69
Gm15	10802352	10802382	Gmdrm	hypo	CHG	-0.648
Gm15	10802497	10802602	Gmdrm	hypo	CHG	-0.5667
Gm15	10810441	10810457	Gmdrm	hypo	CHG	-0.5

Gm15	10812748	10813596	Gmdrm	hypo	CHG	-0.6031
Gm15	10819069	10819576	Gmdrm	hypo	CHG	-0.35
Gm15	10822192	10822680	Gmdrm	hypo	CHG	-0.735
Gm15	10822786	10823004	Gmdrm	hypo	CHG	-0.2023
Gm15	10824955	10825301	Gmdrm	hypo	CHG	-0.228
Gm15	10831254	10831513	Gmdrm	hypo	CHG	-0.769
Gm15	10832794	10833208	Gmdrm	hypo	CHG	-0.6558
Gm15	10838682	10838933	Gmdrm	hypo	CHG	-0.054
Gm15	10841912	10841965	Gmdrm	hypo	CHG	-0.7183
Gm15	10842502	10842553	Gmdrm	hypo	CHG	-0.8725
Gm15	10855244	10855305	Gmdrm	hypo	CHG	-0.2933
Gm15	10866139	10866195	Gmdrm	hypo	CHG	-0.076
Gm15	10883024	10883261	Gmdrm	hypo	CHG	-0.0451
Gm15	10889737	10889965	Gmdrm	hypo	CHG	-0.055
Gm15	10890535	10890575	Gmdrm	hypo	CHG	-0.4033
Gm15	10890796	10891526	Gmdrm	hypo	CHG	-0.3063
Gm15	10893005	10893072	Gmdrm	hypo	CHG	-0.4363
Gm15	10893766	10894158	Gmdrm	hypo	CHG	-0.2095
Gm15	10894275	10894482	Gmdrm	hypo	CHG	-0.0562
Gm15	10896000	10896128	Gmdrm	hypo	CHG	-0.9087
Gm15	10904838	10905185	Gmdrm	hypo	CHG	-0.0918
Gm15	10929438	10929592	Gmdrm	hypo	CHG	-0.075
Gm15	10939342	10939515	Gmdrm	hypo	CHG	-0.28
Gm15	10996732	10997093	Gmdrm	hypo	CHG	-0.2283
Gm15	11037667	11038666	Gmdrm	hypo	CHG	-0.2471
Gm15	11039851	11040812	Gmdrm	hypo	CHG	-0.5321
Gm15	11041417	11041542	Gmdrm	hypo	CHG	-0.136
Gm15	11048485	11049037	Gmdrm	hypo	CHG	-0.3741
Gm15	11056954	11057101	Gmdrm	hypo	CHG	-0.03
Gm15	11058809	11059570	Gmdrm	hypo	CHG	-0.2347
Gm15	11062575	11062697	Gmdrm	hypo	CHG	-0.5025
Gm15	11063973	11064172	Gmdrm	hypo	CHG	-0.4938
Gm15	11169084	11169172	Gmdrm	hypo	CHG	-0.044
Gm15	11174196	11174258	Gmdrm	hypo	CHG	-0.71
Gm15	11174544	11174709	Gmdrm	hypo	CHG	-0.3817
Gm15	11186720	11187234	Gmdrm	hypo	CHG	-0.4886
Gm15	11187796	11188695	Gmdrm	hypo	CHG	-0.3192
Gm15	11216297	11216665	Gmdrm	hypo	CHG	-0.0666
Gm15	11237710	11237783	Gmdrm	hypo	CHG	-0.685
Gm15	11244338	11244706	Gmdrm	hypo	CHG	-0.8087
Gm15	11278722	11278886	Gmdrm	hypo	CHG	-0.642
Gm15	11279115	11279153	Gmdrm	hypo	CHG	-0.6817
Gm15	11295759	11295839	Gmdrm	hypo	CHG	-0.33
Gm15	11302823	11303041	Gmdrm	hypo	CHG	-0.2525
Gm15	11318915	11319021	Gmdrm	hypo	CHG	-0.696
Gm15	11325511	11325960	Gmdrm	hypo	CHG	-0.2295

Gm15	11326311	11326463	Gmdrm	hypo	CHG	-0.46
Gm15	11330573	11331115	Gmdrm	hypo	CHG	-0.0849
Gm15	11360454	11360482	Gmdrm	hypo	CHG	-0.05
Gm15	11367417	11367635	Gmdrm	hypo	CHG	-0.438
Gm15	11396208	11396675	Gmdrm	hypo	CHG	-0.2157
Gm15	11402009	11402293	Gmdrm	hypo	CHG	-0.7354
Gm15	11415239	11415420	Gmdrm	hypo	CHG	-0.5914
Gm15	11417953	11418148	Gmdrm	hypo	CHG	-0.2071
Gm15	11418404	11418503	Gmdrm	hypo	CHG	-0.1071
Gm15	11424520	11424713	Gmdrm	hypo	CHG	-0.03
Gm15	11436533	11436620	Gmdrm	hypo	CHG	-0.588
Gm15	11447267	11447363	Gmdrm	hypo	CHG	-0.052
Gm15	11451975	11452099	Gmdrm	hypo	CHG	-0.735
Gm15	11452375	11452578	Gmdrm	hypo	CHG	-0.264
Gm15	11476677	11476885	Gmdrm	hypo	CHG	-0.5567
Gm15	11478246	11478467	Gmdrm	hypo	CHG	-0.2141
Gm15	11482490	11482805	Gmdrm	hypo	CHG	-0.6091
Gm15	11483549	11483702	Gmdrm	hypo	CHG	-0.22
Gm15	11484285	11484402	Gmdrm	hypo	CHG	-0.728
Gm15	11492471	11492630	Gmdrm	hypo	CHG	-0.1813
Gm15	11499130	11499583	Gmdrm	hypo	CHG	-0.6258
Gm15	11501132	11501225	Gmdrm	hypo	CHG	-0.63
Gm15	11506560	11506770	Gmdrm	hypo	CHG	-0.3888
Gm15	11512953	11513302	Gmdrm	hypo	CHG	-0.1042
Gm15	11515834	11516505	Gmdrm	hypo	CHG	-0.8566
Gm15	11533640	11533710	Gmdrm	hypo	CHG	-0.1622
Gm15	11553065	11553103	Gmdrm	hypo	CHG	-0.86
Gm15	11562118	11562302	Gmdrm	hypo	CHG	-0.815
Gm15	11573512	11573614	Gmdrm	hypo	CHG	-0.764
Gm15	11573772	11574010	Gmdrm	hypo	CHG	-0.575
Gm15	11581459	11581639	Gmdrm	hypo	CHG	-0.6993
Gm15	11588572	11588851	Gmdrm	hypo	CHG	-0.4242
Gm15	11599034	11599212	Gmdrm	hypo	CHG	-0.2616
Gm15	11605406	11605503	Gmdrm	hypo	CHG	-0.502
Gm15	11605717	11605968	Gmdrm	hypo	CHG	-0.7267
Gm15	11612208	11612356	Gmdrm	hypo	CHG	-0.351
Gm15	11618224	11618559	Gmdrm	hypo	CHG	-0.17
Gm15	11620118	11620319	Gmdrm	hypo	CHG	-0.2783
Gm15	11622074	11622266	Gmdrm	hypo	CHG	-0.2563
Gm15	11634408	11634571	Gmdrm	hypo	CHG	-0.6233
Gm15	11634710	11634927	Gmdrm	hypo	CHG	-0.48
Gm15	11638694	11638738	Gmdrm	hypo	CHG	-0.35
Gm15	11653354	11653548	Gmdrm	hypo	CHG	-0.3511
Gm15	11653776	11654362	Gmdrm	hypo	CHG	-0.5508
Gm15	11657131	11657171	Gmdrm	hypo	CHG	-0.465
Gm15	11657457	11657920	Gmdrm	hypo	CHG	-0.2381

Gm15	11659194	11659570	Gmdrm	hypo	CHG	-0.7606
Gm15	11671355	11671463	Gmdrm	hypo	CHG	-0.028
Gm15	11674736	11675019	Gmdrm	hypo	CHG	-0.1026
Gm15	11675242	11675645	Gmdrm	hypo	CHG	-0.2176
Gm15	11675768	11676735	Gmdrm	hypo	CHG	-0.2525
Gm15	11682216	11682573	Gmdrm	hypo	CHG	-0.0338
Gm15	11685701	11685896	Gmdrm	hypo	CHG	-0.7175
Gm15	11686343	11686813	Gmdrm	hypo	CHG	-0.5733
Gm15	11686984	11687056	Gmdrm	hypo	CHG	-0.4343
Gm15	11687315	11687597	Gmdrm	hypo	CHG	-0.5343
Gm15	11696159	11696428	Gmdrm	hypo	CHG	-0.1063
Gm15	11696594	11696869	Gmdrm	hypo	CHG	-0.7095
Gm15	11697957	11698332	Gmdrm	hypo	CHG	-0.31
Gm15	11726363	11727035	Gmdrm	hypo	CHG	-0.2684
Gm15	11745958	11746039	Gmdrm	hypo	CHG	-0.4243
Gm15	11746845	11746957	Gmdrm	hypo	CHG	-0.3375
Gm15	11770775	11771017	Gmdrm	hypo	CHG	-0.736
Gm15	11778054	11778074	Gmdrm	hypo	CHG	-0.232
Gm15	11779559	11779627	Gmdrm	hypo	CHG	-0.652
Gm15	11786646	11787156	Gmdrm	hypo	CHG	-0.5753
Gm15	11789112	11789214	Gmdrm	hypo	CHG	-0.5428
Gm15	11820022	11820303	Gmdrm	hypo	CHG	-0.842
Gm15	11824853	11824997	Gmdrm	hypo	CHG	-0.245
Gm15	11829559	11829706	Gmdrm	hypo	CHG	-0.6333
Gm15	11845586	11845770	Gmdrm	hypo	CHG	-0.6691
Gm15	11853614	11853827	Gmdrm	hypo	CHG	-0.8433
Gm15	11854925	11855034	Gmdrm	hypo	CHG	-0.6675
Gm15	11859924	11859997	Gmdrm	hypo	CHG	-0.685
Gm15	11860125	11860256	Gmdrm	hypo	CHG	-0.6511
Gm15	11877165	11877183	Gmdrm	hypo	CHG	-0.79
Gm15	11877311	11877400	Gmdrm	hypo	CHG	-0.6475
Gm15	11900488	11900625	Gmdrm	hypo	CHG	-0.6083
Gm15	11900900	11901418	Gmdrm	hypo	CHG	-0.1886
Gm15	11901630	11902109	Gmdrm	hypo	CHG	-0.1721
Gm15	11909811	11910273	Gmdrm	hypo	CHG	-0.685
Gm15	11920480	11920738	Gmdrm	hypo	CHG	-0.77
Gm15	11934658	11934764	Gmdrm	hypo	CHG	-0.3
Gm15	11937566	11937776	Gmdrm	hypo	CHG	-0.265
Gm15	11949016	11949079	Gmdrm	hypo	CHG	-0.054
Gm15	11963354	11963543	Gmdrm	hypo	CHG	-0.5112
Gm15	11966153	11966334	Gmdrm	hypo	CHG	-0.7913
Gm15	11966450	11966474	Gmdrm	hypo	CHG	-0.8
Gm15	11966760	11966816	Gmdrm	hypo	CHG	-0.8067
Gm15	11974848	11975170	Gmdrm	hypo	CHG	-0.0278
Gm15	11981456	11981595	Gmdrm	hypo	CHG	-0.3617
Gm15	11984213	11984363	Gmdrm	hypo	CHG	-0.3807

Gm15	11988576	11988910	Gmdrm	hypo	CHG	-0.6167
Gm15	12015280	12015345	Gmdrm	hypo	CHG	-0.068
Gm15	12028148	12029051	Gmdrm	hypo	CHG	-0.3376
Gm15	12031593	12031908	Gmdrm	hypo	CHG	-0.3275
Gm15	12032971	12033011	Gmdrm	hypo	CHG	-0.345
Gm15	12044724	12044911	Gmdrm	hypo	CHG	-0.3523
Gm15	12045065	12045173	Gmdrm	hypo	CHG	-0.2892
Gm15	12061918	12062082	Gmdrm	hypo	CHG	-0.2757
Gm15	12062982	12063312	Gmdrm	hypo	CHG	-0.4425
Gm15	12065300	12065442	Gmdrm	hypo	CHG	-0.4838
Gm15	12072812	12072968	Gmdrm	hypo	CHG	-0.5112
Gm15	12076458	12076539	Gmdrm	hypo	CHG	-0.6033
Gm15	12097779	12097918	Gmdrm	hypo	CHG	-0.45
Gm15	12099103	12099360	Gmdrm	hypo	CHG	-0.3053
Gm15	12105852	12106167	Gmdrm	hypo	CHG	-0.35
Gm15	12118436	12118776	Gmdrm	hypo	CHG	-0.6917
Gm15	12123825	12124269	Gmdrm	hypo	CHG	-0.4063
Gm15	12129650	12129970	Gmdrm	hypo	CHG	-0.389
Gm15	12159010	12159234	Gmdrm	hypo	CHG	-0.3315
Gm15	12173304	12173693	Gmdrm	hypo	CHG	-0.3
Gm15	12179433	12179505	Gmdrm	hypo	CHG	-0.282
Gm15	12189982	12190136	Gmdrm	hypo	CHG	-0.1013
Gm15	12192207	12192224	Gmdrm	hypo	CHG	-0.824
Gm15	12192361	12192633	Gmdrm	hypo	CHG	-0.8915
Gm15	12196131	12196273	Gmdrm	hypo	CHG	-0.7614
Gm15	12196570	12196753	Gmdrm	hypo	CHG	-0.6776
Gm15	12197029	12197161	Gmdrm	hypo	CHG	-0.5711
Gm15	12200880	12201261	Gmdrm	hypo	CHG	-0.8469
Gm15	12201851	12201996	Gmdrm	hypo	CHG	-0.6772
Gm15	12204329	12204491	Gmdrm	hypo	CHG	-0.035
Gm15	12219998	12220200	Gmdrm	hypo	CHG	-0.6037
Gm15	12220338	12220833	Gmdrm	hypo	CHG	-0.2656
Gm15	12224171	12224363	Gmdrm	hypo	CHG	-0.6632
Gm15	12231713	12231875	Gmdrm	hypo	CHG	-0.71
Gm15	12232888	12233330	Gmdrm	hypo	CHG	-0.0622
Gm15	12234042	12234512	Gmdrm	hypo	CHG	-0.6218
Gm15	12255174	12255331	Gmdrm	hypo	CHG	-0.822
Gm15	12289365	12289478	Gmdrm	hypo	CHG	-0.542
Gm15	12294896	12295003	Gmdrm	hypo	CHG	-0.54
Gm15	12296292	12296772	Gmdrm	hypo	CHG	-0.6075
Gm15	12315371	12315649	Gmdrm	hypo	CHG	-0.04
Gm15	12317261	12317387	Gmdrm	hypo	CHG	-0.0956
Gm15	12322288	12322510	Gmdrm	hypo	CHG	-0.038
Gm15	12322735	12322891	Gmdrm	hypo	CHG	-0.2612
Gm15	12325261	12326125	Gmdrm	hypo	CHG	-0.38
Gm15	12330539	12330574	Gmdrm	hypo	CHG	-0.398

Gm15	12330988	12331041	Gmdrm	hypo	CHG	-0.8637
Gm15	12333719	12333893	Gmdrm	hypo	CHG	-0.7438
Gm15	12335764	12335959	Gmdrm	hypo	CHG	-0.346
Gm15	12336475	12336877	Gmdrm	hypo	CHG	-0.3394
Gm15	12340507	12340965	Gmdrm	hypo	CHG	-0.2226
Gm15	12361698	12361800	Gmdrm	hypo	CHG	-0.726
Gm15	12384864	12385180	Gmdrm	hypo	CHG	-0.5038
Gm15	12385320	12385586	Gmdrm	hypo	CHG	-0.035
Gm15	12406965	12407161	Gmdrm	hypo	CHG	-0.0329
Gm15	12417544	12417741	Gmdrm	hypo	CHG	-0.4325
Gm15	12424089	12424368	Gmdrm	hypo	CHG	-0.4518
Gm15	12424595	12424784	Gmdrm	hypo	CHG	-0.502
Gm15	12425272	12425645	Gmdrm	hypo	CHG	-0.7295
Gm15	12426147	12426637	Gmdrm	hypo	CHG	-0.8063
Gm15	12434859	12435147	Gmdrm	hypo	CHG	-0.4913
Gm15	12438343	12438504	Gmdrm	hypo	CHG	-0.604
Gm15	12441438	12441625	Gmdrm	hypo	CHG	-0.3028
Gm15	12447749	12448292	Gmdrm	hypo	CHG	-0.0439
Gm15	12459753	12459814	Gmdrm	hypo	CHG	-0.4483
Gm15	12459932	12460089	Gmdrm	hypo	CHG	-0.5642
Gm15	12460222	12460532	Gmdrm	hypo	CHG	-0.28
Gm15	12465188	12465561	Gmdrm	hypo	CHG	-0.4054
Gm15	12476584	12476678	Gmdrm	hypo	CHG	-0.082
Gm15	12487139	12487684	Gmdrm	hypo	CHG	-0.3669
Gm15	12498453	12498684	Gmdrm	hypo	CHG	-0.093
Gm15	12505421	12505659	Gmdrm	hypo	CHG	-0.275
Gm15	12529066	12529405	Gmdrm	hypo	CHG	-0.4359
Gm15	12529552	12529793	Gmdrm	hypo	CHG	-0.4706
Gm15	12537707	12537749	Gmdrm	hypo	CHG	-0.386
Gm15	12539399	12539646	Gmdrm	hypo	CHG	-0.2491
Gm15	12559977	12560224	Gmdrm	hypo	CHG	-0.047
Gm15	12561947	12562064	Gmdrm	hypo	CHG	-0.556
Gm15	12564064	12564188	Gmdrm	hypo	CHG	-0.5
Gm15	12564752	12564904	Gmdrm	hypo	CHG	-0.1691
Gm15	12576408	12576424	Gmdrm	hypo	CHG	-0.0414
Gm15	12577491	12577591	Gmdrm	hypo	CHG	-0.402
Gm15	12581680	12582228	Gmdrm	hypo	CHG	-0.6376
Gm15	12583619	12583683	Gmdrm	hypo	CHG	-0.814
Gm15	12594058	12594420	Gmdrm	hypo	CHG	-0.0455
Gm15	12594705	12594776	Gmdrm	hypo	CHG	-0.2817
Gm15	12595474	12595533	Gmdrm	hypo	CHG	-0.67
Gm15	12595835	12596061	Gmdrm	hypo	CHG	-0.377
Gm15	12603925	12604005	Gmdrm	hypo	CHG	-0.6983
Gm15	12619222	12619334	Gmdrm	hypo	CHG	-0.04
Gm15	12620138	12620335	Gmdrm	hypo	CHG	-0.0371
Gm15	12655064	12655484	Gmdrm	hypo	CHG	-0.3912

Gm15	12655624	12655771	Gmdrm	hypo	CHG	-0.7757
Gm15	12666314	12666397	Gmdrm	hypo	CHG	-0.044
Gm15	12677630	12677737	Gmdrm	hypo	CHG	-0.53
Gm15	12680209	12680386	Gmdrm	hypo	CHG	-0.3884
Gm15	12680544	12680787	Gmdrm	hypo	CHG	-0.3133
Gm15	12681571	12681864	Gmdrm	hypo	CHG	-0.28
Gm15	12700033	12700408	Gmdrm	hypo	CHG	-0.0454
Gm15	12706679	12706821	Gmdrm	hypo	CHG	-0.4234
Gm15	12734441	12734677	Gmdrm	hypo	CHG	-0.5913
Gm15	12735702	12735964	Gmdrm	hypo	CHG	-0.6477
Gm15	12739781	12739934	Gmdrm	hypo	CHG	-0.2544
Gm15	12754365	12754573	Gmdrm	hypo	CHG	-0.3545
Gm15	12764185	12764337	Gmdrm	hypo	CHG	-0.052
Gm15	12766461	12766573	Gmdrm	hypo	CHG	-0.5114
Gm15	12772942	12773235	Gmdrm	hypo	CHG	-0.33
Gm15	12777845	12778001	Gmdrm	hypo	CHG	-0.3708
Gm15	12794585	12794967	Gmdrm	hypo	CHG	-0.2179
Gm15	12796711	12797015	Gmdrm	hypo	CHG	-0.6993
Gm15	12806415	12806728	Gmdrm	hypo	CHG	-0.5375
Gm15	12814861	12815203	Gmdrm	hypo	CHG	-0.3856
Gm15	12819331	12819548	Gmdrm	hypo	CHG	-0.7175
Gm15	12819820	12820359	Gmdrm	hypo	CHG	-0.6228
Gm15	12843703	12844524	Gmdrm	hypo	CHG	-0.4272
Gm15	12844637	12845629	Gmdrm	hypo	CHG	-0.3474
Gm15	12852771	12852920	Gmdrm	hypo	CHG	-0.035
Gm15	12859642	12859822	Gmdrm	hypo	CHG	-0.7464
Gm15	12860006	12860107	Gmdrm	hypo	CHG	-0.2214
Gm15	12870000	12870319	Gmdrm	hypo	CHG	-0.4547
Gm15	12882212	12882238	Gmdrm	hypo	CHG	-0.1246
Gm15	12888688	12888807	Gmdrm	hypo	CHG	-0.2829
Gm15	12903509	12903671	Gmdrm	hypo	CHG	-0.048
Gm15	12916062	12916185	Gmdrm	hypo	CHG	-0.46
Gm15	12917327	12917429	Gmdrm	hypo	CHG	-0.05
Gm15	12934635	12934874	Gmdrm	hypo	CHG	-0.04
Gm15	12943293	12943509	Gmdrm	hypo	CHG	-0.5473
Gm15	12952673	12952992	Gmdrm	hypo	CHG	-0.7427
Gm15	12953219	12953456	Gmdrm	hypo	CHG	-0.733
Gm15	12953876	12953884	Gmdrm	hypo	CHG	-0.4683
Gm15	12958078	12958231	Gmdrm	hypo	CHG	-0.7411
Gm15	13022100	13022261	Gmdrm	hypo	CHG	-0.7525
Gm15	13022566	13022786	Gmdrm	hypo	CHG	-0.495
Gm15	13023297	13023390	Gmdrm	hypo	CHG	-0.8
Gm15	13066465	13066682	Gmdrm	hypo	CHG	-0.5313
Gm15	13066891	13066986	Gmdrm	hypo	CHG	-0.752
Gm15	13067155	13067389	Gmdrm	hypo	CHG	-0.3709
Gm15	13073225	13073565	Gmdrm	hypo	CHG	-0.68

Gm15	13087338	13087852	Gmdrm	hypo	CHG	-0.7674
Gm15	13088062	13088182	Gmdrm	hypo	CHG	-0.8387
Gm15	13093390	13093895	Gmdrm	hypo	CHG	-0.284
Gm15	13113569	13113731	Gmdrm	hypo	CHG	-0.769
Gm15	13115402	13115543	Gmdrm	hypo	CHG	-0.7077
Gm15	13118690	13119001	Gmdrm	hypo	CHG	-0.0543
Gm15	13122312	13122440	Gmdrm	hypo	CHG	-0.058
Gm15	13122631	13122852	Gmdrm	hypo	CHG	-0.22
Gm15	13136631	13136684	Gmdrm	hypo	CHG	-0.1875
Gm15	13146048	13146313	Gmdrm	hypo	CHG	-0.5612
Gm15	13146896	13147185	Gmdrm	hypo	CHG	-0.7029
Gm15	13147848	13147982	Gmdrm	hypo	CHG	-0.2983
Gm15	13152780	13152858	Gmdrm	hypo	CHG	-0.6957
Gm15	13154961	13155007	Gmdrm	hypo	CHG	-0.8945
Gm15	13155123	13155155	Gmdrm	hypo	CHG	-0.88
Gm15	13162778	13162889	Gmdrm	hypo	CHG	-0.036
Gm15	13170577	13171117	Gmdrm	hypo	CHG	-0.2108
Gm15	13173983	13173998	Gmdrm	hypo	CHG	-0.436
Gm15	13179680	13179729	Gmdrm	hypo	CHG	-0.12
Gm15	13222222	13222400	Gmdrm	hypo	CHG	-0.0913
Gm15	13240390	13240719	Gmdrm	hypo	CHG	-0.032
Gm15	13243028	13243174	Gmdrm	hypo	CHG	-0.048
Gm15	13246538	13246581	Gmdrm	hypo	CHG	-0.616
Gm15	13246771	13246880	Gmdrm	hypo	CHG	-0.4867
Gm15	13247404	13247551	Gmdrm	hypo	CHG	-0.7043
Gm15	13247839	13247908	Gmdrm	hypo	CHG	-0.885
Gm15	13258317	13258747	Gmdrm	hypo	CHG	-0.3756
Gm15	13265883	13266079	Gmdrm	hypo	CHG	-0.0386
Gm15	13282977	13283952	Gmdrm	hypo	CHG	-0.4139
Gm15	13295047	13295502	Gmdrm	hypo	CHG	-0.031
Gm15	13308779	13308949	Gmdrm	hypo	CHG	-0.6376
Gm15	13323030	13323140	Gmdrm	hypo	CHG	-0.3986
Gm15	13345418	13345629	Gmdrm	hypo	CHG	-0.513
Gm15	13346158	13346336	Gmdrm	hypo	CHG	-0.433
Gm15	13357900	13357988	Gmdrm	hypo	CHG	-0.575
Gm15	13361227	13361327	Gmdrm	hypo	CHG	-0.05
Gm15	13363453	13363653	Gmdrm	hypo	CHG	-0.4437
Gm15	13363880	13363989	Gmdrm	hypo	CHG	-0.699
Gm15	13364103	13364199	Gmdrm	hypo	CHG	-0.4789
Gm15	13364300	13364523	Gmdrm	hypo	CHG	-0.2712
Gm15	13368742	13368844	Gmdrm	hypo	CHG	-0.5187
Gm15	13370310	13370496	Gmdrm	hypo	CHG	-0.05
Gm15	13398624	13398677	Gmdrm	hypo	CHG	-0.71
Gm15	13410518	13410685	Gmdrm	hypo	CHG	-0.5593
Gm15	13410786	13410854	Gmdrm	hypo	CHG	-0.6688
Gm15	13427854	13427932	Gmdrm	hypo	CHG	-0.135

Gm15	13435786	13436159	Gmdrm	hypo	CHG	-0.4856
Gm15	13436385	13436486	Gmdrm	hypo	CHG	-0.042
Gm15	13443902	13444033	Gmdrm	hypo	CHG	-0.603
Gm15	13473905	13474106	Gmdrm	hypo	CHG	-0.4151
Gm15	13528725	13528946	Gmdrm	hypo	CHG	-0.03
Gm15	13589907	13590045	Gmdrm	hypo	CHG	-0.554
Gm15	13598059	13598245	Gmdrm	hypo	CHG	-0.6073
Gm15	13600040	13600122	Gmdrm	hypo	CHG	-0.1194
Gm15	13629507	13629678	Gmdrm	hypo	CHG	-0.4324
Gm15	13657517	13657605	Gmdrm	hypo	CHG	-0.1172
Gm15	13662956	13663418	Gmdrm	hypo	CHG	-0.2831
Gm15	13669887	13669946	Gmdrm	hypo	CHG	-0.4114
Gm15	13670153	13670356	Gmdrm	hypo	CHG	-0.484
Gm15	13677168	13677220	Gmdrm	hypo	CHG	-0.564
Gm15	13685770	13686726	Gmdrm	hypo	CHG	-0.4168
Gm15	13698741	13698855	Gmdrm	hypo	CHG	-0.278
Gm15	13731141	13731362	Gmdrm	hypo	CHG	-0.5017
Gm15	13743868	13744001	Gmdrm	hypo	CHG	-0.366
Gm15	13750545	13751306	Gmdrm	hypo	CHG	-0.3504
Gm15	13776871	13777263	Gmdrm	hypo	CHG	-0.2878
Gm15	13799704	13799768	Gmdrm	hypo	CHG	-0.035
Gm15	13839956	13840420	Gmdrm	hypo	CHG	-0.279
Gm15	13847503	13847700	Gmdrm	hypo	CHG	-0.0387
Gm15	13883698	13883795	Gmdrm	hypo	CHG	-0.5
Gm15	13892056	13892339	Gmdrm	hypo	CHG	-0.1372
Gm15	13893630	13893753	Gmdrm	hypo	CHG	-0.7551
Gm15	13894199	13894256	Gmdrm	hypo	CHG	-0.6633
Gm15	13896149	13896473	Gmdrm	hypo	CHG	-0.3837
Gm15	13899525	13899576	Gmdrm	hypo	CHG	-0.048
Gm15	13899970	13900082	Gmdrm	hypo	CHG	-0.7617
Gm15	13907012	13907122	Gmdrm	hypo	CHG	-0.5083
Gm15	13915925	13915957	Gmdrm	hypo	CHG	-0.384
Gm15	13917072	13917451	Gmdrm	hypo	CHG	-0.4379
Gm15	13917660	13917781	Gmdrm	hypo	CHG	-0.6889
Gm15	13917891	13918208	Gmdrm	hypo	CHG	-0.5158
Gm15	13931463	13931907	Gmdrm	hypo	CHG	-0.1993
Gm15	13940421	13940536	Gmdrm	hypo	CHG	-0.75
Gm15	13944760	13945146	Gmdrm	hypo	CHG	-0.5118
Gm15	13951404	13951570	Gmdrm	hypo	CHG	-0.2408
Gm15	13955159	13955295	Gmdrm	hypo	CHG	-0.3291
Gm15	13958610	13959012	Gmdrm	hypo	CHG	-0.3392
Gm15	13959158	13959205	Gmdrm	hypo	CHG	-0.8537
Gm15	13964703	13964771	Gmdrm	hypo	CHG	-0.2733
Gm15	13964938	13965537	Gmdrm	hypo	CHG	-0.209
Gm15	13967874	13968090	Gmdrm	hypo	CHG	-0.3827
Gm15	13981451	13981770	Gmdrm	hypo	CHG	-0.2523

Gm15	13982797	13982988	Gmdrm	hypo	CHG	-0.4388
Gm15	13988393	13988491	Gmdrm	hypo	CHG	-0.0283
Gm15	13992596	13992839	Gmdrm	hypo	CHG	-0.7593
Gm15	13993031	13993236	Gmdrm	hypo	CHG	-0.7946
Gm15	13993346	13993545	Gmdrm	hypo	CHG	-0.8958
Gm15	13998987	13999220	Gmdrm	hypo	CHG	-0.5225
Gm15	14013345	14013594	Gmdrm	hypo	CHG	-0.0467
Gm15	14041861	14041917	Gmdrm	hypo	CHG	-0.766
Gm15	14045413	14045715	Gmdrm	hypo	CHG	-0.0643
Gm15	14053477	14054002	Gmdrm	hypo	CHG	-0.0529
Gm15	14063077	14063510	Gmdrm	hypo	CHG	-0.3131
Gm15	14090757	14091054	Gmdrm	hypo	CHG	-0.8734
Gm15	14091746	14092016	Gmdrm	hypo	CHG	-0.6635
Gm15	14103562	14103706	Gmdrm	hypo	CHG	-0.2313
Gm15	14117878	14117913	Gmdrm	hypo	CHG	-0.625
Gm15	14165760	14165894	Gmdrm	hypo	CHG	-0.455
Gm15	14166420	14166527	Gmdrm	hypo	CHG	-0.42
Gm15	14167985	14168155	Gmdrm	hypo	CHG	-0.66
Gm15	14172950	14173160	Gmdrm	hypo	CHG	-0.5147
Gm15	14178953	14179128	Gmdrm	hypo	CHG	-0.4733
Gm15	14197499	14197569	Gmdrm	hypo	CHG	-0.3534
Gm15	14214806	14214923	Gmdrm	hypo	CHG	-0.1229
Gm15	14217821	14217938	Gmdrm	hypo	CHG	-0.7131
Gm15	14223058	14223153	Gmdrm	hypo	CHG	-0.37
Gm15	14237975	14238070	Gmdrm	hypo	CHG	-0.4783
Gm15	14249748	14249823	Gmdrm	hypo	CHG	-0.3
Gm15	14261457	14261979	Gmdrm	hypo	CHG	-0.0984
Gm15	14262424	14262523	Gmdrm	hypo	CHG	-0.552
Gm15	14264572	14264736	Gmdrm	hypo	CHG	-0.0467
Gm15	14268127	14268344	Gmdrm	hypo	CHG	-0.0641
Gm15	14271515	14271662	Gmdrm	hypo	CHG	-0.2792
Gm15	14282723	14283136	Gmdrm	hypo	CHG	-0.7221
Gm15	14287056	14287217	Gmdrm	hypo	CHG	-0.5945
Gm15	14302294	14302707	Gmdrm	hypo	CHG	-0.3067
Gm15	14325745	14325946	Gmdrm	hypo	CHG	-0.6743
Gm15	14339528	14339639	Gmdrm	hypo	CHG	-0.554
Gm15	14340084	14340282	Gmdrm	hypo	CHG	-0.4642
Gm15	14342514	14342567	Gmdrm	hypo	CHG	-0.58
Gm15	14348604	14348955	Gmdrm	hypo	CHG	-0.2725
Gm15	14368649	14368822	Gmdrm	hypo	CHG	-0.3779
Gm15	14370384	14370576	Gmdrm	hypo	CHG	-0.0843
Gm15	14375762	14375991	Gmdrm	hypo	CHG	-0.376
Gm15	14418393	14418563	Gmdrm	hypo	CHG	-0.3762
Gm15	14442986	14443939	Gmdrm	hypo	CHG	-0.2444
Gm15	14448194	14448250	Gmdrm	hypo	CHG	-0.3217
Gm15	14450414	14450558	Gmdrm	hypo	CHG	-0.3842

Gm15	14450678	14451320	Gmdrm	hypo	CHG	-0.408
Gm15	14451448	14451934	Gmdrm	hypo	CHG	-0.6004
Gm15	14463572	14463918	Gmdrm	hypo	CHG	-0.5559
Gm15	14469202	14469291	Gmdrm	hypo	CHG	-0.4966
Gm15	14486396	14486827	Gmdrm	hypo	CHG	-0.1042
Gm15	14487126	14487625	Gmdrm	hypo	CHG	-0.2054
Gm15	14487733	14488697	Gmdrm	hypo	CHG	-0.2022
Gm15	14496205	14496328	Gmdrm	hypo	CHG	-0.056
Gm15	14524597	14524701	Gmdrm	hypo	CHG	-0.0683
Gm15	14525472	14525673	Gmdrm	hypo	CHG	-0.1144
Gm15	14534793	14535018	Gmdrm	hypo	CHG	-0.0333
Gm15	14542641	14542717	Gmdrm	hypo	CHG	-0.3467
Gm15	14550985	14551138	Gmdrm	hypo	CHG	-0.8146
Gm15	14551340	14551409	Gmdrm	hypo	CHG	-0.8574
Gm15	14551918	14552079	Gmdrm	hypo	CHG	-0.6693
Gm15	14552365	14552639	Gmdrm	hypo	CHG	-0.2678
Gm15	14553842	14554058	Gmdrm	hypo	CHG	-0.6508
Gm15	14554331	14554800	Gmdrm	hypo	CHG	-0.3034
Gm15	14581191	14581281	Gmdrm	hypo	CHG	-0.2312
Gm15	14581614	14581711	Gmdrm	hypo	CHG	-0.4222
Gm15	14640893	14640915	Gmdrm	hypo	CHG	-0.145
Gm15	14650927	14651057	Gmdrm	hypo	CHG	-0.568
Gm15	14651194	14651327	Gmdrm	hypo	CHG	-0.2683
Gm15	14657054	14657175	Gmdrm	hypo	CHG	-0.108
Gm15	14662822	14663815	Gmdrm	hypo	CHG	-0.1874
Gm15	14673401	14673703	Gmdrm	hypo	CHG	-0.236
Gm15	14697752	14698047	Gmdrm	hypo	CHG	-0.4915
Gm15	14699157	14699436	Gmdrm	hypo	CHG	-0.6269
Gm15	14699790	14699844	Gmdrm	hypo	CHG	-0.3484
Gm15	14708097	14708204	Gmdrm	hypo	CHG	-0.4689
Gm15	14708666	14709066	Gmdrm	hypo	CHG	-0.2332
Gm15	14709636	14709728	Gmdrm	hypo	CHG	-0.358
Gm15	14709949	14710132	Gmdrm	hypo	CHG	-0.2199
Gm15	14714204	14714386	Gmdrm	hypo	CHG	-0.4833
Gm15	14731326	14731450	Gmdrm	hypo	CHG	-0.925
Gm15	14764179	14764656	Gmdrm	hypo	CHG	-0.247
Gm15	14774853	14774951	Gmdrm	hypo	CHG	-0.496
Gm15	14778223	14778303	Gmdrm	hypo	CHG	-0.0783
Gm15	14780556	14780664	Gmdrm	hypo	CHG	-0.7224
Gm15	14781019	14781331	Gmdrm	hypo	CHG	-0.5936
Gm15	14782677	14782781	Gmdrm	hypo	CHG	-0.3117
Gm15	14794130	14794527	Gmdrm	hypo	CHG	-0.1267
Gm15	14794779	14794803	Gmdrm	hypo	CHG	-0.55
Gm15	14802350	14802482	Gmdrm	hypo	CHG	-0.4008
Gm15	14803307	14803410	Gmdrm	hypo	CHG	-0.09
Gm15	14852636	14853112	Gmdrm	hypo	CHG	-0.7875

Gm15	14853463	14853607	Gmdrm	hypo	CHG	-0.732
Gm15	14853733	14853810	Gmdrm	hypo	CHG	-0.624
Gm15	14859253	14860141	Gmdrm	hypo	CHG	-0.1202
Gm15	14880067	14880164	Gmdrm	hypo	CHG	-0.4537
Gm15	14880979	14881008	Gmdrm	hypo	CHG	-0.3733
Gm15	14901496	14902200	Gmdrm	hypo	CHG	-0.42
Gm15	14949152	14949356	Gmdrm	hypo	CHG	-0.6107
Gm15	15027070	15027389	Gmdrm	hypo	CHG	-0.7905
Gm15	15030822	15030973	Gmdrm	hypo	CHG	-0.751
Gm15	15031453	15031597	Gmdrm	hypo	CHG	-0.7373
Gm15	15033571	15033681	Gmdrm	hypo	CHG	-0.2917
Gm15	15036371	15036455	Gmdrm	hypo	CHG	-0.6938
Gm15	15036901	15036973	Gmdrm	hypo	CHG	-0.6013
Gm15	15054896	15055048	Gmdrm	hypo	CHG	-0.44
Gm15	15056787	15057160	Gmdrm	hypo	CHG	-0.4239
Gm15	15058926	15059082	Gmdrm	hypo	CHG	-0.3
Gm15	15064095	15064335	Gmdrm	hypo	CHG	-0.3957
Gm15	15103265	15103365	Gmdrm	hypo	CHG	-0.2345
Gm15	15107307	15107481	Gmdrm	hypo	CHG	-0.4289
Gm15	15118379	15118507	Gmdrm	hypo	CHG	-0.5373
Gm15	15121185	15121412	Gmdrm	hypo	CHG	-0.1161
Gm15	15129993	15130167	Gmdrm	hypo	CHG	-0.0357
Gm15	15155276	15155707	Gmdrm	hypo	CHG	-0.2194
Gm15	15160591	15160875	Gmdrm	hypo	CHG	-0.3946
Gm15	15167384	15167570	Gmdrm	hypo	CHG	-0.523
Gm15	15170153	15170378	Gmdrm	hypo	CHG	-0.3134
Gm15	15183314	15184096	Gmdrm	hypo	CHG	-0.2533
Gm15	15184730	15184822	Gmdrm	hypo	CHG	-0.3251
Gm15	15184973	15185287	Gmdrm	hypo	CHG	-0.2622
Gm15	15186222	15186920	Gmdrm	hypo	CHG	-0.274
Gm15	15191757	15192188	Gmdrm	hypo	CHG	-0.0362
Gm15	15204227	15204446	Gmdrm	hypo	CHG	-0.8289
Gm15	15204614	15204704	Gmdrm	hypo	CHG	-0.416
Gm15	15205080	15205195	Gmdrm	hypo	CHG	-0.316
Gm15	15205392	15205627	Gmdrm	hypo	CHG	-0.7427
Gm15	15219226	15219631	Gmdrm	hypo	CHG	-0.41
Gm15	15224272	15224338	Gmdrm	hypo	CHG	-0.5887
Gm15	15224563	15224695	Gmdrm	hypo	CHG	-0.7617
Gm15	15233715	15233930	Gmdrm	hypo	CHG	-0.5009
Gm15	15234883	15235012	Gmdrm	hypo	CHG	-0.2933
Gm15	15249163	15249325	Gmdrm	hypo	CHG	-0.4267
Gm15	15249480	15249800	Gmdrm	hypo	CHG	-0.3942
Gm15	15274077	15274203	Gmdrm	hypo	CHG	-0.7878
Gm15	15286150	15286253	Gmdrm	hypo	CHG	-0.298
Gm15	15286474	15286611	Gmdrm	hypo	CHG	-0.415
Gm15	15292963	15293040	Gmdrm	hypo	CHG	-0.761

Gm15	15293282	15293390	Gmdrm	hypo	CHG	-0.402
Gm15	15296264	15296752	Gmdrm	hypo	CHG	-0.2832
Gm15	15299731	15300014	Gmdrm	hypo	CHG	-0.0301
Gm15	15326105	15326189	Gmdrm	hypo	CHG	-0.594
Gm15	15327997	15328185	Gmdrm	hypo	CHG	-0.54
Gm15	15330198	15330343	Gmdrm	hypo	CHG	-0.5678
Gm15	15330518	15330680	Gmdrm	hypo	CHG	-0.5071
Gm15	15330818	15330963	Gmdrm	hypo	CHG	-0.3718
Gm15	15331104	15331465	Gmdrm	hypo	CHG	-0.2832
Gm15	15332237	15332273	Gmdrm	hypo	CHG	-0.0586
Gm15	15332498	15332600	Gmdrm	hypo	CHG	-0.0962
Gm15	15332709	15332885	Gmdrm	hypo	CHG	-0.2707
Gm15	15332989	15333154	Gmdrm	hypo	CHG	-0.3491
Gm15	15333550	15333693	Gmdrm	hypo	CHG	-0.4575
Gm15	15334318	15334361	Gmdrm	hypo	CHG	-0.3523
Gm15	15357136	15357308	Gmdrm	hypo	CHG	-0.775
Gm15	15357751	15357949	Gmdrm	hypo	CHG	-0.321
Gm15	15372979	15373406	Gmdrm	hypo	CHG	-0.181
Gm15	15374234	15374460	Gmdrm	hypo	CHG	-0.4482
Gm15	15374599	15374727	Gmdrm	hypo	CHG	-0.6262
Gm15	15376911	15377128	Gmdrm	hypo	CHG	-0.687
Gm15	15386390	15386616	Gmdrm	hypo	CHG	-0.411
Gm15	15482930	15483081	Gmdrm	hypo	CHG	-0.3343
Gm15	15483225	15483393	Gmdrm	hypo	CHG	-0.6628
Gm15	15489347	15489619	Gmdrm	hypo	CHG	-0.162
Gm15	15504203	15504950	Gmdrm	hypo	CHG	-0.4568
Gm15	15529611	15529665	Gmdrm	hypo	CHG	-0.066
Gm15	15533286	15533398	Gmdrm	hypo	CHG	-0.4675
Gm15	15533535	15533914	Gmdrm	hypo	CHG	-0.566
Gm15	15534020	15534156	Gmdrm	hypo	CHG	-0.4186
Gm15	15534287	15534424	Gmdrm	hypo	CHG	-0.612
Gm15	15535829	15536357	Gmdrm	hypo	CHG	-0.3941
Gm15	15563231	15563349	Gmdrm	hypo	CHG	-0.2033
Gm15	15579040	15579179	Gmdrm	hypo	CHG	-0.22
Gm15	15589179	15589363	Gmdrm	hypo	CHG	-0.5988
Gm15	15594769	15595098	Gmdrm	hypo	CHG	-0.44
Gm15	15617570	15617784	Gmdrm	hypo	CHG	-0.47
Gm15	15628430	15628521	Gmdrm	hypo	CHG	-0.032
Gm15	15631828	15631918	Gmdrm	hypo	CHG	-0.585
Gm15	15650800	15650979	Gmdrm	hypo	CHG	-0.6726
Gm15	15651164	15651426	Gmdrm	hypo	CHG	-0.4366
Gm15	15651811	15652010	Gmdrm	hypo	CHG	-0.2669
Gm15	15652346	15652477	Gmdrm	hypo	CHG	-0.6343
Gm15	15680916	15681086	Gmdrm	hypo	CHG	-0.654
Gm15	15681200	15681247	Gmdrm	hypo	CHG	-0.344
Gm15	15715262	15715418	Gmdrm	hypo	CHG	-0.05

Gm15	15735610	15735685 Gmdrm	hypo	CHG	-0.3043
Gm15	15735847	15735878 Gmdrm	hypo	CHG	-0.3383
Gm15	15736959	15737007 Gmdrm	hypo	CHG	-0.235
Gm15	15754641	15754907 Gmdrm	hypo	CHG	-0.2325
Gm15	15761967	15762848 Gmdrm	hypo	CHG	-0.3026
Gm15	15765458	15765645 Gmdrm	hypo	CHG	-0.2009
Gm15	15773994	15774101 Gmdrm	hypo	CHG	-0.54
Gm15	15775175	15775414 Gmdrm	hypo	CHG	-0.59
Gm15	15787642	15787934 Gmdrm	hypo	CHG	-0.0375
Gm15	15790750	15791012 Gmdrm	hypo	CHG	-0.6178
Gm15	15793235	15793306 Gmdrm	hypo	CHG	-0.3657
Gm15	15798771	15799310 Gmdrm	hypo	CHG	-0.2054
Gm15	15805933	15805948 Gmdrm	hypo	CHG	-0.558
Gm15	15810524	15811021 Gmdrm	hypo	CHG	-0.2379
Gm15	15814399	15814523 Gmdrm	hypo	CHG	-0.5867
Gm15	15820593	15820878 Gmdrm	hypo	CHG	-0.852
Gm15	15821582	15821662 Gmdrm	hypo	CHG	-0.7289
Gm15	15821955	15822165 Gmdrm	hypo	CHG	-0.88
Gm15	15832414	15832525 Gmdrm	hypo	CHG	-0.855
Gm15	15840842	15841060 Gmdrm	hypo	CHG	-0.364
Gm15	15848690	15848888 Gmdrm	hypo	CHG	-0.495
Gm15	15866874	15867026 Gmdrm	hypo	CHG	-0.0567
Gm15	15867283	15867377 Gmdrm	hypo	CHG	-0.2443
Gm15	15868776	15869069 Gmdrm	hypo	CHG	-0.1033
Gm15	15882263	15882447 Gmdrm	hypo	CHG	-0.2542
Gm15	15882891	15883441 Gmdrm	hypo	CHG	-0.2096
Gm15	15883551	15883740 Gmdrm	hypo	CHG	-0.2843
Gm15	15883902	15884054 Gmdrm	hypo	CHG	-0.3712
Gm15	15884567	15884768 Gmdrm	hypo	CHG	-0.182
Gm15	15884914	15885014 Gmdrm	hypo	CHG	-0.1616
Gm15	15885122	15886077 Gmdrm	hypo	CHG	-0.2336
Gm15	15893690	15893947 Gmdrm	hypo	CHG	-0.816
Gm15	15898138	15898393 Gmdrm	hypo	CHG	-0.5885
Gm15	15898503	15898780 Gmdrm	hypo	CHG	-0.7725
Gm15	15951328	15951542 Gmdrm	hypo	CHG	-0.0586
Gm15	15957314	15957406 Gmdrm	hypo	CHG	-0.2221
Gm15	15958088	15958367 Gmdrm	hypo	CHG	-0.4694
Gm15	15964975	15965071 Gmdrm	hypo	CHG	-0.6513
Gm15	15965538	15965679 Gmdrm	hypo	CHG	-0.7773
Gm15	15965845	15965962 Gmdrm	hypo	CHG	-0.456
Gm15	15968260	15969251 Gmdrm	hypo	CHG	-0.2476
Gm15	15996716	15996976 Gmdrm	hypo	CHG	-0.2727
Gm15	15999672	15999769 Gmdrm	hypo	CHG	-0.6
Gm15	15999878	16000067 Gmdrm	hypo	CHG	-0.21
Gm15	16000227	16000375 Gmdrm	hypo	CHG	-0.562
Gm15	16000777	16000970 Gmdrm	hypo	CHG	-0.5528

Gm15	16036821	16037065	Gmdrm	hypo	CHG	-0.2712
Gm15	16084637	16084906	Gmdrm	hypo	CHG	-0.135
Gm15	16086640	16086918	Gmdrm	hypo	CHG	-0.3825
Gm15	16088639	16088819	Gmdrm	hypo	CHG	-0.3954
Gm15	16189535	16189747	Gmdrm	hypo	CHG	-0.4636
Gm15	16240120	16240185	Gmdrm	hypo	CHG	-0.256
Gm15	16591659	16592394	Gmdrm	hypo	CHG	-0.1738
Gm15	16600236	16600393	Gmdrm	hypo	CHG	-0.4687
Gm15	16600496	16600521	Gmdrm	hypo	CHG	-0.84
Gm15	16600733	16601112	Gmdrm	hypo	CHG	-0.2609
Gm15	16602729	16602767	Gmdrm	hypo	CHG	-0.572
Gm15	16603089	16603238	Gmdrm	hypo	CHG	-0.8014
Gm15	16603972	16604067	Gmdrm	hypo	CHG	-0.6133
Gm15	16626687	16626848	Gmdrm	hypo	CHG	-0.4566
Gm15	16629994	16630363	Gmdrm	hypo	CHG	-0.2689
Gm15	16630982	16631003	Gmdrm	hypo	CHG	-0.648
Gm15	16640602	16640762	Gmdrm	hypo	CHG	-0.79
Gm15	16641393	16641542	Gmdrm	hypo	CHG	-0.046
Gm15	16645784	16645988	Gmdrm	hypo	CHG	-0.7822
Gm15	16648071	16648100	Gmdrm	hypo	CHG	-0.5416
Gm15	16648222	16648413	Gmdrm	hypo	CHG	-0.5762
Gm15	16648877	16649081	Gmdrm	hypo	CHG	-0.6438
Gm15	16671287	16671483	Gmdrm	hypo	CHG	-0.586
Gm15	16739200	16739380	Gmdrm	hypo	CHG	-0.7257
Gm15	16761697	16762152	Gmdrm	hypo	CHG	-0.1704
Gm15	16762281	16762480	Gmdrm	hypo	CHG	-0.135
Gm15	16764149	16764371	Gmdrm	hypo	CHG	-0.1275
Gm15	16776688	16776771	Gmdrm	hypo	CHG	-0.67
Gm15	16779639	16780140	Gmdrm	hypo	CHG	-0.7155
Gm15	16788982	16789296	Gmdrm	hypo	CHG	-0.3625
Gm15	16789411	16789997	Gmdrm	hypo	CHG	-0.1509
Gm15	16790135	16790235	Gmdrm	hypo	CHG	-0.0529
Gm15	16790344	16790383	Gmdrm	hypo	CHG	-0.0667
Gm15	16834660	16834914	Gmdrm	hypo	CHG	-0.3634
Gm15	16840043	16840132	Gmdrm	hypo	CHG	-0.8175
Gm15	16840428	16840840	Gmdrm	hypo	CHG	-0.7542
Gm15	16854222	16854685	Gmdrm	hypo	CHG	-0.275
Gm15	16863794	16863872	Gmdrm	hypo	CHG	-0.5183
Gm15	16870826	16870903	Gmdrm	hypo	CHG	-0.5417
Gm15	16871905	16871975	Gmdrm	hypo	CHG	-0.346
Gm15	16931672	16931908	Gmdrm	hypo	CHG	-0.046
Gm15	16945055	16945139	Gmdrm	hypo	CHG	-0.17
Gm15	16951249	16951402	Gmdrm	hypo	CHG	-0.8216
Gm15	16955845	16955899	Gmdrm	hypo	CHG	-0.058
Gm15	16956240	16956549	Gmdrm	hypo	CHG	-0.2871
Gm15	16973369	16973634	Gmdrm	hypo	CHG	-0.4381

Gm15	16975550	16975711	Gmdrm	hypo	CHG	-0.345
Gm15	16976746	16977007	Gmdrm	hypo	CHG	-0.114
Gm15	16978528	16978654	Gmdrm	hypo	CHG	-0.5986
Gm15	16981428	16981614	Gmdrm	hypo	CHG	-0.5549
Gm15	16986172	16986380	Gmdrm	hypo	CHG	-0.6794
Gm15	17001897	17002036	Gmdrm	hypo	CHG	-0.7433
Gm15	17010460	17010573	Gmdrm	hypo	CHG	-0.5986
Gm15	17024781	17024817	Gmdrm	hypo	CHG	-0.102
Gm15	17025138	17025327	Gmdrm	hypo	CHG	-0.61
Gm15	17027977	17028148	Gmdrm	hypo	CHG	-0.122
Gm15	17043078	17043180	Gmdrm	hypo	CHG	-0.5666
Gm15	17051532	17051654	Gmdrm	hypo	CHG	-0.6817
Gm15	17056729	17057069	Gmdrm	hypo	CHG	-0.0376
Gm15	17075268	17075475	Gmdrm	hypo	CHG	-0.422
Gm15	17103795	17104008	Gmdrm	hypo	CHG	-0.2042
Gm15	17125620	17126137	Gmdrm	hypo	CHG	-0.4365
Gm15	17129823	17129862	Gmdrm	hypo	CHG	-0.6343
Gm15	17130298	17130526	Gmdrm	hypo	CHG	-0.8109
Gm15	17167355	17167499	Gmdrm	hypo	CHG	-0.3661
Gm15	17167624	17167675	Gmdrm	hypo	CHG	-0.43
Gm15	17194448	17194482	Gmdrm	hypo	CHG	-0.616
Gm15	17201877	17201992	Gmdrm	hypo	CHG	-0.0367
Gm15	17202230	17202608	Gmdrm	hypo	CHG	-0.7347
Gm15	17203277	17203427	Gmdrm	hypo	CHG	-0.06
Gm15	17203612	17203758	Gmdrm	hypo	CHG	-0.05
Gm15	17228810	17228848	Gmdrm	hypo	CHG	-0.194
Gm15	17229069	17229177	Gmdrm	hypo	CHG	-0.5133
Gm15	17255266	17255526	Gmdrm	hypo	CHG	-0.2925
Gm15	17255648	17255816	Gmdrm	hypo	CHG	-0.5414
Gm15	17256173	17256295	Gmdrm	hypo	CHG	-0.6167
Gm15	17269262	17269364	Gmdrm	hypo	CHG	-0.315
Gm15	17288402	17288575	Gmdrm	hypo	CHG	-0.7367
Gm15	17293231	17293444	Gmdrm	hypo	CHG	-0.238
Gm15	17293545	17294298	Gmdrm	hypo	CHG	-0.4277
Gm15	17296577	17296662	Gmdrm	hypo	CHG	-0.1233
Gm15	17296797	17297164	Gmdrm	hypo	CHG	-0.7464
Gm15	17297464	17297489	Gmdrm	hypo	CHG	-0.8163
Gm15	17297697	17297910	Gmdrm	hypo	CHG	-0.3462
Gm15	17298354	17298589	Gmdrm	hypo	CHG	-0.225
Gm15	17315121	17315418	Gmdrm	hypo	CHG	-0.874
Gm15	17315985	17316134	Gmdrm	hypo	CHG	-0.309
Gm15	17316628	17317016	Gmdrm	hypo	CHG	-0.7027
Gm15	17319108	17319326	Gmdrm	hypo	CHG	-0.3981
Gm15	17329719	17329797	Gmdrm	hypo	CHG	-0.7133
Gm15	17330966	17331141	Gmdrm	hypo	CHG	-0.2834
Gm15	17359212	17359444	Gmdrm	hypo	CHG	-0.236

Gm15	17378172	17378543	Gmdrm	hypo	CHG	-0.3473
Gm15	17382061	17382229	Gmdrm	hypo	CHG	-0.5133
Gm15	17384786	17384921	Gmdrm	hypo	CHG	-0.4934
Gm15	17420367	17420653	Gmdrm	hypo	CHG	-0.3934
Gm15	17493512	17493618	Gmdrm	hypo	CHG	-0.068
Gm15	17507619	17507682	Gmdrm	hypo	CHG	-0.1383
Gm15	17524198	17524480	Gmdrm	hypo	CHG	-0.0353
Gm15	17524855	17524891	Gmdrm	hypo	CHG	-0.0443
Gm15	17525218	17525287	Gmdrm	hypo	CHG	-0.1017
Gm15	17533450	17533916	Gmdrm	hypo	CHG	-0.2279
Gm15	17541554	17541880	Gmdrm	hypo	CHG	-0.292
Gm15	17569114	17569792	Gmdrm	hypo	CHG	-0.5803
Gm15	17577734	17577932	Gmdrm	hypo	CHG	-0.5727
Gm15	17578069	17578256	Gmdrm	hypo	CHG	-0.4312
Gm15	17579452	17579780	Gmdrm	hypo	CHG	-0.1434
Gm15	17590247	17590375	Gmdrm	hypo	CHG	-0.3625
Gm15	17593218	17593368	Gmdrm	hypo	CHG	-0.046
Gm15	17608843	17608976	Gmdrm	hypo	CHG	-0.6416
Gm15	17649858	17650140	Gmdrm	hypo	CHG	-0.4022
Gm15	17658641	17658819	Gmdrm	hypo	CHG	-0.387
Gm15	17680236	17680342	Gmdrm	hypo	CHG	-0.044
Gm15	17688568	17688710	Gmdrm	hypo	CHG	-0.1775
Gm15	17704164	17704457	Gmdrm	hypo	CHG	-0.3801
Gm15	17737270	17737485	Gmdrm	hypo	CHG	-0.8378
Gm15	17741518	17741643	Gmdrm	hypo	CHG	-0.2734
Gm15	17742388	17742478	Gmdrm	hypo	CHG	-0.3562
Gm15	17751724	17751978	Gmdrm	hypo	CHG	-0.2875
Gm15	17755242	17755554	Gmdrm	hypo	CHG	-0.3146
Gm15	17775677	17775825	Gmdrm	hypo	CHG	-0.2183
Gm15	17777134	17777357	Gmdrm	hypo	CHG	-0.15
Gm15	17789694	17789776	Gmdrm	hypo	CHG	-0.145
Gm15	17792169	17792606	Gmdrm	hypo	CHG	-0.0106
Gm15	17799127	17799283	Gmdrm	hypo	CHG	-0.3588
Gm15	17799415	17799444	Gmdrm	hypo	CHG	-0.2726
Gm15	17814061	17814229	Gmdrm	hypo	CHG	-0.273
Gm15	17819133	17819331	Gmdrm	hypo	CHG	-0.6991
Gm15	17826263	17826452	Gmdrm	hypo	CHG	-0.02
Gm15	17826909	17827072	Gmdrm	hypo	CHG	-0.5455
Gm15	17917549	17917689	Gmdrm	hypo	CHG	-0.462
Gm15	17918950	17919227	Gmdrm	hypo	CHG	-0.3812
Gm15	17938368	17938424	Gmdrm	hypo	CHG	-0.19
Gm15	17950989	17951364	Gmdrm	hypo	CHG	-0.208
Gm15	17951706	17951842	Gmdrm	hypo	CHG	-0.5172
Gm15	18048112	18048262	Gmdrm	hypo	CHG	-0.598
Gm15	18064478	18064623	Gmdrm	hypo	CHG	-0.054
Gm15	18065719	18065837	Gmdrm	hypo	CHG	-0.512

Gm15	18071951	18071979	Gmdrm	hypo	CHG	-0.1417
Gm15	18095325	18095516	Gmdrm	hypo	CHG	-0.2936
Gm15	18115051	18115577	Gmdrm	hypo	CHG	-0.0478
Gm15	18140039	18140099	Gmdrm	hypo	CHG	-0.16
Gm15	18338182	18338297	Gmdrm	hypo	CHG	-0.5771
Gm15	18344282	18344405	Gmdrm	hypo	CHG	-0.165
Gm15	18355524	18356270	Gmdrm	hypo	CHG	-0.2624
Gm15	18384730	18384822	Gmdrm	hypo	CHG	-0.642
Gm15	18398320	18398402	Gmdrm	hypo	CHG	-0.3075
Gm15	18443388	18443755	Gmdrm	hypo	CHG	-0.6164
Gm15	18477606	18478036	Gmdrm	hypo	CHG	-0.138
Gm15	18481984	18482216	Gmdrm	hypo	CHG	-0.2
Gm15	18510110	18511064	Gmdrm	hypo	CHG	-0.2159
Gm15	18514691	18514916	Gmdrm	hypo	CHG	-0.0938
Gm15	18599962	18600451	Gmdrm	hypo	CHG	-0.038
Gm15	18606619	18606755	Gmdrm	hypo	CHG	-0.465
Gm15	18670294	18670325	Gmdrm	hypo	CHG	-0.6867
Gm15	18672178	18672292	Gmdrm	hypo	CHG	-0.5367
Gm15	18672548	18672699	Gmdrm	hypo	CHG	-0.415
Gm15	18676838	18676985	Gmdrm	hypo	CHG	-0.6993
Gm15	18677129	18677298	Gmdrm	hypo	CHG	-0.7314
Gm15	18681981	18682325	Gmdrm	hypo	CHG	-0.2884
Gm15	18683918	18684047	Gmdrm	hypo	CHG	-0.5167
Gm15	18802248	18802765	Gmdrm	hypo	CHG	-0.218
Gm15	18840967	18841257	Gmdrm	hypo	CHG	-0.11
Gm15	18844894	18845080	Gmdrm	hypo	CHG	-0.235
Gm15	18848747	18848799	Gmdrm	hypo	CHG	-0.7414
Gm15	18852036	18852170	Gmdrm	hypo	CHG	-0.4471
Gm15	18925589	18925665	Gmdrm	hypo	CHG	-0.2181
Gm15	18935044	18935100	Gmdrm	hypo	CHG	-0.7717
Gm15	18938852	18938903	Gmdrm	hypo	CHG	-0.5533
Gm15	19083178	19083209	Gmdrm	hypo	CHG	-0.55
Gm15	19121212	19121313	Gmdrm	hypo	CHG	-0.2563
Gm15	19124664	19124749	Gmdrm	hypo	CHG	-0.54
Gm15	19186092	19186341	Gmdrm	hypo	CHG	-0.2284
Gm15	19196393	19196538	Gmdrm	hypo	CHG	-0.1712
Gm15	19316466	19316666	Gmdrm	hypo	CHG	-0.24
Gm15	19319568	19319926	Gmdrm	hypo	CHG	-0.3255
Gm15	19332199	19332548	Gmdrm	hypo	CHG	-0.3252
Gm15	19360812	19360866	Gmdrm	hypo	CHG	-0.555
Gm15	19371149	19372124	Gmdrm	hypo	CHG	-0.2297
Gm15	19372169	19372413	Gmdrm	hypo	CHG	-0.4673
Gm15	19381687	19381769	Gmdrm	hypo	CHG	-0.1575
Gm15	19385684	19386006	Gmdrm	hypo	CHG	-0.1867
Gm15	19479630	19479926	Gmdrm	hypo	CHG	-0.5125
Gm15	19483242	19483530	Gmdrm	hypo	CHG	-0.052

Gm15	19483684	19484680	Gmdrm	hypo	CHG	-0.532
Gm15	19484686	19484806	Gmdrm	hypo	CHG	-0.6022
Gm15	19484966	19485194	Gmdrm	hypo	CHG	-0.528
Gm15	19485307	19485601	Gmdrm	hypo	CHG	-0.1263
Gm15	19489226	19489425	Gmdrm	hypo	CHG	-0.03
Gm15	19496645	19497034	Gmdrm	hypo	CHG	-0.1494
Gm15	19501351	19501538	Gmdrm	hypo	CHG	-0.2
Gm15	19502200	19502920	Gmdrm	hypo	CHG	-0.3352
Gm15	19505377	19505887	Gmdrm	hypo	CHG	-0.0884
Gm15	19506417	19506706	Gmdrm	hypo	CHG	-0.2633
Gm15	19536681	19536819	Gmdrm	hypo	CHG	-0.395
Gm15	19540381	19540466	Gmdrm	hypo	CHG	-0.35
Gm15	19620174	19620322	Gmdrm	hypo	CHG	-0.3867
Gm15	19623955	19624151	Gmdrm	hypo	CHG	-0.2245
Gm15	19625922	19626144	Gmdrm	hypo	CHG	-0.0376
Gm15	19626301	19626781	Gmdrm	hypo	CHG	-0.1636
Gm15	19630068	19630175	Gmdrm	hypo	CHG	-0.008
Gm15	19633040	19633338	Gmdrm	hypo	CHG	-0.0418
Gm15	19636946	19637641	Gmdrm	hypo	CHG	-0.0458
Gm15	19644525	19645054	Gmdrm	hypo	CHG	-0.311
Gm15	19645618	19645814	Gmdrm	hypo	CHG	-0.232
Gm15	19647679	19647775	Gmdrm	hypo	CHG	-0.09
Gm15	19647932	19648893	Gmdrm	hypo	CHG	-0.1176
Gm15	19650556	19651496	Gmdrm	hypo	CHG	-0.0931
Gm15	20457013	20457532	Gmdrm	hypo	CHG	-0.3075
Gm15	20472785	20472894	Gmdrm	hypo	CHG	-0.4767
Gm15	20473637	20473712	Gmdrm	hypo	CHG	-0.465
Gm15	20476570	20476853	Gmdrm	hypo	CHG	-0.0323
Gm15	20486293	20486359	Gmdrm	hypo	CHG	-0.598
Gm15	20486529	20486637	Gmdrm	hypo	CHG	-0.4886
Gm15	20488159	20488366	Gmdrm	hypo	CHG	-0.2714
Gm15	20488583	20488662	Gmdrm	hypo	CHG	-0.3317
Gm15	20488787	20489047	Gmdrm	hypo	CHG	-0.2146
Gm15	20490703	20490766	Gmdrm	hypo	CHG	-0.34
Gm15	20490936	20491112	Gmdrm	hypo	CHG	-0.23
Gm15	20491320	20491700	Gmdrm	hypo	CHG	-0.3466
Gm15	20508000	20508348	Gmdrm	hypo	CHG	-0.1606
Gm15	20518908	20519404	Gmdrm	hypo	CHG	-0.1747
Gm15	20523256	20523385	Gmdrm	hypo	CHG	-0.5624
Gm15	20541112	20541198	Gmdrm	hypo	CHG	-0.412
Gm15	20570001	20570058	Gmdrm	hypo	CHG	-0.474
Gm15	20570166	20570313	Gmdrm	hypo	CHG	-0.6167
Gm15	20593173	20593282	Gmdrm	hypo	CHG	-0.3375
Gm15	20639759	20639907	Gmdrm	hypo	CHG	-0.6407
Gm15	20705617	20705692	Gmdrm	hypo	CHG	-0.098
Gm15	20769593	20769890	Gmdrm	hypo	CHG	-0.2016

Gm15	20837424	20837478	Gmdrm	hypo	CHG	-0.4867
Gm15	20844773	20844890	Gmdrm	hypo	CHG	-0.5767
Gm15	20845002	20845217	Gmdrm	hypo	CHG	-0.66
Gm15	20868842	20868966	Gmdrm	hypo	CHG	-0.2717
Gm15	20869200	20869268	Gmdrm	hypo	CHG	-0.1529
Gm15	20883884	20884353	Gmdrm	hypo	CHG	-0.2875
Gm15	20891182	20891257	Gmdrm	hypo	CHG	-0.504
Gm15	20901749	20901962	Gmdrm	hypo	CHG	-0.548
Gm15	20915811	20916032	Gmdrm	hypo	CHG	-0.3807
Gm15	20916507	20917081	Gmdrm	hypo	CHG	-0.2673
Gm15	20919533	20919653	Gmdrm	hypo	CHG	-0.4584
Gm15	20919832	20920139	Gmdrm	hypo	CHG	-0.7225
Gm15	20920323	20920477	Gmdrm	hypo	CHG	-0.51
Gm15	20921900	20922053	Gmdrm	hypo	CHG	-0.14
Gm15	20972415	20972507	Gmdrm	hypo	CHG	-0.535
Gm15	20973373	20973539	Gmdrm	hypo	CHG	-0.75
Gm15	20973774	20973852	Gmdrm	hypo	CHG	-0.2263
Gm15	20984637	20984874	Gmdrm	hypo	CHG	-0.0367
Gm15	21009262	21009433	Gmdrm	hypo	CHG	-0.6416
Gm15	21023043	21023105	Gmdrm	hypo	CHG	-0.755
Gm15	21026514	21026874	Gmdrm	hypo	CHG	-0.3678
Gm15	21028159	21028320	Gmdrm	hypo	CHG	-0.3667
Gm15	21033274	21033562	Gmdrm	hypo	CHG	-0.42
Gm15	21033821	21034128	Gmdrm	hypo	CHG	-0.513
Gm15	21035922	21036114	Gmdrm	hypo	CHG	-0.4133
Gm15	21074684	21074723	Gmdrm	hypo	CHG	-0.3425
Gm15	21104923	21105176	Gmdrm	hypo	CHG	-0.431
Gm15	21107188	21107589	Gmdrm	hypo	CHG	-0.2496
Gm15	21107738	21108222	Gmdrm	hypo	CHG	-0.2037
Gm15	21108606	21108830	Gmdrm	hypo	CHG	-0.2583
Gm15	21109153	21109271	Gmdrm	hypo	CHG	-0.514
Gm15	21110754	21110999	Gmdrm	hypo	CHG	-0.557
Gm15	21112103	21112380	Gmdrm	hypo	CHG	-0.4988
Gm15	21112499	21112700	Gmdrm	hypo	CHG	-0.6482
Gm15	21113583	21113685	Gmdrm	hypo	CHG	-0.748
Gm15	21121719	21122226	Gmdrm	hypo	CHG	-0.6263
Gm15	21140650	21140823	Gmdrm	hypo	CHG	-0.6114
Gm15	21148463	21148614	Gmdrm	hypo	CHG	-0.177
Gm15	21185418	21185786	Gmdrm	hypo	CHG	-0.5312
Gm15	21190640	21191017	Gmdrm	hypo	CHG	-0.4236
Gm15	21208651	21209209	Gmdrm	hypo	CHG	-0.439
Gm15	21209787	21210421	Gmdrm	hypo	CHG	-0.4928
Gm15	21210795	21210904	Gmdrm	hypo	CHG	-0.588
Gm15	21225324	21225400	Gmdrm	hypo	CHG	-0.136
Gm15	21248952	21249031	Gmdrm	hypo	CHG	-0.646
Gm15	21256470	21256859	Gmdrm	hypo	CHG	-0.2192

Gm15	21256980	21257116	Gmdrm	hypo	CHG	-0.8522
Gm15	21315962	21316375	Gmdrm	hypo	CHG	-0.1454
Gm15	21321402	21321735	Gmdrm	hypo	CHG	-0.2763
Gm15	21323152	21323248	Gmdrm	hypo	CHG	-0.6667
Gm15	21332736	21332890	Gmdrm	hypo	CHG	-0.823
Gm15	21385466	21385572	Gmdrm	hypo	CHG	-0.155
Gm15	21390956	21391162	Gmdrm	hypo	CHG	-0.205
Gm15	21391497	21391571	Gmdrm	hypo	CHG	-0.8417
Gm15	21391889	21392033	Gmdrm	hypo	CHG	-0.9166
Gm15	21399539	21399903	Gmdrm	hypo	CHG	-0.5253
Gm15	21448656	21449002	Gmdrm	hypo	CHG	-0.6544
Gm15	21449183	21449423	Gmdrm	hypo	CHG	-0.8067
Gm15	21455194	21455586	Gmdrm	hypo	CHG	-0.5385
Gm15	21461864	21462045	Gmdrm	hypo	CHG	-0.04
Gm15	21464069	21464284	Gmdrm	hypo	CHG	-0.4867
Gm15	21466097	21466663	Gmdrm	hypo	CHG	-0.1687
Gm15	21469373	21469410	Gmdrm	hypo	CHG	-0.062
Gm15	21469840	21469926	Gmdrm	hypo	CHG	-0.4567
Gm15	21472872	21473018	Gmdrm	hypo	CHG	-0.534
Gm15	21501524	21501637	Gmdrm	hypo	CHG	-0.3657
Gm15	21504258	21504417	Gmdrm	hypo	CHG	-0.1833
Gm15	21570719	21570769	Gmdrm	hypo	CHG	-0.2529
Gm15	21574510	21574603	Gmdrm	hypo	CHG	-0.4134
Gm15	21603611	21603647	Gmdrm	hypo	CHG	-0.21
Gm15	21607457	21607908	Gmdrm	hypo	CHG	-0.0192
Gm15	21611962	21612013	Gmdrm	hypo	CHG	-0.1075
Gm15	21632568	21633025	Gmdrm	hypo	CHG	-0.5881
Gm15	21646161	21646274	Gmdrm	hypo	CHG	-0.5971
Gm15	21666514	21667506	Gmdrm	hypo	CHG	-0.0356
Gm15	21673195	21674104	Gmdrm	hypo	CHG	-0.2439
Gm15	21677325	21677821	Gmdrm	hypo	CHG	-0.0943
Gm15	21685081	21686080	Gmdrm	hypo	CHG	-0.21
Gm15	21725858	21726326	Gmdrm	hypo	CHG	-0.1264
Gm15	21731126	21731348	Gmdrm	hypo	CHG	-0.3885
Gm15	21732959	21733305	Gmdrm	hypo	CHG	-0.0294
Gm15	21754842	21755008	Gmdrm	hypo	CHG	-0.365
Gm15	21755328	21755548	Gmdrm	hypo	CHG	-0.4325
Gm15	21802691	21803426	Gmdrm	hypo	CHG	-0.2537
Gm15	21804937	21805365	Gmdrm	hypo	CHG	-0.3019
Gm15	21805509	21805915	Gmdrm	hypo	CHG	-0.2262
Gm15	21806404	21806733	Gmdrm	hypo	CHG	-0.0373
Gm15	21813356	21813571	Gmdrm	hypo	CHG	-0.06
Gm15	21814565	21815384	Gmdrm	hypo	CHG	-0.2555
Gm15	21815488	21816438	Gmdrm	hypo	CHG	-0.422
Gm15	21816816	21817794	Gmdrm	hypo	CHG	-0.1495
Gm15	21817818	21818635	Gmdrm	hypo	CHG	-0.1783

Gm15	21876909	21877211	Gmdrm	hypo	CHG	-0.1412
Gm15	21931659	21931990	Gmdrm	hypo	CHG	-0.4454
Gm15	21932150	21932203	Gmdrm	hypo	CHG	-0.3833
Gm15	21935170	21935525	Gmdrm	hypo	CHG	-0.2978
Gm15	21972081	21972407	Gmdrm	hypo	CHG	-0.0617
Gm15	21976927	21977049	Gmdrm	hypo	CHG	-0.0757
Gm15	22041182	22041465	Gmdrm	hypo	CHG	-0.2442
Gm15	22183118	22183239	Gmdrm	hypo	CHG	-0.565
Gm15	22183384	22183852	Gmdrm	hypo	CHG	-0.1508
Gm15	22248086	22248736	Gmdrm	hypo	CHG	-0.2645
Gm15	22255651	22256015	Gmdrm	hypo	CHG	-0.3862
Gm15	22259080	22259108	Gmdrm	hypo	CHG	-0.88
Gm15	22259263	22259374	Gmdrm	hypo	CHG	-0.7017
Gm15	22335229	22335388	Gmdrm	hypo	CHG	-0.5791
Gm15	22342115	22342143	Gmdrm	hypo	CHG	-0.1667
Gm15	22647910	22648414	Gmdrm	hypo	CHG	-0.3195
Gm15	22717622	22717759	Gmdrm	hypo	CHG	-0.1629
Gm15	22754875	22755624	Gmdrm	hypo	CHG	-0.4625
Gm15	22779745	22780712	Gmdrm	hypo	CHG	-0.1954
Gm15	22789229	22789666	Gmdrm	hypo	CHG	-0.4223
Gm15	22849240	22849384	Gmdrm	hypo	CHG	-0.24
Gm15	22925212	22925260	Gmdrm	hypo	CHG	-0.595
Gm15	23018336	23018993	Gmdrm	hypo	CHG	-0.2773
Gm15	23019140	23020002	Gmdrm	hypo	CHG	-0.549
Gm15	23020249	23021215	Gmdrm	hypo	CHG	-0.2397
Gm15	23041972	23042161	Gmdrm	hypo	CHG	-0.4075
Gm15	23070590	23070663	Gmdrm	hypo	CHG	-0.69
Gm15	23070810	23070950	Gmdrm	hypo	CHG	-0.2933
Gm15	23133513	23133639	Gmdrm	hypo	CHG	-0.4283
Gm15	23133755	23133806	Gmdrm	hypo	CHG	-0.476
Gm15	23145849	23145948	Gmdrm	hypo	CHG	-0.64
Gm15	23147473	23147812	Gmdrm	hypo	CHG	-0.4339
Gm15	23157492	23157610	Gmdrm	hypo	CHG	-0.354
Gm15	23240642	23240880	Gmdrm	hypo	CHG	-0.55
Gm15	23241210	23241353	Gmdrm	hypo	CHG	-0.7775
Gm15	23241511	23241621	Gmdrm	hypo	CHG	-0.5917
Gm15	23265659	23266503	Gmdrm	hypo	CHG	-0.1051
Gm15	23303038	23303163	Gmdrm	hypo	CHG	-0.484
Gm15	23353596	23353871	Gmdrm	hypo	CHG	-0.145
Gm15	23356825	23356972	Gmdrm	hypo	CHG	-0.9183
Gm15	23357249	23357456	Gmdrm	hypo	CHG	-0.796
Gm15	23370038	23370341	Gmdrm	hypo	CHG	-0.0312
Gm15	23372833	23373464	Gmdrm	hypo	CHG	-0.2643
Gm15	23407284	23407560	Gmdrm	hypo	CHG	-0.1888
Gm15	23477392	23477565	Gmdrm	hypo	CHG	-0.5007
Gm15	23479445	23479942	Gmdrm	hypo	CHG	-0.0318

Gm15	23523772	23524095	Gmdrm	hypo	CHG	-0.9337
Gm15	23524205	23524437	Gmdrm	hypo	CHG	-0.86
Gm15	23533737	23533960	Gmdrm	hypo	CHG	-0.5025
Gm15	23540673	23540758	Gmdrm	hypo	CHG	-0.715
Gm15	23541162	23541217	Gmdrm	hypo	CHG	-0.674
Gm15	23544541	23544692	Gmdrm	hypo	CHG	-0.3075
Gm15	23614407	23615292	Gmdrm	hypo	CHG	-0.5668
Gm15	23624046	23624196	Gmdrm	hypo	CHG	-0.045
Gm15	23639254	23639490	Gmdrm	hypo	CHG	-0.7318
Gm15	23641751	23642127	Gmdrm	hypo	CHG	-0.405
Gm15	23642231	23642511	Gmdrm	hypo	CHG	-0.5491
Gm15	23684367	23684403	Gmdrm	hypo	CHG	-0.1867
Gm15	23707430	23707566	Gmdrm	hypo	CHG	-0.06
Gm15	23763046	23763154	Gmdrm	hypo	CHG	-0.1886
Gm15	23789966	23790197	Gmdrm	hypo	CHG	-0.8164
Gm15	23805082	23805251	Gmdrm	hypo	CHG	-0.3566
Gm15	23821461	23821743	Gmdrm	hypo	CHG	-0.3146
Gm15	23822066	23822258	Gmdrm	hypo	CHG	-0.2243
Gm15	23850731	23850856	Gmdrm	hypo	CHG	-0.238
Gm15	23869008	23869240	Gmdrm	hypo	CHG	-0.0657
Gm15	23921345	23921771	Gmdrm	hypo	CHG	-0.2315
Gm15	23948696	23949031	Gmdrm	hypo	CHG	-0.3092
Gm15	23994092	23994685	Gmdrm	hypo	CHG	-0.2307
Gm15	23999892	23999994	Gmdrm	hypo	CHG	-0.044
Gm15	24019160	24019392	Gmdrm	hypo	CHG	-0.2059
Gm15	24021196	24021556	Gmdrm	hypo	CHG	-0.1754
Gm15	24021751	24021830	Gmdrm	hypo	CHG	-0.386
Gm15	24068116	24068308	Gmdrm	hypo	CHG	-0.0289
Gm15	24074387	24074602	Gmdrm	hypo	CHG	-0.213
Gm15	24110595	24110919	Gmdrm	hypo	CHG	-0.2714
Gm15	24123057	24123352	Gmdrm	hypo	CHG	-0.3
Gm15	24149391	24149661	Gmdrm	hypo	CHG	-0.3816
Gm15	24149879	24150234	Gmdrm	hypo	CHG	-0.365
Gm15	24154362	24154569	Gmdrm	hypo	CHG	-0.11
Gm15	24216168	24216518	Gmdrm	hypo	CHG	-0.2744
Gm15	24318753	24319067	Gmdrm	hypo	CHG	-0.3047
Gm15	24321305	24321519	Gmdrm	hypo	CHG	-0.3225
Gm15	24372846	24372897	Gmdrm	hypo	CHG	-0.5983
Gm15	24389000	24389113	Gmdrm	hypo	CHG	-0.5763
Gm15	24414736	24414999	Gmdrm	hypo	CHG	-0.5
Gm15	24457829	24458155	Gmdrm	hypo	CHG	-0.3041
Gm15	24458855	24458927	Gmdrm	hypo	CHG	-0.49
Gm15	24460393	24460655	Gmdrm	hypo	CHG	-0.5442
Gm15	24543386	24544328	Gmdrm	hypo	CHG	-0.4504
Gm15	24613681	24614078	Gmdrm	hypo	CHG	-0.2805
Gm15	24634702	24635027	Gmdrm	hypo	CHG	-0.2285

Gm15	24667313	24667398	Gmdrm	hypo	CHG	-0.1066
Gm15	24783583	24783703	Gmdrm	hypo	CHG	-0.225
Gm15	24864952	24865352	Gmdrm	hypo	CHG	-0.4308
Gm15	24867893	24868007	Gmdrm	hypo	CHG	-0.492
Gm15	24880601	24880717	Gmdrm	hypo	CHG	-0.1614
Gm15	24884564	24885080	Gmdrm	hypo	CHG	-0.429
Gm15	24930384	24930483	Gmdrm	hypo	CHG	-0.248
Gm15	24935248	24935409	Gmdrm	hypo	CHG	-0.7533
Gm15	24935525	24935629	Gmdrm	hypo	CHG	-0.286
Gm15	24935999	24936201	Gmdrm	hypo	CHG	-0.65
Gm15	24976126	24976256	Gmdrm	hypo	CHG	-0.185
Gm15	24991494	24991625	Gmdrm	hypo	CHG	-0.0544
Gm15	24995100	24995166	Gmdrm	hypo	CHG	-0.0367
Gm15	25076343	25076448	Gmdrm	hypo	CHG	-0.4837
Gm15	25077364	25077426	Gmdrm	hypo	CHG	-0.4957
Gm15	25077585	25077771	Gmdrm	hypo	CHG	-0.4889
Gm15	25079252	25079453	Gmdrm	hypo	CHG	-0.1014
Gm15	25079555	25079729	Gmdrm	hypo	CHG	-0.0933
Gm15	25084130	25084423	Gmdrm	hypo	CHG	-0.1512
Gm15	25093031	25093301	Gmdrm	hypo	CHG	-0.2434
Gm15	25267599	25267783	Gmdrm	hypo	CHG	-0.6943
Gm15	25267999	25268137	Gmdrm	hypo	CHG	-0.6616
Gm15	25268242	25268285	Gmdrm	hypo	CHG	-0.665
Gm15	25269537	25269641	Gmdrm	hypo	CHG	-0.3578
Gm15	25288019	25288086	Gmdrm	hypo	CHG	-0.366
Gm15	25291895	25292051	Gmdrm	hypo	CHG	-0.2483
Gm15	25292943	25293222	Gmdrm	hypo	CHG	-0.6975
Gm15	25294887	25295072	Gmdrm	hypo	CHG	-0.2362
Gm15	25296453	25296484	Gmdrm	hypo	CHG	-0.2933
Gm15	25296884	25297067	Gmdrm	hypo	CHG	-0.4011
Gm15	25357651	25358049	Gmdrm	hypo	CHG	-0.5197
Gm15	25365185	25365683	Gmdrm	hypo	CHG	-0.565
Gm15	25385414	25385591	Gmdrm	hypo	CHG	-0.307
Gm15	25421659	25421685	Gmdrm	hypo	CHG	-0.2383
Gm15	25421837	25422228	Gmdrm	hypo	CHG	-0.2973
Gm15	25422495	25422688	Gmdrm	hypo	CHG	-0.646
Gm15	25435043	25435268	Gmdrm	hypo	CHG	-0.3671
Gm15	25435459	25435626	Gmdrm	hypo	CHG	-0.7272
Gm15	25435879	25436123	Gmdrm	hypo	CHG	-0.6824
Gm15	25436401	25436518	Gmdrm	hypo	CHG	-0.3734
Gm15	25462406	25462682	Gmdrm	hypo	CHG	-0.0955
Gm15	25470203	25470262	Gmdrm	hypo	CHG	-0.6316
Gm15	25472588	25472832	Gmdrm	hypo	CHG	-0.0414
Gm15	25496338	25496442	Gmdrm	hypo	CHG	-0.7234
Gm15	25526465	25526605	Gmdrm	hypo	CHG	-0.09
Gm15	25564632	25564861	Gmdrm	hypo	CHG	-0.033

Gm15	25565172	25565409	Gmdrm	hypo	CHG	-0.3884
Gm15	25565655	25565741	Gmdrm	hypo	CHG	-0.43
Gm15	25567669	25567800	Gmdrm	hypo	CHG	-0.2909
Gm15	25568496	25568780	Gmdrm	hypo	CHG	-0.3362
Gm15	25574548	25574612	Gmdrm	hypo	CHG	-0.508
Gm15	25645534	25645611	Gmdrm	hypo	CHG	-0.8671
Gm15	25653027	25653232	Gmdrm	hypo	CHG	-0.4117
Gm15	25658911	25658975	Gmdrm	hypo	CHG	-0.1611
Gm15	25659748	25660702	Gmdrm	hypo	CHG	-0.329
Gm15	25661101	25662067	Gmdrm	hypo	CHG	-0.3061
Gm15	25667026	25667175	Gmdrm	hypo	CHG	-0.2145
Gm15	25967010	25967158	Gmdrm	hypo	CHG	-0.2251
Gm15	26293584	26293625	Gmdrm	hypo	CHG	-0.414
Gm15	26382759	26383167	Gmdrm	hypo	CHG	-0.2017
Gm15	26406876	26407070	Gmdrm	hypo	CHG	-0.28
Gm15	26419736	26420100	Gmdrm	hypo	CHG	-0.35
Gm15	26420220	26420405	Gmdrm	hypo	CHG	-0.5729
Gm15	26421659	26421842	Gmdrm	hypo	CHG	-0.4355
Gm15	26423005	26423161	Gmdrm	hypo	CHG	-0.7478
Gm15	26423486	26423538	Gmdrm	hypo	CHG	-0.6571
Gm15	26423646	26423812	Gmdrm	hypo	CHG	-0.5933
Gm15	26424467	26424597	Gmdrm	hypo	CHG	-0.8246
Gm15	26426812	26426916	Gmdrm	hypo	CHG	-0.232
Gm15	26572152	26572186	Gmdrm	hypo	CHG	-0.4667
Gm15	26729874	26730011	Gmdrm	hypo	CHG	-0.0529
Gm15	26730957	26731192	Gmdrm	hypo	CHG	-0.9093
Gm15	26812493	26812865	Gmdrm	hypo	CHG	-0.35
Gm15	26821385	26821430	Gmdrm	hypo	CHG	-0.635
Gm15	26904067	26904190	Gmdrm	hypo	CHG	-0.16
Gm15	26920500	26920562	Gmdrm	hypo	CHG	-0.4267
Gm15	27026963	27027057	Gmdrm	hypo	CHG	-0.174
Gm15	27373357	27373801	Gmdrm	hypo	CHG	-0.1395
Gm15	27480004	27480193	Gmdrm	hypo	CHG	-0.1347
Gm15	27775084	27775148	Gmdrm	hypo	CHG	-0.6
Gm15	28339762	28339865	Gmdrm	hypo	CHG	-0.584
Gm15	28340458	28340572	Gmdrm	hypo	CHG	-0.43
Gm15	28345208	28345328	Gmdrm	hypo	CHG	-0.4867
Gm15	28359985	28360521	Gmdrm	hypo	CHG	-0.3611
Gm15	28360652	28361082	Gmdrm	hypo	CHG	-0.0328
Gm15	28484102	28484148	Gmdrm	hypo	CHG	-0.062
Gm15	28530228	28530349	Gmdrm	hypo	CHG	-0.1717
Gm15	28544926	28545088	Gmdrm	hypo	CHG	-0.0425
Gm15	28552547	28553546	Gmdrm	hypo	CHG	-0.1108
Gm15	28553558	28553938	Gmdrm	hypo	CHG	-0.1677
Gm15	28557612	28557906	Gmdrm	hypo	CHG	-0.6673
Gm15	28584068	28584126	Gmdrm	hypo	CHG	-0.354

Gm15	28591942	28592074	Gmdrm	hypo	CHG	-0.038
Gm15	28592579	28593561	Gmdrm	hypo	CHG	-0.1303
Gm15	28747804	28748110	Gmdrm	hypo	CHG	-0.2983
Gm15	28750959	28751138	Gmdrm	hypo	CHG	-0.0471
Gm15	28756337	28756585	Gmdrm	hypo	CHG	-0.445
Gm15	28756822	28756946	Gmdrm	hypo	CHG	-0.3725
Gm15	28757538	28757909	Gmdrm	hypo	CHG	-0.6772
Gm15	29430901	29431052	Gmdrm	hypo	CHG	-0.2949
Gm15	29432348	29432417	Gmdrm	hypo	CHG	-0.27
Gm15	29441592	29441681	Gmdrm	hypo	CHG	-0.2686
Gm15	29442120	29442284	Gmdrm	hypo	CHG	-0.6786
Gm15	29445754	29445895	Gmdrm	hypo	CHG	-0.072
Gm15	30296100	30296154	Gmdrm	hypo	CHG	-0.1842
Gm15	30296480	30296615	Gmdrm	hypo	CHG	-0.024
Gm15	30586688	30587006	Gmdrm	hypo	CHG	-0.0443
Gm15	30687114	30687631	Gmdrm	hypo	CHG	-0.2082
Gm15	30712784	30712861	Gmdrm	hypo	CHG	-0.414
Gm15	30718684	30719346	Gmdrm	hypo	CHG	-0.4796
Gm15	30743351	30743517	Gmdrm	hypo	CHG	-0.2369
Gm15	30753730	30754003	Gmdrm	hypo	CHG	-0.3117
Gm15	30755001	30755027	Gmdrm	hypo	CHG	-0.684
Gm15	30763455	30763787	Gmdrm	hypo	CHG	-0.3219
Gm15	30768170	30768339	Gmdrm	hypo	CHG	-0.4034
Gm15	30768600	30768727	Gmdrm	hypo	CHG	-0.2566
Gm15	30808291	30808550	Gmdrm	hypo	CHG	-0.3031
Gm15	30808779	30808916	Gmdrm	hypo	CHG	-0.57
Gm15	30809536	30809683	Gmdrm	hypo	CHG	-0.4278
Gm15	30809803	30809952	Gmdrm	hypo	CHG	-0.413
Gm15	30817838	30818651	Gmdrm	hypo	CHG	-0.19
Gm15	30819338	30819780	Gmdrm	hypo	CHG	-0.2259
Gm15	30819899	30820103	Gmdrm	hypo	CHG	-0.37
Gm15	30820253	30820529	Gmdrm	hypo	CHG	-0.2957
Gm15	30828438	30828760	Gmdrm	hypo	CHG	-0.4011
Gm15	30830959	30831118	Gmdrm	hypo	CHG	-0.4855
Gm15	30838612	30838789	Gmdrm	hypo	CHG	-0.3487
Gm15	30839814	30840202	Gmdrm	hypo	CHG	-0.4254
Gm15	30840338	30840833	Gmdrm	hypo	CHG	-0.2592
Gm15	30841621	30841871	Gmdrm	hypo	CHG	-0.4609
Gm15	30842349	30842751	Gmdrm	hypo	CHG	-0.1617
Gm15	30842876	30843001	Gmdrm	hypo	CHG	-0.2043
Gm15	30844350	30844934	Gmdrm	hypo	CHG	-0.274
Gm15	30846387	30846444	Gmdrm	hypo	CHG	-0.356
Gm15	30876225	30876821	Gmdrm	hypo	CHG	-0.2495
Gm15	30876963	30877083	Gmdrm	hypo	CHG	-0.3075
Gm15	30892290	30892919	Gmdrm	hypo	CHG	-0.4198
Gm15	30935879	30936358	Gmdrm	hypo	CHG	-0.2427

Gm15	30940450	30940864	Gmdrm	hypo	CHG	-0.4489
Gm15	30943249	30943328	Gmdrm	hypo	CHG	-0.538
Gm15	30943449	30943541	Gmdrm	hypo	CHG	-0.318
Gm15	30943718	30944298	Gmdrm	hypo	CHG	-0.5715
Gm15	30944494	30944591	Gmdrm	hypo	CHG	-0.56
Gm15	30946755	30946860	Gmdrm	hypo	CHG	-0.065
Gm15	30947094	30947205	Gmdrm	hypo	CHG	-0.519
Gm15	30947377	30947577	Gmdrm	hypo	CHG	-0.3
Gm15	30955691	30955758	Gmdrm	hypo	CHG	-0.33
Gm15	30956646	30956737	Gmdrm	hypo	CHG	-0.6472
Gm15	30978326	30978527	Gmdrm	hypo	CHG	-0.3318
Gm15	30978816	30979100	Gmdrm	hypo	CHG	-0.4291
Gm15	30979219	30979632	Gmdrm	hypo	CHG	-0.5724
Gm15	30979983	30980372	Gmdrm	hypo	CHG	-0.36
Gm15	30982144	30982380	Gmdrm	hypo	CHG	-0.2333
Gm15	30982558	30982871	Gmdrm	hypo	CHG	-0.3884
Gm15	30983037	30983138	Gmdrm	hypo	CHG	-0.6116
Gm15	30987585	30988455	Gmdrm	hypo	CHG	-0.1952
Gm15	30990657	30990776	Gmdrm	hypo	CHG	-0.1184
Gm15	30991839	30992497	Gmdrm	hypo	CHG	-0.23
Gm15	31003686	31003697	Gmdrm	hypo	CHG	-0.445
Gm15	31045677	31045800	Gmdrm	hypo	CHG	-0.3635
Gm15	31149498	31149535	Gmdrm	hypo	CHG	-0.312
Gm15	31150706	31150877	Gmdrm	hypo	CHG	-0.2615
Gm15	31160897	31161050	Gmdrm	hypo	CHG	-0.31
Gm15	31164551	31164613	Gmdrm	hypo	CHG	-0.736
Gm15	31172930	31173030	Gmdrm	hypo	CHG	-0.576
Gm15	31173997	31174172	Gmdrm	hypo	CHG	-0.7367
Gm15	31178650	31179015	Gmdrm	hypo	CHG	-0.2862
Gm15	31179309	31179506	Gmdrm	hypo	CHG	-0.5267
Gm15	31181335	31181468	Gmdrm	hypo	CHG	-0.4416
Gm15	31218765	31218973	Gmdrm	hypo	CHG	-0.2329
Gm15	31219213	31219270	Gmdrm	hypo	CHG	-0.2867
Gm15	31222001	31222130	Gmdrm	hypo	CHG	-0.247
Gm15	31399699	31399855	Gmdrm	hypo	CHG	-0.255
Gm15	31457469	31457505	Gmdrm	hypo	CHG	-0.24
Gm15	31556913	31557157	Gmdrm	hypo	CHG	-0.3201
Gm15	31592543	31592653	Gmdrm	hypo	CHG	-0.2429
Gm15	31744044	31744581	Gmdrm	hypo	CHG	-0.1293
Gm15	31832026	31832153	Gmdrm	hypo	CHG	-0.4366
Gm15	31834509	31835109	Gmdrm	hypo	CHG	-0.7709
Gm15	31841035	31841158	Gmdrm	hypo	CHG	-0.408
Gm15	31862357	31862841	Gmdrm	hypo	CHG	-0.1367
Gm15	31893565	31893763	Gmdrm	hypo	CHG	-0.44
Gm15	31970669	31970772	Gmdrm	hypo	CHG	-0.76
Gm15	31979733	31979874	Gmdrm	hypo	CHG	-0.6822

Gm15	31980651	31980718	Gmdrm	hypo	CHG	-0.435
Gm15	31980848	31980956	Gmdrm	hypo	CHG	-0.3989
Gm15	31995121	31995309	Gmdrm	hypo	CHG	-0.0366
Gm15	32380223	32380441	Gmdrm	hypo	CHG	-0.2743
Gm15	32387887	32388063	Gmdrm	hypo	CHG	-0.7184
Gm15	32809007	32809203	Gmdrm	hypo	CHG	-0.325
Gm15	32814991	32815311	Gmdrm	hypo	CHG	-0.6009
Gm15	32861974	32862280	Gmdrm	hypo	CHG	-0.1368
Gm15	32895348	32895519	Gmdrm	hypo	CHG	-0.2
Gm15	33008683	33008833	Gmdrm	hypo	CHG	-0.4886
Gm15	33024774	33024845	Gmdrm	hypo	CHG	-0.3057
Gm15	33053599	33053960	Gmdrm	hypo	CHG	-0.045
Gm15	33064674	33064860	Gmdrm	hypo	CHG	-0.6083
Gm15	33079780	33079904	Gmdrm	hypo	CHG	-0.278
Gm15	33141976	33142185	Gmdrm	hypo	CHG	-0.0572
Gm15	33144774	33144853	Gmdrm	hypo	CHG	-0.032
Gm15	33146536	33146702	Gmdrm	hypo	CHG	-0.2234
Gm15	33188603	33188738	Gmdrm	hypo	CHG	-0.3033
Gm15	33188871	33189003	Gmdrm	hypo	CHG	-0.5012
Gm15	33259778	33259827	Gmdrm	hypo	CHG	-0.39
Gm15	33263258	33263484	Gmdrm	hypo	CHG	-0.0425
Gm15	33413410	33413736	Gmdrm	hypo	CHG	-0.3706
Gm15	33430376	33430981	Gmdrm	hypo	CHG	-0.1353
Gm15	33500258	33500606	Gmdrm	hypo	CHG	-0.14
Gm15	33548172	33548240	Gmdrm	hypo	CHG	-0.324
Gm15	33574763	33574927	Gmdrm	hypo	CHG	-0.042
Gm15	33615732	33615839	Gmdrm	hypo	CHG	-0.6363
Gm15	33645023	33645309	Gmdrm	hypo	CHG	-0.0922
Gm15	33711458	33711692	Gmdrm	hypo	CHG	-0.5365
Gm15	33755461	33755724	Gmdrm	hypo	CHG	-0.2086
Gm15	33817452	33817507	Gmdrm	hypo	CHG	-0.132
Gm15	33821015	33821325	Gmdrm	hypo	CHG	-0.2036
Gm15	33821624	33822036	Gmdrm	hypo	CHG	-0.6857
Gm15	33884282	33884524	Gmdrm	hypo	CHG	-0.3455
Gm15	33897631	33897757	Gmdrm	hypo	CHG	-0.2737
Gm15	33899814	33899983	Gmdrm	hypo	CHG	-0.53
Gm15	34023404	34023643	Gmdrm	hypo	CHG	-0.1693
Gm15	34029336	34029426	Gmdrm	hypo	CHG	-0.4489
Gm15	34030754	34030940	Gmdrm	hypo	CHG	-0.4723
Gm15	34038406	34038481	Gmdrm	hypo	CHG	-0.2767
Gm15	34038599	34038874	Gmdrm	hypo	CHG	-0.7477
Gm15	34286553	34286723	Gmdrm	hypo	CHG	-0.5586
Gm15	34286855	34286881	Gmdrm	hypo	CHG	-0.47
Gm15	34287345	34287865	Gmdrm	hypo	CHG	-0.5131
Gm15	34290840	34290909	Gmdrm	hypo	CHG	-0.6616
Gm15	34291029	34292029	Gmdrm	hypo	CHG	-0.3202

Gm15	34292031	34292278	Gmdrm	hypo	CHG	-0.2713
Gm15	34292951	34293403	Gmdrm	hypo	CHG	-0.2989
Gm15	34325608	34325733	Gmdrm	hypo	CHG	-0.3217
Gm15	34326372	34326442	Gmdrm	hypo	CHG	-0.6217
Gm15	34335449	34335553	Gmdrm	hypo	CHG	-0.095
Gm15	34361251	34361464	Gmdrm	hypo	CHG	-0.3875
Gm15	34361987	34362569	Gmdrm	hypo	CHG	-0.0748
Gm15	34371445	34371609	Gmdrm	hypo	CHG	-0.0434
Gm15	34378581	34378843	Gmdrm	hypo	CHG	-0.1256
Gm15	34378992	34379461	Gmdrm	hypo	CHG	-0.106
Gm15	34468794	34469355	Gmdrm	hypo	CHG	-0.28
Gm15	34469584	34470149	Gmdrm	hypo	CHG	-0.225
Gm15	34472004	34472217	Gmdrm	hypo	CHG	-0.4464
Gm15	34475650	34475750	Gmdrm	hypo	CHG	-0.3823
Gm15	34485623	34486037	Gmdrm	hypo	CHG	-0.078
Gm15	34510826	34511186	Gmdrm	hypo	CHG	-0.2269
Gm15	34511526	34511586	Gmdrm	hypo	CHG	-0.364
Gm15	34511991	34512200	Gmdrm	hypo	CHG	-0.3675
Gm15	34512562	34512664	Gmdrm	hypo	CHG	-0.7734
Gm15	34515283	34515477	Gmdrm	hypo	CHG	-0.0414
Gm15	34565977	34566048	Gmdrm	hypo	CHG	-0.466
Gm15	34566590	34566768	Gmdrm	hypo	CHG	-0.058
Gm15	34612783	34613289	Gmdrm	hypo	CHG	-0.1528
Gm15	34621908	34622472	Gmdrm	hypo	CHG	-0.1292
Gm15	34624421	34624881	Gmdrm	hypo	CHG	-0.0285
Gm15	34993061	34993180	Gmdrm	hypo	CHG	-0.45
Gm15	34997988	34998214	Gmdrm	hypo	CHG	-0.0489
Gm15	35001392	35001489	Gmdrm	hypo	CHG	-0.8886
Gm15	35001785	35001953	Gmdrm	hypo	CHG	-0.5245
Gm15	35028413	35028441	Gmdrm	hypo	CHG	-0.3357
Gm15	35109979	35110009	Gmdrm	hypo	CHG	-0.35
Gm15	35204579	35204632	Gmdrm	hypo	CHG	-0.068
Gm15	35365299	35365625	Gmdrm	hypo	CHG	-0.3146
Gm15	35439238	35439497	Gmdrm	hypo	CHG	-0.458
Gm15	35802947	35803276	Gmdrm	hypo	CHG	-0.1849
Gm15	35850977	35851090	Gmdrm	hypo	CHG	-0.1111
Gm15	35899400	35899661	Gmdrm	hypo	CHG	-0.1842
Gm15	35901153	35901298	Gmdrm	hypo	CHG	-0.246
Gm15	36105792	36105921	Gmdrm	hypo	CHG	-0.5262
Gm15	36118839	36119592	Gmdrm	hypo	CHG	-0.08
Gm15	36202351	36202579	Gmdrm	hypo	CHG	-0.6309
Gm15	36203159	36203198	Gmdrm	hypo	CHG	-0.55
Gm15	36203307	36203551	Gmdrm	hypo	CHG	-0.4983
Gm15	36203912	36204304	Gmdrm	hypo	CHG	-0.7889
Gm15	36209063	36209206	Gmdrm	hypo	CHG	-0.4046
Gm15	36209337	36209622	Gmdrm	hypo	CHG	-0.3985

Gm15	36212375	36212435	Gmdrm	hypo	CHG	-0.692
Gm15	36212536	36213095	Gmdrm	hypo	CHG	-0.558
Gm15	36214171	36214352	Gmdrm	hypo	CHG	-0.3233
Gm15	36215406	36215613	Gmdrm	hypo	CHG	-0.6814
Gm15	36215781	36216007	Gmdrm	hypo	CHG	-0.5615
Gm15	36225733	36225941	Gmdrm	hypo	CHG	-0.41
Gm15	36255236	36256149	Gmdrm	hypo	CHG	-0.2828
Gm15	36256284	36256380	Gmdrm	hypo	CHG	-0.4366
Gm15	36260434	36260546	Gmdrm	hypo	CHG	-0.4312
Gm15	36261816	36261905	Gmdrm	hypo	CHG	-0.45
Gm15	36265219	36265284	Gmdrm	hypo	CHG	-0.21
Gm15	36265733	36265939	Gmdrm	hypo	CHG	-0.4308
Gm15	36266623	36266705	Gmdrm	hypo	CHG	-0.624
Gm15	36267206	36267632	Gmdrm	hypo	CHG	-0.4234
Gm15	36268162	36268233	Gmdrm	hypo	CHG	-0.388
Gm15	36288026	36288109	Gmdrm	hypo	CHG	-0.5238
Gm15	36305213	36306016	Gmdrm	hypo	CHG	-0.1802
Gm15	36309137	36309957	Gmdrm	hypo	CHG	-0.2039
Gm15	36310081	36310122	Gmdrm	hypo	CHG	-0.55
Gm15	36310252	36311223	Gmdrm	hypo	CHG	-0.33
Gm15	36368243	36368268	Gmdrm	hypo	CHG	-0.29
Gm15	36465269	36465572	Gmdrm	hypo	CHG	-0.3244
Gm15	36499240	36499601	Gmdrm	hypo	CHG	-0.3192
Gm15	36513940	36514217	Gmdrm	hypo	CHG	-0.2792
Gm15	36523574	36523741	Gmdrm	hypo	CHG	-0.106
Gm15	36530134	36530379	Gmdrm	hypo	CHG	-0.5956
Gm15	36531588	36532168	Gmdrm	hypo	CHG	-0.6289
Gm15	36532367	36532739	Gmdrm	hypo	CHG	-0.4409
Gm15	36533383	36533546	Gmdrm	hypo	CHG	-0.6523
Gm15	36533742	36533945	Gmdrm	hypo	CHG	-0.5522
Gm15	36534781	36535047	Gmdrm	hypo	CHG	-0.34
Gm15	36535882	36536177	Gmdrm	hypo	CHG	-0.4492
Gm15	36536331	36536422	Gmdrm	hypo	CHG	-0.642
Gm15	36536618	36536954	Gmdrm	hypo	CHG	-0.3843
Gm15	36537100	36537322	Gmdrm	hypo	CHG	-0.3691
Gm15	36537436	36537627	Gmdrm	hypo	CHG	-0.5014
Gm15	36537764	36538037	Gmdrm	hypo	CHG	-0.2262
Gm15	36538511	36538859	Gmdrm	hypo	CHG	-0.3776
Gm15	36539218	36539479	Gmdrm	hypo	CHG	-0.2529
Gm15	36540634	36541380	Gmdrm	hypo	CHG	-0.3671
Gm15	36580535	36580744	Gmdrm	hypo	CHG	-0.36
Gm15	36591188	36591714	Gmdrm	hypo	CHG	-0.5027
Gm15	36591847	36592214	Gmdrm	hypo	CHG	-0.5177
Gm15	36592328	36592665	Gmdrm	hypo	CHG	-0.6625
Gm15	36592789	36592992	Gmdrm	hypo	CHG	-0.55
Gm15	36593492	36593723	Gmdrm	hypo	CHG	-0.5707

Gm15	36594040	36594142	Gmdrm	hypo	CHG	-0.6325
Gm15	36594333	36594566	Gmdrm	hypo	CHG	-0.4833
Gm15	36594693	36594839	Gmdrm	hypo	CHG	-0.06
Gm15	36596590	36597295	Gmdrm	hypo	CHG	-0.4007
Gm15	36597509	36597720	Gmdrm	hypo	CHG	-0.2177
Gm15	36597859	36598060	Gmdrm	hypo	CHG	-0.29
Gm15	36795966	36796101	Gmdrm	hypo	CHG	-0.2855
Gm15	36796618	36796905	Gmdrm	hypo	CHG	-0.5017
Gm15	36803943	36804073	Gmdrm	hypo	CHG	-0.901
Gm15	36854992	36855032	Gmdrm	hypo	CHG	-0.072
Gm15	36856372	36856816	Gmdrm	hypo	CHG	-0.2956
Gm15	37236222	37236335	Gmdrm	hypo	CHG	-0.045
Gm15	37257595	37257691	Gmdrm	hypo	CHG	-0.546
Gm15	37509153	37509283	Gmdrm	hypo	CHG	-0.4017
Gm15	37595658	37595778	Gmdrm	hypo	CHG	-0.0817
Gm15	37994735	37995530	Gmdrm	hypo	CHG	-0.2079
Gm15	38002396	38002736	Gmdrm	hypo	CHG	-0.3129
Gm15	38003459	38003563	Gmdrm	hypo	CHG	-0.1316
Gm15	38022880	38022932	Gmdrm	hypo	CHG	-0.8934
Gm15	38023162	38023299	Gmdrm	hypo	CHG	-0.6914
Gm15	38023401	38023583	Gmdrm	hypo	CHG	-0.5688
Gm15	38075400	38075465	Gmdrm	hypo	CHG	-0.3691
Gm15	38076563	38076964	Gmdrm	hypo	CHG	-0.5053
Gm15	38137024	38137304	Gmdrm	hypo	CHG	-0.0755
Gm15	38415784	38415952	Gmdrm	hypo	CHG	-0.127
Gm15	38416429	38416543	Gmdrm	hypo	CHG	-0.43
Gm15	38421599	38421897	Gmdrm	hypo	CHG	-0.6328
Gm15	38422187	38422286	Gmdrm	hypo	CHG	-0.65
Gm15	38714547	38714874	Gmdrm	hypo	CHG	-0.0367
Gm15	38777820	38777890	Gmdrm	hypo	CHG	-0.3184
Gm15	38778485	38778594	Gmdrm	hypo	CHG	-0.3743
Gm15	38797681	38797915	Gmdrm	hypo	CHG	-0.1691
Gm15	38801002	38801434	Gmdrm	hypo	CHG	-0.3845
Gm15	38804141	38804251	Gmdrm	hypo	CHG	-0.31
Gm15	38805777	38805898	Gmdrm	hypo	CHG	-0.302
Gm15	38824004	38824427	Gmdrm	hypo	CHG	-0.3284
Gm15	38829261	38829432	Gmdrm	hypo	CHG	-0.094
Gm15	38832009	38832057	Gmdrm	hypo	CHG	-0.71
Gm15	38957436	38957589	Gmdrm	hypo	CHG	-0.2389
Gm15	38960429	38960558	Gmdrm	hypo	CHG	-0.074
Gm15	38964175	38964382	Gmdrm	hypo	CHG	-0.5344
Gm15	38964615	38964687	Gmdrm	hypo	CHG	-0.15
Gm15	39095543	39095696	Gmdrm	hypo	CHG	-0.4083
Gm15	39101284	39101480	Gmdrm	hypo	CHG	-0.0462
Gm15	39157767	39158070	Gmdrm	hypo	CHG	-0.3372
Gm15	39158211	39158280	Gmdrm	hypo	CHG	-0.6316

Gm15	39168221	39168451	Gmdrm	hypo	CHG	-0.3307
Gm15	39361359	39361672	Gmdrm	hypo	CHG	-0.6818
Gm15	39361797	39361855	Gmdrm	hypo	CHG	-0.8316
Gm15	39362035	39362287	Gmdrm	hypo	CHG	-0.8638
Gm15	39370575	39370701	Gmdrm	hypo	CHG	-0.4014
Gm15	39370815	39371019	Gmdrm	hypo	CHG	-0.5716
Gm15	39387438	39387677	Gmdrm	hypo	CHG	-0.29
Gm15	39403332	39403358	Gmdrm	hypo	CHG	-0.71
Gm15	39434389	39434435	Gmdrm	hypo	CHG	-0.1183
Gm15	39650045	39650832	Gmdrm	hypo	CHG	-0.1837
Gm15	39655199	39656128	Gmdrm	hypo	CHG	-0.1809
Gm15	39656207	39657193	Gmdrm	hypo	CHG	-0.1783
Gm15	39657235	39657930	Gmdrm	hypo	CHG	-0.164
Gm15	39660667	39661030	Gmdrm	hypo	CHG	-0.3115
Gm15	39668117	39668421	Gmdrm	hypo	CHG	-0.2446
Gm15	39670474	39671126	Gmdrm	hypo	CHG	-0.2714
Gm15	39700460	39700777	Gmdrm	hypo	CHG	-0.1177
Gm15	39701598	39702008	Gmdrm	hypo	CHG	-0.1324
Gm15	39706481	39707023	Gmdrm	hypo	CHG	-0.09
Gm15	39710982	39711531	Gmdrm	hypo	CHG	-0.096
Gm15	39722430	39722813	Gmdrm	hypo	CHG	-0.1723
Gm15	39726542	39726773	Gmdrm	hypo	CHG	-0.1466
Gm15	39730152	39730570	Gmdrm	hypo	CHG	-0.1289
Gm15	39730711	39731164	Gmdrm	hypo	CHG	-0.133
Gm15	39747884	39748321	Gmdrm	hypo	CHG	-0.16
Gm15	39765481	39765950	Gmdrm	hypo	CHG	-0.22
Gm15	39800710	39801274	Gmdrm	hypo	CHG	-0.1716
Gm15	39805543	39806509	Gmdrm	hypo	CHG	-0.1382
Gm15	39878165	39879164	Gmdrm	hypo	CHG	-0.1383
Gm15	39893279	39894254	Gmdrm	hypo	CHG	-0.1777
Gm15	39894302	39894488	Gmdrm	hypo	CHG	-0.247
Gm15	39897377	39898113	Gmdrm	hypo	CHG	-0.1538
Gm15	39930980	39931944	Gmdrm	hypo	CHG	-0.1505
Gm15	39932036	39932197	Gmdrm	hypo	CHG	-0.3438
Gm15	40009591	40009690	Gmdrm	hypo	CHG	-0.36
Gm15	40055390	40055887	Gmdrm	hypo	CHG	-0.2432
Gm15	40085639	40085869	Gmdrm	hypo	CHG	-0.179
Gm15	40154757	40155172	Gmdrm	hypo	CHG	-0.1929
Gm15	40176235	40177209	Gmdrm	hypo	CHG	-0.1668
Gm15	40194432	40195266	Gmdrm	hypo	CHG	-0.1071
Gm15	40375120	40375159	Gmdrm	hypo	CHG	-0.4658
Gm15	40426535	40427006	Gmdrm	hypo	CHG	-0.1547
Gm15	40497695	40497899	Gmdrm	hypo	CHG	-0.1464
Gm15	40649047	40649151	Gmdrm	hypo	CHG	-0.2937
Gm15	40649254	40649345	Gmdrm	hypo	CHG	-0.4066
Gm15	40649843	40649902	Gmdrm	hypo	CHG	-0.044

Gm15	40679306	40679465	Gmdrm	hypo	CHG	-0.2282
Gm15	40704892	40705142	Gmdrm	hypo	CHG	-0.4854
Gm15	40740069	40740113	Gmdrm	hypo	CHG	-0.3666
Gm15	40744779	40745490	Gmdrm	hypo	CHG	-0.3268
Gm15	40807249	40807341	Gmdrm	hypo	CHG	-0.7257
Gm15	40807952	40808327	Gmdrm	hypo	CHG	-0.1821
Gm15	40808902	40809029	Gmdrm	hypo	CHG	-0.6338
Gm15	40860180	40860283	Gmdrm	hypo	CHG	-0.7167
Gm15	40864710	40864909	Gmdrm	hypo	CHG	-0.0533
Gm15	40921150	40921582	Gmdrm	hypo	CHG	-0.268
Gm15	40929422	40929632	Gmdrm	hypo	CHG	-0.2918
Gm15	40932003	40932138	Gmdrm	hypo	CHG	-0.04
Gm15	40952262	40952577	Gmdrm	hypo	CHG	-0.5115
Gm15	41100125	41100257	Gmdrm	hypo	CHG	-0.046
Gm15	41100358	41100666	Gmdrm	hypo	CHG	-0.07
Gm15	41102265	41102571	Gmdrm	hypo	CHG	-0.0563
Gm15	41128027	41128286	Gmdrm	hypo	CHG	-0.7116
Gm15	41136206	41136375	Gmdrm	hypo	CHG	-0.4167
Gm15	41143501	41144053	Gmdrm	hypo	CHG	-0.045
Gm15	41183550	41183736	Gmdrm	hypo	CHG	-0.074
Gm15	41260438	41260816	Gmdrm	hypo	CHG	-0.4036
Gm15	41261718	41262005	Gmdrm	hypo	CHG	-0.54
Gm15	41262664	41262714	Gmdrm	hypo	CHG	-0.578
Gm15	41263768	41263845	Gmdrm	hypo	CHG	-0.394
Gm15	41264104	41264208	Gmdrm	hypo	CHG	-0.4112
Gm15	41264320	41264578	Gmdrm	hypo	CHG	-0.092
Gm15	41339787	41340022	Gmdrm	hypo	CHG	-0.47
Gm15	41340130	41340226	Gmdrm	hypo	CHG	-0.6972
Gm15	41355959	41356225	Gmdrm	hypo	CHG	-0.0486
Gm15	41364234	41364490	Gmdrm	hypo	CHG	-0.4438
Gm15	41418110	41418503	Gmdrm	hypo	CHG	-0.308
Gm15	41419154	41419322	Gmdrm	hypo	CHG	-0.245
Gm15	41423944	41424307	Gmdrm	hypo	CHG	-0.35
Gm15	41424881	41424965	Gmdrm	hypo	CHG	-0.38
Gm15	41455048	41455387	Gmdrm	hypo	CHG	-0.2356
Gm15	41519942	41520121	Gmdrm	hypo	CHG	-0.4136
Gm15	41523470	41523702	Gmdrm	hypo	CHG	-0.23
Gm15	41535070	41535165	Gmdrm	hypo	CHG	-0.3254
Gm15	41552308	41552514	Gmdrm	hypo	CHG	-0.36
Gm15	41552619	41552702	Gmdrm	hypo	CHG	-0.3083
Gm15	41552813	41553281	Gmdrm	hypo	CHG	-0.3658
Gm15	41554567	41554633	Gmdrm	hypo	CHG	-0.0588
Gm15	41554865	41555089	Gmdrm	hypo	CHG	-0.6
Gm15	41555284	41555421	Gmdrm	hypo	CHG	-0.5682
Gm15	41555870	41556125	Gmdrm	hypo	CHG	-0.3987
Gm15	41556534	41557089	Gmdrm	hypo	CHG	-0.2137

Gm15	41557695	41557924 Gmdrm	hypo	CHG	-0.2295
Gm15	41567317	41567516 Gmdrm	hypo	CHG	-0.2246
Gm15	41585375	41585498 Gmdrm	hypo	CHG	-0.0463
Gm15	41608425	41608642 Gmdrm	hypo	CHG	-0.749
Gm15	41618729	41619048 Gmdrm	hypo	CHG	-0.0325
Gm15	41719497	41719620 Gmdrm	hypo	CHG	-0.462
Gm15	41723125	41723562 Gmdrm	hypo	CHG	-0.2589
Gm15	41795199	41795231 Gmdrm	hypo	CHG	-0.5088
Gm15	41965165	41965309 Gmdrm	hypo	CHG	-0.9346
Gm15	42105979	42106309 Gmdrm	hypo	CHG	-0.1763
Gm15	42118468	42118681 Gmdrm	hypo	CHG	-0.061
Gm15	42123145	42123391 Gmdrm	hypo	CHG	-0.4082
Gm15	42123640	42123772 Gmdrm	hypo	CHG	-0.512
Gm15	42184950	42185005 Gmdrm	hypo	CHG	-0.4757
Gm15	42185107	42185417 Gmdrm	hypo	CHG	-0.2813
Gm15	42204755	42204793 Gmdrm	hypo	CHG	-0.1415
Gm15	42204902	42205025 Gmdrm	hypo	CHG	-0.2686
Gm15	42205858	42205984 Gmdrm	hypo	CHG	-0.311
Gm15	42206330	42206772 Gmdrm	hypo	CHG	-0.3109
Gm15	42207658	42208318 Gmdrm	hypo	CHG	-0.3325
Gm15	42209575	42209800 Gmdrm	hypo	CHG	-0.1607
Gm15	42209933	42210915 Gmdrm	hypo	CHG	-0.1977
Gm15	42211169	42211208 Gmdrm	hypo	CHG	-0.412
Gm15	42211532	42211746 Gmdrm	hypo	CHG	-0.3282
Gm15	42212504	42212644 Gmdrm	hypo	CHG	-0.3
Gm15	42212975	42213122 Gmdrm	hypo	CHG	-0.286
Gm15	42214110	42214353 Gmdrm	hypo	CHG	-0.2809
Gm15	42215249	42215558 Gmdrm	hypo	CHG	-0.2062
Gm15	42215808	42216217 Gmdrm	hypo	CHG	-0.3036
Gm15	42216438	42216823 Gmdrm	hypo	CHG	-0.389
Gm15	42217609	42218170 Gmdrm	hypo	CHG	-0.027
Gm15	42218955	42219091 Gmdrm	hypo	CHG	-0.1529
Gm15	42219964	42220323 Gmdrm	hypo	CHG	-0.5677
Gm15	42221094	42221556 Gmdrm	hypo	CHG	-0.3324
Gm15	42221859	42221993 Gmdrm	hypo	CHG	-0.2928
Gm15	42222898	42223235 Gmdrm	hypo	CHG	-0.3452
Gm15	42223650	42223689 Gmdrm	hypo	CHG	-0.432
Gm15	42223936	42224186 Gmdrm	hypo	CHG	-0.495
Gm15	42224374	42224665 Gmdrm	hypo	CHG	-0.4654
Gm15	42224781	42225187 Gmdrm	hypo	CHG	-0.2982
Gm15	42272477	42272878 Gmdrm	hypo	CHG	-0.2366
Gm15	42275844	42275954 Gmdrm	hypo	CHG	-0.048
Gm15	42300149	42300229 Gmdrm	hypo	CHG	-0.325
Gm15	42323643	42323741 Gmdrm	hypo	CHG	-0.5587
Gm15	42329239	42329388 Gmdrm	hypo	CHG	-0.6457
Gm15	42416474	42416527 Gmdrm	hypo	CHG	-0.0634

Gm15	42418128	42418291	Gmdrm	hypo	CHG	-0.7129
Gm15	42418772	42418922	Gmdrm	hypo	CHG	-0.162
Gm15	42423244	42423283	Gmdrm	hypo	CHG	-0.1967
Gm15	42440132	42440215	Gmdrm	hypo	CHG	-0.4414
Gm15	42454999	42455251	Gmdrm	hypo	CHG	-0.318
Gm15	42516262	42516563	Gmdrm	hypo	CHG	-0.0487
Gm15	42519396	42519605	Gmdrm	hypo	CHG	-0.0989
Gm15	42521629	42521904	Gmdrm	hypo	CHG	-0.27
Gm15	42538338	42538468	Gmdrm	hypo	CHG	-0.198
Gm15	42541881	42542209	Gmdrm	hypo	CHG	-0.1908
Gm15	42542827	42542991	Gmdrm	hypo	CHG	-0.62
Gm15	42633098	42633688	Gmdrm	hypo	CHG	-0.2731
Gm15	42641246	42641638	Gmdrm	hypo	CHG	-0.2095
Gm15	42641748	42642576	Gmdrm	hypo	CHG	-0.2729
Gm15	42739784	42739939	Gmdrm	hypo	CHG	-0.041
Gm15	42806845	42806942	Gmdrm	hypo	CHG	-0.435
Gm15	42818571	42818681	Gmdrm	hypo	CHG	-0.4325
Gm15	42827354	42827542	Gmdrm	hypo	CHG	-0.468
Gm15	42839537	42839668	Gmdrm	hypo	CHG	-0.3625
Gm15	42860411	42860609	Gmdrm	hypo	CHG	-0.3778
Gm15	42860773	42861282	Gmdrm	hypo	CHG	-0.3975
Gm15	42898404	42898471	Gmdrm	hypo	CHG	-0.6
Gm15	42946246	42946446	Gmdrm	hypo	CHG	-0.5285
Gm15	43052766	43052793	Gmdrm	hypo	CHG	-0.42
Gm15	43053823	43053982	Gmdrm	hypo	CHG	-0.5267
Gm15	43055533	43055704	Gmdrm	hypo	CHG	-0.0633
Gm15	43057274	43057539	Gmdrm	hypo	CHG	-0.61
Gm15	43244887	43245243	Gmdrm	hypo	CHG	-0.2215
Gm15	43246346	43246633	Gmdrm	hypo	CHG	-0.3067
Gm15	43247843	43248087	Gmdrm	hypo	CHG	-0.4716
Gm15	43248194	43248442	Gmdrm	hypo	CHG	-0.3623
Gm15	43248562	43249018	Gmdrm	hypo	CHG	-0.3667
Gm15	43328864	43328946	Gmdrm	hypo	CHG	-0.114
Gm15	43344268	43344548	Gmdrm	hypo	CHG	-0.5874
Gm15	43400890	43400970	Gmdrm	hypo	CHG	-0.155
Gm15	43444832	43445005	Gmdrm	hypo	CHG	-0.0458
Gm15	43566226	43566365	Gmdrm	hypo	CHG	-0.221
Gm15	43706152	43706256	Gmdrm	hypo	CHG	-0.6842
Gm15	43739621	43739753	Gmdrm	hypo	CHG	-0.4971
Gm15	43770777	43770868	Gmdrm	hypo	CHG	-0.2663
Gm15	43781710	43781719	Gmdrm	hypo	CHG	-0.1683
Gm15	43782165	43782405	Gmdrm	hypo	CHG	-0.2593
Gm15	43793883	43794055	Gmdrm	hypo	CHG	-0.777
Gm15	43819517	43819621	Gmdrm	hypo	CHG	-0.6867
Gm15	43819805	43819964	Gmdrm	hypo	CHG	-0.6829
Gm15	43824430	43824621	Gmdrm	hypo	CHG	-0.2046

Gm15	43825807	43826120	Gmdrm	hypo	CHG	-0.5357
Gm15	43837018	43837406	Gmdrm	hypo	CHG	-0.3363
Gm15	43880161	43880416	Gmdrm	hypo	CHG	-0.605
Gm15	43880560	43880967	Gmdrm	hypo	CHG	-0.1911
Gm15	43881309	43881418	Gmdrm	hypo	CHG	-0.9146
Gm15	43882788	43882891	Gmdrm	hypo	CHG	-0.055
Gm15	43883133	43883546	Gmdrm	hypo	CHG	-0.4156
Gm15	43904357	43904476	Gmdrm	hypo	CHG	-0.0433
Gm15	43919568	43919934	Gmdrm	hypo	CHG	-0.4295
Gm15	43921300	43921456	Gmdrm	hypo	CHG	-0.2745
Gm15	43963436	43963512	Gmdrm	hypo	CHG	-0.38
Gm15	43965150	43965517	Gmdrm	hypo	CHG	-0.5227
Gm15	44019803	44020345	Gmdrm	hypo	CHG	-0.1854
Gm15	44021459	44021699	Gmdrm	hypo	CHG	-0.23
Gm15	44021831	44022268	Gmdrm	hypo	CHG	-0.1711
Gm15	44029874	44030002	Gmdrm	hypo	CHG	-0.05
Gm15	44030220	44030450	Gmdrm	hypo	CHG	-0.2428
Gm15	44052383	44052638	Gmdrm	hypo	CHG	-0.0433
Gm15	44075770	44076692	Gmdrm	hypo	CHG	-0.189
Gm15	44076779	44077137	Gmdrm	hypo	CHG	-0.1708
Gm15	44077953	44078168	Gmdrm	hypo	CHG	-0.1508
Gm15	44078307	44078620	Gmdrm	hypo	CHG	-0.0894
Gm15	44081592	44081618	Gmdrm	hypo	CHG	-0.4238
Gm15	44106228	44106475	Gmdrm	hypo	CHG	-0.1287
Gm15	44131913	44132271	Gmdrm	hypo	CHG	-0.267
Gm15	44137706	44137845	Gmdrm	hypo	CHG	-0.1192
Gm15	44139812	44139908	Gmdrm	hypo	CHG	-0.052
Gm15	44141864	44141998	Gmdrm	hypo	CHG	-0.05
Gm15	44144371	44144454	Gmdrm	hypo	CHG	-0.074
Gm15	44236468	44237463	Gmdrm	hypo	CHG	-0.243
Gm15	44244465	44244866	Gmdrm	hypo	CHG	-0.0521
Gm15	44245780	44246215	Gmdrm	hypo	CHG	-0.4272
Gm15	44252115	44252285	Gmdrm	hypo	CHG	-0.52
Gm15	44260246	44260609	Gmdrm	hypo	CHG	-0.2158
Gm15	44265753	44266533	Gmdrm	hypo	CHG	-0.5998
Gm15	44288825	44288999	Gmdrm	hypo	CHG	-0.9021
Gm15	44305270	44305359	Gmdrm	hypo	CHG	-0.4633
Gm15	44355280	44355386	Gmdrm	hypo	CHG	-0.426
Gm15	44355623	44355726	Gmdrm	hypo	CHG	-0.73
Gm15	44363607	44363878	Gmdrm	hypo	CHG	-0.3455
Gm15	44365197	44365958	Gmdrm	hypo	CHG	-0.3969
Gm15	44367434	44368412	Gmdrm	hypo	CHG	-0.1962
Gm15	44389346	44389414	Gmdrm	hypo	CHG	-0.66
Gm15	44392191	44392312	Gmdrm	hypo	CHG	-0.4234
Gm15	44392550	44392708	Gmdrm	hypo	CHG	-0.29
Gm15	44392936	44393008	Gmdrm	hypo	CHG	-0.4913

Gm15	44393162	44393271	Gmdrm	hypo	CHG	-0.4062
Gm15	44411538	44411734	Gmdrm	hypo	CHG	-0.665
Gm15	44434374	44434460	Gmdrm	hypo	CHG	-0.036
Gm15	44437446	44437505	Gmdrm	hypo	CHG	-0.16
Gm15	44444566	44444835	Gmdrm	hypo	CHG	-0.0537
Gm15	44481566	44481604	Gmdrm	hypo	CHG	-0.0786
Gm15	44482619	44482833	Gmdrm	hypo	CHG	-0.0357
Gm15	44490357	44490523	Gmdrm	hypo	CHG	-0.208
Gm15	44491266	44491387	Gmdrm	hypo	CHG	-0.18
Gm15	44497660	44497844	Gmdrm	hypo	CHG	-0.065
Gm15	44501307	44501559	Gmdrm	hypo	CHG	-0.8337
Gm15	44501665	44501939	Gmdrm	hypo	CHG	-0.5817
Gm15	44518387	44518676	Gmdrm	hypo	CHG	-0.2184
Gm15	44538973	44539302	Gmdrm	hypo	CHG	-0.3507
Gm15	44544167	44544331	Gmdrm	hypo	CHG	-0.3791
Gm15	44560443	44560623	Gmdrm	hypo	CHG	-0.7467
Gm15	44566118	44566397	Gmdrm	hypo	CHG	-0.3416
Gm15	44580910	44580932	Gmdrm	hypo	CHG	-0.2717
Gm15	44581544	44581659	Gmdrm	hypo	CHG	-0.662
Gm15	44614550	44615305	Gmdrm	hypo	CHG	-0.133
Gm15	44673215	44673459	Gmdrm	hypo	CHG	-0.0472
Gm15	44680525	44680724	Gmdrm	hypo	CHG	-0.6408
Gm15	44731467	44731650	Gmdrm	hypo	CHG	-0.3634
Gm15	44734746	44734939	Gmdrm	hypo	CHG	-0.3625
Gm15	44762812	44762963	Gmdrm	hypo	CHG	-0.6575
Gm15	44766459	44767150	Gmdrm	hypo	CHG	-0.4738
Gm15	44775997	44776073	Gmdrm	hypo	CHG	-0.5886
Gm15	44776359	44776564	Gmdrm	hypo	CHG	-0.298
Gm15	44788806	44789092	Gmdrm	hypo	CHG	-0.2941
Gm15	44790684	44790888	Gmdrm	hypo	CHG	-0.84
Gm15	44814822	44815131	Gmdrm	hypo	CHG	-0.4846
Gm15	44824965	44825025	Gmdrm	hypo	CHG	-0.596
Gm15	44833643	44833733	Gmdrm	hypo	CHG	-0.5029
Gm15	44837703	44837804	Gmdrm	hypo	CHG	-0.078
Gm15	44853069	44853379	Gmdrm	hypo	CHG	-0.8533
Gm15	44859796	44859954	Gmdrm	hypo	CHG	-0.8377
Gm15	44860855	44861031	Gmdrm	hypo	CHG	-0.8019
Gm15	44878386	44878578	Gmdrm	hypo	CHG	-0.7033
Gm15	44879064	44879317	Gmdrm	hypo	CHG	-0.8085
Gm15	44883021	44883119	Gmdrm	hypo	CHG	-0.388
Gm15	44887348	44887485	Gmdrm	hypo	CHG	-0.3975
Gm15	44887662	44887697	Gmdrm	hypo	CHG	-0.6083
Gm15	44889902	44890467	Gmdrm	hypo	CHG	-0.6298
Gm15	44890635	44890981	Gmdrm	hypo	CHG	-0.1833
Gm15	44917170	44917667	Gmdrm	hypo	CHG	-0.4132
Gm15	44949823	44949948	Gmdrm	hypo	CHG	-0.052

Gm15	44966136	44966387	Gmdrm	hypo	CHG	-0.235
Gm15	44967355	44967448	Gmdrm	hypo	CHG	-0.3
Gm15	44987021	44987166	Gmdrm	hypo	CHG	-0.0416
Gm15	44992428	44992734	Gmdrm	hypo	CHG	-0.3473
Gm15	44992966	44993024	Gmdrm	hypo	CHG	-0.6467
Gm15	45021800	45021833	Gmdrm	hypo	CHG	-0.7433
Gm15	45021942	45022611	Gmdrm	hypo	CHG	-0.6964
Gm15	45023102	45023269	Gmdrm	hypo	CHG	-0.4036
Gm15	45023624	45023764	Gmdrm	hypo	CHG	-0.334
Gm15	45023870	45024334	Gmdrm	hypo	CHG	-0.3
Gm15	45025428	45025454	Gmdrm	hypo	CHG	-0.5033
Gm15	45025585	45026030	Gmdrm	hypo	CHG	-0.4869
Gm15	45026259	45026939	Gmdrm	hypo	CHG	-0.7138
Gm15	45027101	45027332	Gmdrm	hypo	CHG	-0.5339
Gm15	45028222	45028688	Gmdrm	hypo	CHG	-0.6678
Gm15	45049212	45049416	Gmdrm	hypo	CHG	-0.5292
Gm15	45049531	45049831	Gmdrm	hypo	CHG	-0.4763
Gm15	45054709	45055111	Gmdrm	hypo	CHG	-0.568
Gm15	45075679	45075881	Gmdrm	hypo	CHG	-0.5771
Gm15	45174934	45175047	Gmdrm	hypo	CHG	-0.644
Gm15	45175967	45176268	Gmdrm	hypo	CHG	-0.6708
Gm15	45177120	45177280	Gmdrm	hypo	CHG	-0.778
Gm15	45182413	45182532	Gmdrm	hypo	CHG	-0.8386
Gm15	45187638	45187953	Gmdrm	hypo	CHG	-0.2669
Gm15	45212071	45212339	Gmdrm	hypo	CHG	-0.6365
Gm15	45215758	45215974	Gmdrm	hypo	CHG	-0.2707
Gm15	45252802	45252989	Gmdrm	hypo	CHG	-0.3849
Gm15	45308205	45308822	Gmdrm	hypo	CHG	-0.198
Gm15	45308941	45309654	Gmdrm	hypo	CHG	-0.303
Gm15	45309788	45310039	Gmdrm	hypo	CHG	-0.4143
Gm15	45310361	45311179	Gmdrm	hypo	CHG	-0.1655
Gm15	45311438	45311746	Gmdrm	hypo	CHG	-0.0691
Gm15	45317737	45318718	Gmdrm	hypo	CHG	-0.4954
Gm15	45318748	45318911	Gmdrm	hypo	CHG	-0.5685
Gm15	45319022	45319093	Gmdrm	hypo	CHG	-0.4866
Gm15	45319922	45320103	Gmdrm	hypo	CHG	-0.3514
Gm15	45329066	45329209	Gmdrm	hypo	CHG	-0.5583
Gm15	45329411	45330332	Gmdrm	hypo	CHG	-0.0662
Gm15	45358115	45358324	Gmdrm	hypo	CHG	-0.0376
Gm15	45377581	45378052	Gmdrm	hypo	CHG	-0.4035
Gm15	45397451	45397714	Gmdrm	hypo	CHG	-0.7811
Gm15	45397914	45398304	Gmdrm	hypo	CHG	-0.7591
Gm15	45406078	45406109	Gmdrm	hypo	CHG	-0.42
Gm15	45406342	45406614	Gmdrm	hypo	CHG	-0.8184
Gm15	45406758	45406877	Gmdrm	hypo	CHG	-0.7228
Gm15	45423898	45424437	Gmdrm	hypo	CHG	-0.156

Gm15	45425942	45426356	Gmdrm	hypo	CHG	-0.4924
Gm15	45461944	45462074	Gmdrm	hypo	CHG	-0.5813
Gm15	45506294	45506386	Gmdrm	hypo	CHG	-0.325
Gm15	45516573	45516660	Gmdrm	hypo	CHG	-0.0417
Gm15	45517380	45517596	Gmdrm	hypo	CHG	-0.372
Gm15	45553703	45553997	Gmdrm	hypo	CHG	-0.251
Gm15	45571625	45571778	Gmdrm	hypo	CHG	-0.478
Gm15	45600404	45600498	Gmdrm	hypo	CHG	-0.17
Gm15	45621152	45621557	Gmdrm	hypo	CHG	-0.5489
Gm15	45654434	45655107	Gmdrm	hypo	CHG	-0.731
Gm15	45655462	45655861	Gmdrm	hypo	CHG	-0.2142
Gm15	45656132	45656279	Gmdrm	hypo	CHG	-0.588
Gm15	45656421	45656537	Gmdrm	hypo	CHG	-0.4313
Gm15	45656718	45656916	Gmdrm	hypo	CHG	-0.3393
Gm15	45663148	45663883	Gmdrm	hypo	CHG	-0.3192
Gm15	45698941	45699885	Gmdrm	hypo	CHG	-0.3306
Gm15	45701621	45701742	Gmdrm	hypo	CHG	-0.0417
Gm15	45701903	45702875	Gmdrm	hypo	CHG	-0.0664
Gm15	45703322	45703584	Gmdrm	hypo	CHG	-0.2522
Gm15	45703713	45704708	Gmdrm	hypo	CHG	-0.356
Gm15	45705857	45706605	Gmdrm	hypo	CHG	-0.0445
Gm15	45750315	45750451	Gmdrm	hypo	CHG	-0.0543
Gm15	45773214	45773708	Gmdrm	hypo	CHG	-0.122
Gm15	45773930	45774392	Gmdrm	hypo	CHG	-0.4806
Gm15	45784685	45784700	Gmdrm	hypo	CHG	-0.1033
Gm15	45837691	45837825	Gmdrm	hypo	CHG	-0.2133
Gm15	45838680	45838847	Gmdrm	hypo	CHG	-0.6322
Gm15	45855503	45855606	Gmdrm	hypo	CHG	-0.166
Gm15	45861995	45862352	Gmdrm	hypo	CHG	-0.3528
Gm15	45862617	45863046	Gmdrm	hypo	CHG	-0.2846
Gm15	45863374	45863650	Gmdrm	hypo	CHG	-0.0953
Gm15	45863794	45863875	Gmdrm	hypo	CHG	-0.2224
Gm15	45865996	45866075	Gmdrm	hypo	CHG	-0.4125
Gm15	45867628	45867843	Gmdrm	hypo	CHG	-0.0715
Gm15	45868467	45869422	Gmdrm	hypo	CHG	-0.2083
Gm15	45869588	45869788	Gmdrm	hypo	CHG	-0.2537
Gm15	45869902	45869953	Gmdrm	hypo	CHG	-0.3634
Gm15	45872993	45873225	Gmdrm	hypo	CHG	-0.2318
Gm15	45873999	45874026	Gmdrm	hypo	CHG	-0.1817
Gm15	45893068	45893237	Gmdrm	hypo	CHG	-0.1242
Gm15	45893498	45893748	Gmdrm	hypo	CHG	-0.16
Gm15	45902805	45902820	Gmdrm	hypo	CHG	-0.16
Gm15	45903367	45903733	Gmdrm	hypo	CHG	-0.229
Gm15	45904681	45904847	Gmdrm	hypo	CHG	-0.1663
Gm15	45909217	45909593	Gmdrm	hypo	CHG	-0.2818
Gm15	45913523	45913676	Gmdrm	hypo	CHG	-0.1283

Gm15	45913785	45913800	Gmdrm	hypo	CHG	-0.2833
Gm15	45913922	45914178	Gmdrm	hypo	CHG	-0.1959
Gm15	45914349	45915332	Gmdrm	hypo	CHG	-0.1338
Gm15	45916074	45916404	Gmdrm	hypo	CHG	-0.2322
Gm15	45916675	45917106	Gmdrm	hypo	CHG	-0.1607
Gm15	45917240	45917331	Gmdrm	hypo	CHG	-0.2899
Gm15	45917940	45918005	Gmdrm	hypo	CHG	-0.3343
Gm15	45919647	45919684	Gmdrm	hypo	CHG	-0.2783
Gm15	45920117	45920261	Gmdrm	hypo	CHG	-0.072
Gm15	45920375	45920855	Gmdrm	hypo	CHG	-0.2343
Gm15	45920980	45921276	Gmdrm	hypo	CHG	-0.0192
Gm15	45932972	45933203	Gmdrm	hypo	CHG	-0.2257
Gm15	45933354	45933535	Gmdrm	hypo	CHG	-0.2478
Gm15	45936203	45937193	Gmdrm	hypo	CHG	-0.2153
Gm15	45937218	45937503	Gmdrm	hypo	CHG	-0.368
Gm15	45937614	45938052	Gmdrm	hypo	CHG	-0.1413
Gm15	45938473	45938566	Gmdrm	hypo	CHG	-0.145
Gm15	45945149	45945541	Gmdrm	hypo	CHG	-0.229
Gm15	45945656	45945736	Gmdrm	hypo	CHG	-0.2925
Gm15	45945871	45946447	Gmdrm	hypo	CHG	-0.1533
Gm15	45949006	45949484	Gmdrm	hypo	CHG	-0.251
Gm15	45950187	45951183	Gmdrm	hypo	CHG	-0.2396
Gm15	45951245	45951552	Gmdrm	hypo	CHG	-0.3097
Gm15	45952071	45952412	Gmdrm	hypo	CHG	-0.19
Gm15	45952576	45953528	Gmdrm	hypo	CHG	-0.1877
Gm15	45958783	45959142	Gmdrm	hypo	CHG	-0.025
Gm15	45959260	45959522	Gmdrm	hypo	CHG	-0.08
Gm15	45959661	45960323	Gmdrm	hypo	CHG	-0.3291
Gm15	45960770	45961579	Gmdrm	hypo	CHG	-0.1946
Gm15	45964506	45964734	Gmdrm	hypo	CHG	-0.082
Gm15	45971965	45972357	Gmdrm	hypo	CHG	-0.2145
Gm15	45973471	45973560	Gmdrm	hypo	CHG	-0.18
Gm15	45974169	45974234	Gmdrm	hypo	CHG	-0.2267
Gm15	45975501	45975595	Gmdrm	hypo	CHG	-0.278
Gm15	45976906	45977895	Gmdrm	hypo	CHG	-0.3425
Gm15	45977926	45978925	Gmdrm	hypo	CHG	-0.3774
Gm15	45978927	45979072	Gmdrm	hypo	CHG	-0.1721
Gm15	45979183	45979683	Gmdrm	hypo	CHG	-0.1103
Gm15	45979847	45980843	Gmdrm	hypo	CHG	-0.06
Gm15	45980858	45981847	Gmdrm	hypo	CHG	-0.1176
Gm15	45981929	45982088	Gmdrm	hypo	CHG	-0.3743
Gm15	45982877	45983114	Gmdrm	hypo	CHG	-0.0962
Gm15	45983247	45983330	Gmdrm	hypo	CHG	-0.0716
Gm15	45983441	45983732	Gmdrm	hypo	CHG	-0.1482
Gm15	45988628	45988888	Gmdrm	hypo	CHG	-0.2394
Gm15	45990371	45991354	Gmdrm	hypo	CHG	-0.2541

Gm15	45991596	45992595	Gmdrm	hypo	CHG	-0.2877
Gm15	45992658	45993196	Gmdrm	hypo	CHG	-0.292
Gm15	45993317	45993878	Gmdrm	hypo	CHG	-0.2344
Gm15	45993989	45994491	Gmdrm	hypo	CHG	-0.1508
Gm15	45994655	45995654	Gmdrm	hypo	CHG	-0.1017
Gm15	45995656	45996450	Gmdrm	hypo	CHG	-0.2358
Gm15	45997165	45997514	Gmdrm	hypo	CHG	-0.1733
Gm15	45997792	45998066	Gmdrm	hypo	CHG	-0.1537
Gm15	46005937	46006090	Gmdrm	hypo	CHG	-0.1214
Gm15	46006203	46006218	Gmdrm	hypo	CHG	-0.2117
Gm15	46006766	46007156	Gmdrm	hypo	CHG	-0.2512
Gm15	46007477	46007899	Gmdrm	hypo	CHG	-0.18
Gm15	46008970	46009035	Gmdrm	hypo	CHG	-0.3384
Gm15	46011618	46011867	Gmdrm	hypo	CHG	-0.3344
Gm15	46011972	46012965	Gmdrm	hypo	CHG	-0.3903
Gm15	46013020	46013169	Gmdrm	hypo	CHG	-0.356
Gm15	46013278	46013421	Gmdrm	hypo	CHG	-0.2453
Gm15	46013534	46013811	Gmdrm	hypo	CHG	-0.1435
Gm15	46014358	46015318	Gmdrm	hypo	CHG	-0.0944
Gm15	46015399	46015550	Gmdrm	hypo	CHG	-0.1622
Gm15	46017781	46018120	Gmdrm	hypo	CHG	-0.1889
Gm15	46018781	46019592	Gmdrm	hypo	CHG	-0.1384
Gm15	46019862	46020652	Gmdrm	hypo	CHG	-0.2018
Gm15	46021132	46021816	Gmdrm	hypo	CHG	-0.2935
Gm15	46021996	46022766	Gmdrm	hypo	CHG	-0.4132
Gm15	46022991	46023984	Gmdrm	hypo	CHG	-0.2643
Gm15	46024018	46024952	Gmdrm	hypo	CHG	-0.2956
Gm15	46028277	46028352	Gmdrm	hypo	CHG	-0.215
Gm15	46037146	46038092	Gmdrm	hypo	CHG	-0.3561
Gm15	46038205	46038400	Gmdrm	hypo	CHG	-0.543
Gm15	46038820	46039466	Gmdrm	hypo	CHG	-0.175
Gm15	46041029	46041761	Gmdrm	hypo	CHG	-0.0907
Gm15	46041871	46042038	Gmdrm	hypo	CHG	-0.1012
Gm15	46042195	46042385	Gmdrm	hypo	CHG	-0.0775
Gm15	46042518	46042685	Gmdrm	hypo	CHG	-0.108
Gm15	46046534	46046596	Gmdrm	hypo	CHG	-0.126
Gm15	46046703	46047382	Gmdrm	hypo	CHG	-0.21
Gm15	46049561	46050518	Gmdrm	hypo	CHG	-0.1381
Gm15	46050581	46051562	Gmdrm	hypo	CHG	-0.379
Gm15	46051611	46052428	Gmdrm	hypo	CHG	-0.15
Gm15	46053098	46054080	Gmdrm	hypo	CHG	-0.1797
Gm15	46054168	46054335	Gmdrm	hypo	CHG	-0.226
Gm15	46055533	46055880	Gmdrm	hypo	CHG	-0.2205
Gm15	46056338	46056499	Gmdrm	hypo	CHG	-0.2063
Gm15	46058071	46058164	Gmdrm	hypo	CHG	-0.1316
Gm15	46063684	46063843	Gmdrm	hypo	CHG	-0.1408

Gm15	46063957	46063972	Gmdrm	hypo	CHG	-0.1284
Gm15	46064545	46064912	Gmdrm	hypo	CHG	-0.1966
Gm15	46065240	46065729	Gmdrm	hypo	CHG	-0.1244
Gm15	46066226	46066424	Gmdrm	hypo	CHG	-0.21
Gm15	47404304	47404910	Gmdrm	hypo	CHG	-0.2906
Gm15	47406291	47406588	Gmdrm	hypo	CHG	-0.1274
Gm15	47407305	47407590	Gmdrm	hypo	CHG	-0.06
Gm15	47408809	47409131	Gmdrm	hypo	CHG	-0.0708
Gm15	47409265	47409424	Gmdrm	hypo	CHG	-0.16
Gm15	47410531	47410721	Gmdrm	hypo	CHG	-0.057
Gm15	47410854	47411048	Gmdrm	hypo	CHG	-0.1237
Gm15	47412836	47412992	Gmdrm	hypo	CHG	-0.0812
Gm15	47413125	47413319	Gmdrm	hypo	CHG	-0.1287
Gm15	47415630	47415781	Gmdrm	hypo	CHG	-0.1738
Gm15	47420943	47421110	Gmdrm	hypo	CHG	-0.1417
Gm15	47439668	47440668	Gmdrm	hypo	CHG	-0.2016
Gm15	47441651	47442083	Gmdrm	hypo	CHG	-0.25
Gm15	47444840	47445028	Gmdrm	hypo	CHG	-0.078
Gm15	47445810	47445977	Gmdrm	hypo	CHG	-0.0512
Gm15	47448894	47449216	Gmdrm	hypo	CHG	-0.191
Gm15	47451875	47452026	Gmdrm	hypo	CHG	-0.1838
Gm15	47452907	47453644	Gmdrm	hypo	CHG	-0.1564
Gm15	47453748	47453967	Gmdrm	hypo	CHG	-0.2072
Gm15	47464141	47464658	Gmdrm	hypo	CHG	-0.1223
Gm15	47496097	47496238	Gmdrm	hypo	CHG	-0.0633
Gm15	47502432	47502547	Gmdrm	hypo	CHG	-0.63
Gm15	47504272	47504612	Gmdrm	hypo	CHG	-0.1977
Gm15	47505795	47505956	Gmdrm	hypo	CHG	-0.61
Gm15	47521554	47521632	Gmdrm	hypo	CHG	-0.11
Gm15	47521804	47521933	Gmdrm	hypo	CHG	-0.83
Gm15	47530328	47530342	Gmdrm	hypo	CHG	-0.632
Gm15	47537083	47537118	Gmdrm	hypo	CHG	-0.6433
Gm15	47537261	47537448	Gmdrm	hypo	CHG	-0.4371
Gm15	47537557	47537927	Gmdrm	hypo	CHG	-0.0975
Gm15	47544926	47544963	Gmdrm	hypo	CHG	-0.5586
Gm15	47545066	47545240	Gmdrm	hypo	CHG	-0.44
Gm15	47568282	47568745	Gmdrm	hypo	CHG	-0.1812
Gm15	47617754	47618038	Gmdrm	hypo	CHG	-0.5555
Gm15	47618162	47618386	Gmdrm	hypo	CHG	-0.145
Gm15	47620642	47620700	Gmdrm	hypo	CHG	-0.698
Gm15	47622981	47623150	Gmdrm	hypo	CHG	-0.03
Gm15	47637166	47637525	Gmdrm	hypo	CHG	-0.3394
Gm15	47641294	47641437	Gmdrm	hypo	CHG	-0.2256
Gm15	47653322	47653426	Gmdrm	hypo	CHG	-0.5609
Gm15	47660730	47660831	Gmdrm	hypo	CHG	-0.6183
Gm15	47661189	47661417	Gmdrm	hypo	CHG	-0.6477

Gm15	47661519	47661770	Gmdrm	hypo	CHG	-0.5487
Gm15	47662241	47662725	Gmdrm	hypo	CHG	-0.1449
Gm15	47672021	47672418	Gmdrm	hypo	CHG	-0.2542
Gm15	47672761	47673175	Gmdrm	hypo	CHG	-0.2956
Gm15	47677691	47677998	Gmdrm	hypo	CHG	-0.1869
Gm15	47683990	47684393	Gmdrm	hypo	CHG	-0.1516
Gm15	47687079	47687840	Gmdrm	hypo	CHG	-0.6196
Gm15	47689992	47690185	Gmdrm	hypo	CHG	-0.3771
Gm15	47690582	47691010	Gmdrm	hypo	CHG	-0.2225
Gm15	47691115	47691283	Gmdrm	hypo	CHG	-0.25
Gm15	47692975	47693050	Gmdrm	hypo	CHG	-0.5411
Gm15	47697511	47697835	Gmdrm	hypo	CHG	-0.322
Gm15	47699554	47699661	Gmdrm	hypo	CHG	-0.5611
Gm15	47701971	47702003	Gmdrm	hypo	CHG	-0.38
Gm15	47703447	47703641	Gmdrm	hypo	CHG	-0.4228
Gm15	47716347	47716407	Gmdrm	hypo	CHG	-0.0457
Gm15	47719059	47719101	Gmdrm	hypo	CHG	-0.7184
Gm15	47724481	47724680	Gmdrm	hypo	CHG	-0.2388
Gm15	47741754	47741913	Gmdrm	hypo	CHG	-0.395
Gm15	47750265	47750346	Gmdrm	hypo	CHG	-0.4801
Gm15	47754564	47754877	Gmdrm	hypo	CHG	-0.3585
Gm15	47861766	47862105	Gmdrm	hypo	CHG	-0.1337
Gm15	47864658	47864733	Gmdrm	hypo	CHG	-0.5272
Gm15	47873510	47873563	Gmdrm	hypo	CHG	-0.085
Gm15	47878008	47878164	Gmdrm	hypo	CHG	-0.198
Gm15	47879920	47880030	Gmdrm	hypo	CHG	-0.082
Gm15	47881771	47882065	Gmdrm	hypo	CHG	-0.4773
Gm15	47882645	47882708	Gmdrm	hypo	CHG	-0.322
Gm15	47920468	47920821	Gmdrm	hypo	CHG	-0.3053
Gm15	47920957	47921380	Gmdrm	hypo	CHG	-0.4062
Gm15	47921507	47922072	Gmdrm	hypo	CHG	-0.3354
Gm15	47922384	47922665	Gmdrm	hypo	CHG	-0.2018
Gm15	47925301	47925564	Gmdrm	hypo	CHG	-0.2845
Gm15	47930218	47930346	Gmdrm	hypo	CHG	-0.3333
Gm15	47931267	47931413	Gmdrm	hypo	CHG	-0.2957
Gm15	47932108	47932761	Gmdrm	hypo	CHG	-0.3022
Gm15	47933010	47933100	Gmdrm	hypo	CHG	-0.0966
Gm15	47934293	47934467	Gmdrm	hypo	CHG	-0.1033
Gm15	47935564	47935742	Gmdrm	hypo	CHG	-0.334
Gm15	47938544	47938783	Gmdrm	hypo	CHG	-0.3446
Gm15	47939416	47939479	Gmdrm	hypo	CHG	-0.09
Gm15	47940398	47940763	Gmdrm	hypo	CHG	-0.1931
Gm15	47942049	47942174	Gmdrm	hypo	CHG	-0.1466
Gm15	47945187	47945367	Gmdrm	hypo	CHG	-0.25
Gm15	47945535	47945978	Gmdrm	hypo	CHG	-0.31
Gm15	47955118	47955272	Gmdrm	hypo	CHG	-0.1767

Gm15	47961311	47961752	Gmdrm	hypo	CHG	-0.364
Gm15	47961879	47962137	Gmdrm	hypo	CHG	-0.3274
Gm15	47962966	47963148	Gmdrm	hypo	CHG	-0.2477
Gm15	47964875	47965141	Gmdrm	hypo	CHG	-0.2318
Gm15	47968829	47968975	Gmdrm	hypo	CHG	-0.4017
Gm15	47969670	47969770	Gmdrm	hypo	CHG	-0.4334
Gm15	47971223	47971858	Gmdrm	hypo	CHG	-0.2063
Gm15	47978106	47978281	Gmdrm	hypo	CHG	-0.2428
Gm15	47981668	47981712	Gmdrm	hypo	CHG	-0.3067
Gm15	47981865	47982104	Gmdrm	hypo	CHG	-0.3646
Gm15	47993164	47993340	Gmdrm	hypo	CHG	-0.296
Gm15	47994184	47994514	Gmdrm	hypo	CHG	-0.4108
Gm15	47994925	47994999	Gmdrm	hypo	CHG	-0.2528
Gm15	47999959	48000087	Gmdrm	hypo	CHG	-0.2938
Gm15	48000877	48001268	Gmdrm	hypo	CHG	-0.2767
Gm15	48005674	48005764	Gmdrm	hypo	CHG	-0.3164
Gm15	48006004	48006270	Gmdrm	hypo	CHG	-0.325
Gm15	48007704	48007800	Gmdrm	hypo	CHG	-0.2283
Gm15	48019914	48020047	Gmdrm	hypo	CHG	-0.316
Gm15	48020660	48021026	Gmdrm	hypo	CHG	-0.2725
Gm15	48022576	48023150	Gmdrm	hypo	CHG	-0.2291
Gm15	48026655	48026783	Gmdrm	hypo	CHG	-0.16
Gm15	48027082	48027348	Gmdrm	hypo	CHG	-0.2308
Gm15	48040537	48040637	Gmdrm	hypo	CHG	-0.19
Gm15	48045453	48045497	Gmdrm	hypo	CHG	-0.1417
Gm15	48046251	48046547	Gmdrm	hypo	CHG	-0.186
Gm15	48054697	48054879	Gmdrm	hypo	CHG	-0.2362
Gm15	48055220	48055360	Gmdrm	hypo	CHG	-0.29
Gm15	48055723	48055887	Gmdrm	hypo	CHG	-0.2792
Gm15	48056623	48056744	Gmdrm	hypo	CHG	-0.1411
Gm15	48057148	48057319	Gmdrm	hypo	CHG	-0.291
Gm15	48057556	48057828	Gmdrm	hypo	CHG	-0.2527
Gm15	48058230	48058458	Gmdrm	hypo	CHG	-0.1727
Gm15	48059261	48059357	Gmdrm	hypo	CHG	-0.1
Gm15	48074998	48075202	Gmdrm	hypo	CHG	-0.2967
Gm15	48077563	48078069	Gmdrm	hypo	CHG	-0.318
Gm15	48089680	48089851	Gmdrm	hypo	CHG	-0.328
Gm15	48090007	48090332	Gmdrm	hypo	CHG	-0.302
Gm15	48090750	48090978	Gmdrm	hypo	CHG	-0.36
Gm15	48091781	48091881	Gmdrm	hypo	CHG	-0.3
Gm15	48110227	48110383	Gmdrm	hypo	CHG	-0.2828
Gm15	48119784	48120124	Gmdrm	hypo	CHG	-0.2727
Gm15	48121557	48121720	Gmdrm	hypo	CHG	-0.3525
Gm15	48128760	48128840	Gmdrm	hypo	CHG	-0.167
Gm15	48211626	48211721	Gmdrm	hypo	CHG	-0.2067
Gm15	48216501	48216545	Gmdrm	hypo	CHG	-0.615

Gm15	48216748	48217046	Gmdrm	hypo	CHG	-0.2292
Gm15	48229165	48230138	Gmdrm	hypo	CHG	-0.381
Gm15	48231430	48231649	Gmdrm	hypo	CHG	-0.256
Gm15	48313021	48313363	Gmdrm	hypo	CHG	-0.1892
Gm15	48395649	48395840	Gmdrm	hypo	CHG	-0.0443
Gm15	48396078	48396190	Gmdrm	hypo	CHG	-0.41
Gm15	48396465	48396836	Gmdrm	hypo	CHG	-0.31
Gm15	48410710	48410837	Gmdrm	hypo	CHG	-0.408
Gm15	48436684	48436938	Gmdrm	hypo	CHG	-0.58
Gm15	48437251	48437446	Gmdrm	hypo	CHG	-0.1483
Gm15	48447858	48447977	Gmdrm	hypo	CHG	-0.5733
Gm15	48448547	48448676	Gmdrm	hypo	CHG	-0.895
Gm15	48451682	48451773	Gmdrm	hypo	CHG	-0.5184
Gm15	48452265	48452318	Gmdrm	hypo	CHG	-0.0814
Gm15	48509617	48510164	Gmdrm	hypo	CHG	-0.0596
Gm15	48528947	48529254	Gmdrm	hypo	CHG	-0.4818
Gm15	48562959	48563102	Gmdrm	hypo	CHG	-0.076
Gm15	48566036	48566384	Gmdrm	hypo	CHG	-0.1859
Gm15	48576305	48576359	Gmdrm	hypo	CHG	-0.1617
Gm15	48640889	48641139	Gmdrm	hypo	CHG	-0.3685
Gm15	48641244	48641389	Gmdrm	hypo	CHG	-0.3475
Gm15	48684033	48684269	Gmdrm	hypo	CHG	-0.076
Gm15	48789598	48790311	Gmdrm	hypo	CHG	-0.2145
Gm15	48790875	48791001	Gmdrm	hypo	CHG	-0.294
Gm15	48802795	48803071	Gmdrm	hypo	CHG	-0.3119
Gm15	48814784	48815004	Gmdrm	hypo	CHG	-0.0529
Gm15	48860411	48861053	Gmdrm	hypo	CHG	-0.077
Gm15	48873410	48873451	Gmdrm	hypo	CHG	-0.08
Gm15	48873951	48874090	Gmdrm	hypo	CHG	-0.7383
Gm15	48880170	48880939	Gmdrm	hypo	CHG	-0.2185
Gm15	48882228	48882519	Gmdrm	hypo	CHG	-0.0433
Gm15	48896218	48896879	Gmdrm	hypo	CHG	-0.5216
Gm15	48919341	48919434	Gmdrm	hypo	CHG	-0.1117
Gm15	48926171	48926212	Gmdrm	hypo	CHG	-0.5
Gm15	48933488	48933895	Gmdrm	hypo	CHG	-0.4543
Gm15	48934082	48934166	Gmdrm	hypo	CHG	-0.6486
Gm15	48935377	48935875	Gmdrm	hypo	CHG	-0.4976
Gm15	48935996	48936157	Gmdrm	hypo	CHG	-0.5957
Gm15	48966465	48966619	Gmdrm	hypo	CHG	-0.1288
Gm15	48968562	48968752	Gmdrm	hypo	CHG	-0.0467
Gm15	48976348	48976484	Gmdrm	hypo	CHG	-0.9187
Gm15	48988488	48988565	Gmdrm	hypo	CHG	-0.3186
Gm15	49073444	49073541	Gmdrm	hypo	CHG	-0.52
Gm15	49073675	49074069	Gmdrm	hypo	CHG	-0.4231
Gm15	49094895	49095084	Gmdrm	hypo	CHG	-0.534
Gm15	49159459	49160093	Gmdrm	hypo	CHG	-0.1481

Gm15	49170148	49170192	Gmdrm	hypo	CHG	-0.892
Gm15	49171011	49171134	Gmdrm	hypo	CHG	-0.7262
Gm15	49171564	49171796	Gmdrm	hypo	CHG	-0.308
Gm15	49210093	49210368	Gmdrm	hypo	CHG	-0.4435
Gm15	49213339	49213622	Gmdrm	hypo	CHG	-0.202
Gm15	49235062	49235184	Gmdrm	hypo	CHG	-0.5733
Gm15	49242833	49243033	Gmdrm	hypo	CHG	-0.31
Gm15	49258967	49259138	Gmdrm	hypo	CHG	-0.5383
Gm15	49259532	49259735	Gmdrm	hypo	CHG	-0.761
Gm15	49264842	49264954	Gmdrm	hypo	CHG	-0.506
Gm15	49283426	49283581	Gmdrm	hypo	CHG	-0.5438
Gm15	49295302	49295354	Gmdrm	hypo	CHG	-0.2743
Gm15	49295460	49295520	Gmdrm	hypo	CHG	-0.508
Gm15	49318312	49318765	Gmdrm	hypo	CHG	-0.2387
Gm15	49348770	49348965	Gmdrm	hypo	CHG	-0.4669
Gm15	49354406	49354579	Gmdrm	hypo	CHG	-0.7575
Gm15	49355891	49356053	Gmdrm	hypo	CHG	-0.026
Gm15	49368638	49368863	Gmdrm	hypo	CHG	-0.6237
Gm15	49368974	49369106	Gmdrm	hypo	CHG	-0.448
Gm15	49376101	49376341	Gmdrm	hypo	CHG	-0.65
Gm15	49376590	49376695	Gmdrm	hypo	CHG	-0.056
Gm15	49395696	49395896	Gmdrm	hypo	CHG	-0.148
Gm15	49395999	49396425	Gmdrm	hypo	CHG	-0.1644
Gm15	49401213	49401461	Gmdrm	hypo	CHG	-0.3866
Gm15	49401870	49401983	Gmdrm	hypo	CHG	-0.3456
Gm15	49402184	49402337	Gmdrm	hypo	CHG	-0.4777
Gm15	49402641	49402701	Gmdrm	hypo	CHG	-0.354
Gm15	49403212	49403379	Gmdrm	hypo	CHG	-0.7033
Gm15	49403528	49403698	Gmdrm	hypo	CHG	-0.363
Gm15	49403903	49403972	Gmdrm	hypo	CHG	-0.0583
Gm15	49404819	49405382	Gmdrm	hypo	CHG	-0.146
Gm15	49421682	49421910	Gmdrm	hypo	CHG	-0.0709
Gm15	49448480	49448870	Gmdrm	hypo	CHG	-0.2254
Gm15	49448971	49449006	Gmdrm	hypo	CHG	-0.96
Gm15	49481542	49481793	Gmdrm	hypo	CHG	-0.0425
Gm15	49486095	49486318	Gmdrm	hypo	CHG	-0.4233
Gm15	49495073	49495254	Gmdrm	hypo	CHG	-0.4269
Gm15	49500779	49500951	Gmdrm	hypo	CHG	-0.299
Gm15	49512679	49513201	Gmdrm	hypo	CHG	-0.2591
Gm15	49522833	49522904	Gmdrm	hypo	CHG	-0.032
Gm15	49524131	49524163	Gmdrm	hypo	CHG	-0.4167
Gm15	49541480	49541845	Gmdrm	hypo	CHG	-0.5268
Gm15	49550691	49550805	Gmdrm	hypo	CHG	-0.048
Gm15	49552998	49553431	Gmdrm	hypo	CHG	-0.4491
Gm15	49556370	49556765	Gmdrm	hypo	CHG	-0.2827
Gm15	49564439	49564824	Gmdrm	hypo	CHG	-0.4341

Gm15	49564996	49565044	Gmdrm	hypo	CHG	-0.14
Gm15	49565564	49565961	Gmdrm	hypo	CHG	-0.1014
Gm15	49601183	49601980	Gmdrm	hypo	CHG	-0.2942
Gm15	49602923	49602980	Gmdrm	hypo	CHG	-0.0783
Gm15	49626855	49626994	Gmdrm	hypo	CHG	-0.6957
Gm15	49627145	49627280	Gmdrm	hypo	CHG	-0.5157
Gm15	49627655	49627776	Gmdrm	hypo	CHG	-0.7258
Gm15	49627951	49628511	Gmdrm	hypo	CHG	-0.6983
Gm15	49628851	49629384	Gmdrm	hypo	CHG	-0.8
Gm15	49629511	49629768	Gmdrm	hypo	CHG	-0.7595
Gm15	49629932	49630090	Gmdrm	hypo	CHG	-0.6783
Gm15	49639755	49640256	Gmdrm	hypo	CHG	-0.3433
Gm15	49643846	49643954	Gmdrm	hypo	CHG	-0.5367
Gm15	49652938	49652994	Gmdrm	hypo	CHG	-0.1917
Gm15	49662427	49662670	Gmdrm	hypo	CHG	-0.7577
Gm15	49666467	49666610	Gmdrm	hypo	CHG	-0.7167
Gm15	49705810	49706089	Gmdrm	hypo	CHG	-0.185
Gm15	49711142	49711294	Gmdrm	hypo	CHG	-0.052
Gm15	49759184	49759232	Gmdrm	hypo	CHG	-0.504
Gm15	49765269	49765430	Gmdrm	hypo	CHG	-0.328
Gm15	49775833	49776098	Gmdrm	hypo	CHG	-0.6017
Gm15	49817693	49817768	Gmdrm	hypo	CHG	-0.368
Gm15	49827835	49828074	Gmdrm	hypo	CHG	-0.2675
Gm15	49829001	49829244	Gmdrm	hypo	CHG	-0.4614
Gm15	49832278	49832536	Gmdrm	hypo	CHG	-0.9206
Gm15	49833722	49833857	Gmdrm	hypo	CHG	-0.302
Gm15	49834773	49835177	Gmdrm	hypo	CHG	-0.73
Gm15	49835633	49835940	Gmdrm	hypo	CHG	-0.4726
Gm15	49858124	49858158	Gmdrm	hypo	CHG	-0.8531
Gm15	49858265	49858646	Gmdrm	hypo	CHG	-0.3977
Gm15	49860056	49860162	Gmdrm	hypo	CHG	-0.656
Gm15	49890692	49891385	Gmdrm	hypo	CHG	-0.0245
Gm15	49904008	49904268	Gmdrm	hypo	CHG	-0.6
Gm15	49923637	49924403	Gmdrm	hypo	CHG	-0.2209
Gm15	49924621	49925214	Gmdrm	hypo	CHG	-0.0635
Gm15	49946874	49947258	Gmdrm	hypo	CHG	-0.1893
Gm15	49947456	49947668	Gmdrm	hypo	CHG	-0.6653
Gm15	49950085	49950333	Gmdrm	hypo	CHG	-0.3255
Gm15	49950840	49950926	Gmdrm	hypo	CHG	-0.4245
Gm15	49958711	49959112	Gmdrm	hypo	CHG	-0.2119
Gm15	49964271	49964589	Gmdrm	hypo	CHG	-0.2516
Gm15	49982834	49982864	Gmdrm	hypo	CHG	-0.554
Gm15	49983409	49984050	Gmdrm	hypo	CHG	-0.4537
Gm15	49985506	49985555	Gmdrm	hypo	CHG	-0.4217
Gm15	49986339	49986544	Gmdrm	hypo	CHG	-0.4017
Gm15	49988566	49988951	Gmdrm	hypo	CHG	-0.3919

Gm15	49989125	49989683	Gmdrm	hypo	CHG	-0.4913
Gm15	49998835	49998937	Gmdrm	hypo	CHG	-0.074
Gm15	50005630	50005778	Gmdrm	hypo	CHG	-0.6165
Gm15	50030458	50030709	Gmdrm	hypo	CHG	-0.6837
Gm15	50112541	50112662	Gmdrm	hypo	CHG	-0.0472
Gm15	50116936	50117383	Gmdrm	hypo	CHG	-0.5782
Gm15	50125638	50125752	Gmdrm	hypo	CHG	-0.0443
Gm15	50146076	50146556	Gmdrm	hypo	CHG	-0.0432
Gm15	50170072	50170205	Gmdrm	hypo	CHG	-0.37
Gm15	50208100	50208283	Gmdrm	hypo	CHG	-0.455
Gm15	50214556	50214638	Gmdrm	hypo	CHG	-0.5722
Gm15	50214758	50214793	Gmdrm	hypo	CHG	-0.8583
Gm15	50217533	50218238	Gmdrm	hypo	CHG	-0.6548
Gm15	50223882	50224378	Gmdrm	hypo	CHG	-0.7657
Gm15	50225723	50225994	Gmdrm	hypo	CHG	-0.338
Gm15	50229716	50229752	Gmdrm	hypo	CHG	-0.14
Gm15	50229881	50230221	Gmdrm	hypo	CHG	-0.5577
Gm15	50230417	50230848	Gmdrm	hypo	CHG	-0.3721
Gm15	50236096	50236736	Gmdrm	hypo	CHG	-0.5272
Gm15	50237159	50237204	Gmdrm	hypo	CHG	-0.4783
Gm15	50248472	50248641	Gmdrm	hypo	CHG	-0.04
Gm15	50280122	50280314	Gmdrm	hypo	CHG	-0.277
Gm15	50280680	50280829	Gmdrm	hypo	CHG	-0.132
Gm15	50289214	50289267	Gmdrm	hypo	CHG	-0.8171
Gm15	50300713	50300765	Gmdrm	hypo	CHG	-0.8057
Gm15	50303009	50303169	Gmdrm	hypo	CHG	-0.05
Gm15	50310685	50310963	Gmdrm	hypo	CHG	-0.3727
Gm15	50311340	50311397	Gmdrm	hypo	CHG	-0.74
Gm15	50324009	50324556	Gmdrm	hypo	CHG	-0.5128
Gm15	50326088	50326314	Gmdrm	hypo	CHG	-0.6112
Gm15	50327546	50327669	Gmdrm	hypo	CHG	-0.74
Gm15	50327805	50328068	Gmdrm	hypo	CHG	-0.6174
Gm15	50328490	50328621	Gmdrm	hypo	CHG	-0.675
Gm15	50332677	50332836	Gmdrm	hypo	CHG	-0.2063
Gm15	50335338	50335614	Gmdrm	hypo	CHG	-0.431
Gm15	50352684	50352710	Gmdrm	hypo	CHG	-0.715
Gm15	50394071	50394155	Gmdrm	hypo	CHG	-0.488
Gm15	50394899	50395080	Gmdrm	hypo	CHG	-0.53
Gm15	50424566	50424797	Gmdrm	hypo	CHG	-0.046
Gm15	50433312	50433525	Gmdrm	hypo	CHG	-0.0371
Gm15	50437764	50437850	Gmdrm	hypo	CHG	-0.594
Gm15	50452639	50452911	Gmdrm	hypo	CHG	-0.46
Gm15	50462558	50462685	Gmdrm	hypo	CHG	-0.2512
Gm15	50463338	50463548	Gmdrm	hypo	CHG	-0.525
Gm15	50472656	50473114	Gmdrm	hypo	CHG	-0.2573
Gm15	50495119	50495302	Gmdrm	hypo	CHG	-0.0647

Gm15	50498723	50498987	Gmdrm	hypo	CHG	-0.0708
Gm15	50504038	50504604	Gmdrm	hypo	CHG	-0.1563
Gm15	50507678	50508145	Gmdrm	hypo	CHG	-0.4933
Gm15	50509105	50509224	Gmdrm	hypo	CHG	-0.0533
Gm15	50509710	50510238	Gmdrm	hypo	CHG	-0.5937
Gm15	50513378	50513542	Gmdrm	hypo	CHG	-0.482
Gm15	50513657	50513712	Gmdrm	hypo	CHG	-0.0615
Gm15	50522643	50522854	Gmdrm	hypo	CHG	-0.685
Gm15	50523027	50523643	Gmdrm	hypo	CHG	-0.7629
Gm15	50525030	50525207	Gmdrm	hypo	CHG	-0.17
Gm15	50527798	50527920	Gmdrm	hypo	CHG	-0.03
Gm15	50539339	50539571	Gmdrm	hypo	CHG	-0.4309
Gm15	50545438	50545780	Gmdrm	hypo	CHG	-0.375
Gm15	50545929	50545994	Gmdrm	hypo	CHG	-0.78
Gm15	50546273	50546400	Gmdrm	hypo	CHG	-0.1378
Gm15	50584638	50584708	Gmdrm	hypo	CHG	-0.046
Gm15	50586712	50586788	Gmdrm	hypo	CHG	-0.468
Gm15	50586900	50586982	Gmdrm	hypo	CHG	-0.5884
Gm15	50591362	50591636	Gmdrm	hypo	CHG	-0.5566
Gm15	50613292	50613605	Gmdrm	hypo	CHG	-0.0538
Gm15	50625581	50626249	Gmdrm	hypo	CHG	-0.3303
Gm15	50629165	50629332	Gmdrm	hypo	CHG	-0.2162
Gm15	50629914	50630164	Gmdrm	hypo	CHG	-0.457
Gm15	50633762	50634133	Gmdrm	hypo	CHG	-0.079
Gm15	50634525	50634696	Gmdrm	hypo	CHG	-0.1946
Gm15	50634799	50634913	Gmdrm	hypo	CHG	-0.6433
Gm15	50635020	50635153	Gmdrm	hypo	CHG	-0.55
Gm15	50642107	50642190	Gmdrm	hypo	CHG	-0.614
Gm15	50650069	50650222	Gmdrm	hypo	CHG	-0.786
Gm15	50652099	50652341	Gmdrm	hypo	CHG	-0.3455
Gm15	50652450	50652531	Gmdrm	hypo	CHG	-0.874
Gm15	50652661	50652765	Gmdrm	hypo	CHG	-0.66
Gm15	50652947	50653076	Gmdrm	hypo	CHG	-0.5687
Gm15	50653374	50653458	Gmdrm	hypo	CHG	-0.2633
Gm15	50653610	50653706	Gmdrm	hypo	CHG	-0.648
Gm15	50663902	50664090	Gmdrm	hypo	CHG	-0.056
Gm15	50678719	50678807	Gmdrm	hypo	CHG	-0.4188
Gm15	50698818	50699099	Gmdrm	hypo	CHG	-0.2878
Gm15	50706474	50706771	Gmdrm	hypo	CHG	-0.473
Gm15	50706921	50707052	Gmdrm	hypo	CHG	-0.6629
Gm15	50707848	50708060	Gmdrm	hypo	CHG	-0.0658
Gm15	50710537	50710621	Gmdrm	hypo	CHG	-0.3833
Gm15	50722812	50723120	Gmdrm	hypo	CHG	-0.5228
Gm15	50724852	50725022	Gmdrm	hypo	CHG	-0.4243
Gm15	50741773	50741852	Gmdrm	hypo	CHG	-0.73
Gm15	50742068	50742275	Gmdrm	hypo	CHG	-0.6585

Gm15	50742468	50742586	Gmdrm	hypo	CHG	-0.2143
Gm15	50764360	50764427	Gmdrm	hypo	CHG	-0.19
Gm15	50771596	50771863	Gmdrm	hypo	CHG	-0.2931
Gm15	50774034	50774161	Gmdrm	hypo	CHG	-0.2645
Gm15	50781053	50781287	Gmdrm	hypo	CHG	-0.4843
Gm15	50795467	50795517	Gmdrm	hypo	CHG	-0.51
Gm15	50795831	50795890	Gmdrm	hypo	CHG	-0.486
Gm15	50803318	50803510	Gmdrm	hypo	CHG	-0.08
Gm15	50804331	50804379	Gmdrm	hypo	CHG	-0.2375
Gm15	50810688	50810716	Gmdrm	hypo	CHG	-0.054
Gm15	50836701	50837013	Gmdrm	hypo	CHG	-0.4505
Gm15	50843778	50844026	Gmdrm	hypo	CHG	-0.2077
Gm15	50846152	50846410	Gmdrm	hypo	CHG	-0.5584
Gm15	50873431	50873537	Gmdrm	hypo	CHG	-0.3701
Gm15	50909777	50909936	Gmdrm	hypo	CHG	-0.5537
Gm15	50923027	50923271	Gmdrm	hypo	CHG	-0.1987
Gm15	50932404	50932529	Gmdrm	hypo	CHG	-0.4725
Gm15	50932817	50932967	Gmdrm	hypo	CHG	-0.7137
Gm15	50934476	50934842	Gmdrm	hypo	CHG	-0.0964
Gm15	50935015	50935181	Gmdrm	hypo	CHG	-0.3488
Gm15	50966470	50967017	Gmdrm	hypo	CHG	-0.4138
Gm15	50975149	50975216	Gmdrm	hypo	CHG	-0.415
Gm15	50979589	50979802	Gmdrm	hypo	CHG	-0.4738
Gm15	50981471	50981582	Gmdrm	hypo	CHG	-0.6571
Gm15	51008388	51008633	Gmdrm	hypo	CHG	-0.0257
Gm15	51014306	51014531	Gmdrm	hypo	CHG	-0.8209
Gm15	51014829	51014960	Gmdrm	hypo	CHG	-0.7142
Gm15	51015295	51015352	Gmdrm	hypo	CHG	-0.9014
Gm15	51022925	51023048	Gmdrm	hypo	CHG	-0.555
Gm15	51033826	51034176	Gmdrm	hypo	CHG	-0.54
Gm15	51038043	51038079	Gmdrm	hypo	CHG	-0.542
Gm15	51064632	51064750	Gmdrm	hypo	CHG	-0.085
Gm15	51064893	51064980	Gmdrm	hypo	CHG	-0.1983
Gm15	51109992	51110113	Gmdrm	hypo	CHG	-0.7415
Gm15	51110448	51110623	Gmdrm	hypo	CHG	-0.7367
Gm15	51128384	51128716	Gmdrm	hypo	CHG	-0.7069
Gm15	51133695	51133896	Gmdrm	hypo	CHG	-0.1517
Gm15	51149190	51149562	Gmdrm	hypo	CHG	-0.4036
Gm15	51158360	51158517	Gmdrm	hypo	CHG	-0.5943
Gm15	51162290	51162373	Gmdrm	hypo	CHG	-0.8767
Gm15	51162821	51162971	Gmdrm	hypo	CHG	-0.9083
Gm15	51165737	51165806	Gmdrm	hypo	CHG	-0.6538
Gm15	51171425	51171665	Gmdrm	hypo	CHG	-0.5333
Gm15	51173940	51174085	Gmdrm	hypo	CHG	-0.0533
Gm15	51215169	51215302	Gmdrm	hypo	CHG	-0.0983
Gm15	51220738	51220831	Gmdrm	hypo	CHG	-0.51

Gm15	51226494	51226772	Gmdrm	hypo	CHG	-0.0275
Gm15	51228086	51228200	Gmdrm	hypo	CHG	-0.1129
Gm15	51230251	51230374	Gmdrm	hypo	CHG	-0.3144
Gm15	51248307	51248487	Gmdrm	hypo	CHG	-0.6386
Gm15	51280749	51280919	Gmdrm	hypo	CHG	-0.058
Gm15	51283384	51283552	Gmdrm	hypo	CHG	-0.3312
Gm15	51287612	51287797	Gmdrm	hypo	CHG	-0.7711
Gm15	51288463	51288640	Gmdrm	hypo	CHG	-0.7157
Gm15	51292986	51293255	Gmdrm	hypo	CHG	-0.36
Gm15	51304862	51305135	Gmdrm	hypo	CHG	-0.284
Gm15	51321118	51321535	Gmdrm	hypo	CHG	-0.0344
Gm15	51327226	51327297	Gmdrm	hypo	CHG	-0.466
Gm15	51327557	51327687	Gmdrm	hypo	CHG	-0.0357
Gm15	51332674	51332837	Gmdrm	hypo	CHG	-0.0729
Gm15	51352789	51352875	Gmdrm	hypo	CHG	-0.062
Gm15	51367239	51367616	Gmdrm	hypo	CHG	-0.2325
Gm15	51371461	51371612	Gmdrm	hypo	CHG	-0.64
Gm15	51374915	51374986	Gmdrm	hypo	CHG	-0.32
Gm15	51375348	51375412	Gmdrm	hypo	CHG	-0.0667
Gm15	51381129	51381518	Gmdrm	hypo	CHG	-0.3619
Gm15	51383064	51383236	Gmdrm	hypo	CHG	-0.1583
Gm15	51394263	51394500	Gmdrm	hypo	CHG	-0.0549
Gm15	51415937	51416010	Gmdrm	hypo	CHG	-0.1517
Gm15	51446613	51447123	Gmdrm	hypo	CHG	-0.1905
Gm15	51452203	51452370	Gmdrm	hypo	CHG	-0.5862
Gm15	51469681	51469841	Gmdrm	hypo	CHG	-0.3683
Gm15	51487194	51487331	Gmdrm	hypo	CHG	-0.538
Gm15	51505245	51505383	Gmdrm	hypo	CHG	-0.6984
Gm15	51516462	51516687	Gmdrm	hypo	CHG	-0.2116
Gm15	51523365	51523617	Gmdrm	hypo	CHG	-0.6726
Gm15	51529819	51530391	Gmdrm	hypo	CHG	-0.3869
Gm15	51555836	51556024	Gmdrm	hypo	CHG	-0.5547
Gm15	51556169	51556209	Gmdrm	hypo	CHG	-0.596
Gm15	51562658	51562696	Gmdrm	hypo	CHG	-0.386
Gm15	51584564	51584676	Gmdrm	hypo	CHG	-0.5645
Gm15	51634579	51634708	Gmdrm	hypo	CHG	-0.058
Gm15	51638297	51638608	Gmdrm	hypo	CHG	-0.1412
Gm15	51642276	51642417	Gmdrm	hypo	CHG	-0.062
Gm15	51645351	51645584	Gmdrm	hypo	CHG	-0.0734
Gm15	51649960	51650146	Gmdrm	hypo	CHG	-0.035
Gm15	51651724	51651861	Gmdrm	hypo	CHG	-0.62
Gm15	51663350	51663676	Gmdrm	hypo	CHG	-0.0442
Gm15	51665751	51666499	Gmdrm	hypo	CHG	-0.3258
Gm15	51676697	51676851	Gmdrm	hypo	CHG	-0.3166
Gm15	51689153	51689255	Gmdrm	hypo	CHG	-0.542
Gm15	51701575	51701652	Gmdrm	hypo	CHG	-0.3083

Gm15	51703161	51703340	Gmdrm	hypo	CHG	-0.125
Gm15	51704612	51704787	Gmdrm	hypo	CHG	-0.05
Gm15	51729200	51729301	Gmdrm	hypo	CHG	-0.045
Gm15	51741399	51741720	Gmdrm	hypo	CHG	-0.4519
Gm15	51760831	51761009	Gmdrm	hypo	CHG	-0.5487
Gm15	51761223	51761511	Gmdrm	hypo	CHG	-0.4582
Gm15	51763885	51763993	Gmdrm	hypo	CHG	-0.5217
Gm15	51780295	51780428	Gmdrm	hypo	CHG	-0.3192
Gm15	51780744	51780907	Gmdrm	hypo	CHG	-0.49
Gm15	51781265	51781369	Gmdrm	hypo	CHG	-0.2287
Gm15	51800353	51800406	Gmdrm	hypo	CHG	-0.5
Gm15	51864018	51864177	Gmdrm	hypo	CHG	-0.3686
Gm15	51905687	51905774	Gmdrm	hypo	CHG	-0.416
Gm15	51906101	51906364	Gmdrm	hypo	CHG	-0.6
Gm15	51910181	51910264	Gmdrm	hypo	CHG	-0.032
Gm15	51913244	51913500	Gmdrm	hypo	CHG	-0.7109
Gm15	51917919	51918295	Gmdrm	hypo	CHG	-0.375
Gm15	51939430	51939535	Gmdrm	hypo	CHG	-0.576
Gm15	51958317	51958522	Gmdrm	hypo	CHG	-0.062
Gm15	51958887	51959101	Gmdrm	hypo	CHG	-0.0237
Gm15	51968102	51968644	Gmdrm	hypo	CHG	-0.2644
Gm15	51987905	51988079	Gmdrm	hypo	CHG	-0.68
Gm15	51988185	51988275	Gmdrm	hypo	CHG	-0.4443
Gm15	51988397	51988603	Gmdrm	hypo	CHG	-0.4612
Gm15	51988807	51989282	Gmdrm	hypo	CHG	-0.4184
Gm15	51989565	51989707	Gmdrm	hypo	CHG	-0.1992
Gm15	51989918	51990220	Gmdrm	hypo	CHG	-0.3807
Gm15	51990630	51990763	Gmdrm	hypo	CHG	-0.525
Gm15	51992323	51992603	Gmdrm	hypo	CHG	-0.2707
Gm15	52006036	52006344	Gmdrm	hypo	CHG	-0.4906
Gm15	52029098	52029700	Gmdrm	hypo	CHG	-0.5015
Gm15	52042822	52042980	Gmdrm	hypo	CHG	-0.4658
Gm15	52060627	52060698	Gmdrm	hypo	CHG	-0.04
Gm15	52061531	52061733	Gmdrm	hypo	CHG	-0.0714
Gm15	52068324	52068500	Gmdrm	hypo	CHG	-0.3245
Gm15	52088360	52088489	Gmdrm	hypo	CHG	-0.4422
Gm15	52089004	52089195	Gmdrm	hypo	CHG	-0.3941
Gm15	52091979	52092056	Gmdrm	hypo	CHG	-0.558
Gm15	52098684	52098806	Gmdrm	hypo	CHG	-0.403
Gm15	52100288	52100480	Gmdrm	hypo	CHG	-0.245
Gm15	52137511	52137730	Gmdrm	hypo	CHG	-0.6474
Gm15	52149479	52149500	Gmdrm	hypo	CHG	-0.5967
Gm15	52201475	52201686	Gmdrm	hypo	CHG	-0.6858
Gm15	52203235	52203455	Gmdrm	hypo	CHG	-0.194
Gm15	52225087	52225340	Gmdrm	hypo	CHG	-0.3458
Gm15	52227059	52227411	Gmdrm	hypo	CHG	-0.5513

Gm15	52228163	52228454	Gmdrm	hypo	CHG	-0.0433
Gm15	52239868	52239928	Gmdrm	hypo	CHG	-0.084
Gm15	52240663	52240918	Gmdrm	hypo	CHG	-0.5777
Gm15	52247869	52248151	Gmdrm	hypo	CHG	-0.6661
Gm15	52249069	52249296	Gmdrm	hypo	CHG	-0.487
Gm15	52253431	52253495	Gmdrm	hypo	CHG	-0.4433
Gm15	52256803	52256928	Gmdrm	hypo	CHG	-0.3234
Gm15	52286976	52287070	Gmdrm	hypo	CHG	-0.546
Gm15	52300161	52300439	Gmdrm	hypo	CHG	-0.035
Gm15	52314144	52314337	Gmdrm	hypo	CHG	-0.107
Gm15	52315074	52315139	Gmdrm	hypo	CHG	-0.655
Gm15	52326750	52326852	Gmdrm	hypo	CHG	-0.0467
Gm15	52327774	52327917	Gmdrm	hypo	CHG	-0.2284
Gm15	52328654	52328779	Gmdrm	hypo	CHG	-0.7475
Gm15	52340788	52340935	Gmdrm	hypo	CHG	-0.266
Gm15	52341484	52341591	Gmdrm	hypo	CHG	-0.759
Gm15	52341822	52342006	Gmdrm	hypo	CHG	-0.5485
Gm15	52342575	52342666	Gmdrm	hypo	CHG	-0.036
Gm15	52351542	52351638	Gmdrm	hypo	CHG	-0.8611
Gm15	52351822	52351940	Gmdrm	hypo	CHG	-0.822
Gm15	52355778	52355865	Gmdrm	hypo	CHG	-0.71
Gm15	52356006	52356216	Gmdrm	hypo	CHG	-0.4227
Gm15	52356579	52356737	Gmdrm	hypo	CHG	-0.1915
Gm15	52357383	52357636	Gmdrm	hypo	CHG	-0.06
Gm15	52364567	52364993	Gmdrm	hypo	CHG	-0.3242
Gm15	52368675	52368765	Gmdrm	hypo	CHG	-0.072
Gm15	52380396	52380448	Gmdrm	hypo	CHG	-0.365
Gm15	52381318	52381457	Gmdrm	hypo	CHG	-0.4066
Gm15	52381926	52382012	Gmdrm	hypo	CHG	-0.7633
Gm15	52382124	52382675	Gmdrm	hypo	CHG	-0.6675
Gm15	52389193	52389456	Gmdrm	hypo	CHG	-0.7063
Gm15	52389628	52389781	Gmdrm	hypo	CHG	-0.3957
Gm15	52401535	52401718	Gmdrm	hypo	CHG	-0.5156
Gm15	52409936	52410061	Gmdrm	hypo	CHG	-0.4616
Gm15	52421520	52421625	Gmdrm	hypo	CHG	-0.0875
Gm15	52428668	52428956	Gmdrm	hypo	CHG	-0.5484
Gm15	52434519	52434931	Gmdrm	hypo	CHG	-0.3647
Gm15	52435048	52435263	Gmdrm	hypo	CHG	-0.511
Gm15	52436620	52436869	Gmdrm	hypo	CHG	-0.04
Gm15	52442233	52442387	Gmdrm	hypo	CHG	-0.495
Gm15	52445764	52446109	Gmdrm	hypo	CHG	-0.335
Gm15	52449726	52449818	Gmdrm	hypo	CHG	-0.43
Gm15	52472217	52472517	Gmdrm	hypo	CHG	-0.0589
Gm15	52473620	52473654	Gmdrm	hypo	CHG	-0.752
Gm15	52474061	52474152	Gmdrm	hypo	CHG	-0.77
Gm15	52506331	52506462	Gmdrm	hypo	CHG	-0.632

Gm15	52518516	52518878	Gmdrm	hypo	CHG	-0.8607
Gm15	52518986	52519100	Gmdrm	hypo	CHG	-0.8545
Gm15	52519791	52519971	Gmdrm	hypo	CHG	-0.0311
Gm15	52529866	52530287	Gmdrm	hypo	CHG	-0.0345
Gm15	52541690	52541833	Gmdrm	hypo	CHG	-0.7025
Gm15	52541981	52542015	Gmdrm	hypo	CHG	-0.7266
Gm15	52542182	52542319	Gmdrm	hypo	CHG	-0.626
Gm15	52543209	52543317	Gmdrm	hypo	CHG	-0.5767
Gm15	52544403	52544846	Gmdrm	hypo	CHG	-0.0573
Gm15	52552093	52552474	Gmdrm	hypo	CHG	-0.7889
Gm15	52556897	52557225	Gmdrm	hypo	CHG	-0.489
Gm15	52557346	52557564	Gmdrm	hypo	CHG	-0.3867
Gm15	52559926	52560081	Gmdrm	hypo	CHG	-0.0967
Gm15	52563881	52563968	Gmdrm	hypo	CHG	-0.3572
Gm15	52564329	52564682	Gmdrm	hypo	CHG	-0.5563
Gm15	52572187	52572298	Gmdrm	hypo	CHG	-0.4962
Gm15	52589101	52589163	Gmdrm	hypo	CHG	-0.5483
Gm15	52589883	52589905	Gmdrm	hypo	CHG	-0.2684
Gm15	52605356	52605755	Gmdrm	hypo	CHG	-0.0269
Gm15	52614024	52614165	Gmdrm	hypo	CHG	-0.732
Gm15	52624645	52624784	Gmdrm	hypo	CHG	-0.032
Gm15	52646175	52646614	Gmdrm	hypo	CHG	-0.365
Gm15	52647881	52648391	Gmdrm	hypo	CHG	-0.4229
Gm15	52649544	52649837	Gmdrm	hypo	CHG	-0.2993
Gm15	52655340	52655835	Gmdrm	hypo	CHG	-0.5805
Gm15	52664131	52664520	Gmdrm	hypo	CHG	-0.5682
Gm15	52664769	52664970	Gmdrm	hypo	CHG	-0.1262
Gm15	52674823	52675050	Gmdrm	hypo	CHG	-0.1166
Gm15	52678950	52679067	Gmdrm	hypo	CHG	-0.685
Gm15	52688381	52688492	Gmdrm	hypo	CHG	-0.08
Gm15	52689481	52689883	Gmdrm	hypo	CHG	-0.467
Gm15	52692554	52692687	Gmdrm	hypo	CHG	-0.298
Gm15	52693211	52693363	Gmdrm	hypo	CHG	-0.626
Gm15	52693944	52694089	Gmdrm	hypo	CHG	-0.4441
Gm15	52694193	52694290	Gmdrm	hypo	CHG	-0.444
Gm15	52694835	52695304	Gmdrm	hypo	CHG	-0.4141
Gm15	52712721	52713111	Gmdrm	hypo	CHG	-0.4884
Gm15	52714242	52714591	Gmdrm	hypo	CHG	-0.6418
Gm15	52714841	52714952	Gmdrm	hypo	CHG	-0.47
Gm15	52732085	52732222	Gmdrm	hypo	CHG	-0.74
Gm15	52744530	52745275	Gmdrm	hypo	CHG	-0.1
Gm15	52789283	52789379	Gmdrm	hypo	CHG	-0.325
Gm15	52794669	52794831	Gmdrm	hypo	CHG	-0.2521
Gm15	52803191	52803311	Gmdrm	hypo	CHG	-0.4125
Gm15	52808876	52809022	Gmdrm	hypo	CHG	-0.2416
Gm15	52813936	52814076	Gmdrm	hypo	CHG	-0.054

Gm15	52817695	52817763	Gmdrm	hypo	CHG	-0.274
Gm15	52818966	52819193	Gmdrm	hypo	CHG	-0.5292
Gm15	52835945	52836100	Gmdrm	hypo	CHG	-0.095
Gm15	52837740	52837822	Gmdrm	hypo	CHG	-0.2375
Gm15	52839012	52839268	Gmdrm	hypo	CHG	-0.0375
Gm15	52888892	52889116	Gmdrm	hypo	CHG	-0.1179
Gm15	52913851	52914122	Gmdrm	hypo	CHG	-0.0738
Gm15	52914853	52914940	Gmdrm	hypo	CHG	-0.2062
Gm15	52915587	52915627	Gmdrm	hypo	CHG	-0.1134
Gm15	52942156	52942286	Gmdrm	hypo	CHG	-0.7967
Gm15	52949353	52949417	Gmdrm	hypo	CHG	-0.3117
Gm15	52952548	52952933	Gmdrm	hypo	CHG	-0.715
Gm15	52959829	52960074	Gmdrm	hypo	CHG	-0.4184
Gm15	52974302	52974630	Gmdrm	hypo	CHG	-0.3682
Gm15	52987023	52987191	Gmdrm	hypo	CHG	-0.536
Gm15	52987513	52987527	Gmdrm	hypo	CHG	-0.8567
Gm15	52987637	52987654	Gmdrm	hypo	CHG	-0.7733
Gm15	52989583	52989664	Gmdrm	hypo	CHG	-0.5975
Gm15	52992017	52992263	Gmdrm	hypo	CHG	-0.7754
Gm15	52995067	52995156	Gmdrm	hypo	CHG	-0.3633
Gm15	53016231	53016335	Gmdrm	hypo	CHG	-0.532
Gm15	53016845	53017220	Gmdrm	hypo	CHG	-0.0525
Gm15	53017951	53018055	Gmdrm	hypo	CHG	-0.7134
Gm15	53033885	53034118	Gmdrm	hypo	CHG	-0.3028
Gm15	53034219	53034494	Gmdrm	hypo	CHG	-0.5427
Gm15	53034616	53034808	Gmdrm	hypo	CHG	-0.1263
Gm15	53043783	53044168	Gmdrm	hypo	CHG	-0.402
Gm15	53044271	53044320	Gmdrm	hypo	CHG	-0.7
Gm15	53048180	53048768	Gmdrm	hypo	CHG	-0.0284
Gm15	53053527	53053547	Gmdrm	hypo	CHG	-0.2034
Gm15	53073163	53073323	Gmdrm	hypo	CHG	-0.048
Gm15	53073873	53074157	Gmdrm	hypo	CHG	-0.7225
Gm15	53078086	53078112	Gmdrm	hypo	CHG	-0.506
Gm15	53133259	53133368	Gmdrm	hypo	CHG	-0.3587
Gm15	53137051	53137135	Gmdrm	hypo	CHG	-0.4383
Gm15	53143916	53144137	Gmdrm	hypo	CHG	-0.6834
Gm15	53147083	53147585	Gmdrm	hypo	CHG	-0.0323
Gm15	53160718	53160823	Gmdrm	hypo	CHG	-0.182
Gm15	53161161	53161731	Gmdrm	hypo	CHG	-0.5448
Gm15	53171563	53171664	Gmdrm	hypo	CHG	-0.1883
Gm15	53188026	53188142	Gmdrm	hypo	CHG	-0.42
Gm15	53188264	53188348	Gmdrm	hypo	CHG	-0.2712
Gm15	53188474	53188725	Gmdrm	hypo	CHG	-0.4565
Gm15	53188968	53189266	Gmdrm	hypo	CHG	-0.2783
Gm15	53197867	53198027	Gmdrm	hypo	CHG	-0.4463
Gm15	53198254	53198518	Gmdrm	hypo	CHG	-0.5637

Gm15	53201230	53201427	Gmdrm	hypo	CHG	-0.2362
Gm15	53202569	53202714	Gmdrm	hypo	CHG	-0.5212
Gm15	53206559	53206646	Gmdrm	hypo	CHG	-0.362
Gm15	53212981	53213097	Gmdrm	hypo	CHG	-0.8511
Gm15	53213227	53213448	Gmdrm	hypo	CHG	-0.8013
Gm15	53235021	53235163	Gmdrm	hypo	CHG	-0.16
Gm15	53304942	53305003	Gmdrm	hypo	CHG	-0.652
Gm15	53309454	53309504	Gmdrm	hypo	CHG	-0.296
Gm15	53314209	53314293	Gmdrm	hypo	CHG	-0.245
Gm15	53340624	53340661	Gmdrm	hypo	CHG	-0.1675
Gm15	53340924	53340959	Gmdrm	hypo	CHG	-0.1738
Gm15	53352714	53352830	Gmdrm	hypo	CHG	-0.0683
Gm15	53389105	53389811	Gmdrm	hypo	CHG	-0.4161
Gm15	53398544	53398954	Gmdrm	hypo	CHG	-0.638
Gm15	53402058	53402298	Gmdrm	hypo	CHG	-0.2304
Gm15	53420701	53420784	Gmdrm	hypo	CHG	-0.6134
Gm15	53420885	53421166	Gmdrm	hypo	CHG	-0.5886
Gm15	53421295	53421555	Gmdrm	hypo	CHG	-0.7987
Gm15	53422312	53422436	Gmdrm	hypo	CHG	-0.605
Gm15	53422812	53422837	Gmdrm	hypo	CHG	-0.546
Gm15	53423193	53423330	Gmdrm	hypo	CHG	-0.795
Gm15	53429402	53430034	Gmdrm	hypo	CHG	-0.0985
Gm15	53430765	53431319	Gmdrm	hypo	CHG	-0.18
Gm15	53436349	53436659	Gmdrm	hypo	CHG	-0.341
Gm15	53439938	53440098	Gmdrm	hypo	CHG	-0.3064
Gm15	53462510	53462539	Gmdrm	hypo	CHG	-0.078
Gm15	53482241	53482486	Gmdrm	hypo	CHG	-0.1182
Gm15	53484242	53484391	Gmdrm	hypo	CHG	-0.5659
Gm15	53484524	53484680	Gmdrm	hypo	CHG	-0.4135
Gm15	53484871	53485042	Gmdrm	hypo	CHG	-0.64
Gm15	53485157	53485344	Gmdrm	hypo	CHG	-0.406
Gm15	53497211	53497972	Gmdrm	hypo	CHG	-0.44
Gm15	53500703	53500878	Gmdrm	hypo	CHG	-0.3142
Gm15	53501050	53501598	Gmdrm	hypo	CHG	-0.5379
Gm15	53504003	53504377	Gmdrm	hypo	CHG	-0.0414
Gm15	53517363	53517515	Gmdrm	hypo	CHG	-0.8312
Gm15	53517776	53517983	Gmdrm	hypo	CHG	-0.675
Gm15	53518094	53518465	Gmdrm	hypo	CHG	-0.488
Gm15	53531668	53531809	Gmdrm	hypo	CHG	-0.1883
Gm15	53540641	53540854	Gmdrm	hypo	CHG	-0.3214
Gm15	53605401	53605872	Gmdrm	hypo	CHG	-0.334
Gm15	53605988	53606325	Gmdrm	hypo	CHG	-0.3565
Gm15	53606462	53606780	Gmdrm	hypo	CHG	-0.0909
Gm15	53610912	53611859	Gmdrm	hypo	CHG	-0.1438
Gm15	53611919	53612912	Gmdrm	hypo	CHG	-0.5743
Gm15	53616703	53617693	Gmdrm	hypo	CHG	-0.2904

Gm15	53630634	53631317	Gmdrm	hypo	CHG	-0.0837
Gm15	53633783	53634071	Gmdrm	hypo	CHG	-0.0557
Gm15	53641315	53641528	Gmdrm	hypo	CHG	-0.0683
Gm15	53647446	53647531	Gmdrm	hypo	CHG	-0.0967
Gm15	53651455	53651627	Gmdrm	hypo	CHG	-0.5783
Gm15	53704350	53704987	Gmdrm	hypo	CHG	-0.4835
Gm15	53710589	53711503	Gmdrm	hypo	CHG	-0.1264
Gm15	53724735	53724807	Gmdrm	hypo	CHG	-0.0462
Gm15	53727679	53727873	Gmdrm	hypo	CHG	-0.4154
Gm15_scaffo	22275	22593	Gmdrm	hypo	CHG	-0.0282
Gm15_scaffo	39748	40141	Gmdrm	hypo	CHG	-0.2806
Gm15_scaffo	55008	55104	Gmdrm	hypo	CHG	-0.128
Gm15_scaffo	10530	10716	Gmdrm	hypo	CHG	-0.5343
Gm15_scaffo	10852	10903	Gmdrm	hypo	CHG	-0.288
Gm16	7529	7558	Gmdrm	hypo	CHG	-0.346
Gm16	8690	9023	Gmdrm	hypo	CHG	-0.3483
Gm16	12862	13127	Gmdrm	hypo	CHG	-0.4937
Gm16	32367	32548	Gmdrm	hypo	CHG	-0.2392
Gm16	40594	40990	Gmdrm	hypo	CHG	-0.2884
Gm16	42373	42477	Gmdrm	hypo	CHG	-0.04
Gm16	42780	43363	Gmdrm	hypo	CHG	-0.3335
Gm16	87472	87576	Gmdrm	hypo	CHG	-0.9233
Gm16	110820	111061	Gmdrm	hypo	CHG	-0.3972
Gm16	143946	143965	Gmdrm	hypo	CHG	-0.7333
Gm16	146524	146611	Gmdrm	hypo	CHG	-0.345
Gm16	147534	147648	Gmdrm	hypo	CHG	-0.8683
Gm16	160902	161145	Gmdrm	hypo	CHG	-0.108
Gm16	162486	162607	Gmdrm	hypo	CHG	-0.1427
Gm16	163003	163165	Gmdrm	hypo	CHG	-0.5555
Gm16	163466	163666	Gmdrm	hypo	CHG	-0.84
Gm16	179205	179304	Gmdrm	hypo	CHG	-0.39
Gm16	179492	179597	Gmdrm	hypo	CHG	-0.8683
Gm16	179870	180171	Gmdrm	hypo	CHG	-0.0357
Gm16	245312	245447	Gmdrm	hypo	CHG	-0.2014
Gm16	245553	245791	Gmdrm	hypo	CHG	-0.823
Gm16	245895	246070	Gmdrm	hypo	CHG	-0.7917
Gm16	252887	252927	Gmdrm	hypo	CHG	-0.0714
Gm16	261822	261958	Gmdrm	hypo	CHG	-0.488
Gm16	262114	262342	Gmdrm	hypo	CHG	-0.645
Gm16	279863	279992	Gmdrm	hypo	CHG	-0.29
Gm16	280419	280787	Gmdrm	hypo	CHG	-0.1024
Gm16	290733	291176	Gmdrm	hypo	CHG	-0.0422
Gm16	291303	291542	Gmdrm	hypo	CHG	-0.1442
Gm16	294270	294456	Gmdrm	hypo	CHG	-0.26
Gm16	294645	295074	Gmdrm	hypo	CHG	-0.186
Gm16	299115	299389	Gmdrm	hypo	CHG	-0.021

Gm16	303312	303453 Gmdrm	hypo	CHG	-0.06
Gm16	307597	307707 Gmdrm	hypo	CHG	-0.138
Gm16	307834	307990 Gmdrm	hypo	CHG	-0.4258
Gm16	311106	311543 Gmdrm	hypo	CHG	-0.2186
Gm16	311826	312469 Gmdrm	hypo	CHG	-0.1304
Gm16	315634	315732 Gmdrm	hypo	CHG	-0.0458
Gm16	315857	316042 Gmdrm	hypo	CHG	-0.0411
Gm16	316160	316461 Gmdrm	hypo	CHG	-0.3414
Gm16	328842	329043 Gmdrm	hypo	CHG	-0.6582
Gm16	329327	329468 Gmdrm	hypo	CHG	-0.2676
Gm16	349263	350076 Gmdrm	hypo	CHG	-0.55
Gm16	350191	350252 Gmdrm	hypo	CHG	-0.42
Gm16	350543	350984 Gmdrm	hypo	CHG	-0.5772
Gm16	351133	351308 Gmdrm	hypo	CHG	-0.5037
Gm16	361300	361321 Gmdrm	hypo	CHG	-0.182
Gm16	364033	364489 Gmdrm	hypo	CHG	-0.0679
Gm16	385735	385970 Gmdrm	hypo	CHG	-0.4515
Gm16	388020	388247 Gmdrm	hypo	CHG	-0.04
Gm16	388533	388655 Gmdrm	hypo	CHG	-0.0655
Gm16	396909	397054 Gmdrm	hypo	CHG	-0.0867
Gm16	405148	405923 Gmdrm	hypo	CHG	-0.2081
Gm16	406166	406366 Gmdrm	hypo	CHG	-0.1572
Gm16	406471	407447 Gmdrm	hypo	CHG	-0.1765
Gm16	407499	407760 Gmdrm	hypo	CHG	-0.4694
Gm16	440035	440340 Gmdrm	hypo	CHG	-0.2732
Gm16	440604	440928 Gmdrm	hypo	CHG	-0.6394
Gm16	462936	463275 Gmdrm	hypo	CHG	-0.034
Gm16	463439	463574 Gmdrm	hypo	CHG	-0.0614
Gm16	463677	463833 Gmdrm	hypo	CHG	-0.066
Gm16	468916	469303 Gmdrm	hypo	CHG	-0.5905
Gm16	482629	482751 Gmdrm	hypo	CHG	-0.6658
Gm16	550251	550524 Gmdrm	hypo	CHG	-0.06
Gm16	561759	561815 Gmdrm	hypo	CHG	-0.7657
Gm16	564881	565163 Gmdrm	hypo	CHG	-0.5033
Gm16	567186	567359 Gmdrm	hypo	CHG	-0.6
Gm16	603420	603666 Gmdrm	hypo	CHG	-0.03
Gm16	609634	609806 Gmdrm	hypo	CHG	-0.038
Gm16	610957	611085 Gmdrm	hypo	CHG	-0.5783
Gm16	617649	618470 Gmdrm	hypo	CHG	-0.4907
Gm16	618575	618706 Gmdrm	hypo	CHG	-0.7489
Gm16	624225	624595 Gmdrm	hypo	CHG	-0.7723
Gm16	639345	639587 Gmdrm	hypo	CHG	-0.7442
Gm16	642759	642877 Gmdrm	hypo	CHG	-0.6063
Gm16	647053	647294 Gmdrm	hypo	CHG	-0.1393
Gm16	661949	661958 Gmdrm	hypo	CHG	-0.668
Gm16	664986	665233 Gmdrm	hypo	CHG	-0.2484

Gm16	665744	666063	Gmdrm	hypo	CHG	-0.4086
Gm16	666371	666489	Gmdrm	hypo	CHG	-0.0838
Gm16	672446	672633	Gmdrm	hypo	CHG	-0.7936
Gm16	673286	673600	Gmdrm	hypo	CHG	-0.8072
Gm16	683446	683546	Gmdrm	hypo	CHG	-0.464
Gm16	690727	690838	Gmdrm	hypo	CHG	-0.5844
Gm16	691421	691510	Gmdrm	hypo	CHG	-0.4317
Gm16	696313	696412	Gmdrm	hypo	CHG	-0.7566
Gm16	719640	719923	Gmdrm	hypo	CHG	-0.3357
Gm16	726632	726762	Gmdrm	hypo	CHG	-0.35
Gm16	729127	729233	Gmdrm	hypo	CHG	-0.296
Gm16	729620	729688	Gmdrm	hypo	CHG	-0.42
Gm16	729796	729907	Gmdrm	hypo	CHG	-0.4783
Gm16	733477	733819	Gmdrm	hypo	CHG	-0.0378
Gm16	747790	748478	Gmdrm	hypo	CHG	-0.6612
Gm16	748810	748993	Gmdrm	hypo	CHG	-0.7056
Gm16	760620	761125	Gmdrm	hypo	CHG	-0.515
Gm16	761227	761419	Gmdrm	hypo	CHG	-0.9009
Gm16	761664	761883	Gmdrm	hypo	CHG	-0.76
Gm16	768926	769035	Gmdrm	hypo	CHG	-0.4214
Gm16	769136	769311	Gmdrm	hypo	CHG	-0.325
Gm16	783913	784415	Gmdrm	hypo	CHG	-0.5092
Gm16	810937	811136	Gmdrm	hypo	CHG	-0.6286
Gm16	811411	811552	Gmdrm	hypo	CHG	-0.2817
Gm16	814712	815040	Gmdrm	hypo	CHG	-0.8077
Gm16	822717	822811	Gmdrm	hypo	CHG	-0.2433
Gm16	830555	830813	Gmdrm	hypo	CHG	-0.317
Gm16	859010	859137	Gmdrm	hypo	CHG	-0.57
Gm16	859404	859610	Gmdrm	hypo	CHG	-0.5938
Gm16	859738	859913	Gmdrm	hypo	CHG	-0.0545
Gm16	874878	874987	Gmdrm	hypo	CHG	-0.71
Gm16	875105	875257	Gmdrm	hypo	CHG	-0.5267
Gm16	875451	875544	Gmdrm	hypo	CHG	-0.1042
Gm16	885827	885957	Gmdrm	hypo	CHG	-0.046
Gm16	916378	916471	Gmdrm	hypo	CHG	-0.522
Gm16	930859	931094	Gmdrm	hypo	CHG	-0.0587
Gm16	962844	963290	Gmdrm	hypo	CHG	-0.1116
Gm16	972921	973122	Gmdrm	hypo	CHG	-0.8471
Gm16	973258	973455	Gmdrm	hypo	CHG	-0.741
Gm16	997620	997763	Gmdrm	hypo	CHG	-0.45
Gm16	998106	998230	Gmdrm	hypo	CHG	-0.8217
Gm16	1032722	1032818	Gmdrm	hypo	CHG	-0.514
Gm16	1087060	1087173	Gmdrm	hypo	CHG	-0.655
Gm16	1087913	1087967	Gmdrm	hypo	CHG	-0.7567
Gm16	1088124	1088286	Gmdrm	hypo	CHG	-0.7629
Gm16	1103350	1103549	Gmdrm	hypo	CHG	-0.0383

Gm16	1167244	1167513	Gmdrm	hypo	CHG	-0.0386
Gm16	1169737	1169861	Gmdrm	hypo	CHG	-0.055
Gm16	1176901	1177419	Gmdrm	hypo	CHG	-0.3832
Gm16	1177596	1177906	Gmdrm	hypo	CHG	-0.544
Gm16	1179198	1179548	Gmdrm	hypo	CHG	-0.5925
Gm16	1179827	1179850	Gmdrm	hypo	CHG	-0.3666
Gm16	1179964	1180021	Gmdrm	hypo	CHG	-0.494
Gm16	1180150	1180381	Gmdrm	hypo	CHG	-0.5075
Gm16	1226819	1226887	Gmdrm	hypo	CHG	-0.5186
Gm16	1270677	1270897	Gmdrm	hypo	CHG	-0.43
Gm16	1272155	1272250	Gmdrm	hypo	CHG	-0.7176
Gm16	1272508	1272724	Gmdrm	hypo	CHG	-0.7215
Gm16	1275448	1275942	Gmdrm	hypo	CHG	-0.6154
Gm16	1285265	1286005	Gmdrm	hypo	CHG	-0.4014
Gm16	1307142	1307202	Gmdrm	hypo	CHG	-0.856
Gm16	1307830	1307935	Gmdrm	hypo	CHG	-0.6817
Gm16	1342492	1342708	Gmdrm	hypo	CHG	-0.044
Gm16	1348728	1348979	Gmdrm	hypo	CHG	-0.4641
Gm16	1349108	1349195	Gmdrm	hypo	CHG	-0.982
Gm16	1349437	1349582	Gmdrm	hypo	CHG	-0.7512
Gm16	1355371	1355604	Gmdrm	hypo	CHG	-0.0663
Gm16	1360411	1360875	Gmdrm	hypo	CHG	-0.5091
Gm16	1361041	1361154	Gmdrm	hypo	CHG	-0.4338
Gm16	1372555	1372935	Gmdrm	hypo	CHG	-0.44
Gm16	1386994	1387259	Gmdrm	hypo	CHG	-0.26
Gm16	1391689	1391922	Gmdrm	hypo	CHG	-0.0314
Gm16	1414237	1414440	Gmdrm	hypo	CHG	-0.058
Gm16	1417201	1417560	Gmdrm	hypo	CHG	-0.4791
Gm16	1432386	1432937	Gmdrm	hypo	CHG	-0.3348
Gm16	1433257	1433506	Gmdrm	hypo	CHG	-0.7364
Gm16	1433765	1433985	Gmdrm	hypo	CHG	-0.6694
Gm16	1434247	1434317	Gmdrm	hypo	CHG	-0.696
Gm16	1434421	1434530	Gmdrm	hypo	CHG	-0.4257
Gm16	1434723	1434814	Gmdrm	hypo	CHG	-0.565
Gm16	1434955	1435244	Gmdrm	hypo	CHG	-0.2913
Gm16	1467959	1468089	Gmdrm	hypo	CHG	-0.024
Gm16	1477787	1477917	Gmdrm	hypo	CHG	-0.5143
Gm16	1478217	1478325	Gmdrm	hypo	CHG	-0.6517
Gm16	1486955	1487272	Gmdrm	hypo	CHG	-0.386
Gm16	1493209	1493450	Gmdrm	hypo	CHG	-0.4905
Gm16	1531094	1531281	Gmdrm	hypo	CHG	-0.7067
Gm16	1532451	1532543	Gmdrm	hypo	CHG	-0.385
Gm16	1537231	1537330	Gmdrm	hypo	CHG	-0.84
Gm16	1539454	1539764	Gmdrm	hypo	CHG	-0.6758
Gm16	1540115	1540327	Gmdrm	hypo	CHG	-0.867
Gm16	1581298	1581370	Gmdrm	hypo	CHG	-0.385

Gm16	1588363	1588464	Gmdrm	hypo	CHG	-0.4971
Gm16	1601541	1602226	Gmdrm	hypo	CHG	-0.0243
Gm16	1602548	1602744	Gmdrm	hypo	CHG	-0.0488
Gm16	1609459	1609858	Gmdrm	hypo	CHG	-0.3138
Gm16	1621727	1622001	Gmdrm	hypo	CHG	-0.0366
Gm16	1623895	1623996	Gmdrm	hypo	CHG	-0.044
Gm16	1628854	1628943	Gmdrm	hypo	CHG	-0.492
Gm16	1646707	1646863	Gmdrm	hypo	CHG	-0.3628
Gm16	1704088	1704523	Gmdrm	hypo	CHG	-0.021
Gm16	1749221	1749363	Gmdrm	hypo	CHG	-0.0514
Gm16	1749544	1749969	Gmdrm	hypo	CHG	-0.7577
Gm16	1750189	1750367	Gmdrm	hypo	CHG	-0.5925
Gm16	1761865	1762385	Gmdrm	hypo	CHG	-0.2722
Gm16	1771066	1771245	Gmdrm	hypo	CHG	-0.0433
Gm16	1775423	1775575	Gmdrm	hypo	CHG	-0.5562
Gm16	1777524	1777562	Gmdrm	hypo	CHG	-0.418
Gm16	1778095	1778326	Gmdrm	hypo	CHG	-0.074
Gm16	1787351	1787483	Gmdrm	hypo	CHG	-0.05
Gm16	1787631	1787669	Gmdrm	hypo	CHG	-0.4984
Gm16	1788123	1788207	Gmdrm	hypo	CHG	-0.096
Gm16	1788503	1788875	Gmdrm	hypo	CHG	-0.3038
Gm16	1789053	1789153	Gmdrm	hypo	CHG	-0.0762
Gm16	1790321	1790420	Gmdrm	hypo	CHG	-0.55
Gm16	1803298	1803448	Gmdrm	hypo	CHG	-0.8458
Gm16	1803598	1804028	Gmdrm	hypo	CHG	-0.7922
Gm16	1804153	1804527	Gmdrm	hypo	CHG	-0.4195
Gm16	1812819	1813008	Gmdrm	hypo	CHG	-0.3934
Gm16	1813279	1813713	Gmdrm	hypo	CHG	-0.6542
Gm16	1813914	1814134	Gmdrm	hypo	CHG	-0.4272
Gm16	1817990	1818296	Gmdrm	hypo	CHG	-0.04
Gm16	1821893	1822032	Gmdrm	hypo	CHG	-0.2484
Gm16	1830309	1830675	Gmdrm	hypo	CHG	-0.518
Gm16	1850921	1851111	Gmdrm	hypo	CHG	-0.4858
Gm16	1851303	1851404	Gmdrm	hypo	CHG	-0.79
Gm16	1851542	1851743	Gmdrm	hypo	CHG	-0.4342
Gm16	1855156	1855434	Gmdrm	hypo	CHG	-0.7978
Gm16	1861138	1861289	Gmdrm	hypo	CHG	-0.616
Gm16	1872075	1872250	Gmdrm	hypo	CHG	-0.664
Gm16	1878472	1878619	Gmdrm	hypo	CHG	-0.3222
Gm16	1898827	1898947	Gmdrm	hypo	CHG	-0.054
Gm16	1909104	1909196	Gmdrm	hypo	CHG	-0.7728
Gm16	1939468	1939811	Gmdrm	hypo	CHG	-0.4984
Gm16	1942168	1942472	Gmdrm	hypo	CHG	-0.7872
Gm16	1952676	1952739	Gmdrm	hypo	CHG	-0.6733
Gm16	1960699	1960944	Gmdrm	hypo	CHG	-0.4693
Gm16	1997476	1997724	Gmdrm	hypo	CHG	-0.3314

Gm16	2023731	2023846	Gmdrm	hypo	CHG	-0.054
Gm16	2026533	2026666	Gmdrm	hypo	CHG	-0.2014
Gm16	2028478	2028619	Gmdrm	hypo	CHG	-0.7812
Gm16	2059687	2059875	Gmdrm	hypo	CHG	-0.6622
Gm16	2060624	2060783	Gmdrm	hypo	CHG	-0.4
Gm16	2088131	2088309	Gmdrm	hypo	CHG	-0.3445
Gm16	2092419	2092491	Gmdrm	hypo	CHG	-0.3075
Gm16	2097251	2097563	Gmdrm	hypo	CHG	-0.064
Gm16	2147514	2147898	Gmdrm	hypo	CHG	-0.3675
Gm16	2160280	2160293	Gmdrm	hypo	CHG	-0.3767
Gm16	2162848	2162893	Gmdrm	hypo	CHG	-0.456
Gm16	2194055	2194580	Gmdrm	hypo	CHG	-0.239
Gm16	2203557	2203743	Gmdrm	hypo	CHG	-0.04
Gm16	2215849	2216790	Gmdrm	hypo	CHG	-0.0379
Gm16	2221922	2221994	Gmdrm	hypo	CHG	-0.1
Gm16	2231452	2231491	Gmdrm	hypo	CHG	-0.724
Gm16	2231595	2231695	Gmdrm	hypo	CHG	-0.8767
Gm16	2239143	2239339	Gmdrm	hypo	CHG	-0.406
Gm16	2239721	2239997	Gmdrm	hypo	CHG	-0.5771
Gm16	2240214	2240249	Gmdrm	hypo	CHG	-0.69
Gm16	2253885	2253999	Gmdrm	hypo	CHG	-0.72
Gm16	2278914	2278952	Gmdrm	hypo	CHG	-0.4383
Gm16	2281654	2281748	Gmdrm	hypo	CHG	-0.034
Gm16	2281849	2281980	Gmdrm	hypo	CHG	-0.322
Gm16	2282138	2282207	Gmdrm	hypo	CHG	-0.4067
Gm16	2284706	2284883	Gmdrm	hypo	CHG	-0.824
Gm16	2285301	2285481	Gmdrm	hypo	CHG	-0.502
Gm16	2286606	2286828	Gmdrm	hypo	CHG	-0.45
Gm16	2327395	2327478	Gmdrm	hypo	CHG	-0.042
Gm16	2343115	2343308	Gmdrm	hypo	CHG	-0.4314
Gm16	2360645	2360835	Gmdrm	hypo	CHG	-0.1825
Gm16	2386617	2386874	Gmdrm	hypo	CHG	-0.6992
Gm16	2394685	2394979	Gmdrm	hypo	CHG	-0.0444
Gm16	2410129	2410315	Gmdrm	hypo	CHG	-0.7226
Gm16	2412808	2413036	Gmdrm	hypo	CHG	-0.0509
Gm16	2417156	2417455	Gmdrm	hypo	CHG	-0.0767
Gm16	2440761	2440895	Gmdrm	hypo	CHG	-0.4271
Gm16	2447491	2447600	Gmdrm	hypo	CHG	-0.046
Gm16	2486979	2487311	Gmdrm	hypo	CHG	-0.0371
Gm16	2498763	2499092	Gmdrm	hypo	CHG	-0.2457
Gm16	2524380	2524628	Gmdrm	hypo	CHG	-0.512
Gm16	2537678	2537850	Gmdrm	hypo	CHG	-0.045
Gm16	2540413	2540482	Gmdrm	hypo	CHG	-0.6857
Gm16	2540608	2540683	Gmdrm	hypo	CHG	-0.8243
Gm16	2540844	2541360	Gmdrm	hypo	CHG	-0.9062
Gm16	2554162	2554575	Gmdrm	hypo	CHG	-0.409

Gm16	2554751	2555135	Gmdrm	hypo	CHG	-0.43
Gm16	2556415	2556505	Gmdrm	hypo	CHG	-0.0357
Gm16	2566729	2566936	Gmdrm	hypo	CHG	-0.036
Gm16	2568763	2568987	Gmdrm	hypo	CHG	-0.64
Gm16	2569237	2569451	Gmdrm	hypo	CHG	-0.1893
Gm16	2571213	2571397	Gmdrm	hypo	CHG	-0.036
Gm16	2578593	2578646	Gmdrm	hypo	CHG	-0.636
Gm16	2596954	2597052	Gmdrm	hypo	CHG	-0.0533
Gm16	2597334	2597512	Gmdrm	hypo	CHG	-0.878
Gm16	2609541	2610058	Gmdrm	hypo	CHG	-0.6704
Gm16	2632166	2632310	Gmdrm	hypo	CHG	-0.3587
Gm16	2634432	2634643	Gmdrm	hypo	CHG	-0.1337
Gm16	2635173	2636034	Gmdrm	hypo	CHG	-0.177
Gm16	2650555	2650698	Gmdrm	hypo	CHG	-0.0543
Gm16	2679992	2680211	Gmdrm	hypo	CHG	-0.8369
Gm16	2680736	2680840	Gmdrm	hypo	CHG	-0.7967
Gm16	2703674	2703787	Gmdrm	hypo	CHG	-0.51
Gm16	2722285	2722540	Gmdrm	hypo	CHG	-0.3794
Gm16	2735035	2735186	Gmdrm	hypo	CHG	-0.06
Gm16	2739784	2739841	Gmdrm	hypo	CHG	-0.052
Gm16	2749211	2749373	Gmdrm	hypo	CHG	-0.295
Gm16	2768596	2768692	Gmdrm	hypo	CHG	-0.05
Gm16	2775636	2775771	Gmdrm	hypo	CHG	-0.1786
Gm16	2800465	2800573	Gmdrm	hypo	CHG	-0.898
Gm16	2836006	2836132	Gmdrm	hypo	CHG	-0.2467
Gm16	2836441	2836510	Gmdrm	hypo	CHG	-0.8514
Gm16	2838889	2839142	Gmdrm	hypo	CHG	-0.0312
Gm16	2861012	2861139	Gmdrm	hypo	CHG	-0.848
Gm16	2862033	2862082	Gmdrm	hypo	CHG	-0.8467
Gm16	2864362	2864889	Gmdrm	hypo	CHG	-0.1707
Gm16	2871381	2871471	Gmdrm	hypo	CHG	-0.7417
Gm16	2871703	2871813	Gmdrm	hypo	CHG	-0.8424
Gm16	2871974	2872086	Gmdrm	hypo	CHG	-0.565
Gm16	2872211	2872482	Gmdrm	hypo	CHG	-0.26
Gm16	2872678	2872780	Gmdrm	hypo	CHG	-0.218
Gm16	2873225	2873358	Gmdrm	hypo	CHG	-0.1893
Gm16	2874297	2874393	Gmdrm	hypo	CHG	-0.266
Gm16	2875161	2875485	Gmdrm	hypo	CHG	-0.6974
Gm16	2882337	2882780	Gmdrm	hypo	CHG	-0.336
Gm16	2909230	2909739	Gmdrm	hypo	CHG	-0.3876
Gm16	2920673	2921061	Gmdrm	hypo	CHG	-0.8021
Gm16	2931087	2931409	Gmdrm	hypo	CHG	-0.5014
Gm16	2931543	2931691	Gmdrm	hypo	CHG	-0.4192
Gm16	2952794	2953018	Gmdrm	hypo	CHG	-0.6991
Gm16	2977620	2977737	Gmdrm	hypo	CHG	-0.0828
Gm16	2978896	2979027	Gmdrm	hypo	CHG	-0.6371

Gm16	2979180	2979379	Gmdrm	hypo	CHG	-0.045
Gm16	2996034	2996245	Gmdrm	hypo	CHG	-0.2667
Gm16	2996870	2997330	Gmdrm	hypo	CHG	-0.4731
Gm16	2998346	2998354	Gmdrm	hypo	CHG	-0.5217
Gm16	2999231	2999583	Gmdrm	hypo	CHG	-0.4412
Gm16	3025453	3026408	Gmdrm	hypo	CHG	-0.6848
Gm16	3032263	3032629	Gmdrm	hypo	CHG	-0.5367
Gm16	3038614	3038918	Gmdrm	hypo	CHG	-0.0486
Gm16	3055645	3055913	Gmdrm	hypo	CHG	-0.0627
Gm16	3070202	3070633	Gmdrm	hypo	CHG	-0.4838
Gm16	3091218	3091373	Gmdrm	hypo	CHG	-0.036
Gm16	3123552	3123908	Gmdrm	hypo	CHG	-0.0391
Gm16	3128813	3129059	Gmdrm	hypo	CHG	-0.1884
Gm16	3129163	3129434	Gmdrm	hypo	CHG	-0.0625
Gm16	3149357	3149665	Gmdrm	hypo	CHG	-0.5489
Gm16	3169486	3169580	Gmdrm	hypo	CHG	-0.5386
Gm16	3188277	3188398	Gmdrm	hypo	CHG	-0.7729
Gm16	3188721	3188856	Gmdrm	hypo	CHG	-0.905
Gm16	3212805	3212920	Gmdrm	hypo	CHG	-0.03
Gm16	3268204	3268363	Gmdrm	hypo	CHG	-0.568
Gm16	3291258	3291313	Gmdrm	hypo	CHG	-0.5267
Gm16	3291631	3291770	Gmdrm	hypo	CHG	-0.3817
Gm16	3292867	3293002	Gmdrm	hypo	CHG	-0.164
Gm16	3293161	3293616	Gmdrm	hypo	CHG	-0.6884
Gm16	3300728	3300866	Gmdrm	hypo	CHG	-0.094
Gm16	3325308	3325493	Gmdrm	hypo	CHG	-0.0729
Gm16	3334370	3334725	Gmdrm	hypo	CHG	-0.0449
Gm16	3342413	3342598	Gmdrm	hypo	CHG	-0.0344
Gm16	3346967	3347043	Gmdrm	hypo	CHG	-0.912
Gm16	3347643	3347821	Gmdrm	hypo	CHG	-0.4717
Gm16	3348093	3348273	Gmdrm	hypo	CHG	-0.4872
Gm16	3376878	3377012	Gmdrm	hypo	CHG	-0.48
Gm16	3377147	3377299	Gmdrm	hypo	CHG	-0.924
Gm16	3407423	3407600	Gmdrm	hypo	CHG	-0.1615
Gm16	3419213	3419313	Gmdrm	hypo	CHG	-0.072
Gm16	3457190	3457370	Gmdrm	hypo	CHG	-0.54
Gm16	3461958	3462333	Gmdrm	hypo	CHG	-0.1178
Gm16	3474116	3474506	Gmdrm	hypo	CHG	-0.2665
Gm16	3475453	3476381	Gmdrm	hypo	CHG	-0.1707
Gm16	3476607	3476860	Gmdrm	hypo	CHG	-0.2978
Gm16	3494146	3494391	Gmdrm	hypo	CHG	-0.1655
Gm16	3513562	3513647	Gmdrm	hypo	CHG	-0.4771
Gm16	3514323	3514425	Gmdrm	hypo	CHG	-0.4738
Gm16	3515082	3515337	Gmdrm	hypo	CHG	-0.5422
Gm16	3515450	3515520	Gmdrm	hypo	CHG	-0.7083
Gm16	3544639	3544839	Gmdrm	hypo	CHG	-0.038

Gm16	3547428	3547577 Gmdrm	hypo	CHG	-0.1151
Gm16	3549212	3549409 Gmdrm	hypo	CHG	-0.595
Gm16	3549670	3550011 Gmdrm	hypo	CHG	-0.6646
Gm16	3553065	3553242 Gmdrm	hypo	CHG	-0.0617
Gm16	3553367	3553468 Gmdrm	hypo	CHG	-0.132
Gm16	3553570	3553851 Gmdrm	hypo	CHG	-0.0783
Gm16	3568095	3568113 Gmdrm	hypo	CHG	-0.145
Gm16	3569608	3569734 Gmdrm	hypo	CHG	-0.305
Gm16	3580220	3580334 Gmdrm	hypo	CHG	-0.5326
Gm16	3603642	3603672 Gmdrm	hypo	CHG	-0.078
Gm16	3607738	3607876 Gmdrm	hypo	CHG	-0.0558
Gm16	3613854	3614061 Gmdrm	hypo	CHG	-0.0467
Gm16	3617604	3617755 Gmdrm	hypo	CHG	-0.7613
Gm16	3618734	3618870 Gmdrm	hypo	CHG	-0.1256
Gm16	3646172	3646293 Gmdrm	hypo	CHG	-0.6984
Gm16	3646588	3646672 Gmdrm	hypo	CHG	-0.43
Gm16	3648156	3648197 Gmdrm	hypo	CHG	-0.424
Gm16	3661582	3661869 Gmdrm	hypo	CHG	-0.3784
Gm16	3662039	3662326 Gmdrm	hypo	CHG	-0.3654
Gm16	3662875	3662922 Gmdrm	hypo	CHG	-0.506
Gm16	3684208	3684497 Gmdrm	hypo	CHG	-0.8928
Gm16	3698234	3698254 Gmdrm	hypo	CHG	-0.252
Gm16	3710837	3711001 Gmdrm	hypo	CHG	-0.0588
Gm16	3717329	3717642 Gmdrm	hypo	CHG	-0.6559
Gm16	3717796	3717969 Gmdrm	hypo	CHG	-0.7133
Gm16	3733604	3733691 Gmdrm	hypo	CHG	-0.04
Gm16	3734909	3734917 Gmdrm	hypo	CHG	-0.126
Gm16	3735119	3735154 Gmdrm	hypo	CHG	-0.0633
Gm16	3743284	3743406 Gmdrm	hypo	CHG	-0.0515
Gm16	3759362	3759429 Gmdrm	hypo	CHG	-0.5933
Gm16	3759663	3759792 Gmdrm	hypo	CHG	-0.7675
Gm16	3763800	3763918 Gmdrm	hypo	CHG	-0.0566
Gm16	3766826	3766859 Gmdrm	hypo	CHG	-0.9076
Gm16	3767038	3767223 Gmdrm	hypo	CHG	-0.7829
Gm16	3785158	3785234 Gmdrm	hypo	CHG	-0.58
Gm16	3788195	3788629 Gmdrm	hypo	CHG	-0.4686
Gm16	3789403	3789724 Gmdrm	hypo	CHG	-0.4414
Gm16	3796154	3796370 Gmdrm	hypo	CHG	-0.8616
Gm16	3828401	3828684 Gmdrm	hypo	CHG	-0.5
Gm16	3854215	3854865 Gmdrm	hypo	CHG	-0.2076
Gm16	3857069	3857245 Gmdrm	hypo	CHG	-0.545
Gm16	3857728	3857902 Gmdrm	hypo	CHG	-0.27
Gm16	3893536	3893875 Gmdrm	hypo	CHG	-0.0433
Gm16	3923129	3923244 Gmdrm	hypo	CHG	-0.0313
Gm16	3924473	3924694 Gmdrm	hypo	CHG	-0.132
Gm16	3937254	3937366 Gmdrm	hypo	CHG	-0.3467

Gm16	3938838	3939227	Gmdrm	hypo	CHG	-0.62
Gm16	3944834	3944982	Gmdrm	hypo	CHG	-0.8089
Gm16	3955539	3955699	Gmdrm	hypo	CHG	-0.0433
Gm16	3967113	3967176	Gmdrm	hypo	CHG	-0.038
Gm16	3973487	3973641	Gmdrm	hypo	CHG	-0.3178
Gm16	3982447	3982660	Gmdrm	hypo	CHG	-0.6984
Gm16	3986179	3986434	Gmdrm	hypo	CHG	-0.2689
Gm16	4024069	4024129	Gmdrm	hypo	CHG	-0.8787
Gm16	4042636	4042717	Gmdrm	hypo	CHG	-0.1567
Gm16	4066201	4066268	Gmdrm	hypo	CHG	-0.82
Gm16	4071067	4071101	Gmdrm	hypo	CHG	-0.2933
Gm16	4083833	4083871	Gmdrm	hypo	CHG	-0.67
Gm16	4083981	4084111	Gmdrm	hypo	CHG	-0.454
Gm16	4086034	4086299	Gmdrm	hypo	CHG	-0.3024
Gm16	4086555	4087240	Gmdrm	hypo	CHG	-0.281
Gm16	4098117	4098485	Gmdrm	hypo	CHG	-0.8667
Gm16	4098717	4098859	Gmdrm	hypo	CHG	-0.92
Gm16	4099191	4099607	Gmdrm	hypo	CHG	-0.7077
Gm16	4101289	4101307	Gmdrm	hypo	CHG	-0.036
Gm16	4122668	4122803	Gmdrm	hypo	CHG	-0.0287
Gm16	4124309	4124409	Gmdrm	hypo	CHG	-0.7022
Gm16	4124576	4124707	Gmdrm	hypo	CHG	-0.329
Gm16	4125425	4125520	Gmdrm	hypo	CHG	-0.5901
Gm16	4138090	4138273	Gmdrm	hypo	CHG	-0.5591
Gm16	4158355	4158588	Gmdrm	hypo	CHG	-0.27
Gm16	4176613	4176788	Gmdrm	hypo	CHG	-0.4911
Gm16	4180812	4180997	Gmdrm	hypo	CHG	-0.6776
Gm16	4184863	4185152	Gmdrm	hypo	CHG	-0.0355
Gm16	4196229	4196517	Gmdrm	hypo	CHG	-0.0208
Gm16	4201964	4202121	Gmdrm	hypo	CHG	-0.126
Gm16	4203306	4203361	Gmdrm	hypo	CHG	-0.4833
Gm16	4204345	4204778	Gmdrm	hypo	CHG	-0.2048
Gm16	4206283	4206462	Gmdrm	hypo	CHG	-0.5238
Gm16	4208276	4208733	Gmdrm	hypo	CHG	-0.1895
Gm16	4231799	4231974	Gmdrm	hypo	CHG	-0.6808
Gm16	4233076	4233224	Gmdrm	hypo	CHG	-0.2477
Gm16	4239217	4239287	Gmdrm	hypo	CHG	-0.5843
Gm16	4247443	4247552	Gmdrm	hypo	CHG	-0.238
Gm16	4249674	4249800	Gmdrm	hypo	CHG	-0.3521
Gm16	4249942	4250060	Gmdrm	hypo	CHG	-0.2783
Gm16	4250328	4250388	Gmdrm	hypo	CHG	-0.2917
Gm16	4258275	4258383	Gmdrm	hypo	CHG	-0.422
Gm16	4264203	4264363	Gmdrm	hypo	CHG	-0.1417
Gm16	4275747	4275938	Gmdrm	hypo	CHG	-0.6928
Gm16	4298766	4298859	Gmdrm	hypo	CHG	-0.14
Gm16	4306641	4306982	Gmdrm	hypo	CHG	-0.2565

Gm16	4336988	4337054	Gmdrm	hypo	CHG	-0.0567
Gm16	4365696	4365751	Gmdrm	hypo	CHG	-0.038
Gm16	4379869	4379962	Gmdrm	hypo	CHG	-0.046
Gm16	4386344	4386543	Gmdrm	hypo	CHG	-0.7946
Gm16	4394108	4394327	Gmdrm	hypo	CHG	-0.0214
Gm16	4406948	4407018	Gmdrm	hypo	CHG	-0.5216
Gm16	4412062	4412197	Gmdrm	hypo	CHG	-0.6388
Gm16	4413419	4413817	Gmdrm	hypo	CHG	-0.0376
Gm16	4418056	4418246	Gmdrm	hypo	CHG	-0.05
Gm16	4436608	4436757	Gmdrm	hypo	CHG	-0.622
Gm16	4437097	4437167	Gmdrm	hypo	CHG	-0.606
Gm16	4437315	4437638	Gmdrm	hypo	CHG	-0.3716
Gm16	4437835	4437920	Gmdrm	hypo	CHG	-0.4429
Gm16	4438241	4438411	Gmdrm	hypo	CHG	-0.7445
Gm16	4439197	4439243	Gmdrm	hypo	CHG	-0.7375
Gm16	4439598	4439787	Gmdrm	hypo	CHG	-0.66
Gm16	4472802	4473050	Gmdrm	hypo	CHG	-0.596
Gm16	4473199	4473644	Gmdrm	hypo	CHG	-0.6736
Gm16	4474156	4474268	Gmdrm	hypo	CHG	-0.77
Gm16	4484163	4484604	Gmdrm	hypo	CHG	-0.4485
Gm16	4486346	4486467	Gmdrm	hypo	CHG	-0.243
Gm16	4492253	4492447	Gmdrm	hypo	CHG	-0.108
Gm16	4496442	4496510	Gmdrm	hypo	CHG	-0.405
Gm16	4501158	4501238	Gmdrm	hypo	CHG	-0.794
Gm16	4501543	4501668	Gmdrm	hypo	CHG	-0.8288
Gm16	4509144	4509177	Gmdrm	hypo	CHG	-0.0733
Gm16	4511450	4511549	Gmdrm	hypo	CHG	-0.106
Gm16	4512215	4512799	Gmdrm	hypo	CHG	-0.1508
Gm16	4513133	4513273	Gmdrm	hypo	CHG	-0.4129
Gm16	4516025	4516338	Gmdrm	hypo	CHG	-0.2443
Gm16	4521038	4521212	Gmdrm	hypo	CHG	-0.7829
Gm16	4541808	4542063	Gmdrm	hypo	CHG	-0.7436
Gm16	4544443	4544592	Gmdrm	hypo	CHG	-0.3933
Gm16	4551862	4552083	Gmdrm	hypo	CHG	-0.8242
Gm16	4552889	4553054	Gmdrm	hypo	CHG	-0.8415
Gm16	4560239	4560359	Gmdrm	hypo	CHG	-0.055
Gm16	4575069	4575449	Gmdrm	hypo	CHG	-0.295
Gm16	4576445	4576859	Gmdrm	hypo	CHG	-0.2153
Gm16	4577082	4577195	Gmdrm	hypo	CHG	-0.3725
Gm16	4577705	4578108	Gmdrm	hypo	CHG	-0.3824
Gm16	4578216	4578272	Gmdrm	hypo	CHG	-0.2383
Gm16	4579287	4579480	Gmdrm	hypo	CHG	-0.1931
Gm16	4581378	4581728	Gmdrm	hypo	CHG	-0.1892
Gm16	4604152	4604300	Gmdrm	hypo	CHG	-0.2183
Gm16	4604551	4604658	Gmdrm	hypo	CHG	-0.4072
Gm16	4604998	4605051	Gmdrm	hypo	CHG	-0.545

Gm16	4605235	4605331 Gmdrm	hypo	CHG	-0.128
Gm16	4608549	4608847 Gmdrm	hypo	CHG	-0.3618
Gm16	4616610	4616812 Gmdrm	hypo	CHG	-0.5255
Gm16	4617387	4617498 Gmdrm	hypo	CHG	-0.5287
Gm16	4634088	4634200 Gmdrm	hypo	CHG	-0.5475
Gm16	4634521	4634626 Gmdrm	hypo	CHG	-0.3214
Gm16	4634877	4635025 Gmdrm	hypo	CHG	-0.16
Gm16	4639290	4639421 Gmdrm	hypo	CHG	-0.0933
Gm16	4639553	4640302 Gmdrm	hypo	CHG	-0.2298
Gm16	4642260	4642370 Gmdrm	hypo	CHG	-0.1867
Gm16	4642664	4643148 Gmdrm	hypo	CHG	-0.3806
Gm16	4644201	4644441 Gmdrm	hypo	CHG	-0.51
Gm16	4647635	4647688 Gmdrm	hypo	CHG	-0.5417
Gm16	4648034	4648139 Gmdrm	hypo	CHG	-0.318
Gm16	4648390	4648538 Gmdrm	hypo	CHG	-0.2275
Gm16	4653477	4653549 Gmdrm	hypo	CHG	-0.8588
Gm16	4655677	4656146 Gmdrm	hypo	CHG	-0.7547
Gm16	4661701	4662039 Gmdrm	hypo	CHG	-0.2474
Gm16	4671122	4671179 Gmdrm	hypo	CHG	-0.84
Gm16	4672340	4672474 Gmdrm	hypo	CHG	-0.6885
Gm16	4696978	4697102 Gmdrm	hypo	CHG	-0.5657
Gm16	4705320	4705539 Gmdrm	hypo	CHG	-0.8039
Gm16	4708898	4709019 Gmdrm	hypo	CHG	-0.82
Gm16	4709186	4709220 Gmdrm	hypo	CHG	-0.865
Gm16	4709359	4709473 Gmdrm	hypo	CHG	-0.4858
Gm16	4709829	4710177 Gmdrm	hypo	CHG	-0.064
Gm16	4773552	4773636 Gmdrm	hypo	CHG	-0.7367
Gm16	4778052	4778146 Gmdrm	hypo	CHG	-0.1586
Gm16	4778832	4778998 Gmdrm	hypo	CHG	-0.095
Gm16	4779261	4779505 Gmdrm	hypo	CHG	-0.0706
Gm16	4781267	4781479 Gmdrm	hypo	CHG	-0.7
Gm16	4781828	4782147 Gmdrm	hypo	CHG	-0.7258
Gm16	4782249	4782358 Gmdrm	hypo	CHG	-0.696
Gm16	4782642	4782807 Gmdrm	hypo	CHG	-0.2658
Gm16	4783165	4783224 Gmdrm	hypo	CHG	-0.1253
Gm16	4786954	4787509 Gmdrm	hypo	CHG	-0.1391
Gm16	4793865	4793988 Gmdrm	hypo	CHG	-0.9128
Gm16	4794660	4794804 Gmdrm	hypo	CHG	-0.42
Gm16	4801149	4801376 Gmdrm	hypo	CHG	-0.5827
Gm16	4801843	4802184 Gmdrm	hypo	CHG	-0.4492
Gm16	4835976	4836173 Gmdrm	hypo	CHG	-0.7618
Gm16	4846448	4846580 Gmdrm	hypo	CHG	-0.03
Gm16	4850091	4850151 Gmdrm	hypo	CHG	-0.0714
Gm16	4858590	4858654 Gmdrm	hypo	CHG	-0.8057
Gm16	4858888	4858942 Gmdrm	hypo	CHG	-0.6117
Gm16	4875269	4875447 Gmdrm	hypo	CHG	-0.19

Gm16	4876774	4876978 Gmdrm	hypo	CHG	-0.4921
Gm16	4885887	4885956 Gmdrm	hypo	CHG	-0.652
Gm16	4887623	4887671 Gmdrm	hypo	CHG	-0.9014
Gm16	4888107	4888185 Gmdrm	hypo	CHG	-0.504
Gm16	4905934	4906323 Gmdrm	hypo	CHG	-0.04
Gm16	4906620	4906730 Gmdrm	hypo	CHG	-0.3237
Gm16	4907669	4907802 Gmdrm	hypo	CHG	-0.74
Gm16	4908242	4908368 Gmdrm	hypo	CHG	-0.654
Gm16	4912749	4913008 Gmdrm	hypo	CHG	-0.053
Gm16	4916753	4916903 Gmdrm	hypo	CHG	-0.038
Gm16	4923381	4923502 Gmdrm	hypo	CHG	-0.0528
Gm16	4924621	4924872 Gmdrm	hypo	CHG	-0.2767
Gm16	4939259	4939483 Gmdrm	hypo	CHG	-0.04
Gm16	4966439	4966503 Gmdrm	hypo	CHG	-0.454
Gm16	4972123	4972326 Gmdrm	hypo	CHG	-0.8584
Gm16	4972971	4973021 Gmdrm	hypo	CHG	-0.854
Gm16	4987298	4987410 Gmdrm	hypo	CHG	-0.545
Gm16	5037288	5037859 Gmdrm	hypo	CHG	-0.3886
Gm16	5039107	5039149 Gmdrm	hypo	CHG	-0.8823
Gm16	5039255	5039290 Gmdrm	hypo	CHG	-0.464
Gm16	5076424	5076939 Gmdrm	hypo	CHG	-0.3335
Gm16	5107564	5107627 Gmdrm	hypo	CHG	-0.374
Gm16	5109609	5109660 Gmdrm	hypo	CHG	-0.056
Gm16	5112994	5113021 Gmdrm	hypo	CHG	-0.04
Gm16	5119926	5120267 Gmdrm	hypo	CHG	-0.2395
Gm16	5120488	5120735 Gmdrm	hypo	CHG	-0.26
Gm16	5132468	5133085 Gmdrm	hypo	CHG	-0.223
Gm16	5147431	5147919 Gmdrm	hypo	CHG	-0.187
Gm16	5161313	5161566 Gmdrm	hypo	CHG	-0.4149
Gm16	5193949	5194109 Gmdrm	hypo	CHG	-0.2224
Gm16	5234038	5234230 Gmdrm	hypo	CHG	-0.7667
Gm16	5272958	5273321 Gmdrm	hypo	CHG	-0.9
Gm16	5273470	5273559 Gmdrm	hypo	CHG	-0.87
Gm16	5273735	5273805 Gmdrm	hypo	CHG	-0.104
Gm16	5291234	5291587 Gmdrm	hypo	CHG	-0.4558
Gm16	5291912	5292344 Gmdrm	hypo	CHG	-0.0515
Gm16	5298010	5298128 Gmdrm	hypo	CHG	-0.61
Gm16	5309399	5309513 Gmdrm	hypo	CHG	-0.6267
Gm16	5314852	5314907 Gmdrm	hypo	CHG	-0.2917
Gm16	5316556	5316830 Gmdrm	hypo	CHG	-0.612
Gm16	5331632	5331727 Gmdrm	hypo	CHG	-0.3445
Gm16	5357438	5357490 Gmdrm	hypo	CHG	-0.68
Gm16	5360002	5360094 Gmdrm	hypo	CHG	-0.2275
Gm16	5365968	5366261 Gmdrm	hypo	CHG	-0.3
Gm16	5381252	5382230 Gmdrm	hypo	CHG	-0.2274
Gm16	5389210	5389250 Gmdrm	hypo	CHG	-0.062

Gm16	5444995	5445087	Gmdrm	hypo	CHG	-0.8043
Gm16	5445196	5445275	Gmdrm	hypo	CHG	-0.872
Gm16	5474622	5474973	Gmdrm	hypo	CHG	-0.59
Gm16	5476471	5476546	Gmdrm	hypo	CHG	-0.7357
Gm16	5479200	5479561	Gmdrm	hypo	CHG	-0.5622
Gm16	5479681	5479940	Gmdrm	hypo	CHG	-0.7684
Gm16	5483251	5483469	Gmdrm	hypo	CHG	-0.0229
Gm16	5484012	5484273	Gmdrm	hypo	CHG	-0.0667
Gm16	5490702	5490731	Gmdrm	hypo	CHG	-0.41
Gm16	5493248	5493456	Gmdrm	hypo	CHG	-0.044
Gm16	5499803	5500005	Gmdrm	hypo	CHG	-0.5422
Gm16	5509339	5509477	Gmdrm	hypo	CHG	-0.0733
Gm16	5527436	5527787	Gmdrm	hypo	CHG	-0.0562
Gm16	5531517	5531614	Gmdrm	hypo	CHG	-0.6162
Gm16	5537842	5537884	Gmdrm	hypo	CHG	-0.2266
Gm16	5541532	5541673	Gmdrm	hypo	CHG	-0.0238
Gm16	5547240	5547332	Gmdrm	hypo	CHG	-0.838
Gm16	5550413	5550556	Gmdrm	hypo	CHG	-0.3533
Gm16	5550700	5551012	Gmdrm	hypo	CHG	-0.491
Gm16	5551273	5551361	Gmdrm	hypo	CHG	-0.615
Gm16	5565955	5566137	Gmdrm	hypo	CHG	-0.4544
Gm16	5571539	5571637	Gmdrm	hypo	CHG	-0.3317
Gm16	5573432	5573510	Gmdrm	hypo	CHG	-0.4537
Gm16	5573884	5574092	Gmdrm	hypo	CHG	-0.58
Gm16	5581621	5581981	Gmdrm	hypo	CHG	-0.66
Gm16	5588660	5588918	Gmdrm	hypo	CHG	-0.6223
Gm16	5589260	5589329	Gmdrm	hypo	CHG	-0.686
Gm16	5589473	5589511	Gmdrm	hypo	CHG	-0.64
Gm16	5596648	5596676	Gmdrm	hypo	CHG	-0.542
Gm16	5607147	5607548	Gmdrm	hypo	CHG	-0.7711
Gm16	5610947	5611030	Gmdrm	hypo	CHG	-0.2971
Gm16	5612066	5612209	Gmdrm	hypo	CHG	-0.2433
Gm16	5613527	5613656	Gmdrm	hypo	CHG	-0.7087
Gm16	5615634	5616084	Gmdrm	hypo	CHG	-0.2325
Gm16	5627629	5627800	Gmdrm	hypo	CHG	-0.146
Gm16	5628603	5628792	Gmdrm	hypo	CHG	-0.5113
Gm16	5632991	5633225	Gmdrm	hypo	CHG	-0.7444
Gm16	5638631	5638869	Gmdrm	hypo	CHG	-0.55
Gm16	5639023	5639076	Gmdrm	hypo	CHG	-0.8884
Gm16	5639374	5639589	Gmdrm	hypo	CHG	-0.8419
Gm16	5639741	5639997	Gmdrm	hypo	CHG	-0.0733
Gm16	5659743	5660400	Gmdrm	hypo	CHG	-0.6063
Gm16	5660537	5660653	Gmdrm	hypo	CHG	-0.3433
Gm16	5670493	5670810	Gmdrm	hypo	CHG	-0.2385
Gm16	5678414	5678566	Gmdrm	hypo	CHG	-0.322
Gm16	5678849	5678999	Gmdrm	hypo	CHG	-0.4038

Gm16	5682663	5682888 Gmdrm	hypo	CHG	-0.2637
Gm16	5683239	5683424 Gmdrm	hypo	CHG	-0.35
Gm16	5711448	5711645 Gmdrm	hypo	CHG	-0.0272
Gm16	5713366	5713712 Gmdrm	hypo	CHG	-0.3366
Gm16	5714107	5714335 Gmdrm	hypo	CHG	-0.383
Gm16	5721699	5721781 Gmdrm	hypo	CHG	-0.32
Gm16	5731427	5732108 Gmdrm	hypo	CHG	-0.7433
Gm16	5732219	5732329 Gmdrm	hypo	CHG	-0.5685
Gm16	5736204	5736326 Gmdrm	hypo	CHG	-0.1163
Gm16	5753910	5754066 Gmdrm	hypo	CHG	-0.2215
Gm16	5754722	5754990 Gmdrm	hypo	CHG	-0.0685
Gm16	5757924	5758152 Gmdrm	hypo	CHG	-0.042
Gm16	5759172	5759381 Gmdrm	hypo	CHG	-0.125
Gm16	5759669	5760171 Gmdrm	hypo	CHG	-0.0546
Gm16	5762535	5762664 Gmdrm	hypo	CHG	-0.1045
Gm16	5769355	5769426 Gmdrm	hypo	CHG	-0.4816
Gm16	5780147	5780459 Gmdrm	hypo	CHG	-0.4337
Gm16	5784133	5784254 Gmdrm	hypo	CHG	-0.6583
Gm16	5787038	5787157 Gmdrm	hypo	CHG	-0.6414
Gm16	5787432	5787978 Gmdrm	hypo	CHG	-0.6641
Gm16	5812871	5812961 Gmdrm	hypo	CHG	-0.4933
Gm16	5813829	5813925 Gmdrm	hypo	CHG	-0.656
Gm16	5825007	5825338 Gmdrm	hypo	CHG	-0.7512
Gm16	5827808	5828193 Gmdrm	hypo	CHG	-0.6007
Gm16	5837274	5837400 Gmdrm	hypo	CHG	-0.6014
Gm16	5857472	5857858 Gmdrm	hypo	CHG	-0.0836
Gm16	5889056	5889159 Gmdrm	hypo	CHG	-0.4683
Gm16	5890272	5890359 Gmdrm	hypo	CHG	-0.7584
Gm16	5890868	5890954 Gmdrm	hypo	CHG	-0.8233
Gm16	5893445	5893792 Gmdrm	hypo	CHG	-0.03
Gm16	5896179	5896275 Gmdrm	hypo	CHG	-0.21
Gm16	5896921	5897013 Gmdrm	hypo	CHG	-0.7622
Gm16	5897168	5897253 Gmdrm	hypo	CHG	-0.6485
Gm16	5900421	5900621 Gmdrm	hypo	CHG	-0.6282
Gm16	5916956	5917700 Gmdrm	hypo	CHG	-0.2873
Gm16	5934377	5934635 Gmdrm	hypo	CHG	-0.0438
Gm16	5949826	5950118 Gmdrm	hypo	CHG	-0.3789
Gm16	5973039	5973280 Gmdrm	hypo	CHG	-0.04
Gm16	5988286	5988773 Gmdrm	hypo	CHG	-0.5221
Gm16	5988890	5989222 Gmdrm	hypo	CHG	-0.6537
Gm16	5990644	5990913 Gmdrm	hypo	CHG	-0.6665
Gm16	5991099	5991358 Gmdrm	hypo	CHG	-0.105
Gm16	6007594	6008270 Gmdrm	hypo	CHG	-0.4451
Gm16	6018132	6018333 Gmdrm	hypo	CHG	-0.0467
Gm16	6043082	6043458 Gmdrm	hypo	CHG	-0.3933
Gm16	6044513	6044638 Gmdrm	hypo	CHG	-0.4728

Gm16	6044997	6045151 Gmdrm	hypo	CHG	-0.698
Gm16	6058500	6058574 Gmdrm	hypo	CHG	-0.115
Gm16	6063610	6063927 Gmdrm	hypo	CHG	-0.5063
Gm16	6086595	6086771 Gmdrm	hypo	CHG	-0.3046
Gm16	6090462	6090702 Gmdrm	hypo	CHG	-0.7041
Gm16	6094689	6094807 Gmdrm	hypo	CHG	-0.75
Gm16	6095014	6095130 Gmdrm	hypo	CHG	-0.1914
Gm16	6100072	6100334 Gmdrm	hypo	CHG	-0.8504
Gm16	6103671	6104215 Gmdrm	hypo	CHG	-0.3005
Gm16	6105451	6105661 Gmdrm	hypo	CHG	-0.4145
Gm16	6106247	6106426 Gmdrm	hypo	CHG	-0.6566
Gm16	6111727	6111821 Gmdrm	hypo	CHG	-0.35
Gm16	6113761	6113927 Gmdrm	hypo	CHG	-0.358
Gm16	6123743	6123832 Gmdrm	hypo	CHG	-0.618
Gm16	6126485	6126819 Gmdrm	hypo	CHG	-0.6887
Gm16	6127012	6127302 Gmdrm	hypo	CHG	-0.3319
Gm16	6127551	6127643 Gmdrm	hypo	CHG	-0.155
Gm16	6151400	6151554 Gmdrm	hypo	CHG	-0.096
Gm16	6152203	6152420 Gmdrm	hypo	CHG	-0.1226
Gm16	6159898	6160003 Gmdrm	hypo	CHG	-0.6017
Gm16	6163217	6163325 Gmdrm	hypo	CHG	-0.7507
Gm16	6163662	6163677 Gmdrm	hypo	CHG	-0.795
Gm16	6176344	6176590 Gmdrm	hypo	CHG	-0.807
Gm16	6198243	6198558 Gmdrm	hypo	CHG	-0.034
Gm16	6200557	6200642 Gmdrm	hypo	CHG	-0.0434
Gm16	6209661	6209802 Gmdrm	hypo	CHG	-0.6
Gm16	6219431	6219592 Gmdrm	hypo	CHG	-0.4517
Gm16	6220894	6221031 Gmdrm	hypo	CHG	-0.54
Gm16	6221644	6221834 Gmdrm	hypo	CHG	-0.63
Gm16	6222315	6222475 Gmdrm	hypo	CHG	-0.3982
Gm16	6223779	6223972 Gmdrm	hypo	CHG	-0.0217
Gm16	6232320	6232395 Gmdrm	hypo	CHG	-0.8429
Gm16	6232645	6232701 Gmdrm	hypo	CHG	-0.338
Gm16	6234484	6234583 Gmdrm	hypo	CHG	-0.1433
Gm16	6243526	6243584 Gmdrm	hypo	CHG	-0.8128
Gm16	6245392	6245534 Gmdrm	hypo	CHG	-0.6045
Gm16	6246137	6246363 Gmdrm	hypo	CHG	-0.0312
Gm16	6246851	6246968 Gmdrm	hypo	CHG	-0.3691
Gm16	6264501	6264830 Gmdrm	hypo	CHG	-0.5667
Gm16	6275108	6275459 Gmdrm	hypo	CHG	-0.4278
Gm16	6284314	6284357 Gmdrm	hypo	CHG	-0.8387
Gm16	6290423	6290531 Gmdrm	hypo	CHG	-0.0376
Gm16	6290830	6291018 Gmdrm	hypo	CHG	-0.8269
Gm16	6291225	6291246 Gmdrm	hypo	CHG	-0.0833
Gm16	6294953	6295102 Gmdrm	hypo	CHG	-0.4325
Gm16	6295604	6295684 Gmdrm	hypo	CHG	-0.5583

Gm16	6307619	6307696 Gmdrm	hypo	CHG	-0.5129
Gm16	6308169	6308343 Gmdrm	hypo	CHG	-0.4455
Gm16	6310248	6311087 Gmdrm	hypo	CHG	-0.5124
Gm16	6311644	6311857 Gmdrm	hypo	CHG	-0.0689
Gm16	6318920	6319008 Gmdrm	hypo	CHG	-0.2011
Gm16	6321909	6322066 Gmdrm	hypo	CHG	-0.2375
Gm16	6333021	6333122 Gmdrm	hypo	CHG	-0.3
Gm16	6349735	6349874 Gmdrm	hypo	CHG	-0.054
Gm16	6361347	6361478 Gmdrm	hypo	CHG	-0.2429
Gm16	6363213	6363454 Gmdrm	hypo	CHG	-0.4772
Gm16	6375956	6376126 Gmdrm	hypo	CHG	-0.319
Gm16	6377189	6377862 Gmdrm	hypo	CHG	-0.2367
Gm16	6387585	6387810 Gmdrm	hypo	CHG	-0.3292
Gm16	6395712	6395863 Gmdrm	hypo	CHG	-0.3525
Gm16	6397615	6397764 Gmdrm	hypo	CHG	-0.148
Gm16	6397869	6398048 Gmdrm	hypo	CHG	-0.243
Gm16	6403807	6403916 Gmdrm	hypo	CHG	-0.274
Gm16	6409543	6410144 Gmdrm	hypo	CHG	-0.1143
Gm16	6415339	6415793 Gmdrm	hypo	CHG	-0.3665
Gm16	6418486	6418751 Gmdrm	hypo	CHG	-0.463
Gm16	6419304	6419732 Gmdrm	hypo	CHG	-0.3381
Gm16	6423368	6423836 Gmdrm	hypo	CHG	-0.28
Gm16	6424129	6424396 Gmdrm	hypo	CHG	-0.253
Gm16	6432246	6432294 Gmdrm	hypo	CHG	-0.516
Gm16	6432495	6432508 Gmdrm	hypo	CHG	-0.09
Gm16	6434604	6434944 Gmdrm	hypo	CHG	-0.3021
Gm16	6445646	6445777 Gmdrm	hypo	CHG	-0.5485
Gm16	6447363	6447446 Gmdrm	hypo	CHG	-0.32
Gm16	6454305	6454391 Gmdrm	hypo	CHG	-0.1714
Gm16	6454513	6454637 Gmdrm	hypo	CHG	-0.4157
Gm16	6454744	6454837 Gmdrm	hypo	CHG	-0.5767
Gm16	6456398	6456637 Gmdrm	hypo	CHG	-0.119
Gm16	6471692	6471870 Gmdrm	hypo	CHG	-0.219
Gm16	6472002	6472149 Gmdrm	hypo	CHG	-0.9154
Gm16	6507273	6507374 Gmdrm	hypo	CHG	-0.29
Gm16	6516832	6516976 Gmdrm	hypo	CHG	-0.435
Gm16	6517238	6517721 Gmdrm	hypo	CHG	-0.6146
Gm16	6517892	6517927 Gmdrm	hypo	CHG	-0.36
Gm16	6518311	6518635 Gmdrm	hypo	CHG	-0.1027
Gm16	6519170	6519616 Gmdrm	hypo	CHG	-0.0427
Gm16	6523653	6523919 Gmdrm	hypo	CHG	-0.5755
Gm16	6568168	6568446 Gmdrm	hypo	CHG	-0.599
Gm16	6568572	6568711 Gmdrm	hypo	CHG	-0.5565
Gm16	6568813	6568930 Gmdrm	hypo	CHG	-0.4175
Gm16	6579723	6579908 Gmdrm	hypo	CHG	-0.2545
Gm16	6580066	6580828 Gmdrm	hypo	CHG	-0.6388

Gm16	6586682	6586775 Gmdrm	hypo	CHG	-0.1029
Gm16	6630402	6630525 Gmdrm	hypo	CHG	-0.2857
Gm16	6663234	6663362 Gmdrm	hypo	CHG	-0.2713
Gm16	6664767	6664834 Gmdrm	hypo	CHG	-0.2437
Gm16	6665290	6665371 Gmdrm	hypo	CHG	-0.492
Gm16	6665509	6665648 Gmdrm	hypo	CHG	-0.6967
Gm16	6684776	6684928 Gmdrm	hypo	CHG	-0.2187
Gm16	6685039	6685143 Gmdrm	hypo	CHG	-0.37
Gm16	6690541	6690879 Gmdrm	hypo	CHG	-0.057
Gm16	6697596	6697765 Gmdrm	hypo	CHG	-0.4934
Gm16	6701314	6701473 Gmdrm	hypo	CHG	-0.0814
Gm16	6705550	6705861 Gmdrm	hypo	CHG	-0.6546
Gm16	6705971	6706065 Gmdrm	hypo	CHG	-0.415
Gm16	6706738	6706862 Gmdrm	hypo	CHG	-0.573
Gm16	6712601	6713148 Gmdrm	hypo	CHG	-0.21
Gm16	6720393	6720641 Gmdrm	hypo	CHG	-0.48
Gm16	6721066	6721131 Gmdrm	hypo	CHG	-0.5214
Gm16	6732163	6732612 Gmdrm	hypo	CHG	-0.5286
Gm16	6737016	6737098 Gmdrm	hypo	CHG	-0.034
Gm16	6737794	6738118 Gmdrm	hypo	CHG	-0.3113
Gm16	6739837	6740027 Gmdrm	hypo	CHG	-0.1392
Gm16	6747394	6747679 Gmdrm	hypo	CHG	-0.4884
Gm16	6761236	6761372 Gmdrm	hypo	CHG	-0.3871
Gm16	6763041	6763956 Gmdrm	hypo	CHG	-0.1976
Gm16	6769071	6769407 Gmdrm	hypo	CHG	-0.6289
Gm16	6770178	6770421 Gmdrm	hypo	CHG	-0.5774
Gm16	6777535	6777703 Gmdrm	hypo	CHG	-0.2257
Gm16	6778154	6778289 Gmdrm	hypo	CHG	-0.756
Gm16	6787167	6787812 Gmdrm	hypo	CHG	-0.1223
Gm16	6793376	6793473 Gmdrm	hypo	CHG	-0.314
Gm16	6810420	6810500 Gmdrm	hypo	CHG	-0.2983
Gm16	6815271	6815520 Gmdrm	hypo	CHG	-0.39
Gm16	6823066	6823241 Gmdrm	hypo	CHG	-0.7525
Gm16	6823397	6823480 Gmdrm	hypo	CHG	-0.332
Gm16	6824519	6824791 Gmdrm	hypo	CHG	-0.8066
Gm16	6829659	6829762 Gmdrm	hypo	CHG	-0.22
Gm16	6830967	6831117 Gmdrm	hypo	CHG	-0.3673
Gm16	6834097	6834177 Gmdrm	hypo	CHG	-0.615
Gm16	6834283	6834591 Gmdrm	hypo	CHG	-0.3042
Gm16	6842694	6842760 Gmdrm	hypo	CHG	-0.4283
Gm16	6843221	6843601 Gmdrm	hypo	CHG	-0.2014
Gm16	6859216	6859642 Gmdrm	hypo	CHG	-0.4357
Gm16	6859875	6860192 Gmdrm	hypo	CHG	-0.5667
Gm16	6863468	6863624 Gmdrm	hypo	CHG	-0.5078
Gm16	6866010	6866064 Gmdrm	hypo	CHG	-0.7066
Gm16	6872719	6872859 Gmdrm	hypo	CHG	-0.5129

Gm16	6879374	6879630	Gmdrm	hypo	CHG	-0.3335
Gm16	6887596	6887724	Gmdrm	hypo	CHG	-0.679
Gm16	6893719	6893818	Gmdrm	hypo	CHG	-0.5571
Gm16	6894961	6895135	Gmdrm	hypo	CHG	-0.2978
Gm16	6902840	6902909	Gmdrm	hypo	CHG	-0.5417
Gm16	6904365	6904869	Gmdrm	hypo	CHG	-0.317
Gm16	6910520	6910920	Gmdrm	hypo	CHG	-0.3131
Gm16	6915207	6915633	Gmdrm	hypo	CHG	-0.1347
Gm16	6927787	6927897	Gmdrm	hypo	CHG	-0.41
Gm16	6928286	6928382	Gmdrm	hypo	CHG	-0.626
Gm16	6958819	6958883	Gmdrm	hypo	CHG	-0.5683
Gm16	6959031	6959106	Gmdrm	hypo	CHG	-0.896
Gm16	6967411	6967615	Gmdrm	hypo	CHG	-0.7736
Gm16	6977398	6977566	Gmdrm	hypo	CHG	-0.214
Gm16	6995328	6995433	Gmdrm	hypo	CHG	-0.7428
Gm16	6996090	6996270	Gmdrm	hypo	CHG	-0.1915
Gm16	6997891	6997976	Gmdrm	hypo	CHG	-0.36
Gm16	7011218	7011307	Gmdrm	hypo	CHG	-0.38
Gm16	7013368	7013775	Gmdrm	hypo	CHG	-0.175
Gm16	7014140	7014269	Gmdrm	hypo	CHG	-0.683
Gm16	7015572	7015679	Gmdrm	hypo	CHG	-0.044
Gm16	7033164	7033494	Gmdrm	hypo	CHG	-0.4884
Gm16	7033911	7034041	Gmdrm	hypo	CHG	-0.056
Gm16	7035618	7035805	Gmdrm	hypo	CHG	-0.054
Gm16	7037212	7037282	Gmdrm	hypo	CHG	-0.575
Gm16	7038393	7038541	Gmdrm	hypo	CHG	-0.2275
Gm16	7038684	7038794	Gmdrm	hypo	CHG	-0.6036
Gm16	7044030	7044999	Gmdrm	hypo	CHG	-0.1713
Gm16	7045798	7046747	Gmdrm	hypo	CHG	-0.1522
Gm16	7046880	7047278	Gmdrm	hypo	CHG	-0.2089
Gm16	7047678	7048677	Gmdrm	hypo	CHG	-0.2951
Gm16	7058592	7059050	Gmdrm	hypo	CHG	-0.1153
Gm16	7064591	7064944	Gmdrm	hypo	CHG	-0.2865
Gm16	7066936	7067028	Gmdrm	hypo	CHG	-0.18
Gm16	7067927	7068256	Gmdrm	hypo	CHG	-0.5323
Gm16	7068393	7068621	Gmdrm	hypo	CHG	-0.8058
Gm16	7069057	7069168	Gmdrm	hypo	CHG	-0.2983
Gm16	7083190	7083235	Gmdrm	hypo	CHG	-0.2417
Gm16	7089039	7089535	Gmdrm	hypo	CHG	-0.1714
Gm16	7090686	7090960	Gmdrm	hypo	CHG	-0.6631
Gm16	7096568	7096737	Gmdrm	hypo	CHG	-0.4261
Gm16	7113008	7113491	Gmdrm	hypo	CHG	-0.0367
Gm16	7140601	7140753	Gmdrm	hypo	CHG	-0.7564
Gm16	7141355	7141434	Gmdrm	hypo	CHG	-0.765
Gm16	7141544	7141632	Gmdrm	hypo	CHG	-0.72
Gm16	7142332	7142562	Gmdrm	hypo	CHG	-0.1063

Gm16	7143832	7143901 Gmdrm	hypo	CHG	-0.7066
Gm16	7144036	7144152 Gmdrm	hypo	CHG	-0.6826
Gm16	7152478	7152687 Gmdrm	hypo	CHG	-0.5129
Gm16	7155068	7155441 Gmdrm	hypo	CHG	-0.1742
Gm16	7157312	7157329 Gmdrm	hypo	CHG	-0.9417
Gm16	7157514	7157643 Gmdrm	hypo	CHG	-0.805
Gm16	7157784	7157976 Gmdrm	hypo	CHG	-0.5867
Gm16	7159684	7159809 Gmdrm	hypo	CHG	-0.6543
Gm16	7162339	7162465 Gmdrm	hypo	CHG	-0.2583
Gm16	7165316	7165453 Gmdrm	hypo	CHG	-0.3583
Gm16	7165672	7165803 Gmdrm	hypo	CHG	-0.695
Gm16	7181178	7181628 Gmdrm	hypo	CHG	-0.3956
Gm16	7181734	7181972 Gmdrm	hypo	CHG	-0.0622
Gm16	7184621	7184746 Gmdrm	hypo	CHG	-0.3438
Gm16	7198907	7199011 Gmdrm	hypo	CHG	-0.676
Gm16	7214275	7214399 Gmdrm	hypo	CHG	-0.3333
Gm16	7214517	7214784 Gmdrm	hypo	CHG	-0.4373
Gm16	7225862	7226529 Gmdrm	hypo	CHG	-0.0523
Gm16	7232143	7232314 Gmdrm	hypo	CHG	-0.5433
Gm16	7235078	7235298 Gmdrm	hypo	CHG	-0.13
Gm16	7283221	7284211 Gmdrm	hypo	CHG	-0.6134
Gm16	7284308	7284471 Gmdrm	hypo	CHG	-0.555
Gm16	7286227	7286515 Gmdrm	hypo	CHG	-0.257
Gm16	7294135	7294266 Gmdrm	hypo	CHG	-0.8886
Gm16	7306731	7306869 Gmdrm	hypo	CHG	-0.456
Gm16	7323892	7324025 Gmdrm	hypo	CHG	-0.6967
Gm16	7334377	7334434 Gmdrm	hypo	CHG	-0.4488
Gm16	7334804	7334940 Gmdrm	hypo	CHG	-0.7576
Gm16	7340013	7340157 Gmdrm	hypo	CHG	-0.553
Gm16	7367243	7367370 Gmdrm	hypo	CHG	-0.7075
Gm16	7372298	7372439 Gmdrm	hypo	CHG	-0.1958
Gm16	7372562	7372815 Gmdrm	hypo	CHG	-0.5123
Gm16	7378400	7378492 Gmdrm	hypo	CHG	-0.8815
Gm16	7378935	7379154 Gmdrm	hypo	CHG	-0.3322
Gm16	7383063	7383652 Gmdrm	hypo	CHG	-0.5094
Gm16	7425331	7425536 Gmdrm	hypo	CHG	-0.5231
Gm16	7425724	7425808 Gmdrm	hypo	CHG	-0.3333
Gm16	7430513	7430650 Gmdrm	hypo	CHG	-0.544
Gm16	7431303	7431858 Gmdrm	hypo	CHG	-0.0913
Gm16	7440468	7440589 Gmdrm	hypo	CHG	-0.7585
Gm16	7441034	7441227 Gmdrm	hypo	CHG	-0.3689
Gm16	7442583	7442622 Gmdrm	hypo	CHG	-0.782
Gm16	7442889	7442996 Gmdrm	hypo	CHG	-0.1383
Gm16	7452557	7453555 Gmdrm	hypo	CHG	-0.154
Gm16	7453604	7454585 Gmdrm	hypo	CHG	-0.4731
Gm16	7454791	7455462 Gmdrm	hypo	CHG	-0.2753

Gm16	7479280	7479426 Gmdrm	hypo	CHG	-0.4337
Gm16	7479554	7479947 Gmdrm	hypo	CHG	-0.5686
Gm16	7484350	7484461 Gmdrm	hypo	CHG	-0.058
Gm16	7486304	7486527 Gmdrm	hypo	CHG	-0.9112
Gm16	7487034	7487200 Gmdrm	hypo	CHG	-0.2267
Gm16	7487414	7487746 Gmdrm	hypo	CHG	-0.6714
Gm16	7488166	7488347 Gmdrm	hypo	CHG	-0.228
Gm16	7493422	7493843 Gmdrm	hypo	CHG	-0.7147
Gm16	7494223	7494338 Gmdrm	hypo	CHG	-0.7489
Gm16	7508035	7508119 Gmdrm	hypo	CHG	-0.16
Gm16	7509706	7509989 Gmdrm	hypo	CHG	-0.4088
Gm16	7511489	7511621 Gmdrm	hypo	CHG	-0.2381
Gm16	7516904	7517268 Gmdrm	hypo	CHG	-0.2679
Gm16	7518013	7518208 Gmdrm	hypo	CHG	-0.3645
Gm16	7520344	7520618 Gmdrm	hypo	CHG	-0.058
Gm16	7536781	7536906 Gmdrm	hypo	CHG	-0.4872
Gm16	7537126	7537319 Gmdrm	hypo	CHG	-0.71
Gm16	7538224	7538573 Gmdrm	hypo	CHG	-0.0325
Gm16	7546762	7546883 Gmdrm	hypo	CHG	-0.6837
Gm16	7573150	7573327 Gmdrm	hypo	CHG	-0.73
Gm16	7589782	7589799 Gmdrm	hypo	CHG	-0.078
Gm16	7597957	7598411 Gmdrm	hypo	CHG	-0.5647
Gm16	7598536	7598620 Gmdrm	hypo	CHG	-0.7589
Gm16	7599449	7599535 Gmdrm	hypo	CHG	-0.4216
Gm16	7600021	7600446 Gmdrm	hypo	CHG	-0.5308
Gm16	7600548	7600628 Gmdrm	hypo	CHG	-0.518
Gm16	7600925	7601003 Gmdrm	hypo	CHG	-0.4483
Gm16	7648981	7649166 Gmdrm	hypo	CHG	-0.3367
Gm16	7649340	7649549 Gmdrm	hypo	CHG	-0.3375
Gm16	7649699	7649782 Gmdrm	hypo	CHG	-0.456
Gm16	7650721	7650808 Gmdrm	hypo	CHG	-0.1971
Gm16	7653323	7653373 Gmdrm	hypo	CHG	-0.8675
Gm16	7653536	7653677 Gmdrm	hypo	CHG	-0.8369
Gm16	7712066	7712231 Gmdrm	hypo	CHG	-0.5386
Gm16	7737121	7737187 Gmdrm	hypo	CHG	-0.8158
Gm16	7743868	7744090 Gmdrm	hypo	CHG	-0.2809
Gm16	7748099	7748341 Gmdrm	hypo	CHG	-0.49
Gm16	7749048	7749145 Gmdrm	hypo	CHG	-0.6534
Gm16	7751423	7751554 Gmdrm	hypo	CHG	-0.0457
Gm16	7781577	7781834 Gmdrm	hypo	CHG	-0.3091
Gm16	7782690	7783172 Gmdrm	hypo	CHG	-0.4487
Gm16	7798687	7799033 Gmdrm	hypo	CHG	-0.2586
Gm16	7804258	7804747 Gmdrm	hypo	CHG	-0.0506
Gm16	7816242	7816341 Gmdrm	hypo	CHG	-0.745
Gm16	7817516	7817551 Gmdrm	hypo	CHG	-0.6334
Gm16	7817727	7817847 Gmdrm	hypo	CHG	-0.211

Gm16	7828597	7828710	Gmdrm	hypo	CHG	-0.104
Gm16	7834523	7835022	Gmdrm	hypo	CHG	-0.1453
Gm16	7835139	7835175	Gmdrm	hypo	CHG	-0.0371
Gm16	7840435	7840637	Gmdrm	hypo	CHG	-0.6935
Gm16	7846082	7846188	Gmdrm	hypo	CHG	-0.065
Gm16	7847921	7848031	Gmdrm	hypo	CHG	-0.056
Gm16	7862584	7862625	Gmdrm	hypo	CHG	-0.5984
Gm16	7863533	7863679	Gmdrm	hypo	CHG	-0.3
Gm16	7869017	7869233	Gmdrm	hypo	CHG	-0.0428
Gm16	7887957	7888121	Gmdrm	hypo	CHG	-0.292
Gm16	7889738	7889757	Gmdrm	hypo	CHG	-0.6133
Gm16	7891684	7891849	Gmdrm	hypo	CHG	-0.5829
Gm16	7892885	7892981	Gmdrm	hypo	CHG	-0.2083
Gm16	7909711	7909758	Gmdrm	hypo	CHG	-0.31
Gm16	7910957	7911143	Gmdrm	hypo	CHG	-0.03
Gm16	7912210	7912409	Gmdrm	hypo	CHG	-0.0377
Gm16	7912539	7912636	Gmdrm	hypo	CHG	-0.036
Gm16	7915216	7915545	Gmdrm	hypo	CHG	-0.5231
Gm16	7915657	7916002	Gmdrm	hypo	CHG	-0.3071
Gm16	7927267	7927466	Gmdrm	hypo	CHG	-0.225
Gm16	7927700	7927932	Gmdrm	hypo	CHG	-0.4211
Gm16	7942040	7942359	Gmdrm	hypo	CHG	-0.3425
Gm16	7947777	7947928	Gmdrm	hypo	CHG	-0.9189
Gm16	7950251	7950346	Gmdrm	hypo	CHG	-0.84
Gm16	7950460	7950670	Gmdrm	hypo	CHG	-0.8212
Gm16	7950870	7951003	Gmdrm	hypo	CHG	-0.7
Gm16	7951155	7951297	Gmdrm	hypo	CHG	-0.4025
Gm16	7952345	7952500	Gmdrm	hypo	CHG	-0.0471
Gm16	7957635	7957687	Gmdrm	hypo	CHG	-0.3586
Gm16	7957811	7957965	Gmdrm	hypo	CHG	-0.6243
Gm16	7965738	7965869	Gmdrm	hypo	CHG	-0.045
Gm16	7967814	7968108	Gmdrm	hypo	CHG	-0.0462
Gm16	7978891	7978957	Gmdrm	hypo	CHG	-0.062
Gm16	8000481	8000606	Gmdrm	hypo	CHG	-0.62
Gm16	8016870	8017170	Gmdrm	hypo	CHG	-0.0315
Gm16	8017548	8017617	Gmdrm	hypo	CHG	-0.03
Gm16	8025490	8025618	Gmdrm	hypo	CHG	-0.8987
Gm16	8025960	8026025	Gmdrm	hypo	CHG	-0.83
Gm16	8039860	8040026	Gmdrm	hypo	CHG	-0.2963
Gm16	8055351	8055662	Gmdrm	hypo	CHG	-0.1491
Gm16	8077210	8077884	Gmdrm	hypo	CHG	-0.2062
Gm16	8080403	8080662	Gmdrm	hypo	CHG	-0.0667
Gm16	8120596	8120748	Gmdrm	hypo	CHG	-0.4289
Gm16	8125539	8125900	Gmdrm	hypo	CHG	-0.5767
Gm16	8134164	8134202	Gmdrm	hypo	CHG	-0.885
Gm16	8137820	8137968	Gmdrm	hypo	CHG	-0.513

Gm16	8138266	8138767	Gmdrm	hypo	CHG	-0.3552
Gm16	8138888	8139107	Gmdrm	hypo	CHG	-0.09
Gm16	8151399	8151731	Gmdrm	hypo	CHG	-0.57
Gm16	8152704	8152950	Gmdrm	hypo	CHG	-0.4717
Gm16	8155031	8155116	Gmdrm	hypo	CHG	-0.2943
Gm16	8162931	8162962	Gmdrm	hypo	CHG	-0.07
Gm16	8185536	8186071	Gmdrm	hypo	CHG	-0.1704
Gm16	8204200	8204725	Gmdrm	hypo	CHG	-0.3224
Gm16	8209377	8210253	Gmdrm	hypo	CHG	-0.2953
Gm16	8210515	8210577	Gmdrm	hypo	CHG	-0.35
Gm16	8210688	8210950	Gmdrm	hypo	CHG	-0.496
Gm16	8215760	8215964	Gmdrm	hypo	CHG	-0.2
Gm16	8257964	8258100	Gmdrm	hypo	CHG	-0.51
Gm16	8341944	8342004	Gmdrm	hypo	CHG	-0.3957
Gm16	8343918	8344570	Gmdrm	hypo	CHG	-0.1071
Gm16	8389492	8389735	Gmdrm	hypo	CHG	-0.633
Gm16	8391829	8391886	Gmdrm	hypo	CHG	-0.774
Gm16	8405521	8405634	Gmdrm	hypo	CHG	-0.2382
Gm16	8405966	8406075	Gmdrm	hypo	CHG	-0.3933
Gm16	8407401	8407473	Gmdrm	hypo	CHG	-0.1317
Gm16	8450644	8450759	Gmdrm	hypo	CHG	-0.33
Gm16	8450954	8451048	Gmdrm	hypo	CHG	-0.7816
Gm16	8451167	8451193	Gmdrm	hypo	CHG	-0.9216
Gm16	8455647	8455766	Gmdrm	hypo	CHG	-0.118
Gm16	8461119	8461338	Gmdrm	hypo	CHG	-0.036
Gm16	8474112	8474469	Gmdrm	hypo	CHG	-0.2179
Gm16	8476450	8476534	Gmdrm	hypo	CHG	-0.2786
Gm16	8500680	8500781	Gmdrm	hypo	CHG	-0.515
Gm16	8503075	8503360	Gmdrm	hypo	CHG	-0.2925
Gm16	8506330	8506730	Gmdrm	hypo	CHG	-0.4884
Gm16	8518987	8519105	Gmdrm	hypo	CHG	-0.52
Gm16	8555479	8556193	Gmdrm	hypo	CHG	-0.0707
Gm16	8556779	8556911	Gmdrm	hypo	CHG	-0.08
Gm16	8561400	8561542	Gmdrm	hypo	CHG	-0.1628
Gm16	8654507	8654575	Gmdrm	hypo	CHG	-0.7675
Gm16	8672748	8673267	Gmdrm	hypo	CHG	-0.2781
Gm16	8677891	8677993	Gmdrm	hypo	CHG	-0.6572
Gm16	8695069	8695468	Gmdrm	hypo	CHG	-0.2881
Gm16	8695588	8695781	Gmdrm	hypo	CHG	-0.4778
Gm16	8696064	8696222	Gmdrm	hypo	CHG	-0.7767
Gm16	8735400	8735740	Gmdrm	hypo	CHG	-0.5208
Gm16	8741556	8741768	Gmdrm	hypo	CHG	-0.2716
Gm16	8759432	8759899	Gmdrm	hypo	CHG	-0.2415
Gm16	8766192	8766507	Gmdrm	hypo	CHG	-0.2563
Gm16	8769587	8769871	Gmdrm	hypo	CHG	-0.0975
Gm16	8826186	8826392	Gmdrm	hypo	CHG	-0.498

Gm16	8827181	8827465	Gmdrm	hypo	CHG	-0.3356
Gm16	8844209	8844228	Gmdrm	hypo	CHG	-0.264
Gm16	9075897	9076087	Gmdrm	hypo	CHG	-0.4662
Gm16	9076409	9076609	Gmdrm	hypo	CHG	-0.5186
Gm16	9076833	9077133	Gmdrm	hypo	CHG	-0.1722
Gm16	9138619	9138734	Gmdrm	hypo	CHG	-0.746
Gm16	9162738	9163095	Gmdrm	hypo	CHG	-0.0683
Gm16	9172329	9172340	Gmdrm	hypo	CHG	-0.096
Gm16	9179333	9179616	Gmdrm	hypo	CHG	-0.4825
Gm16	9182609	9182692	Gmdrm	hypo	CHG	-0.182
Gm16	9236871	9237241	Gmdrm	hypo	CHG	-0.3021
Gm16	9258674	9259334	Gmdrm	hypo	CHG	-0.095
Gm16	9296277	9297260	Gmdrm	hypo	CHG	-0.1953
Gm16	9298443	9299438	Gmdrm	hypo	CHG	-0.3503
Gm16	9300035	9300200	Gmdrm	hypo	CHG	-0.3445
Gm16	9300306	9300898	Gmdrm	hypo	CHG	-0.2326
Gm16	9306019	9306962	Gmdrm	hypo	CHG	-0.1767
Gm16	9319082	9319141	Gmdrm	hypo	CHG	-0.1133
Gm16	9349939	9350284	Gmdrm	hypo	CHG	-0.39
Gm16	9363709	9363735	Gmdrm	hypo	CHG	-0.1867
Gm16	9384643	9385095	Gmdrm	hypo	CHG	-0.285
Gm16	9418742	9418770	Gmdrm	hypo	CHG	-0.44
Gm16	9423451	9423698	Gmdrm	hypo	CHG	-0.062
Gm16	9469576	9469669	Gmdrm	hypo	CHG	-0.9233
Gm16	9469987	9470214	Gmdrm	hypo	CHG	-0.946
Gm16	9477748	9478063	Gmdrm	hypo	CHG	-0.3212
Gm16	9616300	9616349	Gmdrm	hypo	CHG	-0.3783
Gm16	9637916	9638090	Gmdrm	hypo	CHG	-0.034
Gm16	9642945	9643306	Gmdrm	hypo	CHG	-0.0433
Gm16	9646675	9646946	Gmdrm	hypo	CHG	-0.2464
Gm16	9648348	9648494	Gmdrm	hypo	CHG	-0.2771
Gm16	9656886	9657013	Gmdrm	hypo	CHG	-0.03
Gm16	9663652	9663979	Gmdrm	hypo	CHG	-0.215
Gm16	9668301	9668601	Gmdrm	hypo	CHG	-0.1335
Gm16	9696731	9697118	Gmdrm	hypo	CHG	-0.2382
Gm16	9699085	9699272	Gmdrm	hypo	CHG	-0.772
Gm16	9699502	9699607	Gmdrm	hypo	CHG	-0.7716
Gm16	9702976	9703070	Gmdrm	hypo	CHG	-0.3137
Gm16	9703201	9703249	Gmdrm	hypo	CHG	-0.7684
Gm16	9709157	9709289	Gmdrm	hypo	CHG	-0.3729
Gm16	9709419	9709481	Gmdrm	hypo	CHG	-0.5667
Gm16	9717339	9717477	Gmdrm	hypo	CHG	-0.1951
Gm16	9717874	9718071	Gmdrm	hypo	CHG	-0.492
Gm16	9718226	9718391	Gmdrm	hypo	CHG	-0.1133
Gm16	9747106	9747253	Gmdrm	hypo	CHG	-0.4463
Gm16	9771444	9771732	Gmdrm	hypo	CHG	-0.4755

Gm16	9771861	9772366	Gmdrm	hypo	CHG	-0.7114
Gm16	9772924	9773033	Gmdrm	hypo	CHG	-0.484
Gm16	9773140	9773635	Gmdrm	hypo	CHG	-0.5563
Gm16	9773805	9773941	Gmdrm	hypo	CHG	-0.7155
Gm16	9774054	9774137	Gmdrm	hypo	CHG	-0.7217
Gm16	9774277	9774547	Gmdrm	hypo	CHG	-0.729
Gm16	9774730	9775120	Gmdrm	hypo	CHG	-0.61
Gm16	9807388	9807450	Gmdrm	hypo	CHG	-0.686
Gm16	9829855	9829947	Gmdrm	hypo	CHG	-0.45
Gm16	9908621	9908833	Gmdrm	hypo	CHG	-0.2255
Gm16	9909336	9909478	Gmdrm	hypo	CHG	-0.4083
Gm16	9963038	9963469	Gmdrm	hypo	CHG	-0.2536
Gm16	10058443	10058643	Gmdrm	hypo	CHG	-0.4017
Gm16	10065799	10065986	Gmdrm	hypo	CHG	-0.5345
Gm16	10066804	10066982	Gmdrm	hypo	CHG	-0.1786
Gm16	10070081	10070222	Gmdrm	hypo	CHG	-0.3417
Gm16	10172947	10173239	Gmdrm	hypo	CHG	-0.5728
Gm16	10173420	10173496	Gmdrm	hypo	CHG	-0.6916
Gm16	10300970	10301031	Gmdrm	hypo	CHG	-0.4734
Gm16	10343259	10344106	Gmdrm	hypo	CHG	-0.5051
Gm16	10467943	10468342	Gmdrm	hypo	CHG	-0.2217
Gm16	10476976	10477165	Gmdrm	hypo	CHG	-0.1481
Gm16	10489255	10489518	Gmdrm	hypo	CHG	-0.1132
Gm16	10502429	10502710	Gmdrm	hypo	CHG	-0.0286
Gm16	10541142	10541262	Gmdrm	hypo	CHG	-0.42
Gm16	10541658	10541684	Gmdrm	hypo	CHG	-0.906
Gm16	10542237	10542401	Gmdrm	hypo	CHG	-0.13
Gm16	10605184	10605932	Gmdrm	hypo	CHG	-0.3065
Gm16	10606156	10606204	Gmdrm	hypo	CHG	-0.5117
Gm16	10612373	10612707	Gmdrm	hypo	CHG	-0.2023
Gm16	10613926	10613999	Gmdrm	hypo	CHG	-0.15
Gm16	10614762	10614957	Gmdrm	hypo	CHG	-0.0563
Gm16	10813550	10813608	Gmdrm	hypo	CHG	-0.3
Gm16	10817453	10817601	Gmdrm	hypo	CHG	-0.21
Gm16	10817703	10817815	Gmdrm	hypo	CHG	-0.35
Gm16	10824911	10825113	Gmdrm	hypo	CHG	-0.5063
Gm16	10879583	10879727	Gmdrm	hypo	CHG	-0.2116
Gm16	10890967	10891149	Gmdrm	hypo	CHG	-0.3022
Gm16	10896131	10896730	Gmdrm	hypo	CHG	-0.3217
Gm16	10913405	10913689	Gmdrm	hypo	CHG	-0.3273
Gm16	10941959	10942089	Gmdrm	hypo	CHG	-0.8123
Gm16	10943706	10943752	Gmdrm	hypo	CHG	-0.698
Gm16	10978294	10978401	Gmdrm	hypo	CHG	-0.385
Gm16	10979553	10979702	Gmdrm	hypo	CHG	-0.036
Gm16	10980618	10981139	Gmdrm	hypo	CHG	-0.2994
Gm16	10993360	10993490	Gmdrm	hypo	CHG	-0.737

Gm16	11007048	11007379	Gmdrm	hypo	CHG	-0.035
Gm16	11008524	11008764	Gmdrm	hypo	CHG	-0.4056
Gm16	11008923	11008958	Gmdrm	hypo	CHG	-0.384
Gm16	11015547	11015695	Gmdrm	hypo	CHG	-0.391
Gm16	11016070	11016342	Gmdrm	hypo	CHG	-0.5045
Gm16	11148496	11148641	Gmdrm	hypo	CHG	-0.1
Gm16	11162334	11162732	Gmdrm	hypo	CHG	-0.5496
Gm16	11163325	11163670	Gmdrm	hypo	CHG	-0.2634
Gm16	11165070	11165297	Gmdrm	hypo	CHG	-0.73
Gm16	11170797	11171079	Gmdrm	hypo	CHG	-0.0571
Gm16	11249787	11249892	Gmdrm	hypo	CHG	-0.91
Gm16	11253053	11253309	Gmdrm	hypo	CHG	-0.674
Gm16	11253459	11253526	Gmdrm	hypo	CHG	-0.8862
Gm16	11269709	11269953	Gmdrm	hypo	CHG	-0.329
Gm16	11270196	11270213	Gmdrm	hypo	CHG	-0.538
Gm16	11277051	11277316	Gmdrm	hypo	CHG	-0.3487
Gm16	11278401	11278570	Gmdrm	hypo	CHG	-0.45
Gm16	11279503	11279711	Gmdrm	hypo	CHG	-0.0313
Gm16	11280510	11280611	Gmdrm	hypo	CHG	-0.4083
Gm16	11280747	11280989	Gmdrm	hypo	CHG	-0.576
Gm16	11291673	11291891	Gmdrm	hypo	CHG	-0.408
Gm16	11333432	11333773	Gmdrm	hypo	CHG	-0.8124
Gm16	11343086	11343290	Gmdrm	hypo	CHG	-0.5962
Gm16	11470522	11470569	Gmdrm	hypo	CHG	-0.746
Gm16	11906166	11906302	Gmdrm	hypo	CHG	-0.6367
Gm16	11908461	11908726	Gmdrm	hypo	CHG	-0.4314
Gm16	11908967	11909297	Gmdrm	hypo	CHG	-0.4921
Gm16	11909402	11909702	Gmdrm	hypo	CHG	-0.4077
Gm16	11911300	11911562	Gmdrm	hypo	CHG	-0.5833
Gm16	12642859	12643049	Gmdrm	hypo	CHG	-0.6833
Gm16	12739905	12739976	Gmdrm	hypo	CHG	-0.258
Gm16	13144804	13145793	Gmdrm	hypo	CHG	-0.4821
Gm16	13157118	13157441	Gmdrm	hypo	CHG	-0.465
Gm16	13157995	13158106	Gmdrm	hypo	CHG	-0.044
Gm16	13163536	13164026	Gmdrm	hypo	CHG	-0.2017
Gm16	14056866	14057220	Gmdrm	hypo	CHG	-0.5365
Gm16	14057656	14057858	Gmdrm	hypo	CHG	-0.5125
Gm16	14060364	14060488	Gmdrm	hypo	CHG	-0.11
Gm16	14066451	14066720	Gmdrm	hypo	CHG	-0.5629
Gm16	14104019	14104569	Gmdrm	hypo	CHG	-0.635
Gm16	14263262	14263489	Gmdrm	hypo	CHG	-0.036
Gm16	14486511	14486557	Gmdrm	hypo	CHG	-0.506
Gm16	14497069	14497134	Gmdrm	hypo	CHG	-0.524
Gm16	14517117	14517224	Gmdrm	hypo	CHG	-0.53
Gm16	14518445	14518488	Gmdrm	hypo	CHG	-0.492
Gm16	14567610	14567760	Gmdrm	hypo	CHG	-0.3187

Gm16	14570852	14571207	Gmdrm	hypo	CHG	-0.057
Gm16	14572970	14573614	Gmdrm	hypo	CHG	-0.4037
Gm16	14573959	14574538	Gmdrm	hypo	CHG	-0.3233
Gm16	14586755	14587745	Gmdrm	hypo	CHG	-0.1795
Gm16	14592374	14592409	Gmdrm	hypo	CHG	-0.1012
Gm16	14592582	14592946	Gmdrm	hypo	CHG	-0.2718
Gm16	14594637	14595136	Gmdrm	hypo	CHG	-0.2317
Gm16	14613746	14614058	Gmdrm	hypo	CHG	-0.4116
Gm16	14619023	14619234	Gmdrm	hypo	CHG	-0.0843
Gm16	14675538	14676013	Gmdrm	hypo	CHG	-0.4135
Gm16	14748609	14748766	Gmdrm	hypo	CHG	-0.5275
Gm16	14794449	14794728	Gmdrm	hypo	CHG	-0.2677
Gm16	14795052	14796051	Gmdrm	hypo	CHG	-0.1937
Gm16	14796107	14797034	Gmdrm	hypo	CHG	-0.1749
Gm16	14828052	14828339	Gmdrm	hypo	CHG	-0.3081
Gm16	14828678	14828831	Gmdrm	hypo	CHG	-0.634
Gm16	14831410	14831563	Gmdrm	hypo	CHG	-0.0845
Gm16	14865600	14865652	Gmdrm	hypo	CHG	-0.338
Gm16	14897477	14897565	Gmdrm	hypo	CHG	-0.636
Gm16	14897835	14898186	Gmdrm	hypo	CHG	-0.7135
Gm16	14909815	14909971	Gmdrm	hypo	CHG	-0.4143
Gm16	14911930	14912325	Gmdrm	hypo	CHG	-0.3053
Gm16	14914764	14914856	Gmdrm	hypo	CHG	-0.52
Gm16	15090147	15090226	Gmdrm	hypo	CHG	-0.1417
Gm16	15091984	15092193	Gmdrm	hypo	CHG	-0.2718
Gm16	15103024	15103174	Gmdrm	hypo	CHG	-0.5687
Gm16	15202386	15202538	Gmdrm	hypo	CHG	-0.5634
Gm16	15254546	15254612	Gmdrm	hypo	CHG	-0.0367
Gm16	15309456	15309553	Gmdrm	hypo	CHG	-0.335
Gm16	15333883	15334062	Gmdrm	hypo	CHG	-0.82
Gm16	15354042	15354322	Gmdrm	hypo	CHG	-0.219
Gm16	15485663	15485783	Gmdrm	hypo	CHG	-0.704
Gm16	15491968	15492318	Gmdrm	hypo	CHG	-0.2691
Gm16	15884908	15885297	Gmdrm	hypo	CHG	-0.2238
Gm16	15889168	15889510	Gmdrm	hypo	CHG	-0.2216
Gm16	15895955	15896198	Gmdrm	hypo	CHG	-0.1031
Gm16	16003843	16004185	Gmdrm	hypo	CHG	-0.2985
Gm16	16404916	16405061	Gmdrm	hypo	CHG	-0.32
Gm16	16429740	16429905	Gmdrm	hypo	CHG	-0.519
Gm16	16431436	16431582	Gmdrm	hypo	CHG	-0.5538
Gm16	16551105	16551289	Gmdrm	hypo	CHG	-0.2909
Gm16	16670089	16670191	Gmdrm	hypo	CHG	-0.436
Gm16	16670583	16670662	Gmdrm	hypo	CHG	-0.456
Gm16	16816073	16816177	Gmdrm	hypo	CHG	-0.814
Gm16	16816460	16816684	Gmdrm	hypo	CHG	-0.3648
Gm16	16967340	16967468	Gmdrm	hypo	CHG	-0.2579

Gm16	16977682	16978114	Gmdrm	hypo	CHG	-0.1566
Gm16	17078283	17078989	Gmdrm	hypo	CHG	-0.1441
Gm16	17081271	17081900	Gmdrm	hypo	CHG	-0.0339
Gm16	17360058	17360128	Gmdrm	hypo	CHG	-0.066
Gm16	17420714	17420778	Gmdrm	hypo	CHG	-0.398
Gm16	17475915	17476002	Gmdrm	hypo	CHG	-0.342
Gm16	17496066	17496138	Gmdrm	hypo	CHG	-0.342
Gm16	17530868	17531288	Gmdrm	hypo	CHG	-0.1811
Gm16	17604664	17605657	Gmdrm	hypo	CHG	-0.1788
Gm16	17606975	17607520	Gmdrm	hypo	CHG	-0.1391
Gm16	17608786	17609772	Gmdrm	hypo	CHG	-0.1154
Gm16	17612477	17613263	Gmdrm	hypo	CHG	-0.0854
Gm16	17613385	17613500	Gmdrm	hypo	CHG	-0.08
Gm16	17613871	17614562	Gmdrm	hypo	CHG	-0.12
Gm16	17617589	17618396	Gmdrm	hypo	CHG	-0.0435
Gm16	17647104	17647572	Gmdrm	hypo	CHG	-0.1346
Gm16	17686895	17687307	Gmdrm	hypo	CHG	-0.1466
Gm16	17694049	17695021	Gmdrm	hypo	CHG	-0.1335
Gm16	17696817	17697815	Gmdrm	hypo	CHG	-0.2987
Gm16	17698815	17699074	Gmdrm	hypo	CHG	-0.4745
Gm16	17865309	17865664	Gmdrm	hypo	CHG	-0.0681
Gm16	17911216	17911624	Gmdrm	hypo	CHG	-0.2191
Gm16	17911785	17912082	Gmdrm	hypo	CHG	-0.2754
Gm16	17912372	17913085	Gmdrm	hypo	CHG	-0.3223
Gm16	17913209	17913380	Gmdrm	hypo	CHG	-0.1271
Gm16	17914191	17914639	Gmdrm	hypo	CHG	-0.1439
Gm16	17917086	17917176	Gmdrm	hypo	CHG	-0.47
Gm16	17917291	17917377	Gmdrm	hypo	CHG	-0.364
Gm16	17917509	17917704	Gmdrm	hypo	CHG	-0.3634
Gm16	17919203	17919257	Gmdrm	hypo	CHG	-0.608
Gm16	17919562	17919679	Gmdrm	hypo	CHG	-0.6434
Gm16	17919809	17920078	Gmdrm	hypo	CHG	-0.5769
Gm16	18190511	18191386	Gmdrm	hypo	CHG	-0.3806
Gm16	18437806	18437853	Gmdrm	hypo	CHG	-0.465
Gm16	18453678	18454057	Gmdrm	hypo	CHG	-0.4741
Gm16	18454272	18454402	Gmdrm	hypo	CHG	-0.47
Gm16	18476407	18476609	Gmdrm	hypo	CHG	-0.0411
Gm16	18689999	18690107	Gmdrm	hypo	CHG	-0.085
Gm16	18817195	18817777	Gmdrm	hypo	CHG	-0.1868
Gm16	18823841	18824002	Gmdrm	hypo	CHG	-0.2706
Gm16	18839137	18839327	Gmdrm	hypo	CHG	-0.0557
Gm16	18842289	18842700	Gmdrm	hypo	CHG	-0.2648
Gm16	18845537	18845689	Gmdrm	hypo	CHG	-0.595
Gm16	18846469	18846932	Gmdrm	hypo	CHG	-0.654
Gm16	18848461	18848588	Gmdrm	hypo	CHG	-0.5514
Gm16	18849598	18850119	Gmdrm	hypo	CHG	-0.257

Gm16	18866157	18866207	Gmdrm	hypo	CHG	-0.4
Gm16	18867612	18867662	Gmdrm	hypo	CHG	-0.64
Gm16	18872456	18872572	Gmdrm	hypo	CHG	-0.4833
Gm16	18876066	18876138	Gmdrm	hypo	CHG	-0.4986
Gm16	18877227	18877400	Gmdrm	hypo	CHG	-0.064
Gm16	18882931	18883145	Gmdrm	hypo	CHG	-0.1956
Gm16	19024058	19024249	Gmdrm	hypo	CHG	-0.0688
Gm16	19034486	19034617	Gmdrm	hypo	CHG	-0.2223
Gm16	19035313	19035584	Gmdrm	hypo	CHG	-0.489
Gm16	19057292	19057380	Gmdrm	hypo	CHG	-0.515
Gm16	19058992	19059155	Gmdrm	hypo	CHG	-0.5844
Gm16	19059268	19059455	Gmdrm	hypo	CHG	-0.323
Gm16	19128404	19128492	Gmdrm	hypo	CHG	-0.132
Gm16	19164562	19164651	Gmdrm	hypo	CHG	-0.4383
Gm16	19164845	19165020	Gmdrm	hypo	CHG	-0.234
Gm16	19168791	19168918	Gmdrm	hypo	CHG	-0.0443
Gm16	19169929	19170152	Gmdrm	hypo	CHG	-0.39
Gm16	19193922	19194097	Gmdrm	hypo	CHG	-0.3557
Gm16	19250491	19250599	Gmdrm	hypo	CHG	-0.5833
Gm16	19255429	19255903	Gmdrm	hypo	CHG	-0.335
Gm16	19272180	19272338	Gmdrm	hypo	CHG	-0.0488
Gm16	19290879	19291854	Gmdrm	hypo	CHG	-0.1929
Gm16	19298171	19298468	Gmdrm	hypo	CHG	-0.5093
Gm16	19299236	19300030	Gmdrm	hypo	CHG	-0.3621
Gm16	19324224	19324434	Gmdrm	hypo	CHG	-0.5078
Gm16	19324535	19324725	Gmdrm	hypo	CHG	-0.488
Gm16	19383605	19383926	Gmdrm	hypo	CHG	-0.5487
Gm16	19652480	19652847	Gmdrm	hypo	CHG	-0.0907
Gm16	19658568	19659020	Gmdrm	hypo	CHG	-0.1776
Gm16	19659231	19660228	Gmdrm	hypo	CHG	-0.3773
Gm16	19660256	19661256	Gmdrm	hypo	CHG	-0.3313
Gm16	19701753	19701791	Gmdrm	hypo	CHG	-0.1775
Gm16	20027495	20027517	Gmdrm	hypo	CHG	-0.7634
Gm16	20037702	20037853	Gmdrm	hypo	CHG	-0.3167
Gm16	20043602	20043869	Gmdrm	hypo	CHG	-0.7072
Gm16	20043995	20044023	Gmdrm	hypo	CHG	-0.7033
Gm16	20129885	20130099	Gmdrm	hypo	CHG	-0.4541
Gm16	20136661	20136767	Gmdrm	hypo	CHG	-0.4714
Gm16	20137738	20138028	Gmdrm	hypo	CHG	-0.3175
Gm16	20171038	20171060	Gmdrm	hypo	CHG	-0.16
Gm16	20282266	20282381	Gmdrm	hypo	CHG	-0.6066
Gm16	20457067	20457247	Gmdrm	hypo	CHG	-0.417
Gm16	20569268	20569779	Gmdrm	hypo	CHG	-0.258
Gm16	20569885	20569982	Gmdrm	hypo	CHG	-0.288
Gm16	20571441	20571803	Gmdrm	hypo	CHG	-0.1772
Gm16	20573616	20574581	Gmdrm	hypo	CHG	-0.3066

Gm16	20574769	20575256	Gmdrm	hypo	CHG	-0.2238
Gm16	20578645	20579184	Gmdrm	hypo	CHG	-0.223
Gm16	20583719	20584497	Gmdrm	hypo	CHG	-0.2438
Gm16	20597136	20597206	Gmdrm	hypo	CHG	-0.142
Gm16	20608698	20609001	Gmdrm	hypo	CHG	-0.045
Gm16	20611361	20611421	Gmdrm	hypo	CHG	-0.1286
Gm16	20611550	20611808	Gmdrm	hypo	CHG	-0.3662
Gm16	20612980	20613499	Gmdrm	hypo	CHG	-0.1495
Gm16	20711009	20711134	Gmdrm	hypo	CHG	-0.5817
Gm16	20718537	20718676	Gmdrm	hypo	CHG	-0.3557
Gm16	20740376	20740570	Gmdrm	hypo	CHG	-0.5749
Gm16	20831239	20831350	Gmdrm	hypo	CHG	-0.79
Gm16	20831484	20831577	Gmdrm	hypo	CHG	-0.7467
Gm16	20837944	20838031	Gmdrm	hypo	CHG	-0.0558
Gm16	20986105	20986267	Gmdrm	hypo	CHG	-0.56
Gm16	20991463	20991501	Gmdrm	hypo	CHG	-0.622
Gm16	21031309	21031675	Gmdrm	hypo	CHG	-0.3323
Gm16	21078568	21078643	Gmdrm	hypo	CHG	-0.2883
Gm16	21086411	21086551	Gmdrm	hypo	CHG	-0.4167
Gm16	21124287	21124908	Gmdrm	hypo	CHG	-0.1491
Gm16	21125028	21126008	Gmdrm	hypo	CHG	-0.2746
Gm16	21126036	21127036	Gmdrm	hypo	CHG	-0.3571
Gm16	21127038	21127518	Gmdrm	hypo	CHG	-0.385
Gm16	21137227	21137374	Gmdrm	hypo	CHG	-0.305
Gm16	21137780	21137877	Gmdrm	hypo	CHG	-0.1151
Gm16	21142019	21142130	Gmdrm	hypo	CHG	-0.052
Gm16	21148403	21148637	Gmdrm	hypo	CHG	-0.1383
Gm16	21148756	21149144	Gmdrm	hypo	CHG	-0.1654
Gm16	21152261	21152327	Gmdrm	hypo	CHG	-0.45
Gm16	21196279	21196431	Gmdrm	hypo	CHG	-0.0925
Gm16	21196558	21197073	Gmdrm	hypo	CHG	-0.1305
Gm16	21197267	21197800	Gmdrm	hypo	CHG	-0.2336
Gm16	21197908	21198414	Gmdrm	hypo	CHG	-0.1443
Gm16	21198580	21198809	Gmdrm	hypo	CHG	-0.0875
Gm16	21200133	21200373	Gmdrm	hypo	CHG	-0.1667
Gm16	21200475	21200742	Gmdrm	hypo	CHG	-0.1666
Gm16	21200910	21201364	Gmdrm	hypo	CHG	-0.2313
Gm16	21201835	21201979	Gmdrm	hypo	CHG	-0.0582
Gm16	21207965	21208618	Gmdrm	hypo	CHG	-0.1019
Gm16	21209059	21209242	Gmdrm	hypo	CHG	-0.1322
Gm16	21218151	21218222	Gmdrm	hypo	CHG	-0.7183
Gm16	21258459	21258630	Gmdrm	hypo	CHG	-0.07
Gm16	21293372	21293667	Gmdrm	hypo	CHG	-0.028
Gm16	21320546	21320784	Gmdrm	hypo	CHG	-0.253
Gm16	21320926	21321258	Gmdrm	hypo	CHG	-0.2537
Gm16	21321389	21321628	Gmdrm	hypo	CHG	-0.5463

Gm16	21365204	21365391	Gmdrm	hypo	CHG	-0.4137
Gm16	21380352	21380388	Gmdrm	hypo	CHG	-0.36
Gm16	21409293	21409440	Gmdrm	hypo	CHG	-0.0387
Gm16	21419799	21420096	Gmdrm	hypo	CHG	-0.1823
Gm16	21437449	21437692	Gmdrm	hypo	CHG	-0.2562
Gm16	21459615	21459892	Gmdrm	hypo	CHG	-0.045
Gm16	21528323	21528427	Gmdrm	hypo	CHG	-0.4483
Gm16	21528971	21529339	Gmdrm	hypo	CHG	-0.0584
Gm16	21533704	21534103	Gmdrm	hypo	CHG	-0.7929
Gm16	21543155	21543234	Gmdrm	hypo	CHG	-0.5783
Gm16	21548546	21548634	Gmdrm	hypo	CHG	-0.735
Gm16	21553543	21553990	Gmdrm	hypo	CHG	-0.4369
Gm16	21554103	21554149	Gmdrm	hypo	CHG	-0.585
Gm16	21555344	21555589	Gmdrm	hypo	CHG	-0.385
Gm16	21563745	21564414	Gmdrm	hypo	CHG	-0.072
Gm16	21571915	21572329	Gmdrm	hypo	CHG	-0.1908
Gm16	21623094	21623348	Gmdrm	hypo	CHG	-0.5314
Gm16	21658270	21658470	Gmdrm	hypo	CHG	-0.0857
Gm16	21659127	21659218	Gmdrm	hypo	CHG	-0.3043
Gm16	21672129	21672460	Gmdrm	hypo	CHG	-0.2141
Gm16	21699573	21699927	Gmdrm	hypo	CHG	-0.5785
Gm16	21700277	21700520	Gmdrm	hypo	CHG	-0.433
Gm16	21719403	21719432	Gmdrm	hypo	CHG	-0.7233
Gm16	21731546	21731643	Gmdrm	hypo	CHG	-0.1386
Gm16	21734728	21735010	Gmdrm	hypo	CHG	-0.206
Gm16	21736096	21736337	Gmdrm	hypo	CHG	-0.4878
Gm16	21746116	21746331	Gmdrm	hypo	CHG	-0.581
Gm16	21784389	21784762	Gmdrm	hypo	CHG	-0.2245
Gm16	21784887	21785596	Gmdrm	hypo	CHG	-0.3269
Gm16	21785908	21786601	Gmdrm	hypo	CHG	-0.0973
Gm16	21791689	21792673	Gmdrm	hypo	CHG	-0.251
Gm16	21793179	21793457	Gmdrm	hypo	CHG	-0.0813
Gm16	21805910	21805929	Gmdrm	hypo	CHG	-0.115
Gm16	21832568	21832720	Gmdrm	hypo	CHG	-0.5566
Gm16	21838655	21839315	Gmdrm	hypo	CHG	-0.3108
Gm16	21839625	21839865	Gmdrm	hypo	CHG	-0.7996
Gm16	21883292	21883483	Gmdrm	hypo	CHG	-0.2544
Gm16	21891535	21891864	Gmdrm	hypo	CHG	-0.717
Gm16	21898739	21898796	Gmdrm	hypo	CHG	-0.61
Gm16	21902784	21903028	Gmdrm	hypo	CHG	-0.3711
Gm16	21950161	21950302	Gmdrm	hypo	CHG	-0.56
Gm16	21950524	21950601	Gmdrm	hypo	CHG	-0.6216
Gm16	21972619	21972668	Gmdrm	hypo	CHG	-0.674
Gm16	21995742	21996023	Gmdrm	hypo	CHG	-0.1224
Gm16	22024515	22025050	Gmdrm	hypo	CHG	-0.2794
Gm16	22082088	22082437	Gmdrm	hypo	CHG	-0.1173

Gm16	22135339	22135792	Gmdrm	hypo	CHG	-0.0936
Gm16	22182821	22182938	Gmdrm	hypo	CHG	-0.615
Gm16	22183191	22183487	Gmdrm	hypo	CHG	-0.2284
Gm16	22185233	22185607	Gmdrm	hypo	CHG	-0.2173
Gm16	22193041	22193228	Gmdrm	hypo	CHG	-0.1872
Gm16	22193338	22193508	Gmdrm	hypo	CHG	-0.4391
Gm16	22194840	22195837	Gmdrm	hypo	CHG	-0.3549
Gm16	22195857	22196056	Gmdrm	hypo	CHG	-0.4927
Gm16	22199963	22200010	Gmdrm	hypo	CHG	-0.648
Gm16	22290969	22291034	Gmdrm	hypo	CHG	-0.2567
Gm16	22544986	22545035	Gmdrm	hypo	CHG	-0.2967
Gm16	22810717	22811167	Gmdrm	hypo	CHG	-0.2977
Gm16	22834952	22835096	Gmdrm	hypo	CHG	-0.837
Gm16	23047328	23047450	Gmdrm	hypo	CHG	-0.282
Gm16	23061476	23061559	Gmdrm	hypo	CHG	-0.7537
Gm16	23073961	23074498	Gmdrm	hypo	CHG	-0.3605
Gm16	23077206	23077530	Gmdrm	hypo	CHG	-0.467
Gm16	23228383	23228697	Gmdrm	hypo	CHG	-0.4454
Gm16	23229023	23229122	Gmdrm	hypo	CHG	-0.4218
Gm16	23257396	23257508	Gmdrm	hypo	CHG	-0.6063
Gm16	23314895	23315691	Gmdrm	hypo	CHG	-0.162
Gm16	23318563	23318790	Gmdrm	hypo	CHG	-0.2225
Gm16	23328064	23328772	Gmdrm	hypo	CHG	-0.2628
Gm16	23335060	23335085	Gmdrm	hypo	CHG	-0.6216
Gm16	23377326	23377498	Gmdrm	hypo	CHG	-0.2466
Gm16	23380563	23380839	Gmdrm	hypo	CHG	-0.7979
Gm16	23381040	23381081	Gmdrm	hypo	CHG	-0.5933
Gm16	23381388	23381754	Gmdrm	hypo	CHG	-0.3736
Gm16	23384464	23384495	Gmdrm	hypo	CHG	-0.56
Gm16	23486326	23486653	Gmdrm	hypo	CHG	-0.1656
Gm16	23615481	23615674	Gmdrm	hypo	CHG	-0.4988
Gm16	23621828	23621975	Gmdrm	hypo	CHG	-0.4692
Gm16	23622085	23622156	Gmdrm	hypo	CHG	-0.7225
Gm16	23642389	23642474	Gmdrm	hypo	CHG	-0.0988
Gm16	23842017	23842207	Gmdrm	hypo	CHG	-0.31
Gm16	23866767	23866839	Gmdrm	hypo	CHG	-0.51
Gm16	24014567	24014688	Gmdrm	hypo	CHG	-0.164
Gm16	24015871	24016067	Gmdrm	hypo	CHG	-0.1778
Gm16	24182298	24182600	Gmdrm	hypo	CHG	-0.2823
Gm16	24185557	24185585	Gmdrm	hypo	CHG	-0.496
Gm16	24238158	24238319	Gmdrm	hypo	CHG	-0.6655
Gm16	24338519	24338536	Gmdrm	hypo	CHG	-0.1184
Gm16	24341890	24341961	Gmdrm	hypo	CHG	-0.5633
Gm16	24345560	24345807	Gmdrm	hypo	CHG	-0.3343
Gm16	24451118	24451385	Gmdrm	hypo	CHG	-0.3328
Gm16	24451903	24452207	Gmdrm	hypo	CHG	-0.2187

Gm16	24485343	24485660	Gmdrm	hypo	CHG	-0.29
Gm16	24514927	24515127	Gmdrm	hypo	CHG	-0.7028
Gm16	24537544	24537569	Gmdrm	hypo	CHG	-0.1117
Gm16	24554904	24555217	Gmdrm	hypo	CHG	-0.2755
Gm16	24562402	24562647	Gmdrm	hypo	CHG	-0.0433
Gm16	24616838	24617425	Gmdrm	hypo	CHG	-0.1583
Gm16	24629686	24629753	Gmdrm	hypo	CHG	-0.8317
Gm16	24668428	24668531	Gmdrm	hypo	CHG	-0.1016
Gm16	24668956	24669134	Gmdrm	hypo	CHG	-0.355
Gm16	24856598	24857037	Gmdrm	hypo	CHG	-0.2446
Gm16	24857159	24857311	Gmdrm	hypo	CHG	-0.4563
Gm16	24857752	24858314	Gmdrm	hypo	CHG	-0.4548
Gm16	24858575	24858921	Gmdrm	hypo	CHG	-0.4389
Gm16	24863251	24863463	Gmdrm	hypo	CHG	-0.29
Gm16	24865033	24865482	Gmdrm	hypo	CHG	-0.2179
Gm16	24886157	24886266	Gmdrm	hypo	CHG	-0.565
Gm16	24912806	24913250	Gmdrm	hypo	CHG	-0.23
Gm16	24954811	24954981	Gmdrm	hypo	CHG	-0.024
Gm16	24956588	24956689	Gmdrm	hypo	CHG	-0.2517
Gm16	24956817	24957168	Gmdrm	hypo	CHG	-0.7274
Gm16	24957324	24957478	Gmdrm	hypo	CHG	-0.595
Gm16	24984182	24984413	Gmdrm	hypo	CHG	-0.2656
Gm16	24984550	24984699	Gmdrm	hypo	CHG	-0.1111
Gm16	24986359	24986752	Gmdrm	hypo	CHG	-0.0375
Gm16	24989640	24990327	Gmdrm	hypo	CHG	-0.224
Gm16	24991523	24991628	Gmdrm	hypo	CHG	-0.1375
Gm16	25008653	25008696	Gmdrm	hypo	CHG	-0.504
Gm16	25025874	25026096	Gmdrm	hypo	CHG	-0.175
Gm16	25027575	25027820	Gmdrm	hypo	CHG	-0.1852
Gm16	25032037	25032261	Gmdrm	hypo	CHG	-0.5122
Gm16	25061840	25061877	Gmdrm	hypo	CHG	-0.1616
Gm16	25092677	25093155	Gmdrm	hypo	CHG	-0.2925
Gm16	25097343	25097518	Gmdrm	hypo	CHG	-0.6375
Gm16	25142845	25142963	Gmdrm	hypo	CHG	-0.396
Gm16	25155791	25155968	Gmdrm	hypo	CHG	-0.5717
Gm16	25165668	25165755	Gmdrm	hypo	CHG	-0.1633
Gm16	25187746	25187794	Gmdrm	hypo	CHG	-0.486
Gm16	25199604	25199939	Gmdrm	hypo	CHG	-0.5194
Gm16	25200058	25200237	Gmdrm	hypo	CHG	-0.6154
Gm16	25210575	25210722	Gmdrm	hypo	CHG	-0.7067
Gm16	25214813	25214975	Gmdrm	hypo	CHG	-0.3156
Gm16	25215223	25215588	Gmdrm	hypo	CHG	-0.406
Gm16	25221487	25221634	Gmdrm	hypo	CHG	-0.604
Gm16	25221735	25221830	Gmdrm	hypo	CHG	-0.776
Gm16	25237152	25237330	Gmdrm	hypo	CHG	-0.0513
Gm16	25239391	25239642	Gmdrm	hypo	CHG	-0.056

Gm16	25241035	25241156	Gmdrm	hypo	CHG	-0.582
Gm16	25242749	25242877	Gmdrm	hypo	CHG	-0.2782
Gm16	25261590	25261639	Gmdrm	hypo	CHG	-0.682
Gm16	25315338	25315377	Gmdrm	hypo	CHG	-0.825
Gm16	25319924	25319989	Gmdrm	hypo	CHG	-0.565
Gm16	25328655	25328756	Gmdrm	hypo	CHG	-0.4686
Gm16	25328858	25329185	Gmdrm	hypo	CHG	-0.3264
Gm16	25337420	25338158	Gmdrm	hypo	CHG	-0.3672
Gm16	25376304	25376383	Gmdrm	hypo	CHG	-0.44
Gm16	25376541	25376613	Gmdrm	hypo	CHG	-0.6283
Gm16	25378168	25378263	Gmdrm	hypo	CHG	-0.065
Gm16	25378375	25378550	Gmdrm	hypo	CHG	-0.1227
Gm16	25386690	25387150	Gmdrm	hypo	CHG	-0.3113
Gm16	25389360	25389660	Gmdrm	hypo	CHG	-0.4975
Gm16	25390460	25390945	Gmdrm	hypo	CHG	-0.3593
Gm16	25393791	25393950	Gmdrm	hypo	CHG	-0.2309
Gm16	25433610	25433941	Gmdrm	hypo	CHG	-0.2125
Gm16	25434647	25434718	Gmdrm	hypo	CHG	-0.46
Gm16	25438049	25438218	Gmdrm	hypo	CHG	-0.2915
Gm16	25445922	25446293	Gmdrm	hypo	CHG	-0.4829
Gm16	25477331	25477624	Gmdrm	hypo	CHG	-0.5046
Gm16	25510877	25511474	Gmdrm	hypo	CHG	-0.3011
Gm16	25528538	25528739	Gmdrm	hypo	CHG	-0.0514
Gm16	25528945	25529502	Gmdrm	hypo	CHG	-0.215
Gm16	25540419	25540672	Gmdrm	hypo	CHG	-0.4449
Gm16	25624725	25624912	Gmdrm	hypo	CHG	-0.285
Gm16	25625812	25625914	Gmdrm	hypo	CHG	-0.452
Gm16	25626391	25626752	Gmdrm	hypo	CHG	-0.1379
Gm16	25626900	25627235	Gmdrm	hypo	CHG	-0.19
Gm16	25633644	25633837	Gmdrm	hypo	CHG	-0.06
Gm16	25636218	25636506	Gmdrm	hypo	CHG	-0.03
Gm16	25639391	25639805	Gmdrm	hypo	CHG	-0.0536
Gm16	25657039	25657469	Gmdrm	hypo	CHG	-0.0482
Gm16	25798017	25798194	Gmdrm	hypo	CHG	-0.7547
Gm16	25830124	25830215	Gmdrm	hypo	CHG	-0.6433
Gm16	25830777	25830904	Gmdrm	hypo	CHG	-0.7471
Gm16	25831901	25832064	Gmdrm	hypo	CHG	-0.8799
Gm16	25832260	25832309	Gmdrm	hypo	CHG	-0.775
Gm16	25834070	25834437	Gmdrm	hypo	CHG	-0.49
Gm16	25835918	25835947	Gmdrm	hypo	CHG	-0.7317
Gm16	25836083	25836480	Gmdrm	hypo	CHG	-0.7167
Gm16	25857494	25857616	Gmdrm	hypo	CHG	-0.3792
Gm16	25857870	25858095	Gmdrm	hypo	CHG	-0.432
Gm16	25866515	25866759	Gmdrm	hypo	CHG	-0.2545
Gm16	25867683	25867905	Gmdrm	hypo	CHG	-0.5142
Gm16	25879620	25879711	Gmdrm	hypo	CHG	-0.3816

Gm16	25892953	25893029	Gmdrm	hypo	CHG	-0.5686
Gm16	25922150	25922298	Gmdrm	hypo	CHG	-0.492
Gm16	25929982	25930022	Gmdrm	hypo	CHG	-0.7983
Gm16	25971342	25971509	Gmdrm	hypo	CHG	-0.4875
Gm16	26038512	26038617	Gmdrm	hypo	CHG	-0.652
Gm16	26058769	26058965	Gmdrm	hypo	CHG	-0.4076
Gm16	26077995	26078226	Gmdrm	hypo	CHG	-0.4016
Gm16	26090430	26090466	Gmdrm	hypo	CHG	-0.8316
Gm16	26092026	26092228	Gmdrm	hypo	CHG	-0.878
Gm16	26099214	26099330	Gmdrm	hypo	CHG	-0.0811
Gm16	26110211	26110399	Gmdrm	hypo	CHG	-0.5857
Gm16	26110636	26110693	Gmdrm	hypo	CHG	-0.734
Gm16	26261835	26261903	Gmdrm	hypo	CHG	-0.26
Gm16	26307016	26307212	Gmdrm	hypo	CHG	-0.3554
Gm16	26337554	26337789	Gmdrm	hypo	CHG	-0.3908
Gm16	26345274	26345503	Gmdrm	hypo	CHG	-0.6305
Gm16	26407338	26407433	Gmdrm	hypo	CHG	-0.959
Gm16	26421292	26421511	Gmdrm	hypo	CHG	-0.3357
Gm16	26427576	26427693	Gmdrm	hypo	CHG	-0.1758
Gm16	26435720	26435826	Gmdrm	hypo	CHG	-0.4714
Gm16	26452280	26452371	Gmdrm	hypo	CHG	-0.7817
Gm16	26518822	26519132	Gmdrm	hypo	CHG	-0.3039
Gm16	26528099	26528181	Gmdrm	hypo	CHG	-0.44
Gm16	26528682	26528715	Gmdrm	hypo	CHG	-0.4567
Gm16	26536904	26537042	Gmdrm	hypo	CHG	-0.0529
Gm16	26603955	26604260	Gmdrm	hypo	CHG	-0.321
Gm16	26673181	26673322	Gmdrm	hypo	CHG	-0.258
Gm16	26673558	26673701	Gmdrm	hypo	CHG	-0.042
Gm16	26676281	26676347	Gmdrm	hypo	CHG	-0.078
Gm16	26703183	26703453	Gmdrm	hypo	CHG	-0.6969
Gm16	26715699	26715891	Gmdrm	hypo	CHG	-0.1757
Gm16	26724453	26724601	Gmdrm	hypo	CHG	-0.3634
Gm16	26755551	26755669	Gmdrm	hypo	CHG	-0.496
Gm16	26757991	26758061	Gmdrm	hypo	CHG	-0.776
Gm16	26759593	26759758	Gmdrm	hypo	CHG	-0.3284
Gm16	26782456	26782704	Gmdrm	hypo	CHG	-0.138
Gm16	26782953	26783100	Gmdrm	hypo	CHG	-0.1523
Gm16	26783421	26783581	Gmdrm	hypo	CHG	-0.0875
Gm16	26801211	26801236	Gmdrm	hypo	CHG	-0.1134
Gm16	26801673	26801826	Gmdrm	hypo	CHG	-0.3408
Gm16	26821113	26821253	Gmdrm	hypo	CHG	-0.6016
Gm16	26849323	26849420	Gmdrm	hypo	CHG	-0.5
Gm16	26849544	26849615	Gmdrm	hypo	CHG	-0.4466
Gm16	26850354	26850496	Gmdrm	hypo	CHG	-0.2517
Gm16	26851380	26851688	Gmdrm	hypo	CHG	-0.3339
Gm16	26851893	26852096	Gmdrm	hypo	CHG	-0.4672

Gm16	26872314	26872338	Gmdrm	hypo	CHG	-0.554
Gm16	26872512	26872874	Gmdrm	hypo	CHG	-0.4471
Gm16	26897780	26897958	Gmdrm	hypo	CHG	-0.602
Gm16	26898338	26898467	Gmdrm	hypo	CHG	-0.767
Gm16	26898577	26898619	Gmdrm	hypo	CHG	-0.6517
Gm16	26898752	26899077	Gmdrm	hypo	CHG	-0.5075
Gm16	26904223	26904251	Gmdrm	hypo	CHG	-0.11
Gm16	26978062	26978212	Gmdrm	hypo	CHG	-0.0389
Gm16	26986609	26986763	Gmdrm	hypo	CHG	-0.635
Gm16	27014672	27014732	Gmdrm	hypo	CHG	-0.636
Gm16	27017373	27017622	Gmdrm	hypo	CHG	-0.36
Gm16	27017928	27018402	Gmdrm	hypo	CHG	-0.4393
Gm16	27018803	27018932	Gmdrm	hypo	CHG	-0.4174
Gm16	27021699	27021975	Gmdrm	hypo	CHG	-0.0272
Gm16	27025375	27025708	Gmdrm	hypo	CHG	-0.4912
Gm16	27040944	27041035	Gmdrm	hypo	CHG	-0.431
Gm16	27041348	27041482	Gmdrm	hypo	CHG	-0.5829
Gm16	27042636	27042737	Gmdrm	hypo	CHG	-0.5934
Gm16	27045222	27045439	Gmdrm	hypo	CHG	-0.6689
Gm16	27048727	27048918	Gmdrm	hypo	CHG	-0.9167
Gm16	27097233	27097859	Gmdrm	hypo	CHG	-0.12
Gm16	27102055	27102294	Gmdrm	hypo	CHG	-0.284
Gm16	27129046	27129138	Gmdrm	hypo	CHG	-0.1962
Gm16	27137491	27137804	Gmdrm	hypo	CHG	-0.48
Gm16	27167647	27168103	Gmdrm	hypo	CHG	-0.4608
Gm16	27186546	27186698	Gmdrm	hypo	CHG	-0.2925
Gm16	27192190	27192935	Gmdrm	hypo	CHG	-0.2257
Gm16	27193365	27193637	Gmdrm	hypo	CHG	-0.2038
Gm16	27226873	27226957	Gmdrm	hypo	CHG	-0.0517
Gm16	27230191	27230327	Gmdrm	hypo	CHG	-0.2133
Gm16	27251849	27251971	Gmdrm	hypo	CHG	-0.6267
Gm16	27253138	27253352	Gmdrm	hypo	CHG	-0.32
Gm16	27253469	27253777	Gmdrm	hypo	CHG	-0.2756
Gm16	27255628	27255733	Gmdrm	hypo	CHG	-0.8183
Gm16	27281705	27282050	Gmdrm	hypo	CHG	-0.235
Gm16	27295585	27295753	Gmdrm	hypo	CHG	-0.36
Gm16	27296742	27296772	Gmdrm	hypo	CHG	-0.408
Gm16	27296959	27296989	Gmdrm	hypo	CHG	-0.0617
Gm16	27300957	27301078	Gmdrm	hypo	CHG	-0.515
Gm16	27316169	27316406	Gmdrm	hypo	CHG	-0.294
Gm16	27319569	27319629	Gmdrm	hypo	CHG	-0.248
Gm16	27335977	27336147	Gmdrm	hypo	CHG	-0.7633
Gm16	27341569	27341782	Gmdrm	hypo	CHG	-0.3836
Gm16	27367240	27367505	Gmdrm	hypo	CHG	-0.2737
Gm16	27374710	27375067	Gmdrm	hypo	CHG	-0.2234
Gm16	27375286	27375911	Gmdrm	hypo	CHG	-0.4666

Gm16	27376770	27376916	Gmdrm	hypo	CHG	-0.8273
Gm16	27386011	27386438	Gmdrm	hypo	CHG	-0.047
Gm16	27386875	27386948	Gmdrm	hypo	CHG	-0.502
Gm16	27387278	27387566	Gmdrm	hypo	CHG	-0.4023
Gm16	27390657	27390801	Gmdrm	hypo	CHG	-0.3788
Gm16	27391819	27392010	Gmdrm	hypo	CHG	-0.525
Gm16	27402701	27403274	Gmdrm	hypo	CHG	-0.1467
Gm16	27416518	27416798	Gmdrm	hypo	CHG	-0.7618
Gm16	27417672	27417771	Gmdrm	hypo	CHG	-0.8166
Gm16	27427633	27427737	Gmdrm	hypo	CHG	-0.265
Gm16	27442516	27442585	Gmdrm	hypo	CHG	-0.278
Gm16	27443883	27444029	Gmdrm	hypo	CHG	-0.765
Gm16	27444170	27444212	Gmdrm	hypo	CHG	-0.714
Gm16	27444669	27444737	Gmdrm	hypo	CHG	-0.5067
Gm16	27471830	27471904	Gmdrm	hypo	CHG	-0.7267
Gm16	27487336	27487643	Gmdrm	hypo	CHG	-0.0267
Gm16	27495478	27495557	Gmdrm	hypo	CHG	-0.31
Gm16	27512896	27513007	Gmdrm	hypo	CHG	-0.3162
Gm16	27521142	27521644	Gmdrm	hypo	CHG	-0.2912
Gm16	27532235	27532376	Gmdrm	hypo	CHG	-0.346
Gm16	27564948	27565308	Gmdrm	hypo	CHG	-0.4856
Gm16	27565889	27566096	Gmdrm	hypo	CHG	-0.2867
Gm16	27566406	27566524	Gmdrm	hypo	CHG	-0.7013
Gm16	27566698	27566770	Gmdrm	hypo	CHG	-0.84
Gm16	27582775	27582984	Gmdrm	hypo	CHG	-0.4663
Gm16	27585156	27585492	Gmdrm	hypo	CHG	-0.3416
Gm16	27606544	27606673	Gmdrm	hypo	CHG	-0.1833
Gm16	27606987	27607138	Gmdrm	hypo	CHG	-0.357
Gm16	27612293	27612379	Gmdrm	hypo	CHG	-0.068
Gm16	27619661	27620225	Gmdrm	hypo	CHG	-0.1636
Gm16	27622229	27622334	Gmdrm	hypo	CHG	-0.8833
Gm16	27624000	27624084	Gmdrm	hypo	CHG	-0.756
Gm16	27625567	27625718	Gmdrm	hypo	CHG	-0.6071
Gm16	27625963	27626275	Gmdrm	hypo	CHG	-0.3232
Gm16	27635351	27636168	Gmdrm	hypo	CHG	-0.1634
Gm16	27647648	27647674	Gmdrm	hypo	CHG	-0.1667
Gm16	27649316	27649442	Gmdrm	hypo	CHG	-0.5523
Gm16	27654733	27654930	Gmdrm	hypo	CHG	-0.6836
Gm16	27655036	27655313	Gmdrm	hypo	CHG	-0.655
Gm16	27655511	27655632	Gmdrm	hypo	CHG	-0.058
Gm16	27675429	27675634	Gmdrm	hypo	CHG	-0.056
Gm16	27676000	27676187	Gmdrm	hypo	CHG	-0.2464
Gm16	27676355	27676843	Gmdrm	hypo	CHG	-0.7257
Gm16	27677039	27677129	Gmdrm	hypo	CHG	-0.6283
Gm16	27677288	27677487	Gmdrm	hypo	CHG	-0.2529
Gm16	27685944	27686140	Gmdrm	hypo	CHG	-0.7325

Gm16	27686532	27686650	Gmdrm	hypo	CHG	-0.172
Gm16	27686780	27687257	Gmdrm	hypo	CHG	-0.1533
Gm16	27688481	27688549	Gmdrm	hypo	CHG	-0.502
Gm16	27693934	27694108	Gmdrm	hypo	CHG	-0.2182
Gm16	27694548	27694564	Gmdrm	hypo	CHG	-0.3833
Gm16	27694886	27695248	Gmdrm	hypo	CHG	-0.285
Gm16	27696935	27697324	Gmdrm	hypo	CHG	-0.6088
Gm16	27698058	27698179	Gmdrm	hypo	CHG	-0.514
Gm16	27698376	27698446	Gmdrm	hypo	CHG	-0.86
Gm16	27699122	27699213	Gmdrm	hypo	CHG	-0.6266
Gm16	27699408	27699493	Gmdrm	hypo	CHG	-0.8287
Gm16	27723040	27723284	Gmdrm	hypo	CHG	-0.353
Gm16	27723621	27723750	Gmdrm	hypo	CHG	-0.1875
Gm16	27725131	27725228	Gmdrm	hypo	CHG	-0.4901
Gm16	27728254	27728463	Gmdrm	hypo	CHG	-0.3863
Gm16	27734041	27734101	Gmdrm	hypo	CHG	-0.3234
Gm16	27736492	27736844	Gmdrm	hypo	CHG	-0.0576
Gm16	27751116	27751380	Gmdrm	hypo	CHG	-0.4054
Gm16	27756174	27756280	Gmdrm	hypo	CHG	-0.2814
Gm16	27756924	27757206	Gmdrm	hypo	CHG	-0.1992
Gm16	27757618	27757679	Gmdrm	hypo	CHG	-0.3366
Gm16	27758591	27758810	Gmdrm	hypo	CHG	-0.0519
Gm16	27760989	27761209	Gmdrm	hypo	CHG	-0.2824
Gm16	27761512	27762130	Gmdrm	hypo	CHG	-0.3076
Gm16	27766805	27767208	Gmdrm	hypo	CHG	-0.6787
Gm16	27789641	27790108	Gmdrm	hypo	CHG	-0.297
Gm16	27790213	27790291	Gmdrm	hypo	CHG	-0.35
Gm16	27793176	27793355	Gmdrm	hypo	CHG	-0.378
Gm16	27794077	27794594	Gmdrm	hypo	CHG	-0.4444
Gm16	27796186	27796344	Gmdrm	hypo	CHG	-0.0989
Gm16	27798772	27799062	Gmdrm	hypo	CHG	-0.1134
Gm16	27799566	27799677	Gmdrm	hypo	CHG	-0.316
Gm16	27799787	27799863	Gmdrm	hypo	CHG	-0.4072
Gm16	27802549	27802610	Gmdrm	hypo	CHG	-0.5033
Gm16	27805246	27805866	Gmdrm	hypo	CHG	-0.0662
Gm16	27805972	27806344	Gmdrm	hypo	CHG	-0.155
Gm16	27806533	27806981	Gmdrm	hypo	CHG	-0.2957
Gm16	27810609	27810712	Gmdrm	hypo	CHG	-0.094
Gm16	27811520	27811843	Gmdrm	hypo	CHG	-0.12
Gm16	27826544	27826799	Gmdrm	hypo	CHG	-0.1991
Gm16	27839623	27839751	Gmdrm	hypo	CHG	-0.2437
Gm16	27858142	27858185	Gmdrm	hypo	CHG	-0.695
Gm16	27858687	27858809	Gmdrm	hypo	CHG	-0.5575
Gm16	27859330	27859721	Gmdrm	hypo	CHG	-0.2768
Gm16	27866002	27866120	Gmdrm	hypo	CHG	-0.44
Gm16	27868864	27868954	Gmdrm	hypo	CHG	-0.264

Gm16	27869626	27869695	Gmdrm	hypo	CHG	-0.168
Gm16	27869841	27869915	Gmdrm	hypo	CHG	-0.2867
Gm16	27870329	27870468	Gmdrm	hypo	CHG	-0.4062
Gm16	27870647	27870703	Gmdrm	hypo	CHG	-0.2563
Gm16	27874417	27874559	Gmdrm	hypo	CHG	-0.392
Gm16	27874685	27875010	Gmdrm	hypo	CHG	-0.2
Gm16	27879044	27879083	Gmdrm	hypo	CHG	-0.0733
Gm16	27879447	27879690	Gmdrm	hypo	CHG	-0.1386
Gm16	27885597	27885891	Gmdrm	hypo	CHG	-0.5437
Gm16	27888336	27888581	Gmdrm	hypo	CHG	-0.199
Gm16	27902810	27903194	Gmdrm	hypo	CHG	-0.2221
Gm16	27908142	27908203	Gmdrm	hypo	CHG	-0.3267
Gm16	27908714	27908862	Gmdrm	hypo	CHG	-0.188
Gm16	27912502	27912820	Gmdrm	hypo	CHG	-0.1809
Gm16	27913046	27913099	Gmdrm	hypo	CHG	-0.032
Gm16	27915233	27915368	Gmdrm	hypo	CHG	-0.1693
Gm16	27926860	27926921	Gmdrm	hypo	CHG	-0.2767
Gm16	27927339	27927574	Gmdrm	hypo	CHG	-0.16
Gm16	27935142	27935721	Gmdrm	hypo	CHG	-0.4963
Gm16	27935827	27935864	Gmdrm	hypo	CHG	-0.485
Gm16	27936224	27936348	Gmdrm	hypo	CHG	-0.53
Gm16	27936487	27936551	Gmdrm	hypo	CHG	-0.4766
Gm16	27943146	27943236	Gmdrm	hypo	CHG	-0.3178
Gm16	27943410	27943958	Gmdrm	hypo	CHG	-0.2005
Gm16	27955536	27955798	Gmdrm	hypo	CHG	-0.4027
Gm16	27956101	27956141	Gmdrm	hypo	CHG	-0.5833
Gm16	27956940	27957163	Gmdrm	hypo	CHG	-0.253
Gm16	27957490	27957587	Gmdrm	hypo	CHG	-0.3857
Gm16	27957734	27957777	Gmdrm	hypo	CHG	-0.37
Gm16	27957916	27958009	Gmdrm	hypo	CHG	-0.2438
Gm16	27958124	27958257	Gmdrm	hypo	CHG	-0.53
Gm16	27963920	27964351	Gmdrm	hypo	CHG	-0.0318
Gm16	27969515	27969857	Gmdrm	hypo	CHG	-0.0434
Gm16	27984064	27984095	Gmdrm	hypo	CHG	-0.6014
Gm16	27991600	27992019	Gmdrm	hypo	CHG	-0.4726
Gm16	27992518	27992593	Gmdrm	hypo	CHG	-0.5733
Gm16	28012530	28013017	Gmdrm	hypo	CHG	-0.4833
Gm16	28040112	28040461	Gmdrm	hypo	CHG	-0.2386
Gm16	28040660	28040763	Gmdrm	hypo	CHG	-0.2633
Gm16	28041145	28041260	Gmdrm	hypo	CHG	-0.6933
Gm16	28056354	28056781	Gmdrm	hypo	CHG	-0.1537
Gm16	28062123	28062765	Gmdrm	hypo	CHG	-0.2003
Gm16	28078496	28078588	Gmdrm	hypo	CHG	-0.4557
Gm16	28096362	28096612	Gmdrm	hypo	CHG	-0.3673
Gm16	28115798	28115857	Gmdrm	hypo	CHG	-0.725
Gm16	28122146	28122266	Gmdrm	hypo	CHG	-0.687

Gm16	28122991	28123077	Gmdrm	hypo	CHG	-0.812
Gm16	28123277	28123357	Gmdrm	hypo	CHG	-0.424
Gm16	28136956	28137102	Gmdrm	hypo	CHG	-0.662
Gm16	28149847	28150250	Gmdrm	hypo	CHG	-0.7827
Gm16	28154465	28154573	Gmdrm	hypo	CHG	-0.175
Gm16	28155023	28155465	Gmdrm	hypo	CHG	-0.55
Gm16	28169038	28169223	Gmdrm	hypo	CHG	-0.6369
Gm16	28169338	28169605	Gmdrm	hypo	CHG	-0.4301
Gm16	28170306	28170785	Gmdrm	hypo	CHG	-0.4051
Gm16	28170893	28171123	Gmdrm	hypo	CHG	-0.2085
Gm16	28173671	28173779	Gmdrm	hypo	CHG	-0.3757
Gm16	28177728	28177772	Gmdrm	hypo	CHG	-0.798
Gm16	28181551	28181912	Gmdrm	hypo	CHG	-0.0317
Gm16	28185164	28185486	Gmdrm	hypo	CHG	-0.1887
Gm16	28190026	28190229	Gmdrm	hypo	CHG	-0.0625
Gm16	28192951	28192998	Gmdrm	hypo	CHG	-0.1267
Gm16	28194839	28195050	Gmdrm	hypo	CHG	-0.6558
Gm16	28197055	28197093	Gmdrm	hypo	CHG	-0.6283
Gm16	28197229	28198025	Gmdrm	hypo	CHG	-0.1347
Gm16	28198144	28198462	Gmdrm	hypo	CHG	-0.1047
Gm16	28198732	28198971	Gmdrm	hypo	CHG	-0.4306
Gm16	28202926	28203287	Gmdrm	hypo	CHG	-0.6573
Gm16	28203940	28204131	Gmdrm	hypo	CHG	-0.545
Gm16	28247272	28247448	Gmdrm	hypo	CHG	-0.2969
Gm16	28259986	28260127	Gmdrm	hypo	CHG	-0.0522
Gm16	28307151	28307400	Gmdrm	hypo	CHG	-0.63
Gm16	28308070	28308216	Gmdrm	hypo	CHG	-0.04
Gm16	28318791	28318897	Gmdrm	hypo	CHG	-0.062
Gm16	28323929	28324520	Gmdrm	hypo	CHG	-0.1879
Gm16	28326306	28326531	Gmdrm	hypo	CHG	-0.1961
Gm16	28348781	28348968	Gmdrm	hypo	CHG	-0.7107
Gm16	28365910	28366200	Gmdrm	hypo	CHG	-0.5321
Gm16	28367705	28367772	Gmdrm	hypo	CHG	-0.524
Gm16	28368394	28368458	Gmdrm	hypo	CHG	-0.8967
Gm16	28368599	28368801	Gmdrm	hypo	CHG	-0.5962
Gm16	28371582	28371656	Gmdrm	hypo	CHG	-0.5771
Gm16	28371861	28372080	Gmdrm	hypo	CHG	-0.5118
Gm16	28372224	28372398	Gmdrm	hypo	CHG	-0.5869
Gm16	28375747	28375824	Gmdrm	hypo	CHG	-0.0917
Gm16	28413115	28413356	Gmdrm	hypo	CHG	-0.0529
Gm16	28413986	28414107	Gmdrm	hypo	CHG	-0.05
Gm16	28449801	28450036	Gmdrm	hypo	CHG	-0.6942
Gm16	28461789	28461932	Gmdrm	hypo	CHG	-0.3575
Gm16	28467469	28467541	Gmdrm	hypo	CHG	-0.6384
Gm16	28468750	28469747	Gmdrm	hypo	CHG	-0.1138
Gm16	28483582	28483648	Gmdrm	hypo	CHG	-0.8117

Gm16	28488224	28488641	Gmdrm	hypo	CHG	-0.1994
Gm16	28506889	28507331	Gmdrm	hypo	CHG	-0.5395
Gm16	28520063	28520197	Gmdrm	hypo	CHG	-0.47
Gm16	28524647	28524842	Gmdrm	hypo	CHG	-0.58
Gm16	28531449	28531656	Gmdrm	hypo	CHG	-0.3175
Gm16	28558063	28558222	Gmdrm	hypo	CHG	-0.085
Gm16	28561882	28562084	Gmdrm	hypo	CHG	-0.3907
Gm16	28565928	28566689	Gmdrm	hypo	CHG	-0.2403
Gm16	28597522	28597699	Gmdrm	hypo	CHG	-0.8135
Gm16	28597945	28598164	Gmdrm	hypo	CHG	-0.601
Gm16	28599161	28599294	Gmdrm	hypo	CHG	-0.735
Gm16	28622307	28622522	Gmdrm	hypo	CHG	-0.7936
Gm16	28636613	28636905	Gmdrm	hypo	CHG	-0.6079
Gm16	28640947	28641138	Gmdrm	hypo	CHG	-0.858
Gm16	28657859	28657955	Gmdrm	hypo	CHG	-0.046
Gm16	28683517	28683719	Gmdrm	hypo	CHG	-0.3325
Gm16	28683902	28684116	Gmdrm	hypo	CHG	-0.2858
Gm16	28688922	28689141	Gmdrm	hypo	CHG	-0.04
Gm16	28694094	28694152	Gmdrm	hypo	CHG	-0.375
Gm16	28706580	28706700	Gmdrm	hypo	CHG	-0.242
Gm16	28722306	28722715	Gmdrm	hypo	CHG	-0.1981
Gm16	28722934	28723124	Gmdrm	hypo	CHG	-0.7114
Gm16	28723247	28723307	Gmdrm	hypo	CHG	-0.708
Gm16	28731657	28731825	Gmdrm	hypo	CHG	-0.4583
Gm16	28734070	28734334	Gmdrm	hypo	CHG	-0.8307
Gm16	28734541	28734674	Gmdrm	hypo	CHG	-0.6818
Gm16	28734924	28735353	Gmdrm	hypo	CHG	-0.264
Gm16	28744375	28744532	Gmdrm	hypo	CHG	-0.449
Gm16	28749522	28749707	Gmdrm	hypo	CHG	-0.8022
Gm16	28750273	28750675	Gmdrm	hypo	CHG	-0.6318
Gm16	28761930	28762078	Gmdrm	hypo	CHG	-0.3963
Gm16	28773150	28773674	Gmdrm	hypo	CHG	-0.2366
Gm16	28774345	28774565	Gmdrm	hypo	CHG	-0.3618
Gm16	28802230	28802340	Gmdrm	hypo	CHG	-0.6317
Gm16	28817697	28818070	Gmdrm	hypo	CHG	-0.3733
Gm16	28822453	28822583	Gmdrm	hypo	CHG	-0.5817
Gm16	28823046	28823151	Gmdrm	hypo	CHG	-0.522
Gm16	28823463	28823550	Gmdrm	hypo	CHG	-0.725
Gm16	28823885	28823979	Gmdrm	hypo	CHG	-0.04
Gm16	28833103	28833174	Gmdrm	hypo	CHG	-0.8117
Gm16	28852258	28852438	Gmdrm	hypo	CHG	-0.2689
Gm16	28852569	28852833	Gmdrm	hypo	CHG	-0.3786
Gm16	28853199	28853230	Gmdrm	hypo	CHG	-0.43
Gm16	28853430	28853518	Gmdrm	hypo	CHG	-0.804
Gm16	28860480	28860596	Gmdrm	hypo	CHG	-0.4684
Gm16	28860789	28860859	Gmdrm	hypo	CHG	-0.4557

Gm16	28876050	28876201	Gmdrm	hypo	CHG	-0.058
Gm16	28879281	28879672	Gmdrm	hypo	CHG	-0.266
Gm16	28911385	28911533	Gmdrm	hypo	CHG	-0.65
Gm16	28928375	28928895	Gmdrm	hypo	CHG	-0.62
Gm16	28932035	28932228	Gmdrm	hypo	CHG	-0.2257
Gm16	28932823	28932947	Gmdrm	hypo	CHG	-0.7183
Gm16	28933264	28933404	Gmdrm	hypo	CHG	-0.5063
Gm16	28935077	28935295	Gmdrm	hypo	CHG	-0.028
Gm16	28970409	28970717	Gmdrm	hypo	CHG	-0.1914
Gm16	28981620	28981728	Gmdrm	hypo	CHG	-0.05
Gm16	28985816	28986108	Gmdrm	hypo	CHG	-0.11
Gm16	28987380	28988090	Gmdrm	hypo	CHG	-0.1714
Gm16	29020316	29020493	Gmdrm	hypo	CHG	-0.319
Gm16	29024349	29024387	Gmdrm	hypo	CHG	-0.508
Gm16	29027181	29027346	Gmdrm	hypo	CHG	-0.2642
Gm16	29089999	29090136	Gmdrm	hypo	CHG	-0.0453
Gm16	29097895	29097949	Gmdrm	hypo	CHG	-0.6283
Gm16	29099960	29100297	Gmdrm	hypo	CHG	-0.0672
Gm16	29108349	29108359	Gmdrm	hypo	CHG	-0.6317
Gm16	29133762	29134100	Gmdrm	hypo	CHG	-0.203
Gm16	29134474	29134573	Gmdrm	hypo	CHG	-0.3057
Gm16	29134793	29135088	Gmdrm	hypo	CHG	-0.3731
Gm16	29135329	29135525	Gmdrm	hypo	CHG	-0.3844
Gm16	29135627	29135727	Gmdrm	hypo	CHG	-0.08
Gm16	29135875	29136060	Gmdrm	hypo	CHG	-0.33
Gm16	29136345	29136684	Gmdrm	hypo	CHG	-0.4862
Gm16	29136798	29136934	Gmdrm	hypo	CHG	-0.3477
Gm16	29137251	29137311	Gmdrm	hypo	CHG	-0.88
Gm16	29137432	29137541	Gmdrm	hypo	CHG	-0.6875
Gm16	29138810	29138885	Gmdrm	hypo	CHG	-0.6267
Gm16	29141113	29141363	Gmdrm	hypo	CHG	-0.7267
Gm16	29141804	29141976	Gmdrm	hypo	CHG	-0.3109
Gm16	29142114	29142330	Gmdrm	hypo	CHG	-0.3225
Gm16	29157073	29157560	Gmdrm	hypo	CHG	-0.3279
Gm16	29160692	29160917	Gmdrm	hypo	CHG	-0.7192
Gm16	29164062	29164250	Gmdrm	hypo	CHG	-0.5238
Gm16	29164476	29164809	Gmdrm	hypo	CHG	-0.5273
Gm16	29211809	29211929	Gmdrm	hypo	CHG	-0.052
Gm16	29238402	29238503	Gmdrm	hypo	CHG	-0.594
Gm16	29238628	29238760	Gmdrm	hypo	CHG	-0.6788
Gm16	29238963	29239051	Gmdrm	hypo	CHG	-0.462
Gm16	29244425	29244962	Gmdrm	hypo	CHG	-0.2152
Gm16	29248995	29249210	Gmdrm	hypo	CHG	-0.1193
Gm16	29263841	29264029	Gmdrm	hypo	CHG	-0.0483
Gm16	29275924	29276182	Gmdrm	hypo	CHG	-0.441
Gm16	29279489	29279608	Gmdrm	hypo	CHG	-0.3085

Gm16	29285918	29286085	Gmdrm	hypo	CHG	-0.255
Gm16	29288185	29288297	Gmdrm	hypo	CHG	-0.4556
Gm16	29309743	29309777	Gmdrm	hypo	CHG	-0.6783
Gm16	29310089	29310196	Gmdrm	hypo	CHG	-0.4789
Gm16	29323768	29323904	Gmdrm	hypo	CHG	-0.3091
Gm16	29324085	29324246	Gmdrm	hypo	CHG	-0.39
Gm16	29332247	29332488	Gmdrm	hypo	CHG	-0.2616
Gm16	29334330	29334429	Gmdrm	hypo	CHG	-0.5413
Gm16	29335001	29335050	Gmdrm	hypo	CHG	-0.68
Gm16	29341934	29342436	Gmdrm	hypo	CHG	-0.4883
Gm16	29347806	29347882	Gmdrm	hypo	CHG	-0.47
Gm16	29348071	29348201	Gmdrm	hypo	CHG	-0.14
Gm16	29351595	29351672	Gmdrm	hypo	CHG	-0.1667
Gm16	29352253	29352359	Gmdrm	hypo	CHG	-0.3588
Gm16	29352488	29352579	Gmdrm	hypo	CHG	-0.5501
Gm16	29354165	29354338	Gmdrm	hypo	CHG	-0.07
Gm16	29357981	29358007	Gmdrm	hypo	CHG	-0.7067
Gm16	29361196	29361261	Gmdrm	hypo	CHG	-0.2517
Gm16	29363955	29364310	Gmdrm	hypo	CHG	-0.2647
Gm16	29368417	29368984	Gmdrm	hypo	CHG	-0.2165
Gm16	29379507	29379620	Gmdrm	hypo	CHG	-0.4026
Gm16	29388557	29388592	Gmdrm	hypo	CHG	-0.835
Gm16	29395492	29395550	Gmdrm	hypo	CHG	-0.64
Gm16	29404385	29404503	Gmdrm	hypo	CHG	-0.655
Gm16	29404624	29404769	Gmdrm	hypo	CHG	-0.6887
Gm16	29407341	29407513	Gmdrm	hypo	CHG	-0.3737
Gm16	29432879	29433193	Gmdrm	hypo	CHG	-0.2641
Gm16	29435417	29435688	Gmdrm	hypo	CHG	-0.04
Gm16	29442056	29442315	Gmdrm	hypo	CHG	-0.8909
Gm16	29442680	29442790	Gmdrm	hypo	CHG	-0.8889
Gm16	29442916	29443006	Gmdrm	hypo	CHG	-0.6634
Gm16	29463393	29464369	Gmdrm	hypo	CHG	-0.2607
Gm16	29475910	29476088	Gmdrm	hypo	CHG	-0.2837
Gm16	29488231	29488590	Gmdrm	hypo	CHG	-0.3453
Gm16	29498336	29498666	Gmdrm	hypo	CHG	-0.4474
Gm16	29508390	29508428	Gmdrm	hypo	CHG	-0.3366
Gm16	29510150	29510285	Gmdrm	hypo	CHG	-0.05
Gm16	29514438	29514474	Gmdrm	hypo	CHG	-0.2333
Gm16	29516001	29516097	Gmdrm	hypo	CHG	-0.2684
Gm16	29528084	29528332	Gmdrm	hypo	CHG	-0.3593
Gm16	29536178	29536230	Gmdrm	hypo	CHG	-0.564
Gm16	29536501	29536541	Gmdrm	hypo	CHG	-0.6167
Gm16	29546548	29546636	Gmdrm	hypo	CHG	-0.62
Gm16	29547826	29548295	Gmdrm	hypo	CHG	-0.2404
Gm16	29560344	29560447	Gmdrm	hypo	CHG	-0.5043
Gm16	29560612	29560823	Gmdrm	hypo	CHG	-0.2822

Gm16	29590052	29590128	Gmdrm	hypo	CHG	-0.255
Gm16	29595093	29595405	Gmdrm	hypo	CHG	-0.6836
Gm16	29595524	29595655	Gmdrm	hypo	CHG	-0.9025
Gm16	29595756	29596081	Gmdrm	hypo	CHG	-0.7106
Gm16	29598322	29598530	Gmdrm	hypo	CHG	-0.0433
Gm16	29598660	29598807	Gmdrm	hypo	CHG	-0.55
Gm16	29608374	29608430	Gmdrm	hypo	CHG	-0.2625
Gm16	29608849	29608938	Gmdrm	hypo	CHG	-0.0467
Gm16	29609754	29610071	Gmdrm	hypo	CHG	-0.5077
Gm16	29610507	29610911	Gmdrm	hypo	CHG	-0.6179
Gm16	29611806	29612055	Gmdrm	hypo	CHG	-0.3513
Gm16	29629866	29630020	Gmdrm	hypo	CHG	-0.038
Gm16	29642939	29643029	Gmdrm	hypo	CHG	-0.375
Gm16	29643154	29643252	Gmdrm	hypo	CHG	-0.7467
Gm16	29643450	29643535	Gmdrm	hypo	CHG	-0.1
Gm16	29676139	29676304	Gmdrm	hypo	CHG	-0.034
Gm16	29691082	29691174	Gmdrm	hypo	CHG	-0.478
Gm16	29701357	29701394	Gmdrm	hypo	CHG	-0.432
Gm16	29701921	29702086	Gmdrm	hypo	CHG	-0.495
Gm16	29707624	29708571	Gmdrm	hypo	CHG	-0.1758
Gm16	29708666	29708824	Gmdrm	hypo	CHG	-0.323
Gm16	29711375	29711542	Gmdrm	hypo	CHG	-0.1112
Gm16	29711945	29712036	Gmdrm	hypo	CHG	-0.1634
Gm16	29714882	29714931	Gmdrm	hypo	CHG	-0.674
Gm16	29719936	29720125	Gmdrm	hypo	CHG	-0.4955
Gm16	29725182	29725276	Gmdrm	hypo	CHG	-0.368
Gm16	29726680	29726870	Gmdrm	hypo	CHG	-0.54
Gm16	29734984	29735369	Gmdrm	hypo	CHG	-0.3643
Gm16	29742264	29742343	Gmdrm	hypo	CHG	-0.426
Gm16	29744756	29745109	Gmdrm	hypo	CHG	-0.603
Gm16	29747050	29747985	Gmdrm	hypo	CHG	-0.2464
Gm16	29748053	29748113	Gmdrm	hypo	CHG	-0.276
Gm16	29748278	29748373	Gmdrm	hypo	CHG	-0.4934
Gm16	29775358	29775451	Gmdrm	hypo	CHG	-0.525
Gm16	29778891	29779113	Gmdrm	hypo	CHG	-0.1217
Gm16	29789338	29789484	Gmdrm	hypo	CHG	-0.5357
Gm16	29789601	29790025	Gmdrm	hypo	CHG	-0.853
Gm16	29791927	29792089	Gmdrm	hypo	CHG	-0.603
Gm16	29792192	29792286	Gmdrm	hypo	CHG	-0.57
Gm16	29804450	29804693	Gmdrm	hypo	CHG	-0.5545
Gm16	29832999	29833043	Gmdrm	hypo	CHG	-0.2967
Gm16	29833348	29833533	Gmdrm	hypo	CHG	-0.3671
Gm16	29880389	29880412	Gmdrm	hypo	CHG	-0.075
Gm16	29896654	29896859	Gmdrm	hypo	CHG	-0.1173
Gm16	29896969	29897159	Gmdrm	hypo	CHG	-0.7713
Gm16	29906919	29907049	Gmdrm	hypo	CHG	-0.0425

Gm16	29908632	29909235	Gmdrm	hypo	CHG	-0.0639
Gm16	29917551	29917600	Gmdrm	hypo	CHG	-0.115
Gm16	29973163	29973488	Gmdrm	hypo	CHG	-0.2954
Gm16	29973836	29973930	Gmdrm	hypo	CHG	-0.3783
Gm16	29985487	29985773	Gmdrm	hypo	CHG	-0.2009
Gm16	30029254	30029399	Gmdrm	hypo	CHG	-0.2534
Gm16	30033076	30033199	Gmdrm	hypo	CHG	-0.4929
Gm16	30051431	30051727	Gmdrm	hypo	CHG	-0.3037
Gm16	30052052	30052126	Gmdrm	hypo	CHG	-0.3472
Gm16	30065338	30065883	Gmdrm	hypo	CHG	-0.7174
Gm16	30067899	30067990	Gmdrm	hypo	CHG	-0.805
Gm16	30083815	30083874	Gmdrm	hypo	CHG	-0.08
Gm16	30089052	30089258	Gmdrm	hypo	CHG	-0.3937
Gm16	30090416	30090572	Gmdrm	hypo	CHG	-0.3933
Gm16	30093792	30094066	Gmdrm	hypo	CHG	-0.5629
Gm16	30097798	30097997	Gmdrm	hypo	CHG	-0.0243
Gm16	30098198	30098612	Gmdrm	hypo	CHG	-0.3824
Gm16	30129804	30129907	Gmdrm	hypo	CHG	-0.3774
Gm16	30134710	30135174	Gmdrm	hypo	CHG	-0.2859
Gm16	30140225	30140328	Gmdrm	hypo	CHG	-0.344
Gm16	30140572	30140792	Gmdrm	hypo	CHG	-0.3513
Gm16	30148008	30148187	Gmdrm	hypo	CHG	-0.3767
Gm16	30150066	30150200	Gmdrm	hypo	CHG	-0.4672
Gm16	30160156	30160271	Gmdrm	hypo	CHG	-0.6863
Gm16	30196317	30196416	Gmdrm	hypo	CHG	-0.12
Gm16	30217030	30217236	Gmdrm	hypo	CHG	-0.04
Gm16	30219203	30219371	Gmdrm	hypo	CHG	-0.6692
Gm16	30219594	30219743	Gmdrm	hypo	CHG	-0.5413
Gm16	30220310	30220459	Gmdrm	hypo	CHG	-0.1979
Gm16	30220649	30220863	Gmdrm	hypo	CHG	-0.3427
Gm16	30220967	30221044	Gmdrm	hypo	CHG	-0.702
Gm16	30221152	30221242	Gmdrm	hypo	CHG	-0.6934
Gm16	30225887	30226248	Gmdrm	hypo	CHG	-0.032
Gm16	30227656	30227858	Gmdrm	hypo	CHG	-0.4414
Gm16	30233378	30233430	Gmdrm	hypo	CHG	-0.052
Gm16	30234831	30235075	Gmdrm	hypo	CHG	-0.7947
Gm16	30236059	30236101	Gmdrm	hypo	CHG	-0.865
Gm16	30236275	30236317	Gmdrm	hypo	CHG	-0.7217
Gm16	30240107	30240205	Gmdrm	hypo	CHG	-0.084
Gm16	30261964	30262139	Gmdrm	hypo	CHG	-0.7177
Gm16	30267159	30268154	Gmdrm	hypo	CHG	-0.1488
Gm16	30273889	30274058	Gmdrm	hypo	CHG	-0.7955
Gm16	30274325	30274504	Gmdrm	hypo	CHG	-0.5588
Gm16	30310917	30310961	Gmdrm	hypo	CHG	-0.7363
Gm16	30313471	30313620	Gmdrm	hypo	CHG	-0.6018
Gm16	30314171	30314265	Gmdrm	hypo	CHG	-0.825

Gm16	30321210	30321248	Gmdrm	hypo	CHG	-0.335
Gm16	30323470	30323663	Gmdrm	hypo	CHG	-0.025
Gm16	30324192	30324272	Gmdrm	hypo	CHG	-0.7133
Gm16	30361861	30361931	Gmdrm	hypo	CHG	-0.042
Gm16	30375908	30376046	Gmdrm	hypo	CHG	-0.6757
Gm16	30376366	30376568	Gmdrm	hypo	CHG	-0.7728
Gm16	30386905	30387104	Gmdrm	hypo	CHG	-0.4129
Gm16	30388760	30388886	Gmdrm	hypo	CHG	-0.156
Gm16	30389770	30389847	Gmdrm	hypo	CHG	-0.4133
Gm16	30397977	30398298	Gmdrm	hypo	CHG	-0.7086
Gm16	30404663	30404767	Gmdrm	hypo	CHG	-0.4966
Gm16	30405432	30405586	Gmdrm	hypo	CHG	-0.788
Gm16	30408516	30408650	Gmdrm	hypo	CHG	-0.5416
Gm16	30408894	30408945	Gmdrm	hypo	CHG	-0.7514
Gm16	30422178	30422286	Gmdrm	hypo	CHG	-0.064
Gm16	30442996	30443308	Gmdrm	hypo	CHG	-0.3467
Gm16	30453695	30453820	Gmdrm	hypo	CHG	-0.4256
Gm16	30454013	30454143	Gmdrm	hypo	CHG	-0.5533
Gm16	30454646	30454786	Gmdrm	hypo	CHG	-0.2949
Gm16	30455790	30456083	Gmdrm	hypo	CHG	-0.2353
Gm16	30462407	30462569	Gmdrm	hypo	CHG	-0.51
Gm16	30463101	30463381	Gmdrm	hypo	CHG	-0.07
Gm16	30473435	30473502	Gmdrm	hypo	CHG	-0.086
Gm16	30478858	30478930	Gmdrm	hypo	CHG	-0.91
Gm16	30479034	30479126	Gmdrm	hypo	CHG	-0.844
Gm16	30523785	30523932	Gmdrm	hypo	CHG	-0.2156
Gm16	30534582	30534722	Gmdrm	hypo	CHG	-0.8164
Gm16	30537544	30537642	Gmdrm	hypo	CHG	-0.2788
Gm16	30539193	30539553	Gmdrm	hypo	CHG	-0.2775
Gm16	30539699	30539903	Gmdrm	hypo	CHG	-0.27
Gm16	30557536	30557622	Gmdrm	hypo	CHG	-0.2125
Gm16	30569884	30570300	Gmdrm	hypo	CHG	-0.3971
Gm16	30570724	30570947	Gmdrm	hypo	CHG	-0.45
Gm16	30580000	30580152	Gmdrm	hypo	CHG	-0.41
Gm16	30580755	30580880	Gmdrm	hypo	CHG	-0.8714
Gm16	30587615	30587687	Gmdrm	hypo	CHG	-0.53
Gm16	30587807	30588091	Gmdrm	hypo	CHG	-0.342
Gm16	30622261	30622492	Gmdrm	hypo	CHG	-0.8464
Gm16	30623677	30623727	Gmdrm	hypo	CHG	-0.032
Gm16	30623949	30624028	Gmdrm	hypo	CHG	-0.2817
Gm16	30625371	30625870	Gmdrm	hypo	CHG	-0.425
Gm16	30652768	30652870	Gmdrm	hypo	CHG	-0.045
Gm16	30663151	30663341	Gmdrm	hypo	CHG	-0.215
Gm16	30677625	30677967	Gmdrm	hypo	CHG	-0.1211
Gm16	30678967	30679103	Gmdrm	hypo	CHG	-0.1075
Gm16	30682633	30682771	Gmdrm	hypo	CHG	-0.3032

Gm16	30723064	30723211	Gmdrm	hypo	CHG	-0.678
Gm16	30736445	30736587	Gmdrm	hypo	CHG	-0.4538
Gm16	30736700	30736850	Gmdrm	hypo	CHG	-0.6471
Gm16	30740594	30740868	Gmdrm	hypo	CHG	-0.4322
Gm16	30741290	30741393	Gmdrm	hypo	CHG	-0.7343
Gm16	30775947	30775986	Gmdrm	hypo	CHG	-0.046
Gm16	30780848	30781089	Gmdrm	hypo	CHG	-0.689
Gm16	30781203	30781323	Gmdrm	hypo	CHG	-0.5285
Gm16	30788012	30788073	Gmdrm	hypo	CHG	-0.512
Gm16	30788235	30788331	Gmdrm	hypo	CHG	-0.514
Gm16	30802156	30802251	Gmdrm	hypo	CHG	-0.7214
Gm16	30819186	30819696	Gmdrm	hypo	CHG	-0.2594
Gm16	30821779	30822631	Gmdrm	hypo	CHG	-0.4878
Gm16	30829756	30830188	Gmdrm	hypo	CHG	-0.5006
Gm16	30841943	30842371	Gmdrm	hypo	CHG	-0.7752
Gm16	30845036	30845165	Gmdrm	hypo	CHG	-0.7275
Gm16	30858008	30858651	Gmdrm	hypo	CHG	-0.8627
Gm16	30884090	30884362	Gmdrm	hypo	CHG	-0.6729
Gm16	30898792	30898956	Gmdrm	hypo	CHG	-0.7199
Gm16	30899116	30899268	Gmdrm	hypo	CHG	-0.5564
Gm16	30906491	30906829	Gmdrm	hypo	CHG	-0.9027
Gm16	30912797	30913326	Gmdrm	hypo	CHG	-0.215
Gm16	30919407	30919948	Gmdrm	hypo	CHG	-0.0764
Gm16	30924529	30924750	Gmdrm	hypo	CHG	-0.7585
Gm16	30945920	30946089	Gmdrm	hypo	CHG	-0.1067
Gm16	30946210	30946347	Gmdrm	hypo	CHG	-0.2922
Gm16	30946862	30947256	Gmdrm	hypo	CHG	-0.2009
Gm16	30949597	30949758	Gmdrm	hypo	CHG	-0.0612
Gm16	30960883	30961016	Gmdrm	hypo	CHG	-0.704
Gm16	30961322	30961475	Gmdrm	hypo	CHG	-0.9125
Gm16	30974814	30974851	Gmdrm	hypo	CHG	-0.7516
Gm16	30978399	30978538	Gmdrm	hypo	CHG	-0.0671
Gm16	30980616	30981070	Gmdrm	hypo	CHG	-0.1236
Gm16	30981340	30981523	Gmdrm	hypo	CHG	-0.6433
Gm16	30997912	30998565	Gmdrm	hypo	CHG	-0.3188
Gm16	31000040	31000332	Gmdrm	hypo	CHG	-0.7038
Gm16	31000470	31000618	Gmdrm	hypo	CHG	-0.4812
Gm16	31008095	31008272	Gmdrm	hypo	CHG	-0.0457
Gm16	31025563	31025644	Gmdrm	hypo	CHG	-0.8
Gm16	31036866	31037307	Gmdrm	hypo	CHG	-0.4547
Gm16	31039855	31040097	Gmdrm	hypo	CHG	-0.0571
Gm16	31065065	31065157	Gmdrm	hypo	CHG	-0.63
Gm16	31085165	31085393	Gmdrm	hypo	CHG	-0.1575
Gm16	31093821	31094169	Gmdrm	hypo	CHG	-0.4131
Gm16	31094713	31095004	Gmdrm	hypo	CHG	-0.7609
Gm16	31099527	31099666	Gmdrm	hypo	CHG	-0.03

Gm16	31105358	31105462	Gmdrm	hypo	CHG	-0.6733
Gm16	31139275	31139382	Gmdrm	hypo	CHG	-0.086
Gm16	31146999	31147146	Gmdrm	hypo	CHG	-0.4078
Gm16	31147370	31147831	Gmdrm	hypo	CHG	-0.629
Gm16	31149563	31150100	Gmdrm	hypo	CHG	-0.4775
Gm16	31151892	31152157	Gmdrm	hypo	CHG	-0.4587
Gm16	31157076	31157249	Gmdrm	hypo	CHG	-0.0388
Gm16	31165990	31166248	Gmdrm	hypo	CHG	-0.4948
Gm16	31166517	31166643	Gmdrm	hypo	CHG	-0.4087
Gm16	31169985	31170414	Gmdrm	hypo	CHG	-0.3735
Gm16	31174663	31175165	Gmdrm	hypo	CHG	-0.373
Gm16	31175465	31175854	Gmdrm	hypo	CHG	-0.58
Gm16	31175995	31176156	Gmdrm	hypo	CHG	-0.2989
Gm16	31176359	31176467	Gmdrm	hypo	CHG	-0.078
Gm16	31176983	31177148	Gmdrm	hypo	CHG	-0.1955
Gm16	31177409	31177504	Gmdrm	hypo	CHG	-0.43
Gm16	31181792	31181843	Gmdrm	hypo	CHG	-0.592
Gm16	31181959	31182479	Gmdrm	hypo	CHG	-0.1917
Gm16	31191181	31191406	Gmdrm	hypo	CHG	-0.0866
Gm16	31194592	31194851	Gmdrm	hypo	CHG	-0.4822
Gm16	31195121	31195217	Gmdrm	hypo	CHG	-0.7986
Gm16	31205107	31205242	Gmdrm	hypo	CHG	-0.7443
Gm16	31220610	31220815	Gmdrm	hypo	CHG	-0.3545
Gm16	31223948	31224057	Gmdrm	hypo	CHG	-0.11
Gm16	31224281	31224362	Gmdrm	hypo	CHG	-0.5
Gm16	31224495	31224613	Gmdrm	hypo	CHG	-0.3187
Gm16	31230137	31230298	Gmdrm	hypo	CHG	-0.0527
Gm16	31242334	31242608	Gmdrm	hypo	CHG	-0.764
Gm16	31250258	31250335	Gmdrm	hypo	CHG	-0.2612
Gm16	31253242	31253462	Gmdrm	hypo	CHG	-0.4878
Gm16	31257210	31257380	Gmdrm	hypo	CHG	-0.3791
Gm16	31290950	31291182	Gmdrm	hypo	CHG	-0.585
Gm16	31291284	31291451	Gmdrm	hypo	CHG	-0.6591
Gm16	31310394	31310670	Gmdrm	hypo	CHG	-0.801
Gm16	31311863	31311968	Gmdrm	hypo	CHG	-0.6733
Gm16	31315159	31315632	Gmdrm	hypo	CHG	-0.3336
Gm16	31315790	31315912	Gmdrm	hypo	CHG	-0.3277
Gm16	31322087	31322693	Gmdrm	hypo	CHG	-0.1832
Gm16	31322817	31323558	Gmdrm	hypo	CHG	-0.3083
Gm16	31323664	31324538	Gmdrm	hypo	CHG	-0.2725
Gm16	31350005	31350155	Gmdrm	hypo	CHG	-0.4891
Gm16	31359401	31359563	Gmdrm	hypo	CHG	-0.525
Gm16	31361582	31361705	Gmdrm	hypo	CHG	-0.364
Gm16	31365455	31365785	Gmdrm	hypo	CHG	-0.2453
Gm16	31369367	31369615	Gmdrm	hypo	CHG	-0.05
Gm16	31370319	31370707	Gmdrm	hypo	CHG	-0.2756

Gm16	31370899	31371111	Gmdrm	hypo	CHG	-0.3789
Gm16	31382736	31383136	Gmdrm	hypo	CHG	-0.0491
Gm16	31385088	31385685	Gmdrm	hypo	CHG	-0.4152
Gm16	31396159	31396244	Gmdrm	hypo	CHG	-0.5243
Gm16	31403841	31404215	Gmdrm	hypo	CHG	-0.8592
Gm16	31422902	31423023	Gmdrm	hypo	CHG	-0.2733
Gm16	31471212	31471364	Gmdrm	hypo	CHG	-0.254
Gm16	31471867	31471974	Gmdrm	hypo	CHG	-0.2955
Gm16	31472132	31472352	Gmdrm	hypo	CHG	-0.2253
Gm16	31477499	31477668	Gmdrm	hypo	CHG	-0.6288
Gm16	31488683	31489092	Gmdrm	hypo	CHG	-0.6846
Gm16	31489773	31489909	Gmdrm	hypo	CHG	-0.672
Gm16	31503807	31504111	Gmdrm	hypo	CHG	-0.0463
Gm16	31512162	31512482	Gmdrm	hypo	CHG	-0.0389
Gm16	31526472	31526677	Gmdrm	hypo	CHG	-0.5867
Gm16	31526801	31527021	Gmdrm	hypo	CHG	-0.801
Gm16	31540993	31541504	Gmdrm	hypo	CHG	-0.0638
Gm16	31544932	31545424	Gmdrm	hypo	CHG	-0.674
Gm16	31546273	31546357	Gmdrm	hypo	CHG	-0.5717
Gm16	31557038	31557159	Gmdrm	hypo	CHG	-0.5414
Gm16	31560578	31560698	Gmdrm	hypo	CHG	-0.294
Gm16	31567283	31567474	Gmdrm	hypo	CHG	-0.5525
Gm16	31587208	31587330	Gmdrm	hypo	CHG	-0.3533
Gm16	31588567	31588624	Gmdrm	hypo	CHG	-0.07
Gm16	31588744	31588887	Gmdrm	hypo	CHG	-0.2262
Gm16	31593126	31593428	Gmdrm	hypo	CHG	-0.5872
Gm16	31593664	31593936	Gmdrm	hypo	CHG	-0.7295
Gm16	31595131	31595206	Gmdrm	hypo	CHG	-0.4683
Gm16	31595307	31595617	Gmdrm	hypo	CHG	-0.5467
Gm16	31596031	31596191	Gmdrm	hypo	CHG	-0.714
Gm16	31598554	31598667	Gmdrm	hypo	CHG	-0.7971
Gm16	31598781	31599100	Gmdrm	hypo	CHG	-0.7607
Gm16	31607878	31608080	Gmdrm	hypo	CHG	-0.6812
Gm16	31628981	31629073	Gmdrm	hypo	CHG	-0.044
Gm16	31656845	31657146	Gmdrm	hypo	CHG	-0.0943
Gm16	31660305	31660510	Gmdrm	hypo	CHG	-0.0556
Gm16	31666131	31666234	Gmdrm	hypo	CHG	-0.0513
Gm16	31671369	31671646	Gmdrm	hypo	CHG	-0.0223
Gm16	31685477	31685682	Gmdrm	hypo	CHG	-0.0326
Gm16	31692164	31692215	Gmdrm	hypo	CHG	-0.2829
Gm16	31696739	31697076	Gmdrm	hypo	CHG	-0.0166
Gm16	31704354	31704644	Gmdrm	hypo	CHG	-0.8043
Gm16	31705596	31705652	Gmdrm	hypo	CHG	-0.596
Gm16	31705758	31705954	Gmdrm	hypo	CHG	-0.717
Gm16	31706798	31706937	Gmdrm	hypo	CHG	-0.0571
Gm16	31708922	31708974	Gmdrm	hypo	CHG	-0.056

Gm16	31714864	31714906	Gmdrm	hypo	CHG	-0.87
Gm16	31722919	31723185	Gmdrm	hypo	CHG	-0.6488
Gm16	31723305	31723467	Gmdrm	hypo	CHG	-0.046
Gm16	31725921	31726282	Gmdrm	hypo	CHG	-0.57
Gm16	31757093	31757380	Gmdrm	hypo	CHG	-0.3489
Gm16	31757543	31757628	Gmdrm	hypo	CHG	-0.498
Gm16	31757999	31758300	Gmdrm	hypo	CHG	-0.0383
Gm16	31764944	31765096	Gmdrm	hypo	CHG	-0.65
Gm16	31787255	31787524	Gmdrm	hypo	CHG	-0.03
Gm16	31788622	31788964	Gmdrm	hypo	CHG	-0.3688
Gm16	31818329	31818654	Gmdrm	hypo	CHG	-0.7269
Gm16	31821582	31821861	Gmdrm	hypo	CHG	-0.7317
Gm16	31827902	31828292	Gmdrm	hypo	CHG	-0.06
Gm16	31832551	31832744	Gmdrm	hypo	CHG	-0.032
Gm16	31834236	31834411	Gmdrm	hypo	CHG	-0.08
Gm16	31838393	31838476	Gmdrm	hypo	CHG	-0.196
Gm16	31838679	31838863	Gmdrm	hypo	CHG	-0.8974
Gm16	31856759	31856925	Gmdrm	hypo	CHG	-0.686
Gm16	31857192	31857538	Gmdrm	hypo	CHG	-0.1889
Gm16	31865580	31865812	Gmdrm	hypo	CHG	-0.3962
Gm16	31865921	31865982	Gmdrm	hypo	CHG	-0.3933
Gm16	31882814	31882957	Gmdrm	hypo	CHG	-0.7692
Gm16	31883127	31883228	Gmdrm	hypo	CHG	-0.6433
Gm16	31883457	31883624	Gmdrm	hypo	CHG	-0.3657
Gm16	31886816	31887322	Gmdrm	hypo	CHG	-0.4373
Gm16	31888040	31888337	Gmdrm	hypo	CHG	-0.0383
Gm16	31889086	31889256	Gmdrm	hypo	CHG	-0.4243
Gm16	31890953	31891226	Gmdrm	hypo	CHG	-0.3284
Gm16	31891587	31891712	Gmdrm	hypo	CHG	-0.3324
Gm16	31898038	31898122	Gmdrm	hypo	CHG	-0.354
Gm16	31898295	31898410	Gmdrm	hypo	CHG	-0.2688
Gm16	31899551	31900076	Gmdrm	hypo	CHG	-0.55
Gm16	31907483	31907587	Gmdrm	hypo	CHG	-0.4516
Gm16	31907746	31907863	Gmdrm	hypo	CHG	-0.5163
Gm16	31970954	31971116	Gmdrm	hypo	CHG	-0.046
Gm16	31973201	31973250	Gmdrm	hypo	CHG	-0.4517
Gm16	31973467	31973488	Gmdrm	hypo	CHG	-0.47
Gm16	31973782	31973891	Gmdrm	hypo	CHG	-0.5567
Gm16	31984929	31985048	Gmdrm	hypo	CHG	-0.218
Gm16	31999443	31999574	Gmdrm	hypo	CHG	-0.78
Gm16	32015271	32015322	Gmdrm	hypo	CHG	-0.7662
Gm16	32015450	32015554	Gmdrm	hypo	CHG	-0.6825
Gm16	32016365	32016629	Gmdrm	hypo	CHG	-0.5145
Gm16	32017178	32017337	Gmdrm	hypo	CHG	-0.2393
Gm16	32028577	32028723	Gmdrm	hypo	CHG	-0.6863
Gm16	32028979	32029023	Gmdrm	hypo	CHG	-0.7228

Gm16	32034472	32034505	Gmdrm	hypo	CHG	-0.1043
Gm16	32046303	32046745	Gmdrm	hypo	CHG	-0.1668
Gm16	32076146	32076275	Gmdrm	hypo	CHG	-0.1188
Gm16	32117412	32117617	Gmdrm	hypo	CHG	-0.3389
Gm16	32117866	32118248	Gmdrm	hypo	CHG	-0.0969
Gm16	32123347	32123555	Gmdrm	hypo	CHG	-0.0529
Gm16	32124074	32124149	Gmdrm	hypo	CHG	-0.2262
Gm16	32126960	32127296	Gmdrm	hypo	CHG	-0.189
Gm16	32140224	32140532	Gmdrm	hypo	CHG	-0.6995
Gm16	32140685	32140872	Gmdrm	hypo	CHG	-0.6227
Gm16	32140978	32141608	Gmdrm	hypo	CHG	-0.5374
Gm16	32146902	32147017	Gmdrm	hypo	CHG	-0.654
Gm16	32154360	32154522	Gmdrm	hypo	CHG	-0.7479
Gm16	32159870	32160070	Gmdrm	hypo	CHG	-0.5616
Gm16	32160688	32160919	Gmdrm	hypo	CHG	-0.3783
Gm16	32168947	32169267	Gmdrm	hypo	CHG	-0.3975
Gm16	32183509	32183674	Gmdrm	hypo	CHG	-0.05
Gm16	32185497	32185658	Gmdrm	hypo	CHG	-0.555
Gm16	32189633	32189969	Gmdrm	hypo	CHG	-0.3044
Gm16	32190185	32190685	Gmdrm	hypo	CHG	-0.0406
Gm16	32194570	32195063	Gmdrm	hypo	CHG	-0.3716
Gm16	32206311	32206507	Gmdrm	hypo	CHG	-0.3463
Gm16	32207427	32207599	Gmdrm	hypo	CHG	-0.038
Gm16	32213831	32214422	Gmdrm	hypo	CHG	-0.2423
Gm16	32225954	32226346	Gmdrm	hypo	CHG	-0.1613
Gm16	32228773	32228937	Gmdrm	hypo	CHG	-0.5812
Gm16	32229155	32229350	Gmdrm	hypo	CHG	-0.4355
Gm16	32237801	32237865	Gmdrm	hypo	CHG	-0.04
Gm16	32239077	32239252	Gmdrm	hypo	CHG	-0.453
Gm16	32249216	32249461	Gmdrm	hypo	CHG	-0.4889
Gm16	32265681	32265954	Gmdrm	hypo	CHG	-0.5222
Gm16	32270904	32271117	Gmdrm	hypo	CHG	-0.0863
Gm16	32289146	32290059	Gmdrm	hypo	CHG	-0.0304
Gm16	32309773	32309960	Gmdrm	hypo	CHG	-0.5889
Gm16	32326602	32326734	Gmdrm	hypo	CHG	-0.3675
Gm16	32338351	32338568	Gmdrm	hypo	CHG	-0.04
Gm16	32346310	32346357	Gmdrm	hypo	CHG	-0.124
Gm16	32346536	32346886	Gmdrm	hypo	CHG	-0.0311
Gm16	32347573	32347755	Gmdrm	hypo	CHG	-0.1125
Gm16	32350149	32350982	Gmdrm	hypo	CHG	-0.0309
Gm16	32366788	32366881	Gmdrm	hypo	CHG	-0.2914
Gm16	32367035	32367089	Gmdrm	hypo	CHG	-0.27
Gm16	32368820	32369334	Gmdrm	hypo	CHG	-0.4356
Gm16	32370435	32370719	Gmdrm	hypo	CHG	-0.0433
Gm16	32381630	32382144	Gmdrm	hypo	CHG	-0.479
Gm16	32384879	32384973	Gmdrm	hypo	CHG	-0.8478

Gm16	32394735	32394797	Gmdrm	hypo	CHG	-0.0675
Gm16	32454969	32455119	Gmdrm	hypo	CHG	-0.7566
Gm16	32455349	32455469	Gmdrm	hypo	CHG	-0.6262
Gm16	32458899	32459052	Gmdrm	hypo	CHG	-0.465
Gm16	32466380	32466493	Gmdrm	hypo	CHG	-0.052
Gm16	32491945	32492163	Gmdrm	hypo	CHG	-0.08
Gm16	32493014	32493185	Gmdrm	hypo	CHG	-0.3666
Gm16	32520211	32520306	Gmdrm	hypo	CHG	-0.3225
Gm16	32523843	32523967	Gmdrm	hypo	CHG	-0.6867
Gm16	32527535	32527602	Gmdrm	hypo	CHG	-0.6512
Gm16	32563262	32563566	Gmdrm	hypo	CHG	-0.8317
Gm16	32569565	32569777	Gmdrm	hypo	CHG	-0.0765
Gm16	32577040	32577122	Gmdrm	hypo	CHG	-0.49
Gm16	32581519	32581635	Gmdrm	hypo	CHG	-0.3825
Gm16	32597099	32597686	Gmdrm	hypo	CHG	-0.0236
Gm16	32616066	32616185	Gmdrm	hypo	CHG	-0.66
Gm16	32649399	32649446	Gmdrm	hypo	CHG	-0.048
Gm16	32649745	32649884	Gmdrm	hypo	CHG	-0.77
Gm16	32650106	32650512	Gmdrm	hypo	CHG	-0.5653
Gm16	32657962	32658093	Gmdrm	hypo	CHG	-0.6071
Gm16	32658341	32658655	Gmdrm	hypo	CHG	-0.4653
Gm16	32666513	32666690	Gmdrm	hypo	CHG	-0.5834
Gm16	32669025	32669371	Gmdrm	hypo	CHG	-0.0293
Gm16	32696479	32696616	Gmdrm	hypo	CHG	-0.03
Gm16	32710838	32711216	Gmdrm	hypo	CHG	-0.0887
Gm16	32711334	32711458	Gmdrm	hypo	CHG	-0.64
Gm16	32714981	32715500	Gmdrm	hypo	CHG	-0.2203
Gm16	32733236	32733322	Gmdrm	hypo	CHG	-0.6344
Gm16	32735147	32735209	Gmdrm	hypo	CHG	-0.898
Gm16	32735310	32735421	Gmdrm	hypo	CHG	-0.8188
Gm16	32752591	32753017	Gmdrm	hypo	CHG	-0.7043
Gm16	32753162	32753408	Gmdrm	hypo	CHG	-0.0433
Gm16	32763820	32763891	Gmdrm	hypo	CHG	-0.738
Gm16	32807995	32808383	Gmdrm	hypo	CHG	-0.04
Gm16	32840634	32840883	Gmdrm	hypo	CHG	-0.113
Gm16	32864074	32864165	Gmdrm	hypo	CHG	-0.512
Gm16	32876625	32876888	Gmdrm	hypo	CHG	-0.6825
Gm16	32882261	32882456	Gmdrm	hypo	CHG	-0.0371
Gm16	32888071	32888189	Gmdrm	hypo	CHG	-0.5373
Gm16	32888587	32889203	Gmdrm	hypo	CHG	-0.4224
Gm16	32895006	32895039	Gmdrm	hypo	CHG	-0.92
Gm16	32895267	32895313	Gmdrm	hypo	CHG	-0.6366
Gm16	32895855	32895986	Gmdrm	hypo	CHG	-0.402
Gm16	32905157	32905313	Gmdrm	hypo	CHG	-0.084
Gm16	32906377	32906485	Gmdrm	hypo	CHG	-0.14
Gm16	32914458	32914686	Gmdrm	hypo	CHG	-0.741

Gm16	32917848	32918104	Gmdrm	hypo	CHG	-0.3787
Gm16	32948565	32948729	Gmdrm	hypo	CHG	-0.05
Gm16	32971577	32971721	Gmdrm	hypo	CHG	-0.4372
Gm16	32982532	32982656	Gmdrm	hypo	CHG	-0.5225
Gm16	32982942	32983000	Gmdrm	hypo	CHG	-0.625
Gm16	32983175	32983278	Gmdrm	hypo	CHG	-0.108
Gm16	32995145	32995322	Gmdrm	hypo	CHG	-0.159
Gm16	32995501	32995895	Gmdrm	hypo	CHG	-0.434
Gm16	33000627	33000679	Gmdrm	hypo	CHG	-0.0725
Gm16	33039924	33040370	Gmdrm	hypo	CHG	-0.2748
Gm16	33040514	33040846	Gmdrm	hypo	CHG	-0.365
Gm16	33041280	33041397	Gmdrm	hypo	CHG	-0.6361
Gm16	33045372	33045638	Gmdrm	hypo	CHG	-0.2419
Gm16	33053329	33053529	Gmdrm	hypo	CHG	-0.0692
Gm16	33058911	33059329	Gmdrm	hypo	CHG	-0.067
Gm16	33064066	33064741	Gmdrm	hypo	CHG	-0.3516
Gm16	33078927	33079075	Gmdrm	hypo	CHG	-0.045
Gm16	33079271	33079650	Gmdrm	hypo	CHG	-0.1295
Gm16	33087879	33087983	Gmdrm	hypo	CHG	-0.575
Gm16	33088087	33088210	Gmdrm	hypo	CHG	-0.634
Gm16	33089010	33089141	Gmdrm	hypo	CHG	-0.138
Gm16	33091264	33091443	Gmdrm	hypo	CHG	-0.23
Gm16	33091575	33091704	Gmdrm	hypo	CHG	-0.07
Gm16	33104039	33104071	Gmdrm	hypo	CHG	-0.4116
Gm16	33104295	33104620	Gmdrm	hypo	CHG	-0.16
Gm16	33110644	33110855	Gmdrm	hypo	CHG	-0.072
Gm16	33128697	33129142	Gmdrm	hypo	CHG	-0.7719
Gm16	33135344	33135533	Gmdrm	hypo	CHG	-0.2
Gm16	33142954	33143069	Gmdrm	hypo	CHG	-0.312
Gm16	33143465	33143692	Gmdrm	hypo	CHG	-0.7233
Gm16	33143964	33144078	Gmdrm	hypo	CHG	-0.1483
Gm16	33145183	33145546	Gmdrm	hypo	CHG	-0.3275
Gm16	33163629	33163793	Gmdrm	hypo	CHG	-0.304
Gm16	33164469	33164611	Gmdrm	hypo	CHG	-0.2567
Gm16	33164773	33164836	Gmdrm	hypo	CHG	-0.3633
Gm16	33174740	33175062	Gmdrm	hypo	CHG	-0.238
Gm16	33175175	33175393	Gmdrm	hypo	CHG	-0.3945
Gm16	33175496	33175664	Gmdrm	hypo	CHG	-0.27
Gm16	33187604	33187786	Gmdrm	hypo	CHG	-0.16
Gm16	33213942	33214141	Gmdrm	hypo	CHG	-0.044
Gm16	33218541	33218733	Gmdrm	hypo	CHG	-0.7383
Gm16	33225726	33226042	Gmdrm	hypo	CHG	-0.0408
Gm16	33266333	33266725	Gmdrm	hypo	CHG	-0.3984
Gm16	33267201	33267388	Gmdrm	hypo	CHG	-0.4612
Gm16	33268794	33268860	Gmdrm	hypo	CHG	-0.872
Gm16	33269370	33269671	Gmdrm	hypo	CHG	-0.4971

Gm16	33271998	33272077	Gmdrm	hypo	CHG	-0.432
Gm16	33272902	33273202	Gmdrm	hypo	CHG	-0.4575
Gm16	33273474	33273513	Gmdrm	hypo	CHG	-0.15
Gm16	33280215	33280318	Gmdrm	hypo	CHG	-0.425
Gm16	33280485	33280596	Gmdrm	hypo	CHG	-0.42
Gm16	33280826	33280887	Gmdrm	hypo	CHG	-0.35
Gm16	33281085	33281148	Gmdrm	hypo	CHG	-0.56
Gm16	33281934	33282183	Gmdrm	hypo	CHG	-0.1256
Gm16	33282402	33282640	Gmdrm	hypo	CHG	-0.42
Gm16	33300912	33301162	Gmdrm	hypo	CHG	-0.2908
Gm16	33305066	33305274	Gmdrm	hypo	CHG	-0.7119
Gm16	33307370	33307450	Gmdrm	hypo	CHG	-0.285
Gm16	33307577	33307622	Gmdrm	hypo	CHG	-0.1588
Gm16	33314459	33314628	Gmdrm	hypo	CHG	-0.32
Gm16	33316002	33316136	Gmdrm	hypo	CHG	-0.2283
Gm16	33324360	33324606	Gmdrm	hypo	CHG	-0.1755
Gm16	33324713	33324813	Gmdrm	hypo	CHG	-0.09
Gm16	33330332	33330428	Gmdrm	hypo	CHG	-0.265
Gm16	33331021	33331155	Gmdrm	hypo	CHG	-0.2033
Gm16	33332015	33332076	Gmdrm	hypo	CHG	-0.2117
Gm16	33333124	33333618	Gmdrm	hypo	CHG	-0.3447
Gm16	33333936	33333975	Gmdrm	hypo	CHG	-0.3025
Gm16	33334279	33334556	Gmdrm	hypo	CHG	-0.1075
Gm16	33337557	33337981	Gmdrm	hypo	CHG	-0.1706
Gm16	33340304	33341297	Gmdrm	hypo	CHG	-0.2712
Gm16	33345997	33346351	Gmdrm	hypo	CHG	-0.3482
Gm16	33350735	33350990	Gmdrm	hypo	CHG	-0.5946
Gm16	33351125	33351509	Gmdrm	hypo	CHG	-0.6019
Gm16	33351891	33351996	Gmdrm	hypo	CHG	-0.4667
Gm16	33352352	33352565	Gmdrm	hypo	CHG	-0.1792
Gm16	33356892	33357142	Gmdrm	hypo	CHG	-0.3393
Gm16	33358683	33358787	Gmdrm	hypo	CHG	-0.19
Gm16	33359004	33359116	Gmdrm	hypo	CHG	-0.3357
Gm16	33361115	33361495	Gmdrm	hypo	CHG	-0.3364
Gm16	33361640	33361679	Gmdrm	hypo	CHG	-0.205
Gm16	33365236	33365317	Gmdrm	hypo	CHG	-0.1
Gm16	33365462	33365631	Gmdrm	hypo	CHG	-0.0867
Gm16	33368202	33368481	Gmdrm	hypo	CHG	-0.5481
Gm16	33378574	33378898	Gmdrm	hypo	CHG	-0.312
Gm16	33381363	33381501	Gmdrm	hypo	CHG	-0.4413
Gm16	33381639	33381819	Gmdrm	hypo	CHG	-0.0978
Gm16	33384166	33384311	Gmdrm	hypo	CHG	-0.098
Gm16	33384564	33385131	Gmdrm	hypo	CHG	-0.1542
Gm16	33387305	33387406	Gmdrm	hypo	CHG	-0.2657
Gm16	33417320	33417401	Gmdrm	hypo	CHG	-0.6543
Gm16	33418073	33418260	Gmdrm	hypo	CHG	-0.4616

Gm16	33418573	33418771	Gmdrm	hypo	CHG	-0.3333
Gm16	33419740	33420489	Gmdrm	hypo	CHG	-0.2622
Gm16	33425286	33425495	Gmdrm	hypo	CHG	-0.2178
Gm16	33436095	33436513	Gmdrm	hypo	CHG	-0.2446
Gm16	33436961	33437147	Gmdrm	hypo	CHG	-0.591
Gm16	33439226	33439550	Gmdrm	hypo	CHG	-0.3593
Gm16	33440860	33440941	Gmdrm	hypo	CHG	-0.2062
Gm16	33446618	33446914	Gmdrm	hypo	CHG	-0.1323
Gm16	33448443	33448539	Gmdrm	hypo	CHG	-0.4817
Gm16	33449758	33449897	Gmdrm	hypo	CHG	-0.2528
Gm16	33450123	33450184	Gmdrm	hypo	CHG	-0.3483
Gm16	33450906	33451463	Gmdrm	hypo	CHG	-0.1553
Gm16	33451577	33451824	Gmdrm	hypo	CHG	-0.4282
Gm16	33469958	33470147	Gmdrm	hypo	CHG	-0.1355
Gm16	33472693	33472754	Gmdrm	hypo	CHG	-0.4117
Gm16	33473430	33473824	Gmdrm	hypo	CHG	-0.091
Gm16	33474033	33474312	Gmdrm	hypo	CHG	-0.288
Gm16	33482918	33483893	Gmdrm	hypo	CHG	-0.2786
Gm16	33483919	33484563	Gmdrm	hypo	CHG	-0.237
Gm16	33487483	33488474	Gmdrm	hypo	CHG	-0.1598
Gm16	33495654	33495853	Gmdrm	hypo	CHG	-0.03
Gm16	33514869	33514949	Gmdrm	hypo	CHG	-0.7912
Gm16	33521133	33521193	Gmdrm	hypo	CHG	-0.8133
Gm16	33521390	33521584	Gmdrm	hypo	CHG	-0.8042
Gm16	33540795	33540938	Gmdrm	hypo	CHG	-0.046
Gm16	33543586	33543628	Gmdrm	hypo	CHG	-0.125
Gm16	33552151	33552193	Gmdrm	hypo	CHG	-0.2938
Gm16	33563466	33563884	Gmdrm	hypo	CHG	-0.5992
Gm16	33564204	33564322	Gmdrm	hypo	CHG	-0.4433
Gm16	33564561	33564756	Gmdrm	hypo	CHG	-0.3358
Gm16	33572262	33572382	Gmdrm	hypo	CHG	-0.508
Gm16	33572633	33572943	Gmdrm	hypo	CHG	-0.7615
Gm16	33573917	33574165	Gmdrm	hypo	CHG	-0.04
Gm16	33579431	33579646	Gmdrm	hypo	CHG	-0.637
Gm16	33582765	33582948	Gmdrm	hypo	CHG	-0.064
Gm16	33591018	33591214	Gmdrm	hypo	CHG	-0.6175
Gm16	33606999	33607192	Gmdrm	hypo	CHG	-0.0467
Gm16	33618103	33618282	Gmdrm	hypo	CHG	-0.1743
Gm16	33620086	33620625	Gmdrm	hypo	CHG	-0.1938
Gm16	33621016	33621338	Gmdrm	hypo	CHG	-0.122
Gm16	33623809	33623949	Gmdrm	hypo	CHG	-0.0483
Gm16	33624597	33624775	Gmdrm	hypo	CHG	-0.284
Gm16	33627077	33627278	Gmdrm	hypo	CHG	-0.1089
Gm16	33635385	33635720	Gmdrm	hypo	CHG	-0.1657
Gm16	33637051	33637086	Gmdrm	hypo	CHG	-0.1967
Gm16	33645241	33645431	Gmdrm	hypo	CHG	-0.26

Gm16	33651553	33651918	Gmdrm	hypo	CHG	-0.0425
Gm16	33668598	33668756	Gmdrm	hypo	CHG	-0.054
Gm16	33670307	33670500	Gmdrm	hypo	CHG	-0.1767
Gm16	33676582	33676943	Gmdrm	hypo	CHG	-0.1425
Gm16	33677746	33677855	Gmdrm	hypo	CHG	-0.392
Gm16	33751104	33751208	Gmdrm	hypo	CHG	-0.156
Gm16	33753035	33753572	Gmdrm	hypo	CHG	-0.14
Gm16	33757045	33757274	Gmdrm	hypo	CHG	-0.0177
Gm16	33758458	33758567	Gmdrm	hypo	CHG	-0.06
Gm16	33758857	33759380	Gmdrm	hypo	CHG	-0.0108
Gm16	33767059	33767397	Gmdrm	hypo	CHG	-0.1875
Gm16	33774273	33774530	Gmdrm	hypo	CHG	-0.03
Gm16	33775006	33775238	Gmdrm	hypo	CHG	-0.0162
Gm16	33790133	33790242	Gmdrm	hypo	CHG	-0.2422
Gm16	33793715	33793902	Gmdrm	hypo	CHG	-0.2738
Gm16	33794009	33794068	Gmdrm	hypo	CHG	-0.205
Gm16	33794218	33794506	Gmdrm	hypo	CHG	-0.02
Gm16	33794620	33795110	Gmdrm	hypo	CHG	-0.0098
Gm16	33795373	33795451	Gmdrm	hypo	CHG	-0.0537
Gm16	33795573	33795614	Gmdrm	hypo	CHG	-0.0449
Gm16	33801133	33801235	Gmdrm	hypo	CHG	-0.032
Gm16	33801575	33802013	Gmdrm	hypo	CHG	-0.0183
Gm16	33807057	33807138	Gmdrm	hypo	CHG	-0.04
Gm16	33810830	33810979	Gmdrm	hypo	CHG	-0.0586
Gm16	33813877	33814059	Gmdrm	hypo	CHG	-0.137
Gm16	33822362	33822822	Gmdrm	hypo	CHG	-0.4309
Gm16	33832150	33832401	Gmdrm	hypo	CHG	-0.3628
Gm16	33832805	33832993	Gmdrm	hypo	CHG	-0.03
Gm16	33835064	33835173	Gmdrm	hypo	CHG	-0.2189
Gm16	33835319	33835571	Gmdrm	hypo	CHG	-0.0233
Gm16	33848227	33848303	Gmdrm	hypo	CHG	-0.095
Gm16	33859957	33860115	Gmdrm	hypo	CHG	-0.4972
Gm16	33860735	33860845	Gmdrm	hypo	CHG	-0.7434
Gm16	33863079	33863279	Gmdrm	hypo	CHG	-0.713
Gm16	33886035	33886127	Gmdrm	hypo	CHG	-0.7183
Gm16	33906757	33907011	Gmdrm	hypo	CHG	-0.1059
Gm16	33918474	33918878	Gmdrm	hypo	CHG	-0.8413
Gm16	33921948	33922207	Gmdrm	hypo	CHG	-0.0345
Gm16	33924298	33924444	Gmdrm	hypo	CHG	-0.5689
Gm16	33940477	33940581	Gmdrm	hypo	CHG	-0.3309
Gm16	33944199	33944605	Gmdrm	hypo	CHG	-0.8469
Gm16	33958302	33958455	Gmdrm	hypo	CHG	-0.0683
Gm16	33961483	33961610	Gmdrm	hypo	CHG	-0.8413
Gm16	33974897	33975007	Gmdrm	hypo	CHG	-0.4717
Gm16	33975245	33975424	Gmdrm	hypo	CHG	-0.8608
Gm16	33980930	33981175	Gmdrm	hypo	CHG	-0.3838

Gm16	33981682	33981775 Gmdrm	hypo	CHG	-0.3917
Gm16	33985622	33985970 Gmdrm	hypo	CHG	-0.03
Gm16	33987972	33988430 Gmdrm	hypo	CHG	-0.2159
Gm16	33995351	33995634 Gmdrm	hypo	CHG	-0.04
Gm16	33997327	33997374 Gmdrm	hypo	CHG	-0.324
Gm16	34004757	34004972 Gmdrm	hypo	CHG	-0.095
Gm16	34005295	34005657 Gmdrm	hypo	CHG	-0.366
Gm16	34008256	34008356 Gmdrm	hypo	CHG	-0.3625
Gm16	34008459	34009387 Gmdrm	hypo	CHG	-0.3856
Gm16	34009673	34009836 Gmdrm	hypo	CHG	-0.1213
Gm16	34012947	34013069 Gmdrm	hypo	CHG	-0.187
Gm16	34014268	34014645 Gmdrm	hypo	CHG	-0.514
Gm16	34028320	34028735 Gmdrm	hypo	CHG	-0.3415
Gm16	34037025	34037262 Gmdrm	hypo	CHG	-0.17
Gm16	34042221	34042421 Gmdrm	hypo	CHG	-0.4842
Gm16	34044260	34044359 Gmdrm	hypo	CHG	-0.1087
Gm16	34044867	34045177 Gmdrm	hypo	CHG	-0.6782
Gm16	34064919	34065076 Gmdrm	hypo	CHG	-0.038
Gm16	34065368	34065538 Gmdrm	hypo	CHG	-0.1128
Gm16	34069911	34070220 Gmdrm	hypo	CHG	-0.8783
Gm16	34070375	34070486 Gmdrm	hypo	CHG	-0.7443
Gm16	34071374	34071464 Gmdrm	hypo	CHG	-0.0386
Gm16	34077593	34077925 Gmdrm	hypo	CHG	-0.0356
Gm16	34098574	34098747 Gmdrm	hypo	CHG	-0.0617
Gm16	34120254	34120380 Gmdrm	hypo	CHG	-0.9386
Gm16	34123292	34123346 Gmdrm	hypo	CHG	-0.056
Gm16	34123463	34123725 Gmdrm	hypo	CHG	-0.451
Gm16	34140845	34141020 Gmdrm	hypo	CHG	-0.63
Gm16	34142834	34142939 Gmdrm	hypo	CHG	-0.3714
Gm16	34144139	34144410 Gmdrm	hypo	CHG	-0.383
Gm16	34149099	34149211 Gmdrm	hypo	CHG	-0.36
Gm16	34156301	34156533 Gmdrm	hypo	CHG	-0.7563
Gm16	34156634	34156699 Gmdrm	hypo	CHG	-0.91
Gm16	34157077	34157175 Gmdrm	hypo	CHG	-0.79
Gm16	34157338	34157624 Gmdrm	hypo	CHG	-0.112
Gm16	34208552	34208729 Gmdrm	hypo	CHG	-0.5622
Gm16	34224163	34224285 Gmdrm	hypo	CHG	-0.37
Gm16	34224408	34224473 Gmdrm	hypo	CHG	-0.54
Gm16	34224658	34224771 Gmdrm	hypo	CHG	-0.7458
Gm16	34225317	34225583 Gmdrm	hypo	CHG	-0.05
Gm16	34227667	34227974 Gmdrm	hypo	CHG	-0.0457
Gm16	34236044	34236128 Gmdrm	hypo	CHG	-0.056
Gm16	34251395	34251783 Gmdrm	hypo	CHG	-0.5307
Gm16	34251896	34252045 Gmdrm	hypo	CHG	-0.7662
Gm16	34260887	34261141 Gmdrm	hypo	CHG	-0.76
Gm16	34261360	34261482 Gmdrm	hypo	CHG	-0.52

Gm16	34280514	34280565	Gmdrm	hypo	CHG	-0.4633
Gm16	34285976	34286357	Gmdrm	hypo	CHG	-0.3127
Gm16	34286530	34286566	Gmdrm	hypo	CHG	-0.83
Gm16	34297793	34298088	Gmdrm	hypo	CHG	-0.8416
Gm16	34300898	34301344	Gmdrm	hypo	CHG	-0.0346
Gm16	34306015	34306221	Gmdrm	hypo	CHG	-0.3133
Gm16	34315940	34315972	Gmdrm	hypo	CHG	-0.5843
Gm16	34327548	34327725	Gmdrm	hypo	CHG	-0.5256
Gm16	34328239	34328393	Gmdrm	hypo	CHG	-0.7166
Gm16	34328597	34328766	Gmdrm	hypo	CHG	-0.1825
Gm16	34355063	34356029	Gmdrm	hypo	CHG	-0.7106
Gm16	34388822	34389068	Gmdrm	hypo	CHG	-0.26
Gm16	34396910	34397075	Gmdrm	hypo	CHG	-0.056
Gm16	34403586	34403951	Gmdrm	hypo	CHG	-0.4285
Gm16	34424661	34424918	Gmdrm	hypo	CHG	-0.4369
Gm16	34427453	34427566	Gmdrm	hypo	CHG	-0.62
Gm16	34432609	34432687	Gmdrm	hypo	CHG	-0.09
Gm16	34468093	34468208	Gmdrm	hypo	CHG	-0.05
Gm16	34475543	34476021	Gmdrm	hypo	CHG	-0.0447
Gm16	34480701	34480831	Gmdrm	hypo	CHG	-0.3363
Gm16	34488192	34488419	Gmdrm	hypo	CHG	-0.0933
Gm16	34488522	34488727	Gmdrm	hypo	CHG	-0.6556
Gm16	34489094	34489121	Gmdrm	hypo	CHG	-0.79
Gm16	34489225	34489434	Gmdrm	hypo	CHG	-0.62
Gm16	34489645	34489868	Gmdrm	hypo	CHG	-0.6046
Gm16	34494135	34494382	Gmdrm	hypo	CHG	-0.0612
Gm16	34512960	34513035	Gmdrm	hypo	CHG	-0.82
Gm16	34513295	34513506	Gmdrm	hypo	CHG	-0.4092
Gm16	34514358	34514492	Gmdrm	hypo	CHG	-0.06
Gm16	34520991	34521366	Gmdrm	hypo	CHG	-0.4167
Gm16	34523596	34523720	Gmdrm	hypo	CHG	-0.7171
Gm16	34523833	34523940	Gmdrm	hypo	CHG	-0.82
Gm16	34531907	34532126	Gmdrm	hypo	CHG	-0.0562
Gm16	34533424	34533483	Gmdrm	hypo	CHG	-0.052
Gm16	34539722	34539842	Gmdrm	hypo	CHG	-0.038
Gm16	34540024	34540440	Gmdrm	hypo	CHG	-0.751
Gm16	34547687	34547715	Gmdrm	hypo	CHG	-0.0362
Gm16	34573252	34573404	Gmdrm	hypo	CHG	-0.6378
Gm16	34585458	34585531	Gmdrm	hypo	CHG	-0.6567
Gm16	34600039	34600174	Gmdrm	hypo	CHG	-0.9
Gm16	34600293	34600441	Gmdrm	hypo	CHG	-0.8183
Gm16	34607998	34608119	Gmdrm	hypo	CHG	-0.666
Gm16	34610623	34610791	Gmdrm	hypo	CHG	-0.4053
Gm16	34611763	34611837	Gmdrm	hypo	CHG	-0.4714
Gm16	34612961	34613010	Gmdrm	hypo	CHG	-0.4617
Gm16	34614630	34614749	Gmdrm	hypo	CHG	-0.416

Gm16	34623588	34623619	Gmdrm	hypo	CHG	-0.312
Gm16	34628769	34629130	Gmdrm	hypo	CHG	-0.203
Gm16	34629773	34629931	Gmdrm	hypo	CHG	-0.2913
Gm16	34630529	34630850	Gmdrm	hypo	CHG	-0.2356
Gm16	34636959	34637143	Gmdrm	hypo	CHG	-0.0433
Gm16	34640496	34640609	Gmdrm	hypo	CHG	-0.082
Gm16	34642734	34642854	Gmdrm	hypo	CHG	-0.4683
Gm16	34642984	34643226	Gmdrm	hypo	CHG	-0.61
Gm16	34644257	34644399	Gmdrm	hypo	CHG	-0.6512
Gm16	34644515	34644759	Gmdrm	hypo	CHG	-0.4673
Gm16	34644944	34645111	Gmdrm	hypo	CHG	-0.347
Gm16	34645225	34645288	Gmdrm	hypo	CHG	-0.7575
Gm16	34645823	34646122	Gmdrm	hypo	CHG	-0.1415
Gm16	34646459	34646508	Gmdrm	hypo	CHG	-0.628
Gm16	34650940	34651014	Gmdrm	hypo	CHG	-0.6155
Gm16	34651126	34651305	Gmdrm	hypo	CHG	-0.3953
Gm16	34651411	34651704	Gmdrm	hypo	CHG	-0.4017
Gm16	34652803	34653091	Gmdrm	hypo	CHG	-0.2665
Gm16	34674091	34674259	Gmdrm	hypo	CHG	-0.046
Gm16	34715747	34716010	Gmdrm	hypo	CHG	-0.3654
Gm16	34716308	34716567	Gmdrm	hypo	CHG	-0.53
Gm16	34717092	34717376	Gmdrm	hypo	CHG	-0.4216
Gm16	34717559	34717996	Gmdrm	hypo	CHG	-0.5045
Gm16	34718105	34718184	Gmdrm	hypo	CHG	-0.6444
Gm16	34718394	34718599	Gmdrm	hypo	CHG	-0.245
Gm16	34740479	34741163	Gmdrm	hypo	CHG	-0.2374
Gm16	34741823	34741894	Gmdrm	hypo	CHG	-0.4133
Gm16	34749707	34749812	Gmdrm	hypo	CHG	-0.4143
Gm16	34750270	34750455	Gmdrm	hypo	CHG	-0.1875
Gm16	34755619	34756176	Gmdrm	hypo	CHG	-0.265
Gm16	34775111	34775376	Gmdrm	hypo	CHG	-0.3928
Gm16	34781463	34781534	Gmdrm	hypo	CHG	-0.5
Gm16	34791858	34791983	Gmdrm	hypo	CHG	-0.4743
Gm16	34798564	34798597	Gmdrm	hypo	CHG	-0.3267
Gm16	34800028	34800220	Gmdrm	hypo	CHG	-0.132
Gm16	34805060	34806058	Gmdrm	hypo	CHG	-0.4452
Gm16	34806087	34806670	Gmdrm	hypo	CHG	-0.5148
Gm16	34806843	34807254	Gmdrm	hypo	CHG	-0.4425
Gm16	34807388	34807489	Gmdrm	hypo	CHG	-0.4764
Gm16	34807608	34808343	Gmdrm	hypo	CHG	-0.4181
Gm16	34811858	34811974	Gmdrm	hypo	CHG	-0.0575
Gm16	34823690	34824242	Gmdrm	hypo	CHG	-0.3991
Gm16	34824374	34825020	Gmdrm	hypo	CHG	-0.5179
Gm16	34825521	34825791	Gmdrm	hypo	CHG	-0.6557
Gm16	34825909	34826028	Gmdrm	hypo	CHG	-0.518
Gm16	34830202	34830425	Gmdrm	hypo	CHG	-0.1342

Gm16	34838282	34838449	Gmdrm	hypo	CHG	-0.29
Gm16	34839004	34839317	Gmdrm	hypo	CHG	-0.5577
Gm16	34840007	34840326	Gmdrm	hypo	CHG	-0.2154
Gm16	34851760	34852166	Gmdrm	hypo	CHG	-0.4673
Gm16	34852308	34852426	Gmdrm	hypo	CHG	-0.415
Gm16	34853229	34853317	Gmdrm	hypo	CHG	-0.384
Gm16	34853451	34853550	Gmdrm	hypo	CHG	-0.3343
Gm16	34853666	34853766	Gmdrm	hypo	CHG	-0.4042
Gm16	34853904	34854054	Gmdrm	hypo	CHG	-0.1687
Gm16	34854861	34854910	Gmdrm	hypo	CHG	-0.23
Gm16	34868143	34868598	Gmdrm	hypo	CHG	-0.2296
Gm16	34868753	34869156	Gmdrm	hypo	CHG	-0.2967
Gm16	34869964	34870242	Gmdrm	hypo	CHG	-0.3394
Gm16	34871439	34871641	Gmdrm	hypo	CHG	-0.0829
Gm16	34873218	34873373	Gmdrm	hypo	CHG	-0.356
Gm16	34882597	34882935	Gmdrm	hypo	CHG	-0.089
Gm16	34883116	34883431	Gmdrm	hypo	CHG	-0.1447
Gm16	34883536	34883906	Gmdrm	hypo	CHG	-0.2246
Gm16	34886338	34887174	Gmdrm	hypo	CHG	-0.399
Gm16	34887614	34887752	Gmdrm	hypo	CHG	-0.7486
Gm16	34887870	34888193	Gmdrm	hypo	CHG	-0.4522
Gm16	34888329	34888412	Gmdrm	hypo	CHG	-0.438
Gm16	34888526	34889162	Gmdrm	hypo	CHG	-0.2824
Gm16	34889287	34889495	Gmdrm	hypo	CHG	-0.1766
Gm16	34898595	34898842	Gmdrm	hypo	CHG	-0.16
Gm16	34905573	34905647	Gmdrm	hypo	CHG	-0.0433
Gm16	34906892	34907883	Gmdrm	hypo	CHG	-0.3327
Gm16	34913726	34914097	Gmdrm	hypo	CHG	-0.4369
Gm16	34914203	34914488	Gmdrm	hypo	CHG	-0.2452
Gm16	34914708	34914784	Gmdrm	hypo	CHG	-0.2314
Gm16	34916424	34916527	Gmdrm	hypo	CHG	-0.328
Gm16	34927359	34927514	Gmdrm	hypo	CHG	-0.44
Gm16	34927687	34927790	Gmdrm	hypo	CHG	-0.442
Gm16	34937875	34938084	Gmdrm	hypo	CHG	-0.1836
Gm16	34960838	34960998	Gmdrm	hypo	CHG	-0.29
Gm16	34967979	34968178	Gmdrm	hypo	CHG	-0.3762
Gm16	34968308	34968367	Gmdrm	hypo	CHG	-0.4029
Gm16	34968485	34968587	Gmdrm	hypo	CHG	-0.3867
Gm16	34969124	34969618	Gmdrm	hypo	CHG	-0.5132
Gm16	34969725	34969875	Gmdrm	hypo	CHG	-0.6275
Gm16	34969990	34970143	Gmdrm	hypo	CHG	-0.4916
Gm16	34970275	34970368	Gmdrm	hypo	CHG	-0.3426
Gm16	34970501	34970588	Gmdrm	hypo	CHG	-0.57
Gm16	34970777	34970856	Gmdrm	hypo	CHG	-0.562
Gm16	34970962	34971228	Gmdrm	hypo	CHG	-0.3653
Gm16	34971679	34971759	Gmdrm	hypo	CHG	-0.064

Gm16	34973046	34973090	Gmdrm	hypo	CHG	-0.2967
Gm16	34974875	34974919	Gmdrm	hypo	CHG	-0.135
Gm16	34975469	34975687	Gmdrm	hypo	CHG	-0.4417
Gm16	34976352	34976647	Gmdrm	hypo	CHG	-0.54
Gm16	34977077	34977109	Gmdrm	hypo	CHG	-0.4283
Gm16	34984438	34984571	Gmdrm	hypo	CHG	-0.1834
Gm16	34985132	34985337	Gmdrm	hypo	CHG	-0.165
Gm16	34985477	34985551	Gmdrm	hypo	CHG	-0.4029
Gm16	34985879	34986191	Gmdrm	hypo	CHG	-0.2775
Gm16	34991815	34992054	Gmdrm	hypo	CHG	-0.3967
Gm16	34992453	34992781	Gmdrm	hypo	CHG	-0.4995
Gm16	34993674	34993977	Gmdrm	hypo	CHG	-0.285
Gm16	34994258	34994305	Gmdrm	hypo	CHG	-0.452
Gm16	34995772	34995875	Gmdrm	hypo	CHG	-0.175
Gm16	35001321	35001464	Gmdrm	hypo	CHG	-0.4317
Gm16	35001869	35002224	Gmdrm	hypo	CHG	-0.4725
Gm16	35003151	35003242	Gmdrm	hypo	CHG	-0.392
Gm16	35003370	35003526	Gmdrm	hypo	CHG	-0.4125
Gm16	35003946	35004419	Gmdrm	hypo	CHG	-0.2557
Gm16	35004702	35004785	Gmdrm	hypo	CHG	-0.2711
Gm16	35006090	35006246	Gmdrm	hypo	CHG	-0.39
Gm16	35017835	35018201	Gmdrm	hypo	CHG	-0.1877
Gm16	35019961	35020413	Gmdrm	hypo	CHG	-0.3489
Gm16	35020543	35020786	Gmdrm	hypo	CHG	-0.4793
Gm16	35021788	35021962	Gmdrm	hypo	CHG	-0.3656
Gm16	35022123	35022447	Gmdrm	hypo	CHG	-0.6028
Gm16	35022579	35022971	Gmdrm	hypo	CHG	-0.6145
Gm16	35023089	35023874	Gmdrm	hypo	CHG	-0.3887
Gm16	35024153	35024595	Gmdrm	hypo	CHG	-0.4038
Gm16	35026270	35026375	Gmdrm	hypo	CHG	-0.4471
Gm16	35035460	35035794	Gmdrm	hypo	CHG	-0.294
Gm16	35131616	35131989	Gmdrm	hypo	CHG	-0.0281
Gm16	35134178	35134327	Gmdrm	hypo	CHG	-0.574
Gm16	35135274	35135607	Gmdrm	hypo	CHG	-0.4839
Gm16	35135735	35135877	Gmdrm	hypo	CHG	-0.5271
Gm16	35136318	35136650	Gmdrm	hypo	CHG	-0.386
Gm16	35136782	35136848	Gmdrm	hypo	CHG	-0.2557
Gm16	35136993	35137021	Gmdrm	hypo	CHG	-0.474
Gm16	35137139	35137575	Gmdrm	hypo	CHG	-0.2422
Gm16	35138198	35138276	Gmdrm	hypo	CHG	-0.35
Gm16	35147060	35147218	Gmdrm	hypo	CHG	-0.2091
Gm16	35156054	35156218	Gmdrm	hypo	CHG	-0.0857
Gm16	35156752	35156865	Gmdrm	hypo	CHG	-0.1157
Gm16	35162494	35163323	Gmdrm	hypo	CHG	-0.1632
Gm16	35170260	35170339	Gmdrm	hypo	CHG	-0.2085
Gm16	35172264	35172564	Gmdrm	hypo	CHG	-0.155

Gm16	35178619	35178823	Gmdrm	hypo	CHG	-0.2529
Gm16	35179978	35180106	Gmdrm	hypo	CHG	-0.06
Gm16	35180245	35180332	Gmdrm	hypo	CHG	-0.2533
Gm16	35180593	35180666	Gmdrm	hypo	CHG	-0.226
Gm16	35194817	35195133	Gmdrm	hypo	CHG	-0.2631
Gm16	35195318	35195928	Gmdrm	hypo	CHG	-0.3848
Gm16	35196034	35196311	Gmdrm	hypo	CHG	-0.4318
Gm16	35202247	35202575	Gmdrm	hypo	CHG	-0.4181
Gm16	35202926	35203031	Gmdrm	hypo	CHG	-0.4333
Gm16	35203149	35203724	Gmdrm	hypo	CHG	-0.3677
Gm16	35204736	35204773	Gmdrm	hypo	CHG	-0.48
Gm16	35208044	35208600	Gmdrm	hypo	CHG	-0.2445
Gm16	35211411	35211439	Gmdrm	hypo	CHG	-0.5517
Gm16	35211753	35212314	Gmdrm	hypo	CHG	-0.2886
Gm16	35212919	35213088	Gmdrm	hypo	CHG	-0.2483
Gm16	35213520	35213645	Gmdrm	hypo	CHG	-0.2033
Gm16	35214948	35215210	Gmdrm	hypo	CHG	-0.1078
Gm16	35215319	35215429	Gmdrm	hypo	CHG	-0.1425
Gm16	35215570	35215738	Gmdrm	hypo	CHG	-0.0854
Gm16	35217132	35217453	Gmdrm	hypo	CHG	-0.1458
Gm16	35218676	35218756	Gmdrm	hypo	CHG	-0.3138
Gm16	35219372	35219593	Gmdrm	hypo	CHG	-0.0988
Gm16	35226985	35227150	Gmdrm	hypo	CHG	-0.1492
Gm16	35227903	35228345	Gmdrm	hypo	CHG	-0.208
Gm16	35241227	35241539	Gmdrm	hypo	CHG	-0.2723
Gm16	35241671	35241732	Gmdrm	hypo	CHG	-0.23
Gm16	35241874	35242203	Gmdrm	hypo	CHG	-0.1774
Gm16	35242432	35242809	Gmdrm	hypo	CHG	-0.1806
Gm16	35244488	35244535	Gmdrm	hypo	CHG	-0.3557
Gm16	35244676	35244778	Gmdrm	hypo	CHG	-0.3438
Gm16	35262719	35262943	Gmdrm	hypo	CHG	-0.26
Gm16	35263048	35263135	Gmdrm	hypo	CHG	-0.3517
Gm16	35264365	35264511	Gmdrm	hypo	CHG	-0.3054
Gm16	35264866	35265099	Gmdrm	hypo	CHG	-0.544
Gm16	35265210	35265314	Gmdrm	hypo	CHG	-0.4391
Gm16	35265420	35265572	Gmdrm	hypo	CHG	-0.2814
Gm16	35268193	35268346	Gmdrm	hypo	CHG	-0.308
Gm16	35271259	35271411	Gmdrm	hypo	CHG	-0.2127
Gm16	35294218	35294552	Gmdrm	hypo	CHG	-0.094
Gm16	35294800	35295733	Gmdrm	hypo	CHG	-0.3135
Gm16	35296154	35296735	Gmdrm	hypo	CHG	-0.3324
Gm16	35296836	35297204	Gmdrm	hypo	CHG	-0.3212
Gm16	35297310	35297475	Gmdrm	hypo	CHG	-0.135
Gm16	35297603	35297755	Gmdrm	hypo	CHG	-0.4633
Gm16	35300118	35300269	Gmdrm	hypo	CHG	-0.0875
Gm16	35300717	35300838	Gmdrm	hypo	CHG	-0.099

Gm16	35301190	35301968	Gmdrm	hypo	CHG	-0.185
Gm16	35304804	35304990	Gmdrm	hypo	CHG	-0.19
Gm16	35334291	35334810	Gmdrm	hypo	CHG	-0.3371
Gm16	35335224	35335318	Gmdrm	hypo	CHG	-0.2467
Gm16	35354194	35354304	Gmdrm	hypo	CHG	-0.21
Gm16	35354784	35354905	Gmdrm	hypo	CHG	-0.202
Gm16	35356212	35356426	Gmdrm	hypo	CHG	-0.4007
Gm16	35364642	35364854	Gmdrm	hypo	CHG	-0.0512
Gm16	35371401	35371664	Gmdrm	hypo	CHG	-0.2233
Gm16	35419683	35419734	Gmdrm	hypo	CHG	-0.0977
Gm16	35455740	35456052	Gmdrm	hypo	CHG	-0.5527
Gm16	35458547	35459015	Gmdrm	hypo	CHG	-0.4897
Gm16	35459151	35459268	Gmdrm	hypo	CHG	-0.4614
Gm16	35459384	35459704	Gmdrm	hypo	CHG	-0.5593
Gm16	35459827	35460175	Gmdrm	hypo	CHG	-0.4571
Gm16	35460516	35460715	Gmdrm	hypo	CHG	-0.4106
Gm16	35460849	35461846	Gmdrm	hypo	CHG	-0.5152
Gm16	35461858	35462211	Gmdrm	hypo	CHG	-0.3819
Gm16	35463888	35463990	Gmdrm	hypo	CHG	-0.022
Gm16	35467809	35468009	Gmdrm	hypo	CHG	-0.1867
Gm16	35469309	35469380	Gmdrm	hypo	CHG	-0.198
Gm16	35473572	35474002	Gmdrm	hypo	CHG	-0.2694
Gm16	35481707	35482131	Gmdrm	hypo	CHG	-0.5949
Gm16	35482488	35482595	Gmdrm	hypo	CHG	-0.5466
Gm16	35482936	35483135	Gmdrm	hypo	CHG	-0.5767
Gm16	35483752	35483951	Gmdrm	hypo	CHG	-0.3357
Gm16	35484396	35484670	Gmdrm	hypo	CHG	-0.3523
Gm16	35484789	35484824	Gmdrm	hypo	CHG	-0.1267
Gm16	35487676	35487722	Gmdrm	hypo	CHG	-0.4366
Gm16	35487979	35488286	Gmdrm	hypo	CHG	-0.234
Gm16	35488948	35489227	Gmdrm	hypo	CHG	-0.3142
Gm16	35489356	35489450	Gmdrm	hypo	CHG	-0.336
Gm16	35495562	35495834	Gmdrm	hypo	CHG	-0.0166
Gm16	35496666	35496731	Gmdrm	hypo	CHG	-0.2314
Gm16	35496879	35497386	Gmdrm	hypo	CHG	-0.2335
Gm16	35499397	35499428	Gmdrm	hypo	CHG	-0.44
Gm16	35499745	35500006	Gmdrm	hypo	CHG	-0.0807
Gm16	35500725	35500878	Gmdrm	hypo	CHG	-0.4225
Gm16	35500984	35501363	Gmdrm	hypo	CHG	-0.4489
Gm16	35501718	35502050	Gmdrm	hypo	CHG	-0.5454
Gm16	35502161	35502314	Gmdrm	hypo	CHG	-0.3672
Gm16	35503611	35504006	Gmdrm	hypo	CHG	-0.205
Gm16	35504169	35504627	Gmdrm	hypo	CHG	-0.356
Gm16	35508550	35508591	Gmdrm	hypo	CHG	-0.18
Gm16	35510218	35510603	Gmdrm	hypo	CHG	-0.1111
Gm16	35510708	35510997	Gmdrm	hypo	CHG	-0.2822

Gm16	35511115	35511220	Gmdrm	hypo	CHG	-0.4217
Gm16	35511360	35511429	Gmdrm	hypo	CHG	-0.5086
Gm16	35511612	35511651	Gmdrm	hypo	CHG	-0.5234
Gm16	35511880	35512087	Gmdrm	hypo	CHG	-0.625
Gm16	35512198	35512548	Gmdrm	hypo	CHG	-0.4572
Gm16	35512690	35513672	Gmdrm	hypo	CHG	-0.4411
Gm16	35513769	35514385	Gmdrm	hypo	CHG	-0.07
Gm16	35515569	35515722	Gmdrm	hypo	CHG	-0.4033
Gm16	35515828	35516190	Gmdrm	hypo	CHG	-0.4283
Gm16	35516301	35516390	Gmdrm	hypo	CHG	-0.5612
Gm16	35516520	35516893	Gmdrm	hypo	CHG	-0.4392
Gm16	35517151	35517423	Gmdrm	hypo	CHG	-0.5805
Gm16	35517542	35517754	Gmdrm	hypo	CHG	-0.5147
Gm16	35517896	35518546	Gmdrm	hypo	CHG	-0.4944
Gm16	35518731	35519215	Gmdrm	hypo	CHG	-0.2341
Gm16	35519613	35519827	Gmdrm	hypo	CHG	-0.2625
Gm16	35523403	35523805	Gmdrm	hypo	CHG	-0.1126
Gm16	35525164	35525765	Gmdrm	hypo	CHG	-0.2975
Gm16	35526486	35527107	Gmdrm	hypo	CHG	-0.4184
Gm16	35527223	35527508	Gmdrm	hypo	CHG	-0.1936
Gm16	35527656	35527689	Gmdrm	hypo	CHG	-0.2717
Gm16	35529169	35529267	Gmdrm	hypo	CHG	-0.0755
Gm16	35544185	35544288	Gmdrm	hypo	CHG	-0.372
Gm16	35544431	35544586	Gmdrm	hypo	CHG	-0.3167
Gm16	35545905	35545954	Gmdrm	hypo	CHG	-0.196
Gm16	35546244	35546696	Gmdrm	hypo	CHG	-0.1082
Gm16	35546802	35547196	Gmdrm	hypo	CHG	-0.2473
Gm16	35547307	35548266	Gmdrm	hypo	CHG	-0.3014
Gm16	35548312	35548873	Gmdrm	hypo	CHG	-0.1508
Gm16	35549017	35549689	Gmdrm	hypo	CHG	-0.3181
Gm16	35549819	35550272	Gmdrm	hypo	CHG	-0.3288
Gm16	35550809	35551370	Gmdrm	hypo	CHG	-0.1468
Gm16	35554690	35554727	Gmdrm	hypo	CHG	-0.344
Gm16	35555068	35555432	Gmdrm	hypo	CHG	-0.0492
Gm16	35555719	35555973	Gmdrm	hypo	CHG	-0.2594
Gm16	35556080	35556589	Gmdrm	hypo	CHG	-0.3706
Gm16	35556729	35556801	Gmdrm	hypo	CHG	-0.5024
Gm16	35556933	35557546	Gmdrm	hypo	CHG	-0.3776
Gm16	35557678	35558669	Gmdrm	hypo	CHG	-0.3986
Gm16	35558691	35559017	Gmdrm	hypo	CHG	-0.2044
Gm16	35559158	35559424	Gmdrm	hypo	CHG	-0.2487
Gm16	35559598	35560130	Gmdrm	hypo	CHG	-0.1112
Gm16	35584489	35584668	Gmdrm	hypo	CHG	-0.3057
Gm16	35586335	35586607	Gmdrm	hypo	CHG	-0.3028
Gm16	35586715	35587335	Gmdrm	hypo	CHG	-0.4871
Gm16	35587449	35587544	Gmdrm	hypo	CHG	-0.379

Gm16	35587676	35588231	Gmdrm	hypo	CHG	-0.4917
Gm16	35588480	35588691	Gmdrm	hypo	CHG	-0.4157
Gm16	35588833	35589510	Gmdrm	hypo	CHG	-0.4885
Gm16	35589640	35590195	Gmdrm	hypo	CHG	-0.2342
Gm16	35592621	35592849	Gmdrm	hypo	CHG	-0.0334
Gm16	35594177	35594408	Gmdrm	hypo	CHG	-0.0362
Gm16	35599939	35600162	Gmdrm	hypo	CHG	-0.0628
Gm16	35601683	35602153	Gmdrm	hypo	CHG	-0.4554
Gm16	35604916	35605072	Gmdrm	hypo	CHG	-0.216
Gm16	35606377	35606451	Gmdrm	hypo	CHG	-0.2812
Gm16	35606667	35607183	Gmdrm	hypo	CHG	-0.1148
Gm16	35607289	35607437	Gmdrm	hypo	CHG	-0.2142
Gm16	35607555	35607868	Gmdrm	hypo	CHG	-0.3065
Gm16	35608005	35608805	Gmdrm	hypo	CHG	-0.3576
Gm16	35608977	35609949	Gmdrm	hypo	CHG	-0.315
Gm16	35610088	35610201	Gmdrm	hypo	CHG	-0.23
Gm16	35610839	35610913	Gmdrm	hypo	CHG	-0.11
Gm16	35611031	35611175	Gmdrm	hypo	CHG	-0.4829
Gm16	35612941	35613352	Gmdrm	hypo	CHG	-0.0208
Gm16	35618723	35619046	Gmdrm	hypo	CHG	-0.0272
Gm16	35626040	35626222	Gmdrm	hypo	CHG	-0.365
Gm16	35626363	35626518	Gmdrm	hypo	CHG	-0.4375
Gm16	35628176	35628503	Gmdrm	hypo	CHG	-0.0883
Gm16	35628719	35629101	Gmdrm	hypo	CHG	-0.2126
Gm16	35629235	35629702	Gmdrm	hypo	CHG	-0.261
Gm16	35629944	35630449	Gmdrm	hypo	CHG	-0.3537
Gm16	35630581	35630952	Gmdrm	hypo	CHG	-0.3031
Gm16	35631097	35631274	Gmdrm	hypo	CHG	-0.2307
Gm16	35631929	35632123	Gmdrm	hypo	CHG	-0.1267
Gm16	35633323	35633399	Gmdrm	hypo	CHG	-0.1357
Gm16	35637955	35638592	Gmdrm	hypo	CHG	-0.0569
Gm16	35639362	35639686	Gmdrm	hypo	CHG	-0.0889
Gm16	35642103	35642116	Gmdrm	hypo	CHG	-0.2016
Gm16	35642615	35642784	Gmdrm	hypo	CHG	-0.0637
Gm16	35643750	35644175	Gmdrm	hypo	CHG	-0.1588
Gm16	35644440	35644903	Gmdrm	hypo	CHG	-0.2006
Gm16	35645276	35646251	Gmdrm	hypo	CHG	-0.2527
Gm16	35649168	35649873	Gmdrm	hypo	CHG	-0.3582
Gm16	35650206	35650871	Gmdrm	hypo	CHG	-0.2435
Gm16	35650990	35651406	Gmdrm	hypo	CHG	-0.4443
Gm16	35652119	35652598	Gmdrm	hypo	CHG	-0.2238
Gm16	35652978	35653303	Gmdrm	hypo	CHG	-0.2161
Gm16	35654230	35654638	Gmdrm	hypo	CHG	-0.1477
Gm16	35655808	35656460	Gmdrm	hypo	CHG	-0.04
Gm16	35656944	35657099	Gmdrm	hypo	CHG	-0.1875
Gm16	35657251	35657324	Gmdrm	hypo	CHG	-0.3326

Gm16	35657430	35657536	Gmdrm	hypo	CHG	-0.151
Gm16	35659929	35659942	Gmdrm	hypo	CHG	-0.275
Gm16	35661210	35661590	Gmdrm	hypo	CHG	-0.228
Gm16	35661696	35662054	Gmdrm	hypo	CHG	-0.4204
Gm16	35662184	35662518	Gmdrm	hypo	CHG	-0.5305
Gm16	35663031	35663634	Gmdrm	hypo	CHG	-0.5585
Gm16	35663778	35664450	Gmdrm	hypo	CHG	-0.4723
Gm16	35664580	35665118	Gmdrm	hypo	CHG	-0.356
Gm16	35668417	35668670	Gmdrm	hypo	CHG	-0.027
Gm16	35669213	35669425	Gmdrm	hypo	CHG	-0.2309
Gm16	35669963	35670206	Gmdrm	hypo	CHG	-0.1
Gm16	35675614	35676206	Gmdrm	hypo	CHG	-0.0887
Gm16	35681813	35681845	Gmdrm	hypo	CHG	-0.46
Gm16	35682251	35682546	Gmdrm	hypo	CHG	-0.5013
Gm16	35683215	35683536	Gmdrm	hypo	CHG	-0.36
Gm16	35683761	35683793	Gmdrm	hypo	CHG	-0.25
Gm16	35684919	35685016	Gmdrm	hypo	CHG	-0.236
Gm16	35686617	35686772	Gmdrm	hypo	CHG	-0.3386
Gm16	35688380	35688908	Gmdrm	hypo	CHG	-0.4961
Gm16	35689234	35690181	Gmdrm	hypo	CHG	-0.4929
Gm16	35690425	35690941	Gmdrm	hypo	CHG	-0.2806
Gm16	35696210	35696280	Gmdrm	hypo	CHG	-0.432
Gm16	35696420	35696544	Gmdrm	hypo	CHG	-0.18
Gm16	35702121	35702477	Gmdrm	hypo	CHG	-0.2822
Gm16	35703059	35703090	Gmdrm	hypo	CHG	-0.234
Gm16	35703252	35703284	Gmdrm	hypo	CHG	-0.5134
Gm16	35703690	35703817	Gmdrm	hypo	CHG	-0.5837
Gm16	35703952	35704030	Gmdrm	hypo	CHG	-0.4676
Gm16	35704654	35704976	Gmdrm	hypo	CHG	-0.3916
Gm16	35705200	35705232	Gmdrm	hypo	CHG	-0.2766
Gm16	35709100	35709246	Gmdrm	hypo	CHG	-0.0633
Gm16	35710261	35710637	Gmdrm	hypo	CHG	-0.348
Gm16	35710767	35711101	Gmdrm	hypo	CHG	-0.3567
Gm16	35711444	35711845	Gmdrm	hypo	CHG	-0.3486
Gm16	35712041	35712457	Gmdrm	hypo	CHG	-0.3993
Gm16	35712902	35713035	Gmdrm	hypo	CHG	-0.3371
Gm16	35715066	35715636	Gmdrm	hypo	CHG	-0.1792
Gm16	35717044	35717090	Gmdrm	hypo	CHG	-0.3284
Gm16	35717348	35717970	Gmdrm	hypo	CHG	-0.38
Gm16	35718311	35718480	Gmdrm	hypo	CHG	-0.367
Gm16	35718768	35718862	Gmdrm	hypo	CHG	-0.35
Gm16	35719122	35720117	Gmdrm	hypo	CHG	-0.3065
Gm16	35720139	35720936	Gmdrm	hypo	CHG	-0.1731
Gm16	35726780	35727000	Gmdrm	hypo	CHG	-0.1638
Gm16	35727648	35728111	Gmdrm	hypo	CHG	-0.3025
Gm16	35730519	35730780	Gmdrm	hypo	CHG	-0.062

Gm16	35731517	35731667	Gmdrm	hypo	CHG	-0.4127
Gm16	35731773	35732152	Gmdrm	hypo	CHG	-0.4534
Gm16	35732606	35732839	Gmdrm	hypo	CHG	-0.57
Gm16	35732950	35733153	Gmdrm	hypo	CHG	-0.54
Gm16	35734398	35734797	Gmdrm	hypo	CHG	-0.1705
Gm16	35734950	35735488	Gmdrm	hypo	CHG	-0.301
Gm16	35736454	35736622	Gmdrm	hypo	CHG	-0.3091
Gm16	35740372	35740468	Gmdrm	hypo	CHG	-0.2286
Gm16	35740879	35741168	Gmdrm	hypo	CHG	-0.2989
Gm16	35741288	35741402	Gmdrm	hypo	CHG	-0.2946
Gm16	35741732	35742064	Gmdrm	hypo	CHG	-0.2125
Gm16	35742440	35742647	Gmdrm	hypo	CHG	-0.2572
Gm16	35742760	35743108	Gmdrm	hypo	CHG	-0.2753
Gm16	35743250	35743961	Gmdrm	hypo	CHG	-0.3938
Gm16	35744877	35745480	Gmdrm	hypo	CHG	-0.071
Gm16	35746110	35747093	Gmdrm	hypo	CHG	-0.0283
Gm16	35747912	35747963	Gmdrm	hypo	CHG	-0.172
Gm16	35748853	35749593	Gmdrm	hypo	CHG	-0.4186
Gm16	35749713	35749802	Gmdrm	hypo	CHG	-0.3091
Gm16	35749932	35750265	Gmdrm	hypo	CHG	-0.3812
Gm16	35750562	35750834	Gmdrm	hypo	CHG	-0.344
Gm16	35750953	35751165	Gmdrm	hypo	CHG	-0.3115
Gm16	35751419	35751957	Gmdrm	hypo	CHG	-0.4772
Gm16	35752142	35752659	Gmdrm	hypo	CHG	-0.2285
Gm16	35753061	35753094	Gmdrm	hypo	CHG	-0.1567
Gm16	35764736	35765031	Gmdrm	hypo	CHG	-0.5029
Gm16	35765684	35765883	Gmdrm	hypo	CHG	-0.2261
Gm16	35766214	35766496	Gmdrm	hypo	CHG	-0.2081
Gm16	35769049	35769093	Gmdrm	hypo	CHG	-0.3467
Gm16	35770914	35771175	Gmdrm	hypo	CHG	-0.3253
Gm16	35771281	35771679	Gmdrm	hypo	CHG	-0.511
Gm16	35771825	35772714	Gmdrm	hypo	CHG	-0.5113
Gm16	35772833	35773045	Gmdrm	hypo	CHG	-0.5067
Gm16	35773187	35773861	Gmdrm	hypo	CHG	-0.4551
Gm16	35773991	35774443	Gmdrm	hypo	CHG	-0.3348
Gm16	35785097	35785662	Gmdrm	hypo	CHG	-0.0179
Gm16	35788281	35788395	Gmdrm	hypo	CHG	-0.0818
Gm16	35790408	35790513	Gmdrm	hypo	CHG	-0.4929
Gm16	35790684	35790840	Gmdrm	hypo	CHG	-0.5323
Gm16	35792157	35792231	Gmdrm	hypo	CHG	-0.3737
Gm16	35792512	35792832	Gmdrm	hypo	CHG	-0.2179
Gm16	35792938	35793357	Gmdrm	hypo	CHG	-0.2973
Gm16	35793684	35794058	Gmdrm	hypo	CHG	-0.3807
Gm16	35794200	35795147	Gmdrm	hypo	CHG	-0.3848
Gm16	35795208	35795665	Gmdrm	hypo	CHG	-0.4331
Gm16	35795795	35796341	Gmdrm	hypo	CHG	-0.2622

Gm16	35800002	35800956	Gmdrm	hypo	CHG	-0.3342
Gm16	35805220	35805393	Gmdrm	hypo	CHG	-0.0544
Gm16	35809856	35810362	Gmdrm	hypo	CHG	-0.3513
Gm16	35812427	35812458	Gmdrm	hypo	CHG	-0.414
Gm16	35813757	35813910	Gmdrm	hypo	CHG	-0.331
Gm16	35814016	35814236	Gmdrm	hypo	CHG	-0.481
Gm16	35814525	35815437	Gmdrm	hypo	CHG	-0.4873
Gm16	35815685	35816362	Gmdrm	hypo	CHG	-0.4838
Gm16	35816523	35817038	Gmdrm	hypo	CHG	-0.3326
Gm16	35817201	35817637	Gmdrm	hypo	CHG	-0.396
Gm16	35827234	35827426	Gmdrm	hypo	CHG	-0.3422
Gm16	35832797	35833266	Gmdrm	hypo	CHG	-0.1754
Gm16	35834321	35834964	Gmdrm	hypo	CHG	-0.5069
Gm16	35835117	35835204	Gmdrm	hypo	CHG	-0.4
Gm16	35835572	35835939	Gmdrm	hypo	CHG	-0.4096
Gm16	35836107	35836183	Gmdrm	hypo	CHG	-0.495
Gm16	35836309	35836782	Gmdrm	hypo	CHG	-0.3911
Gm16	35837085	35837755	Gmdrm	hypo	CHG	-0.3338
Gm16	35837861	35838022	Gmdrm	hypo	CHG	-0.3671
Gm16	35838310	35838604	Gmdrm	hypo	CHG	-0.32
Gm16	35839486	35839685	Gmdrm	hypo	CHG	-0.333
Gm16	35843579	35844164	Gmdrm	hypo	CHG	-0.0187
Gm16	35901062	35901255	Gmdrm	hypo	CHG	-0.8775
Gm16	35901608	35902072	Gmdrm	hypo	CHG	-0.8627
Gm16	35902178	35902264	Gmdrm	hypo	CHG	-0.9686
Gm16	35927946	35928445	Gmdrm	hypo	CHG	-0.6908
Gm16	35928562	35928874	Gmdrm	hypo	CHG	-0.8563
Gm16	35968478	35968696	Gmdrm	hypo	CHG	-0.0318
Gm16	35969026	35969082	Gmdrm	hypo	CHG	-0.7467
Gm16	35969378	35969605	Gmdrm	hypo	CHG	-0.5282
Gm16	35970084	35970200	Gmdrm	hypo	CHG	-0.2511
Gm16	35980459	35980635	Gmdrm	hypo	CHG	-0.03
Gm16	36018081	36018527	Gmdrm	hypo	CHG	-0.2476
Gm16	36024361	36024502	Gmdrm	hypo	CHG	-0.6817
Gm16	36028604	36028772	Gmdrm	hypo	CHG	-0.5233
Gm16	36074370	36074871	Gmdrm	hypo	CHG	-0.6947
Gm16	36084759	36085283	Gmdrm	hypo	CHG	-0.7526
Gm16	36085610	36085830	Gmdrm	hypo	CHG	-0.4439
Gm16	36086751	36086967	Gmdrm	hypo	CHG	-0.065
Gm16	36091653	36091766	Gmdrm	hypo	CHG	-0.056
Gm16	36131856	36132229	Gmdrm	hypo	CHG	-0.0678
Gm16	36133513	36133528	Gmdrm	hypo	CHG	-0.0967
Gm16	36141917	36142230	Gmdrm	hypo	CHG	-0.0589
Gm16	36144660	36144724	Gmdrm	hypo	CHG	-0.0867
Gm16	36148338	36148758	Gmdrm	hypo	CHG	-0.0364
Gm16	36180392	36180561	Gmdrm	hypo	CHG	-0.585

Gm16	36181150	36181394	Gmdrm	hypo	CHG	-0.6063
Gm16	36221982	36222156	Gmdrm	hypo	CHG	-0.5555
Gm16	36222809	36222868	Gmdrm	hypo	CHG	-0.4462
Gm16	36234228	36234460	Gmdrm	hypo	CHG	-0.0356
Gm16	36251325	36251505	Gmdrm	hypo	CHG	-0.4011
Gm16	36251697	36251864	Gmdrm	hypo	CHG	-0.65
Gm16	36252274	36252388	Gmdrm	hypo	CHG	-0.7686
Gm16	36270927	36271153	Gmdrm	hypo	CHG	-0.9285
Gm16	36273805	36273950	Gmdrm	hypo	CHG	-0.0286
Gm16	36285500	36286025	Gmdrm	hypo	CHG	-0.1936
Gm16	36297688	36297836	Gmdrm	hypo	CHG	-0.17
Gm16	36298590	36298717	Gmdrm	hypo	CHG	-0.0567
Gm16	36303318	36303452	Gmdrm	hypo	CHG	-0.8185
Gm16	36316875	36317215	Gmdrm	hypo	CHG	-0.756
Gm16	36324229	36324754	Gmdrm	hypo	CHG	-0.3243
Gm16	36335449	36335544	Gmdrm	hypo	CHG	-0.038
Gm16	36335860	36336039	Gmdrm	hypo	CHG	-0.386
Gm16	36372154	36372234	Gmdrm	hypo	CHG	-0.4433
Gm16	36376109	36376196	Gmdrm	hypo	CHG	-0.556
Gm16	36376802	36376873	Gmdrm	hypo	CHG	-0.4625
Gm16	36382801	36383017	Gmdrm	hypo	CHG	-0.08
Gm16	36388637	36388758	Gmdrm	hypo	CHG	-0.315
Gm16	36406882	36406964	Gmdrm	hypo	CHG	-0.5967
Gm16	36410455	36410495	Gmdrm	hypo	CHG	-0.238
Gm16	36434325	36434596	Gmdrm	hypo	CHG	-0.7756
Gm16	36440423	36440588	Gmdrm	hypo	CHG	-0.7944
Gm16	36444779	36444883	Gmdrm	hypo	CHG	-0.1517
Gm16	36480714	36480972	Gmdrm	hypo	CHG	-0.56
Gm16	36492726	36492760	Gmdrm	hypo	CHG	-0.088
Gm16	36532023	36532119	Gmdrm	hypo	CHG	-0.04
Gm16	36534552	36534642	Gmdrm	hypo	CHG	-0.8378
Gm16	36554074	36554320	Gmdrm	hypo	CHG	-0.1532
Gm16	36555481	36555610	Gmdrm	hypo	CHG	-0.5727
Gm16	36574968	36575486	Gmdrm	hypo	CHG	-0.3471
Gm16	36589568	36589795	Gmdrm	hypo	CHG	-0.36
Gm16	36590617	36590776	Gmdrm	hypo	CHG	-0.6712
Gm16	36590945	36590981	Gmdrm	hypo	CHG	-0.652
Gm16	36595433	36595758	Gmdrm	hypo	CHG	-0.1707
Gm16	36597537	36597588	Gmdrm	hypo	CHG	-0.8
Gm16	36601647	36601786	Gmdrm	hypo	CHG	-0.0917
Gm16	36608600	36608843	Gmdrm	hypo	CHG	-0.0678
Gm16	36611838	36611949	Gmdrm	hypo	CHG	-0.8075
Gm16	36629778	36629892	Gmdrm	hypo	CHG	-0.05
Gm16	36630236	36630284	Gmdrm	hypo	CHG	-0.0816
Gm16	36649448	36649692	Gmdrm	hypo	CHG	-0.4708
Gm16	36651969	36652518	Gmdrm	hypo	CHG	-0.8158

Gm16	36662581	36662966	Gmdrm	hypo	CHG	-0.2272
Gm16	36694210	36694333	Gmdrm	hypo	CHG	-0.0317
Gm16	36712461	36712658	Gmdrm	hypo	CHG	-0.04
Gm16	36717558	36717789	Gmdrm	hypo	CHG	-0.0428
Gm16	36740354	36740415	Gmdrm	hypo	CHG	-0.056
Gm16	36742325	36742495	Gmdrm	hypo	CHG	-0.034
Gm16	36757492	36757907	Gmdrm	hypo	CHG	-0.7087
Gm16	36762074	36762192	Gmdrm	hypo	CHG	-0.4178
Gm16	36762364	36762570	Gmdrm	hypo	CHG	-0.5937
Gm16	36785139	36785431	Gmdrm	hypo	CHG	-0.7153
Gm16	36803291	36803479	Gmdrm	hypo	CHG	-0.046
Gm16	36864914	36865038	Gmdrm	hypo	CHG	-0.8426
Gm16	36865594	36865677	Gmdrm	hypo	CHG	-0.8809
Gm16	36865885	36866029	Gmdrm	hypo	CHG	-0.8176
Gm16	36899469	36899525	Gmdrm	hypo	CHG	-0.6517
Gm16	36900579	36900679	Gmdrm	hypo	CHG	-0.074
Gm16	36912490	36912825	Gmdrm	hypo	CHG	-0.0591
Gm16	36915518	36915751	Gmdrm	hypo	CHG	-0.478
Gm16	36916188	36916357	Gmdrm	hypo	CHG	-0.692
Gm16	36919502	36919727	Gmdrm	hypo	CHG	-0.0272
Gm16	36924927	36925013	Gmdrm	hypo	CHG	-0.038
Gm16	36930619	36930916	Gmdrm	hypo	CHG	-0.052
Gm16	36948691	36948976	Gmdrm	hypo	CHG	-0.8255
Gm16	36955448	36955643	Gmdrm	hypo	CHG	-0.6945
Gm16	36969423	36969667	Gmdrm	hypo	CHG	-0.046
Gm16	36991872	36992151	Gmdrm	hypo	CHG	-0.0214
Gm16	36995706	36995818	Gmdrm	hypo	CHG	-0.438
Gm16	37000889	37000918	Gmdrm	hypo	CHG	-0.8962
Gm16	37004037	37004162	Gmdrm	hypo	CHG	-0.5257
Gm16	37018650	37018795	Gmdrm	hypo	CHG	-0.044
Gm16	37055895	37056218	Gmdrm	hypo	CHG	-0.036
Gm16	37077649	37077912	Gmdrm	hypo	CHG	-0.021
Gm16	37097545	37097636	Gmdrm	hypo	CHG	-0.46
Gm16	37099190	37099346	Gmdrm	hypo	CHG	-0.3756
Gm16	37176034	37176531	Gmdrm	hypo	CHG	-0.0467
Gm16	37181981	37182144	Gmdrm	hypo	CHG	-0.343
Gm16	37182493	37182605	Gmdrm	hypo	CHG	-0.9175
Gm16	37182733	37182823	Gmdrm	hypo	CHG	-0.48
Gm16	37186185	37186389	Gmdrm	hypo	CHG	-0.0417
Gm16	37205141	37205220	Gmdrm	hypo	CHG	-0.476
Gm16	37207147	37207743	Gmdrm	hypo	CHG	-0.0913
Gm16	37258809	37258947	Gmdrm	hypo	CHG	-0.0355
Gm16	37291264	37291378	Gmdrm	hypo	CHG	-0.0643
Gm16	37292321	37292542	Gmdrm	hypo	CHG	-0.5138
Gm16	37294283	37294438	Gmdrm	hypo	CHG	-0.921
Gm16	37309207	37309351	Gmdrm	hypo	CHG	-0.038

Gm16	37389299	37389368	Gmdrm	hypo	CHG	-0.4516
Gm16	37402877	37403319	Gmdrm	hypo	CHG	-0.3445
Gm16	37406283	37406450	Gmdrm	hypo	CHG	-0.1573
Gm16	37412649	37413005	Gmdrm	hypo	CHG	-0.298
Gm16	37436033	37436169	Gmdrm	hypo	CHG	-0.1
Gm16	37497811	37497881	Gmdrm	hypo	CHG	-0.034
Gm16	37498285	37498367	Gmdrm	hypo	CHG	-0.6311
Gm16	37507113	37507334	Gmdrm	hypo	CHG	-0.0425
Gm16	37525895	37526072	Gmdrm	hypo	CHG	-0.2317
Gm16	37526497	37526741	Gmdrm	hypo	CHG	-0.8122
Gm16	37553102	37553671	Gmdrm	hypo	CHG	-0.1623
Gm16	37561194	37561431	Gmdrm	hypo	CHG	-0.15
Gm16	37563328	37564067	Gmdrm	hypo	CHG	-0.1142
Gm16	37568860	37569061	Gmdrm	hypo	CHG	-0.7075
Gm16	37621822	37622261	Gmdrm	hypo	CHG	-0.2108
Gm16	37649244	37649491	Gmdrm	hypo	CHG	-0.04
Gm16	37681511	37681619	Gmdrm	hypo	CHG	-0.4562
Gm16	37684462	37684754	Gmdrm	hypo	CHG	-0.0378
Gm16	37691007	37691193	Gmdrm	hypo	CHG	-0.0283
Gm16	37700439	37700920	Gmdrm	hypo	CHG	-0.5917
Gm16	37701085	37701324	Gmdrm	hypo	CHG	-0.6808
Gm16	37701451	37701624	Gmdrm	hypo	CHG	-0.116
Gm16	37738496	37738598	Gmdrm	hypo	CHG	-0.602
Gm16	37742279	37742346	Gmdrm	hypo	CHG	-0.4343
Gm16	37760568	37761265	Gmdrm	hypo	CHG	-0.1212
Gm16	37812757	37812928	Gmdrm	hypo	CHG	-0.0614
Gm16	37830302	37830900	Gmdrm	hypo	CHG	-0.0354
Gm16	37833283	37833444	Gmdrm	hypo	CHG	-0.54
Gm16	37834946	37835344	Gmdrm	hypo	CHG	-0.0532
Gm16	37837759	37837986	Gmdrm	hypo	CHG	-0.0334
Gm16	37851407	37851616	Gmdrm	hypo	CHG	-0.0761
Gm16	37878714	37878963	Gmdrm	hypo	CHG	-0.5282
Gm16	37891127	37891162	Gmdrm	hypo	CHG	-0.4883
Gm16	37894282	37894338	Gmdrm	hypo	CHG	-0.4122
Gm16	37896832	37897315	Gmdrm	hypo	CHG	-0.8362
Gm16	37909471	37909768	Gmdrm	hypo	CHG	-0.5911
Gm16	37919538	37919601	Gmdrm	hypo	CHG	-0.3425
Gm16	37934692	37935150	Gmdrm	hypo	CHG	-0.2453
Gm16	37935278	37935392	Gmdrm	hypo	CHG	-0.53
Gm16	37935927	37936048	Gmdrm	hypo	CHG	-0.2443
Gm16	37945837	37946034	Gmdrm	hypo	CHG	-0.0627
Gm16	37960362	37960684	Gmdrm	hypo	CHG	-0.3336
Gm16	37961174	37961291	Gmdrm	hypo	CHG	-0.2787
Gm16	37988515	37988650	Gmdrm	hypo	CHG	-0.042
Gm16	37997849	37998053	Gmdrm	hypo	CHG	-0.38
Gm16	38008504	38008689	Gmdrm	hypo	CHG	-0.51

Gm16	38009587	38010011	Gmdrm	hypo	CHG	-0.2865
Gm16	38020596	38020702	Gmdrm	hypo	CHG	-0.3306
Gm16	38037810	38037864	Gmdrm	hypo	CHG	-0.0929
Gm16	38041540	38041605	Gmdrm	hypo	CHG	-0.166
Gm16	38041718	38041880	Gmdrm	hypo	CHG	-0.43
Gm16	38092268	38092303	Gmdrm	hypo	CHG	-0.2912
Gm16	38100219	38100439	Gmdrm	hypo	CHG	-0.7025
Gm16_scaffol	968	1101	Gmdrm	hypo	CHG	-0.942
Gm16_scaffol	3061	3328	Gmdrm	hypo	CHG	-0.4325
Gm16_scaffol	14251	14538	Gmdrm	hypo	CHG	-0.0235
Gm16_scaffol	17602	17868	Gmdrm	hypo	CHG	-0.4381
Gm16_scaffol	18036	18449	Gmdrm	hypo	CHG	-0.6129
Gm16_scaffol	18796	18951	Gmdrm	hypo	CHG	-0.4622
Gm16_scaffol	19102	19375	Gmdrm	hypo	CHG	-0.6782
Gm16_scaffol	1030	1078	Gmdrm	hypo	CHG	-0.292
Gm16_scaffol	4226	4361	Gmdrm	hypo	CHG	-0.376
Gm16_scaffol	4500	4526	Gmdrm	hypo	CHG	-0.486
Gm17	7534	8070	Gmdrm	hypo	CHG	-0.8168
Gm17	8262	8443	Gmdrm	hypo	CHG	-0.5575
Gm17	9286	9445	Gmdrm	hypo	CHG	-0.5717
Gm17	15981	16162	Gmdrm	hypo	CHG	-0.8666
Gm17	16263	16341	Gmdrm	hypo	CHG	-0.8
Gm17	22492	22537	Gmdrm	hypo	CHG	-0.52
Gm17	25267	25331	Gmdrm	hypo	CHG	-0.8
Gm17	25681	25799	Gmdrm	hypo	CHG	-0.4829
Gm17	33358	33646	Gmdrm	hypo	CHG	-0.9229
Gm17	33838	33860	Gmdrm	hypo	CHG	-0.7033
Gm17	34051	34218	Gmdrm	hypo	CHG	-0.058
Gm17	59211	60200	Gmdrm	hypo	CHG	-0.2347
Gm17	67277	67849	Gmdrm	hypo	CHG	-0.2459
Gm17	68873	69073	Gmdrm	hypo	CHG	-0.487
Gm17	69217	69250	Gmdrm	hypo	CHG	-0.822
Gm17	69360	69454	Gmdrm	hypo	CHG	-0.89
Gm17	73516	73880	Gmdrm	hypo	CHG	-0.3336
Gm17	74879	75137	Gmdrm	hypo	CHG	-0.2213
Gm17	79413	79603	Gmdrm	hypo	CHG	-0.75
Gm17	98124	98346	Gmdrm	hypo	CHG	-0.0817
Gm17	111293	111448	Gmdrm	hypo	CHG	-0.11
Gm17	113810	114004	Gmdrm	hypo	CHG	-0.078
Gm17	114477	114722	Gmdrm	hypo	CHG	-0.1243
Gm17	115292	116062	Gmdrm	hypo	CHG	-0.1417
Gm17	116346	116810	Gmdrm	hypo	CHG	-0.0622
Gm17	131458	131740	Gmdrm	hypo	CHG	-0.1594
Gm17	132209	132348	Gmdrm	hypo	CHG	-0.2443
Gm17	132458	133056	Gmdrm	hypo	CHG	-0.2068
Gm17	133157	134156	Gmdrm	hypo	CHG	-0.1428

Gm17	149667	150544 Gmdrm	hypo	CHG	-0.1466
Gm17	156496	156690 Gmdrm	hypo	CHG	-0.0417
Gm17	160561	160735 Gmdrm	hypo	CHG	-0.542
Gm17	179244	179335 Gmdrm	hypo	CHG	-0.0655
Gm17	179463	179813 Gmdrm	hypo	CHG	-0.0542
Gm17	188382	189352 Gmdrm	hypo	CHG	-0.1481
Gm17	189435	189987 Gmdrm	hypo	CHG	-0.2859
Gm17	208339	208410 Gmdrm	hypo	CHG	-0.0387
Gm17	209854	210216 Gmdrm	hypo	CHG	-0.0289
Gm17	216458	216659 Gmdrm	hypo	CHG	-0.8644
Gm17	244018	244347 Gmdrm	hypo	CHG	-0.9329
Gm17	257274	257465 Gmdrm	hypo	CHG	-0.0467
Gm17	260773	261020 Gmdrm	hypo	CHG	-0.615
Gm17	263261	263344 Gmdrm	hypo	CHG	-0.784
Gm17	266954	267156 Gmdrm	hypo	CHG	-0.788
Gm17	283745	283943 Gmdrm	hypo	CHG	-0.06
Gm17	285682	286655 Gmdrm	hypo	CHG	-0.2814
Gm17	288742	289740 Gmdrm	hypo	CHG	-0.2437
Gm17	289754	290484 Gmdrm	hypo	CHG	-0.2328
Gm17	305173	305222 Gmdrm	hypo	CHG	-0.584
Gm17	307928	308721 Gmdrm	hypo	CHG	-0.3009
Gm17	327727	328102 Gmdrm	hypo	CHG	-0.8745
Gm17	328248	328318 Gmdrm	hypo	CHG	-0.922
Gm17	350791	350941 Gmdrm	hypo	CHG	-0.2724
Gm17	356773	356899 Gmdrm	hypo	CHG	-0.056
Gm17	358348	358572 Gmdrm	hypo	CHG	-0.374
Gm17	368880	368940 Gmdrm	hypo	CHG	-0.27
Gm17	369046	369084 Gmdrm	hypo	CHG	-0.07
Gm17	369284	369634 Gmdrm	hypo	CHG	-0.1545
Gm17	379412	379616 Gmdrm	hypo	CHG	-0.0533
Gm17	391001	391084 Gmdrm	hypo	CHG	-0.8762
Gm17	406705	406764 Gmdrm	hypo	CHG	-0.8583
Gm17	406983	407154 Gmdrm	hypo	CHG	-0.598
Gm17	421504	421729 Gmdrm	hypo	CHG	-0.3631
Gm17	428107	428205 Gmdrm	hypo	CHG	-0.526
Gm17	437138	437358 Gmdrm	hypo	CHG	-0.0317
Gm17	440611	440710 Gmdrm	hypo	CHG	-0.04
Gm17	441490	441686 Gmdrm	hypo	CHG	-0.0651
Gm17	510998	511471 Gmdrm	hypo	CHG	-0.0753
Gm17	512375	512438 Gmdrm	hypo	CHG	-0.058
Gm17	524823	525002 Gmdrm	hypo	CHG	-0.452
Gm17	525165	525316 Gmdrm	hypo	CHG	-0.595
Gm17	525438	525465 Gmdrm	hypo	CHG	-0.586
Gm17	525903	526065 Gmdrm	hypo	CHG	-0.6443
Gm17	526312	526449 Gmdrm	hypo	CHG	-0.58
Gm17	536552	536648 Gmdrm	hypo	CHG	-0.823

Gm17	550470	550951 Gmdrm	hypo	CHG	-0.2284
Gm17	573992	574186 Gmdrm	hypo	CHG	-0.2393
Gm17	597579	597746 Gmdrm	hypo	CHG	-0.2375
Gm17	604563	604622 Gmdrm	hypo	CHG	-0.5834
Gm17	604827	604970 Gmdrm	hypo	CHG	-0.6488
Gm17	616120	616323 Gmdrm	hypo	CHG	-0.0517
Gm17	626441	626633 Gmdrm	hypo	CHG	-0.205
Gm17	680361	680470 Gmdrm	hypo	CHG	-0.886
Gm17	695674	696100 Gmdrm	hypo	CHG	-0.5287
Gm17	740128	740325 Gmdrm	hypo	CHG	-0.0867
Gm17	751365	751592 Gmdrm	hypo	CHG	-0.342
Gm17	752373	753125 Gmdrm	hypo	CHG	-0.5635
Gm17	759992	760247 Gmdrm	hypo	CHG	-0.075
Gm17	770556	770697 Gmdrm	hypo	CHG	-0.0414
Gm17	771112	771338 Gmdrm	hypo	CHG	-0.7182
Gm17	771468	771803 Gmdrm	hypo	CHG	-0.8686
Gm17	771913	771981 Gmdrm	hypo	CHG	-0.585
Gm17	798105	798525 Gmdrm	hypo	CHG	-0.8427
Gm17	810781	811384 Gmdrm	hypo	CHG	-0.2867
Gm17	846677	846977 Gmdrm	hypo	CHG	-0.56
Gm17	863753	864064 Gmdrm	hypo	CHG	-0.2744
Gm17	864397	864553 Gmdrm	hypo	CHG	-0.4234
Gm17	865163	865249 Gmdrm	hypo	CHG	-0.4971
Gm17	907323	907759 Gmdrm	hypo	CHG	-0.7994
Gm17	914637	914754 Gmdrm	hypo	CHG	-0.072
Gm17	953220	953416 Gmdrm	hypo	CHG	-0.04
Gm17	963323	963681 Gmdrm	hypo	CHG	-0.9093
Gm17	963816	964026 Gmdrm	hypo	CHG	-0.729
Gm17	972493	972746 Gmdrm	hypo	CHG	-0.0293
Gm17	974201	974578 Gmdrm	hypo	CHG	-0.0289
Gm17	980046	980257 Gmdrm	hypo	CHG	-0.326
Gm17	980475	980605 Gmdrm	hypo	CHG	-0.338
Gm17	995738	995773 Gmdrm	hypo	CHG	-0.446
Gm17	996300	996514 Gmdrm	hypo	CHG	-0.48
Gm17	996625	996716 Gmdrm	hypo	CHG	-0.2841
Gm17	996867	997098 Gmdrm	hypo	CHG	-0.295
Gm17	997202	997404 Gmdrm	hypo	CHG	-0.5738
Gm17	999276	999652 Gmdrm	hypo	CHG	-0.0272
Gm17	1045353	1045723 Gmdrm	hypo	CHG	-0.7486
Gm17	1052823	1053170 Gmdrm	hypo	CHG	-0.18
Gm17	1069181	1069290 Gmdrm	hypo	CHG	-0.7517
Gm17	1069626	1069651 Gmdrm	hypo	CHG	-0.624
Gm17	1084593	1084804 Gmdrm	hypo	CHG	-0.47
Gm17	1084991	1085152 Gmdrm	hypo	CHG	-0.753
Gm17	1088616	1088746 Gmdrm	hypo	CHG	-0.33
Gm17	1093822	1093884 Gmdrm	hypo	CHG	-0.0288

Gm17	1122080	1122481	Gmdrm	hypo	CHG	-0.6805
Gm17	1134289	1134652	Gmdrm	hypo	CHG	-0.8564
Gm17	1139367	1139589	Gmdrm	hypo	CHG	-0.0767
Gm17	1157995	1158120	Gmdrm	hypo	CHG	-0.046
Gm17	1161034	1161329	Gmdrm	hypo	CHG	-0.5304
Gm17	1163146	1163661	Gmdrm	hypo	CHG	-0.6073
Gm17	1165788	1165857	Gmdrm	hypo	CHG	-0.03
Gm17	1185972	1186084	Gmdrm	hypo	CHG	-0.038
Gm17	1189272	1189969	Gmdrm	hypo	CHG	-0.4166
Gm17	1195511	1195705	Gmdrm	hypo	CHG	-0.0271
Gm17	1200991	1201080	Gmdrm	hypo	CHG	-0.05
Gm17	1202479	1202781	Gmdrm	hypo	CHG	-0.0611
Gm17	1216116	1216369	Gmdrm	hypo	CHG	-0.0417
Gm17	1217295	1217554	Gmdrm	hypo	CHG	-0.57
Gm17	1227659	1227711	Gmdrm	hypo	CHG	-0.034
Gm17	1239349	1239469	Gmdrm	hypo	CHG	-0.76
Gm17	1247595	1247668	Gmdrm	hypo	CHG	-0.88
Gm17	1275668	1275761	Gmdrm	hypo	CHG	-0.19
Gm17	1277223	1277404	Gmdrm	hypo	CHG	-0.6457
Gm17	1294423	1294591	Gmdrm	hypo	CHG	-0.9408
Gm17	1308551	1308807	Gmdrm	hypo	CHG	-0.5868
Gm17	1322815	1323038	Gmdrm	hypo	CHG	-0.1928
Gm17	1325323	1325473	Gmdrm	hypo	CHG	-0.71
Gm17	1326766	1326904	Gmdrm	hypo	CHG	-0.624
Gm17	1333879	1334105	Gmdrm	hypo	CHG	-0.197
Gm17	1350694	1351264	Gmdrm	hypo	CHG	-0.2626
Gm17	1357798	1358012	Gmdrm	hypo	CHG	-0.0367
Gm17	1374075	1374161	Gmdrm	hypo	CHG	-0.244
Gm17	1376702	1377092	Gmdrm	hypo	CHG	-0.0525
Gm17	1397995	1398360	Gmdrm	hypo	CHG	-0.4293
Gm17	1433607	1433794	Gmdrm	hypo	CHG	-0.7671
Gm17	1433937	1434032	Gmdrm	hypo	CHG	-0.892
Gm17	1447828	1448016	Gmdrm	hypo	CHG	-0.06
Gm17	1458371	1458398	Gmdrm	hypo	CHG	-0.7683
Gm17	1465701	1466130	Gmdrm	hypo	CHG	-0.5789
Gm17	1467418	1467848	Gmdrm	hypo	CHG	-0.4723
Gm17	1483653	1484538	Gmdrm	hypo	CHG	-0.3065
Gm17	1496013	1496302	Gmdrm	hypo	CHG	-0.3656
Gm17	1499632	1499831	Gmdrm	hypo	CHG	-0.755
Gm17	1515929	1515991	Gmdrm	hypo	CHG	-0.8583
Gm17	1516236	1516605	Gmdrm	hypo	CHG	-0.8781
Gm17	1544252	1544373	Gmdrm	hypo	CHG	-0.0217
Gm17	1568916	1569068	Gmdrm	hypo	CHG	-0.8521
Gm17	1569907	1569991	Gmdrm	hypo	CHG	-0.796
Gm17	1613113	1613226	Gmdrm	hypo	CHG	-0.084
Gm17	1616615	1616866	Gmdrm	hypo	CHG	-0.0817

Gm17	1671092	1671299	Gmdrm	hypo	CHG	-0.9061
Gm17	1671730	1672181	Gmdrm	hypo	CHG	-0.8444
Gm17	1714142	1714305	Gmdrm	hypo	CHG	-0.054
Gm17	1717656	1717820	Gmdrm	hypo	CHG	-0.046
Gm17	1743265	1743616	Gmdrm	hypo	CHG	-0.7889
Gm17	1745433	1745701	Gmdrm	hypo	CHG	-0.859
Gm17	1746567	1746665	Gmdrm	hypo	CHG	-0.6705
Gm17	1761106	1761834	Gmdrm	hypo	CHG	-0.1532
Gm17	1902963	1903241	Gmdrm	hypo	CHG	-0.032
Gm17	1908834	1909092	Gmdrm	hypo	CHG	-0.0389
Gm17	1921132	1921180	Gmdrm	hypo	CHG	-0.0329
Gm17	1957771	1957806	Gmdrm	hypo	CHG	-0.048
Gm17	1958398	1958451	Gmdrm	hypo	CHG	-0.0586
Gm17	1986200	1986360	Gmdrm	hypo	CHG	-0.055
Gm17	1987356	1987456	Gmdrm	hypo	CHG	-0.7766
Gm17	2051307	2051531	Gmdrm	hypo	CHG	-0.4922
Gm17	2056811	2056894	Gmdrm	hypo	CHG	-0.3824
Gm17	2079954	2080276	Gmdrm	hypo	CHG	-0.0414
Gm17	2082578	2082762	Gmdrm	hypo	CHG	-0.6371
Gm17	2082866	2083505	Gmdrm	hypo	CHG	-0.3594
Gm17	2152563	2152892	Gmdrm	hypo	CHG	-0.1089
Gm17	2153514	2153826	Gmdrm	hypo	CHG	-0.3367
Gm17	2157772	2158193	Gmdrm	hypo	CHG	-0.0506
Gm17	2179856	2180252	Gmdrm	hypo	CHG	-0.651
Gm17	2189408	2189584	Gmdrm	hypo	CHG	-0.05
Gm17	2197749	2197859	Gmdrm	hypo	CHG	-0.032
Gm17	2223747	2224134	Gmdrm	hypo	CHG	-0.2489
Gm17	2232251	2232583	Gmdrm	hypo	CHG	-0.78
Gm17	2234933	2235236	Gmdrm	hypo	CHG	-0.4879
Gm17	2235440	2235622	Gmdrm	hypo	CHG	-0.56
Gm17	2238180	2238283	Gmdrm	hypo	CHG	-0.822
Gm17	2262223	2262360	Gmdrm	hypo	CHG	-0.9322
Gm17	2282288	2282434	Gmdrm	hypo	CHG	-0.0434
Gm17	2307357	2307522	Gmdrm	hypo	CHG	-0.4901
Gm17	2307691	2307862	Gmdrm	hypo	CHG	-0.5057
Gm17	2327554	2327722	Gmdrm	hypo	CHG	-0.0872
Gm17	2328687	2328758	Gmdrm	hypo	CHG	-0.028
Gm17	2332435	2332556	Gmdrm	hypo	CHG	-0.06
Gm17	2336231	2336408	Gmdrm	hypo	CHG	-0.1986
Gm17	2348672	2349274	Gmdrm	hypo	CHG	-0.0539
Gm17	2355155	2355382	Gmdrm	hypo	CHG	-0.5966
Gm17	2372180	2372272	Gmdrm	hypo	CHG	-0.64
Gm17	2372610	2372736	Gmdrm	hypo	CHG	-0.6262
Gm17	2372946	2373291	Gmdrm	hypo	CHG	-0.4311
Gm17	2378608	2378839	Gmdrm	hypo	CHG	-0.425
Gm17	2391574	2392045	Gmdrm	hypo	CHG	-0.5324

Gm17	2395462	2395882	Gmdrm	hypo	CHG	-0.2008
Gm17	2395986	2396280	Gmdrm	hypo	CHG	-0.3071
Gm17	2441222	2441259	Gmdrm	hypo	CHG	-0.2683
Gm17	2500962	2501241	Gmdrm	hypo	CHG	-0.2589
Gm17	2519690	2519852	Gmdrm	hypo	CHG	-0.042
Gm17	2526657	2526741	Gmdrm	hypo	CHG	-0.05
Gm17	2530093	2530289	Gmdrm	hypo	CHG	-0.046
Gm17	2532411	2532508	Gmdrm	hypo	CHG	-0.73
Gm17	2532764	2532893	Gmdrm	hypo	CHG	-0.5669
Gm17	2556299	2556522	Gmdrm	hypo	CHG	-0.0472
Gm17	2567700	2567792	Gmdrm	hypo	CHG	-0.4876
Gm17	2577380	2577629	Gmdrm	hypo	CHG	-0.032
Gm17	2605961	2606012	Gmdrm	hypo	CHG	-0.044
Gm17	2610170	2610315	Gmdrm	hypo	CHG	-0.04
Gm17	2610834	2610994	Gmdrm	hypo	CHG	-0.054
Gm17	2622784	2622937	Gmdrm	hypo	CHG	-0.7856
Gm17	2623850	2624294	Gmdrm	hypo	CHG	-0.4544
Gm17	2640798	2641360	Gmdrm	hypo	CHG	-0.1626
Gm17	2641672	2642190	Gmdrm	hypo	CHG	-0.3109
Gm17	2653216	2653246	Gmdrm	hypo	CHG	-0.8917
Gm17	2653436	2653556	Gmdrm	hypo	CHG	-0.7187
Gm17	2653875	2653903	Gmdrm	hypo	CHG	-0.8833
Gm17	2688883	2689021	Gmdrm	hypo	CHG	-0.1057
Gm17	2702385	2702835	Gmdrm	hypo	CHG	-0.0884
Gm17	2718438	2718611	Gmdrm	hypo	CHG	-0.04
Gm17	2730219	2730231	Gmdrm	hypo	CHG	-0.06
Gm17	2772526	2773158	Gmdrm	hypo	CHG	-0.262
Gm17	2817441	2817576	Gmdrm	hypo	CHG	-0.05
Gm17	2827002	2827099	Gmdrm	hypo	CHG	-0.1575
Gm17	2851792	2852042	Gmdrm	hypo	CHG	-0.0311
Gm17	2857910	2857936	Gmdrm	hypo	CHG	-0.7434
Gm17	2859265	2859531	Gmdrm	hypo	CHG	-0.605
Gm17	2901710	2901938	Gmdrm	hypo	CHG	-0.0367
Gm17	2903523	2903918	Gmdrm	hypo	CHG	-0.2786
Gm17	2949409	2949505	Gmdrm	hypo	CHG	-0.042
Gm17	2949718	2949782	Gmdrm	hypo	CHG	-0.7833
Gm17	2950054	2950402	Gmdrm	hypo	CHG	-0.8487
Gm17	2960525	2960627	Gmdrm	hypo	CHG	-0.2038
Gm17	2961109	2961350	Gmdrm	hypo	CHG	-0.0609
Gm17	2983444	2983550	Gmdrm	hypo	CHG	-0.062
Gm17	2992787	2992921	Gmdrm	hypo	CHG	-0.4828
Gm17	3021580	3021770	Gmdrm	hypo	CHG	-0.0411
Gm17	3036263	3036325	Gmdrm	hypo	CHG	-0.5116
Gm17	3039852	3039929	Gmdrm	hypo	CHG	-0.85
Gm17	3047682	3048593	Gmdrm	hypo	CHG	-0.135
Gm17	3073018	3073239	Gmdrm	hypo	CHG	-0.5488

Gm17	3074054	3074109 Gmdrm	hypo	CHG	-0.665
Gm17	3074218	3074374 Gmdrm	hypo	CHG	-0.6522
Gm17	3081342	3081512 Gmdrm	hypo	CHG	-0.0417
Gm17	3085383	3085412 Gmdrm	hypo	CHG	-0.3014
Gm17	3085830	3086051 Gmdrm	hypo	CHG	-0.8824
Gm17	3091284	3091448 Gmdrm	hypo	CHG	-0.034
Gm17	3094751	3094875 Gmdrm	hypo	CHG	-0.805
Gm17	3094977	3095121 Gmdrm	hypo	CHG	-0.84
Gm17	3128147	3128519 Gmdrm	hypo	CHG	-0.0454
Gm17	3134528	3134619 Gmdrm	hypo	CHG	-0.8215
Gm17	3147272	3147295 Gmdrm	hypo	CHG	-0.802
Gm17	3149351	3149567 Gmdrm	hypo	CHG	-0.4134
Gm17	3158826	3159095 Gmdrm	hypo	CHG	-0.7625
Gm17	3168253	3168416 Gmdrm	hypo	CHG	-0.52
Gm17	3192857	3193058 Gmdrm	hypo	CHG	-0.4964
Gm17	3202529	3202730 Gmdrm	hypo	CHG	-0.7077
Gm17	3202989	3203066 Gmdrm	hypo	CHG	-0.4455
Gm17	3230619	3230852 Gmdrm	hypo	CHG	-0.3934
Gm17	3232867	3232920 Gmdrm	hypo	CHG	-0.33
Gm17	3246461	3246675 Gmdrm	hypo	CHG	-0.5167
Gm17	3263188	3263336 Gmdrm	hypo	CHG	-0.1837
Gm17	3266642	3267029 Gmdrm	hypo	CHG	-0.037
Gm17	3268452	3268663 Gmdrm	hypo	CHG	-0.035
Gm17	3329912	3330092 Gmdrm	hypo	CHG	-0.4889
Gm17	3337257	3337521 Gmdrm	hypo	CHG	-0.042
Gm17	3351203	3351343 Gmdrm	hypo	CHG	-0.038
Gm17	3398892	3398996 Gmdrm	hypo	CHG	-0.035
Gm17	3401048	3401258 Gmdrm	hypo	CHG	-0.5348
Gm17	3425341	3425504 Gmdrm	hypo	CHG	-0.0866
Gm17	3496524	3496561 Gmdrm	hypo	CHG	-0.038
Gm17	3496935	3497115 Gmdrm	hypo	CHG	-0.641
Gm17	3499117	3499323 Gmdrm	hypo	CHG	-0.6662
Gm17	3499464	3499506 Gmdrm	hypo	CHG	-0.5183
Gm17	3517428	3517876 Gmdrm	hypo	CHG	-0.03
Gm17	3527798	3528009 Gmdrm	hypo	CHG	-0.046
Gm17	3528871	3528966 Gmdrm	hypo	CHG	-0.0457
Gm17	3535770	3535867 Gmdrm	hypo	CHG	-0.2954
Gm17	3545384	3545474 Gmdrm	hypo	CHG	-0.595
Gm17	3545744	3545881 Gmdrm	hypo	CHG	-0.64
Gm17	3568920	3569096 Gmdrm	hypo	CHG	-0.141
Gm17	3569412	3569697 Gmdrm	hypo	CHG	-0.041
Gm17	3592397	3592640 Gmdrm	hypo	CHG	-0.5578
Gm17	3598661	3598890 Gmdrm	hypo	CHG	-0.8933
Gm17	3617857	3618049 Gmdrm	hypo	CHG	-0.58
Gm17	3627618	3627797 Gmdrm	hypo	CHG	-0.0437
Gm17	3630869	3631298 Gmdrm	hypo	CHG	-0.038

Gm17	3674198	3674428 Gmdrm	hypo	CHG	-0.046
Gm17	3678878	3679239 Gmdrm	hypo	CHG	-0.8687
Gm17	3690729	3690870 Gmdrm	hypo	CHG	-0.5767
Gm17	3703237	3703409 Gmdrm	hypo	CHG	-0.032
Gm17	3708073	3708310 Gmdrm	hypo	CHG	-0.0463
Gm17	3709932	3710050 Gmdrm	hypo	CHG	-0.87
Gm17	3710418	3710507 Gmdrm	hypo	CHG	-0.5567
Gm17	3715142	3715386 Gmdrm	hypo	CHG	-0.25
Gm17	3715851	3715969 Gmdrm	hypo	CHG	-0.2051
Gm17	3716079	3716353 Gmdrm	hypo	CHG	-0.2023
Gm17	3743560	3743642 Gmdrm	hypo	CHG	-0.092
Gm17	3744090	3744368 Gmdrm	hypo	CHG	-0.6633
Gm17	3754829	3754954 Gmdrm	hypo	CHG	-0.77
Gm17	3763945	3764119 Gmdrm	hypo	CHG	-0.3773
Gm17	3782038	3782275 Gmdrm	hypo	CHG	-0.0525
Gm17	3788577	3788777 Gmdrm	hypo	CHG	-0.7007
Gm17	3792365	3792425 Gmdrm	hypo	CHG	-0.576
Gm17	3804023	3804214 Gmdrm	hypo	CHG	-0.0739
Gm17	3838682	3838834 Gmdrm	hypo	CHG	-0.0267
Gm17	3844001	3844251 Gmdrm	hypo	CHG	-0.528
Gm17	3849187	3849580 Gmdrm	hypo	CHG	-0.0946
Gm17	3860023	3860196 Gmdrm	hypo	CHG	-0.028
Gm17	3860457	3860605 Gmdrm	hypo	CHG	-0.9387
Gm17	3860924	3861004 Gmdrm	hypo	CHG	-0.705
Gm17	3868568	3868876 Gmdrm	hypo	CHG	-0.8906
Gm17	3869151	3869476 Gmdrm	hypo	CHG	-0.6278
Gm17	3869636	3869827 Gmdrm	hypo	CHG	-0.0467
Gm17	3894151	3894194 Gmdrm	hypo	CHG	-0.31
Gm17	3903415	3904031 Gmdrm	hypo	CHG	-0.475
Gm17	3915084	3915280 Gmdrm	hypo	CHG	-0.0567
Gm17	3924360	3925004 Gmdrm	hypo	CHG	-0.1687
Gm17	3926798	3926948 Gmdrm	hypo	CHG	-0.046
Gm17	3940145	3940296 Gmdrm	hypo	CHG	-0.03
Gm17	4012201	4012300 Gmdrm	hypo	CHG	-0.523
Gm17	4012424	4012734 Gmdrm	hypo	CHG	-0.6533
Gm17	4029994	4030530 Gmdrm	hypo	CHG	-0.4892
Gm17	4031302	4031578 Gmdrm	hypo	CHG	-0.574
Gm17	4034887	4035094 Gmdrm	hypo	CHG	-0.05
Gm17	4035911	4036023 Gmdrm	hypo	CHG	-0.4717
Gm17	4052483	4052602 Gmdrm	hypo	CHG	-0.07
Gm17	4120790	4121123 Gmdrm	hypo	CHG	-0.0286
Gm17	4121362	4121475 Gmdrm	hypo	CHG	-0.5277
Gm17	4121663	4121891 Gmdrm	hypo	CHG	-0.6976
Gm17	4146613	4146757 Gmdrm	hypo	CHG	-0.04
Gm17	4174173	4174258 Gmdrm	hypo	CHG	-0.672
Gm17	4228325	4228464 Gmdrm	hypo	CHG	-0.246

Gm17	4228833	4228977	Gmdrm	hypo	CHG	-0.815
Gm17	4229147	4229274	Gmdrm	hypo	CHG	-0.9263
Gm17	4229706	4229834	Gmdrm	hypo	CHG	-0.7562
Gm17	4263701	4264065	Gmdrm	hypo	CHG	-0.5706
Gm17	4265415	4266184	Gmdrm	hypo	CHG	-0.1898
Gm17	4282169	4282324	Gmdrm	hypo	CHG	-0.0446
Gm17	4306610	4306640	Gmdrm	hypo	CHG	-0.516
Gm17	4308480	4308800	Gmdrm	hypo	CHG	-0.7146
Gm17	4315510	4315720	Gmdrm	hypo	CHG	-0.3036
Gm17	4316497	4316541	Gmdrm	hypo	CHG	-0.8416
Gm17	4327409	4327821	Gmdrm	hypo	CHG	-0.7292
Gm17	4328218	4328732	Gmdrm	hypo	CHG	-0.74
Gm17	4329204	4329366	Gmdrm	hypo	CHG	-0.07
Gm17	4339855	4340350	Gmdrm	hypo	CHG	-0.4579
Gm17	4340460	4340499	Gmdrm	hypo	CHG	-0.594
Gm17	4344547	4344682	Gmdrm	hypo	CHG	-0.4072
Gm17	4350814	4350871	Gmdrm	hypo	CHG	-0.0983
Gm17	4353972	4354480	Gmdrm	hypo	CHG	-0.0431
Gm17	4382633	4382987	Gmdrm	hypo	CHG	-0.0378
Gm17	4400616	4400738	Gmdrm	hypo	CHG	-0.7683
Gm17	4400844	4401100	Gmdrm	hypo	CHG	-0.7015
Gm17	4401464	4401548	Gmdrm	hypo	CHG	-0.1417
Gm17	4405174	4405347	Gmdrm	hypo	CHG	-0.6329
Gm17	4413981	4414174	Gmdrm	hypo	CHG	-0.5017
Gm17	4456575	4456839	Gmdrm	hypo	CHG	-0.652
Gm17	4460127	4460202	Gmdrm	hypo	CHG	-0.8116
Gm17	4460315	4460570	Gmdrm	hypo	CHG	-0.6808
Gm17	4475658	4475770	Gmdrm	hypo	CHG	-0.058
Gm17	4485953	4486072	Gmdrm	hypo	CHG	-0.032
Gm17	4517055	4517431	Gmdrm	hypo	CHG	-0.2745
Gm17	4517546	4517596	Gmdrm	hypo	CHG	-0.1
Gm17	4567921	4568370	Gmdrm	hypo	CHG	-0.032
Gm17	4578518	4578651	Gmdrm	hypo	CHG	-0.3825
Gm17	4601594	4601797	Gmdrm	hypo	CHG	-0.47
Gm17	4601905	4602080	Gmdrm	hypo	CHG	-0.4434
Gm17	4610583	4610770	Gmdrm	hypo	CHG	-0.8047
Gm17	4628790	4628864	Gmdrm	hypo	CHG	-0.2816
Gm17	4629185	4629217	Gmdrm	hypo	CHG	-0.572
Gm17	4629336	4629409	Gmdrm	hypo	CHG	-0.84
Gm17	4630274	4630375	Gmdrm	hypo	CHG	-0.67
Gm17	4639773	4639978	Gmdrm	hypo	CHG	-0.541
Gm17	4641577	4641638	Gmdrm	hypo	CHG	-0.4684
Gm17	4668186	4668348	Gmdrm	hypo	CHG	-0.86
Gm17	4668493	4668771	Gmdrm	hypo	CHG	-0.8648
Gm17	4685057	4685409	Gmdrm	hypo	CHG	-0.3083
Gm17	4692705	4692893	Gmdrm	hypo	CHG	-0.8711

Gm17	4702374	4702536	Gmdrm	hypo	CHG	-0.8172
Gm17	4780787	4781270	Gmdrm	hypo	CHG	-0.7618
Gm17	4802773	4802870	Gmdrm	hypo	CHG	-0.568
Gm17	4803054	4803244	Gmdrm	hypo	CHG	-0.7729
Gm17	4820282	4820428	Gmdrm	hypo	CHG	-0.646
Gm17	4836379	4836488	Gmdrm	hypo	CHG	-0.0638
Gm17	4871304	4871543	Gmdrm	hypo	CHG	-0.7713
Gm17	4871692	4871822	Gmdrm	hypo	CHG	-0.56
Gm17	4871962	4872061	Gmdrm	hypo	CHG	-0.3525
Gm17	4875461	4875614	Gmdrm	hypo	CHG	-0.6445
Gm17	4875939	4876325	Gmdrm	hypo	CHG	-0.4277
Gm17	4891387	4891676	Gmdrm	hypo	CHG	-0.765
Gm17	4897241	4897502	Gmdrm	hypo	CHG	-0.034
Gm17	4929132	4929178	Gmdrm	hypo	CHG	-0.06
Gm17	4941237	4941402	Gmdrm	hypo	CHG	-0.5333
Gm17	4950778	4950960	Gmdrm	hypo	CHG	-0.0385
Gm17	4951106	4951787	Gmdrm	hypo	CHG	-0.1541
Gm17	4964769	4965108	Gmdrm	hypo	CHG	-0.4725
Gm17	4965373	4965571	Gmdrm	hypo	CHG	-0.4236
Gm17	4982295	4982629	Gmdrm	hypo	CHG	-0.216
Gm17	4982733	4982782	Gmdrm	hypo	CHG	-0.64
Gm17	4986855	4987035	Gmdrm	hypo	CHG	-0.26
Gm17	4988315	4988456	Gmdrm	hypo	CHG	-0.463
Gm17	5016148	5016253	Gmdrm	hypo	CHG	-0.7917
Gm17	5018898	5019173	Gmdrm	hypo	CHG	-0.0709
Gm17	5033407	5033657	Gmdrm	hypo	CHG	-0.6
Gm17	5033777	5033872	Gmdrm	hypo	CHG	-0.7866
Gm17	5045200	5045330	Gmdrm	hypo	CHG	-0.028
Gm17	5075185	5075461	Gmdrm	hypo	CHG	-0.0651
Gm17	5119625	5119734	Gmdrm	hypo	CHG	-0.4642
Gm17	5133609	5133652	Gmdrm	hypo	CHG	-0.6633
Gm17	5154176	5154265	Gmdrm	hypo	CHG	-0.4466
Gm17	5154945	5155752	Gmdrm	hypo	CHG	-0.3168
Gm17	5160426	5161069	Gmdrm	hypo	CHG	-0.1602
Gm17	5191987	5192101	Gmdrm	hypo	CHG	-0.722
Gm17	5192446	5192629	Gmdrm	hypo	CHG	-0.7634
Gm17	5201562	5201894	Gmdrm	hypo	CHG	-0.3704
Gm17	5202040	5202111	Gmdrm	hypo	CHG	-0.0866
Gm17	5216091	5216413	Gmdrm	hypo	CHG	-0.0591
Gm17	5216984	5217446	Gmdrm	hypo	CHG	-0.0335
Gm17	5219737	5220011	Gmdrm	hypo	CHG	-0.1725
Gm17	5225840	5226155	Gmdrm	hypo	CHG	-0.5837
Gm17	5234287	5234367	Gmdrm	hypo	CHG	-0.14
Gm17	5234880	5235198	Gmdrm	hypo	CHG	-0.05
Gm17	5241839	5242148	Gmdrm	hypo	CHG	-0.2066
Gm17	5251713	5251842	Gmdrm	hypo	CHG	-0.5187

Gm17	5260447	5260731 Gmdrm	hypo	CHG	-0.893
Gm17	5289649	5289846 Gmdrm	hypo	CHG	-0.0411
Gm17	5306872	5307248 Gmdrm	hypo	CHG	-0.0518
Gm17	5322833	5322935 Gmdrm	hypo	CHG	-0.0228
Gm17	5350057	5350776 Gmdrm	hypo	CHG	-0.3283
Gm17	5350929	5351144 Gmdrm	hypo	CHG	-0.2167
Gm17	5354748	5355024 Gmdrm	hypo	CHG	-0.5075
Gm17	5388995	5389091 Gmdrm	hypo	CHG	-0.8812
Gm17	5392617	5392759 Gmdrm	hypo	CHG	-0.05
Gm17	5395747	5395978 Gmdrm	hypo	CHG	-0.5115
Gm17	5418986	5419376 Gmdrm	hypo	CHG	-0.4116
Gm17	5419531	5420023 Gmdrm	hypo	CHG	-0.2477
Gm17	5422156	5422745 Gmdrm	hypo	CHG	-0.1828
Gm17	5423344	5423453 Gmdrm	hypo	CHG	-0.4067
Gm17	5430876	5431311 Gmdrm	hypo	CHG	-0.0282
Gm17	5434410	5434537 Gmdrm	hypo	CHG	-0.8209
Gm17	5441490	5441768 Gmdrm	hypo	CHG	-0.1325
Gm17	5442773	5443051 Gmdrm	hypo	CHG	-0.0414
Gm17	5467729	5468066 Gmdrm	hypo	CHG	-0.159
Gm17	5481341	5481468 Gmdrm	hypo	CHG	-0.036
Gm17	5506071	5506359 Gmdrm	hypo	CHG	-0.04
Gm17	5517291	5517382 Gmdrm	hypo	CHG	-0.6925
Gm17	5531264	5531436 Gmdrm	hypo	CHG	-0.7443
Gm17	5537374	5537452 Gmdrm	hypo	CHG	-0.0712
Gm17	5546910	5546997 Gmdrm	hypo	CHG	-0.3743
Gm17	5547223	5547398 Gmdrm	hypo	CHG	-0.721
Gm17	5548040	5548219 Gmdrm	hypo	CHG	-0.0467
Gm17	5570152	5570290 Gmdrm	hypo	CHG	-0.6234
Gm17	5570403	5570533 Gmdrm	hypo	CHG	-0.7966
Gm17	5571195	5571416 Gmdrm	hypo	CHG	-0.808
Gm17	5591955	5592027 Gmdrm	hypo	CHG	-0.8181
Gm17	5594962	5595042 Gmdrm	hypo	CHG	-0.4633
Gm17	5595198	5595431 Gmdrm	hypo	CHG	-0.2145
Gm17	5595557	5595772 Gmdrm	hypo	CHG	-0.359
Gm17	5612083	5612356 Gmdrm	hypo	CHG	-0.742
Gm17	5612508	5612782 Gmdrm	hypo	CHG	-0.8133
Gm17	5613020	5613135 Gmdrm	hypo	CHG	-0.5258
Gm17	5617882	5618130 Gmdrm	hypo	CHG	-0.0414
Gm17	5629229	5629373 Gmdrm	hypo	CHG	-0.3531
Gm17	5690305	5690423 Gmdrm	hypo	CHG	-0.6501
Gm17	5695160	5695291 Gmdrm	hypo	CHG	-0.482
Gm17	5695469	5695858 Gmdrm	hypo	CHG	-0.4711
Gm17	5696607	5696933 Gmdrm	hypo	CHG	-0.5694
Gm17	5697372	5697535 Gmdrm	hypo	CHG	-0.3311
Gm17	5697809	5698095 Gmdrm	hypo	CHG	-0.34
Gm17	5698458	5698537 Gmdrm	hypo	CHG	-0.582

Gm17	5704016	5704338	Gmdrm	hypo	CHG	-0.348
Gm17	5708502	5708968	Gmdrm	hypo	CHG	-0.1328
Gm17	5714304	5714447	Gmdrm	hypo	CHG	-0.3799
Gm17	5714847	5714985	Gmdrm	hypo	CHG	-0.0714
Gm17	5725752	5726039	Gmdrm	hypo	CHG	-0.0256
Gm17	5732502	5732563	Gmdrm	hypo	CHG	-0.904
Gm17	5741714	5742064	Gmdrm	hypo	CHG	-0.7713
Gm17	5742228	5742498	Gmdrm	hypo	CHG	-0.7087
Gm17	5764058	5764163	Gmdrm	hypo	CHG	-0.9662
Gm17	5767148	5767250	Gmdrm	hypo	CHG	-0.0367
Gm17	5800427	5800580	Gmdrm	hypo	CHG	-0.0657
Gm17	5806318	5806553	Gmdrm	hypo	CHG	-0.073
Gm17	5811296	5811397	Gmdrm	hypo	CHG	-0.0433
Gm17	5824197	5824360	Gmdrm	hypo	CHG	-0.27
Gm17	5834256	5835022	Gmdrm	hypo	CHG	-0.1658
Gm17	5838911	5839007	Gmdrm	hypo	CHG	-0.058
Gm17	5840523	5840631	Gmdrm	hypo	CHG	-0.082
Gm17	5853450	5853670	Gmdrm	hypo	CHG	-0.05
Gm17	5859495	5859924	Gmdrm	hypo	CHG	-0.2365
Gm17	5860101	5860337	Gmdrm	hypo	CHG	-0.0257
Gm17	5866100	5866231	Gmdrm	hypo	CHG	-0.4488
Gm17	5878380	5878547	Gmdrm	hypo	CHG	-0.044
Gm17	5889337	5889432	Gmdrm	hypo	CHG	-0.6972
Gm17	5890569	5890715	Gmdrm	hypo	CHG	-0.515
Gm17	5920832	5920985	Gmdrm	hypo	CHG	-0.7534
Gm17	5927460	5927799	Gmdrm	hypo	CHG	-0.0325
Gm17	5944668	5944881	Gmdrm	hypo	CHG	-0.06
Gm17	5947687	5947711	Gmdrm	hypo	CHG	-0.386
Gm17	5962593	5963155	Gmdrm	hypo	CHG	-0.0294
Gm17	6001473	6001498	Gmdrm	hypo	CHG	-0.1629
Gm17	6010674	6010969	Gmdrm	hypo	CHG	-0.04
Gm17	6030298	6030539	Gmdrm	hypo	CHG	-0.6986
Gm17	6032198	6032369	Gmdrm	hypo	CHG	-0.4987
Gm17	6042167	6042416	Gmdrm	hypo	CHG	-0.734
Gm17	6042530	6042609	Gmdrm	hypo	CHG	-0.794
Gm17	6046255	6046669	Gmdrm	hypo	CHG	-0.036
Gm17	6051677	6051872	Gmdrm	hypo	CHG	-0.0357
Gm17	6073538	6073677	Gmdrm	hypo	CHG	-0.058
Gm17	6080243	6080726	Gmdrm	hypo	CHG	-0.5757
Gm17	6114767	6115437	Gmdrm	hypo	CHG	-0.6932
Gm17	6117587	6117967	Gmdrm	hypo	CHG	-0.0427
Gm17	6130539	6130597	Gmdrm	hypo	CHG	-0.634
Gm17	6131039	6131105	Gmdrm	hypo	CHG	-0.684
Gm17	6139895	6140041	Gmdrm	hypo	CHG	-0.1386
Gm17	6140504	6140550	Gmdrm	hypo	CHG	-0.116
Gm17	6144625	6144855	Gmdrm	hypo	CHG	-0.04

Gm17	6152591	6152844	Gmdrm	hypo	CHG	-0.0572
Gm17	6158981	6159144	Gmdrm	hypo	CHG	-0.078
Gm17	6215264	6215371	Gmdrm	hypo	CHG	-0.588
Gm17	6232140	6232194	Gmdrm	hypo	CHG	-0.076
Gm17	6235169	6235367	Gmdrm	hypo	CHG	-0.5083
Gm17	6237907	6238136	Gmdrm	hypo	CHG	-0.4825
Gm17	6239071	6239493	Gmdrm	hypo	CHG	-0.5607
Gm17	6242275	6242550	Gmdrm	hypo	CHG	-0.6286
Gm17	6244849	6245327	Gmdrm	hypo	CHG	-0.3622
Gm17	6280527	6280629	Gmdrm	hypo	CHG	-0.048
Gm17	6310013	6310172	Gmdrm	hypo	CHG	-0.032
Gm17	6332732	6332804	Gmdrm	hypo	CHG	-0.086
Gm17	6361835	6361920	Gmdrm	hypo	CHG	-0.43
Gm17	6362023	6362212	Gmdrm	hypo	CHG	-0.6167
Gm17	6362501	6363411	Gmdrm	hypo	CHG	-0.1785
Gm17	6381897	6382200	Gmdrm	hypo	CHG	-0.656
Gm17	6382506	6382718	Gmdrm	hypo	CHG	-0.8629
Gm17	6391658	6391820	Gmdrm	hypo	CHG	-0.068
Gm17	6419717	6419856	Gmdrm	hypo	CHG	-0.6767
Gm17	6432324	6432495	Gmdrm	hypo	CHG	-0.4148
Gm17	6464812	6465192	Gmdrm	hypo	CHG	-0.0269
Gm17	6471698	6471845	Gmdrm	hypo	CHG	-0.7472
Gm17	6476791	6476955	Gmdrm	hypo	CHG	-0.062
Gm17	6477128	6477431	Gmdrm	hypo	CHG	-0.0367
Gm17	6488876	6488979	Gmdrm	hypo	CHG	-0.394
Gm17	6489385	6489460	Gmdrm	hypo	CHG	-0.1589
Gm17	6507879	6508267	Gmdrm	hypo	CHG	-0.2375
Gm17	6518508	6519048	Gmdrm	hypo	CHG	-0.6332
Gm17	6519432	6519645	Gmdrm	hypo	CHG	-0.7621
Gm17	6519807	6520126	Gmdrm	hypo	CHG	-0.6533
Gm17	6520467	6520580	Gmdrm	hypo	CHG	-0.745
Gm17	6520693	6520932	Gmdrm	hypo	CHG	-0.7825
Gm17	6538339	6538516	Gmdrm	hypo	CHG	-0.07
Gm17	6540280	6540561	Gmdrm	hypo	CHG	-0.6147
Gm17	6541032	6541125	Gmdrm	hypo	CHG	-0.775
Gm17	6544256	6544554	Gmdrm	hypo	CHG	-0.0412
Gm17	6557115	6557563	Gmdrm	hypo	CHG	-0.2156
Gm17	6584594	6584724	Gmdrm	hypo	CHG	-0.4534
Gm17	6584928	6585134	Gmdrm	hypo	CHG	-0.8342
Gm17	6589492	6589662	Gmdrm	hypo	CHG	-0.384
Gm17	6605397	6605500	Gmdrm	hypo	CHG	-0.53
Gm17	6610863	6611078	Gmdrm	hypo	CHG	-0.0617
Gm17	6618505	6618728	Gmdrm	hypo	CHG	-0.7125
Gm17	6618841	6619016	Gmdrm	hypo	CHG	-0.902
Gm17	6619200	6619384	Gmdrm	hypo	CHG	-0.8067
Gm17	6619668	6619856	Gmdrm	hypo	CHG	-0.72

Gm17	6639595	6640039	Gmdrm	hypo	CHG	-0.459
Gm17	6648614	6648692	Gmdrm	hypo	CHG	-0.6833
Gm17	6652752	6652906	Gmdrm	hypo	CHG	-0.04
Gm17	6683900	6683963	Gmdrm	hypo	CHG	-0.8583
Gm17	6684478	6684669	Gmdrm	hypo	CHG	-0.6456
Gm17	6701295	6701576	Gmdrm	hypo	CHG	-0.0286
Gm17	6714809	6714863	Gmdrm	hypo	CHG	-0.7383
Gm17	6715351	6715668	Gmdrm	hypo	CHG	-0.3642
Gm17	6716307	6716531	Gmdrm	hypo	CHG	-0.43
Gm17	6719242	6719319	Gmdrm	hypo	CHG	-0.242
Gm17	6719420	6719806	Gmdrm	hypo	CHG	-0.7146
Gm17	6721236	6721331	Gmdrm	hypo	CHG	-0.032
Gm17	6724613	6724704	Gmdrm	hypo	CHG	-0.42
Gm17	6728608	6729139	Gmdrm	hypo	CHG	-0.8534
Gm17	6739664	6739782	Gmdrm	hypo	CHG	-0.03
Gm17	6768353	6768486	Gmdrm	hypo	CHG	-0.0317
Gm17	6783922	6784319	Gmdrm	hypo	CHG	-0.065
Gm17	6791604	6791870	Gmdrm	hypo	CHG	-0.4143
Gm17	6791998	6792163	Gmdrm	hypo	CHG	-0.3978
Gm17	6795975	6796189	Gmdrm	hypo	CHG	-0.038
Gm17	6800819	6801090	Gmdrm	hypo	CHG	-0.7473
Gm17	6806427	6806626	Gmdrm	hypo	CHG	-0.324
Gm17	6809536	6809783	Gmdrm	hypo	CHG	-0.5813
Gm17	6810166	6810307	Gmdrm	hypo	CHG	-0.3117
Gm17	6812859	6812985	Gmdrm	hypo	CHG	-0.052
Gm17	6820206	6821030	Gmdrm	hypo	CHG	-0.0957
Gm17	6825139	6825255	Gmdrm	hypo	CHG	-0.028
Gm17	6825904	6825938	Gmdrm	hypo	CHG	-0.45
Gm17	6866634	6866861	Gmdrm	hypo	CHG	-0.9163
Gm17	6871614	6871991	Gmdrm	hypo	CHG	-0.04
Gm17	6880204	6880324	Gmdrm	hypo	CHG	-0.9591
Gm17	6880459	6880661	Gmdrm	hypo	CHG	-0.8462
Gm17	6897340	6897511	Gmdrm	hypo	CHG	-0.6884
Gm17	6897676	6897827	Gmdrm	hypo	CHG	-0.7137
Gm17	6924806	6925035	Gmdrm	hypo	CHG	-0.7428
Gm17	6925225	6925352	Gmdrm	hypo	CHG	-0.9137
Gm17	6925457	6925530	Gmdrm	hypo	CHG	-0.83
Gm17	6944149	6944256	Gmdrm	hypo	CHG	-0.7234
Gm17	6944362	6944581	Gmdrm	hypo	CHG	-0.3855
Gm17	6950212	6950588	Gmdrm	hypo	CHG	-0.4261
Gm17	6950694	6951043	Gmdrm	hypo	CHG	-0.371
Gm17	6958368	6958467	Gmdrm	hypo	CHG	-0.05
Gm17	6962048	6962703	Gmdrm	hypo	CHG	-0.5577
Gm17	6963328	6963488	Gmdrm	hypo	CHG	-0.6975
Gm17	6967765	6967944	Gmdrm	hypo	CHG	-0.7375
Gm17	6968664	6968731	Gmdrm	hypo	CHG	-0.5287

Gm17	6968952	6969020	Gmdrm	hypo	CHG	-0.8083
Gm17	6969181	6969307	Gmdrm	hypo	CHG	-0.05
Gm17	6973370	6973758	Gmdrm	hypo	CHG	-0.6659
Gm17	6984310	6984649	Gmdrm	hypo	CHG	-0.6067
Gm17	6990777	6990872	Gmdrm	hypo	CHG	-0.0694
Gm17	6994998	6995389	Gmdrm	hypo	CHG	-0.5052
Gm17	7022875	7023216	Gmdrm	hypo	CHG	-0.084
Gm17	7023553	7023694	Gmdrm	hypo	CHG	-0.596
Gm17	7041839	7042054	Gmdrm	hypo	CHG	-0.0218
Gm17	7047306	7047386	Gmdrm	hypo	CHG	-0.5384
Gm17	7055772	7055868	Gmdrm	hypo	CHG	-0.6314
Gm17	7055975	7056130	Gmdrm	hypo	CHG	-0.49
Gm17	7088062	7088202	Gmdrm	hypo	CHG	-0.674
Gm17	7113222	7113812	Gmdrm	hypo	CHG	-0.4447
Gm17	7124912	7125187	Gmdrm	hypo	CHG	-0.0581
Gm17	7150079	7150270	Gmdrm	hypo	CHG	-0.031
Gm17	7186849	7186970	Gmdrm	hypo	CHG	-0.586
Gm17	7187901	7188047	Gmdrm	hypo	CHG	-0.0357
Gm17	7192563	7192866	Gmdrm	hypo	CHG	-0.0513
Gm17	7201925	7202029	Gmdrm	hypo	CHG	-0.5875
Gm17	7202997	7203614	Gmdrm	hypo	CHG	-0.0633
Gm17	7206281	7206381	Gmdrm	hypo	CHG	-0.64
Gm17	7213924	7213976	Gmdrm	hypo	CHG	-0.8243
Gm17	7222460	7222544	Gmdrm	hypo	CHG	-0.6086
Gm17	7227415	7227764	Gmdrm	hypo	CHG	-0.6245
Gm17	7227959	7228027	Gmdrm	hypo	CHG	-0.4543
Gm17	7229216	7229480	Gmdrm	hypo	CHG	-0.388
Gm17	7229643	7230197	Gmdrm	hypo	CHG	-0.2595
Gm17	7246106	7246441	Gmdrm	hypo	CHG	-0.0287
Gm17	7246747	7246903	Gmdrm	hypo	CHG	-0.842
Gm17	7247426	7247517	Gmdrm	hypo	CHG	-0.7325
Gm17	7247747	7247974	Gmdrm	hypo	CHG	-0.9217
Gm17	7279720	7279950	Gmdrm	hypo	CHG	-0.2544
Gm17	7286083	7286220	Gmdrm	hypo	CHG	-0.325
Gm17	7296957	7297251	Gmdrm	hypo	CHG	-0.6849
Gm17	7302632	7302901	Gmdrm	hypo	CHG	-0.0418
Gm17	7313222	7313292	Gmdrm	hypo	CHG	-0.795
Gm17	7313393	7314057	Gmdrm	hypo	CHG	-0.1814
Gm17	7314215	7314512	Gmdrm	hypo	CHG	-0.3492
Gm17	7315334	7315889	Gmdrm	hypo	CHG	-0.3304
Gm17	7329568	7329813	Gmdrm	hypo	CHG	-0.3433
Gm17	7331593	7331853	Gmdrm	hypo	CHG	-0.055
Gm17	7333084	7333178	Gmdrm	hypo	CHG	-0.56
Gm17	7333674	7333833	Gmdrm	hypo	CHG	-0.211
Gm17	7369135	7369430	Gmdrm	hypo	CHG	-0.74
Gm17	7370195	7370385	Gmdrm	hypo	CHG	-0.1431

Gm17	7371151	7371359	Gmdrm	hypo	CHG	-0.4773
Gm17	7398754	7399113	Gmdrm	hypo	CHG	-0.03
Gm17	7441940	7442650	Gmdrm	hypo	CHG	-0.4525
Gm17	7450138	7450563	Gmdrm	hypo	CHG	-0.8395
Gm17	7452477	7452607	Gmdrm	hypo	CHG	-0.3117
Gm17	7518296	7518424	Gmdrm	hypo	CHG	-0.85
Gm17	7518530	7518816	Gmdrm	hypo	CHG	-0.6992
Gm17	7524496	7524603	Gmdrm	hypo	CHG	-0.7817
Gm17	7533168	7533308	Gmdrm	hypo	CHG	-0.7656
Gm17	7571194	7571419	Gmdrm	hypo	CHG	-0.1654
Gm17	7587558	7587683	Gmdrm	hypo	CHG	-0.8672
Gm17	7592679	7592862	Gmdrm	hypo	CHG	-0.0562
Gm17	7593188	7593348	Gmdrm	hypo	CHG	-0.623
Gm17	7593534	7593612	Gmdrm	hypo	CHG	-0.9437
Gm17	7593716	7593851	Gmdrm	hypo	CHG	-0.7333
Gm17	7594597	7594743	Gmdrm	hypo	CHG	-0.6725
Gm17	7594968	7595103	Gmdrm	hypo	CHG	-0.6585
Gm17	7595296	7595349	Gmdrm	hypo	CHG	-0.8433
Gm17	7619088	7619516	Gmdrm	hypo	CHG	-0.1016
Gm17	7623018	7623160	Gmdrm	hypo	CHG	-0.9493
Gm17	7631693	7631961	Gmdrm	hypo	CHG	-0.0287
Gm17	7636961	7637104	Gmdrm	hypo	CHG	-0.3277
Gm17	7645220	7645565	Gmdrm	hypo	CHG	-0.1389
Gm17	7657150	7657567	Gmdrm	hypo	CHG	-0.3214
Gm17	7658562	7658611	Gmdrm	hypo	CHG	-0.756
Gm17	7663345	7663471	Gmdrm	hypo	CHG	-0.052
Gm17	7674411	7674486	Gmdrm	hypo	CHG	-0.408
Gm17	7675693	7675801	Gmdrm	hypo	CHG	-0.0517
Gm17	7699216	7699461	Gmdrm	hypo	CHG	-0.7873
Gm17	7699954	7700339	Gmdrm	hypo	CHG	-0.521
Gm17	7700887	7700988	Gmdrm	hypo	CHG	-0.4829
Gm17	7701236	7701368	Gmdrm	hypo	CHG	-0.6527
Gm17	7710867	7711362	Gmdrm	hypo	CHG	-0.3058
Gm17	7738911	7738990	Gmdrm	hypo	CHG	-0.4367
Gm17	7739442	7739743	Gmdrm	hypo	CHG	-0.7814
Gm17	7739961	7740396	Gmdrm	hypo	CHG	-0.1373
Gm17	7747883	7747994	Gmdrm	hypo	CHG	-0.148
Gm17	7748587	7749363	Gmdrm	hypo	CHG	-0.1742
Gm17	7782831	7783060	Gmdrm	hypo	CHG	-0.7006
Gm17	7786965	7787347	Gmdrm	hypo	CHG	-0.0454
Gm17	7790178	7790477	Gmdrm	hypo	CHG	-0.3529
Gm17	7833674	7834012	Gmdrm	hypo	CHG	-0.065
Gm17	7853372	7853612	Gmdrm	hypo	CHG	-0.0487
Gm17	7874865	7874921	Gmdrm	hypo	CHG	-0.232
Gm17	7909267	7909374	Gmdrm	hypo	CHG	-0.5487
Gm17	7948847	7949324	Gmdrm	hypo	CHG	-0.862

Gm17	7949569	7949712 Gmdrm	hypo	CHG	-0.73
Gm17	7960020	7960131 Gmdrm	hypo	CHG	-0.61
Gm17	7962527	7963296 Gmdrm	hypo	CHG	-0.3915
Gm17	7963412	7963458 Gmdrm	hypo	CHG	-0.705
Gm17	7974082	7974139 Gmdrm	hypo	CHG	-0.605
Gm17	7987917	7988272 Gmdrm	hypo	CHG	-0.0544
Gm17	8009721	8010024 Gmdrm	hypo	CHG	-0.0288
Gm17	8015751	8016102 Gmdrm	hypo	CHG	-0.0325
Gm17	8036932	8037071 Gmdrm	hypo	CHG	-0.909
Gm17	8052943	8053053 Gmdrm	hypo	CHG	-0.06
Gm17	8072749	8072781 Gmdrm	hypo	CHG	-0.2
Gm17	8079590	8079728 Gmdrm	hypo	CHG	-0.9408
Gm17	8079908	8080148 Gmdrm	hypo	CHG	-0.04
Gm17	8083340	8083456 Gmdrm	hypo	CHG	-0.0817
Gm17	8084339	8084875 Gmdrm	hypo	CHG	-0.2038
Gm17	8106434	8106684 Gmdrm	hypo	CHG	-0.3908
Gm17	8106863	8107015 Gmdrm	hypo	CHG	-0.5572
Gm17	8114020	8114427 Gmdrm	hypo	CHG	-0.55
Gm17	8130985	8131341 Gmdrm	hypo	CHG	-0.1823
Gm17	8150013	8150171 Gmdrm	hypo	CHG	-0.8767
Gm17	8157326	8157465 Gmdrm	hypo	CHG	-0.8307
Gm17	8157615	8157692 Gmdrm	hypo	CHG	-0.4856
Gm17	8174921	8175252 Gmdrm	hypo	CHG	-0.4613
Gm17	8175375	8175893 Gmdrm	hypo	CHG	-0.6603
Gm17	8178967	8179524 Gmdrm	hypo	CHG	-0.0321
Gm17	8203668	8203792 Gmdrm	hypo	CHG	-0.1593
Gm17	8206085	8206320 Gmdrm	hypo	CHG	-0.886
Gm17	8206515	8206751 Gmdrm	hypo	CHG	-0.8809
Gm17	8238093	8238187 Gmdrm	hypo	CHG	-0.0233
Gm17	8282270	8282374 Gmdrm	hypo	CHG	-0.664
Gm17	8284392	8284844 Gmdrm	hypo	CHG	-0.4473
Gm17	8300197	8300390 Gmdrm	hypo	CHG	-0.4457
Gm17	8321507	8321735 Gmdrm	hypo	CHG	-0.7203
Gm17	8322194	8322588 Gmdrm	hypo	CHG	-0.6569
Gm17	8331566	8331854 Gmdrm	hypo	CHG	-0.0356
Gm17	8337149	8337396 Gmdrm	hypo	CHG	-0.035
Gm17	8339346	8339740 Gmdrm	hypo	CHG	-0.8609
Gm17	8380776	8381165 Gmdrm	hypo	CHG	-0.6875
Gm17	8381306	8381532 Gmdrm	hypo	CHG	-0.124
Gm17	8390816	8390945 Gmdrm	hypo	CHG	-0.2487
Gm17	8416569	8416918 Gmdrm	hypo	CHG	-0.2009
Gm17	8432328	8432420 Gmdrm	hypo	CHG	-0.036
Gm17	8453028	8453157 Gmdrm	hypo	CHG	-0.1017
Gm17	8456204	8456394 Gmdrm	hypo	CHG	-0.799
Gm17	8458895	8459264 Gmdrm	hypo	CHG	-0.8429
Gm17	8479363	8479516 Gmdrm	hypo	CHG	-0.036

Gm17	8487177	8487213	Gmdrm	hypo	CHG	-0.124
Gm17	8490102	8490480	Gmdrm	hypo	CHG	-0.1807
Gm17	8491600	8491721	Gmdrm	hypo	CHG	-0.0926
Gm17	8528697	8528764	Gmdrm	hypo	CHG	-0.3187
Gm17	8532401	8532609	Gmdrm	hypo	CHG	-0.4363
Gm17	8533470	8533777	Gmdrm	hypo	CHG	-0.4946
Gm17	8534174	8534314	Gmdrm	hypo	CHG	-0.7111
Gm17	8534684	8534903	Gmdrm	hypo	CHG	-0.08
Gm17	8535015	8535350	Gmdrm	hypo	CHG	-0.1953
Gm17	8535611	8535847	Gmdrm	hypo	CHG	-0.09
Gm17	8537597	8537736	Gmdrm	hypo	CHG	-0.8031
Gm17	8556911	8557144	Gmdrm	hypo	CHG	-0.0257
Gm17	8582408	8582508	Gmdrm	hypo	CHG	-0.32
Gm17	8582621	8582883	Gmdrm	hypo	CHG	-0.1135
Gm17	8583033	8583109	Gmdrm	hypo	CHG	-0.1267
Gm17	8616578	8616716	Gmdrm	hypo	CHG	-0.5024
Gm17	8616870	8616971	Gmdrm	hypo	CHG	-0.8233
Gm17	8617557	8617567	Gmdrm	hypo	CHG	-0.2083
Gm17	8618177	8618367	Gmdrm	hypo	CHG	-0.565
Gm17	8624289	8624450	Gmdrm	hypo	CHG	-0.6394
Gm17	8646849	8646947	Gmdrm	hypo	CHG	-0.8478
Gm17	8658916	8659301	Gmdrm	hypo	CHG	-0.0266
Gm17	8678461	8678628	Gmdrm	hypo	CHG	-0.235
Gm17	8695154	8695182	Gmdrm	hypo	CHG	-0.1366
Gm17	8705070	8705264	Gmdrm	hypo	CHG	-0.6189
Gm17	8711847	8711900	Gmdrm	hypo	CHG	-0.1163
Gm17	8712019	8712101	Gmdrm	hypo	CHG	-0.1755
Gm17	8759782	8759996	Gmdrm	hypo	CHG	-0.3486
Gm17	8784828	8784894	Gmdrm	hypo	CHG	-0.035
Gm17	8785406	8785522	Gmdrm	hypo	CHG	-0.39
Gm17	8788606	8789025	Gmdrm	hypo	CHG	-0.71
Gm17	8810972	8811067	Gmdrm	hypo	CHG	-0.37
Gm17	8815613	8815680	Gmdrm	hypo	CHG	-0.8025
Gm17	8815899	8816061	Gmdrm	hypo	CHG	-0.8082
Gm17	8816173	8816471	Gmdrm	hypo	CHG	-0.0358
Gm17	8819929	8820135	Gmdrm	hypo	CHG	-0.036
Gm17	8825529	8825666	Gmdrm	hypo	CHG	-0.8507
Gm17	8849025	8849110	Gmdrm	hypo	CHG	-0.725
Gm17	8849496	8849663	Gmdrm	hypo	CHG	-0.726
Gm17	8850755	8851000	Gmdrm	hypo	CHG	-0.0425
Gm17	8860966	8861104	Gmdrm	hypo	CHG	-0.05
Gm17	8866997	8867246	Gmdrm	hypo	CHG	-0.0228
Gm17	8877632	8877826	Gmdrm	hypo	CHG	-0.0485
Gm17	8931573	8931726	Gmdrm	hypo	CHG	-0.8146
Gm17	8934125	8934465	Gmdrm	hypo	CHG	-0.5515
Gm17	8935402	8935824	Gmdrm	hypo	CHG	-0.5395

Gm17	8937578	8937916 Gmdrm	hypo	CHG	-0.5569
Gm17	8938068	8938154 Gmdrm	hypo	CHG	-0.71
Gm17	8938535	8938566 Gmdrm	hypo	CHG	-0.826
Gm17	8938695	8938841 Gmdrm	hypo	CHG	-0.8758
Gm17	8949964	8950075 Gmdrm	hypo	CHG	-0.738
Gm17	8950189	8950430 Gmdrm	hypo	CHG	-0.2151
Gm17	8955664	8955926 Gmdrm	hypo	CHG	-0.4706
Gm17	8958143	8958393 Gmdrm	hypo	CHG	-0.659
Gm17	9000196	9000451 Gmdrm	hypo	CHG	-0.04
Gm17	9020228	9020356 Gmdrm	hypo	CHG	-0.4515
Gm17	9038083	9038485 Gmdrm	hypo	CHG	-0.7877
Gm17	9067336	9067653 Gmdrm	hypo	CHG	-0.6629
Gm17	9069077	9069193 Gmdrm	hypo	CHG	-0.4978
Gm17	9078634	9078727 Gmdrm	hypo	CHG	-0.3875
Gm17	9091812	9091912 Gmdrm	hypo	CHG	-0.875
Gm17	9092028	9092106 Gmdrm	hypo	CHG	-0.9112
Gm17	9092403	9092509 Gmdrm	hypo	CHG	-0.81
Gm17	9097075	9097222 Gmdrm	hypo	CHG	-0.09
Gm17	9104298	9104381 Gmdrm	hypo	CHG	-0.5217
Gm17	9105746	9105864 Gmdrm	hypo	CHG	-0.4
Gm17	9106603	9106753 Gmdrm	hypo	CHG	-0.2737
Gm17	9128404	9128677 Gmdrm	hypo	CHG	-0.054
Gm17	9131116	9131205 Gmdrm	hypo	CHG	-0.51
Gm17	9132793	9133079 Gmdrm	hypo	CHG	-0.045
Gm17	9155373	9155732 Gmdrm	hypo	CHG	-0.5192
Gm17	9167314	9167385 Gmdrm	hypo	CHG	-0.872
Gm17	9167505	9167781 Gmdrm	hypo	CHG	-0.93
Gm17	9179201	9179299 Gmdrm	hypo	CHG	-0.068
Gm17	9193579	9193771 Gmdrm	hypo	CHG	-0.4
Gm17	9208370	9208978 Gmdrm	hypo	CHG	-0.1605
Gm17	9226827	9227293 Gmdrm	hypo	CHG	-0.3139
Gm17	9227594	9227873 Gmdrm	hypo	CHG	-0.7554
Gm17	9259800	9259926 Gmdrm	hypo	CHG	-0.045
Gm17	9285662	9285714 Gmdrm	hypo	CHG	-0.625
Gm17	9288813	9289032 Gmdrm	hypo	CHG	-0.0317
Gm17	9313819	9313868 Gmdrm	hypo	CHG	-0.4867
Gm17	9324165	9324215 Gmdrm	hypo	CHG	-0.102
Gm17	9363790	9363855 Gmdrm	hypo	CHG	-0.0833
Gm17	9365282	9365455 Gmdrm	hypo	CHG	-0.045
Gm17	9368729	9368978 Gmdrm	hypo	CHG	-0.593
Gm17	9372939	9373371 Gmdrm	hypo	CHG	-0.62
Gm17	9375288	9375678 Gmdrm	hypo	CHG	-0.8358
Gm17	9405078	9405136 Gmdrm	hypo	CHG	-0.738
Gm17	9409806	9410079 Gmdrm	hypo	CHG	-0.2772
Gm17	9417081	9417270 Gmdrm	hypo	CHG	-0.06
Gm17	9438318	9438357 Gmdrm	hypo	CHG	-0.122

Gm17	9438617	9438749	Gmdrm	hypo	CHG	-0.7425
Gm17	9439461	9439537	Gmdrm	hypo	CHG	-0.3783
Gm17	9439948	9440057	Gmdrm	hypo	CHG	-0.36
Gm17	9463559	9464135	Gmdrm	hypo	CHG	-0.3085
Gm17	9465913	9466051	Gmdrm	hypo	CHG	-0.0643
Gm17	9468297	9468645	Gmdrm	hypo	CHG	-0.7985
Gm17	9474944	9475268	Gmdrm	hypo	CHG	-0.8242
Gm17	9492319	9492465	Gmdrm	hypo	CHG	-0.06
Gm17	9495517	9495996	Gmdrm	hypo	CHG	-0.3479
Gm17	9499045	9499091	Gmdrm	hypo	CHG	-0.115
Gm17	9500061	9501019	Gmdrm	hypo	CHG	-0.0287
Gm17	9512909	9512976	Gmdrm	hypo	CHG	-0.034
Gm17	9517662	9517792	Gmdrm	hypo	CHG	-0.025
Gm17	9530078	9530533	Gmdrm	hypo	CHG	-0.5676
Gm17	9532891	9532921	Gmdrm	hypo	CHG	-0.472
Gm17	9534295	9534399	Gmdrm	hypo	CHG	-0.4443
Gm17	9537255	9537367	Gmdrm	hypo	CHG	-0.222
Gm17	9537722	9538082	Gmdrm	hypo	CHG	-0.7691
Gm17	9539006	9539228	Gmdrm	hypo	CHG	-0.7157
Gm17	9547509	9548207	Gmdrm	hypo	CHG	-0.3214
Gm17	9549305	9549979	Gmdrm	hypo	CHG	-0.5212
Gm17	9552680	9552873	Gmdrm	hypo	CHG	-0.09
Gm17	9561297	9561853	Gmdrm	hypo	CHG	-0.5562
Gm17	9562404	9562823	Gmdrm	hypo	CHG	-0.4737
Gm17	9568599	9568947	Gmdrm	hypo	CHG	-0.5195
Gm17	9587153	9587644	Gmdrm	hypo	CHG	-0.1314
Gm17	9599572	9599694	Gmdrm	hypo	CHG	-0.435
Gm17	9599806	9599941	Gmdrm	hypo	CHG	-0.74
Gm17	9603280	9603547	Gmdrm	hypo	CHG	-0.0457
Gm17	9612494	9612543	Gmdrm	hypo	CHG	-0.846
Gm17	9622986	9623207	Gmdrm	hypo	CHG	-0.3325
Gm17	9627024	9627413	Gmdrm	hypo	CHG	-0.033
Gm17	9639501	9639722	Gmdrm	hypo	CHG	-0.05
Gm17	9644440	9644542	Gmdrm	hypo	CHG	-0.048
Gm17	9644925	9645161	Gmdrm	hypo	CHG	-0.2263
Gm17	9697586	9697623	Gmdrm	hypo	CHG	-0.05
Gm17	9729575	9729933	Gmdrm	hypo	CHG	-0.073
Gm17	9731179	9731460	Gmdrm	hypo	CHG	-0.0593
Gm17	9749748	9749964	Gmdrm	hypo	CHG	-0.5117
Gm17	9778406	9778913	Gmdrm	hypo	CHG	-0.7762
Gm17	9779031	9779153	Gmdrm	hypo	CHG	-0.82
Gm17	9782398	9782521	Gmdrm	hypo	CHG	-0.1325
Gm17	9784470	9784502	Gmdrm	hypo	CHG	-0.7417
Gm17	9784655	9784760	Gmdrm	hypo	CHG	-0.29
Gm17	9785167	9785532	Gmdrm	hypo	CHG	-0.2061
Gm17	9785731	9785919	Gmdrm	hypo	CHG	-0.6625

Gm17	9823826	9823933	Gmdrm	hypo	CHG	-0.3887
Gm17	9824048	9824146	Gmdrm	hypo	CHG	-0.247
Gm17	9845847	9845967	Gmdrm	hypo	CHG	-0.7856
Gm17	9846192	9846268	Gmdrm	hypo	CHG	-0.6278
Gm17	9846505	9846563	Gmdrm	hypo	CHG	-0.6887
Gm17	9855677	9855939	Gmdrm	hypo	CHG	-0.0337
Gm17	9861688	9861743	Gmdrm	hypo	CHG	-0.7114
Gm17	9881882	9882063	Gmdrm	hypo	CHG	-0.025
Gm17	9922425	9922650	Gmdrm	hypo	CHG	-0.035
Gm17	9936127	9936419	Gmdrm	hypo	CHG	-0.6056
Gm17	9937072	9937147	Gmdrm	hypo	CHG	-0.058
Gm17	9958395	9958643	Gmdrm	hypo	CHG	-0.1936
Gm17	9963703	9963830	Gmdrm	hypo	CHG	-0.5616
Gm17	9970527	9970734	Gmdrm	hypo	CHG	-0.0567
Gm17	9972085	9972478	Gmdrm	hypo	CHG	-0.2406
Gm17	9974090	9974225	Gmdrm	hypo	CHG	-0.8243
Gm17	9975230	9975294	Gmdrm	hypo	CHG	-0.106
Gm17	9979872	9979976	Gmdrm	hypo	CHG	-0.7062
Gm17	9982572	9982908	Gmdrm	hypo	CHG	-0.147
Gm17	9996413	9996689	Gmdrm	hypo	CHG	-0.321
Gm17	10000016	10000343	Gmdrm	hypo	CHG	-0.036
Gm17	10013286	10013470	Gmdrm	hypo	CHG	-0.0366
Gm17	10017505	10017799	Gmdrm	hypo	CHG	-0.6728
Gm17	10017901	10018027	Gmdrm	hypo	CHG	-0.64
Gm17	10037330	10037500	Gmdrm	hypo	CHG	-0.5822
Gm17	10075722	10075991	Gmdrm	hypo	CHG	-0.8125
Gm17	10076162	10076325	Gmdrm	hypo	CHG	-0.6284
Gm17	10076452	10076658	Gmdrm	hypo	CHG	-0.4566
Gm17	10077287	10077606	Gmdrm	hypo	CHG	-0.1879
Gm17	10077728	10077917	Gmdrm	hypo	CHG	-0.32
Gm17	10080269	10080760	Gmdrm	hypo	CHG	-0.9545
Gm17	10086214	10086486	Gmdrm	hypo	CHG	-0.3794
Gm17	10100772	10100904	Gmdrm	hypo	CHG	-0.04
Gm17	10131436	10131499	Gmdrm	hypo	CHG	-0.7666
Gm17	10131739	10131925	Gmdrm	hypo	CHG	-0.4809
Gm17	10146473	10147092	Gmdrm	hypo	CHG	-0.25
Gm17	10150029	10150187	Gmdrm	hypo	CHG	-0.8271
Gm17	10151726	10152224	Gmdrm	hypo	CHG	-0.0308
Gm17	10160788	10160873	Gmdrm	hypo	CHG	-0.06
Gm17	10180242	10180317	Gmdrm	hypo	CHG	-0.37
Gm17	10189676	10190071	Gmdrm	hypo	CHG	-0.52
Gm17	10190313	10190364	Gmdrm	hypo	CHG	-0.8172
Gm17	10190487	10190643	Gmdrm	hypo	CHG	-0.8513
Gm17	10190760	10190912	Gmdrm	hypo	CHG	-0.5333
Gm17	10203739	10204155	Gmdrm	hypo	CHG	-0.0519
Gm17	10208951	10209195	Gmdrm	hypo	CHG	-0.0655

Gm17	10211443	10211636	Gmdrm	hypo	CHG	-0.4465
Gm17	10235146	10235286	Gmdrm	hypo	CHG	-0.62
Gm17	10236402	10236695	Gmdrm	hypo	CHG	-0.0441
Gm17	10254120	10254304	Gmdrm	hypo	CHG	-0.4885
Gm17	10270280	10270574	Gmdrm	hypo	CHG	-0.035
Gm17	10272452	10272579	Gmdrm	hypo	CHG	-0.0433
Gm17	10280581	10280697	Gmdrm	hypo	CHG	-0.73
Gm17	10281015	10281406	Gmdrm	hypo	CHG	-0.7947
Gm17	10297441	10297683	Gmdrm	hypo	CHG	-0.034
Gm17	10308856	10309316	Gmdrm	hypo	CHG	-0.0618
Gm17	10330810	10330920	Gmdrm	hypo	CHG	-0.74
Gm17	10334179	10334359	Gmdrm	hypo	CHG	-0.8329
Gm17	10334496	10334576	Gmdrm	hypo	CHG	-0.7116
Gm17	10335713	10335942	Gmdrm	hypo	CHG	-0.0371
Gm17	10336272	10336648	Gmdrm	hypo	CHG	-0.0578
Gm17	10351445	10351709	Gmdrm	hypo	CHG	-0.0467
Gm17	10354352	10354580	Gmdrm	hypo	CHG	-0.0688
Gm17	10356653	10356695	Gmdrm	hypo	CHG	-0.874
Gm17	10368984	10369061	Gmdrm	hypo	CHG	-0.4217
Gm17	10369284	10369337	Gmdrm	hypo	CHG	-0.7
Gm17	10374230	10374709	Gmdrm	hypo	CHG	-0.6259
Gm17	10387855	10388023	Gmdrm	hypo	CHG	-0.4218
Gm17	10390005	10390093	Gmdrm	hypo	CHG	-0.402
Gm17	10393080	10393518	Gmdrm	hypo	CHG	-0.7273
Gm17	10393627	10393947	Gmdrm	hypo	CHG	-0.4532
Gm17	10400823	10401121	Gmdrm	hypo	CHG	-0.533
Gm17	10401819	10401886	Gmdrm	hypo	CHG	-0.2333
Gm17	10410858	10411038	Gmdrm	hypo	CHG	-0.064
Gm17	10414715	10414872	Gmdrm	hypo	CHG	-0.7526
Gm17	10415728	10415904	Gmdrm	hypo	CHG	-0.41
Gm17	10416008	10416196	Gmdrm	hypo	CHG	-0.2975
Gm17	10422873	10422967	Gmdrm	hypo	CHG	-0.09
Gm17	10424787	10424895	Gmdrm	hypo	CHG	-0.5573
Gm17	10426535	10426807	Gmdrm	hypo	CHG	-0.056
Gm17	10471996	10472185	Gmdrm	hypo	CHG	-0.0943
Gm17	10476710	10477048	Gmdrm	hypo	CHG	-0.6331
Gm17	10481150	10481270	Gmdrm	hypo	CHG	-0.1071
Gm17	10508330	10508482	Gmdrm	hypo	CHG	-0.485
Gm17	10509310	10509402	Gmdrm	hypo	CHG	-0.08
Gm17	10517078	10517569	Gmdrm	hypo	CHG	-0.7492
Gm17	10526335	10526439	Gmdrm	hypo	CHG	-0.06
Gm17	10529541	10529596	Gmdrm	hypo	CHG	-0.824
Gm17	10535643	10535696	Gmdrm	hypo	CHG	-0.7762
Gm17	10546420	10546913	Gmdrm	hypo	CHG	-0.8348
Gm17	10547083	10547217	Gmdrm	hypo	CHG	-0.86
Gm17	10547923	10548124	Gmdrm	hypo	CHG	-0.8436

Gm17	10559000	10559117	Gmdrm	hypo	CHG	-0.6037
Gm17	10567127	10567213	Gmdrm	hypo	CHG	-0.7533
Gm17	10574640	10574759	Gmdrm	hypo	CHG	-0.9044
Gm17	10574930	10574987	Gmdrm	hypo	CHG	-0.94
Gm17	10575111	10575341	Gmdrm	hypo	CHG	-0.4333
Gm17	10580592	10580620	Gmdrm	hypo	CHG	-0.38
Gm17	10608411	10608597	Gmdrm	hypo	CHG	-0.76
Gm17	10608704	10608878	Gmdrm	hypo	CHG	-0.55
Gm17	10626917	10626982	Gmdrm	hypo	CHG	-0.949
Gm17	10627096	10627178	Gmdrm	hypo	CHG	-0.9288
Gm17	10627701	10627891	Gmdrm	hypo	CHG	-0.68
Gm17	10630814	10630989	Gmdrm	hypo	CHG	-0.0833
Gm17	10631449	10631544	Gmdrm	hypo	CHG	-0.8189
Gm17	10632742	10632783	Gmdrm	hypo	CHG	-0.4117
Gm17	10656765	10657081	Gmdrm	hypo	CHG	-0.034
Gm17	10658343	10658562	Gmdrm	hypo	CHG	-0.801
Gm17	10659114	10659176	Gmdrm	hypo	CHG	-0.78
Gm17	10694916	10694972	Gmdrm	hypo	CHG	-0.48
Gm17	10709359	10709566	Gmdrm	hypo	CHG	-0.56
Gm17	10709929	10709976	Gmdrm	hypo	CHG	-0.6183
Gm17	10718064	10718198	Gmdrm	hypo	CHG	-0.0386
Gm17	10726671	10726832	Gmdrm	hypo	CHG	-0.6717
Gm17	10726988	10727014	Gmdrm	hypo	CHG	-0.7134
Gm17	10727127	10727310	Gmdrm	hypo	CHG	-0.556
Gm17	10727498	10727924	Gmdrm	hypo	CHG	-0.1474
Gm17	10749478	10749659	Gmdrm	hypo	CHG	-0.7531
Gm17	10750875	10751025	Gmdrm	hypo	CHG	-0.8169
Gm17	10770068	10770361	Gmdrm	hypo	CHG	-0.2013
Gm17	10778482	10778644	Gmdrm	hypo	CHG	-0.7254
Gm17	10791016	10791270	Gmdrm	hypo	CHG	-0.7653
Gm17	10792248	10792461	Gmdrm	hypo	CHG	-0.4567
Gm17	10792574	10792677	Gmdrm	hypo	CHG	-0.5262
Gm17	10801382	10801689	Gmdrm	hypo	CHG	-0.7725
Gm17	10801973	10802719	Gmdrm	hypo	CHG	-0.5711
Gm17	10802837	10803026	Gmdrm	hypo	CHG	-0.6658
Gm17	10803170	10803583	Gmdrm	hypo	CHG	-0.6214
Gm17	10803704	10804033	Gmdrm	hypo	CHG	-0.635
Gm17	10804137	10804366	Gmdrm	hypo	CHG	-0.6481
Gm17	10804608	10805478	Gmdrm	hypo	CHG	-0.6624
Gm17	10805683	10805952	Gmdrm	hypo	CHG	-0.623
Gm17	10812548	10812601	Gmdrm	hypo	CHG	-0.798
Gm17	10813336	10813490	Gmdrm	hypo	CHG	-0.7069
Gm17	10820319	10820422	Gmdrm	hypo	CHG	-0.4783
Gm17	10823250	10823386	Gmdrm	hypo	CHG	-0.73
Gm17	10832901	10833311	Gmdrm	hypo	CHG	-0.4705
Gm17	10834041	10834389	Gmdrm	hypo	CHG	-0.5703

Gm17	10835196	10835353	Gmdrm	hypo	CHG	-0.1467
Gm17	10836898	10837191	Gmdrm	hypo	CHG	-0.3494
Gm17	10841245	10841366	Gmdrm	hypo	CHG	-0.5186
Gm17	10856236	10856279	Gmdrm	hypo	CHG	-0.245
Gm17	10863007	10863190	Gmdrm	hypo	CHG	-0.105
Gm17	10866462	10866765	Gmdrm	hypo	CHG	-0.6381
Gm17	10911729	10911895	Gmdrm	hypo	CHG	-0.054
Gm17	10942232	10942846	Gmdrm	hypo	CHG	-0.4248
Gm17	10949079	10949336	Gmdrm	hypo	CHG	-0.0357
Gm17	10962880	10963039	Gmdrm	hypo	CHG	-0.476
Gm17	10966519	10967165	Gmdrm	hypo	CHG	-0.1371
Gm17	10972171	10972325	Gmdrm	hypo	CHG	-0.5337
Gm17	10973816	10973874	Gmdrm	hypo	CHG	-0.72
Gm17	10974632	10974747	Gmdrm	hypo	CHG	-0.4827
Gm17	10990098	10990311	Gmdrm	hypo	CHG	-0.3438
Gm17	10991447	10991617	Gmdrm	hypo	CHG	-0.023
Gm17	11003134	11003329	Gmdrm	hypo	CHG	-0.0375
Gm17	11004186	11004380	Gmdrm	hypo	CHG	-0.2973
Gm17	11004494	11004665	Gmdrm	hypo	CHG	-0.8618
Gm17	11004876	11004957	Gmdrm	hypo	CHG	-0.8924
Gm17	11033462	11033645	Gmdrm	hypo	CHG	-0.5418
Gm17	11033907	11034266	Gmdrm	hypo	CHG	-0.5378
Gm17	11038773	11039073	Gmdrm	hypo	CHG	-0.9055
Gm17	11039179	11039401	Gmdrm	hypo	CHG	-0.44
Gm17	11052725	11052762	Gmdrm	hypo	CHG	-0.045
Gm17	11069532	11069637	Gmdrm	hypo	CHG	-0.5467
Gm17	11075931	11076087	Gmdrm	hypo	CHG	-0.032
Gm17	11080978	11081256	Gmdrm	hypo	CHG	-0.7942
Gm17	11081923	11082054	Gmdrm	hypo	CHG	-0.844
Gm17	11085206	11085286	Gmdrm	hypo	CHG	-0.254
Gm17	11088106	11088246	Gmdrm	hypo	CHG	-0.6234
Gm17	11098643	11098887	Gmdrm	hypo	CHG	-0.0483
Gm17	11105931	11106118	Gmdrm	hypo	CHG	-0.0543
Gm17	11122128	11122208	Gmdrm	hypo	CHG	-0.8413
Gm17	11125765	11125839	Gmdrm	hypo	CHG	-0.05
Gm17	11140162	11140227	Gmdrm	hypo	CHG	-0.6243
Gm17	11141943	11142060	Gmdrm	hypo	CHG	-0.4711
Gm17	11142290	11142498	Gmdrm	hypo	CHG	-0.464
Gm17	11142882	11143081	Gmdrm	hypo	CHG	-0.3967
Gm17	11162721	11162771	Gmdrm	hypo	CHG	-0.2233
Gm17	11170807	11171008	Gmdrm	hypo	CHG	-0.04
Gm17	11172093	11172168	Gmdrm	hypo	CHG	-0.868
Gm17	11172794	11172889	Gmdrm	hypo	CHG	-0.822
Gm17	11211714	11212198	Gmdrm	hypo	CHG	-0.5578
Gm17	11218837	11218880	Gmdrm	hypo	CHG	-0.0978
Gm17	11227376	11227697	Gmdrm	hypo	CHG	-0.035

Gm17	11243281	11243373	Gmdrm	hypo	CHG	-0.3071
Gm17	11253662	11254158	Gmdrm	hypo	CHG	-0.54
Gm17	11271030	11271387	Gmdrm	hypo	CHG	-0.2978
Gm17	11283401	11283541	Gmdrm	hypo	CHG	-0.666
Gm17	11324980	11325093	Gmdrm	hypo	CHG	-0.1714
Gm17	11326033	11326292	Gmdrm	hypo	CHG	-0.88
Gm17	11326621	11326778	Gmdrm	hypo	CHG	-0.8801
Gm17	11327172	11327408	Gmdrm	hypo	CHG	-0.4812
Gm17	11339400	11339494	Gmdrm	hypo	CHG	-0.4233
Gm17	11339999	11340190	Gmdrm	hypo	CHG	-0.3685
Gm17	11358120	11358189	Gmdrm	hypo	CHG	-0.8243
Gm17	11389332	11389473	Gmdrm	hypo	CHG	-0.6871
Gm17	11415329	11415666	Gmdrm	hypo	CHG	-0.7184
Gm17	11416346	11416431	Gmdrm	hypo	CHG	-0.804
Gm17	11438244	11438576	Gmdrm	hypo	CHG	-0.3192
Gm17	11440958	11441074	Gmdrm	hypo	CHG	-0.89
Gm17	11441175	11441238	Gmdrm	hypo	CHG	-0.926
Gm17	11441348	11441552	Gmdrm	hypo	CHG	-0.9094
Gm17	11448375	11448629	Gmdrm	hypo	CHG	-0.7785
Gm17	11463321	11463571	Gmdrm	hypo	CHG	-0.6722
Gm17	11465810	11466011	Gmdrm	hypo	CHG	-0.5421
Gm17	11466602	11466777	Gmdrm	hypo	CHG	-0.77
Gm17	11472989	11473110	Gmdrm	hypo	CHG	-0.0467
Gm17	11482982	11483109	Gmdrm	hypo	CHG	-0.854
Gm17	11485713	11485841	Gmdrm	hypo	CHG	-0.3625
Gm17	11486220	11486263	Gmdrm	hypo	CHG	-0.062
Gm17	11492844	11492862	Gmdrm	hypo	CHG	-0.0567
Gm17	11500153	11500299	Gmdrm	hypo	CHG	-0.205
Gm17	11516094	11516165	Gmdrm	hypo	CHG	-0.2129
Gm17	11516274	11516440	Gmdrm	hypo	CHG	-0.4571
Gm17	11517804	11517866	Gmdrm	hypo	CHG	-0.6067
Gm17	11521158	11521250	Gmdrm	hypo	CHG	-0.624
Gm17	11526462	11526691	Gmdrm	hypo	CHG	-0.199
Gm17	11536370	11537067	Gmdrm	hypo	CHG	-0.4476
Gm17	11538298	11538493	Gmdrm	hypo	CHG	-0.03
Gm17	11552131	11552178	Gmdrm	hypo	CHG	-0.036
Gm17	11554292	11554579	Gmdrm	hypo	CHG	-0.0445
Gm17	11560356	11560810	Gmdrm	hypo	CHG	-0.5908
Gm17	11561266	11561381	Gmdrm	hypo	CHG	-0.4389
Gm17	11561939	11562372	Gmdrm	hypo	CHG	-0.6784
Gm17	11576984	11577222	Gmdrm	hypo	CHG	-0.2274
Gm17	11577348	11577735	Gmdrm	hypo	CHG	-0.2146
Gm17	11579087	11579957	Gmdrm	hypo	CHG	-0.1245
Gm17	11588404	11588671	Gmdrm	hypo	CHG	-0.043
Gm17	11591458	11591690	Gmdrm	hypo	CHG	-0.0429
Gm17	11594340	11594424	Gmdrm	hypo	CHG	-0.062

Gm17	11603809	11604096	Gmdrm	hypo	CHG	-0.4287
Gm17	11607887	11608237	Gmdrm	hypo	CHG	-0.6219
Gm17	11610516	11610734	Gmdrm	hypo	CHG	-0.6878
Gm17	11640390	11640411	Gmdrm	hypo	CHG	-0.082
Gm17	11681846	11681949	Gmdrm	hypo	CHG	-0.2766
Gm17	11684471	11684562	Gmdrm	hypo	CHG	-0.556
Gm17	11691714	11691818	Gmdrm	hypo	CHG	-0.155
Gm17	11707933	11708154	Gmdrm	hypo	CHG	-0.5045
Gm17	11708548	11708992	Gmdrm	hypo	CHG	-0.4111
Gm17	11726374	11726657	Gmdrm	hypo	CHG	-0.6371
Gm17	11726774	11726918	Gmdrm	hypo	CHG	-0.079
Gm17	11739851	11740041	Gmdrm	hypo	CHG	-0.7658
Gm17	11751967	11752208	Gmdrm	hypo	CHG	-0.588
Gm17	11752316	11752552	Gmdrm	hypo	CHG	-0.4038
Gm17	11752950	11753211	Gmdrm	hypo	CHG	-0.4589
Gm17	11777395	11777716	Gmdrm	hypo	CHG	-0.4809
Gm17	11779652	11779694	Gmdrm	hypo	CHG	-0.25
Gm17	11781269	11781316	Gmdrm	hypo	CHG	-0.0533
Gm17	11781658	11781692	Gmdrm	hypo	CHG	-0.7471
Gm17	11796073	11796414	Gmdrm	hypo	CHG	-0.3933
Gm17	11796740	11797077	Gmdrm	hypo	CHG	-0.2431
Gm17	11801688	11801802	Gmdrm	hypo	CHG	-0.467
Gm17	11819341	11819560	Gmdrm	hypo	CHG	-0.325
Gm17	11819935	11820126	Gmdrm	hypo	CHG	-0.4615
Gm17	11848394	11848791	Gmdrm	hypo	CHG	-0.21
Gm17	11849279	11849432	Gmdrm	hypo	CHG	-0.215
Gm17	11849598	11849739	Gmdrm	hypo	CHG	-0.2907
Gm17	11850801	11851147	Gmdrm	hypo	CHG	-0.6315
Gm17	11853957	11854356	Gmdrm	hypo	CHG	-0.7488
Gm17	11855067	11855330	Gmdrm	hypo	CHG	-0.6992
Gm17	11857229	11857716	Gmdrm	hypo	CHG	-0.4725
Gm17	11857827	11857847	Gmdrm	hypo	CHG	-0.6717
Gm17	11858020	11858160	Gmdrm	hypo	CHG	-0.3514
Gm17	11858518	11858593	Gmdrm	hypo	CHG	-0.5967
Gm17	11859223	11859247	Gmdrm	hypo	CHG	-0.79
Gm17	11866520	11866600	Gmdrm	hypo	CHG	-0.0367
Gm17	11868454	11868578	Gmdrm	hypo	CHG	-0.748
Gm17	11869724	11869910	Gmdrm	hypo	CHG	-0.4762
Gm17	11879400	11879521	Gmdrm	hypo	CHG	-0.258
Gm17	11881860	11882057	Gmdrm	hypo	CHG	-0.89
Gm17	11902409	11902589	Gmdrm	hypo	CHG	-0.0344
Gm17	11912300	11912611	Gmdrm	hypo	CHG	-0.6536
Gm17	11925133	11925204	Gmdrm	hypo	CHG	-0.066
Gm17	11927817	11927904	Gmdrm	hypo	CHG	-0.5983
Gm17	11932173	11932258	Gmdrm	hypo	CHG	-0.044
Gm17	11933764	11933905	Gmdrm	hypo	CHG	-0.572

Gm17	11934144	11934254	Gmdrm	hypo	CHG	-0.79
Gm17	11975439	11975718	Gmdrm	hypo	CHG	-0.6284
Gm17	11978773	11978932	Gmdrm	hypo	CHG	-0.6933
Gm17	11996786	11997175	Gmdrm	hypo	CHG	-0.2783
Gm17	12000510	12000773	Gmdrm	hypo	CHG	-0.0333
Gm17	12018293	12018816	Gmdrm	hypo	CHG	-0.5904
Gm17	12019558	12020086	Gmdrm	hypo	CHG	-0.5064
Gm17	12029905	12030065	Gmdrm	hypo	CHG	-0.6014
Gm17	12030248	12030435	Gmdrm	hypo	CHG	-0.602
Gm17	12066462	12066623	Gmdrm	hypo	CHG	-0.4656
Gm17	12066840	12066917	Gmdrm	hypo	CHG	-0.6567
Gm17	12083779	12083881	Gmdrm	hypo	CHG	-0.54
Gm17	12084010	12084188	Gmdrm	hypo	CHG	-0.6742
Gm17	12084886	12085027	Gmdrm	hypo	CHG	-0.1913
Gm17	12097424	12097592	Gmdrm	hypo	CHG	-0.6417
Gm17	12097701	12098289	Gmdrm	hypo	CHG	-0.4942
Gm17	12145835	12146247	Gmdrm	hypo	CHG	-0.235
Gm17	12146431	12146546	Gmdrm	hypo	CHG	-0.2662
Gm17	12146648	12146865	Gmdrm	hypo	CHG	-0.4771
Gm17	12147053	12147345	Gmdrm	hypo	CHG	-0.054
Gm17	12150487	12150576	Gmdrm	hypo	CHG	-0.1434
Gm17	12154950	12155098	Gmdrm	hypo	CHG	-0.2675
Gm17	12169941	12170119	Gmdrm	hypo	CHG	-0.5826
Gm17	12190817	12191816	Gmdrm	hypo	CHG	-0.2422
Gm17	12191917	12192372	Gmdrm	hypo	CHG	-0.1785
Gm17	12203002	12203792	Gmdrm	hypo	CHG	-0.2222
Gm17	12215574	12216521	Gmdrm	hypo	CHG	-0.0364
Gm17	12228793	12228904	Gmdrm	hypo	CHG	-0.7167
Gm17	12229282	12229416	Gmdrm	hypo	CHG	-0.56
Gm17	12236956	12237201	Gmdrm	hypo	CHG	-0.6973
Gm17	12238394	12238533	Gmdrm	hypo	CHG	-0.4182
Gm17	12248823	12248987	Gmdrm	hypo	CHG	-0.7957
Gm17	12249336	12249509	Gmdrm	hypo	CHG	-0.6563
Gm17	12252929	12253025	Gmdrm	hypo	CHG	-0.826
Gm17	12253335	12253435	Gmdrm	hypo	CHG	-0.6722
Gm17	12253559	12254048	Gmdrm	hypo	CHG	-0.39
Gm17	12254444	12254503	Gmdrm	hypo	CHG	-0.285
Gm17	12255391	12256119	Gmdrm	hypo	CHG	-0.3693
Gm17	12257532	12257655	Gmdrm	hypo	CHG	-0.4755
Gm17	12258193	12258319	Gmdrm	hypo	CHG	-0.779
Gm17	12274506	12275006	Gmdrm	hypo	CHG	-0.7057
Gm17	12290426	12290713	Gmdrm	hypo	CHG	-0.8458
Gm17	12323035	12323181	Gmdrm	hypo	CHG	-0.635
Gm17	12323321	12323771	Gmdrm	hypo	CHG	-0.3374
Gm17	12334266	12334527	Gmdrm	hypo	CHG	-0.2064
Gm17	12335608	12335712	Gmdrm	hypo	CHG	-0.4599

Gm17	12344500	12344923	Gmdrm	hypo	CHG	-0.2747
Gm17	12345145	12345479	Gmdrm	hypo	CHG	-0.8221
Gm17	12346364	12346564	Gmdrm	hypo	CHG	-0.504
Gm17	12357530	12357626	Gmdrm	hypo	CHG	-0.8623
Gm17	12357783	12357877	Gmdrm	hypo	CHG	-0.758
Gm17	12364117	12364255	Gmdrm	hypo	CHG	-0.038
Gm17	12367171	12367342	Gmdrm	hypo	CHG	-0.8614
Gm17	12370134	12370390	Gmdrm	hypo	CHG	-0.618
Gm17	12387503	12388011	Gmdrm	hypo	CHG	-0.3037
Gm17	12405096	12405310	Gmdrm	hypo	CHG	-0.6648
Gm17	12419435	12419689	Gmdrm	hypo	CHG	-0.1754
Gm17	12419937	12420046	Gmdrm	hypo	CHG	-0.2983
Gm17	12437176	12437275	Gmdrm	hypo	CHG	-0.0425
Gm17	12466521	12466557	Gmdrm	hypo	CHG	-0.034
Gm17	12484342	12484603	Gmdrm	hypo	CHG	-0.041
Gm17	12512205	12512289	Gmdrm	hypo	CHG	-0.8633
Gm17	12512490	12512537	Gmdrm	hypo	CHG	-0.434
Gm17	12524924	12525014	Gmdrm	hypo	CHG	-0.354
Gm17	12525543	12525713	Gmdrm	hypo	CHG	-0.61
Gm17	12574693	12574768	Gmdrm	hypo	CHG	-0.484
Gm17	12576060	12576358	Gmdrm	hypo	CHG	-0.2247
Gm17	12583995	12584061	Gmdrm	hypo	CHG	-0.308
Gm17	12607336	12607612	Gmdrm	hypo	CHG	-0.715
Gm17	12610950	12611945	Gmdrm	hypo	CHG	-0.2317
Gm17	12633057	12633254	Gmdrm	hypo	CHG	-0.1863
Gm17	12633773	12634250	Gmdrm	hypo	CHG	-0.586
Gm17	12634400	12634460	Gmdrm	hypo	CHG	-0.3543
Gm17	12636730	12636985	Gmdrm	hypo	CHG	-0.6778
Gm17	12673069	12673235	Gmdrm	hypo	CHG	-0.5282
Gm17	12679650	12679811	Gmdrm	hypo	CHG	-0.347
Gm17	12704547	12704783	Gmdrm	hypo	CHG	-0.6462
Gm17	12721539	12721672	Gmdrm	hypo	CHG	-0.562
Gm17	12728130	12728202	Gmdrm	hypo	CHG	-0.6833
Gm17	12733466	12733565	Gmdrm	hypo	CHG	-0.72
Gm17	12783221	12783460	Gmdrm	hypo	CHG	-0.379
Gm17	12787217	12787432	Gmdrm	hypo	CHG	-0.618
Gm17	12787998	12788048	Gmdrm	hypo	CHG	-0.2417
Gm17	12809991	12810277	Gmdrm	hypo	CHG	-0.3205
Gm17	12831615	12831784	Gmdrm	hypo	CHG	-0.1333
Gm17	12833719	12833864	Gmdrm	hypo	CHG	-0.6183
Gm17	12844844	12845061	Gmdrm	hypo	CHG	-0.7012
Gm17	12845249	12845731	Gmdrm	hypo	CHG	-0.665
Gm17	12846267	12846366	Gmdrm	hypo	CHG	-0.76
Gm17	12846657	12846752	Gmdrm	hypo	CHG	-0.6417
Gm17	12847196	12847260	Gmdrm	hypo	CHG	-0.8663
Gm17	12854654	12855051	Gmdrm	hypo	CHG	-0.183

Gm17	12855831	12856174	Gmdrm	hypo	CHG	-0.3085
Gm17	12859573	12859877	Gmdrm	hypo	CHG	-0.6366
Gm17	12868163	12868344	Gmdrm	hypo	CHG	-0.5033
Gm17	12886391	12886614	Gmdrm	hypo	CHG	-0.54
Gm17	12886846	12887180	Gmdrm	hypo	CHG	-0.5812
Gm17	12887412	12887521	Gmdrm	hypo	CHG	-0.6414
Gm17	12912713	12912761	Gmdrm	hypo	CHG	-0.2317
Gm17	12938422	12938523	Gmdrm	hypo	CHG	-0.392
Gm17	12939049	12939220	Gmdrm	hypo	CHG	-0.307
Gm17	12940061	12940137	Gmdrm	hypo	CHG	-0.5528
Gm17	12948213	12948293	Gmdrm	hypo	CHG	-0.6857
Gm17	12975910	12976065	Gmdrm	hypo	CHG	-0.8144
Gm17	12978812	12978876	Gmdrm	hypo	CHG	-0.4784
Gm17	12979475	12979662	Gmdrm	hypo	CHG	-0.415
Gm17	12979769	12979894	Gmdrm	hypo	CHG	-0.4043
Gm17	12982722	12982801	Gmdrm	hypo	CHG	-0.7882
Gm17	12982960	12982985	Gmdrm	hypo	CHG	-0.6833
Gm17	12990869	12991121	Gmdrm	hypo	CHG	-0.3777
Gm17	13001660	13001923	Gmdrm	hypo	CHG	-0.1794
Gm17	13004272	13004364	Gmdrm	hypo	CHG	-0.464
Gm17	13010532	13010604	Gmdrm	hypo	CHG	-0.0433
Gm17	13016775	13016903	Gmdrm	hypo	CHG	-0.072
Gm17	13022280	13022372	Gmdrm	hypo	CHG	-0.6717
Gm17	13022502	13022615	Gmdrm	hypo	CHG	-0.8186
Gm17	13022735	13022875	Gmdrm	hypo	CHG	-0.71
Gm17	13034128	13034270	Gmdrm	hypo	CHG	-0.6486
Gm17	13048635	13049057	Gmdrm	hypo	CHG	-0.3968
Gm17	13049639	13049720	Gmdrm	hypo	CHG	-0.2383
Gm17	13062535	13062879	Gmdrm	hypo	CHG	-0.4348
Gm17	13085755	13085844	Gmdrm	hypo	CHG	-0.616
Gm17	13086720	13087002	Gmdrm	hypo	CHG	-0.06
Gm17	13087471	13087597	Gmdrm	hypo	CHG	-0.6572
Gm17	13113371	13113664	Gmdrm	hypo	CHG	-0.6309
Gm17	13114105	13114185	Gmdrm	hypo	CHG	-0.3914
Gm17	13114288	13114684	Gmdrm	hypo	CHG	-0.4484
Gm17	13120330	13120527	Gmdrm	hypo	CHG	-0.6389
Gm17	13128547	13129078	Gmdrm	hypo	CHG	-0.3174
Gm17	13147179	13147420	Gmdrm	hypo	CHG	-0.2046
Gm17	13147730	13147791	Gmdrm	hypo	CHG	-0.5528
Gm17	13162121	13162413	Gmdrm	hypo	CHG	-0.2423
Gm17	13162560	13162668	Gmdrm	hypo	CHG	-0.3834
Gm17	13163148	13163272	Gmdrm	hypo	CHG	-0.3757
Gm17	13172861	13173046	Gmdrm	hypo	CHG	-0.1674
Gm17	13176916	13176967	Gmdrm	hypo	CHG	-0.0717
Gm17	13178655	13178739	Gmdrm	hypo	CHG	-0.042
Gm17	13182546	13182753	Gmdrm	hypo	CHG	-0.5513

Gm17	13193660	13193821	Gmdrm	hypo	CHG	-0.026
Gm17	13203875	13203951	Gmdrm	hypo	CHG	-0.6367
Gm17	13204989	13205271	Gmdrm	hypo	CHG	-0.7137
Gm17	13205376	13205713	Gmdrm	hypo	CHG	-0.3684
Gm17	13213442	13213871	Gmdrm	hypo	CHG	-0.0308
Gm17	13222851	13222973	Gmdrm	hypo	CHG	-0.232
Gm17	13235134	13235324	Gmdrm	hypo	CHG	-0.0622
Gm17	13239527	13240085	Gmdrm	hypo	CHG	-0.5489
Gm17	13250185	13250302	Gmdrm	hypo	CHG	-0.615
Gm17	13260266	13260351	Gmdrm	hypo	CHG	-0.7463
Gm17	13260615	13260720	Gmdrm	hypo	CHG	-0.8366
Gm17	13271409	13271906	Gmdrm	hypo	CHG	-0.1805
Gm17	13272022	13272323	Gmdrm	hypo	CHG	-0.5625
Gm17	13293319	13293367	Gmdrm	hypo	CHG	-0.738
Gm17	13293569	13293725	Gmdrm	hypo	CHG	-0.05
Gm17	13307435	13307475	Gmdrm	hypo	CHG	-0.7783
Gm17	13315034	13315211	Gmdrm	hypo	CHG	-0.46
Gm17	13315326	13315470	Gmdrm	hypo	CHG	-0.6633
Gm17	13315762	13316070	Gmdrm	hypo	CHG	-0.8972
Gm17	13327271	13327339	Gmdrm	hypo	CHG	-0.8283
Gm17	13327733	13327838	Gmdrm	hypo	CHG	-0.732
Gm17	13328423	13328468	Gmdrm	hypo	CHG	-0.405
Gm17	13328614	13328910	Gmdrm	hypo	CHG	-0.8265
Gm17	13329916	13330015	Gmdrm	hypo	CHG	-0.8312
Gm17	13330141	13330251	Gmdrm	hypo	CHG	-0.887
Gm17	13341731	13341880	Gmdrm	hypo	CHG	-0.4286
Gm17	13353328	13354245	Gmdrm	hypo	CHG	-0.2077
Gm17	13362330	13362401	Gmdrm	hypo	CHG	-0.7529
Gm17	13362545	13362566	Gmdrm	hypo	CHG	-0.475
Gm17	13387798	13387839	Gmdrm	hypo	CHG	-0.632
Gm17	13388166	13388397	Gmdrm	hypo	CHG	-0.1575
Gm17	13399325	13399417	Gmdrm	hypo	CHG	-0.2884
Gm17	13399522	13399577	Gmdrm	hypo	CHG	-0.3867
Gm17	13412274	13412358	Gmdrm	hypo	CHG	-0.2187
Gm17	13414322	13414418	Gmdrm	hypo	CHG	-0.2622
Gm17	13430760	13430929	Gmdrm	hypo	CHG	-0.0629
Gm17	13466780	13467000	Gmdrm	hypo	CHG	-0.4178
Gm17	13470043	13470086	Gmdrm	hypo	CHG	-0.04
Gm17	13470884	13471049	Gmdrm	hypo	CHG	-0.6514
Gm17	13471276	13471375	Gmdrm	hypo	CHG	-0.9335
Gm17	13481243	13481318	Gmdrm	hypo	CHG	-0.031
Gm17	13502927	13503066	Gmdrm	hypo	CHG	-0.126
Gm17	13503198	13503368	Gmdrm	hypo	CHG	-0.2534
Gm17	13505052	13505167	Gmdrm	hypo	CHG	-0.484
Gm17	13505559	13505794	Gmdrm	hypo	CHG	-0.5293
Gm17	13520887	13521071	Gmdrm	hypo	CHG	-0.7067

Gm17	13521436	13521574	Gmdrm	hypo	CHG	-0.4717
Gm17	13522423	13522530	Gmdrm	hypo	CHG	-0.46
Gm17	13523052	13523106	Gmdrm	hypo	CHG	-0.592
Gm17	13523387	13523735	Gmdrm	hypo	CHG	-0.7721
Gm17	13537424	13537573	Gmdrm	hypo	CHG	-0.1089
Gm17	13563795	13564342	Gmdrm	hypo	CHG	-0.4353
Gm17	13565118	13565254	Gmdrm	hypo	CHG	-0.535
Gm17	13571529	13571658	Gmdrm	hypo	CHG	-0.2509
Gm17	13580864	13581161	Gmdrm	hypo	CHG	-0.3294
Gm17	13586966	13587234	Gmdrm	hypo	CHG	-0.449
Gm17	13587678	13587837	Gmdrm	hypo	CHG	-0.1325
Gm17	13591014	13591464	Gmdrm	hypo	CHG	-0.6033
Gm17	13593850	13594311	Gmdrm	hypo	CHG	-0.537
Gm17	13614906	13614992	Gmdrm	hypo	CHG	-0.5667
Gm17	13615098	13615151	Gmdrm	hypo	CHG	-0.465
Gm17	13634334	13634404	Gmdrm	hypo	CHG	-0.4716
Gm17	13635195	13635472	Gmdrm	hypo	CHG	-0.3508
Gm17	13639378	13640321	Gmdrm	hypo	CHG	-0.6923
Gm17	13656866	13657312	Gmdrm	hypo	CHG	-0.06
Gm17	13675295	13675721	Gmdrm	hypo	CHG	-0.6374
Gm17	13678568	13678806	Gmdrm	hypo	CHG	-0.3272
Gm17	13688111	13688156	Gmdrm	hypo	CHG	-0.5714
Gm17	13688778	13688896	Gmdrm	hypo	CHG	-0.485
Gm17	13690061	13690338	Gmdrm	hypo	CHG	-0.336
Gm17	13690505	13690538	Gmdrm	hypo	CHG	-0.648
Gm17	13697662	13697773	Gmdrm	hypo	CHG	-0.664
Gm17	13700653	13700966	Gmdrm	hypo	CHG	-0.1792
Gm17	13715958	13716433	Gmdrm	hypo	CHG	-0.2933
Gm17	13719263	13719525	Gmdrm	hypo	CHG	-0.7568
Gm17	13725330	13725351	Gmdrm	hypo	CHG	-0.4966
Gm17	13725456	13725711	Gmdrm	hypo	CHG	-0.1596
Gm17	13758764	13758936	Gmdrm	hypo	CHG	-0.5157
Gm17	13762893	13763125	Gmdrm	hypo	CHG	-0.73
Gm17	13809200	13809272	Gmdrm	hypo	CHG	-0.858
Gm17	13815679	13815812	Gmdrm	hypo	CHG	-0.736
Gm17	13836477	13836856	Gmdrm	hypo	CHG	-0.8029
Gm17	13837020	13837273	Gmdrm	hypo	CHG	-0.6792
Gm17	13845714	13845754	Gmdrm	hypo	CHG	-0.3929
Gm17	13847813	13847961	Gmdrm	hypo	CHG	-0.274
Gm17	13861979	13862132	Gmdrm	hypo	CHG	-0.0386
Gm17	13891453	13891609	Gmdrm	hypo	CHG	-0.4
Gm17	13892509	13892798	Gmdrm	hypo	CHG	-0.5357
Gm17	13893049	13893368	Gmdrm	hypo	CHG	-0.0455
Gm17	13897213	13897434	Gmdrm	hypo	CHG	-0.07
Gm17	13904626	13904800	Gmdrm	hypo	CHG	-0.1256
Gm17	13904968	13905024	Gmdrm	hypo	CHG	-0.284

Gm17	13931843	13932082	Gmdrm	hypo	CHG	-0.474
Gm17	13932746	13932910	Gmdrm	hypo	CHG	-0.062
Gm17	13939481	13939685	Gmdrm	hypo	CHG	-0.54
Gm17	13947668	13947865	Gmdrm	hypo	CHG	-0.222
Gm17	13948905	13949029	Gmdrm	hypo	CHG	-0.082
Gm17	13955204	13955417	Gmdrm	hypo	CHG	-0.7633
Gm17	13968815	13969315	Gmdrm	hypo	CHG	-0.0327
Gm17	13970172	13970544	Gmdrm	hypo	CHG	-0.038
Gm17	13977256	13977288	Gmdrm	hypo	CHG	-0.6685
Gm17	14001961	14002166	Gmdrm	hypo	CHG	-0.409
Gm17	14003835	14003998	Gmdrm	hypo	CHG	-0.3167
Gm17	14016272	14016502	Gmdrm	hypo	CHG	-0.2418
Gm17	14016605	14016661	Gmdrm	hypo	CHG	-0.3783
Gm17	14030724	14030870	Gmdrm	hypo	CHG	-0.2429
Gm17	14031361	14031463	Gmdrm	hypo	CHG	-0.6063
Gm17	14031819	14031932	Gmdrm	hypo	CHG	-0.72
Gm17	14032579	14032646	Gmdrm	hypo	CHG	-0.058
Gm17	14037401	14037559	Gmdrm	hypo	CHG	-0.0873
Gm17	14037660	14038054	Gmdrm	hypo	CHG	-0.232
Gm17	14038350	14038635	Gmdrm	hypo	CHG	-0.0488
Gm17	14041714	14042185	Gmdrm	hypo	CHG	-0.583
Gm17	14042296	14043267	Gmdrm	hypo	CHG	-0.3738
Gm17	14043495	14044289	Gmdrm	hypo	CHG	-0.2721
Gm17	14072198	14072230	Gmdrm	hypo	CHG	-0.5733
Gm17	14072624	14072944	Gmdrm	hypo	CHG	-0.7644
Gm17	14095358	14095418	Gmdrm	hypo	CHG	-0.6583
Gm17	14095588	14095924	Gmdrm	hypo	CHG	-0.435
Gm17	14107799	14108087	Gmdrm	hypo	CHG	-0.4954
Gm17	14108249	14108542	Gmdrm	hypo	CHG	-0.2709
Gm17	14121711	14121860	Gmdrm	hypo	CHG	-0.528
Gm17	14133493	14134207	Gmdrm	hypo	CHG	-0.57
Gm17	14134625	14135342	Gmdrm	hypo	CHG	-0.2344
Gm17	14135687	14135851	Gmdrm	hypo	CHG	-0.265
Gm17	14136680	14137141	Gmdrm	hypo	CHG	-0.2241
Gm17	14137282	14137762	Gmdrm	hypo	CHG	-0.2137
Gm17	14137878	14137921	Gmdrm	hypo	CHG	-0.41
Gm17	14138514	14138653	Gmdrm	hypo	CHG	-0.3317
Gm17	14139214	14139287	Gmdrm	hypo	CHG	-0.443
Gm17	14139939	14140042	Gmdrm	hypo	CHG	-0.3478
Gm17	14140660	14140778	Gmdrm	hypo	CHG	-0.4384
Gm17	14144225	14144709	Gmdrm	hypo	CHG	-0.4727
Gm17	14152734	14152949	Gmdrm	hypo	CHG	-0.052
Gm17	14220542	14221540	Gmdrm	hypo	CHG	-0.0666
Gm17	14227361	14227510	Gmdrm	hypo	CHG	-0.296
Gm17	14234340	14234501	Gmdrm	hypo	CHG	-0.605
Gm17	14236422	14236442	Gmdrm	hypo	CHG	-0.6533

Gm17	14356170	14356243	Gmdrm	hypo	CHG	-0.5713
Gm17	14363370	14363393	Gmdrm	hypo	CHG	-0.73
Gm17	14366659	14366749	Gmdrm	hypo	CHG	-0.1717
Gm17	14376104	14376714	Gmdrm	hypo	CHG	-0.2277
Gm17	14376816	14377391	Gmdrm	hypo	CHG	-0.2468
Gm17	14380515	14380625	Gmdrm	hypo	CHG	-0.1333
Gm17	14386036	14386140	Gmdrm	hypo	CHG	-0.645
Gm17	14389564	14389818	Gmdrm	hypo	CHG	-0.5407
Gm17	14395150	14395277	Gmdrm	hypo	CHG	-0.1325
Gm17	14430442	14430622	Gmdrm	hypo	CHG	-0.7
Gm17	14433602	14433781	Gmdrm	hypo	CHG	-0.441
Gm17	14459914	14460050	Gmdrm	hypo	CHG	-0.6466
Gm17	14460579	14460701	Gmdrm	hypo	CHG	-0.595
Gm17	14487872	14488089	Gmdrm	hypo	CHG	-0.044
Gm17	14513835	14513918	Gmdrm	hypo	CHG	-0.3128
Gm17	14551156	14551267	Gmdrm	hypo	CHG	-0.7433
Gm17	14575941	14575989	Gmdrm	hypo	CHG	-0.57
Gm17	14580943	14581212	Gmdrm	hypo	CHG	-0.5208
Gm17	14582846	14582962	Gmdrm	hypo	CHG	-0.6734
Gm17	14594851	14595265	Gmdrm	hypo	CHG	-0.4588
Gm17	14595387	14595431	Gmdrm	hypo	CHG	-0.726
Gm17	14608189	14608393	Gmdrm	hypo	CHG	-0.8567
Gm17	14641591	14642138	Gmdrm	hypo	CHG	-0.6873
Gm17	14664779	14664994	Gmdrm	hypo	CHG	-0.854
Gm17	14682736	14682892	Gmdrm	hypo	CHG	-0.3
Gm17	14707309	14707777	Gmdrm	hypo	CHG	-0.6422
Gm17	14708030	14708186	Gmdrm	hypo	CHG	-0.624
Gm17	14708299	14708552	Gmdrm	hypo	CHG	-0.36
Gm17	14710058	14710516	Gmdrm	hypo	CHG	-0.3823
Gm17	14730051	14730452	Gmdrm	hypo	CHG	-0.7515
Gm17	14751186	14751424	Gmdrm	hypo	CHG	-0.4528
Gm17	14762873	14763016	Gmdrm	hypo	CHG	-0.5112
Gm17	14786155	14786479	Gmdrm	hypo	CHG	-0.8071
Gm17	14826281	14826524	Gmdrm	hypo	CHG	-0.0483
Gm17	14852925	14853032	Gmdrm	hypo	CHG	-0.58
Gm17	14964179	14964482	Gmdrm	hypo	CHG	-0.6681
Gm17	15014982	15015518	Gmdrm	hypo	CHG	-0.5519
Gm17	15019294	15019653	Gmdrm	hypo	CHG	-0.5723
Gm17	15033104	15033224	Gmdrm	hypo	CHG	-0.6172
Gm17	15051571	15051972	Gmdrm	hypo	CHG	-0.3179
Gm17	15058309	15058430	Gmdrm	hypo	CHG	-0.6284
Gm17	15074534	15074712	Gmdrm	hypo	CHG	-0.6611
Gm17	15079247	15079463	Gmdrm	hypo	CHG	-0.08
Gm17	15081908	15082421	Gmdrm	hypo	CHG	-0.0787
Gm17	15108172	15108388	Gmdrm	hypo	CHG	-0.0286
Gm17	15111429	15111643	Gmdrm	hypo	CHG	-0.052

Gm17	15119066	15119128	Gmdrm	hypo	CHG	-0.638
Gm17	15139207	15139298	Gmdrm	hypo	CHG	-0.455
Gm17	15147257	15147359	Gmdrm	hypo	CHG	-0.6284
Gm17	15147668	15148288	Gmdrm	hypo	CHG	-0.3056
Gm17	15148682	15148786	Gmdrm	hypo	CHG	-0.685
Gm17	15149991	15150214	Gmdrm	hypo	CHG	-0.0575
Gm17	15152459	15152608	Gmdrm	hypo	CHG	-0.601
Gm17	15152998	15153165	Gmdrm	hypo	CHG	-0.3943
Gm17	15155053	15155279	Gmdrm	hypo	CHG	-0.372
Gm17	15168795	15168864	Gmdrm	hypo	CHG	-0.6516
Gm17	15175351	15175605	Gmdrm	hypo	CHG	-0.5535
Gm17	15178464	15178616	Gmdrm	hypo	CHG	-0.3285
Gm17	15183728	15184124	Gmdrm	hypo	CHG	-0.2829
Gm17	15229667	15229864	Gmdrm	hypo	CHG	-0.3887
Gm17	15254026	15254111	Gmdrm	hypo	CHG	-0.3316
Gm17	15257658	15257850	Gmdrm	hypo	CHG	-0.5563
Gm17	15266769	15267468	Gmdrm	hypo	CHG	-0.657
Gm17	15272232	15272382	Gmdrm	hypo	CHG	-0.0384
Gm17	15275475	15275680	Gmdrm	hypo	CHG	-0.4683
Gm17	15298628	15298853	Gmdrm	hypo	CHG	-0.7132
Gm17	15299474	15299719	Gmdrm	hypo	CHG	-0.576
Gm17	15314148	15315060	Gmdrm	hypo	CHG	-0.6139
Gm17	15315307	15315480	Gmdrm	hypo	CHG	-0.0758
Gm17	15315933	15316140	Gmdrm	hypo	CHG	-0.7364
Gm17	15324160	15324385	Gmdrm	hypo	CHG	-0.5628
Gm17	15327264	15327739	Gmdrm	hypo	CHG	-0.2127
Gm17	15371206	15371330	Gmdrm	hypo	CHG	-0.4524
Gm17	15373734	15374131	Gmdrm	hypo	CHG	-0.1562
Gm17	15383630	15383944	Gmdrm	hypo	CHG	-0.03
Gm17	15388071	15388266	Gmdrm	hypo	CHG	-0.295
Gm17	15388590	15388963	Gmdrm	hypo	CHG	-0.243
Gm17	15430495	15430622	Gmdrm	hypo	CHG	-0.5858
Gm17	15431130	15431289	Gmdrm	hypo	CHG	-0.8445
Gm17	15431765	15432045	Gmdrm	hypo	CHG	-0.68
Gm17	15434156	15434228	Gmdrm	hypo	CHG	-0.3766
Gm17	15449119	15449424	Gmdrm	hypo	CHG	-0.3795
Gm17	15463230	15463372	Gmdrm	hypo	CHG	-0.5977
Gm17	15467642	15467690	Gmdrm	hypo	CHG	-0.048
Gm17	15472293	15472787	Gmdrm	hypo	CHG	-0.421
Gm17	15474331	15474392	Gmdrm	hypo	CHG	-0.724
Gm17	15475023	15475703	Gmdrm	hypo	CHG	-0.4059
Gm17	15481237	15481369	Gmdrm	hypo	CHG	-0.1157
Gm17	15487787	15487989	Gmdrm	hypo	CHG	-0.64
Gm17	15488347	15489206	Gmdrm	hypo	CHG	-0.5049
Gm17	15500191	15500521	Gmdrm	hypo	CHG	-0.23
Gm17	15533826	15533908	Gmdrm	hypo	CHG	-0.3243

Gm17	15538850	15539123	Gmdrm	hypo	CHG	-0.1868
Gm17	15569756	15569932	Gmdrm	hypo	CHG	-0.28
Gm17	15570211	15570308	Gmdrm	hypo	CHG	-0.606
Gm17	15570656	15570824	Gmdrm	hypo	CHG	-0.5414
Gm17	15576867	15576981	Gmdrm	hypo	CHG	-0.462
Gm17	15580294	15581284	Gmdrm	hypo	CHG	-0.4561
Gm17	15581353	15581533	Gmdrm	hypo	CHG	-0.4573
Gm17	15593233	15593840	Gmdrm	hypo	CHG	-0.3533
Gm17	15602789	15603446	Gmdrm	hypo	CHG	-0.5759
Gm17	15616660	15616821	Gmdrm	hypo	CHG	-0.5267
Gm17	15620561	15620827	Gmdrm	hypo	CHG	-0.23
Gm17	15637791	15638191	Gmdrm	hypo	CHG	-0.6962
Gm17	15638773	15638904	Gmdrm	hypo	CHG	-0.3754
Gm17	15644255	15644446	Gmdrm	hypo	CHG	-0.6825
Gm17	15644843	15645006	Gmdrm	hypo	CHG	-0.5929
Gm17	15667391	15667428	Gmdrm	hypo	CHG	-0.7034
Gm17	15667570	15667735	Gmdrm	hypo	CHG	-0.36
Gm17	15683499	15683656	Gmdrm	hypo	CHG	-0.9337
Gm17	15690486	15690641	Gmdrm	hypo	CHG	-0.04
Gm17	15782885	15783531	Gmdrm	hypo	CHG	-0.0326
Gm17	15811593	15811727	Gmdrm	hypo	CHG	-0.3715
Gm17	15826717	15827682	Gmdrm	hypo	CHG	-0.1106
Gm17	15830444	15830511	Gmdrm	hypo	CHG	-0.0471
Gm17	15830920	15831050	Gmdrm	hypo	CHG	-0.8083
Gm17	15833436	15833537	Gmdrm	hypo	CHG	-0.692
Gm17	15887371	15887422	Gmdrm	hypo	CHG	-0.2583
Gm17	15922125	15922509	Gmdrm	hypo	CHG	-0.3666
Gm17	15934451	15934666	Gmdrm	hypo	CHG	-0.0886
Gm17	15942528	15942674	Gmdrm	hypo	CHG	-0.726
Gm17	15945120	15945217	Gmdrm	hypo	CHG	-0.1567
Gm17	15972712	15972793	Gmdrm	hypo	CHG	-0.7043
Gm17	15972964	15973057	Gmdrm	hypo	CHG	-0.7613
Gm17	15974056	15974318	Gmdrm	hypo	CHG	-0.7353
Gm17	15991670	15991744	Gmdrm	hypo	CHG	-0.114
Gm17	15991880	15992031	Gmdrm	hypo	CHG	-0.1
Gm17	16023778	16023864	Gmdrm	hypo	CHG	-0.8587
Gm17	16025429	16025562	Gmdrm	hypo	CHG	-0.038
Gm17	16054133	16054419	Gmdrm	hypo	CHG	-0.2978
Gm17	16056028	16056118	Gmdrm	hypo	CHG	-0.6488
Gm17	16075785	16076236	Gmdrm	hypo	CHG	-0.2694
Gm17	16150885	16151518	Gmdrm	hypo	CHG	-0.0695
Gm17	16194094	16194153	Gmdrm	hypo	CHG	-0.262
Gm17	16196052	16196184	Gmdrm	hypo	CHG	-0.2771
Gm17	16196915	16197029	Gmdrm	hypo	CHG	-0.266
Gm17	16199262	16199539	Gmdrm	hypo	CHG	-0.5345
Gm17	16199714	16199750	Gmdrm	hypo	CHG	-0.6883

Gm17	16218534	16218748	Gmdrm	hypo	CHG	-0.2383
Gm17	16218888	16219167	Gmdrm	hypo	CHG	-0.7
Gm17	16219332	16219656	Gmdrm	hypo	CHG	-0.0712
Gm17	16223532	16223643	Gmdrm	hypo	CHG	-0.1
Gm17	16371529	16371618	Gmdrm	hypo	CHG	-0.122
Gm17	16510574	16511048	Gmdrm	hypo	CHG	-0.449
Gm17	16516631	16517061	Gmdrm	hypo	CHG	-0.2013
Gm17	16521151	16521208	Gmdrm	hypo	CHG	-0.046
Gm17	16521404	16521514	Gmdrm	hypo	CHG	-0.6316
Gm17	17417920	17418125	Gmdrm	hypo	CHG	-0.042
Gm17	17714840	17715068	Gmdrm	hypo	CHG	-0.4125
Gm17	17852459	17852590	Gmdrm	hypo	CHG	-0.7756
Gm17	17867077	17867203	Gmdrm	hypo	CHG	-0.254
Gm17	17869087	17869227	Gmdrm	hypo	CHG	-0.922
Gm17	17880700	17880769	Gmdrm	hypo	CHG	-0.245
Gm17	17882054	17882214	Gmdrm	hypo	CHG	-0.8484
Gm17	17882788	17883231	Gmdrm	hypo	CHG	-0.4061
Gm17	17885028	17885641	Gmdrm	hypo	CHG	-0.3479
Gm17	17886265	17886381	Gmdrm	hypo	CHG	-0.4588
Gm17	17888766	17889438	Gmdrm	hypo	CHG	-0.7554
Gm17	17889593	17889685	Gmdrm	hypo	CHG	-0.3766
Gm17	17889879	17890076	Gmdrm	hypo	CHG	-0.265
Gm17	17890276	17890850	Gmdrm	hypo	CHG	-0.3092
Gm17	17891144	17891503	Gmdrm	hypo	CHG	-0.3158
Gm17	17893710	17893891	Gmdrm	hypo	CHG	-0.2377
Gm17	17894142	17894335	Gmdrm	hypo	CHG	-0.3314
Gm17	17894643	17894676	Gmdrm	hypo	CHG	-0.658
Gm17	17897108	17897166	Gmdrm	hypo	CHG	-0.4784
Gm17	17897283	17897322	Gmdrm	hypo	CHG	-0.546
Gm17	17904503	17904674	Gmdrm	hypo	CHG	-0.443
Gm17	17905366	17905458	Gmdrm	hypo	CHG	-0.164
Gm17	17937055	17937207	Gmdrm	hypo	CHG	-0.6206
Gm17	17937424	17937469	Gmdrm	hypo	CHG	-0.442
Gm17	17937642	17937814	Gmdrm	hypo	CHG	-0.4165
Gm17	17940658	17940837	Gmdrm	hypo	CHG	-0.5673
Gm17	17940938	17941492	Gmdrm	hypo	CHG	-0.5492
Gm17	17948286	17948850	Gmdrm	hypo	CHG	-0.3652
Gm17	17950347	17950506	Gmdrm	hypo	CHG	-0.7125
Gm17	18106771	18106872	Gmdrm	hypo	CHG	-0.232
Gm17	18135543	18135649	Gmdrm	hypo	CHG	-0.33
Gm17	18137624	18137809	Gmdrm	hypo	CHG	-0.056
Gm17	18205170	18205627	Gmdrm	hypo	CHG	-0.4257
Gm17	18292722	18292841	Gmdrm	hypo	CHG	-0.264
Gm17	18317430	18317675	Gmdrm	hypo	CHG	-0.027
Gm17	18333736	18334066	Gmdrm	hypo	CHG	-0.4283
Gm17	18341571	18341654	Gmdrm	hypo	CHG	-0.6025

Gm17	18341780	18341932	Gmdrm	hypo	CHG	-0.3467
Gm17	18348066	18348209	Gmdrm	hypo	CHG	-0.738
Gm17	18348399	18348581	Gmdrm	hypo	CHG	-0.5028
Gm17	18357197	18357348	Gmdrm	hypo	CHG	-0.062
Gm17	18359031	18359370	Gmdrm	hypo	CHG	-0.0586
Gm17	18360469	18360630	Gmdrm	hypo	CHG	-0.055
Gm17	18435154	18435229	Gmdrm	hypo	CHG	-0.456
Gm17	18445254	18445370	Gmdrm	hypo	CHG	-0.286
Gm17	18446287	18446663	Gmdrm	hypo	CHG	-0.1393
Gm17	18448760	18448866	Gmdrm	hypo	CHG	-0.8075
Gm17	18449033	18449232	Gmdrm	hypo	CHG	-0.8086
Gm17	18449376	18449768	Gmdrm	hypo	CHG	-0.5544
Gm17	18465042	18465101	Gmdrm	hypo	CHG	-0.4817
Gm17	18472010	18472153	Gmdrm	hypo	CHG	-0.6614
Gm17	18474963	18475094	Gmdrm	hypo	CHG	-0.7811
Gm17	18475495	18475774	Gmdrm	hypo	CHG	-0.71
Gm17	18475882	18476009	Gmdrm	hypo	CHG	-0.9457
Gm17	18476123	18476260	Gmdrm	hypo	CHG	-0.044
Gm17	18479578	18479746	Gmdrm	hypo	CHG	-0.405
Gm17	18495315	18495554	Gmdrm	hypo	CHG	-0.57
Gm17	18495938	18496082	Gmdrm	hypo	CHG	-0.2012
Gm17	18507179	18507389	Gmdrm	hypo	CHG	-0.7354
Gm17	18521218	18521275	Gmdrm	hypo	CHG	-0.668
Gm17	18545522	18545611	Gmdrm	hypo	CHG	-0.24
Gm17	18548889	18549090	Gmdrm	hypo	CHG	-0.6313
Gm17	18549685	18549864	Gmdrm	hypo	CHG	-0.244
Gm17	18550205	18550481	Gmdrm	hypo	CHG	-0.389
Gm17	18550644	18550706	Gmdrm	hypo	CHG	-0.505
Gm17	18578281	18578511	Gmdrm	hypo	CHG	-0.6692
Gm17	18578979	18579004	Gmdrm	hypo	CHG	-0.49
Gm17	18602187	18602313	Gmdrm	hypo	CHG	-0.53
Gm17	18603217	18603419	Gmdrm	hypo	CHG	-0.5753
Gm17	18611856	18611921	Gmdrm	hypo	CHG	-0.68
Gm17	18617233	18617618	Gmdrm	hypo	CHG	-0.556
Gm17	18657704	18657811	Gmdrm	hypo	CHG	-0.54
Gm17	18662273	18662351	Gmdrm	hypo	CHG	-0.6957
Gm17	18675814	18675866	Gmdrm	hypo	CHG	-0.3817
Gm17	18701054	18701149	Gmdrm	hypo	CHG	-0.7716
Gm17	18701922	18702048	Gmdrm	hypo	CHG	-0.6415
Gm17	18792675	18793058	Gmdrm	hypo	CHG	-0.0333
Gm17	18795270	18795336	Gmdrm	hypo	CHG	-0.2033
Gm17	18802498	18803190	Gmdrm	hypo	CHG	-0.2791
Gm17	18815060	18815192	Gmdrm	hypo	CHG	-0.046
Gm17	18816406	18816532	Gmdrm	hypo	CHG	-0.3228
Gm17	18851223	18851330	Gmdrm	hypo	CHG	-0.39
Gm17	18873386	18873728	Gmdrm	hypo	CHG	-0.4778

Gm17	18877334	18877418	Gmdrm	hypo	CHG	-0.2789
Gm17	18877592	18877624	Gmdrm	hypo	CHG	-0.6
Gm17	18905522	18905773	Gmdrm	hypo	CHG	-0.4185
Gm17	18995842	18995933	Gmdrm	hypo	CHG	-0.425
Gm17	18996043	18996448	Gmdrm	hypo	CHG	-0.2321
Gm17	19048485	19048911	Gmdrm	hypo	CHG	-0.151
Gm17	19126270	19126415	Gmdrm	hypo	CHG	-0.32
Gm17	19166558	19166644	Gmdrm	hypo	CHG	-0.23
Gm17	19180066	19180528	Gmdrm	hypo	CHG	-0.43
Gm17	19197560	19197677	Gmdrm	hypo	CHG	-0.316
Gm17	19205651	19205945	Gmdrm	hypo	CHG	-0.1975
Gm17	19207209	19207416	Gmdrm	hypo	CHG	-0.592
Gm17	19210455	19210766	Gmdrm	hypo	CHG	-0.4122
Gm17	19227436	19227512	Gmdrm	hypo	CHG	-0.8666
Gm17	19227980	19228178	Gmdrm	hypo	CHG	-0.2235
Gm17	19250580	19250771	Gmdrm	hypo	CHG	-0.06
Gm17	19256440	19256638	Gmdrm	hypo	CHG	-0.067
Gm17	19260136	19260239	Gmdrm	hypo	CHG	-0.5384
Gm17	19296880	19297790	Gmdrm	hypo	CHG	-0.1013
Gm17	19377601	19377756	Gmdrm	hypo	CHG	-0.2237
Gm17	19410525	19410900	Gmdrm	hypo	CHG	-0.2685
Gm17	19416078	19416190	Gmdrm	hypo	CHG	-0.8722
Gm17	19438181	19438438	Gmdrm	hypo	CHG	-0.3958
Gm17	19473812	19474396	Gmdrm	hypo	CHG	-0.331
Gm17	19511075	19511312	Gmdrm	hypo	CHG	-0.1688
Gm17	19761420	19761617	Gmdrm	hypo	CHG	-0.6339
Gm17	19773893	19774052	Gmdrm	hypo	CHG	-0.38
Gm17	19828177	19828536	Gmdrm	hypo	CHG	-0.3534
Gm17	19898888	19899032	Gmdrm	hypo	CHG	-0.086
Gm17	19902545	19902661	Gmdrm	hypo	CHG	-0.1377
Gm17	19992258	19992295	Gmdrm	hypo	CHG	-0.382
Gm17	20191571	20191762	Gmdrm	hypo	CHG	-0.247
Gm17	20191873	20192233	Gmdrm	hypo	CHG	-0.3395
Gm17	20206342	20206663	Gmdrm	hypo	CHG	-0.53
Gm17	20268119	20268177	Gmdrm	hypo	CHG	-0.715
Gm17	20277155	20277344	Gmdrm	hypo	CHG	-0.1525
Gm17	20283221	20283493	Gmdrm	hypo	CHG	-0.2779
Gm17	20293128	20293318	Gmdrm	hypo	CHG	-0.5541
Gm17	20293421	20293513	Gmdrm	hypo	CHG	-0.636
Gm17	20296418	20296632	Gmdrm	hypo	CHG	-0.0886
Gm17	20406766	20407195	Gmdrm	hypo	CHG	-0.27
Gm17	20476512	20476792	Gmdrm	hypo	CHG	-0.0457
Gm17	20482105	20482414	Gmdrm	hypo	CHG	-0.377
Gm17	20667731	20668032	Gmdrm	hypo	CHG	-0.3258
Gm17	20668471	20668740	Gmdrm	hypo	CHG	-0.6439
Gm17	20670277	20670419	Gmdrm	hypo	CHG	-0.5612

Gm17	20673049	20673073	Gmdrm	hypo	CHG	-0.0717
Gm17	20679927	20680040	Gmdrm	hypo	CHG	-0.9319
Gm17	20843240	20843743	Gmdrm	hypo	CHG	-0.446
Gm17	20948870	20949179	Gmdrm	hypo	CHG	-0.3019
Gm17	20951418	20951500	Gmdrm	hypo	CHG	-0.3083
Gm17	21083367	21083611	Gmdrm	hypo	CHG	-0.2509
Gm17	21322835	21322900	Gmdrm	hypo	CHG	-0.3038
Gm17	21325642	21325958	Gmdrm	hypo	CHG	-0.239
Gm17	21326157	21326414	Gmdrm	hypo	CHG	-0.2973
Gm17	21785403	21785475	Gmdrm	hypo	CHG	-0.084
Gm17	21962613	21963293	Gmdrm	hypo	CHG	-0.2181
Gm17	21964816	21965189	Gmdrm	hypo	CHG	-0.1417
Gm17	22132016	22132259	Gmdrm	hypo	CHG	-0.1456
Gm17	22190926	22191524	Gmdrm	hypo	CHG	-0.1434
Gm17	22192546	22192801	Gmdrm	hypo	CHG	-0.2746
Gm17	22194665	22195074	Gmdrm	hypo	CHG	-0.2187
Gm17	22195825	22196019	Gmdrm	hypo	CHG	-0.6679
Gm17	22196221	22196291	Gmdrm	hypo	CHG	-0.124
Gm17	22205800	22205845	Gmdrm	hypo	CHG	-0.231
Gm17	22223380	22223418	Gmdrm	hypo	CHG	-0.4333
Gm17	22260316	22260388	Gmdrm	hypo	CHG	-0.3817
Gm17	22260916	22260955	Gmdrm	hypo	CHG	-0.32
Gm17	22295821	22296106	Gmdrm	hypo	CHG	-0.2731
Gm17	22307670	22308070	Gmdrm	hypo	CHG	-0.261
Gm17	22316349	22316543	Gmdrm	hypo	CHG	-0.07
Gm17	22318664	22318771	Gmdrm	hypo	CHG	-0.3129
Gm17	22338022	22338487	Gmdrm	hypo	CHG	-0.3823
Gm17	22338619	22338962	Gmdrm	hypo	CHG	-0.3528
Gm17	22339439	22339583	Gmdrm	hypo	CHG	-0.4967
Gm17	22340452	22340604	Gmdrm	hypo	CHG	-0.5872
Gm17	22493358	22493407	Gmdrm	hypo	CHG	-0.118
Gm17	22555804	22555907	Gmdrm	hypo	CHG	-0.6329
Gm17	22601316	22601362	Gmdrm	hypo	CHG	-0.35
Gm17	22689300	22689695	Gmdrm	hypo	CHG	-0.5905
Gm17	22689822	22689989	Gmdrm	hypo	CHG	-0.838
Gm17	22690127	22690371	Gmdrm	hypo	CHG	-0.29
Gm17	22743572	22743651	Gmdrm	hypo	CHG	-0.3133
Gm17	22743813	22744001	Gmdrm	hypo	CHG	-0.1343
Gm17	23060377	23060613	Gmdrm	hypo	CHG	-0.04
Gm17	23061539	23061588	Gmdrm	hypo	CHG	-0.3283
Gm17	23061914	23062003	Gmdrm	hypo	CHG	-0.054
Gm17	23068411	23069084	Gmdrm	hypo	CHG	-0.1438
Gm17	23089241	23089445	Gmdrm	hypo	CHG	-0.5557
Gm17	23090392	23090524	Gmdrm	hypo	CHG	-0.603
Gm17	23091227	23091535	Gmdrm	hypo	CHG	-0.3155
Gm17	23134812	23134993	Gmdrm	hypo	CHG	-0.6971

Gm17	23135145	23135273	Gmdrm	hypo	CHG	-0.71
Gm17	23144826	23145031	Gmdrm	hypo	CHG	-0.5382
Gm17	23148459	23148781	Gmdrm	hypo	CHG	-0.193
Gm17	23165878	23165918	Gmdrm	hypo	CHG	-0.1817
Gm17	23270595	23270872	Gmdrm	hypo	CHG	-0.6192
Gm17	23274533	23274607	Gmdrm	hypo	CHG	-0.426
Gm17	23492552	23492647	Gmdrm	hypo	CHG	-0.3883
Gm17	23492950	23493054	Gmdrm	hypo	CHG	-0.3717
Gm17	23493246	23493640	Gmdrm	hypo	CHG	-0.3625
Gm17	23508958	23509233	Gmdrm	hypo	CHG	-0.6629
Gm17	23531434	23531589	Gmdrm	hypo	CHG	-0.324
Gm17	23536873	23536925	Gmdrm	hypo	CHG	-0.45
Gm17	23537595	23537969	Gmdrm	hypo	CHG	-0.3495
Gm17	23555545	23555569	Gmdrm	hypo	CHG	-0.53
Gm17	23556196	23556659	Gmdrm	hypo	CHG	-0.2885
Gm17	23575624	23575759	Gmdrm	hypo	CHG	-0.064
Gm17	23575891	23576069	Gmdrm	hypo	CHG	-0.2361
Gm17	23576171	23576309	Gmdrm	hypo	CHG	-0.4783
Gm17	23576417	23576694	Gmdrm	hypo	CHG	-0.374
Gm17	23576796	23577536	Gmdrm	hypo	CHG	-0.3076
Gm17	23613791	23614136	Gmdrm	hypo	CHG	-0.2612
Gm17	23630812	23631324	Gmdrm	hypo	CHG	-0.2211
Gm17	23637540	23637656	Gmdrm	hypo	CHG	-0.656
Gm17	23637786	23637964	Gmdrm	hypo	CHG	-0.5813
Gm17	23670894	23671011	Gmdrm	hypo	CHG	-0.0233
Gm17	23713001	23713109	Gmdrm	hypo	CHG	-0.7875
Gm17	23715879	23716299	Gmdrm	hypo	CHG	-0.2206
Gm17	23720020	23720134	Gmdrm	hypo	CHG	-0.6925
Gm17	23720339	23720578	Gmdrm	hypo	CHG	-0.2947
Gm17	23725117	23725267	Gmdrm	hypo	CHG	-0.08
Gm17	23727698	23728186	Gmdrm	hypo	CHG	-0.0274
Gm17	23736506	23736673	Gmdrm	hypo	CHG	-0.4681
Gm17	23798124	23798232	Gmdrm	hypo	CHG	-0.4957
Gm17	23799346	23799522	Gmdrm	hypo	CHG	-0.19
Gm17	23799853	23799994	Gmdrm	hypo	CHG	-0.4162
Gm17	23803067	23803229	Gmdrm	hypo	CHG	-0.5433
Gm17	23858155	23859140	Gmdrm	hypo	CHG	-0.2076
Gm17	23886262	23886548	Gmdrm	hypo	CHG	-0.032
Gm17	23890563	23891429	Gmdrm	hypo	CHG	-0.225
Gm17	23891841	23892820	Gmdrm	hypo	CHG	-0.0881
Gm17	23894182	23895135	Gmdrm	hypo	CHG	-0.1206
Gm17	23906935	23907575	Gmdrm	hypo	CHG	-0.153
Gm17	23933767	23934314	Gmdrm	hypo	CHG	-0.3537
Gm17	23934440	23934920	Gmdrm	hypo	CHG	-0.196
Gm17	23936770	23937720	Gmdrm	hypo	CHG	-0.2562
Gm17	23940470	23940666	Gmdrm	hypo	CHG	-0.2066

Gm17	23954739	23955148	Gmdrm	hypo	CHG	-0.188
Gm17	23964067	23964209	Gmdrm	hypo	CHG	-0.6474
Gm17	23992043	23992454	Gmdrm	hypo	CHG	-0.0312
Gm17	23995875	23996101	Gmdrm	hypo	CHG	-0.0329
Gm17	24005717	24005794	Gmdrm	hypo	CHG	-0.386
Gm17	24006125	24006245	Gmdrm	hypo	CHG	-0.2512
Gm17	24006445	24006510	Gmdrm	hypo	CHG	-0.4433
Gm17	24007504	24007903	Gmdrm	hypo	CHG	-0.5644
Gm17	24008613	24008742	Gmdrm	hypo	CHG	-0.1415
Gm17	24082133	24082229	Gmdrm	hypo	CHG	-0.4288
Gm17	24082617	24082920	Gmdrm	hypo	CHG	-0.5291
Gm17	24092486	24092760	Gmdrm	hypo	CHG	-0.7891
Gm17	24100576	24100680	Gmdrm	hypo	CHG	-0.0462
Gm17	24188045	24188213	Gmdrm	hypo	CHG	-0.078
Gm17	24188378	24188457	Gmdrm	hypo	CHG	-0.665
Gm17	24188802	24188863	Gmdrm	hypo	CHG	-0.7914
Gm17	24190770	24190833	Gmdrm	hypo	CHG	-0.0463
Gm17	24197011	24197151	Gmdrm	hypo	CHG	-0.5673
Gm17	24197414	24197600	Gmdrm	hypo	CHG	-0.5447
Gm17	24197855	24197880	Gmdrm	hypo	CHG	-0.832
Gm17	24199306	24199750	Gmdrm	hypo	CHG	-0.1886
Gm17	24215679	24216039	Gmdrm	hypo	CHG	-0.7239
Gm17	24257001	24257068	Gmdrm	hypo	CHG	-0.5
Gm17	24263674	24263952	Gmdrm	hypo	CHG	-0.324
Gm17	24264384	24264776	Gmdrm	hypo	CHG	-0.4729
Gm17	24273733	24273860	Gmdrm	hypo	CHG	-0.4154
Gm17	24542515	24542593	Gmdrm	hypo	CHG	-0.2183
Gm17	24557015	24558004	Gmdrm	hypo	CHG	-0.3371
Gm17	24560483	24560857	Gmdrm	hypo	CHG	-0.2924
Gm17	24560967	24561425	Gmdrm	hypo	CHG	-0.4204
Gm17	24561526	24561796	Gmdrm	hypo	CHG	-0.349
Gm17	24872116	24872323	Gmdrm	hypo	CHG	-0.1479
Gm17	24887247	24887332	Gmdrm	hypo	CHG	-0.6883
Gm17	24887484	24887506	Gmdrm	hypo	CHG	-0.81
Gm17	24902114	24902175	Gmdrm	hypo	CHG	-0.7617
Gm17	25305997	25306684	Gmdrm	hypo	CHG	-0.3223
Gm17	25332922	25333069	Gmdrm	hypo	CHG	-0.6114
Gm17	25335913	25336013	Gmdrm	hypo	CHG	-0.748
Gm17	25336122	25336255	Gmdrm	hypo	CHG	-0.3567
Gm17	25390147	25390189	Gmdrm	hypo	CHG	-0.1214
Gm17	25579968	25580412	Gmdrm	hypo	CHG	-0.6476
Gm17	25580596	25580695	Gmdrm	hypo	CHG	-0.5216
Gm17	25593948	25594053	Gmdrm	hypo	CHG	-0.314
Gm17	25596668	25596732	Gmdrm	hypo	CHG	-0.632
Gm17	25634688	25634774	Gmdrm	hypo	CHG	-0.595
Gm17	25639452	25639540	Gmdrm	hypo	CHG	-0.06

Gm17	25639966	25640287	Gmdrm	hypo	CHG	-0.3271
Gm17	25640759	25640871	Gmdrm	hypo	CHG	-0.5343
Gm17	25750115	25750231	Gmdrm	hypo	CHG	-0.052
Gm17	25750600	25750723	Gmdrm	hypo	CHG	-0.4938
Gm17	25750949	25751021	Gmdrm	hypo	CHG	-0.8017
Gm17	25751548	25751617	Gmdrm	hypo	CHG	-0.546
Gm17	25851117	25851175	Gmdrm	hypo	CHG	-0.6667
Gm17	25851987	25852312	Gmdrm	hypo	CHG	-0.3582
Gm17	25852485	25852713	Gmdrm	hypo	CHG	-0.5306
Gm17	25853123	25853243	Gmdrm	hypo	CHG	-0.3766
Gm17	25853888	25854225	Gmdrm	hypo	CHG	-0.6552
Gm17	25854343	25854519	Gmdrm	hypo	CHG	-0.545
Gm17	25854772	25855250	Gmdrm	hypo	CHG	-0.4515
Gm17	25855404	25855577	Gmdrm	hypo	CHG	-0.4021
Gm17	25857065	25857283	Gmdrm	hypo	CHG	-0.6336
Gm17	25857406	25857575	Gmdrm	hypo	CHG	-0.5225
Gm17	25857724	25857748	Gmdrm	hypo	CHG	-0.1883
Gm17	25858160	25858195	Gmdrm	hypo	CHG	-0.5934
Gm17	25859129	25859544	Gmdrm	hypo	CHG	-0.541
Gm17	25875550	25876508	Gmdrm	hypo	CHG	-0.0982
Gm17	26167670	26167818	Gmdrm	hypo	CHG	-0.1089
Gm17	26176652	26177598	Gmdrm	hypo	CHG	-0.2136
Gm17	26206227	26206554	Gmdrm	hypo	CHG	-0.6344
Gm17	26206665	26206871	Gmdrm	hypo	CHG	-0.3
Gm17	26206980	26207470	Gmdrm	hypo	CHG	-0.2414
Gm17	26207578	26208053	Gmdrm	hypo	CHG	-0.2653
Gm17	26301132	26301216	Gmdrm	hypo	CHG	-0.2034
Gm17	26301345	26301413	Gmdrm	hypo	CHG	-0.4466
Gm17	26416626	26416822	Gmdrm	hypo	CHG	-0.3587
Gm17	26421851	26422036	Gmdrm	hypo	CHG	-0.0383
Gm17	26432662	26433318	Gmdrm	hypo	CHG	-0.2636
Gm17	26514922	26515301	Gmdrm	hypo	CHG	-0.1674
Gm17	26526391	26526906	Gmdrm	hypo	CHG	-0.4894
Gm17	26531077	26531241	Gmdrm	hypo	CHG	-0.497
Gm17	26531864	26531973	Gmdrm	hypo	CHG	-0.2583
Gm17	26534809	26534834	Gmdrm	hypo	CHG	-0.076
Gm17	26731912	26732076	Gmdrm	hypo	CHG	-0.148
Gm17	26756108	26756306	Gmdrm	hypo	CHG	-0.8387
Gm17	26756851	26756970	Gmdrm	hypo	CHG	-0.78
Gm17	26784830	26784970	Gmdrm	hypo	CHG	-0.054
Gm17	26939706	26939976	Gmdrm	hypo	CHG	-0.1058
Gm17	26945318	26945514	Gmdrm	hypo	CHG	-0.1154
Gm17	26946545	26946686	Gmdrm	hypo	CHG	-0.1063
Gm17	26946804	26947023	Gmdrm	hypo	CHG	-0.0773
Gm17	26947155	26948125	Gmdrm	hypo	CHG	-0.2406
Gm17	26948176	26948350	Gmdrm	hypo	CHG	-0.5193

Gm17	26948902	26949207	Gmdrm	hypo	CHG	-0.1906
Gm17	27035227	27036095	Gmdrm	hypo	CHG	-0.258
Gm17	27176360	27176557	Gmdrm	hypo	CHG	-0.6372
Gm17	27201672	27202606	Gmdrm	hypo	CHG	-0.1929
Gm17	27204202	27204374	Gmdrm	hypo	CHG	-0.29
Gm17	27212550	27213007	Gmdrm	hypo	CHG	-0.0886
Gm17	27216398	27216452	Gmdrm	hypo	CHG	-0.35
Gm17	27223315	27223505	Gmdrm	hypo	CHG	-0.304
Gm17	27228011	27228209	Gmdrm	hypo	CHG	-0.7566
Gm17	27228513	27228734	Gmdrm	hypo	CHG	-0.8243
Gm17	27320048	27320178	Gmdrm	hypo	CHG	-0.045
Gm17	27344500	27344801	Gmdrm	hypo	CHG	-0.237
Gm17	27350677	27350741	Gmdrm	hypo	CHG	-0.695
Gm17	27351057	27351418	Gmdrm	hypo	CHG	-0.5242
Gm17	27427103	27427567	Gmdrm	hypo	CHG	-0.5653
Gm17	27427720	27427891	Gmdrm	hypo	CHG	-0.5467
Gm17	27430972	27431096	Gmdrm	hypo	CHG	-0.078
Gm17	27431622	27432278	Gmdrm	hypo	CHG	-0.1011
Gm17	27433334	27433451	Gmdrm	hypo	CHG	-0.0633
Gm17	27435231	27435269	Gmdrm	hypo	CHG	-0.06
Gm17	27524414	27524695	Gmdrm	hypo	CHG	-0.1816
Gm17	27782482	27782768	Gmdrm	hypo	CHG	-0.8173
Gm17	27791237	27791806	Gmdrm	hypo	CHG	-0.403
Gm17	27791922	27792882	Gmdrm	hypo	CHG	-0.3396
Gm17	28033813	28034811	Gmdrm	hypo	CHG	-0.079
Gm17	28067563	28067841	Gmdrm	hypo	CHG	-0.5375
Gm17	28143684	28144250	Gmdrm	hypo	CHG	-0.4743
Gm17	28144417	28145399	Gmdrm	hypo	CHG	-0.7461
Gm17	28145429	28146097	Gmdrm	hypo	CHG	-0.7375
Gm17	28157880	28158204	Gmdrm	hypo	CHG	-0.3115
Gm17	28158318	28158453	Gmdrm	hypo	CHG	-0.2525
Gm17	28159082	28159448	Gmdrm	hypo	CHG	-0.3443
Gm17	28159742	28159821	Gmdrm	hypo	CHG	-0.672
Gm17	28160202	28160271	Gmdrm	hypo	CHG	-0.344
Gm17	28164159	28164395	Gmdrm	hypo	CHG	-0.2929
Gm17	28165463	28165723	Gmdrm	hypo	CHG	-0.4145
Gm17	28764002	28764533	Gmdrm	hypo	CHG	-0.0795
Gm17	28764726	28765242	Gmdrm	hypo	CHG	-0.3844
Gm17	28765425	28766046	Gmdrm	hypo	CHG	-0.2864
Gm17	28774047	28774220	Gmdrm	hypo	CHG	-0.041
Gm17	28834965	28835049	Gmdrm	hypo	CHG	-0.3837
Gm17	28842313	28842464	Gmdrm	hypo	CHG	-0.4967
Gm17	28851944	28852177	Gmdrm	hypo	CHG	-0.4623
Gm17	28874439	28875161	Gmdrm	hypo	CHG	-0.6921
Gm17	28931256	28931331	Gmdrm	hypo	CHG	-0.64
Gm17	28931629	28931923	Gmdrm	hypo	CHG	-0.7942

Gm17	28938518	28938711	Gmdrm	hypo	CHG	-0.7325
Gm17	28996474	28996658	Gmdrm	hypo	CHG	-0.7878
Gm17	29004119	29004289	Gmdrm	hypo	CHG	-0.04
Gm17	29006079	29006252	Gmdrm	hypo	CHG	-0.084
Gm17	29012762	29012967	Gmdrm	hypo	CHG	-0.5938
Gm17	29103392	29103527	Gmdrm	hypo	CHG	-0.5175
Gm17	29107777	29107996	Gmdrm	hypo	CHG	-0.2475
Gm17	29154595	29154719	Gmdrm	hypo	CHG	-0.2612
Gm17	29155345	29155569	Gmdrm	hypo	CHG	-0.2734
Gm17	29189531	29190165	Gmdrm	hypo	CHG	-0.2274
Gm17	29214052	29214336	Gmdrm	hypo	CHG	-0.1453
Gm17	29217525	29217587	Gmdrm	hypo	CHG	-0.098
Gm17	29220564	29220920	Gmdrm	hypo	CHG	-0.5083
Gm17	29223086	29223186	Gmdrm	hypo	CHG	-0.7267
Gm17	29807009	29807068	Gmdrm	hypo	CHG	-0.0517
Gm17	29848258	29848355	Gmdrm	hypo	CHG	-0.5815
Gm17	29848607	29848878	Gmdrm	hypo	CHG	-0.3423
Gm17	30037727	30037961	Gmdrm	hypo	CHG	-0.4466
Gm17	30039627	30039836	Gmdrm	hypo	CHG	-0.6312
Gm17	30040157	30040457	Gmdrm	hypo	CHG	-0.2682
Gm17	30080595	30080703	Gmdrm	hypo	CHG	-0.2766
Gm17	30099638	30099738	Gmdrm	hypo	CHG	-0.765
Gm17	30100892	30100981	Gmdrm	hypo	CHG	-0.8967
Gm17	30215678	30215943	Gmdrm	hypo	CHG	-0.5131
Gm17	30216112	30216181	Gmdrm	hypo	CHG	-0.3228
Gm17	30216623	30216715	Gmdrm	hypo	CHG	-0.5511
Gm17	30216905	30217081	Gmdrm	hypo	CHG	-0.4883
Gm17	30220236	30220307	Gmdrm	hypo	CHG	-0.1629
Gm17	30221832	30222066	Gmdrm	hypo	CHG	-0.3524
Gm17	30237737	30238062	Gmdrm	hypo	CHG	-0.1288
Gm17	30325658	30325851	Gmdrm	hypo	CHG	-0.5622
Gm17	30365450	30366045	Gmdrm	hypo	CHG	-0.6896
Gm17	30371840	30372006	Gmdrm	hypo	CHG	-0.7272
Gm17	30372332	30372638	Gmdrm	hypo	CHG	-0.6013
Gm17	30548359	30549126	Gmdrm	hypo	CHG	-0.2581
Gm17	30550340	30550483	Gmdrm	hypo	CHG	-0.0343
Gm17	30554292	30554343	Gmdrm	hypo	CHG	-0.6075
Gm17	30561761	30562097	Gmdrm	hypo	CHG	-0.7204
Gm17	30580456	30580797	Gmdrm	hypo	CHG	-0.1671
Gm17	30582121	30582932	Gmdrm	hypo	CHG	-0.0467
Gm17	30599995	30600972	Gmdrm	hypo	CHG	-0.2541
Gm17	30601080	30602064	Gmdrm	hypo	CHG	-0.1623
Gm17	30615700	30616685	Gmdrm	hypo	CHG	-0.2053
Gm17	30616706	30616922	Gmdrm	hypo	CHG	-0.2872
Gm17	30617092	30617843	Gmdrm	hypo	CHG	-0.1416
Gm17	30617951	30618243	Gmdrm	hypo	CHG	-0.1416

Gm17	30619587	30619912	Gmdrm	hypo	CHG	-0.2315
Gm17	30645923	30646015	Gmdrm	hypo	CHG	-0.6434
Gm17	30650923	30651130	Gmdrm	hypo	CHG	-0.0533
Gm17	30687248	30687288	Gmdrm	hypo	CHG	-0.105
Gm17	30688497	30688878	Gmdrm	hypo	CHG	-0.4457
Gm17	30692630	30692938	Gmdrm	hypo	CHG	-0.05
Gm17	30800670	30800705	Gmdrm	hypo	CHG	-0.432
Gm17	30825258	30825426	Gmdrm	hypo	CHG	-0.4772
Gm17	30835170	30835851	Gmdrm	hypo	CHG	-0.0353
Gm17	30936792	30937117	Gmdrm	hypo	CHG	-0.3027
Gm17	30944563	30944700	Gmdrm	hypo	CHG	-0.2366
Gm17	30944879	30944977	Gmdrm	hypo	CHG	-0.616
Gm17	30972778	30973118	Gmdrm	hypo	CHG	-0.4214
Gm17	30974012	30974297	Gmdrm	hypo	CHG	-0.2764
Gm17	30979072	30979635	Gmdrm	hypo	CHG	-0.5256
Gm17	30981025	30981991	Gmdrm	hypo	CHG	-0.2908
Gm17	31035191	31035395	Gmdrm	hypo	CHG	-0.5094
Gm17	31070765	31070996	Gmdrm	hypo	CHG	-0.3774
Gm17	31076273	31076585	Gmdrm	hypo	CHG	-0.47
Gm17	31077500	31078012	Gmdrm	hypo	CHG	-0.471
Gm17	31080336	31080504	Gmdrm	hypo	CHG	-0.39
Gm17	31080632	31080809	Gmdrm	hypo	CHG	-0.537
Gm17	31086271	31086389	Gmdrm	hypo	CHG	-0.815
Gm17	31086694	31086953	Gmdrm	hypo	CHG	-0.6677
Gm17	31103143	31103328	Gmdrm	hypo	CHG	-0.4513
Gm17	31103452	31103803	Gmdrm	hypo	CHG	-0.3358
Gm17	31118977	31119086	Gmdrm	hypo	CHG	-0.6717
Gm17	31121639	31121757	Gmdrm	hypo	CHG	-0.7217
Gm17	31124677	31124804	Gmdrm	hypo	CHG	-0.5257
Gm17	31149850	31149928	Gmdrm	hypo	CHG	-0.4517
Gm17	31171287	31171735	Gmdrm	hypo	CHG	-0.3309
Gm17	31171840	31172129	Gmdrm	hypo	CHG	-0.1777
Gm17	31228172	31228187	Gmdrm	hypo	CHG	-0.626
Gm17	31236559	31236794	Gmdrm	hypo	CHG	-0.1444
Gm17	31244268	31244314	Gmdrm	hypo	CHG	-0.352
Gm17	31250701	31250885	Gmdrm	hypo	CHG	-0.5611
Gm17	31251264	31251358	Gmdrm	hypo	CHG	-0.686
Gm17	31266246	31266292	Gmdrm	hypo	CHG	-0.53
Gm17	31266424	31266555	Gmdrm	hypo	CHG	-0.5215
Gm17	31266861	31267041	Gmdrm	hypo	CHG	-0.4221
Gm17	31267749	31267917	Gmdrm	hypo	CHG	-0.635
Gm17	31268289	31268779	Gmdrm	hypo	CHG	-0.7196
Gm17	31271346	31271542	Gmdrm	hypo	CHG	-0.3775
Gm17	31272051	31272158	Gmdrm	hypo	CHG	-0.8686
Gm17	31282331	31282494	Gmdrm	hypo	CHG	-0.06
Gm17	31353166	31353296	Gmdrm	hypo	CHG	-0.509

Gm17	31449234	31449540	Gmdrm	hypo	CHG	-0.2747
Gm17	31453471	31453596	Gmdrm	hypo	CHG	-0.4571
Gm17	31458934	31459161	Gmdrm	hypo	CHG	-0.36
Gm17	31464710	31464907	Gmdrm	hypo	CHG	-0.496
Gm17	31508518	31508604	Gmdrm	hypo	CHG	-0.124
Gm17	31513749	31513856	Gmdrm	hypo	CHG	-0.528
Gm17	31514075	31514213	Gmdrm	hypo	CHG	-0.1829
Gm17	31528865	31529364	Gmdrm	hypo	CHG	-0.3785
Gm17	31575850	31575982	Gmdrm	hypo	CHG	-0.3192
Gm17	31576150	31576289	Gmdrm	hypo	CHG	-0.3215
Gm17	31593615	31593787	Gmdrm	hypo	CHG	-0.5657
Gm17	31598606	31599193	Gmdrm	hypo	CHG	-0.1218
Gm17	31602591	31602694	Gmdrm	hypo	CHG	-0.3667
Gm17	31602830	31602977	Gmdrm	hypo	CHG	-0.6862
Gm17	31608732	31608885	Gmdrm	hypo	CHG	-0.03
Gm17	31617497	31617587	Gmdrm	hypo	CHG	-0.8889
Gm17	31619734	31619792	Gmdrm	hypo	CHG	-0.665
Gm17	31660612	31661053	Gmdrm	hypo	CHG	-0.4118
Gm17	31661254	31661381	Gmdrm	hypo	CHG	-0.5312
Gm17	31661572	31661838	Gmdrm	hypo	CHG	-0.448
Gm17	31705257	31705766	Gmdrm	hypo	CHG	-0.454
Gm17	31715279	31715444	Gmdrm	hypo	CHG	-0.08
Gm17	31723503	31723626	Gmdrm	hypo	CHG	-0.49
Gm17	31724476	31724759	Gmdrm	hypo	CHG	-0.4301
Gm17	31724923	31725156	Gmdrm	hypo	CHG	-0.413
Gm17	31726452	31727009	Gmdrm	hypo	CHG	-0.2669
Gm17	31729167	31730162	Gmdrm	hypo	CHG	-0.3062
Gm17	31730236	31730857	Gmdrm	hypo	CHG	-0.242
Gm17	31731125	31731807	Gmdrm	hypo	CHG	-0.1822
Gm17	31751200	31751560	Gmdrm	hypo	CHG	-0.5826
Gm17	31751724	31751996	Gmdrm	hypo	CHG	-0.5288
Gm17	31752913	31753036	Gmdrm	hypo	CHG	-0.524
Gm17	31762718	31762839	Gmdrm	hypo	CHG	-0.465
Gm17	31763915	31764150	Gmdrm	hypo	CHG	-0.3
Gm17	31774652	31774775	Gmdrm	hypo	CHG	-0.5256
Gm17	31793789	31793920	Gmdrm	hypo	CHG	-0.754
Gm17	31794031	31794226	Gmdrm	hypo	CHG	-0.5678
Gm17	31794434	31794612	Gmdrm	hypo	CHG	-0.5436
Gm17	31794850	31795053	Gmdrm	hypo	CHG	-0.655
Gm17	31795157	31795382	Gmdrm	hypo	CHG	-0.3916
Gm17	31796096	31796350	Gmdrm	hypo	CHG	-0.2778
Gm17	31798133	31798364	Gmdrm	hypo	CHG	-0.651
Gm17	31802139	31802423	Gmdrm	hypo	CHG	-0.3926
Gm17	31802560	31802910	Gmdrm	hypo	CHG	-0.4985
Gm17	31803335	31803537	Gmdrm	hypo	CHG	-0.1956
Gm17	31816148	31816305	Gmdrm	hypo	CHG	-0.424

Gm17	31828556	31828645	Gmdrm	hypo	CHG	-0.5
Gm17	31851738	31852083	Gmdrm	hypo	CHG	-0.5612
Gm17	31852190	31852285	Gmdrm	hypo	CHG	-0.4987
Gm17	31852723	31852876	Gmdrm	hypo	CHG	-0.2481
Gm17	31853027	31853513	Gmdrm	hypo	CHG	-0.2068
Gm17	31856552	31856979	Gmdrm	hypo	CHG	-0.2573
Gm17	31857162	31857813	Gmdrm	hypo	CHG	-0.2278
Gm17	31858011	31858092	Gmdrm	hypo	CHG	-0.4876
Gm17	31858354	31858619	Gmdrm	hypo	CHG	-0.36
Gm17	31859004	31859254	Gmdrm	hypo	CHG	-0.2856
Gm17	31866186	31866330	Gmdrm	hypo	CHG	-0.6757
Gm17	31890335	31890559	Gmdrm	hypo	CHG	-0.0788
Gm17	31891223	31891344	Gmdrm	hypo	CHG	-0.028
Gm17	31929869	31930099	Gmdrm	hypo	CHG	-0.2591
Gm17	31950674	31951250	Gmdrm	hypo	CHG	-0.1316
Gm17	31955299	31955578	Gmdrm	hypo	CHG	-0.2496
Gm17	31955864	31956196	Gmdrm	hypo	CHG	-0.3087
Gm17	31972990	31973113	Gmdrm	hypo	CHG	-0.3955
Gm17	31976837	31977011	Gmdrm	hypo	CHG	-0.465
Gm17	31977207	31977412	Gmdrm	hypo	CHG	-0.4807
Gm17	32007220	32007626	Gmdrm	hypo	CHG	-0.4754
Gm17	32012573	32012669	Gmdrm	hypo	CHG	-0.042
Gm17	32016465	32016769	Gmdrm	hypo	CHG	-0.6446
Gm17	32027302	32027723	Gmdrm	hypo	CHG	-0.5387
Gm17	32028366	32028724	Gmdrm	hypo	CHG	-0.4685
Gm17	32028866	32028952	Gmdrm	hypo	CHG	-0.1257
Gm17	32037979	32038054	Gmdrm	hypo	CHG	-0.185
Gm17	32065068	32065533	Gmdrm	hypo	CHG	-0.4779
Gm17	32066126	32066228	Gmdrm	hypo	CHG	-0.3166
Gm17	32066496	32066594	Gmdrm	hypo	CHG	-0.2566
Gm17	32107479	32107535	Gmdrm	hypo	CHG	-0.61
Gm17	32108264	32108516	Gmdrm	hypo	CHG	-0.7658
Gm17	32135836	32135873	Gmdrm	hypo	CHG	-0.53
Gm17	32138071	32138207	Gmdrm	hypo	CHG	-0.3114
Gm17	32155110	32155466	Gmdrm	hypo	CHG	-0.7057
Gm17	32156924	32157114	Gmdrm	hypo	CHG	-0.3812
Gm17	32157597	32157766	Gmdrm	hypo	CHG	-0.5417
Gm17	32157869	32158005	Gmdrm	hypo	CHG	-0.445
Gm17	32207432	32207716	Gmdrm	hypo	CHG	-0.5867
Gm17	32215040	32215248	Gmdrm	hypo	CHG	-0.072
Gm17	32225816	32226139	Gmdrm	hypo	CHG	-0.7446
Gm17	32226784	32226991	Gmdrm	hypo	CHG	-0.7612
Gm17	32227100	32227226	Gmdrm	hypo	CHG	-0.09
Gm17	32233675	32233854	Gmdrm	hypo	CHG	-0.835
Gm17	32236314	32236436	Gmdrm	hypo	CHG	-0.16
Gm17	32237192	32237305	Gmdrm	hypo	CHG	-0.302

Gm17	32247232	32247389	Gmdrm	hypo	CHG	-0.2253
Gm17	32250505	32250952	Gmdrm	hypo	CHG	-0.2994
Gm17	32325360	32325857	Gmdrm	hypo	CHG	-0.1684
Gm17	32327723	32327938	Gmdrm	hypo	CHG	-0.072
Gm17	32389933	32390010	Gmdrm	hypo	CHG	-0.3237
Gm17	32391970	32392181	Gmdrm	hypo	CHG	-0.04
Gm17	32395878	32396349	Gmdrm	hypo	CHG	-0.2792
Gm17	32424546	32424740	Gmdrm	hypo	CHG	-0.5343
Gm17	32446962	32447289	Gmdrm	hypo	CHG	-0.0489
Gm17	32457486	32457625	Gmdrm	hypo	CHG	-0.5044
Gm17	32620639	32621257	Gmdrm	hypo	CHG	-0.1068
Gm17	32750185	32750486	Gmdrm	hypo	CHG	-0.06
Gm17	32757380	32757942	Gmdrm	hypo	CHG	-0.1323
Gm17	32774542	32774740	Gmdrm	hypo	CHG	-0.1192
Gm17	32778667	32779199	Gmdrm	hypo	CHG	-0.0942
Gm17	32784478	32785425	Gmdrm	hypo	CHG	-0.1977
Gm17	32785543	32785928	Gmdrm	hypo	CHG	-0.282
Gm17	32786142	32787141	Gmdrm	hypo	CHG	-0.1863
Gm17	32842096	32842262	Gmdrm	hypo	CHG	-0.3009
Gm17	32870734	32870871	Gmdrm	hypo	CHG	-0.5845
Gm17	33096183	33096355	Gmdrm	hypo	CHG	-0.2131
Gm17	33143478	33143598	Gmdrm	hypo	CHG	-0.5462
Gm17	33143937	33144082	Gmdrm	hypo	CHG	-0.597
Gm17	33157686	33157871	Gmdrm	hypo	CHG	-0.365
Gm17	33275705	33275803	Gmdrm	hypo	CHG	-0.18
Gm17	33275958	33276334	Gmdrm	hypo	CHG	-0.32
Gm17	33276559	33277175	Gmdrm	hypo	CHG	-0.2266
Gm17	33313441	33313660	Gmdrm	hypo	CHG	-0.4917
Gm17	33314488	33315100	Gmdrm	hypo	CHG	-0.2652
Gm17	33317141	33317479	Gmdrm	hypo	CHG	-0.2587
Gm17	33317603	33317944	Gmdrm	hypo	CHG	-0.285
Gm17	33318538	33318978	Gmdrm	hypo	CHG	-0.2368
Gm17	33330125	33330143	Gmdrm	hypo	CHG	-0.1157
Gm17	33332199	33332259	Gmdrm	hypo	CHG	-0.415
Gm17	33336088	33336170	Gmdrm	hypo	CHG	-0.1
Gm17	33340860	33341116	Gmdrm	hypo	CHG	-0.3889
Gm17	33343235	33343506	Gmdrm	hypo	CHG	-0.5187
Gm17	33346138	33346550	Gmdrm	hypo	CHG	-0.4653
Gm17	33356792	33357128	Gmdrm	hypo	CHG	-0.0555
Gm17	33358623	33359174	Gmdrm	hypo	CHG	-0.1056
Gm17	33363654	33363927	Gmdrm	hypo	CHG	-0.6128
Gm17	33376346	33376360	Gmdrm	hypo	CHG	-0.6867
Gm17	33379827	33380085	Gmdrm	hypo	CHG	-0.363
Gm17	33381227	33381443	Gmdrm	hypo	CHG	-0.8869
Gm17	33382332	33382417	Gmdrm	hypo	CHG	-0.034
Gm17	33385162	33385442	Gmdrm	hypo	CHG	-0.42

Gm17	33395149	33395212	Gmdrm	hypo	CHG	-0.24
Gm17	33395489	33395586	Gmdrm	hypo	CHG	-0.0817
Gm17	33402383	33402576	Gmdrm	hypo	CHG	-0.044
Gm17	33403522	33404207	Gmdrm	hypo	CHG	-0.8117
Gm17	33419596	33419833	Gmdrm	hypo	CHG	-0.775
Gm17	33420126	33420262	Gmdrm	hypo	CHG	-0.5471
Gm17	33422821	33423188	Gmdrm	hypo	CHG	-0.8292
Gm17	33423504	33423667	Gmdrm	hypo	CHG	-0.7433
Gm17	33435842	33435976	Gmdrm	hypo	CHG	-0.43
Gm17	33442175	33442364	Gmdrm	hypo	CHG	-0.589
Gm17	33466950	33467106	Gmdrm	hypo	CHG	-0.252
Gm17	33467530	33467714	Gmdrm	hypo	CHG	-0.725
Gm17	33470241	33470728	Gmdrm	hypo	CHG	-0.287
Gm17	33488984	33489066	Gmdrm	hypo	CHG	-0.1272
Gm17	33500961	33501102	Gmdrm	hypo	CHG	-0.209
Gm17	33516708	33516963	Gmdrm	hypo	CHG	-0.0364
Gm17	33586026	33586375	Gmdrm	hypo	CHG	-0.52
Gm17	33586643	33586704	Gmdrm	hypo	CHG	-0.1866
Gm17	33590602	33591389	Gmdrm	hypo	CHG	-0.4025
Gm17	33592236	33592801	Gmdrm	hypo	CHG	-0.2196
Gm17	33595381	33596363	Gmdrm	hypo	CHG	-0.2164
Gm17	33605530	33605657	Gmdrm	hypo	CHG	-0.3218
Gm17	33616003	33616185	Gmdrm	hypo	CHG	-0.5478
Gm17	33616862	33617057	Gmdrm	hypo	CHG	-0.042
Gm17	33724416	33724763	Gmdrm	hypo	CHG	-0.4127
Gm17	33725000	33725176	Gmdrm	hypo	CHG	-0.2845
Gm17	33745736	33745938	Gmdrm	hypo	CHG	-0.3
Gm17	33782362	33782458	Gmdrm	hypo	CHG	-0.3989
Gm17	33784380	33784511	Gmdrm	hypo	CHG	-0.289
Gm17	33784644	33784710	Gmdrm	hypo	CHG	-0.3617
Gm17	33784889	33785220	Gmdrm	hypo	CHG	-0.5743
Gm17	33788469	33788662	Gmdrm	hypo	CHG	-0.7014
Gm17	33845798	33845834	Gmdrm	hypo	CHG	-0.1917
Gm17	33845944	33846019	Gmdrm	hypo	CHG	-0.552
Gm17	33846138	33846616	Gmdrm	hypo	CHG	-0.5858
Gm17	33861654	33862010	Gmdrm	hypo	CHG	-0.48
Gm17	33864711	33865099	Gmdrm	hypo	CHG	-0.264
Gm17	33865783	33866030	Gmdrm	hypo	CHG	-0.7377
Gm17	33866787	33866855	Gmdrm	hypo	CHG	-0.508
Gm17	33867653	33867861	Gmdrm	hypo	CHG	-0.478
Gm17	33868087	33868298	Gmdrm	hypo	CHG	-0.7164
Gm17	33909822	33909988	Gmdrm	hypo	CHG	-0.5473
Gm17	33910143	33910877	Gmdrm	hypo	CHG	-0.219
Gm17	33967892	33967940	Gmdrm	hypo	CHG	-0.4384
Gm17	34001630	34001738	Gmdrm	hypo	CHG	-0.13
Gm17	34018077	34018163	Gmdrm	hypo	CHG	-0.5933

Gm17	34028733	34028974	Gmdrm	hypo	CHG	-0.5446
Gm17	34031599	34031625	Gmdrm	hypo	CHG	-0.608
Gm17	34063419	34063475	Gmdrm	hypo	CHG	-0.074
Gm17	34156723	34157017	Gmdrm	hypo	CHG	-0.1329
Gm17	34220285	34221217	Gmdrm	hypo	CHG	-0.3251
Gm17	34235584	34235779	Gmdrm	hypo	CHG	-0.745
Gm17	34242743	34242911	Gmdrm	hypo	CHG	-0.69
Gm17	34248162	34249087	Gmdrm	hypo	CHG	-0.274
Gm17	34417593	34417730	Gmdrm	hypo	CHG	-0.8064
Gm17	34438791	34438849	Gmdrm	hypo	CHG	-0.048
Gm17	34451888	34452069	Gmdrm	hypo	CHG	-0.5733
Gm17	34464154	34464230	Gmdrm	hypo	CHG	-0.837
Gm17	34469309	34469423	Gmdrm	hypo	CHG	-0.5127
Gm17	34469598	34469741	Gmdrm	hypo	CHG	-0.705
Gm17	34494279	34494377	Gmdrm	hypo	CHG	-0.462
Gm17	34529546	34529662	Gmdrm	hypo	CHG	-0.346
Gm17	34529814	34529947	Gmdrm	hypo	CHG	-0.288
Gm17	34612647	34612676	Gmdrm	hypo	CHG	-0.6716
Gm17	34617579	34617620	Gmdrm	hypo	CHG	-0.0633
Gm17	34650997	34651425	Gmdrm	hypo	CHG	-0.252
Gm17	34656530	34656610	Gmdrm	hypo	CHG	-0.6729
Gm17	34683476	34683586	Gmdrm	hypo	CHG	-0.505
Gm17	34683691	34683947	Gmdrm	hypo	CHG	-0.5695
Gm17	34687722	34687966	Gmdrm	hypo	CHG	-0.575
Gm17	34693018	34693275	Gmdrm	hypo	CHG	-0.6845
Gm17	34736848	34737102	Gmdrm	hypo	CHG	-0.7434
Gm17	34739809	34739939	Gmdrm	hypo	CHG	-0.4808
Gm17	34740862	34740979	Gmdrm	hypo	CHG	-0.5016
Gm17	34747686	34747832	Gmdrm	hypo	CHG	-0.3694
Gm17	34755008	34755128	Gmdrm	hypo	CHG	-0.2928
Gm17	34757291	34757893	Gmdrm	hypo	CHG	-0.4409
Gm17	34762837	34762975	Gmdrm	hypo	CHG	-0.05
Gm17	34781781	34781930	Gmdrm	hypo	CHG	-0.6475
Gm17	34782533	34783085	Gmdrm	hypo	CHG	-0.0293
Gm17	34839597	34839703	Gmdrm	hypo	CHG	-0.5938
Gm17	34852152	34852285	Gmdrm	hypo	CHG	-0.33
Gm17	34859257	34859440	Gmdrm	hypo	CHG	-0.1394
Gm17	34894405	34894540	Gmdrm	hypo	CHG	-0.535
Gm17	34895516	34895591	Gmdrm	hypo	CHG	-0.9467
Gm17	34895705	34896041	Gmdrm	hypo	CHG	-0.5592
Gm17	34900148	34900193	Gmdrm	hypo	CHG	-0.35
Gm17	34910945	34911051	Gmdrm	hypo	CHG	-0.8037
Gm17	34911178	34911322	Gmdrm	hypo	CHG	-0.636
Gm17	34914546	34915055	Gmdrm	hypo	CHG	-0.4537
Gm17	34915168	34915381	Gmdrm	hypo	CHG	-0.5443
Gm17	34934207	34934329	Gmdrm	hypo	CHG	-0.1099

Gm17	34972593	34972611	Gmdrm	hypo	CHG	-0.558
Gm17	34990954	34991056	Gmdrm	hypo	CHG	-0.677
Gm17	34991213	34991361	Gmdrm	hypo	CHG	-0.82
Gm17	35016124	35016149	Gmdrm	hypo	CHG	-0.656
Gm17	35020506	35020732	Gmdrm	hypo	CHG	-0.6282
Gm17	35038881	35039065	Gmdrm	hypo	CHG	-0.0428
Gm17	35073236	35073895	Gmdrm	hypo	CHG	-0.1645
Gm17	35074263	35074456	Gmdrm	hypo	CHG	-0.082
Gm17	35115562	35115642	Gmdrm	hypo	CHG	-0.8638
Gm17	35149676	35149835	Gmdrm	hypo	CHG	-0.052
Gm17	35372724	35372847	Gmdrm	hypo	CHG	-0.2581
Gm17	35501648	35501672	Gmdrm	hypo	CHG	-0.146
Gm17	35523755	35523830	Gmdrm	hypo	CHG	-0.1616
Gm17	35529726	35529880	Gmdrm	hypo	CHG	-0.1614
Gm17	35530016	35530257	Gmdrm	hypo	CHG	-0.108
Gm17	35548969	35549406	Gmdrm	hypo	CHG	-0.0576
Gm17	35647175	35647615	Gmdrm	hypo	CHG	-0.5762
Gm17	35650436	35650699	Gmdrm	hypo	CHG	-0.4043
Gm17	35702181	35702484	Gmdrm	hypo	CHG	-0.2173
Gm17	35734973	35735461	Gmdrm	hypo	CHG	-0.4737
Gm17	35735948	35736065	Gmdrm	hypo	CHG	-0.7129
Gm17	35767233	35767309	Gmdrm	hypo	CHG	-0.438
Gm17	35767819	35767899	Gmdrm	hypo	CHG	-0.5587
Gm17	36006372	36006421	Gmdrm	hypo	CHG	-0.7467
Gm17	36031323	36031479	Gmdrm	hypo	CHG	-0.032
Gm17	36035340	36035575	Gmdrm	hypo	CHG	-0.4337
Gm17	36040422	36040480	Gmdrm	hypo	CHG	-0.83
Gm17	36057108	36057255	Gmdrm	hypo	CHG	-0.4071
Gm17	36057392	36057415	Gmdrm	hypo	CHG	-0.6166
Gm17	36070633	36070799	Gmdrm	hypo	CHG	-0.4373
Gm17	36070914	36071351	Gmdrm	hypo	CHG	-0.3923
Gm17	36113687	36114199	Gmdrm	hypo	CHG	-0.0758
Gm17	36141115	36141236	Gmdrm	hypo	CHG	-0.6336
Gm17	36141512	36141589	Gmdrm	hypo	CHG	-0.055
Gm17	36170261	36170511	Gmdrm	hypo	CHG	-0.043
Gm17	36174115	36174144	Gmdrm	hypo	CHG	-0.6334
Gm17	36196110	36196398	Gmdrm	hypo	CHG	-0.4228
Gm17	36196692	36196975	Gmdrm	hypo	CHG	-0.6291
Gm17	36197435	36197776	Gmdrm	hypo	CHG	-0.8068
Gm17	36220573	36220675	Gmdrm	hypo	CHG	-0.806
Gm17	36242179	36242284	Gmdrm	hypo	CHG	-0.478
Gm17	36246083	36246114	Gmdrm	hypo	CHG	-0.8
Gm17	36248815	36249099	Gmdrm	hypo	CHG	-0.8545
Gm17	36249208	36249291	Gmdrm	hypo	CHG	-0.6884
Gm17	36249412	36249678	Gmdrm	hypo	CHG	-0.8158
Gm17	36261815	36262774	Gmdrm	hypo	CHG	-0.1738

Gm17	36272620	36272835	Gmdrm	hypo	CHG	-0.56
Gm17	36289926	36290907	Gmdrm	hypo	CHG	-0.1866
Gm17	36290950	36291056	Gmdrm	hypo	CHG	-0.5618
Gm17	36293663	36293839	Gmdrm	hypo	CHG	-0.0843
Gm17	36297260	36297303	Gmdrm	hypo	CHG	-0.56
Gm17	36302363	36302604	Gmdrm	hypo	CHG	-0.3117
Gm17	36332449	36332681	Gmdrm	hypo	CHG	-0.3928
Gm17	36332864	36333041	Gmdrm	hypo	CHG	-0.41
Gm17	36339489	36339555	Gmdrm	hypo	CHG	-0.216
Gm17	36341454	36341591	Gmdrm	hypo	CHG	-0.4312
Gm17	36341913	36342321	Gmdrm	hypo	CHG	-0.147
Gm17	36357417	36357512	Gmdrm	hypo	CHG	-0.246
Gm17	36378480	36378699	Gmdrm	hypo	CHG	-0.06
Gm17	36382348	36382441	Gmdrm	hypo	CHG	-0.5775
Gm17	36382977	36383098	Gmdrm	hypo	CHG	-0.5429
Gm17	36425680	36425778	Gmdrm	hypo	CHG	-0.7863
Gm17	36428459	36428835	Gmdrm	hypo	CHG	-0.584
Gm17	36430580	36430720	Gmdrm	hypo	CHG	-0.7133
Gm17	36437563	36438044	Gmdrm	hypo	CHG	-0.6715
Gm17	36453318	36453517	Gmdrm	hypo	CHG	-0.0725
Gm17	36469458	36469560	Gmdrm	hypo	CHG	-0.2962
Gm17	36473940	36474233	Gmdrm	hypo	CHG	-0.8288
Gm17	36475058	36475217	Gmdrm	hypo	CHG	-0.42
Gm17	36477022	36477128	Gmdrm	hypo	CHG	-0.595
Gm17	36527661	36527895	Gmdrm	hypo	CHG	-0.7
Gm17	36534766	36534942	Gmdrm	hypo	CHG	-0.4229
Gm17	36537225	36537531	Gmdrm	hypo	CHG	-0.4896
Gm17	36554015	36554028	Gmdrm	hypo	CHG	-0.078
Gm17	36563803	36564038	Gmdrm	hypo	CHG	-0.0825
Gm17	36564286	36564442	Gmdrm	hypo	CHG	-0.27
Gm17	36565971	36566070	Gmdrm	hypo	CHG	-0.5367
Gm17	36566272	36566499	Gmdrm	hypo	CHG	-0.39
Gm17	36569720	36570710	Gmdrm	hypo	CHG	-0.3251
Gm17	36570736	36571659	Gmdrm	hypo	CHG	-0.3819
Gm17	36577401	36577422	Gmdrm	hypo	CHG	-0.06
Gm17	36577750	36578713	Gmdrm	hypo	CHG	-0.1542
Gm17	36578758	36579023	Gmdrm	hypo	CHG	-0.25
Gm17	36579321	36580317	Gmdrm	hypo	CHG	-0.1626
Gm17	36586408	36586938	Gmdrm	hypo	CHG	-0.1269
Gm17	36596628	36596647	Gmdrm	hypo	CHG	-0.046
Gm17	36598940	36599026	Gmdrm	hypo	CHG	-0.481
Gm17	36599139	36599419	Gmdrm	hypo	CHG	-0.3652
Gm17	36599559	36600540	Gmdrm	hypo	CHG	-0.3536
Gm17	36611086	36611125	Gmdrm	hypo	CHG	-0.438
Gm17	36611234	36611350	Gmdrm	hypo	CHG	-0.2317
Gm17	36648305	36648350	Gmdrm	hypo	CHG	-0.2667

Gm17	36648467	36648638	Gmdrm	hypo	CHG	-0.3031
Gm17	36682926	36683040	Gmdrm	hypo	CHG	-0.07
Gm17	36685651	36685691	Gmdrm	hypo	CHG	-0.0986
Gm17	36686086	36686449	Gmdrm	hypo	CHG	-0.1091
Gm17	36690196	36690285	Gmdrm	hypo	CHG	-0.05
Gm17	36707469	36707509	Gmdrm	hypo	CHG	-0.334
Gm17	36708452	36708889	Gmdrm	hypo	CHG	-0.3679
Gm17	36742488	36742679	Gmdrm	hypo	CHG	-0.2978
Gm17	36743448	36743632	Gmdrm	hypo	CHG	-0.5482
Gm17	36747292	36748085	Gmdrm	hypo	CHG	-0.1811
Gm17	36759193	36759471	Gmdrm	hypo	CHG	-0.4891
Gm17	36765407	36765506	Gmdrm	hypo	CHG	-0.32
Gm17	36772122	36772886	Gmdrm	hypo	CHG	-0.2564
Gm17	36805254	36805547	Gmdrm	hypo	CHG	-0.2547
Gm17	36810250	36810401	Gmdrm	hypo	CHG	-0.06
Gm17	36813750	36813890	Gmdrm	hypo	CHG	-0.6
Gm17	36815868	36815984	Gmdrm	hypo	CHG	-0.264
Gm17	36831477	36831695	Gmdrm	hypo	CHG	-0.0567
Gm17	36835345	36835561	Gmdrm	hypo	CHG	-0.3825
Gm17	36856518	36856567	Gmdrm	hypo	CHG	-0.5933
Gm17	36906434	36906869	Gmdrm	hypo	CHG	-0.2919
Gm17	36913039	36913275	Gmdrm	hypo	CHG	-0.06
Gm17	36944012	36944075	Gmdrm	hypo	CHG	-0.8266
Gm17	36948820	36948993	Gmdrm	hypo	CHG	-0.8618
Gm17	36970596	36970626	Gmdrm	hypo	CHG	-0.642
Gm17	36980383	36980796	Gmdrm	hypo	CHG	-0.2307
Gm17	36981611	36981893	Gmdrm	hypo	CHG	-0.404
Gm17	36982844	36983030	Gmdrm	hypo	CHG	-0.5112
Gm17	36993561	36993678	Gmdrm	hypo	CHG	-0.5786
Gm17	37000461	37000597	Gmdrm	hypo	CHG	-0.4789
Gm17	37000718	37000930	Gmdrm	hypo	CHG	-0.0733
Gm17	37032593	37033010	Gmdrm	hypo	CHG	-0.5296
Gm17	37045541	37045789	Gmdrm	hypo	CHG	-0.4807
Gm17	37047963	37048081	Gmdrm	hypo	CHG	-0.521
Gm17	37051067	37051182	Gmdrm	hypo	CHG	-0.5986
Gm17	37063717	37064156	Gmdrm	hypo	CHG	-0.4273
Gm17	37088447	37088573	Gmdrm	hypo	CHG	-0.4169
Gm17	37105773	37105901	Gmdrm	hypo	CHG	-0.6109
Gm17	37112707	37112891	Gmdrm	hypo	CHG	-0.1733
Gm17	37115713	37116251	Gmdrm	hypo	CHG	-0.034
Gm17	37120186	37120442	Gmdrm	hypo	CHG	-0.2064
Gm17	37123721	37123828	Gmdrm	hypo	CHG	-0.32
Gm17	37129817	37129918	Gmdrm	hypo	CHG	-0.05
Gm17	37168967	37169232	Gmdrm	hypo	CHG	-0.0942
Gm17	37170905	37171321	Gmdrm	hypo	CHG	-0.1437
Gm17	37184320	37184407	Gmdrm	hypo	CHG	-0.515

Gm17	37190110	37190407	Gmdrm	hypo	CHG	-0.4465
Gm17	37207516	37207780	Gmdrm	hypo	CHG	-0.32
Gm17	37240217	37240330	Gmdrm	hypo	CHG	-0.0284
Gm17	37242486	37242637	Gmdrm	hypo	CHG	-0.3829
Gm17	37250736	37250786	Gmdrm	hypo	CHG	-0.5366
Gm17	37253984	37254057	Gmdrm	hypo	CHG	-0.716
Gm17	37261752	37261999	Gmdrm	hypo	CHG	-0.455
Gm17	37262126	37262246	Gmdrm	hypo	CHG	-0.83
Gm17	37262809	37262952	Gmdrm	hypo	CHG	-0.4292
Gm17	37266665	37266768	Gmdrm	hypo	CHG	-0.384
Gm17	37300764	37301063	Gmdrm	hypo	CHG	-0.7393
Gm17	37304849	37305288	Gmdrm	hypo	CHG	-0.1319
Gm17	37338571	37338781	Gmdrm	hypo	CHG	-0.8034
Gm17	37349586	37349832	Gmdrm	hypo	CHG	-0.4128
Gm17	37349954	37350061	Gmdrm	hypo	CHG	-0.2383
Gm17	37365287	37365629	Gmdrm	hypo	CHG	-0.041
Gm17	37380018	37380087	Gmdrm	hypo	CHG	-0.2345
Gm17	37380195	37380364	Gmdrm	hypo	CHG	-0.165
Gm17	37387437	37387737	Gmdrm	hypo	CHG	-0.3829
Gm17	37387846	37387998	Gmdrm	hypo	CHG	-0.4543
Gm17	37389642	37389883	Gmdrm	hypo	CHG	-0.3513
Gm17	37393023	37393125	Gmdrm	hypo	CHG	-0.036
Gm17	37393366	37393503	Gmdrm	hypo	CHG	-0.7417
Gm17	37394056	37394154	Gmdrm	hypo	CHG	-0.7737
Gm17	37420136	37420984	Gmdrm	hypo	CHG	-0.32
Gm17	37425676	37425971	Gmdrm	hypo	CHG	-0.0583
Gm17	37428090	37428610	Gmdrm	hypo	CHG	-0.0616
Gm17	37428745	37429288	Gmdrm	hypo	CHG	-0.1495
Gm17	37443587	37443929	Gmdrm	hypo	CHG	-0.065
Gm17	37461831	37461869	Gmdrm	hypo	CHG	-0.5917
Gm17	37471466	37471544	Gmdrm	hypo	CHG	-0.1216
Gm17	37478653	37478680	Gmdrm	hypo	CHG	-0.066
Gm17	37534025	37534337	Gmdrm	hypo	CHG	-0.9459
Gm17	37543879	37544065	Gmdrm	hypo	CHG	-0.5125
Gm17	37571870	37572077	Gmdrm	hypo	CHG	-0.3178
Gm17	37575213	37575333	Gmdrm	hypo	CHG	-0.328
Gm17	37575444	37575540	Gmdrm	hypo	CHG	-0.5567
Gm17	37575861	37575972	Gmdrm	hypo	CHG	-0.4889
Gm17	37576974	37577217	Gmdrm	hypo	CHG	-0.7212
Gm17	37589117	37589156	Gmdrm	hypo	CHG	-0.1067
Gm17	37591453	37591700	Gmdrm	hypo	CHG	-0.1638
Gm17	37633996	37634192	Gmdrm	hypo	CHG	-0.6275
Gm17	37634322	37634441	Gmdrm	hypo	CHG	-0.702
Gm17	37638896	37638969	Gmdrm	hypo	CHG	-0.4416
Gm17	37639665	37639695	Gmdrm	hypo	CHG	-0.755
Gm17	37640160	37640395	Gmdrm	hypo	CHG	-0.855

Gm17	37644675	37644832	Gmdrm	hypo	CHG	-0.442
Gm17	37651355	37651399	Gmdrm	hypo	CHG	-0.2689
Gm17	37672233	37672511	Gmdrm	hypo	CHG	-0.3892
Gm17	37710917	37711042	Gmdrm	hypo	CHG	-0.4689
Gm17	37711474	37711558	Gmdrm	hypo	CHG	-0.4266
Gm17	37717752	37717890	Gmdrm	hypo	CHG	-0.1058
Gm17	37718885	37719200	Gmdrm	hypo	CHG	-0.495
Gm17	37732020	37732194	Gmdrm	hypo	CHG	-0.599
Gm17	37732884	37733497	Gmdrm	hypo	CHG	-0.5384
Gm17	37733619	37733759	Gmdrm	hypo	CHG	-0.9264
Gm17	37755271	37755382	Gmdrm	hypo	CHG	-0.3945
Gm17	37759940	37759999	Gmdrm	hypo	CHG	-0.4384
Gm17	37764729	37764980	Gmdrm	hypo	CHG	-0.648
Gm17	37779302	37779904	Gmdrm	hypo	CHG	-0.33
Gm17	37780421	37780719	Gmdrm	hypo	CHG	-0.2731
Gm17	37823711	37824054	Gmdrm	hypo	CHG	-0.6888
Gm17	37825021	37825364	Gmdrm	hypo	CHG	-0.6888
Gm17	37826777	37827125	Gmdrm	hypo	CHG	-0.259
Gm17	37828468	37828683	Gmdrm	hypo	CHG	-0.4086
Gm17	37833144	37833293	Gmdrm	hypo	CHG	-0.036
Gm17	37859824	37860152	Gmdrm	hypo	CHG	-0.3485
Gm17	37873947	37874267	Gmdrm	hypo	CHG	-0.2357
Gm17	37884908	37885036	Gmdrm	hypo	CHG	-0.7233
Gm17	37889601	37889738	Gmdrm	hypo	CHG	-0.6062
Gm17	37889889	37890173	Gmdrm	hypo	CHG	-0.3253
Gm17	37890575	37890765	Gmdrm	hypo	CHG	-0.705
Gm17	37904718	37904878	Gmdrm	hypo	CHG	-0.7644
Gm17	37905399	37905448	Gmdrm	hypo	CHG	-0.7483
Gm17	37908757	37908769	Gmdrm	hypo	CHG	-0.6983
Gm17	37939676	37940200	Gmdrm	hypo	CHG	-0.03
Gm17	37943417	37943435	Gmdrm	hypo	CHG	-0.042
Gm17	37946828	37947017	Gmdrm	hypo	CHG	-0.4333
Gm17	37950114	37950153	Gmdrm	hypo	CHG	-0.865
Gm17	37961179	37961356	Gmdrm	hypo	CHG	-0.0617
Gm17	37991255	37991386	Gmdrm	hypo	CHG	-0.275
Gm17	38001168	38001231	Gmdrm	hypo	CHG	-0.045
Gm17	38003380	38004191	Gmdrm	hypo	CHG	-0.0762
Gm17	38007165	38007202	Gmdrm	hypo	CHG	-0.0386
Gm17	38016514	38017496	Gmdrm	hypo	CHG	-0.2214
Gm17	38075510	38075682	Gmdrm	hypo	CHG	-0.6043
Gm17	38097018	38097337	Gmdrm	hypo	CHG	-0.5038
Gm17	38097503	38097712	Gmdrm	hypo	CHG	-0.5144
Gm17	38098435	38098601	Gmdrm	hypo	CHG	-0.8557
Gm17	38100711	38101245	Gmdrm	hypo	CHG	-0.4708
Gm17	38103051	38103445	Gmdrm	hypo	CHG	-0.4059
Gm17	38106148	38106333	Gmdrm	hypo	CHG	-0.0522

Gm17	38111775	38111996	Gmdrm	hypo	CHG	-0.8053
Gm17	38122516	38122725	Gmdrm	hypo	CHG	-0.3257
Gm17	38122859	38122892	Gmdrm	hypo	CHG	-0.67
Gm17	38128396	38128723	Gmdrm	hypo	CHG	-0.5368
Gm17	38129892	38129990	Gmdrm	hypo	CHG	-0.1667
Gm17	38141212	38141380	Gmdrm	hypo	CHG	-0.04
Gm17	38147118	38147164	Gmdrm	hypo	CHG	-0.326
Gm17	38159857	38159915	Gmdrm	hypo	CHG	-0.0866
Gm17	38160240	38160323	Gmdrm	hypo	CHG	-0.348
Gm17	38165514	38165678	Gmdrm	hypo	CHG	-0.2963
Gm17	38185206	38185584	Gmdrm	hypo	CHG	-0.6818
Gm17	38205834	38205857	Gmdrm	hypo	CHG	-0.246
Gm17	38207585	38207743	Gmdrm	hypo	CHG	-0.2928
Gm17	38208658	38208964	Gmdrm	hypo	CHG	-0.5622
Gm17	38226514	38226625	Gmdrm	hypo	CHG	-0.1562
Gm17	38243781	38243925	Gmdrm	hypo	CHG	-0.9057
Gm17	38244278	38244331	Gmdrm	hypo	CHG	-0.96
Gm17	38244434	38245209	Gmdrm	hypo	CHG	-0.8094
Gm17	38245526	38245548	Gmdrm	hypo	CHG	-0.758
Gm17	38246924	38247910	Gmdrm	hypo	CHG	-0.3094
Gm17	38247932	38248223	Gmdrm	hypo	CHG	-0.5179
Gm17	38248361	38249018	Gmdrm	hypo	CHG	-0.208
Gm17	38255590	38255703	Gmdrm	hypo	CHG	-0.5417
Gm17	38256157	38256217	Gmdrm	hypo	CHG	-0.8467
Gm17	38256334	38256405	Gmdrm	hypo	CHG	-0.6917
Gm17	38267732	38267903	Gmdrm	hypo	CHG	-0.0286
Gm17	38275004	38275453	Gmdrm	hypo	CHG	-0.0611
Gm17	38300499	38300670	Gmdrm	hypo	CHG	-0.6911
Gm17	38301623	38301765	Gmdrm	hypo	CHG	-0.6955
Gm17	38310508	38310876	Gmdrm	hypo	CHG	-0.0256
Gm17	38318685	38318848	Gmdrm	hypo	CHG	-0.05
Gm17	38331393	38331618	Gmdrm	hypo	CHG	-0.631
Gm17	38333715	38333824	Gmdrm	hypo	CHG	-0.7133
Gm17	38335247	38335436	Gmdrm	hypo	CHG	-0.6946
Gm17	38335823	38335974	Gmdrm	hypo	CHG	-0.784
Gm17	38346216	38346335	Gmdrm	hypo	CHG	-0.6266
Gm17	38347238	38347347	Gmdrm	hypo	CHG	-0.6987
Gm17	38347507	38347555	Gmdrm	hypo	CHG	-0.9517
Gm17	38352462	38352687	Gmdrm	hypo	CHG	-0.4357
Gm17	38378794	38378947	Gmdrm	hypo	CHG	-0.0267
Gm17	38382920	38383390	Gmdrm	hypo	CHG	-0.3784
Gm17	38396238	38396317	Gmdrm	hypo	CHG	-0.048
Gm17	38407239	38407750	Gmdrm	hypo	CHG	-0.8595
Gm17	38409938	38410237	Gmdrm	hypo	CHG	-0.5157
Gm17	38427739	38427889	Gmdrm	hypo	CHG	-0.0514
Gm17	38428598	38428698	Gmdrm	hypo	CHG	-0.48

Gm17	38457986	38458386	Gmdrm	hypo	CHG	-0.4232
Gm17	38458487	38458865	Gmdrm	hypo	CHG	-0.1156
Gm17	38461000	38461086	Gmdrm	hypo	CHG	-0.12
Gm17	38461710	38461984	Gmdrm	hypo	CHG	-0.3986
Gm17	38473359	38473705	Gmdrm	hypo	CHG	-0.5569
Gm17	38480485	38480619	Gmdrm	hypo	CHG	-0.4155
Gm17	38483461	38483662	Gmdrm	hypo	CHG	-0.4183
Gm17	38483805	38484040	Gmdrm	hypo	CHG	-0.5829
Gm17	38484168	38484244	Gmdrm	hypo	CHG	-0.4954
Gm17	38549080	38549401	Gmdrm	hypo	CHG	-0.4008
Gm17	38561413	38561815	Gmdrm	hypo	CHG	-0.3657
Gm17	38569250	38569492	Gmdrm	hypo	CHG	-0.0387
Gm17	38570249	38570670	Gmdrm	hypo	CHG	-0.2433
Gm17	38581465	38581645	Gmdrm	hypo	CHG	-0.73
Gm17	38588618	38589148	Gmdrm	hypo	CHG	-0.182
Gm17	38593626	38593809	Gmdrm	hypo	CHG	-0.0373
Gm17	38595081	38595614	Gmdrm	hypo	CHG	-0.0939
Gm17	38596680	38596918	Gmdrm	hypo	CHG	-0.1492
Gm17	38601574	38601633	Gmdrm	hypo	CHG	-0.698
Gm17	38602085	38602300	Gmdrm	hypo	CHG	-0.4706
Gm17	38624178	38624935	Gmdrm	hypo	CHG	-0.2016
Gm17	38625059	38625976	Gmdrm	hypo	CHG	-0.3363
Gm17	38633793	38633988	Gmdrm	hypo	CHG	-0.835
Gm17	38634936	38635347	Gmdrm	hypo	CHG	-0.7105
Gm17	38645592	38645633	Gmdrm	hypo	CHG	-0.434
Gm17	38662662	38662786	Gmdrm	hypo	CHG	-0.18
Gm17	38680324	38680480	Gmdrm	hypo	CHG	-0.6516
Gm17	38680783	38680946	Gmdrm	hypo	CHG	-0.6434
Gm17	38683980	38684114	Gmdrm	hypo	CHG	-0.7614
Gm17	38684675	38684797	Gmdrm	hypo	CHG	-0.8038
Gm17	38702737	38703077	Gmdrm	hypo	CHG	-0.0678
Gm17	38706432	38706735	Gmdrm	hypo	CHG	-0.1977
Gm17	38709117	38709299	Gmdrm	hypo	CHG	-0.449
Gm17	38709401	38709878	Gmdrm	hypo	CHG	-0.3158
Gm17	38715027	38715098	Gmdrm	hypo	CHG	-0.5816
Gm17	38728160	38728451	Gmdrm	hypo	CHG	-0.36
Gm17	38738343	38739281	Gmdrm	hypo	CHG	-0.0937
Gm17	38765201	38765280	Gmdrm	hypo	CHG	-0.4377
Gm17	38779086	38779571	Gmdrm	hypo	CHG	-0.054
Gm17	38792286	38792592	Gmdrm	hypo	CHG	-0.5033
Gm17	38799898	38799981	Gmdrm	hypo	CHG	-0.5767
Gm17	38807757	38807952	Gmdrm	hypo	CHG	-0.6708
Gm17	38808075	38808215	Gmdrm	hypo	CHG	-0.5607
Gm17	38808825	38809146	Gmdrm	hypo	CHG	-0.3686
Gm17	38811054	38811153	Gmdrm	hypo	CHG	-0.8129
Gm17	38824369	38824401	Gmdrm	hypo	CHG	-0.9567

Gm17	38842771	38842826	Gmdrm	hypo	CHG	-0.674
Gm17	38862938	38863004	Gmdrm	hypo	CHG	-0.3883
Gm17	38874533	38875475	Gmdrm	hypo	CHG	-0.1723
Gm17	38926765	38926864	Gmdrm	hypo	CHG	-0.432
Gm17	38927007	38927045	Gmdrm	hypo	CHG	-0.5833
Gm17	38927523	38927648	Gmdrm	hypo	CHG	-0.59
Gm17	38927914	38927938	Gmdrm	hypo	CHG	-0.8983
Gm17	38928100	38928372	Gmdrm	hypo	CHG	-0.394
Gm17	38937699	38937877	Gmdrm	hypo	CHG	-0.1973
Gm17	38942403	38942711	Gmdrm	hypo	CHG	-0.1089
Gm17	38962130	38962253	Gmdrm	hypo	CHG	-0.562
Gm17	38971813	38972030	Gmdrm	hypo	CHG	-0.0858
Gm17	38973338	38973457	Gmdrm	hypo	CHG	-0.41
Gm17	39002816	39002914	Gmdrm	hypo	CHG	-0.046
Gm17	39003372	39003446	Gmdrm	hypo	CHG	-0.652
Gm17	39039769	39039942	Gmdrm	hypo	CHG	-0.0367
Gm17	39042192	39042383	Gmdrm	hypo	CHG	-0.612
Gm17	39078858	39078941	Gmdrm	hypo	CHG	-0.4588
Gm17	39079110	39079611	Gmdrm	hypo	CHG	-0.085
Gm17	39136274	39136596	Gmdrm	hypo	CHG	-0.028
Gm17	39153499	39153765	Gmdrm	hypo	CHG	-0.376
Gm17	39153898	39154186	Gmdrm	hypo	CHG	-0.2783
Gm17	39157515	39158162	Gmdrm	hypo	CHG	-0.2809
Gm17	39158627	39158833	Gmdrm	hypo	CHG	-0.605
Gm17	39159100	39159138	Gmdrm	hypo	CHG	-0.5
Gm17	39178868	39179202	Gmdrm	hypo	CHG	-0.0211
Gm17	39185166	39185236	Gmdrm	hypo	CHG	-0.777
Gm17	39185587	39185730	Gmdrm	hypo	CHG	-0.4172
Gm17	39192619	39192758	Gmdrm	hypo	CHG	-0.05
Gm17	39199258	39199310	Gmdrm	hypo	CHG	-0.456
Gm17	39234181	39234482	Gmdrm	hypo	CHG	-0.5728
Gm17	39246919	39246959	Gmdrm	hypo	CHG	-0.796
Gm17	39274372	39274489	Gmdrm	hypo	CHG	-0.5714
Gm17	39281915	39282065	Gmdrm	hypo	CHG	-0.2025
Gm17	39282537	39282671	Gmdrm	hypo	CHG	-0.088
Gm17	39296624	39296705	Gmdrm	hypo	CHG	-0.652
Gm17	39297242	39297456	Gmdrm	hypo	CHG	-0.5491
Gm17	39300345	39300547	Gmdrm	hypo	CHG	-0.5743
Gm17	39316022	39316087	Gmdrm	hypo	CHG	-0.165
Gm17	39328228	39328389	Gmdrm	hypo	CHG	-0.0467
Gm17	39334234	39334652	Gmdrm	hypo	CHG	-0.5455
Gm17	39335025	39335148	Gmdrm	hypo	CHG	-0.73
Gm17	39335504	39335696	Gmdrm	hypo	CHG	-0.5073
Gm17	39337398	39337931	Gmdrm	hypo	CHG	-0.2857
Gm17	39338341	39339333	Gmdrm	hypo	CHG	-0.5259
Gm17	39342140	39342335	Gmdrm	hypo	CHG	-0.562

Gm17	39349919	39350027	Gmdrm	hypo	CHG	-0.5333
Gm17	39350651	39350797	Gmdrm	hypo	CHG	-0.4433
Gm17	39352470	39352494	Gmdrm	hypo	CHG	-0.481
Gm17	39380312	39380381	Gmdrm	hypo	CHG	-0.26
Gm17	39386163	39386534	Gmdrm	hypo	CHG	-0.0436
Gm17	39386921	39387138	Gmdrm	hypo	CHG	-0.6136
Gm17	39387588	39387897	Gmdrm	hypo	CHG	-0.2128
Gm17	39390292	39390426	Gmdrm	hypo	CHG	-0.23
Gm17	39390636	39390685	Gmdrm	hypo	CHG	-0.3933
Gm17	39410740	39410791	Gmdrm	hypo	CHG	-0.488
Gm17	39420886	39420971	Gmdrm	hypo	CHG	-0.77
Gm17	39421291	39421393	Gmdrm	hypo	CHG	-0.8975
Gm17	39421546	39421616	Gmdrm	hypo	CHG	-0.9016
Gm17	39437637	39437920	Gmdrm	hypo	CHG	-0.6422
Gm17	39443056	39443230	Gmdrm	hypo	CHG	-0.719
Gm17	39450232	39450333	Gmdrm	hypo	CHG	-0.0516
Gm17	39454269	39454572	Gmdrm	hypo	CHG	-0.505
Gm17	39454712	39454982	Gmdrm	hypo	CHG	-0.53
Gm17	39455210	39455279	Gmdrm	hypo	CHG	-0.484
Gm17	39456812	39457035	Gmdrm	hypo	CHG	-0.767
Gm17	39465785	39466421	Gmdrm	hypo	CHG	-0.8594
Gm17	39473114	39473150	Gmdrm	hypo	CHG	-0.1783
Gm17	39481147	39481245	Gmdrm	hypo	CHG	-0.088
Gm17	39481584	39481759	Gmdrm	hypo	CHG	-0.275
Gm17	39494908	39495279	Gmdrm	hypo	CHG	-0.7431
Gm17	39502926	39503087	Gmdrm	hypo	CHG	-0.3622
Gm17	39503188	39503327	Gmdrm	hypo	CHG	-0.6613
Gm17	39503654	39503916	Gmdrm	hypo	CHG	-0.745
Gm17	39512324	39512505	Gmdrm	hypo	CHG	-0.045
Gm17	39528795	39528894	Gmdrm	hypo	CHG	-0.0817
Gm17	39551644	39551995	Gmdrm	hypo	CHG	-0.38
Gm17	39560949	39561020	Gmdrm	hypo	CHG	-0.7986
Gm17	39593074	39593289	Gmdrm	hypo	CHG	-0.4157
Gm17	39638758	39639118	Gmdrm	hypo	CHG	-0.086
Gm17	39641107	39641296	Gmdrm	hypo	CHG	-0.088
Gm17	39661423	39661641	Gmdrm	hypo	CHG	-0.5786
Gm17	39663826	39663894	Gmdrm	hypo	CHG	-0.1617
Gm17	39671031	39671087	Gmdrm	hypo	CHG	-0.362
Gm17	39671480	39671569	Gmdrm	hypo	CHG	-0.548
Gm17	39678508	39678761	Gmdrm	hypo	CHG	-0.0386
Gm17	39686417	39686448	Gmdrm	hypo	CHG	-0.188
Gm17	39691922	39692019	Gmdrm	hypo	CHG	-0.6683
Gm17	39712496	39712602	Gmdrm	hypo	CHG	-0.929
Gm17	39712927	39713295	Gmdrm	hypo	CHG	-0.8013
Gm17	39717707	39717890	Gmdrm	hypo	CHG	-0.3255
Gm17	39722621	39722740	Gmdrm	hypo	CHG	-0.0628

Gm17	39725391	39725565	Gmdrm	hypo	CHG	-0.5866
Gm17	39755834	39755990	Gmdrm	hypo	CHG	-0.4486
Gm17	39756091	39757034	Gmdrm	hypo	CHG	-0.4863
Gm17	39772349	39772494	Gmdrm	hypo	CHG	-0.1228
Gm17	39772838	39772876	Gmdrm	hypo	CHG	-0.024
Gm17	39777127	39777510	Gmdrm	hypo	CHG	-0.778
Gm17	39790124	39790446	Gmdrm	hypo	CHG	-0.3986
Gm17	39820872	39820921	Gmdrm	hypo	CHG	-0.428
Gm17	39843330	39844021	Gmdrm	hypo	CHG	-0.194
Gm17	39844145	39844325	Gmdrm	hypo	CHG	-0.4785
Gm17	39863658	39863791	Gmdrm	hypo	CHG	-0.0554
Gm17	39866153	39866298	Gmdrm	hypo	CHG	-0.054
Gm17	39878513	39878691	Gmdrm	hypo	CHG	-0.759
Gm17	39878928	39879050	Gmdrm	hypo	CHG	-0.0562
Gm17	39881502	39881551	Gmdrm	hypo	CHG	-0.7614
Gm17	39896426	39896530	Gmdrm	hypo	CHG	-0.8355
Gm17	39896783	39897006	Gmdrm	hypo	CHG	-0.6753
Gm17	39902093	39902226	Gmdrm	hypo	CHG	-0.3409
Gm17	39902496	39902733	Gmdrm	hypo	CHG	-0.5023
Gm17	39941510	39941768	Gmdrm	hypo	CHG	-0.7173
Gm17	39978483	39978631	Gmdrm	hypo	CHG	-0.0484
Gm17	39990692	39990823	Gmdrm	hypo	CHG	-0.5483
Gm17	40024508	40024633	Gmdrm	hypo	CHG	-0.0333
Gm17	40027814	40027849	Gmdrm	hypo	CHG	-0.4589
Gm17	40050842	40050856	Gmdrm	hypo	CHG	-0.122
Gm17	40073578	40073654	Gmdrm	hypo	CHG	-0.202
Gm17	40090533	40090615	Gmdrm	hypo	CHG	-0.052
Gm17	40109807	40109967	Gmdrm	hypo	CHG	-0.23
Gm17	40119138	40119228	Gmdrm	hypo	CHG	-0.5571
Gm17	40120133	40120326	Gmdrm	hypo	CHG	-0.5232
Gm17	40141698	40141864	Gmdrm	hypo	CHG	-0.5286
Gm17	40154663	40154843	Gmdrm	hypo	CHG	-0.06
Gm17	40175217	40175335	Gmdrm	hypo	CHG	-0.042
Gm17	40195026	40195182	Gmdrm	hypo	CHG	-0.598
Gm17	40208540	40208759	Gmdrm	hypo	CHG	-0.4726
Gm17	40208870	40209065	Gmdrm	hypo	CHG	-0.613
Gm17	40214021	40214233	Gmdrm	hypo	CHG	-0.0467
Gm17	40225600	40225809	Gmdrm	hypo	CHG	-0.3164
Gm17	40237977	40238203	Gmdrm	hypo	CHG	-0.038
Gm17	40274350	40274544	Gmdrm	hypo	CHG	-0.045
Gm17	40296689	40296929	Gmdrm	hypo	CHG	-0.4129
Gm17	40320437	40320650	Gmdrm	hypo	CHG	-0.5155
Gm17	40322925	40323145	Gmdrm	hypo	CHG	-0.42
Gm17	40339617	40339757	Gmdrm	hypo	CHG	-0.5967
Gm17	40340374	40340487	Gmdrm	hypo	CHG	-0.7588
Gm17	40340641	40340734	Gmdrm	hypo	CHG	-0.645

Gm17	40353834	40354038 Gmdrm	hypo	CHG	-0.049
Gm17	40366094	40366245 Gmdrm	hypo	CHG	-0.6088
Gm17	40366544	40366749 Gmdrm	hypo	CHG	-0.6625
Gm17	40367114	40367274 Gmdrm	hypo	CHG	-0.5921
Gm17	40369677	40370051 Gmdrm	hypo	CHG	-0.3942
Gm17	40370155	40370910 Gmdrm	hypo	CHG	-0.3566
Gm17	40400746	40400884 Gmdrm	hypo	CHG	-0.6837
Gm17	40401088	40401640 Gmdrm	hypo	CHG	-0.1657
Gm17	40421473	40421572 Gmdrm	hypo	CHG	-0.4533
Gm17	40438832	40438981 Gmdrm	hypo	CHG	-0.7608
Gm17	40443538	40443620 Gmdrm	hypo	CHG	-0.718
Gm17	40448631	40448885 Gmdrm	hypo	CHG	-0.5644
Gm17	40450135	40450273 Gmdrm	hypo	CHG	-0.632
Gm17	40451777	40451964 Gmdrm	hypo	CHG	-0.0614
Gm17	40475767	40476044 Gmdrm	hypo	CHG	-0.0256
Gm17	40486517	40486635 Gmdrm	hypo	CHG	-0.6511
Gm17	40491250	40491660 Gmdrm	hypo	CHG	-0.1582
Gm17	40491766	40491969 Gmdrm	hypo	CHG	-0.7657
Gm17	40492159	40492350 Gmdrm	hypo	CHG	-0.18
Gm17	40492619	40492736 Gmdrm	hypo	CHG	-0.6114
Gm17	40499655	40500047 Gmdrm	hypo	CHG	-0.6483
Gm17	40500250	40500351 Gmdrm	hypo	CHG	-0.43
Gm17	40500482	40500660 Gmdrm	hypo	CHG	-0.4842
Gm17	40501069	40501564 Gmdrm	hypo	CHG	-0.1776
Gm17	40510771	40511020 Gmdrm	hypo	CHG	-0.8992
Gm17	40529858	40530018 Gmdrm	hypo	CHG	-0.052
Gm17	40554584	40554880 Gmdrm	hypo	CHG	-0.6525
Gm17	40555457	40555685 Gmdrm	hypo	CHG	-0.6523
Gm17	40556072	40556195 Gmdrm	hypo	CHG	-0.15
Gm17	40564159	40564249 Gmdrm	hypo	CHG	-0.538
Gm17	40564891	40564997 Gmdrm	hypo	CHG	-0.168
Gm17	40565194	40565315 Gmdrm	hypo	CHG	-0.57
Gm17	40565553	40565600 Gmdrm	hypo	CHG	-0.408
Gm17	40566445	40566523 Gmdrm	hypo	CHG	-0.548
Gm17	40594320	40594655 Gmdrm	hypo	CHG	-0.0505
Gm17	40600207	40600231 Gmdrm	hypo	CHG	-0.4
Gm17	40600719	40601133 Gmdrm	hypo	CHG	-0.7814
Gm17	40616555	40616834 Gmdrm	hypo	CHG	-0.2075
Gm17	40628035	40628252 Gmdrm	hypo	CHG	-0.4217
Gm17	40657940	40658409 Gmdrm	hypo	CHG	-0.043
Gm17	40663681	40663962 Gmdrm	hypo	CHG	-0.05
Gm17	40670008	40670068 Gmdrm	hypo	CHG	-0.1789
Gm17	40681196	40681329 Gmdrm	hypo	CHG	-0.038
Gm17	40683010	40683402 Gmdrm	hypo	CHG	-0.0367
Gm17	40705729	40705836 Gmdrm	hypo	CHG	-0.5929
Gm17	40710424	40710494 Gmdrm	hypo	CHG	-0.522

Gm17	40722140	40722492	Gmdrm	hypo	CHG	-0.0483
Gm17	40732248	40732407	Gmdrm	hypo	CHG	-0.6163
Gm17	40733961	40734178	Gmdrm	hypo	CHG	-0.1315
Gm17	40750164	40750336	Gmdrm	hypo	CHG	-0.835
Gm17	40756279	40756502	Gmdrm	hypo	CHG	-0.0236
Gm17	40757177	40757319	Gmdrm	hypo	CHG	-0.05
Gm17	40757715	40757850	Gmdrm	hypo	CHG	-0.06
Gm17	40764846	40764996	Gmdrm	hypo	CHG	-0.6434
Gm17	40765114	40765738	Gmdrm	hypo	CHG	-0.18
Gm17	40766964	40767109	Gmdrm	hypo	CHG	-0.3286
Gm17	40767520	40767754	Gmdrm	hypo	CHG	-0.6526
Gm17	40769973	40770146	Gmdrm	hypo	CHG	-0.495
Gm17	40770413	40770597	Gmdrm	hypo	CHG	-0.6675
Gm17	40787327	40787451	Gmdrm	hypo	CHG	-0.2435
Gm17	40789429	40789594	Gmdrm	hypo	CHG	-0.6908
Gm17	40791306	40791542	Gmdrm	hypo	CHG	-0.725
Gm17	40791970	40792175	Gmdrm	hypo	CHG	-0.9108
Gm17	40792333	40792394	Gmdrm	hypo	CHG	-0.915
Gm17	40792564	40792675	Gmdrm	hypo	CHG	-0.82
Gm17	40792917	40793024	Gmdrm	hypo	CHG	-0.0483
Gm17	40798045	40798203	Gmdrm	hypo	CHG	-0.6533
Gm17	40809165	40809504	Gmdrm	hypo	CHG	-0.0864
Gm17	40813176	40813280	Gmdrm	hypo	CHG	-0.06
Gm17	40833980	40834202	Gmdrm	hypo	CHG	-0.427
Gm17	40859998	40860166	Gmdrm	hypo	CHG	-0.0756
Gm17	40874760	40874862	Gmdrm	hypo	CHG	-0.776
Gm17	40875532	40875640	Gmdrm	hypo	CHG	-0.669
Gm17	40906534	40906775	Gmdrm	hypo	CHG	-0.532
Gm17	40906974	40907136	Gmdrm	hypo	CHG	-0.8934
Gm17	40917562	40917700	Gmdrm	hypo	CHG	-0.05
Gm17	40937950	40938134	Gmdrm	hypo	CHG	-0.038
Gm17	40938918	40939078	Gmdrm	hypo	CHG	-0.608
Gm17	40941154	40941179	Gmdrm	hypo	CHG	-0.4484
Gm17	40953571	40953815	Gmdrm	hypo	CHG	-0.0925
Gm17	40953938	40953962	Gmdrm	hypo	CHG	-0.266
Gm17	40954082	40954248	Gmdrm	hypo	CHG	-0.2743
Gm17	40954492	40954506	Gmdrm	hypo	CHG	-0.164
Gm17	40956050	40956341	Gmdrm	hypo	CHG	-0.1355
Gm17	40959591	40960335	Gmdrm	hypo	CHG	-0.2946
Gm17	40960949	40961111	Gmdrm	hypo	CHG	-0.57
Gm17	40997768	40997868	Gmdrm	hypo	CHG	-0.5883
Gm17	40998138	40998200	Gmdrm	hypo	CHG	-0.835
Gm17	40998378	40998445	Gmdrm	hypo	CHG	-0.676
Gm17	40999523	40999747	Gmdrm	hypo	CHG	-0.665
Gm17	41000458	41000702	Gmdrm	hypo	CHG	-0.044
Gm17	41005277	41005352	Gmdrm	hypo	CHG	-0.032

Gm17	41021542	41021692	Gmdrm	hypo	CHG	-0.8222
Gm17	41038673	41038902	Gmdrm	hypo	CHG	-0.2627
Gm17	41039289	41039570	Gmdrm	hypo	CHG	-0.7036
Gm17	41039771	41039818	Gmdrm	hypo	CHG	-0.036
Gm17	41054363	41054784	Gmdrm	hypo	CHG	-0.0989
Gm17	41088014	41088368	Gmdrm	hypo	CHG	-0.0569
Gm17	41094153	41094259	Gmdrm	hypo	CHG	-0.745
Gm17	41096713	41096838	Gmdrm	hypo	CHG	-0.6136
Gm17	41097341	41097396	Gmdrm	hypo	CHG	-0.564
Gm17	41117315	41117374	Gmdrm	hypo	CHG	-0.2816
Gm17	41119978	41120013	Gmdrm	hypo	CHG	-0.7567
Gm17	41135157	41135426	Gmdrm	hypo	CHG	-0.0423
Gm17	41139729	41139803	Gmdrm	hypo	CHG	-0.064
Gm17	41151068	41151148	Gmdrm	hypo	CHG	-0.415
Gm17	41151252	41151885	Gmdrm	hypo	CHG	-0.5557
Gm17	41165600	41165798	Gmdrm	hypo	CHG	-0.422
Gm17	41187812	41187874	Gmdrm	hypo	CHG	-0.7317
Gm17	41197608	41197735	Gmdrm	hypo	CHG	-0.412
Gm17	41205785	41205846	Gmdrm	hypo	CHG	-0.6767
Gm17	41206012	41206049	Gmdrm	hypo	CHG	-0.364
Gm17	41221788	41222068	Gmdrm	hypo	CHG	-0.04
Gm17	41228125	41228448	Gmdrm	hypo	CHG	-0.4687
Gm17	41231126	41231243	Gmdrm	hypo	CHG	-0.556
Gm17	41235938	41236165	Gmdrm	hypo	CHG	-0.3908
Gm17	41291292	41291428	Gmdrm	hypo	CHG	-0.148
Gm17	41299282	41299588	Gmdrm	hypo	CHG	-0.0458
Gm17	41307046	41307181	Gmdrm	hypo	CHG	-0.5043
Gm17	41307395	41307578	Gmdrm	hypo	CHG	-0.725
Gm17	41317344	41317456	Gmdrm	hypo	CHG	-0.382
Gm17	41318706	41318863	Gmdrm	hypo	CHG	-0.7528
Gm17	41321657	41322052	Gmdrm	hypo	CHG	-0.5083
Gm17	41322287	41322528	Gmdrm	hypo	CHG	-0.5983
Gm17	41338176	41338441	Gmdrm	hypo	CHG	-0.3127
Gm17	41362487	41362696	Gmdrm	hypo	CHG	-0.2978
Gm17	41371908	41372027	Gmdrm	hypo	CHG	-0.4833
Gm17	41372237	41372495	Gmdrm	hypo	CHG	-0.2661
Gm17	41389106	41389424	Gmdrm	hypo	CHG	-0.03
Gm17	41406654	41406781	Gmdrm	hypo	CHG	-0.086
Gm17	41431405	41431481	Gmdrm	hypo	CHG	-0.124
Gm17	41432642	41433071	Gmdrm	hypo	CHG	-0.0556
Gm17	41434350	41434600	Gmdrm	hypo	CHG	-0.3912
Gm17	41434757	41435167	Gmdrm	hypo	CHG	-0.2148
Gm17	41440350	41440660	Gmdrm	hypo	CHG	-0.0423
Gm17	41451875	41451965	Gmdrm	hypo	CHG	-0.4533
Gm17	41452130	41452269	Gmdrm	hypo	CHG	-0.6012
Gm17	41503585	41503842	Gmdrm	hypo	CHG	-0.7562

Gm17	41504861	41505161	Gmdrm	hypo	CHG	-0.3568
Gm17	41505418	41505744	Gmdrm	hypo	CHG	-0.4824
Gm17	41517930	41518184	Gmdrm	hypo	CHG	-0.3978
Gm17	41519029	41519438	Gmdrm	hypo	CHG	-0.2019
Gm17	41521578	41521793	Gmdrm	hypo	CHG	-0.0366
Gm17	41530794	41530965	Gmdrm	hypo	CHG	-0.046
Gm17	41540753	41540787	Gmdrm	hypo	CHG	-0.1167
Gm17	41579039	41579168	Gmdrm	hypo	CHG	-0.38
Gm17	41579340	41579405	Gmdrm	hypo	CHG	-0.2767
Gm17	41584848	41584910	Gmdrm	hypo	CHG	-0.7733
Gm17	41585157	41585243	Gmdrm	hypo	CHG	-0.8117
Gm17	41585723	41586018	Gmdrm	hypo	CHG	-0.6048
Gm17	41586714	41586809	Gmdrm	hypo	CHG	-0.662
Gm17	41592462	41592496	Gmdrm	hypo	CHG	-0.06
Gm17	41653843	41654112	Gmdrm	hypo	CHG	-0.4745
Gm17	41654399	41654583	Gmdrm	hypo	CHG	-0.8834
Gm17	41662988	41663186	Gmdrm	hypo	CHG	-0.03
Gm17	41675740	41675867	Gmdrm	hypo	CHG	-0.5144
Gm17	41677910	41678584	Gmdrm	hypo	CHG	-0.316
Gm17	41689443	41689651	Gmdrm	hypo	CHG	-0.2455
Gm17	41689771	41689916	Gmdrm	hypo	CHG	-0.374
Gm17	41699206	41699362	Gmdrm	hypo	CHG	-0.0417
Gm17	41702520	41702901	Gmdrm	hypo	CHG	-0.2309
Gm17	41707852	41707905	Gmdrm	hypo	CHG	-0.2034
Gm17	41708263	41708351	Gmdrm	hypo	CHG	-0.734
Gm17	41714122	41714203	Gmdrm	hypo	CHG	-0.544
Gm18	5176	5278	Gmdrm	hypo	CHG	-0.0567
Gm18	10314	10489	Gmdrm	hypo	CHG	-0.2078
Gm18	13116	13943	Gmdrm	hypo	CHG	-0.3594
Gm18	14071	15052	Gmdrm	hypo	CHG	-0.4002
Gm18	15102	15663	Gmdrm	hypo	CHG	-0.0978
Gm18	22334	23279	Gmdrm	hypo	CHG	-0.2093
Gm18	23359	23703	Gmdrm	hypo	CHG	-0.2556
Gm18	37433	37908	Gmdrm	hypo	CHG	-0.0346
Gm18	44534	44670	Gmdrm	hypo	CHG	-0.358
Gm18	53776	53923	Gmdrm	hypo	CHG	-0.0625
Gm18	56091	56358	Gmdrm	hypo	CHG	-0.2754
Gm18	56499	56648	Gmdrm	hypo	CHG	-0.386
Gm18	57149	57264	Gmdrm	hypo	CHG	-0.5616
Gm18	82434	82778	Gmdrm	hypo	CHG	-0.8545
Gm18	97302	97448	Gmdrm	hypo	CHG	-0.3757
Gm18	137055	137129	Gmdrm	hypo	CHG	-0.0543
Gm18	198385	199074	Gmdrm	hypo	CHG	-0.4782
Gm18	206607	206891	Gmdrm	hypo	CHG	-0.0472
Gm18	218244	218894	Gmdrm	hypo	CHG	-0.4568
Gm18	232582	232772	Gmdrm	hypo	CHG	-0.0571

Gm18	271994	272144	Gmdrm	hypo	CHG	-0.034
Gm18	283460	283857	Gmdrm	hypo	CHG	-0.0904
Gm18	295290	295531	Gmdrm	hypo	CHG	-0.0557
Gm18	307910	308362	Gmdrm	hypo	CHG	-0.057
Gm18	320093	320291	Gmdrm	hypo	CHG	-0.0522
Gm18	347169	347369	Gmdrm	hypo	CHG	-0.5182
Gm18	366051	366280	Gmdrm	hypo	CHG	-0.7643
Gm18	366472	366627	Gmdrm	hypo	CHG	-0.6483
Gm18	368237	368360	Gmdrm	hypo	CHG	-0.3614
Gm18	369744	369890	Gmdrm	hypo	CHG	-0.03
Gm18	382096	382187	Gmdrm	hypo	CHG	-0.2114
Gm18	418615	418793	Gmdrm	hypo	CHG	-0.036
Gm18	429170	429440	Gmdrm	hypo	CHG	-0.0678
Gm18	437892	438207	Gmdrm	hypo	CHG	-0.0678
Gm18	445513	445638	Gmdrm	hypo	CHG	-0.65
Gm18	461457	461610	Gmdrm	hypo	CHG	-0.6717
Gm18	467497	467636	Gmdrm	hypo	CHG	-0.04
Gm18	479285	479418	Gmdrm	hypo	CHG	-0.7657
Gm18	479756	479917	Gmdrm	hypo	CHG	-0.5732
Gm18	514898	515059	Gmdrm	hypo	CHG	-0.04
Gm18	541603	541815	Gmdrm	hypo	CHG	-0.07
Gm18	543197	543488	Gmdrm	hypo	CHG	-0.1892
Gm18	545552	545674	Gmdrm	hypo	CHG	-0.1057
Gm18	549741	550100	Gmdrm	hypo	CHG	-0.199
Gm18	554431	554570	Gmdrm	hypo	CHG	-0.555
Gm18	588155	588586	Gmdrm	hypo	CHG	-0.2779
Gm18	593428	593617	Gmdrm	hypo	CHG	-0.2936
Gm18	594800	594986	Gmdrm	hypo	CHG	-0.2329
Gm18	596940	597171	Gmdrm	hypo	CHG	-0.7575
Gm18	636439	636876	Gmdrm	hypo	CHG	-0.3095
Gm18	636999	637217	Gmdrm	hypo	CHG	-0.6822
Gm18	662173	662224	Gmdrm	hypo	CHG	-0.7175
Gm18	662359	662654	Gmdrm	hypo	CHG	-0.6366
Gm18	698291	698393	Gmdrm	hypo	CHG	-0.8674
Gm18	701116	701215	Gmdrm	hypo	CHG	-0.836
Gm18	708670	708773	Gmdrm	hypo	CHG	-0.4
Gm18	748695	748870	Gmdrm	hypo	CHG	-0.7954
Gm18	779013	779380	Gmdrm	hypo	CHG	-0.0262
Gm18	804006	804142	Gmdrm	hypo	CHG	-0.0467
Gm18	804249	804313	Gmdrm	hypo	CHG	-0.042
Gm18	805504	805847	Gmdrm	hypo	CHG	-0.046
Gm18	835984	836079	Gmdrm	hypo	CHG	-0.038
Gm18	841129	841253	Gmdrm	hypo	CHG	-0.7362
Gm18	844652	844831	Gmdrm	hypo	CHG	-0.7357
Gm18	845758	845972	Gmdrm	hypo	CHG	-0.6533
Gm18	863473	863725	Gmdrm	hypo	CHG	-0.5643

Gm18	876472	876504	Gmdrm	hypo	CHG	-0.488
Gm18	876619	876680	Gmdrm	hypo	CHG	-0.326
Gm18	879118	879177	Gmdrm	hypo	CHG	-0.755
Gm18	899620	899741	Gmdrm	hypo	CHG	-0.5876
Gm18	917917	918080	Gmdrm	hypo	CHG	-0.06
Gm18	919351	919565	Gmdrm	hypo	CHG	-0.4579
Gm18	927173	927282	Gmdrm	hypo	CHG	-0.035
Gm18	961386	961463	Gmdrm	hypo	CHG	-0.7116
Gm18	986384	986559	Gmdrm	hypo	CHG	-0.5343
Gm18	1029583	1029649	Gmdrm	hypo	CHG	-0.78
Gm18	1029802	1029896	Gmdrm	hypo	CHG	-0.9434
Gm18	1037439	1037491	Gmdrm	hypo	CHG	-0.4412
Gm18	1067071	1067156	Gmdrm	hypo	CHG	-0.7017
Gm18	1067279	1067422	Gmdrm	hypo	CHG	-0.79
Gm18	1067562	1067907	Gmdrm	hypo	CHG	-0.7642
Gm18	1073674	1073923	Gmdrm	hypo	CHG	-0.0301
Gm18	1086162	1086234	Gmdrm	hypo	CHG	-0.075
Gm18	1089990	1090033	Gmdrm	hypo	CHG	-0.825
Gm18	1090181	1090281	Gmdrm	hypo	CHG	-0.8877
Gm18	1102924	1103083	Gmdrm	hypo	CHG	-0.038
Gm18	1130494	1130588	Gmdrm	hypo	CHG	-0.7184
Gm18	1143844	1143994	Gmdrm	hypo	CHG	-0.06
Gm18	1150985	1151378	Gmdrm	hypo	CHG	-0.3488
Gm18	1160936	1161114	Gmdrm	hypo	CHG	-0.8357
Gm18	1161222	1161620	Gmdrm	hypo	CHG	-0.4894
Gm18	1187207	1187535	Gmdrm	hypo	CHG	-0.4428
Gm18	1187637	1187727	Gmdrm	hypo	CHG	-0.29
Gm18	1190318	1190444	Gmdrm	hypo	CHG	-0.5128
Gm18	1196072	1196149	Gmdrm	hypo	CHG	-0.6867
Gm18	1259577	1259670	Gmdrm	hypo	CHG	-0.116
Gm18	1263336	1263412	Gmdrm	hypo	CHG	-0.76
Gm18	1263731	1263916	Gmdrm	hypo	CHG	-0.3025
Gm18	1293917	1294050	Gmdrm	hypo	CHG	-0.105
Gm18	1305402	1305816	Gmdrm	hypo	CHG	-0.6539
Gm18	1313881	1314069	Gmdrm	hypo	CHG	-0.0571
Gm18	1320577	1320905	Gmdrm	hypo	CHG	-0.742
Gm18	1345678	1346333	Gmdrm	hypo	CHG	-0.3478
Gm18	1350330	1350368	Gmdrm	hypo	CHG	-0.492
Gm18	1369429	1369575	Gmdrm	hypo	CHG	-0.2511
Gm18	1369830	1370010	Gmdrm	hypo	CHG	-0.4765
Gm18	1379938	1380195	Gmdrm	hypo	CHG	-0.8782
Gm18	1414921	1415136	Gmdrm	hypo	CHG	-0.7522
Gm18	1415252	1415366	Gmdrm	hypo	CHG	-0.7287
Gm18	1427948	1428165	Gmdrm	hypo	CHG	-0.785
Gm18	1434432	1434624	Gmdrm	hypo	CHG	-0.5383
Gm18	1446979	1447318	Gmdrm	hypo	CHG	-0.0812

Gm18	1447945	1448068	Gmdrm	hypo	CHG	-0.24
Gm18	1456537	1456782	Gmdrm	hypo	CHG	-0.2935
Gm18	1456920	1456945	Gmdrm	hypo	CHG	-0.834
Gm18	1457119	1457308	Gmdrm	hypo	CHG	-0.8007
Gm18	1465230	1465511	Gmdrm	hypo	CHG	-0.8531
Gm18	1507117	1507207	Gmdrm	hypo	CHG	-0.846
Gm18	1523149	1523332	Gmdrm	hypo	CHG	-0.54
Gm18	1523525	1523692	Gmdrm	hypo	CHG	-0.658
Gm18	1533350	1533609	Gmdrm	hypo	CHG	-0.04
Gm18	1564575	1564733	Gmdrm	hypo	CHG	-0.6016
Gm18	1564995	1565141	Gmdrm	hypo	CHG	-0.4428
Gm18	1566319	1566383	Gmdrm	hypo	CHG	-0.354
Gm18	1567457	1567517	Gmdrm	hypo	CHG	-0.316
Gm18	1575695	1575799	Gmdrm	hypo	CHG	-0.0417
Gm18	1598511	1598779	Gmdrm	hypo	CHG	-0.5773
Gm18	1602901	1603103	Gmdrm	hypo	CHG	-0.2787
Gm18	1604420	1604580	Gmdrm	hypo	CHG	-0.325
Gm18	1659044	1659246	Gmdrm	hypo	CHG	-0.0299
Gm18	1661430	1661854	Gmdrm	hypo	CHG	-0.5872
Gm18	1666284	1666442	Gmdrm	hypo	CHG	-0.0457
Gm18	1692708	1692850	Gmdrm	hypo	CHG	-0.0266
Gm18	1737086	1737194	Gmdrm	hypo	CHG	-0.06
Gm18	1748690	1748837	Gmdrm	hypo	CHG	-0.6862
Gm18	1757101	1757440	Gmdrm	hypo	CHG	-0.7664
Gm18	1757757	1757829	Gmdrm	hypo	CHG	-0.9071
Gm18	1770776	1770823	Gmdrm	hypo	CHG	-0.524
Gm18	1781625	1781752	Gmdrm	hypo	CHG	-0.4843
Gm18	1816925	1817038	Gmdrm	hypo	CHG	-0.04
Gm18	1817530	1817682	Gmdrm	hypo	CHG	-0.885
Gm18	1817812	1817900	Gmdrm	hypo	CHG	-0.826
Gm18	1824130	1824741	Gmdrm	hypo	CHG	-0.4496
Gm18	1852040	1852112	Gmdrm	hypo	CHG	-0.6628
Gm18	1852214	1852309	Gmdrm	hypo	CHG	-0.808
Gm18	1854442	1854592	Gmdrm	hypo	CHG	-0.7133
Gm18	1854892	1855052	Gmdrm	hypo	CHG	-0.87
Gm18	1855192	1855264	Gmdrm	hypo	CHG	-0.9211
Gm18	1855366	1855461	Gmdrm	hypo	CHG	-0.91
Gm18	1881252	1881433	Gmdrm	hypo	CHG	-0.035
Gm18	1895106	1895331	Gmdrm	hypo	CHG	-0.0629
Gm18	1898197	1898473	Gmdrm	hypo	CHG	-0.0367
Gm18	1905397	1905501	Gmdrm	hypo	CHG	-0.2711
Gm18	1911009	1911398	Gmdrm	hypo	CHG	-0.5455
Gm18	1912350	1912481	Gmdrm	hypo	CHG	-0.032
Gm18	1915577	1915654	Gmdrm	hypo	CHG	-0.7466
Gm18	1915804	1915907	Gmdrm	hypo	CHG	-0.49
Gm18	1924849	1925072	Gmdrm	hypo	CHG	-0.7075

Gm18	1925463	1925499	Gmdrm	hypo	CHG	-0.726
Gm18	1940552	1941047	Gmdrm	hypo	CHG	-0.088
Gm18	1951621	1951959	Gmdrm	hypo	CHG	-0.4686
Gm18	1958837	1958888	Gmdrm	hypo	CHG	-0.046
Gm18	1973457	1973821	Gmdrm	hypo	CHG	-0.032
Gm18	1979896	1980109	Gmdrm	hypo	CHG	-0.048
Gm18	1981891	1982031	Gmdrm	hypo	CHG	-0.0312
Gm18	1985654	1985732	Gmdrm	hypo	CHG	-0.255
Gm18	2045399	2045498	Gmdrm	hypo	CHG	-0.0383
Gm18	2113390	2113468	Gmdrm	hypo	CHG	-0.074
Gm18	2116401	2116610	Gmdrm	hypo	CHG	-0.255
Gm18	2121625	2121692	Gmdrm	hypo	CHG	-0.052
Gm18	2173427	2173584	Gmdrm	hypo	CHG	-0.044
Gm18	2176838	2177224	Gmdrm	hypo	CHG	-0.7208
Gm18	2186334	2186463	Gmdrm	hypo	CHG	-0.6966
Gm18	2194412	2194508	Gmdrm	hypo	CHG	-0.4643
Gm18	2194959	2195159	Gmdrm	hypo	CHG	-0.39
Gm18	2209573	2209983	Gmdrm	hypo	CHG	-0.1742
Gm18	2221950	2222046	Gmdrm	hypo	CHG	-0.03
Gm18	2243511	2243645	Gmdrm	hypo	CHG	-0.074
Gm18	2255416	2255692	Gmdrm	hypo	CHG	-0.035
Gm18	2267512	2267699	Gmdrm	hypo	CHG	-0.354
Gm18	2275163	2275255	Gmdrm	hypo	CHG	-0.6471
Gm18	2277714	2278294	Gmdrm	hypo	CHG	-0.8116
Gm18	2302155	2302262	Gmdrm	hypo	CHG	-0.046
Gm18	2304587	2304670	Gmdrm	hypo	CHG	-0.6424
Gm18	2308497	2308572	Gmdrm	hypo	CHG	-0.7266
Gm18	2308856	2308960	Gmdrm	hypo	CHG	-0.615
Gm18	2310717	2311036	Gmdrm	hypo	CHG	-0.6179
Gm18	2355667	2355863	Gmdrm	hypo	CHG	-0.895
Gm18	2357529	2357700	Gmdrm	hypo	CHG	-0.3666
Gm18	2363543	2363774	Gmdrm	hypo	CHG	-0.1078
Gm18	2373314	2373588	Gmdrm	hypo	CHG	-0.0336
Gm18	2381919	2382035	Gmdrm	hypo	CHG	-0.0986
Gm18	2386704	2386974	Gmdrm	hypo	CHG	-0.07
Gm18	2392294	2392958	Gmdrm	hypo	CHG	-0.2692
Gm18	2393241	2393306	Gmdrm	hypo	CHG	-0.246
Gm18	2396695	2396906	Gmdrm	hypo	CHG	-0.8992
Gm18	2406403	2406682	Gmdrm	hypo	CHG	-0.5255
Gm18	2414772	2414897	Gmdrm	hypo	CHG	-0.89
Gm18	2415177	2415358	Gmdrm	hypo	CHG	-0.8437
Gm18	2415578	2415761	Gmdrm	hypo	CHG	-0.851
Gm18	2437608	2437863	Gmdrm	hypo	CHG	-0.5679
Gm18	2440582	2440740	Gmdrm	hypo	CHG	-0.5039
Gm18	2441299	2441387	Gmdrm	hypo	CHG	-0.8178
Gm18	2441530	2441791	Gmdrm	hypo	CHG	-0.7125

Gm18	2441939	2442507	Gmdrm	hypo	CHG	-0.7007
Gm18	2489236	2489476	Gmdrm	hypo	CHG	-0.0433
Gm18	2492022	2492105	Gmdrm	hypo	CHG	-0.074
Gm18	2495861	2496077	Gmdrm	hypo	CHG	-0.862
Gm18	2509605	2509813	Gmdrm	hypo	CHG	-0.613
Gm18	2513757	2513969	Gmdrm	hypo	CHG	-0.3731
Gm18	2526380	2526654	Gmdrm	hypo	CHG	-0.2607
Gm18	2527887	2527944	Gmdrm	hypo	CHG	-0.535
Gm18	2528467	2528955	Gmdrm	hypo	CHG	-0.4254
Gm18	2544852	2545141	Gmdrm	hypo	CHG	-0.8052
Gm18	2549798	2549891	Gmdrm	hypo	CHG	-0.785
Gm18	2571257	2571404	Gmdrm	hypo	CHG	-0.1333
Gm18	2586822	2587039	Gmdrm	hypo	CHG	-0.7237
Gm18	2587168	2587378	Gmdrm	hypo	CHG	-0.6745
Gm18	2588333	2588424	Gmdrm	hypo	CHG	-0.7386
Gm18	2594263	2594393	Gmdrm	hypo	CHG	-0.058
Gm18	2600709	2600813	Gmdrm	hypo	CHG	-0.07
Gm18	2633872	2633916	Gmdrm	hypo	CHG	-0.8767
Gm18	2634071	2634139	Gmdrm	hypo	CHG	-0.6533
Gm18	2646671	2646841	Gmdrm	hypo	CHG	-0.044
Gm18	2648563	2648654	Gmdrm	hypo	CHG	-0.755
Gm18	2650896	2651034	Gmdrm	hypo	CHG	-0.044
Gm18	2653908	2654012	Gmdrm	hypo	CHG	-0.7633
Gm18	2691752	2691889	Gmdrm	hypo	CHG	-0.2391
Gm18	2704003	2704117	Gmdrm	hypo	CHG	-0.0416
Gm18	2708955	2709278	Gmdrm	hypo	CHG	-0.036
Gm18	2728113	2728178	Gmdrm	hypo	CHG	-0.43
Gm18	2732200	2732695	Gmdrm	hypo	CHG	-0.0993
Gm18	2732800	2733789	Gmdrm	hypo	CHG	-0.1724
Gm18	2775118	2775299	Gmdrm	hypo	CHG	-0.074
Gm18	2777562	2777893	Gmdrm	hypo	CHG	-0.04
Gm18	2790161	2790359	Gmdrm	hypo	CHG	-0.8246
Gm18	2790691	2790764	Gmdrm	hypo	CHG	-0.894
Gm18	2790873	2791140	Gmdrm	hypo	CHG	-0.9006
Gm18	2800633	2800683	Gmdrm	hypo	CHG	-0.034
Gm18	2812781	2812931	Gmdrm	hypo	CHG	-0.73
Gm18	2816647	2816877	Gmdrm	hypo	CHG	-0.146
Gm18	2816989	2817352	Gmdrm	hypo	CHG	-0.5953
Gm18	2817484	2817800	Gmdrm	hypo	CHG	-0.8
Gm18	2821398	2821446	Gmdrm	hypo	CHG	-0.18
Gm18	2835734	2835819	Gmdrm	hypo	CHG	-0.502
Gm18	2840470	2840546	Gmdrm	hypo	CHG	-0.33
Gm18	2841969	2842136	Gmdrm	hypo	CHG	-0.5386
Gm18	2878994	2879234	Gmdrm	hypo	CHG	-0.1644
Gm18	2879341	2879526	Gmdrm	hypo	CHG	-0.6425
Gm18	2898409	2898592	Gmdrm	hypo	CHG	-0.09

Gm18	2912714	2912860 Gmdrm	hypo	CHG	-0.41
Gm18	2913440	2913826 Gmdrm	hypo	CHG	-0.3604
Gm18	2914009	2914142 Gmdrm	hypo	CHG	-0.6714
Gm18	2926383	2926509 Gmdrm	hypo	CHG	-0.3062
Gm18	2926628	2926705 Gmdrm	hypo	CHG	-0.632
Gm18	2957984	2958079 Gmdrm	hypo	CHG	-0.39
Gm18	2990730	2991107 Gmdrm	hypo	CHG	-0.5088
Gm18	2992246	2992342 Gmdrm	hypo	CHG	-0.466
Gm18	2992759	2992833 Gmdrm	hypo	CHG	-0.785
Gm18	2993874	2994221 Gmdrm	hypo	CHG	-0.0416
Gm18	3006024	3007024 Gmdrm	hypo	CHG	-0.2593
Gm18	3007031	3007285 Gmdrm	hypo	CHG	-0.7071
Gm18	3007687	3008450 Gmdrm	hypo	CHG	-0.6952
Gm18	3019757	3020044 Gmdrm	hypo	CHG	-0.469
Gm18	3020629	3020783 Gmdrm	hypo	CHG	-0.4463
Gm18	3020966	3021061 Gmdrm	hypo	CHG	-0.5486
Gm18	3023500	3023627 Gmdrm	hypo	CHG	-0.1175
Gm18	3023798	3024238 Gmdrm	hypo	CHG	-0.598
Gm18	3030394	3030413 Gmdrm	hypo	CHG	-0.9433
Gm18	3030563	3030631 Gmdrm	hypo	CHG	-0.81
Gm18	3048021	3048310 Gmdrm	hypo	CHG	-0.085
Gm18	3048424	3048676 Gmdrm	hypo	CHG	-0.8309
Gm18	3052019	3052455 Gmdrm	hypo	CHG	-0.108
Gm18	3072260	3072560 Gmdrm	hypo	CHG	-0.3622
Gm18	3072668	3072843 Gmdrm	hypo	CHG	-0.43
Gm18	3077724	3078035 Gmdrm	hypo	CHG	-0.035
Gm18	3085543	3085764 Gmdrm	hypo	CHG	-0.3235
Gm18	3086026	3086150 Gmdrm	hypo	CHG	-0.5783
Gm18	3097119	3097401 Gmdrm	hypo	CHG	-0.3137
Gm18	3098262	3098754 Gmdrm	hypo	CHG	-0.1522
Gm18	3102216	3102568 Gmdrm	hypo	CHG	-0.0617
Gm18	3110740	3110839 Gmdrm	hypo	CHG	-0.6933
Gm18	3117240	3117389 Gmdrm	hypo	CHG	-0.046
Gm18	3132583	3132963 Gmdrm	hypo	CHG	-0.0375
Gm18	3143130	3143428 Gmdrm	hypo	CHG	-0.0433
Gm18	3144924	3145530 Gmdrm	hypo	CHG	-0.0264
Gm18	3162592	3162706 Gmdrm	hypo	CHG	-0.5014
Gm18	3168471	3168578 Gmdrm	hypo	CHG	-0.414
Gm18	3169212	3169283 Gmdrm	hypo	CHG	-0.652
Gm18	3172819	3173095 Gmdrm	hypo	CHG	-0.0429
Gm18	3200953	3201184 Gmdrm	hypo	CHG	-0.0414
Gm18	3214675	3214932 Gmdrm	hypo	CHG	-0.5026
Gm18	3217408	3217643 Gmdrm	hypo	CHG	-0.036
Gm18	3218974	3219154 Gmdrm	hypo	CHG	-0.2688
Gm18	3236270	3236310 Gmdrm	hypo	CHG	-0.27
Gm18	3236535	3236655 Gmdrm	hypo	CHG	-0.6

Gm18	3251107	3251219 Gmdrm	hypo	CHG	-0.33
Gm18	3253913	3254096 Gmdrm	hypo	CHG	-0.038
Gm18	3255097	3255191 Gmdrm	hypo	CHG	-0.6073
Gm18	3256913	3257318 Gmdrm	hypo	CHG	-0.2665
Gm18	3264277	3264375 Gmdrm	hypo	CHG	-0.5333
Gm18	3272434	3272610 Gmdrm	hypo	CHG	-0.8108
Gm18	3275418	3275485 Gmdrm	hypo	CHG	-0.696
Gm18	3282592	3282741 Gmdrm	hypo	CHG	-0.3
Gm18	3283009	3283153 Gmdrm	hypo	CHG	-0.6333
Gm18	3287744	3287810 Gmdrm	hypo	CHG	-0.855
Gm18	3293685	3293909 Gmdrm	hypo	CHG	-0.8092
Gm18	3294409	3294519 Gmdrm	hypo	CHG	-0.296
Gm18	3294638	3294868 Gmdrm	hypo	CHG	-0.24
Gm18	3305088	3305182 Gmdrm	hypo	CHG	-0.134
Gm18	3306691	3306739 Gmdrm	hypo	CHG	-0.195
Gm18	3324063	3324239 Gmdrm	hypo	CHG	-0.72
Gm18	3324596	3324853 Gmdrm	hypo	CHG	-0.6305
Gm18	3328402	3328621 Gmdrm	hypo	CHG	-0.6967
Gm18	3338039	3338292 Gmdrm	hypo	CHG	-0.386
Gm18	3344502	3344717 Gmdrm	hypo	CHG	-0.314
Gm18	3363405	3363562 Gmdrm	hypo	CHG	-0.05
Gm18	3367196	3367620 Gmdrm	hypo	CHG	-0.1719
Gm18	3372001	3372197 Gmdrm	hypo	CHG	-0.046
Gm18	3377382	3377564 Gmdrm	hypo	CHG	-0.0333
Gm18	3378889	3378994 Gmdrm	hypo	CHG	-0.3854
Gm18	3380176	3380466 Gmdrm	hypo	CHG	-0.317
Gm18	3405010	3405211 Gmdrm	hypo	CHG	-0.2289
Gm18	3407486	3407855 Gmdrm	hypo	CHG	-0.5635
Gm18	3414737	3414803 Gmdrm	hypo	CHG	-0.64
Gm18	3416711	3416815 Gmdrm	hypo	CHG	-0.82
Gm18	3428977	3429130 Gmdrm	hypo	CHG	-0.3322
Gm18	3429335	3429554 Gmdrm	hypo	CHG	-0.3077
Gm18	3435247	3435348 Gmdrm	hypo	CHG	-0.038
Gm18	3440687	3440853 Gmdrm	hypo	CHG	-0.56
Gm18	3461088	3461209 Gmdrm	hypo	CHG	-0.084
Gm18	3480879	3480967 Gmdrm	hypo	CHG	-0.7633
Gm18	3494653	3494705 Gmdrm	hypo	CHG	-0.5534
Gm18	3495255	3495498 Gmdrm	hypo	CHG	-0.5239
Gm18	3496671	3496831 Gmdrm	hypo	CHG	-0.73
Gm18	3496971	3497083 Gmdrm	hypo	CHG	-0.5583
Gm18	3520889	3521339 Gmdrm	hypo	CHG	-0.0385
Gm18	3528171	3528211 Gmdrm	hypo	CHG	-0.95
Gm18	3531075	3531470 Gmdrm	hypo	CHG	-0.043
Gm18	3536674	3536971 Gmdrm	hypo	CHG	-0.0275
Gm18	3543713	3544058 Gmdrm	hypo	CHG	-0.029
Gm18	3553345	3553525 Gmdrm	hypo	CHG	-0.5946

Gm18	3556205	3556498	Gmdrm	hypo	CHG	-0.465
Gm18	3556720	3556958	Gmdrm	hypo	CHG	-0.5522
Gm18	3557760	3557933	Gmdrm	hypo	CHG	-0.6538
Gm18	3558098	3558234	Gmdrm	hypo	CHG	-0.65
Gm18	3566067	3566277	Gmdrm	hypo	CHG	-0.06
Gm18	3568135	3568292	Gmdrm	hypo	CHG	-0.0371
Gm18	3571603	3571882	Gmdrm	hypo	CHG	-0.0467
Gm18	3581069	3581517	Gmdrm	hypo	CHG	-0.4361
Gm18	3582381	3582730	Gmdrm	hypo	CHG	-0.07
Gm18	3587734	3587944	Gmdrm	hypo	CHG	-0.06
Gm18	3588997	3589369	Gmdrm	hypo	CHG	-0.6048
Gm18	3592322	3592376	Gmdrm	hypo	CHG	-0.2167
Gm18	3592497	3592620	Gmdrm	hypo	CHG	-0.3628
Gm18	3595097	3595206	Gmdrm	hypo	CHG	-0.5357
Gm18	3654353	3654976	Gmdrm	hypo	CHG	-0.4368
Gm18	3666137	3666802	Gmdrm	hypo	CHG	-0.1234
Gm18	3668725	3669188	Gmdrm	hypo	CHG	-0.1542
Gm18	3674509	3674801	Gmdrm	hypo	CHG	-0.475
Gm18	3675578	3675704	Gmdrm	hypo	CHG	-0.5914
Gm18	3676214	3677022	Gmdrm	hypo	CHG	-0.299
Gm18	3683017	3683585	Gmdrm	hypo	CHG	-0.5303
Gm18	3687157	3687509	Gmdrm	hypo	CHG	-0.8085
Gm18	3689556	3689685	Gmdrm	hypo	CHG	-0.9272
Gm18	3713407	3713593	Gmdrm	hypo	CHG	-0.42
Gm18	3726036	3726561	Gmdrm	hypo	CHG	-0.1541
Gm18	3773194	3773341	Gmdrm	hypo	CHG	-0.046
Gm18	3776960	3777136	Gmdrm	hypo	CHG	-0.058
Gm18	3781109	3781395	Gmdrm	hypo	CHG	-0.4164
Gm18	3781579	3781657	Gmdrm	hypo	CHG	-0.6914
Gm18	3781792	3781819	Gmdrm	hypo	CHG	-0.8717
Gm18	3814038	3814289	Gmdrm	hypo	CHG	-0.8285
Gm18	3814439	3814776	Gmdrm	hypo	CHG	-0.0471
Gm18	3820969	3821559	Gmdrm	hypo	CHG	-0.0665
Gm18	3834397	3834725	Gmdrm	hypo	CHG	-0.0326
Gm18	3837456	3837874	Gmdrm	hypo	CHG	-0.2806
Gm18	3857617	3857665	Gmdrm	hypo	CHG	-0.905
Gm18	3858127	3858424	Gmdrm	hypo	CHG	-0.7469
Gm18	3868804	3869020	Gmdrm	hypo	CHG	-0.4094
Gm18	3877272	3877381	Gmdrm	hypo	CHG	-0.298
Gm18	3886058	3886156	Gmdrm	hypo	CHG	-0.038
Gm18	3894791	3894986	Gmdrm	hypo	CHG	-0.212
Gm18	3895266	3895374	Gmdrm	hypo	CHG	-0.308
Gm18	3895568	3896076	Gmdrm	hypo	CHG	-0.3856
Gm18	3900543	3900641	Gmdrm	hypo	CHG	-0.76
Gm18	3900762	3900805	Gmdrm	hypo	CHG	-0.932
Gm18	3905348	3905461	Gmdrm	hypo	CHG	-0.546

Gm18	3905668	3905754	Gmdrm	hypo	CHG	-0.8033
Gm18	3917323	3917696	Gmdrm	hypo	CHG	-0.2746
Gm18	3917840	3917901	Gmdrm	hypo	CHG	-0.182
Gm18	3922650	3923026	Gmdrm	hypo	CHG	-0.4756
Gm18	3923146	3923246	Gmdrm	hypo	CHG	-0.0717
Gm18	3923440	3923646	Gmdrm	hypo	CHG	-0.038
Gm18	3935218	3935344	Gmdrm	hypo	CHG	-0.7166
Gm18	3935503	3935562	Gmdrm	hypo	CHG	-0.7783
Gm18	3955760	3955814	Gmdrm	hypo	CHG	-0.642
Gm18	3965362	3965424	Gmdrm	hypo	CHG	-0.3317
Gm18	3966868	3967173	Gmdrm	hypo	CHG	-0.2473
Gm18	3967382	3967682	Gmdrm	hypo	CHG	-0.4396
Gm18	3995737	3995833	Gmdrm	hypo	CHG	-0.804
Gm18	4027285	4027386	Gmdrm	hypo	CHG	-0.4716
Gm18	4032103	4032388	Gmdrm	hypo	CHG	-0.2532
Gm18	4034006	4034216	Gmdrm	hypo	CHG	-0.611
Gm18	4034726	4034734	Gmdrm	hypo	CHG	-0.7783
Gm18	4044618	4044977	Gmdrm	hypo	CHG	-0.2989
Gm18	4048976	4049093	Gmdrm	hypo	CHG	-0.1554
Gm18	4051169	4051461	Gmdrm	hypo	CHG	-0.5995
Gm18	4055006	4055270	Gmdrm	hypo	CHG	-0.0572
Gm18	4104422	4104607	Gmdrm	hypo	CHG	-0.5392
Gm18	4104745	4105018	Gmdrm	hypo	CHG	-0.347
Gm18	4105128	4105162	Gmdrm	hypo	CHG	-0.4829
Gm18	4105263	4105452	Gmdrm	hypo	CHG	-0.4037
Gm18	4105570	4105635	Gmdrm	hypo	CHG	-0.5516
Gm18	4105946	4106179	Gmdrm	hypo	CHG	-0.732
Gm18	4106352	4106671	Gmdrm	hypo	CHG	-0.7055
Gm18	4106863	4107066	Gmdrm	hypo	CHG	-0.6282
Gm18	4112714	4112747	Gmdrm	hypo	CHG	-0.804
Gm18	4113135	4113356	Gmdrm	hypo	CHG	-0.8468
Gm18	4113486	4113530	Gmdrm	hypo	CHG	-0.4557
Gm18	4119915	4120690	Gmdrm	hypo	CHG	-0.5973
Gm18	4126234	4126342	Gmdrm	hypo	CHG	-0.332
Gm18	4126501	4126648	Gmdrm	hypo	CHG	-0.17
Gm18	4133538	4133572	Gmdrm	hypo	CHG	-0.0657
Gm18	4150327	4150589	Gmdrm	hypo	CHG	-0.6831
Gm18	4151256	4151740	Gmdrm	hypo	CHG	-0.7188
Gm18	4167182	4167388	Gmdrm	hypo	CHG	-0.5111
Gm18	4168856	4168884	Gmdrm	hypo	CHG	-0.2971
Gm18	4192408	4192582	Gmdrm	hypo	CHG	-0.5834
Gm18	4192813	4193146	Gmdrm	hypo	CHG	-0.2912
Gm18	4193491	4193826	Gmdrm	hypo	CHG	-0.172
Gm18	4198076	4198304	Gmdrm	hypo	CHG	-0.0489
Gm18	4201425	4201543	Gmdrm	hypo	CHG	-0.8287
Gm18	4209253	4209556	Gmdrm	hypo	CHG	-0.395

Gm18	4223452	4223736 Gmdrm	hypo	CHG	-0.1889
Gm18	4231751	4231844 Gmdrm	hypo	CHG	-0.5587
Gm18	4247288	4247455 Gmdrm	hypo	CHG	-0.028
Gm18	4251645	4251883 Gmdrm	hypo	CHG	-0.4393
Gm18	4260461	4260574 Gmdrm	hypo	CHG	-0.136
Gm18	4318196	4318301 Gmdrm	hypo	CHG	-0.745
Gm18	4318933	4319398 Gmdrm	hypo	CHG	-0.0323
Gm18	4338070	4338213 Gmdrm	hypo	CHG	-0.0429
Gm18	4340891	4341357 Gmdrm	hypo	CHG	-0.0666
Gm18	4348497	4348700 Gmdrm	hypo	CHG	-0.352
Gm18	4351753	4351804 Gmdrm	hypo	CHG	-0.038
Gm18	4352081	4352248 Gmdrm	hypo	CHG	-0.3588
Gm18	4354012	4354131 Gmdrm	hypo	CHG	-0.4733
Gm18	4372285	4372403 Gmdrm	hypo	CHG	-0.662
Gm18	4373610	4374312 Gmdrm	hypo	CHG	-0.1654
Gm18	4404443	4404528 Gmdrm	hypo	CHG	-0.2225
Gm18	4426784	4427047 Gmdrm	hypo	CHG	-0.7617
Gm18	4428432	4428564 Gmdrm	hypo	CHG	-0.2334
Gm18	4444404	4444466 Gmdrm	hypo	CHG	-0.65
Gm18	4460647	4460695 Gmdrm	hypo	CHG	-0.5833
Gm18	4476160	4476402 Gmdrm	hypo	CHG	-0.0675
Gm18	4500057	4500139 Gmdrm	hypo	CHG	-0.564
Gm18	4501460	4501494 Gmdrm	hypo	CHG	-0.095
Gm18	4501630	4501986 Gmdrm	hypo	CHG	-0.714
Gm18	4502097	4502552 Gmdrm	hypo	CHG	-0.6953
Gm18	4503425	4503554 Gmdrm	hypo	CHG	-0.4133
Gm18	4505202	4505479 Gmdrm	hypo	CHG	-0.3573
Gm18	4505641	4506046 Gmdrm	hypo	CHG	-0.3952
Gm18	4506733	4506841 Gmdrm	hypo	CHG	-0.1167
Gm18	4542153	4542281 Gmdrm	hypo	CHG	-0.791
Gm18	4542566	4542704 Gmdrm	hypo	CHG	-0.7867
Gm18	4562165	4562206 Gmdrm	hypo	CHG	-0.086
Gm18	4578118	4578200 Gmdrm	hypo	CHG	-0.4488
Gm18	4601896	4602009 Gmdrm	hypo	CHG	-0.368
Gm18	4610612	4610746 Gmdrm	hypo	CHG	-0.55
Gm18	4612884	4613068 Gmdrm	hypo	CHG	-0.3475
Gm18	4626448	4626713 Gmdrm	hypo	CHG	-0.462
Gm18	4629422	4629713 Gmdrm	hypo	CHG	-0.33
Gm18	4637743	4637920 Gmdrm	hypo	CHG	-0.435
Gm18	4654693	4655052 Gmdrm	hypo	CHG	-0.1141
Gm18	4668580	4668738 Gmdrm	hypo	CHG	-0.4186
Gm18	4671891	4672065 Gmdrm	hypo	CHG	-0.6143
Gm18	4672336	4672414 Gmdrm	hypo	CHG	-0.7017
Gm18	4688684	4688980 Gmdrm	hypo	CHG	-0.0543
Gm18	4697984	4698159 Gmdrm	hypo	CHG	-0.0467
Gm18	4721991	4722718 Gmdrm	hypo	CHG	-0.1932

Gm18	4723023	4723893	Gmdrm	hypo	CHG	-0.2237
Gm18	4724053	4725052	Gmdrm	hypo	CHG	-0.299
Gm18	4725182	4725486	Gmdrm	hypo	CHG	-0.24
Gm18	4725648	4726095	Gmdrm	hypo	CHG	-0.12
Gm18	4747083	4747180	Gmdrm	hypo	CHG	-0.0317
Gm18	4749111	4749396	Gmdrm	hypo	CHG	-0.2944
Gm18	4766416	4766549	Gmdrm	hypo	CHG	-0.066
Gm18	4779339	4779699	Gmdrm	hypo	CHG	-0.4489
Gm18	4782302	4782549	Gmdrm	hypo	CHG	-0.8033
Gm18	4782666	4782755	Gmdrm	hypo	CHG	-0.7633
Gm18	4801552	4801842	Gmdrm	hypo	CHG	-0.2471
Gm18	4801994	4802273	Gmdrm	hypo	CHG	-0.6888
Gm18	4823370	4823499	Gmdrm	hypo	CHG	-0.042
Gm18	4848060	4848179	Gmdrm	hypo	CHG	-0.645
Gm18	4850819	4851386	Gmdrm	hypo	CHG	-0.2241
Gm18	4853750	4854104	Gmdrm	hypo	CHG	-0.7421
Gm18	4854227	4854436	Gmdrm	hypo	CHG	-0.659
Gm18	4863359	4863526	Gmdrm	hypo	CHG	-0.2283
Gm18	4870778	4871019	Gmdrm	hypo	CHG	-0.4958
Gm18	4871988	4872192	Gmdrm	hypo	CHG	-0.207
Gm18	4902715	4902786	Gmdrm	hypo	CHG	-0.4733
Gm18	4911289	4911580	Gmdrm	hypo	CHG	-0.3707
Gm18	4925968	4926159	Gmdrm	hypo	CHG	-0.4357
Gm18	4926302	4926926	Gmdrm	hypo	CHG	-0.1417
Gm18	4930545	4930816	Gmdrm	hypo	CHG	-0.3375
Gm18	4930974	4931322	Gmdrm	hypo	CHG	-0.381
Gm18	4932102	4932899	Gmdrm	hypo	CHG	-0.4224
Gm18	4941204	4941289	Gmdrm	hypo	CHG	-0.274
Gm18	4942225	4942313	Gmdrm	hypo	CHG	-0.5989
Gm18	4942919	4943036	Gmdrm	hypo	CHG	-0.6183
Gm18	4957646	4957861	Gmdrm	hypo	CHG	-0.0488
Gm18	4964420	4964543	Gmdrm	hypo	CHG	-0.0817
Gm18	4980784	4980905	Gmdrm	hypo	CHG	-0.2972
Gm18	4996781	4997101	Gmdrm	hypo	CHG	-0.5133
Gm18	5017292	5017542	Gmdrm	hypo	CHG	-0.295
Gm18	5017933	5018022	Gmdrm	hypo	CHG	-0.6167
Gm18	5020326	5020451	Gmdrm	hypo	CHG	-0.094
Gm18	5033624	5033845	Gmdrm	hypo	CHG	-0.53
Gm18	5039188	5039295	Gmdrm	hypo	CHG	-0.215
Gm18	5047649	5047941	Gmdrm	hypo	CHG	-0.076
Gm18	5061350	5061473	Gmdrm	hypo	CHG	-0.035
Gm18	5075233	5075337	Gmdrm	hypo	CHG	-0.09
Gm18	5086656	5086788	Gmdrm	hypo	CHG	-0.7675
Gm18	5087234	5087272	Gmdrm	hypo	CHG	-0.09
Gm18	5100637	5100814	Gmdrm	hypo	CHG	-0.04
Gm18	5106096	5106485	Gmdrm	hypo	CHG	-0.0436

Gm18	5114516	5114672	Gmdrm	hypo	CHG	-0.2075
Gm18	5114826	5115003	Gmdrm	hypo	CHG	-0.5272
Gm18	5136085	5136174	Gmdrm	hypo	CHG	-0.4833
Gm18	5140750	5140863	Gmdrm	hypo	CHG	-0.035
Gm18	5147387	5147466	Gmdrm	hypo	CHG	-0.276
Gm18	5149948	5150143	Gmdrm	hypo	CHG	-0.0829
Gm18	5152972	5153108	Gmdrm	hypo	CHG	-0.056
Gm18	5160436	5160575	Gmdrm	hypo	CHG	-0.0757
Gm18	5194220	5194342	Gmdrm	hypo	CHG	-0.5867
Gm18	5194669	5194904	Gmdrm	hypo	CHG	-0.8542
Gm18	5204552	5204684	Gmdrm	hypo	CHG	-0.8646
Gm18	5204884	5205121	Gmdrm	hypo	CHG	-0.8617
Gm18	5206410	5206862	Gmdrm	hypo	CHG	-0.2614
Gm18	5207030	5207128	Gmdrm	hypo	CHG	-0.4256
Gm18	5207384	5207451	Gmdrm	hypo	CHG	-0.52
Gm18	5207576	5207804	Gmdrm	hypo	CHG	-0.2495
Gm18	5227264	5227406	Gmdrm	hypo	CHG	-0.46
Gm18	5239335	5239606	Gmdrm	hypo	CHG	-0.8111
Gm18	5240966	5241082	Gmdrm	hypo	CHG	-0.204
Gm18	5243094	5243245	Gmdrm	hypo	CHG	-0.738
Gm18	5244125	5244236	Gmdrm	hypo	CHG	-0.4915
Gm18	5262698	5262758	Gmdrm	hypo	CHG	-0.0383
Gm18	5265362	5266073	Gmdrm	hypo	CHG	-0.3128
Gm18	5270754	5270858	Gmdrm	hypo	CHG	-0.908
Gm18	5271175	5271259	Gmdrm	hypo	CHG	-0.6963
Gm18	5271670	5271794	Gmdrm	hypo	CHG	-0.5571
Gm18	5271977	5272094	Gmdrm	hypo	CHG	-0.1399
Gm18	5272667	5272924	Gmdrm	hypo	CHG	-0.3025
Gm18	5276623	5277239	Gmdrm	hypo	CHG	-0.3535
Gm18	5278009	5278456	Gmdrm	hypo	CHG	-0.6959
Gm18	5278998	5279804	Gmdrm	hypo	CHG	-0.3406
Gm18	5280144	5280367	Gmdrm	hypo	CHG	-0.667
Gm18	5281391	5281478	Gmdrm	hypo	CHG	-0.645
Gm18	5309174	5309659	Gmdrm	hypo	CHG	-0.7092
Gm18	5322381	5322550	Gmdrm	hypo	CHG	-0.922
Gm18	5335552	5335717	Gmdrm	hypo	CHG	-0.6478
Gm18	5336054	5336239	Gmdrm	hypo	CHG	-0.3112
Gm18	5337587	5337607	Gmdrm	hypo	CHG	-0.2825
Gm18	5340326	5340438	Gmdrm	hypo	CHG	-0.2729
Gm18	5358153	5358345	Gmdrm	hypo	CHG	-0.08
Gm18	5362346	5362489	Gmdrm	hypo	CHG	-0.5684
Gm18	5366263	5366407	Gmdrm	hypo	CHG	-0.456
Gm18	5370048	5370211	Gmdrm	hypo	CHG	-0.515
Gm18	5390292	5390687	Gmdrm	hypo	CHG	-0.398
Gm18	5391483	5391678	Gmdrm	hypo	CHG	-0.365
Gm18	5408118	5408180	Gmdrm	hypo	CHG	-0.8433

Gm18	5408308	5408697	Gmdrm	hypo	CHG	-0.6822
Gm18	5411335	5411845	Gmdrm	hypo	CHG	-0.5108
Gm18	5429773	5429854	Gmdrm	hypo	CHG	-0.0565
Gm18	5436211	5436299	Gmdrm	hypo	CHG	-0.315
Gm18	5449338	5449457	Gmdrm	hypo	CHG	-0.5417
Gm18	5449764	5450018	Gmdrm	hypo	CHG	-0.47
Gm18	5458360	5458907	Gmdrm	hypo	CHG	-0.4623
Gm18	5476840	5476880	Gmdrm	hypo	CHG	-0.542
Gm18	5478222	5478516	Gmdrm	hypo	CHG	-0.3173
Gm18	5479345	5479764	Gmdrm	hypo	CHG	-0.3562
Gm18	5512546	5512620	Gmdrm	hypo	CHG	-0.3
Gm18	5512963	5513248	Gmdrm	hypo	CHG	-0.5891
Gm18	5552067	5552130	Gmdrm	hypo	CHG	-0.8833
Gm18	5558791	5559217	Gmdrm	hypo	CHG	-0.2368
Gm18	5570521	5570741	Gmdrm	hypo	CHG	-0.4978
Gm18	5589243	5589365	Gmdrm	hypo	CHG	-0.3343
Gm18	5594536	5594613	Gmdrm	hypo	CHG	-0.6756
Gm18	5606640	5606703	Gmdrm	hypo	CHG	-0.1612
Gm18	5619743	5619873	Gmdrm	hypo	CHG	-0.7312
Gm18	5628648	5629487	Gmdrm	hypo	CHG	-0.1713
Gm18	5632989	5633151	Gmdrm	hypo	CHG	-0.175
Gm18	5643694	5643899	Gmdrm	hypo	CHG	-0.262
Gm18	5668564	5668662	Gmdrm	hypo	CHG	-0.95
Gm18	5668772	5668923	Gmdrm	hypo	CHG	-0.5933
Gm18	5673288	5673682	Gmdrm	hypo	CHG	-0.7311
Gm18	5676381	5676615	Gmdrm	hypo	CHG	-0.6034
Gm18	5679301	5679463	Gmdrm	hypo	CHG	-0.5714
Gm18	5709173	5709269	Gmdrm	hypo	CHG	-0.5075
Gm18	5710669	5710748	Gmdrm	hypo	CHG	-0.6043
Gm18	5711112	5711246	Gmdrm	hypo	CHG	-0.7693
Gm18	5711778	5712266	Gmdrm	hypo	CHG	-0.562
Gm18	5713962	5714297	Gmdrm	hypo	CHG	-0.6274
Gm18	5715395	5715608	Gmdrm	hypo	CHG	-0.052
Gm18	5718760	5719328	Gmdrm	hypo	CHG	-0.4507
Gm18	5719512	5719544	Gmdrm	hypo	CHG	-0.3233
Gm18	5732912	5733121	Gmdrm	hypo	CHG	-0.797
Gm18	5733820	5734105	Gmdrm	hypo	CHG	-0.8983
Gm18	5740421	5740751	Gmdrm	hypo	CHG	-0.77
Gm18	5740884	5741151	Gmdrm	hypo	CHG	-0.45
Gm18	5749458	5749528	Gmdrm	hypo	CHG	-0.38
Gm18	5772444	5772554	Gmdrm	hypo	CHG	-0.404
Gm18	5791493	5791586	Gmdrm	hypo	CHG	-0.3267
Gm18	5796292	5796550	Gmdrm	hypo	CHG	-0.7373
Gm18	5801174	5801403	Gmdrm	hypo	CHG	-0.8887
Gm18	5803601	5803874	Gmdrm	hypo	CHG	-0.9265
Gm18	5829043	5829156	Gmdrm	hypo	CHG	-0.3233

Gm18	5830884	5831445	Gmdrm	hypo	CHG	-0.675
Gm18	5838355	5838908	Gmdrm	hypo	CHG	-0.3267
Gm18	5876769	5876982	Gmdrm	hypo	CHG	-0.5264
Gm18	5886876	5887162	Gmdrm	hypo	CHG	-0.495
Gm18	5887943	5888391	Gmdrm	hypo	CHG	-0.505
Gm18	5889422	5889680	Gmdrm	hypo	CHG	-0.5923
Gm18	5891080	5891165	Gmdrm	hypo	CHG	-0.532
Gm18	5893317	5893479	Gmdrm	hypo	CHG	-0.22
Gm18	5893661	5893878	Gmdrm	hypo	CHG	-0.5858
Gm18	5903007	5903038	Gmdrm	hypo	CHG	-0.052
Gm18	5933745	5933827	Gmdrm	hypo	CHG	-0.676
Gm18	5933977	5934049	Gmdrm	hypo	CHG	-0.594
Gm18	5934429	5934598	Gmdrm	hypo	CHG	-0.5187
Gm18	5941558	5942198	Gmdrm	hypo	CHG	-0.3589
Gm18	5946682	5946938	Gmdrm	hypo	CHG	-0.06
Gm18	5963742	5963914	Gmdrm	hypo	CHG	-0.8267
Gm18	5964921	5965260	Gmdrm	hypo	CHG	-0.4169
Gm18	5971016	5971141	Gmdrm	hypo	CHG	-0.8122
Gm18	5971246	5971312	Gmdrm	hypo	CHG	-0.705
Gm18	5972356	5972851	Gmdrm	hypo	CHG	-0.2024
Gm18	5981252	5981619	Gmdrm	hypo	CHG	-0.5178
Gm18	5997258	5997429	Gmdrm	hypo	CHG	-0.1862
Gm18	5997561	5997626	Gmdrm	hypo	CHG	-0.6383
Gm18	6009878	6010265	Gmdrm	hypo	CHG	-0.2927
Gm18	6010507	6010789	Gmdrm	hypo	CHG	-0.6783
Gm18	6010904	6011010	Gmdrm	hypo	CHG	-0.598
Gm18	6011614	6011836	Gmdrm	hypo	CHG	-0.4115
Gm18	6012959	6013038	Gmdrm	hypo	CHG	-0.6866
Gm18	6013166	6013664	Gmdrm	hypo	CHG	-0.8093
Gm18	6029349	6029622	Gmdrm	hypo	CHG	-0.4023
Gm18	6029943	6030139	Gmdrm	hypo	CHG	-0.5792
Gm18	6030275	6030328	Gmdrm	hypo	CHG	-0.8113
Gm18	6038967	6039268	Gmdrm	hypo	CHG	-0.644
Gm18	6040572	6040747	Gmdrm	hypo	CHG	-0.05
Gm18	6041039	6041251	Gmdrm	hypo	CHG	-0.4506
Gm18	6045068	6045407	Gmdrm	hypo	CHG	-0.31
Gm18	6048164	6048321	Gmdrm	hypo	CHG	-0.7954
Gm18	6048508	6048867	Gmdrm	hypo	CHG	-0.8912
Gm18	6048972	6049017	Gmdrm	hypo	CHG	-0.5425
Gm18	6070811	6070913	Gmdrm	hypo	CHG	-0.7874
Gm18	6073244	6073546	Gmdrm	hypo	CHG	-0.7034
Gm18	6075810	6075975	Gmdrm	hypo	CHG	-0.8119
Gm18	6089018	6089232	Gmdrm	hypo	CHG	-0.825
Gm18	6089336	6089724	Gmdrm	hypo	CHG	-0.5318
Gm18	6104181	6104716	Gmdrm	hypo	CHG	-0.2711
Gm18	6105065	6105274	Gmdrm	hypo	CHG	-0.6962

Gm18	6108270	6108423 Gmdrm	hypo	CHG	-0.8543
Gm18	6116406	6116486 Gmdrm	hypo	CHG	-0.8425
Gm18	6116834	6117038 Gmdrm	hypo	CHG	-0.4324
Gm18	6135059	6135578 Gmdrm	hypo	CHG	-0.3317
Gm18	6138705	6138804 Gmdrm	hypo	CHG	-0.542
Gm18	6139114	6139554 Gmdrm	hypo	CHG	-0.2664
Gm18	6140017	6140341 Gmdrm	hypo	CHG	-0.2333
Gm18	6140489	6140914 Gmdrm	hypo	CHG	-0.4969
Gm18	6144281	6144564 Gmdrm	hypo	CHG	-0.0212
Gm18	6145603	6145954 Gmdrm	hypo	CHG	-0.03
Gm18	6147447	6147572 Gmdrm	hypo	CHG	-0.2383
Gm18	6147803	6147905 Gmdrm	hypo	CHG	-0.5256
Gm18	6148108	6148360 Gmdrm	hypo	CHG	-0.4948
Gm18	6148474	6149425 Gmdrm	hypo	CHG	-0.3365
Gm18	6149934	6150716 Gmdrm	hypo	CHG	-0.2217
Gm18	6153075	6153205 Gmdrm	hypo	CHG	-0.3809
Gm18	6163203	6163369 Gmdrm	hypo	CHG	-0.56
Gm18	6165587	6165651 Gmdrm	hypo	CHG	-0.8674
Gm18	6165768	6165930 Gmdrm	hypo	CHG	-0.6334
Gm18	6166035	6166298 Gmdrm	hypo	CHG	-0.4422
Gm18	6169675	6170285 Gmdrm	hypo	CHG	-0.4237
Gm18	6176796	6177141 Gmdrm	hypo	CHG	-0.2159
Gm18	6190733	6190932 Gmdrm	hypo	CHG	-0.038
Gm18	6193562	6193814 Gmdrm	hypo	CHG	-0.7673
Gm18	6194012	6194461 Gmdrm	hypo	CHG	-0.34
Gm18	6212607	6212755 Gmdrm	hypo	CHG	-0.2289
Gm18	6215281	6215646 Gmdrm	hypo	CHG	-0.1817
Gm18	6220605	6220944 Gmdrm	hypo	CHG	-0.3034
Gm18	6247688	6248053 Gmdrm	hypo	CHG	-0.03
Gm18	6249442	6249762 Gmdrm	hypo	CHG	-0.7273
Gm18	6251698	6251816 Gmdrm	hypo	CHG	-0.3267
Gm18	6251938	6252190 Gmdrm	hypo	CHG	-0.3238
Gm18	6256557	6256679 Gmdrm	hypo	CHG	-0.7671
Gm18	6256928	6257104 Gmdrm	hypo	CHG	-0.85
Gm18	6257252	6257386 Gmdrm	hypo	CHG	-0.5989
Gm18	6258633	6258764 Gmdrm	hypo	CHG	-0.285
Gm18	6259901	6260242 Gmdrm	hypo	CHG	-0.7266
Gm18	6266831	6266984 Gmdrm	hypo	CHG	-0.45
Gm18	6267443	6267790 Gmdrm	hypo	CHG	-0.3924
Gm18	6267937	6268166 Gmdrm	hypo	CHG	-0.8426
Gm18	6274421	6275420 Gmdrm	hypo	CHG	-0.5283
Gm18	6291774	6291965 Gmdrm	hypo	CHG	-0.072
Gm18	6292650	6292684 Gmdrm	hypo	CHG	-0.346
Gm18	6300934	6301160 Gmdrm	hypo	CHG	-0.2743
Gm18	6307242	6307361 Gmdrm	hypo	CHG	-0.1172
Gm18	6315408	6315672 Gmdrm	hypo	CHG	-0.0255

Gm18	6340705	6341095	Gmdrm	hypo	CHG	-0.2828
Gm18	6344115	6344787	Gmdrm	hypo	CHG	-0.3763
Gm18	6345076	6345230	Gmdrm	hypo	CHG	-0.3986
Gm18	6351978	6352138	Gmdrm	hypo	CHG	-0.5213
Gm18	6354989	6355172	Gmdrm	hypo	CHG	-0.068
Gm18	6357472	6357776	Gmdrm	hypo	CHG	-0.1413
Gm18	6357897	6358182	Gmdrm	hypo	CHG	-0.045
Gm18	6360137	6360239	Gmdrm	hypo	CHG	-0.6386
Gm18	6361619	6361712	Gmdrm	hypo	CHG	-0.4
Gm18	6362639	6362734	Gmdrm	hypo	CHG	-0.682
Gm18	6374730	6374847	Gmdrm	hypo	CHG	-0.267
Gm18	6387673	6387793	Gmdrm	hypo	CHG	-0.6129
Gm18	6388851	6388862	Gmdrm	hypo	CHG	-0.89
Gm18	6388984	6389396	Gmdrm	hypo	CHG	-0.3971
Gm18	6409265	6409489	Gmdrm	hypo	CHG	-0.1287
Gm18	6410539	6410868	Gmdrm	hypo	CHG	-0.2928
Gm18	6420757	6420919	Gmdrm	hypo	CHG	-0.0853
Gm18	6421139	6421254	Gmdrm	hypo	CHG	-0.825
Gm18	6458441	6458835	Gmdrm	hypo	CHG	-0.6579
Gm18	6458972	6459286	Gmdrm	hypo	CHG	-0.3716
Gm18	6475670	6476215	Gmdrm	hypo	CHG	-0.3038
Gm18	6487660	6487878	Gmdrm	hypo	CHG	-0.4775
Gm18	6487989	6488203	Gmdrm	hypo	CHG	-0.2689
Gm18	6489964	6490296	Gmdrm	hypo	CHG	-0.896
Gm18	6494118	6494307	Gmdrm	hypo	CHG	-0.3588
Gm18	6494879	6495014	Gmdrm	hypo	CHG	-0.55
Gm18	6495387	6495518	Gmdrm	hypo	CHG	-0.3271
Gm18	6500807	6500884	Gmdrm	hypo	CHG	-0.0983
Gm18	6501057	6501497	Gmdrm	hypo	CHG	-0.2508
Gm18	6521130	6521504	Gmdrm	hypo	CHG	-0.4691
Gm18	6521813	6521937	Gmdrm	hypo	CHG	-0.332
Gm18	6522046	6522116	Gmdrm	hypo	CHG	-0.1411
Gm18	6523118	6523225	Gmdrm	hypo	CHG	-0.566
Gm18	6523687	6523752	Gmdrm	hypo	CHG	-0.498
Gm18	6526338	6526509	Gmdrm	hypo	CHG	-0.112
Gm18	6535308	6535653	Gmdrm	hypo	CHG	-0.0354
Gm18	6536415	6537069	Gmdrm	hypo	CHG	-0.6861
Gm18	6542448	6542723	Gmdrm	hypo	CHG	-0.0343
Gm18	6563491	6563612	Gmdrm	hypo	CHG	-0.0566
Gm18	6566853	6567039	Gmdrm	hypo	CHG	-0.052
Gm18	6574099	6575096	Gmdrm	hypo	CHG	-0.2134
Gm18	6586963	6587298	Gmdrm	hypo	CHG	-0.4056
Gm18	6599192	6599693	Gmdrm	hypo	CHG	-0.6464
Gm18	6622766	6623032	Gmdrm	hypo	CHG	-0.3663
Gm18	6636403	6636770	Gmdrm	hypo	CHG	-0.0342
Gm18	6647939	6648103	Gmdrm	hypo	CHG	-0.085

Gm18	6648542	6648601 Gmdrm	hypo	CHG	-0.7115
Gm18	6648919	6649581 Gmdrm	hypo	CHG	-0.6713
Gm18	6653121	6653426 Gmdrm	hypo	CHG	-0.7532
Gm18	6655699	6655863 Gmdrm	hypo	CHG	-0.8487
Gm18	6658234	6658437 Gmdrm	hypo	CHG	-0.358
Gm18	6665098	6665232 Gmdrm	hypo	CHG	-0.0612
Gm18	6673211	6673574 Gmdrm	hypo	CHG	-0.3358
Gm18	6673676	6673800 Gmdrm	hypo	CHG	-0.1944
Gm18	6685347	6685564 Gmdrm	hypo	CHG	-0.7677
Gm18	6700320	6700481 Gmdrm	hypo	CHG	-0.038
Gm18	6702795	6703173 Gmdrm	hypo	CHG	-0.3506
Gm18	6706075	6706413 Gmdrm	hypo	CHG	-0.146
Gm18	6706794	6706970 Gmdrm	hypo	CHG	-0.35
Gm18	6707084	6707382 Gmdrm	hypo	CHG	-0.2555
Gm18	6709593	6709846 Gmdrm	hypo	CHG	-0.5063
Gm18	6713864	6714227 Gmdrm	hypo	CHG	-0.7
Gm18	6733258	6733431 Gmdrm	hypo	CHG	-0.37
Gm18	6737431	6737880 Gmdrm	hypo	CHG	-0.2528
Gm18	6754697	6755142 Gmdrm	hypo	CHG	-0.3058
Gm18	6755265	6755378 Gmdrm	hypo	CHG	-0.282
Gm18	6765639	6765881 Gmdrm	hypo	CHG	-0.0362
Gm18	6766032	6766184 Gmdrm	hypo	CHG	-0.6389
Gm18	6801730	6801878 Gmdrm	hypo	CHG	-0.52
Gm18	6811847	6812021 Gmdrm	hypo	CHG	-0.5783
Gm18	6812297	6812760 Gmdrm	hypo	CHG	-0.5903
Gm18	6815187	6815284 Gmdrm	hypo	CHG	-0.394
Gm18	6825467	6825605 Gmdrm	hypo	CHG	-0.3971
Gm18	6833254	6833569 Gmdrm	hypo	CHG	-0.755
Gm18	6835354	6835558 Gmdrm	hypo	CHG	-0.7744
Gm18	6837326	6837513 Gmdrm	hypo	CHG	-0.4645
Gm18	6843815	6843942 Gmdrm	hypo	CHG	-0.7708
Gm18	6856636	6856705 Gmdrm	hypo	CHG	-0.648
Gm18	6857554	6857646 Gmdrm	hypo	CHG	-0.4234
Gm18	6857762	6858376 Gmdrm	hypo	CHG	-0.1803
Gm18	6858836	6858999 Gmdrm	hypo	CHG	-0.5037
Gm18	6863937	6864062 Gmdrm	hypo	CHG	-0.0362
Gm18	6870143	6870777 Gmdrm	hypo	CHG	-0.1005
Gm18	6872315	6872528 Gmdrm	hypo	CHG	-0.0562
Gm18	6872714	6873369 Gmdrm	hypo	CHG	-0.327
Gm18	6892136	6892661 Gmdrm	hypo	CHG	-0.4544
Gm18	6893601	6893890 Gmdrm	hypo	CHG	-0.3356
Gm18	6895648	6895927 Gmdrm	hypo	CHG	-0.3823
Gm18	6896081	6896352 Gmdrm	hypo	CHG	-0.1826
Gm18	6913655	6914020 Gmdrm	hypo	CHG	-0.4022
Gm18	6935839	6935954 Gmdrm	hypo	CHG	-0.4756
Gm18	6980457	6980606 Gmdrm	hypo	CHG	-0.324

Gm18	6992248	6992282 Gmdrm	hypo	CHG	-0.922
Gm18	7018114	7018341 Gmdrm	hypo	CHG	-0.3917
Gm18	7027191	7027490 Gmdrm	hypo	CHG	-0.5127
Gm18	7029805	7029905 Gmdrm	hypo	CHG	-0.2562
Gm18	7030089	7030186 Gmdrm	hypo	CHG	-0.3667
Gm18	7031619	7031774 Gmdrm	hypo	CHG	-0.453
Gm18	7038958	7039104 Gmdrm	hypo	CHG	-0.812
Gm18	7046347	7046714 Gmdrm	hypo	CHG	-0.7993
Gm18	7048425	7048626 Gmdrm	hypo	CHG	-0.154
Gm18	7054730	7054778 Gmdrm	hypo	CHG	-0.1567
Gm18	7066146	7066724 Gmdrm	hypo	CHG	-0.33
Gm18	7067214	7067572 Gmdrm	hypo	CHG	-0.3643
Gm18	7072822	7072884 Gmdrm	hypo	CHG	-0.1586
Gm18	7073041	7073379 Gmdrm	hypo	CHG	-0.8477
Gm18	7073568	7074052 Gmdrm	hypo	CHG	-0.295
Gm18	7092653	7092772 Gmdrm	hypo	CHG	-0.9327
Gm18	7092931	7093329 Gmdrm	hypo	CHG	-0.8238
Gm18	7118444	7118887 Gmdrm	hypo	CHG	-0.1115
Gm18	7124332	7124610 Gmdrm	hypo	CHG	-0.9108
Gm18	7128623	7128724 Gmdrm	hypo	CHG	-0.189
Gm18	7130832	7131138 Gmdrm	hypo	CHG	-0.4765
Gm18	7131268	7131411 Gmdrm	hypo	CHG	-0.722
Gm18	7131589	7131821 Gmdrm	hypo	CHG	-0.7067
Gm18	7132043	7132408 Gmdrm	hypo	CHG	-0.631
Gm18	7132884	7133076 Gmdrm	hypo	CHG	-0.6637
Gm18	7133250	7133598 Gmdrm	hypo	CHG	-0.7015
Gm18	7133917	7134290 Gmdrm	hypo	CHG	-0.5943
Gm18	7135607	7136088 Gmdrm	hypo	CHG	-0.1365
Gm18	7142747	7142783 Gmdrm	hypo	CHG	-0.0617
Gm18	7152707	7152859 Gmdrm	hypo	CHG	-0.04
Gm18	7154690	7154804 Gmdrm	hypo	CHG	-0.05
Gm18	7171040	7171213 Gmdrm	hypo	CHG	-0.3433
Gm18	7179187	7179288 Gmdrm	hypo	CHG	-0.558
Gm18	7179583	7179705 Gmdrm	hypo	CHG	-0.6333
Gm18	7189568	7189641 Gmdrm	hypo	CHG	-0.035
Gm18	7195585	7195622 Gmdrm	hypo	CHG	-0.8986
Gm18	7198794	7198962 Gmdrm	hypo	CHG	-0.319
Gm18	7207372	7207437 Gmdrm	hypo	CHG	-0.098
Gm18	7236526	7236751 Gmdrm	hypo	CHG	-0.4145
Gm18	7242988	7243240 Gmdrm	hypo	CHG	-0.0257
Gm18	7243590	7243742 Gmdrm	hypo	CHG	-0.2349
Gm18	7256029	7256184 Gmdrm	hypo	CHG	-0.614
Gm18	7282203	7282326 Gmdrm	hypo	CHG	-0.3657
Gm18	7288759	7288898 Gmdrm	hypo	CHG	-0.504
Gm18	7290219	7290341 Gmdrm	hypo	CHG	-0.522
Gm18	7292976	7293315 Gmdrm	hypo	CHG	-0.2593

Gm18	7314571	7315033	Gmdrm	hypo	CHG	-0.6669
Gm18	7317912	7317949	Gmdrm	hypo	CHG	-0.7687
Gm18	7322182	7322539	Gmdrm	hypo	CHG	-0.28
Gm18	7363594	7363673	Gmdrm	hypo	CHG	-0.333
Gm18	7364365	7364382	Gmdrm	hypo	CHG	-0.682
Gm18	7370389	7370541	Gmdrm	hypo	CHG	-0.415
Gm18	7375158	7375354	Gmdrm	hypo	CHG	-0.526
Gm18	7392459	7392633	Gmdrm	hypo	CHG	-0.05
Gm18	7423241	7423634	Gmdrm	hypo	CHG	-0.0592
Gm18	7424643	7424698	Gmdrm	hypo	CHG	-0.034
Gm18	7431707	7431818	Gmdrm	hypo	CHG	-0.1634
Gm18	7432917	7433079	Gmdrm	hypo	CHG	-0.592
Gm18	7435851	7435927	Gmdrm	hypo	CHG	-0.75
Gm18	7453363	7453394	Gmdrm	hypo	CHG	-0.115
Gm18	7454295	7454443	Gmdrm	hypo	CHG	-0.7775
Gm18	7455756	7456062	Gmdrm	hypo	CHG	-0.15
Gm18	7470101	7470417	Gmdrm	hypo	CHG	-0.562
Gm18	7477571	7477603	Gmdrm	hypo	CHG	-0.652
Gm18	7479792	7479927	Gmdrm	hypo	CHG	-0.3682
Gm18	7480094	7480210	Gmdrm	hypo	CHG	-0.4633
Gm18	7480380	7480980	Gmdrm	hypo	CHG	-0.3687
Gm18	7496544	7496605	Gmdrm	hypo	CHG	-0.0666
Gm18	7498731	7498856	Gmdrm	hypo	CHG	-0.3483
Gm18	7499009	7499401	Gmdrm	hypo	CHG	-0.2843
Gm18	7522197	7522531	Gmdrm	hypo	CHG	-0.3306
Gm18	7530996	7531182	Gmdrm	hypo	CHG	-0.3511
Gm18	7531500	7531620	Gmdrm	hypo	CHG	-0.2475
Gm18	7548093	7548223	Gmdrm	hypo	CHG	-0.058
Gm18	7562360	7562696	Gmdrm	hypo	CHG	-0.24
Gm18	7563054	7563681	Gmdrm	hypo	CHG	-0.2352
Gm18	7563822	7564113	Gmdrm	hypo	CHG	-0.3439
Gm18	7564225	7564336	Gmdrm	hypo	CHG	-0.7562
Gm18	7564463	7564694	Gmdrm	hypo	CHG	-0.595
Gm18	7569731	7570039	Gmdrm	hypo	CHG	-0.236
Gm18	7576059	7576125	Gmdrm	hypo	CHG	-0.3117
Gm18	7578028	7578160	Gmdrm	hypo	CHG	-0.5713
Gm18	7578425	7578601	Gmdrm	hypo	CHG	-0.5986
Gm18	7599471	7599542	Gmdrm	hypo	CHG	-0.544
Gm18	7602214	7602315	Gmdrm	hypo	CHG	-0.355
Gm18	7602615	7602807	Gmdrm	hypo	CHG	-0.533
Gm18	7604511	7604842	Gmdrm	hypo	CHG	-0.5946
Gm18	7605479	7605560	Gmdrm	hypo	CHG	-0.9254
Gm18	7605991	7606107	Gmdrm	hypo	CHG	-0.7
Gm18	7641233	7641457	Gmdrm	hypo	CHG	-0.3458
Gm18	7656871	7657189	Gmdrm	hypo	CHG	-0.7215
Gm18	7673255	7673813	Gmdrm	hypo	CHG	-0.1875

Gm18	7692733	7692862	Gmdrm	hypo	CHG	-0.251
Gm18	7706379	7706563	Gmdrm	hypo	CHG	-0.288
Gm18	7717733	7717809	Gmdrm	hypo	CHG	-0.796
Gm18	7717919	7718256	Gmdrm	hypo	CHG	-0.7669
Gm18	7761721	7761798	Gmdrm	hypo	CHG	-0.226
Gm18	7762809	7763134	Gmdrm	hypo	CHG	-0.2984
Gm18	7795013	7795213	Gmdrm	hypo	CHG	-0.38
Gm18	7795448	7795664	Gmdrm	hypo	CHG	-0.5146
Gm18	7797942	7798416	Gmdrm	hypo	CHG	-0.06
Gm18	7805035	7805436	Gmdrm	hypo	CHG	-0.3979
Gm18	7815343	7816335	Gmdrm	hypo	CHG	-0.337
Gm18	7819142	7819553	Gmdrm	hypo	CHG	-0.5062
Gm18	7819656	7819743	Gmdrm	hypo	CHG	-0.6857
Gm18	7821079	7821265	Gmdrm	hypo	CHG	-0.046
Gm18	7822406	7822503	Gmdrm	hypo	CHG	-0.062
Gm18	7856656	7856794	Gmdrm	hypo	CHG	-0.4914
Gm18	7866102	7866321	Gmdrm	hypo	CHG	-0.2473
Gm18	7869037	7869126	Gmdrm	hypo	CHG	-0.526
Gm18	7869236	7869314	Gmdrm	hypo	CHG	-0.705
Gm18	7869510	7869668	Gmdrm	hypo	CHG	-0.631
Gm18	7869800	7869988	Gmdrm	hypo	CHG	-0.8082
Gm18	7870191	7870246	Gmdrm	hypo	CHG	-0.8772
Gm18	7877881	7878330	Gmdrm	hypo	CHG	-0.7617
Gm18	7878474	7878699	Gmdrm	hypo	CHG	-0.48
Gm18	7878962	7879171	Gmdrm	hypo	CHG	-0.6822
Gm18	7879285	7879380	Gmdrm	hypo	CHG	-0.346
Gm18	7879702	7879938	Gmdrm	hypo	CHG	-0.2092
Gm18	7880857	7881094	Gmdrm	hypo	CHG	-0.3431
Gm18	7887665	7887812	Gmdrm	hypo	CHG	-0.052
Gm18	7893113	7893339	Gmdrm	hypo	CHG	-0.0578
Gm18	7897983	7898164	Gmdrm	hypo	CHG	-0.04
Gm18	7915222	7915963	Gmdrm	hypo	CHG	-0.0347
Gm18	7924977	7925059	Gmdrm	hypo	CHG	-0.2183
Gm18	7933737	7933767	Gmdrm	hypo	CHG	-0.078
Gm18	7935269	7935503	Gmdrm	hypo	CHG	-0.11
Gm18	7936439	7936546	Gmdrm	hypo	CHG	-0.7826
Gm18	7936677	7936835	Gmdrm	hypo	CHG	-0.6227
Gm18	7937204	7937387	Gmdrm	hypo	CHG	-0.494
Gm18	7943379	7943486	Gmdrm	hypo	CHG	-0.7383
Gm18	7943636	7943779	Gmdrm	hypo	CHG	-0.561
Gm18	7943906	7944281	Gmdrm	hypo	CHG	-0.5186
Gm18	7947076	7947134	Gmdrm	hypo	CHG	-0.2817
Gm18	7955173	7956085	Gmdrm	hypo	CHG	-0.1437
Gm18	7973895	7974086	Gmdrm	hypo	CHG	-0.17
Gm18	7975474	7975604	Gmdrm	hypo	CHG	-0.062
Gm18	7976478	7976596	Gmdrm	hypo	CHG	-0.3966

Gm18	7976846	7976991	Gmdrm	hypo	CHG	-0.4375
Gm18	7977118	7977382	Gmdrm	hypo	CHG	-0.3817
Gm18	7995821	7996410	Gmdrm	hypo	CHG	-0.19
Gm18	8021085	8021201	Gmdrm	hypo	CHG	-0.28
Gm18	8021686	8022274	Gmdrm	hypo	CHG	-0.325
Gm18	8024402	8024697	Gmdrm	hypo	CHG	-0.685
Gm18	8024800	8024971	Gmdrm	hypo	CHG	-0.5134
Gm18	8032355	8032916	Gmdrm	hypo	CHG	-0.3356
Gm18	8033049	8033089	Gmdrm	hypo	CHG	-0.066
Gm18	8036352	8036496	Gmdrm	hypo	CHG	-0.3226
Gm18	8042757	8043359	Gmdrm	hypo	CHG	-0.2525
Gm18	8045782	8046096	Gmdrm	hypo	CHG	-0.3285
Gm18	8065722	8065876	Gmdrm	hypo	CHG	-0.1415
Gm18	8100634	8100819	Gmdrm	hypo	CHG	-0.2364
Gm18	8117910	8118213	Gmdrm	hypo	CHG	-0.18
Gm18	8149008	8149291	Gmdrm	hypo	CHG	-0.194
Gm18	8187544	8187939	Gmdrm	hypo	CHG	-0.16
Gm18	8189702	8189817	Gmdrm	hypo	CHG	-0.082
Gm18	8196034	8196134	Gmdrm	hypo	CHG	-0.3909
Gm18	8196725	8196854	Gmdrm	hypo	CHG	-0.3715
Gm18	8197195	8197390	Gmdrm	hypo	CHG	-0.277
Gm18	8210691	8211189	Gmdrm	hypo	CHG	-0.1648
Gm18	8224185	8224386	Gmdrm	hypo	CHG	-0.035
Gm18	8237277	8237547	Gmdrm	hypo	CHG	-0.1836
Gm18	8238752	8238917	Gmdrm	hypo	CHG	-0.1189
Gm18	8248953	8249247	Gmdrm	hypo	CHG	-0.25
Gm18	8306127	8306263	Gmdrm	hypo	CHG	-0.7933
Gm18	8307108	8307398	Gmdrm	hypo	CHG	-0.3061
Gm18	8319254	8319344	Gmdrm	hypo	CHG	-0.816
Gm18	8319576	8319689	Gmdrm	hypo	CHG	-0.1333
Gm18	8323749	8324387	Gmdrm	hypo	CHG	-0.421
Gm18	8349522	8349787	Gmdrm	hypo	CHG	-0.3807
Gm18	8349929	8350036	Gmdrm	hypo	CHG	-0.4643
Gm18	8353187	8353509	Gmdrm	hypo	CHG	-0.5122
Gm18	8354172	8354425	Gmdrm	hypo	CHG	-0.4343
Gm18	8366350	8366547	Gmdrm	hypo	CHG	-0.2169
Gm18	8366721	8366786	Gmdrm	hypo	CHG	-0.5484
Gm18	8367538	8367612	Gmdrm	hypo	CHG	-0.8033
Gm18	8373612	8373707	Gmdrm	hypo	CHG	-0.06
Gm18	8374851	8374996	Gmdrm	hypo	CHG	-0.3086
Gm18	8398509	8398685	Gmdrm	hypo	CHG	-0.4615
Gm18	8404554	8404795	Gmdrm	hypo	CHG	-0.1962
Gm18	8404922	8405258	Gmdrm	hypo	CHG	-0.2947
Gm18	8405776	8405800	Gmdrm	hypo	CHG	-0.44
Gm18	8405918	8406497	Gmdrm	hypo	CHG	-0.1223
Gm18	8409881	8410401	Gmdrm	hypo	CHG	-0.225

Gm18	8410569	8410837	Gmdrm	hypo	CHG	-0.2047
Gm18	8411694	8412349	Gmdrm	hypo	CHG	-0.2431
Gm18	8415108	8415498	Gmdrm	hypo	CHG	-0.2712
Gm18	8416540	8417039	Gmdrm	hypo	CHG	-0.5087
Gm18	8429032	8429208	Gmdrm	hypo	CHG	-0.0917
Gm18	8433687	8433941	Gmdrm	hypo	CHG	-0.2313
Gm18	8438053	8438258	Gmdrm	hypo	CHG	-0.5471
Gm18	8452441	8452518	Gmdrm	hypo	CHG	-0.658
Gm18	8457582	8457778	Gmdrm	hypo	CHG	-0.203
Gm18	8458117	8458210	Gmdrm	hypo	CHG	-0.606
Gm18	8473708	8473852	Gmdrm	hypo	CHG	-0.3834
Gm18	8481892	8482058	Gmdrm	hypo	CHG	-0.3325
Gm18	8511631	8512239	Gmdrm	hypo	CHG	-0.3828
Gm18	8517744	8517827	Gmdrm	hypo	CHG	-0.172
Gm18	8578194	8578298	Gmdrm	hypo	CHG	-0.57
Gm18	8578400	8578692	Gmdrm	hypo	CHG	-0.6572
Gm18	8579477	8579507	Gmdrm	hypo	CHG	-0.365
Gm18	8580760	8580855	Gmdrm	hypo	CHG	-0.3933
Gm18	8580996	8581166	Gmdrm	hypo	CHG	-0.2131
Gm18	8581560	8581705	Gmdrm	hypo	CHG	-0.2925
Gm18	8582753	8582888	Gmdrm	hypo	CHG	-0.094
Gm18	8594875	8595275	Gmdrm	hypo	CHG	-0.146
Gm18	8604073	8604402	Gmdrm	hypo	CHG	-0.0783
Gm18	8604510	8604679	Gmdrm	hypo	CHG	-0.2336
Gm18	8608517	8608659	Gmdrm	hypo	CHG	-0.2486
Gm18	8610059	8610144	Gmdrm	hypo	CHG	-0.1667
Gm18	8610348	8611335	Gmdrm	hypo	CHG	-0.1999
Gm18	8611354	8612016	Gmdrm	hypo	CHG	-0.2651
Gm18	8612274	8612505	Gmdrm	hypo	CHG	-0.31
Gm18	8617245	8617435	Gmdrm	hypo	CHG	-0.0386
Gm18	8621364	8621504	Gmdrm	hypo	CHG	-0.0483
Gm18	8626467	8626533	Gmdrm	hypo	CHG	-0.106
Gm18	8633779	8633829	Gmdrm	hypo	CHG	-0.5025
Gm18	8633986	8634285	Gmdrm	hypo	CHG	-0.45
Gm18	8636602	8636949	Gmdrm	hypo	CHG	-0.2217
Gm18	8637102	8637260	Gmdrm	hypo	CHG	-0.3059
Gm18	8638662	8638698	Gmdrm	hypo	CHG	-0.06
Gm18	8655297	8655385	Gmdrm	hypo	CHG	-0.1591
Gm18	8655988	8656131	Gmdrm	hypo	CHG	-0.0517
Gm18	8656865	8657070	Gmdrm	hypo	CHG	-0.0963
Gm18	8657388	8657615	Gmdrm	hypo	CHG	-0.135
Gm18	8659573	8659668	Gmdrm	hypo	CHG	-0.454
Gm18	8659809	8660001	Gmdrm	hypo	CHG	-0.4579
Gm18	8660366	8660495	Gmdrm	hypo	CHG	-0.3614
Gm18	8660643	8660752	Gmdrm	hypo	CHG	-0.28
Gm18	8661758	8661932	Gmdrm	hypo	CHG	-0.1289

Gm18	8663440	8663539	Gmdrm	hypo	CHG	-0.0838
Gm18	8673519	8674122	Gmdrm	hypo	CHG	-0.077
Gm18	8674931	8675196	Gmdrm	hypo	CHG	-0.0823
Gm18	8676259	8676563	Gmdrm	hypo	CHG	-0.11
Gm18	8704458	8704512	Gmdrm	hypo	CHG	-0.1033
Gm18	8707106	8707203	Gmdrm	hypo	CHG	-0.3612
Gm18	8710955	8711037	Gmdrm	hypo	CHG	-0.165
Gm18	8730311	8730502	Gmdrm	hypo	CHG	-0.142
Gm18	8735130	8735276	Gmdrm	hypo	CHG	-0.1771
Gm18	8735840	8736121	Gmdrm	hypo	CHG	-0.6447
Gm18	8737815	8737960	Gmdrm	hypo	CHG	-0.345
Gm18	8738657	8738777	Gmdrm	hypo	CHG	-0.3589
Gm18	8739500	8739990	Gmdrm	hypo	CHG	-0.4306
Gm18	8740204	8740284	Gmdrm	hypo	CHG	-0.515
Gm18	8740436	8740635	Gmdrm	hypo	CHG	-0.5633
Gm18	8740910	8740942	Gmdrm	hypo	CHG	-0.275
Gm18	8744367	8744378	Gmdrm	hypo	CHG	-0.128
Gm18	8745032	8745193	Gmdrm	hypo	CHG	-0.1785
Gm18	8745532	8746013	Gmdrm	hypo	CHG	-0.1127
Gm18	8746160	8746186	Gmdrm	hypo	CHG	-0.0934
Gm18	8746337	8746599	Gmdrm	hypo	CHG	-0.191
Gm18	8746764	8747205	Gmdrm	hypo	CHG	-0.5222
Gm18	8747313	8747778	Gmdrm	hypo	CHG	-0.4672
Gm18	8755378	8756018	Gmdrm	hypo	CHG	-0.1134
Gm18	8757816	8758656	Gmdrm	hypo	CHG	-0.1652
Gm18	8760115	8760246	Gmdrm	hypo	CHG	-0.3033
Gm18	8771895	8771992	Gmdrm	hypo	CHG	-0.353
Gm18	8813216	8813246	Gmdrm	hypo	CHG	-0.6434
Gm18	8825481	8825774	Gmdrm	hypo	CHG	-0.7958
Gm18	8828515	8828782	Gmdrm	hypo	CHG	-0.4334
Gm18	8835213	8835358	Gmdrm	hypo	CHG	-0.4007
Gm18	8849844	8850168	Gmdrm	hypo	CHG	-0.1064
Gm18	8858664	8858784	Gmdrm	hypo	CHG	-0.612
Gm18	8890105	8890506	Gmdrm	hypo	CHG	-0.4022
Gm18	8890608	8890889	Gmdrm	hypo	CHG	-0.79
Gm18	8891085	8891495	Gmdrm	hypo	CHG	-0.5
Gm18	8891628	8891804	Gmdrm	hypo	CHG	-0.43
Gm18	8891934	8892215	Gmdrm	hypo	CHG	-0.4082
Gm18	8892472	8892659	Gmdrm	hypo	CHG	-0.4655
Gm18	8893033	8893312	Gmdrm	hypo	CHG	-0.4285
Gm18	8893534	8893587	Gmdrm	hypo	CHG	-0.378
Gm18	8895349	8895585	Gmdrm	hypo	CHG	-0.1936
Gm18	8899542	8899821	Gmdrm	hypo	CHG	-0.3278
Gm18	8923101	8923851	Gmdrm	hypo	CHG	-0.0839
Gm18	8932122	8932241	Gmdrm	hypo	CHG	-0.4362
Gm18	8941743	8942074	Gmdrm	hypo	CHG	-0.478

Gm18	8984475	8984529	Gmdrm	hypo	CHG	-0.144
Gm18	8986561	8986843	Gmdrm	hypo	CHG	-0.2513
Gm18	8989331	8989540	Gmdrm	hypo	CHG	-0.2317
Gm18	8989712	8989855	Gmdrm	hypo	CHG	-0.602
Gm18	8990086	8990177	Gmdrm	hypo	CHG	-0.5025
Gm18	8991671	8991712	Gmdrm	hypo	CHG	-0.584
Gm18	9005011	9005619	Gmdrm	hypo	CHG	-0.7372
Gm18	9005767	9005893	Gmdrm	hypo	CHG	-0.475
Gm18	9006540	9006915	Gmdrm	hypo	CHG	-0.236
Gm18	9018791	9018971	Gmdrm	hypo	CHG	-0.2369
Gm18	9036623	9036863	Gmdrm	hypo	CHG	-0.0457
Gm18	9039565	9040375	Gmdrm	hypo	CHG	-0.1869
Gm18	9040613	9040959	Gmdrm	hypo	CHG	-0.4105
Gm18	9041061	9041100	Gmdrm	hypo	CHG	-0.345
Gm18	9041954	9042153	Gmdrm	hypo	CHG	-0.302
Gm18	9042278	9042520	Gmdrm	hypo	CHG	-0.292
Gm18	9043802	9043921	Gmdrm	hypo	CHG	-0.2362
Gm18	9044033	9044232	Gmdrm	hypo	CHG	-0.3289
Gm18	9044387	9045164	Gmdrm	hypo	CHG	-0.199
Gm18	9062984	9063651	Gmdrm	hypo	CHG	-0.5603
Gm18	9068708	9068906	Gmdrm	hypo	CHG	-0.0808
Gm18	9093718	9093935	Gmdrm	hypo	CHG	-0.7131
Gm18	9121107	9121306	Gmdrm	hypo	CHG	-0.6
Gm18	9140635	9140903	Gmdrm	hypo	CHG	-0.7354
Gm18	9142160	9142423	Gmdrm	hypo	CHG	-0.3713
Gm18	9169237	9169424	Gmdrm	hypo	CHG	-0.4056
Gm18	9185848	9186104	Gmdrm	hypo	CHG	-0.5634
Gm18	9188683	9188946	Gmdrm	hypo	CHG	-0.1068
Gm18	9200280	9200390	Gmdrm	hypo	CHG	-0.6157
Gm18	9212164	9212556	Gmdrm	hypo	CHG	-0.2329
Gm18	9223327	9223676	Gmdrm	hypo	CHG	-0.0478
Gm18	9223826	9223960	Gmdrm	hypo	CHG	-0.07
Gm18	9228696	9228839	Gmdrm	hypo	CHG	-0.8312
Gm18	9270707	9271008	Gmdrm	hypo	CHG	-0.1667
Gm18	9279816	9279851	Gmdrm	hypo	CHG	-0.644
Gm18	9281275	9281590	Gmdrm	hypo	CHG	-0.8821
Gm18	9289753	9289909	Gmdrm	hypo	CHG	-0.5317
Gm18	9316074	9316229	Gmdrm	hypo	CHG	-0.046
Gm18	9317756	9318092	Gmdrm	hypo	CHG	-0.4669
Gm18	9318969	9319314	Gmdrm	hypo	CHG	-0.8281
Gm18	9343900	9344486	Gmdrm	hypo	CHG	-0.185
Gm18	9358256	9358447	Gmdrm	hypo	CHG	-0.325
Gm18	9361281	9361662	Gmdrm	hypo	CHG	-0.3583
Gm18	9370643	9371068	Gmdrm	hypo	CHG	-0.1005
Gm18	9422228	9422797	Gmdrm	hypo	CHG	-0.4018
Gm18	9424326	9424602	Gmdrm	hypo	CHG	-0.05

Gm18	9443690	9444134	Gmdrm	hypo	CHG	-0.1503
Gm18	9446385	9446480	Gmdrm	hypo	CHG	-0.3243
Gm18	9459316	9459398	Gmdrm	hypo	CHG	-0.12
Gm18	9463804	9464110	Gmdrm	hypo	CHG	-0.3034
Gm18	9489639	9489989	Gmdrm	hypo	CHG	-0.0866
Gm18	9490196	9490325	Gmdrm	hypo	CHG	-0.1778
Gm18	9490447	9491426	Gmdrm	hypo	CHG	-0.1183
Gm18	9498822	9498867	Gmdrm	hypo	CHG	-0.1622
Gm18	9499014	9499243	Gmdrm	hypo	CHG	-0.2726
Gm18	9503759	9503772	Gmdrm	hypo	CHG	-0.13
Gm18	9504309	9504701	Gmdrm	hypo	CHG	-0.0136
Gm18	9508289	9508968	Gmdrm	hypo	CHG	-0.4348
Gm18	9525277	9526078	Gmdrm	hypo	CHG	-0.266
Gm18	9530449	9530614	Gmdrm	hypo	CHG	-0.302
Gm18	9530850	9531074	Gmdrm	hypo	CHG	-0.0388
Gm18	9534416	9534478	Gmdrm	hypo	CHG	-0.29
Gm18	9536717	9536777	Gmdrm	hypo	CHG	-0.3778
Gm18	9555461	9555835	Gmdrm	hypo	CHG	-0.7985
Gm18	9567067	9567171	Gmdrm	hypo	CHG	-0.3313
Gm18	9567925	9568293	Gmdrm	hypo	CHG	-0.6353
Gm18	9573708	9573841	Gmdrm	hypo	CHG	-0.056
Gm18	9588524	9589471	Gmdrm	hypo	CHG	-0.2274
Gm18	9593375	9593477	Gmdrm	hypo	CHG	-0.3633
Gm18	9595107	9595311	Gmdrm	hypo	CHG	-0.315
Gm18	9610587	9610735	Gmdrm	hypo	CHG	-0.054
Gm18	9613294	9613584	Gmdrm	hypo	CHG	-0.2743
Gm18	9616527	9616617	Gmdrm	hypo	CHG	-0.0566
Gm18	9635767	9635933	Gmdrm	hypo	CHG	-0.5
Gm18	9636056	9636564	Gmdrm	hypo	CHG	-0.5468
Gm18	9638631	9638665	Gmdrm	hypo	CHG	-0.38
Gm18	9638968	9639298	Gmdrm	hypo	CHG	-0.2547
Gm18	9639399	9639665	Gmdrm	hypo	CHG	-0.4493
Gm18	9639815	9639904	Gmdrm	hypo	CHG	-0.586
Gm18	9640073	9640687	Gmdrm	hypo	CHG	-0.6496
Gm18	9640839	9640908	Gmdrm	hypo	CHG	-0.5083
Gm18	9663535	9663911	Gmdrm	hypo	CHG	-0.4508
Gm18	9668606	9668736	Gmdrm	hypo	CHG	-0.405
Gm18	9668873	9669122	Gmdrm	hypo	CHG	-0.2507
Gm18	9688275	9688821	Gmdrm	hypo	CHG	-0.2061
Gm18	9696144	9696549	Gmdrm	hypo	CHG	-0.555
Gm18	9696672	9696906	Gmdrm	hypo	CHG	-0.324
Gm18	9698253	9698360	Gmdrm	hypo	CHG	-0.33
Gm18	9698463	9698599	Gmdrm	hypo	CHG	-0.042
Gm18	9699009	9699173	Gmdrm	hypo	CHG	-0.7046
Gm18	9704671	9704721	Gmdrm	hypo	CHG	-0.5
Gm18	9704829	9705189	Gmdrm	hypo	CHG	-0.7239

Gm18	9706650	9707114	Gmdrm	hypo	CHG	-0.4881
Gm18	9716410	9716702	Gmdrm	hypo	CHG	-0.5678
Gm18	9723666	9723743	Gmdrm	hypo	CHG	-0.202
Gm18	9724581	9724831	Gmdrm	hypo	CHG	-0.3817
Gm18	9725219	9725464	Gmdrm	hypo	CHG	-0.161
Gm18	9732571	9732649	Gmdrm	hypo	CHG	-0.3616
Gm18	9738485	9738742	Gmdrm	hypo	CHG	-0.6245
Gm18	9753525	9753898	Gmdrm	hypo	CHG	-0.3374
Gm18	9766987	9767403	Gmdrm	hypo	CHG	-0.3624
Gm18	9767566	9767714	Gmdrm	hypo	CHG	-0.2759
Gm18	9777924	9778140	Gmdrm	hypo	CHG	-0.2162
Gm18	9778267	9778355	Gmdrm	hypo	CHG	-0.3345
Gm18	9781198	9781585	Gmdrm	hypo	CHG	-0.1684
Gm18	9781688	9782186	Gmdrm	hypo	CHG	-0.4121
Gm18	9782590	9782784	Gmdrm	hypo	CHG	-0.4869
Gm18	9783343	9783796	Gmdrm	hypo	CHG	-0.5553
Gm18	9798100	9798147	Gmdrm	hypo	CHG	-0.41
Gm18	9809267	9810251	Gmdrm	hypo	CHG	-0.1006
Gm18	9811924	9812277	Gmdrm	hypo	CHG	-0.3462
Gm18	9816976	9817202	Gmdrm	hypo	CHG	-0.0344
Gm18	9843281	9843402	Gmdrm	hypo	CHG	-0.105
Gm18	9849075	9849425	Gmdrm	hypo	CHG	-0.1744
Gm18	9859808	9859964	Gmdrm	hypo	CHG	-0.044
Gm18	9861120	9861143	Gmdrm	hypo	CHG	-0.52
Gm18	9872906	9873098	Gmdrm	hypo	CHG	-0.4457
Gm18	9880681	9880731	Gmdrm	hypo	CHG	-0.7467
Gm18	9880840	9880954	Gmdrm	hypo	CHG	-0.5871
Gm18	9906245	9906613	Gmdrm	hypo	CHG	-0.2517
Gm18	9923951	9924028	Gmdrm	hypo	CHG	-0.61
Gm18	9924650	9925010	Gmdrm	hypo	CHG	-0.3053
Gm18	9937510	9937898	Gmdrm	hypo	CHG	-0.4931
Gm18	9979769	9979839	Gmdrm	hypo	CHG	-0.248
Gm18	9991548	9991695	Gmdrm	hypo	CHG	-0.5466
Gm18	9991864	9992035	Gmdrm	hypo	CHG	-0.7891
Gm18	9992168	9992398	Gmdrm	hypo	CHG	-0.6811
Gm18	9992621	9992983	Gmdrm	hypo	CHG	-0.475
Gm18	10077188	10077536	Gmdrm	hypo	CHG	-0.2259
Gm18	10113761	10113928	Gmdrm	hypo	CHG	-0.0566
Gm18	10117914	10118006	Gmdrm	hypo	CHG	-0.3562
Gm18	10118626	10118768	Gmdrm	hypo	CHG	-0.3288
Gm18	10128814	10129141	Gmdrm	hypo	CHG	-0.265
Gm18	10154536	10154621	Gmdrm	hypo	CHG	-0.045
Gm18	10168198	10168450	Gmdrm	hypo	CHG	-0.3925
Gm18	10169152	10169458	Gmdrm	hypo	CHG	-0.0839
Gm18	10177538	10177703	Gmdrm	hypo	CHG	-0.0333
Gm18	10181981	10182081	Gmdrm	hypo	CHG	-0.66

Gm18	10182799	10182877	Gmdrm	hypo	CHG	-0.652
Gm18	10191868	10191944	Gmdrm	hypo	CHG	-0.1471
Gm18	10192130	10193098	Gmdrm	hypo	CHG	-0.7563
Gm18	10193152	10194145	Gmdrm	hypo	CHG	-0.5572
Gm18	10194226	10195211	Gmdrm	hypo	CHG	-0.4941
Gm18	10195239	10196213	Gmdrm	hypo	CHG	-0.2582
Gm18	10202968	10203495	Gmdrm	hypo	CHG	-0.1434
Gm18	10204168	10204236	Gmdrm	hypo	CHG	-0.0643
Gm18	10204665	10204844	Gmdrm	hypo	CHG	-0.3207
Gm18	10205026	10205311	Gmdrm	hypo	CHG	-0.3395
Gm18	10205433	10205940	Gmdrm	hypo	CHG	-0.4474
Gm18	10206066	10207009	Gmdrm	hypo	CHG	-0.1827
Gm18	10217346	10217413	Gmdrm	hypo	CHG	-0.1634
Gm18	10220310	10220571	Gmdrm	hypo	CHG	-0.705
Gm18	10221067	10221202	Gmdrm	hypo	CHG	-0.6438
Gm18	10264568	10264928	Gmdrm	hypo	CHG	-0.2189
Gm18	10265038	10265252	Gmdrm	hypo	CHG	-0.2453
Gm18	10279840	10280257	Gmdrm	hypo	CHG	-0.1941
Gm18	10281553	10281633	Gmdrm	hypo	CHG	-0.4267
Gm18	10281833	10282085	Gmdrm	hypo	CHG	-0.7609
Gm18	10284404	10284563	Gmdrm	hypo	CHG	-0.32
Gm18	10370944	10371226	Gmdrm	hypo	CHG	-0.4255
Gm18	10373041	10373445	Gmdrm	hypo	CHG	-0.7679
Gm18	10381701	10381971	Gmdrm	hypo	CHG	-0.3766
Gm18	10413490	10413570	Gmdrm	hypo	CHG	-0.3416
Gm18	10414424	10414566	Gmdrm	hypo	CHG	-0.069
Gm18	10416722	10416890	Gmdrm	hypo	CHG	-0.3013
Gm18	10490012	10490095	Gmdrm	hypo	CHG	-0.469
Gm18	10517198	10517238	Gmdrm	hypo	CHG	-0.135
Gm18	10549989	10550705	Gmdrm	hypo	CHG	-0.2044
Gm18	10551593	10552539	Gmdrm	hypo	CHG	-0.5655
Gm18	10601995	10602358	Gmdrm	hypo	CHG	-0.2944
Gm18	10631973	10632225	Gmdrm	hypo	CHG	-0.1863
Gm18	10664687	10664788	Gmdrm	hypo	CHG	-0.452
Gm18	10688764	10688964	Gmdrm	hypo	CHG	-0.6511
Gm18	10729116	10729467	Gmdrm	hypo	CHG	-0.465
Gm18	10730132	10730385	Gmdrm	hypo	CHG	-0.375
Gm18	10730859	10731319	Gmdrm	hypo	CHG	-0.5206
Gm18	10738021	10738991	Gmdrm	hypo	CHG	-0.6479
Gm18	10777306	10777410	Gmdrm	hypo	CHG	-0.2712
Gm18	10784422	10784864	Gmdrm	hypo	CHG	-0.254
Gm18	10808438	10809428	Gmdrm	hypo	CHG	-0.2874
Gm18	10815719	10815975	Gmdrm	hypo	CHG	-0.4215
Gm18	10820780	10820968	Gmdrm	hypo	CHG	-0.3764
Gm18	10854282	10854378	Gmdrm	hypo	CHG	-0.3967
Gm18	10854807	10855290	Gmdrm	hypo	CHG	-0.3155

Gm18	10855391	10855508	Gmdrm	hypo	CHG	-0.8509
Gm18	10862689	10862943	Gmdrm	hypo	CHG	-0.4759
Gm18	10863171	10863219	Gmdrm	hypo	CHG	-0.84
Gm18	10863838	10863942	Gmdrm	hypo	CHG	-0.4757
Gm18	10876273	10876535	Gmdrm	hypo	CHG	-0.1621
Gm18	10883818	10883890	Gmdrm	hypo	CHG	-0.67
Gm18	10884063	10884378	Gmdrm	hypo	CHG	-0.1575
Gm18	10895198	10895262	Gmdrm	hypo	CHG	-0.5882
Gm18	10905967	10906076	Gmdrm	hypo	CHG	-0.7688
Gm18	10906580	10906693	Gmdrm	hypo	CHG	-0.34
Gm18	10937445	10937690	Gmdrm	hypo	CHG	-0.0433
Gm18	10958260	10958371	Gmdrm	hypo	CHG	-0.393
Gm18	11052212	11052345	Gmdrm	hypo	CHG	-0.0343
Gm18	11053049	11053191	Gmdrm	hypo	CHG	-0.869
Gm18	11053656	11053936	Gmdrm	hypo	CHG	-0.6024
Gm18	11063639	11063874	Gmdrm	hypo	CHG	-0.377
Gm18	11087436	11088434	Gmdrm	hypo	CHG	-0.105
Gm18	11168067	11168081	Gmdrm	hypo	CHG	-0.094
Gm18	11196261	11196442	Gmdrm	hypo	CHG	-0.032
Gm18	11196701	11196972	Gmdrm	hypo	CHG	-0.6564
Gm18	11197094	11197221	Gmdrm	hypo	CHG	-0.6889
Gm18	11202423	11202737	Gmdrm	hypo	CHG	-0.2954
Gm18	11217632	11217816	Gmdrm	hypo	CHG	-0.2324
Gm18	11252552	11253551	Gmdrm	hypo	CHG	-0.074
Gm18	11253553	11254542	Gmdrm	hypo	CHG	-0.081
Gm18	11255335	11256324	Gmdrm	hypo	CHG	-0.2698
Gm18	11258706	11259600	Gmdrm	hypo	CHG	-0.2425
Gm18	11271597	11271669	Gmdrm	hypo	CHG	-0.082
Gm18	11279425	11279684	Gmdrm	hypo	CHG	-0.2317
Gm18	11279965	11280109	Gmdrm	hypo	CHG	-0.4
Gm18	11280223	11280341	Gmdrm	hypo	CHG	-0.524
Gm18	11326244	11326667	Gmdrm	hypo	CHG	-0.241
Gm18	11326813	11326907	Gmdrm	hypo	CHG	-0.742
Gm18	11404507	11404539	Gmdrm	hypo	CHG	-0.1433
Gm18	11408357	11408866	Gmdrm	hypo	CHG	-0.4231
Gm18	11409259	11409405	Gmdrm	hypo	CHG	-0.345
Gm18	11412472	11412795	Gmdrm	hypo	CHG	-0.03
Gm18	11415782	11416735	Gmdrm	hypo	CHG	-0.3955
Gm18	11416923	11417692	Gmdrm	hypo	CHG	-0.2129
Gm18	11422853	11423126	Gmdrm	hypo	CHG	-0.094
Gm18	11431761	11432422	Gmdrm	hypo	CHG	-0.1891
Gm18	11460485	11460749	Gmdrm	hypo	CHG	-0.4147
Gm18	11467506	11467677	Gmdrm	hypo	CHG	-0.5789
Gm18	11473917	11474249	Gmdrm	hypo	CHG	-0.0369
Gm18	11476331	11476411	Gmdrm	hypo	CHG	-0.042
Gm18	11513550	11513636	Gmdrm	hypo	CHG	-0.435

Gm18	11514289	11514384	Gmdrm	hypo	CHG	-0.7715
Gm18	11515566	11515678	Gmdrm	hypo	CHG	-0.034
Gm18	11581231	11581555	Gmdrm	hypo	CHG	-0.5456
Gm18	11587767	11587956	Gmdrm	hypo	CHG	-0.038
Gm18	11619647	11619666	Gmdrm	hypo	CHG	-0.168
Gm18	11624066	11624644	Gmdrm	hypo	CHG	-0.0977
Gm18	11624818	11625079	Gmdrm	hypo	CHG	-0.5795
Gm18	11634642	11634973	Gmdrm	hypo	CHG	-0.12
Gm18	11638462	11638607	Gmdrm	hypo	CHG	-0.8465
Gm18	11639205	11639307	Gmdrm	hypo	CHG	-0.612
Gm18	11645322	11645747	Gmdrm	hypo	CHG	-0.0342
Gm18	11646099	11646253	Gmdrm	hypo	CHG	-0.58
Gm18	11647592	11648141	Gmdrm	hypo	CHG	-0.2022
Gm18	11652859	11652993	Gmdrm	hypo	CHG	-0.026
Gm18	11667549	11667599	Gmdrm	hypo	CHG	-0.305
Gm18	11669506	11669654	Gmdrm	hypo	CHG	-0.044
Gm18	11698194	11698280	Gmdrm	hypo	CHG	-0.2917
Gm18	11712379	11712548	Gmdrm	hypo	CHG	-0.565
Gm18	11747216	11747712	Gmdrm	hypo	CHG	-0.0389
Gm18	11772048	11772270	Gmdrm	hypo	CHG	-0.3354
Gm18	11802267	11802539	Gmdrm	hypo	CHG	-0.2821
Gm18	11803559	11803630	Gmdrm	hypo	CHG	-0.046
Gm18	11855873	11856144	Gmdrm	hypo	CHG	-0.0425
Gm18	11883085	11883157	Gmdrm	hypo	CHG	-0.1727
Gm18	11883433	11883492	Gmdrm	hypo	CHG	-0.605
Gm18	11883616	11883961	Gmdrm	hypo	CHG	-0.5736
Gm18	11898331	11898437	Gmdrm	hypo	CHG	-0.6616
Gm18	11918118	11918671	Gmdrm	hypo	CHG	-0.7553
Gm18	11922576	11922685	Gmdrm	hypo	CHG	-0.262
Gm18	11946256	11946337	Gmdrm	hypo	CHG	-0.5167
Gm18	11965577	11965856	Gmdrm	hypo	CHG	-0.2365
Gm18	11980783	11980858	Gmdrm	hypo	CHG	-0.7816
Gm18	11989546	11989677	Gmdrm	hypo	CHG	-0.7662
Gm18	11989778	11989950	Gmdrm	hypo	CHG	-0.4954
Gm18	11992722	11993230	Gmdrm	hypo	CHG	-0.2891
Gm18	12000737	12000880	Gmdrm	hypo	CHG	-0.68
Gm18	12003909	12004064	Gmdrm	hypo	CHG	-0.5425
Gm18	12005188	12005315	Gmdrm	hypo	CHG	-0.6383
Gm18	12005434	12005539	Gmdrm	hypo	CHG	-0.6333
Gm18	12017691	12017949	Gmdrm	hypo	CHG	-0.2832
Gm18	12018050	12018562	Gmdrm	hypo	CHG	-0.5393
Gm18	12023811	12023967	Gmdrm	hypo	CHG	-0.0343
Gm18	12024248	12024352	Gmdrm	hypo	CHG	-0.8367
Gm18	12036399	12036506	Gmdrm	hypo	CHG	-0.0615
Gm18	12041767	12041862	Gmdrm	hypo	CHG	-0.699
Gm18	12042023	12042051	Gmdrm	hypo	CHG	-0.7757

Gm18	12042345	12042621	Gmdrm	hypo	CHG	-0.483
Gm18	12043981	12044319	Gmdrm	hypo	CHG	-0.861
Gm18	12090143	12090326	Gmdrm	hypo	CHG	-0.5864
Gm18	12103714	12103942	Gmdrm	hypo	CHG	-0.6228
Gm18	12104782	12105143	Gmdrm	hypo	CHG	-0.5319
Gm18	12105291	12105358	Gmdrm	hypo	CHG	-0.63
Gm18	12107318	12107476	Gmdrm	hypo	CHG	-0.5227
Gm18	12133260	12133890	Gmdrm	hypo	CHG	-0.3137
Gm18	12135271	12135582	Gmdrm	hypo	CHG	-0.2518
Gm18	12141173	12141367	Gmdrm	hypo	CHG	-0.2988
Gm18	12145683	12145877	Gmdrm	hypo	CHG	-0.5113
Gm18	12149626	12149655	Gmdrm	hypo	CHG	-0.295
Gm18	12155380	12155485	Gmdrm	hypo	CHG	-0.51
Gm18	12160765	12160908	Gmdrm	hypo	CHG	-0.4672
Gm18	12250214	12250339	Gmdrm	hypo	CHG	-0.6529
Gm18	12250484	12250610	Gmdrm	hypo	CHG	-0.6433
Gm18	12251170	12251333	Gmdrm	hypo	CHG	-0.1514
Gm18	12281624	12282041	Gmdrm	hypo	CHG	-0.3275
Gm18	12282552	12282739	Gmdrm	hypo	CHG	-0.389
Gm18	12282974	12283005	Gmdrm	hypo	CHG	-0.3334
Gm18	12283123	12283275	Gmdrm	hypo	CHG	-0.378
Gm18	12283596	12283691	Gmdrm	hypo	CHG	-0.7233
Gm18	12310123	12310843	Gmdrm	hypo	CHG	-0.0164
Gm18	12355553	12355681	Gmdrm	hypo	CHG	-0.1337
Gm18	12498386	12498626	Gmdrm	hypo	CHG	-0.2579
Gm18	12551899	12552179	Gmdrm	hypo	CHG	-0.4031
Gm18	12553554	12553620	Gmdrm	hypo	CHG	-0.0886
Gm18	12554149	12554365	Gmdrm	hypo	CHG	-0.0629
Gm18	12583726	12583919	Gmdrm	hypo	CHG	-0.506
Gm18	12584451	12584655	Gmdrm	hypo	CHG	-0.048
Gm18	12596496	12596684	Gmdrm	hypo	CHG	-0.0312
Gm18	12682327	12682535	Gmdrm	hypo	CHG	-0.1561
Gm18	12686023	12686452	Gmdrm	hypo	CHG	-0.0555
Gm18	12710643	12710701	Gmdrm	hypo	CHG	-0.19
Gm18	12743158	12743515	Gmdrm	hypo	CHG	-0.5245
Gm18	12745476	12745585	Gmdrm	hypo	CHG	-0.4067
Gm18	12748347	12748405	Gmdrm	hypo	CHG	-0.4825
Gm18	12806747	12806831	Gmdrm	hypo	CHG	-0.502
Gm18	12836257	12836297	Gmdrm	hypo	CHG	-0.324
Gm18	12909949	12910168	Gmdrm	hypo	CHG	-0.4217
Gm18	12910470	12910596	Gmdrm	hypo	CHG	-0.52
Gm18	12911278	12911652	Gmdrm	hypo	CHG	-0.5654
Gm18	12997414	12997622	Gmdrm	hypo	CHG	-0.3833
Gm18	12999179	12999313	Gmdrm	hypo	CHG	-0.0325
Gm18	13015775	13015833	Gmdrm	hypo	CHG	-0.3266
Gm18	13023401	13023848	Gmdrm	hypo	CHG	-0.2474

Gm18	13049069	13049084	Gmdrm	hypo	CHG	-0.316
Gm18	13049225	13049353	Gmdrm	hypo	CHG	-0.4051
Gm18	13050926	13051215	Gmdrm	hypo	CHG	-0.39
Gm18	13052037	13052772	Gmdrm	hypo	CHG	-0.4404
Gm18	13057423	13058171	Gmdrm	hypo	CHG	-0.199
Gm18	13067813	13067944	Gmdrm	hypo	CHG	-0.3489
Gm18	13068143	13068650	Gmdrm	hypo	CHG	-0.3853
Gm18	13068756	13068974	Gmdrm	hypo	CHG	-0.2933
Gm18	13079009	13079146	Gmdrm	hypo	CHG	-0.1451
Gm18	13111678	13111846	Gmdrm	hypo	CHG	-0.272
Gm18	13120372	13120790	Gmdrm	hypo	CHG	-0.4445
Gm18	13133984	13134130	Gmdrm	hypo	CHG	-0.3933
Gm18	13134525	13134686	Gmdrm	hypo	CHG	-0.686
Gm18	13134960	13135033	Gmdrm	hypo	CHG	-0.5983
Gm18	13135319	13135668	Gmdrm	hypo	CHG	-0.4873
Gm18	13152559	13152809	Gmdrm	hypo	CHG	-0.3436
Gm18	13167218	13167459	Gmdrm	hypo	CHG	-0.085
Gm18	13180976	13181093	Gmdrm	hypo	CHG	-0.405
Gm18	13183403	13183845	Gmdrm	hypo	CHG	-0.233
Gm18	13194685	13195110	Gmdrm	hypo	CHG	-0.1887
Gm18	13204557	13204662	Gmdrm	hypo	CHG	-0.215
Gm18	13204975	13205137	Gmdrm	hypo	CHG	-0.54
Gm18	13206390	13206670	Gmdrm	hypo	CHG	-0.8118
Gm18	13206775	13207028	Gmdrm	hypo	CHG	-0.3246
Gm18	13214926	13215006	Gmdrm	hypo	CHG	-0.212
Gm18	13222421	13222606	Gmdrm	hypo	CHG	-0.525
Gm18	13235694	13235885	Gmdrm	hypo	CHG	-0.49
Gm18	13248701	13248788	Gmdrm	hypo	CHG	-0.306
Gm18	13254167	13254340	Gmdrm	hypo	CHG	-0.5209
Gm18	13255077	13255265	Gmdrm	hypo	CHG	-0.47
Gm18	13267219	13267349	Gmdrm	hypo	CHG	-0.5025
Gm18	13269986	13270365	Gmdrm	hypo	CHG	-0.4275
Gm18	13316304	13316357	Gmdrm	hypo	CHG	-0.8167
Gm18	13328201	13328440	Gmdrm	hypo	CHG	-0.0484
Gm18	13328639	13329387	Gmdrm	hypo	CHG	-0.4396
Gm18	13366241	13366379	Gmdrm	hypo	CHG	-0.41
Gm18	13379980	13380116	Gmdrm	hypo	CHG	-0.435
Gm18	13455507	13455547	Gmdrm	hypo	CHG	-0.6233
Gm18	13455843	13456289	Gmdrm	hypo	CHG	-0.5379
Gm18	13456529	13456721	Gmdrm	hypo	CHG	-0.437
Gm18	13516016	13516412	Gmdrm	hypo	CHG	-0.4637
Gm18	13516524	13516780	Gmdrm	hypo	CHG	-0.2925
Gm18	13547113	13547209	Gmdrm	hypo	CHG	-0.3886
Gm18	13553851	13553926	Gmdrm	hypo	CHG	-0.6183
Gm18	13565747	13566184	Gmdrm	hypo	CHG	-0.3206
Gm18	13603593	13604274	Gmdrm	hypo	CHG	-0.4438

Gm18	13612343	13612443	Gmdrm	hypo	CHG	-0.3412
Gm18	13612842	13612916	Gmdrm	hypo	CHG	-0.1775
Gm18	13613602	13613679	Gmdrm	hypo	CHG	-0.2217
Gm18	13613795	13614128	Gmdrm	hypo	CHG	-0.102
Gm18	13620283	13620459	Gmdrm	hypo	CHG	-0.659
Gm18	13620567	13620654	Gmdrm	hypo	CHG	-0.5266
Gm18	13620822	13620865	Gmdrm	hypo	CHG	-0.54
Gm18	13663747	13663857	Gmdrm	hypo	CHG	-0.1067
Gm18	13687803	13687937	Gmdrm	hypo	CHG	-0.4228
Gm18	13688145	13688188	Gmdrm	hypo	CHG	-0.5685
Gm18	13688724	13688816	Gmdrm	hypo	CHG	-0.3912
Gm18	13689889	13690017	Gmdrm	hypo	CHG	-0.5575
Gm18	13692096	13692523	Gmdrm	hypo	CHG	-0.192
Gm18	13693322	13693464	Gmdrm	hypo	CHG	-0.236
Gm18	13694790	13695119	Gmdrm	hypo	CHG	-0.1806
Gm18	13716620	13716963	Gmdrm	hypo	CHG	-0.4192
Gm18	13717066	13717395	Gmdrm	hypo	CHG	-0.3171
Gm18	13722665	13722769	Gmdrm	hypo	CHG	-0.0633
Gm18	13723012	13723245	Gmdrm	hypo	CHG	-0.398
Gm18	13723840	13723891	Gmdrm	hypo	CHG	-0.5683
Gm18	13724701	13724794	Gmdrm	hypo	CHG	-0.3783
Gm18	13734096	13734873	Gmdrm	hypo	CHG	-0.3646
Gm18	13749492	13750088	Gmdrm	hypo	CHG	-0.1166
Gm18	13833780	13833875	Gmdrm	hypo	CHG	-0.8229
Gm18	13893837	13893980	Gmdrm	hypo	CHG	-0.2683
Gm18	13910855	13911062	Gmdrm	hypo	CHG	-0.503
Gm18	13944821	13945188	Gmdrm	hypo	CHG	-0.05
Gm18	13963718	13963818	Gmdrm	hypo	CHG	-0.4017
Gm18	13963937	13964230	Gmdrm	hypo	CHG	-0.3107
Gm18	13972322	13972484	Gmdrm	hypo	CHG	-0.4378
Gm18	13973314	13973467	Gmdrm	hypo	CHG	-0.4154
Gm18	14015321	14015445	Gmdrm	hypo	CHG	-0.27
Gm18	14016572	14016715	Gmdrm	hypo	CHG	-0.6567
Gm18	14055863	14056120	Gmdrm	hypo	CHG	-0.3189
Gm18	14056965	14057394	Gmdrm	hypo	CHG	-0.1582
Gm18	14087102	14087243	Gmdrm	hypo	CHG	-0.5183
Gm18	14175083	14175171	Gmdrm	hypo	CHG	-0.945
Gm18	14175773	14175836	Gmdrm	hypo	CHG	-0.5417
Gm18	14182187	14182277	Gmdrm	hypo	CHG	-0.6767
Gm18	14187534	14187611	Gmdrm	hypo	CHG	-0.284
Gm18	14219031	14219287	Gmdrm	hypo	CHG	-0.0529
Gm18	14219989	14220193	Gmdrm	hypo	CHG	-0.54
Gm18	14275964	14276007	Gmdrm	hypo	CHG	-0.8645
Gm18	14276145	14276430	Gmdrm	hypo	CHG	-0.8336
Gm18	14278553	14279232	Gmdrm	hypo	CHG	-0.2911
Gm18	14297661	14297888	Gmdrm	hypo	CHG	-0.405

Gm18	14313497	14313608	Gmdrm	hypo	CHG	-0.5425
Gm18	14313718	14313851	Gmdrm	hypo	CHG	-0.75
Gm18	14378208	14378601	Gmdrm	hypo	CHG	-0.6165
Gm18	14378825	14378952	Gmdrm	hypo	CHG	-0.615
Gm18	14379773	14379941	Gmdrm	hypo	CHG	-0.2767
Gm18	14381062	14381218	Gmdrm	hypo	CHG	-0.49
Gm18	14398877	14399355	Gmdrm	hypo	CHG	-0.0675
Gm18	14417087	14417209	Gmdrm	hypo	CHG	-0.1957
Gm18	14438713	14439480	Gmdrm	hypo	CHG	-0.1256
Gm18	14507244	14508219	Gmdrm	hypo	CHG	-0.1627
Gm18	14552225	14552279	Gmdrm	hypo	CHG	-0.575
Gm18	14552726	14552940	Gmdrm	hypo	CHG	-0.2789
Gm18	14561398	14561541	Gmdrm	hypo	CHG	-0.6412
Gm18	14570534	14570698	Gmdrm	hypo	CHG	-0.142
Gm18	14575648	14575800	Gmdrm	hypo	CHG	-0.5873
Gm18	14576179	14576348	Gmdrm	hypo	CHG	-0.378
Gm18	14584789	14585238	Gmdrm	hypo	CHG	-0.3543
Gm18	14586054	14586080	Gmdrm	hypo	CHG	-0.0433
Gm18	14586483	14586609	Gmdrm	hypo	CHG	-0.1025
Gm18	14586791	14586940	Gmdrm	hypo	CHG	-0.08
Gm18	14612451	14612581	Gmdrm	hypo	CHG	-0.365
Gm18	14653306	14653458	Gmdrm	hypo	CHG	-0.1987
Gm18	14694798	14694993	Gmdrm	hypo	CHG	-0.3559
Gm18	14704423	14704518	Gmdrm	hypo	CHG	-0.45
Gm18	14707156	14707532	Gmdrm	hypo	CHG	-0.05
Gm18	14713969	14714064	Gmdrm	hypo	CHG	-0.6666
Gm18	14729274	14729577	Gmdrm	hypo	CHG	-0.5094
Gm18	14729715	14729788	Gmdrm	hypo	CHG	-0.2534
Gm18	14749632	14749845	Gmdrm	hypo	CHG	-0.6638
Gm18	14754910	14755301	Gmdrm	hypo	CHG	-0.4575
Gm18	14755611	14756172	Gmdrm	hypo	CHG	-0.2975
Gm18	14770244	14770533	Gmdrm	hypo	CHG	-0.3518
Gm18	14771871	14772122	Gmdrm	hypo	CHG	-0.3073
Gm18	14772695	14772791	Gmdrm	hypo	CHG	-0.3017
Gm18	14797372	14797698	Gmdrm	hypo	CHG	-0.3277
Gm18	14803648	14804210	Gmdrm	hypo	CHG	-0.2919
Gm18	14826232	14826630	Gmdrm	hypo	CHG	-0.6467
Gm18	14826879	14827152	Gmdrm	hypo	CHG	-0.0628
Gm18	14861704	14862220	Gmdrm	hypo	CHG	-0.3545
Gm18	14880926	14881147	Gmdrm	hypo	CHG	-0.2925
Gm18	14899579	14899621	Gmdrm	hypo	CHG	-0.26
Gm18	14902772	14902833	Gmdrm	hypo	CHG	-0.3133
Gm18	14911675	14911710	Gmdrm	hypo	CHG	-0.852
Gm18	14917511	14917603	Gmdrm	hypo	CHG	-0.06
Gm18	14923027	14923632	Gmdrm	hypo	CHG	-0.2055
Gm18	14979146	14979528	Gmdrm	hypo	CHG	-0.3847

Gm18	15000286	15000387	Gmdrm	hypo	CHG	-0.6
Gm18	15000709	15001009	Gmdrm	hypo	CHG	-0.2834
Gm18	15010931	15011142	Gmdrm	hypo	CHG	-0.2939
Gm18	15013015	15013632	Gmdrm	hypo	CHG	-0.2344
Gm18	15016143	15016259	Gmdrm	hypo	CHG	-0.45
Gm18	15023080	15023145	Gmdrm	hypo	CHG	-0.586
Gm18	15023473	15023583	Gmdrm	hypo	CHG	-0.4329
Gm18	15059256	15059329	Gmdrm	hypo	CHG	-0.5323
Gm18	15059478	15059854	Gmdrm	hypo	CHG	-0.2439
Gm18	15059980	15060439	Gmdrm	hypo	CHG	-0.2913
Gm18	15060718	15060855	Gmdrm	hypo	CHG	-0.05
Gm18	15063174	15063362	Gmdrm	hypo	CHG	-0.9253
Gm18	15063664	15063905	Gmdrm	hypo	CHG	-0.2722
Gm18	15064188	15064382	Gmdrm	hypo	CHG	-0.266
Gm18	15064655	15064849	Gmdrm	hypo	CHG	-0.5933
Gm18	15065109	15065286	Gmdrm	hypo	CHG	-0.4427
Gm18	15065603	15065786	Gmdrm	hypo	CHG	-0.2915
Gm18	15067087	15067531	Gmdrm	hypo	CHG	-0.6116
Gm18	15067709	15067876	Gmdrm	hypo	CHG	-0.3971
Gm18	15075813	15076526	Gmdrm	hypo	CHG	-0.31
Gm18	15076659	15076878	Gmdrm	hypo	CHG	-0.5384
Gm18	15077033	15077712	Gmdrm	hypo	CHG	-0.6476
Gm18	15077839	15078097	Gmdrm	hypo	CHG	-0.3228
Gm18	15084423	15084755	Gmdrm	hypo	CHG	-0.1242
Gm18	15084878	15084987	Gmdrm	hypo	CHG	-0.12
Gm18	15085229	15085584	Gmdrm	hypo	CHG	-0.2856
Gm18	15085870	15085900	Gmdrm	hypo	CHG	-0.1867
Gm18	15086613	15086637	Gmdrm	hypo	CHG	-0.752
Gm18	15107949	15108082	Gmdrm	hypo	CHG	-0.6118
Gm18	15166225	15166519	Gmdrm	hypo	CHG	-0.2475
Gm18	15166988	15167398	Gmdrm	hypo	CHG	-0.5378
Gm18	15182728	15183373	Gmdrm	hypo	CHG	-0.3477
Gm18	15222941	15223512	Gmdrm	hypo	CHG	-0.4509
Gm18	15226035	15226270	Gmdrm	hypo	CHG	-0.082
Gm18	15235379	15235480	Gmdrm	hypo	CHG	-0.3657
Gm18	15235835	15235920	Gmdrm	hypo	CHG	-0.2176
Gm18	15239575	15239719	Gmdrm	hypo	CHG	-0.3837
Gm18	15267409	15267573	Gmdrm	hypo	CHG	-0.35
Gm18	15340354	15340847	Gmdrm	hypo	CHG	-0.6739
Gm18	15351597	15351686	Gmdrm	hypo	CHG	-0.05
Gm18	15354619	15354718	Gmdrm	hypo	CHG	-0.101
Gm18	15372742	15373286	Gmdrm	hypo	CHG	-0.3632
Gm18	15391369	15391548	Gmdrm	hypo	CHG	-0.3575
Gm18	15520967	15521166	Gmdrm	hypo	CHG	-0.3018
Gm18	15522838	15523008	Gmdrm	hypo	CHG	-0.4346
Gm18	15539967	15540066	Gmdrm	hypo	CHG	-0.382

Gm18	15543131	15543426	Gmdrm	hypo	CHG	-0.0353
Gm18	15551912	15552020	Gmdrm	hypo	CHG	-0.1667
Gm18	15552495	15552716	Gmdrm	hypo	CHG	-0.038
Gm18	15552823	15552848	Gmdrm	hypo	CHG	-0.4917
Gm18	15553329	15554230	Gmdrm	hypo	CHG	-0.2653
Gm18	15572585	15573283	Gmdrm	hypo	CHG	-0.2668
Gm18	15573438	15573669	Gmdrm	hypo	CHG	-0.5994
Gm18	15573966	15574068	Gmdrm	hypo	CHG	-0.5572
Gm18	15574262	15574676	Gmdrm	hypo	CHG	-0.3
Gm18	15577119	15577548	Gmdrm	hypo	CHG	-0.3155
Gm18	15577771	15577821	Gmdrm	hypo	CHG	-0.5271
Gm18	15577989	15578221	Gmdrm	hypo	CHG	-0.6263
Gm18	15578628	15578778	Gmdrm	hypo	CHG	-0.6945
Gm18	15579236	15579486	Gmdrm	hypo	CHG	-0.5909
Gm18	15579655	15579859	Gmdrm	hypo	CHG	-0.61
Gm18	15580458	15580693	Gmdrm	hypo	CHG	-0.03
Gm18	15585471	15585532	Gmdrm	hypo	CHG	-0.198
Gm18	15618313	15618359	Gmdrm	hypo	CHG	-0.2249
Gm18	15636192	15636460	Gmdrm	hypo	CHG	-0.2567
Gm18	15667203	15667393	Gmdrm	hypo	CHG	-0.1614
Gm18	15686424	15686888	Gmdrm	hypo	CHG	-0.2409
Gm18	15719823	15719981	Gmdrm	hypo	CHG	-0.6636
Gm18	15720289	15720483	Gmdrm	hypo	CHG	-0.7828
Gm18	15761197	15761460	Gmdrm	hypo	CHG	-0.2472
Gm18	15843737	15843950	Gmdrm	hypo	CHG	-0.078
Gm18	15913972	15914067	Gmdrm	hypo	CHG	-0.455
Gm18	15914205	15914262	Gmdrm	hypo	CHG	-0.6143
Gm18	15928190	15928403	Gmdrm	hypo	CHG	-0.026
Gm18	15943485	15943702	Gmdrm	hypo	CHG	-0.56
Gm18	15968495	15968591	Gmdrm	hypo	CHG	-0.194
Gm18	15973446	15973549	Gmdrm	hypo	CHG	-0.5017
Gm18	15973906	15973957	Gmdrm	hypo	CHG	-0.575
Gm18	15975117	15975192	Gmdrm	hypo	CHG	-0.475
Gm18	15975704	15975882	Gmdrm	hypo	CHG	-0.6171
Gm18	15986957	15987053	Gmdrm	hypo	CHG	-0.5334
Gm18	15989674	15989817	Gmdrm	hypo	CHG	-0.7184
Gm18	15990469	15990526	Gmdrm	hypo	CHG	-0.6066
Gm18	15997649	15997690	Gmdrm	hypo	CHG	-0.7734
Gm18	15997806	15998199	Gmdrm	hypo	CHG	-0.535
Gm18	16003998	16004412	Gmdrm	hypo	CHG	-0.7259
Gm18	16030218	16030545	Gmdrm	hypo	CHG	-0.3695
Gm18	16075694	16075741	Gmdrm	hypo	CHG	-0.6929
Gm18	16106282	16106478	Gmdrm	hypo	CHG	-0.087
Gm18	16194512	16194615	Gmdrm	hypo	CHG	-0.2283
Gm18	16206270	16206380	Gmdrm	hypo	CHG	-0.495
Gm18	16206831	16207118	Gmdrm	hypo	CHG	-0.7536

Gm18	16231783	16231920	Gmdrm	hypo	CHG	-0.544
Gm18	16232052	16232194	Gmdrm	hypo	CHG	-0.672
Gm18	16238999	16239130	Gmdrm	hypo	CHG	-0.3156
Gm18	16239253	16239448	Gmdrm	hypo	CHG	-0.6983
Gm18	16283216	16283626	Gmdrm	hypo	CHG	-0.4686
Gm18	16302399	16302677	Gmdrm	hypo	CHG	-0.2714
Gm18	16307683	16308186	Gmdrm	hypo	CHG	-0.3013
Gm18	16317032	16317215	Gmdrm	hypo	CHG	-0.2589
Gm18	16330763	16330905	Gmdrm	hypo	CHG	-0.4626
Gm18	16341977	16342006	Gmdrm	hypo	CHG	-0.216
Gm18	16346672	16347010	Gmdrm	hypo	CHG	-0.7582
Gm18	16354123	16354427	Gmdrm	hypo	CHG	-0.3854
Gm18	16401455	16401655	Gmdrm	hypo	CHG	-0.9164
Gm18	16401772	16401782	Gmdrm	hypo	CHG	-0.7717
Gm18	16430343	16430673	Gmdrm	hypo	CHG	-0.4893
Gm18	16430855	16431002	Gmdrm	hypo	CHG	-0.3225
Gm18	16457589	16457762	Gmdrm	hypo	CHG	-0.29
Gm18	16458990	16459474	Gmdrm	hypo	CHG	-0.044
Gm18	16463926	16464187	Gmdrm	hypo	CHG	-0.3289
Gm18	16466854	16466875	Gmdrm	hypo	CHG	-0.365
Gm18	16627493	16627696	Gmdrm	hypo	CHG	-0.6391
Gm18	16627899	16628034	Gmdrm	hypo	CHG	-0.465
Gm18	16642943	16643591	Gmdrm	hypo	CHG	-0.6763
Gm18	16651837	16651892	Gmdrm	hypo	CHG	-0.6133
Gm18	16653183	16653274	Gmdrm	hypo	CHG	-0.0471
Gm18	16657788	16658475	Gmdrm	hypo	CHG	-0.4985
Gm18	16680740	16681005	Gmdrm	hypo	CHG	-0.3319
Gm18	16694683	16694714	Gmdrm	hypo	CHG	-0.1617
Gm18	16776359	16776383	Gmdrm	hypo	CHG	-0.6983
Gm18	16776589	16776833	Gmdrm	hypo	CHG	-0.355
Gm18	16846800	16846991	Gmdrm	hypo	CHG	-0.665
Gm18	16847411	16847533	Gmdrm	hypo	CHG	-0.534
Gm18	16847658	16847711	Gmdrm	hypo	CHG	-0.8467
Gm18	16871967	16872063	Gmdrm	hypo	CHG	-0.2433
Gm18	16875087	16875192	Gmdrm	hypo	CHG	-0.078
Gm18	16875379	16875484	Gmdrm	hypo	CHG	-0.583
Gm18	16882074	16882167	Gmdrm	hypo	CHG	-0.5944
Gm18	16907807	16907981	Gmdrm	hypo	CHG	-0.1825
Gm18	17067318	17067674	Gmdrm	hypo	CHG	-0.3555
Gm18	17149367	17149701	Gmdrm	hypo	CHG	-0.5171
Gm18	17177442	17177815	Gmdrm	hypo	CHG	-0.3929
Gm18	17190395	17190480	Gmdrm	hypo	CHG	-0.5966
Gm18	17197669	17197862	Gmdrm	hypo	CHG	-0.395
Gm18	17222785	17223063	Gmdrm	hypo	CHG	-0.9
Gm18	17223513	17223748	Gmdrm	hypo	CHG	-0.523
Gm18	17223975	17224299	Gmdrm	hypo	CHG	-0.5208

Gm18	17224554	17224587	Gmdrm	hypo	CHG	-0.1383
Gm18	17242256	17242453	Gmdrm	hypo	CHG	-0.0357
Gm18	17252227	17252327	Gmdrm	hypo	CHG	-0.3057
Gm18	17255001	17255382	Gmdrm	hypo	CHG	-0.1421
Gm18	17273371	17273437	Gmdrm	hypo	CHG	-0.088
Gm18	17275246	17275343	Gmdrm	hypo	CHG	-0.072
Gm18	17279780	17279832	Gmdrm	hypo	CHG	-0.8017
Gm18	17292437	17292920	Gmdrm	hypo	CHG	-0.7216
Gm18	17297742	17297848	Gmdrm	hypo	CHG	-0.4263
Gm18	17298176	17298304	Gmdrm	hypo	CHG	-0.3025
Gm18	17351637	17351785	Gmdrm	hypo	CHG	-0.1967
Gm18	17352544	17353215	Gmdrm	hypo	CHG	-0.1265
Gm18	17353410	17354092	Gmdrm	hypo	CHG	-0.2103
Gm18	17368937	17369313	Gmdrm	hypo	CHG	-0.215
Gm18	17372562	17372975	Gmdrm	hypo	CHG	-0.0614
Gm18	17373078	17373315	Gmdrm	hypo	CHG	-0.3045
Gm18	17391452	17391824	Gmdrm	hypo	CHG	-0.2429
Gm18	17391929	17392074	Gmdrm	hypo	CHG	-0.2085
Gm18	17392181	17392379	Gmdrm	hypo	CHG	-0.4
Gm18	17499983	17500194	Gmdrm	hypo	CHG	-0.1019
Gm18	17626136	17627131	Gmdrm	hypo	CHG	-0.1998
Gm18	17685375	17685489	Gmdrm	hypo	CHG	-0.8226
Gm18	17686215	17686376	Gmdrm	hypo	CHG	-0.7443
Gm18	17686511	17686652	Gmdrm	hypo	CHG	-0.886
Gm18	17686849	17686960	Gmdrm	hypo	CHG	-0.1839
Gm18	17820821	17821147	Gmdrm	hypo	CHG	-0.1241
Gm18	17822415	17822600	Gmdrm	hypo	CHG	-0.5314
Gm18	17827856	17828350	Gmdrm	hypo	CHG	-0.1587
Gm18	17847814	17847837	Gmdrm	hypo	CHG	-0.5317
Gm18	17848308	17848451	Gmdrm	hypo	CHG	-0.048
Gm18	17967920	17967977	Gmdrm	hypo	CHG	-0.66
Gm18	17973353	17973564	Gmdrm	hypo	CHG	-0.2492
Gm18	17973812	17974023	Gmdrm	hypo	CHG	-0.3033
Gm18	17974230	17974439	Gmdrm	hypo	CHG	-0.386
Gm18	17975160	17975371	Gmdrm	hypo	CHG	-0.367
Gm18	17975890	17976224	Gmdrm	hypo	CHG	-0.261
Gm18	17982184	17982455	Gmdrm	hypo	CHG	-0.51
Gm18	17990905	17991125	Gmdrm	hypo	CHG	-0.19
Gm18	17991835	17992452	Gmdrm	hypo	CHG	-0.314
Gm18	18002530	18002575	Gmdrm	hypo	CHG	-0.255
Gm18	18003040	18003793	Gmdrm	hypo	CHG	-0.1664
Gm18	18014226	18014284	Gmdrm	hypo	CHG	-0.119
Gm18	18068149	18068216	Gmdrm	hypo	CHG	-0.068
Gm18	18068340	18068452	Gmdrm	hypo	CHG	-0.1815
Gm18	18077859	18077972	Gmdrm	hypo	CHG	-0.1614
Gm18	18093059	18093156	Gmdrm	hypo	CHG	-0.8967

Gm18	18136474	18136566	Gmdrm	hypo	CHG	-0.766
Gm18	18172631	18172744	Gmdrm	hypo	CHG	-0.44
Gm18	18200418	18200782	Gmdrm	hypo	CHG	-0.2155
Gm18	18203382	18203560	Gmdrm	hypo	CHG	-0.3286
Gm18	18205051	18205072	Gmdrm	hypo	CHG	-0.7467
Gm18	18213554	18213823	Gmdrm	hypo	CHG	-0.3143
Gm18	18215655	18215757	Gmdrm	hypo	CHG	-0.476
Gm18	18216195	18216362	Gmdrm	hypo	CHG	-0.7683
Gm18	18230610	18230731	Gmdrm	hypo	CHG	-0.208
Gm18	18244059	18244358	Gmdrm	hypo	CHG	-0.4435
Gm18	18264731	18265088	Gmdrm	hypo	CHG	-0.0488
Gm18	18265907	18266104	Gmdrm	hypo	CHG	-0.0493
Gm18	18271442	18271635	Gmdrm	hypo	CHG	-0.0517
Gm18	18271762	18271831	Gmdrm	hypo	CHG	-0.256
Gm18	18280695	18280770	Gmdrm	hypo	CHG	-0.5775
Gm18	18280886	18280931	Gmdrm	hypo	CHG	-0.228
Gm18	18358923	18359073	Gmdrm	hypo	CHG	-0.1911
Gm18	18368636	18368845	Gmdrm	hypo	CHG	-0.5386
Gm18	18384130	18384272	Gmdrm	hypo	CHG	-0.3289
Gm18	18387117	18387345	Gmdrm	hypo	CHG	-0.2693
Gm18	18393681	18393957	Gmdrm	hypo	CHG	-0.3372
Gm18	18395993	18396010	Gmdrm	hypo	CHG	-0.2716
Gm18	18439761	18439852	Gmdrm	hypo	CHG	-0.332
Gm18	18440001	18440251	Gmdrm	hypo	CHG	-0.2518
Gm18	18440650	18440855	Gmdrm	hypo	CHG	-0.7372
Gm18	18447524	18447645	Gmdrm	hypo	CHG	-0.43
Gm18	18448223	18448351	Gmdrm	hypo	CHG	-0.1529
Gm18	18452162	18452397	Gmdrm	hypo	CHG	-0.1843
Gm18	18452824	18453275	Gmdrm	hypo	CHG	-0.1694
Gm18	18453432	18453575	Gmdrm	hypo	CHG	-0.5382
Gm18	18453740	18453844	Gmdrm	hypo	CHG	-0.62
Gm18	18468509	18468546	Gmdrm	hypo	CHG	-0.4
Gm18	18468660	18468902	Gmdrm	hypo	CHG	-0.205
Gm18	18476284	18476789	Gmdrm	hypo	CHG	-0.2182
Gm18	18476897	18477897	Gmdrm	hypo	CHG	-0.3317
Gm18	18477938	18478621	Gmdrm	hypo	CHG	-0.2949
Gm18	18478760	18479162	Gmdrm	hypo	CHG	-0.297
Gm18	18485421	18485722	Gmdrm	hypo	CHG	-0.3078
Gm18	18485823	18485928	Gmdrm	hypo	CHG	-0.57
Gm18	18527354	18527992	Gmdrm	hypo	CHG	-0.3277
Gm18	18529786	18530128	Gmdrm	hypo	CHG	-0.5973
Gm18	18530321	18530591	Gmdrm	hypo	CHG	-0.6309
Gm18	18536065	18536330	Gmdrm	hypo	CHG	-0.4414
Gm18	18565391	18565491	Gmdrm	hypo	CHG	-0.216
Gm18	18577481	18578243	Gmdrm	hypo	CHG	-0.1346
Gm18	18578417	18578466	Gmdrm	hypo	CHG	-0.191

Gm18	18580639	18580749	Gmdrm	hypo	CHG	-0.4634
Gm18	18581059	18581209	Gmdrm	hypo	CHG	-0.5513
Gm18	18585992	18586991	Gmdrm	hypo	CHG	-0.1893
Gm18	18587209	18587310	Gmdrm	hypo	CHG	-0.3886
Gm18	18593954	18594105	Gmdrm	hypo	CHG	-0.0516
Gm18	18613398	18613629	Gmdrm	hypo	CHG	-0.1457
Gm18	18618869	18619024	Gmdrm	hypo	CHG	-0.7407
Gm18	18648184	18648205	Gmdrm	hypo	CHG	-0.2886
Gm18	18820892	18821291	Gmdrm	hypo	CHG	-0.6245
Gm18	18970390	18970428	Gmdrm	hypo	CHG	-0.8417
Gm18	18975560	18975602	Gmdrm	hypo	CHG	-0.9183
Gm18	18989212	18989445	Gmdrm	hypo	CHG	-0.5856
Gm18	19039578	19039880	Gmdrm	hypo	CHG	-0.2635
Gm18	19040149	19040430	Gmdrm	hypo	CHG	-0.5538
Gm18	19062075	19062324	Gmdrm	hypo	CHG	-0.1814
Gm18	19062436	19062867	Gmdrm	hypo	CHG	-0.0833
Gm18	19127514	19127584	Gmdrm	hypo	CHG	-0.6133
Gm18	19138981	19139492	Gmdrm	hypo	CHG	-0.3528
Gm18	19151500	19151738	Gmdrm	hypo	CHG	-0.2772
Gm18	19152624	19152709	Gmdrm	hypo	CHG	-0.792
Gm18	19152939	19153124	Gmdrm	hypo	CHG	-0.175
Gm18	19168792	19168960	Gmdrm	hypo	CHG	-0.054
Gm18	19169374	19169394	Gmdrm	hypo	CHG	-0.7599
Gm18	19180463	19180692	Gmdrm	hypo	CHG	-0.0509
Gm18	19181060	19181171	Gmdrm	hypo	CHG	-0.64
Gm18	19181663	19181712	Gmdrm	hypo	CHG	-0.8358
Gm18	19186909	19187324	Gmdrm	hypo	CHG	-0.3334
Gm18	19203599	19203704	Gmdrm	hypo	CHG	-0.4377
Gm18	19203816	19203899	Gmdrm	hypo	CHG	-0.1167
Gm18	19211620	19211906	Gmdrm	hypo	CHG	-0.0678
Gm18	19214956	19215252	Gmdrm	hypo	CHG	-0.0317
Gm18	19314810	19314907	Gmdrm	hypo	CHG	-0.6524
Gm18	19319632	19319738	Gmdrm	hypo	CHG	-0.1017
Gm18	19337134	19337279	Gmdrm	hypo	CHG	-0.7211
Gm18	19381893	19382155	Gmdrm	hypo	CHG	-0.3919
Gm18	19599862	19600048	Gmdrm	hypo	CHG	-0.395
Gm18	19600170	19600317	Gmdrm	hypo	CHG	-0.4566
Gm18	19604540	19604601	Gmdrm	hypo	CHG	-0.52
Gm18	19605745	19605894	Gmdrm	hypo	CHG	-0.6234
Gm18	19606335	19606413	Gmdrm	hypo	CHG	-0.4566
Gm18	19612439	19612532	Gmdrm	hypo	CHG	-0.8584
Gm18	19722809	19722860	Gmdrm	hypo	CHG	-0.2
Gm18	19726402	19726563	Gmdrm	hypo	CHG	-0.5047
Gm18	19790121	19790189	Gmdrm	hypo	CHG	-0.7167
Gm18	19803292	19803542	Gmdrm	hypo	CHG	-0.1084
Gm18	19919968	19920050	Gmdrm	hypo	CHG	-0.6533

Gm18	19941233	19941398	Gmdrm	hypo	CHG	-0.6716
Gm18	19941640	19941787	Gmdrm	hypo	CHG	-0.7667
Gm18	19946939	19947007	Gmdrm	hypo	CHG	-0.066
Gm18	19958091	19958425	Gmdrm	hypo	CHG	-0.0483
Gm18	19964068	19964166	Gmdrm	hypo	CHG	-0.3813
Gm18	20017680	20017915	Gmdrm	hypo	CHG	-0.5131
Gm18	20023589	20023832	Gmdrm	hypo	CHG	-0.463
Gm18	20024941	20025235	Gmdrm	hypo	CHG	-0.252
Gm18	20025724	20025878	Gmdrm	hypo	CHG	-0.7387
Gm18	20065572	20065815	Gmdrm	hypo	CHG	-0.4392
Gm18	20071458	20071629	Gmdrm	hypo	CHG	-0.571
Gm18	20071739	20071916	Gmdrm	hypo	CHG	-0.2828
Gm18	20075453	20075653	Gmdrm	hypo	CHG	-0.0657
Gm18	20134484	20134663	Gmdrm	hypo	CHG	-0.357
Gm18	20135849	20135989	Gmdrm	hypo	CHG	-0.058
Gm18	20141396	20141512	Gmdrm	hypo	CHG	-0.1914
Gm18	20155712	20155756	Gmdrm	hypo	CHG	-0.5517
Gm18	20159477	20159723	Gmdrm	hypo	CHG	-0.5483
Gm18	20186795	20187011	Gmdrm	hypo	CHG	-0.3557
Gm18	20187196	20187368	Gmdrm	hypo	CHG	-0.6755
Gm18	20187475	20187533	Gmdrm	hypo	CHG	-0.2783
Gm18	20204360	20204496	Gmdrm	hypo	CHG	-0.44
Gm18	20207628	20207725	Gmdrm	hypo	CHG	-0.5791
Gm18	20233555	20233697	Gmdrm	hypo	CHG	-0.7745
Gm18	20279365	20279426	Gmdrm	hypo	CHG	-0.345
Gm18	20345908	20346274	Gmdrm	hypo	CHG	-0.2964
Gm18	20347888	20348074	Gmdrm	hypo	CHG	-0.53
Gm18	20427336	20427490	Gmdrm	hypo	CHG	-0.366
Gm18	20511877	20511955	Gmdrm	hypo	CHG	-0.6767
Gm18	20512500	20512660	Gmdrm	hypo	CHG	-0.3387
Gm18	20534305	20534563	Gmdrm	hypo	CHG	-0.05
Gm18	20560914	20561203	Gmdrm	hypo	CHG	-0.06
Gm18	20679980	20680041	Gmdrm	hypo	CHG	-0.5622
Gm18	20731881	20732030	Gmdrm	hypo	CHG	-0.6543
Gm18	20778719	20778974	Gmdrm	hypo	CHG	-0.0416
Gm18	20782888	20783073	Gmdrm	hypo	CHG	-0.0299
Gm18	20867739	20867872	Gmdrm	hypo	CHG	-0.035
Gm18	20868222	20868495	Gmdrm	hypo	CHG	-0.6393
Gm18	20868645	20868779	Gmdrm	hypo	CHG	-0.658
Gm18	20870246	20870792	Gmdrm	hypo	CHG	-0.32
Gm18	20889580	20889820	Gmdrm	hypo	CHG	-0.6078
Gm18	20894105	20894350	Gmdrm	hypo	CHG	-0.2811
Gm18	20902530	20903179	Gmdrm	hypo	CHG	-0.3982
Gm18	21070856	21071118	Gmdrm	hypo	CHG	-0.609
Gm18	21167139	21167261	Gmdrm	hypo	CHG	-0.3743
Gm18	21267860	21267971	Gmdrm	hypo	CHG	-0.3

Gm18	21270416	21270528	Gmdrm	hypo	CHG	-0.05
Gm18	21310292	21310770	Gmdrm	hypo	CHG	-0.2947
Gm18	21322719	21323001	Gmdrm	hypo	CHG	-0.0467
Gm18	21325614	21325717	Gmdrm	hypo	CHG	-0.042
Gm18	21329833	21330031	Gmdrm	hypo	CHG	-0.4534
Gm18	21390327	21390417	Gmdrm	hypo	CHG	-0.645
Gm18	21393471	21393590	Gmdrm	hypo	CHG	-0.042
Gm18	21421343	21421440	Gmdrm	hypo	CHG	-0.5643
Gm18	21458463	21458767	Gmdrm	hypo	CHG	-0.3046
Gm18	21459385	21459599	Gmdrm	hypo	CHG	-0.5637
Gm18	21464106	21464281	Gmdrm	hypo	CHG	-0.7222
Gm18	21464913	21465157	Gmdrm	hypo	CHG	-0.7027
Gm18	21467893	21468015	Gmdrm	hypo	CHG	-0.5584
Gm18	21788148	21788216	Gmdrm	hypo	CHG	-0.26
Gm18	21840164	21840233	Gmdrm	hypo	CHG	-0.31
Gm18	21850559	21850769	Gmdrm	hypo	CHG	-0.8224
Gm18	21866562	21866936	Gmdrm	hypo	CHG	-0.7471
Gm18	21867605	21867877	Gmdrm	hypo	CHG	-0.7534
Gm18	21872159	21872358	Gmdrm	hypo	CHG	-0.3623
Gm18	22001555	22001702	Gmdrm	hypo	CHG	-0.0457
Gm18	22007579	22007733	Gmdrm	hypo	CHG	-0.829
Gm18	22007837	22007880	Gmdrm	hypo	CHG	-0.2334
Gm18	22028598	22028736	Gmdrm	hypo	CHG	-0.3484
Gm18	22070767	22070808	Gmdrm	hypo	CHG	-0.2833
Gm18	22294841	22295123	Gmdrm	hypo	CHG	-0.282
Gm18	22295301	22295391	Gmdrm	hypo	CHG	-0.2
Gm18	22363230	22363499	Gmdrm	hypo	CHG	-0.2913
Gm18	22388988	22389046	Gmdrm	hypo	CHG	-0.764
Gm18	22389349	22389489	Gmdrm	hypo	CHG	-0.03
Gm18	22416468	22416553	Gmdrm	hypo	CHG	-0.07
Gm18	22430200	22430292	Gmdrm	hypo	CHG	-0.59
Gm18	22498322	22498360	Gmdrm	hypo	CHG	-0.0417
Gm18	22595074	22595232	Gmdrm	hypo	CHG	-0.4033
Gm18	22598276	22598383	Gmdrm	hypo	CHG	-0.7766
Gm18	22598632	22598698	Gmdrm	hypo	CHG	-0.4843
Gm18	22653776	22653830	Gmdrm	hypo	CHG	-0.1558
Gm18	22661764	22662448	Gmdrm	hypo	CHG	-0.5992
Gm18	22662549	22662718	Gmdrm	hypo	CHG	-0.384
Gm18	22662826	22662868	Gmdrm	hypo	CHG	-0.326
Gm18	22663001	22663298	Gmdrm	hypo	CHG	-0.3
Gm18	22663821	22664427	Gmdrm	hypo	CHG	-0.3003
Gm18	22664559	22664942	Gmdrm	hypo	CHG	-0.3083
Gm18	22665134	22665318	Gmdrm	hypo	CHG	-0.3727
Gm18	22665434	22665872	Gmdrm	hypo	CHG	-0.3267
Gm18	22666054	22666309	Gmdrm	hypo	CHG	-0.3129
Gm18	22734729	22734763	Gmdrm	hypo	CHG	-0.048

Gm18	22739603	22739685	Gmdrm	hypo	CHG	-0.5734
Gm18	22865147	22865375	Gmdrm	hypo	CHG	-0.5909
Gm18	22918682	22918864	Gmdrm	hypo	CHG	-0.7546
Gm18	23085410	23085538	Gmdrm	hypo	CHG	-0.2671
Gm18	23086088	23086230	Gmdrm	hypo	CHG	-0.3815
Gm18	23189996	23190082	Gmdrm	hypo	CHG	-0.5767
Gm18	23301618	23302011	Gmdrm	hypo	CHG	-0.4712
Gm18	23303686	23303814	Gmdrm	hypo	CHG	-0.7014
Gm18	23324742	23324901	Gmdrm	hypo	CHG	-0.0357
Gm18	23335099	23335316	Gmdrm	hypo	CHG	-0.5
Gm18	23367860	23368069	Gmdrm	hypo	CHG	-0.2834
Gm18	23381235	23381337	Gmdrm	hypo	CHG	-0.4657
Gm18	23381510	23382312	Gmdrm	hypo	CHG	-0.325
Gm18	23382481	23382565	Gmdrm	hypo	CHG	-0.22
Gm18	23383863	23384113	Gmdrm	hypo	CHG	-0.4662
Gm18	23388700	23388925	Gmdrm	hypo	CHG	-0.5431
Gm18	23423808	23424072	Gmdrm	hypo	CHG	-0.6784
Gm18	23424194	23424279	Gmdrm	hypo	CHG	-0.8133
Gm18	23424500	23424690	Gmdrm	hypo	CHG	-0.665
Gm18	23463485	23463735	Gmdrm	hypo	CHG	-0.4182
Gm18	23464116	23464338	Gmdrm	hypo	CHG	-0.0838
Gm18	23464655	23464851	Gmdrm	hypo	CHG	-0.3421
Gm18	23492729	23492758	Gmdrm	hypo	CHG	-0.7515
Gm18	23497559	23497740	Gmdrm	hypo	CHG	-0.3737
Gm18	23497859	23498081	Gmdrm	hypo	CHG	-0.5012
Gm18	23498215	23498482	Gmdrm	hypo	CHG	-0.3117
Gm18	23500207	23500582	Gmdrm	hypo	CHG	-0.2672
Gm18	23500710	23500872	Gmdrm	hypo	CHG	-0.3317
Gm18	23502510	23502902	Gmdrm	hypo	CHG	-0.3027
Gm18	23503087	23503298	Gmdrm	hypo	CHG	-0.647
Gm18	23554349	23554631	Gmdrm	hypo	CHG	-0.2469
Gm18	23607006	23607085	Gmdrm	hypo	CHG	-0.51
Gm18	23694797	23695126	Gmdrm	hypo	CHG	-0.1062
Gm18	23711050	23711128	Gmdrm	hypo	CHG	-0.532
Gm18	23762930	23763396	Gmdrm	hypo	CHG	-0.223
Gm18	23764603	23764989	Gmdrm	hypo	CHG	-0.6525
Gm18	23765888	23766029	Gmdrm	hypo	CHG	-0.5934
Gm18	23768155	23768263	Gmdrm	hypo	CHG	-0.205
Gm18	24085092	24085262	Gmdrm	hypo	CHG	-0.3209
Gm18	24279616	24279878	Gmdrm	hypo	CHG	-0.8964
Gm18	24319815	24319861	Gmdrm	hypo	CHG	-0.714
Gm18	24322044	24322338	Gmdrm	hypo	CHG	-0.028
Gm18	24325280	24325356	Gmdrm	hypo	CHG	-0.415
Gm18	24676224	24676390	Gmdrm	hypo	CHG	-0.177
Gm18	24688224	24688331	Gmdrm	hypo	CHG	-0.59
Gm18	24772460	24772533	Gmdrm	hypo	CHG	-0.2772

Gm18	24839943	24840424	Gmdrm	hypo	CHG	-0.1455
Gm18	24859391	24860360	Gmdrm	hypo	CHG	-0.4329
Gm18	24860498	24860890	Gmdrm	hypo	CHG	-0.3885
Gm18	24873179	24873270	Gmdrm	hypo	CHG	-0.73
Gm18	24926187	24926497	Gmdrm	hypo	CHG	-0.1064
Gm18	24929564	24930101	Gmdrm	hypo	CHG	-0.524
Gm18	24933747	24934011	Gmdrm	hypo	CHG	-0.4273
Gm18	24935173	24935304	Gmdrm	hypo	CHG	-0.3625
Gm18	24935551	24935792	Gmdrm	hypo	CHG	-0.5663
Gm18	24945259	24945363	Gmdrm	hypo	CHG	-0.092
Gm18	25016197	25016295	Gmdrm	hypo	CHG	-0.6784
Gm18	25019643	25019768	Gmdrm	hypo	CHG	-0.068
Gm18	25109334	25109443	Gmdrm	hypo	CHG	-0.3767
Gm18	25196935	25197457	Gmdrm	hypo	CHG	-0.1953
Gm18	25199551	25199566	Gmdrm	hypo	CHG	-0.45
Gm18	25262321	25262597	Gmdrm	hypo	CHG	-0.33
Gm18	25269136	25269385	Gmdrm	hypo	CHG	-0.3921
Gm18	25275767	25275971	Gmdrm	hypo	CHG	-0.9238
Gm18	25276124	25276214	Gmdrm	hypo	CHG	-0.8217
Gm18	25405834	25406048	Gmdrm	hypo	CHG	-0.6362
Gm18	25603830	25603853	Gmdrm	hypo	CHG	-0.22
Gm18	25656286	25656458	Gmdrm	hypo	CHG	-0.6534
Gm18	25936911	25937012	Gmdrm	hypo	CHG	-0.6633
Gm18	25944515	25944684	Gmdrm	hypo	CHG	-0.3287
Gm18	25959359	25959801	Gmdrm	hypo	CHG	-0.03
Gm18	26381474	26381552	Gmdrm	hypo	CHG	-0.49
Gm18	26381712	26381843	Gmdrm	hypo	CHG	-0.6437
Gm18	26394578	26394878	Gmdrm	hypo	CHG	-0.1937
Gm18	26409368	26409524	Gmdrm	hypo	CHG	-0.1922
Gm18	26703924	26704034	Gmdrm	hypo	CHG	-0.326
Gm18	26908166	26908802	Gmdrm	hypo	CHG	-0.1969
Gm18	26911289	26911349	Gmdrm	hypo	CHG	-0.5734
Gm18	26911453	26911503	Gmdrm	hypo	CHG	-0.4083
Gm18	26919397	26919539	Gmdrm	hypo	CHG	-0.2909
Gm18	26919665	26920398	Gmdrm	hypo	CHG	-0.284
Gm18	26930035	26930408	Gmdrm	hypo	CHG	-0.2183
Gm18	26930541	26930610	Gmdrm	hypo	CHG	-0.5713
Gm18	27073278	27073732	Gmdrm	hypo	CHG	-0.3447
Gm18	27090804	27091107	Gmdrm	hypo	CHG	-0.1311
Gm18	27121445	27121779	Gmdrm	hypo	CHG	-0.3861
Gm18	27123196	27123350	Gmdrm	hypo	CHG	-0.7663
Gm18	27129286	27129540	Gmdrm	hypo	CHG	-0.599
Gm18	27129655	27129766	Gmdrm	hypo	CHG	-0.114
Gm18	27152453	27152572	Gmdrm	hypo	CHG	-0.3127
Gm18	27446914	27447102	Gmdrm	hypo	CHG	-0.1739
Gm18	27606107	27606214	Gmdrm	hypo	CHG	-0.5925

Gm18	27606390	27606809	Gmdrm	hypo	CHG	-0.352
Gm18	27641806	27642275	Gmdrm	hypo	CHG	-0.2382
Gm18	27806557	27806612	Gmdrm	hypo	CHG	-0.2767
Gm18	27919655	27919754	Gmdrm	hypo	CHG	-0.314
Gm18	28061897	28061994	Gmdrm	hypo	CHG	-0.3488
Gm18	28105184	28105312	Gmdrm	hypo	CHG	-0.3682
Gm18	28107941	28108029	Gmdrm	hypo	CHG	-0.2
Gm18	28304156	28304362	Gmdrm	hypo	CHG	-0.62
Gm18	28331124	28331401	Gmdrm	hypo	CHG	-0.645
Gm18	28331600	28331678	Gmdrm	hypo	CHG	-0.54
Gm18	28389501	28389637	Gmdrm	hypo	CHG	-0.6483
Gm18	28389895	28390164	Gmdrm	hypo	CHG	-0.4863
Gm18	28390272	28390376	Gmdrm	hypo	CHG	-0.1667
Gm18	28392160	28392265	Gmdrm	hypo	CHG	-0.048
Gm18	28570630	28571296	Gmdrm	hypo	CHG	-0.1318
Gm18	28575262	28575509	Gmdrm	hypo	CHG	-0.573
Gm18	28676968	28677154	Gmdrm	hypo	CHG	-0.4044
Gm18	28677949	28677971	Gmdrm	hypo	CHG	-0.83
Gm18	28765471	28765556	Gmdrm	hypo	CHG	-0.1983
Gm18	28771231	28771340	Gmdrm	hypo	CHG	-0.7433
Gm18	28919183	28919388	Gmdrm	hypo	CHG	-0.76
Gm18	29227906	29227979	Gmdrm	hypo	CHG	-0.32
Gm18	29242436	29242627	Gmdrm	hypo	CHG	-0.038
Gm18	29243979	29244074	Gmdrm	hypo	CHG	-0.4076
Gm18	29267957	29268274	Gmdrm	hypo	CHG	-0.4257
Gm18	29272753	29272907	Gmdrm	hypo	CHG	-0.075
Gm18	29288141	29288286	Gmdrm	hypo	CHG	-0.7028
Gm18	29386076	29386252	Gmdrm	hypo	CHG	-0.86
Gm18	29408636	29409173	Gmdrm	hypo	CHG	-0.2713
Gm18	29409297	29409544	Gmdrm	hypo	CHG	-0.3467
Gm18	29409717	29409812	Gmdrm	hypo	CHG	-0.2213
Gm18	29411093	29411385	Gmdrm	hypo	CHG	-0.4261
Gm18	29411789	29412604	Gmdrm	hypo	CHG	-0.196
Gm18	29476045	29476418	Gmdrm	hypo	CHG	-0.1731
Gm18	29687081	29687218	Gmdrm	hypo	CHG	-0.118
Gm18	30051418	30051533	Gmdrm	hypo	CHG	-0.7266
Gm18	30090892	30091208	Gmdrm	hypo	CHG	-0.6754
Gm18	30095095	30095427	Gmdrm	hypo	CHG	-0.4275
Gm18	30113996	30114089	Gmdrm	hypo	CHG	-0.3436
Gm18	30526304	30526533	Gmdrm	hypo	CHG	-0.47
Gm18	30591282	30591615	Gmdrm	hypo	CHG	-0.4612
Gm18	30592170	30592460	Gmdrm	hypo	CHG	-0.5121
Gm18	30592659	30592726	Gmdrm	hypo	CHG	-0.3267
Gm18	30690890	30691111	Gmdrm	hypo	CHG	-0.0425
Gm18	30695716	30696592	Gmdrm	hypo	CHG	-0.1902
Gm18	31108720	31108856	Gmdrm	hypo	CHG	-0.6317

Gm18	31140834	31140930	Gmdrm	hypo	CHG	-0.1467
Gm18	31329569	31329782	Gmdrm	hypo	CHG	-0.188
Gm18	31420150	31420269	Gmdrm	hypo	CHG	-0.515
Gm18	31504839	31505026	Gmdrm	hypo	CHG	-0.0914
Gm18	31529474	31529550	Gmdrm	hypo	CHG	-0.214
Gm18	31598322	31598331	Gmdrm	hypo	CHG	-0.67
Gm18	31909920	31910121	Gmdrm	hypo	CHG	-0.0723
Gm18	31949832	31950026	Gmdrm	hypo	CHG	-0.6166
Gm18	31950207	31950302	Gmdrm	hypo	CHG	-0.5375
Gm18	31951891	31952044	Gmdrm	hypo	CHG	-0.1463
Gm18	32242073	32242347	Gmdrm	hypo	CHG	-0.114
Gm18	32516794	32516846	Gmdrm	hypo	CHG	-0.256
Gm18	32588760	32589177	Gmdrm	hypo	CHG	-0.0932
Gm18	32604339	32604407	Gmdrm	hypo	CHG	-0.52
Gm18	32876255	32876376	Gmdrm	hypo	CHG	-0.386
Gm18	32884216	32884518	Gmdrm	hypo	CHG	-0.1788
Gm18	32950191	32950929	Gmdrm	hypo	CHG	-0.155
Gm18	32951055	32951324	Gmdrm	hypo	CHG	-0.2189
Gm18	32953524	32953731	Gmdrm	hypo	CHG	-0.2436
Gm18	32957955	32958887	Gmdrm	hypo	CHG	-0.137
Gm18	32959688	32960488	Gmdrm	hypo	CHG	-0.2836
Gm18	33042555	33043487	Gmdrm	hypo	CHG	-0.1134
Gm18	33198070	33198310	Gmdrm	hypo	CHG	-0.2505
Gm18	33208869	33208912	Gmdrm	hypo	CHG	-0.5717
Gm18	33225284	33225489	Gmdrm	hypo	CHG	-0.138
Gm18	33246322	33247150	Gmdrm	hypo	CHG	-0.1838
Gm18	33326805	33327263	Gmdrm	hypo	CHG	-0.1725
Gm18	33327808	33328796	Gmdrm	hypo	CHG	-0.1585
Gm18	33338206	33338928	Gmdrm	hypo	CHG	-0.1142
Gm18	33343216	33344149	Gmdrm	hypo	CHG	-0.0713
Gm18	33348797	33348859	Gmdrm	hypo	CHG	-0.32
Gm18	33353727	33354704	Gmdrm	hypo	CHG	-0.1867
Gm18	33411915	33412305	Gmdrm	hypo	CHG	-0.2916
Gm18	33520982	33521439	Gmdrm	hypo	CHG	-0.143
Gm18	33534579	33535376	Gmdrm	hypo	CHG	-0.136
Gm18	33546848	33547513	Gmdrm	hypo	CHG	-0.1293
Gm18	33602932	33603209	Gmdrm	hypo	CHG	-0.2717
Gm18	33687083	33687391	Gmdrm	hypo	CHG	-0.1775
Gm18	33713214	33713459	Gmdrm	hypo	CHG	-0.23
Gm18	33723856	33724235	Gmdrm	hypo	CHG	-0.2422
Gm18	33725892	33726173	Gmdrm	hypo	CHG	-0.1563
Gm18	33730166	33730837	Gmdrm	hypo	CHG	-0.191
Gm18	33735300	33735471	Gmdrm	hypo	CHG	-0.1771
Gm18	33735762	33736058	Gmdrm	hypo	CHG	-0.3031
Gm18	33736551	33737501	Gmdrm	hypo	CHG	-0.1443
Gm18	33740267	33740444	Gmdrm	hypo	CHG	-0.3953

Gm18	33740611	33740757	Gmdrm	hypo	CHG	-0.3483
Gm18	33740898	33741262	Gmdrm	hypo	CHG	-0.1468
Gm18	33743440	33743608	Gmdrm	hypo	CHG	-0.0734
Gm18	33743743	33743950	Gmdrm	hypo	CHG	-0.1291
Gm18	33748949	33749325	Gmdrm	hypo	CHG	-0.242
Gm18	33750654	33751097	Gmdrm	hypo	CHG	-0.3446
Gm18	33753523	33754116	Gmdrm	hypo	CHG	-0.2346
Gm18	33764232	33764321	Gmdrm	hypo	CHG	-0.5666
Gm18	33770249	33770649	Gmdrm	hypo	CHG	-0.2306
Gm18	33779170	33779411	Gmdrm	hypo	CHG	-0.14
Gm18	33786233	33786341	Gmdrm	hypo	CHG	-0.2944
Gm18	33787525	33787781	Gmdrm	hypo	CHG	-0.23
Gm18	33795245	33795407	Gmdrm	hypo	CHG	-0.4311
Gm18	33798902	33799492	Gmdrm	hypo	CHG	-0.4362
Gm18	33799615	33800446	Gmdrm	hypo	CHG	-0.2781
Gm18	33802678	33803241	Gmdrm	hypo	CHG	-0.42
Gm18	33803416	33804236	Gmdrm	hypo	CHG	-0.2748
Gm18	33804341	33805294	Gmdrm	hypo	CHG	-0.1288
Gm18	33807882	33808424	Gmdrm	hypo	CHG	-0.1324
Gm18	33808567	33808747	Gmdrm	hypo	CHG	-0.4131
Gm18	33809104	33809370	Gmdrm	hypo	CHG	-0.3281
Gm18	33812175	33812519	Gmdrm	hypo	CHG	-0.2542
Gm18	33812721	33813154	Gmdrm	hypo	CHG	-0.1637
Gm18	33818921	33819672	Gmdrm	hypo	CHG	-0.2358
Gm18	33819823	33820820	Gmdrm	hypo	CHG	-0.3677
Gm18	33820976	33821332	Gmdrm	hypo	CHG	-0.2884
Gm18	33827248	33827329	Gmdrm	hypo	CHG	-0.5275
Gm18	33827432	33828419	Gmdrm	hypo	CHG	-0.3947
Gm18	33828666	33829344	Gmdrm	hypo	CHG	-0.135
Gm18	33838068	33838289	Gmdrm	hypo	CHG	-0.1125
Gm18	33862894	33862932	Gmdrm	hypo	CHG	-0.3416
Gm18	33866699	33866756	Gmdrm	hypo	CHG	-0.2714
Gm18	33880280	33880393	Gmdrm	hypo	CHG	-0.2267
Gm18	33886956	33887091	Gmdrm	hypo	CHG	-0.3414
Gm18	33887508	33887610	Gmdrm	hypo	CHG	-0.345
Gm18	33892247	33892400	Gmdrm	hypo	CHG	-0.302
Gm18	33894100	33894735	Gmdrm	hypo	CHG	-0.238
Gm18	33895832	33896347	Gmdrm	hypo	CHG	-0.287
Gm18	33905380	33905537	Gmdrm	hypo	CHG	-0.3314
Gm18	33905739	33906363	Gmdrm	hypo	CHG	-0.2213
Gm18	33912287	33912968	Gmdrm	hypo	CHG	-0.386
Gm18	33914061	33914102	Gmdrm	hypo	CHG	-0.2562
Gm18	33914222	33914312	Gmdrm	hypo	CHG	-0.3567
Gm18	33914741	33915143	Gmdrm	hypo	CHG	-0.3377
Gm18	33915255	33915529	Gmdrm	hypo	CHG	-0.2422
Gm18	33916879	33917365	Gmdrm	hypo	CHG	-0.1941

Gm18	33917472	33917681	Gmdrm	hypo	CHG	-0.22
Gm18	33926639	33926861	Gmdrm	hypo	CHG	-0.43
Gm18	33927228	33927458	Gmdrm	hypo	CHG	-0.5129
Gm18	33973645	33973923	Gmdrm	hypo	CHG	-0.2862
Gm18	34173827	34174020	Gmdrm	hypo	CHG	-0.5444
Gm18	34176926	34177086	Gmdrm	hypo	CHG	-0.0873
Gm18	34264193	34264395	Gmdrm	hypo	CHG	-0.2557
Gm18	34381475	34381583	Gmdrm	hypo	CHG	-0.122
Gm18	34502743	34502827	Gmdrm	hypo	CHG	-0.4317
Gm18	34536967	34537067	Gmdrm	hypo	CHG	-0.6283
Gm18	34537170	34537452	Gmdrm	hypo	CHG	-0.626
Gm18	34540418	34540504	Gmdrm	hypo	CHG	-0.6333
Gm18	34540767	34540903	Gmdrm	hypo	CHG	-0.2289
Gm18	34698880	34699874	Gmdrm	hypo	CHG	-0.0778
Gm18	34706423	34706471	Gmdrm	hypo	CHG	-0.2963
Gm18	34716412	34716976	Gmdrm	hypo	CHG	-0.3964
Gm18	34822134	34822255	Gmdrm	hypo	CHG	-0.4645
Gm18	34826767	34827192	Gmdrm	hypo	CHG	-0.1133
Gm18	35028448	35028613	Gmdrm	hypo	CHG	-0.3166
Gm18	35028763	35028825	Gmdrm	hypo	CHG	-0.56
Gm18	35086879	35087234	Gmdrm	hypo	CHG	-0.4683
Gm18	35087982	35088120	Gmdrm	hypo	CHG	-0.3467
Gm18	35115028	35115398	Gmdrm	hypo	CHG	-0.2662
Gm18	35135899	35136246	Gmdrm	hypo	CHG	-0.5888
Gm18	35175426	35175489	Gmdrm	hypo	CHG	-0.036
Gm18	35187575	35187800	Gmdrm	hypo	CHG	-0.5033
Gm18	35190466	35190788	Gmdrm	hypo	CHG	-0.0534
Gm18	35196029	35196113	Gmdrm	hypo	CHG	-0.482
Gm18	35210683	35210724	Gmdrm	hypo	CHG	-0.4167
Gm18	35211771	35211889	Gmdrm	hypo	CHG	-0.422
Gm18	35282108	35282466	Gmdrm	hypo	CHG	-0.27
Gm18	35335661	35335982	Gmdrm	hypo	CHG	-0.6864
Gm18	35336553	35336647	Gmdrm	hypo	CHG	-0.5883
Gm18	35336793	35336912	Gmdrm	hypo	CHG	-0.5467
Gm18	35495622	35496246	Gmdrm	hypo	CHG	-0.7812
Gm18	35496424	35496561	Gmdrm	hypo	CHG	-0.57
Gm18	35496711	35496765	Gmdrm	hypo	CHG	-0.335
Gm18	35498030	35498088	Gmdrm	hypo	CHG	-0.588
Gm18	35890522	35890540	Gmdrm	hypo	CHG	-0.324
Gm18	35916331	35916481	Gmdrm	hypo	CHG	-0.101
Gm18	35960587	35960646	Gmdrm	hypo	CHG	-0.2043
Gm18	35982202	35983189	Gmdrm	hypo	CHG	-0.1743
Gm18	35985917	35986510	Gmdrm	hypo	CHG	-0.0307
Gm18	36020795	36021157	Gmdrm	hypo	CHG	-0.4066
Gm18	36088364	36088482	Gmdrm	hypo	CHG	-0.1
Gm18	36134733	36134827	Gmdrm	hypo	CHG	-0.5415

Gm18	36134949	36135088	Gmdrm	hypo	CHG	-0.762
Gm18	36136236	36136366	Gmdrm	hypo	CHG	-0.35
Gm18	36136771	36136964	Gmdrm	hypo	CHG	-0.683
Gm18	36138019	36138465	Gmdrm	hypo	CHG	-0.6759
Gm18	36185654	36185718	Gmdrm	hypo	CHG	-0.51
Gm18	36191223	36191474	Gmdrm	hypo	CHG	-0.4194
Gm18	36192083	36192438	Gmdrm	hypo	CHG	-0.4388
Gm18	36193118	36193279	Gmdrm	hypo	CHG	-0.595
Gm18	36193392	36193528	Gmdrm	hypo	CHG	-0.814
Gm18	36193637	36193673	Gmdrm	hypo	CHG	-0.8471
Gm18	36194092	36194742	Gmdrm	hypo	CHG	-0.6757
Gm18	36194899	36194960	Gmdrm	hypo	CHG	-0.5528
Gm18	36222829	36222937	Gmdrm	hypo	CHG	-0.4667
Gm18	36231546	36231986	Gmdrm	hypo	CHG	-0.0928
Gm18	36237037	36237209	Gmdrm	hypo	CHG	-0.086
Gm18	36244445	36244515	Gmdrm	hypo	CHG	-0.5717
Gm18	36254970	36255084	Gmdrm	hypo	CHG	-0.655
Gm18	36337432	36337580	Gmdrm	hypo	CHG	-0.363
Gm18	36473739	36473889	Gmdrm	hypo	CHG	-0.7
Gm18	36477473	36477597	Gmdrm	hypo	CHG	-0.7267
Gm18	36482837	36483023	Gmdrm	hypo	CHG	-0.7654
Gm18	36511102	36511348	Gmdrm	hypo	CHG	-0.3465
Gm18	36597081	36597308	Gmdrm	hypo	CHG	-0.6114
Gm18	36604320	36604338	Gmdrm	hypo	CHG	-0.154
Gm18	36675302	36675482	Gmdrm	hypo	CHG	-0.4736
Gm18	36675590	36675870	Gmdrm	hypo	CHG	-0.402
Gm18	36679448	36679828	Gmdrm	hypo	CHG	-0.6196
Gm18	36679989	36680080	Gmdrm	hypo	CHG	-0.152
Gm18	36682020	36682171	Gmdrm	hypo	CHG	-0.0786
Gm18	36699272	36699322	Gmdrm	hypo	CHG	-0.5043
Gm18	36706447	36707212	Gmdrm	hypo	CHG	-0.1956
Gm18	36707978	36708164	Gmdrm	hypo	CHG	-0.3333
Gm18	36709726	36709933	Gmdrm	hypo	CHG	-0.0917
Gm18	36714840	36714976	Gmdrm	hypo	CHG	-0.3084
Gm18	36723580	36723737	Gmdrm	hypo	CHG	-0.135
Gm18	36791494	36791657	Gmdrm	hypo	CHG	-0.1782
Gm18	36856354	36856523	Gmdrm	hypo	CHG	-0.44
Gm18	36856671	36856753	Gmdrm	hypo	CHG	-0.4834
Gm18	36857099	36857217	Gmdrm	hypo	CHG	-0.3866
Gm18	36863143	36863306	Gmdrm	hypo	CHG	-0.1081
Gm18	36863845	36864474	Gmdrm	hypo	CHG	-0.1367
Gm18	36864969	36865838	Gmdrm	hypo	CHG	-0.1398
Gm18	36865955	36866057	Gmdrm	hypo	CHG	-0.1749
Gm18	36868488	36868656	Gmdrm	hypo	CHG	-0.0814
Gm18	36868810	36869296	Gmdrm	hypo	CHG	-0.0773
Gm18	36869438	36869904	Gmdrm	hypo	CHG	-0.0214

Gm18	36870438	36870751	Gmdrm	hypo	CHG	-0.1847
Gm18	36900596	36900786	Gmdrm	hypo	CHG	-0.168
Gm18	36904654	36904909	Gmdrm	hypo	CHG	-0.2155
Gm18	36941519	36941912	Gmdrm	hypo	CHG	-0.2027
Gm18	36947561	36947770	Gmdrm	hypo	CHG	-0.1943
Gm18	36980756	36981491	Gmdrm	hypo	CHG	-0.1186
Gm18	37147257	37147353	Gmdrm	hypo	CHG	-0.3016
Gm18	37547298	37548252	Gmdrm	hypo	CHG	-0.1271
Gm18	37596680	37596847	Gmdrm	hypo	CHG	-0.2233
Gm18	37757271	37757660	Gmdrm	hypo	CHG	-0.3316
Gm18	37863038	37863176	Gmdrm	hypo	CHG	-0.456
Gm18	37867036	37867194	Gmdrm	hypo	CHG	-0.0375
Gm18	37868039	37868262	Gmdrm	hypo	CHG	-0.4363
Gm18	37870809	37871397	Gmdrm	hypo	CHG	-0.124
Gm18	37897624	37898253	Gmdrm	hypo	CHG	-0.248
Gm18	37933078	37933154	Gmdrm	hypo	CHG	-0.85
Gm18	37933262	37933517	Gmdrm	hypo	CHG	-0.853
Gm18	37933909	37934011	Gmdrm	hypo	CHG	-0.195
Gm18	37938863	37939116	Gmdrm	hypo	CHG	-0.2325
Gm18	37978741	37978997	Gmdrm	hypo	CHG	-0.16
Gm18	37980316	37980829	Gmdrm	hypo	CHG	-0.2823
Gm18	37982181	37982268	Gmdrm	hypo	CHG	-0.568
Gm18	37982371	37982683	Gmdrm	hypo	CHG	-0.4523
Gm18	38006213	38006289	Gmdrm	hypo	CHG	-0.1934
Gm18	38011063	38011114	Gmdrm	hypo	CHG	-0.082
Gm18	38029219	38029931	Gmdrm	hypo	CHG	-0.076
Gm18	38064393	38064674	Gmdrm	hypo	CHG	-0.3328
Gm18	38109562	38109700	Gmdrm	hypo	CHG	-0.671
Gm18	38131528	38131908	Gmdrm	hypo	CHG	-0.04
Gm18	38136477	38136587	Gmdrm	hypo	CHG	-0.3111
Gm18	38136690	38136797	Gmdrm	hypo	CHG	-0.4038
Gm18	38139181	38139257	Gmdrm	hypo	CHG	-0.2066
Gm18	38140039	38140207	Gmdrm	hypo	CHG	-0.29
Gm18	38140669	38140753	Gmdrm	hypo	CHG	-0.3183
Gm18	38140906	38141227	Gmdrm	hypo	CHG	-0.5781
Gm18	38142172	38142571	Gmdrm	hypo	CHG	-0.5167
Gm18	38145057	38145534	Gmdrm	hypo	CHG	-0.3446
Gm18	38146678	38146747	Gmdrm	hypo	CHG	-0.518
Gm18	38163685	38164265	Gmdrm	hypo	CHG	-0.6536
Gm18	38172342	38172384	Gmdrm	hypo	CHG	-0.725
Gm18	38172597	38172833	Gmdrm	hypo	CHG	-0.553
Gm18	38182736	38183024	Gmdrm	hypo	CHG	-0.6225
Gm18	38187064	38187162	Gmdrm	hypo	CHG	-0.092
Gm18	38261914	38262012	Gmdrm	hypo	CHG	-0.3428
Gm18	38460695	38460969	Gmdrm	hypo	CHG	-0.0671
Gm18	38483609	38483851	Gmdrm	hypo	CHG	-0.1917

Gm18	38487782	38488075	Gmdrm	hypo	CHG	-0.2684
Gm18	38505860	38506060	Gmdrm	hypo	CHG	-0.3006
Gm18	38531823	38531938	Gmdrm	hypo	CHG	-0.409
Gm18	38532050	38532137	Gmdrm	hypo	CHG	-0.7187
Gm18	38535122	38535444	Gmdrm	hypo	CHG	-0.195
Gm18	38564213	38564488	Gmdrm	hypo	CHG	-0.3035
Gm18	38564717	38564986	Gmdrm	hypo	CHG	-0.2622
Gm18	38627018	38627932	Gmdrm	hypo	CHG	-0.2369
Gm18	38630730	38630957	Gmdrm	hypo	CHG	-0.1966
Gm18	38631059	38631186	Gmdrm	hypo	CHG	-0.438
Gm18	38654436	38654614	Gmdrm	hypo	CHG	-0.8967
Gm18	38673452	38673474	Gmdrm	hypo	CHG	-0.1233
Gm18	38677603	38677748	Gmdrm	hypo	CHG	-0.1508
Gm18	38734563	38734728	Gmdrm	hypo	CHG	-0.1972
Gm18	38745031	38745427	Gmdrm	hypo	CHG	-0.1557
Gm18	38758540	38758656	Gmdrm	hypo	CHG	-0.608
Gm18	38762730	38762971	Gmdrm	hypo	CHG	-0.2009
Gm18	38766857	38767196	Gmdrm	hypo	CHG	-0.1604
Gm18	38803879	38804187	Gmdrm	hypo	CHG	-0.506
Gm18	38858745	38859072	Gmdrm	hypo	CHG	-0.2986
Gm18	38866512	38866640	Gmdrm	hypo	CHG	-0.384
Gm18	38955195	38956008	Gmdrm	hypo	CHG	-0.2014
Gm18	38957289	38957361	Gmdrm	hypo	CHG	-0.24
Gm18	38958049	38958227	Gmdrm	hypo	CHG	-0.0386
Gm18	38963125	38963208	Gmdrm	hypo	CHG	-0.06
Gm18	38982202	38982272	Gmdrm	hypo	CHG	-0.428
Gm18	39029465	39029997	Gmdrm	hypo	CHG	-0.2215
Gm18	39030145	39030569	Gmdrm	hypo	CHG	-0.1877
Gm18	39030812	39031116	Gmdrm	hypo	CHG	-0.2671
Gm18	39037946	39038114	Gmdrm	hypo	CHG	-0.183
Gm18	39039295	39039955	Gmdrm	hypo	CHG	-0.0796
Gm18	39041528	39041691	Gmdrm	hypo	CHG	-0.1422
Gm18	39043707	39043977	Gmdrm	hypo	CHG	-0.1794
Gm18	39046534	39046736	Gmdrm	hypo	CHG	-0.072
Gm18	39068977	39069195	Gmdrm	hypo	CHG	-0.0188
Gm18	39069361	39069685	Gmdrm	hypo	CHG	-0.4018
Gm18	39069865	39069983	Gmdrm	hypo	CHG	-0.4775
Gm18	39070327	39070409	Gmdrm	hypo	CHG	-0.3828
Gm18	39070561	39070726	Gmdrm	hypo	CHG	-0.4357
Gm18	39111542	39112101	Gmdrm	hypo	CHG	-0.149
Gm18	39116799	39116912	Gmdrm	hypo	CHG	-0.204
Gm18	39133290	39133408	Gmdrm	hypo	CHG	-0.15
Gm18	39187450	39187851	Gmdrm	hypo	CHG	-0.0378
Gm18	39192333	39192605	Gmdrm	hypo	CHG	-0.0264
Gm18	39229367	39229619	Gmdrm	hypo	CHG	-0.2522
Gm18	39229749	39229997	Gmdrm	hypo	CHG	-0.0164

Gm18	39963551	39963828	Gmdrm	hypo	CHG	-0.5277
Gm18	39964008	39964127	Gmdrm	hypo	CHG	-0.5875
Gm18	39964471	39964553	Gmdrm	hypo	CHG	-0.525
Gm18	40075230	40075323	Gmdrm	hypo	CHG	-0.086
Gm18	40101274	40101410	Gmdrm	hypo	CHG	-0.465
Gm18	40115568	40115787	Gmdrm	hypo	CHG	-0.0817
Gm18	40149194	40149249	Gmdrm	hypo	CHG	-0.2774
Gm18	40149390	40149666	Gmdrm	hypo	CHG	-0.1147
Gm18	40151214	40151298	Gmdrm	hypo	CHG	-0.5625
Gm18	40211407	40211585	Gmdrm	hypo	CHG	-0.825
Gm18	40378656	40378874	Gmdrm	hypo	CHG	-0.038
Gm18	40385814	40386043	Gmdrm	hypo	CHG	-0.0585
Gm18	40438273	40438992	Gmdrm	hypo	CHG	-0.343
Gm18	40489598	40490569	Gmdrm	hypo	CHG	-0.2202
Gm18	40490635	40490700	Gmdrm	hypo	CHG	-0.6015
Gm18	40574571	40574858	Gmdrm	hypo	CHG	-0.7054
Gm18	40689283	40689316	Gmdrm	hypo	CHG	-0.53
Gm18	40730234	40730305	Gmdrm	hypo	CHG	-0.15
Gm18	40798982	40799092	Gmdrm	hypo	CHG	-0.3555
Gm18	40799357	40799371	Gmdrm	hypo	CHG	-0.2517
Gm18	40801682	40801854	Gmdrm	hypo	CHG	-0.4192
Gm18	40857866	40858093	Gmdrm	hypo	CHG	-0.4737
Gm18	40866061	40866135	Gmdrm	hypo	CHG	-0.386
Gm18	40867413	40867655	Gmdrm	hypo	CHG	-0.4624
Gm18	40868384	40868590	Gmdrm	hypo	CHG	-0.053
Gm18	40879361	40879521	Gmdrm	hypo	CHG	-0.0267
Gm18	40883467	40883852	Gmdrm	hypo	CHG	-0.6983
Gm18	40936388	40936554	Gmdrm	hypo	CHG	-0.1875
Gm18	40985514	40985653	Gmdrm	hypo	CHG	-0.1828
Gm18	41014233	41014887	Gmdrm	hypo	CHG	-0.2124
Gm18	41359410	41359473	Gmdrm	hypo	CHG	-0.7117
Gm18	41390824	41390870	Gmdrm	hypo	CHG	-0.34
Gm18	41410433	41410716	Gmdrm	hypo	CHG	-0.6728
Gm18	41478928	41479268	Gmdrm	hypo	CHG	-0.4356
Gm18	41481683	41481843	Gmdrm	hypo	CHG	-0.44
Gm18	41485307	41485435	Gmdrm	hypo	CHG	-0.0472
Gm18	41505588	41505754	Gmdrm	hypo	CHG	-0.775
Gm18	41548010	41548393	Gmdrm	hypo	CHG	-0.512
Gm18	41554113	41554250	Gmdrm	hypo	CHG	-0.2038
Gm18	41560738	41561032	Gmdrm	hypo	CHG	-0.4171
Gm18	41577921	41578146	Gmdrm	hypo	CHG	-0.4427
Gm18	41582292	41582327	Gmdrm	hypo	CHG	-0.196
Gm18	41591177	41591263	Gmdrm	hypo	CHG	-0.635
Gm18	41618115	41618453	Gmdrm	hypo	CHG	-0.0775
Gm18	41635283	41635360	Gmdrm	hypo	CHG	-0.6017
Gm18	41651162	41651243	Gmdrm	hypo	CHG	-0.2574

Gm18	41651359	41651442	Gmdrm	hypo	CHG	-0.36
Gm18	41653977	41654222	Gmdrm	hypo	CHG	-0.6093
Gm18	41654452	41654549	Gmdrm	hypo	CHG	-0.818
Gm18	41751763	41751888	Gmdrm	hypo	CHG	-0.3255
Gm18	41759132	41759521	Gmdrm	hypo	CHG	-0.2777
Gm18	41765316	41765536	Gmdrm	hypo	CHG	-0.2293
Gm18	41771314	41771707	Gmdrm	hypo	CHG	-0.1037
Gm18	41832206	41832244	Gmdrm	hypo	CHG	-0.1087
Gm18	41841440	41841631	Gmdrm	hypo	CHG	-0.3755
Gm18	41873276	41873623	Gmdrm	hypo	CHG	-0.2272
Gm18	41874236	41874327	Gmdrm	hypo	CHG	-0.545
Gm18	41874430	41874583	Gmdrm	hypo	CHG	-0.7541
Gm18	41882146	41882300	Gmdrm	hypo	CHG	-0.1338
Gm18	41884379	41884879	Gmdrm	hypo	CHG	-0.4339
Gm18	41913797	41913960	Gmdrm	hypo	CHG	-0.4671
Gm18	41936250	41936450	Gmdrm	hypo	CHG	-0.54
Gm18	41936596	41936712	Gmdrm	hypo	CHG	-0.6575
Gm18	41936840	41937013	Gmdrm	hypo	CHG	-0.8018
Gm18	41938001	41938998	Gmdrm	hypo	CHG	-0.1845
Gm18	41939067	41939599	Gmdrm	hypo	CHG	-0.2707
Gm18	41940061	41940546	Gmdrm	hypo	CHG	-0.2005
Gm18	41941528	41941771	Gmdrm	hypo	CHG	-0.2219
Gm18	41941902	41942214	Gmdrm	hypo	CHG	-0.24
Gm18	41942514	41942664	Gmdrm	hypo	CHG	-0.1137
Gm18	41942780	41943083	Gmdrm	hypo	CHG	-0.179
Gm18	41943224	41943581	Gmdrm	hypo	CHG	-0.0976
Gm18	41944105	41944298	Gmdrm	hypo	CHG	-0.495
Gm18	41946627	41946771	Gmdrm	hypo	CHG	-0.0384
Gm18	41948616	41949048	Gmdrm	hypo	CHG	-0.1388
Gm18	41964143	41964272	Gmdrm	hypo	CHG	-0.687
Gm18	41964729	41964986	Gmdrm	hypo	CHG	-0.4908
Gm18	41978506	41978659	Gmdrm	hypo	CHG	-0.1134
Gm18	42022592	42023108	Gmdrm	hypo	CHG	-0.5109
Gm18	42059258	42059448	Gmdrm	hypo	CHG	-0.5044
Gm18	42178662	42178782	Gmdrm	hypo	CHG	-0.616
Gm18	42195767	42196298	Gmdrm	hypo	CHG	-0.5696
Gm18	42196703	42196966	Gmdrm	hypo	CHG	-0.644
Gm18	42240017	42240307	Gmdrm	hypo	CHG	-0.3275
Gm18	42247094	42247389	Gmdrm	hypo	CHG	-0.1962
Gm18	42247753	42248014	Gmdrm	hypo	CHG	-0.5707
Gm18	42270287	42270547	Gmdrm	hypo	CHG	-0.5316
Gm18	42324920	42325238	Gmdrm	hypo	CHG	-0.2044
Gm18	42325686	42326066	Gmdrm	hypo	CHG	-0.3883
Gm18	42326175	42326254	Gmdrm	hypo	CHG	-0.4557
Gm18	42334033	42334056	Gmdrm	hypo	CHG	-0.8984
Gm18	42334502	42334615	Gmdrm	hypo	CHG	-0.495

Gm18	42334949	42335085	Gmdrm	hypo	CHG	-0.5878
Gm18	42335223	42335371	Gmdrm	hypo	CHG	-0.542
Gm18	42336381	42336473	Gmdrm	hypo	CHG	-0.046
Gm18	42354353	42354435	Gmdrm	hypo	CHG	-0.4509
Gm18	42375101	42375232	Gmdrm	hypo	CHG	-0.2237
Gm18	42386280	42386397	Gmdrm	hypo	CHG	-0.4163
Gm18	42432026	42432344	Gmdrm	hypo	CHG	-0.838
Gm18	42433041	42433120	Gmdrm	hypo	CHG	-0.64
Gm18	42457289	42457516	Gmdrm	hypo	CHG	-0.0334
Gm18	42458960	42459078	Gmdrm	hypo	CHG	-0.2158
Gm18	42465765	42465832	Gmdrm	hypo	CHG	-0.7834
Gm18	42483762	42483864	Gmdrm	hypo	CHG	-0.308
Gm18	42493990	42494090	Gmdrm	hypo	CHG	-0.3312
Gm18	42494227	42494412	Gmdrm	hypo	CHG	-0.5229
Gm18	42495021	42495117	Gmdrm	hypo	CHG	-0.1967
Gm18	42534152	42534405	Gmdrm	hypo	CHG	-0.2025
Gm18	42542008	42542175	Gmdrm	hypo	CHG	-0.3587
Gm18	42542721	42542909	Gmdrm	hypo	CHG	-0.585
Gm18	42548202	42548521	Gmdrm	hypo	CHG	-0.6656
Gm18	42642394	42642684	Gmdrm	hypo	CHG	-0.3595
Gm18	42802291	42802591	Gmdrm	hypo	CHG	-0.49
Gm18	42802709	42802924	Gmdrm	hypo	CHG	-0.4242
Gm18	42818829	42818923	Gmdrm	hypo	CHG	-0.5288
Gm18	42890438	42890514	Gmdrm	hypo	CHG	-0.2915
Gm18	42938755	42939070	Gmdrm	hypo	CHG	-0.0967
Gm18	43369636	43369818	Gmdrm	hypo	CHG	-0.048
Gm18	43403760	43403851	Gmdrm	hypo	CHG	-0.4317
Gm18	43404232	43404387	Gmdrm	hypo	CHG	-0.0417
Gm18	43404586	43404652	Gmdrm	hypo	CHG	-0.398
Gm18	43404753	43404958	Gmdrm	hypo	CHG	-0.065
Gm18	43513806	43513889	Gmdrm	hypo	CHG	-0.2817
Gm18	43554926	43555005	Gmdrm	hypo	CHG	-0.0673
Gm18	43626150	43626346	Gmdrm	hypo	CHG	-0.6154
Gm18	43626929	43627020	Gmdrm	hypo	CHG	-0.3936
Gm18	43627965	43628255	Gmdrm	hypo	CHG	-0.1555
Gm18	43628426	43628467	Gmdrm	hypo	CHG	-0.368
Gm18	43661556	43662021	Gmdrm	hypo	CHG	-0.166
Gm18	43673277	43673373	Gmdrm	hypo	CHG	-0.7825
Gm18	43746598	43746628	Gmdrm	hypo	CHG	-0.0867
Gm18	43746735	43746887	Gmdrm	hypo	CHG	-0.7164
Gm18	43747689	43747824	Gmdrm	hypo	CHG	-0.4957
Gm18	43770375	43770476	Gmdrm	hypo	CHG	-0.493
Gm18	43782679	43783001	Gmdrm	hypo	CHG	-0.7372
Gm18	43783141	43783318	Gmdrm	hypo	CHG	-0.3275
Gm18	43788230	43788508	Gmdrm	hypo	CHG	-0.5037
Gm18	43810582	43810752	Gmdrm	hypo	CHG	-0.3534

Gm18	43812365	43812788	Gmdrm	hypo	CHG	-0.1825
Gm18	43831707	43831890	Gmdrm	hypo	CHG	-0.7369
Gm18	43832125	43832316	Gmdrm	hypo	CHG	-0.37
Gm18	43845018	43845124	Gmdrm	hypo	CHG	-0.106
Gm18	43873498	43873602	Gmdrm	hypo	CHG	-0.0433
Gm18	43933386	43933538	Gmdrm	hypo	CHG	-0.3685
Gm18	43936029	43936267	Gmdrm	hypo	CHG	-0.8783
Gm18	43940672	43941154	Gmdrm	hypo	CHG	-0.7429
Gm18	43943770	43943860	Gmdrm	hypo	CHG	-0.49
Gm18	43944113	43944364	Gmdrm	hypo	CHG	-0.2138
Gm18	43981453	43981642	Gmdrm	hypo	CHG	-0.345
Gm18	43981873	43982125	Gmdrm	hypo	CHG	-0.7354
Gm18	43984253	43984388	Gmdrm	hypo	CHG	-0.411
Gm18	44004609	44004795	Gmdrm	hypo	CHG	-0.2325
Gm18	44030622	44030639	Gmdrm	hypo	CHG	-0.3717
Gm18	44048581	44048906	Gmdrm	hypo	CHG	-0.7062
Gm18	44049727	44049759	Gmdrm	hypo	CHG	-0.918
Gm18	44133364	44133445	Gmdrm	hypo	CHG	-0.0533
Gm18	44157394	44157440	Gmdrm	hypo	CHG	-0.7167
Gm18	44159767	44159922	Gmdrm	hypo	CHG	-0.495
Gm18	44186685	44187302	Gmdrm	hypo	CHG	-0.21
Gm18	44198907	44199016	Gmdrm	hypo	CHG	-0.3143
Gm18	44199156	44199223	Gmdrm	hypo	CHG	-0.076
Gm18	44199390	44199491	Gmdrm	hypo	CHG	-0.544
Gm18	44199619	44199654	Gmdrm	hypo	CHG	-0.8333
Gm18	44229996	44230203	Gmdrm	hypo	CHG	-0.0312
Gm18	44237228	44237507	Gmdrm	hypo	CHG	-0.536
Gm18	44253409	44253693	Gmdrm	hypo	CHG	-0.2973
Gm18	44254481	44254584	Gmdrm	hypo	CHG	-0.58
Gm18	44257518	44257601	Gmdrm	hypo	CHG	-0.864
Gm18	44257874	44257906	Gmdrm	hypo	CHG	-0.84
Gm18	44258067	44258432	Gmdrm	hypo	CHG	-0.4633
Gm18	44283599	44283715	Gmdrm	hypo	CHG	-0.5713
Gm18	44351130	44351194	Gmdrm	hypo	CHG	-0.032
Gm18	44351795	44352041	Gmdrm	hypo	CHG	-0.8291
Gm18	44352162	44352225	Gmdrm	hypo	CHG	-0.9217
Gm18	44352491	44352602	Gmdrm	hypo	CHG	-0.078
Gm18	44386861	44387032	Gmdrm	hypo	CHG	-0.1986
Gm18	44408308	44408438	Gmdrm	hypo	CHG	-0.495
Gm18	44430112	44430204	Gmdrm	hypo	CHG	-0.8533
Gm18	44435529	44435818	Gmdrm	hypo	CHG	-0.4123
Gm18	44459232	44459483	Gmdrm	hypo	CHG	-0.45
Gm18	44459800	44459851	Gmdrm	hypo	CHG	-0.038
Gm18	44538500	44538594	Gmdrm	hypo	CHG	-0.2917
Gm18	44547701	44547880	Gmdrm	hypo	CHG	-0.8014
Gm18	44548127	44548289	Gmdrm	hypo	CHG	-0.9325

Gm18	44548402	44548780 Gmdrm	hypo	CHG	-0.4227
Gm18	44554386	44554515 Gmdrm	hypo	CHG	-0.378
Gm18	44572297	44572434 Gmdrm	hypo	CHG	-0.6734
Gm18	44601260	44601370 Gmdrm	hypo	CHG	-0.4433
Gm18	44601710	44601800 Gmdrm	hypo	CHG	-0.0783
Gm18	44615378	44615567 Gmdrm	hypo	CHG	-0.7708
Gm18	44615672	44615771 Gmdrm	hypo	CHG	-0.598
Gm18	44643781	44644009 Gmdrm	hypo	CHG	-0.7739
Gm18	44644565	44644667 Gmdrm	hypo	CHG	-0.5259
Gm18	44666073	44666303 Gmdrm	hypo	CHG	-0.3336
Gm18	44668038	44668200 Gmdrm	hypo	CHG	-0.2817
Gm18	44668408	44668632 Gmdrm	hypo	CHG	-0.5769
Gm18	44694127	44694548 Gmdrm	hypo	CHG	-0.5121
Gm18	44748060	44748569 Gmdrm	hypo	CHG	-0.3393
Gm18	44750231	44750413 Gmdrm	hypo	CHG	-0.0317
Gm18	44753104	44753164 Gmdrm	hypo	CHG	-0.276
Gm18	44785229	44785400 Gmdrm	hypo	CHG	-0.052
Gm18	44786926	44787136 Gmdrm	hypo	CHG	-0.685
Gm18	44870577	44870654 Gmdrm	hypo	CHG	-0.3116
Gm18	44892194	44892318 Gmdrm	hypo	CHG	-0.305
Gm18	44896550	44896743 Gmdrm	hypo	CHG	-0.034
Gm18	44897397	44897680 Gmdrm	hypo	CHG	-0.0742
Gm18	44897982	44898190 Gmdrm	hypo	CHG	-0.7587
Gm18	44901989	44902131 Gmdrm	hypo	CHG	-0.89
Gm18	44905856	44906177 Gmdrm	hypo	CHG	-0.584
Gm18	44906947	44907037 Gmdrm	hypo	CHG	-0.8414
Gm18	44913652	44913776 Gmdrm	hypo	CHG	-0.4317
Gm18	45013856	45014009 Gmdrm	hypo	CHG	-0.175
Gm18	45095018	45095069 Gmdrm	hypo	CHG	-0.137
Gm18	45116973	45117139 Gmdrm	hypo	CHG	-0.54
Gm18	45120141	45120701 Gmdrm	hypo	CHG	-0.3997
Gm18	45121419	45121625 Gmdrm	hypo	CHG	-0.0729
Gm18	45131411	45131716 Gmdrm	hypo	CHG	-0.4819
Gm18	45238726	45238991 Gmdrm	hypo	CHG	-0.6366
Gm18	45240805	45240948 Gmdrm	hypo	CHG	-0.5027
Gm18	45248221	45248451 Gmdrm	hypo	CHG	-0.4581
Gm18	45251031	45251145 Gmdrm	hypo	CHG	-0.048
Gm18	45252619	45252857 Gmdrm	hypo	CHG	-0.03
Gm18	45260516	45260707 Gmdrm	hypo	CHG	-0.6193
Gm18	45260810	45260948 Gmdrm	hypo	CHG	-0.1633
Gm18	45295707	45295736 Gmdrm	hypo	CHG	-0.3466
Gm18	45318856	45319101 Gmdrm	hypo	CHG	-0.2541
Gm18	45327459	45327649 Gmdrm	hypo	CHG	-0.2308
Gm18	45333903	45334007 Gmdrm	hypo	CHG	-0.2214
Gm18	45334210	45334318 Gmdrm	hypo	CHG	-0.412
Gm18	45338000	45338396 Gmdrm	hypo	CHG	-0.119

Gm18	45404878	45404976	Gmdrm	hypo	CHG	-0.5216
Gm18	45405105	45405308	Gmdrm	hypo	CHG	-0.3675
Gm18	45412259	45412354	Gmdrm	hypo	CHG	-0.1575
Gm18	45415223	45415558	Gmdrm	hypo	CHG	-0.452
Gm18	45434007	45434301	Gmdrm	hypo	CHG	-0.048
Gm18	45462348	45462513	Gmdrm	hypo	CHG	-0.1364
Gm18	45462635	45462975	Gmdrm	hypo	CHG	-0.53
Gm18	45463430	45463646	Gmdrm	hypo	CHG	-0.7122
Gm18	45471728	45471921	Gmdrm	hypo	CHG	-0.0473
Gm18	45822550	45822603	Gmdrm	hypo	CHG	-0.38
Gm18	45834080	45834330	Gmdrm	hypo	CHG	-0.035
Gm18	45839023	45839249	Gmdrm	hypo	CHG	-0.3779
Gm18	45864037	45864156	Gmdrm	hypo	CHG	-0.5862
Gm18	45903915	45904299	Gmdrm	hypo	CHG	-0.1337
Gm18	45938583	45938609	Gmdrm	hypo	CHG	-0.464
Gm18	45951059	45951099	Gmdrm	hypo	CHG	-0.2833
Gm18	45959747	45959954	Gmdrm	hypo	CHG	-0.4689
Gm18	45974045	45974404	Gmdrm	hypo	CHG	-0.4643
Gm18	45994983	45995204	Gmdrm	hypo	CHG	-0.459
Gm18	45999042	45999188	Gmdrm	hypo	CHG	-0.7664
Gm18	46042324	46042616	Gmdrm	hypo	CHG	-0.4041
Gm18	46141462	46141723	Gmdrm	hypo	CHG	-0.5891
Gm18	46148725	46148757	Gmdrm	hypo	CHG	-0.5262
Gm18	46186624	46187021	Gmdrm	hypo	CHG	-0.1134
Gm18	46202925	46202977	Gmdrm	hypo	CHG	-0.484
Gm18	46206200	46206431	Gmdrm	hypo	CHG	-0.556
Gm18	46219832	46220185	Gmdrm	hypo	CHG	-0.1725
Gm18	46221064	46221195	Gmdrm	hypo	CHG	-0.4467
Gm18	46250967	46251890	Gmdrm	hypo	CHG	-0.2324
Gm18	46254895	46255134	Gmdrm	hypo	CHG	-0.4142
Gm18	46255240	46255496	Gmdrm	hypo	CHG	-0.4448
Gm18	46280778	46281036	Gmdrm	hypo	CHG	-0.3567
Gm18	46318825	46318924	Gmdrm	hypo	CHG	-0.6475
Gm18	46319063	46319442	Gmdrm	hypo	CHG	-0.3282
Gm18	46331911	46332008	Gmdrm	hypo	CHG	-0.552
Gm18	46346931	46347084	Gmdrm	hypo	CHG	-0.03
Gm18	46348946	46349058	Gmdrm	hypo	CHG	-0.3983
Gm18	46379550	46379715	Gmdrm	hypo	CHG	-0.2333
Gm18	46379885	46379924	Gmdrm	hypo	CHG	-0.309
Gm18	46391105	46391355	Gmdrm	hypo	CHG	-0.27
Gm18	46394150	46394480	Gmdrm	hypo	CHG	-0.6483
Gm18	46394753	46394908	Gmdrm	hypo	CHG	-0.7692
Gm18	46398017	46398172	Gmdrm	hypo	CHG	-0.7867
Gm18	46398279	46398427	Gmdrm	hypo	CHG	-0.8146
Gm18	46402280	46402371	Gmdrm	hypo	CHG	-0.1583
Gm18	46402524	46402622	Gmdrm	hypo	CHG	-0.65

Gm18	46402847	46403241	Gmdrm	hypo	CHG	-0.47
Gm18	46406690	46406846	Gmdrm	hypo	CHG	-0.1711
Gm18	46408143	46408335	Gmdrm	hypo	CHG	-0.3885
Gm18	46421484	46421679	Gmdrm	hypo	CHG	-0.2872
Gm18	46422011	46422328	Gmdrm	hypo	CHG	-0.8381
Gm18	46422563	46422659	Gmdrm	hypo	CHG	-0.0963
Gm18	46430052	46430351	Gmdrm	hypo	CHG	-0.7141
Gm18	46430894	46431049	Gmdrm	hypo	CHG	-0.4725
Gm18	46431233	46431623	Gmdrm	hypo	CHG	-0.235
Gm18	46432387	46432822	Gmdrm	hypo	CHG	-0.365
Gm18	46433042	46433210	Gmdrm	hypo	CHG	-0.4014
Gm18	46433417	46433568	Gmdrm	hypo	CHG	-0.348
Gm18	46466608	46466776	Gmdrm	hypo	CHG	-0.214
Gm18	46467635	46467685	Gmdrm	hypo	CHG	-0.1334
Gm18	46533525	46533827	Gmdrm	hypo	CHG	-0.4922
Gm18	46541666	46541765	Gmdrm	hypo	CHG	-0.3817
Gm18	46541977	46542218	Gmdrm	hypo	CHG	-0.035
Gm18	46543906	46544069	Gmdrm	hypo	CHG	-0.28
Gm18	46544178	46544221	Gmdrm	hypo	CHG	-0.358
Gm18	46556373	46556477	Gmdrm	hypo	CHG	-0.458
Gm18	46577697	46578381	Gmdrm	hypo	CHG	-0.1849
Gm18	46595279	46595319	Gmdrm	hypo	CHG	-0.34
Gm18	46619747	46619797	Gmdrm	hypo	CHG	-0.7838
Gm18	46702585	46702692	Gmdrm	hypo	CHG	-0.6263
Gm18	46714480	46714544	Gmdrm	hypo	CHG	-0.67
Gm18	46714783	46714901	Gmdrm	hypo	CHG	-0.768
Gm18	46717356	46717714	Gmdrm	hypo	CHG	-0.376
Gm18	46767268	46767380	Gmdrm	hypo	CHG	-0.525
Gm18	46767624	46767837	Gmdrm	hypo	CHG	-0.3111
Gm18	46776238	46776521	Gmdrm	hypo	CHG	-0.2913
Gm18	46793935	46793989	Gmdrm	hypo	CHG	-0.648
Gm18	46803560	46803750	Gmdrm	hypo	CHG	-0.435
Gm18	46805126	46805328	Gmdrm	hypo	CHG	-0.8306
Gm18	46805570	46805853	Gmdrm	hypo	CHG	-0.8126
Gm18	46818846	46819200	Gmdrm	hypo	CHG	-0.6545
Gm18	46819372	46819472	Gmdrm	hypo	CHG	-0.57
Gm18	46819582	46819748	Gmdrm	hypo	CHG	-0.549
Gm18	46822043	46822153	Gmdrm	hypo	CHG	-0.0683
Gm18	46824532	46824694	Gmdrm	hypo	CHG	-0.6245
Gm18	46824804	46824927	Gmdrm	hypo	CHG	-0.528
Gm18	46831986	46832349	Gmdrm	hypo	CHG	-0.8642
Gm18	46839520	46839705	Gmdrm	hypo	CHG	-0.9246
Gm18	46846444	46847248	Gmdrm	hypo	CHG	-0.2213
Gm18	46850358	46850843	Gmdrm	hypo	CHG	-0.3841
Gm18	46856201	46856294	Gmdrm	hypo	CHG	-0.394
Gm18	46874547	46874704	Gmdrm	hypo	CHG	-0.046

Gm18	46910010	46910893	Gmdrm	hypo	CHG	-0.1476
Gm18	46940058	46940124	Gmdrm	hypo	CHG	-0.5229
Gm18	46958806	46959200	Gmdrm	hypo	CHG	-0.4383
Gm18	46960326	46960359	Gmdrm	hypo	CHG	-0.8434
Gm18	46960474	46960971	Gmdrm	hypo	CHG	-0.5
Gm18	46968159	46968553	Gmdrm	hypo	CHG	-0.2045
Gm18	46984803	46985298	Gmdrm	hypo	CHG	-0.5131
Gm18	46994441	46994664	Gmdrm	hypo	CHG	-0.78
Gm18	46994778	46994850	Gmdrm	hypo	CHG	-0.5867
Gm18	46997232	46997648	Gmdrm	hypo	CHG	-0.7615
Gm18	47002114	47002384	Gmdrm	hypo	CHG	-0.0387
Gm18	47037902	47038032	Gmdrm	hypo	CHG	-0.432
Gm18	47061904	47062349	Gmdrm	hypo	CHG	-0.3494
Gm18	47101781	47101931	Gmdrm	hypo	CHG	-0.1627
Gm18	47122334	47122369	Gmdrm	hypo	CHG	-0.112
Gm18	47134120	47134221	Gmdrm	hypo	CHG	-0.33
Gm18	47134676	47134841	Gmdrm	hypo	CHG	-0.3243
Gm18	47135349	47135634	Gmdrm	hypo	CHG	-0.7464
Gm18	47148515	47148607	Gmdrm	hypo	CHG	-0.6186
Gm18	47156189	47156312	Gmdrm	hypo	CHG	-0.4516
Gm18	47156426	47156807	Gmdrm	hypo	CHG	-0.0336
Gm18	47233747	47233862	Gmdrm	hypo	CHG	-0.7316
Gm18	47234022	47234177	Gmdrm	hypo	CHG	-0.7533
Gm18	47238294	47238420	Gmdrm	hypo	CHG	-0.5529
Gm18	47244565	47244689	Gmdrm	hypo	CHG	-0.0383
Gm18	47245203	47245253	Gmdrm	hypo	CHG	-0.848
Gm18	47254085	47254381	Gmdrm	hypo	CHG	-0.2837
Gm18	47313809	47314012	Gmdrm	hypo	CHG	-0.4337
Gm18	47323890	47323960	Gmdrm	hypo	CHG	-0.6133
Gm18	47352864	47353378	Gmdrm	hypo	CHG	-0.138
Gm18	47378287	47378337	Gmdrm	hypo	CHG	-0.718
Gm18	47385348	47386277	Gmdrm	hypo	CHG	-0.3627
Gm18	47397674	47398246	Gmdrm	hypo	CHG	-0.0385
Gm18	47404359	47404871	Gmdrm	hypo	CHG	-0.1696
Gm18	47405838	47405913	Gmdrm	hypo	CHG	-0.235
Gm18	47406228	47406712	Gmdrm	hypo	CHG	-0.1173
Gm18	47451466	47451599	Gmdrm	hypo	CHG	-0.2683
Gm18	47454728	47454917	Gmdrm	hypo	CHG	-0.03
Gm18	47465429	47465590	Gmdrm	hypo	CHG	-0.852
Gm18	47470188	47470400	Gmdrm	hypo	CHG	-0.4173
Gm18	47485847	47486013	Gmdrm	hypo	CHG	-0.5642
Gm18	47486116	47486175	Gmdrm	hypo	CHG	-0.7892
Gm18	47547066	47547347	Gmdrm	hypo	CHG	-0.1054
Gm18	47547964	47548209	Gmdrm	hypo	CHG	-0.2161
Gm18	47615960	47616563	Gmdrm	hypo	CHG	-0.4059
Gm18	47627129	47627137	Gmdrm	hypo	CHG	-0.1367

Gm18	47654529	47654787	Gmdrm	hypo	CHG	-0.4766
Gm18	47664315	47664434	Gmdrm	hypo	CHG	-0.0564
Gm18	47682685	47682968	Gmdrm	hypo	CHG	-0.3722
Gm18	47686024	47686171	Gmdrm	hypo	CHG	-0.0575
Gm18	47686526	47686650	Gmdrm	hypo	CHG	-0.3972
Gm18	47689550	47689648	Gmdrm	hypo	CHG	-0.2772
Gm18	47689752	47689896	Gmdrm	hypo	CHG	-0.4
Gm18	47690008	47690209	Gmdrm	hypo	CHG	-0.3657
Gm18	47690368	47690556	Gmdrm	hypo	CHG	-0.27
Gm18	47691238	47691582	Gmdrm	hypo	CHG	-0.22
Gm18	47710719	47710766	Gmdrm	hypo	CHG	-0.096
Gm18	47725186	47725727	Gmdrm	hypo	CHG	-0.2996
Gm18	47743340	47743509	Gmdrm	hypo	CHG	-0.2253
Gm18	47744735	47744850	Gmdrm	hypo	CHG	-0.342
Gm18	47746947	47747124	Gmdrm	hypo	CHG	-0.2517
Gm18	47797848	47797983	Gmdrm	hypo	CHG	-0.6777
Gm18	47798102	47798182	Gmdrm	hypo	CHG	-0.5467
Gm18	47802040	47802432	Gmdrm	hypo	CHG	-0.2047
Gm18	47804885	47805050	Gmdrm	hypo	CHG	-0.1678
Gm18	47815518	47816038	Gmdrm	hypo	CHG	-0.2382
Gm18	47838844	47838976	Gmdrm	hypo	CHG	-0.181
Gm18	47854958	47855124	Gmdrm	hypo	CHG	-0.2786
Gm18	47855702	47855819	Gmdrm	hypo	CHG	-0.3109
Gm18	47855967	47856170	Gmdrm	hypo	CHG	-0.1309
Gm18	47879553	47879804	Gmdrm	hypo	CHG	-0.3567
Gm18	47883524	47883581	Gmdrm	hypo	CHG	-0.0917
Gm18	47888004	47888111	Gmdrm	hypo	CHG	-0.6067
Gm18	47892119	47892579	Gmdrm	hypo	CHG	-0.2745
Gm18	47894930	47895021	Gmdrm	hypo	CHG	-0.8033
Gm18	47905573	47905867	Gmdrm	hypo	CHG	-0.324
Gm18	47926628	47926774	Gmdrm	hypo	CHG	-0.6786
Gm18	47931515	47931602	Gmdrm	hypo	CHG	-0.49
Gm18	47931790	47931846	Gmdrm	hypo	CHG	-0.5422
Gm18	47935689	47936333	Gmdrm	hypo	CHG	-0.2057
Gm18	47939382	47939684	Gmdrm	hypo	CHG	-0.2566
Gm18	47984807	47984950	Gmdrm	hypo	CHG	-0.256
Gm18	47985117	47985403	Gmdrm	hypo	CHG	-0.3687
Gm18	47986656	47987092	Gmdrm	hypo	CHG	-0.4097
Gm18	48021310	48021588	Gmdrm	hypo	CHG	-0.3545
Gm18	48046679	48046931	Gmdrm	hypo	CHG	-0.4658
Gm18	48053422	48053533	Gmdrm	hypo	CHG	-0.04
Gm18	48088946	48089478	Gmdrm	hypo	CHG	-0.171
Gm18	48112935	48113127	Gmdrm	hypo	CHG	-0.3582
Gm18	48121100	48121346	Gmdrm	hypo	CHG	-0.4772
Gm18	48135044	48135073	Gmdrm	hypo	CHG	-0.23
Gm18	48151028	48151206	Gmdrm	hypo	CHG	-0.0672

Gm18	48153677	48153714	Gmdrm	hypo	CHG	-0.8163
Gm18	48154623	48155605	Gmdrm	hypo	CHG	-0.3945
Gm18	48176435	48176520	Gmdrm	hypo	CHG	-0.6288
Gm18	48186660	48186709	Gmdrm	hypo	CHG	-0.482
Gm18	48187800	48188016	Gmdrm	hypo	CHG	-0.7839
Gm18	48198310	48199219	Gmdrm	hypo	CHG	-0.1985
Gm18	48213591	48213948	Gmdrm	hypo	CHG	-0.04
Gm18	48218053	48218127	Gmdrm	hypo	CHG	-0.6158
Gm18	48228664	48228719	Gmdrm	hypo	CHG	-0.277
Gm18	48231452	48231714	Gmdrm	hypo	CHG	-0.5332
Gm18	48237675	48237842	Gmdrm	hypo	CHG	-0.4126
Gm18	48237991	48238254	Gmdrm	hypo	CHG	-0.2189
Gm18	48243032	48243113	Gmdrm	hypo	CHG	-0.6089
Gm18	48248942	48248996	Gmdrm	hypo	CHG	-0.603
Gm18	48261609	48261686	Gmdrm	hypo	CHG	-0.076
Gm18	48270709	48270916	Gmdrm	hypo	CHG	-0.2027
Gm18	48292591	48292978	Gmdrm	hypo	CHG	-0.3861
Gm18	48305828	48306131	Gmdrm	hypo	CHG	-0.6733
Gm18	48306798	48306892	Gmdrm	hypo	CHG	-0.72
Gm18	48332626	48332765	Gmdrm	hypo	CHG	-0.3857
Gm18	48337506	48337668	Gmdrm	hypo	CHG	-0.545
Gm18	48341889	48341930	Gmdrm	hypo	CHG	-0.62
Gm18	48342107	48342289	Gmdrm	hypo	CHG	-0.6167
Gm18	48349448	48349496	Gmdrm	hypo	CHG	-0.4133
Gm18	48350630	48350714	Gmdrm	hypo	CHG	-0.435
Gm18	48351699	48351843	Gmdrm	hypo	CHG	-0.4233
Gm18	48352325	48352458	Gmdrm	hypo	CHG	-0.22
Gm18	48352694	48352828	Gmdrm	hypo	CHG	-0.3864
Gm18	48371709	48372010	Gmdrm	hypo	CHG	-0.3426
Gm18	48384221	48384710	Gmdrm	hypo	CHG	-0.5649
Gm18	48384846	48384918	Gmdrm	hypo	CHG	-0.478
Gm18	48385559	48385754	Gmdrm	hypo	CHG	-0.3237
Gm18	48398245	48398336	Gmdrm	hypo	CHG	-0.5237
Gm18	48400514	48400882	Gmdrm	hypo	CHG	-0.5333
Gm18	48406946	48407022	Gmdrm	hypo	CHG	-0.045
Gm18	48409029	48409335	Gmdrm	hypo	CHG	-0.1379
Gm18	48410785	48411262	Gmdrm	hypo	CHG	-0.6375
Gm18	48411804	48411871	Gmdrm	hypo	CHG	-0.142
Gm18	48414031	48414450	Gmdrm	hypo	CHG	-0.3814
Gm18	48420535	48421379	Gmdrm	hypo	CHG	-0.1229
Gm18	48433617	48433837	Gmdrm	hypo	CHG	-0.2688
Gm18	48444405	48444556	Gmdrm	hypo	CHG	-0.7987
Gm18	48450076	48450133	Gmdrm	hypo	CHG	-0.704
Gm18	48453413	48453626	Gmdrm	hypo	CHG	-0.5225
Gm18	48455785	48455876	Gmdrm	hypo	CHG	-0.7978
Gm18	48462688	48462828	Gmdrm	hypo	CHG	-0.4127

Gm18	48463248	48463667	Gmdrm	hypo	CHG	-0.5675
Gm18	48477777	48477911	Gmdrm	hypo	CHG	-0.236
Gm18	48515115	48515474	Gmdrm	hypo	CHG	-0.6555
Gm18	48516313	48516634	Gmdrm	hypo	CHG	-0.4435
Gm18	48535077	48535140	Gmdrm	hypo	CHG	-0.73
Gm18	48538640	48538812	Gmdrm	hypo	CHG	-0.1237
Gm18	48564640	48564682	Gmdrm	hypo	CHG	-0.27
Gm18	48602135	48602310	Gmdrm	hypo	CHG	-0.04
Gm18	48610229	48610469	Gmdrm	hypo	CHG	-0.6667
Gm18	48610587	48610685	Gmdrm	hypo	CHG	-0.6125
Gm18	48625247	48625438	Gmdrm	hypo	CHG	-0.4363
Gm18	48625551	48625674	Gmdrm	hypo	CHG	-0.7664
Gm18	48626740	48626885	Gmdrm	hypo	CHG	-0.3925
Gm18	48627017	48627192	Gmdrm	hypo	CHG	-0.514
Gm18	48627690	48627778	Gmdrm	hypo	CHG	-0.3616
Gm18	48641535	48641926	Gmdrm	hypo	CHG	-0.75
Gm18	48642402	48642648	Gmdrm	hypo	CHG	-0.705
Gm18	48643917	48644075	Gmdrm	hypo	CHG	-0.0655
Gm18	48680679	48680826	Gmdrm	hypo	CHG	-0.5571
Gm18	48683696	48683849	Gmdrm	hypo	CHG	-0.8717
Gm18	48683953	48684077	Gmdrm	hypo	CHG	-0.8914
Gm18	48712500	48712668	Gmdrm	hypo	CHG	-0.3208
Gm18	48720035	48720377	Gmdrm	hypo	CHG	-0.8509
Gm18	48725490	48725635	Gmdrm	hypo	CHG	-0.0356
Gm18	48768261	48768574	Gmdrm	hypo	CHG	-0.1173
Gm18	48769461	48769708	Gmdrm	hypo	CHG	-0.3318
Gm18	48798318	48798490	Gmdrm	hypo	CHG	-0.85
Gm18	48798591	48799228	Gmdrm	hypo	CHG	-0.4881
Gm18	48807609	48807706	Gmdrm	hypo	CHG	-0.4687
Gm18	48808041	48808227	Gmdrm	hypo	CHG	-0.45
Gm18	48825347	48825614	Gmdrm	hypo	CHG	-0.3606
Gm18	48825805	48825898	Gmdrm	hypo	CHG	-0.78
Gm18	48847049	48847208	Gmdrm	hypo	CHG	-0.2114
Gm18	48847350	48847773	Gmdrm	hypo	CHG	-0.265
Gm18	48848248	48848272	Gmdrm	hypo	CHG	-0.268
Gm18	48850645	48850869	Gmdrm	hypo	CHG	-0.5994
Gm18	48851162	48851284	Gmdrm	hypo	CHG	-0.2667
Gm18	48853077	48853249	Gmdrm	hypo	CHG	-0.3491
Gm18	48856466	48856553	Gmdrm	hypo	CHG	-0.6134
Gm18	48878702	48879273	Gmdrm	hypo	CHG	-0.5171
Gm18	48902091	48902293	Gmdrm	hypo	CHG	-0.414
Gm18	48903882	48903978	Gmdrm	hypo	CHG	-0.4971
Gm18	48905955	48906056	Gmdrm	hypo	CHG	-0.0343
Gm18	48919450	48919628	Gmdrm	hypo	CHG	-0.54
Gm18	48925547	48925952	Gmdrm	hypo	CHG	-0.1819
Gm18	48926633	48926708	Gmdrm	hypo	CHG	-0.0714

Gm18	48927956	48928278	Gmdrm	hypo	CHG	-0.0322
Gm18	48959673	48959848	Gmdrm	hypo	CHG	-0.8178
Gm18	48970996	48971166	Gmdrm	hypo	CHG	-0.0656
Gm18	48973000	48973038	Gmdrm	hypo	CHG	-0.4666
Gm18	48974656	48974881	Gmdrm	hypo	CHG	-0.2338
Gm18	48985939	48986132	Gmdrm	hypo	CHG	-0.2283
Gm18	49019190	49019925	Gmdrm	hypo	CHG	-0.3862
Gm18	49024044	49024211	Gmdrm	hypo	CHG	-0.28
Gm18	49024432	49024577	Gmdrm	hypo	CHG	-0.2925
Gm18	49047342	49047411	Gmdrm	hypo	CHG	-0.624
Gm18	49057706	49057953	Gmdrm	hypo	CHG	-0.5242
Gm18	49058075	49058320	Gmdrm	hypo	CHG	-0.3754
Gm18	49079831	49080282	Gmdrm	hypo	CHG	-0.496
Gm18	49081164	49081524	Gmdrm	hypo	CHG	-0.6122
Gm18	49082155	49082246	Gmdrm	hypo	CHG	-0.04
Gm18	49083852	49084036	Gmdrm	hypo	CHG	-0.5172
Gm18	49086560	49086628	Gmdrm	hypo	CHG	-0.3033
Gm18	49086754	49086861	Gmdrm	hypo	CHG	-0.5357
Gm18	49087217	49087638	Gmdrm	hypo	CHG	-0.6782
Gm18	49087765	49087923	Gmdrm	hypo	CHG	-0.446
Gm18	49089364	49089454	Gmdrm	hypo	CHG	-0.3267
Gm18	49109139	49109321	Gmdrm	hypo	CHG	-0.0386
Gm18	49109438	49109520	Gmdrm	hypo	CHG	-0.39
Gm18	49122293	49122441	Gmdrm	hypo	CHG	-0.0372
Gm18	49139590	49140013	Gmdrm	hypo	CHG	-0.1006
Gm18	49153446	49153471	Gmdrm	hypo	CHG	-0.76
Gm18	49153760	49153898	Gmdrm	hypo	CHG	-0.299
Gm18	49169556	49169811	Gmdrm	hypo	CHG	-0.5066
Gm18	49181599	49181700	Gmdrm	hypo	CHG	-0.2681
Gm18	49182592	49182762	Gmdrm	hypo	CHG	-0.15
Gm18	49194020	49194601	Gmdrm	hypo	CHG	-0.7936
Gm18	49198460	49198720	Gmdrm	hypo	CHG	-0.4226
Gm18	49203786	49204325	Gmdrm	hypo	CHG	-0.2495
Gm18	49226691	49226864	Gmdrm	hypo	CHG	-0.51
Gm18	49226975	49227131	Gmdrm	hypo	CHG	-0.3972
Gm18	49239099	49239194	Gmdrm	hypo	CHG	-0.222
Gm18	49264708	49264841	Gmdrm	hypo	CHG	-0.7437
Gm18	49266615	49266696	Gmdrm	hypo	CHG	-0.8816
Gm18	49266827	49266993	Gmdrm	hypo	CHG	-0.8314
Gm18	49288848	49288870	Gmdrm	hypo	CHG	-0.5084
Gm18	49319730	49320543	Gmdrm	hypo	CHG	-0.1537
Gm18	49323823	49324694	Gmdrm	hypo	CHG	-0.2548
Gm18	49331789	49332163	Gmdrm	hypo	CHG	-0.334
Gm18	49332434	49332760	Gmdrm	hypo	CHG	-0.3175
Gm18	49334962	49335084	Gmdrm	hypo	CHG	-0.51
Gm18	49335205	49336170	Gmdrm	hypo	CHG	-0.2772

Gm18	49337108	49337441 Gmdrm	hypo	CHG	-0.2667
Gm18	49337972	49338111 Gmdrm	hypo	CHG	-0.6825
Gm18	49340889	49341028 Gmdrm	hypo	CHG	-0.2675
Gm18	49342069	49342876 Gmdrm	hypo	CHG	-0.4784
Gm18	49343203	49343258 Gmdrm	hypo	CHG	-0.52
Gm18	49368574	49368597 Gmdrm	hypo	CHG	-0.495
Gm18	49369170	49369286 Gmdrm	hypo	CHG	-0.345
Gm18	49370334	49371308 Gmdrm	hypo	CHG	-0.1406
Gm18	49371356	49372206 Gmdrm	hypo	CHG	-0.1371
Gm18	49374550	49374873 Gmdrm	hypo	CHG	-0.5618
Gm18	49377763	49377828 Gmdrm	hypo	CHG	-0.88
Gm18	49378567	49378631 Gmdrm	hypo	CHG	-0.8617
Gm18	49378825	49378910 Gmdrm	hypo	CHG	-0.032
Gm18	49382351	49382480 Gmdrm	hypo	CHG	-0.0214
Gm18	49408217	49408584 Gmdrm	hypo	CHG	-0.5561
Gm18	49408973	49409019 Gmdrm	hypo	CHG	-0.042
Gm18	49426928	49427450 Gmdrm	hypo	CHG	-0.3683
Gm18	49431453	49431777 Gmdrm	hypo	CHG	-0.3
Gm18	49455423	49456131 Gmdrm	hypo	CHG	-0.6303
Gm18	49456670	49456713 Gmdrm	hypo	CHG	-0.6283
Gm18	49457172	49457218 Gmdrm	hypo	CHG	-0.355
Gm18	49457859	49458529 Gmdrm	hypo	CHG	-0.3432
Gm18	49459050	49459845 Gmdrm	hypo	CHG	-0.2202
Gm18	49460029	49460267 Gmdrm	hypo	CHG	-0.2522
Gm18	49462635	49462980 Gmdrm	hypo	CHG	-0.2146
Gm18	49463821	49464189 Gmdrm	hypo	CHG	-0.2967
Gm18	49464468	49464711 Gmdrm	hypo	CHG	-0.4792
Gm18	49466952	49467070 Gmdrm	hypo	CHG	-0.0867
Gm18	49471899	49471984 Gmdrm	hypo	CHG	-0.1625
Gm18	49472122	49472191 Gmdrm	hypo	CHG	-0.6225
Gm18	49490483	49490901 Gmdrm	hypo	CHG	-0.3333
Gm18	49498463	49498641 Gmdrm	hypo	CHG	-0.2433
Gm18	49498745	49498817 Gmdrm	hypo	CHG	-0.202
Gm18	49544908	49545143 Gmdrm	hypo	CHG	-0.074
Gm18	49563972	49564435 Gmdrm	hypo	CHG	-0.3596
Gm18	49569653	49569681 Gmdrm	hypo	CHG	-0.59
Gm18	49577891	49578070 Gmdrm	hypo	CHG	-0.725
Gm18	49578684	49578961 Gmdrm	hypo	CHG	-0.714
Gm18	49579609	49579682 Gmdrm	hypo	CHG	-0.825
Gm18	49590720	49590817 Gmdrm	hypo	CHG	-0.845
Gm18	49604343	49604671 Gmdrm	hypo	CHG	-0.0255
Gm18	49606620	49606746 Gmdrm	hypo	CHG	-0.6357
Gm18	49606858	49606951 Gmdrm	hypo	CHG	-0.2755
Gm18	49607132	49607206 Gmdrm	hypo	CHG	-0.3257
Gm18	49615919	49616228 Gmdrm	hypo	CHG	-0.3222
Gm18	49616353	49616438 Gmdrm	hypo	CHG	-0.6312

Gm18	49616583	49616628 Gmdrm	hypo	CHG	-0.5533
Gm18	49616762	49616896 Gmdrm	hypo	CHG	-0.06
Gm18	49632256	49632500 Gmdrm	hypo	CHG	-0.4299
Gm18	49638882	49638965 Gmdrm	hypo	CHG	-0.4
Gm18	49644156	49644632 Gmdrm	hypo	CHG	-0.6037
Gm18	49644783	49644904 Gmdrm	hypo	CHG	-0.6283
Gm18	49653915	49653981 Gmdrm	hypo	CHG	-0.458
Gm18	49660973	49661179 Gmdrm	hypo	CHG	-0.04
Gm18	49675299	49675427 Gmdrm	hypo	CHG	-0.5542
Gm18	49686964	49687046 Gmdrm	hypo	CHG	-0.8542
Gm18	49777042	49777096 Gmdrm	hypo	CHG	-0.318
Gm18	49778960	49779036 Gmdrm	hypo	CHG	-0.5463
Gm18	49782303	49782456 Gmdrm	hypo	CHG	-0.5162
Gm18	49786549	49787398 Gmdrm	hypo	CHG	-0.5511
Gm18	49798555	49798608 Gmdrm	hypo	CHG	-0.4471
Gm18	49805920	49806003 Gmdrm	hypo	CHG	-0.8943
Gm18	49806663	49806777 Gmdrm	hypo	CHG	-0.54
Gm18	49811072	49811376 Gmdrm	hypo	CHG	-0.606
Gm18	49811495	49811622 Gmdrm	hypo	CHG	-0.044
Gm18	49817948	49818346 Gmdrm	hypo	CHG	-0.3987
Gm18	49834913	49835233 Gmdrm	hypo	CHG	-0.265
Gm18	49858573	49858771 Gmdrm	hypo	CHG	-0.3494
Gm18	49858924	49858946 Gmdrm	hypo	CHG	-0.042
Gm18	49889031	49889195 Gmdrm	hypo	CHG	-0.0314
Gm18	49891296	49891387 Gmdrm	hypo	CHG	-0.036
Gm18	49908174	49908328 Gmdrm	hypo	CHG	-0.4863
Gm18	49919798	49919874 Gmdrm	hypo	CHG	-0.3886
Gm18	49925554	49925916 Gmdrm	hypo	CHG	-0.1085
Gm18	49933183	49933414 Gmdrm	hypo	CHG	-0.07
Gm18	49935469	49935669 Gmdrm	hypo	CHG	-0.3442
Gm18	49935823	49936059 Gmdrm	hypo	CHG	-0.3576
Gm18	49960762	49960835 Gmdrm	hypo	CHG	-0.338
Gm18	49960954	49961162 Gmdrm	hypo	CHG	-0.5
Gm18	49964281	49964453 Gmdrm	hypo	CHG	-0.66
Gm18	49964568	49964661 Gmdrm	hypo	CHG	-0.8415
Gm18	49965011	49965085 Gmdrm	hypo	CHG	-0.6724
Gm18	49973685	49973843 Gmdrm	hypo	CHG	-0.8729
Gm18	49975497	49975688 Gmdrm	hypo	CHG	-0.0272
Gm18	49979845	49980822 Gmdrm	hypo	CHG	-0.2046
Gm18	49992046	49992120 Gmdrm	hypo	CHG	-0.6286
Gm18	49992223	49992665 Gmdrm	hypo	CHG	-0.3549
Gm18	49994746	49994895 Gmdrm	hypo	CHG	-0.505
Gm18	49995006	49995148 Gmdrm	hypo	CHG	-0.6784
Gm18	49995392	49995485 Gmdrm	hypo	CHG	-0.5
Gm18	50001305	50001385 Gmdrm	hypo	CHG	-0.5367
Gm18	50001525	50001711 Gmdrm	hypo	CHG	-0.066

Gm18	50027373	50027566	Gmdrm	hypo	CHG	-0.3467
Gm18	50032270	50032419	Gmdrm	hypo	CHG	-0.5884
Gm18	50032537	50032601	Gmdrm	hypo	CHG	-0.425
Gm18	50032711	50032790	Gmdrm	hypo	CHG	-0.3687
Gm18	50034896	50035083	Gmdrm	hypo	CHG	-0.59
Gm18	50046661	50047652	Gmdrm	hypo	CHG	-0.1756
Gm18	50051491	50051669	Gmdrm	hypo	CHG	-0.624
Gm18	50056382	50056602	Gmdrm	hypo	CHG	-0.0288
Gm18	50068377	50068607	Gmdrm	hypo	CHG	-0.3585
Gm18	50069451	50069693	Gmdrm	hypo	CHG	-0.4113
Gm18	50069856	50070096	Gmdrm	hypo	CHG	-0.3435
Gm18	50071086	50071354	Gmdrm	hypo	CHG	-0.266
Gm18	50075218	50075441	Gmdrm	hypo	CHG	-0.7172
Gm18	50076884	50077183	Gmdrm	hypo	CHG	-0.5546
Gm18	50096746	50096926	Gmdrm	hypo	CHG	-0.1282
Gm18	50097690	50097749	Gmdrm	hypo	CHG	-0.4543
Gm18	50097876	50098187	Gmdrm	hypo	CHG	-0.7032
Gm18	50102315	50102408	Gmdrm	hypo	CHG	-0.2541
Gm18	50102840	50102969	Gmdrm	hypo	CHG	-0.088
Gm18	50105298	50105421	Gmdrm	hypo	CHG	-0.6425
Gm18	50105629	50106048	Gmdrm	hypo	CHG	-0.8328
Gm18	50106378	50106484	Gmdrm	hypo	CHG	-0.5084
Gm18	50107519	50107650	Gmdrm	hypo	CHG	-0.865
Gm18	50121497	50121675	Gmdrm	hypo	CHG	-0.39
Gm18	50127743	50128469	Gmdrm	hypo	CHG	-0.4548
Gm18	50134250	50134415	Gmdrm	hypo	CHG	-0.0355
Gm18	50152443	50152734	Gmdrm	hypo	CHG	-0.1378
Gm18	50154686	50154758	Gmdrm	hypo	CHG	-0.5812
Gm18	50155341	50155568	Gmdrm	hypo	CHG	-0.3343
Gm18	50161944	50162162	Gmdrm	hypo	CHG	-0.4928
Gm18	50162876	50163105	Gmdrm	hypo	CHG	-0.5767
Gm18	50163680	50163858	Gmdrm	hypo	CHG	-0.3758
Gm18	50164508	50164546	Gmdrm	hypo	CHG	-0.414
Gm18	50164704	50164886	Gmdrm	hypo	CHG	-0.56
Gm18	50181945	50181964	Gmdrm	hypo	CHG	-0.325
Gm18	50185911	50186220	Gmdrm	hypo	CHG	-0.2786
Gm18	50186547	50186677	Gmdrm	hypo	CHG	-0.7733
Gm18	50194817	50195015	Gmdrm	hypo	CHG	-0.6991
Gm18	50195452	50195556	Gmdrm	hypo	CHG	-0.57
Gm18	50195766	50195813	Gmdrm	hypo	CHG	-0.665
Gm18	50196696	50196727	Gmdrm	hypo	CHG	-0.634
Gm18	50220735	50221372	Gmdrm	hypo	CHG	-0.274
Gm18	50222395	50222445	Gmdrm	hypo	CHG	-0.07
Gm18	50232790	50233164	Gmdrm	hypo	CHG	-0.2993
Gm18	50240329	50240398	Gmdrm	hypo	CHG	-0.704
Gm18	50240701	50240928	Gmdrm	hypo	CHG	-0.5616

Gm18	50241669	50241814	Gmdrm	hypo	CHG	-0.4117
Gm18	50243466	50243512	Gmdrm	hypo	CHG	-0.6266
Gm18	50243789	50243917	Gmdrm	hypo	CHG	-0.6319
Gm18	50264280	50264488	Gmdrm	hypo	CHG	-0.595
Gm18	50269126	50269746	Gmdrm	hypo	CHG	-0.6157
Gm18	50275511	50275695	Gmdrm	hypo	CHG	-0.4812
Gm18	50276544	50276566	Gmdrm	hypo	CHG	-0.8867
Gm18	50286288	50286370	Gmdrm	hypo	CHG	-0.37
Gm18	50289232	50289295	Gmdrm	hypo	CHG	-0.696
Gm18	50296271	50296650	Gmdrm	hypo	CHG	-0.4129
Gm18	50297493	50297651	Gmdrm	hypo	CHG	-0.458
Gm18	50297758	50297927	Gmdrm	hypo	CHG	-0.699
Gm18	50311397	50311481	Gmdrm	hypo	CHG	-0.626
Gm18	50318310	50318594	Gmdrm	hypo	CHG	-0.6976
Gm18	50318844	50318991	Gmdrm	hypo	CHG	-0.5836
Gm18	50328022	50328140	Gmdrm	hypo	CHG	-0.1442
Gm18	50337515	50337785	Gmdrm	hypo	CHG	-0.5873
Gm18	50339577	50339755	Gmdrm	hypo	CHG	-0.6729
Gm18	50341653	50341705	Gmdrm	hypo	CHG	-0.875
Gm18	50341823	50341886	Gmdrm	hypo	CHG	-0.77
Gm18	50342152	50342204	Gmdrm	hypo	CHG	-0.8317
Gm18	50358319	50358445	Gmdrm	hypo	CHG	-0.03
Gm18	50361740	50361763	Gmdrm	hypo	CHG	-0.4617
Gm18	50363603	50363945	Gmdrm	hypo	CHG	-0.6081
Gm18	50367203	50367233	Gmdrm	hypo	CHG	-0.796
Gm18	50381384	50382064	Gmdrm	hypo	CHG	-0.1785
Gm18	50391766	50392023	Gmdrm	hypo	CHG	-0.414
Gm18	50392561	50392661	Gmdrm	hypo	CHG	-0.7988
Gm18	50405121	50405191	Gmdrm	hypo	CHG	-0.664
Gm18	50412135	50412418	Gmdrm	hypo	CHG	-0.3979
Gm18	50412609	50412697	Gmdrm	hypo	CHG	-0.7233
Gm18	50412834	50412947	Gmdrm	hypo	CHG	-0.53
Gm18	50416652	50416721	Gmdrm	hypo	CHG	-0.4967
Gm18	50465268	50465416	Gmdrm	hypo	CHG	-0.368
Gm18	50466189	50466216	Gmdrm	hypo	CHG	-0.8614
Gm18	50466344	50466582	Gmdrm	hypo	CHG	-0.3746
Gm18	50469771	50469970	Gmdrm	hypo	CHG	-0.3173
Gm18	50475269	50475337	Gmdrm	hypo	CHG	-0.146
Gm18	50488817	50488934	Gmdrm	hypo	CHG	-0.08
Gm18	50497526	50497726	Gmdrm	hypo	CHG	-0.0483
Gm18	50507763	50507865	Gmdrm	hypo	CHG	-0.5537
Gm18	50518331	50518409	Gmdrm	hypo	CHG	-0.7083
Gm18	50518531	50518765	Gmdrm	hypo	CHG	-0.665
Gm18	50520565	50520715	Gmdrm	hypo	CHG	-0.5967
Gm18	50527465	50527600	Gmdrm	hypo	CHG	-0.105
Gm18	50538159	50538338	Gmdrm	hypo	CHG	-0.654

Gm18	50538599	50538792	Gmdrm	hypo	CHG	-0.6455
Gm18	50538913	50539060	Gmdrm	hypo	CHG	-0.055
Gm18	50592409	50592836	Gmdrm	hypo	CHG	-0.1037
Gm18	50597703	50597893	Gmdrm	hypo	CHG	-0.026
Gm18	50650857	50650983	Gmdrm	hypo	CHG	-0.3228
Gm18	50684745	50684891	Gmdrm	hypo	CHG	-0.5814
Gm18	50687163	50687253	Gmdrm	hypo	CHG	-0.2833
Gm18	50721726	50721838	Gmdrm	hypo	CHG	-0.2711
Gm18	50752130	50752243	Gmdrm	hypo	CHG	-0.4617
Gm18	50752402	50752525	Gmdrm	hypo	CHG	-0.798
Gm18	50769576	50769729	Gmdrm	hypo	CHG	-0.034
Gm18	50783198	50783550	Gmdrm	hypo	CHG	-0.2793
Gm18	50785994	50786435	Gmdrm	hypo	CHG	-0.5225
Gm18	50789780	50790103	Gmdrm	hypo	CHG	-0.045
Gm18	50824884	50825293	Gmdrm	hypo	CHG	-0.4847
Gm18	50830843	50831189	Gmdrm	hypo	CHG	-0.6405
Gm18	50841397	50841625	Gmdrm	hypo	CHG	-0.4406
Gm18	50844200	50844397	Gmdrm	hypo	CHG	-0.3718
Gm18	50846617	50846778	Gmdrm	hypo	CHG	-0.8378
Gm18	50859320	50859613	Gmdrm	hypo	CHG	-0.1456
Gm18	50867159	50867387	Gmdrm	hypo	CHG	-0.8383
Gm18	50867506	50867666	Gmdrm	hypo	CHG	-0.15
Gm18	50889447	50889510	Gmdrm	hypo	CHG	-0.05
Gm18	50902980	50903315	Gmdrm	hypo	CHG	-0.0387
Gm18	50907768	50907928	Gmdrm	hypo	CHG	-0.7244
Gm18	50918549	50918631	Gmdrm	hypo	CHG	-0.17
Gm18	50918753	50918793	Gmdrm	hypo	CHG	-0.666
Gm18	50918917	50918968	Gmdrm	hypo	CHG	-0.8617
Gm18	50921358	50921405	Gmdrm	hypo	CHG	-0.788
Gm18	50921862	50922245	Gmdrm	hypo	CHG	-0.7843
Gm18	50922442	50922698	Gmdrm	hypo	CHG	-0.7045
Gm18	50922847	50923006	Gmdrm	hypo	CHG	-0.5596
Gm18	50923640	50923840	Gmdrm	hypo	CHG	-0.5094
Gm18	50925300	50925607	Gmdrm	hypo	CHG	-0.4641
Gm18	50925860	50926047	Gmdrm	hypo	CHG	-0.3
Gm18	50928687	50928851	Gmdrm	hypo	CHG	-0.032
Gm18	50965093	50965285	Gmdrm	hypo	CHG	-0.05
Gm18	50976622	50976791	Gmdrm	hypo	CHG	-0.165
Gm18	50977562	50977738	Gmdrm	hypo	CHG	-0.2951
Gm18	50977954	50978193	Gmdrm	hypo	CHG	-0.06
Gm18	50981960	50982082	Gmdrm	hypo	CHG	-0.7743
Gm18	50982829	50983070	Gmdrm	hypo	CHG	-0.9076
Gm18	50983696	50983857	Gmdrm	hypo	CHG	-0.6264
Gm18	50984123	50984213	Gmdrm	hypo	CHG	-0.506
Gm18	50984314	50984538	Gmdrm	hypo	CHG	-0.71
Gm18	50985930	50986079	Gmdrm	hypo	CHG	-0.67

Gm18	50986477	50986589	Gmdrm	hypo	CHG	-0.7329
Gm18	50989111	50989178	Gmdrm	hypo	CHG	-0.9545
Gm18	50989282	50989305	Gmdrm	hypo	CHG	-0.95
Gm18	50998941	50999333	Gmdrm	hypo	CHG	-0.0413
Gm18	51008312	51008473	Gmdrm	hypo	CHG	-0.5867
Gm18	51009138	51009187	Gmdrm	hypo	CHG	-0.5143
Gm18	51021255	51021446	Gmdrm	hypo	CHG	-0.4652
Gm18	51023541	51023849	Gmdrm	hypo	CHG	-0.6271
Gm18	51026069	51026412	Gmdrm	hypo	CHG	-0.1885
Gm18	51027800	51028144	Gmdrm	hypo	CHG	-0.2576
Gm18	51028606	51028620	Gmdrm	hypo	CHG	-0.74
Gm18	51029599	51029996	Gmdrm	hypo	CHG	-0.4147
Gm18	51031240	51031911	Gmdrm	hypo	CHG	-0.1907
Gm18	51040910	51040964	Gmdrm	hypo	CHG	-0.03
Gm18	51059767	51059916	Gmdrm	hypo	CHG	-0.43
Gm18	51062832	51063156	Gmdrm	hypo	CHG	-0.4825
Gm18	51076334	51076390	Gmdrm	hypo	CHG	-0.598
Gm18	51093270	51093346	Gmdrm	hypo	CHG	-0.636
Gm18	51095722	51095867	Gmdrm	hypo	CHG	-0.633
Gm18	51096119	51096211	Gmdrm	hypo	CHG	-0.4075
Gm18	51106615	51106694	Gmdrm	hypo	CHG	-0.315
Gm18	51112379	51112458	Gmdrm	hypo	CHG	-0.0413
Gm18	51112598	51112884	Gmdrm	hypo	CHG	-0.6073
Gm18	51114699	51114850	Gmdrm	hypo	CHG	-0.8084
Gm18	51122126	51122339	Gmdrm	hypo	CHG	-0.21
Gm18	51129159	51129221	Gmdrm	hypo	CHG	-0.716
Gm18	51129732	51130204	Gmdrm	hypo	CHG	-0.6852
Gm18	51133536	51133764	Gmdrm	hypo	CHG	-0.1014
Gm18	51134000	51134110	Gmdrm	hypo	CHG	-0.842
Gm18	51135437	51135497	Gmdrm	hypo	CHG	-0.8528
Gm18	51135623	51135725	Gmdrm	hypo	CHG	-0.1867
Gm18	51141195	51141527	Gmdrm	hypo	CHG	-0.035
Gm18	51160155	51160226	Gmdrm	hypo	CHG	-0.912
Gm18	51160391	51160636	Gmdrm	hypo	CHG	-0.7544
Gm18	51161471	51162050	Gmdrm	hypo	CHG	-0.573
Gm18	51197166	51197280	Gmdrm	hypo	CHG	-0.0417
Gm18	51201582	51201715	Gmdrm	hypo	CHG	-0.4167
Gm18	51202676	51202947	Gmdrm	hypo	CHG	-0.5363
Gm18	51222726	51222861	Gmdrm	hypo	CHG	-0.0267
Gm18	51238536	51238627	Gmdrm	hypo	CHG	-0.4083
Gm18	51242304	51242826	Gmdrm	hypo	CHG	-0.6265
Gm18	51243418	51243548	Gmdrm	hypo	CHG	-0.3367
Gm18	51243693	51243808	Gmdrm	hypo	CHG	-0.59
Gm18	51248878	51249065	Gmdrm	hypo	CHG	-0.7775
Gm18	51249310	51249483	Gmdrm	hypo	CHG	-0.6757
Gm18	51258643	51258826	Gmdrm	hypo	CHG	-0.5708

Gm18	51262454	51262547	Gmdrm	hypo	CHG	-0.508
Gm18	51266635	51266732	Gmdrm	hypo	CHG	-0.116
Gm18	51268179	51268327	Gmdrm	hypo	CHG	-0.5
Gm18	51274223	51274796	Gmdrm	hypo	CHG	-0.5197
Gm18	51277357	51277638	Gmdrm	hypo	CHG	-0.4106
Gm18	51277752	51278044	Gmdrm	hypo	CHG	-0.6837
Gm18	51282087	51282156	Gmdrm	hypo	CHG	-0.3523
Gm18	51286787	51286928	Gmdrm	hypo	CHG	-0.0457
Gm18	51292722	51292884	Gmdrm	hypo	CHG	-0.28
Gm18	51299977	51300563	Gmdrm	hypo	CHG	-0.1838
Gm18	51300724	51300795	Gmdrm	hypo	CHG	-0.2467
Gm18	51300906	51301408	Gmdrm	hypo	CHG	-0.2113
Gm18	51301524	51302221	Gmdrm	hypo	CHG	-0.1957
Gm18	51308262	51308480	Gmdrm	hypo	CHG	-0.1
Gm18	51312386	51313260	Gmdrm	hypo	CHG	-0.2147
Gm18	51313629	51314599	Gmdrm	hypo	CHG	-0.1721
Gm18	51314862	51315127	Gmdrm	hypo	CHG	-0.1457
Gm18	51325321	51326252	Gmdrm	hypo	CHG	-0.1951
Gm18	51326785	51326937	Gmdrm	hypo	CHG	-0.0817
Gm18	51327227	51327313	Gmdrm	hypo	CHG	-0.074
Gm18	51337690	51338061	Gmdrm	hypo	CHG	-0.1616
Gm18	51349673	51349792	Gmdrm	hypo	CHG	-0.5375
Gm18	51356837	51357226	Gmdrm	hypo	CHG	-0.4293
Gm18	51364242	51364462	Gmdrm	hypo	CHG	-0.2209
Gm18	51365386	51365695	Gmdrm	hypo	CHG	-0.4237
Gm18	51414694	51415024	Gmdrm	hypo	CHG	-0.5707
Gm18	51423269	51423418	Gmdrm	hypo	CHG	-0.108
Gm18	51423892	51424082	Gmdrm	hypo	CHG	-0.524
Gm18	51424572	51424692	Gmdrm	hypo	CHG	-0.2183
Gm18	51442219	51442696	Gmdrm	hypo	CHG	-0.042
Gm18	51452798	51452896	Gmdrm	hypo	CHG	-0.7129
Gm18	51453604	51454416	Gmdrm	hypo	CHG	-0.1608
Gm18	51454599	51454747	Gmdrm	hypo	CHG	-0.5611
Gm18	51472226	51472379	Gmdrm	hypo	CHG	-0.0643
Gm18	51474700	51474886	Gmdrm	hypo	CHG	-0.152
Gm18	51485851	51486123	Gmdrm	hypo	CHG	-0.3181
Gm18	51490547	51490641	Gmdrm	hypo	CHG	-0.842
Gm18	51502692	51502878	Gmdrm	hypo	CHG	-0.0472
Gm18	51503423	51503555	Gmdrm	hypo	CHG	-0.668
Gm18	51506572	51506925	Gmdrm	hypo	CHG	-0.0971
Gm18	51507060	51507330	Gmdrm	hypo	CHG	-0.9213
Gm18	51513312	51513419	Gmdrm	hypo	CHG	-0.7633
Gm18	51521049	51521504	Gmdrm	hypo	CHG	-0.2962
Gm18	51529322	51529474	Gmdrm	hypo	CHG	-0.1729
Gm18	51540642	51540883	Gmdrm	hypo	CHG	-0.2646
Gm18	51540989	51541531	Gmdrm	hypo	CHG	-0.0217

Gm18	51548702	51548803	Gmdrm	hypo	CHG	-0.78
Gm18	51550722	51551216	Gmdrm	hypo	CHG	-0.0613
Gm18	51551328	51551483	Gmdrm	hypo	CHG	-0.4143
Gm18	51558260	51558448	Gmdrm	hypo	CHG	-0.601
Gm18	51587207	51587666	Gmdrm	hypo	CHG	-0.6457
Gm18	51592063	51592331	Gmdrm	hypo	CHG	-0.353
Gm18	51594040	51594111	Gmdrm	hypo	CHG	-0.562
Gm18	51603068	51603492	Gmdrm	hypo	CHG	-0.2308
Gm18	51606757	51607683	Gmdrm	hypo	CHG	-0.2218
Gm18	51619664	51620330	Gmdrm	hypo	CHG	-0.281
Gm18	51623694	51624326	Gmdrm	hypo	CHG	-0.3923
Gm18	51633789	51633881	Gmdrm	hypo	CHG	-0.838
Gm18	51655163	51655335	Gmdrm	hypo	CHG	-0.028
Gm18	51663950	51664592	Gmdrm	hypo	CHG	-0.1222
Gm18	51693396	51693705	Gmdrm	hypo	CHG	-0.7709
Gm18	51715915	51716056	Gmdrm	hypo	CHG	-0.3063
Gm18	51720910	51721161	Gmdrm	hypo	CHG	-0.2538
Gm18	51727319	51727456	Gmdrm	hypo	CHG	-0.054
Gm18	51731213	51731726	Gmdrm	hypo	CHG	-0.5197
Gm18	51735788	51736054	Gmdrm	hypo	CHG	-0.3705
Gm18	51736260	51736348	Gmdrm	hypo	CHG	-0.5292
Gm18	51747604	51747865	Gmdrm	hypo	CHG	-0.5863
Gm18	51774387	51774606	Gmdrm	hypo	CHG	-0.2892
Gm18	51789852	51789931	Gmdrm	hypo	CHG	-0.2035
Gm18	51822926	51823039	Gmdrm	hypo	CHG	-0.304
Gm18	51823519	51823636	Gmdrm	hypo	CHG	-0.1387
Gm18	51854727	51854849	Gmdrm	hypo	CHG	-0.4587
Gm18	51915416	51915457	Gmdrm	hypo	CHG	-0.6466
Gm18	51929820	51929973	Gmdrm	hypo	CHG	-0.3271
Gm18	51943624	51943764	Gmdrm	hypo	CHG	-0.5516
Gm18	51944042	51944285	Gmdrm	hypo	CHG	-0.66
Gm18	51964762	51965019	Gmdrm	hypo	CHG	-0.605
Gm18	51969597	51969769	Gmdrm	hypo	CHG	-0.0486
Gm18	51982268	51982397	Gmdrm	hypo	CHG	-0.0416
Gm18	51987570	51987658	Gmdrm	hypo	CHG	-0.5967
Gm18	51993441	51993526	Gmdrm	hypo	CHG	-0.4612
Gm18	51996675	51996747	Gmdrm	hypo	CHG	-0.5
Gm18	52039522	52039692	Gmdrm	hypo	CHG	-0.425
Gm18	52040490	52040825	Gmdrm	hypo	CHG	-0.0938
Gm18	52040962	52041170	Gmdrm	hypo	CHG	-0.0475
Gm18	52064352	52064563	Gmdrm	hypo	CHG	-0.0434
Gm18	52070650	52070777	Gmdrm	hypo	CHG	-0.3975
Gm18	52070900	52071248	Gmdrm	hypo	CHG	-0.5248
Gm18	52071703	52071800	Gmdrm	hypo	CHG	-0.404
Gm18	52072136	52072272	Gmdrm	hypo	CHG	-0.4563
Gm18	52072486	52072803	Gmdrm	hypo	CHG	-0.4895

Gm18	52077165	52077301	Gmdrm	hypo	CHG	-0.4883
Gm18	52100187	52100336	Gmdrm	hypo	CHG	-0.042
Gm18	52102505	52102711	Gmdrm	hypo	CHG	-0.04
Gm18	52113821	52113912	Gmdrm	hypo	CHG	-0.8867
Gm18	52122971	52123092	Gmdrm	hypo	CHG	-0.0472
Gm18	52125029	52125136	Gmdrm	hypo	CHG	-0.52
Gm18	52158047	52158109	Gmdrm	hypo	CHG	-0.8171
Gm18	52163425	52163669	Gmdrm	hypo	CHG	-0.3177
Gm18	52195695	52196398	Gmdrm	hypo	CHG	-0.2792
Gm18	52206460	52206702	Gmdrm	hypo	CHG	-0.7249
Gm18	52213767	52213975	Gmdrm	hypo	CHG	-0.58
Gm18	52222517	52222670	Gmdrm	hypo	CHG	-0.0217
Gm18	52250171	52251113	Gmdrm	hypo	CHG	-0.3821
Gm18	52274444	52274607	Gmdrm	hypo	CHG	-0.7122
Gm18	52274744	52274875	Gmdrm	hypo	CHG	-0.7251
Gm18	52279934	52280302	Gmdrm	hypo	CHG	-0.4661
Gm18	52286584	52287584	Gmdrm	hypo	CHG	-0.2161
Gm18	52290330	52290691	Gmdrm	hypo	CHG	-0.505
Gm18	52297960	52298131	Gmdrm	hypo	CHG	-0.3429
Gm18	52303086	52303401	Gmdrm	hypo	CHG	-0.701
Gm18	52304595	52304904	Gmdrm	hypo	CHG	-0.5823
Gm18	52311336	52311382	Gmdrm	hypo	CHG	-0.606
Gm18	52314309	52314509	Gmdrm	hypo	CHG	-0.61
Gm18	52316756	52316921	Gmdrm	hypo	CHG	-0.4163
Gm18	52327312	52327335	Gmdrm	hypo	CHG	-0.482
Gm18	52338336	52338415	Gmdrm	hypo	CHG	-0.525
Gm18	52349438	52349651	Gmdrm	hypo	CHG	-0.2892
Gm18	52349773	52350095	Gmdrm	hypo	CHG	-0.0608
Gm18	52352253	52352372	Gmdrm	hypo	CHG	-0.06
Gm18	52354906	52355456	Gmdrm	hypo	CHG	-0.377
Gm18	52375500	52375926	Gmdrm	hypo	CHG	-0.2064
Gm18	52381811	52381906	Gmdrm	hypo	CHG	-0.39
Gm18	52394775	52394840	Gmdrm	hypo	CHG	-0.4316
Gm18	52399003	52399131	Gmdrm	hypo	CHG	-0.4975
Gm18	52399341	52399576	Gmdrm	hypo	CHG	-0.7729
Gm18	52400775	52400904	Gmdrm	hypo	CHG	-0.4367
Gm18	52402675	52402808	Gmdrm	hypo	CHG	-0.048
Gm18	52409643	52409824	Gmdrm	hypo	CHG	-0.433
Gm18	52430618	52430828	Gmdrm	hypo	CHG	-0.814
Gm18	52431199	52431212	Gmdrm	hypo	CHG	-0.47
Gm18	52432153	52432319	Gmdrm	hypo	CHG	-0.8775
Gm18	52444320	52444361	Gmdrm	hypo	CHG	-0.08
Gm18	52450469	52450604	Gmdrm	hypo	CHG	-0.8975
Gm18	52451853	52452180	Gmdrm	hypo	CHG	-0.6395
Gm18	52461609	52461812	Gmdrm	hypo	CHG	-0.5589
Gm18	52462093	52462117	Gmdrm	hypo	CHG	-0.6617

Gm18	52462773	52462878	Gmdrm	hypo	CHG	-0.5867
Gm18	52469229	52469326	Gmdrm	hypo	CHG	-0.044
Gm18	52469705	52469970	Gmdrm	hypo	CHG	-0.2504
Gm18	52470183	52470322	Gmdrm	hypo	CHG	-0.77
Gm18	52484489	52484556	Gmdrm	hypo	CHG	-0.37
Gm18	52484818	52485090	Gmdrm	hypo	CHG	-0.2354
Gm18	52489482	52489736	Gmdrm	hypo	CHG	-0.0383
Gm18	52490157	52490223	Gmdrm	hypo	CHG	-0.5917
Gm18	52507303	52507888	Gmdrm	hypo	CHG	-0.03
Gm18	52508449	52508685	Gmdrm	hypo	CHG	-0.035
Gm18	52516135	52516281	Gmdrm	hypo	CHG	-0.58
Gm18	52516601	52516766	Gmdrm	hypo	CHG	-0.6383
Gm18	52517106	52517207	Gmdrm	hypo	CHG	-0.494
Gm18	52522766	52523105	Gmdrm	hypo	CHG	-0.0533
Gm18	52525492	52526095	Gmdrm	hypo	CHG	-0.0335
Gm18	52526385	52526852	Gmdrm	hypo	CHG	-0.8746
Gm18	52527144	52527408	Gmdrm	hypo	CHG	-0.598
Gm18	52527936	52528261	Gmdrm	hypo	CHG	-0.8343
Gm18	52530662	52530756	Gmdrm	hypo	CHG	-0.052
Gm18	52559650	52559701	Gmdrm	hypo	CHG	-0.2729
Gm18	52560997	52561592	Gmdrm	hypo	CHG	-0.2815
Gm18	52566853	52567066	Gmdrm	hypo	CHG	-0.0225
Gm18	52570437	52570735	Gmdrm	hypo	CHG	-0.6254
Gm18	52572005	52572326	Gmdrm	hypo	CHG	-0.2295
Gm18	52584071	52584320	Gmdrm	hypo	CHG	-0.0758
Gm18	52595093	52595488	Gmdrm	hypo	CHG	-0.0384
Gm18	52600196	52600406	Gmdrm	hypo	CHG	-0.7044
Gm18	52602742	52602884	Gmdrm	hypo	CHG	-0.7262
Gm18	52605464	52605563	Gmdrm	hypo	CHG	-0.2387
Gm18	52607177	52607376	Gmdrm	hypo	CHG	-0.415
Gm18	52608539	52608704	Gmdrm	hypo	CHG	-0.075
Gm18	52610149	52610252	Gmdrm	hypo	CHG	-0.821
Gm18	52610364	52610521	Gmdrm	hypo	CHG	-0.669
Gm18	52612304	52612334	Gmdrm	hypo	CHG	-0.2766
Gm18	52615889	52616090	Gmdrm	hypo	CHG	-0.068
Gm18	52628346	52628423	Gmdrm	hypo	CHG	-0.768
Gm18	52629001	52629071	Gmdrm	hypo	CHG	-0.2886
Gm18	52638759	52639022	Gmdrm	hypo	CHG	-0.9016
Gm18	52639706	52639790	Gmdrm	hypo	CHG	-0.4912
Gm18	52640387	52640669	Gmdrm	hypo	CHG	-0.6855
Gm18	52641000	52641045	Gmdrm	hypo	CHG	-0.2071
Gm18	52646687	52646950	Gmdrm	hypo	CHG	-0.4122
Gm18	52666675	52667177	Gmdrm	hypo	CHG	-0.2511
Gm18	52674960	52675009	Gmdrm	hypo	CHG	-0.0833
Gm18	52677091	52677148	Gmdrm	hypo	CHG	-0.154
Gm18	52677713	52677762	Gmdrm	hypo	CHG	-0.476

Gm18	52691360	52691414	Gmdrm	hypo	CHG	-0.218
Gm18	52694739	52694993	Gmdrm	hypo	CHG	-0.255
Gm18	52702821	52702950	Gmdrm	hypo	CHG	-0.588
Gm18	52713037	52713135	Gmdrm	hypo	CHG	-0.7117
Gm18	52722225	52722307	Gmdrm	hypo	CHG	-0.45
Gm18	52746938	52747103	Gmdrm	hypo	CHG	-0.4054
Gm18	52748614	52748753	Gmdrm	hypo	CHG	-0.5114
Gm18	52749199	52749351	Gmdrm	hypo	CHG	-0.1237
Gm18	52755488	52755662	Gmdrm	hypo	CHG	-0.15
Gm18	52755867	52756609	Gmdrm	hypo	CHG	-0.1559
Gm18	52758378	52758402	Gmdrm	hypo	CHG	-0.528
Gm18	52763470	52763522	Gmdrm	hypo	CHG	-0.584
Gm18	52770714	52770871	Gmdrm	hypo	CHG	-0.172
Gm18	52773803	52773939	Gmdrm	hypo	CHG	-0.6484
Gm18	52774167	52774520	Gmdrm	hypo	CHG	-0.4327
Gm18	52780416	52780888	Gmdrm	hypo	CHG	-0.4882
Gm18	52797568	52797901	Gmdrm	hypo	CHG	-0.4991
Gm18	52801450	52801803	Gmdrm	hypo	CHG	-0.0456
Gm18	52826834	52827048	Gmdrm	hypo	CHG	-0.2922
Gm18	52878087	52878165	Gmdrm	hypo	CHG	-0.686
Gm18	52878274	52878305	Gmdrm	hypo	CHG	-0.502
Gm18	52880381	52880582	Gmdrm	hypo	CHG	-0.8392
Gm18	52883222	52883575	Gmdrm	hypo	CHG	-0.04
Gm18	52888928	52888966	Gmdrm	hypo	CHG	-0.048
Gm18	52894298	52894499	Gmdrm	hypo	CHG	-0.7125
Gm18	52895224	52895291	Gmdrm	hypo	CHG	-0.396
Gm18	52905234	52905352	Gmdrm	hypo	CHG	-0.67
Gm18	52921150	52921208	Gmdrm	hypo	CHG	-0.345
Gm18	52925093	52925411	Gmdrm	hypo	CHG	-0.5729
Gm18	52925515	52926154	Gmdrm	hypo	CHG	-0.6245
Gm18	52926438	52926659	Gmdrm	hypo	CHG	-0.062
Gm18	52936765	52936928	Gmdrm	hypo	CHG	-0.2475
Gm18	52937398	52937554	Gmdrm	hypo	CHG	-0.0467
Gm18	52946019	52946316	Gmdrm	hypo	CHG	-0.5134
Gm18	52962995	52963040	Gmdrm	hypo	CHG	-0.68
Gm18	52969338	52969627	Gmdrm	hypo	CHG	-0.7664
Gm18	52981452	52981670	Gmdrm	hypo	CHG	-0.1555
Gm18	52983453	52983646	Gmdrm	hypo	CHG	-0.2124
Gm18	52986892	52987296	Gmdrm	hypo	CHG	-0.5763
Gm18	52987406	52987703	Gmdrm	hypo	CHG	-0.0366
Gm18	52994145	52994443	Gmdrm	hypo	CHG	-0.5346
Gm18	53027091	53027131	Gmdrm	hypo	CHG	-0.6217
Gm18	53028014	53028155	Gmdrm	hypo	CHG	-0.2772
Gm18	53028340	53028582	Gmdrm	hypo	CHG	-0.5108
Gm18	53047779	53047934	Gmdrm	hypo	CHG	-0.21
Gm18	53085822	53085988	Gmdrm	hypo	CHG	-0.064

Gm18	53110060	53110283	Gmdrm	hypo	CHG	-0.7214
Gm18	53110495	53110572	Gmdrm	hypo	CHG	-0.6886
Gm18	53121786	53121836	Gmdrm	hypo	CHG	-0.345
Gm18	53122073	53122347	Gmdrm	hypo	CHG	-0.52
Gm18	53122470	53122605	Gmdrm	hypo	CHG	-0.3073
Gm18	53145688	53145863	Gmdrm	hypo	CHG	-0.2571
Gm18	53146687	53147027	Gmdrm	hypo	CHG	-0.4963
Gm18	53166323	53166454	Gmdrm	hypo	CHG	-0.7483
Gm18	53166959	53167215	Gmdrm	hypo	CHG	-0.0609
Gm18	53172116	53172421	Gmdrm	hypo	CHG	-0.0445
Gm18	53177694	53177780	Gmdrm	hypo	CHG	-0.7686
Gm18	53177929	53178136	Gmdrm	hypo	CHG	-0.7109
Gm18	53199081	53199308	Gmdrm	hypo	CHG	-0.0343
Gm18	53203582	53203657	Gmdrm	hypo	CHG	-0.072
Gm18	53211715	53211912	Gmdrm	hypo	CHG	-0.074
Gm18	53238232	53238542	Gmdrm	hypo	CHG	-0.4355
Gm18	53298136	53298330	Gmdrm	hypo	CHG	-0.5344
Gm18	53298471	53298723	Gmdrm	hypo	CHG	-0.833
Gm18	53313453	53313557	Gmdrm	hypo	CHG	-0.6788
Gm18	53315959	53316093	Gmdrm	hypo	CHG	-0.3614
Gm18	53316846	53316937	Gmdrm	hypo	CHG	-0.482
Gm18	53317887	53318469	Gmdrm	hypo	CHG	-0.4673
Gm18	53334248	53334365	Gmdrm	hypo	CHG	-0.2782
Gm18	53342959	53343064	Gmdrm	hypo	CHG	-0.42
Gm18	53362524	53362975	Gmdrm	hypo	CHG	-0.0256
Gm18	53376696	53376828	Gmdrm	hypo	CHG	-0.06
Gm18	53401333	53401566	Gmdrm	hypo	CHG	-0.363
Gm18	53458222	53458300	Gmdrm	hypo	CHG	-0.4634
Gm18	53458611	53458718	Gmdrm	hypo	CHG	-0.2216
Gm18	53462250	53462357	Gmdrm	hypo	CHG	-0.0733
Gm18	53468354	53468676	Gmdrm	hypo	CHG	-0.1555
Gm18	53481234	53481339	Gmdrm	hypo	CHG	-0.798
Gm18	53481811	53482035	Gmdrm	hypo	CHG	-0.6211
Gm18	53482144	53482295	Gmdrm	hypo	CHG	-0.654
Gm18	53482466	53482598	Gmdrm	hypo	CHG	-0.407
Gm18	53488493	53488726	Gmdrm	hypo	CHG	-0.045
Gm18	53493652	53493975	Gmdrm	hypo	CHG	-0.5567
Gm18	53527802	53528184	Gmdrm	hypo	CHG	-0.0526
Gm18	53553830	53554173	Gmdrm	hypo	CHG	-0.1075
Gm18	53556559	53556710	Gmdrm	hypo	CHG	-0.764
Gm18	53556833	53556982	Gmdrm	hypo	CHG	-0.923
Gm18	53557140	53557310	Gmdrm	hypo	CHG	-0.7057
Gm18	53567395	53567446	Gmdrm	hypo	CHG	-0.238
Gm18	53573600	53573845	Gmdrm	hypo	CHG	-0.0272
Gm18	53578623	53578969	Gmdrm	hypo	CHG	-0.0523
Gm18	53581340	53581904	Gmdrm	hypo	CHG	-0.6404

Gm18	53589496	53589943	Gmdrm	hypo	CHG	-0.4452
Gm18	53593923	53594732	Gmdrm	hypo	CHG	-0.4791
Gm18	53606437	53606523	Gmdrm	hypo	CHG	-0.5457
Gm18	53606927	53607713	Gmdrm	hypo	CHG	-0.2051
Gm18	53622361	53622515	Gmdrm	hypo	CHG	-0.5023
Gm18	53637904	53638018	Gmdrm	hypo	CHG	-0.038
Gm18	53639624	53639782	Gmdrm	hypo	CHG	-0.0367
Gm18	53660686	53661396	Gmdrm	hypo	CHG	-0.2321
Gm18	53672701	53673154	Gmdrm	hypo	CHG	-0.2242
Gm18	53673498	53673871	Gmdrm	hypo	CHG	-0.87
Gm18	53679055	53679237	Gmdrm	hypo	CHG	-0.5133
Gm18	53685357	53685571	Gmdrm	hypo	CHG	-0.046
Gm18	53700441	53700603	Gmdrm	hypo	CHG	-0.035
Gm18	53712837	53712902	Gmdrm	hypo	CHG	-0.1909
Gm18	53718084	53718139	Gmdrm	hypo	CHG	-0.8633
Gm18	53718406	53718470	Gmdrm	hypo	CHG	-0.5967
Gm18	53725118	53725189	Gmdrm	hypo	CHG	-0.8967
Gm18	53756151	53756431	Gmdrm	hypo	CHG	-0.9633
Gm18	53760740	53761164	Gmdrm	hypo	CHG	-0.2867
Gm18	53761359	53761708	Gmdrm	hypo	CHG	-0.6729
Gm18	53763524	53763767	Gmdrm	hypo	CHG	-0.6234
Gm18	53764020	53764182	Gmdrm	hypo	CHG	-0.6952
Gm18	53780211	53780418	Gmdrm	hypo	CHG	-0.054
Gm18	53818775	53818915	Gmdrm	hypo	CHG	-0.7675
Gm18	53826083	53826365	Gmdrm	hypo	CHG	-0.7878
Gm18	53826804	53827035	Gmdrm	hypo	CHG	-0.7717
Gm18	53827184	53827393	Gmdrm	hypo	CHG	-0.7433
Gm18	53827636	53828017	Gmdrm	hypo	CHG	-0.4907
Gm18	53828722	53828828	Gmdrm	hypo	CHG	-0.671
Gm18	53842025	53842082	Gmdrm	hypo	CHG	-0.35
Gm18	53842230	53842506	Gmdrm	hypo	CHG	-0.3819
Gm18	53842984	53843315	Gmdrm	hypo	CHG	-0.4054
Gm18	53846196	53846356	Gmdrm	hypo	CHG	-0.385
Gm18	53846583	53847030	Gmdrm	hypo	CHG	-0.57
Gm18	53850403	53850999	Gmdrm	hypo	CHG	-0.2719
Gm18	53865035	53865074	Gmdrm	hypo	CHG	-0.1367
Gm18	53865228	53865290	Gmdrm	hypo	CHG	-0.572
Gm18	53865583	53866058	Gmdrm	hypo	CHG	-0.723
Gm18	53882765	53882895	Gmdrm	hypo	CHG	-0.066
Gm18	53896343	53896393	Gmdrm	hypo	CHG	-0.5914
Gm18	53898730	53898855	Gmdrm	hypo	CHG	-0.032
Gm18	53900449	53901054	Gmdrm	hypo	CHG	-0.368
Gm18	53909378	53910003	Gmdrm	hypo	CHG	-0.6627
Gm18	53910118	53910556	Gmdrm	hypo	CHG	-0.7778
Gm18	53910717	53910748	Gmdrm	hypo	CHG	-0.462
Gm18	53911871	53912054	Gmdrm	hypo	CHG	-0.034

Gm18	53912719	53912934	Gmdrm	hypo	CHG	-0.4711
Gm18	53921287	53921576	Gmdrm	hypo	CHG	-0.2791
Gm18	53921853	53922157	Gmdrm	hypo	CHG	-0.3015
Gm18	53929820	53929908	Gmdrm	hypo	CHG	-0.306
Gm18	53948315	53948876	Gmdrm	hypo	CHG	-0.8105
Gm18	53948983	53949139	Gmdrm	hypo	CHG	-0.819
Gm18	53956556	53956826	Gmdrm	hypo	CHG	-0.06
Gm18	53960648	53961466	Gmdrm	hypo	CHG	-0.3204
Gm18	53967026	53967061	Gmdrm	hypo	CHG	-0.3062
Gm18	53967173	53967563	Gmdrm	hypo	CHG	-0.5609
Gm18	53974182	53974298	Gmdrm	hypo	CHG	-0.0978
Gm18	53974720	53975244	Gmdrm	hypo	CHG	-0.2522
Gm18	53976409	53976568	Gmdrm	hypo	CHG	-0.0375
Gm18	53977677	53977721	Gmdrm	hypo	CHG	-0.276
Gm18	54007601	54008247	Gmdrm	hypo	CHG	-0.6479
Gm18	54008349	54008564	Gmdrm	hypo	CHG	-0.8315
Gm18	54018570	54018707	Gmdrm	hypo	CHG	-0.0467
Gm18	54058947	54059461	Gmdrm	hypo	CHG	-0.5617
Gm18	54072522	54072757	Gmdrm	hypo	CHG	-0.1
Gm18	54073495	54073643	Gmdrm	hypo	CHG	-0.35
Gm18	54074380	54074574	Gmdrm	hypo	CHG	-0.577
Gm18	54123899	54124177	Gmdrm	hypo	CHG	-0.04
Gm18	54132874	54132958	Gmdrm	hypo	CHG	-0.8375
Gm18	54137230	54137436	Gmdrm	hypo	CHG	-0.058
Gm18	54143426	54143645	Gmdrm	hypo	CHG	-0.8172
Gm18	54148933	54149029	Gmdrm	hypo	CHG	-0.6
Gm18	54159347	54159459	Gmdrm	hypo	CHG	-0.0643
Gm18	54165682	54165965	Gmdrm	hypo	CHG	-0.0465
Gm18	54177295	54177616	Gmdrm	hypo	CHG	-0.2894
Gm18	54182927	54183056	Gmdrm	hypo	CHG	-0.5967
Gm18	54198860	54199077	Gmdrm	hypo	CHG	-0.07
Gm18	54223073	54223177	Gmdrm	hypo	CHG	-0.328
Gm18	54257146	54257290	Gmdrm	hypo	CHG	-0.078
Gm18	54266487	54266700	Gmdrm	hypo	CHG	-0.5167
Gm18	54268562	54268757	Gmdrm	hypo	CHG	-0.7442
Gm18	54268871	54269015	Gmdrm	hypo	CHG	-0.7126
Gm18	54271643	54271833	Gmdrm	hypo	CHG	-0.1133
Gm18	54299342	54299423	Gmdrm	hypo	CHG	-0.2383
Gm18	54305364	54305406	Gmdrm	hypo	CHG	-0.2367
Gm18	54309000	54309258	Gmdrm	hypo	CHG	-0.0314
Gm18	54315946	54316235	Gmdrm	hypo	CHG	-0.488
Gm18	54343909	54344186	Gmdrm	hypo	CHG	-0.0843
Gm18	54348898	54349115	Gmdrm	hypo	CHG	-0.5637
Gm18	54349237	54350114	Gmdrm	hypo	CHG	-0.5616
Gm18	54361922	54362009	Gmdrm	hypo	CHG	-0.4883
Gm18	54362167	54362347	Gmdrm	hypo	CHG	-0.6734

Gm18	54362478	54362821	Gmdrm	hypo	CHG	-0.6293
Gm18	54372170	54372220	Gmdrm	hypo	CHG	-0.7557
Gm18	54375548	54375801	Gmdrm	hypo	CHG	-0.2566
Gm18	54375940	54376089	Gmdrm	hypo	CHG	-0.3972
Gm18	54376228	54376449	Gmdrm	hypo	CHG	-0.3755
Gm18	54377963	54378232	Gmdrm	hypo	CHG	-0.0545
Gm18	54387943	54388107	Gmdrm	hypo	CHG	-0.445
Gm18	54429616	54429959	Gmdrm	hypo	CHG	-0.026
Gm18	54453120	54453176	Gmdrm	hypo	CHG	-0.792
Gm18	54453295	54453474	Gmdrm	hypo	CHG	-0.4377
Gm18	54459663	54459754	Gmdrm	hypo	CHG	-0.545
Gm18	54471852	54472112	Gmdrm	hypo	CHG	-0.263
Gm18	54490835	54490909	Gmdrm	hypo	CHG	-0.3984
Gm18	54496296	54496608	Gmdrm	hypo	CHG	-0.0391
Gm18	54504323	54504590	Gmdrm	hypo	CHG	-0.1473
Gm18	54515191	54515369	Gmdrm	hypo	CHG	-0.4025
Gm18	54516701	54516897	Gmdrm	hypo	CHG	-0.1317
Gm18	54539927	54540171	Gmdrm	hypo	CHG	-0.4511
Gm18	54540291	54540515	Gmdrm	hypo	CHG	-0.0571
Gm18	54541203	54541743	Gmdrm	hypo	CHG	-0.3142
Gm18	54557176	54557394	Gmdrm	hypo	CHG	-0.1017
Gm18	54574932	54574990	Gmdrm	hypo	CHG	-0.4717
Gm18	54580240	54580327	Gmdrm	hypo	CHG	-0.1467
Gm18	54603106	54603364	Gmdrm	hypo	CHG	-0.5128
Gm18	54618322	54618364	Gmdrm	hypo	CHG	-0.038
Gm18	54632368	54632421	Gmdrm	hypo	CHG	-0.29
Gm18	54658570	54658789	Gmdrm	hypo	CHG	-0.2044
Gm18	54676376	54676677	Gmdrm	hypo	CHG	-0.0571
Gm18	54710780	54711250	Gmdrm	hypo	CHG	-0.6406
Gm18	54720465	54720681	Gmdrm	hypo	CHG	-0.0237
Gm18	54733151	54733314	Gmdrm	hypo	CHG	-0.04
Gm18	54744615	54744822	Gmdrm	hypo	CHG	-0.2075
Gm18	54747710	54747832	Gmdrm	hypo	CHG	-0.4967
Gm18	54748055	54748247	Gmdrm	hypo	CHG	-0.5975
Gm18	54755755	54755932	Gmdrm	hypo	CHG	-0.0367
Gm18	54756106	54756352	Gmdrm	hypo	CHG	-0.0758
Gm18	54799288	54799392	Gmdrm	hypo	CHG	-0.6017
Gm18	54800154	54800616	Gmdrm	hypo	CHG	-0.274
Gm18	54801081	54801355	Gmdrm	hypo	CHG	-0.385
Gm18	54801609	54801732	Gmdrm	hypo	CHG	-0.6077
Gm18	54803679	54803816	Gmdrm	hypo	CHG	-0.6
Gm18	54813876	54813998	Gmdrm	hypo	CHG	-0.5749
Gm18	54814194	54814767	Gmdrm	hypo	CHG	-0.2323
Gm18	54817109	54817469	Gmdrm	hypo	CHG	-0.3319
Gm18	54833349	54833577	Gmdrm	hypo	CHG	-0.4384
Gm18	54833684	54833744	Gmdrm	hypo	CHG	-0.882

Gm18	54842429	54842705	Gmdrm	hypo	CHG	-0.49
Gm18	54842848	54843240	Gmdrm	hypo	CHG	-0.6825
Gm18	54851714	54851874	Gmdrm	hypo	CHG	-0.075
Gm18	54854461	54854688	Gmdrm	hypo	CHG	-0.0643
Gm18	54856988	54857131	Gmdrm	hypo	CHG	-0.0725
Gm18	54872214	54872288	Gmdrm	hypo	CHG	-0.036
Gm18	54876647	54876913	Gmdrm	hypo	CHG	-0.82
Gm18	54877283	54877330	Gmdrm	hypo	CHG	-0.7283
Gm18	54881337	54881464	Gmdrm	hypo	CHG	-0.8433
Gm18	54908423	54908497	Gmdrm	hypo	CHG	-0.4617
Gm18	54908609	54908665	Gmdrm	hypo	CHG	-0.885
Gm18	54908925	54909059	Gmdrm	hypo	CHG	-0.8236
Gm18	54924651	54924727	Gmdrm	hypo	CHG	-0.5083
Gm18	54924828	54925050	Gmdrm	hypo	CHG	-0.572
Gm18	54960419	54960659	Gmdrm	hypo	CHG	-0.8381
Gm18	54975614	54975712	Gmdrm	hypo	CHG	-0.8133
Gm18	54975929	54975971	Gmdrm	hypo	CHG	-0.8474
Gm18	54987630	54987732	Gmdrm	hypo	CHG	-0.026
Gm18	54993878	54994026	Gmdrm	hypo	CHG	-0.3945
Gm18	54994764	54994928	Gmdrm	hypo	CHG	-0.346
Gm18	54995857	54996241	Gmdrm	hypo	CHG	-0.562
Gm18	55004632	55004686	Gmdrm	hypo	CHG	-0.9016
Gm18	55004875	55005054	Gmdrm	hypo	CHG	-0.615
Gm18	55044630	55044776	Gmdrm	hypo	CHG	-0.0533
Gm18	55048972	55049030	Gmdrm	hypo	CHG	-0.5034
Gm18	55049244	55049375	Gmdrm	hypo	CHG	-0.444
Gm18	55060182	55060293	Gmdrm	hypo	CHG	-0.076
Gm18	55068825	55068994	Gmdrm	hypo	CHG	-0.9512
Gm18	55100846	55101438	Gmdrm	hypo	CHG	-0.0944
Gm18	55106031	55106128	Gmdrm	hypo	CHG	-0.32
Gm18	55121106	55121194	Gmdrm	hypo	CHG	-0.7533
Gm18	55126518	55127109	Gmdrm	hypo	CHG	-0.0513
Gm18	55175671	55176117	Gmdrm	hypo	CHG	-0.2426
Gm18	55181721	55181797	Gmdrm	hypo	CHG	-0.53
Gm18	55201045	55201344	Gmdrm	hypo	CHG	-0.5813
Gm18	55201727	55202052	Gmdrm	hypo	CHG	-0.256
Gm18	55206919	55207118	Gmdrm	hypo	CHG	-0.051
Gm18	55207706	55207840	Gmdrm	hypo	CHG	-0.803
Gm18	55223344	55223587	Gmdrm	hypo	CHG	-0.9017
Gm18	55224144	55224207	Gmdrm	hypo	CHG	-0.8267
Gm18	55245411	55245490	Gmdrm	hypo	CHG	-0.2513
Gm18	55251909	55252025	Gmdrm	hypo	CHG	-0.04
Gm18	55253130	55253296	Gmdrm	hypo	CHG	-0.0771
Gm18	55257195	55257269	Gmdrm	hypo	CHG	-0.394
Gm18	55308417	55308531	Gmdrm	hypo	CHG	-0.4043
Gm18	55309058	55309546	Gmdrm	hypo	CHG	-0.65

Gm18	55320883	55321042	Gmdrm	hypo	CHG	-0.0512
Gm18	55332744	55333046	Gmdrm	hypo	CHG	-0.0923
Gm18	55333224	55333770	Gmdrm	hypo	CHG	-0.5788
Gm18	55344641	55344809	Gmdrm	hypo	CHG	-0.3713
Gm18	55362276	55362802	Gmdrm	hypo	CHG	-0.613
Gm18	55397623	55398152	Gmdrm	hypo	CHG	-0.78
Gm18	55400444	55400756	Gmdrm	hypo	CHG	-0.3319
Gm18	55401451	55401544	Gmdrm	hypo	CHG	-0.038
Gm18	55417316	55417421	Gmdrm	hypo	CHG	-0.665
Gm18	55419714	55419775	Gmdrm	hypo	CHG	-0.482
Gm18	55432303	55432779	Gmdrm	hypo	CHG	-0.6418
Gm18	55432913	55433202	Gmdrm	hypo	CHG	-0.865
Gm18	55448986	55449395	Gmdrm	hypo	CHG	-0.103
Gm18	55467735	55467932	Gmdrm	hypo	CHG	-0.0267
Gm18	55470613	55470687	Gmdrm	hypo	CHG	-0.45
Gm18	55470877	55470895	Gmdrm	hypo	CHG	-0.77
Gm18	55477754	55478043	Gmdrm	hypo	CHG	-0.8566
Gm18	55487820	55488020	Gmdrm	hypo	CHG	-0.0725
Gm18	55488496	55488919	Gmdrm	hypo	CHG	-0.8932
Gm18	55489057	55489113	Gmdrm	hypo	CHG	-0.05
Gm18	55505898	55506105	Gmdrm	hypo	CHG	-0.74
Gm18	55508399	55508495	Gmdrm	hypo	CHG	-0.7037
Gm18	55508744	55509211	Gmdrm	hypo	CHG	-0.5205
Gm18	55511907	55512237	Gmdrm	hypo	CHG	-0.4127
Gm18	55518058	55518364	Gmdrm	hypo	CHG	-0.535
Gm18	55520562	55520643	Gmdrm	hypo	CHG	-0.07
Gm18	55526670	55526745	Gmdrm	hypo	CHG	-0.5017
Gm18	55526854	55526948	Gmdrm	hypo	CHG	-0.89
Gm18	55527080	55527349	Gmdrm	hypo	CHG	-0.4062
Gm18	55531137	55531343	Gmdrm	hypo	CHG	-0.0669
Gm18	55542486	55542618	Gmdrm	hypo	CHG	-0.566
Gm18	55551061	55551182	Gmdrm	hypo	CHG	-0.764
Gm18	55560461	55560652	Gmdrm	hypo	CHG	-0.45
Gm18	55560934	55561068	Gmdrm	hypo	CHG	-0.3937
Gm18	55586714	55586883	Gmdrm	hypo	CHG	-0.3962
Gm18	55587176	55587437	Gmdrm	hypo	CHG	-0.1664
Gm18	55597073	55597570	Gmdrm	hypo	CHG	-0.2439
Gm18	55600868	55601063	Gmdrm	hypo	CHG	-0.7776
Gm18	55606100	55606206	Gmdrm	hypo	CHG	-0.772
Gm18	55606340	55606702	Gmdrm	hypo	CHG	-0.1273
Gm18	55665301	55665602	Gmdrm	hypo	CHG	-0.3027
Gm18	55670699	55670847	Gmdrm	hypo	CHG	-0.7583
Gm18	55673069	55673119	Gmdrm	hypo	CHG	-0.268
Gm18	55675281	55675772	Gmdrm	hypo	CHG	-0.4047
Gm18	55681614	55681830	Gmdrm	hypo	CHG	-0.7335
Gm18	55682029	55682252	Gmdrm	hypo	CHG	-0.5521

Gm18	55692496	55692824	Gmdrm	hypo	CHG	-0.3059
Gm18	55710575	55710839	Gmdrm	hypo	CHG	-0.4
Gm18	55711715	55712025	Gmdrm	hypo	CHG	-0.1836
Gm18	55720460	55721186	Gmdrm	hypo	CHG	-0.1085
Gm18	55724934	55725103	Gmdrm	hypo	CHG	-0.6472
Gm18	55725207	55725267	Gmdrm	hypo	CHG	-0.398
Gm18	55726734	55726861	Gmdrm	hypo	CHG	-0.7022
Gm18	55728306	55728668	Gmdrm	hypo	CHG	-0.4911
Gm18	55739296	55739499	Gmdrm	hypo	CHG	-0.1862
Gm18	55740278	55740346	Gmdrm	hypo	CHG	-0.412
Gm18	55752393	55752595	Gmdrm	hypo	CHG	-0.039
Gm18	55763827	55764003	Gmdrm	hypo	CHG	-0.0411
Gm18	55764239	55764472	Gmdrm	hypo	CHG	-0.0512
Gm18	55768764	55768888	Gmdrm	hypo	CHG	-0.8722
Gm18	55783811	55784037	Gmdrm	hypo	CHG	-0.046
Gm18	55785071	55785208	Gmdrm	hypo	CHG	-0.03
Gm18	55787312	55787600	Gmdrm	hypo	CHG	-0.048
Gm18	55797746	55798197	Gmdrm	hypo	CHG	-0.3282
Gm18	55831896	55832289	Gmdrm	hypo	CHG	-0.7673
Gm18	55833871	55833945	Gmdrm	hypo	CHG	-0.8733
Gm18	55834406	55834506	Gmdrm	hypo	CHG	-0.8863
Gm18	55840809	55840962	Gmdrm	hypo	CHG	-0.1611
Gm18	55864972	55865257	Gmdrm	hypo	CHG	-0.4823
Gm18	55888573	55888738	Gmdrm	hypo	CHG	-0.052
Gm18	55942649	55942755	Gmdrm	hypo	CHG	-0.8483
Gm18	55942949	55943117	Gmdrm	hypo	CHG	-0.8936
Gm18	55947452	55947576	Gmdrm	hypo	CHG	-0.04
Gm18	55953127	55953234	Gmdrm	hypo	CHG	-0.08
Gm18	55966286	55966517	Gmdrm	hypo	CHG	-0.469
Gm18	55982218	55982324	Gmdrm	hypo	CHG	-0.638
Gm18	55983551	55983672	Gmdrm	hypo	CHG	-0.064
Gm18	55998871	55999095	Gmdrm	hypo	CHG	-0.2904
Gm18	56018103	56018337	Gmdrm	hypo	CHG	-0.05
Gm18	56033341	56033849	Gmdrm	hypo	CHG	-0.743
Gm18	56065046	56065261	Gmdrm	hypo	CHG	-0.1229
Gm18	56088306	56088506	Gmdrm	hypo	CHG	-0.843
Gm18	56102792	56103140	Gmdrm	hypo	CHG	-0.7726
Gm18	56120409	56120620	Gmdrm	hypo	CHG	-0.058
Gm18	56145536	56145670	Gmdrm	hypo	CHG	-0.0771
Gm18	56149678	56149788	Gmdrm	hypo	CHG	-0.7433
Gm18	56150663	56150841	Gmdrm	hypo	CHG	-0.0433
Gm18	56192752	56192935	Gmdrm	hypo	CHG	-0.0275
Gm18	56207508	56207624	Gmdrm	hypo	CHG	-0.4445
Gm18	56217416	56217484	Gmdrm	hypo	CHG	-0.77
Gm18	56224859	56225221	Gmdrm	hypo	CHG	-0.36
Gm18	56253801	56254011	Gmdrm	hypo	CHG	-0.0612

Gm18	56267628	56267796	Gmdrm	hypo	CHG	-0.7064
Gm18	56324432	56324587	Gmdrm	hypo	CHG	-0.7634
Gm18	56324904	56325093	Gmdrm	hypo	CHG	-0.7757
Gm18	56325408	56325483	Gmdrm	hypo	CHG	-0.78
Gm18	56329290	56329759	Gmdrm	hypo	CHG	-0.1894
Gm18	56340397	56341086	Gmdrm	hypo	CHG	-0.5566
Gm18	56341196	56341332	Gmdrm	hypo	CHG	-0.37
Gm18	56341640	56342150	Gmdrm	hypo	CHG	-0.2897
Gm18	56368741	56368817	Gmdrm	hypo	CHG	-0.4283
Gm18	56384213	56384585	Gmdrm	hypo	CHG	-0.0243
Gm18	56387367	56387444	Gmdrm	hypo	CHG	-0.2983
Gm18	56413005	56413172	Gmdrm	hypo	CHG	-0.046
Gm18	56435246	56435269	Gmdrm	hypo	CHG	-0.04
Gm18	56446813	56447322	Gmdrm	hypo	CHG	-0.6329
Gm18	56447424	56447683	Gmdrm	hypo	CHG	-0.8176
Gm18	56447965	56447999	Gmdrm	hypo	CHG	-0.9333
Gm18	56463733	56463984	Gmdrm	hypo	CHG	-0.026
Gm18	56515574	56515787	Gmdrm	hypo	CHG	-0.7892
Gm18	56516555	56516592	Gmdrm	hypo	CHG	-0.5667
Gm18	56534637	56534810	Gmdrm	hypo	CHG	-0.8479
Gm18	56596553	56596882	Gmdrm	hypo	CHG	-0.0627
Gm18	56616807	56616924	Gmdrm	hypo	CHG	-0.4088
Gm18	56630768	56630893	Gmdrm	hypo	CHG	-0.306
Gm18	56631208	56631381	Gmdrm	hypo	CHG	-0.3137
Gm18	56645483	56645639	Gmdrm	hypo	CHG	-0.5433
Gm18	56656425	56656740	Gmdrm	hypo	CHG	-0.1317
Gm18	56704668	56704790	Gmdrm	hypo	CHG	-0.4657
Gm18	56730916	56730971	Gmdrm	hypo	CHG	-0.056
Gm18	56757079	56757191	Gmdrm	hypo	CHG	-0.0467
Gm18	56769249	56769413	Gmdrm	hypo	CHG	-0.045
Gm18	56780842	56780934	Gmdrm	hypo	CHG	-0.46
Gm18	56801086	56801401	Gmdrm	hypo	CHG	-0.4127
Gm18	56807943	56808215	Gmdrm	hypo	CHG	-0.026
Gm18	56830936	56831427	Gmdrm	hypo	CHG	-0.4045
Gm18	56839056	56839099	Gmdrm	hypo	CHG	-0.672
Gm18	56840166	56840275	Gmdrm	hypo	CHG	-0.3983
Gm18	56843339	56843444	Gmdrm	hypo	CHG	-0.082
Gm18	56849432	56849500	Gmdrm	hypo	CHG	-0.042
Gm18	56879755	56880325	Gmdrm	hypo	CHG	-0.7636
Gm18	56891755	56891906	Gmdrm	hypo	CHG	-0.1855
Gm18	56903644	56903861	Gmdrm	hypo	CHG	-0.0467
Gm18	56920541	56920614	Gmdrm	hypo	CHG	-0.316
Gm18	56935611	56935791	Gmdrm	hypo	CHG	-0.4185
Gm18	56935892	56936271	Gmdrm	hypo	CHG	-0.3085
Gm18	56947068	56947199	Gmdrm	hypo	CHG	-0.046
Gm18	56971229	56971521	Gmdrm	hypo	CHG	-0.4658

Gm18	56972026	56972189	Gmdrm	hypo	CHG	-0.2444
Gm18	56975281	56975493	Gmdrm	hypo	CHG	-0.167
Gm18	56975967	56976101	Gmdrm	hypo	CHG	-0.1157
Gm18	57003952	57004205	Gmdrm	hypo	CHG	-0.5505
Gm18	57004806	57005023	Gmdrm	hypo	CHG	-0.3409
Gm18	57013542	57013762	Gmdrm	hypo	CHG	-0.09
Gm18	57042308	57042509	Gmdrm	hypo	CHG	-0.3978
Gm18	57042730	57042831	Gmdrm	hypo	CHG	-0.7584
Gm18	57043037	57043106	Gmdrm	hypo	CHG	-0.6343
Gm18	57050826	57051338	Gmdrm	hypo	CHG	-0.2995
Gm18	57054691	57054901	Gmdrm	hypo	CHG	-0.0355
Gm18	57072647	57072919	Gmdrm	hypo	CHG	-0.0389
Gm18	57081521	57081925	Gmdrm	hypo	CHG	-0.0418
Gm18	57092681	57092903	Gmdrm	hypo	CHG	-0.0984
Gm18	57094283	57094766	Gmdrm	hypo	CHG	-0.3148
Gm18	57101498	57101618	Gmdrm	hypo	CHG	-0.062
Gm18	57104357	57104805	Gmdrm	hypo	CHG	-0.026
Gm18	57109289	57109381	Gmdrm	hypo	CHG	-0.044
Gm18	57114800	57115031	Gmdrm	hypo	CHG	-0.1735
Gm18	57144472	57144675	Gmdrm	hypo	CHG	-0.608
Gm18	57144907	57145136	Gmdrm	hypo	CHG	-0.8679
Gm18	57176655	57177267	Gmdrm	hypo	CHG	-0.345
Gm18	57189899	57190126	Gmdrm	hypo	CHG	-0.3111
Gm18	57191554	57191643	Gmdrm	hypo	CHG	-0.2957
Gm18	57198672	57198909	Gmdrm	hypo	CHG	-0.4223
Gm18	57217927	57218080	Gmdrm	hypo	CHG	-0.3416
Gm18	57218349	57218537	Gmdrm	hypo	CHG	-0.5
Gm18	57226181	57226396	Gmdrm	hypo	CHG	-0.3167
Gm18	57226552	57226570	Gmdrm	hypo	CHG	-0.7983
Gm18	57229074	57229201	Gmdrm	hypo	CHG	-0.7355
Gm18	57270278	57270607	Gmdrm	hypo	CHG	-0.5276
Gm18	57285780	57286087	Gmdrm	hypo	CHG	-0.0859
Gm18	57320353	57320566	Gmdrm	hypo	CHG	-0.052
Gm18	57321802	57321895	Gmdrm	hypo	CHG	-0.07
Gm18	57353973	57354128	Gmdrm	hypo	CHG	-0.08
Gm18	57357098	57357255	Gmdrm	hypo	CHG	-0.72
Gm18	57365613	57366576	Gmdrm	hypo	CHG	-0.1749
Gm18	57409399	57409566	Gmdrm	hypo	CHG	-0.34
Gm18	57409781	57409899	Gmdrm	hypo	CHG	-0.276
Gm18	57422599	57423088	Gmdrm	hypo	CHG	-0.5743
Gm18	57433959	57434170	Gmdrm	hypo	CHG	-0.81
Gm18	57449670	57449691	Gmdrm	hypo	CHG	-0.276
Gm18	57459962	57460432	Gmdrm	hypo	CHG	-0.36
Gm18	57461098	57461195	Gmdrm	hypo	CHG	-0.654
Gm18	57462738	57462875	Gmdrm	hypo	CHG	-0.088
Gm18	57463043	57463143	Gmdrm	hypo	CHG	-0.585

Gm18	57465824	57466440	Gmdrm	hypo	CHG	-0.3304
Gm18	57472728	57472982	Gmdrm	hypo	CHG	-0.5391
Gm18	57473442	57473602	Gmdrm	hypo	CHG	-0.6663
Gm18	57497743	57497846	Gmdrm	hypo	CHG	-0.05
Gm18	57506855	57506977	Gmdrm	hypo	CHG	-0.7929
Gm18	57507274	57507395	Gmdrm	hypo	CHG	-0.7833
Gm18	57509286	57509495	Gmdrm	hypo	CHG	-0.036
Gm18	57517879	57518609	Gmdrm	hypo	CHG	-0.1641
Gm18	57518743	57519084	Gmdrm	hypo	CHG	-0.2975
Gm18	57520208	57521153	Gmdrm	hypo	CHG	-0.1728
Gm18	57579279	57579424	Gmdrm	hypo	CHG	-0.758
Gm18	57579544	57579790	Gmdrm	hypo	CHG	-0.5509
Gm18	57595015	57595348	Gmdrm	hypo	CHG	-0.0337
Gm18	57599724	57600009	Gmdrm	hypo	CHG	-0.0327
Gm18	57606230	57606445	Gmdrm	hypo	CHG	-0.0388
Gm18	57640163	57640284	Gmdrm	hypo	CHG	-0.9372
Gm18	57641140	57641190	Gmdrm	hypo	CHG	-0.9429
Gm18	57642056	57642114	Gmdrm	hypo	CHG	-0.03
Gm18	57645287	57645329	Gmdrm	hypo	CHG	-0.31
Gm18	57645501	57645780	Gmdrm	hypo	CHG	-0.5836
Gm18	57654602	57654876	Gmdrm	hypo	CHG	-0.0288
Gm18	57657369	57657709	Gmdrm	hypo	CHG	-0.069
Gm18	57665495	57665696	Gmdrm	hypo	CHG	-0.6022
Gm18	57680473	57680608	Gmdrm	hypo	CHG	-0.5333
Gm18	57689664	57689754	Gmdrm	hypo	CHG	-0.926
Gm18	57689872	57690029	Gmdrm	hypo	CHG	-0.8961
Gm18	57723325	57723372	Gmdrm	hypo	CHG	-0.8363
Gm18	57723592	57723742	Gmdrm	hypo	CHG	-0.1007
Gm18	57724377	57724460	Gmdrm	hypo	CHG	-0.054
Gm18	57743170	57743270	Gmdrm	hypo	CHG	-0.2608
Gm18	57753704	57753822	Gmdrm	hypo	CHG	-0.2629
Gm18	57757076	57757129	Gmdrm	hypo	CHG	-0.044
Gm18	57765552	57765707	Gmdrm	hypo	CHG	-0.034
Gm18	57767469	57767833	Gmdrm	hypo	CHG	-0.045
Gm18	57770012	57770256	Gmdrm	hypo	CHG	-0.0829
Gm18	57777042	57777289	Gmdrm	hypo	CHG	-0.0414
Gm18	57786013	57786225	Gmdrm	hypo	CHG	-0.0622
Gm18	57794549	57794763	Gmdrm	hypo	CHG	-0.04
Gm18	57822290	57822808	Gmdrm	hypo	CHG	-0.3446
Gm18	57823338	57823444	Gmdrm	hypo	CHG	-0.106
Gm18	57832051	57832164	Gmdrm	hypo	CHG	-0.5129
Gm18	57854383	57854576	Gmdrm	hypo	CHG	-0.5778
Gm18	57860996	57861160	Gmdrm	hypo	CHG	-0.4805
Gm18	57917778	57917869	Gmdrm	hypo	CHG	-0.4257
Gm18	57923787	57923964	Gmdrm	hypo	CHG	-0.575
Gm18	57924136	57924232	Gmdrm	hypo	CHG	-0.2516

Gm18	57951177	57951261	Gmdrm	hypo	CHG	-0.6212
Gm18	57956956	57957153	Gmdrm	hypo	CHG	-0.5523
Gm18	57981056	57981248	Gmdrm	hypo	CHG	-0.6478
Gm18	57992567	57992724	Gmdrm	hypo	CHG	-0.4811
Gm18	58016640	58017162	Gmdrm	hypo	CHG	-0.0389
Gm18	58026754	58026834	Gmdrm	hypo	CHG	-0.046
Gm18	58058879	58059519	Gmdrm	hypo	CHG	-0.0385
Gm18	58060182	58060392	Gmdrm	hypo	CHG	-0.06
Gm18	58089958	58090078	Gmdrm	hypo	CHG	-0.7671
Gm18	58090382	58090458	Gmdrm	hypo	CHG	-0.7928
Gm18	58119068	58119391	Gmdrm	hypo	CHG	-0.9117
Gm18	58126682	58126933	Gmdrm	hypo	CHG	-0.0557
Gm18	58169244	58169996	Gmdrm	hypo	CHG	-0.1383
Gm18	58170840	58171225	Gmdrm	hypo	CHG	-0.207
Gm18	58181511	58181992	Gmdrm	hypo	CHG	-0.5321
Gm18	58195028	58195125	Gmdrm	hypo	CHG	-0.874
Gm18	58202259	58202445	Gmdrm	hypo	CHG	-0.4674
Gm18	58203583	58204050	Gmdrm	hypo	CHG	-0.5856
Gm18	58220695	58220748	Gmdrm	hypo	CHG	-0.098
Gm18	58261109	58261179	Gmdrm	hypo	CHG	-0.61
Gm18	58261285	58261505	Gmdrm	hypo	CHG	-0.6833
Gm18	58266427	58266830	Gmdrm	hypo	CHG	-0.4108
Gm18_scaffo	3049	3263	Gmdrm	hypo	CHG	-0.24
Gm18_scaffo	3370	3916	Gmdrm	hypo	CHG	-0.3136
Gm18_scaffo	4997	5187	Gmdrm	hypo	CHG	-0.7467
Gm18_scaffo	8059	8530	Gmdrm	hypo	CHG	-0.19
Gm19	9646	9767	Gmdrm	hypo	CHG	-0.5417
Gm19	9871	9993	Gmdrm	hypo	CHG	-0.674
Gm19	29872	30040	Gmdrm	hypo	CHG	-0.1809
Gm19	64945	65262	Gmdrm	hypo	CHG	-0.574
Gm19	65702	65880	Gmdrm	hypo	CHG	-0.4975
Gm19	72646	73031	Gmdrm	hypo	CHG	-0.0507
Gm19	73364	73716	Gmdrm	hypo	CHG	-0.026
Gm19	74090	74130	Gmdrm	hypo	CHG	-0.052
Gm19	89568	89981	Gmdrm	hypo	CHG	-0.3352
Gm19	107512	107647	Gmdrm	hypo	CHG	-0.4288
Gm19	119986	120068	Gmdrm	hypo	CHG	-0.632
Gm19	127232	127752	Gmdrm	hypo	CHG	-0.0895
Gm19	149669	150082	Gmdrm	hypo	CHG	-0.0455
Gm19	161358	161776	Gmdrm	hypo	CHG	-0.0983
Gm19	172453	172570	Gmdrm	hypo	CHG	-0.2862
Gm19	175725	176030	Gmdrm	hypo	CHG	-0.2709
Gm19	178717	178868	Gmdrm	hypo	CHG	-0.8045
Gm19	197040	197482	Gmdrm	hypo	CHG	-0.7081
Gm19	197764	197950	Gmdrm	hypo	CHG	-0.2436
Gm19	214393	214464	Gmdrm	hypo	CHG	-0.1917

Gm19	259620	259701 Gmdrm	hypo	CHG	-0.476
Gm19	259829	259901 Gmdrm	hypo	CHG	-0.3784
Gm19	260036	260123 Gmdrm	hypo	CHG	-0.515
Gm19	261134	261289 Gmdrm	hypo	CHG	-0.5289
Gm19	269338	269515 Gmdrm	hypo	CHG	-0.74
Gm19	276375	276542 Gmdrm	hypo	CHG	-0.1506
Gm19	276708	276801 Gmdrm	hypo	CHG	-0.33
Gm19	280174	280374 Gmdrm	hypo	CHG	-0.7918
Gm19	311540	312016 Gmdrm	hypo	CHG	-0.3505
Gm19	318328	318516 Gmdrm	hypo	CHG	-0.03
Gm19	333071	333337 Gmdrm	hypo	CHG	-0.08
Gm19	350806	351042 Gmdrm	hypo	CHG	-0.13
Gm19	367180	367306 Gmdrm	hypo	CHG	-0.737
Gm19	367409	367531 Gmdrm	hypo	CHG	-0.745
Gm19	397697	397960 Gmdrm	hypo	CHG	-0.3309
Gm19	455852	455978 Gmdrm	hypo	CHG	-0.298
Gm19	456321	456433 Gmdrm	hypo	CHG	-0.042
Gm19	459970	460174 Gmdrm	hypo	CHG	-0.7429
Gm19	460676	460793 Gmdrm	hypo	CHG	-0.845
Gm19	466901	467118 Gmdrm	hypo	CHG	-0.5945
Gm19	469259	469412 Gmdrm	hypo	CHG	-0.78
Gm19	475045	475139 Gmdrm	hypo	CHG	-0.788
Gm19	490610	490802 Gmdrm	hypo	CHG	-0.5711
Gm19	520846	520880 Gmdrm	hypo	CHG	-0.136
Gm19	525265	525370 Gmdrm	hypo	CHG	-0.0533
Gm19	531346	531534 Gmdrm	hypo	CHG	-0.0429
Gm19	534185	534419 Gmdrm	hypo	CHG	-0.052
Gm19	536343	536464 Gmdrm	hypo	CHG	-0.3171
Gm19	537802	538322 Gmdrm	hypo	CHG	-0.623
Gm19	539059	539476 Gmdrm	hypo	CHG	-0.5852
Gm19	556534	556692 Gmdrm	hypo	CHG	-0.7745
Gm19	564295	564827 Gmdrm	hypo	CHG	-0.3919
Gm19	566071	566178 Gmdrm	hypo	CHG	-0.7711
Gm19	566330	566487 Gmdrm	hypo	CHG	-0.8316
Gm19	567662	568023 Gmdrm	hypo	CHG	-0.0414
Gm19	584180	584543 Gmdrm	hypo	CHG	-0.709
Gm19	588229	588302 Gmdrm	hypo	CHG	-0.7033
Gm19	588642	588821 Gmdrm	hypo	CHG	-0.228
Gm19	593120	593252 Gmdrm	hypo	CHG	-0.415
Gm19	598021	598040 Gmdrm	hypo	CHG	-0.7983
Gm19	607794	607980 Gmdrm	hypo	CHG	-0.605
Gm19	608785	608921 Gmdrm	hypo	CHG	-0.2811
Gm19	625059	625335 Gmdrm	hypo	CHG	-0.3216
Gm19	627399	627520 Gmdrm	hypo	CHG	-0.4066
Gm19	648581	648646 Gmdrm	hypo	CHG	-0.4417
Gm19	653618	653723 Gmdrm	hypo	CHG	-0.7

Gm19	665353	665518 Gmdrm	hypo	CHG	-0.6775
Gm19	666103	666384 Gmdrm	hypo	CHG	-0.44
Gm19	666707	667154 Gmdrm	hypo	CHG	-0.2517
Gm19	711467	711784 Gmdrm	hypo	CHG	-0.0414
Gm19	712945	713120 Gmdrm	hypo	CHG	-0.042
Gm19	724171	724296 Gmdrm	hypo	CHG	-0.905
Gm19	724413	724489 Gmdrm	hypo	CHG	-0.5166
Gm19	729927	730077 Gmdrm	hypo	CHG	-0.4771
Gm19	746829	747023 Gmdrm	hypo	CHG	-0.4327
Gm19	760195	760399 Gmdrm	hypo	CHG	-0.7182
Gm19	761149	761309 Gmdrm	hypo	CHG	-0.17
Gm19	786683	786811 Gmdrm	hypo	CHG	-0.398
Gm19	793942	794123 Gmdrm	hypo	CHG	-0.0529
Gm19	810049	810338 Gmdrm	hypo	CHG	-0.0313
Gm19	823038	823554 Gmdrm	hypo	CHG	-0.7024
Gm19	823757	823917 Gmdrm	hypo	CHG	-0.7509
Gm19	826918	827002 Gmdrm	hypo	CHG	-0.4517
Gm19	827478	827582 Gmdrm	hypo	CHG	-0.128
Gm19	827792	827914 Gmdrm	hypo	CHG	-0.3013
Gm19	831014	831277 Gmdrm	hypo	CHG	-0.6907
Gm19	831450	831694 Gmdrm	hypo	CHG	-0.694
Gm19	834636	834830 Gmdrm	hypo	CHG	-0.0229
Gm19	836535	836657 Gmdrm	hypo	CHG	-0.6863
Gm19	839901	840191 Gmdrm	hypo	CHG	-0.4864
Gm19	842526	842773 Gmdrm	hypo	CHG	-0.4555
Gm19	853491	853688 Gmdrm	hypo	CHG	-0.42
Gm19	898205	898320 Gmdrm	hypo	CHG	-0.0317
Gm19	911091	911257 Gmdrm	hypo	CHG	-0.194
Gm19	924365	924505 Gmdrm	hypo	CHG	-0.7844
Gm19	926406	926607 Gmdrm	hypo	CHG	-0.5159
Gm19	926781	926936 Gmdrm	hypo	CHG	-0.534
Gm19	947198	947358 Gmdrm	hypo	CHG	-0.042
Gm19	974635	974791 Gmdrm	hypo	CHG	-0.2945
Gm19	1010954	1011355 Gmdrm	hypo	CHG	-0.0807
Gm19	1024393	1024665 Gmdrm	hypo	CHG	-0.6923
Gm19	1031514	1031595 Gmdrm	hypo	CHG	-0.5586
Gm19	1036534	1036562 Gmdrm	hypo	CHG	-0.132
Gm19	1048578	1048699 Gmdrm	hypo	CHG	-0.7687
Gm19	1052658	1053034 Gmdrm	hypo	CHG	-0.0236
Gm19	1054647	1054750 Gmdrm	hypo	CHG	-0.034
Gm19	1055304	1055344 Gmdrm	hypo	CHG	-0.318
Gm19	1055477	1055690 Gmdrm	hypo	CHG	-0.5243
Gm19	1071403	1071559 Gmdrm	hypo	CHG	-0.6025
Gm19	1073166	1073265 Gmdrm	hypo	CHG	-0.65
Gm19	1073366	1073383 Gmdrm	hypo	CHG	-0.83
Gm19	1074358	1074647 Gmdrm	hypo	CHG	-0.9469

Gm19	1082556	1082646	Gmdrm	hypo	CHG	-0.6
Gm19	1083853	1084468	Gmdrm	hypo	CHG	-0.3106
Gm19	1087018	1087624	Gmdrm	hypo	CHG	-0.3122
Gm19	1101338	1101463	Gmdrm	hypo	CHG	-0.448
Gm19	1115848	1116081	Gmdrm	hypo	CHG	-0.5199
Gm19	1126932	1127073	Gmdrm	hypo	CHG	-0.1786
Gm19	1127196	1127404	Gmdrm	hypo	CHG	-0.56
Gm19	1127847	1128148	Gmdrm	hypo	CHG	-0.4509
Gm19	1138313	1138421	Gmdrm	hypo	CHG	-0.58
Gm19	1140474	1140683	Gmdrm	hypo	CHG	-0.4317
Gm19	1145609	1145877	Gmdrm	hypo	CHG	-0.0333
Gm19	1171998	1172233	Gmdrm	hypo	CHG	-0.2323
Gm19	1173821	1173898	Gmdrm	hypo	CHG	-0.3666
Gm19	1176688	1177682	Gmdrm	hypo	CHG	-0.0904
Gm19	1207108	1207216	Gmdrm	hypo	CHG	-0.048
Gm19	1220876	1221023	Gmdrm	hypo	CHG	-0.246
Gm19	1225287	1225842	Gmdrm	hypo	CHG	-0.6712
Gm19	1227474	1227652	Gmdrm	hypo	CHG	-0.405
Gm19	1227785	1228451	Gmdrm	hypo	CHG	-0.4139
Gm19	1232775	1233141	Gmdrm	hypo	CHG	-0.4013
Gm19	1239929	1240060	Gmdrm	hypo	CHG	-0.7567
Gm19	1240171	1240454	Gmdrm	hypo	CHG	-0.395
Gm19	1243865	1243960	Gmdrm	hypo	CHG	-0.164
Gm19	1245762	1245852	Gmdrm	hypo	CHG	-0.048
Gm19	1257500	1257753	Gmdrm	hypo	CHG	-0.03
Gm19	1261627	1261901	Gmdrm	hypo	CHG	-0.3868
Gm19	1263498	1263922	Gmdrm	hypo	CHG	-0.6642
Gm19	1271831	1272314	Gmdrm	hypo	CHG	-0.2965
Gm19	1281305	1281473	Gmdrm	hypo	CHG	-0.2786
Gm19	1283402	1283534	Gmdrm	hypo	CHG	-0.39
Gm19	1283755	1283897	Gmdrm	hypo	CHG	-0.5867
Gm19	1285012	1285437	Gmdrm	hypo	CHG	-0.0354
Gm19	1296078	1296161	Gmdrm	hypo	CHG	-0.5583
Gm19	1296722	1296784	Gmdrm	hypo	CHG	-0.6316
Gm19	1346768	1346914	Gmdrm	hypo	CHG	-0.044
Gm19	1347961	1348069	Gmdrm	hypo	CHG	-0.3044
Gm19	1349253	1349658	Gmdrm	hypo	CHG	-0.3736
Gm19	1358336	1358379	Gmdrm	hypo	CHG	-0.6083
Gm19	1399807	1399959	Gmdrm	hypo	CHG	-0.482
Gm19	1413160	1413222	Gmdrm	hypo	CHG	-0.404
Gm19	1414339	1414547	Gmdrm	hypo	CHG	-0.032
Gm19	1422119	1422180	Gmdrm	hypo	CHG	-0.542
Gm19	1448301	1448547	Gmdrm	hypo	CHG	-0.308
Gm19	1497877	1498113	Gmdrm	hypo	CHG	-0.3491
Gm19	1498224	1498762	Gmdrm	hypo	CHG	-0.3508
Gm19	1498864	1498971	Gmdrm	hypo	CHG	-0.4286

Gm19	1505353	1505720 Gmdrm	hypo	CHG	-0.3447
Gm19	1505990	1506781 Gmdrm	hypo	CHG	-0.4594
Gm19	1506944	1507027 Gmdrm	hypo	CHG	-0.5567
Gm19	1507138	1507811 Gmdrm	hypo	CHG	-0.6053
Gm19	1507928	1508151 Gmdrm	hypo	CHG	-0.7067
Gm19	1529190	1529408 Gmdrm	hypo	CHG	-0.2017
Gm19	1582534	1582658 Gmdrm	hypo	CHG	-0.41
Gm19	1587028	1587136 Gmdrm	hypo	CHG	-0.65
Gm19	1589899	1589974 Gmdrm	hypo	CHG	-0.15
Gm19	1610737	1611023 Gmdrm	hypo	CHG	-0.426
Gm19	1627969	1628177 Gmdrm	hypo	CHG	-0.5107
Gm19	1629596	1629767 Gmdrm	hypo	CHG	-0.0467
Gm19	1629915	1630275 Gmdrm	hypo	CHG	-0.3532
Gm19	1670788	1670838 Gmdrm	hypo	CHG	-0.7284
Gm19	1683680	1683720 Gmdrm	hypo	CHG	-0.722
Gm19	1684268	1684419 Gmdrm	hypo	CHG	-0.2875
Gm19	1707899	1707979 Gmdrm	hypo	CHG	-0.652
Gm19	1708239	1708504 Gmdrm	hypo	CHG	-0.4772
Gm19	1719836	1719917 Gmdrm	hypo	CHG	-0.555
Gm19	1725131	1725160 Gmdrm	hypo	CHG	-0.588
Gm19	1729209	1729257 Gmdrm	hypo	CHG	-0.6167
Gm19	1730543	1730811 Gmdrm	hypo	CHG	-0.8117
Gm19	1747790	1747892 Gmdrm	hypo	CHG	-0.3346
Gm19	1748049	1748380 Gmdrm	hypo	CHG	-0.248
Gm19	1761693	1761835 Gmdrm	hypo	CHG	-0.038
Gm19	1777583	1777853 Gmdrm	hypo	CHG	-0.114
Gm19	1786716	1786918 Gmdrm	hypo	CHG	-0.5387
Gm19	1787131	1787322 Gmdrm	hypo	CHG	-0.332
Gm19	1787440	1787567 Gmdrm	hypo	CHG	-0.504
Gm19	1791935	1792347 Gmdrm	hypo	CHG	-0.0667
Gm19	1800529	1800695 Gmdrm	hypo	CHG	-0.0786
Gm19	1831731	1831963 Gmdrm	hypo	CHG	-0.46
Gm19	1832334	1832481 Gmdrm	hypo	CHG	-0.5734
Gm19	1835324	1835575 Gmdrm	hypo	CHG	-0.6482
Gm19	1848480	1848557 Gmdrm	hypo	CHG	-0.045
Gm19	1852358	1852670 Gmdrm	hypo	CHG	-0.2237
Gm19	1855790	1856315 Gmdrm	hypo	CHG	-0.1808
Gm19	1857693	1857726 Gmdrm	hypo	CHG	-0.305
Gm19	1857844	1857923 Gmdrm	hypo	CHG	-0.8183
Gm19	1859101	1859714 Gmdrm	hypo	CHG	-0.6783
Gm19	1865211	1865446 Gmdrm	hypo	CHG	-0.1331
Gm19	1880345	1880608 Gmdrm	hypo	CHG	-0.2146
Gm19	1906918	1907159 Gmdrm	hypo	CHG	-0.7562
Gm19	1953640	1953705 Gmdrm	hypo	CHG	-0.438
Gm19	1953869	1954243 Gmdrm	hypo	CHG	-0.3835
Gm19	1954640	1954717 Gmdrm	hypo	CHG	-0.2484

Gm19	1968644	1969134	Gmdrm	hypo	CHG	-0.618
Gm19	1969359	1969562	Gmdrm	hypo	CHG	-0.3885
Gm19	1991765	1991989	Gmdrm	hypo	CHG	-0.023
Gm19	2019221	2019488	Gmdrm	hypo	CHG	-0.1135
Gm19	2020103	2020355	Gmdrm	hypo	CHG	-0.0991
Gm19	2029701	2029784	Gmdrm	hypo	CHG	-0.57
Gm19	2032960	2033290	Gmdrm	hypo	CHG	-0.8526
Gm19	2048275	2048926	Gmdrm	hypo	CHG	-0.0294
Gm19	2055162	2055328	Gmdrm	hypo	CHG	-0.8446
Gm19	2062291	2062863	Gmdrm	hypo	CHG	-0.6857
Gm19	2063215	2063447	Gmdrm	hypo	CHG	-0.307
Gm19	2065562	2066108	Gmdrm	hypo	CHG	-0.6204
Gm19	2070652	2070978	Gmdrm	hypo	CHG	-0.9119
Gm19	2071764	2071814	Gmdrm	hypo	CHG	-0.0844
Gm19	2075626	2075729	Gmdrm	hypo	CHG	-0.3967
Gm19	2075915	2076621	Gmdrm	hypo	CHG	-0.1347
Gm19	2078446	2078953	Gmdrm	hypo	CHG	-0.1659
Gm19	2079097	2080094	Gmdrm	hypo	CHG	-0.2198
Gm19	2080152	2080220	Gmdrm	hypo	CHG	-0.414
Gm19	2081889	2082513	Gmdrm	hypo	CHG	-0.562
Gm19	2082705	2082773	Gmdrm	hypo	CHG	-0.6966
Gm19	2083446	2083478	Gmdrm	hypo	CHG	-0.6471
Gm19	2083812	2083844	Gmdrm	hypo	CHG	-0.81
Gm19	2084865	2085401	Gmdrm	hypo	CHG	-0.7148
Gm19	2085807	2086407	Gmdrm	hypo	CHG	-0.3697
Gm19	2086510	2087050	Gmdrm	hypo	CHG	-0.1727
Gm19	2087856	2088556	Gmdrm	hypo	CHG	-0.1273
Gm19	2089502	2089798	Gmdrm	hypo	CHG	-0.3585
Gm19	2090229	2090881	Gmdrm	hypo	CHG	-0.3161
Gm19	2091014	2091185	Gmdrm	hypo	CHG	-0.2559
Gm19	2093047	2093766	Gmdrm	hypo	CHG	-0.4096
Gm19	2109254	2109370	Gmdrm	hypo	CHG	-0.044
Gm19	2125480	2125653	Gmdrm	hypo	CHG	-0.6084
Gm19	2137941	2138017	Gmdrm	hypo	CHG	-0.228
Gm19	2138404	2138526	Gmdrm	hypo	CHG	-0.05
Gm19	2145710	2146092	Gmdrm	hypo	CHG	-0.5385
Gm19	2147671	2148199	Gmdrm	hypo	CHG	-0.7373
Gm19	2162940	2163133	Gmdrm	hypo	CHG	-0.4133
Gm19	2164405	2164735	Gmdrm	hypo	CHG	-0.6707
Gm19	2164965	2165015	Gmdrm	hypo	CHG	-0.8671
Gm19	2165798	2166034	Gmdrm	hypo	CHG	-0.5387
Gm19	2198819	2198866	Gmdrm	hypo	CHG	-0.0312
Gm19	2201098	2201329	Gmdrm	hypo	CHG	-0.0587
Gm19	2210371	2210466	Gmdrm	hypo	CHG	-0.698
Gm19	2210955	2211080	Gmdrm	hypo	CHG	-0.573
Gm19	2249139	2249378	Gmdrm	hypo	CHG	-0.1113

Gm19	2268230	2268325	Gmdrm	hypo	CHG	-0.375
Gm19	2295059	2295091	Gmdrm	hypo	CHG	-0.344
Gm19	2317348	2317419	Gmdrm	hypo	CHG	-0.66
Gm19	2317607	2317671	Gmdrm	hypo	CHG	-0.6024
Gm19	2319127	2319189	Gmdrm	hypo	CHG	-0.268
Gm19	2319916	2320051	Gmdrm	hypo	CHG	-0.487
Gm19	2321691	2321944	Gmdrm	hypo	CHG	-0.3319
Gm19	2347523	2348507	Gmdrm	hypo	CHG	-0.056
Gm19	2362711	2362989	Gmdrm	hypo	CHG	-0.6639
Gm19	2367792	2367931	Gmdrm	hypo	CHG	-0.3963
Gm19	2368173	2368491	Gmdrm	hypo	CHG	-0.3527
Gm19	2370972	2371164	Gmdrm	hypo	CHG	-0.29
Gm19	2371697	2371925	Gmdrm	hypo	CHG	-0.5635
Gm19	2375259	2375580	Gmdrm	hypo	CHG	-0.504
Gm19	2375684	2375756	Gmdrm	hypo	CHG	-0.835
Gm19	2378567	2378587	Gmdrm	hypo	CHG	-0.7516
Gm19	2429222	2429466	Gmdrm	hypo	CHG	-0.3116
Gm19	2430518	2430638	Gmdrm	hypo	CHG	-0.0383
Gm19	2451468	2451702	Gmdrm	hypo	CHG	-0.4834
Gm19	2455566	2455851	Gmdrm	hypo	CHG	-0.5775
Gm19	2470084	2470234	Gmdrm	hypo	CHG	-0.659
Gm19	2470356	2470439	Gmdrm	hypo	CHG	-0.7483
Gm19	2474627	2474754	Gmdrm	hypo	CHG	-0.4583
Gm19	2493077	2494051	Gmdrm	hypo	CHG	-0.4047
Gm19	2521044	2521299	Gmdrm	hypo	CHG	-0.9013
Gm19	2521858	2522054	Gmdrm	hypo	CHG	-0.7274
Gm19	2522275	2522741	Gmdrm	hypo	CHG	-0.5756
Gm19	2526555	2526637	Gmdrm	hypo	CHG	-0.332
Gm19	2534000	2534118	Gmdrm	hypo	CHG	-0.43
Gm19	2534255	2534368	Gmdrm	hypo	CHG	-0.5013
Gm19	2546717	2547498	Gmdrm	hypo	CHG	-0.4517
Gm19	2555130	2555207	Gmdrm	hypo	CHG	-0.3
Gm19	2559978	2560037	Gmdrm	hypo	CHG	-0.735
Gm19	2560152	2560250	Gmdrm	hypo	CHG	-0.8171
Gm19	2599645	2600061	Gmdrm	hypo	CHG	-0.4659
Gm19	2616675	2616860	Gmdrm	hypo	CHG	-0.06
Gm19	2618698	2619176	Gmdrm	hypo	CHG	-0.3856
Gm19	2619491	2619709	Gmdrm	hypo	CHG	-0.5513
Gm19	2625730	2625925	Gmdrm	hypo	CHG	-0.449
Gm19	2629686	2629783	Gmdrm	hypo	CHG	-0.13
Gm19	2631842	2631945	Gmdrm	hypo	CHG	-0.078
Gm19	2633626	2633795	Gmdrm	hypo	CHG	-0.6957
Gm19	2659749	2659872	Gmdrm	hypo	CHG	-0.038
Gm19	2671388	2671525	Gmdrm	hypo	CHG	-0.916
Gm19	2671633	2671908	Gmdrm	hypo	CHG	-0.6372
Gm19	2672685	2673040	Gmdrm	hypo	CHG	-0.1931

Gm19	2674304	2674816	Gmdrm	hypo	CHG	-0.3015
Gm19	2676123	2676358	Gmdrm	hypo	CHG	-0.6904
Gm19	2676653	2676924	Gmdrm	hypo	CHG	-0.5311
Gm19	2760682	2760857	Gmdrm	hypo	CHG	-0.054
Gm19	2762679	2762847	Gmdrm	hypo	CHG	-0.42
Gm19	2763148	2763248	Gmdrm	hypo	CHG	-0.8675
Gm19	2763613	2763902	Gmdrm	hypo	CHG	-0.5471
Gm19	2792798	2793069	Gmdrm	hypo	CHG	-0.4965
Gm19	2807574	2807900	Gmdrm	hypo	CHG	-0.2563
Gm19	2813420	2813607	Gmdrm	hypo	CHG	-0.5816
Gm19	2813947	2814497	Gmdrm	hypo	CHG	-0.7082
Gm19	2826452	2826645	Gmdrm	hypo	CHG	-0.0601
Gm19	2826809	2826998	Gmdrm	hypo	CHG	-0.6675
Gm19	2827240	2827426	Gmdrm	hypo	CHG	-0.0889
Gm19	2846971	2847109	Gmdrm	hypo	CHG	-0.262
Gm19	2847858	2848717	Gmdrm	hypo	CHG	-0.1682
Gm19	2852324	2852434	Gmdrm	hypo	CHG	-0.3984
Gm19	2858486	2858700	Gmdrm	hypo	CHG	-0.264
Gm19	2888218	2888724	Gmdrm	hypo	CHG	-0.5862
Gm19	2889948	2890575	Gmdrm	hypo	CHG	-0.4351
Gm19	2977405	2977828	Gmdrm	hypo	CHG	-0.4913
Gm19	2992764	2993072	Gmdrm	hypo	CHG	-0.4081
Gm19	3094162	3094365	Gmdrm	hypo	CHG	-0.427
Gm19	3096923	3097132	Gmdrm	hypo	CHG	-0.453
Gm19	3098239	3098574	Gmdrm	hypo	CHG	-0.2345
Gm19	3104677	3104777	Gmdrm	hypo	CHG	-0.515
Gm19	3119305	3119431	Gmdrm	hypo	CHG	-0.425
Gm19	3136366	3136770	Gmdrm	hypo	CHG	-0.3416
Gm19	3138149	3138357	Gmdrm	hypo	CHG	-0.8209
Gm19	3142111	3142260	Gmdrm	hypo	CHG	-0.3484
Gm19	3162306	3162668	Gmdrm	hypo	CHG	-0.5315
Gm19	3165567	3165600	Gmdrm	hypo	CHG	-0.19
Gm19	3172884	3173001	Gmdrm	hypo	CHG	-0.4433
Gm19	3174560	3174715	Gmdrm	hypo	CHG	-0.4108
Gm19	3190296	3190416	Gmdrm	hypo	CHG	-0.674
Gm19	3191910	3192033	Gmdrm	hypo	CHG	-0.292
Gm19	3217580	3218008	Gmdrm	hypo	CHG	-0.7771
Gm19	3218345	3218523	Gmdrm	hypo	CHG	-0.477
Gm19	3219057	3219322	Gmdrm	hypo	CHG	-0.8847
Gm19	3220050	3220166	Gmdrm	hypo	CHG	-0.6012
Gm19	3222342	3222591	Gmdrm	hypo	CHG	-0.033
Gm19	3257532	3258054	Gmdrm	hypo	CHG	-0.3532
Gm19	3297516	3298130	Gmdrm	hypo	CHG	-0.7083
Gm19	3298236	3298265	Gmdrm	hypo	CHG	-0.72
Gm19	3298504	3298961	Gmdrm	hypo	CHG	-0.528
Gm19	3299088	3299192	Gmdrm	hypo	CHG	-0.3687

Gm19	3299358	3299601	Gmdrm	hypo	CHG	-0.2082
Gm19	3300086	3300371	Gmdrm	hypo	CHG	-0.2733
Gm19	3306198	3306252	Gmdrm	hypo	CHG	-0.226
Gm19	3310192	3310703	Gmdrm	hypo	CHG	-0.34
Gm19	3333026	3333132	Gmdrm	hypo	CHG	-0.518
Gm19	3333363	3333465	Gmdrm	hypo	CHG	-0.8013
Gm19	3420394	3420667	Gmdrm	hypo	CHG	-0.595
Gm19	3436215	3436572	Gmdrm	hypo	CHG	-0.3273
Gm19	3436684	3436715	Gmdrm	hypo	CHG	-0.802
Gm19	3443333	3443479	Gmdrm	hypo	CHG	-0.026
Gm19	3455910	3456000	Gmdrm	hypo	CHG	-0.5833
Gm19	3460420	3460674	Gmdrm	hypo	CHG	-0.4942
Gm19	3466665	3467154	Gmdrm	hypo	CHG	-0.21
Gm19	3468258	3468420	Gmdrm	hypo	CHG	-0.476
Gm19	3468693	3468850	Gmdrm	hypo	CHG	-0.7756
Gm19	3478593	3478928	Gmdrm	hypo	CHG	-0.0345
Gm19	3483623	3483733	Gmdrm	hypo	CHG	-0.584
Gm19	3489065	3489281	Gmdrm	hypo	CHG	-0.7266
Gm19	3495060	3495136	Gmdrm	hypo	CHG	-0.596
Gm19	3497905	3498176	Gmdrm	hypo	CHG	-0.0685
Gm19	3511967	3512307	Gmdrm	hypo	CHG	-0.2407
Gm19	3535006	3535291	Gmdrm	hypo	CHG	-0.0387
Gm19	3545302	3545444	Gmdrm	hypo	CHG	-0.5567
Gm19	3549148	3549419	Gmdrm	hypo	CHG	-0.4623
Gm19	3550274	3550400	Gmdrm	hypo	CHG	-0.3213
Gm19	3550509	3550639	Gmdrm	hypo	CHG	-0.395
Gm19	3550983	3551297	Gmdrm	hypo	CHG	-0.8292
Gm19	3568142	3568489	Gmdrm	hypo	CHG	-0.5606
Gm19	3568827	3569077	Gmdrm	hypo	CHG	-0.3088
Gm19	3569429	3570328	Gmdrm	hypo	CHG	-0.2292
Gm19	3572644	3572951	Gmdrm	hypo	CHG	-0.6065
Gm19	3573063	3573277	Gmdrm	hypo	CHG	-0.3022
Gm19	3573398	3573655	Gmdrm	hypo	CHG	-0.4671
Gm19	3573889	3573982	Gmdrm	hypo	CHG	-0.67
Gm19	3574091	3574497	Gmdrm	hypo	CHG	-0.595
Gm19	3574604	3574722	Gmdrm	hypo	CHG	-0.594
Gm19	3574827	3575048	Gmdrm	hypo	CHG	-0.5854
Gm19	3575704	3575815	Gmdrm	hypo	CHG	-0.7543
Gm19	3575929	3576100	Gmdrm	hypo	CHG	-0.6475
Gm19	3576281	3576558	Gmdrm	hypo	CHG	-0.7363
Gm19	3576675	3576820	Gmdrm	hypo	CHG	-0.6786
Gm19	3576924	3577000	Gmdrm	hypo	CHG	-0.8754
Gm19	3578220	3578523	Gmdrm	hypo	CHG	-0.054
Gm19	3595006	3595033	Gmdrm	hypo	CHG	-0.848
Gm19	3595218	3595610	Gmdrm	hypo	CHG	-0.1016
Gm19	3601777	3601859	Gmdrm	hypo	CHG	-0.2885

Gm19	3621678	3621880	Gmdrm	hypo	CHG	-0.3938
Gm19	3625463	3625720	Gmdrm	hypo	CHG	-0.2467
Gm19	3630300	3630635	Gmdrm	hypo	CHG	-0.5572
Gm19	3642917	3643058	Gmdrm	hypo	CHG	-0.615
Gm19	3643247	3643287	Gmdrm	hypo	CHG	-0.4917
Gm19	3648076	3648451	Gmdrm	hypo	CHG	-0.0273
Gm19	3691685	3691846	Gmdrm	hypo	CHG	-0.4584
Gm19	3692029	3692195	Gmdrm	hypo	CHG	-0.0975
Gm19	3706085	3706135	Gmdrm	hypo	CHG	-0.2709
Gm19	3720454	3720654	Gmdrm	hypo	CHG	-0.5075
Gm19	3727522	3727635	Gmdrm	hypo	CHG	-0.716
Gm19	3753592	3753822	Gmdrm	hypo	CHG	-0.188
Gm19	3759136	3759183	Gmdrm	hypo	CHG	-0.6317
Gm19	3759287	3759573	Gmdrm	hypo	CHG	-0.3124
Gm19	3761024	3761146	Gmdrm	hypo	CHG	-0.7664
Gm19	3761554	3761839	Gmdrm	hypo	CHG	-0.6527
Gm19	3766059	3766453	Gmdrm	hypo	CHG	-0.6781
Gm19	3781882	3782019	Gmdrm	hypo	CHG	-0.038
Gm19	3784002	3784243	Gmdrm	hypo	CHG	-0.67
Gm19	3789187	3789298	Gmdrm	hypo	CHG	-0.46
Gm19	3792565	3793026	Gmdrm	hypo	CHG	-0.2647
Gm19	3800182	3800414	Gmdrm	hypo	CHG	-0.705
Gm19	3800542	3800577	Gmdrm	hypo	CHG	-0.815
Gm19	3800840	3800976	Gmdrm	hypo	CHG	-0.61
Gm19	3830187	3830511	Gmdrm	hypo	CHG	-0.1843
Gm19	3830900	3831080	Gmdrm	hypo	CHG	-0.3814
Gm19	3836811	3836857	Gmdrm	hypo	CHG	-0.2826
Gm19	3837049	3837334	Gmdrm	hypo	CHG	-0.796
Gm19	3839653	3839883	Gmdrm	hypo	CHG	-0.7284
Gm19	3840071	3840228	Gmdrm	hypo	CHG	-0.254
Gm19	3852191	3852276	Gmdrm	hypo	CHG	-0.2984
Gm19	3858904	3859897	Gmdrm	hypo	CHG	-0.382
Gm19	3869043	3869156	Gmdrm	hypo	CHG	-0.46
Gm19	3869269	3869586	Gmdrm	hypo	CHG	-0.5406
Gm19	3882452	3882684	Gmdrm	hypo	CHG	-0.2815
Gm19	3896982	3897033	Gmdrm	hypo	CHG	-0.292
Gm19	3897927	3898228	Gmdrm	hypo	CHG	-0.2486
Gm19	3918911	3919077	Gmdrm	hypo	CHG	-0.046
Gm19	3920976	3921341	Gmdrm	hypo	CHG	-0.5765
Gm19	3926080	3926175	Gmdrm	hypo	CHG	-0.42
Gm19	3927900	3928114	Gmdrm	hypo	CHG	-0.1735
Gm19	3933701	3933840	Gmdrm	hypo	CHG	-0.214
Gm19	3975260	3975393	Gmdrm	hypo	CHG	-0.165
Gm19	3978330	3978411	Gmdrm	hypo	CHG	-0.45
Gm19	3999022	3999180	Gmdrm	hypo	CHG	-0.485
Gm19	4000320	4001202	Gmdrm	hypo	CHG	-0.2215

Gm19	4009351	4009659 Gmdrm	hypo	CHG	-0.3573
Gm19	4012156	4012459 Gmdrm	hypo	CHG	-0.3382
Gm19	4013210	4013651 Gmdrm	hypo	CHG	-0.5141
Gm19	4033962	4034189 Gmdrm	hypo	CHG	-0.09
Gm19	4040845	4041197 Gmdrm	hypo	CHG	-0.0311
Gm19	4046914	4047058 Gmdrm	hypo	CHG	-0.1425
Gm19	4095533	4095638 Gmdrm	hypo	CHG	-0.25
Gm19	4099965	4100198 Gmdrm	hypo	CHG	-0.1812
Gm19	4124210	4124294 Gmdrm	hypo	CHG	-0.245
Gm19	4149747	4149854 Gmdrm	hypo	CHG	-0.306
Gm19	4150023	4150262 Gmdrm	hypo	CHG	-0.5938
Gm19	4179973	4180952 Gmdrm	hypo	CHG	-0.2608
Gm19	4208581	4208631 Gmdrm	hypo	CHG	-0.6967
Gm19	4214001	4214245 Gmdrm	hypo	CHG	-0.3486
Gm19	4229807	4230297 Gmdrm	hypo	CHG	-0.2652
Gm19	4230398	4230469 Gmdrm	hypo	CHG	-0.3688
Gm19	4256868	4257245 Gmdrm	hypo	CHG	-0.0967
Gm19	4265514	4265689 Gmdrm	hypo	CHG	-0.3058
Gm19	4295162	4295272 Gmdrm	hypo	CHG	-0.082
Gm19	4296798	4297103 Gmdrm	hypo	CHG	-0.7967
Gm19	4319885	4319943 Gmdrm	hypo	CHG	-0.372
Gm19	4331207	4331315 Gmdrm	hypo	CHG	-0.3772
Gm19	4331967	4332260 Gmdrm	hypo	CHG	-0.214
Gm19	4334380	4334658 Gmdrm	hypo	CHG	-0.43
Gm19	4335067	4335290 Gmdrm	hypo	CHG	-0.8829
Gm19	4350476	4350571 Gmdrm	hypo	CHG	-0.382
Gm19	4350914	4350988 Gmdrm	hypo	CHG	-0.5072
Gm19	4364627	4364674 Gmdrm	hypo	CHG	-0.4989
Gm19	4377498	4377631 Gmdrm	hypo	CHG	-0.6157
Gm19	4377918	4378047 Gmdrm	hypo	CHG	-0.235
Gm19	4410452	4410731 Gmdrm	hypo	CHG	-0.5113
Gm19	4415516	4416027 Gmdrm	hypo	CHG	-0.2472
Gm19	4416967	4417129 Gmdrm	hypo	CHG	-0.545
Gm19	4417285	4417466 Gmdrm	hypo	CHG	-0.405
Gm19	4419329	4419380 Gmdrm	hypo	CHG	-0.83
Gm19	4426183	4426233 Gmdrm	hypo	CHG	-0.6617
Gm19	4426382	4426533 Gmdrm	hypo	CHG	-0.6087
Gm19	4426707	4426777 Gmdrm	hypo	CHG	-0.478
Gm19	4427026	4427171 Gmdrm	hypo	CHG	-0.4612
Gm19	4429975	4430128 Gmdrm	hypo	CHG	-0.294
Gm19	4430609	4430764 Gmdrm	hypo	CHG	-0.17
Gm19	4441589	4441752 Gmdrm	hypo	CHG	-0.2475
Gm19	4447763	4447934 Gmdrm	hypo	CHG	-0.3757
Gm19	4524361	4524649 Gmdrm	hypo	CHG	-0.38
Gm19	4525523	4525618 Gmdrm	hypo	CHG	-0.048
Gm19	4538902	4539013 Gmdrm	hypo	CHG	-0.056

Gm19	4540385	4540549	Gmdrm	hypo	CHG	-0.0242
Gm19	4541673	4541890	Gmdrm	hypo	CHG	-0.4711
Gm19	4550696	4551272	Gmdrm	hypo	CHG	-0.2726
Gm19	4558932	4558960	Gmdrm	hypo	CHG	-0.51
Gm19	4649588	4649990	Gmdrm	hypo	CHG	-0.2659
Gm19	4806505	4806717	Gmdrm	hypo	CHG	-0.2583
Gm19	4818430	4818577	Gmdrm	hypo	CHG	-0.2967
Gm19	4821559	4821680	Gmdrm	hypo	CHG	-0.186
Gm19	4963183	4963262	Gmdrm	hypo	CHG	-0.2384
Gm19	4981601	4981735	Gmdrm	hypo	CHG	-0.3155
Gm19	5010802	5011290	Gmdrm	hypo	CHG	-0.2565
Gm19	5018141	5018361	Gmdrm	hypo	CHG	-0.6339
Gm19	5020509	5020590	Gmdrm	hypo	CHG	-0.4912
Gm19	5058831	5059057	Gmdrm	hypo	CHG	-0.0672
Gm19	5063993	5064217	Gmdrm	hypo	CHG	-0.472
Gm19	5068558	5068832	Gmdrm	hypo	CHG	-0.3109
Gm19	5076558	5076648	Gmdrm	hypo	CHG	-0.102
Gm19	5106615	5107613	Gmdrm	hypo	CHG	-0.1591
Gm19	5110337	5110389	Gmdrm	hypo	CHG	-0.37
Gm19	5127763	5127892	Gmdrm	hypo	CHG	-0.1517
Gm19	5132836	5133244	Gmdrm	hypo	CHG	-0.25
Gm19	5167408	5167427	Gmdrm	hypo	CHG	-0.8587
Gm19	5167694	5167874	Gmdrm	hypo	CHG	-0.4725
Gm19	5174647	5175607	Gmdrm	hypo	CHG	-0.1316
Gm19	5175663	5176651	Gmdrm	hypo	CHG	-0.204
Gm19	5181630	5182529	Gmdrm	hypo	CHG	-0.2315
Gm19	5196512	5196697	Gmdrm	hypo	CHG	-0.1712
Gm19	5202534	5203027	Gmdrm	hypo	CHG	-0.4106
Gm19	5223923	5224058	Gmdrm	hypo	CHG	-0.444
Gm19	5224621	5224792	Gmdrm	hypo	CHG	-0.485
Gm19	5225049	5225105	Gmdrm	hypo	CHG	-0.48
Gm19	5229376	5229591	Gmdrm	hypo	CHG	-0.068
Gm19	5229833	5230091	Gmdrm	hypo	CHG	-0.0467
Gm19	5235178	5235367	Gmdrm	hypo	CHG	-0.3774
Gm19	5266001	5266444	Gmdrm	hypo	CHG	-0.0289
Gm19	5268109	5268230	Gmdrm	hypo	CHG	-0.3733
Gm19	5294627	5294828	Gmdrm	hypo	CHG	-0.4411
Gm19	5298985	5299308	Gmdrm	hypo	CHG	-0.2692
Gm19	5315960	5316486	Gmdrm	hypo	CHG	-0.3771
Gm19	5326021	5326151	Gmdrm	hypo	CHG	-0.4783
Gm19	5326489	5326603	Gmdrm	hypo	CHG	-0.6963
Gm19	5336290	5336861	Gmdrm	hypo	CHG	-0.1158
Gm19	5352865	5352988	Gmdrm	hypo	CHG	-0.568
Gm19	5374436	5374711	Gmdrm	hypo	CHG	-0.56
Gm19	5374932	5375241	Gmdrm	hypo	CHG	-0.6282
Gm19	5375681	5375698	Gmdrm	hypo	CHG	-0.0783

Gm19	5385038	5385572 Gmdrm	hypo	CHG	-0.2
Gm19	5400683	5400845 Gmdrm	hypo	CHG	-0.4873
Gm19	5402576	5402725 Gmdrm	hypo	CHG	-0.4591
Gm19	5402829	5403239 Gmdrm	hypo	CHG	-0.365
Gm19	5448662	5449022 Gmdrm	hypo	CHG	-0.1075
Gm19	5524167	5524278 Gmdrm	hypo	CHG	-0.2634
Gm19	5531538	5531676 Gmdrm	hypo	CHG	-0.3367
Gm19	5531804	5532253 Gmdrm	hypo	CHG	-0.6565
Gm19	5533898	5533935 Gmdrm	hypo	CHG	-0.1417
Gm19	5557476	5558118 Gmdrm	hypo	CHG	-0.5653
Gm19	5583688	5583778 Gmdrm	hypo	CHG	-0.635
Gm19	5595617	5596134 Gmdrm	hypo	CHG	-0.4109
Gm19	5614480	5614638 Gmdrm	hypo	CHG	-0.35
Gm19	5625352	5625386 Gmdrm	hypo	CHG	-0.234
Gm19	5627165	5627550 Gmdrm	hypo	CHG	-0.6579
Gm19	5635928	5636056 Gmdrm	hypo	CHG	-0.5556
Gm19	5636314	5636452 Gmdrm	hypo	CHG	-0.545
Gm19	5638396	5638676 Gmdrm	hypo	CHG	-0.461
Gm19	5639753	5639981 Gmdrm	hypo	CHG	-0.3208
Gm19	5667851	5667942 Gmdrm	hypo	CHG	-0.616
Gm19	5674703	5674967 Gmdrm	hypo	CHG	-0.3171
Gm19	5709716	5709838 Gmdrm	hypo	CHG	-0.625
Gm19	5714148	5714439 Gmdrm	hypo	CHG	-0.3275
Gm19	5714564	5714705 Gmdrm	hypo	CHG	-0.2657
Gm19	5718435	5718488 Gmdrm	hypo	CHG	-0.46
Gm19	5734095	5734373 Gmdrm	hypo	CHG	-0.645
Gm19	5761546	5762002 Gmdrm	hypo	CHG	-0.1742
Gm19	5762561	5762747 Gmdrm	hypo	CHG	-0.042
Gm19	5782455	5782686 Gmdrm	hypo	CHG	-0.03
Gm19	5787851	5787915 Gmdrm	hypo	CHG	-0.6267
Gm19	5797640	5797761 Gmdrm	hypo	CHG	-0.225
Gm19	5797947	5798069 Gmdrm	hypo	CHG	-0.0825
Gm19	5798415	5798451 Gmdrm	hypo	CHG	-0.3833
Gm19	5808517	5809479 Gmdrm	hypo	CHG	-0.0967
Gm19	5819626	5819727 Gmdrm	hypo	CHG	-0.606
Gm19	5819851	5819956 Gmdrm	hypo	CHG	-0.9
Gm19	5820070	5820428 Gmdrm	hypo	CHG	-0.4504
Gm19	5824109	5824398 Gmdrm	hypo	CHG	-0.5389
Gm19	5836564	5836759 Gmdrm	hypo	CHG	-0.8062
Gm19	5838960	5839045 Gmdrm	hypo	CHG	-0.8667
Gm19	5848249	5848420 Gmdrm	hypo	CHG	-0.1511
Gm19	5849151	5849582 Gmdrm	hypo	CHG	-0.2183
Gm19	5850302	5850324 Gmdrm	hypo	CHG	-0.2366
Gm19	5860209	5860367 Gmdrm	hypo	CHG	-0.19
Gm19	5866864	5867037 Gmdrm	hypo	CHG	-0.044
Gm19	5868098	5868737 Gmdrm	hypo	CHG	-0.2287

Gm19	5869234	5869388	Gmdrm	hypo	CHG	-0.2389
Gm19	5869781	5870176	Gmdrm	hypo	CHG	-0.1756
Gm19	5903541	5903716	Gmdrm	hypo	CHG	-0.8409
Gm19	5903966	5904232	Gmdrm	hypo	CHG	-0.705
Gm19	5904339	5904456	Gmdrm	hypo	CHG	-0.6267
Gm19	5904613	5904898	Gmdrm	hypo	CHG	-0.2812
Gm19	5907742	5908078	Gmdrm	hypo	CHG	-0.4259
Gm19	5964648	5964814	Gmdrm	hypo	CHG	-0.328
Gm19	5965066	5965345	Gmdrm	hypo	CHG	-0.4388
Gm19	6003597	6003717	Gmdrm	hypo	CHG	-0.026
Gm19	6018200	6018411	Gmdrm	hypo	CHG	-0.9283
Gm19	6018586	6018698	Gmdrm	hypo	CHG	-0.672
Gm19	6027748	6028044	Gmdrm	hypo	CHG	-0.3275
Gm19	6032604	6032696	Gmdrm	hypo	CHG	-0.486
Gm19	6045677	6045951	Gmdrm	hypo	CHG	-0.38
Gm19	6083324	6083408	Gmdrm	hypo	CHG	-0.105
Gm19	6087383	6087606	Gmdrm	hypo	CHG	-0.038
Gm19	6094214	6094362	Gmdrm	hypo	CHG	-0.2386
Gm19	6131351	6131453	Gmdrm	hypo	CHG	-0.498
Gm19	6151504	6151860	Gmdrm	hypo	CHG	-0.855
Gm19	6173081	6173235	Gmdrm	hypo	CHG	-0.8018
Gm19	6243198	6243612	Gmdrm	hypo	CHG	-0.2255
Gm19	6251554	6251638	Gmdrm	hypo	CHG	-0.1634
Gm19	6251968	6252083	Gmdrm	hypo	CHG	-0.08
Gm19	6252405	6252584	Gmdrm	hypo	CHG	-0.1057
Gm19	6254134	6254247	Gmdrm	hypo	CHG	-0.6557
Gm19	6257995	6258026	Gmdrm	hypo	CHG	-0.69
Gm19	6258519	6258780	Gmdrm	hypo	CHG	-0.34
Gm19	6259885	6260851	Gmdrm	hypo	CHG	-0.316
Gm19	6264624	6265276	Gmdrm	hypo	CHG	-0.3113
Gm19	6274636	6274938	Gmdrm	hypo	CHG	-0.2415
Gm19	6305015	6305689	Gmdrm	hypo	CHG	-0.3685
Gm19	6315318	6315855	Gmdrm	hypo	CHG	-0.6858
Gm19	6400255	6400277	Gmdrm	hypo	CHG	-0.665
Gm19	6407737	6407758	Gmdrm	hypo	CHG	-0.3617
Gm19	6408031	6408246	Gmdrm	hypo	CHG	-0.0612
Gm19	6411019	6411485	Gmdrm	hypo	CHG	-0.3889
Gm19	6412811	6412879	Gmdrm	hypo	CHG	-0.695
Gm19	6416359	6416614	Gmdrm	hypo	CHG	-0.0457
Gm19	6423670	6423861	Gmdrm	hypo	CHG	-0.4499
Gm19	6424110	6424285	Gmdrm	hypo	CHG	-0.79
Gm19	6424482	6424590	Gmdrm	hypo	CHG	-0.78
Gm19	6429415	6429543	Gmdrm	hypo	CHG	-0.75
Gm19	6437248	6437367	Gmdrm	hypo	CHG	-0.5237
Gm19	6443266	6443466	Gmdrm	hypo	CHG	-0.033
Gm19	6445991	6446029	Gmdrm	hypo	CHG	-0.744

Gm19	6468103	6468479	Gmdrm	hypo	CHG	-0.3837
Gm19	6468607	6468659	Gmdrm	hypo	CHG	-0.612
Gm19	6470852	6470947	Gmdrm	hypo	CHG	-0.755
Gm19	6522982	6523119	Gmdrm	hypo	CHG	-0.042
Gm19	6528645	6529159	Gmdrm	hypo	CHG	-0.4076
Gm19	6562263	6562409	Gmdrm	hypo	CHG	-0.0433
Gm19	6683225	6683324	Gmdrm	hypo	CHG	-0.4243
Gm19	6732616	6733616	Gmdrm	hypo	CHG	-0.1631
Gm19	6733621	6734067	Gmdrm	hypo	CHG	-0.1556
Gm19	6737840	6737881	Gmdrm	hypo	CHG	-0.2083
Gm19	6739840	6739926	Gmdrm	hypo	CHG	-0.0462
Gm19	6740028	6740142	Gmdrm	hypo	CHG	-0.3413
Gm19	6740266	6740512	Gmdrm	hypo	CHG	-0.1443
Gm19	6762695	6763181	Gmdrm	hypo	CHG	-0.555
Gm19	6781170	6781526	Gmdrm	hypo	CHG	-0.5169
Gm19	6785542	6785646	Gmdrm	hypo	CHG	-0.42
Gm19	6794129	6794339	Gmdrm	hypo	CHG	-0.3445
Gm19	6806687	6806856	Gmdrm	hypo	CHG	-0.3275
Gm19	6815169	6815323	Gmdrm	hypo	CHG	-0.9392
Gm19	6815886	6816451	Gmdrm	hypo	CHG	-0.1462
Gm19	6878190	6878321	Gmdrm	hypo	CHG	-0.026
Gm19	6891906	6892146	Gmdrm	hypo	CHG	-0.044
Gm19	6975121	6975312	Gmdrm	hypo	CHG	-0.1113
Gm19	6977759	6977983	Gmdrm	hypo	CHG	-0.7983
Gm19	6999015	6999636	Gmdrm	hypo	CHG	-0.4609
Gm19	7019411	7019593	Gmdrm	hypo	CHG	-0.0509
Gm19	7064435	7064557	Gmdrm	hypo	CHG	-0.73
Gm19	7075932	7076324	Gmdrm	hypo	CHG	-0.2706
Gm19	7080089	7080262	Gmdrm	hypo	CHG	-0.3412
Gm19	7119659	7120176	Gmdrm	hypo	CHG	-0.3212
Gm19	7123823	7123914	Gmdrm	hypo	CHG	-0.6243
Gm19	7162253	7162478	Gmdrm	hypo	CHG	-0.2734
Gm19	7165532	7166087	Gmdrm	hypo	CHG	-0.5371
Gm19	7166444	7166703	Gmdrm	hypo	CHG	-0.7897
Gm19	7166834	7167014	Gmdrm	hypo	CHG	-0.045
Gm19	7167125	7167780	Gmdrm	hypo	CHG	-0.5024
Gm19	7186795	7187029	Gmdrm	hypo	CHG	-0.5825
Gm19	7216895	7217077	Gmdrm	hypo	CHG	-0.3978
Gm19	7217196	7217405	Gmdrm	hypo	CHG	-0.3643
Gm19	7281965	7282053	Gmdrm	hypo	CHG	-0.1985
Gm19	7328307	7328693	Gmdrm	hypo	CHG	-0.7634
Gm19	7329224	7329488	Gmdrm	hypo	CHG	-0.5392
Gm19	7346675	7346822	Gmdrm	hypo	CHG	-0.5778
Gm19	7346942	7347005	Gmdrm	hypo	CHG	-0.514
Gm19	7350617	7350730	Gmdrm	hypo	CHG	-0.8422
Gm19	7350832	7351357	Gmdrm	hypo	CHG	-0.395

Gm19	7369068	7369338	Gmdrm	hypo	CHG	-0.5445
Gm19	7376100	7376303	Gmdrm	hypo	CHG	-0.185
Gm19	7376475	7376573	Gmdrm	hypo	CHG	-0.7515
Gm19	7457924	7458007	Gmdrm	hypo	CHG	-0.8543
Gm19	7458177	7458310	Gmdrm	hypo	CHG	-0.7751
Gm19	7458533	7458591	Gmdrm	hypo	CHG	-0.622
Gm19	7494719	7494855	Gmdrm	hypo	CHG	-0.7167
Gm19	7495012	7495137	Gmdrm	hypo	CHG	-0.4309
Gm19	7561103	7561160	Gmdrm	hypo	CHG	-0.158
Gm19	7723767	7724000	Gmdrm	hypo	CHG	-0.265
Gm19	7802196	7802335	Gmdrm	hypo	CHG	-0.436
Gm19	7802440	7802565	Gmdrm	hypo	CHG	-0.3967
Gm19	7836555	7836779	Gmdrm	hypo	CHG	-0.8389
Gm19	7837122	7837708	Gmdrm	hypo	CHG	-0.1605
Gm19	7859142	7859385	Gmdrm	hypo	CHG	-0.5791
Gm19	7859621	7859697	Gmdrm	hypo	CHG	-0.7767
Gm19	7861148	7861291	Gmdrm	hypo	CHG	-0.4767
Gm19	7861710	7861795	Gmdrm	hypo	CHG	-0.3966
Gm19	7876118	7876229	Gmdrm	hypo	CHG	-0.1925
Gm19	7878867	7879828	Gmdrm	hypo	CHG	-0.2935
Gm19	7880953	7881073	Gmdrm	hypo	CHG	-0.04
Gm19	7889114	7889328	Gmdrm	hypo	CHG	-0.045
Gm19	7890099	7890471	Gmdrm	hypo	CHG	-0.025
Gm19	7891494	7891703	Gmdrm	hypo	CHG	-0.04
Gm19	7916064	7916325	Gmdrm	hypo	CHG	-0.2093
Gm19	7927795	7927913	Gmdrm	hypo	CHG	-0.5814
Gm19	8013219	8013618	Gmdrm	hypo	CHG	-0.2291
Gm19	8064549	8065159	Gmdrm	hypo	CHG	-0.1374
Gm19	8113270	8113376	Gmdrm	hypo	CHG	-0.7291
Gm19	8113672	8113774	Gmdrm	hypo	CHG	-0.378
Gm19	8113940	8114078	Gmdrm	hypo	CHG	-0.757
Gm19	8114301	8114438	Gmdrm	hypo	CHG	-0.5963
Gm19	8165754	8165946	Gmdrm	hypo	CHG	-0.73
Gm19	8172175	8172343	Gmdrm	hypo	CHG	-0.165
Gm19	8192651	8193218	Gmdrm	hypo	CHG	-0.2433
Gm19	8201882	8201977	Gmdrm	hypo	CHG	-0.7
Gm19	8206990	8207265	Gmdrm	hypo	CHG	-0.818
Gm19	8208144	8208329	Gmdrm	hypo	CHG	-0.6588
Gm19	8219994	8220363	Gmdrm	hypo	CHG	-0.1946
Gm19	8220464	8220693	Gmdrm	hypo	CHG	-0.15
Gm19	8222981	8223107	Gmdrm	hypo	CHG	-0.8
Gm19	8225369	8225521	Gmdrm	hypo	CHG	-0.6328
Gm19	8228792	8228965	Gmdrm	hypo	CHG	-0.3634
Gm19	8229081	8229412	Gmdrm	hypo	CHG	-0.4719
Gm19	8260487	8261207	Gmdrm	hypo	CHG	-0.6036
Gm19	8261318	8261576	Gmdrm	hypo	CHG	-0.5818

Gm19	8290195	8290465	Gmdrm	hypo	CHG	-0.3943
Gm19	8292207	8292354	Gmdrm	hypo	CHG	-0.0516
Gm19	8293604	8293736	Gmdrm	hypo	CHG	-0.038
Gm19	8294401	8294522	Gmdrm	hypo	CHG	-0.2637
Gm19	8304142	8304288	Gmdrm	hypo	CHG	-0.0617
Gm19	8304451	8304586	Gmdrm	hypo	CHG	-0.5989
Gm19	8306569	8306689	Gmdrm	hypo	CHG	-0.3662
Gm19	8316073	8316591	Gmdrm	hypo	CHG	-0.2432
Gm19	8350845	8351201	Gmdrm	hypo	CHG	-0.365
Gm19	8382228	8382405	Gmdrm	hypo	CHG	-0.3862
Gm19	8413653	8413817	Gmdrm	hypo	CHG	-0.311
Gm19	8414878	8414887	Gmdrm	hypo	CHG	-0.27
Gm19	8422372	8422494	Gmdrm	hypo	CHG	-0.2116
Gm19	8422608	8422782	Gmdrm	hypo	CHG	-0.0782
Gm19	8435867	8436093	Gmdrm	hypo	CHG	-0.31
Gm19	8499583	8499656	Gmdrm	hypo	CHG	-0.4929
Gm19	8522428	8523425	Gmdrm	hypo	CHG	-0.0833
Gm19	8537241	8537382	Gmdrm	hypo	CHG	-0.4187
Gm19	8538685	8539073	Gmdrm	hypo	CHG	-0.3825
Gm19	8539272	8539397	Gmdrm	hypo	CHG	-0.3014
Gm19	8539831	8539886	Gmdrm	hypo	CHG	-0.07
Gm19	8547086	8547225	Gmdrm	hypo	CHG	-0.7822
Gm19	8579561	8579870	Gmdrm	hypo	CHG	-0.3263
Gm19	8599754	8599827	Gmdrm	hypo	CHG	-0.6324
Gm19	8599942	8600166	Gmdrm	hypo	CHG	-0.7525
Gm19	8607949	8608110	Gmdrm	hypo	CHG	-0.4294
Gm19	8636115	8636203	Gmdrm	hypo	CHG	-0.428
Gm19	8639131	8639242	Gmdrm	hypo	CHG	-0.5288
Gm19	8684410	8684560	Gmdrm	hypo	CHG	-0.1311
Gm19	8685718	8685762	Gmdrm	hypo	CHG	-0.15
Gm19	8749421	8749748	Gmdrm	hypo	CHG	-0.2912
Gm19	8752609	8752981	Gmdrm	hypo	CHG	-0.2782
Gm19	8757593	8757740	Gmdrm	hypo	CHG	-0.4082
Gm19	8757965	8758120	Gmdrm	hypo	CHG	-0.515
Gm19	8759311	8759472	Gmdrm	hypo	CHG	-0.538
Gm19	8777052	8777275	Gmdrm	hypo	CHG	-0.1785
Gm19	8780580	8780751	Gmdrm	hypo	CHG	-0.22
Gm19	8782917	8783222	Gmdrm	hypo	CHG	-0.2479
Gm19	8797501	8798119	Gmdrm	hypo	CHG	-0.2882
Gm19	8847176	8847639	Gmdrm	hypo	CHG	-0.2437
Gm19	9001207	9001485	Gmdrm	hypo	CHG	-0.3571
Gm19	9023102	9023510	Gmdrm	hypo	CHG	-0.3416
Gm19	9023624	9023955	Gmdrm	hypo	CHG	-0.34
Gm19	9025413	9025687	Gmdrm	hypo	CHG	-0.6215
Gm19	9026126	9026204	Gmdrm	hypo	CHG	-0.838
Gm19	9026314	9026338	Gmdrm	hypo	CHG	-0.51

Gm19	9069394	9070281	Gmdrm	hypo	CHG	-0.2422
Gm19	9087406	9087640	Gmdrm	hypo	CHG	-0.0613
Gm19	9089316	9089350	Gmdrm	hypo	CHG	-0.348
Gm19	9089612	9089657	Gmdrm	hypo	CHG	-0.448
Gm19	9119357	9119483	Gmdrm	hypo	CHG	-0.9388
Gm19	9125669	9126125	Gmdrm	hypo	CHG	-0.3136
Gm19	9131790	9131964	Gmdrm	hypo	CHG	-0.305
Gm19	9201961	9202016	Gmdrm	hypo	CHG	-0.5633
Gm19	9271047	9271123	Gmdrm	hypo	CHG	-0.066
Gm19	9275258	9275505	Gmdrm	hypo	CHG	-0.1419
Gm19	9281206	9281436	Gmdrm	hypo	CHG	-0.48
Gm19	9281540	9281865	Gmdrm	hypo	CHG	-0.7424
Gm19	9281997	9282023	Gmdrm	hypo	CHG	-0.374
Gm19	9289532	9289740	Gmdrm	hypo	CHG	-0.6175
Gm19	9290628	9290988	Gmdrm	hypo	CHG	-0.166
Gm19	9311945	9312154	Gmdrm	hypo	CHG	-0.5651
Gm19	9348418	9348458	Gmdrm	hypo	CHG	-0.04
Gm19	9351803	9352320	Gmdrm	hypo	CHG	-0.0528
Gm19	9352438	9353403	Gmdrm	hypo	CHG	-0.227
Gm19	9353486	9353535	Gmdrm	hypo	CHG	-0.27
Gm19	9354404	9355047	Gmdrm	hypo	CHG	-0.2889
Gm19	9355165	9355519	Gmdrm	hypo	CHG	-0.22
Gm19	9355923	9356093	Gmdrm	hypo	CHG	-0.0715
Gm19	9392932	9393151	Gmdrm	hypo	CHG	-0.2962
Gm19	9393578	9393671	Gmdrm	hypo	CHG	-0.498
Gm19	9394055	9394174	Gmdrm	hypo	CHG	-0.3514
Gm19	9397156	9397371	Gmdrm	hypo	CHG	-0.28
Gm19	9398345	9398490	Gmdrm	hypo	CHG	-0.2443
Gm19	9574189	9574275	Gmdrm	hypo	CHG	-0.655
Gm19	9574432	9574816	Gmdrm	hypo	CHG	-0.43
Gm19	9574956	9575114	Gmdrm	hypo	CHG	-0.6934
Gm19	9575223	9575344	Gmdrm	hypo	CHG	-0.53
Gm19	9575563	9576326	Gmdrm	hypo	CHG	-0.561
Gm19	9576452	9576860	Gmdrm	hypo	CHG	-0.59
Gm19	9577008	9577325	Gmdrm	hypo	CHG	-0.6171
Gm19	9577434	9577851	Gmdrm	hypo	CHG	-0.628
Gm19	9578681	9579167	Gmdrm	hypo	CHG	-0.2983
Gm19	9579364	9579698	Gmdrm	hypo	CHG	-0.9463
Gm19	9586883	9587166	Gmdrm	hypo	CHG	-0.0391
Gm19	9590840	9590981	Gmdrm	hypo	CHG	-0.4534
Gm19	9591160	9591216	Gmdrm	hypo	CHG	-0.3267
Gm19	9714284	9714427	Gmdrm	hypo	CHG	-0.192
Gm19	9720312	9720440	Gmdrm	hypo	CHG	-0.4943
Gm19	9856160	9856675	Gmdrm	hypo	CHG	-0.4927
Gm19	10197512	10197573	Gmdrm	hypo	CHG	-0.2063
Gm19	10218319	10218586	Gmdrm	hypo	CHG	-0.2944

Gm19	10305881	10305913	Gmdrm	hypo	CHG	-0.236
Gm19	10434325	10435091	Gmdrm	hypo	CHG	-0.24
Gm19	10435200	10435556	Gmdrm	hypo	CHG	-0.3073
Gm19	10517427	10517981	Gmdrm	hypo	CHG	-0.3557
Gm19	10935691	10935776	Gmdrm	hypo	CHG	-0.044
Gm19	10937431	10937458	Gmdrm	hypo	CHG	-0.652
Gm19	10957322	10957371	Gmdrm	hypo	CHG	-0.657
Gm19	11208218	11208297	Gmdrm	hypo	CHG	-0.3669
Gm19	11210170	11210445	Gmdrm	hypo	CHG	-0.23
Gm19	11211160	11211279	Gmdrm	hypo	CHG	-0.2867
Gm19	11660113	11660314	Gmdrm	hypo	CHG	-0.2786
Gm19	11708085	11708433	Gmdrm	hypo	CHG	-0.2087
Gm19	11790831	11791109	Gmdrm	hypo	CHG	-0.2414
Gm19	11808877	11809295	Gmdrm	hypo	CHG	-0.2766
Gm19	12008918	12009603	Gmdrm	hypo	CHG	-0.2571
Gm19	12009762	12010271	Gmdrm	hypo	CHG	-0.0677
Gm19	12055567	12055854	Gmdrm	hypo	CHG	-0.118
Gm19	12058264	12058444	Gmdrm	hypo	CHG	-0.036
Gm19	12212488	12212787	Gmdrm	hypo	CHG	-0.0443
Gm19	12252364	12252487	Gmdrm	hypo	CHG	-0.3813
Gm19	12255045	12255156	Gmdrm	hypo	CHG	-0.814
Gm19	12256481	12256833	Gmdrm	hypo	CHG	-0.266
Gm19	12264295	12264932	Gmdrm	hypo	CHG	-0.3132
Gm19	12265089	12265338	Gmdrm	hypo	CHG	-0.6034
Gm19	12265486	12265615	Gmdrm	hypo	CHG	-0.6786
Gm19	12265730	12265906	Gmdrm	hypo	CHG	-0.2838
Gm19	12288978	12289082	Gmdrm	hypo	CHG	-0.1725
Gm19	12289283	12289413	Gmdrm	hypo	CHG	-0.6629
Gm19	12289627	12289906	Gmdrm	hypo	CHG	-0.776
Gm19	12311403	12311526	Gmdrm	hypo	CHG	-0.46
Gm19	12481323	12481711	Gmdrm	hypo	CHG	-0.367
Gm19	12482090	12482154	Gmdrm	hypo	CHG	-0.3467
Gm19	12576926	12576958	Gmdrm	hypo	CHG	-0.35
Gm19	13025785	13026107	Gmdrm	hypo	CHG	-0.23
Gm19	13067774	13067965	Gmdrm	hypo	CHG	-0.851
Gm19	13077956	13078165	Gmdrm	hypo	CHG	-0.4978
Gm19	13094248	13094462	Gmdrm	hypo	CHG	-0.6146
Gm19	13117901	13118236	Gmdrm	hypo	CHG	-0.2838
Gm19	13118360	13118601	Gmdrm	hypo	CHG	-0.319
Gm19	13118932	13119110	Gmdrm	hypo	CHG	-0.337
Gm19	13119567	13120113	Gmdrm	hypo	CHG	-0.2282
Gm19	13257973	13258073	Gmdrm	hypo	CHG	-0.5866
Gm19	13266740	13267709	Gmdrm	hypo	CHG	-0.1357
Gm19	13334011	13334075	Gmdrm	hypo	CHG	-0.508
Gm19	13334277	13334479	Gmdrm	hypo	CHG	-0.59
Gm19	13625985	13626025	Gmdrm	hypo	CHG	-0.7017

Gm19	13629643	13629838	Gmdrm	hypo	CHG	-0.2916
Gm19	13633626	13633668	Gmdrm	hypo	CHG	-0.2771
Gm19	13634704	13634798	Gmdrm	hypo	CHG	-0.3383
Gm19	13634928	13635019	Gmdrm	hypo	CHG	-0.6823
Gm19	13635172	13635312	Gmdrm	hypo	CHG	-0.5022
Gm19	13693705	13693929	Gmdrm	hypo	CHG	-0.2963
Gm19	13697412	13697920	Gmdrm	hypo	CHG	-0.6724
Gm19	13698045	13698113	Gmdrm	hypo	CHG	-0.6624
Gm19	13702393	13702602	Gmdrm	hypo	CHG	-0.3213
Gm19	13704930	13705156	Gmdrm	hypo	CHG	-0.4191
Gm19	13705509	13705711	Gmdrm	hypo	CHG	-0.385
Gm19	13714075	13714405	Gmdrm	hypo	CHG	-0.3466
Gm19	13738299	13738506	Gmdrm	hypo	CHG	-0.175
Gm19	13741050	13741440	Gmdrm	hypo	CHG	-0.2054
Gm19	13869882	13870155	Gmdrm	hypo	CHG	-0.161
Gm19	13995647	13995743	Gmdrm	hypo	CHG	-0.785
Gm19	14009315	14010245	Gmdrm	hypo	CHG	-0.1626
Gm19	14138707	14138807	Gmdrm	hypo	CHG	-0.744
Gm19	14421341	14421725	Gmdrm	hypo	CHG	-0.0727
Gm19	14719415	14719592	Gmdrm	hypo	CHG	-0.038
Gm19	14763922	14764119	Gmdrm	hypo	CHG	-0.032
Gm19	14868186	14869177	Gmdrm	hypo	CHG	-0.0812
Gm19	15147818	15148011	Gmdrm	hypo	CHG	-0.5463
Gm19	15148235	15148494	Gmdrm	hypo	CHG	-0.7445
Gm19	15206684	15206725	Gmdrm	hypo	CHG	-0.1933
Gm19	15311538	15311619	Gmdrm	hypo	CHG	-0.594
Gm19	15311741	15311816	Gmdrm	hypo	CHG	-0.5883
Gm19	15657471	15657536	Gmdrm	hypo	CHG	-0.412
Gm19	15661875	15662010	Gmdrm	hypo	CHG	-0.19
Gm19	15986870	15986919	Gmdrm	hypo	CHG	-0.635
Gm19	16014136	16014463	Gmdrm	hypo	CHG	-0.1422
Gm19	16140302	16140362	Gmdrm	hypo	CHG	-0.478
Gm19	16185614	16185654	Gmdrm	hypo	CHG	-0.06
Gm19	16543802	16544316	Gmdrm	hypo	CHG	-0.3737
Gm19	16550046	16550140	Gmdrm	hypo	CHG	-0.056
Gm19	16552066	16552140	Gmdrm	hypo	CHG	-0.314
Gm19	17831810	17832797	Gmdrm	hypo	CHG	-0.0609
Gm19	18072961	18073070	Gmdrm	hypo	CHG	-0.4815
Gm19	18075186	18075240	Gmdrm	hypo	CHG	-0.2634
Gm19	18075454	18075973	Gmdrm	hypo	CHG	-0.4084
Gm19	18112016	18112180	Gmdrm	hypo	CHG	-0.4225
Gm19	18419276	18419561	Gmdrm	hypo	CHG	-0.2178
Gm19	19154985	19154992	Gmdrm	hypo	CHG	-0.58
Gm19	19176715	19176957	Gmdrm	hypo	CHG	-0.3532
Gm19	19178324	19178490	Gmdrm	hypo	CHG	-0.054
Gm19	19206454	19206623	Gmdrm	hypo	CHG	-0.05

Gm19	19207313	19207956	Gmdrm	hypo	CHG	-0.0905
Gm19	19210459	19211358	Gmdrm	hypo	CHG	-0.1722
Gm19	19212392	19213100	Gmdrm	hypo	CHG	-0.2217
Gm19	19213491	19213664	Gmdrm	hypo	CHG	-0.2073
Gm19	19213984	19214152	Gmdrm	hypo	CHG	-0.2508
Gm19	19216852	19217184	Gmdrm	hypo	CHG	-0.3682
Gm19	19792202	19792492	Gmdrm	hypo	CHG	-0.026
Gm19	19912351	19912405	Gmdrm	hypo	CHG	-0.186
Gm19	20066866	20067026	Gmdrm	hypo	CHG	-0.109
Gm19	20187127	20187380	Gmdrm	hypo	CHG	-0.2363
Gm19	20507947	20508060	Gmdrm	hypo	CHG	-0.088
Gm19	20536798	20537091	Gmdrm	hypo	CHG	-0.4275
Gm19	20636560	20636669	Gmdrm	hypo	CHG	-0.5115
Gm19	20753612	20753790	Gmdrm	hypo	CHG	-0.1167
Gm19	21076489	21076557	Gmdrm	hypo	CHG	-0.7012
Gm19	21087568	21087675	Gmdrm	hypo	CHG	-0.9017
Gm19	21175415	21175620	Gmdrm	hypo	CHG	-0.4287
Gm19	21281024	21281127	Gmdrm	hypo	CHG	-0.622
Gm19	21284004	21284571	Gmdrm	hypo	CHG	-0.525
Gm19	21482828	21482975	Gmdrm	hypo	CHG	-0.4844
Gm19	21500325	21500385	Gmdrm	hypo	CHG	-0.2017
Gm19	21608084	21608265	Gmdrm	hypo	CHG	-0.3454
Gm19	21687521	21687658	Gmdrm	hypo	CHG	-0.5234
Gm19	21696509	21697443	Gmdrm	hypo	CHG	-0.1369
Gm19	21709745	21709985	Gmdrm	hypo	CHG	-0.4076
Gm19	21717118	21717540	Gmdrm	hypo	CHG	-0.4558
Gm19	22111809	22112804	Gmdrm	hypo	CHG	-0.1679
Gm19	22119500	22119628	Gmdrm	hypo	CHG	-0.7443
Gm19	22119939	22120115	Gmdrm	hypo	CHG	-0.046
Gm19	22121224	22121705	Gmdrm	hypo	CHG	-0.3166
Gm19	22188616	22188751	Gmdrm	hypo	CHG	-0.4356
Gm19	22421075	22421454	Gmdrm	hypo	CHG	-0.0277
Gm19	22425471	22425611	Gmdrm	hypo	CHG	-0.034
Gm19	22427723	22427877	Gmdrm	hypo	CHG	-0.726
Gm19	22494928	22495030	Gmdrm	hypo	CHG	-0.1186
Gm19	22628007	22628997	Gmdrm	hypo	CHG	-0.0927
Gm19	22653234	22653457	Gmdrm	hypo	CHG	-0.705
Gm19	22655660	22655728	Gmdrm	hypo	CHG	-0.488
Gm19	22674533	22674631	Gmdrm	hypo	CHG	-0.4167
Gm19	22674743	22674869	Gmdrm	hypo	CHG	-0.7725
Gm19	22974109	22974201	Gmdrm	hypo	CHG	-0.7467
Gm19	23080240	23080392	Gmdrm	hypo	CHG	-0.4443
Gm19	23101098	23101323	Gmdrm	hypo	CHG	-0.2578
Gm19	23146693	23147022	Gmdrm	hypo	CHG	-0.5421
Gm19	23398331	23398907	Gmdrm	hypo	CHG	-0.4576
Gm19	23399740	23399847	Gmdrm	hypo	CHG	-0.838

Gm19	23400206	23400359	Gmdrm	hypo	CHG	-0.7143
Gm19	23403568	23403686	Gmdrm	hypo	CHG	-0.6074
Gm19	23937954	23938919	Gmdrm	hypo	CHG	-0.1732
Gm19	23980157	23980274	Gmdrm	hypo	CHG	-0.176
Gm19	23988161	23989003	Gmdrm	hypo	CHG	-0.0398
Gm19	23993465	23993800	Gmdrm	hypo	CHG	-0.1323
Gm19	24004961	24005931	Gmdrm	hypo	CHG	-0.145
Gm19	24011272	24012270	Gmdrm	hypo	CHG	-0.1006
Gm19	24053213	24053608	Gmdrm	hypo	CHG	-0.1236
Gm19	24057189	24057630	Gmdrm	hypo	CHG	-0.2593
Gm19	24063328	24064290	Gmdrm	hypo	CHG	-0.1283
Gm19	24064562	24065513	Gmdrm	hypo	CHG	-0.164
Gm19	24068111	24069106	Gmdrm	hypo	CHG	-0.1987
Gm19	24069962	24070602	Gmdrm	hypo	CHG	-0.17
Gm19	24086049	24086993	Gmdrm	hypo	CHG	-0.1589
Gm19	24087471	24088438	Gmdrm	hypo	CHG	-0.1389
Gm19	24091383	24092350	Gmdrm	hypo	CHG	-0.2543
Gm19	24093442	24094440	Gmdrm	hypo	CHG	-0.1619
Gm19	24094446	24094903	Gmdrm	hypo	CHG	-0.1261
Gm19	24095065	24096042	Gmdrm	hypo	CHG	-0.1639
Gm19	24096481	24097480	Gmdrm	hypo	CHG	-0.204
Gm19	24097482	24098481	Gmdrm	hypo	CHG	-0.1927
Gm19	24098483	24099444	Gmdrm	hypo	CHG	-0.1716
Gm19	24102935	24103216	Gmdrm	hypo	CHG	-0.2
Gm19	24124759	24125056	Gmdrm	hypo	CHG	-0.3492
Gm19	24193993	24194231	Gmdrm	hypo	CHG	-0.2646
Gm19	24312547	24312707	Gmdrm	hypo	CHG	-0.3112
Gm19	24312825	24313053	Gmdrm	hypo	CHG	-0.6317
Gm19	24313270	24314198	Gmdrm	hypo	CHG	-0.668
Gm19	24314519	24314545	Gmdrm	hypo	CHG	-0.5486
Gm19	24314649	24314767	Gmdrm	hypo	CHG	-0.6125
Gm19	24552022	24552157	Gmdrm	hypo	CHG	-0.482
Gm19	24715383	24716124	Gmdrm	hypo	CHG	-0.6304
Gm19	24718932	24719027	Gmdrm	hypo	CHG	-0.56
Gm19	24986979	24987194	Gmdrm	hypo	CHG	-0.1322
Gm19	25016532	25016753	Gmdrm	hypo	CHG	-0.173
Gm19	25081637	25082446	Gmdrm	hypo	CHG	-0.1172
Gm19	25704887	25705137	Gmdrm	hypo	CHG	-0.3117
Gm19	25705296	25705412	Gmdrm	hypo	CHG	-0.8916
Gm19	25705597	25705934	Gmdrm	hypo	CHG	-0.7
Gm19	25844212	25844309	Gmdrm	hypo	CHG	-0.2415
Gm19	25874563	25874937	Gmdrm	hypo	CHG	-0.0974
Gm19	25887046	25887090	Gmdrm	hypo	CHG	-0.3667
Gm19	25892316	25892361	Gmdrm	hypo	CHG	-0.4
Gm19	25922221	25922380	Gmdrm	hypo	CHG	-0.293
Gm19	26006831	26006899	Gmdrm	hypo	CHG	-0.05

Gm19	26007869	26007926	Gmdrm	hypo	CHG	-0.044
Gm19	26009791	26009876	Gmdrm	hypo	CHG	-0.56
Gm19	26164239	26164429	Gmdrm	hypo	CHG	-0.5234
Gm19	26164965	26165448	Gmdrm	hypo	CHG	-0.4933
Gm19	26168360	26168591	Gmdrm	hypo	CHG	-0.0923
Gm19	26168767	26169140	Gmdrm	hypo	CHG	-0.1381
Gm19	26545442	26545743	Gmdrm	hypo	CHG	-0.2187
Gm19	26609445	26609556	Gmdrm	hypo	CHG	-0.6525
Gm19	26611264	26611438	Gmdrm	hypo	CHG	-0.118
Gm19	26704535	26704898	Gmdrm	hypo	CHG	-0.4034
Gm19	26769828	26769877	Gmdrm	hypo	CHG	-0.2817
Gm19	26984027	26984191	Gmdrm	hypo	CHG	-0.1925
Gm19	27330947	27331602	Gmdrm	hypo	CHG	-0.2716
Gm19	27458480	27458558	Gmdrm	hypo	CHG	-0.1412
Gm19	27474003	27474147	Gmdrm	hypo	CHG	-0.3887
Gm19	27485182	27485236	Gmdrm	hypo	CHG	-0.395
Gm19	27517683	27517846	Gmdrm	hypo	CHG	-0.0391
Gm19	27523464	27523689	Gmdrm	hypo	CHG	-0.266
Gm19	27531635	27531646	Gmdrm	hypo	CHG	-0.524
Gm19	27539414	27539465	Gmdrm	hypo	CHG	-0.6087
Gm19	27539618	27539789	Gmdrm	hypo	CHG	-0.4969
Gm19	27542017	27542133	Gmdrm	hypo	CHG	-0.4525
Gm19	27542271	27542539	Gmdrm	hypo	CHG	-0.3584
Gm19	27548659	27548933	Gmdrm	hypo	CHG	-0.335
Gm19	27563832	27563972	Gmdrm	hypo	CHG	-0.4534
Gm19	27565060	27565123	Gmdrm	hypo	CHG	-0.7333
Gm19	27565224	27565238	Gmdrm	hypo	CHG	-0.708
Gm19	27585942	27586021	Gmdrm	hypo	CHG	-0.1283
Gm19	27587656	27587914	Gmdrm	hypo	CHG	-0.3623
Gm19	27611428	27611584	Gmdrm	hypo	CHG	-0.358
Gm19	27611843	27612398	Gmdrm	hypo	CHG	-0.6962
Gm19	27615044	27615301	Gmdrm	hypo	CHG	-0.5069
Gm19	27622306	27622487	Gmdrm	hypo	CHG	-0.6033
Gm19	27626542	27626809	Gmdrm	hypo	CHG	-0.357
Gm19	27690589	27690708	Gmdrm	hypo	CHG	-0.4043
Gm19	27729141	27729655	Gmdrm	hypo	CHG	-0.1556
Gm19	27735297	27735354	Gmdrm	hypo	CHG	-0.568
Gm19	27736873	27737004	Gmdrm	hypo	CHG	-0.491
Gm19	27737317	27737355	Gmdrm	hypo	CHG	-0.418
Gm19	27749704	27749743	Gmdrm	hypo	CHG	-0.31
Gm19	27777157	27777384	Gmdrm	hypo	CHG	-0.8028
Gm19	27821122	27821235	Gmdrm	hypo	CHG	-0.3164
Gm19	27821584	27821681	Gmdrm	hypo	CHG	-0.6537
Gm19	27821854	27822439	Gmdrm	hypo	CHG	-0.6466
Gm19	27829471	27829683	Gmdrm	hypo	CHG	-0.6383
Gm19	27892297	27892349	Gmdrm	hypo	CHG	-0.04

Gm19	27915019	27915146	Gmdrm	hypo	CHG	-0.697
Gm19	27916405	27916738	Gmdrm	hypo	CHG	-0.7586
Gm19	27916912	27917113	Gmdrm	hypo	CHG	-0.2895
Gm19	27918885	27919846	Gmdrm	hypo	CHG	-0.1583
Gm19	27930330	27930466	Gmdrm	hypo	CHG	-0.275
Gm19	27945826	27945847	Gmdrm	hypo	CHG	-0.422
Gm19	27952754	27952827	Gmdrm	hypo	CHG	-0.272
Gm19	27984670	27984942	Gmdrm	hypo	CHG	-0.407
Gm19	28029586	28029734	Gmdrm	hypo	CHG	-0.3058
Gm19	28029852	28030014	Gmdrm	hypo	CHG	-0.8446
Gm19	28036296	28036623	Gmdrm	hypo	CHG	-0.4566
Gm19	28037452	28037709	Gmdrm	hypo	CHG	-0.22
Gm19	28098841	28099075	Gmdrm	hypo	CHG	-0.8682
Gm19	28102593	28102691	Gmdrm	hypo	CHG	-0.68
Gm19	28107717	28107780	Gmdrm	hypo	CHG	-0.4183
Gm19	28167492	28167713	Gmdrm	hypo	CHG	-0.7753
Gm19	28170671	28170778	Gmdrm	hypo	CHG	-0.6484
Gm19	28171038	28171143	Gmdrm	hypo	CHG	-0.4011
Gm19	28173740	28173860	Gmdrm	hypo	CHG	-0.5857
Gm19	28174263	28174896	Gmdrm	hypo	CHG	-0.275
Gm19	28178655	28179360	Gmdrm	hypo	CHG	-0.3811
Gm19	28211597	28211623	Gmdrm	hypo	CHG	-0.0657
Gm19	28213020	28213106	Gmdrm	hypo	CHG	-0.7018
Gm19	28213216	28213360	Gmdrm	hypo	CHG	-0.6429
Gm19	28216030	28216162	Gmdrm	hypo	CHG	-0.562
Gm19	28216665	28216843	Gmdrm	hypo	CHG	-0.3937
Gm19	28217094	28217114	Gmdrm	hypo	CHG	-0.684
Gm19	28243908	28244284	Gmdrm	hypo	CHG	-0.4309
Gm19	28244616	28244932	Gmdrm	hypo	CHG	-0.4212
Gm19	28259797	28259833	Gmdrm	hypo	CHG	-0.0483
Gm19	28271830	28272536	Gmdrm	hypo	CHG	-0.368
Gm19	28276997	28277794	Gmdrm	hypo	CHG	-0.2246
Gm19	28404340	28404594	Gmdrm	hypo	CHG	-0.49
Gm19	28433659	28433737	Gmdrm	hypo	CHG	-0.55
Gm19	28433841	28433921	Gmdrm	hypo	CHG	-0.4871
Gm19	28434448	28434634	Gmdrm	hypo	CHG	-0.234
Gm19	28443924	28443975	Gmdrm	hypo	CHG	-0.2471
Gm19	28448664	28448730	Gmdrm	hypo	CHG	-0.62
Gm19	28470251	28470575	Gmdrm	hypo	CHG	-0.0509
Gm19	28478102	28478292	Gmdrm	hypo	CHG	-0.5937
Gm19	28480732	28481726	Gmdrm	hypo	CHG	-0.0774
Gm19	28483111	28483992	Gmdrm	hypo	CHG	-0.2265
Gm19	28499162	28499388	Gmdrm	hypo	CHG	-0.1189
Gm19	28504159	28504443	Gmdrm	hypo	CHG	-0.7222
Gm19	28529181	28529215	Gmdrm	hypo	CHG	-0.76
Gm19	28570689	28571127	Gmdrm	hypo	CHG	-0.295

Gm19	28576650	28576963	Gmdrm	hypo	CHG	-0.2133
Gm19	28594998	28595039	Gmdrm	hypo	CHG	-0.75
Gm19	28663408	28663496	Gmdrm	hypo	CHG	-0.6567
Gm19	28677882	28678036	Gmdrm	hypo	CHG	-0.3733
Gm19	28701615	28702231	Gmdrm	hypo	CHG	-0.12
Gm19	28788387	28788430	Gmdrm	hypo	CHG	-0.0733
Gm19	28930726	28931008	Gmdrm	hypo	CHG	-0.1091
Gm19	28933012	28933143	Gmdrm	hypo	CHG	-0.0629
Gm19	29016897	29016922	Gmdrm	hypo	CHG	-0.565
Gm19	29018272	29018383	Gmdrm	hypo	CHG	-0.3538
Gm19	29192081	29192307	Gmdrm	hypo	CHG	-0.1456
Gm19	29242484	29242999	Gmdrm	hypo	CHG	-0.2936
Gm19	29292632	29292992	Gmdrm	hypo	CHG	-0.2932
Gm19	29294063	29294433	Gmdrm	hypo	CHG	-0.2788
Gm19	29297937	29298041	Gmdrm	hypo	CHG	-0.064
Gm19	29420560	29420640	Gmdrm	hypo	CHG	-0.706
Gm19	29502444	29502571	Gmdrm	hypo	CHG	-0.725
Gm19	29515185	29515342	Gmdrm	hypo	CHG	-0.4483
Gm19	29558707	29559040	Gmdrm	hypo	CHG	-0.8784
Gm19	29622503	29622666	Gmdrm	hypo	CHG	-0.6445
Gm19	29623992	29624104	Gmdrm	hypo	CHG	-0.6217
Gm19	29629774	29629964	Gmdrm	hypo	CHG	-0.1922
Gm19	29755329	29755600	Gmdrm	hypo	CHG	-0.6495
Gm19	29755760	29755985	Gmdrm	hypo	CHG	-0.745
Gm19	29756265	29756515	Gmdrm	hypo	CHG	-0.5328
Gm19	29757619	29757775	Gmdrm	hypo	CHG	-0.1943
Gm19	29763356	29763547	Gmdrm	hypo	CHG	-0.3963
Gm19	29828441	29828479	Gmdrm	hypo	CHG	-0.1214
Gm19	29837253	29837626	Gmdrm	hypo	CHG	-0.2784
Gm19	29845378	29845499	Gmdrm	hypo	CHG	-0.3313
Gm19	29855533	29856049	Gmdrm	hypo	CHG	-0.6567
Gm19	29856161	29856209	Gmdrm	hypo	CHG	-0.545
Gm19	29858151	29858290	Gmdrm	hypo	CHG	-0.6684
Gm19	30030513	30030889	Gmdrm	hypo	CHG	-0.1662
Gm19	30190555	30190746	Gmdrm	hypo	CHG	-0.0892
Gm19	30191186	30191340	Gmdrm	hypo	CHG	-0.4985
Gm19	30224295	30224344	Gmdrm	hypo	CHG	-0.586
Gm19	30237712	30238424	Gmdrm	hypo	CHG	-0.13
Gm19	30292833	30292957	Gmdrm	hypo	CHG	-0.6328
Gm19	30294606	30294685	Gmdrm	hypo	CHG	-0.696
Gm19	30295015	30295048	Gmdrm	hypo	CHG	-0.7567
Gm19	30297379	30297473	Gmdrm	hypo	CHG	-0.4573
Gm19	30328614	30329002	Gmdrm	hypo	CHG	-0.3487
Gm19	30329792	30329994	Gmdrm	hypo	CHG	-0.2833
Gm19	30330350	30330474	Gmdrm	hypo	CHG	-0.4822
Gm19	30386913	30387179	Gmdrm	hypo	CHG	-0.3527

Gm19	30389101	30389152	Gmdrm	hypo	CHG	-0.526
Gm19	30389321	30389396	Gmdrm	hypo	CHG	-0.3329
Gm19	30409171	30409342	Gmdrm	hypo	CHG	-0.3489
Gm19	30439941	30440212	Gmdrm	hypo	CHG	-0.3293
Gm19	30465297	30465489	Gmdrm	hypo	CHG	-0.6691
Gm19	30476015	30476268	Gmdrm	hypo	CHG	-0.1133
Gm19	30478940	30479088	Gmdrm	hypo	CHG	-0.3283
Gm19	30479202	30479392	Gmdrm	hypo	CHG	-0.4467
Gm19	30562271	30562461	Gmdrm	hypo	CHG	-0.4112
Gm19	30563032	30563128	Gmdrm	hypo	CHG	-0.3634
Gm19	30564982	30565077	Gmdrm	hypo	CHG	-0.2633
Gm19	30566537	30566672	Gmdrm	hypo	CHG	-0.204
Gm19	30572010	30572257	Gmdrm	hypo	CHG	-0.068
Gm19	30595514	30595609	Gmdrm	hypo	CHG	-0.0275
Gm19	30599125	30599567	Gmdrm	hypo	CHG	-0.7211
Gm19	30616979	30617195	Gmdrm	hypo	CHG	-0.7245
Gm19	30617356	30617467	Gmdrm	hypo	CHG	-0.51
Gm19	30623057	30623129	Gmdrm	hypo	CHG	-0.7085
Gm19	30623363	30623622	Gmdrm	hypo	CHG	-0.1867
Gm19	30637825	30638174	Gmdrm	hypo	CHG	-0.6652
Gm19	30638300	30638401	Gmdrm	hypo	CHG	-0.5783
Gm19	30640439	30640631	Gmdrm	hypo	CHG	-0.5195
Gm19	30641803	30641943	Gmdrm	hypo	CHG	-0.155
Gm19	30642701	30642910	Gmdrm	hypo	CHG	-0.7975
Gm19	30643045	30643191	Gmdrm	hypo	CHG	-0.6591
Gm19	30643333	30643546	Gmdrm	hypo	CHG	-0.439
Gm19	30643700	30643821	Gmdrm	hypo	CHG	-0.6016
Gm19	30656911	30657207	Gmdrm	hypo	CHG	-0.2242
Gm19	30707705	30707869	Gmdrm	hypo	CHG	-0.214
Gm19	30719373	30719722	Gmdrm	hypo	CHG	-0.334
Gm19	30719851	30720041	Gmdrm	hypo	CHG	-0.5433
Gm19	30720150	30720357	Gmdrm	hypo	CHG	-0.2763
Gm19	30720977	30721213	Gmdrm	hypo	CHG	-0.2287
Gm19	30721469	30721726	Gmdrm	hypo	CHG	-0.337
Gm19	30721902	30722676	Gmdrm	hypo	CHG	-0.6803
Gm19	30722854	30723199	Gmdrm	hypo	CHG	-0.6543
Gm19	30746701	30746921	Gmdrm	hypo	CHG	-0.8845
Gm19	30747335	30747497	Gmdrm	hypo	CHG	-0.705
Gm19	30748035	30748341	Gmdrm	hypo	CHG	-0.83
Gm19	30766829	30766886	Gmdrm	hypo	CHG	-0.5167
Gm19	30825870	30826100	Gmdrm	hypo	CHG	-0.3517
Gm19	30862812	30862990	Gmdrm	hypo	CHG	-0.1872
Gm19	30863344	30863501	Gmdrm	hypo	CHG	-0.5754
Gm19	30895307	30895729	Gmdrm	hypo	CHG	-0.2545
Gm19	30895860	30896144	Gmdrm	hypo	CHG	-0.1965
Gm19	30901908	30902109	Gmdrm	hypo	CHG	-0.8695

Gm19	30902264	30902464	Gmdrm	hypo	CHG	-0.8822
Gm19	30907701	30907871	Gmdrm	hypo	CHG	-0.0513
Gm19	30946913	30947138	Gmdrm	hypo	CHG	-0.0879
Gm19	30947282	30947327	Gmdrm	hypo	CHG	-0.4325
Gm19	30962480	30962603	Gmdrm	hypo	CHG	-0.2316
Gm19	30962747	30963239	Gmdrm	hypo	CHG	-0.6352
Gm19	31067211	31067582	Gmdrm	hypo	CHG	-0.1093
Gm19	31068568	31069279	Gmdrm	hypo	CHG	-0.4455
Gm19	31070699	31071066	Gmdrm	hypo	CHG	-0.3985
Gm19	31071364	31071451	Gmdrm	hypo	CHG	-0.034
Gm19	31076382	31076498	Gmdrm	hypo	CHG	-0.325
Gm19	31106763	31107536	Gmdrm	hypo	CHG	-0.5228
Gm19	31168637	31169022	Gmdrm	hypo	CHG	-0.38
Gm19	31172696	31172978	Gmdrm	hypo	CHG	-0.2384
Gm19	31173310	31173460	Gmdrm	hypo	CHG	-0.6175
Gm19	31195579	31195699	Gmdrm	hypo	CHG	-0.024
Gm19	31253724	31253794	Gmdrm	hypo	CHG	-0.16
Gm19	31275113	31275243	Gmdrm	hypo	CHG	-0.1384
Gm19	31280097	31280230	Gmdrm	hypo	CHG	-0.1639
Gm19	31315428	31315542	Gmdrm	hypo	CHG	-0.464
Gm19	31361193	31361284	Gmdrm	hypo	CHG	-0.62
Gm19	31431128	31431361	Gmdrm	hypo	CHG	-0.2686
Gm19	31548824	31548857	Gmdrm	hypo	CHG	-0.056
Gm19	31548993	31549178	Gmdrm	hypo	CHG	-0.0414
Gm19	31562230	31562339	Gmdrm	hypo	CHG	-0.242
Gm19	31587467	31587851	Gmdrm	hypo	CHG	-0.3759
Gm19	31591101	31591363	Gmdrm	hypo	CHG	-0.5285
Gm19	31591894	31592456	Gmdrm	hypo	CHG	-0.2167
Gm19	31596837	31596976	Gmdrm	hypo	CHG	-0.524
Gm19	31710792	31711021	Gmdrm	hypo	CHG	-0.3617
Gm19	31724294	31724436	Gmdrm	hypo	CHG	-0.2571
Gm19	31724739	31724865	Gmdrm	hypo	CHG	-0.563
Gm19	31734761	31735318	Gmdrm	hypo	CHG	-0.2693
Gm19	31738180	31738267	Gmdrm	hypo	CHG	-0.1638
Gm19	31740972	31741063	Gmdrm	hypo	CHG	-0.26
Gm19	31751477	31751635	Gmdrm	hypo	CHG	-0.395
Gm19	31754937	31755174	Gmdrm	hypo	CHG	-0.1546
Gm19	31755907	31756227	Gmdrm	hypo	CHG	-0.4953
Gm19	31821873	31822176	Gmdrm	hypo	CHG	-0.5475
Gm19	31842351	31842504	Gmdrm	hypo	CHG	-0.162
Gm19	31887404	31887734	Gmdrm	hypo	CHG	-0.3815
Gm19	31892630	31892739	Gmdrm	hypo	CHG	-0.61
Gm19	31923721	31923768	Gmdrm	hypo	CHG	-0.85
Gm19	31928191	31928203	Gmdrm	hypo	CHG	-0.4917
Gm19	31933334	31934032	Gmdrm	hypo	CHG	-0.2803
Gm19	31935432	31935734	Gmdrm	hypo	CHG	-0.0525

Gm19	32102029	32102059	Gmdrm	hypo	CHG	-0.795
Gm19	32102182	32102221	Gmdrm	hypo	CHG	-0.682
Gm19	32116007	32116401	Gmdrm	hypo	CHG	-0.3947
Gm19	32117192	32117299	Gmdrm	hypo	CHG	-0.2383
Gm19	32145353	32145406	Gmdrm	hypo	CHG	-0.03
Gm19	32150909	32151004	Gmdrm	hypo	CHG	-0.7933
Gm19	32155042	32155178	Gmdrm	hypo	CHG	-0.2788
Gm19	32217317	32217936	Gmdrm	hypo	CHG	-0.2147
Gm19	32222348	32222483	Gmdrm	hypo	CHG	-0.4462
Gm19	32222710	32222980	Gmdrm	hypo	CHG	-0.7036
Gm19	32333594	32333867	Gmdrm	hypo	CHG	-0.1808
Gm19	32351556	32351853	Gmdrm	hypo	CHG	-0.0602
Gm19	32368220	32368360	Gmdrm	hypo	CHG	-0.3411
Gm19	32368510	32368634	Gmdrm	hypo	CHG	-0.0857
Gm19	32431851	32431893	Gmdrm	hypo	CHG	-0.0967
Gm19	32432210	32432284	Gmdrm	hypo	CHG	-0.32
Gm19	32484618	32484790	Gmdrm	hypo	CHG	-0.51
Gm19	32525603	32526592	Gmdrm	hypo	CHG	-0.191
Gm19	32551465	32551577	Gmdrm	hypo	CHG	-0.214
Gm19	32594265	32594492	Gmdrm	hypo	CHG	-0.345
Gm19	32594728	32594874	Gmdrm	hypo	CHG	-0.8012
Gm19	32698554	32698933	Gmdrm	hypo	CHG	-0.247
Gm19	32739250	32739648	Gmdrm	hypo	CHG	-0.5214
Gm19	32739918	32740060	Gmdrm	hypo	CHG	-0.5386
Gm19	32788525	32788678	Gmdrm	hypo	CHG	-0.7819
Gm19	32789037	32789112	Gmdrm	hypo	CHG	-0.6111
Gm19	32789954	32790196	Gmdrm	hypo	CHG	-0.2031
Gm19	32846397	32846773	Gmdrm	hypo	CHG	-0.6595
Gm19	32876799	32876953	Gmdrm	hypo	CHG	-0.05
Gm19	32945252	32945342	Gmdrm	hypo	CHG	-0.1413
Gm19	32950616	32950959	Gmdrm	hypo	CHG	-0.3144
Gm19	33096027	33096394	Gmdrm	hypo	CHG	-0.4062
Gm19	33232100	33232252	Gmdrm	hypo	CHG	-0.68
Gm19	33235355	33235633	Gmdrm	hypo	CHG	-0.2962
Gm19	33240040	33240467	Gmdrm	hypo	CHG	-0.3359
Gm19	33406288	33406358	Gmdrm	hypo	CHG	-0.3283
Gm19	33470999	33471051	Gmdrm	hypo	CHG	-0.1467
Gm19	33471196	33471524	Gmdrm	hypo	CHG	-0.2993
Gm19	33476072	33476290	Gmdrm	hypo	CHG	-0.2956
Gm19	33478330	33478491	Gmdrm	hypo	CHG	-0.4443
Gm19	33478959	33479212	Gmdrm	hypo	CHG	-0.645
Gm19	33500967	33501190	Gmdrm	hypo	CHG	-0.6737
Gm19	33502238	33502317	Gmdrm	hypo	CHG	-0.67
Gm19	33502428	33502726	Gmdrm	hypo	CHG	-0.747
Gm19	33525792	33525882	Gmdrm	hypo	CHG	-0.6466
Gm19	33584107	33584343	Gmdrm	hypo	CHG	-0.5316

Gm19	33684676	33685152	Gmdrm	hypo	CHG	-0.5122
Gm19	33696186	33696491	Gmdrm	hypo	CHG	-0.031
Gm19	33700313	33700365	Gmdrm	hypo	CHG	-0.7137
Gm19	33700547	33700635	Gmdrm	hypo	CHG	-0.5075
Gm19	33756054	33756280	Gmdrm	hypo	CHG	-0.2764
Gm19	33812737	33812770	Gmdrm	hypo	CHG	-0.78
Gm19	33814524	33814606	Gmdrm	hypo	CHG	-0.3272
Gm19	33814757	33815122	Gmdrm	hypo	CHG	-0.4225
Gm19	33837027	33837363	Gmdrm	hypo	CHG	-0.4594
Gm19	33921777	33921971	Gmdrm	hypo	CHG	-0.5646
Gm19	33929336	33929533	Gmdrm	hypo	CHG	-0.0759
Gm19	33951213	33951324	Gmdrm	hypo	CHG	-0.2955
Gm19	33994158	33994530	Gmdrm	hypo	CHG	-0.1188
Gm19	34016562	34016638	Gmdrm	hypo	CHG	-0.4183
Gm19	34033946	34034237	Gmdrm	hypo	CHG	-0.2978
Gm19	34074080	34074302	Gmdrm	hypo	CHG	-0.3475
Gm19	34079816	34079971	Gmdrm	hypo	CHG	-0.0667
Gm19	34091330	34091871	Gmdrm	hypo	CHG	-0.5464
Gm19	34093385	34093613	Gmdrm	hypo	CHG	-0.6591
Gm19	34094714	34094915	Gmdrm	hypo	CHG	-0.495
Gm19	34095486	34095741	Gmdrm	hypo	CHG	-0.51
Gm19	34099243	34099306	Gmdrm	hypo	CHG	-0.542
Gm19	34100245	34100360	Gmdrm	hypo	CHG	-0.6267
Gm19	34176782	34176928	Gmdrm	hypo	CHG	-0.5816
Gm19	34177384	34177478	Gmdrm	hypo	CHG	-0.124
Gm19	34177904	34178016	Gmdrm	hypo	CHG	-0.2544
Gm19	34178672	34178848	Gmdrm	hypo	CHG	-0.5143
Gm19	34179050	34179098	Gmdrm	hypo	CHG	-0.12
Gm19	34183439	34183692	Gmdrm	hypo	CHG	-0.3275
Gm19	34190923	34191405	Gmdrm	hypo	CHG	-0.4675
Gm19	34197999	34198273	Gmdrm	hypo	CHG	-0.4627
Gm19	34204189	34204447	Gmdrm	hypo	CHG	-0.3485
Gm19	34206769	34206947	Gmdrm	hypo	CHG	-0.4685
Gm19	34246706	34246791	Gmdrm	hypo	CHG	-0.26
Gm19	34257878	34257992	Gmdrm	hypo	CHG	-0.555
Gm19	34259226	34259347	Gmdrm	hypo	CHG	-0.279
Gm19	34265117	34265256	Gmdrm	hypo	CHG	-0.08
Gm19	34268207	34268564	Gmdrm	hypo	CHG	-0.3132
Gm19	34308673	34308887	Gmdrm	hypo	CHG	-0.2383
Gm19	34311134	34311326	Gmdrm	hypo	CHG	-0.584
Gm19	34335136	34335153	Gmdrm	hypo	CHG	-0.46
Gm19	34344867	34344941	Gmdrm	hypo	CHG	-0.3167
Gm19	34399321	34400053	Gmdrm	hypo	CHG	-0.2071
Gm19	34400507	34401505	Gmdrm	hypo	CHG	-0.3889
Gm19	34416820	34416978	Gmdrm	hypo	CHG	-0.6791
Gm19	34423674	34423707	Gmdrm	hypo	CHG	-0.525

Gm19	34426646	34426989	Gmdrm	hypo	CHG	-0.3607
Gm19	34442026	34442967	Gmdrm	hypo	CHG	-0.3317
Gm19	34445968	34446089	Gmdrm	hypo	CHG	-0.5686
Gm19	34486726	34486934	Gmdrm	hypo	CHG	-0.6559
Gm19	34487040	34487154	Gmdrm	hypo	CHG	-0.52
Gm19	34487269	34487389	Gmdrm	hypo	CHG	-0.693
Gm19	34487605	34487828	Gmdrm	hypo	CHG	-0.3791
Gm19	34488041	34488059	Gmdrm	hypo	CHG	-0.06
Gm19	34503622	34503971	Gmdrm	hypo	CHG	-0.516
Gm19	34512281	34512389	Gmdrm	hypo	CHG	-0.6226
Gm19	34527169	34527272	Gmdrm	hypo	CHG	-0.1986
Gm19	34527456	34527652	Gmdrm	hypo	CHG	-0.779
Gm19	34530507	34530626	Gmdrm	hypo	CHG	-0.4943
Gm19	34530865	34530990	Gmdrm	hypo	CHG	-0.36
Gm19	34534361	34534493	Gmdrm	hypo	CHG	-0.202
Gm19	34536699	34536919	Gmdrm	hypo	CHG	-0.151
Gm19	34546551	34546816	Gmdrm	hypo	CHG	-0.2854
Gm19	34634643	34634980	Gmdrm	hypo	CHG	-0.1406
Gm19	34639936	34640019	Gmdrm	hypo	CHG	-0.0986
Gm19	34644618	34644942	Gmdrm	hypo	CHG	-0.4395
Gm19	34646640	34646730	Gmdrm	hypo	CHG	-0.3856
Gm19	34671069	34671238	Gmdrm	hypo	CHG	-0.65
Gm19	34671428	34671484	Gmdrm	hypo	CHG	-0.366
Gm19	34672159	34672426	Gmdrm	hypo	CHG	-0.1589
Gm19	34674607	34674888	Gmdrm	hypo	CHG	-0.0631
Gm19	34674990	34675290	Gmdrm	hypo	CHG	-0.2827
Gm19	34684443	34684534	Gmdrm	hypo	CHG	-0.786
Gm19	34690332	34690589	Gmdrm	hypo	CHG	-0.667
Gm19	34692738	34692941	Gmdrm	hypo	CHG	-0.06
Gm19	34715164	34715250	Gmdrm	hypo	CHG	-0.685
Gm19	34718224	34718324	Gmdrm	hypo	CHG	-0.508
Gm19	34749755	34749838	Gmdrm	hypo	CHG	-0.1012
Gm19	34774496	34774647	Gmdrm	hypo	CHG	-0.2129
Gm19	34777158	34777604	Gmdrm	hypo	CHG	-0.2995
Gm19	34781416	34781592	Gmdrm	hypo	CHG	-0.194
Gm19	34792876	34793009	Gmdrm	hypo	CHG	-0.5524
Gm19	34824440	34824565	Gmdrm	hypo	CHG	-0.2515
Gm19	34847114	34847551	Gmdrm	hypo	CHG	-0.0387
Gm19	34856628	34856793	Gmdrm	hypo	CHG	-0.2713
Gm19	34904873	34904946	Gmdrm	hypo	CHG	-0.3611
Gm19	34907494	34908008	Gmdrm	hypo	CHG	-0.3148
Gm19	34908120	34908280	Gmdrm	hypo	CHG	-0.046
Gm19	34921533	34921665	Gmdrm	hypo	CHG	-0.363
Gm19	34921894	34922083	Gmdrm	hypo	CHG	-0.4811
Gm19	34932845	34932992	Gmdrm	hypo	CHG	-0.338
Gm19	34933436	34933533	Gmdrm	hypo	CHG	-0.233

Gm19	34939379	34939882	Gmdrm	hypo	CHG	-0.4064
Gm19	34977211	34977368	Gmdrm	hypo	CHG	-0.5957
Gm19	34977693	34977980	Gmdrm	hypo	CHG	-0.7364
Gm19	34978118	34978256	Gmdrm	hypo	CHG	-0.7575
Gm19	34987645	34987877	Gmdrm	hypo	CHG	-0.5289
Gm19	34990639	34990803	Gmdrm	hypo	CHG	-0.6472
Gm19	34996498	34996878	Gmdrm	hypo	CHG	-0.7177
Gm19	35001192	35001323	Gmdrm	hypo	CHG	-0.6451
Gm19	35005920	35006130	Gmdrm	hypo	CHG	-0.5937
Gm19	35007604	35007717	Gmdrm	hypo	CHG	-0.5714
Gm19	35015444	35015589	Gmdrm	hypo	CHG	-0.6667
Gm19	35018905	35019000	Gmdrm	hypo	CHG	-0.046
Gm19	35023617	35023670	Gmdrm	hypo	CHG	-0.2472
Gm19	35027520	35027885	Gmdrm	hypo	CHG	-0.563
Gm19	35028014	35028040	Gmdrm	hypo	CHG	-0.5633
Gm19	35028593	35028873	Gmdrm	hypo	CHG	-0.5835
Gm19	35030518	35030707	Gmdrm	hypo	CHG	-0.838
Gm19	35055477	35055768	Gmdrm	hypo	CHG	-0.2945
Gm19	35067915	35068014	Gmdrm	hypo	CHG	-0.266
Gm19	35075109	35075303	Gmdrm	hypo	CHG	-0.8334
Gm19	35076395	35076555	Gmdrm	hypo	CHG	-0.08
Gm19	35081427	35081580	Gmdrm	hypo	CHG	-0.0362
Gm19	35091031	35091250	Gmdrm	hypo	CHG	-0.8169
Gm19	35091510	35091706	Gmdrm	hypo	CHG	-0.6278
Gm19	35096493	35096633	Gmdrm	hypo	CHG	-0.4433
Gm19	35101748	35101929	Gmdrm	hypo	CHG	-0.5157
Gm19	35131099	35131125	Gmdrm	hypo	CHG	-0.724
Gm19	35131932	35132421	Gmdrm	hypo	CHG	-0.3974
Gm19	35132654	35132881	Gmdrm	hypo	CHG	-0.8548
Gm19	35150436	35150605	Gmdrm	hypo	CHG	-0.4369
Gm19	35152354	35152437	Gmdrm	hypo	CHG	-0.1716
Gm19	35152624	35152737	Gmdrm	hypo	CHG	-0.4825
Gm19	35159953	35159975	Gmdrm	hypo	CHG	-0.6984
Gm19	35167128	35167425	Gmdrm	hypo	CHG	-0.3145
Gm19	35185172	35185276	Gmdrm	hypo	CHG	-0.6067
Gm19	35210307	35210387	Gmdrm	hypo	CHG	-0.758
Gm19	35211556	35211773	Gmdrm	hypo	CHG	-0.0333
Gm19	35221300	35221851	Gmdrm	hypo	CHG	-0.613
Gm19	35244815	35245028	Gmdrm	hypo	CHG	-0.76
Gm19	35245524	35245713	Gmdrm	hypo	CHG	-0.345
Gm19	35245966	35246047	Gmdrm	hypo	CHG	-0.4367
Gm19	35246258	35246355	Gmdrm	hypo	CHG	-0.495
Gm19	35246672	35247139	Gmdrm	hypo	CHG	-0.4785
Gm19	35247252	35247592	Gmdrm	hypo	CHG	-0.5254
Gm19	35253860	35254122	Gmdrm	hypo	CHG	-0.148
Gm19	35254253	35255248	Gmdrm	hypo	CHG	-0.08

Gm19	35255533	35255697	Gmdrm	hypo	CHG	-0.34
Gm19	35262835	35262976	Gmdrm	hypo	CHG	-0.666
Gm19	35270851	35271017	Gmdrm	hypo	CHG	-0.0637
Gm19	35312902	35312957	Gmdrm	hypo	CHG	-0.406
Gm19	35317855	35318157	Gmdrm	hypo	CHG	-0.0529
Gm19	35334630	35334828	Gmdrm	hypo	CHG	-0.057
Gm19	35348883	35349083	Gmdrm	hypo	CHG	-0.189
Gm19	35354040	35354204	Gmdrm	hypo	CHG	-0.3962
Gm19	35390092	35390708	Gmdrm	hypo	CHG	-0.2574
Gm19	35395248	35395388	Gmdrm	hypo	CHG	-0.4671
Gm19	35396071	35396122	Gmdrm	hypo	CHG	-0.416
Gm19	35404116	35404160	Gmdrm	hypo	CHG	-0.4633
Gm19	35404262	35404384	Gmdrm	hypo	CHG	-0.3317
Gm19	35436145	35436483	Gmdrm	hypo	CHG	-0.4031
Gm19	35479239	35479514	Gmdrm	hypo	CHG	-0.4578
Gm19	35479980	35480069	Gmdrm	hypo	CHG	-0.6211
Gm19	35480875	35481066	Gmdrm	hypo	CHG	-0.0657
Gm19	35497629	35498182	Gmdrm	hypo	CHG	-0.3093
Gm19	35499404	35499455	Gmdrm	hypo	CHG	-0.702
Gm19	35506886	35507051	Gmdrm	hypo	CHG	-0.515
Gm19	35507178	35507326	Gmdrm	hypo	CHG	-0.7237
Gm19	35516067	35516160	Gmdrm	hypo	CHG	-0.0417
Gm19	35521554	35521979	Gmdrm	hypo	CHG	-0.0823
Gm19	35522121	35522628	Gmdrm	hypo	CHG	-0.1232
Gm19	35522731	35523718	Gmdrm	hypo	CHG	-0.2845
Gm19	35530715	35530860	Gmdrm	hypo	CHG	-0.0433
Gm19	35543926	35544019	Gmdrm	hypo	CHG	-0.54
Gm19	35546027	35546193	Gmdrm	hypo	CHG	-0.5243
Gm19	35568886	35568920	Gmdrm	hypo	CHG	-0.46
Gm19	35610193	35610575	Gmdrm	hypo	CHG	-0.0958
Gm19	35621153	35621655	Gmdrm	hypo	CHG	-0.1229
Gm19	35670036	35670189	Gmdrm	hypo	CHG	-0.235
Gm19	35676035	35676555	Gmdrm	hypo	CHG	-0.5268
Gm19	35676692	35677029	Gmdrm	hypo	CHG	-0.1521
Gm19	35677401	35677594	Gmdrm	hypo	CHG	-0.06
Gm19	35679127	35680101	Gmdrm	hypo	CHG	-0.1622
Gm19	35705845	35705981	Gmdrm	hypo	CHG	-0.345
Gm19	35731640	35732237	Gmdrm	hypo	CHG	-0.1867
Gm19	35732425	35732826	Gmdrm	hypo	CHG	-0.3886
Gm19	35734675	35734881	Gmdrm	hypo	CHG	-0.8309
Gm19	35739836	35740073	Gmdrm	hypo	CHG	-0.4941
Gm19	35762725	35762806	Gmdrm	hypo	CHG	-0.2384
Gm19	35785962	35786090	Gmdrm	hypo	CHG	-0.592
Gm19	35838833	35839185	Gmdrm	hypo	CHG	-0.0987
Gm19	35840822	35840930	Gmdrm	hypo	CHG	-0.062
Gm19	35852207	35852364	Gmdrm	hypo	CHG	-0.7657

Gm19	35852475	35852598	Gmdrm	hypo	CHG	-0.5971
Gm19	35854365	35854885	Gmdrm	hypo	CHG	-0.4265
Gm19	35868309	35868561	Gmdrm	hypo	CHG	-0.2791
Gm19	35880782	35880909	Gmdrm	hypo	CHG	-0.5743
Gm19	35913439	35913748	Gmdrm	hypo	CHG	-0.3043
Gm19	35913863	35914063	Gmdrm	hypo	CHG	-0.4531
Gm19	35941244	35941582	Gmdrm	hypo	CHG	-0.5822
Gm19	35946915	35946999	Gmdrm	hypo	CHG	-0.65
Gm19	35963562	35964537	Gmdrm	hypo	CHG	-0.53
Gm19	35964582	35965080	Gmdrm	hypo	CHG	-0.4516
Gm19	36011962	36012010	Gmdrm	hypo	CHG	-0.2083
Gm19	36014018	36014445	Gmdrm	hypo	CHG	-0.3923
Gm19	36030960	36031075	Gmdrm	hypo	CHG	-0.097
Gm19	36037017	36037119	Gmdrm	hypo	CHG	-0.338
Gm19	36037246	36037314	Gmdrm	hypo	CHG	-0.195
Gm19	36041554	36041656	Gmdrm	hypo	CHG	-0.42
Gm19	36053345	36053988	Gmdrm	hypo	CHG	-0.2975
Gm19	36055352	36055427	Gmdrm	hypo	CHG	-0.7583
Gm19	36072214	36072376	Gmdrm	hypo	CHG	-0.7012
Gm19	36094011	36094091	Gmdrm	hypo	CHG	-0.495
Gm19	36103590	36104101	Gmdrm	hypo	CHG	-0.1619
Gm19	36109970	36110132	Gmdrm	hypo	CHG	-0.731
Gm19	36112330	36112406	Gmdrm	hypo	CHG	-0.85
Gm19	36125781	36125942	Gmdrm	hypo	CHG	-0.76
Gm19	36134985	36135450	Gmdrm	hypo	CHG	-0.1881
Gm19	36143989	36144258	Gmdrm	hypo	CHG	-0.35
Gm19	36144714	36144922	Gmdrm	hypo	CHG	-0.784
Gm19	36145124	36145217	Gmdrm	hypo	CHG	-0.704
Gm19	36171902	36172266	Gmdrm	hypo	CHG	-0.6811
Gm19	36175644	36175829	Gmdrm	hypo	CHG	-0.4814
Gm19	36176806	36176838	Gmdrm	hypo	CHG	-0.0983
Gm19	36193085	36193415	Gmdrm	hypo	CHG	-0.2188
Gm19	36197632	36197795	Gmdrm	hypo	CHG	-0.512
Gm19	36200905	36201532	Gmdrm	hypo	CHG	-0.1479
Gm19	36202046	36202162	Gmdrm	hypo	CHG	-0.448
Gm19	36207197	36207441	Gmdrm	hypo	CHG	-0.585
Gm19	36208004	36208176	Gmdrm	hypo	CHG	-0.725
Gm19	36240581	36240886	Gmdrm	hypo	CHG	-0.7446
Gm19	36246403	36246588	Gmdrm	hypo	CHG	-0.64
Gm19	36246904	36247011	Gmdrm	hypo	CHG	-0.7034
Gm19	36253754	36253847	Gmdrm	hypo	CHG	-0.364
Gm19	36259706	36259897	Gmdrm	hypo	CHG	-0.3966
Gm19	36265268	36265418	Gmdrm	hypo	CHG	-0.698
Gm19	36266135	36266342	Gmdrm	hypo	CHG	-0.667
Gm19	36266476	36266615	Gmdrm	hypo	CHG	-0.5926
Gm19	36267911	36267995	Gmdrm	hypo	CHG	-0.792

Gm19	36268106	36268225	Gmdrm	hypo	CHG	-0.786
Gm19	36268660	36268890	Gmdrm	hypo	CHG	-0.8833
Gm19	36271771	36271943	Gmdrm	hypo	CHG	-0.6799
Gm19	36272076	36272343	Gmdrm	hypo	CHG	-0.112
Gm19	36294210	36294368	Gmdrm	hypo	CHG	-0.1325
Gm19	36302274	36302399	Gmdrm	hypo	CHG	-0.6922
Gm19	36302863	36303015	Gmdrm	hypo	CHG	-0.6233
Gm19	36308164	36308273	Gmdrm	hypo	CHG	-0.42
Gm19	36324158	36324235	Gmdrm	hypo	CHG	-0.564
Gm19	36324681	36324703	Gmdrm	hypo	CHG	-0.6183
Gm19	36328320	36328601	Gmdrm	hypo	CHG	-0.417
Gm19	36371603	36371928	Gmdrm	hypo	CHG	-0.595
Gm19	36389195	36389417	Gmdrm	hypo	CHG	-0.0342
Gm19	36390290	36390578	Gmdrm	hypo	CHG	-0.105
Gm19	36393113	36393247	Gmdrm	hypo	CHG	-0.0359
Gm19	36395238	36395659	Gmdrm	hypo	CHG	-0.033
Gm19	36400203	36400252	Gmdrm	hypo	CHG	-0.2
Gm19	36404341	36404747	Gmdrm	hypo	CHG	-0.407
Gm19	36409510	36410482	Gmdrm	hypo	CHG	-0.1355
Gm19	36416237	36416298	Gmdrm	hypo	CHG	-0.0917
Gm19	36420046	36420481	Gmdrm	hypo	CHG	-0.2256
Gm19	36448592	36448779	Gmdrm	hypo	CHG	-0.048
Gm19	36463160	36463293	Gmdrm	hypo	CHG	-0.5533
Gm19	36504951	36505156	Gmdrm	hypo	CHG	-0.036
Gm19	36535631	36535704	Gmdrm	hypo	CHG	-0.0816
Gm19	36542169	36542210	Gmdrm	hypo	CHG	-0.068
Gm19	36542852	36542983	Gmdrm	hypo	CHG	-0.9393
Gm19	36543165	36543382	Gmdrm	hypo	CHG	-0.6588
Gm19	36549444	36549585	Gmdrm	hypo	CHG	-0.6528
Gm19	36551594	36551920	Gmdrm	hypo	CHG	-0.3782
Gm19	36559891	36559988	Gmdrm	hypo	CHG	-0.672
Gm19	36562733	36562799	Gmdrm	hypo	CHG	-0.455
Gm19	36563263	36563289	Gmdrm	hypo	CHG	-0.875
Gm19	36577210	36577459	Gmdrm	hypo	CHG	-0.3023
Gm19	36577565	36577697	Gmdrm	hypo	CHG	-0.0933
Gm19	36579727	36579924	Gmdrm	hypo	CHG	-0.3238
Gm19	36580343	36580566	Gmdrm	hypo	CHG	-0.4057
Gm19	36604541	36604827	Gmdrm	hypo	CHG	-0.2075
Gm19	36606349	36606501	Gmdrm	hypo	CHG	-0.2071
Gm19	36612553	36612619	Gmdrm	hypo	CHG	-0.55
Gm19	36616170	36616403	Gmdrm	hypo	CHG	-0.5133
Gm19	36642258	36642341	Gmdrm	hypo	CHG	-0.8
Gm19	36657481	36657729	Gmdrm	hypo	CHG	-0.7275
Gm19	36698082	36698171	Gmdrm	hypo	CHG	-0.465
Gm19	36705363	36705725	Gmdrm	hypo	CHG	-0.4787
Gm19	36719329	36719505	Gmdrm	hypo	CHG	-0.3723

Gm19	36720220	36720352	Gmdrm	hypo	CHG	-0.5633
Gm19	36728032	36728194	Gmdrm	hypo	CHG	-0.0614
Gm19	36746345	36746490	Gmdrm	hypo	CHG	-0.31
Gm19	36803597	36803659	Gmdrm	hypo	CHG	-0.072
Gm19	36815447	36815608	Gmdrm	hypo	CHG	-0.8136
Gm19	36815890	36815951	Gmdrm	hypo	CHG	-0.756
Gm19	36816192	36816210	Gmdrm	hypo	CHG	-0.8483
Gm19	36816359	36816641	Gmdrm	hypo	CHG	-0.8376
Gm19	36817752	36817913	Gmdrm	hypo	CHG	-0.3625
Gm19	36818257	36818339	Gmdrm	hypo	CHG	-0.546
Gm19	36818614	36818898	Gmdrm	hypo	CHG	-0.3243
Gm19	36833358	36833455	Gmdrm	hypo	CHG	-0.36
Gm19	36833595	36833991	Gmdrm	hypo	CHG	-0.2814
Gm19	36848509	36848821	Gmdrm	hypo	CHG	-0.4065
Gm19	36849046	36849173	Gmdrm	hypo	CHG	-0.4191
Gm19	36864931	36864981	Gmdrm	hypo	CHG	-0.275
Gm19	36865136	36865385	Gmdrm	hypo	CHG	-0.1815
Gm19	36865581	36865807	Gmdrm	hypo	CHG	-0.2585
Gm19	36869854	36870146	Gmdrm	hypo	CHG	-0.1595
Gm19	36872206	36872400	Gmdrm	hypo	CHG	-0.2189
Gm19	36873659	36874090	Gmdrm	hypo	CHG	-0.3208
Gm19	36874354	36874632	Gmdrm	hypo	CHG	-0.605
Gm19	36874803	36875098	Gmdrm	hypo	CHG	-0.798
Gm19	36878939	36879234	Gmdrm	hypo	CHG	-0.5417
Gm19	36879337	36879418	Gmdrm	hypo	CHG	-0.792
Gm19	36879642	36879729	Gmdrm	hypo	CHG	-0.7583
Gm19	36880487	36880609	Gmdrm	hypo	CHG	-0.7045
Gm19	36887093	36887310	Gmdrm	hypo	CHG	-0.464
Gm19	36909198	36909252	Gmdrm	hypo	CHG	-0.032
Gm19	36923525	36924164	Gmdrm	hypo	CHG	-0.3931
Gm19	36933696	36933825	Gmdrm	hypo	CHG	-0.155
Gm19	36934449	36934633	Gmdrm	hypo	CHG	-0.0656
Gm19	36941994	36942032	Gmdrm	hypo	CHG	-0.25
Gm19	36958883	36959138	Gmdrm	hypo	CHG	-0.3582
Gm19	36959350	36959515	Gmdrm	hypo	CHG	-0.0517
Gm19	36989239	36990001	Gmdrm	hypo	CHG	-0.2335
Gm19	36990317	36990423	Gmdrm	hypo	CHG	-0.502
Gm19	36990972	36991020	Gmdrm	hypo	CHG	-0.375
Gm19	36991199	36991484	Gmdrm	hypo	CHG	-0.3186
Gm19	37015481	37015645	Gmdrm	hypo	CHG	-0.6714
Gm19	37015806	37015940	Gmdrm	hypo	CHG	-0.761
Gm19	37016089	37016263	Gmdrm	hypo	CHG	-0.8722
Gm19	37016500	37017097	Gmdrm	hypo	CHG	-0.2638
Gm19	37020750	37020878	Gmdrm	hypo	CHG	-0.823
Gm19	37029210	37029298	Gmdrm	hypo	CHG	-0.7033
Gm19	37037216	37037277	Gmdrm	hypo	CHG	-0.725

Gm19	37043586	37043638	Gmdrm	hypo	CHG	-0.028
Gm19	37047861	37048145	Gmdrm	hypo	CHG	-0.0663
Gm19	37084134	37084258	Gmdrm	hypo	CHG	-0.7972
Gm19	37084629	37084728	Gmdrm	hypo	CHG	-0.6084
Gm19	37084939	37085103	Gmdrm	hypo	CHG	-0.7111
Gm19	37102140	37102247	Gmdrm	hypo	CHG	-0.53
Gm19	37102367	37102737	Gmdrm	hypo	CHG	-0.3124
Gm19	37153056	37153368	Gmdrm	hypo	CHG	-0.4623
Gm19	37158550	37158823	Gmdrm	hypo	CHG	-0.38
Gm19	37158930	37158963	Gmdrm	hypo	CHG	-0.288
Gm19	37168656	37168731	Gmdrm	hypo	CHG	-0.05
Gm19	37172983	37173305	Gmdrm	hypo	CHG	-0.557
Gm19	37173601	37173660	Gmdrm	hypo	CHG	-0.0633
Gm19	37178033	37178312	Gmdrm	hypo	CHG	-0.7236
Gm19	37178442	37178470	Gmdrm	hypo	CHG	-0.9111
Gm19	37185270	37185663	Gmdrm	hypo	CHG	-0.4185
Gm19	37186107	37186268	Gmdrm	hypo	CHG	-0.485
Gm19	37204909	37205047	Gmdrm	hypo	CHG	-0.23
Gm19	37206786	37206929	Gmdrm	hypo	CHG	-0.044
Gm19	37215843	37215955	Gmdrm	hypo	CHG	-0.06
Gm19	37226658	37226888	Gmdrm	hypo	CHG	-0.0346
Gm19	37231953	37232200	Gmdrm	hypo	CHG	-0.111
Gm19	37237523	37237548	Gmdrm	hypo	CHG	-0.3743
Gm19	37248908	37248976	Gmdrm	hypo	CHG	-0.5667
Gm19	37277703	37277875	Gmdrm	hypo	CHG	-0.3667
Gm19	37303718	37303739	Gmdrm	hypo	CHG	-0.0567
Gm19	37328549	37328714	Gmdrm	hypo	CHG	-0.68
Gm19	37348098	37348267	Gmdrm	hypo	CHG	-0.074
Gm19	37350249	37350319	Gmdrm	hypo	CHG	-0.8867
Gm19	37354506	37354702	Gmdrm	hypo	CHG	-0.8461
Gm19	37359353	37359508	Gmdrm	hypo	CHG	-0.09
Gm19	37369712	37369751	Gmdrm	hypo	CHG	-0.48
Gm19	37377342	37377360	Gmdrm	hypo	CHG	-0.405
Gm19	37378234	37378515	Gmdrm	hypo	CHG	-0.292
Gm19	37380549	37380848	Gmdrm	hypo	CHG	-0.5993
Gm19	37380971	37381284	Gmdrm	hypo	CHG	-0.4433
Gm19	37395855	37395921	Gmdrm	hypo	CHG	-0.815
Gm19	37417441	37417677	Gmdrm	hypo	CHG	-0.305
Gm19	37418059	37418835	Gmdrm	hypo	CHG	-0.4916
Gm19	37445238	37445294	Gmdrm	hypo	CHG	-0.28
Gm19	37449451	37449641	Gmdrm	hypo	CHG	-0.4449
Gm19	37455482	37455709	Gmdrm	hypo	CHG	-0.0673
Gm19	37466649	37466786	Gmdrm	hypo	CHG	-0.8023
Gm19	37467163	37467287	Gmdrm	hypo	CHG	-0.6825
Gm19	37477105	37477227	Gmdrm	hypo	CHG	-0.561
Gm19	37487413	37487542	Gmdrm	hypo	CHG	-0.608

Gm19	37490615	37490717	Gmdrm	hypo	CHG	-0.8283
Gm19	37514120	37514191	Gmdrm	hypo	CHG	-0.814
Gm19	37514366	37514508	Gmdrm	hypo	CHG	-0.6028
Gm19	37530159	37531088	Gmdrm	hypo	CHG	-0.1463
Gm19	37533327	37533547	Gmdrm	hypo	CHG	-0.0567
Gm19	37534052	37534415	Gmdrm	hypo	CHG	-0.1361
Gm19	37534525	37534696	Gmdrm	hypo	CHG	-0.4748
Gm19	37534819	37535798	Gmdrm	hypo	CHG	-0.3288
Gm19	37536244	37536530	Gmdrm	hypo	CHG	-0.15
Gm19	37543152	37543460	Gmdrm	hypo	CHG	-0.0429
Gm19	37550022	37550130	Gmdrm	hypo	CHG	-0.71
Gm19	37550641	37550699	Gmdrm	hypo	CHG	-0.56
Gm19	37558207	37558327	Gmdrm	hypo	CHG	-0.4425
Gm19	37570409	37570652	Gmdrm	hypo	CHG	-0.5907
Gm19	37571601	37571911	Gmdrm	hypo	CHG	-0.3969
Gm19	37572235	37572323	Gmdrm	hypo	CHG	-0.4971
Gm19	37573331	37573451	Gmdrm	hypo	CHG	-0.75
Gm19	37576098	37576197	Gmdrm	hypo	CHG	-0.032
Gm19	37585053	37585427	Gmdrm	hypo	CHG	-0.0406
Gm19	37592712	37592773	Gmdrm	hypo	CHG	-0.6317
Gm19	37602934	37603264	Gmdrm	hypo	CHG	-0.3447
Gm19	37605757	37605782	Gmdrm	hypo	CHG	-0.186
Gm19	37607855	37608014	Gmdrm	hypo	CHG	-0.4404
Gm19	37608835	37609035	Gmdrm	hypo	CHG	-0.4215
Gm19	37629697	37629998	Gmdrm	hypo	CHG	-0.2775
Gm19	37636466	37636533	Gmdrm	hypo	CHG	-0.54
Gm19	37675777	37676019	Gmdrm	hypo	CHG	-0.2069
Gm19	37683418	37683481	Gmdrm	hypo	CHG	-0.3775
Gm19	37697405	37697719	Gmdrm	hypo	CHG	-0.07
Gm19	37710078	37710468	Gmdrm	hypo	CHG	-0.2381
Gm19	37722244	37722307	Gmdrm	hypo	CHG	-0.12
Gm19	37728194	37729190	Gmdrm	hypo	CHG	-0.1788
Gm19	37729438	37729642	Gmdrm	hypo	CHG	-0.3144
Gm19	37776240	37776405	Gmdrm	hypo	CHG	-0.72
Gm19	37802805	37802823	Gmdrm	hypo	CHG	-0.56
Gm19	37813017	37813088	Gmdrm	hypo	CHG	-0.6845
Gm19	37813227	37813249	Gmdrm	hypo	CHG	-0.155
Gm19	37820184	37820441	Gmdrm	hypo	CHG	-0.3662
Gm19	37852043	37852438	Gmdrm	hypo	CHG	-0.3275
Gm19	37863272	37863434	Gmdrm	hypo	CHG	-0.7007
Gm19	37863751	37863808	Gmdrm	hypo	CHG	-0.8
Gm19	37865641	37866102	Gmdrm	hypo	CHG	-0.5318
Gm19	37872357	37872380	Gmdrm	hypo	CHG	-0.22
Gm19	37882465	37882854	Gmdrm	hypo	CHG	-0.175
Gm19	37887702	37887851	Gmdrm	hypo	CHG	-0.0971
Gm19	37888410	37888550	Gmdrm	hypo	CHG	-0.4133

Gm19	37895089	37895267	Gmdrm	hypo	CHG	-0.3277
Gm19	37895448	37895473	Gmdrm	hypo	CHG	-0.5
Gm19	37900140	37900272	Gmdrm	hypo	CHG	-0.7615
Gm19	37900467	37900489	Gmdrm	hypo	CHG	-0.7917
Gm19	37900593	37900807	Gmdrm	hypo	CHG	-0.8233
Gm19	37907581	37907936	Gmdrm	hypo	CHG	-0.065
Gm19	37913938	37914029	Gmdrm	hypo	CHG	-0.4912
Gm19	37928194	37928382	Gmdrm	hypo	CHG	-0.4263
Gm19	37931655	37931788	Gmdrm	hypo	CHG	-0.045
Gm19	37932139	37932231	Gmdrm	hypo	CHG	-0.4917
Gm19	37932348	37932518	Gmdrm	hypo	CHG	-0.8067
Gm19	37944232	37944527	Gmdrm	hypo	CHG	-0.0883
Gm19	37946290	37946390	Gmdrm	hypo	CHG	-0.362
Gm19	37947476	37947710	Gmdrm	hypo	CHG	-0.3788
Gm19	37980669	37981023	Gmdrm	hypo	CHG	-0.5127
Gm19	37982667	37982924	Gmdrm	hypo	CHG	-0.0454
Gm19	37983233	37983486	Gmdrm	hypo	CHG	-0.3853
Gm19	37983598	37983701	Gmdrm	hypo	CHG	-0.31
Gm19	38023932	38024032	Gmdrm	hypo	CHG	-0.045
Gm19	38026255	38026393	Gmdrm	hypo	CHG	-0.6777
Gm19	38026615	38026759	Gmdrm	hypo	CHG	-0.835
Gm19	38028226	38028464	Gmdrm	hypo	CHG	-0.615
Gm19	38029218	38029469	Gmdrm	hypo	CHG	-0.3328
Gm19	38030720	38030781	Gmdrm	hypo	CHG	-0.346
Gm19	38071328	38071506	Gmdrm	hypo	CHG	-0.048
Gm19	38084642	38084756	Gmdrm	hypo	CHG	-0.5226
Gm19	38099615	38099827	Gmdrm	hypo	CHG	-0.0685
Gm19	38103150	38103298	Gmdrm	hypo	CHG	-0.365
Gm19	38103527	38103587	Gmdrm	hypo	CHG	-0.0433
Gm19	38119644	38119802	Gmdrm	hypo	CHG	-0.39
Gm19	38120172	38120283	Gmdrm	hypo	CHG	-0.27
Gm19	38123928	38123963	Gmdrm	hypo	CHG	-0.1583
Gm19	38126317	38126443	Gmdrm	hypo	CHG	-0.103
Gm19	38126574	38126774	Gmdrm	hypo	CHG	-0.0883
Gm19	38130610	38130735	Gmdrm	hypo	CHG	-0.2866
Gm19	38132215	38132359	Gmdrm	hypo	CHG	-0.0967
Gm19	38138185	38138324	Gmdrm	hypo	CHG	-0.2307
Gm19	38141639	38141882	Gmdrm	hypo	CHG	-0.5808
Gm19	38142263	38142402	Gmdrm	hypo	CHG	-0.3371
Gm19	38143328	38143360	Gmdrm	hypo	CHG	-0.034
Gm19	38154829	38154916	Gmdrm	hypo	CHG	-0.9133
Gm19	38155227	38155343	Gmdrm	hypo	CHG	-0.04
Gm19	38216660	38216866	Gmdrm	hypo	CHG	-0.7263
Gm19	38216984	38217214	Gmdrm	hypo	CHG	-0.04
Gm19	38222190	38222391	Gmdrm	hypo	CHG	-0.3675
Gm19	38222889	38223018	Gmdrm	hypo	CHG	-0.3675

Gm19	38226578	38226670	Gmdrm	hypo	CHG	-0.8599
Gm19	38228414	38228545	Gmdrm	hypo	CHG	-0.6872
Gm19	38230133	38230244	Gmdrm	hypo	CHG	-0.074
Gm19	38230397	38230550	Gmdrm	hypo	CHG	-0.0666
Gm19	38233684	38233894	Gmdrm	hypo	CHG	-0.6432
Gm19	38234193	38234234	Gmdrm	hypo	CHG	-0.6272
Gm19	38245576	38245695	Gmdrm	hypo	CHG	-0.5129
Gm19	38246004	38246099	Gmdrm	hypo	CHG	-0.8589
Gm19	38250841	38251228	Gmdrm	hypo	CHG	-0.6718
Gm19	38253809	38253953	Gmdrm	hypo	CHG	-0.7358
Gm19	38267598	38267898	Gmdrm	hypo	CHG	-0.271
Gm19	38279023	38279270	Gmdrm	hypo	CHG	-0.255
Gm19	38279613	38279744	Gmdrm	hypo	CHG	-0.4522
Gm19	38285044	38285161	Gmdrm	hypo	CHG	-0.4866
Gm19	38286278	38286436	Gmdrm	hypo	CHG	-0.59
Gm19	38287400	38287862	Gmdrm	hypo	CHG	-0.6928
Gm19	38291526	38291694	Gmdrm	hypo	CHG	-0.03
Gm19	38298543	38298694	Gmdrm	hypo	CHG	-0.4587
Gm19	38301287	38301716	Gmdrm	hypo	CHG	-0.2252
Gm19	38302406	38302530	Gmdrm	hypo	CHG	-0.2
Gm19	38303974	38304046	Gmdrm	hypo	CHG	-0.425
Gm19	38325651	38326206	Gmdrm	hypo	CHG	-0.3494
Gm19	38333458	38333736	Gmdrm	hypo	CHG	-0.7174
Gm19	38334023	38334195	Gmdrm	hypo	CHG	-0.8612
Gm19	38350559	38350624	Gmdrm	hypo	CHG	-0.635
Gm19	38350813	38350873	Gmdrm	hypo	CHG	-0.876
Gm19	38351019	38351385	Gmdrm	hypo	CHG	-0.15
Gm19	38354594	38354770	Gmdrm	hypo	CHG	-0.0433
Gm19	38370358	38371352	Gmdrm	hypo	CHG	-0.2288
Gm19	38371369	38372354	Gmdrm	hypo	CHG	-0.3073
Gm19	38372492	38373093	Gmdrm	hypo	CHG	-0.371
Gm19	38382948	38383307	Gmdrm	hypo	CHG	-0.797
Gm19	38383413	38383628	Gmdrm	hypo	CHG	-0.445
Gm19	38431475	38431746	Gmdrm	hypo	CHG	-0.07
Gm19	38437559	38437878	Gmdrm	hypo	CHG	-0.3375
Gm19	38439702	38439819	Gmdrm	hypo	CHG	-0.1592
Gm19	38491083	38491215	Gmdrm	hypo	CHG	-0.5111
Gm19	38492232	38492379	Gmdrm	hypo	CHG	-0.034
Gm19	38495009	38495633	Gmdrm	hypo	CHG	-0.1843
Gm19	38501865	38501917	Gmdrm	hypo	CHG	-0.3834
Gm19	38510587	38510966	Gmdrm	hypo	CHG	-0.6357
Gm19	38512178	38512261	Gmdrm	hypo	CHG	-0.15
Gm19	38513259	38513331	Gmdrm	hypo	CHG	-0.5733
Gm19	38531962	38532272	Gmdrm	hypo	CHG	-0.0417
Gm19	38562890	38563401	Gmdrm	hypo	CHG	-0.7379
Gm19	38563596	38563945	Gmdrm	hypo	CHG	-0.135

Gm19	38566301	38566543	Gmdrm	hypo	CHG	-0.7933
Gm19	38567917	38568107	Gmdrm	hypo	CHG	-0.06
Gm19	38591110	38591273	Gmdrm	hypo	CHG	-0.6637
Gm19	38598238	38598654	Gmdrm	hypo	CHG	-0.124
Gm19	38605903	38605976	Gmdrm	hypo	CHG	-0.4743
Gm19	38610082	38610223	Gmdrm	hypo	CHG	-0.65
Gm19	38615601	38615759	Gmdrm	hypo	CHG	-0.034
Gm19	38617265	38617445	Gmdrm	hypo	CHG	-0.06
Gm19	38623151	38623213	Gmdrm	hypo	CHG	-0.0167
Gm19	38644220	38644436	Gmdrm	hypo	CHG	-0.3292
Gm19	38654824	38655309	Gmdrm	hypo	CHG	-0.7732
Gm19	38657123	38657219	Gmdrm	hypo	CHG	-0.06
Gm19	38658569	38659290	Gmdrm	hypo	CHG	-0.1521
Gm19	38685170	38685301	Gmdrm	hypo	CHG	-0.56
Gm19	38691833	38692164	Gmdrm	hypo	CHG	-0.5007
Gm19	38697124	38697323	Gmdrm	hypo	CHG	-0.3131
Gm19	38697436	38697513	Gmdrm	hypo	CHG	-0.4367
Gm19	38730881	38731379	Gmdrm	hypo	CHG	-0.6576
Gm19	38752797	38752915	Gmdrm	hypo	CHG	-0.7683
Gm19	38758617	38758754	Gmdrm	hypo	CHG	-0.4566
Gm19	38760071	38760384	Gmdrm	hypo	CHG	-0.7191
Gm19	38760487	38760660	Gmdrm	hypo	CHG	-0.5701
Gm19	38776616	38776668	Gmdrm	hypo	CHG	-0.398
Gm19	38782570	38782629	Gmdrm	hypo	CHG	-0.2933
Gm19	38793125	38793217	Gmdrm	hypo	CHG	-0.8399
Gm19	38793681	38793958	Gmdrm	hypo	CHG	-0.64
Gm19	38794073	38794151	Gmdrm	hypo	CHG	-0.6825
Gm19	38794291	38794706	Gmdrm	hypo	CHG	-0.6467
Gm19	38802517	38802625	Gmdrm	hypo	CHG	-0.6813
Gm19	38814804	38814967	Gmdrm	hypo	CHG	-0.4286
Gm19	38831235	38831282	Gmdrm	hypo	CHG	-0.8633
Gm19	38848248	38848420	Gmdrm	hypo	CHG	-0.694
Gm19	38861804	38861845	Gmdrm	hypo	CHG	-0.0657
Gm19	38863118	38863404	Gmdrm	hypo	CHG	-0.0392
Gm19	38875070	38875353	Gmdrm	hypo	CHG	-0.6195
Gm19	38912748	38912787	Gmdrm	hypo	CHG	-0.4417
Gm19	38955141	38955237	Gmdrm	hypo	CHG	-0.5983
Gm19	38955421	38955558	Gmdrm	hypo	CHG	-0.783
Gm19	38956994	38957303	Gmdrm	hypo	CHG	-0.8741
Gm19	38957529	38957669	Gmdrm	hypo	CHG	-0.092
Gm19	38966448	38966496	Gmdrm	hypo	CHG	-0.785
Gm19	38966620	38966715	Gmdrm	hypo	CHG	-0.4867
Gm19	38969560	38969645	Gmdrm	hypo	CHG	-0.73
Gm19	38970431	38970646	Gmdrm	hypo	CHG	-0.2062
Gm19	38971449	38971667	Gmdrm	hypo	CHG	-0.83
Gm19	38979107	38979237	Gmdrm	hypo	CHG	-0.7633

Gm19	38979821	38979932	Gmdrm	hypo	CHG	-0.7333
Gm19	38980276	38980366	Gmdrm	hypo	CHG	-0.8374
Gm19	38981769	38981870	Gmdrm	hypo	CHG	-0.5584
Gm19	38982475	38982632	Gmdrm	hypo	CHG	-0.2772
Gm19	38991225	38991268	Gmdrm	hypo	CHG	-0.172
Gm19	38991496	38991614	Gmdrm	hypo	CHG	-0.8467
Gm19	38996609	38997092	Gmdrm	hypo	CHG	-0.0341
Gm19	39016198	39016317	Gmdrm	hypo	CHG	-0.5115
Gm19	39016601	39016795	Gmdrm	hypo	CHG	-0.5945
Gm19	39027774	39027806	Gmdrm	hypo	CHG	-0.482
Gm19	39040502	39040753	Gmdrm	hypo	CHG	-0.4477
Gm19	39044214	39044409	Gmdrm	hypo	CHG	-0.77
Gm19	39058878	39059219	Gmdrm	hypo	CHG	-0.353
Gm19	39075136	39076100	Gmdrm	hypo	CHG	-0.4569
Gm19	39084156	39084241	Gmdrm	hypo	CHG	-0.046
Gm19	39084546	39084765	Gmdrm	hypo	CHG	-0.625
Gm19	39110487	39110571	Gmdrm	hypo	CHG	-0.3225
Gm19	39110900	39111210	Gmdrm	hypo	CHG	-0.4379
Gm19	39116976	39117192	Gmdrm	hypo	CHG	-0.205
Gm19	39123459	39123628	Gmdrm	hypo	CHG	-0.4367
Gm19	39127889	39127983	Gmdrm	hypo	CHG	-0.255
Gm19	39128913	39129034	Gmdrm	hypo	CHG	-0.358
Gm19	39136283	39136474	Gmdrm	hypo	CHG	-0.6814
Gm19	39138926	39139122	Gmdrm	hypo	CHG	-0.711
Gm19	39147298	39147372	Gmdrm	hypo	CHG	-0.4
Gm19	39147805	39147907	Gmdrm	hypo	CHG	-0.548
Gm19	39164193	39164297	Gmdrm	hypo	CHG	-0.703
Gm19	39173922	39174017	Gmdrm	hypo	CHG	-0.5367
Gm19	39174474	39174563	Gmdrm	hypo	CHG	-0.062
Gm19	39182744	39182875	Gmdrm	hypo	CHG	-0.874
Gm19	39183245	39183362	Gmdrm	hypo	CHG	-0.8328
Gm19	39187308	39187607	Gmdrm	hypo	CHG	-0.0314
Gm19	39188649	39189068	Gmdrm	hypo	CHG	-0.4381
Gm19	39211658	39211683	Gmdrm	hypo	CHG	-0.09
Gm19	39233058	39233308	Gmdrm	hypo	CHG	-0.6059
Gm19	39233426	39233702	Gmdrm	hypo	CHG	-0.441
Gm19	39240511	39240740	Gmdrm	hypo	CHG	-0.3746
Gm19	39248268	39248443	Gmdrm	hypo	CHG	-0.6883
Gm19	39248806	39248961	Gmdrm	hypo	CHG	-0.6912
Gm19	39253008	39253327	Gmdrm	hypo	CHG	-0.8082
Gm19	39261590	39261837	Gmdrm	hypo	CHG	-0.5592
Gm19	39268807	39268920	Gmdrm	hypo	CHG	-0.37
Gm19	39269030	39269295	Gmdrm	hypo	CHG	-0.4955
Gm19	39271975	39272031	Gmdrm	hypo	CHG	-0.362
Gm19	39272148	39272336	Gmdrm	hypo	CHG	-0.65
Gm19	39284761	39284943	Gmdrm	hypo	CHG	-0.6616

Gm19	39285401	39285732	Gmdrm	hypo	CHG	-0.4539
Gm19	39297861	39297980	Gmdrm	hypo	CHG	-0.375
Gm19	39316186	39316505	Gmdrm	hypo	CHG	-0.8132
Gm19	39316613	39316671	Gmdrm	hypo	CHG	-0.926
Gm19	39337228	39337727	Gmdrm	hypo	CHG	-0.0992
Gm19	39356000	39356488	Gmdrm	hypo	CHG	-0.8792
Gm19	39369630	39369748	Gmdrm	hypo	CHG	-0.758
Gm19	39370015	39370331	Gmdrm	hypo	CHG	-0.4882
Gm19	39380844	39380976	Gmdrm	hypo	CHG	-0.6909
Gm19	39381139	39381228	Gmdrm	hypo	CHG	-0.7433
Gm19	39397947	39398258	Gmdrm	hypo	CHG	-0.28
Gm19	39415097	39415199	Gmdrm	hypo	CHG	-0.385
Gm19	39416173	39416533	Gmdrm	hypo	CHG	-0.0426
Gm19	39421090	39421181	Gmdrm	hypo	CHG	-0.6999
Gm19	39426203	39426358	Gmdrm	hypo	CHG	-0.4583
Gm19	39436686	39436781	Gmdrm	hypo	CHG	-0.4816
Gm19	39465825	39465968	Gmdrm	hypo	CHG	-0.5892
Gm19	39466803	39466948	Gmdrm	hypo	CHG	-0.453
Gm19	39467210	39467320	Gmdrm	hypo	CHG	-0.734
Gm19	39467731	39467856	Gmdrm	hypo	CHG	-0.61
Gm19	39470922	39471109	Gmdrm	hypo	CHG	-0.1143
Gm19	39472659	39472849	Gmdrm	hypo	CHG	-0.7137
Gm19	39473557	39474024	Gmdrm	hypo	CHG	-0.26
Gm19	39487748	39487880	Gmdrm	hypo	CHG	-0.72
Gm19	39507369	39507513	Gmdrm	hypo	CHG	-0.8286
Gm19	39526489	39526716	Gmdrm	hypo	CHG	-0.1
Gm19	39558313	39558671	Gmdrm	hypo	CHG	-0.0538
Gm19	39564904	39565120	Gmdrm	hypo	CHG	-0.8081
Gm19	39565913	39566063	Gmdrm	hypo	CHG	-0.6587
Gm19	39573686	39573805	Gmdrm	hypo	CHG	-0.6837
Gm19	39575825	39576270	Gmdrm	hypo	CHG	-0.6734
Gm19	39588020	39588127	Gmdrm	hypo	CHG	-0.6184
Gm19	39594990	39595280	Gmdrm	hypo	CHG	-0.4792
Gm19	39616224	39616321	Gmdrm	hypo	CHG	-0.05
Gm19	39618626	39618783	Gmdrm	hypo	CHG	-0.7528
Gm19	39619228	39619328	Gmdrm	hypo	CHG	-0.7071
Gm19	39619552	39619723	Gmdrm	hypo	CHG	-0.7813
Gm19	39624759	39624861	Gmdrm	hypo	CHG	-0.622
Gm19	39626766	39627144	Gmdrm	hypo	CHG	-0.3732
Gm19	39627473	39627798	Gmdrm	hypo	CHG	-0.3575
Gm19	39632167	39632267	Gmdrm	hypo	CHG	-0.592
Gm19	39641374	39641529	Gmdrm	hypo	CHG	-0.0409
Gm19	39643295	39643475	Gmdrm	hypo	CHG	-0.3525
Gm19	39648821	39649049	Gmdrm	hypo	CHG	-0.2988
Gm19	39651189	39651264	Gmdrm	hypo	CHG	-0.075
Gm19	39685987	39686314	Gmdrm	hypo	CHG	-0.6393

Gm19	39690081	39690089	Gmdrm	hypo	CHG	-0.14
Gm19	39690405	39690539	Gmdrm	hypo	CHG	-0.6282
Gm19	39694126	39694587	Gmdrm	hypo	CHG	-0.6548
Gm19	39701703	39701903	Gmdrm	hypo	CHG	-0.7657
Gm19	39715825	39715892	Gmdrm	hypo	CHG	-0.3687
Gm19	39732867	39733174	Gmdrm	hypo	CHG	-0.4474
Gm19	39733324	39733491	Gmdrm	hypo	CHG	-0.291
Gm19	39733592	39733800	Gmdrm	hypo	CHG	-0.354
Gm19	39740194	39740204	Gmdrm	hypo	CHG	-0.4483
Gm19	39757287	39757432	Gmdrm	hypo	CHG	-0.7175
Gm19	39757583	39758111	Gmdrm	hypo	CHG	-0.3547
Gm19	39765583	39765875	Gmdrm	hypo	CHG	-0.1954
Gm19	39772104	39772229	Gmdrm	hypo	CHG	-0.589
Gm19	39801947	39802230	Gmdrm	hypo	CHG	-0.0389
Gm19	39807140	39807268	Gmdrm	hypo	CHG	-0.832
Gm19	39808079	39808202	Gmdrm	hypo	CHG	-0.49
Gm19	39808316	39808428	Gmdrm	hypo	CHG	-0.688
Gm19	39832418	39832564	Gmdrm	hypo	CHG	-0.2816
Gm19	39846782	39846995	Gmdrm	hypo	CHG	-0.803
Gm19	39853160	39853372	Gmdrm	hypo	CHG	-0.7438
Gm19	39854060	39854085	Gmdrm	hypo	CHG	-0.176
Gm19	39872669	39872829	Gmdrm	hypo	CHG	-0.1162
Gm19	39873537	39873586	Gmdrm	hypo	CHG	-0.528
Gm19	39889532	39889865	Gmdrm	hypo	CHG	-0.1694
Gm19	39890021	39890279	Gmdrm	hypo	CHG	-0.5662
Gm19	39894530	39894586	Gmdrm	hypo	CHG	-0.556
Gm19	39895132	39895296	Gmdrm	hypo	CHG	-0.85
Gm19	39909032	39909511	Gmdrm	hypo	CHG	-0.735
Gm19	39921109	39921182	Gmdrm	hypo	CHG	-0.7383
Gm19	39921319	39921363	Gmdrm	hypo	CHG	-0.896
Gm19	39922417	39922705	Gmdrm	hypo	CHG	-0.8516
Gm19	39928603	39928711	Gmdrm	hypo	CHG	-0.064
Gm19	39953693	39953811	Gmdrm	hypo	CHG	-0.292
Gm19	39954241	39954355	Gmdrm	hypo	CHG	-0.2418
Gm19	39954469	39954853	Gmdrm	hypo	CHG	-0.3764
Gm19	39959028	39959316	Gmdrm	hypo	CHG	-0.0567
Gm19	39961713	39961936	Gmdrm	hypo	CHG	-0.5782
Gm19	39963192	39963684	Gmdrm	hypo	CHG	-0.3307
Gm19	39974717	39975092	Gmdrm	hypo	CHG	-0.88
Gm19	39976378	39976607	Gmdrm	hypo	CHG	-0.5771
Gm19	39981860	39981919	Gmdrm	hypo	CHG	-0.4883
Gm19	39989786	39990202	Gmdrm	hypo	CHG	-0.7694
Gm19	39995193	39995263	Gmdrm	hypo	CHG	-0.625
Gm19	40008414	40008592	Gmdrm	hypo	CHG	-0.418
Gm19	40010500	40010921	Gmdrm	hypo	CHG	-0.2133
Gm19	40034757	40035007	Gmdrm	hypo	CHG	-0.3664

Gm19	40035580	40035781	Gmdrm	hypo	CHG	-0.4464
Gm19	40086526	40086601	Gmdrm	hypo	CHG	-0.67
Gm19	40086712	40086915	Gmdrm	hypo	CHG	-0.8257
Gm19	40098145	40098321	Gmdrm	hypo	CHG	-0.654
Gm19	40098552	40098718	Gmdrm	hypo	CHG	-0.5007
Gm19	40107614	40108006	Gmdrm	hypo	CHG	-0.3693
Gm19	40108176	40108294	Gmdrm	hypo	CHG	-0.3517
Gm19	40108406	40108659	Gmdrm	hypo	CHG	-0.7509
Gm19	40109648	40109851	Gmdrm	hypo	CHG	-0.3073
Gm19	40110764	40110838	Gmdrm	hypo	CHG	-0.7033
Gm19	40110945	40111157	Gmdrm	hypo	CHG	-0.7733
Gm19	40115407	40115592	Gmdrm	hypo	CHG	-0.742
Gm19	40116473	40116681	Gmdrm	hypo	CHG	-0.8327
Gm19	40116899	40117094	Gmdrm	hypo	CHG	-0.049
Gm19	40118699	40119568	Gmdrm	hypo	CHG	-0.6902
Gm19	40138396	40138785	Gmdrm	hypo	CHG	-0.4594
Gm19	40138906	40139008	Gmdrm	hypo	CHG	-0.3113
Gm19	40161339	40161665	Gmdrm	hypo	CHG	-0.0357
Gm19	40178059	40178347	Gmdrm	hypo	CHG	-0.9308
Gm19	40205030	40205145	Gmdrm	hypo	CHG	-0.052
Gm19	40216217	40216493	Gmdrm	hypo	CHG	-0.0457
Gm19	40227620	40228051	Gmdrm	hypo	CHG	-0.1134
Gm19	40233378	40233474	Gmdrm	hypo	CHG	-0.536
Gm19	40253146	40253211	Gmdrm	hypo	CHG	-0.64
Gm19	40273480	40273592	Gmdrm	hypo	CHG	-0.7633
Gm19	40285282	40285386	Gmdrm	hypo	CHG	-0.0783
Gm19	40285620	40285937	Gmdrm	hypo	CHG	-0.6551
Gm19	40288375	40288735	Gmdrm	hypo	CHG	-0.48
Gm19	40313408	40313455	Gmdrm	hypo	CHG	-0.864
Gm19	40313694	40313850	Gmdrm	hypo	CHG	-0.7415
Gm19	40316079	40316348	Gmdrm	hypo	CHG	-0.264
Gm19	40316650	40316966	Gmdrm	hypo	CHG	-0.573
Gm19	40328391	40328643	Gmdrm	hypo	CHG	-0.0614
Gm19	40357705	40357936	Gmdrm	hypo	CHG	-0.1018
Gm19	40359885	40360094	Gmdrm	hypo	CHG	-0.253
Gm19	40371047	40371088	Gmdrm	hypo	CHG	-0.72
Gm19	40371246	40371492	Gmdrm	hypo	CHG	-0.7395
Gm19	40375536	40375705	Gmdrm	hypo	CHG	-0.032
Gm19	40377607	40377709	Gmdrm	hypo	CHG	-0.3675
Gm19	40385127	40385404	Gmdrm	hypo	CHG	-0.87
Gm19	40385927	40386335	Gmdrm	hypo	CHG	-0.7043
Gm19	40396797	40396969	Gmdrm	hypo	CHG	-0.6386
Gm19	40406965	40407194	Gmdrm	hypo	CHG	-0.2033
Gm19	40453279	40453350	Gmdrm	hypo	CHG	-0.642
Gm19	40455144	40455248	Gmdrm	hypo	CHG	-0.1643
Gm19	40476909	40477217	Gmdrm	hypo	CHG	-0.339

Gm19	40479336	40479541	Gmdrm	hypo	CHG	-0.461
Gm19	40490482	40490629	Gmdrm	hypo	CHG	-0.0771
Gm19	40502466	40502638	Gmdrm	hypo	CHG	-0.04
Gm19	40547259	40547307	Gmdrm	hypo	CHG	-0.024
Gm19	40574762	40575028	Gmdrm	hypo	CHG	-0.219
Gm19	40575198	40575746	Gmdrm	hypo	CHG	-0.3023
Gm19	40576552	40576710	Gmdrm	hypo	CHG	-0.0443
Gm19	40582301	40582482	Gmdrm	hypo	CHG	-0.03
Gm19	40585948	40585997	Gmdrm	hypo	CHG	-0.07
Gm19	40587399	40587605	Gmdrm	hypo	CHG	-0.588
Gm19	40587723	40587848	Gmdrm	hypo	CHG	-0.57
Gm19	40594722	40594786	Gmdrm	hypo	CHG	-0.24
Gm19	40623626	40623862	Gmdrm	hypo	CHG	-0.565
Gm19	40623965	40624317	Gmdrm	hypo	CHG	-0.8351
Gm19	40632480	40632630	Gmdrm	hypo	CHG	-0.0336
Gm19	40640515	40640928	Gmdrm	hypo	CHG	-0.3
Gm19	40644917	40645205	Gmdrm	hypo	CHG	-0.59
Gm19	40651239	40651625	Gmdrm	hypo	CHG	-0.3718
Gm19	40664025	40664093	Gmdrm	hypo	CHG	-0.7284
Gm19	40670318	40670538	Gmdrm	hypo	CHG	-0.0433
Gm19	40690821	40690920	Gmdrm	hypo	CHG	-0.8425
Gm19	40691179	40691363	Gmdrm	hypo	CHG	-0.5537
Gm19	40697064	40697430	Gmdrm	hypo	CHG	-0.0533
Gm19	40716389	40716452	Gmdrm	hypo	CHG	-0.0783
Gm19	40726111	40726211	Gmdrm	hypo	CHG	-0.8637
Gm19	40731877	40731945	Gmdrm	hypo	CHG	-0.0657
Gm19	40734736	40734955	Gmdrm	hypo	CHG	-0.4763
Gm19	40737879	40738161	Gmdrm	hypo	CHG	-0.4747
Gm19	40740377	40740564	Gmdrm	hypo	CHG	-0.1838
Gm19	40743750	40743825	Gmdrm	hypo	CHG	-0.595
Gm19	40745010	40745120	Gmdrm	hypo	CHG	-0.6183
Gm19	40750963	40751095	Gmdrm	hypo	CHG	-0.046
Gm19	40764404	40764681	Gmdrm	hypo	CHG	-0.6955
Gm19	40764833	40764885	Gmdrm	hypo	CHG	-0.95
Gm19	40765202	40765669	Gmdrm	hypo	CHG	-0.6981
Gm19	40792238	40792376	Gmdrm	hypo	CHG	-0.198
Gm19	40795155	40795257	Gmdrm	hypo	CHG	-0.0488
Gm19	40805382	40805492	Gmdrm	hypo	CHG	-0.034
Gm19	40826981	40827159	Gmdrm	hypo	CHG	-0.5177
Gm19	40827352	40827479	Gmdrm	hypo	CHG	-0.6134
Gm19	40845722	40845864	Gmdrm	hypo	CHG	-0.0433
Gm19	40864756	40864980	Gmdrm	hypo	CHG	-0.0457
Gm19	40865840	40865920	Gmdrm	hypo	CHG	-0.7372
Gm19	40874504	40874713	Gmdrm	hypo	CHG	-0.0317
Gm19	40881466	40881650	Gmdrm	hypo	CHG	-0.8507
Gm19	40888638	40888736	Gmdrm	hypo	CHG	-0.6863

Gm19	40935968	40936140 Gmdrm	hypo	CHG	-0.7388
Gm19	40936487	40936584 Gmdrm	hypo	CHG	-0.4387
Gm19	40955252	40955695 Gmdrm	hypo	CHG	-0.482
Gm19	40982495	40982808 Gmdrm	hypo	CHG	-0.6069
Gm19	40988336	40988841 Gmdrm	hypo	CHG	-0.4753
Gm19	40993234	40993645 Gmdrm	hypo	CHG	-0.0434
Gm19	40995172	40995620 Gmdrm	hypo	CHG	-0.3037
Gm19	40997461	40997783 Gmdrm	hypo	CHG	-0.3317
Gm19	41001606	41002423 Gmdrm	hypo	CHG	-0.7104
Gm19	41002533	41003522 Gmdrm	hypo	CHG	-0.51
Gm19	41003535	41003695 Gmdrm	hypo	CHG	-0.6806
Gm19	41003802	41003900 Gmdrm	hypo	CHG	-0.9085
Gm19	41004278	41004710 Gmdrm	hypo	CHG	-0.6789
Gm19	41005169	41005269 Gmdrm	hypo	CHG	-0.92
Gm19	41007631	41007754 Gmdrm	hypo	CHG	-0.1957
Gm19	41012778	41012909 Gmdrm	hypo	CHG	-0.5378
Gm19	41036236	41036309 Gmdrm	hypo	CHG	-0.358
Gm19	41046269	41046407 Gmdrm	hypo	CHG	-0.044
Gm19	41047720	41047949 Gmdrm	hypo	CHG	-0.1537
Gm19	41060105	41060211 Gmdrm	hypo	CHG	-0.36
Gm19	41068099	41068325 Gmdrm	hypo	CHG	-0.4
Gm19	41100525	41100575 Gmdrm	hypo	CHG	-0.3133
Gm19	41105947	41106199 Gmdrm	hypo	CHG	-0.4888
Gm19	41111055	41111252 Gmdrm	hypo	CHG	-0.3133
Gm19	41111368	41111860 Gmdrm	hypo	CHG	-0.4394
Gm19	41115379	41115610 Gmdrm	hypo	CHG	-0.2356
Gm19	41122259	41122746 Gmdrm	hypo	CHG	-0.3507
Gm19	41129983	41130359 Gmdrm	hypo	CHG	-0.115
Gm19	41142827	41143038 Gmdrm	hypo	CHG	-0.0617
Gm19	41144889	41145011 Gmdrm	hypo	CHG	-0.1514
Gm19	41145995	41146231 Gmdrm	hypo	CHG	-0.3311
Gm19	41146799	41147012 Gmdrm	hypo	CHG	-0.7216
Gm19	41149629	41149739 Gmdrm	hypo	CHG	-0.2363
Gm19	41150705	41150737 Gmdrm	hypo	CHG	-0.45
Gm19	41162096	41162275 Gmdrm	hypo	CHG	-0.0283
Gm19	41169003	41169018 Gmdrm	hypo	CHG	-0.18
Gm19	41173214	41173342 Gmdrm	hypo	CHG	-0.058
Gm19	41193420	41193577 Gmdrm	hypo	CHG	-0.4229
Gm19	41193838	41194026 Gmdrm	hypo	CHG	-0.1064
Gm19	41194374	41194523 Gmdrm	hypo	CHG	-0.6711
Gm19	41205256	41205692 Gmdrm	hypo	CHG	-0.6556
Gm19	41205828	41206404 Gmdrm	hypo	CHG	-0.287
Gm19	41217623	41217881 Gmdrm	hypo	CHG	-0.7514
Gm19	41218235	41218770 Gmdrm	hypo	CHG	-0.306
Gm19	41227741	41227941 Gmdrm	hypo	CHG	-0.5567
Gm19	41236787	41237223 Gmdrm	hypo	CHG	-0.2623

Gm19	41289448	41289710	Gmdrm	hypo	CHG	-0.3206
Gm19	41298265	41298493	Gmdrm	hypo	CHG	-0.6337
Gm19	41299320	41299789	Gmdrm	hypo	CHG	-0.5196
Gm19	41300183	41300200	Gmdrm	hypo	CHG	-0.476
Gm19	41300301	41300457	Gmdrm	hypo	CHG	-0.3511
Gm19	41303408	41303495	Gmdrm	hypo	CHG	-0.5644
Gm19	41311715	41311924	Gmdrm	hypo	CHG	-0.5363
Gm19	41326458	41326677	Gmdrm	hypo	CHG	-0.7536
Gm19	41366008	41366267	Gmdrm	hypo	CHG	-0.4978
Gm19	41368298	41368780	Gmdrm	hypo	CHG	-0.4073
Gm19	41409399	41409629	Gmdrm	hypo	CHG	-0.0299
Gm19	41409894	41409963	Gmdrm	hypo	CHG	-0.5016
Gm19	41410152	41410303	Gmdrm	hypo	CHG	-0.7009
Gm19	41416979	41417175	Gmdrm	hypo	CHG	-0.2876
Gm19	41429135	41429539	Gmdrm	hypo	CHG	-0.0309
Gm19	41438451	41438630	Gmdrm	hypo	CHG	-0.4367
Gm19	41445915	41446088	Gmdrm	hypo	CHG	-0.034
Gm19	41459474	41459546	Gmdrm	hypo	CHG	-0.3034
Gm19	41465934	41466874	Gmdrm	hypo	CHG	-0.1791
Gm19	41466947	41467134	Gmdrm	hypo	CHG	-0.5
Gm19	41469362	41469774	Gmdrm	hypo	CHG	-0.044
Gm19	41470064	41470278	Gmdrm	hypo	CHG	-0.536
Gm19	41524195	41524319	Gmdrm	hypo	CHG	-0.04
Gm19	41536572	41536637	Gmdrm	hypo	CHG	-0.3417
Gm19	41560381	41560649	Gmdrm	hypo	CHG	-0.8889
Gm19	41560755	41560913	Gmdrm	hypo	CHG	-0.9532
Gm19	41568382	41568527	Gmdrm	hypo	CHG	-0.7711
Gm19	41568768	41568961	Gmdrm	hypo	CHG	-0.7322
Gm19	41572688	41572922	Gmdrm	hypo	CHG	-0.4133
Gm19	41575501	41575644	Gmdrm	hypo	CHG	-0.042
Gm19	41575986	41576230	Gmdrm	hypo	CHG	-0.6536
Gm19	41576506	41576658	Gmdrm	hypo	CHG	-0.6186
Gm19	41578476	41578963	Gmdrm	hypo	CHG	-0.1766
Gm19	41579150	41579333	Gmdrm	hypo	CHG	-0.0536
Gm19	41580833	41580921	Gmdrm	hypo	CHG	-0.4666
Gm19	41583734	41583953	Gmdrm	hypo	CHG	-0.2228
Gm19	41593397	41593739	Gmdrm	hypo	CHG	-0.258
Gm19	41597269	41597356	Gmdrm	hypo	CHG	-0.67
Gm19	41608047	41608483	Gmdrm	hypo	CHG	-0.4831
Gm19	41615181	41615266	Gmdrm	hypo	CHG	-0.738
Gm19	41615405	41615476	Gmdrm	hypo	CHG	-0.745
Gm19	41622029	41622580	Gmdrm	hypo	CHG	-0.7651
Gm19	41622724	41622860	Gmdrm	hypo	CHG	-0.6538
Gm19	41629290	41629458	Gmdrm	hypo	CHG	-0.3766
Gm19	41644058	41644256	Gmdrm	hypo	CHG	-0.0367
Gm19	41654329	41654523	Gmdrm	hypo	CHG	-0.1543

Gm19	41683083	41683208 Gmdrm	hypo	CHG	-0.9514
Gm19	41692426	41692544 Gmdrm	hypo	CHG	-0.0416
Gm19	41698923	41699100 Gmdrm	hypo	CHG	-0.5922
Gm19	41700338	41700519 Gmdrm	hypo	CHG	-0.8423
Gm19	41701671	41701857 Gmdrm	hypo	CHG	-0.7558
Gm19	41729679	41729956 Gmdrm	hypo	CHG	-0.0358
Gm19	41759424	41759628 Gmdrm	hypo	CHG	-0.2686
Gm19	41764491	41765034 Gmdrm	hypo	CHG	-0.5916
Gm19	41767435	41767467 Gmdrm	hypo	CHG	-0.825
Gm19	41767727	41767807 Gmdrm	hypo	CHG	-0.71
Gm19	41774295	41774567 Gmdrm	hypo	CHG	-0.7018
Gm19	41779889	41779984 Gmdrm	hypo	CHG	-0.1543
Gm19	41780600	41780650 Gmdrm	hypo	CHG	-0.2172
Gm19	41786293	41786556 Gmdrm	hypo	CHG	-0.0317
Gm19	41824286	41824613 Gmdrm	hypo	CHG	-0.03
Gm19	41833753	41833945 Gmdrm	hypo	CHG	-0.108
Gm19	41846351	41846473 Gmdrm	hypo	CHG	-0.2783
Gm19	41852405	41852677 Gmdrm	hypo	CHG	-0.887
Gm19	41852907	41853080 Gmdrm	hypo	CHG	-0.4567
Gm19	41853628	41853977 Gmdrm	hypo	CHG	-0.7321
Gm19	41865490	41865528 Gmdrm	hypo	CHG	-0.076
Gm19	41914577	41914760 Gmdrm	hypo	CHG	-0.298
Gm19	41915395	41915575 Gmdrm	hypo	CHG	-0.7144
Gm19	41916031	41916054 Gmdrm	hypo	CHG	-0.75
Gm19	41920591	41920848 Gmdrm	hypo	CHG	-0.34
Gm19	41941187	41941323 Gmdrm	hypo	CHG	-0.3666
Gm19	41956825	41957355 Gmdrm	hypo	CHG	-0.0367
Gm19	41959469	41959790 Gmdrm	hypo	CHG	-0.0675
Gm19	41960391	41960520 Gmdrm	hypo	CHG	-0.035
Gm19	41968022	41968633 Gmdrm	hypo	CHG	-0.42
Gm19	41996097	41996324 Gmdrm	hypo	CHG	-0.0988
Gm19	42005166	42005289 Gmdrm	hypo	CHG	-0.0633
Gm19	42013660	42013829 Gmdrm	hypo	CHG	-0.385
Gm19	42017721	42018120 Gmdrm	hypo	CHG	-0.0478
Gm19	42021121	42021328 Gmdrm	hypo	CHG	-0.2828
Gm19	42021626	42021771 Gmdrm	hypo	CHG	-0.475
Gm19	42028802	42029352 Gmdrm	hypo	CHG	-0.1539
Gm19	42036812	42036921 Gmdrm	hypo	CHG	-0.1017
Gm19	42041327	42041428 Gmdrm	hypo	CHG	-0.708
Gm19	42060244	42060446 Gmdrm	hypo	CHG	-0.663
Gm19	42063903	42064046 Gmdrm	hypo	CHG	-0.036
Gm19	42119696	42119719 Gmdrm	hypo	CHG	-0.65
Gm19	42137395	42137710 Gmdrm	hypo	CHG	-0.559
Gm19	42137884	42137986 Gmdrm	hypo	CHG	-0.6984
Gm19	42145393	42145529 Gmdrm	hypo	CHG	-0.036
Gm19	42148624	42148809 Gmdrm	hypo	CHG	-0.0614

Gm19	42154789	42155027	Gmdrm	hypo	CHG	-0.5654
Gm19	42159815	42159983	Gmdrm	hypo	CHG	-0.5075
Gm19	42160237	42160671	Gmdrm	hypo	CHG	-0.4106
Gm19	42161165	42161437	Gmdrm	hypo	CHG	-0.1729
Gm19	42163918	42164022	Gmdrm	hypo	CHG	-0.832
Gm19	42164173	42164254	Gmdrm	hypo	CHG	-0.8243
Gm19	42177568	42177840	Gmdrm	hypo	CHG	-0.0224
Gm19	42185816	42186175	Gmdrm	hypo	CHG	-0.5793
Gm19	42186527	42186877	Gmdrm	hypo	CHG	-0.5723
Gm19	42196948	42197239	Gmdrm	hypo	CHG	-0.475
Gm19	42197422	42197807	Gmdrm	hypo	CHG	-0.2871
Gm19	42200326	42200443	Gmdrm	hypo	CHG	-0.635
Gm19	42223634	42223893	Gmdrm	hypo	CHG	-0.193
Gm19	42224031	42224078	Gmdrm	hypo	CHG	-0.5333
Gm19	42224274	42224320	Gmdrm	hypo	CHG	-0.338
Gm19	42250469	42250651	Gmdrm	hypo	CHG	-0.042
Gm19	42271265	42271381	Gmdrm	hypo	CHG	-0.0286
Gm19	42275789	42276227	Gmdrm	hypo	CHG	-0.3552
Gm19	42280761	42280979	Gmdrm	hypo	CHG	-0.06
Gm19	42281450	42281711	Gmdrm	hypo	CHG	-0.5426
Gm19	42282557	42283113	Gmdrm	hypo	CHG	-0.415
Gm19	42283231	42283331	Gmdrm	hypo	CHG	-0.195
Gm19	42312853	42313064	Gmdrm	hypo	CHG	-0.7588
Gm19	42322529	42322713	Gmdrm	hypo	CHG	-0.68
Gm19	42336324	42336603	Gmdrm	hypo	CHG	-0.65
Gm19	42360298	42360394	Gmdrm	hypo	CHG	-0.2938
Gm19	42368055	42368361	Gmdrm	hypo	CHG	-0.7366
Gm19	42369068	42369223	Gmdrm	hypo	CHG	-0.7743
Gm19	42414797	42414891	Gmdrm	hypo	CHG	-0.522
Gm19	42420137	42420456	Gmdrm	hypo	CHG	-0.7158
Gm19	42450257	42450587	Gmdrm	hypo	CHG	-0.0467
Gm19	42457507	42457649	Gmdrm	hypo	CHG	-0.05
Gm19	42463163	42463269	Gmdrm	hypo	CHG	-0.04
Gm19	42464838	42465326	Gmdrm	hypo	CHG	-0.0607
Gm19	42471604	42471719	Gmdrm	hypo	CHG	-0.65
Gm19	42471927	42472039	Gmdrm	hypo	CHG	-0.39
Gm19	42495617	42495960	Gmdrm	hypo	CHG	-0.4825
Gm19	42497382	42497503	Gmdrm	hypo	CHG	-0.3533
Gm19	42502085	42502138	Gmdrm	hypo	CHG	-0.6667
Gm19	42510102	42510257	Gmdrm	hypo	CHG	-0.8413
Gm19	42511168	42511428	Gmdrm	hypo	CHG	-0.8088
Gm19	42566773	42567066	Gmdrm	hypo	CHG	-0.1558
Gm19	42589057	42589201	Gmdrm	hypo	CHG	-0.03
Gm19	42595309	42595499	Gmdrm	hypo	CHG	-0.0412
Gm19	42601907	42602050	Gmdrm	hypo	CHG	-0.734
Gm19	42607546	42608045	Gmdrm	hypo	CHG	-0.4997

Gm19	42616274	42616444	Gmdrm	hypo	CHG	-0.051
Gm19	42634946	42635312	Gmdrm	hypo	CHG	-0.0242
Gm19	42648221	42648383	Gmdrm	hypo	CHG	-0.032
Gm19	42669613	42669693	Gmdrm	hypo	CHG	-0.778
Gm19	42686132	42686431	Gmdrm	hypo	CHG	-0.0345
Gm19	42710986	42711192	Gmdrm	hypo	CHG	-0.3923
Gm19	42711857	42711959	Gmdrm	hypo	CHG	-0.878
Gm19	42724733	42724887	Gmdrm	hypo	CHG	-0.6872
Gm19	42725083	42725345	Gmdrm	hypo	CHG	-0.77
Gm19	42736024	42736134	Gmdrm	hypo	CHG	-0.5234
Gm19	42744669	42744974	Gmdrm	hypo	CHG	-0.389
Gm19	42745140	42745497	Gmdrm	hypo	CHG	-0.6218
Gm19	42763778	42763927	Gmdrm	hypo	CHG	-0.3776
Gm19	42787670	42788110	Gmdrm	hypo	CHG	-0.4388
Gm19	42804313	42804414	Gmdrm	hypo	CHG	-0.61
Gm19	42805496	42805632	Gmdrm	hypo	CHG	-0.5986
Gm19	42812205	42812459	Gmdrm	hypo	CHG	-0.697
Gm19	42821846	42822174	Gmdrm	hypo	CHG	-0.8
Gm19	42857262	42857445	Gmdrm	hypo	CHG	-0.656
Gm19	42872345	42872368	Gmdrm	hypo	CHG	-0.892
Gm19	42888868	42889107	Gmdrm	hypo	CHG	-0.7519
Gm19	42889570	42889695	Gmdrm	hypo	CHG	-0.803
Gm19	42889843	42890109	Gmdrm	hypo	CHG	-0.7775
Gm19	42904626	42904910	Gmdrm	hypo	CHG	-0.2547
Gm19	42905029	42905163	Gmdrm	hypo	CHG	-0.744
Gm19	42905352	42905507	Gmdrm	hypo	CHG	-0.1325
Gm19	42911014	42911043	Gmdrm	hypo	CHG	-0.4616
Gm19	42917571	42917752	Gmdrm	hypo	CHG	-0.4933
Gm19	42917889	42918032	Gmdrm	hypo	CHG	-0.555
Gm19	42921528	42921585	Gmdrm	hypo	CHG	-0.404
Gm19	42921819	42921860	Gmdrm	hypo	CHG	-0.825
Gm19	42922155	42922248	Gmdrm	hypo	CHG	-0.685
Gm19	42922418	42922468	Gmdrm	hypo	CHG	-0.68
Gm19	42948536	42948742	Gmdrm	hypo	CHG	-0.0367
Gm19	42958095	42958607	Gmdrm	hypo	CHG	-0.6962
Gm19	42972879	42972916	Gmdrm	hypo	CHG	-0.425
Gm19	42973184	42973343	Gmdrm	hypo	CHG	-0.3767
Gm19	42978554	42978733	Gmdrm	hypo	CHG	-0.0991
Gm19	42992010	42992113	Gmdrm	hypo	CHG	-0.6324
Gm19	42992242	42992422	Gmdrm	hypo	CHG	-0.6762
Gm19	43008711	43008983	Gmdrm	hypo	CHG	-0.3225
Gm19	43009130	43009371	Gmdrm	hypo	CHG	-0.075
Gm19	43020079	43020358	Gmdrm	hypo	CHG	-0.6619
Gm19	43026749	43026863	Gmdrm	hypo	CHG	-0.6256
Gm19	43027418	43027561	Gmdrm	hypo	CHG	-0.5789
Gm19	43048644	43048911	Gmdrm	hypo	CHG	-0.0462

Gm19	43061001	43061147	Gmdrm	hypo	CHG	-0.5517
Gm19	43061250	43061471	Gmdrm	hypo	CHG	-0.5484
Gm19	43066578	43066828	Gmdrm	hypo	CHG	-0.2575
Gm19	43074720	43074936	Gmdrm	hypo	CHG	-0.2075
Gm19	43086364	43086609	Gmdrm	hypo	CHG	-0.0326
Gm19	43110920	43111283	Gmdrm	hypo	CHG	-0.7075
Gm19	43111621	43111771	Gmdrm	hypo	CHG	-0.83
Gm19	43111907	43112028	Gmdrm	hypo	CHG	-0.705
Gm19	43116263	43116381	Gmdrm	hypo	CHG	-0.5083
Gm19	43122689	43122861	Gmdrm	hypo	CHG	-0.6957
Gm19	43123441	43123618	Gmdrm	hypo	CHG	-0.5967
Gm19	43140516	43140662	Gmdrm	hypo	CHG	-0.054
Gm19	43148407	43148539	Gmdrm	hypo	CHG	-0.696
Gm19	43149780	43150038	Gmdrm	hypo	CHG	-0.4392
Gm19	43152215	43152357	Gmdrm	hypo	CHG	-0.2911
Gm19	43152475	43152657	Gmdrm	hypo	CHG	-0.3846
Gm19	43153268	43153469	Gmdrm	hypo	CHG	-0.4933
Gm19	43153626	43153769	Gmdrm	hypo	CHG	-0.4078
Gm19	43163933	43164158	Gmdrm	hypo	CHG	-0.116
Gm19	43175705	43175786	Gmdrm	hypo	CHG	-0.09
Gm19	43181162	43181331	Gmdrm	hypo	CHG	-0.048
Gm19	43195055	43195222	Gmdrm	hypo	CHG	-0.5716
Gm19	43196792	43196816	Gmdrm	hypo	CHG	-0.3833
Gm19	43199557	43199688	Gmdrm	hypo	CHG	-0.4167
Gm19	43199987	43200206	Gmdrm	hypo	CHG	-0.6987
Gm19	43216501	43216739	Gmdrm	hypo	CHG	-0.5288
Gm19	43231560	43231735	Gmdrm	hypo	CHG	-0.43
Gm19	43240491	43240626	Gmdrm	hypo	CHG	-0.048
Gm19	43249491	43250000	Gmdrm	hypo	CHG	-0.0407
Gm19	43292829	43293010	Gmdrm	hypo	CHG	-0.3023
Gm19	43304025	43304276	Gmdrm	hypo	CHG	-0.04
Gm19	43311802	43311917	Gmdrm	hypo	CHG	-0.04
Gm19	43319906	43320211	Gmdrm	hypo	CHG	-0.04
Gm19	43329307	43329471	Gmdrm	hypo	CHG	-0.5175
Gm19	43329982	43330130	Gmdrm	hypo	CHG	-0.9523
Gm19	43337878	43337989	Gmdrm	hypo	CHG	-0.064
Gm19	43362479	43362681	Gmdrm	hypo	CHG	-0.3725
Gm19	43387122	43387239	Gmdrm	hypo	CHG	-0.3416
Gm19	43387738	43388024	Gmdrm	hypo	CHG	-0.47
Gm19	43388218	43388970	Gmdrm	hypo	CHG	-0.28
Gm19	43394407	43394578	Gmdrm	hypo	CHG	-0.538
Gm19	43394868	43395003	Gmdrm	hypo	CHG	-0.698
Gm19	43400782	43400798	Gmdrm	hypo	CHG	-0.7583
Gm19	43400928	43401101	Gmdrm	hypo	CHG	-0.8912
Gm19	43422010	43422502	Gmdrm	hypo	CHG	-0.2634
Gm19	43435678	43435909	Gmdrm	hypo	CHG	-0.0386

Gm19	43444890	43445156	Gmdrm	hypo	CHG	-0.6296
Gm19	43446837	43447041	Gmdrm	hypo	CHG	-0.0625
Gm19	43447182	43447290	Gmdrm	hypo	CHG	-0.1145
Gm19	43449480	43449766	Gmdrm	hypo	CHG	-0.2582
Gm19	43464490	43464657	Gmdrm	hypo	CHG	-0.571
Gm19	43464970	43465256	Gmdrm	hypo	CHG	-0.5141
Gm19	43468767	43468969	Gmdrm	hypo	CHG	-0.066
Gm19	43492161	43492525	Gmdrm	hypo	CHG	-0.1994
Gm19	43492908	43493031	Gmdrm	hypo	CHG	-0.6112
Gm19	43494827	43495120	Gmdrm	hypo	CHG	-0.8526
Gm19	43495390	43495539	Gmdrm	hypo	CHG	-0.5867
Gm19	43495658	43495922	Gmdrm	hypo	CHG	-0.52
Gm19	43496038	43496255	Gmdrm	hypo	CHG	-0.5933
Gm19	43496415	43496729	Gmdrm	hypo	CHG	-0.4985
Gm19	43497090	43497399	Gmdrm	hypo	CHG	-0.708
Gm19	43497670	43498129	Gmdrm	hypo	CHG	-0.3024
Gm19	43501803	43501998	Gmdrm	hypo	CHG	-0.655
Gm19	43516177	43516662	Gmdrm	hypo	CHG	-0.0442
Gm19	43531071	43531274	Gmdrm	hypo	CHG	-0.0701
Gm19	43534614	43534841	Gmdrm	hypo	CHG	-0.6255
Gm19	43535883	43536081	Gmdrm	hypo	CHG	-0.0571
Gm19	43544156	43544564	Gmdrm	hypo	CHG	-0.0355
Gm19	43555880	43555974	Gmdrm	hypo	CHG	-0.38
Gm19	43561280	43561512	Gmdrm	hypo	CHG	-0.3043
Gm19	43583769	43583977	Gmdrm	hypo	CHG	-0.06
Gm19	43587674	43587883	Gmdrm	hypo	CHG	-0.0386
Gm19	43643736	43644147	Gmdrm	hypo	CHG	-0.6573
Gm19	43644353	43644541	Gmdrm	hypo	CHG	-0.332
Gm19	43644872	43645496	Gmdrm	hypo	CHG	-0.2292
Gm19	43647493	43648024	Gmdrm	hypo	CHG	-0.545
Gm19	43648570	43648779	Gmdrm	hypo	CHG	-0.6406
Gm19	43651746	43651839	Gmdrm	hypo	CHG	-0.698
Gm19	43652735	43652922	Gmdrm	hypo	CHG	-0.056
Gm19	43691282	43691447	Gmdrm	hypo	CHG	-0.034
Gm19	43715070	43715122	Gmdrm	hypo	CHG	-0.592
Gm19	43717816	43717970	Gmdrm	hypo	CHG	-0.3883
Gm19	43718583	43718984	Gmdrm	hypo	CHG	-0.4709
Gm19	43721196	43721454	Gmdrm	hypo	CHG	-0.153
Gm19	43722282	43722484	Gmdrm	hypo	CHG	-0.5629
Gm19	43729128	43729519	Gmdrm	hypo	CHG	-0.0446
Gm19	43745672	43745990	Gmdrm	hypo	CHG	-0.4131
Gm19	43747473	43747941	Gmdrm	hypo	CHG	-0.6026
Gm19	43760787	43760931	Gmdrm	hypo	CHG	-0.05
Gm19	43764626	43765108	Gmdrm	hypo	CHG	-0.6533
Gm19	43781858	43782040	Gmdrm	hypo	CHG	-0.04
Gm19	43789377	43789631	Gmdrm	hypo	CHG	-0.4829

Gm19	43791753	43791819	Gmdrm	hypo	CHG	-0.775
Gm19	43792467	43792687	Gmdrm	hypo	CHG	-0.8847
Gm19	43815595	43815849	Gmdrm	hypo	CHG	-0.8425
Gm19	43835535	43835847	Gmdrm	hypo	CHG	-0.8235
Gm19	43846684	43846839	Gmdrm	hypo	CHG	-0.273
Gm19	43856199	43856415	Gmdrm	hypo	CHG	-0.048
Gm19	43868857	43869283	Gmdrm	hypo	CHG	-0.236
Gm19	43869425	43869826	Gmdrm	hypo	CHG	-0.0466
Gm19	43889793	43889850	Gmdrm	hypo	CHG	-0.0864
Gm19	43889968	43890281	Gmdrm	hypo	CHG	-0.7925
Gm19	43890872	43891041	Gmdrm	hypo	CHG	-0.667
Gm19	43892039	43892358	Gmdrm	hypo	CHG	-0.6033
Gm19	43918466	43918877	Gmdrm	hypo	CHG	-0.5694
Gm19	43938763	43939096	Gmdrm	hypo	CHG	-0.0388
Gm19	43953173	43953201	Gmdrm	hypo	CHG	-0.544
Gm19	43966793	43967041	Gmdrm	hypo	CHG	-0.154
Gm19	43987201	43987404	Gmdrm	hypo	CHG	-0.705
Gm19	44009182	44009549	Gmdrm	hypo	CHG	-0.1469
Gm19	44015954	44016608	Gmdrm	hypo	CHG	-0.6713
Gm19	44017185	44017577	Gmdrm	hypo	CHG	-0.6019
Gm19	44025739	44025919	Gmdrm	hypo	CHG	-0.769
Gm19	44079050	44079236	Gmdrm	hypo	CHG	-0.038
Gm19	44143544	44143765	Gmdrm	hypo	CHG	-0.0517
Gm19	44152796	44152937	Gmdrm	hypo	CHG	-0.0567
Gm19	44167773	44168053	Gmdrm	hypo	CHG	-0.0146
Gm19	44185769	44185887	Gmdrm	hypo	CHG	-0.2738
Gm19	44198396	44198722	Gmdrm	hypo	CHG	-0.6387
Gm19	44208002	44208566	Gmdrm	hypo	CHG	-0.0236
Gm19	44231399	44231427	Gmdrm	hypo	CHG	-0.24
Gm19	44235253	44235539	Gmdrm	hypo	CHG	-0.0386
Gm19	44298302	44298696	Gmdrm	hypo	CHG	-0.6592
Gm19	44298801	44299075	Gmdrm	hypo	CHG	-0.5428
Gm19	44299181	44299236	Gmdrm	hypo	CHG	-0.402
Gm19	44299511	44300005	Gmdrm	hypo	CHG	-0.1954
Gm19	44301151	44301506	Gmdrm	hypo	CHG	-0.3417
Gm19	44303981	44304169	Gmdrm	hypo	CHG	-0.064
Gm19	44304814	44304894	Gmdrm	hypo	CHG	-0.6533
Gm19	44305030	44305223	Gmdrm	hypo	CHG	-0.792
Gm19	44330916	44331035	Gmdrm	hypo	CHG	-0.04
Gm19	44337481	44337692	Gmdrm	hypo	CHG	-0.033
Gm19	44339089	44339160	Gmdrm	hypo	CHG	-0.828
Gm19	44341481	44341686	Gmdrm	hypo	CHG	-0.059
Gm19	44346132	44346315	Gmdrm	hypo	CHG	-0.3017
Gm19	44350462	44350499	Gmdrm	hypo	CHG	-0.33
Gm19	44354156	44354278	Gmdrm	hypo	CHG	-0.4515
Gm19	44355029	44355120	Gmdrm	hypo	CHG	-0.45

Gm19	44359338	44359590	Gmdrm	hypo	CHG	-0.4957
Gm19	44359735	44359871	Gmdrm	hypo	CHG	-0.4411
Gm19	44362062	44362176	Gmdrm	hypo	CHG	-0.74
Gm19	44362305	44362818	Gmdrm	hypo	CHG	-0.179
Gm19	44364625	44364904	Gmdrm	hypo	CHG	-0.4814
Gm19	44377528	44378320	Gmdrm	hypo	CHG	-0.1995
Gm19	44384188	44384241	Gmdrm	hypo	CHG	-0.2257
Gm19	44416122	44416494	Gmdrm	hypo	CHG	-0.2654
Gm19	44436850	44436943	Gmdrm	hypo	CHG	-0.124
Gm19	44458495	44458708	Gmdrm	hypo	CHG	-0.8477
Gm19	44465549	44465629	Gmdrm	hypo	CHG	-0.036
Gm19	44469294	44469457	Gmdrm	hypo	CHG	-0.5163
Gm19	44484826	44484875	Gmdrm	hypo	CHG	-0.058
Gm19	44511574	44511851	Gmdrm	hypo	CHG	-0.39
Gm19	44512100	44512316	Gmdrm	hypo	CHG	-0.6826
Gm19	44525615	44525765	Gmdrm	hypo	CHG	-0.7369
Gm19	44546610	44547186	Gmdrm	hypo	CHG	-0.3107
Gm19	44550432	44550953	Gmdrm	hypo	CHG	-0.5531
Gm19	44569328	44569599	Gmdrm	hypo	CHG	-0.2282
Gm19	44581540	44581786	Gmdrm	hypo	CHG	-0.7472
Gm19	44582220	44582347	Gmdrm	hypo	CHG	-0.052
Gm19	44587814	44587990	Gmdrm	hypo	CHG	-0.2654
Gm19	44588172	44588397	Gmdrm	hypo	CHG	-0.6171
Gm19	44619037	44619137	Gmdrm	hypo	CHG	-0.1167
Gm19	44619926	44620144	Gmdrm	hypo	CHG	-0.0376
Gm19	44634290	44634338	Gmdrm	hypo	CHG	-0.64
Gm19	44634661	44635029	Gmdrm	hypo	CHG	-0.7239
Gm19	44644541	44644677	Gmdrm	hypo	CHG	-0.124
Gm19	44650044	44650426	Gmdrm	hypo	CHG	-0.9264
Gm19	44663732	44663778	Gmdrm	hypo	CHG	-0.874
Gm19	44663976	44664019	Gmdrm	hypo	CHG	-0.065
Gm19	44667961	44668208	Gmdrm	hypo	CHG	-0.1978
Gm19	44668473	44668528	Gmdrm	hypo	CHG	-0.835
Gm19	44715844	44715972	Gmdrm	hypo	CHG	-0.088
Gm19	44779123	44779515	Gmdrm	hypo	CHG	-0.306
Gm19	44797024	44797094	Gmdrm	hypo	CHG	-0.57
Gm19	44807681	44807939	Gmdrm	hypo	CHG	-0.3224
Gm19	44813531	44813714	Gmdrm	hypo	CHG	-0.7206
Gm19	44813966	44814171	Gmdrm	hypo	CHG	-0.5221
Gm19	44816933	44817076	Gmdrm	hypo	CHG	-0.71
Gm19	44879988	44880058	Gmdrm	hypo	CHG	-0.866
Gm19	44880982	44881152	Gmdrm	hypo	CHG	-0.6025
Gm19	44883605	44883864	Gmdrm	hypo	CHG	-0.6935
Gm19	44887271	44887354	Gmdrm	hypo	CHG	-0.095
Gm19	44906493	44906665	Gmdrm	hypo	CHG	-0.8415
Gm19	44947573	44947966	Gmdrm	hypo	CHG	-0.036

Gm19	44953228	44953381	Gmdrm	hypo	CHG	-0.039
Gm19	44958416	44958562	Gmdrm	hypo	CHG	-0.545
Gm19	44958753	44958825	Gmdrm	hypo	CHG	-0.8155
Gm19	45009516	45009702	Gmdrm	hypo	CHG	-0.8018
Gm19	45010163	45010717	Gmdrm	hypo	CHG	-0.643
Gm19	45010836	45010948	Gmdrm	hypo	CHG	-0.0467
Gm19	45015446	45015756	Gmdrm	hypo	CHG	-0.0487
Gm19	45022741	45022900	Gmdrm	hypo	CHG	-0.1791
Gm19	45024691	45025059	Gmdrm	hypo	CHG	-0.0222
Gm19	45032977	45033026	Gmdrm	hypo	CHG	-0.44
Gm19	45051697	45051712	Gmdrm	hypo	CHG	-0.802
Gm19	45052905	45052973	Gmdrm	hypo	CHG	-0.3921
Gm19	45053241	45053417	Gmdrm	hypo	CHG	-0.0383
Gm19	45057354	45057620	Gmdrm	hypo	CHG	-0.805
Gm19	45064646	45064687	Gmdrm	hypo	CHG	-0.2717
Gm19	45065412	45065595	Gmdrm	hypo	CHG	-0.042
Gm19	45086181	45086347	Gmdrm	hypo	CHG	-0.2693
Gm19	45122252	45122529	Gmdrm	hypo	CHG	-0.6585
Gm19	45122678	45123154	Gmdrm	hypo	CHG	-0.6838
Gm19	45123679	45123847	Gmdrm	hypo	CHG	-0.3514
Gm19	45132081	45132354	Gmdrm	hypo	CHG	-0.4171
Gm19	45132505	45132686	Gmdrm	hypo	CHG	-0.2991
Gm19	45141036	45141133	Gmdrm	hypo	CHG	-0.7786
Gm19	45145386	45145931	Gmdrm	hypo	CHG	-0.03
Gm19	45159473	45159648	Gmdrm	hypo	CHG	-0.0883
Gm19	45162091	45162192	Gmdrm	hypo	CHG	-0.149
Gm19	45171861	45172038	Gmdrm	hypo	CHG	-0.45
Gm19	45184448	45184703	Gmdrm	hypo	CHG	-0.0362
Gm19	45205084	45205290	Gmdrm	hypo	CHG	-0.7589
Gm19	45217326	45217463	Gmdrm	hypo	CHG	-0.054
Gm19	45227457	45227775	Gmdrm	hypo	CHG	-0.0389
Gm19	45231937	45232103	Gmdrm	hypo	CHG	-0.0516
Gm19	45275211	45275556	Gmdrm	hypo	CHG	-0.705
Gm19	45313596	45313734	Gmdrm	hypo	CHG	-0.4762
Gm19	45317504	45317975	Gmdrm	hypo	CHG	-0.3186
Gm19	45319408	45319909	Gmdrm	hypo	CHG	-0.0725
Gm19	45327624	45328578	Gmdrm	hypo	CHG	-0.3102
Gm19	45359236	45359515	Gmdrm	hypo	CHG	-0.0367
Gm19	45365735	45365837	Gmdrm	hypo	CHG	-0.7734
Gm19	45375594	45375862	Gmdrm	hypo	CHG	-0.229
Gm19	45376336	45377300	Gmdrm	hypo	CHG	-0.3084
Gm19	45384745	45385106	Gmdrm	hypo	CHG	-0.7374
Gm19	45394904	45394956	Gmdrm	hypo	CHG	-0.596
Gm19	45395063	45395456	Gmdrm	hypo	CHG	-0.2926
Gm19	45395607	45396128	Gmdrm	hypo	CHG	-0.3122
Gm19	45414516	45414780	Gmdrm	hypo	CHG	-0.04

Gm19	45443412	45443475	Gmdrm	hypo	CHG	-0.2143
Gm19	45447020	45447338	Gmdrm	hypo	CHG	-0.503
Gm19	45447580	45447676	Gmdrm	hypo	CHG	-0.3463
Gm19	45463862	45464104	Gmdrm	hypo	CHG	-0.8744
Gm19	45482116	45482276	Gmdrm	hypo	CHG	-0.3357
Gm19	45489929	45490162	Gmdrm	hypo	CHG	-0.0443
Gm19	45522991	45523585	Gmdrm	hypo	CHG	-0.419
Gm19	45525852	45525951	Gmdrm	hypo	CHG	-0.074
Gm19	45531520	45531688	Gmdrm	hypo	CHG	-0.7517
Gm19	45575513	45575720	Gmdrm	hypo	CHG	-0.54
Gm19	45607863	45608106	Gmdrm	hypo	CHG	-0.176
Gm19	45608667	45608721	Gmdrm	hypo	CHG	-0.4172
Gm19	45608999	45609048	Gmdrm	hypo	CHG	-0.74
Gm19	45615351	45615601	Gmdrm	hypo	CHG	-0.1236
Gm19	45622443	45622725	Gmdrm	hypo	CHG	-0.5074
Gm19	45678330	45678435	Gmdrm	hypo	CHG	-0.04
Gm19	45679022	45679160	Gmdrm	hypo	CHG	-0.7
Gm19	45681042	45681406	Gmdrm	hypo	CHG	-0.0366
Gm19	45681855	45682691	Gmdrm	hypo	CHG	-0.3278
Gm19	45682848	45683301	Gmdrm	hypo	CHG	-0.2059
Gm19	45704633	45704807	Gmdrm	hypo	CHG	-0.6088
Gm19	45704974	45705062	Gmdrm	hypo	CHG	-0.0416
Gm19	45713992	45714098	Gmdrm	hypo	CHG	-0.05
Gm19	45716363	45716383	Gmdrm	hypo	CHG	-0.094
Gm19	45724547	45724624	Gmdrm	hypo	CHG	-0.3925
Gm19	45724726	45725235	Gmdrm	hypo	CHG	-0.2289
Gm19	45761717	45761784	Gmdrm	hypo	CHG	-0.088
Gm19	45780911	45781158	Gmdrm	hypo	CHG	-0.66
Gm19	45790969	45791083	Gmdrm	hypo	CHG	-0.862
Gm19	45791217	45791431	Gmdrm	hypo	CHG	-0.6217
Gm19	45800720	45800809	Gmdrm	hypo	CHG	-0.202
Gm19	45814218	45814343	Gmdrm	hypo	CHG	-0.49
Gm19	45821121	45821807	Gmdrm	hypo	CHG	-0.5789
Gm19	45822345	45822758	Gmdrm	hypo	CHG	-0.6556
Gm19	45841596	45841671	Gmdrm	hypo	CHG	-0.634
Gm19	45842173	45842272	Gmdrm	hypo	CHG	-0.2462
Gm19	45847709	45848117	Gmdrm	hypo	CHG	-0.0577
Gm19	45888881	45889256	Gmdrm	hypo	CHG	-0.48
Gm19	45896574	45896634	Gmdrm	hypo	CHG	-0.54
Gm19	45916823	45917172	Gmdrm	hypo	CHG	-0.41
Gm19	45917401	45917477	Gmdrm	hypo	CHG	-0.228
Gm19	45939860	45940027	Gmdrm	hypo	CHG	-0.048
Gm19	45941551	45941745	Gmdrm	hypo	CHG	-0.0425
Gm19	45945432	45945751	Gmdrm	hypo	CHG	-0.1276
Gm19	45946746	45946891	Gmdrm	hypo	CHG	-0.2567
Gm19	45950052	45950122	Gmdrm	hypo	CHG	-0.5967

Gm19	45964874	45964993	Gmdrm	hypo	CHG	-0.442
Gm19	45966095	45966338	Gmdrm	hypo	CHG	-0.0314
Gm19	45967946	45968033	Gmdrm	hypo	CHG	-0.672
Gm19	45968382	45968436	Gmdrm	hypo	CHG	-0.7683
Gm19	45968635	45968864	Gmdrm	hypo	CHG	-0.3713
Gm19	45986134	45986623	Gmdrm	hypo	CHG	-0.5852
Gm19	46005384	46005502	Gmdrm	hypo	CHG	-0.0466
Gm19	46005705	46005843	Gmdrm	hypo	CHG	-0.765
Gm19	46006799	46007058	Gmdrm	hypo	CHG	-0.63
Gm19	46012339	46012443	Gmdrm	hypo	CHG	-0.3567
Gm19	46012671	46012845	Gmdrm	hypo	CHG	-0.24
Gm19	46016393	46016856	Gmdrm	hypo	CHG	-0.258
Gm19	46022921	46023494	Gmdrm	hypo	CHG	-0.8305
Gm19	46029360	46029446	Gmdrm	hypo	CHG	-0.5483
Gm19	46030111	46030138	Gmdrm	hypo	CHG	-0.1638
Gm19	46038439	46038601	Gmdrm	hypo	CHG	-0.035
Gm19	46087214	46087362	Gmdrm	hypo	CHG	-0.807
Gm19	46087781	46088148	Gmdrm	hypo	CHG	-0.7028
Gm19	46090040	46090160	Gmdrm	hypo	CHG	-0.5833
Gm19	46100309	46100438	Gmdrm	hypo	CHG	-0.04
Gm19	46119917	46120027	Gmdrm	hypo	CHG	-0.0271
Gm19	46126799	46127127	Gmdrm	hypo	CHG	-0.3265
Gm19	46131905	46132115	Gmdrm	hypo	CHG	-0.3838
Gm19	46135748	46135936	Gmdrm	hypo	CHG	-0.683
Gm19	46155581	46156099	Gmdrm	hypo	CHG	-0.595
Gm19	46156227	46156423	Gmdrm	hypo	CHG	-0.766
Gm19	46156993	46157587	Gmdrm	hypo	CHG	-0.4974
Gm19	46170965	46171312	Gmdrm	hypo	CHG	-0.5288
Gm19	46180440	46180915	Gmdrm	hypo	CHG	-0.4454
Gm19	46181017	46181092	Gmdrm	hypo	CHG	-0.452
Gm19	46186617	46186629	Gmdrm	hypo	CHG	-0.176
Gm19	46198762	46199136	Gmdrm	hypo	CHG	-0.5475
Gm19	46199596	46199671	Gmdrm	hypo	CHG	-0.05
Gm19	46206725	46206916	Gmdrm	hypo	CHG	-0.058
Gm19	46210129	46210251	Gmdrm	hypo	CHG	-0.24
Gm19	46212694	46212797	Gmdrm	hypo	CHG	-0.6316
Gm19	46228334	46228396	Gmdrm	hypo	CHG	-0.7933
Gm19	46228575	46229007	Gmdrm	hypo	CHG	-0.7172
Gm19	46262766	46263039	Gmdrm	hypo	CHG	-0.032
Gm19	46267205	46267850	Gmdrm	hypo	CHG	-0.348
Gm19	46280767	46280798	Gmdrm	hypo	CHG	-0.632
Gm19	46295694	46295868	Gmdrm	hypo	CHG	-0.055
Gm19	46303277	46303558	Gmdrm	hypo	CHG	-0.4178
Gm19	46303809	46304086	Gmdrm	hypo	CHG	-0.635
Gm19	46304199	46304548	Gmdrm	hypo	CHG	-0.6634
Gm19	46314196	46314377	Gmdrm	hypo	CHG	-0.3655

Gm19	46317245	46317615	Gmdrm	hypo	CHG	-0.1184
Gm19	46326035	46326309	Gmdrm	hypo	CHG	-0.3081
Gm19	46329729	46330090	Gmdrm	hypo	CHG	-0.6948
Gm19	46346693	46346783	Gmdrm	hypo	CHG	-0.19
Gm19	46348004	46348233	Gmdrm	hypo	CHG	-0.2409
Gm19	46352904	46353371	Gmdrm	hypo	CHG	-0.1007
Gm19	46353714	46353807	Gmdrm	hypo	CHG	-0.472
Gm19	46362537	46362947	Gmdrm	hypo	CHG	-0.3469
Gm19	46364822	46364956	Gmdrm	hypo	CHG	-0.7311
Gm19	46377160	46377419	Gmdrm	hypo	CHG	-0.5825
Gm19	46377522	46377976	Gmdrm	hypo	CHG	-0.16
Gm19	46404322	46404762	Gmdrm	hypo	CHG	-0.255
Gm19	46406589	46406766	Gmdrm	hypo	CHG	-0.065
Gm19	46420381	46420701	Gmdrm	hypo	CHG	-0.2472
Gm19	46484326	46484480	Gmdrm	hypo	CHG	-0.2825
Gm19	46488070	46488367	Gmdrm	hypo	CHG	-0.0422
Gm19	46502080	46502133	Gmdrm	hypo	CHG	-0.412
Gm19	46520474	46520489	Gmdrm	hypo	CHG	-0.072
Gm19	46538677	46538876	Gmdrm	hypo	CHG	-0.044
Gm19	46539051	46539306	Gmdrm	hypo	CHG	-0.0214
Gm19	46543080	46543261	Gmdrm	hypo	CHG	-0.5375
Gm19	46549858	46549950	Gmdrm	hypo	CHG	-0.4155
Gm19	46550181	46550254	Gmdrm	hypo	CHG	-0.77
Gm19	46550561	46550688	Gmdrm	hypo	CHG	-0.4589
Gm19	46555588	46555702	Gmdrm	hypo	CHG	-0.0433
Gm19	46557156	46557408	Gmdrm	hypo	CHG	-0.0517
Gm19	46570902	46571142	Gmdrm	hypo	CHG	-0.214
Gm19	46571942	46572550	Gmdrm	hypo	CHG	-0.3207
Gm19	46573096	46573297	Gmdrm	hypo	CHG	-0.04
Gm19	46577596	46577721	Gmdrm	hypo	CHG	-0.102
Gm19	46582395	46582878	Gmdrm	hypo	CHG	-0.3343
Gm19	46583542	46583669	Gmdrm	hypo	CHG	-0.82
Gm19	46590612	46590705	Gmdrm	hypo	CHG	-0.8033
Gm19	46591317	46591582	Gmdrm	hypo	CHG	-0.5992
Gm19	46599485	46600109	Gmdrm	hypo	CHG	-0.2245
Gm19	46612418	46612576	Gmdrm	hypo	CHG	-0.028
Gm19	46622757	46622974	Gmdrm	hypo	CHG	-0.0483
Gm19	46636857	46637117	Gmdrm	hypo	CHG	-0.0383
Gm19	46642916	46642987	Gmdrm	hypo	CHG	-0.5843
Gm19	46643129	46643220	Gmdrm	hypo	CHG	-0.2884
Gm19	46666302	46666427	Gmdrm	hypo	CHG	-0.8512
Gm19	46677285	46677418	Gmdrm	hypo	CHG	-0.0417
Gm19	46692023	46692166	Gmdrm	hypo	CHG	-0.054
Gm19	46708576	46708758	Gmdrm	hypo	CHG	-0.7875
Gm19	46718551	46718831	Gmdrm	hypo	CHG	-0.3372
Gm19	46728260	46728570	Gmdrm	hypo	CHG	-0.3989

Gm19	46728723	46728913	Gmdrm	hypo	CHG	-0.7467
Gm19	46736596	46736681	Gmdrm	hypo	CHG	-0.04
Gm19	46756207	46756502	Gmdrm	hypo	CHG	-0.03
Gm19	46776324	46776513	Gmdrm	hypo	CHG	-0.3567
Gm19	46779216	46779303	Gmdrm	hypo	CHG	-0.2267
Gm19	46785556	46785896	Gmdrm	hypo	CHG	-0.3646
Gm19	46786061	46786559	Gmdrm	hypo	CHG	-0.4852
Gm19	46811264	46811383	Gmdrm	hypo	CHG	-0.7533
Gm19	46830566	46830730	Gmdrm	hypo	CHG	-0.79
Gm19	46852378	46852728	Gmdrm	hypo	CHG	-0.083
Gm19	46858832	46858981	Gmdrm	hypo	CHG	-0.4567
Gm19	46859131	46859192	Gmdrm	hypo	CHG	-0.722
Gm19	46864458	46864821	Gmdrm	hypo	CHG	-0.6286
Gm19	46864928	46865089	Gmdrm	hypo	CHG	-0.556
Gm19	46865414	46865636	Gmdrm	hypo	CHG	-0.475
Gm19	46867327	46867543	Gmdrm	hypo	CHG	-0.7271
Gm19	46904490	46904940	Gmdrm	hypo	CHG	-0.0256
Gm19	46946002	46946151	Gmdrm	hypo	CHG	-0.8538
Gm19	46946923	46946953	Gmdrm	hypo	CHG	-0.7567
Gm19	46955648	46955768	Gmdrm	hypo	CHG	-0.0286
Gm19	46956227	46956461	Gmdrm	hypo	CHG	-0.03
Gm19	47014582	47014636	Gmdrm	hypo	CHG	-0.2483
Gm19	47014985	47015148	Gmdrm	hypo	CHG	-0.4525
Gm19	47027218	47027304	Gmdrm	hypo	CHG	-0.4517
Gm19	47028257	47028471	Gmdrm	hypo	CHG	-0.7436
Gm19	47042422	47042886	Gmdrm	hypo	CHG	-0.0475
Gm19	47050886	47051080	Gmdrm	hypo	CHG	-0.1648
Gm19	47051224	47051487	Gmdrm	hypo	CHG	-0.6762
Gm19	47062264	47062585	Gmdrm	hypo	CHG	-0.5694
Gm19	47063353	47063502	Gmdrm	hypo	CHG	-0.3765
Gm19	47063636	47063711	Gmdrm	hypo	CHG	-0.8017
Gm19	47068161	47068564	Gmdrm	hypo	CHG	-0.0339
Gm19	47069201	47069474	Gmdrm	hypo	CHG	-0.15
Gm19	47070513	47070647	Gmdrm	hypo	CHG	-0.035
Gm19	47079698	47080005	Gmdrm	hypo	CHG	-0.03
Gm19	47080669	47080959	Gmdrm	hypo	CHG	-0.0372
Gm19	47092469	47092576	Gmdrm	hypo	CHG	-0.052
Gm19	47101033	47101446	Gmdrm	hypo	CHG	-0.8704
Gm19	47106970	47107032	Gmdrm	hypo	CHG	-0.425
Gm19	47107274	47107464	Gmdrm	hypo	CHG	-0.77
Gm19	47114004	47114083	Gmdrm	hypo	CHG	-0.1862
Gm19	47130516	47130581	Gmdrm	hypo	CHG	-0.73
Gm19	47130714	47130886	Gmdrm	hypo	CHG	-0.7155
Gm19	47135369	47135724	Gmdrm	hypo	CHG	-0.3115
Gm19	47172424	47172522	Gmdrm	hypo	CHG	-0.4334
Gm19	47179643	47180017	Gmdrm	hypo	CHG	-0.0557

Gm19	47185968	47186439	Gmdrm	hypo	CHG	-0.751
Gm19	47188260	47188442	Gmdrm	hypo	CHG	-0.8736
Gm19	47206374	47206641	Gmdrm	hypo	CHG	-0.4372
Gm19	47206769	47207190	Gmdrm	hypo	CHG	-0.58
Gm19	47207301	47207428	Gmdrm	hypo	CHG	-0.8758
Gm19	47215575	47215875	Gmdrm	hypo	CHG	-0.8607
Gm19	47216021	47216068	Gmdrm	hypo	CHG	-0.778
Gm19	47216803	47217093	Gmdrm	hypo	CHG	-0.8437
Gm19	47223133	47223450	Gmdrm	hypo	CHG	-0.0318
Gm19	47225176	47225323	Gmdrm	hypo	CHG	-0.3271
Gm19	47225738	47225800	Gmdrm	hypo	CHG	-0.4766
Gm19	47225914	47226032	Gmdrm	hypo	CHG	-0.5688
Gm19	47226251	47226453	Gmdrm	hypo	CHG	-0.5241
Gm19	47244113	47244263	Gmdrm	hypo	CHG	-0.052
Gm19	47258743	47258942	Gmdrm	hypo	CHG	-0.5546
Gm19	47261341	47261497	Gmdrm	hypo	CHG	-0.0967
Gm19	47261689	47261845	Gmdrm	hypo	CHG	-0.6543
Gm19	47263146	47263366	Gmdrm	hypo	CHG	-0.6022
Gm19	47272251	47272536	Gmdrm	hypo	CHG	-0.127
Gm19	47272664	47273123	Gmdrm	hypo	CHG	-0.3195
Gm19	47276007	47276465	Gmdrm	hypo	CHG	-0.379
Gm19	47284196	47284250	Gmdrm	hypo	CHG	-0.0258
Gm19	47314926	47315596	Gmdrm	hypo	CHG	-0.5185
Gm19	47323288	47323498	Gmdrm	hypo	CHG	-0.9079
Gm19	47327107	47327296	Gmdrm	hypo	CHG	-0.3378
Gm19	47327401	47327439	Gmdrm	hypo	CHG	-0.115
Gm19	47329576	47329847	Gmdrm	hypo	CHG	-0.3037
Gm19	47350013	47350224	Gmdrm	hypo	CHG	-0.4185
Gm19	47359117	47359452	Gmdrm	hypo	CHG	-0.3636
Gm19	47359716	47359855	Gmdrm	hypo	CHG	-0.75
Gm19	47395706	47395739	Gmdrm	hypo	CHG	-0.8317
Gm19	47396111	47396176	Gmdrm	hypo	CHG	-0.832
Gm19	47396289	47396731	Gmdrm	hypo	CHG	-0.7811
Gm19	47422224	47422752	Gmdrm	hypo	CHG	-0.582
Gm19	47424340	47424401	Gmdrm	hypo	CHG	-0.038
Gm19	47444288	47444620	Gmdrm	hypo	CHG	-0.0366
Gm19	47467729	47468014	Gmdrm	hypo	CHG	-0.913
Gm19	47468145	47468398	Gmdrm	hypo	CHG	-0.8291
Gm19	47474164	47474331	Gmdrm	hypo	CHG	-0.054
Gm19	47484980	47485269	Gmdrm	hypo	CHG	-0.4271
Gm19	47487113	47487367	Gmdrm	hypo	CHG	-0.2284
Gm19	47492953	47493278	Gmdrm	hypo	CHG	-0.7216
Gm19	47493574	47493596	Gmdrm	hypo	CHG	-0.6584
Gm19	47494316	47494443	Gmdrm	hypo	CHG	-0.3367
Gm19	47494616	47494682	Gmdrm	hypo	CHG	-0.532
Gm19	47504482	47504673	Gmdrm	hypo	CHG	-0.858

Gm19	47508486	47508557	Gmdrm	hypo	CHG	-0.55
Gm19	47525872	47526132	Gmdrm	hypo	CHG	-0.0414
Gm19	47526322	47526514	Gmdrm	hypo	CHG	-0.6858
Gm19	47531418	47531484	Gmdrm	hypo	CHG	-0.042
Gm19	47537617	47537935	Gmdrm	hypo	CHG	-0.0489
Gm19	47544495	47544569	Gmdrm	hypo	CHG	-0.0883
Gm19	47558379	47558580	Gmdrm	hypo	CHG	-0.6273
Gm19	47558839	47558971	Gmdrm	hypo	CHG	-0.6523
Gm19	47570044	47570240	Gmdrm	hypo	CHG	-0.64
Gm19	47589578	47589699	Gmdrm	hypo	CHG	-0.0583
Gm19	47598364	47598555	Gmdrm	hypo	CHG	-0.0457
Gm19	47612889	47613035	Gmdrm	hypo	CHG	-0.1214
Gm19	47613404	47613648	Gmdrm	hypo	CHG	-0.0438
Gm19	47647355	47647563	Gmdrm	hypo	CHG	-0.0667
Gm19	47656238	47656431	Gmdrm	hypo	CHG	-0.054
Gm19	47680978	47681353	Gmdrm	hypo	CHG	-0.3987
Gm19	47682492	47682878	Gmdrm	hypo	CHG	-0.3093
Gm19	47691535	47691607	Gmdrm	hypo	CHG	-0.8167
Gm19	47693725	47693809	Gmdrm	hypo	CHG	-0.7833
Gm19	47694239	47694412	Gmdrm	hypo	CHG	-0.113
Gm19	47712433	47712779	Gmdrm	hypo	CHG	-0.615
Gm19	47712940	47713336	Gmdrm	hypo	CHG	-0.6069
Gm19	47754723	47754873	Gmdrm	hypo	CHG	-0.052
Gm19	47755049	47755243	Gmdrm	hypo	CHG	-0.055
Gm19	47765624	47765803	Gmdrm	hypo	CHG	-0.0617
Gm19	47783888	47783990	Gmdrm	hypo	CHG	-0.7766
Gm19	47784093	47784177	Gmdrm	hypo	CHG	-0.616
Gm19	47806509	47806571	Gmdrm	hypo	CHG	-0.4666
Gm19	47806827	47806953	Gmdrm	hypo	CHG	-0.4172
Gm19	47814174	47814292	Gmdrm	hypo	CHG	-0.6371
Gm19	47839252	47839347	Gmdrm	hypo	CHG	-0.7513
Gm19	47839470	47839545	Gmdrm	hypo	CHG	-0.85
Gm19	47852499	47852682	Gmdrm	hypo	CHG	-0.056
Gm19	47860917	47861260	Gmdrm	hypo	CHG	-0.05
Gm19	47877750	47877872	Gmdrm	hypo	CHG	-0.09
Gm19	47883860	47883961	Gmdrm	hypo	CHG	-0.3487
Gm19	47892032	47892413	Gmdrm	hypo	CHG	-0.735
Gm19	47895224	47895549	Gmdrm	hypo	CHG	-0.4334
Gm19	47897018	47897092	Gmdrm	hypo	CHG	-0.6
Gm19	47899056	47899231	Gmdrm	hypo	CHG	-0.4616
Gm19	47913617	47913807	Gmdrm	hypo	CHG	-0.4808
Gm19	47926413	47926711	Gmdrm	hypo	CHG	-0.5271
Gm19	47927532	47928073	Gmdrm	hypo	CHG	-0.4671
Gm19	47935280	47935459	Gmdrm	hypo	CHG	-0.168
Gm19	47945962	47946337	Gmdrm	hypo	CHG	-0.5953
Gm19	47946702	47946925	Gmdrm	hypo	CHG	-0.8584

Gm19	47947767	47947912 Gmdrm	hypo	CHG	-0.9167
Gm19	47948025	47948348 Gmdrm	hypo	CHG	-0.438
Gm19	47960114	47960231 Gmdrm	hypo	CHG	-0.604
Gm19	47971582	47971725 Gmdrm	hypo	CHG	-0.8309
Gm19	47976502	47976702 Gmdrm	hypo	CHG	-0.4945
Gm19	47992686	47993039 Gmdrm	hypo	CHG	-0.84
Gm19	47998010	47998114 Gmdrm	hypo	CHG	-0.086
Gm19	48009947	48010179 Gmdrm	hypo	CHG	-0.595
Gm19	48014020	48014195 Gmdrm	hypo	CHG	-0.8787
Gm19	48014536	48014586 Gmdrm	hypo	CHG	-0.5757
Gm19	48045667	48045928 Gmdrm	hypo	CHG	-0.0414
Gm19	48067569	48067756 Gmdrm	hypo	CHG	-0.8322
Gm19	48084304	48084429 Gmdrm	hypo	CHG	-0.042
Gm19	48091720	48091761 Gmdrm	hypo	CHG	-0.61
Gm19	48111948	48112104 Gmdrm	hypo	CHG	-0.74
Gm19	48114373	48115056 Gmdrm	hypo	CHG	-0.0289
Gm19	48115443	48115925 Gmdrm	hypo	CHG	-0.0407
Gm19	48117078	48117149 Gmdrm	hypo	CHG	-0.17
Gm19	48118771	48118963 Gmdrm	hypo	CHG	-0.8957
Gm19	48137753	48137845 Gmdrm	hypo	CHG	-0.5666
Gm19	48145020	48145248 Gmdrm	hypo	CHG	-0.566
Gm19	48156449	48156618 Gmdrm	hypo	CHG	-0.7711
Gm19	48166082	48166395 Gmdrm	hypo	CHG	-0.7061
Gm19	48167307	48167395 Gmdrm	hypo	CHG	-0.854
Gm19	48173363	48173804 Gmdrm	hypo	CHG	-0.5837
Gm19	48174155	48174386 Gmdrm	hypo	CHG	-0.419
Gm19	48176358	48176586 Gmdrm	hypo	CHG	-0.5925
Gm19	48176770	48176893 Gmdrm	hypo	CHG	-0.644
Gm19	48179793	48179984 Gmdrm	hypo	CHG	-0.0243
Gm19	48183623	48184023 Gmdrm	hypo	CHG	-0.05
Gm19	48193427	48193555 Gmdrm	hypo	CHG	-0.06
Gm19	48194123	48194488 Gmdrm	hypo	CHG	-0.0529
Gm19	48208178	48208342 Gmdrm	hypo	CHG	-0.0317
Gm19	48213701	48213754 Gmdrm	hypo	CHG	-0.6157
Gm19	48250668	48251131 Gmdrm	hypo	CHG	-0.2703
Gm19	48263360	48263467 Gmdrm	hypo	CHG	-0.6454
Gm19	48263594	48264110 Gmdrm	hypo	CHG	-0.4853
Gm19	48279651	48279849 Gmdrm	hypo	CHG	-0.3795
Gm19	48279996	48280398 Gmdrm	hypo	CHG	-0.482
Gm19	48300847	48301224 Gmdrm	hypo	CHG	-0.1631
Gm19	48302267	48302538 Gmdrm	hypo	CHG	-0.046
Gm19	48315511	48315594 Gmdrm	hypo	CHG	-0.54
Gm19	48325992	48326287 Gmdrm	hypo	CHG	-0.036
Gm19	48330881	48331085 Gmdrm	hypo	CHG	-0.572
Gm19	48349745	48349884 Gmdrm	hypo	CHG	-0.0911
Gm19	48359308	48360062 Gmdrm	hypo	CHG	-0.3052

Gm19	48361944	48362259	Gmdrm	hypo	CHG	-0.6884
Gm19	48362826	48362921	Gmdrm	hypo	CHG	-0.94
Gm19	48372750	48373101	Gmdrm	hypo	CHG	-0.022
Gm19	48382672	48382760	Gmdrm	hypo	CHG	-0.022
Gm19	48390457	48390890	Gmdrm	hypo	CHG	-0.5124
Gm19	48420128	48420264	Gmdrm	hypo	CHG	-0.8823
Gm19	48420374	48420470	Gmdrm	hypo	CHG	-0.852
Gm19	48420649	48420800	Gmdrm	hypo	CHG	-0.728
Gm19	48451355	48451650	Gmdrm	hypo	CHG	-0.5938
Gm19	48451894	48452180	Gmdrm	hypo	CHG	-0.7629
Gm19	48463884	48464007	Gmdrm	hypo	CHG	-0.038
Gm19	48471252	48471289	Gmdrm	hypo	CHG	-0.4184
Gm19	48540961	48541120	Gmdrm	hypo	CHG	-0.05
Gm19	48550614	48550974	Gmdrm	hypo	CHG	-0.851
Gm19	48565373	48565709	Gmdrm	hypo	CHG	-0.2767
Gm19	48570374	48571029	Gmdrm	hypo	CHG	-0.2258
Gm19	48578518	48579408	Gmdrm	hypo	CHG	-0.2426
Gm19	48590150	48590207	Gmdrm	hypo	CHG	-0.786
Gm19	48590312	48590341	Gmdrm	hypo	CHG	-0.6233
Gm19	48592799	48592949	Gmdrm	hypo	CHG	-0.823
Gm19	48604002	48604276	Gmdrm	hypo	CHG	-0.6124
Gm19	48604933	48605286	Gmdrm	hypo	CHG	-0.7386
Gm19	48608409	48608505	Gmdrm	hypo	CHG	-0.034
Gm19	48611198	48611407	Gmdrm	hypo	CHG	-0.2741
Gm19	48613700	48613859	Gmdrm	hypo	CHG	-0.241
Gm19	48636606	48637083	Gmdrm	hypo	CHG	-0.7475
Gm19	48642152	48642276	Gmdrm	hypo	CHG	-0.6512
Gm19	48644567	48644620	Gmdrm	hypo	CHG	-0.355
Gm19	48674525	48674695	Gmdrm	hypo	CHG	-0.502
Gm19	48675738	48675874	Gmdrm	hypo	CHG	-0.814
Gm19	48676131	48676264	Gmdrm	hypo	CHG	-0.8333
Gm19	48676444	48676564	Gmdrm	hypo	CHG	-0.415
Gm19	48694536	48694689	Gmdrm	hypo	CHG	-0.5583
Gm19	48702457	48702556	Gmdrm	hypo	CHG	-0.042
Gm19	48702746	48703004	Gmdrm	hypo	CHG	-0.8889
Gm19	48703573	48703635	Gmdrm	hypo	CHG	-0.775
Gm19	48703974	48704523	Gmdrm	hypo	CHG	-0.76
Gm19	48717348	48717485	Gmdrm	hypo	CHG	-0.035
Gm19	48717733	48717865	Gmdrm	hypo	CHG	-0.396
Gm19	48718191	48718432	Gmdrm	hypo	CHG	-0.5312
Gm19	48718753	48718968	Gmdrm	hypo	CHG	-0.4419
Gm19	48719279	48719477	Gmdrm	hypo	CHG	-0.4744
Gm19	48719621	48719790	Gmdrm	hypo	CHG	-0.6
Gm19	48748846	48748999	Gmdrm	hypo	CHG	-0.04
Gm19	48752189	48752265	Gmdrm	hypo	CHG	-0.7886
Gm19	48752404	48752525	Gmdrm	hypo	CHG	-0.706

Gm19	48762291	48762363	Gmdrm	hypo	CHG	-0.5772
Gm19	48765435	48765569	Gmdrm	hypo	CHG	-0.6187
Gm19	48783309	48783645	Gmdrm	hypo	CHG	-0.8006
Gm19	48797301	48797628	Gmdrm	hypo	CHG	-0.4078
Gm19	48797739	48797856	Gmdrm	hypo	CHG	-0.472
Gm19	48798693	48798753	Gmdrm	hypo	CHG	-0.632
Gm19	48807436	48807534	Gmdrm	hypo	CHG	-0.02
Gm19	48838053	48838118	Gmdrm	hypo	CHG	-0.3883
Gm19	48838309	48838404	Gmdrm	hypo	CHG	-0.3922
Gm19	48838734	48838905	Gmdrm	hypo	CHG	-0.31
Gm19	48839087	48839374	Gmdrm	hypo	CHG	-0.55
Gm19	48851256	48851390	Gmdrm	hypo	CHG	-0.0557
Gm19	48863649	48863825	Gmdrm	hypo	CHG	-0.8783
Gm19	48868872	48869357	Gmdrm	hypo	CHG	-0.6862
Gm19	48899721	48900147	Gmdrm	hypo	CHG	-0.0418
Gm19	48908894	48908912	Gmdrm	hypo	CHG	-0.505
Gm19	48909387	48909506	Gmdrm	hypo	CHG	-0.7045
Gm19	48909633	48909818	Gmdrm	hypo	CHG	-0.6512
Gm19	48909975	48910171	Gmdrm	hypo	CHG	-0.6528
Gm19	48910483	48910710	Gmdrm	hypo	CHG	-0.4855
Gm19	48911443	48911643	Gmdrm	hypo	CHG	-0.3988
Gm19	48918509	48919230	Gmdrm	hypo	CHG	-0.2748
Gm19	48933055	48933192	Gmdrm	hypo	CHG	-0.1786
Gm19	48940263	48940587	Gmdrm	hypo	CHG	-0.035
Gm19	48957532	48957723	Gmdrm	hypo	CHG	-0.5543
Gm19	48971055	48971229	Gmdrm	hypo	CHG	-0.0518
Gm19	49007011	49007209	Gmdrm	hypo	CHG	-0.0583
Gm19	49007928	49008210	Gmdrm	hypo	CHG	-0.0393
Gm19	49008542	49008902	Gmdrm	hypo	CHG	-0.0554
Gm19	49009788	49009956	Gmdrm	hypo	CHG	-0.0555
Gm19	49019609	49019884	Gmdrm	hypo	CHG	-0.0433
Gm19	49023871	49024197	Gmdrm	hypo	CHG	-0.407
Gm19	49042858	49043374	Gmdrm	hypo	CHG	-0.0471
Gm19	49050994	49051220	Gmdrm	hypo	CHG	-0.548
Gm19	49068747	49068974	Gmdrm	hypo	CHG	-0.0925
Gm19	49069263	49069336	Gmdrm	hypo	CHG	-0.918
Gm19	49069774	49069901	Gmdrm	hypo	CHG	-0.8675
Gm19	49082174	49082364	Gmdrm	hypo	CHG	-0.6211
Gm19	49093449	49093618	Gmdrm	hypo	CHG	-0.7833
Gm19	49100601	49100839	Gmdrm	hypo	CHG	-0.49
Gm19	49112994	49113130	Gmdrm	hypo	CHG	-0.604
Gm19	49150620	49150814	Gmdrm	hypo	CHG	-0.1
Gm19	49155413	49155573	Gmdrm	hypo	CHG	-0.0757
Gm19	49164180	49164488	Gmdrm	hypo	CHG	-0.038
Gm19	49169725	49169862	Gmdrm	hypo	CHG	-0.082
Gm19	49170133	49170736	Gmdrm	hypo	CHG	-0.6984

Gm19	49179546	49179748	Gmdrm	hypo	CHG	-0.86
Gm19	49180167	49180524	Gmdrm	hypo	CHG	-0.6936
Gm19	49207913	49208176	Gmdrm	hypo	CHG	-0.6165
Gm19	49208336	49208676	Gmdrm	hypo	CHG	-0.6211
Gm19	49214104	49214551	Gmdrm	hypo	CHG	-0.1567
Gm19	49237907	49238048	Gmdrm	hypo	CHG	-0.032
Gm19	49249956	49250372	Gmdrm	hypo	CHG	-0.033
Gm19	49260929	49261037	Gmdrm	hypo	CHG	-0.0729
Gm19	49261646	49261832	Gmdrm	hypo	CHG	-0.583
Gm19	49280648	49280954	Gmdrm	hypo	CHG	-0.5856
Gm19	49289274	49289564	Gmdrm	hypo	CHG	-0.4292
Gm19	49290360	49290443	Gmdrm	hypo	CHG	-0.4834
Gm19	49290674	49290885	Gmdrm	hypo	CHG	-0.587
Gm19	49307690	49307789	Gmdrm	hypo	CHG	-0.6191
Gm19	49329186	49329365	Gmdrm	hypo	CHG	-0.3871
Gm19	49329948	49330160	Gmdrm	hypo	CHG	-0.569
Gm19	49330272	49330406	Gmdrm	hypo	CHG	-0.5512
Gm19	49388441	49388964	Gmdrm	hypo	CHG	-0.1138
Gm19	49391829	49391868	Gmdrm	hypo	CHG	-0.3265
Gm19	49392768	49393072	Gmdrm	hypo	CHG	-0.7158
Gm19	49402547	49402657	Gmdrm	hypo	CHG	-0.458
Gm19	49402802	49402926	Gmdrm	hypo	CHG	-0.6167
Gm19	49403113	49403468	Gmdrm	hypo	CHG	-0.2896
Gm19	49404976	49405074	Gmdrm	hypo	CHG	-0.3245
Gm19	49405216	49405352	Gmdrm	hypo	CHG	-0.3436
Gm19	49405494	49406173	Gmdrm	hypo	CHG	-0.5054
Gm19	49406274	49406292	Gmdrm	hypo	CHG	-0.5917
Gm19	49406408	49406805	Gmdrm	hypo	CHG	-0.4256
Gm19	49415001	49415223	Gmdrm	hypo	CHG	-0.1843
Gm19	49420089	49420346	Gmdrm	hypo	CHG	-0.9131
Gm19	49422249	49422613	Gmdrm	hypo	CHG	-0.0318
Gm19	49433802	49434088	Gmdrm	hypo	CHG	-0.4659
Gm19	49439376	49439695	Gmdrm	hypo	CHG	-0.0627
Gm19	49456351	49456838	Gmdrm	hypo	CHG	-0.0409
Gm19	49466852	49466939	Gmdrm	hypo	CHG	-0.4667
Gm19	49467059	49467451	Gmdrm	hypo	CHG	-0.8927
Gm19	49467602	49467804	Gmdrm	hypo	CHG	-0.5247
Gm19	49484366	49484575	Gmdrm	hypo	CHG	-0.2607
Gm19	49490530	49490816	Gmdrm	hypo	CHG	-0.034
Gm19	49505040	49505094	Gmdrm	hypo	CHG	-0.046
Gm19	49506668	49507130	Gmdrm	hypo	CHG	-0.2515
Gm19	49514722	49514896	Gmdrm	hypo	CHG	-0.086
Gm19	49515831	49515892	Gmdrm	hypo	CHG	-0.3026
Gm19	49525062	49525454	Gmdrm	hypo	CHG	-0.0425
Gm19	49528734	49529087	Gmdrm	hypo	CHG	-0.6837
Gm19	49549959	49550060	Gmdrm	hypo	CHG	-0.1175

Gm19	49561823	49562128	Gmdrm	hypo	CHG	-0.1654
Gm19	49564055	49564289	Gmdrm	hypo	CHG	-0.7367
Gm19	49655300	49655531	Gmdrm	hypo	CHG	-0.04
Gm19	49657311	49657374	Gmdrm	hypo	CHG	-0.406
Gm19	49660715	49660840	Gmdrm	hypo	CHG	-0.3688
Gm19	49663272	49663439	Gmdrm	hypo	CHG	-0.04
Gm19	49677754	49677965	Gmdrm	hypo	CHG	-0.661
Gm19	49709892	49709988	Gmdrm	hypo	CHG	-0.6434
Gm19	49711697	49711893	Gmdrm	hypo	CHG	-0.7344
Gm19	49742855	49742964	Gmdrm	hypo	CHG	-0.0671
Gm19	49743085	49743316	Gmdrm	hypo	CHG	-0.6891
Gm19	49744167	49744206	Gmdrm	hypo	CHG	-0.3566
Gm19	49744434	49744574	Gmdrm	hypo	CHG	-0.5374
Gm19	49745568	49745710	Gmdrm	hypo	CHG	-0.055
Gm19	49745844	49746109	Gmdrm	hypo	CHG	-0.2987
Gm19	49746234	49746416	Gmdrm	hypo	CHG	-0.5612
Gm19	49751977	49752101	Gmdrm	hypo	CHG	-0.8512
Gm19	49752259	49752423	Gmdrm	hypo	CHG	-0.475
Gm19	49766546	49767316	Gmdrm	hypo	CHG	-0.3
Gm19	49770421	49770632	Gmdrm	hypo	CHG	-0.0438
Gm19	49782251	49782423	Gmdrm	hypo	CHG	-0.5843
Gm19	49783215	49783537	Gmdrm	hypo	CHG	-0.6067
Gm19	49805550	49805588	Gmdrm	hypo	CHG	-0.802
Gm19	49821628	49822084	Gmdrm	hypo	CHG	-0.5589
Gm19	49840983	49841149	Gmdrm	hypo	CHG	-0.8109
Gm19	49846646	49846700	Gmdrm	hypo	CHG	-0.5433
Gm19	49866951	49867018	Gmdrm	hypo	CHG	-0.628
Gm19	49867865	49867975	Gmdrm	hypo	CHG	-0.606
Gm19	49894286	49894923	Gmdrm	hypo	CHG	-0.501
Gm19	49906231	49906382	Gmdrm	hypo	CHG	-0.035
Gm19	49925518	49925573	Gmdrm	hypo	CHG	-0.8
Gm19	49928119	49928333	Gmdrm	hypo	CHG	-0.4313
Gm19	49961200	49961422	Gmdrm	hypo	CHG	-0.5871
Gm19	49964726	49964789	Gmdrm	hypo	CHG	-0.5084
Gm19	49992394	49992652	Gmdrm	hypo	CHG	-0.0525
Gm19	49994700	49995011	Gmdrm	hypo	CHG	-0.0725
Gm19	49998886	49998921	Gmdrm	hypo	CHG	-0.04
Gm19	50016675	50016906	Gmdrm	hypo	CHG	-0.0466
Gm19	50027306	50027448	Gmdrm	hypo	CHG	-0.038
Gm19	50033484	50033678	Gmdrm	hypo	CHG	-0.5856
Gm19	50071308	50071572	Gmdrm	hypo	CHG	-0.651
Gm19	50071852	50072236	Gmdrm	hypo	CHG	-0.7376
Gm19	50075807	50076211	Gmdrm	hypo	CHG	-0.2029
Gm19	50088999	50089450	Gmdrm	hypo	CHG	-0.0344
Gm19	50089777	50089902	Gmdrm	hypo	CHG	-0.3223
Gm19	50097595	50097881	Gmdrm	hypo	CHG	-0.0367

Gm19	50128860	50129189	Gmdrm	hypo	CHG	-0.779
Gm19	50137838	50137987	Gmdrm	hypo	CHG	-0.785
Gm19	50160743	50160887	Gmdrm	hypo	CHG	-0.4325
Gm19	50164008	50164522	Gmdrm	hypo	CHG	-0.361
Gm19	50164664	50164819	Gmdrm	hypo	CHG	-0.872
Gm19	50223503	50223591	Gmdrm	hypo	CHG	-0.7038
Gm19	50242113	50242253	Gmdrm	hypo	CHG	-0.5815
Gm19	50242511	50242705	Gmdrm	hypo	CHG	-0.8529
Gm19	50243292	50243333	Gmdrm	hypo	CHG	-0.6367
Gm19	50258058	50258386	Gmdrm	hypo	CHG	-0.0636
Gm19	50266804	50267198	Gmdrm	hypo	CHG	-0.6105
Gm19	50268697	50268848	Gmdrm	hypo	CHG	-0.3689
Gm19	50269478	50269760	Gmdrm	hypo	CHG	-0.4925
Gm19	50285545	50285630	Gmdrm	hypo	CHG	-0.7137
Gm19	50317116	50317223	Gmdrm	hypo	CHG	-0.682
Gm19	50317509	50317606	Gmdrm	hypo	CHG	-0.636
Gm19	50339931	50340178	Gmdrm	hypo	CHG	-0.0866
Gm19	50340481	50340671	Gmdrm	hypo	CHG	-0.501
Gm19	50340842	50341189	Gmdrm	hypo	CHG	-0.7224
Gm19	50356025	50356343	Gmdrm	hypo	CHG	-0.0267
Gm19	50361103	50361267	Gmdrm	hypo	CHG	-0.664
Gm19	50361389	50361465	Gmdrm	hypo	CHG	-0.3984
Gm19	50371159	50371439	Gmdrm	hypo	CHG	-0.5715
Gm19	50403606	50403645	Gmdrm	hypo	CHG	-0.8633
Gm19	50403759	50403932	Gmdrm	hypo	CHG	-0.8018
Gm19	50404072	50404131	Gmdrm	hypo	CHG	-0.622
Gm19	50404274	50404719	Gmdrm	hypo	CHG	-0.3147
Gm19	50411516	50411604	Gmdrm	hypo	CHG	-0.724
Gm19	50411851	50411963	Gmdrm	hypo	CHG	-0.03
Gm19	50417191	50417445	Gmdrm	hypo	CHG	-0.3134
Gm19	50429351	50429577	Gmdrm	hypo	CHG	-0.121
Gm19	50432325	50432546	Gmdrm	hypo	CHG	-0.6255
Gm19	50432764	50432838	Gmdrm	hypo	CHG	-0.7788
Gm19	50433149	50433281	Gmdrm	hypo	CHG	-0.6954
Gm19	50463221	50463401	Gmdrm	hypo	CHG	-0.2188
Gm19	50470085	50470225	Gmdrm	hypo	CHG	-0.065
Gm19	50472163	50472280	Gmdrm	hypo	CHG	-0.035
Gm19	50481003	50481081	Gmdrm	hypo	CHG	-0.4983
Gm19	50486066	50486148	Gmdrm	hypo	CHG	-0.8362
Gm19	50495014	50495067	Gmdrm	hypo	CHG	-0.51
Gm19	50497073	50497108	Gmdrm	hypo	CHG	-0.965
Gm19	50528497	50528652	Gmdrm	hypo	CHG	-0.3342
Gm19	50541163	50541295	Gmdrm	hypo	CHG	-0.048
Gm19	50562509	50563061	Gmdrm	hypo	CHG	-0.0315
Gm19	50589214	50589250	Gmdrm	hypo	CHG	-0.8884
Gm19	50589519	50589889	Gmdrm	hypo	CHG	-0.3447

Gm19	50606575	50606659	Gmdrm	hypo	CHG	-0.212
Gm19	50611703	50611786	Gmdrm	hypo	CHG	-0.2366
Gm19	50620271	50620400	Gmdrm	hypo	CHG	-0.0333
Gm19	50669715	50669964	Gmdrm	hypo	CHG	-0.747
Gm19	50700995	50701061	Gmdrm	hypo	CHG	-0.625
Gm19	50710627	50710918	Gmdrm	hypo	CHG	-0.5644
Gm19	50715267	50715535	Gmdrm	hypo	CHG	-0.023
Gm19	50721259	50721528	Gmdrm	hypo	CHG	-0.2485
Gm19	50721664	50721765	Gmdrm	hypo	CHG	-0.355
Gm19	50767772	50767954	Gmdrm	hypo	CHG	-0.5463
Gm19	50768483	50768636	Gmdrm	hypo	CHG	-0.3967
Gm19	50770094	50770223	Gmdrm	hypo	CHG	-0.466
Gm19	50783464	50783569	Gmdrm	hypo	CHG	-0.504
Gm19	50789003	50789093	Gmdrm	hypo	CHG	-0.332
Gm19	50792125	50792362	Gmdrm	hypo	CHG	-0.8389
Gm19	50792719	50792801	Gmdrm	hypo	CHG	-0.7843
Gm19	50801279	50801700	Gmdrm	hypo	CHG	-0.4783
Gm19	50837395	50837415	Gmdrm	hypo	CHG	-0.3766
Gm19	50858334	50858587	Gmdrm	hypo	CHG	-0.4822
Gm19	50860568	50860732	Gmdrm	hypo	CHG	-0.475
Gm19	50862593	50862845	Gmdrm	hypo	CHG	-0.4275
Gm19	50863202	50863380	Gmdrm	hypo	CHG	-0.508
Gm19	50867061	50867430	Gmdrm	hypo	CHG	-0.3943
Gm19	50868948	50869220	Gmdrm	hypo	CHG	-0.05
Gm19	50874201	50874288	Gmdrm	hypo	CHG	-0.032
Gm19	50878137	50878441	Gmdrm	hypo	CHG	-0.057
Gm19	50890723	50890794	Gmdrm	hypo	CHG	-0.0983
Gm19	50902969	50903109	Gmdrm	hypo	CHG	-0.04
Gm19	50929220	50929271	Gmdrm	hypo	CHG	-0.8438
Gm19	50930666	50930938	Gmdrm	hypo	CHG	-0.4861
Gm19	50932043	50932142	Gmdrm	hypo	CHG	-0.2222
Gm19	50945999	50946199	Gmdrm	hypo	CHG	-0.13
Gm19	50946321	50946399	Gmdrm	hypo	CHG	-0.1278
Gm19	50946508	50946882	Gmdrm	hypo	CHG	-0.136
Gm19	50953187	50953480	Gmdrm	hypo	CHG	-0.0523
Gm19	50967435	50967860	Gmdrm	hypo	CHG	-0.3994
Gm19	50984094	50984278	Gmdrm	hypo	CHG	-0.05
Gm19	50996376	50996524	Gmdrm	hypo	CHG	-0.094
Gm19	50999777	51000038	Gmdrm	hypo	CHG	-0.743
Gm19	51000735	51001092	Gmdrm	hypo	CHG	-0.6622
Gm19	51027089	51027237	Gmdrm	hypo	CHG	-0.044
Gm19	51041867	51042047	Gmdrm	hypo	CHG	-0.5775
Gm19	51042196	51042288	Gmdrm	hypo	CHG	-0.8983
Gm19	51063075	51063422	Gmdrm	hypo	CHG	-0.073
Gm19	51068986	51069136	Gmdrm	hypo	CHG	-0.425
Gm19	51073011	51073182	Gmdrm	hypo	CHG	-0.052

Gm19	51076666	51076757	Gmdrm	hypo	CHG	-0.848
Gm19	51079673	51080083	Gmdrm	hypo	CHG	-0.042
Gm19	51089396	51089540	Gmdrm	hypo	CHG	-0.7533
Gm19	51090489	51090781	Gmdrm	hypo	CHG	-0.2667
Gm19	51092151	51092246	Gmdrm	hypo	CHG	-0.2649
Gm19	51111834	51111997	Gmdrm	hypo	CHG	-0.55
Gm19	51176395	51176484	Gmdrm	hypo	CHG	-0.7884
Gm19	51176605	51176721	Gmdrm	hypo	CHG	-0.395
Gm19	51176825	51177043	Gmdrm	hypo	CHG	-0.1977
Gm19	51180168	51180245	Gmdrm	hypo	CHG	-0.5375
Gm19	51180360	51180403	Gmdrm	hypo	CHG	-0.79
Gm19	51185268	51185448	Gmdrm	hypo	CHG	-0.0883
Gm19	51185596	51185765	Gmdrm	hypo	CHG	-0.932
Gm19	51185998	51186195	Gmdrm	hypo	CHG	-0.7716
Gm19	51209060	51209277	Gmdrm	hypo	CHG	-0.1518
Gm19	51209383	51209625	Gmdrm	hypo	CHG	-0.2655
Gm19	51232476	51232531	Gmdrm	hypo	CHG	-0.43
Gm19	51232928	51232996	Gmdrm	hypo	CHG	-0.286
Gm19	51240221	51240268	Gmdrm	hypo	CHG	-0.596
Gm19	51262220	51262548	Gmdrm	hypo	CHG	-0.3586
Gm19_scaffol	595	855	Gmdrm	hypo	CHG	-0.6511
Gm20	1558	2097	Gmdrm	hypo	CHG	-0.1462
Gm20	2777	2981	Gmdrm	hypo	CHG	-0.0533
Gm20	22087	22300	Gmdrm	hypo	CHG	-0.0725
Gm20	22402	23116	Gmdrm	hypo	CHG	-0.3488
Gm20	39160	39252	Gmdrm	hypo	CHG	-0.06
Gm20	43270	43436	Gmdrm	hypo	CHG	-0.0714
Gm20	46864	46920	Gmdrm	hypo	CHG	-0.042
Gm20	83025	83125	Gmdrm	hypo	CHG	-0.0337
Gm20	110297	110624	Gmdrm	hypo	CHG	-0.0421
Gm20	118744	118756	Gmdrm	hypo	CHG	-0.05
Gm20	154999	155072	Gmdrm	hypo	CHG	-0.0288
Gm20	160979	161351	Gmdrm	hypo	CHG	-0.465
Gm20	172903	173134	Gmdrm	hypo	CHG	-0.045
Gm20	181788	181960	Gmdrm	hypo	CHG	-0.04
Gm20	193690	194005	Gmdrm	hypo	CHG	-0.4835
Gm20	194244	194349	Gmdrm	hypo	CHG	-0.454
Gm20	198549	198669	Gmdrm	hypo	CHG	-0.5286
Gm20	202323	203213	Gmdrm	hypo	CHG	-0.6764
Gm20	203409	203447	Gmdrm	hypo	CHG	-0.9016
Gm20	203635	203776	Gmdrm	hypo	CHG	-0.758
Gm20	204186	204500	Gmdrm	hypo	CHG	-0.6123
Gm20	220910	220998	Gmdrm	hypo	CHG	-0.626
Gm20	221105	221324	Gmdrm	hypo	CHG	-0.5014
Gm20	265120	265485	Gmdrm	hypo	CHG	-0.0236
Gm20	265619	265778	Gmdrm	hypo	CHG	-0.0613

Gm20	283266	283566	Gmdrm	hypo	CHG	-0.3991
Gm20	303130	303244	Gmdrm	hypo	CHG	-0.0881
Gm20	328825	329132	Gmdrm	hypo	CHG	-0.4156
Gm20	331774	332036	Gmdrm	hypo	CHG	-0.052
Gm20	341582	341878	Gmdrm	hypo	CHG	-0.058
Gm20	354373	354787	Gmdrm	hypo	CHG	-0.2
Gm20	365015	365672	Gmdrm	hypo	CHG	-0.1724
Gm20	373384	373556	Gmdrm	hypo	CHG	-0.19
Gm20	378105	378633	Gmdrm	hypo	CHG	-0.2077
Gm20	386861	387125	Gmdrm	hypo	CHG	-0.3248
Gm20	393127	394127	Gmdrm	hypo	CHG	-0.3341
Gm20	394156	394855	Gmdrm	hypo	CHG	-0.5546
Gm20	394979	395823	Gmdrm	hypo	CHG	-0.2075
Gm20	423676	423772	Gmdrm	hypo	CHG	-0.3462
Gm20	434460	434514	Gmdrm	hypo	CHG	-0.6033
Gm20	445623	445766	Gmdrm	hypo	CHG	-0.7182
Gm20	467704	468104	Gmdrm	hypo	CHG	-0.5533
Gm20	480562	480636	Gmdrm	hypo	CHG	-0.0417
Gm20	502480	502678	Gmdrm	hypo	CHG	-0.302
Gm20	507495	507626	Gmdrm	hypo	CHG	-0.3889
Gm20	512748	512890	Gmdrm	hypo	CHG	-0.525
Gm20	513875	514041	Gmdrm	hypo	CHG	-0.1928
Gm20	514262	514371	Gmdrm	hypo	CHG	-0.13
Gm20	538657	538889	Gmdrm	hypo	CHG	-0.365
Gm20	552180	552400	Gmdrm	hypo	CHG	-0.4555
Gm20	586534	586592	Gmdrm	hypo	CHG	-0.1337
Gm20	590239	590376	Gmdrm	hypo	CHG	-0.032
Gm20	601129	601234	Gmdrm	hypo	CHG	-0.3155
Gm20	607921	608355	Gmdrm	hypo	CHG	-0.2836
Gm20	608515	608799	Gmdrm	hypo	CHG	-0.0343
Gm20	654127	654189	Gmdrm	hypo	CHG	-0.858
Gm20	654290	654649	Gmdrm	hypo	CHG	-0.9112
Gm20	654755	654857	Gmdrm	hypo	CHG	-0.851
Gm20	659674	659943	Gmdrm	hypo	CHG	-0.0299
Gm20	670855	671178	Gmdrm	hypo	CHG	-0.047
Gm20	675371	675590	Gmdrm	hypo	CHG	-0.05
Gm20	710423	710568	Gmdrm	hypo	CHG	-0.8778
Gm20	737254	737607	Gmdrm	hypo	CHG	-0.0523
Gm20	737716	738002	Gmdrm	hypo	CHG	-0.1387
Gm20	738138	738209	Gmdrm	hypo	CHG	-0.122
Gm20	738366	738416	Gmdrm	hypo	CHG	-0.1133
Gm20	740260	740415	Gmdrm	hypo	CHG	-0.0809
Gm20	741427	741597	Gmdrm	hypo	CHG	-0.0775
Gm20	743496	743601	Gmdrm	hypo	CHG	-0.3514
Gm20	747327	747435	Gmdrm	hypo	CHG	-0.092
Gm20	749592	749775	Gmdrm	hypo	CHG	-0.562

Gm20	750837	750910 Gmdrm	hypo	CHG	-0.4
Gm20	755586	755888 Gmdrm	hypo	CHG	-0.2453
Gm20	764188	764576 Gmdrm	hypo	CHG	-0.3036
Gm20	779707	779953 Gmdrm	hypo	CHG	-0.143
Gm20	790129	790496 Gmdrm	hypo	CHG	-0.0346
Gm20	795211	795860 Gmdrm	hypo	CHG	-0.4171
Gm20	797518	797626 Gmdrm	hypo	CHG	-0.696
Gm20	807487	807892 Gmdrm	hypo	CHG	-0.3881
Gm20	812302	812867 Gmdrm	hypo	CHG	-0.0573
Gm20	870590	871036 Gmdrm	hypo	CHG	-0.6528
Gm20	871245	871419 Gmdrm	hypo	CHG	-0.706
Gm20	878400	878653 Gmdrm	hypo	CHG	-0.6656
Gm20	880086	880351 Gmdrm	hypo	CHG	-0.7719
Gm20	881103	881235 Gmdrm	hypo	CHG	-0.0344
Gm20	882025	882190 Gmdrm	hypo	CHG	-0.554
Gm20	901031	901247 Gmdrm	hypo	CHG	-0.6875
Gm20	909677	910269 Gmdrm	hypo	CHG	-0.2174
Gm20	935427	935487 Gmdrm	hypo	CHG	-0.5317
Gm20	959232	959346 Gmdrm	hypo	CHG	-0.8329
Gm20	959761	960045 Gmdrm	hypo	CHG	-0.3223
Gm20	960202	960367 Gmdrm	hypo	CHG	-0.0313
Gm20	962948	963017 Gmdrm	hypo	CHG	-0.6084
Gm20	963371	963530 Gmdrm	hypo	CHG	-0.6055
Gm20	967910	968017 Gmdrm	hypo	CHG	-0.724
Gm20	984735	984760 Gmdrm	hypo	CHG	-0.5317
Gm20	985129	985247 Gmdrm	hypo	CHG	-0.618
Gm20	1009896	1010064 Gmdrm	hypo	CHG	-0.086
Gm20	1021670	1022009 Gmdrm	hypo	CHG	-0.1038
Gm20	1044272	1044507 Gmdrm	hypo	CHG	-0.59
Gm20	1070659	1071264 Gmdrm	hypo	CHG	-0.3292
Gm20	1071368	1071418 Gmdrm	hypo	CHG	-0.4263
Gm20	1071702	1071788 Gmdrm	hypo	CHG	-0.4013
Gm20	1083789	1084404 Gmdrm	hypo	CHG	-0.3492
Gm20	1096578	1096661 Gmdrm	hypo	CHG	-0.425
Gm20	1114413	1114536 Gmdrm	hypo	CHG	-0.3033
Gm20	1160130	1160209 Gmdrm	hypo	CHG	-0.5833
Gm20	1162250	1162388 Gmdrm	hypo	CHG	-0.0977
Gm20	1168991	1169235 Gmdrm	hypo	CHG	-0.3844
Gm20	1198012	1198151 Gmdrm	hypo	CHG	-0.602
Gm20	1198893	1199321 Gmdrm	hypo	CHG	-0.5393
Gm20	1199995	1200069 Gmdrm	hypo	CHG	-0.6014
Gm20	1201611	1201729 Gmdrm	hypo	CHG	-0.73
Gm20	1205497	1205571 Gmdrm	hypo	CHG	-0.9462
Gm20	1215553	1215811 Gmdrm	hypo	CHG	-0.5693
Gm20	1216061	1216103 Gmdrm	hypo	CHG	-0.3933
Gm20	1216713	1217288 Gmdrm	hypo	CHG	-0.1712

Gm20	1217393	1217553	Gmdrm	hypo	CHG	-0.5
Gm20	1245982	1246349	Gmdrm	hypo	CHG	-0.7592
Gm20	1246947	1247169	Gmdrm	hypo	CHG	-0.6585
Gm20	1257593	1257749	Gmdrm	hypo	CHG	-0.54
Gm20	1260925	1261014	Gmdrm	hypo	CHG	-0.2866
Gm20	1262993	1263250	Gmdrm	hypo	CHG	-0.6236
Gm20	1265489	1265783	Gmdrm	hypo	CHG	-0.37
Gm20	1266569	1266726	Gmdrm	hypo	CHG	-0.5939
Gm20	1267604	1267920	Gmdrm	hypo	CHG	-0.6657
Gm20	1268579	1268735	Gmdrm	hypo	CHG	-0.44
Gm20	1272424	1272479	Gmdrm	hypo	CHG	-0.8025
Gm20	1305020	1305158	Gmdrm	hypo	CHG	-0.216
Gm20	1318311	1318370	Gmdrm	hypo	CHG	-0.285
Gm20	1324490	1324686	Gmdrm	hypo	CHG	-0.5775
Gm20	1328369	1328426	Gmdrm	hypo	CHG	-0.0883
Gm20	1328936	1329046	Gmdrm	hypo	CHG	-0.676
Gm20	1338171	1338565	Gmdrm	hypo	CHG	-0.353
Gm20	1346856	1346917	Gmdrm	hypo	CHG	-0.1366
Gm20	1375782	1375944	Gmdrm	hypo	CHG	-0.0543
Gm20	1384474	1384519	Gmdrm	hypo	CHG	-0.468
Gm20	1384981	1385128	Gmdrm	hypo	CHG	-0.1743
Gm20	1386185	1386456	Gmdrm	hypo	CHG	-0.0311
Gm20	1402268	1402405	Gmdrm	hypo	CHG	-0.144
Gm20	1405030	1405475	Gmdrm	hypo	CHG	-0.3373
Gm20	1405647	1405773	Gmdrm	hypo	CHG	-0.4776
Gm20	1405896	1406043	Gmdrm	hypo	CHG	-0.374
Gm20	1406412	1406584	Gmdrm	hypo	CHG	-0.3883
Gm20	1408142	1408372	Gmdrm	hypo	CHG	-0.1966
Gm20	1408617	1408849	Gmdrm	hypo	CHG	-0.3518
Gm20	1410711	1411641	Gmdrm	hypo	CHG	-0.2039
Gm20	1411752	1412612	Gmdrm	hypo	CHG	-0.2098
Gm20	1421211	1421487	Gmdrm	hypo	CHG	-0.333
Gm20	1421858	1422257	Gmdrm	hypo	CHG	-0.4033
Gm20	1422886	1423127	Gmdrm	hypo	CHG	-0.405
Gm20	1423297	1423617	Gmdrm	hypo	CHG	-0.5971
Gm20	1424518	1425151	Gmdrm	hypo	CHG	-0.4127
Gm20	1425357	1425560	Gmdrm	hypo	CHG	-0.2625
Gm20	1425771	1425897	Gmdrm	hypo	CHG	-0.145
Gm20	1426052	1426354	Gmdrm	hypo	CHG	-0.198
Gm20	1427129	1427295	Gmdrm	hypo	CHG	-0.2714
Gm20	1427410	1427538	Gmdrm	hypo	CHG	-0.6071
Gm20	1427647	1428081	Gmdrm	hypo	CHG	-0.4431
Gm20	1428210	1428325	Gmdrm	hypo	CHG	-0.5489
Gm20	1443368	1443469	Gmdrm	hypo	CHG	-0.7633
Gm20	1454770	1455138	Gmdrm	hypo	CHG	-0.4193
Gm20	1460728	1461282	Gmdrm	hypo	CHG	-0.1168

Gm20	1468301	1468419	Gmdrm	hypo	CHG	-0.0672
Gm20	1523078	1523147	Gmdrm	hypo	CHG	-0.0933
Gm20	1524010	1524169	Gmdrm	hypo	CHG	-0.2267
Gm20	1545620	1546079	Gmdrm	hypo	CHG	-0.0572
Gm20	1567962	1568025	Gmdrm	hypo	CHG	-0.044
Gm20	1571206	1571392	Gmdrm	hypo	CHG	-0.1282
Gm20	1584254	1584557	Gmdrm	hypo	CHG	-0.1545
Gm20	1686234	1686283	Gmdrm	hypo	CHG	-0.5666
Gm20	1700389	1700711	Gmdrm	hypo	CHG	-0.0691
Gm20	1701365	1702350	Gmdrm	hypo	CHG	-0.2655
Gm20	1729575	1729692	Gmdrm	hypo	CHG	-0.35
Gm20	1730105	1730512	Gmdrm	hypo	CHG	-0.8361
Gm20	1730896	1731036	Gmdrm	hypo	CHG	-0.693
Gm20	1737516	1737615	Gmdrm	hypo	CHG	-0.6183
Gm20	1738249	1738363	Gmdrm	hypo	CHG	-0.1028
Gm20	1746079	1746409	Gmdrm	hypo	CHG	-0.28
Gm20	1752221	1752492	Gmdrm	hypo	CHG	-0.4368
Gm20	1765161	1765259	Gmdrm	hypo	CHG	-0.9189
Gm20	1765407	1765463	Gmdrm	hypo	CHG	-0.654
Gm20	1771111	1771231	Gmdrm	hypo	CHG	-0.3156
Gm20	1771337	1771563	Gmdrm	hypo	CHG	-0.314
Gm20	1773140	1773271	Gmdrm	hypo	CHG	-0.5125
Gm20	1774106	1774181	Gmdrm	hypo	CHG	-0.5416
Gm20	1774328	1774662	Gmdrm	hypo	CHG	-0.3735
Gm20	1786296	1786705	Gmdrm	hypo	CHG	-0.0886
Gm20	1798229	1798410	Gmdrm	hypo	CHG	-0.255
Gm20	1800065	1800362	Gmdrm	hypo	CHG	-0.4259
Gm20	1806141	1806230	Gmdrm	hypo	CHG	-0.308
Gm20	1808028	1808823	Gmdrm	hypo	CHG	-0.0936
Gm20	1815925	1816403	Gmdrm	hypo	CHG	-0.4006
Gm20	1817487	1817789	Gmdrm	hypo	CHG	-0.36
Gm20	1851272	1851924	Gmdrm	hypo	CHG	-0.4754
Gm20	1855441	1855781	Gmdrm	hypo	CHG	-0.186
Gm20	1865780	1866060	Gmdrm	hypo	CHG	-0.535
Gm20	1866264	1866467	Gmdrm	hypo	CHG	-0.4933
Gm20	1866950	1867156	Gmdrm	hypo	CHG	-0.531
Gm20	1871971	1872099	Gmdrm	hypo	CHG	-0.73
Gm20	1873452	1874098	Gmdrm	hypo	CHG	-0.7115
Gm20	1876834	1876993	Gmdrm	hypo	CHG	-0.8889
Gm20	1893795	1894270	Gmdrm	hypo	CHG	-0.7556
Gm20	1895789	1895864	Gmdrm	hypo	CHG	-0.8867
Gm20	1897428	1897738	Gmdrm	hypo	CHG	-0.0415
Gm20	1902071	1902216	Gmdrm	hypo	CHG	-0.0433
Gm20	1904536	1905040	Gmdrm	hypo	CHG	-0.2953
Gm20	1912774	1913001	Gmdrm	hypo	CHG	-0.5964
Gm20	1914449	1914610	Gmdrm	hypo	CHG	-0.4743

Gm20	1915062	1915274	Gmdrm	hypo	CHG	-0.06
Gm20	1929700	1930132	Gmdrm	hypo	CHG	-0.1667
Gm20	1934400	1934516	Gmdrm	hypo	CHG	-0.6027
Gm20	1935303	1936268	Gmdrm	hypo	CHG	-0.3827
Gm20	1936452	1936757	Gmdrm	hypo	CHG	-0.4292
Gm20	1944141	1944330	Gmdrm	hypo	CHG	-0.481
Gm20	1955820	1956082	Gmdrm	hypo	CHG	-0.3873
Gm20	1959399	1959633	Gmdrm	hypo	CHG	-0.3055
Gm20	1985379	1985447	Gmdrm	hypo	CHG	-0.302
Gm20	1988390	1988461	Gmdrm	hypo	CHG	-0.7967
Gm20	2005298	2005723	Gmdrm	hypo	CHG	-0.2204
Gm20	2016882	2017475	Gmdrm	hypo	CHG	-0.0456
Gm20	2021466	2021587	Gmdrm	hypo	CHG	-0.7733
Gm20	2022503	2022605	Gmdrm	hypo	CHG	-0.4267
Gm20	2024601	2024614	Gmdrm	hypo	CHG	-0.13
Gm20	2034937	2034979	Gmdrm	hypo	CHG	-0.835
Gm20	2035691	2035875	Gmdrm	hypo	CHG	-0.5216
Gm20	2047897	2048118	Gmdrm	hypo	CHG	-0.7277
Gm20	2064849	2065018	Gmdrm	hypo	CHG	-0.044
Gm20	2081367	2081616	Gmdrm	hypo	CHG	-0.9274
Gm20	2087835	2087983	Gmdrm	hypo	CHG	-0.7633
Gm20	2095026	2095135	Gmdrm	hypo	CHG	-0.512
Gm20	2123572	2123983	Gmdrm	hypo	CHG	-0.1178
Gm20	2129052	2129337	Gmdrm	hypo	CHG	-0.5678
Gm20	2147195	2147518	Gmdrm	hypo	CHG	-0.3453
Gm20	2148258	2148418	Gmdrm	hypo	CHG	-0.6922
Gm20	2155069	2155596	Gmdrm	hypo	CHG	-0.632
Gm20	2155965	2156242	Gmdrm	hypo	CHG	-0.775
Gm20	2156384	2156601	Gmdrm	hypo	CHG	-0.7591
Gm20	2156756	2157171	Gmdrm	hypo	CHG	-0.5995
Gm20	2157309	2157448	Gmdrm	hypo	CHG	-0.8243
Gm20	2157638	2157758	Gmdrm	hypo	CHG	-0.525
Gm20	2158318	2158414	Gmdrm	hypo	CHG	-0.594
Gm20	2158525	2158744	Gmdrm	hypo	CHG	-0.4885
Gm20	2161752	2161794	Gmdrm	hypo	CHG	-0.1867
Gm20	2163023	2163997	Gmdrm	hypo	CHG	-0.2631
Gm20	2164025	2164176	Gmdrm	hypo	CHG	-0.2572
Gm20	2166982	2167111	Gmdrm	hypo	CHG	-0.348
Gm20	2167413	2167533	Gmdrm	hypo	CHG	-0.071
Gm20	2168457	2168824	Gmdrm	hypo	CHG	-0.1857
Gm20	2181421	2181486	Gmdrm	hypo	CHG	-0.907
Gm20	2186214	2186563	Gmdrm	hypo	CHG	-0.5238
Gm20	2186743	2187480	Gmdrm	hypo	CHG	-0.2598
Gm20	2191311	2191701	Gmdrm	hypo	CHG	-0.4707
Gm20	2191810	2192245	Gmdrm	hypo	CHG	-0.4005
Gm20	2193879	2194110	Gmdrm	hypo	CHG	-0.1929

Gm20	2199001	2199103	Gmdrm	hypo	CHG	-0.3
Gm20	2200255	2200360	Gmdrm	hypo	CHG	-0.412
Gm20	2207543	2207740	Gmdrm	hypo	CHG	-0.8561
Gm20	2207884	2208168	Gmdrm	hypo	CHG	-0.766
Gm20	2212638	2213277	Gmdrm	hypo	CHG	-0.264
Gm20	2213420	2213482	Gmdrm	hypo	CHG	-0.2386
Gm20	2216310	2216413	Gmdrm	hypo	CHG	-0.285
Gm20	2245741	2246056	Gmdrm	hypo	CHG	-0.8226
Gm20	2249888	2250116	Gmdrm	hypo	CHG	-0.3659
Gm20	2264129	2264260	Gmdrm	hypo	CHG	-0.317
Gm20	2288237	2288604	Gmdrm	hypo	CHG	-0.23
Gm20	2292394	2292524	Gmdrm	hypo	CHG	-0.625
Gm20	2292668	2292933	Gmdrm	hypo	CHG	-0.5877
Gm20	2306274	2306411	Gmdrm	hypo	CHG	-0.19
Gm20	2320295	2320478	Gmdrm	hypo	CHG	-0.0513
Gm20	2329062	2329200	Gmdrm	hypo	CHG	-0.038
Gm20	2340918	2341189	Gmdrm	hypo	CHG	-0.0813
Gm20	2345235	2345320	Gmdrm	hypo	CHG	-0.0734
Gm20	2356317	2356423	Gmdrm	hypo	CHG	-0.8827
Gm20	2356541	2357362	Gmdrm	hypo	CHG	-0.4826
Gm20	2362959	2363006	Gmdrm	hypo	CHG	-0.625
Gm20	2367717	2367916	Gmdrm	hypo	CHG	-0.042
Gm20	2423413	2423550	Gmdrm	hypo	CHG	-0.5715
Gm20	2427835	2427936	Gmdrm	hypo	CHG	-0.575
Gm20	2432175	2432559	Gmdrm	hypo	CHG	-0.3743
Gm20	2435692	2436083	Gmdrm	hypo	CHG	-0.2585
Gm20	2454146	2454415	Gmdrm	hypo	CHG	-0.4223
Gm20	2492739	2493073	Gmdrm	hypo	CHG	-0.3925
Gm20	2494335	2494481	Gmdrm	hypo	CHG	-0.7233
Gm20	2495215	2495289	Gmdrm	hypo	CHG	-0.6784
Gm20	2541033	2541208	Gmdrm	hypo	CHG	-0.5888
Gm20	2541329	2541415	Gmdrm	hypo	CHG	-0.8189
Gm20	2541731	2541895	Gmdrm	hypo	CHG	-0.706
Gm20	2594977	2595123	Gmdrm	hypo	CHG	-0.584
Gm20	2605664	2605774	Gmdrm	hypo	CHG	-0.0566
Gm20	2609266	2609362	Gmdrm	hypo	CHG	-0.6483
Gm20	2630259	2630383	Gmdrm	hypo	CHG	-0.3217
Gm20	2634790	2634914	Gmdrm	hypo	CHG	-0.4766
Gm20	2635227	2635329	Gmdrm	hypo	CHG	-0.4355
Gm20	2635844	2636007	Gmdrm	hypo	CHG	-0.3757
Gm20	2645617	2645739	Gmdrm	hypo	CHG	-0.365
Gm20	2645903	2646876	Gmdrm	hypo	CHG	-0.2004
Gm20	2647645	2648097	Gmdrm	hypo	CHG	-0.1056
Gm20	2666295	2666733	Gmdrm	hypo	CHG	-0.5656
Gm20	2708910	2709222	Gmdrm	hypo	CHG	-0.4254
Gm20	2736167	2736797	Gmdrm	hypo	CHG	-0.0892

Gm20	2744439	2745084	Gmdrm	hypo	CHG	-0.5517
Gm20	2770247	2770545	Gmdrm	hypo	CHG	-0.062
Gm20	2771942	2772429	Gmdrm	hypo	CHG	-0.1
Gm20	2781734	2781968	Gmdrm	hypo	CHG	-0.392
Gm20	2782227	2782344	Gmdrm	hypo	CHG	-0.0417
Gm20	2782988	2783046	Gmdrm	hypo	CHG	-0.74
Gm20	2783190	2783274	Gmdrm	hypo	CHG	-0.8971
Gm20	2783402	2783493	Gmdrm	hypo	CHG	-0.7883
Gm20	2793384	2793756	Gmdrm	hypo	CHG	-0.375
Gm20	2796564	2796789	Gmdrm	hypo	CHG	-0.3577
Gm20	2796922	2797918	Gmdrm	hypo	CHG	-0.2753
Gm20	2797932	2798362	Gmdrm	hypo	CHG	-0.2526
Gm20	2798502	2798719	Gmdrm	hypo	CHG	-0.4078
Gm20	2798954	2799216	Gmdrm	hypo	CHG	-0.3045
Gm20	2799476	2799614	Gmdrm	hypo	CHG	-0.4663
Gm20	2799954	2800095	Gmdrm	hypo	CHG	-0.31
Gm20	2801095	2801190	Gmdrm	hypo	CHG	-0.4029
Gm20	2802881	2803046	Gmdrm	hypo	CHG	-0.5923
Gm20	2803164	2803186	Gmdrm	hypo	CHG	-0.51
Gm20	2803310	2803683	Gmdrm	hypo	CHG	-0.4847
Gm20	2803785	2803911	Gmdrm	hypo	CHG	-0.5562
Gm20	2805639	2805906	Gmdrm	hypo	CHG	-0.4766
Gm20	2807221	2807372	Gmdrm	hypo	CHG	-0.654
Gm20	2821231	2821378	Gmdrm	hypo	CHG	-0.51
Gm20	2848722	2848970	Gmdrm	hypo	CHG	-0.68
Gm20	2850677	2850866	Gmdrm	hypo	CHG	-0.4583
Gm20	2851118	2851786	Gmdrm	hypo	CHG	-0.25
Gm20	2851928	2852041	Gmdrm	hypo	CHG	-0.4
Gm20	2852144	2852306	Gmdrm	hypo	CHG	-0.564
Gm20	2878639	2878888	Gmdrm	hypo	CHG	-0.2643
Gm20	2892468	2892682	Gmdrm	hypo	CHG	-0.4385
Gm20	2892806	2892897	Gmdrm	hypo	CHG	-0.7272
Gm20	2893134	2893201	Gmdrm	hypo	CHG	-0.8233
Gm20	2901376	2901417	Gmdrm	hypo	CHG	-0.4283
Gm20	2910328	2910567	Gmdrm	hypo	CHG	-0.776
Gm20	2916157	2916195	Gmdrm	hypo	CHG	-0.034
Gm20	2916351	2916568	Gmdrm	hypo	CHG	-0.28
Gm20	2919783	2919927	Gmdrm	hypo	CHG	-0.4858
Gm20	2926475	2926715	Gmdrm	hypo	CHG	-0.753
Gm20	2928016	2928242	Gmdrm	hypo	CHG	-0.8312
Gm20	2984342	2984767	Gmdrm	hypo	CHG	-0.7246
Gm20	2985399	2985513	Gmdrm	hypo	CHG	-0.5662
Gm20	2986908	2987093	Gmdrm	hypo	CHG	-0.519
Gm20	2987210	2988129	Gmdrm	hypo	CHG	-0.312
Gm20	2994756	2995327	Gmdrm	hypo	CHG	-0.1574
Gm20	2996185	2996339	Gmdrm	hypo	CHG	-0.7469

Gm20	3002616	3002691 Gmdrm	hypo	CHG	-0.1137
Gm20	3031476	3031652 Gmdrm	hypo	CHG	-0.452
Gm20	3041779	3042033 Gmdrm	hypo	CHG	-0.5873
Gm20	3061394	3061587 Gmdrm	hypo	CHG	-0.3187
Gm20	3067172	3067487 Gmdrm	hypo	CHG	-0.42
Gm20	3073998	3074047 Gmdrm	hypo	CHG	-0.7166
Gm20	3118994	3119220 Gmdrm	hypo	CHG	-0.476
Gm20	3142299	3142445 Gmdrm	hypo	CHG	-0.3317
Gm20	3180672	3181170 Gmdrm	hypo	CHG	-0.271
Gm20	3183377	3183530 Gmdrm	hypo	CHG	-0.051
Gm20	3183707	3184675 Gmdrm	hypo	CHG	-0.1637
Gm20	3184726	3185518 Gmdrm	hypo	CHG	-0.2053
Gm20	3189803	3189989 Gmdrm	hypo	CHG	-0.7137
Gm20	3208188	3208354 Gmdrm	hypo	CHG	-0.3134
Gm20	3380412	3380635 Gmdrm	hypo	CHG	-0.0583
Gm20	3381166	3381663 Gmdrm	hypo	CHG	-0.1431
Gm20	3389469	3390064 Gmdrm	hypo	CHG	-0.3354
Gm20	3390296	3390339 Gmdrm	hypo	CHG	-0.376
Gm20	3390488	3390856 Gmdrm	hypo	CHG	-0.4874
Gm20	3391581	3391749 Gmdrm	hypo	CHG	-0.344
Gm20	3391851	3392219 Gmdrm	hypo	CHG	-0.2662
Gm20	3392321	3392736 Gmdrm	hypo	CHG	-0.3579
Gm20	3394739	3395059 Gmdrm	hypo	CHG	-0.0554
Gm20	3395165	3395363 Gmdrm	hypo	CHG	-0.051
Gm20	3395558	3395805 Gmdrm	hypo	CHG	-0.2
Gm20	3396984	3397191 Gmdrm	hypo	CHG	-0.0775
Gm20	3397458	3397523 Gmdrm	hypo	CHG	-0.537
Gm20	3411427	3411650 Gmdrm	hypo	CHG	-0.1288
Gm20	3412013	3412236 Gmdrm	hypo	CHG	-0.2339
Gm20	3412840	3413344 Gmdrm	hypo	CHG	-0.1665
Gm20	3420604	3420876 Gmdrm	hypo	CHG	-0.0864
Gm20	3448615	3448979 Gmdrm	hypo	CHG	-0.3831
Gm20	3450649	3450806 Gmdrm	hypo	CHG	-0.3993
Gm20	3452649	3452846 Gmdrm	hypo	CHG	-0.271
Gm20	3453162	3453287 Gmdrm	hypo	CHG	-0.34
Gm20	3455182	3455329 Gmdrm	hypo	CHG	-0.4956
Gm20	3455582	3455915 Gmdrm	hypo	CHG	-0.2479
Gm20	3459529	3459774 Gmdrm	hypo	CHG	-0.0617
Gm20	3459910	3460195 Gmdrm	hypo	CHG	-0.492
Gm20	3461061	3461255 Gmdrm	hypo	CHG	-0.316
Gm20	3462121	3462663 Gmdrm	hypo	CHG	-0.2972
Gm20	3462765	3463193 Gmdrm	hypo	CHG	-0.3912
Gm20	3471216	3471734 Gmdrm	hypo	CHG	-0.1229
Gm20	3472050	3472339 Gmdrm	hypo	CHG	-0.2409
Gm20	3473828	3474227 Gmdrm	hypo	CHG	-0.2707
Gm20	3477114	3477385 Gmdrm	hypo	CHG	-0.36

Gm20	3493620	3493758	Gmdrm	hypo	CHG	-0.1867
Gm20	3494096	3495090	Gmdrm	hypo	CHG	-0.2644
Gm20	3497704	3497734	Gmdrm	hypo	CHG	-0.124
Gm20	3497918	3498263	Gmdrm	hypo	CHG	-0.1957
Gm20	3499645	3499944	Gmdrm	hypo	CHG	-0.2415
Gm20	3509516	3509569	Gmdrm	hypo	CHG	-0.4412
Gm20	3515706	3516005	Gmdrm	hypo	CHG	-0.115
Gm20	3647063	3647341	Gmdrm	hypo	CHG	-0.5159
Gm20	3719052	3719169	Gmdrm	hypo	CHG	-0.1962
Gm20	3723253	3723315	Gmdrm	hypo	CHG	-0.6883
Gm20	3742982	3743083	Gmdrm	hypo	CHG	-0.208
Gm20	3749446	3749541	Gmdrm	hypo	CHG	-0.065
Gm20	3749858	3750083	Gmdrm	hypo	CHG	-0.147
Gm20	3750184	3750205	Gmdrm	hypo	CHG	-0.114
Gm20	3754623	3754698	Gmdrm	hypo	CHG	-0.5017
Gm20	3754901	3754951	Gmdrm	hypo	CHG	-0.8475
Gm20	3759741	3759853	Gmdrm	hypo	CHG	-0.1825
Gm20	3760336	3760463	Gmdrm	hypo	CHG	-0.1734
Gm20	3768720	3769441	Gmdrm	hypo	CHG	-0.2877
Gm20	3770962	3770987	Gmdrm	hypo	CHG	-0.735
Gm20	3771089	3771324	Gmdrm	hypo	CHG	-0.346
Gm20	3774174	3774360	Gmdrm	hypo	CHG	-0.6837
Gm20	3874932	3875222	Gmdrm	hypo	CHG	-0.2239
Gm20	3894716	3894811	Gmdrm	hypo	CHG	-0.318
Gm20	3895143	3895280	Gmdrm	hypo	CHG	-0.6973
Gm20	3902654	3903305	Gmdrm	hypo	CHG	-0.2181
Gm20	3914064	3914325	Gmdrm	hypo	CHG	-0.5312
Gm20	3914975	3915040	Gmdrm	hypo	CHG	-0.032
Gm20	3933752	3933880	Gmdrm	hypo	CHG	-0.4357
Gm20	4006883	4006988	Gmdrm	hypo	CHG	-0.1743
Gm20	4060030	4060103	Gmdrm	hypo	CHG	-0.3684
Gm20	4060429	4060759	Gmdrm	hypo	CHG	-0.4373
Gm20	4122129	4122268	Gmdrm	hypo	CHG	-0.318
Gm20	4122392	4122468	Gmdrm	hypo	CHG	-0.3083
Gm20	4189100	4189243	Gmdrm	hypo	CHG	-0.1233
Gm20	4204496	4204815	Gmdrm	hypo	CHG	-0.6574
Gm20	4208668	4208715	Gmdrm	hypo	CHG	-0.36
Gm20	4210374	4210415	Gmdrm	hypo	CHG	-0.038
Gm20	4296004	4296193	Gmdrm	hypo	CHG	-0.439
Gm20	4359065	4359196	Gmdrm	hypo	CHG	-0.2238
Gm20	4382613	4383236	Gmdrm	hypo	CHG	-0.3534
Gm20	4429738	4429910	Gmdrm	hypo	CHG	-0.326
Gm20	4430013	4430417	Gmdrm	hypo	CHG	-0.3225
Gm20	4470208	4470414	Gmdrm	hypo	CHG	-0.5154
Gm20	4472117	4472379	Gmdrm	hypo	CHG	-0.4811
Gm20	4522429	4522662	Gmdrm	hypo	CHG	-0.5759

Gm20	4586707	4586741 Gmdrm	hypo	CHG	-0.5533
Gm20	4587484	4587579 Gmdrm	hypo	CHG	-0.3314
Gm20	4588047	4588210 Gmdrm	hypo	CHG	-0.3175
Gm20	4590379	4590557 Gmdrm	hypo	CHG	-0.4867
Gm20	4622712	4622851 Gmdrm	hypo	CHG	-0.555
Gm20	4623073	4623181 Gmdrm	hypo	CHG	-0.8593
Gm20	4628937	4629932 Gmdrm	hypo	CHG	-0.5874
Gm20	4629941	4630290 Gmdrm	hypo	CHG	-0.445
Gm20	4647787	4647932 Gmdrm	hypo	CHG	-0.41
Gm20	4648439	4648752 Gmdrm	hypo	CHG	-0.2174
Gm20	4663419	4663694 Gmdrm	hypo	CHG	-0.4816
Gm20	4664724	4664841 Gmdrm	hypo	CHG	-0.3985
Gm20	4674864	4675239 Gmdrm	hypo	CHG	-0.2537
Gm20	4677588	4678118 Gmdrm	hypo	CHG	-0.7814
Gm20	4686238	4686322 Gmdrm	hypo	CHG	-0.065
Gm20	4687371	4687504 Gmdrm	hypo	CHG	-0.048
Gm20	4703226	4703311 Gmdrm	hypo	CHG	-0.175
Gm20	4707434	4707657 Gmdrm	hypo	CHG	-0.0937
Gm20	4707766	4707902 Gmdrm	hypo	CHG	-0.195
Gm20	4737692	4737729 Gmdrm	hypo	CHG	-0.115
Gm20	4760811	4761527 Gmdrm	hypo	CHG	-0.2405
Gm20	4779495	4779744 Gmdrm	hypo	CHG	-0.32
Gm20	4799918	4800057 Gmdrm	hypo	CHG	-0.736
Gm20	4800325	4800443 Gmdrm	hypo	CHG	-0.504
Gm20	4801559	4801718 Gmdrm	hypo	CHG	-0.1325
Gm20	4838060	4838288 Gmdrm	hypo	CHG	-0.3964
Gm20	4838488	4838760 Gmdrm	hypo	CHG	-0.3726
Gm20	4840686	4840827 Gmdrm	hypo	CHG	-0.2933
Gm20	4850351	4850606 Gmdrm	hypo	CHG	-0.1136
Gm20	4865792	4865891 Gmdrm	hypo	CHG	-0.246
Gm20	4878072	4878320 Gmdrm	hypo	CHG	-0.2523
Gm20	4879919	4880214 Gmdrm	hypo	CHG	-0.7216
Gm20	4925627	4925660 Gmdrm	hypo	CHG	-0.5784
Gm20	5086179	5086739 Gmdrm	hypo	CHG	-0.2194
Gm20	5195137	5195245 Gmdrm	hypo	CHG	-0.3888
Gm20	5201492	5201545 Gmdrm	hypo	CHG	-0.12
Gm20	5229833	5230017 Gmdrm	hypo	CHG	-0.3393
Gm20	5235166	5235271 Gmdrm	hypo	CHG	-0.684
Gm20	5235527	5236003 Gmdrm	hypo	CHG	-0.2765
Gm20	5237770	5237881 Gmdrm	hypo	CHG	-0.6016
Gm20	5238034	5238388 Gmdrm	hypo	CHG	-0.0278
Gm20	5240566	5240714 Gmdrm	hypo	CHG	-0.8414
Gm20	5240828	5240917 Gmdrm	hypo	CHG	-0.758
Gm20	5243411	5243750 Gmdrm	hypo	CHG	-0.4792
Gm20	5246084	5246384 Gmdrm	hypo	CHG	-0.253
Gm20	5251400	5251576 Gmdrm	hypo	CHG	-0.3488

Gm20	5252349	5252573	Gmdrm	hypo	CHG	-0.3382
Gm20	5252867	5253131	Gmdrm	hypo	CHG	-0.1763
Gm20	5253411	5253491	Gmdrm	hypo	CHG	-0.57
Gm20	5299120	5299315	Gmdrm	hypo	CHG	-0.07
Gm20	5321252	5321585	Gmdrm	hypo	CHG	-0.1226
Gm20	5342186	5342360	Gmdrm	hypo	CHG	-0.682
Gm20	5344785	5345099	Gmdrm	hypo	CHG	-0.636
Gm20	5345421	5345645	Gmdrm	hypo	CHG	-0.7245
Gm20	5345755	5345798	Gmdrm	hypo	CHG	-0.08
Gm20	5349843	5349960	Gmdrm	hypo	CHG	-0.6716
Gm20	5352073	5352194	Gmdrm	hypo	CHG	-0.5566
Gm20	5352514	5352651	Gmdrm	hypo	CHG	-0.605
Gm20	5460298	5460437	Gmdrm	hypo	CHG	-0.0417
Gm20	5461278	5461388	Gmdrm	hypo	CHG	-0.6311
Gm20	5462140	5462582	Gmdrm	hypo	CHG	-0.3228
Gm20	5521651	5521802	Gmdrm	hypo	CHG	-0.7114
Gm20	5572370	5572437	Gmdrm	hypo	CHG	-0.2214
Gm20	5602954	5603088	Gmdrm	hypo	CHG	-0.45
Gm20	5603760	5603869	Gmdrm	hypo	CHG	-0.4217
Gm20	5608457	5609047	Gmdrm	hypo	CHG	-0.4787
Gm20	5609170	5609541	Gmdrm	hypo	CHG	-0.5228
Gm20	5611310	5611542	Gmdrm	hypo	CHG	-0.3809
Gm20	5765718	5766001	Gmdrm	hypo	CHG	-0.2136
Gm20	5769868	5770001	Gmdrm	hypo	CHG	-0.1675
Gm20	5778344	5779064	Gmdrm	hypo	CHG	-0.4297
Gm20	5797521	5797801	Gmdrm	hypo	CHG	-0.205
Gm20	5830939	5831033	Gmdrm	hypo	CHG	-0.5857
Gm20	5831331	5831374	Gmdrm	hypo	CHG	-0.5284
Gm20	5952846	5953218	Gmdrm	hypo	CHG	-0.2965
Gm20	5981267	5981388	Gmdrm	hypo	CHG	-0.5917
Gm20	5981568	5981857	Gmdrm	hypo	CHG	-0.3646
Gm20	6013569	6013722	Gmdrm	hypo	CHG	-0.044
Gm20	6132331	6132438	Gmdrm	hypo	CHG	-0.3216
Gm20	6255767	6256539	Gmdrm	hypo	CHG	-0.4816
Gm20	6258346	6258377	Gmdrm	hypo	CHG	-0.26
Gm20	6299037	6299159	Gmdrm	hypo	CHG	-0.6243
Gm20	6350151	6350227	Gmdrm	hypo	CHG	-0.3917
Gm20	6350352	6350511	Gmdrm	hypo	CHG	-0.72
Gm20	6416000	6416149	Gmdrm	hypo	CHG	-0.4571
Gm20	6471302	6471627	Gmdrm	hypo	CHG	-0.3987
Gm20	6661378	6661536	Gmdrm	hypo	CHG	-0.6299
Gm20	6661751	6662127	Gmdrm	hypo	CHG	-0.367
Gm20	6671100	6671133	Gmdrm	hypo	CHG	-0.506
Gm20	6671240	6671493	Gmdrm	hypo	CHG	-0.3328
Gm20	6690549	6690827	Gmdrm	hypo	CHG	-0.3189
Gm20	6690971	6691108	Gmdrm	hypo	CHG	-0.283

Gm20	6726758	6727105	Gmdrm	hypo	CHG	-0.4644
Gm20	6748481	6748565	Gmdrm	hypo	CHG	-0.3583
Gm20	6789741	6789832	Gmdrm	hypo	CHG	-0.2971
Gm20	6924448	6924649	Gmdrm	hypo	CHG	-0.1063
Gm20	6928102	6928620	Gmdrm	hypo	CHG	-0.3061
Gm20	6989115	6989251	Gmdrm	hypo	CHG	-0.1877
Gm20	7013379	7013455	Gmdrm	hypo	CHG	-0.2728
Gm20	7135273	7135497	Gmdrm	hypo	CHG	-0.7095
Gm20	7136265	7136363	Gmdrm	hypo	CHG	-0.046
Gm20	7155196	7155320	Gmdrm	hypo	CHG	-0.384
Gm20	7155810	7155993	Gmdrm	hypo	CHG	-0.1473
Gm20	7156955	7157020	Gmdrm	hypo	CHG	-0.278
Gm20	7158730	7158842	Gmdrm	hypo	CHG	-0.6816
Gm20	7159005	7159106	Gmdrm	hypo	CHG	-0.885
Gm20	7195882	7195928	Gmdrm	hypo	CHG	-0.25
Gm20	7199339	7199697	Gmdrm	hypo	CHG	-0.3854
Gm20	7201823	7202557	Gmdrm	hypo	CHG	-0.3146
Gm20	7230112	7230353	Gmdrm	hypo	CHG	-0.4036
Gm20	7240687	7241613	Gmdrm	hypo	CHG	-0.2466
Gm20	7249177	7249279	Gmdrm	hypo	CHG	-0.05
Gm20	7253810	7253945	Gmdrm	hypo	CHG	-0.036
Gm20	7306710	7306981	Gmdrm	hypo	CHG	-0.1329
Gm20	7440876	7441074	Gmdrm	hypo	CHG	-0.1365
Gm20	7486404	7486605	Gmdrm	hypo	CHG	-0.3814
Gm20	7486900	7487068	Gmdrm	hypo	CHG	-0.6736
Gm20	7487428	7487572	Gmdrm	hypo	CHG	-0.1586
Gm20	7488083	7488390	Gmdrm	hypo	CHG	-0.4091
Gm20	7488945	7489692	Gmdrm	hypo	CHG	-0.1202
Gm20	7491954	7492274	Gmdrm	hypo	CHG	-0.1732
Gm20	7493231	7493372	Gmdrm	hypo	CHG	-0.3233
Gm20	7494890	7494998	Gmdrm	hypo	CHG	-0.3537
Gm20	7499427	7499594	Gmdrm	hypo	CHG	-0.5457
Gm20	7503495	7503529	Gmdrm	hypo	CHG	-0.48
Gm20	7503964	7504008	Gmdrm	hypo	CHG	-0.165
Gm20	7505151	7505487	Gmdrm	hypo	CHG	-0.7847
Gm20	7519743	7519775	Gmdrm	hypo	CHG	-0.54
Gm20	7520339	7520473	Gmdrm	hypo	CHG	-0.4812
Gm20	7524668	7524924	Gmdrm	hypo	CHG	-0.4354
Gm20	7525361	7525413	Gmdrm	hypo	CHG	-0.4266
Gm20	7572046	7572223	Gmdrm	hypo	CHG	-0.107
Gm20	7629717	7629921	Gmdrm	hypo	CHG	-0.0275
Gm20	7630415	7630574	Gmdrm	hypo	CHG	-0.4472
Gm20	7632304	7632384	Gmdrm	hypo	CHG	-0.4533
Gm20	7668046	7668058	Gmdrm	hypo	CHG	-0.352
Gm20	7672710	7672938	Gmdrm	hypo	CHG	-0.304
Gm20	7673480	7673750	Gmdrm	hypo	CHG	-0.3148

Gm20	7673913	7674198	Gmdrm	hypo	CHG	-0.5082
Gm20	7674301	7674353	Gmdrm	hypo	CHG	-0.5317
Gm20	7678175	7679068	Gmdrm	hypo	CHG	-0.2097
Gm20	7680554	7681138	Gmdrm	hypo	CHG	-0.2794
Gm20	7681364	7681510	Gmdrm	hypo	CHG	-0.775
Gm20	7681703	7681787	Gmdrm	hypo	CHG	-0.3325
Gm20	7689474	7689503	Gmdrm	hypo	CHG	-0.5383
Gm20	7699185	7699318	Gmdrm	hypo	CHG	-0.4728
Gm20	7731395	7732009	Gmdrm	hypo	CHG	-0.2605
Gm20	7734044	7734151	Gmdrm	hypo	CHG	-0.766
Gm20	7734464	7734733	Gmdrm	hypo	CHG	-0.2504
Gm20	7772333	7772389	Gmdrm	hypo	CHG	-0.7358
Gm20	7773239	7773324	Gmdrm	hypo	CHG	-0.0617
Gm20	7775257	7775394	Gmdrm	hypo	CHG	-0.3117
Gm20	7899040	7899210	Gmdrm	hypo	CHG	-0.3291
Gm20	7901406	7901434	Gmdrm	hypo	CHG	-0.235
Gm20	7901565	7901626	Gmdrm	hypo	CHG	-0.3271
Gm20	7903190	7903562	Gmdrm	hypo	CHG	-0.8009
Gm20	7904372	7904620	Gmdrm	hypo	CHG	-0.5315
Gm20	8098092	8098301	Gmdrm	hypo	CHG	-0.87
Gm20	8108612	8108729	Gmdrm	hypo	CHG	-0.0772
Gm20	8112396	8112492	Gmdrm	hypo	CHG	-0.0667
Gm20	8117848	8117903	Gmdrm	hypo	CHG	-0.326
Gm20	8165406	8165623	Gmdrm	hypo	CHG	-0.6013
Gm20	8165737	8165850	Gmdrm	hypo	CHG	-0.37
Gm20	8179899	8179945	Gmdrm	hypo	CHG	-0.5012
Gm20	8263562	8263788	Gmdrm	hypo	CHG	-0.32
Gm20	8322529	8322845	Gmdrm	hypo	CHG	-0.255
Gm20	8323000	8323105	Gmdrm	hypo	CHG	-0.5342
Gm20	8323222	8323332	Gmdrm	hypo	CHG	-0.529
Gm20	8324842	8324906	Gmdrm	hypo	CHG	-0.036
Gm20	8493767	8494043	Gmdrm	hypo	CHG	-0.8247
Gm20	8507820	8507862	Gmdrm	hypo	CHG	-0.97
Gm20	8526523	8527180	Gmdrm	hypo	CHG	-0.2267
Gm20	8535162	8535240	Gmdrm	hypo	CHG	-0.584
Gm20	8577107	8577151	Gmdrm	hypo	CHG	-0.195
Gm20	8589082	8589658	Gmdrm	hypo	CHG	-0.2
Gm20	8594529	8594655	Gmdrm	hypo	CHG	-0.2392
Gm20	8605630	8605865	Gmdrm	hypo	CHG	-0.0514
Gm20	8609033	8609226	Gmdrm	hypo	CHG	-0.312
Gm20	8634152	8634290	Gmdrm	hypo	CHG	-0.6888
Gm20	8638968	8639240	Gmdrm	hypo	CHG	-0.0914
Gm20	8647244	8647512	Gmdrm	hypo	CHG	-0.407
Gm20	8651061	8651093	Gmdrm	hypo	CHG	-0.09
Gm20	8723666	8723840	Gmdrm	hypo	CHG	-0.1311
Gm20	8724068	8724366	Gmdrm	hypo	CHG	-0.486

Gm20	8738871	8739067	Gmdrm	hypo	CHG	-0.3413
Gm20	8755099	8755219	Gmdrm	hypo	CHG	-0.1834
Gm20	8756051	8756424	Gmdrm	hypo	CHG	-0.3907
Gm20	8762299	8762683	Gmdrm	hypo	CHG	-0.4292
Gm20	8781346	8781530	Gmdrm	hypo	CHG	-0.1067
Gm20	8786230	8786491	Gmdrm	hypo	CHG	-0.1727
Gm20	8881974	8882136	Gmdrm	hypo	CHG	-0.04
Gm20	8887760	8888057	Gmdrm	hypo	CHG	-0.2813
Gm20	8888191	8888309	Gmdrm	hypo	CHG	-0.4074
Gm20	8888553	8889363	Gmdrm	hypo	CHG	-0.235
Gm20	8889685	8889937	Gmdrm	hypo	CHG	-0.2273
Gm20	8890063	8890272	Gmdrm	hypo	CHG	-0.3372
Gm20	8890406	8890551	Gmdrm	hypo	CHG	-0.22
Gm20	8890713	8891228	Gmdrm	hypo	CHG	-0.341
Gm20	8891445	8891549	Gmdrm	hypo	CHG	-0.6233
Gm20	8892299	8892464	Gmdrm	hypo	CHG	-0.51
Gm20	8893588	8893933	Gmdrm	hypo	CHG	-0.4729
Gm20	8894890	8895105	Gmdrm	hypo	CHG	-0.3822
Gm20	8900640	8900674	Gmdrm	hypo	CHG	-0.5257
Gm20	8956448	8956524	Gmdrm	hypo	CHG	-0.2357
Gm20	8965917	8966043	Gmdrm	hypo	CHG	-0.7414
Gm20	8975482	8976228	Gmdrm	hypo	CHG	-0.7419
Gm20	8980866	8981270	Gmdrm	hypo	CHG	-0.6124
Gm20	8991411	8991717	Gmdrm	hypo	CHG	-0.249
Gm20	9166089	9166234	Gmdrm	hypo	CHG	-0.5529
Gm20	9221069	9221127	Gmdrm	hypo	CHG	-0.132
Gm20	9228144	9228318	Gmdrm	hypo	CHG	-0.062
Gm20	9303097	9303309	Gmdrm	hypo	CHG	-0.4255
Gm20	9482288	9482328	Gmdrm	hypo	CHG	-0.134
Gm20	9484539	9484671	Gmdrm	hypo	CHG	-0.566
Gm20	9575342	9575540	Gmdrm	hypo	CHG	-0.1845
Gm20	9646102	9646329	Gmdrm	hypo	CHG	-0.369
Gm20	9968061	9968327	Gmdrm	hypo	CHG	-0.0872
Gm20	9982517	9983433	Gmdrm	hypo	CHG	-0.1908
Gm20	9983530	9984296	Gmdrm	hypo	CHG	-0.2633
Gm20	9986158	9986661	Gmdrm	hypo	CHG	-0.2244
Gm20	9999753	9999966	Gmdrm	hypo	CHG	-0.77
Gm20	10000288	10000383	Gmdrm	hypo	CHG	-0.3312
Gm20	10107457	10107661	Gmdrm	hypo	CHG	-0.4117
Gm20	10112375	10112511	Gmdrm	hypo	CHG	-0.0588
Gm20	10159637	10159802	Gmdrm	hypo	CHG	-0.1862
Gm20	10218464	10218521	Gmdrm	hypo	CHG	-0.3834
Gm20	10223034	10223100	Gmdrm	hypo	CHG	-0.1045
Gm20	10223207	10223607	Gmdrm	hypo	CHG	-0.0947
Gm20	10224484	10225378	Gmdrm	hypo	CHG	-0.2139
Gm20	10225631	10225843	Gmdrm	hypo	CHG	-0.058

Gm20	10228176	10228254	Gmdrm	hypo	CHG	-0.1291
Gm20	10363533	10363641	Gmdrm	hypo	CHG	-0.11
Gm20	10429330	10429666	Gmdrm	hypo	CHG	-0.1694
Gm20	10541494	10541582	Gmdrm	hypo	CHG	-0.2087
Gm20	10657711	10657757	Gmdrm	hypo	CHG	-0.7543
Gm20	10664157	10664442	Gmdrm	hypo	CHG	-0.0743
Gm20	10664747	10665070	Gmdrm	hypo	CHG	-0.2
Gm20	10723824	10723963	Gmdrm	hypo	CHG	-0.7866
Gm20	10724601	10724719	Gmdrm	hypo	CHG	-0.5343
Gm20	10726581	10726926	Gmdrm	hypo	CHG	-0.4738
Gm20	10727911	10728250	Gmdrm	hypo	CHG	-0.1308
Gm20	10728598	10728681	Gmdrm	hypo	CHG	-0.062
Gm20	11050932	11050992	Gmdrm	hypo	CHG	-0.116
Gm20	11094609	11094808	Gmdrm	hypo	CHG	-0.0975
Gm20	11216165	11216309	Gmdrm	hypo	CHG	-0.5361
Gm20	11223507	11224044	Gmdrm	hypo	CHG	-0.3778
Gm20	11226317	11226592	Gmdrm	hypo	CHG	-0.0514
Gm20	11226771	11227019	Gmdrm	hypo	CHG	-0.4064
Gm20	11227167	11227384	Gmdrm	hypo	CHG	-0.445
Gm20	11228324	11228498	Gmdrm	hypo	CHG	-0.6283
Gm20	11231692	11231816	Gmdrm	hypo	CHG	-0.098
Gm20	11332154	11332320	Gmdrm	hypo	CHG	-0.392
Gm20	11454276	11454690	Gmdrm	hypo	CHG	-0.4371
Gm20	11456706	11456815	Gmdrm	hypo	CHG	-0.668
Gm20	11457831	11457997	Gmdrm	hypo	CHG	-0.325
Gm20	11458364	11458449	Gmdrm	hypo	CHG	-0.32
Gm20	11508605	11508965	Gmdrm	hypo	CHG	-0.2761
Gm20	11509244	11509294	Gmdrm	hypo	CHG	-0.4083
Gm20	11514138	11514534	Gmdrm	hypo	CHG	-0.3183
Gm20	11514650	11514669	Gmdrm	hypo	CHG	-0.696
Gm20	11514812	11514945	Gmdrm	hypo	CHG	-0.3274
Gm20	11521967	11522293	Gmdrm	hypo	CHG	-0.35
Gm20	11609137	11609308	Gmdrm	hypo	CHG	-0.515
Gm20	11628388	11628461	Gmdrm	hypo	CHG	-0.857
Gm20	11669540	11669688	Gmdrm	hypo	CHG	-0.4173
Gm20	11674228	11674364	Gmdrm	hypo	CHG	-0.175
Gm20	11763756	11763968	Gmdrm	hypo	CHG	-0.3727
Gm20	11772343	11772445	Gmdrm	hypo	CHG	-0.5867
Gm20	11784047	11784087	Gmdrm	hypo	CHG	-0.5283
Gm20	11784258	11784851	Gmdrm	hypo	CHG	-0.2304
Gm20	11785871	11785971	Gmdrm	hypo	CHG	-0.06
Gm20	11800521	11801517	Gmdrm	hypo	CHG	-0.3431
Gm20	11809303	11809693	Gmdrm	hypo	CHG	-0.218
Gm20	11813174	11813281	Gmdrm	hypo	CHG	-0.0883
Gm20	11842972	11843057	Gmdrm	hypo	CHG	-0.602
Gm20	11849803	11850775	Gmdrm	hypo	CHG	-0.52

Gm20	11866307	11866390	Gmdrm	hypo	CHG	-0.626
Gm20	11866552	11866729	Gmdrm	hypo	CHG	-0.457
Gm20	11913934	11914146	Gmdrm	hypo	CHG	-0.0317
Gm20	11914468	11914985	Gmdrm	hypo	CHG	-0.0281
Gm20	11917538	11917618	Gmdrm	hypo	CHG	-0.9514
Gm20	11917796	11917844	Gmdrm	hypo	CHG	-0.3463
Gm20	11930337	11930479	Gmdrm	hypo	CHG	-0.2214
Gm20	11975975	11976289	Gmdrm	hypo	CHG	-0.5864
Gm20	11976440	11976727	Gmdrm	hypo	CHG	-0.8507
Gm20	11991343	11991506	Gmdrm	hypo	CHG	-0.308
Gm20	11993988	11994009	Gmdrm	hypo	CHG	-0.7628
Gm20	11998037	11998163	Gmdrm	hypo	CHG	-0.3312
Gm20	12011319	12011401	Gmdrm	hypo	CHG	-0.4687
Gm20	12022537	12022739	Gmdrm	hypo	CHG	-0.2818
Gm20	12275948	12276217	Gmdrm	hypo	CHG	-0.2982
Gm20	12276412	12276438	Gmdrm	hypo	CHG	-0.46
Gm20	12277240	12277346	Gmdrm	hypo	CHG	-0.04
Gm20	12291222	12291274	Gmdrm	hypo	CHG	-0.062
Gm20	12296160	12296333	Gmdrm	hypo	CHG	-0.2143
Gm20	12469725	12469856	Gmdrm	hypo	CHG	-0.4057
Gm20	12494896	12495052	Gmdrm	hypo	CHG	-0.1134
Gm20	12575520	12575646	Gmdrm	hypo	CHG	-0.5467
Gm20	12576119	12576181	Gmdrm	hypo	CHG	-0.5834
Gm20	12577566	12577783	Gmdrm	hypo	CHG	-0.5323
Gm20	12648893	12649245	Gmdrm	hypo	CHG	-0.1323
Gm20	12795396	12795493	Gmdrm	hypo	CHG	-0.062
Gm20	12800077	12800568	Gmdrm	hypo	CHG	-0.2195
Gm20	12817322	12817343	Gmdrm	hypo	CHG	-0.1267
Gm20	12817993	12818269	Gmdrm	hypo	CHG	-0.0562
Gm20	12837276	12837552	Gmdrm	hypo	CHG	-0.0358
Gm20	12862531	12862627	Gmdrm	hypo	CHG	-0.0863
Gm20	12901977	12902106	Gmdrm	hypo	CHG	-0.2138
Gm20	12904819	12904956	Gmdrm	hypo	CHG	-0.68
Gm20	12919188	12919228	Gmdrm	hypo	CHG	-0.5386
Gm20	12927680	12927832	Gmdrm	hypo	CHG	-0.6933
Gm20	12927987	12928668	Gmdrm	hypo	CHG	-0.3479
Gm20	12930052	12930189	Gmdrm	hypo	CHG	-0.3129
Gm20	13188917	13189645	Gmdrm	hypo	CHG	-0.0586
Gm20	13214206	13214477	Gmdrm	hypo	CHG	-0.1219
Gm20	13226066	13226237	Gmdrm	hypo	CHG	-0.1654
Gm20	13226346	13226427	Gmdrm	hypo	CHG	-0.2738
Gm20	13234255	13234380	Gmdrm	hypo	CHG	-0.502
Gm20	13236631	13236993	Gmdrm	hypo	CHG	-0.2756
Gm20	13317716	13318119	Gmdrm	hypo	CHG	-0.5744
Gm20	13318268	13318385	Gmdrm	hypo	CHG	-0.3942
Gm20	13319286	13319654	Gmdrm	hypo	CHG	-0.106

Gm20	13319834	13319923	Gmdrm	hypo	CHG	-0.095
Gm20	13323378	13323904	Gmdrm	hypo	CHG	-0.0955
Gm20	13400043	13400334	Gmdrm	hypo	CHG	-0.147
Gm20	13514596	13514761	Gmdrm	hypo	CHG	-0.5867
Gm20	13517733	13517757	Gmdrm	hypo	CHG	-0.1283
Gm20	13519968	13520056	Gmdrm	hypo	CHG	-0.59
Gm20	13703866	13704054	Gmdrm	hypo	CHG	-0.12
Gm20	13704534	13704913	Gmdrm	hypo	CHG	-0.5556
Gm20	13720822	13720885	Gmdrm	hypo	CHG	-0.1978
Gm20	13755728	13756127	Gmdrm	hypo	CHG	-0.6685
Gm20	13756319	13756613	Gmdrm	hypo	CHG	-0.7195
Gm20	13759090	13759797	Gmdrm	hypo	CHG	-0.1261
Gm20	14161343	14161373	Gmdrm	hypo	CHG	-0.1317
Gm20	14218433	14218562	Gmdrm	hypo	CHG	-0.5434
Gm20	14218708	14218816	Gmdrm	hypo	CHG	-0.734
Gm20	14346482	14347481	Gmdrm	hypo	CHG	-0.2834
Gm20	14347523	14347923	Gmdrm	hypo	CHG	-0.1882
Gm20	14350573	14351511	Gmdrm	hypo	CHG	-0.167
Gm20	14359360	14359590	Gmdrm	hypo	CHG	-0.0392
Gm20	14359703	14359879	Gmdrm	hypo	CHG	-0.436
Gm20	14360016	14360270	Gmdrm	hypo	CHG	-0.417
Gm20	14360405	14361133	Gmdrm	hypo	CHG	-0.5511
Gm20	14365389	14365577	Gmdrm	hypo	CHG	-0.7442
Gm20	14378764	14379011	Gmdrm	hypo	CHG	-0.5052
Gm20	14379177	14379281	Gmdrm	hypo	CHG	-0.3946
Gm20	14382533	14382751	Gmdrm	hypo	CHG	-0.0767
Gm20	14386545	14386628	Gmdrm	hypo	CHG	-0.3888
Gm20	14387007	14387471	Gmdrm	hypo	CHG	-0.2973
Gm20	14536781	14536876	Gmdrm	hypo	CHG	-0.6736
Gm20	14537327	14537386	Gmdrm	hypo	CHG	-0.8488
Gm20	14538113	14538259	Gmdrm	hypo	CHG	-0.5737
Gm20	14538449	14538597	Gmdrm	hypo	CHG	-0.4886
Gm20	14539811	14540069	Gmdrm	hypo	CHG	-0.3272
Gm20	14634668	14634858	Gmdrm	hypo	CHG	-0.515
Gm20	14637226	14637284	Gmdrm	hypo	CHG	-0.706
Gm20	14695988	14696176	Gmdrm	hypo	CHG	-0.2482
Gm20	14756617	14756635	Gmdrm	hypo	CHG	-0.142
Gm20	14857017	14857207	Gmdrm	hypo	CHG	-0.33
Gm20	15257880	15258259	Gmdrm	hypo	CHG	-0.1624
Gm20	15260650	15261512	Gmdrm	hypo	CHG	-0.0507
Gm20	15262829	15263321	Gmdrm	hypo	CHG	-0.0634
Gm20	15268350	15268787	Gmdrm	hypo	CHG	-0.1408
Gm20	15269289	15269910	Gmdrm	hypo	CHG	-0.08
Gm20	15276091	15276454	Gmdrm	hypo	CHG	-0.1241
Gm20	15279962	15280634	Gmdrm	hypo	CHG	-0.1422
Gm20	15280757	15281307	Gmdrm	hypo	CHG	-0.1936

Gm20	15281425	15281704	Gmdrm	hypo	CHG	-0.2072
Gm20	15282390	15282589	Gmdrm	hypo	CHG	-0.233
Gm20	15283992	15284461	Gmdrm	hypo	CHG	-0.0888
Gm20	15298903	15299846	Gmdrm	hypo	CHG	-0.1202
Gm20	15665298	15665355	Gmdrm	hypo	CHG	-0.196
Gm20	15714291	15714384	Gmdrm	hypo	CHG	-0.502
Gm20	15723800	15724695	Gmdrm	hypo	CHG	-0.2256
Gm20	15735731	15735903	Gmdrm	hypo	CHG	-0.042
Gm20	15751951	15752083	Gmdrm	hypo	CHG	-0.5671
Gm20	16233027	16233545	Gmdrm	hypo	CHG	-0.122
Gm20	16637779	16637914	Gmdrm	hypo	CHG	-0.1278
Gm20	16669377	16669413	Gmdrm	hypo	CHG	-0.0671
Gm20	16807516	16807746	Gmdrm	hypo	CHG	-0.054
Gm20	16811633	16812613	Gmdrm	hypo	CHG	-0.1869
Gm20	16812674	16813141	Gmdrm	hypo	CHG	-0.4346
Gm20	16813554	16814442	Gmdrm	hypo	CHG	-0.1798
Gm20	16825347	16825470	Gmdrm	hypo	CHG	-0.1757
Gm20	17010217	17010374	Gmdrm	hypo	CHG	-0.04
Gm20	17011590	17011680	Gmdrm	hypo	CHG	-0.2538
Gm20	17075245	17075443	Gmdrm	hypo	CHG	-0.09
Gm20	17076260	17076361	Gmdrm	hypo	CHG	-0.5612
Gm20	17076576	17076630	Gmdrm	hypo	CHG	-0.5675
Gm20	17376436	17376494	Gmdrm	hypo	CHG	-0.3217
Gm20	17376603	17376634	Gmdrm	hypo	CHG	-0.5363
Gm20	17376816	17377054	Gmdrm	hypo	CHG	-0.6192
Gm20	17534733	17534812	Gmdrm	hypo	CHG	-0.664
Gm20	17548906	17549072	Gmdrm	hypo	CHG	-0.8089
Gm20	17599348	17599559	Gmdrm	hypo	CHG	-0.2193
Gm20	17720373	17720431	Gmdrm	hypo	CHG	-0.192
Gm20	17728249	17728490	Gmdrm	hypo	CHG	-0.121
Gm20	17728598	17728717	Gmdrm	hypo	CHG	-0.07
Gm20	17728818	17729682	Gmdrm	hypo	CHG	-0.1261
Gm20	17729820	17730129	Gmdrm	hypo	CHG	-0.1258
Gm20	17862353	17862506	Gmdrm	hypo	CHG	-0.0933
Gm20	17863131	17863575	Gmdrm	hypo	CHG	-0.1862
Gm20	17869322	17870062	Gmdrm	hypo	CHG	-0.4469
Gm20	17871358	17871698	Gmdrm	hypo	CHG	-0.1187
Gm20	18382443	18382597	Gmdrm	hypo	CHG	-0.046
Gm20	18391107	18391325	Gmdrm	hypo	CHG	-0.0415
Gm20	18557785	18558144	Gmdrm	hypo	CHG	-0.2375
Gm20	18638277	18638613	Gmdrm	hypo	CHG	-0.4922
Gm20	18640643	18640759	Gmdrm	hypo	CHG	-0.1271
Gm20	18722520	18722761	Gmdrm	hypo	CHG	-0.0833
Gm20	19014492	19014949	Gmdrm	hypo	CHG	-0.3209
Gm20	19020733	19020870	Gmdrm	hypo	CHG	-0.068
Gm20	19044724	19044879	Gmdrm	hypo	CHG	-0.026

Gm20	19097824	19097906	Gmdrm	hypo	CHG	-0.73
Gm20	19098322	19098470	Gmdrm	hypo	CHG	-0.7286
Gm20	19123115	19123212	Gmdrm	hypo	CHG	-0.3628
Gm20	19131570	19131708	Gmdrm	hypo	CHG	-0.56
Gm20	19134171	19134576	Gmdrm	hypo	CHG	-0.169
Gm20	19139259	19139285	Gmdrm	hypo	CHG	-0.826
Gm20	19141608	19141713	Gmdrm	hypo	CHG	-0.4828
Gm20	19229064	19229221	Gmdrm	hypo	CHG	-0.4517
Gm20	19235395	19235599	Gmdrm	hypo	CHG	-0.4743
Gm20	19273323	19273584	Gmdrm	hypo	CHG	-0.2642
Gm20	19276877	19277038	Gmdrm	hypo	CHG	-0.238
Gm20	19277280	19277384	Gmdrm	hypo	CHG	-0.066
Gm20	19333690	19333779	Gmdrm	hypo	CHG	-0.205
Gm20	19346967	19347276	Gmdrm	hypo	CHG	-0.3934
Gm20	19370194	19370512	Gmdrm	hypo	CHG	-0.3439
Gm20	19370647	19370871	Gmdrm	hypo	CHG	-0.0617
Gm20	19371405	19371767	Gmdrm	hypo	CHG	-0.0518
Gm20	19416886	19416974	Gmdrm	hypo	CHG	-0.5987
Gm20	19443589	19443811	Gmdrm	hypo	CHG	-0.2788
Gm20	19477476	19478218	Gmdrm	hypo	CHG	-0.2971
Gm20	19488480	19489471	Gmdrm	hypo	CHG	-0.2073
Gm20	19490014	19490987	Gmdrm	hypo	CHG	-0.2204
Gm20	19864850	19865006	Gmdrm	hypo	CHG	-0.9241
Gm20	19865826	19866042	Gmdrm	hypo	CHG	-0.8695
Gm20	19868869	19869049	Gmdrm	hypo	CHG	-0.6086
Gm20	19967165	19967262	Gmdrm	hypo	CHG	-0.06
Gm20	20076937	20077067	Gmdrm	hypo	CHG	-0.4142
Gm20	20088417	20088496	Gmdrm	hypo	CHG	-0.4167
Gm20	20411878	20411971	Gmdrm	hypo	CHG	-0.062
Gm20	20428495	20428530	Gmdrm	hypo	CHG	-0.7284
Gm20	20428631	20428717	Gmdrm	hypo	CHG	-0.3875
Gm20	20555741	20555986	Gmdrm	hypo	CHG	-0.045
Gm20	21174386	21174557	Gmdrm	hypo	CHG	-0.6628
Gm20	21651207	21651532	Gmdrm	hypo	CHG	-0.3945
Gm20	21669593	21670078	Gmdrm	hypo	CHG	-0.239
Gm20	22284375	22284660	Gmdrm	hypo	CHG	-0.3688
Gm20	22287577	22287992	Gmdrm	hypo	CHG	-0.2552
Gm20	22651214	22651397	Gmdrm	hypo	CHG	-0.0649
Gm20	22704123	22704391	Gmdrm	hypo	CHG	-0.505
Gm20	22704526	22704631	Gmdrm	hypo	CHG	-0.556
Gm20	22774107	22774277	Gmdrm	hypo	CHG	-0.1456
Gm20	22898148	22898269	Gmdrm	hypo	CHG	-0.4333
Gm20	22928840	22928914	Gmdrm	hypo	CHG	-0.5
Gm20	22929118	22929238	Gmdrm	hypo	CHG	-0.535
Gm20	22987994	22988121	Gmdrm	hypo	CHG	-0.633
Gm20	22988637	22988773	Gmdrm	hypo	CHG	-0.5066

Gm20	23065943	23065998	Gmdrm	hypo	CHG	-0.25
Gm20	23066401	23066700	Gmdrm	hypo	CHG	-0.3579
Gm20	23079614	23079910	Gmdrm	hypo	CHG	-0.206
Gm20	23123161	23123336	Gmdrm	hypo	CHG	-0.5366
Gm20	23212267	23212790	Gmdrm	hypo	CHG	-0.36
Gm20	23213846	23214221	Gmdrm	hypo	CHG	-0.6581
Gm20	23276782	23276929	Gmdrm	hypo	CHG	-0.195
Gm20	23277072	23277201	Gmdrm	hypo	CHG	-0.2133
Gm20	23309830	23310018	Gmdrm	hypo	CHG	-0.0729
Gm20	23310449	23310479	Gmdrm	hypo	CHG	-0.3034
Gm20	23334537	23334868	Gmdrm	hypo	CHG	-0.6994
Gm20	23428183	23428590	Gmdrm	hypo	CHG	-0.2017
Gm20	23432826	23432965	Gmdrm	hypo	CHG	-0.038
Gm20	23435730	23436100	Gmdrm	hypo	CHG	-0.6695
Gm20	23436273	23436855	Gmdrm	hypo	CHG	-0.7545
Gm20	23438166	23438246	Gmdrm	hypo	CHG	-0.465
Gm20	23449311	23449717	Gmdrm	hypo	CHG	-0.31
Gm20	23515444	23515576	Gmdrm	hypo	CHG	-0.4575
Gm20	23571895	23571944	Gmdrm	hypo	CHG	-0.1317
Gm20	23572270	23572375	Gmdrm	hypo	CHG	-0.7334
Gm20	23649414	23649955	Gmdrm	hypo	CHG	-0.1803
Gm20	23653419	23653615	Gmdrm	hypo	CHG	-0.78
Gm20	23653831	23653975	Gmdrm	hypo	CHG	-0.468
Gm20	23654334	23654517	Gmdrm	hypo	CHG	-0.7343
Gm20	23655046	23655121	Gmdrm	hypo	CHG	-0.5533
Gm20	23790385	23790466	Gmdrm	hypo	CHG	-0.4574
Gm20	23790687	23790790	Gmdrm	hypo	CHG	-0.7317
Gm20	23790912	23791256	Gmdrm	hypo	CHG	-0.7045
Gm20	23798527	23798634	Gmdrm	hypo	CHG	-0.8037
Gm20	23834192	23834745	Gmdrm	hypo	CHG	-0.7173
Gm20	23834861	23835037	Gmdrm	hypo	CHG	-0.8544
Gm20	23847329	23847755	Gmdrm	hypo	CHG	-0.2909
Gm20	23906928	23907928	Gmdrm	hypo	CHG	-0.6172
Gm20	23907930	23908109	Gmdrm	hypo	CHG	-0.552
Gm20	23908216	23908336	Gmdrm	hypo	CHG	-0.3484
Gm20	24015647	24015702	Gmdrm	hypo	CHG	-0.1884
Gm20	24099246	24099611	Gmdrm	hypo	CHG	-0.1545
Gm20	24101570	24101588	Gmdrm	hypo	CHG	-0.2134
Gm20	24113497	24113831	Gmdrm	hypo	CHG	-0.3523
Gm20	24115230	24115327	Gmdrm	hypo	CHG	-0.6299
Gm20	24115469	24115759	Gmdrm	hypo	CHG	-0.4556
Gm20	24115883	24115905	Gmdrm	hypo	CHG	-0.42
Gm20	24116169	24116317	Gmdrm	hypo	CHG	-0.178
Gm20	24116460	24116593	Gmdrm	hypo	CHG	-0.4666
Gm20	24116710	24116973	Gmdrm	hypo	CHG	-0.4667
Gm20	24117421	24117608	Gmdrm	hypo	CHG	-0.0333

Gm20	24134822	24135025	Gmdrm	hypo	CHG	-0.2015
Gm20	24135305	24135477	Gmdrm	hypo	CHG	-0.06
Gm20	24184636	24184859	Gmdrm	hypo	CHG	-0.5281
Gm20	24188367	24188601	Gmdrm	hypo	CHG	-0.0843
Gm20	24190344	24190863	Gmdrm	hypo	CHG	-0.2506
Gm20	24317455	24317574	Gmdrm	hypo	CHG	-0.57
Gm20	24321946	24322063	Gmdrm	hypo	CHG	-0.4225
Gm20	24322279	24322507	Gmdrm	hypo	CHG	-0.525
Gm20	24400808	24400953	Gmdrm	hypo	CHG	-0.404
Gm20	24401219	24401388	Gmdrm	hypo	CHG	-0.5612
Gm20	24401508	24401795	Gmdrm	hypo	CHG	-0.3875
Gm20	24424629	24424841	Gmdrm	hypo	CHG	-0.4925
Gm20	24460174	24460471	Gmdrm	hypo	CHG	-0.7506
Gm20	24467937	24468030	Gmdrm	hypo	CHG	-0.226
Gm20	24541922	24542060	Gmdrm	hypo	CHG	-0.3486
Gm20	24621157	24621334	Gmdrm	hypo	CHG	-0.5657
Gm20	24643824	24644094	Gmdrm	hypo	CHG	-0.434
Gm20	24653279	24653443	Gmdrm	hypo	CHG	-0.2436
Gm20	24666561	24666711	Gmdrm	hypo	CHG	-0.0387
Gm20	24667033	24667115	Gmdrm	hypo	CHG	-0.325
Gm20	24726639	24726775	Gmdrm	hypo	CHG	-0.6378
Gm20	24733651	24733836	Gmdrm	hypo	CHG	-0.054
Gm20	24758376	24758519	Gmdrm	hypo	CHG	-0.6825
Gm20	24793829	24794755	Gmdrm	hypo	CHG	-0.2177
Gm20	24809919	24810259	Gmdrm	hypo	CHG	-0.6462
Gm20	24810787	24810871	Gmdrm	hypo	CHG	-0.696
Gm20	24829860	24830077	Gmdrm	hypo	CHG	-0.13
Gm20	24883807	24884092	Gmdrm	hypo	CHG	-0.372
Gm20	24894534	24894711	Gmdrm	hypo	CHG	-0.5675
Gm20	24901981	24902022	Gmdrm	hypo	CHG	-0.136
Gm20	24997000	24997081	Gmdrm	hypo	CHG	-0.352
Gm20	25003725	25003867	Gmdrm	hypo	CHG	-0.2317
Gm20	25017496	25017885	Gmdrm	hypo	CHG	-0.2686
Gm20	25024272	25024378	Gmdrm	hypo	CHG	-0.2733
Gm20	25024482	25024596	Gmdrm	hypo	CHG	-0.4631
Gm20	25028452	25028713	Gmdrm	hypo	CHG	-0.034
Gm20	25032089	25032293	Gmdrm	hypo	CHG	-0.0417
Gm20	25066508	25066536	Gmdrm	hypo	CHG	-0.645
Gm20	25066812	25066899	Gmdrm	hypo	CHG	-0.3183
Gm20	25067297	25067420	Gmdrm	hypo	CHG	-0.37
Gm20	25085802	25085902	Gmdrm	hypo	CHG	-0.056
Gm20	25088218	25088923	Gmdrm	hypo	CHG	-0.2346
Gm20	25089090	25090051	Gmdrm	hypo	CHG	-0.3915
Gm20	25090098	25090477	Gmdrm	hypo	CHG	-0.5494
Gm20	25090621	25091002	Gmdrm	hypo	CHG	-0.2657
Gm20	25093523	25093688	Gmdrm	hypo	CHG	-0.3438

Gm20	25215919	25216038	Gmdrm	hypo	CHG	-0.087
Gm20	25217800	25217868	Gmdrm	hypo	CHG	-0.106
Gm20	25219523	25219808	Gmdrm	hypo	CHG	-0.2722
Gm20	25251635	25251878	Gmdrm	hypo	CHG	-0.0329
Gm20	25354011	25354064	Gmdrm	hypo	CHG	-0.7233
Gm20	25357299	25357333	Gmdrm	hypo	CHG	-0.4633
Gm20	25358255	25358322	Gmdrm	hypo	CHG	-0.15
Gm20	25358607	25358745	Gmdrm	hypo	CHG	-0.5113
Gm20	25425353	25425845	Gmdrm	hypo	CHG	-0.4471
Gm20	25445544	25445793	Gmdrm	hypo	CHG	-0.2505
Gm20	25487632	25487791	Gmdrm	hypo	CHG	-0.105
Gm20	25526475	25526678	Gmdrm	hypo	CHG	-0.4638
Gm20	25527184	25527450	Gmdrm	hypo	CHG	-0.5959
Gm20	25574969	25575080	Gmdrm	hypo	CHG	-0.6651
Gm20	25576487	25576609	Gmdrm	hypo	CHG	-0.1743
Gm20	25602108	25602884	Gmdrm	hypo	CHG	-0.3524
Gm20	25603359	25604144	Gmdrm	hypo	CHG	-0.3758
Gm20	25620812	25621285	Gmdrm	hypo	CHG	-0.2377
Gm20	25626098	25627082	Gmdrm	hypo	CHG	-0.1518
Gm20	25646147	25646291	Gmdrm	hypo	CHG	-0.4055
Gm20	25649898	25650080	Gmdrm	hypo	CHG	-0.256
Gm20	25651838	25652060	Gmdrm	hypo	CHG	-0.7813
Gm20	25652177	25652251	Gmdrm	hypo	CHG	-0.095
Gm20	25682601	25683415	Gmdrm	hypo	CHG	-0.2371
Gm20	25789887	25790037	Gmdrm	hypo	CHG	-0.68
Gm20	25797493	25797541	Gmdrm	hypo	CHG	-0.0784
Gm20	25836396	25836870	Gmdrm	hypo	CHG	-0.32
Gm20	25836977	25837177	Gmdrm	hypo	CHG	-0.25
Gm20	25837278	25838276	Gmdrm	hypo	CHG	-0.3171
Gm20	25838286	25839276	Gmdrm	hypo	CHG	-0.1538
Gm20	25861321	25861671	Gmdrm	hypo	CHG	-0.0389
Gm20	25889346	25889534	Gmdrm	hypo	CHG	-0.3311
Gm20	25890148	25890359	Gmdrm	hypo	CHG	-0.561
Gm20	26142035	26142162	Gmdrm	hypo	CHG	-0.61
Gm20	26143128	26143254	Gmdrm	hypo	CHG	-0.61
Gm20	26143789	26143864	Gmdrm	hypo	CHG	-0.395
Gm20	26244858	26245039	Gmdrm	hypo	CHG	-0.6325
Gm20	26245303	26245433	Gmdrm	hypo	CHG	-0.085
Gm20	26245540	26245811	Gmdrm	hypo	CHG	-0.6795
Gm20	26256388	26256496	Gmdrm	hypo	CHG	-0.554
Gm20	26290323	26290429	Gmdrm	hypo	CHG	-0.2791
Gm20	26290541	26291465	Gmdrm	hypo	CHG	-0.3152
Gm20	26361130	26361201	Gmdrm	hypo	CHG	-0.554
Gm20	26481028	26481116	Gmdrm	hypo	CHG	-0.184
Gm20	26754604	26754770	Gmdrm	hypo	CHG	-0.056
Gm20	26764326	26764452	Gmdrm	hypo	CHG	-0.704

Gm20	26866140	26866246	Gmdrm	hypo	CHG	-0.5633
Gm20	27075717	27075779	Gmdrm	hypo	CHG	-0.324
Gm20	27282001	27282121	Gmdrm	hypo	CHG	-0.3212
Gm20	27282260	27282575	Gmdrm	hypo	CHG	-0.1854
Gm20	27321498	27321709	Gmdrm	hypo	CHG	-0.3067
Gm20	27327364	27327486	Gmdrm	hypo	CHG	-0.72
Gm20	27327587	27327710	Gmdrm	hypo	CHG	-0.851
Gm20	27329361	27329502	Gmdrm	hypo	CHG	-0.3433
Gm20	27334319	27334755	Gmdrm	hypo	CHG	-0.711
Gm20	27342572	27343545	Gmdrm	hypo	CHG	-0.1408
Gm20	27343742	27344719	Gmdrm	hypo	CHG	-0.2835
Gm20	27344759	27344811	Gmdrm	hypo	CHG	-0.49
Gm20	27344967	27345612	Gmdrm	hypo	CHG	-0.2573
Gm20	27350539	27350722	Gmdrm	hypo	CHG	-0.0829
Gm20	27353038	27353116	Gmdrm	hypo	CHG	-0.262
Gm20	27353218	27353666	Gmdrm	hypo	CHG	-0.2125
Gm20	27353818	27354321	Gmdrm	hypo	CHG	-0.1542
Gm20	27356300	27356661	Gmdrm	hypo	CHG	-0.3346
Gm20	27364011	27364125	Gmdrm	hypo	CHG	-0.1557
Gm20	27378247	27379235	Gmdrm	hypo	CHG	-0.1771
Gm20	27389259	27389484	Gmdrm	hypo	CHG	-0.0966
Gm20	27390243	27391093	Gmdrm	hypo	CHG	-0.1777
Gm20	27411849	27412003	Gmdrm	hypo	CHG	-0.6116
Gm20	27414083	27414336	Gmdrm	hypo	CHG	-0.1569
Gm20	27418413	27418451	Gmdrm	hypo	CHG	-0.4617
Gm20	27420722	27420968	Gmdrm	hypo	CHG	-0.2145
Gm20	27556169	27556454	Gmdrm	hypo	CHG	-0.5092
Gm20	27556608	27556660	Gmdrm	hypo	CHG	-0.7143
Gm20	27556773	27556840	Gmdrm	hypo	CHG	-0.6884
Gm20	27557773	27558196	Gmdrm	hypo	CHG	-0.2323
Gm20	27603863	27604045	Gmdrm	hypo	CHG	-0.0729
Gm20	27609392	27609567	Gmdrm	hypo	CHG	-0.0333
Gm20	27613008	27613240	Gmdrm	hypo	CHG	-0.357
Gm20	27617823	27617901	Gmdrm	hypo	CHG	-0.354
Gm20	27618178	27618516	Gmdrm	hypo	CHG	-0.483
Gm20	27628531	27628885	Gmdrm	hypo	CHG	-0.6094
Gm20	27629461	27629558	Gmdrm	hypo	CHG	-0.0671
Gm20	27632352	27632476	Gmdrm	hypo	CHG	-0.1943
Gm20	27635887	27636173	Gmdrm	hypo	CHG	-0.2173
Gm20	27636345	27636451	Gmdrm	hypo	CHG	-0.3386
Gm20	27639724	27639849	Gmdrm	hypo	CHG	-0.4164
Gm20	27642620	27642771	Gmdrm	hypo	CHG	-0.413
Gm20	27642942	27642979	Gmdrm	hypo	CHG	-0.725
Gm20	27644376	27644508	Gmdrm	hypo	CHG	-0.7828
Gm20	27676885	27677391	Gmdrm	hypo	CHG	-0.365
Gm20	27679959	27679983	Gmdrm	hypo	CHG	-0.426

Gm20	27680832	27681113	Gmdrm	hypo	CHG	-0.492
Gm20	27695527	27695570	Gmdrm	hypo	CHG	-0.378
Gm20	27726684	27726740	Gmdrm	hypo	CHG	-0.536
Gm20	27731713	27731870	Gmdrm	hypo	CHG	-0.2543
Gm20	27752701	27752844	Gmdrm	hypo	CHG	-0.2472
Gm20	27753079	27753229	Gmdrm	hypo	CHG	-0.4563
Gm20	27765102	27765339	Gmdrm	hypo	CHG	-0.2977
Gm20	27770582	27770717	Gmdrm	hypo	CHG	-0.3022
Gm20	27783116	27783207	Gmdrm	hypo	CHG	-0.1188
Gm20	27783672	27783776	Gmdrm	hypo	CHG	-0.1017
Gm20	27794022	27794372	Gmdrm	hypo	CHG	-0.6374
Gm20	27826924	27827184	Gmdrm	hypo	CHG	-0.5515
Gm20	27827477	27827641	Gmdrm	hypo	CHG	-0.392
Gm20	27889635	27889695	Gmdrm	hypo	CHG	-0.6233
Gm20	27891651	27891737	Gmdrm	hypo	CHG	-0.555
Gm20	27930369	27930462	Gmdrm	hypo	CHG	-0.5986
Gm20	27930636	27930702	Gmdrm	hypo	CHG	-0.044
Gm20	27943336	27943513	Gmdrm	hypo	CHG	-0.6422
Gm20	27954971	27955118	Gmdrm	hypo	CHG	-0.2943
Gm20	27957085	27957131	Gmdrm	hypo	CHG	-0.905
Gm20	27959700	27959757	Gmdrm	hypo	CHG	-0.052
Gm20	27959876	27960469	Gmdrm	hypo	CHG	-0.3752
Gm20	27982136	27982181	Gmdrm	hypo	CHG	-0.7155
Gm20	28043333	28043522	Gmdrm	hypo	CHG	-0.213
Gm20	28062489	28062605	Gmdrm	hypo	CHG	-0.3983
Gm20	28113936	28114567	Gmdrm	hypo	CHG	-0.0878
Gm20	28115618	28116047	Gmdrm	hypo	CHG	-0.2093
Gm20	28116913	28117042	Gmdrm	hypo	CHG	-0.1639
Gm20	28271947	28272075	Gmdrm	hypo	CHG	-0.1416
Gm20	28397204	28397413	Gmdrm	hypo	CHG	-0.1307
Gm20	28397577	28397963	Gmdrm	hypo	CHG	-0.4709
Gm20	28398074	28398191	Gmdrm	hypo	CHG	-0.4967
Gm20	28400709	28400980	Gmdrm	hypo	CHG	-0.2211
Gm20	28432325	28432356	Gmdrm	hypo	CHG	-0.2337
Gm20	28432721	28432764	Gmdrm	hypo	CHG	-0.638
Gm20	28480578	28480785	Gmdrm	hypo	CHG	-0.1235
Gm20	28512767	28513091	Gmdrm	hypo	CHG	-0.2541
Gm20	28514867	28514946	Gmdrm	hypo	CHG	-0.0929
Gm20	28818740	28818788	Gmdrm	hypo	CHG	-0.4483
Gm20	28819640	28819849	Gmdrm	hypo	CHG	-0.1033
Gm20	28820941	28821114	Gmdrm	hypo	CHG	-0.0414
Gm20	28827309	28827525	Gmdrm	hypo	CHG	-0.2956
Gm20	28829118	28829188	Gmdrm	hypo	CHG	-0.62
Gm20	28898160	28898221	Gmdrm	hypo	CHG	-0.563
Gm20	28944953	28945129	Gmdrm	hypo	CHG	-0.156
Gm20	28955983	28956088	Gmdrm	hypo	CHG	-0.735

Gm20	28956390	28956604	Gmdrm	hypo	CHG	-0.532
Gm20	29133278	29133501	Gmdrm	hypo	CHG	-0.756
Gm20	29220681	29220773	Gmdrm	hypo	CHG	-0.2117
Gm20	29348335	29348430	Gmdrm	hypo	CHG	-0.22
Gm20	29563799	29563989	Gmdrm	hypo	CHG	-0.03
Gm20	29569249	29569455	Gmdrm	hypo	CHG	-0.1439
Gm20	29569568	29569650	Gmdrm	hypo	CHG	-0.0717
Gm20	29577518	29577651	Gmdrm	hypo	CHG	-0.1684
Gm20	29686094	29686162	Gmdrm	hypo	CHG	-0.1389
Gm20	29700236	29700351	Gmdrm	hypo	CHG	-0.36
Gm20	29746098	29746326	Gmdrm	hypo	CHG	-0.0333
Gm20	29758550	29758795	Gmdrm	hypo	CHG	-0.2625
Gm20	29794816	29795106	Gmdrm	hypo	CHG	-0.1625
Gm20	29795815	29795972	Gmdrm	hypo	CHG	-0.37
Gm20	29829055	29829160	Gmdrm	hypo	CHG	-0.56
Gm20	29868787	29868965	Gmdrm	hypo	CHG	-0.2866
Gm20	29873443	29873613	Gmdrm	hypo	CHG	-0.7237
Gm20	29873720	29873851	Gmdrm	hypo	CHG	-0.6483
Gm20	29874093	29874207	Gmdrm	hypo	CHG	-0.36
Gm20	29877637	29878014	Gmdrm	hypo	CHG	-0.2921
Gm20	29880519	29880705	Gmdrm	hypo	CHG	-0.5283
Gm20	29931637	29931811	Gmdrm	hypo	CHG	-0.0971
Gm20	29991704	29991787	Gmdrm	hypo	CHG	-0.6417
Gm20	29991929	29992095	Gmdrm	hypo	CHG	-0.6837
Gm20	30086374	30086693	Gmdrm	hypo	CHG	-0.3136
Gm20	30157694	30157837	Gmdrm	hypo	CHG	-0.4787
Gm20	30158767	30158986	Gmdrm	hypo	CHG	-0.49
Gm20	30178007	30178368	Gmdrm	hypo	CHG	-0.1869
Gm20	30373484	30373627	Gmdrm	hypo	CHG	-0.3328
Gm20	30382108	30382240	Gmdrm	hypo	CHG	-0.7142
Gm20	30382370	30382479	Gmdrm	hypo	CHG	-0.6034
Gm20	30396836	30397182	Gmdrm	hypo	CHG	-0.3542
Gm20	30397502	30397557	Gmdrm	hypo	CHG	-0.044
Gm20	30489179	30489500	Gmdrm	hypo	CHG	-0.365
Gm20	30501997	30502102	Gmdrm	hypo	CHG	-0.1855
Gm20	30594374	30594660	Gmdrm	hypo	CHG	-0.3173
Gm20	30637662	30637774	Gmdrm	hypo	CHG	-0.03
Gm20	30656670	30656868	Gmdrm	hypo	CHG	-0.57
Gm20	30657186	30657328	Gmdrm	hypo	CHG	-0.48
Gm20	30662111	30662207	Gmdrm	hypo	CHG	-0.5528
Gm20	30664024	30664146	Gmdrm	hypo	CHG	-0.2437
Gm20	30754960	30755021	Gmdrm	hypo	CHG	-0.1743
Gm20	30765009	30765141	Gmdrm	hypo	CHG	-0.7374
Gm20	30770982	30771133	Gmdrm	hypo	CHG	-0.3233
Gm20	30797255	30797372	Gmdrm	hypo	CHG	-0.5043
Gm20	30801177	30801369	Gmdrm	hypo	CHG	-0.7928

Gm20	30801631	30801729	Gmdrm	hypo	CHG	-0.7867
Gm20	30815350	30815608	Gmdrm	hypo	CHG	-0.248
Gm20	30819842	30819989	Gmdrm	hypo	CHG	-0.4516
Gm20	30820178	30820378	Gmdrm	hypo	CHG	-0.35
Gm20	30846114	30846233	Gmdrm	hypo	CHG	-0.51
Gm20	30854556	30854591	Gmdrm	hypo	CHG	-0.3483
Gm20	30859313	30859733	Gmdrm	hypo	CHG	-0.5819
Gm20	30859869	30859938	Gmdrm	hypo	CHG	-0.4733
Gm20	30931468	30931721	Gmdrm	hypo	CHG	-0.22
Gm20	30933540	30933706	Gmdrm	hypo	CHG	-0.0525
Gm20	31083712	31083906	Gmdrm	hypo	CHG	-0.5244
Gm20	31084624	31084854	Gmdrm	hypo	CHG	-0.375
Gm20	31085475	31085681	Gmdrm	hypo	CHG	-0.29
Gm20	31085829	31086809	Gmdrm	hypo	CHG	-0.257
Gm20	31092974	31093241	Gmdrm	hypo	CHG	-0.3142
Gm20	31094057	31094235	Gmdrm	hypo	CHG	-0.5682
Gm20	31094493	31094696	Gmdrm	hypo	CHG	-0.3177
Gm20	31095120	31095302	Gmdrm	hypo	CHG	-0.861
Gm20	31095426	31095760	Gmdrm	hypo	CHG	-0.6557
Gm20	31100065	31100268	Gmdrm	hypo	CHG	-0.1737
Gm20	31106198	31106450	Gmdrm	hypo	CHG	-0.2707
Gm20	31108727	31108892	Gmdrm	hypo	CHG	-0.175
Gm20	31108996	31109249	Gmdrm	hypo	CHG	-0.6831
Gm20	31139899	31139938	Gmdrm	hypo	CHG	-0.6783
Gm20	31148596	31148694	Gmdrm	hypo	CHG	-0.4101
Gm20	31151990	31152130	Gmdrm	hypo	CHG	-0.1575
Gm20	31152282	31152430	Gmdrm	hypo	CHG	-0.5771
Gm20	31158551	31158835	Gmdrm	hypo	CHG	-0.4808
Gm20	31159155	31159236	Gmdrm	hypo	CHG	-0.1911
Gm20	31181250	31181303	Gmdrm	hypo	CHG	-0.075
Gm20	31182029	31182215	Gmdrm	hypo	CHG	-0.4663
Gm20	31184443	31184525	Gmdrm	hypo	CHG	-0.554
Gm20	31195630	31195747	Gmdrm	hypo	CHG	-0.445
Gm20	31233375	31233656	Gmdrm	hypo	CHG	-0.046
Gm20	31235219	31235554	Gmdrm	hypo	CHG	-0.0767
Gm20	31241480	31241651	Gmdrm	hypo	CHG	-0.126
Gm20	31279147	31279497	Gmdrm	hypo	CHG	-0.4942
Gm20	31279663	31279898	Gmdrm	hypo	CHG	-0.4175
Gm20	31292752	31293130	Gmdrm	hypo	CHG	-0.5916
Gm20	31295619	31295650	Gmdrm	hypo	CHG	-0.47
Gm20	31332486	31332598	Gmdrm	hypo	CHG	-0.378
Gm20	31394603	31394907	Gmdrm	hypo	CHG	-0.383
Gm20	31395067	31395157	Gmdrm	hypo	CHG	-0.558
Gm20	31395298	31395362	Gmdrm	hypo	CHG	-0.5872
Gm20	31396477	31396643	Gmdrm	hypo	CHG	-0.2863
Gm20	31398365	31398827	Gmdrm	hypo	CHG	-0.6189

Gm20	31399231	31399578	Gmdrm	hypo	CHG	-0.7836
Gm20	31425528	31425627	Gmdrm	hypo	CHG	-0.8
Gm20	31431939	31432315	Gmdrm	hypo	CHG	-0.0454
Gm20	31485882	31485906	Gmdrm	hypo	CHG	-0.232
Gm20	31488872	31489188	Gmdrm	hypo	CHG	-0.0754
Gm20	31588474	31588759	Gmdrm	hypo	CHG	-0.4569
Gm20	31611512	31611665	Gmdrm	hypo	CHG	-0.2954
Gm20	31614795	31614894	Gmdrm	hypo	CHG	-0.355
Gm20	31615099	31615141	Gmdrm	hypo	CHG	-0.4814
Gm20	31615558	31615679	Gmdrm	hypo	CHG	-0.3219
Gm20	31653305	31653690	Gmdrm	hypo	CHG	-0.4936
Gm20	31692008	31692196	Gmdrm	hypo	CHG	-0.38
Gm20	31692553	31692658	Gmdrm	hypo	CHG	-0.3933
Gm20	31693318	31693611	Gmdrm	hypo	CHG	-0.228
Gm20	31721604	31721663	Gmdrm	hypo	CHG	-0.4701
Gm20	31722606	31722961	Gmdrm	hypo	CHG	-0.5848
Gm20	31734683	31734867	Gmdrm	hypo	CHG	-0.1125
Gm20	31748233	31748571	Gmdrm	hypo	CHG	-0.2195
Gm20	31750860	31751100	Gmdrm	hypo	CHG	-0.2209
Gm20	31775972	31776201	Gmdrm	hypo	CHG	-0.341
Gm20	31786453	31786655	Gmdrm	hypo	CHG	-0.4113
Gm20	31802950	31803243	Gmdrm	hypo	CHG	-0.0567
Gm20	31805072	31805264	Gmdrm	hypo	CHG	-0.2066
Gm20	31932266	31932929	Gmdrm	hypo	CHG	-0.243
Gm20	31951158	31951259	Gmdrm	hypo	CHG	-0.882
Gm20	31967540	31967637	Gmdrm	hypo	CHG	-0.53
Gm20	31968607	31969606	Gmdrm	hypo	CHG	-0.1071
Gm20	31971338	31971533	Gmdrm	hypo	CHG	-0.1764
Gm20	31999559	31999796	Gmdrm	hypo	CHG	-0.4354
Gm20	32034095	32034256	Gmdrm	hypo	CHG	-0.09
Gm20	32039898	32040121	Gmdrm	hypo	CHG	-0.475
Gm20	32071748	32071825	Gmdrm	hypo	CHG	-0.0986
Gm20	32076879	32077004	Gmdrm	hypo	CHG	-0.5266
Gm20	32077241	32077312	Gmdrm	hypo	CHG	-0.818
Gm20	32125320	32125390	Gmdrm	hypo	CHG	-0.31
Gm20	32125810	32126053	Gmdrm	hypo	CHG	-0.1637
Gm20	32126450	32126496	Gmdrm	hypo	CHG	-0.3116
Gm20	32136833	32136957	Gmdrm	hypo	CHG	-0.7014
Gm20	32143131	32143655	Gmdrm	hypo	CHG	-0.0527
Gm20	32200048	32200197	Gmdrm	hypo	CHG	-0.0516
Gm20	32276807	32276854	Gmdrm	hypo	CHG	-0.2983
Gm20	32395476	32395707	Gmdrm	hypo	CHG	-0.484
Gm20	32447265	32447392	Gmdrm	hypo	CHG	-0.5989
Gm20	32447597	32447702	Gmdrm	hypo	CHG	-0.7022
Gm20	32480271	32480640	Gmdrm	hypo	CHG	-0.3814
Gm20	32488380	32488592	Gmdrm	hypo	CHG	-0.8506

Gm20	32488746	32488865	Gmdrm	hypo	CHG	-0.82
Gm20	32488995	32489137	Gmdrm	hypo	CHG	-0.7937
Gm20	32539327	32539453	Gmdrm	hypo	CHG	-0.4217
Gm20	32552422	32552489	Gmdrm	hypo	CHG	-0.4962
Gm20	32576156	32576276	Gmdrm	hypo	CHG	-0.19
Gm20	32583340	32583463	Gmdrm	hypo	CHG	-0.454
Gm20	32600156	32600819	Gmdrm	hypo	CHG	-0.1093
Gm20	32610130	32610250	Gmdrm	hypo	CHG	-0.4157
Gm20	32610515	32610770	Gmdrm	hypo	CHG	-0.51
Gm20	32611021	32611322	Gmdrm	hypo	CHG	-0.47
Gm20	32634522	32634623	Gmdrm	hypo	CHG	-0.425
Gm20	32634784	32634978	Gmdrm	hypo	CHG	-0.5047
Gm20	32635146	32635272	Gmdrm	hypo	CHG	-0.2486
Gm20	32635474	32635997	Gmdrm	hypo	CHG	-0.5816
Gm20	32641185	32641316	Gmdrm	hypo	CHG	-0.56
Gm20	32716164	32716468	Gmdrm	hypo	CHG	-0.2462
Gm20	32719151	32719629	Gmdrm	hypo	CHG	-0.4255
Gm20	32724160	32724288	Gmdrm	hypo	CHG	-0.7634
Gm20	32724696	32724798	Gmdrm	hypo	CHG	-0.1465
Gm20	32725392	32725494	Gmdrm	hypo	CHG	-0.3634
Gm20	32749995	32750060	Gmdrm	hypo	CHG	-0.3233
Gm20	32897757	32897849	Gmdrm	hypo	CHG	-0.1334
Gm20	32897968	32898339	Gmdrm	hypo	CHG	-0.7117
Gm20	32921353	32921473	Gmdrm	hypo	CHG	-0.1834
Gm20	32936458	32936715	Gmdrm	hypo	CHG	-0.5025
Gm20	32937409	32937619	Gmdrm	hypo	CHG	-0.63
Gm20	32937834	32938054	Gmdrm	hypo	CHG	-0.608
Gm20	32939052	32939259	Gmdrm	hypo	CHG	-0.0595
Gm20	32984759	32985048	Gmdrm	hypo	CHG	-0.352
Gm20	32985366	32985444	Gmdrm	hypo	CHG	-0.43
Gm20	33002227	33002860	Gmdrm	hypo	CHG	-0.4009
Gm20	33019612	33019686	Gmdrm	hypo	CHG	-0.39
Gm20	33060394	33060434	Gmdrm	hypo	CHG	-0.7067
Gm20	33070591	33070664	Gmdrm	hypo	CHG	-0.072
Gm20	33075815	33076742	Gmdrm	hypo	CHG	-0.107
Gm20	33078472	33078784	Gmdrm	hypo	CHG	-0.0355
Gm20	33088246	33088288	Gmdrm	hypo	CHG	-0.6383
Gm20	33096609	33096760	Gmdrm	hypo	CHG	-0.3875
Gm20	33105026	33105278	Gmdrm	hypo	CHG	-0.7744
Gm20	33107862	33107902	Gmdrm	hypo	CHG	-0.06
Gm20	33139601	33139964	Gmdrm	hypo	CHG	-0.574
Gm20	33144872	33145616	Gmdrm	hypo	CHG	-0.2676
Gm20	33169935	33170235	Gmdrm	hypo	CHG	-0.5377
Gm20	33218275	33218555	Gmdrm	hypo	CHG	-0.411
Gm20	33225126	33225394	Gmdrm	hypo	CHG	-0.8258
Gm20	33233587	33233705	Gmdrm	hypo	CHG	-0.1784

Gm20	33240265	33240570	Gmdrm	hypo	CHG	-0.342
Gm20	33276161	33276462	Gmdrm	hypo	CHG	-0.3472
Gm20	33278082	33278517	Gmdrm	hypo	CHG	-0.2861
Gm20	33281201	33281249	Gmdrm	hypo	CHG	-0.714
Gm20	33281388	33281481	Gmdrm	hypo	CHG	-0.6872
Gm20	33316959	33317049	Gmdrm	hypo	CHG	-0.2562
Gm20	33318021	33318274	Gmdrm	hypo	CHG	-0.2494
Gm20	33370801	33371131	Gmdrm	hypo	CHG	-0.0969
Gm20	33380961	33381715	Gmdrm	hypo	CHG	-0.0968
Gm20	33387080	33387217	Gmdrm	hypo	CHG	-0.3967
Gm20	33398329	33398448	Gmdrm	hypo	CHG	-0.6267
Gm20	33419627	33419726	Gmdrm	hypo	CHG	-0.6016
Gm20	33419850	33419967	Gmdrm	hypo	CHG	-0.3175
Gm20	33420479	33420644	Gmdrm	hypo	CHG	-0.2466
Gm20	33426297	33426341	Gmdrm	hypo	CHG	-0.6038
Gm20	33426467	33426778	Gmdrm	hypo	CHG	-0.299
Gm20	33427243	33427334	Gmdrm	hypo	CHG	-0.7857
Gm20	33437075	33437256	Gmdrm	hypo	CHG	-0.8012
Gm20	33437729	33437863	Gmdrm	hypo	CHG	-0.8281
Gm20	33438395	33438508	Gmdrm	hypo	CHG	-0.5466
Gm20	33438635	33438701	Gmdrm	hypo	CHG	-0.05
Gm20	33439909	33439986	Gmdrm	hypo	CHG	-0.288
Gm20	33472397	33472508	Gmdrm	hypo	CHG	-0.0936
Gm20	33477799	33477921	Gmdrm	hypo	CHG	-0.4089
Gm20	33496057	33496335	Gmdrm	hypo	CHG	-0.0831
Gm20	33498938	33499105	Gmdrm	hypo	CHG	-0.3467
Gm20	33499226	33499361	Gmdrm	hypo	CHG	-0.2755
Gm20	33521816	33522037	Gmdrm	hypo	CHG	-0.0389
Gm20	33531137	33531318	Gmdrm	hypo	CHG	-0.8837
Gm20	33531430	33531626	Gmdrm	hypo	CHG	-0.88
Gm20	33531937	33532092	Gmdrm	hypo	CHG	-0.9112
Gm20	33534268	33534880	Gmdrm	hypo	CHG	-0.2286
Gm20	33536529	33536626	Gmdrm	hypo	CHG	-0.542
Gm20	33543430	33543743	Gmdrm	hypo	CHG	-0.7133
Gm20	33562649	33562851	Gmdrm	hypo	CHG	-0.5384
Gm20	33567427	33567532	Gmdrm	hypo	CHG	-0.8185
Gm20	33576479	33576781	Gmdrm	hypo	CHG	-0.3717
Gm20	33585661	33585744	Gmdrm	hypo	CHG	-0.512
Gm20	33590215	33590585	Gmdrm	hypo	CHG	-0.0463
Gm20	33592543	33592693	Gmdrm	hypo	CHG	-0.2162
Gm20	33593735	33593851	Gmdrm	hypo	CHG	-0.5938
Gm20	33621254	33621424	Gmdrm	hypo	CHG	-0.6392
Gm20	33621547	33621888	Gmdrm	hypo	CHG	-0.1794
Gm20	33642603	33642861	Gmdrm	hypo	CHG	-0.3931
Gm20	33642989	33643127	Gmdrm	hypo	CHG	-0.5934
Gm20	33643435	33643553	Gmdrm	hypo	CHG	-0.726

Gm20	33655690	33655891	Gmdrm	hypo	CHG	-0.4325
Gm20	33656161	33656274	Gmdrm	hypo	CHG	-0.52
Gm20	33666679	33666869	Gmdrm	hypo	CHG	-0.8772
Gm20	33689117	33689205	Gmdrm	hypo	CHG	-0.58
Gm20	33692257	33692353	Gmdrm	hypo	CHG	-0.094
Gm20	33708944	33709369	Gmdrm	hypo	CHG	-0.0354
Gm20	33724943	33725120	Gmdrm	hypo	CHG	-0.4378
Gm20	33744187	33744384	Gmdrm	hypo	CHG	-0.369
Gm20	33744502	33744587	Gmdrm	hypo	CHG	-0.4375
Gm20	33793339	33793939	Gmdrm	hypo	CHG	-0.0338
Gm20	33794057	33794364	Gmdrm	hypo	CHG	-0.031
Gm20	33802705	33802901	Gmdrm	hypo	CHG	-0.077
Gm20	33819528	33819685	Gmdrm	hypo	CHG	-0.697
Gm20	33838422	33838605	Gmdrm	hypo	CHG	-0.5473
Gm20	33847429	33847567	Gmdrm	hypo	CHG	-0.5826
Gm20	33871879	33872313	Gmdrm	hypo	CHG	-0.0783
Gm20	33890593	33891032	Gmdrm	hypo	CHG	-0.8375
Gm20	33897155	33897442	Gmdrm	hypo	CHG	-0.1778
Gm20	33897546	33897670	Gmdrm	hypo	CHG	-0.676
Gm20	33919600	33920584	Gmdrm	hypo	CHG	-0.1166
Gm20	33955220	33955411	Gmdrm	hypo	CHG	-0.3271
Gm20	33957105	33958104	Gmdrm	hypo	CHG	-0.297
Gm20	33958410	33958649	Gmdrm	hypo	CHG	-0.6971
Gm20	33959497	33960014	Gmdrm	hypo	CHG	-0.39
Gm20	33963449	33963629	Gmdrm	hypo	CHG	-0.0533
Gm20	33971758	33971855	Gmdrm	hypo	CHG	-0.7509
Gm20	34051101	34051342	Gmdrm	hypo	CHG	-0.08
Gm20	34061024	34061325	Gmdrm	hypo	CHG	-0.2918
Gm20	34081020	34081179	Gmdrm	hypo	CHG	-0.23
Gm20	34089936	34090050	Gmdrm	hypo	CHG	-0.26
Gm20	34098415	34098584	Gmdrm	hypo	CHG	-0.042
Gm20	34099378	34099623	Gmdrm	hypo	CHG	-0.0467
Gm20	34109761	34109864	Gmdrm	hypo	CHG	-0.9172
Gm20	34110018	34110207	Gmdrm	hypo	CHG	-0.7916
Gm20	34111677	34111842	Gmdrm	hypo	CHG	-0.5533
Gm20	34117660	34117788	Gmdrm	hypo	CHG	-0.4864
Gm20	34146663	34146724	Gmdrm	hypo	CHG	-0.5617
Gm20	34149064	34149232	Gmdrm	hypo	CHG	-0.396
Gm20	34149571	34150080	Gmdrm	hypo	CHG	-0.5559
Gm20	34153454	34153546	Gmdrm	hypo	CHG	-0.072
Gm20	34157479	34157696	Gmdrm	hypo	CHG	-0.3108
Gm20	34225130	34225204	Gmdrm	hypo	CHG	-0.42
Gm20	34225562	34225942	Gmdrm	hypo	CHG	-0.4494
Gm20	34226551	34226716	Gmdrm	hypo	CHG	-0.8436
Gm20	34226853	34227082	Gmdrm	hypo	CHG	-0.5054
Gm20	34229668	34229867	Gmdrm	hypo	CHG	-0.3186

Gm20	34230704	34230800	Gmdrm	hypo	CHG	-0.39
Gm20	34237951	34238355	Gmdrm	hypo	CHG	-0.277
Gm20	34238692	34239038	Gmdrm	hypo	CHG	-0.2246
Gm20	34249861	34250312	Gmdrm	hypo	CHG	-0.0358
Gm20	34255580	34255619	Gmdrm	hypo	CHG	-0.81
Gm20	34255988	34256242	Gmdrm	hypo	CHG	-0.5736
Gm20	34260015	34260098	Gmdrm	hypo	CHG	-0.04
Gm20	34262793	34263148	Gmdrm	hypo	CHG	-0.0767
Gm20	34263296	34263365	Gmdrm	hypo	CHG	-0.0483
Gm20	34267302	34267421	Gmdrm	hypo	CHG	-0.9076
Gm20	34298719	34298800	Gmdrm	hypo	CHG	-0.82
Gm20	34301610	34301754	Gmdrm	hypo	CHG	-0.7584
Gm20	34304383	34304632	Gmdrm	hypo	CHG	-0.5915
Gm20	34311404	34311761	Gmdrm	hypo	CHG	-0.0323
Gm20	34315512	34315984	Gmdrm	hypo	CHG	-0.2072
Gm20	34318802	34319385	Gmdrm	hypo	CHG	-0.3892
Gm20	34333892	34334026	Gmdrm	hypo	CHG	-0.2267
Gm20	34334133	34334900	Gmdrm	hypo	CHG	-0.4646
Gm20	34355177	34355311	Gmdrm	hypo	CHG	-0.5887
Gm20	34363300	34363773	Gmdrm	hypo	CHG	-0.3178
Gm20	34377295	34377351	Gmdrm	hypo	CHG	-0.04
Gm20	34406251	34406641	Gmdrm	hypo	CHG	-0.0322
Gm20	34429619	34429841	Gmdrm	hypo	CHG	-0.0583
Gm20	34439288	34439464	Gmdrm	hypo	CHG	-0.074
Gm20	34442909	34443448	Gmdrm	hypo	CHG	-0.7481
Gm20	34444472	34445124	Gmdrm	hypo	CHG	-0.0485
Gm20	34475930	34476002	Gmdrm	hypo	CHG	-0.645
Gm20	34479380	34479468	Gmdrm	hypo	CHG	-0.52
Gm20	34483194	34483255	Gmdrm	hypo	CHG	-0.3634
Gm20	34513735	34514051	Gmdrm	hypo	CHG	-0.1412
Gm20	34522187	34522504	Gmdrm	hypo	CHG	-0.4393
Gm20	34531717	34531950	Gmdrm	hypo	CHG	-0.2353
Gm20	34532072	34532351	Gmdrm	hypo	CHG	-0.229
Gm20	34534212	34534284	Gmdrm	hypo	CHG	-0.3537
Gm20	34536922	34537460	Gmdrm	hypo	CHG	-0.1607
Gm20	34537624	34537714	Gmdrm	hypo	CHG	-0.4912
Gm20	34537819	34537957	Gmdrm	hypo	CHG	-0.4287
Gm20	34538071	34538353	Gmdrm	hypo	CHG	-0.3062
Gm20	34538636	34538992	Gmdrm	hypo	CHG	-0.373
Gm20	34539116	34539223	Gmdrm	hypo	CHG	-0.614
Gm20	34539341	34539523	Gmdrm	hypo	CHG	-0.275
Gm20	34539716	34540389	Gmdrm	hypo	CHG	-0.3138
Gm20	34560959	34561296	Gmdrm	hypo	CHG	-0.0618
Gm20	34576382	34576924	Gmdrm	hypo	CHG	-0.5445
Gm20	34585367	34585609	Gmdrm	hypo	CHG	-0.654
Gm20	34585724	34585876	Gmdrm	hypo	CHG	-0.7142

Gm20	34591457	34591657	Gmdrm	hypo	CHG	-0.3189
Gm20	34592619	34592726	Gmdrm	hypo	CHG	-0.7084
Gm20	34604577	34604782	Gmdrm	hypo	CHG	-0.2496
Gm20	34628096	34628221	Gmdrm	hypo	CHG	-0.074
Gm20	34630440	34630712	Gmdrm	hypo	CHG	-0.2265
Gm20	34631296	34631390	Gmdrm	hypo	CHG	-0.07
Gm20	34633621	34633761	Gmdrm	hypo	CHG	-0.3243
Gm20	34634658	34635124	Gmdrm	hypo	CHG	-0.2361
Gm20	34646924	34647181	Gmdrm	hypo	CHG	-0.072
Gm20	34649014	34650005	Gmdrm	hypo	CHG	-0.2
Gm20	34650346	34650435	Gmdrm	hypo	CHG	-0.2
Gm20	34654856	34654966	Gmdrm	hypo	CHG	-0.8385
Gm20	34656317	34656573	Gmdrm	hypo	CHG	-0.722
Gm20	34662042	34662196	Gmdrm	hypo	CHG	-0.557
Gm20	34662299	34662454	Gmdrm	hypo	CHG	-0.5846
Gm20	34662808	34663343	Gmdrm	hypo	CHG	-0.7444
Gm20	34663477	34664039	Gmdrm	hypo	CHG	-0.381
Gm20	34666240	34666295	Gmdrm	hypo	CHG	-0.0742
Gm20	34678393	34678470	Gmdrm	hypo	CHG	-0.7287
Gm20	34678653	34678815	Gmdrm	hypo	CHG	-0.3873
Gm20	34681467	34681664	Gmdrm	hypo	CHG	-0.31
Gm20	34681795	34681891	Gmdrm	hypo	CHG	-0.6386
Gm20	34682415	34682641	Gmdrm	hypo	CHG	-0.0511
Gm20	34683275	34683564	Gmdrm	hypo	CHG	-0.4833
Gm20	34686392	34686531	Gmdrm	hypo	CHG	-0.2485
Gm20	34697055	34697496	Gmdrm	hypo	CHG	-0.73
Gm20	34702364	34702530	Gmdrm	hypo	CHG	-0.7909
Gm20	34703382	34703488	Gmdrm	hypo	CHG	-0.8637
Gm20	34710537	34711360	Gmdrm	hypo	CHG	-0.1996
Gm20	34712275	34712348	Gmdrm	hypo	CHG	-0.458
Gm20	34720814	34720839	Gmdrm	hypo	CHG	-0.0587
Gm20	34755478	34755677	Gmdrm	hypo	CHG	-0.3711
Gm20	34756974	34757076	Gmdrm	hypo	CHG	-0.414
Gm20	34771481	34771681	Gmdrm	hypo	CHG	-0.4671
Gm20	34779693	34780164	Gmdrm	hypo	CHG	-0.5294
Gm20	34788373	34788510	Gmdrm	hypo	CHG	-0.1167
Gm20	34789588	34789670	Gmdrm	hypo	CHG	-0.377
Gm20	34790422	34790605	Gmdrm	hypo	CHG	-0.1333
Gm20	34791117	34791442	Gmdrm	hypo	CHG	-0.6393
Gm20	34793888	34794192	Gmdrm	hypo	CHG	-0.0383
Gm20	34799784	34799856	Gmdrm	hypo	CHG	-0.7067
Gm20	34806282	34806363	Gmdrm	hypo	CHG	-0.31
Gm20	34806768	34806839	Gmdrm	hypo	CHG	-0.1467
Gm20	34807663	34807924	Gmdrm	hypo	CHG	-0.5689
Gm20	34808054	34808203	Gmdrm	hypo	CHG	-0.4571
Gm20	34815409	34815507	Gmdrm	hypo	CHG	-0.35

Gm20	34818210	34818333	Gmdrm	hypo	CHG	-0.522
Gm20	34818482	34818868	Gmdrm	hypo	CHG	-0.2331
Gm20	34834345	34834669	Gmdrm	hypo	CHG	-0.04
Gm20	34845188	34845862	Gmdrm	hypo	CHG	-0.0267
Gm20	34857766	34857868	Gmdrm	hypo	CHG	-0.3966
Gm20	34882236	34882509	Gmdrm	hypo	CHG	-0.775
Gm20	34897911	34898021	Gmdrm	hypo	CHG	-0.1675
Gm20	34902912	34903097	Gmdrm	hypo	CHG	-0.0343
Gm20	34927017	34927264	Gmdrm	hypo	CHG	-0.25
Gm20	34945007	34945093	Gmdrm	hypo	CHG	-0.8775
Gm20	34954074	34954681	Gmdrm	hypo	CHG	-0.068
Gm20	34956440	34956750	Gmdrm	hypo	CHG	-0.0633
Gm20	34973711	34974125	Gmdrm	hypo	CHG	-0.0423
Gm20	35005874	35005985	Gmdrm	hypo	CHG	-0.034
Gm20	35008098	35008222	Gmdrm	hypo	CHG	-0.58
Gm20	35012551	35012733	Gmdrm	hypo	CHG	-0.0517
Gm20	35017940	35018189	Gmdrm	hypo	CHG	-0.48
Gm20	35018453	35018623	Gmdrm	hypo	CHG	-0.28
Gm20	35021629	35021829	Gmdrm	hypo	CHG	-0.06
Gm20	35039676	35039762	Gmdrm	hypo	CHG	-0.2012
Gm20	35041025	35041118	Gmdrm	hypo	CHG	-0.5183
Gm20	35044696	35044856	Gmdrm	hypo	CHG	-0.048
Gm20	35053723	35053835	Gmdrm	hypo	CHG	-0.6883
Gm20	35054030	35054381	Gmdrm	hypo	CHG	-0.3622
Gm20	35056569	35057515	Gmdrm	hypo	CHG	-0.1819
Gm20	35061048	35061183	Gmdrm	hypo	CHG	-0.034
Gm20	35072428	35072683	Gmdrm	hypo	CHG	-0.3337
Gm20	35072801	35072930	Gmdrm	hypo	CHG	-0.78
Gm20	35093508	35093868	Gmdrm	hypo	CHG	-0.8532
Gm20	35096338	35096432	Gmdrm	hypo	CHG	-0.3288
Gm20	35100007	35100242	Gmdrm	hypo	CHG	-0.0567
Gm20	35109478	35109631	Gmdrm	hypo	CHG	-0.0316
Gm20	35119879	35120006	Gmdrm	hypo	CHG	-0.4511
Gm20	35138358	35138508	Gmdrm	hypo	CHG	-0.241
Gm20	35138774	35139169	Gmdrm	hypo	CHG	-0.5632
Gm20	35139308	35139541	Gmdrm	hypo	CHG	-0.3054
Gm20	35147426	35147743	Gmdrm	hypo	CHG	-0.3654
Gm20	35147936	35148100	Gmdrm	hypo	CHG	-0.375
Gm20	35148218	35148286	Gmdrm	hypo	CHG	-0.544
Gm20	35150375	35150428	Gmdrm	hypo	CHG	-0.485
Gm20	35170568	35170635	Gmdrm	hypo	CHG	-0.3783
Gm20	35175343	35175509	Gmdrm	hypo	CHG	-0.6899
Gm20	35202202	35202304	Gmdrm	hypo	CHG	-0.138
Gm20	35214780	35214998	Gmdrm	hypo	CHG	-0.3933
Gm20	35219424	35219550	Gmdrm	hypo	CHG	-0.265
Gm20	35219731	35219932	Gmdrm	hypo	CHG	-0.199

Gm20	35220654	35220796	Gmdrm	hypo	CHG	-0.4367
Gm20	35223242	35223512	Gmdrm	hypo	CHG	-0.6233
Gm20	35250441	35250514	Gmdrm	hypo	CHG	-0.942
Gm20	35251524	35251752	Gmdrm	hypo	CHG	-0.599
Gm20	35255826	35256084	Gmdrm	hypo	CHG	-0.0755
Gm20	35262297	35262427	Gmdrm	hypo	CHG	-0.495
Gm20	35262562	35262716	Gmdrm	hypo	CHG	-0.2663
Gm20	35262909	35262990	Gmdrm	hypo	CHG	-0.315
Gm20	35270779	35270941	Gmdrm	hypo	CHG	-0.324
Gm20	35295255	35295342	Gmdrm	hypo	CHG	-0.0543
Gm20	35298279	35298349	Gmdrm	hypo	CHG	-0.372
Gm20	35304424	35304466	Gmdrm	hypo	CHG	-0.0583
Gm20	35310532	35310729	Gmdrm	hypo	CHG	-0.09
Gm20	35327145	35327357	Gmdrm	hypo	CHG	-0.3144
Gm20	35328445	35328768	Gmdrm	hypo	CHG	-0.5854
Gm20	35329410	35329688	Gmdrm	hypo	CHG	-0.742
Gm20	35331948	35332012	Gmdrm	hypo	CHG	-0.068
Gm20	35333647	35333735	Gmdrm	hypo	CHG	-0.8017
Gm20	35335273	35335440	Gmdrm	hypo	CHG	-0.5907
Gm20	35335549	35335680	Gmdrm	hypo	CHG	-0.185
Gm20	35368513	35368534	Gmdrm	hypo	CHG	-0.4386
Gm20	35372917	35372998	Gmdrm	hypo	CHG	-0.038
Gm20	35409989	35410257	Gmdrm	hypo	CHG	-0.5114
Gm20	35410389	35410476	Gmdrm	hypo	CHG	-0.6034
Gm20	35410581	35410784	Gmdrm	hypo	CHG	-0.6273
Gm20	35412659	35412760	Gmdrm	hypo	CHG	-0.42
Gm20	35412880	35413788	Gmdrm	hypo	CHG	-0.1505
Gm20	35428683	35428698	Gmdrm	hypo	CHG	-0.534
Gm20	35436683	35436706	Gmdrm	hypo	CHG	-0.045
Gm20	35451168	35451650	Gmdrm	hypo	CHG	-0.054
Gm20	35460002	35460131	Gmdrm	hypo	CHG	-0.2967
Gm20	35500628	35500666	Gmdrm	hypo	CHG	-0.064
Gm20	35505395	35506066	Gmdrm	hypo	CHG	-0.8442
Gm20	35541091	35541348	Gmdrm	hypo	CHG	-0.1359
Gm20	35544241	35544397	Gmdrm	hypo	CHG	-0.0413
Gm20	35550336	35550543	Gmdrm	hypo	CHG	-0.035
Gm20	35570856	35570982	Gmdrm	hypo	CHG	-0.048
Gm20	35576197	35576334	Gmdrm	hypo	CHG	-0.05
Gm20	35599582	35599728	Gmdrm	hypo	CHG	-0.2528
Gm20	35603258	35603598	Gmdrm	hypo	CHG	-0.5931
Gm20	35625430	35625632	Gmdrm	hypo	CHG	-0.84
Gm20	35625734	35625863	Gmdrm	hypo	CHG	-0.61
Gm20	35626665	35626779	Gmdrm	hypo	CHG	-0.112
Gm20	35634735	35635043	Gmdrm	hypo	CHG	-0.7979
Gm20	35635508	35635604	Gmdrm	hypo	CHG	-0.85
Gm20	35635779	35636180	Gmdrm	hypo	CHG	-0.8384

Gm20	35640902	35641288	Gmdrm	hypo	CHG	-0.2865
Gm20	35641390	35641972	Gmdrm	hypo	CHG	-0.4685
Gm20	35642289	35642602	Gmdrm	hypo	CHG	-0.612
Gm20	35642716	35643641	Gmdrm	hypo	CHG	-0.8341
Gm20	35652288	35652550	Gmdrm	hypo	CHG	-0.055
Gm20	35670180	35670309	Gmdrm	hypo	CHG	-0.5562
Gm20	35703421	35703679	Gmdrm	hypo	CHG	-0.3654
Gm20	35705176	35705506	Gmdrm	hypo	CHG	-0.2056
Gm20	35710953	35711082	Gmdrm	hypo	CHG	-0.0578
Gm20	35717773	35718102	Gmdrm	hypo	CHG	-0.5872
Gm20	35719836	35719867	Gmdrm	hypo	CHG	-0.036
Gm20	35724112	35724278	Gmdrm	hypo	CHG	-0.4283
Gm20	35725495	35725657	Gmdrm	hypo	CHG	-0.2272
Gm20	35727992	35728175	Gmdrm	hypo	CHG	-0.3029
Gm20	35739893	35739953	Gmdrm	hypo	CHG	-0.0538
Gm20	35743868	35744151	Gmdrm	hypo	CHG	-0.478
Gm20	35760805	35761031	Gmdrm	hypo	CHG	-0.2958
Gm20	35825503	35825811	Gmdrm	hypo	CHG	-0.3519
Gm20	35826025	35826068	Gmdrm	hypo	CHG	-0.555
Gm20	35826399	35826588	Gmdrm	hypo	CHG	-0.209
Gm20	35831139	35831182	Gmdrm	hypo	CHG	-0.625
Gm20	35833641	35834066	Gmdrm	hypo	CHG	-0.2637
Gm20	35839216	35840149	Gmdrm	hypo	CHG	-0.438
Gm20	35856218	35856393	Gmdrm	hypo	CHG	-0.1583
Gm20	35880036	35880248	Gmdrm	hypo	CHG	-0.3237
Gm20	35901816	35902030	Gmdrm	hypo	CHG	-0.6867
Gm20	35902791	35902945	Gmdrm	hypo	CHG	-0.9352
Gm20	35910838	35911723	Gmdrm	hypo	CHG	-0.4908
Gm20	35918933	35919340	Gmdrm	hypo	CHG	-0.1886
Gm20	35923759	35923836	Gmdrm	hypo	CHG	-0.7234
Gm20	35936868	35937076	Gmdrm	hypo	CHG	-0.8492
Gm20	35939909	35940206	Gmdrm	hypo	CHG	-0.242
Gm20	36005031	36005061	Gmdrm	hypo	CHG	-0.688
Gm20	36020376	36020691	Gmdrm	hypo	CHG	-0.4547
Gm20	36020957	36021195	Gmdrm	hypo	CHG	-0.4677
Gm20	36023639	36023781	Gmdrm	hypo	CHG	-0.4884
Gm20	36045151	36045279	Gmdrm	hypo	CHG	-0.54
Gm20	36110206	36110585	Gmdrm	hypo	CHG	-0.3912
Gm20	36110731	36110832	Gmdrm	hypo	CHG	-0.4117
Gm20	36126670	36126810	Gmdrm	hypo	CHG	-0.0763
Gm20	36128222	36128268	Gmdrm	hypo	CHG	-0.3858
Gm20	36129420	36129727	Gmdrm	hypo	CHG	-0.0425
Gm20	36131785	36131881	Gmdrm	hypo	CHG	-0.7866
Gm20	36132023	36132113	Gmdrm	hypo	CHG	-0.6533
Gm20	36139279	36139704	Gmdrm	hypo	CHG	-0.1153
Gm20	36140585	36140628	Gmdrm	hypo	CHG	-0.1667

Gm20	36141116	36141382	Gmdrm	hypo	CHG	-0.0738
Gm20	36141799	36142145	Gmdrm	hypo	CHG	-0.7674
Gm20	36162932	36163055	Gmdrm	hypo	CHG	-0.785
Gm20	36166954	36167178	Gmdrm	hypo	CHG	-0.2821
Gm20	36167674	36167851	Gmdrm	hypo	CHG	-0.5062
Gm20	36168171	36168237	Gmdrm	hypo	CHG	-0.7363
Gm20	36190410	36190486	Gmdrm	hypo	CHG	-0.645
Gm20	36230307	36230576	Gmdrm	hypo	CHG	-0.4059
Gm20	36239486	36239591	Gmdrm	hypo	CHG	-0.048
Gm20	36240850	36241025	Gmdrm	hypo	CHG	-0.4643
Gm20	36249580	36249705	Gmdrm	hypo	CHG	-0.0433
Gm20	36249879	36250024	Gmdrm	hypo	CHG	-0.6372
Gm20	36250162	36250327	Gmdrm	hypo	CHG	-0.809
Gm20	36298949	36299118	Gmdrm	hypo	CHG	-0.045
Gm20	36299354	36299468	Gmdrm	hypo	CHG	-0.5816
Gm20	36311035	36311071	Gmdrm	hypo	CHG	-0.04
Gm20	36312092	36312308	Gmdrm	hypo	CHG	-0.3336
Gm20	36316108	36316290	Gmdrm	hypo	CHG	-0.756
Gm20	36322751	36322951	Gmdrm	hypo	CHG	-0.785
Gm20	36334956	36335001	Gmdrm	hypo	CHG	-0.046
Gm20	36338487	36338559	Gmdrm	hypo	CHG	-0.0655
Gm20	36339186	36339595	Gmdrm	hypo	CHG	-0.4715
Gm20	36339871	36339903	Gmdrm	hypo	CHG	-0.3717
Gm20	36341586	36341712	Gmdrm	hypo	CHG	-0.5515
Gm20	36346686	36347563	Gmdrm	hypo	CHG	-0.5052
Gm20	36363092	36363306	Gmdrm	hypo	CHG	-0.044
Gm20	36392279	36392335	Gmdrm	hypo	CHG	-0.82
Gm20	36393087	36393204	Gmdrm	hypo	CHG	-0.4967
Gm20	36412474	36412704	Gmdrm	hypo	CHG	-0.3293
Gm20	36421907	36421951	Gmdrm	hypo	CHG	-0.035
Gm20	36458276	36458367	Gmdrm	hypo	CHG	-0.8129
Gm20	36473512	36473935	Gmdrm	hypo	CHG	-0.0366
Gm20	36475039	36475166	Gmdrm	hypo	CHG	-0.1129
Gm20	36480659	36480758	Gmdrm	hypo	CHG	-0.8076
Gm20	36495589	36495734	Gmdrm	hypo	CHG	-0.8288
Gm20	36499542	36499786	Gmdrm	hypo	CHG	-0.3544
Gm20	36525858	36526360	Gmdrm	hypo	CHG	-0.1888
Gm20	36526560	36526703	Gmdrm	hypo	CHG	-0.435
Gm20	36527100	36527787	Gmdrm	hypo	CHG	-0.3729
Gm20	36531509	36531594	Gmdrm	hypo	CHG	-0.1667
Gm20	36541143	36541374	Gmdrm	hypo	CHG	-0.4619
Gm20	36548257	36548371	Gmdrm	hypo	CHG	-0.7238
Gm20	36570951	36571042	Gmdrm	hypo	CHG	-0.3387
Gm20	36609325	36609383	Gmdrm	hypo	CHG	-0.1
Gm20	36623216	36623603	Gmdrm	hypo	CHG	-0.3359
Gm20	36637682	36638023	Gmdrm	hypo	CHG	-0.0329

Gm20	36648315	36648495	Gmdrm	hypo	CHG	-0.036
Gm20	36657529	36658085	Gmdrm	hypo	CHG	-0.5038
Gm20	36660501	36661478	Gmdrm	hypo	CHG	-0.277
Gm20	36664310	36664498	Gmdrm	hypo	CHG	-0.065
Gm20	36666597	36666721	Gmdrm	hypo	CHG	-0.646
Gm20	36667118	36667602	Gmdrm	hypo	CHG	-0.7966
Gm20	36667954	36668172	Gmdrm	hypo	CHG	-0.8967
Gm20	36668837	36668980	Gmdrm	hypo	CHG	-0.085
Gm20	36673847	36674089	Gmdrm	hypo	CHG	-0.034
Gm20	36679378	36679502	Gmdrm	hypo	CHG	-0.0343
Gm20	36705051	36705479	Gmdrm	hypo	CHG	-0.4016
Gm20	36706215	36706701	Gmdrm	hypo	CHG	-0.3435
Gm20	36707798	36707906	Gmdrm	hypo	CHG	-0.536
Gm20	36722238	36722371	Gmdrm	hypo	CHG	-0.03
Gm20	36733084	36733243	Gmdrm	hypo	CHG	-0.3038
Gm20	36733785	36733909	Gmdrm	hypo	CHG	-0.2321
Gm20	36735518	36735973	Gmdrm	hypo	CHG	-0.5139
Gm20	36752590	36752644	Gmdrm	hypo	CHG	-0.0643
Gm20	36760593	36761418	Gmdrm	hypo	CHG	-0.5338
Gm20	36761534	36761609	Gmdrm	hypo	CHG	-0.472
Gm20	36779396	36779627	Gmdrm	hypo	CHG	-0.6769
Gm20	36832268	36832281	Gmdrm	hypo	CHG	-0.74
Gm20	36836169	36836215	Gmdrm	hypo	CHG	-0.078
Gm20	36845030	36845396	Gmdrm	hypo	CHG	-0.2236
Gm20	36845499	36845693	Gmdrm	hypo	CHG	-0.5546
Gm20	36845829	36845910	Gmdrm	hypo	CHG	-0.57
Gm20	36846121	36847070	Gmdrm	hypo	CHG	-0.6913
Gm20	36875595	36876005	Gmdrm	hypo	CHG	-0.4427
Gm20	36878737	36879273	Gmdrm	hypo	CHG	-0.4411
Gm20	36888117	36888499	Gmdrm	hypo	CHG	-0.3809
Gm20	36892323	36892457	Gmdrm	hypo	CHG	-0.53
Gm20	36898070	36898275	Gmdrm	hypo	CHG	-0.7425
Gm20	36902716	36902881	Gmdrm	hypo	CHG	-0.2513
Gm20	36904203	36904416	Gmdrm	hypo	CHG	-0.635
Gm20	36915520	36915602	Gmdrm	hypo	CHG	-0.844
Gm20	36928648	36928852	Gmdrm	hypo	CHG	-0.7728
Gm20	36928964	36929251	Gmdrm	hypo	CHG	-0.634
Gm20	36939011	36939121	Gmdrm	hypo	CHG	-0.03
Gm20	36940728	36940905	Gmdrm	hypo	CHG	-0.3923
Gm20	36943583	36943853	Gmdrm	hypo	CHG	-0.391
Gm20	36944351	36944454	Gmdrm	hypo	CHG	-0.2134
Gm20	36956403	36956720	Gmdrm	hypo	CHG	-0.6092
Gm20	36958075	36958150	Gmdrm	hypo	CHG	-0.7333
Gm20	36958420	36958537	Gmdrm	hypo	CHG	-0.489
Gm20	36958660	36959048	Gmdrm	hypo	CHG	-0.6859
Gm20	36965475	36965670	Gmdrm	hypo	CHG	-0.6792

Gm20	36971092	36971190	Gmdrm	hypo	CHG	-0.4467
Gm20	36971420	36971497	Gmdrm	hypo	CHG	-0.844
Gm20	36971926	36972335	Gmdrm	hypo	CHG	-0.6836
Gm20	37035338	37035790	Gmdrm	hypo	CHG	-0.1376
Gm20	37040165	37040449	Gmdrm	hypo	CHG	-0.8071
Gm20	37040771	37040977	Gmdrm	hypo	CHG	-0.2146
Gm20	37041205	37041384	Gmdrm	hypo	CHG	-0.2886
Gm20	37042329	37043129	Gmdrm	hypo	CHG	-0.365
Gm20	37043248	37043368	Gmdrm	hypo	CHG	-0.1733
Gm20	37052713	37052749	Gmdrm	hypo	CHG	-0.7084
Gm20	37052878	37053091	Gmdrm	hypo	CHG	-0.5631
Gm20	37056179	37056273	Gmdrm	hypo	CHG	-0.0683
Gm20	37080430	37080530	Gmdrm	hypo	CHG	-0.046
Gm20	37165552	37165718	Gmdrm	hypo	CHG	-0.2486
Gm20	37190306	37190524	Gmdrm	hypo	CHG	-0.111
Gm20	37192756	37192840	Gmdrm	hypo	CHG	-0.036
Gm20	37216496	37216769	Gmdrm	hypo	CHG	-0.802
Gm20	37217127	37217242	Gmdrm	hypo	CHG	-0.6513
Gm20	37234439	37234577	Gmdrm	hypo	CHG	-0.8869
Gm20	37234814	37234867	Gmdrm	hypo	CHG	-0.87
Gm20	37257638	37258074	Gmdrm	hypo	CHG	-0.0592
Gm20	37260845	37261008	Gmdrm	hypo	CHG	-0.0567
Gm20	37265085	37265710	Gmdrm	hypo	CHG	-0.1598
Gm20	37296850	37297157	Gmdrm	hypo	CHG	-0.03
Gm20	37297835	37298389	Gmdrm	hypo	CHG	-0.0392
Gm20	37304448	37304619	Gmdrm	hypo	CHG	-0.6116
Gm20	37304938	37305178	Gmdrm	hypo	CHG	-0.2259
Gm20	37309922	37310020	Gmdrm	hypo	CHG	-0.658
Gm20	37325286	37325469	Gmdrm	hypo	CHG	-0.9575
Gm20	37329516	37329682	Gmdrm	hypo	CHG	-0.035
Gm20	37343846	37344122	Gmdrm	hypo	CHG	-0.4746
Gm20	37353029	37353298	Gmdrm	hypo	CHG	-0.0443
Gm20	37378855	37378911	Gmdrm	hypo	CHG	-0.0433
Gm20	37405999	37406183	Gmdrm	hypo	CHG	-0.0372
Gm20	37424776	37425035	Gmdrm	hypo	CHG	-0.05
Gm20	37426926	37427179	Gmdrm	hypo	CHG	-0.0557
Gm20	37427301	37427487	Gmdrm	hypo	CHG	-0.044
Gm20	37444473	37444632	Gmdrm	hypo	CHG	-0.712
Gm20	37445224	37445432	Gmdrm	hypo	CHG	-0.4944
Gm20	37453435	37453619	Gmdrm	hypo	CHG	-0.5916
Gm20	37456732	37456985	Gmdrm	hypo	CHG	-0.7439
Gm20	37457144	37457206	Gmdrm	hypo	CHG	-0.7086
Gm20	37457475	37457731	Gmdrm	hypo	CHG	-0.7309
Gm20	37465052	37465263	Gmdrm	hypo	CHG	-0.0386
Gm20	37514781	37515066	Gmdrm	hypo	CHG	-0.2966
Gm20	37534210	37534447	Gmdrm	hypo	CHG	-0.048

Gm20	37553009	37553499	Gmdrm	hypo	CHG	-0.1468
Gm20	37554764	37554956	Gmdrm	hypo	CHG	-0.4487
Gm20	37578211	37578294	Gmdrm	hypo	CHG	-0.04
Gm20	37578989	37579473	Gmdrm	hypo	CHG	-0.0294
Gm20	37613851	37613985	Gmdrm	hypo	CHG	-0.6576
Gm20	37614286	37614495	Gmdrm	hypo	CHG	-0.4665
Gm20	37621449	37621523	Gmdrm	hypo	CHG	-0.35
Gm20	37622765	37622820	Gmdrm	hypo	CHG	-0.6625
Gm20	37630119	37630279	Gmdrm	hypo	CHG	-0.022
Gm20	37640481	37640624	Gmdrm	hypo	CHG	-0.0914
Gm20	37640846	37640941	Gmdrm	hypo	CHG	-0.1712
Gm20	37652443	37652658	Gmdrm	hypo	CHG	-0.5129
Gm20	37653273	37653530	Gmdrm	hypo	CHG	-0.5713
Gm20	37664703	37665083	Gmdrm	hypo	CHG	-0.6825
Gm20	37708921	37709176	Gmdrm	hypo	CHG	-0.3533
Gm20	37709452	37709858	Gmdrm	hypo	CHG	-0.4985
Gm20	37719558	37719893	Gmdrm	hypo	CHG	-0.2174
Gm20	37749877	37750166	Gmdrm	hypo	CHG	-0.5371
Gm20	37750271	37750409	Gmdrm	hypo	CHG	-0.1457
Gm20	37753771	37753863	Gmdrm	hypo	CHG	-0.05
Gm20	37768888	37769052	Gmdrm	hypo	CHG	-0.31
Gm20	37771328	37771489	Gmdrm	hypo	CHG	-0.3867
Gm20	37776937	37777049	Gmdrm	hypo	CHG	-0.056
Gm20	37777486	37777693	Gmdrm	hypo	CHG	-0.6419
Gm20	37778479	37778719	Gmdrm	hypo	CHG	-0.26
Gm20	37784931	37785077	Gmdrm	hypo	CHG	-0.52
Gm20	37822186	37822491	Gmdrm	hypo	CHG	-0.358
Gm20	37844307	37844406	Gmdrm	hypo	CHG	-0.2512
Gm20	37844519	37844933	Gmdrm	hypo	CHG	-0.3031
Gm20	37869428	37869542	Gmdrm	hypo	CHG	-0.0633
Gm20	37892365	37892549	Gmdrm	hypo	CHG	-0.2888
Gm20	37909617	37910608	Gmdrm	hypo	CHG	-0.2212
Gm20	37910696	37910911	Gmdrm	hypo	CHG	-0.3933
Gm20	37911039	37911257	Gmdrm	hypo	CHG	-0.396
Gm20	37938077	37938405	Gmdrm	hypo	CHG	-0.4184
Gm20	37939368	37940091	Gmdrm	hypo	CHG	-0.145
Gm20	37943953	37944242	Gmdrm	hypo	CHG	-0.0639
Gm20	37957309	37957417	Gmdrm	hypo	CHG	-0.8222
Gm20	37957644	37957790	Gmdrm	hypo	CHG	-0.943
Gm20	37977273	37977473	Gmdrm	hypo	CHG	-0.0614
Gm20	37988323	37988693	Gmdrm	hypo	CHG	-0.615
Gm20	38001115	38001223	Gmdrm	hypo	CHG	-0.5473
Gm20	38001444	38001515	Gmdrm	hypo	CHG	-0.732
Gm20	38008684	38009014	Gmdrm	hypo	CHG	-0.0773
Gm20	38018585	38018739	Gmdrm	hypo	CHG	-0.5025
Gm20	38078983	38079469	Gmdrm	hypo	CHG	-0.3716

Gm20	38080374	38081354	Gmdrm	hypo	CHG	-0.254
Gm20	38084789	38085023	Gmdrm	hypo	CHG	-0.2422
Gm20	38086841	38086970	Gmdrm	hypo	CHG	-0.7071
Gm20	38087837	38087969	Gmdrm	hypo	CHG	-0.3877
Gm20	38088102	38088204	Gmdrm	hypo	CHG	-0.448
Gm20	38097182	38097420	Gmdrm	hypo	CHG	-0.8186
Gm20	38099293	38099388	Gmdrm	hypo	CHG	-0.6086
Gm20	38113213	38113436	Gmdrm	hypo	CHG	-0.4823
Gm20	38113627	38114097	Gmdrm	hypo	CHG	-0.324
Gm20	38114379	38114443	Gmdrm	hypo	CHG	-0.34
Gm20	38122020	38122202	Gmdrm	hypo	CHG	-0.114
Gm20	38146071	38146509	Gmdrm	hypo	CHG	-0.6317
Gm20	38150014	38150307	Gmdrm	hypo	CHG	-0.36
Gm20	38161727	38161978	Gmdrm	hypo	CHG	-0.0357
Gm20	38165927	38165995	Gmdrm	hypo	CHG	-0.0729
Gm20	38206099	38206282	Gmdrm	hypo	CHG	-0.341
Gm20	38223678	38223740	Gmdrm	hypo	CHG	-0.4517
Gm20	38223993	38224079	Gmdrm	hypo	CHG	-0.738
Gm20	38237136	38237393	Gmdrm	hypo	CHG	-0.0507
Gm20	38240835	38241349	Gmdrm	hypo	CHG	-0.0247
Gm20	38246271	38246585	Gmdrm	hypo	CHG	-0.6147
Gm20	38299487	38299788	Gmdrm	hypo	CHG	-0.6823
Gm20	38304234	38304297	Gmdrm	hypo	CHG	-0.076
Gm20	38306844	38307047	Gmdrm	hypo	CHG	-0.05
Gm20	38312975	38313276	Gmdrm	hypo	CHG	-0.8962
Gm20	38313381	38313787	Gmdrm	hypo	CHG	-0.9226
Gm20	38350588	38350902	Gmdrm	hypo	CHG	-0.3948
Gm20	38354691	38354841	Gmdrm	hypo	CHG	-0.5067
Gm20	38364318	38364434	Gmdrm	hypo	CHG	-0.4234
Gm20	38364581	38364642	Gmdrm	hypo	CHG	-0.2657
Gm20	38364881	38365060	Gmdrm	hypo	CHG	-0.2644
Gm20	38365178	38365272	Gmdrm	hypo	CHG	-0.43
Gm20	38378314	38378686	Gmdrm	hypo	CHG	-0.2062
Gm20	38412977	38413097	Gmdrm	hypo	CHG	-0.6999
Gm20	38413408	38413568	Gmdrm	hypo	CHG	-0.8067
Gm20	38413731	38413817	Gmdrm	hypo	CHG	-0.8385
Gm20	38414832	38414972	Gmdrm	hypo	CHG	-0.028
Gm20	38425975	38426184	Gmdrm	hypo	CHG	-0.0328
Gm20	38437796	38437994	Gmdrm	hypo	CHG	-0.6567
Gm20	38451800	38452153	Gmdrm	hypo	CHG	-0.265
Gm20	38454469	38454559	Gmdrm	hypo	CHG	-0.398
Gm20	38460229	38460362	Gmdrm	hypo	CHG	-0.705
Gm20	38460488	38460720	Gmdrm	hypo	CHG	-0.5214
Gm20	38462158	38462477	Gmdrm	hypo	CHG	-0.7389
Gm20	38478132	38478339	Gmdrm	hypo	CHG	-0.5154
Gm20	38494405	38494505	Gmdrm	hypo	CHG	-0.6388

Gm20	38500128	38500278	Gmdrm	hypo	CHG	-0.6091
Gm20	38500520	38500648	Gmdrm	hypo	CHG	-0.6388
Gm20	38526481	38526718	Gmdrm	hypo	CHG	-0.0387
Gm20	38531964	38532160	Gmdrm	hypo	CHG	-0.4969
Gm20	38542895	38543243	Gmdrm	hypo	CHG	-0.4938
Gm20	38546569	38546664	Gmdrm	hypo	CHG	-0.88
Gm20	38546973	38547222	Gmdrm	hypo	CHG	-0.8308
Gm20	38563432	38563533	Gmdrm	hypo	CHG	-0.745
Gm20	38599101	38599142	Gmdrm	hypo	CHG	-0.47
Gm20	38603101	38603498	Gmdrm	hypo	CHG	-0.6939
Gm20	38617703	38618073	Gmdrm	hypo	CHG	-0.25
Gm20	38620604	38620727	Gmdrm	hypo	CHG	-0.1367
Gm20	38621598	38621697	Gmdrm	hypo	CHG	-0.09
Gm20	38641792	38641972	Gmdrm	hypo	CHG	-0.7608
Gm20	38645303	38645741	Gmdrm	hypo	CHG	-0.155
Gm20	38649919	38650119	Gmdrm	hypo	CHG	-0.3887
Gm20	38657546	38657907	Gmdrm	hypo	CHG	-0.4527
Gm20	38660266	38660403	Gmdrm	hypo	CHG	-0.508
Gm20	38673661	38673769	Gmdrm	hypo	CHG	-0.05
Gm20	38678966	38679220	Gmdrm	hypo	CHG	-0.2983
Gm20	38679542	38679618	Gmdrm	hypo	CHG	-0.25
Gm20	38694237	38694474	Gmdrm	hypo	CHG	-0.76
Gm20	38694940	38695450	Gmdrm	hypo	CHG	-0.6821
Gm20	38705254	38705436	Gmdrm	hypo	CHG	-0.0733
Gm20	38719735	38719975	Gmdrm	hypo	CHG	-0.0386
Gm20	38725500	38725715	Gmdrm	hypo	CHG	-0.819
Gm20	38725865	38725973	Gmdrm	hypo	CHG	-0.726
Gm20	38726092	38726246	Gmdrm	hypo	CHG	-0.6825
Gm20	38726655	38726779	Gmdrm	hypo	CHG	-0.6925
Gm20	38734943	38735251	Gmdrm	hypo	CHG	-0.8
Gm20	38739132	38739445	Gmdrm	hypo	CHG	-0.0488
Gm20	38745418	38745527	Gmdrm	hypo	CHG	-0.5386
Gm20	38747074	38747300	Gmdrm	hypo	CHG	-0.606
Gm20	38774720	38775024	Gmdrm	hypo	CHG	-0.4629
Gm20	38804300	38804535	Gmdrm	hypo	CHG	-0.687
Gm20	38806720	38806972	Gmdrm	hypo	CHG	-0.4462
Gm20	38810448	38810905	Gmdrm	hypo	CHG	-0.7154
Gm20	38823330	38823400	Gmdrm	hypo	CHG	-0.8983
Gm20	38834211	38834302	Gmdrm	hypo	CHG	-0.362
Gm20	38849310	38849374	Gmdrm	hypo	CHG	-0.6266
Gm20	38852954	38853945	Gmdrm	hypo	CHG	-0.2046
Gm20	38874671	38874919	Gmdrm	hypo	CHG	-0.7592
Gm20	38875072	38875259	Gmdrm	hypo	CHG	-0.8325
Gm20	38895438	38895679	Gmdrm	hypo	CHG	-0.6334
Gm20	38897017	38897165	Gmdrm	hypo	CHG	-0.3807
Gm20	38915502	38915603	Gmdrm	hypo	CHG	-0.0717

Gm20	38928774	38929017	Gmdrm	hypo	CHG	-0.038
Gm20	38943103	38943389	Gmdrm	hypo	CHG	-0.1187
Gm20	38949284	38949578	Gmdrm	hypo	CHG	-0.3604
Gm20	38957576	38957796	Gmdrm	hypo	CHG	-0.1946
Gm20	38967332	38967507	Gmdrm	hypo	CHG	-0.058
Gm20	38988702	38988822	Gmdrm	hypo	CHG	-0.08
Gm20	39004904	39005138	Gmdrm	hypo	CHG	-0.6478
Gm20	39005715	39005795	Gmdrm	hypo	CHG	-0.51
Gm20	39005927	39006025	Gmdrm	hypo	CHG	-0.3457
Gm20	39020628	39020927	Gmdrm	hypo	CHG	-0.7966
Gm20	39036850	39036903	Gmdrm	hypo	CHG	-0.072
Gm20	39037860	39038184	Gmdrm	hypo	CHG	-0.0443
Gm20	39040295	39040566	Gmdrm	hypo	CHG	-0.044
Gm20	39068755	39068926	Gmdrm	hypo	CHG	-0.6689
Gm20	39069036	39069323	Gmdrm	hypo	CHG	-0.5178
Gm20	39082056	39082236	Gmdrm	hypo	CHG	-0.838
Gm20	39084270	39084500	Gmdrm	hypo	CHG	-0.028
Gm20	39085850	39086151	Gmdrm	hypo	CHG	-0.0633
Gm20	39092026	39092661	Gmdrm	hypo	CHG	-0.0486
Gm20	39105003	39105708	Gmdrm	hypo	CHG	-0.6787
Gm20	39110339	39110559	Gmdrm	hypo	CHG	-0.1893
Gm20	39124584	39124895	Gmdrm	hypo	CHG	-0.808
Gm20	39131884	39131899	Gmdrm	hypo	CHG	-0.14
Gm20	39145788	39146001	Gmdrm	hypo	CHG	-0.0283
Gm20	39149582	39149609	Gmdrm	hypo	CHG	-0.585
Gm20	39152875	39152975	Gmdrm	hypo	CHG	-0.058
Gm20	39161001	39161178	Gmdrm	hypo	CHG	-0.38
Gm20	39175652	39176033	Gmdrm	hypo	CHG	-0.7809
Gm20	39180401	39180545	Gmdrm	hypo	CHG	-0.13
Gm20	39183956	39184254	Gmdrm	hypo	CHG	-0.2557
Gm20	39184545	39184606	Gmdrm	hypo	CHG	-0.7033
Gm20	39185057	39185367	Gmdrm	hypo	CHG	-0.3793
Gm20	39209363	39209377	Gmdrm	hypo	CHG	-0.8367
Gm20	39232540	39232607	Gmdrm	hypo	CHG	-0.4467
Gm20	39232825	39233049	Gmdrm	hypo	CHG	-0.4927
Gm20	39236079	39236639	Gmdrm	hypo	CHG	-0.2813
Gm20	39270447	39270597	Gmdrm	hypo	CHG	-0.158
Gm20	39280893	39281027	Gmdrm	hypo	CHG	-0.5933
Gm20	39285480	39285667	Gmdrm	hypo	CHG	-0.2664
Gm20	39299296	39299635	Gmdrm	hypo	CHG	-0.5748
Gm20	39299752	39299923	Gmdrm	hypo	CHG	-0.7254
Gm20	39300435	39300454	Gmdrm	hypo	CHG	-0.4516
Gm20	39300578	39301108	Gmdrm	hypo	CHG	-0.4447
Gm20	39306698	39307082	Gmdrm	hypo	CHG	-0.0941
Gm20	39307335	39307499	Gmdrm	hypo	CHG	-0.315
Gm20	39341446	39341760	Gmdrm	hypo	CHG	-0.6906

Gm20	39349488	39349754	Gmdrm	hypo	CHG	-0.7368
Gm20	39350141	39350259	Gmdrm	hypo	CHG	-0.7017
Gm20	39350741	39351031	Gmdrm	hypo	CHG	-0.7708
Gm20	39364896	39365088	Gmdrm	hypo	CHG	-0.032
Gm20	39369548	39369653	Gmdrm	hypo	CHG	-0.6766
Gm20	39369759	39369964	Gmdrm	hypo	CHG	-0.4688
Gm20	39370402	39370576	Gmdrm	hypo	CHG	-0.74
Gm20	39381176	39381563	Gmdrm	hypo	CHG	-0.5244
Gm20	39382591	39382733	Gmdrm	hypo	CHG	-0.5357
Gm20	39402190	39402283	Gmdrm	hypo	CHG	-0.04
Gm20	39436081	39436287	Gmdrm	hypo	CHG	-0.0551
Gm20	39436430	39436592	Gmdrm	hypo	CHG	-0.7433
Gm20	39479207	39479435	Gmdrm	hypo	CHG	-0.0466
Gm20	39496192	39496432	Gmdrm	hypo	CHG	-0.5675
Gm20	39496622	39496636	Gmdrm	hypo	CHG	-0.756
Gm20	39499252	39499396	Gmdrm	hypo	CHG	-0.204
Gm20	39500241	39500428	Gmdrm	hypo	CHG	-0.0286
Gm20	39527415	39527719	Gmdrm	hypo	CHG	-0.0275
Gm20	39541376	39541707	Gmdrm	hypo	CHG	-0.1841
Gm20	39545970	39546292	Gmdrm	hypo	CHG	-0.7849
Gm20	39547794	39547847	Gmdrm	hypo	CHG	-0.922
Gm20	39547961	39548066	Gmdrm	hypo	CHG	-0.9533
Gm20	39551825	39551914	Gmdrm	hypo	CHG	-0.686
Gm20	39565101	39565138	Gmdrm	hypo	CHG	-0.7238
Gm20	39595105	39595497	Gmdrm	hypo	CHG	-0.1441
Gm20	39615232	39615278	Gmdrm	hypo	CHG	-0.024
Gm20	39620453	39620694	Gmdrm	hypo	CHG	-0.04
Gm20	39642515	39642644	Gmdrm	hypo	CHG	-0.055
Gm20	39645167	39645562	Gmdrm	hypo	CHG	-0.7248
Gm20	39648753	39649430	Gmdrm	hypo	CHG	-0.8216
Gm20	39685554	39686207	Gmdrm	hypo	CHG	-0.0314
Gm20	39702040	39702415	Gmdrm	hypo	CHG	-0.035
Gm20	39716239	39716396	Gmdrm	hypo	CHG	-0.32
Gm20	39723048	39723072	Gmdrm	hypo	CHG	-0.0743
Gm20	39731867	39731971	Gmdrm	hypo	CHG	-0.8517
Gm20	39739970	39740079	Gmdrm	hypo	CHG	-0.5
Gm20	39748238	39748384	Gmdrm	hypo	CHG	-0.1078
Gm20	39750472	39750584	Gmdrm	hypo	CHG	-0.828
Gm20	39767180	39767461	Gmdrm	hypo	CHG	-0.0392
Gm20	39838692	39839019	Gmdrm	hypo	CHG	-0.707
Gm20	39839761	39839840	Gmdrm	hypo	CHG	-0.447
Gm20	39839990	39840107	Gmdrm	hypo	CHG	-0.7183
Gm20	39843816	39843968	Gmdrm	hypo	CHG	-0.0386
Gm20	39854786	39854989	Gmdrm	hypo	CHG	-0.53
Gm20	39867013	39867091	Gmdrm	hypo	CHG	-0.3615
Gm20	39871944	39872402	Gmdrm	hypo	CHG	-0.1172

Gm20	39876983	39877101	Gmdrm	hypo	CHG	-0.1899
Gm20	39911520	39911861	Gmdrm	hypo	CHG	-0.0654
Gm20	39917333	39917671	Gmdrm	hypo	CHG	-0.2238
Gm20	39928803	39929069	Gmdrm	hypo	CHG	-0.1012
Gm20	39929651	39929924	Gmdrm	hypo	CHG	-0.04
Gm20	39943841	39944034	Gmdrm	hypo	CHG	-0.2755
Gm20	39950563	39950667	Gmdrm	hypo	CHG	-0.685
Gm20	39950768	39950977	Gmdrm	hypo	CHG	-0.5033
Gm20	39959926	39960171	Gmdrm	hypo	CHG	-0.6677
Gm20	39960284	39960490	Gmdrm	hypo	CHG	-0.675
Gm20	39960622	39960697	Gmdrm	hypo	CHG	-0.688
Gm20	39987632	39987842	Gmdrm	hypo	CHG	-0.0567
Gm20	40005015	40005512	Gmdrm	hypo	CHG	-0.7474
Gm20	40013330	40013444	Gmdrm	hypo	CHG	-0.04
Gm20	40036763	40036809	Gmdrm	hypo	CHG	-0.0416
Gm20	40043645	40044114	Gmdrm	hypo	CHG	-0.6019
Gm20	40053709	40053825	Gmdrm	hypo	CHG	-0.6588
Gm20	40054801	40054953	Gmdrm	hypo	CHG	-0.1143
Gm20	40061535	40062232	Gmdrm	hypo	CHG	-0.1273
Gm20	40071139	40071158	Gmdrm	hypo	CHG	-0.73
Gm20	40083997	40084295	Gmdrm	hypo	CHG	-0.8
Gm20	40086176	40086401	Gmdrm	hypo	CHG	-0.6971
Gm20	40102419	40102871	Gmdrm	hypo	CHG	-0.1779
Gm20	40107585	40107749	Gmdrm	hypo	CHG	-0.2685
Gm20	40111908	40111967	Gmdrm	hypo	CHG	-0.048
Gm20	40115980	40116022	Gmdrm	hypo	CHG	-0.0882
Gm20	40125848	40125915	Gmdrm	hypo	CHG	-0.9067
Gm20	40126054	40126229	Gmdrm	hypo	CHG	-0.6143
Gm20	40134488	40134760	Gmdrm	hypo	CHG	-0.1058
Gm20	40135443	40135627	Gmdrm	hypo	CHG	-0.0978
Gm20	40139030	40139957	Gmdrm	hypo	CHG	-0.3098
Gm20	40165178	40165469	Gmdrm	hypo	CHG	-0.0594
Gm20	40167023	40168007	Gmdrm	hypo	CHG	-0.1029
Gm20	40180957	40181210	Gmdrm	hypo	CHG	-0.5067
Gm20	40188578	40188760	Gmdrm	hypo	CHG	-0.3738
Gm20	40189167	40189563	Gmdrm	hypo	CHG	-0.3494
Gm20	40191008	40191138	Gmdrm	hypo	CHG	-0.7
Gm20	40191250	40191362	Gmdrm	hypo	CHG	-0.3384
Gm20	40192152	40192235	Gmdrm	hypo	CHG	-0.875
Gm20	40198314	40198600	Gmdrm	hypo	CHG	-0.3724
Gm20	40199277	40199532	Gmdrm	hypo	CHG	-0.428
Gm20	40202783	40202814	Gmdrm	hypo	CHG	-0.17
Gm20	40209548	40209664	Gmdrm	hypo	CHG	-0.042
Gm20	40211916	40212195	Gmdrm	hypo	CHG	-0.0389
Gm20	40229039	40229169	Gmdrm	hypo	CHG	-0.672
Gm20	40229678	40229829	Gmdrm	hypo	CHG	-0.0333

Gm20	40236479	40237306	Gmdrm	hypo	CHG	-0.4326
Gm20	40252346	40252603	Gmdrm	hypo	CHG	-0.0267
Gm20	40255099	40255289	Gmdrm	hypo	CHG	-0.498
Gm20	40259749	40259764	Gmdrm	hypo	CHG	-0.766
Gm20	40278783	40278948	Gmdrm	hypo	CHG	-0.0513
Gm20	40279380	40279749	Gmdrm	hypo	CHG	-0.8025
Gm20	40279889	40280188	Gmdrm	hypo	CHG	-0.7986
Gm20	40307148	40307396	Gmdrm	hypo	CHG	-0.8809
Gm20	40307936	40307979	Gmdrm	hypo	CHG	-0.698
Gm20	40313792	40313874	Gmdrm	hypo	CHG	-0.2986
Gm20	40314163	40314257	Gmdrm	hypo	CHG	-0.89
Gm20	40317449	40317721	Gmdrm	hypo	CHG	-0.8837
Gm20	40318295	40318444	Gmdrm	hypo	CHG	-0.78
Gm20	40318559	40318723	Gmdrm	hypo	CHG	-0.6461
Gm20	40331938	40332720	Gmdrm	hypo	CHG	-0.2478
Gm20	40333375	40333617	Gmdrm	hypo	CHG	-0.3
Gm20	40336428	40336825	Gmdrm	hypo	CHG	-0.0782
Gm20	40353353	40353609	Gmdrm	hypo	CHG	-0.426
Gm20	40355644	40355918	Gmdrm	hypo	CHG	-0.5129
Gm20	40366951	40367125	Gmdrm	hypo	CHG	-0.0784
Gm20	40372090	40372402	Gmdrm	hypo	CHG	-0.4481
Gm20	40372533	40372763	Gmdrm	hypo	CHG	-0.2762
Gm20	40379944	40380293	Gmdrm	hypo	CHG	-0.5664
Gm20	40388552	40388845	Gmdrm	hypo	CHG	-0.6642
Gm20	40388981	40389141	Gmdrm	hypo	CHG	-0.7409
Gm20	40426288	40426469	Gmdrm	hypo	CHG	-0.7212
Gm20	40426653	40426802	Gmdrm	hypo	CHG	-0.536
Gm20	40427250	40427403	Gmdrm	hypo	CHG	-0.4363
Gm20	40427578	40427629	Gmdrm	hypo	CHG	-0.23
Gm20	40427744	40427898	Gmdrm	hypo	CHG	-0.224
Gm20	40428940	40428996	Gmdrm	hypo	CHG	-0.434
Gm20	40442670	40443208	Gmdrm	hypo	CHG	-0.2597
Gm20	40443562	40443652	Gmdrm	hypo	CHG	-0.3167
Gm20	40446480	40446697	Gmdrm	hypo	CHG	-0.3485
Gm20	40448118	40448236	Gmdrm	hypo	CHG	-0.544
Gm20	40450783	40450929	Gmdrm	hypo	CHG	-0.076
Gm20	40451769	40451996	Gmdrm	hypo	CHG	-0.0656
Gm20	40459623	40459651	Gmdrm	hypo	CHG	-0.052
Gm20	40482331	40482397	Gmdrm	hypo	CHG	-0.042
Gm20	40485945	40486127	Gmdrm	hypo	CHG	-0.0475
Gm20	40488504	40488784	Gmdrm	hypo	CHG	-0.0537
Gm20	40498727	40498909	Gmdrm	hypo	CHG	-0.0271
Gm20	40518643	40518940	Gmdrm	hypo	CHG	-0.8709
Gm20	40545154	40545566	Gmdrm	hypo	CHG	-0.2118
Gm20	40562755	40562854	Gmdrm	hypo	CHG	-0.6937
Gm20	40563285	40563338	Gmdrm	hypo	CHG	-0.933

Gm20	40563551	40563903	Gmdrm	hypo	CHG	-0.3234
Gm20	40564464	40564837	Gmdrm	hypo	CHG	-0.5809
Gm20	40576596	40576768	Gmdrm	hypo	CHG	-0.104
Gm20	40595049	40595201	Gmdrm	hypo	CHG	-0.038
Gm20	40598382	40598472	Gmdrm	hypo	CHG	-0.06
Gm20	40625502	40625616	Gmdrm	hypo	CHG	-0.285
Gm20	40649803	40649961	Gmdrm	hypo	CHG	-0.6663
Gm20	40658113	40658283	Gmdrm	hypo	CHG	-0.735
Gm20	40658390	40658574	Gmdrm	hypo	CHG	-0.7886
Gm20	40668745	40669293	Gmdrm	hypo	CHG	-0.0292
Gm20	40683909	40684258	Gmdrm	hypo	CHG	-0.645
Gm20	40684664	40685144	Gmdrm	hypo	CHG	-0.4445
Gm20	40723199	40723668	Gmdrm	hypo	CHG	-0.3487
Gm20	40733244	40733468	Gmdrm	hypo	CHG	-0.2092
Gm20	40733638	40733821	Gmdrm	hypo	CHG	-0.4515
Gm20	40739596	40739670	Gmdrm	hypo	CHG	-0.0537
Gm20	40757044	40757131	Gmdrm	hypo	CHG	-0.0578
Gm20	40763247	40763349	Gmdrm	hypo	CHG	-0.246
Gm20	40763458	40763756	Gmdrm	hypo	CHG	-0.4467
Gm20	40768410	40768913	Gmdrm	hypo	CHG	-0.296
Gm20	40769213	40769950	Gmdrm	hypo	CHG	-0.5069
Gm20	40817366	40817557	Gmdrm	hypo	CHG	-0.036
Gm20	40828014	40828166	Gmdrm	hypo	CHG	-0.084
Gm20	40834453	40834589	Gmdrm	hypo	CHG	-0.44
Gm20	40854146	40854430	Gmdrm	hypo	CHG	-0.31
Gm20	40856701	40856770	Gmdrm	hypo	CHG	-0.4537
Gm20	40857052	40857131	Gmdrm	hypo	CHG	-0.9383
Gm20	40857447	40857526	Gmdrm	hypo	CHG	-0.8357
Gm20	40864218	40864313	Gmdrm	hypo	CHG	-0.4
Gm20	40865538	40865712	Gmdrm	hypo	CHG	-0.092
Gm20	40872760	40872865	Gmdrm	hypo	CHG	-0.042
Gm20	40935376	40935510	Gmdrm	hypo	CHG	-0.8187
Gm20	40936001	40936195	Gmdrm	hypo	CHG	-0.206
Gm20	40937069	40937128	Gmdrm	hypo	CHG	-0.6886
Gm20	40944350	40944375	Gmdrm	hypo	CHG	-0.4917
Gm20	40945455	40945468	Gmdrm	hypo	CHG	-0.518
Gm20	40946587	40946724	Gmdrm	hypo	CHG	-0.8222
Gm20	40962445	40962625	Gmdrm	hypo	CHG	-0.0322
Gm20	40969788	40969876	Gmdrm	hypo	CHG	-0.7667
Gm20	40977543	40977797	Gmdrm	hypo	CHG	-0.035
Gm20	40983165	40983326	Gmdrm	hypo	CHG	-0.2967
Gm20	40998084	40998475	Gmdrm	hypo	CHG	-0.8611
Gm20	40998594	40998703	Gmdrm	hypo	CHG	-0.494
Gm20	41005767	41006228	Gmdrm	hypo	CHG	-0.4805
Gm20	41007950	41007995	Gmdrm	hypo	CHG	-0.73
Gm20	41028006	41028043	Gmdrm	hypo	CHG	-0.8317

Gm20	41062897	41063172	Gmdrm	hypo	CHG	-0.3924
Gm20	41064436	41064520	Gmdrm	hypo	CHG	-0.295
Gm20	41082013	41082060	Gmdrm	hypo	CHG	-0.08
Gm20	41106128	41106614	Gmdrm	hypo	CHG	-0.8063
Gm20	41107043	41107161	Gmdrm	hypo	CHG	-0.1871
Gm20	41109255	41109442	Gmdrm	hypo	CHG	-0.1124
Gm20	41120520	41120966	Gmdrm	hypo	CHG	-0.4075
Gm20	41128366	41128554	Gmdrm	hypo	CHG	-0.7192
Gm20	41142504	41142550	Gmdrm	hypo	CHG	-0.048
Gm20	41143504	41143616	Gmdrm	hypo	CHG	-0.0488
Gm20	41162202	41162591	Gmdrm	hypo	CHG	-0.03
Gm20	41180964	41181256	Gmdrm	hypo	CHG	-0.6957
Gm20	41228802	41228962	Gmdrm	hypo	CHG	-0.026
Gm20	41231061	41231432	Gmdrm	hypo	CHG	-0.3545
Gm20	41231553	41231669	Gmdrm	hypo	CHG	-0.585
Gm20	41245124	41245216	Gmdrm	hypo	CHG	-0.825
Gm20	41245320	41245363	Gmdrm	hypo	CHG	-0.8666
Gm20	41265891	41266024	Gmdrm	hypo	CHG	-0.7127
Gm20	41285488	41285599	Gmdrm	hypo	CHG	-0.4912
Gm20	41285776	41285983	Gmdrm	hypo	CHG	-0.47
Gm20	41286114	41286657	Gmdrm	hypo	CHG	-0.377
Gm20	41304789	41304864	Gmdrm	hypo	CHG	-0.875
Gm20	41304987	41305193	Gmdrm	hypo	CHG	-0.833
Gm20	41317049	41317105	Gmdrm	hypo	CHG	-0.25
Gm20	41352661	41353456	Gmdrm	hypo	CHG	-0.1556
Gm20	41374596	41374851	Gmdrm	hypo	CHG	-0.255
Gm20	41376604	41376735	Gmdrm	hypo	CHG	-0.038
Gm20	41398316	41398387	Gmdrm	hypo	CHG	-0.7
Gm20	41398592	41398818	Gmdrm	hypo	CHG	-0.6083
Gm20	41407149	41407229	Gmdrm	hypo	CHG	-0.728
Gm20	41419065	41419611	Gmdrm	hypo	CHG	-0.6696
Gm20	41425585	41425674	Gmdrm	hypo	CHG	-0.0467
Gm20	41440643	41440974	Gmdrm	hypo	CHG	-0.4855
Gm20	41455233	41455549	Gmdrm	hypo	CHG	-0.0491
Gm20	41463889	41464024	Gmdrm	hypo	CHG	-0.215
Gm20	41476094	41476220	Gmdrm	hypo	CHG	-0.83
Gm20	41480994	41481079	Gmdrm	hypo	CHG	-0.455
Gm20	41481243	41481400	Gmdrm	hypo	CHG	-0.659
Gm20	41485239	41485436	Gmdrm	hypo	CHG	-0.0633
Gm20	41500365	41500464	Gmdrm	hypo	CHG	-0.7313
Gm20	41500626	41500833	Gmdrm	hypo	CHG	-0.5978
Gm20	41507098	41507206	Gmdrm	hypo	CHG	-0.045
Gm20	41516522	41516867	Gmdrm	hypo	CHG	-0.8411
Gm20	41521718	41521811	Gmdrm	hypo	CHG	-0.098
Gm20	41537026	41537064	Gmdrm	hypo	CHG	-0.1017
Gm20	41538742	41538822	Gmdrm	hypo	CHG	-0.042

Gm20	41542279	41542424	Gmdrm	hypo	CHG	-0.0983
Gm20	41560866	41560912	Gmdrm	hypo	CHG	-0.2817
Gm20	41561355	41561715	Gmdrm	hypo	CHG	-0.0527
Gm20	41564597	41564705	Gmdrm	hypo	CHG	-0.14
Gm20	41565006	41565171	Gmdrm	hypo	CHG	-0.068
Gm20	41568956	41569121	Gmdrm	hypo	CHG	-0.0267
Gm20	41579384	41579489	Gmdrm	hypo	CHG	-0.5867
Gm20	41579614	41579646	Gmdrm	hypo	CHG	-0.825
Gm20	41579957	41580022	Gmdrm	hypo	CHG	-0.5333
Gm20	41583695	41583855	Gmdrm	hypo	CHG	-0.576
Gm20	41587691	41588187	Gmdrm	hypo	CHG	-0.02
Gm20	41603473	41603750	Gmdrm	hypo	CHG	-0.0337
Gm20	41614622	41614644	Gmdrm	hypo	CHG	-0.7916
Gm20	41614798	41614981	Gmdrm	hypo	CHG	-0.5888
Gm20	41632200	41632412	Gmdrm	hypo	CHG	-0.4763
Gm20	41680613	41680744	Gmdrm	hypo	CHG	-0.0533
Gm20	41697020	41697173	Gmdrm	hypo	CHG	-0.7336
Gm20	41723252	41723428	Gmdrm	hypo	CHG	-0.912
Gm20	41737596	41737825	Gmdrm	hypo	CHG	-0.6329
Gm20	41750379	41750466	Gmdrm	hypo	CHG	-0.8586
Gm20	41750763	41750936	Gmdrm	hypo	CHG	-0.678
Gm20	41751081	41751254	Gmdrm	hypo	CHG	-0.48
Gm20	41756753	41757009	Gmdrm	hypo	CHG	-0.376
Gm20	41764363	41764545	Gmdrm	hypo	CHG	-0.252
Gm20	41770594	41770756	Gmdrm	hypo	CHG	-0.66
Gm20	41771901	41772156	Gmdrm	hypo	CHG	-0.6491
Gm20	41780664	41780787	Gmdrm	hypo	CHG	-0.2417
Gm20	41780994	41781534	Gmdrm	hypo	CHG	-0.1894
Gm20	41791165	41791939	Gmdrm	hypo	CHG	-0.6446
Gm20	41838965	41839137	Gmdrm	hypo	CHG	-0.069
Gm20	41847988	41848143	Gmdrm	hypo	CHG	-0.2293
Gm20	41862285	41862428	Gmdrm	hypo	CHG	-0.03
Gm20	41864003	41864291	Gmdrm	hypo	CHG	-0.0312
Gm20	41864455	41864607	Gmdrm	hypo	CHG	-0.2978
Gm20	41864770	41864902	Gmdrm	hypo	CHG	-0.185
Gm20	41872484	41872591	Gmdrm	hypo	CHG	-0.21
Gm20	41875433	41875696	Gmdrm	hypo	CHG	-0.07
Gm20	41901838	41901954	Gmdrm	hypo	CHG	-0.048
Gm20	41919325	41919530	Gmdrm	hypo	CHG	-0.0288
Gm20	41931102	41931342	Gmdrm	hypo	CHG	-0.8237
Gm20	41932668	41932722	Gmdrm	hypo	CHG	-0.2133
Gm20	41933873	41934365	Gmdrm	hypo	CHG	-0.0909
Gm20	41945297	41945375	Gmdrm	hypo	CHG	-0.06
Gm20	41952704	41953129	Gmdrm	hypo	CHG	-0.6395
Gm20	41966634	41966793	Gmdrm	hypo	CHG	-0.075
Gm20	41978785	41979098	Gmdrm	hypo	CHG	-0.0329

Gm20	41981282	41981430	Gmdrm	hypo	CHG	-0.04
Gm20	41996399	41996621	Gmdrm	hypo	CHG	-0.3633
Gm20	41999941	42000176	Gmdrm	hypo	CHG	-0.53
Gm20	42020800	42021158	Gmdrm	hypo	CHG	-0.586
Gm20	42022048	42022517	Gmdrm	hypo	CHG	-0.6996
Gm20	42025273	42025406	Gmdrm	hypo	CHG	-0.08
Gm20	42033721	42034245	Gmdrm	hypo	CHG	-0.0928
Gm20	42050138	42050158	Gmdrm	hypo	CHG	-0.0629
Gm20	42055535	42055778	Gmdrm	hypo	CHG	-0.1375
Gm20	42055959	42056008	Gmdrm	hypo	CHG	-0.0867
Gm20	42061796	42062050	Gmdrm	hypo	CHG	-0.0412
Gm20	42063651	42063836	Gmdrm	hypo	CHG	-0.06
Gm20	42065027	42065392	Gmdrm	hypo	CHG	-0.038
Gm20	42066341	42066755	Gmdrm	hypo	CHG	-0.4241
Gm20	42066908	42067497	Gmdrm	hypo	CHG	-0.6467
Gm20	42068070	42068168	Gmdrm	hypo	CHG	-0.5614
Gm20	42068507	42068746	Gmdrm	hypo	CHG	-0.6033
Gm20	42069235	42069417	Gmdrm	hypo	CHG	-0.7225
Gm20	42069951	42070134	Gmdrm	hypo	CHG	-0.873
Gm20	42072682	42072846	Gmdrm	hypo	CHG	-0.056
Gm20	42073150	42073379	Gmdrm	hypo	CHG	-0.055
Gm20	42081560	42081849	Gmdrm	hypo	CHG	-0.0911
Gm20	42085141	42085319	Gmdrm	hypo	CHG	-0.0567
Gm20	42087896	42088052	Gmdrm	hypo	CHG	-0.5815
Gm20	42088170	42088599	Gmdrm	hypo	CHG	-0.3979
Gm20	42090586	42090744	Gmdrm	hypo	CHG	-0.4527
Gm20	42090901	42091362	Gmdrm	hypo	CHG	-0.4645
Gm20	42096287	42096453	Gmdrm	hypo	CHG	-0.0771
Gm20	42116236	42116402	Gmdrm	hypo	CHG	-0.052
Gm20	42135231	42135321	Gmdrm	hypo	CHG	-0.7211
Gm20	42135436	42135474	Gmdrm	hypo	CHG	-0.545
Gm20	42139230	42139472	Gmdrm	hypo	CHG	-0.343
Gm20	42164923	42165054	Gmdrm	hypo	CHG	-0.44
Gm20	42183096	42183239	Gmdrm	hypo	CHG	-0.5543
Gm20	42225644	42225853	Gmdrm	hypo	CHG	-0.0317
Gm20	42239760	42239977	Gmdrm	hypo	CHG	-0.584
Gm20	42240096	42240289	Gmdrm	hypo	CHG	-0.24
Gm20	42240394	42240640	Gmdrm	hypo	CHG	-0.3794
Gm20	42240798	42240959	Gmdrm	hypo	CHG	-0.5279
Gm20	42250144	42250402	Gmdrm	hypo	CHG	-0.0299
Gm20	42251284	42251430	Gmdrm	hypo	CHG	-0.1214
Gm20	42261605	42262091	Gmdrm	hypo	CHG	-0.2732
Gm20	42262354	42262493	Gmdrm	hypo	CHG	-0.042
Gm20	42288975	42289167	Gmdrm	hypo	CHG	-0.0284
Gm20	42299126	42299318	Gmdrm	hypo	CHG	-0.7414
Gm20	42299527	42299675	Gmdrm	hypo	CHG	-0.7885

Gm20	42299919	42299966	Gmdrm	hypo	CHG	-0.098
Gm20	42311338	42311588	Gmdrm	hypo	CHG	-0.04
Gm20	42312731	42312971	Gmdrm	hypo	CHG	-0.2463
Gm20	42313095	42313190	Gmdrm	hypo	CHG	-0.488
Gm20	42330320	42330404	Gmdrm	hypo	CHG	-0.136
Gm20	42352175	42352445	Gmdrm	hypo	CHG	-0.7454
Gm20	42396088	42396314	Gmdrm	hypo	CHG	-0.03
Gm20	42397994	42398207	Gmdrm	hypo	CHG	-0.3195
Gm20	42399382	42399534	Gmdrm	hypo	CHG	-0.0372
Gm20	42425137	42425411	Gmdrm	hypo	CHG	-0.8342
Gm20	42450456	42450561	Gmdrm	hypo	CHG	-0.7288
Gm20	42450709	42450808	Gmdrm	hypo	CHG	-0.598
Gm20	42450985	42451185	Gmdrm	hypo	CHG	-0.792
Gm20	42451328	42451604	Gmdrm	hypo	CHG	-0.42
Gm20	42460542	42460640	Gmdrm	hypo	CHG	-0.03
Gm20	42474399	42474543	Gmdrm	hypo	CHG	-0.3517
Gm20	42475535	42475703	Gmdrm	hypo	CHG	-0.682
Gm20	42477431	42477661	Gmdrm	hypo	CHG	-0.6109
Gm20	42481675	42481763	Gmdrm	hypo	CHG	-0.0843
Gm20	42488509	42488649	Gmdrm	hypo	CHG	-0.79
Gm20	42489899	42490075	Gmdrm	hypo	CHG	-0.4763
Gm20	42512449	42512688	Gmdrm	hypo	CHG	-0.4017
Gm20	42523529	42523645	Gmdrm	hypo	CHG	-0.436
Gm20	42525796	42526001	Gmdrm	hypo	CHG	-0.6364
Gm20	42540875	42541001	Gmdrm	hypo	CHG	-0.6625
Gm20	42541140	42541193	Gmdrm	hypo	CHG	-0.8
Gm20	42542000	42542173	Gmdrm	hypo	CHG	-0.759
Gm20	42542418	42542485	Gmdrm	hypo	CHG	-0.2115
Gm20	42543666	42543709	Gmdrm	hypo	CHG	-0.3986
Gm20	42555186	42555247	Gmdrm	hypo	CHG	-0.85
Gm20	42557076	42557126	Gmdrm	hypo	CHG	-0.2483
Gm20	42576214	42576372	Gmdrm	hypo	CHG	-0.1357
Gm20	42576518	42576639	Gmdrm	hypo	CHG	-0.0529
Gm20	42581566	42581786	Gmdrm	hypo	CHG	-0.036
Gm20	42592988	42593160	Gmdrm	hypo	CHG	-0.4067
Gm20	42593980	42594071	Gmdrm	hypo	CHG	-0.75
Gm20	42594742	42594977	Gmdrm	hypo	CHG	-0.7722
Gm20	42628069	42628249	Gmdrm	hypo	CHG	-0.0386
Gm20	42643742	42643996	Gmdrm	hypo	CHG	-0.0822
Gm20	42644327	42644551	Gmdrm	hypo	CHG	-0.03
Gm20	42646688	42646872	Gmdrm	hypo	CHG	-0.0486
Gm20	42659139	42659189	Gmdrm	hypo	CHG	-0.694
Gm20	42660846	42661000	Gmdrm	hypo	CHG	-0.25
Gm20	42662762	42662849	Gmdrm	hypo	CHG	-0.6112
Gm20	42687181	42687360	Gmdrm	hypo	CHG	-0.3764
Gm20	42687554	42687891	Gmdrm	hypo	CHG	-0.4375

Gm20	42695814	42696176	Gmdrm	hypo	CHG	-0.5386
Gm20	42696840	42697129	Gmdrm	hypo	CHG	-0.17
Gm20	42699121	42699449	Gmdrm	hypo	CHG	-0.4233
Gm20	42700660	42701455	Gmdrm	hypo	CHG	-0.6909
Gm20	42701584	42701716	Gmdrm	hypo	CHG	-0.745
Gm20	42738296	42738520	Gmdrm	hypo	CHG	-0.6558
Gm20	42738622	42738758	Gmdrm	hypo	CHG	-0.7172
Gm20	42754075	42754237	Gmdrm	hypo	CHG	-0.1929
Gm20	42765443	42765579	Gmdrm	hypo	CHG	-0.076
Gm20	42789020	42789539	Gmdrm	hypo	CHG	-0.8911
Gm20	42789748	42790111	Gmdrm	hypo	CHG	-0.4264
Gm20	42793735	42793819	Gmdrm	hypo	CHG	-0.3583
Gm20	42795755	42796260	Gmdrm	hypo	CHG	-0.3358
Gm20	42797962	42798044	Gmdrm	hypo	CHG	-0.06
Gm20	42798893	42799154	Gmdrm	hypo	CHG	-0.281
Gm20	42799267	42799322	Gmdrm	hypo	CHG	-0.414
Gm20	42803701	42804320	Gmdrm	hypo	CHG	-0.022
Gm20	42822310	42822490	Gmdrm	hypo	CHG	-0.2863
Gm20	42825151	42825948	Gmdrm	hypo	CHG	-0.3942
Gm20	42832922	42833137	Gmdrm	hypo	CHG	-0.4167
Gm20	42835013	42835632	Gmdrm	hypo	CHG	-0.7996
Gm20	42853619	42853838	Gmdrm	hypo	CHG	-0.6737
Gm20	42855128	42855168	Gmdrm	hypo	CHG	-0.8938
Gm20	42864503	42864537	Gmdrm	hypo	CHG	-0.575
Gm20	42865728	42865824	Gmdrm	hypo	CHG	-0.604
Gm20	42887081	42887157	Gmdrm	hypo	CHG	-0.2125
Gm20	42889564	42889749	Gmdrm	hypo	CHG	-0.04
Gm20	42918742	42918852	Gmdrm	hypo	CHG	-0.2518
Gm20	42938135	42938169	Gmdrm	hypo	CHG	-0.062
Gm20	42957247	42958218	Gmdrm	hypo	CHG	-0.7271
Gm20	42961877	42962080	Gmdrm	hypo	CHG	-0.0717
Gm20	43003996	43004157	Gmdrm	hypo	CHG	-0.4572
Gm20	43037841	43038086	Gmdrm	hypo	CHG	-0.612
Gm20	43038210	43038433	Gmdrm	hypo	CHG	-0.6735
Gm20	43039568	43039667	Gmdrm	hypo	CHG	-0.6633
Gm20	43054690	43054861	Gmdrm	hypo	CHG	-0.4584
Gm20	43055334	43055403	Gmdrm	hypo	CHG	-0.6466
Gm20	43055526	43055711	Gmdrm	hypo	CHG	-0.5443
Gm20	43055816	43055892	Gmdrm	hypo	CHG	-0.41
Gm20	43056255	43056466	Gmdrm	hypo	CHG	-0.2311
Gm20	43118139	43118198	Gmdrm	hypo	CHG	-0.823
Gm20	43118374	43118525	Gmdrm	hypo	CHG	-0.8387
Gm20	43126371	43126516	Gmdrm	hypo	CHG	-0.5225
Gm20	43175419	43175598	Gmdrm	hypo	CHG	-0.03
Gm20	43193038	43193252	Gmdrm	hypo	CHG	-0.5878
Gm20	43193453	43193759	Gmdrm	hypo	CHG	-0.8057

Gm20	43194743	43195461	Gmdrm	hypo	CHG	-0.5004
Gm20	43199921	43200092	Gmdrm	hypo	CHG	-0.0525
Gm20	43202706	43203101	Gmdrm	hypo	CHG	-0.4632
Gm20	43204693	43204914	Gmdrm	hypo	CHG	-0.0322
Gm20	43210760	43210970	Gmdrm	hypo	CHG	-0.07
Gm20	43222553	43222920	Gmdrm	hypo	CHG	-0.0276
Gm20	43225351	43225455	Gmdrm	hypo	CHG	-0.0314
Gm20	43228469	43228491	Gmdrm	hypo	CHG	-0.494
Gm20	43232469	43232543	Gmdrm	hypo	CHG	-0.034
Gm20	43256281	43256360	Gmdrm	hypo	CHG	-0.6388
Gm20	43280748	43280792	Gmdrm	hypo	CHG	-0.1857
Gm20	43291701	43291753	Gmdrm	hypo	CHG	-0.11
Gm20	43303250	43303546	Gmdrm	hypo	CHG	-0.0483
Gm20	43309474	43309595	Gmdrm	hypo	CHG	-0.062
Gm20	43339698	43339833	Gmdrm	hypo	CHG	-0.066
Gm20	43344224	43344499	Gmdrm	hypo	CHG	-0.5157
Gm20	43345597	43345982	Gmdrm	hypo	CHG	-0.7655
Gm20	43351128	43351350	Gmdrm	hypo	CHG	-0.0433
Gm20	43360695	43360850	Gmdrm	hypo	CHG	-0.038
Gm20	43361361	43361926	Gmdrm	hypo	CHG	-0.5662
Gm20	43370526	43371412	Gmdrm	hypo	CHG	-0.4475
Gm20	43371528	43371692	Gmdrm	hypo	CHG	-0.69
Gm20	43372046	43372132	Gmdrm	hypo	CHG	-0.39
Gm20	43372237	43372393	Gmdrm	hypo	CHG	-0.1813
Gm20	43372499	43372614	Gmdrm	hypo	CHG	-0.0657
Gm20	43373464	43373736	Gmdrm	hypo	CHG	-0.3794
Gm20	43377667	43377952	Gmdrm	hypo	CHG	-0.315
Gm20	43382646	43382805	Gmdrm	hypo	CHG	-0.036
Gm20	43394406	43394437	Gmdrm	hypo	CHG	-0.482
Gm20	43401071	43401398	Gmdrm	hypo	CHG	-0.4827
Gm20	43419873	43419903	Gmdrm	hypo	CHG	-0.53
Gm20	43435523	43435638	Gmdrm	hypo	CHG	-0.865
Gm20	43435987	43436107	Gmdrm	hypo	CHG	-0.8325
Gm20	43449667	43449943	Gmdrm	hypo	CHG	-0.88
Gm20	43450236	43450319	Gmdrm	hypo	CHG	-0.838
Gm20	43459600	43459714	Gmdrm	hypo	CHG	-0.0612
Gm20	43461537	43462027	Gmdrm	hypo	CHG	-0.669
Gm20	43467468	43467939	Gmdrm	hypo	CHG	-0.0369
Gm20	43475005	43475151	Gmdrm	hypo	CHG	-0.358
Gm20	43476124	43476448	Gmdrm	hypo	CHG	-0.62
Gm20	43488166	43488503	Gmdrm	hypo	CHG	-0.04
Gm20	43490897	43491219	Gmdrm	hypo	CHG	-0.0678
Gm20	43514493	43514585	Gmdrm	hypo	CHG	-0.08
Gm20	43550473	43550715	Gmdrm	hypo	CHG	-0.09
Gm20	43562353	43563348	Gmdrm	hypo	CHG	-0.1615
Gm20	43571763	43571877	Gmdrm	hypo	CHG	-0.044

Gm20	43577453	43577661	Gmdrm	hypo	CHG	-0.04
Gm20	43591493	43591779	Gmdrm	hypo	CHG	-0.2045
Gm20	43596275	43596468	Gmdrm	hypo	CHG	-0.705
Gm20	43597068	43597205	Gmdrm	hypo	CHG	-0.7017
Gm20	43635136	43635215	Gmdrm	hypo	CHG	-0.624
Gm20	43635339	43635657	Gmdrm	hypo	CHG	-0.1381
Gm20	43636261	43636573	Gmdrm	hypo	CHG	-0.1921
Gm20	43636793	43636939	Gmdrm	hypo	CHG	-0.775
Gm20	43639230	43639269	Gmdrm	hypo	CHG	-0.0615
Gm20	43647516	43648007	Gmdrm	hypo	CHG	-0.5104
Gm20	43651589	43652059	Gmdrm	hypo	CHG	-0.5311
Gm20	43669564	43669818	Gmdrm	hypo	CHG	-0.0556
Gm20	43670497	43670984	Gmdrm	hypo	CHG	-0.2686
Gm20	43676987	43677175	Gmdrm	hypo	CHG	-0.03
Gm20	43699223	43699425	Gmdrm	hypo	CHG	-0.2237
Gm20	43703543	43703823	Gmdrm	hypo	CHG	-0.5781
Gm20	43730803	43730985	Gmdrm	hypo	CHG	-0.042
Gm20	43741374	43741459	Gmdrm	hypo	CHG	-0.044
Gm20	43753286	43753431	Gmdrm	hypo	CHG	-0.7514
Gm20	43757875	43757985	Gmdrm	hypo	CHG	-0.8689
Gm20	43758921	43759112	Gmdrm	hypo	CHG	-0.718
Gm20	43759621	43759789	Gmdrm	hypo	CHG	-0.1209
Gm20	43760015	43760297	Gmdrm	hypo	CHG	-0.5808
Gm20	43767081	43767242	Gmdrm	hypo	CHG	-0.507
Gm20	43767348	43767607	Gmdrm	hypo	CHG	-0.5689
Gm20	43778447	43778682	Gmdrm	hypo	CHG	-0.516
Gm20	43785490	43785778	Gmdrm	hypo	CHG	-0.04
Gm20	43789056	43789431	Gmdrm	hypo	CHG	-0.05
Gm20	43790300	43790407	Gmdrm	hypo	CHG	-0.04
Gm20	43796216	43796444	Gmdrm	hypo	CHG	-0.6754
Gm20	43796599	43796686	Gmdrm	hypo	CHG	-0.4342
Gm20	43812235	43812280	Gmdrm	hypo	CHG	-0.7572
Gm20	43812386	43812733	Gmdrm	hypo	CHG	-0.7742
Gm20	43812844	43812899	Gmdrm	hypo	CHG	-0.6
Gm20	43816397	43816530	Gmdrm	hypo	CHG	-0.1843
Gm20	43821246	43821447	Gmdrm	hypo	CHG	-0.065
Gm20	43844274	43844392	Gmdrm	hypo	CHG	-0.048
Gm20	43855011	43855159	Gmdrm	hypo	CHG	-0.695
Gm20	43862572	43862789	Gmdrm	hypo	CHG	-0.6589
Gm20	43865272	43865281	Gmdrm	hypo	CHG	-0.886
Gm20	43893389	43893769	Gmdrm	hypo	CHG	-0.5284
Gm20	43893963	43894051	Gmdrm	hypo	CHG	-0.7667
Gm20	43894243	43894509	Gmdrm	hypo	CHG	-0.7622
Gm20	43897912	43898043	Gmdrm	hypo	CHG	-0.2989
Gm20	43927683	43928016	Gmdrm	hypo	CHG	-0.0433
Gm20	43933097	43933158	Gmdrm	hypo	CHG	-0.464

Gm20	43954791	43955325	Gmdrm	hypo	CHG	-0.2536
Gm20	43958465	43958646	Gmdrm	hypo	CHG	-0.5875
Gm20	43958875	43959023	Gmdrm	hypo	CHG	-0.8194
Gm20	43966415	43966604	Gmdrm	hypo	CHG	-0.426
Gm20	43967113	43967481	Gmdrm	hypo	CHG	-0.6795
Gm20	43978276	43978677	Gmdrm	hypo	CHG	-0.7227
Gm20	44004856	44005193	Gmdrm	hypo	CHG	-0.7126
Gm20	44006834	44006999	Gmdrm	hypo	CHG	-0.045
Gm20	44012236	44012289	Gmdrm	hypo	CHG	-0.6766
Gm20	44023055	44023359	Gmdrm	hypo	CHG	-0.0371
Gm20	44051522	44051711	Gmdrm	hypo	CHG	-0.7
Gm20	44065874	44065967	Gmdrm	hypo	CHG	-0.6212
Gm20	44070225	44070374	Gmdrm	hypo	CHG	-0.252
Gm20	44074692	44074881	Gmdrm	hypo	CHG	-0.2054
Gm20	44079406	44079734	Gmdrm	hypo	CHG	-0.77
Gm20	44079851	44080046	Gmdrm	hypo	CHG	-0.8289
Gm20	44085872	44085976	Gmdrm	hypo	CHG	-0.66
Gm20	44101832	44101951	Gmdrm	hypo	CHG	-0.7483
Gm20	44102073	44102183	Gmdrm	hypo	CHG	-0.7715
Gm20	44103773	44103828	Gmdrm	hypo	CHG	-0.614
Gm20	44105742	44105964	Gmdrm	hypo	CHG	-0.315
Gm20	44113130	44113307	Gmdrm	hypo	CHG	-0.0517
Gm20	44117993	44118028	Gmdrm	hypo	CHG	-0.1
Gm20	44121414	44121495	Gmdrm	hypo	CHG	-0.68
Gm20	44129983	44130061	Gmdrm	hypo	CHG	-0.0389
Gm20	44143522	44143932	Gmdrm	hypo	CHG	-0.0575
Gm20	44161037	44161299	Gmdrm	hypo	CHG	-0.6916
Gm20	44164005	44164826	Gmdrm	hypo	CHG	-0.0283
Gm20	44168916	44169111	Gmdrm	hypo	CHG	-0.1433
Gm20	44169619	44169790	Gmdrm	hypo	CHG	-0.0484
Gm20	44182591	44182743	Gmdrm	hypo	CHG	-0.76
Gm20	44185774	44185920	Gmdrm	hypo	CHG	-0.054
Gm20	44188155	44188603	Gmdrm	hypo	CHG	-0.0318
Gm20	44191509	44191699	Gmdrm	hypo	CHG	-0.6238
Gm20	44191954	44192058	Gmdrm	hypo	CHG	-0.695
Gm20	44201959	44202107	Gmdrm	hypo	CHG	-0.7849
Gm20	44241712	44242198	Gmdrm	hypo	CHG	-0.1859
Gm20	44242936	44243468	Gmdrm	hypo	CHG	-0.1641
Gm20	44277805	44278164	Gmdrm	hypo	CHG	-0.5629
Gm20	44285240	44285274	Gmdrm	hypo	CHG	-0.048
Gm20	44314447	44314694	Gmdrm	hypo	CHG	-0.18
Gm20	44333796	44334428	Gmdrm	hypo	CHG	-0.4717
Gm20	44334641	44334695	Gmdrm	hypo	CHG	-0.9483
Gm20	44334817	44334922	Gmdrm	hypo	CHG	-0.885
Gm20	44335135	44335242	Gmdrm	hypo	CHG	-0.0688
Gm20	44346052	44346185	Gmdrm	hypo	CHG	-0.5733

Gm20	44371089	44371226 Gmdrm	hypo	CHG	-0.7188
Gm20	44380574	44380700 Gmdrm	hypo	CHG	-0.0317
Gm20	44390459	44391079 Gmdrm	hypo	CHG	-0.0554
Gm20	44406531	44406805 Gmdrm	hypo	CHG	-0.485
Gm20	44413205	44413400 Gmdrm	hypo	CHG	-0.045
Gm20	44415861	44416031 Gmdrm	hypo	CHG	-0.688
Gm20	44445237	44445353 Gmdrm	hypo	CHG	-0.6011
Gm20	44449986	44450217 Gmdrm	hypo	CHG	-0.0575
Gm20	44472381	44472756 Gmdrm	hypo	CHG	-0.3415
Gm20	44473152	44473290 Gmdrm	hypo	CHG	-0.5383
Gm20	44473426	44473573 Gmdrm	hypo	CHG	-0.5389
Gm20	44485744	44485759 Gmdrm	hypo	CHG	-0.4067
Gm20	44501280	44501603 Gmdrm	hypo	CHG	-0.7359
Gm20	44509136	44509277 Gmdrm	hypo	CHG	-0.7213
Gm20	44509588	44509767 Gmdrm	hypo	CHG	-0.8246
Gm20	44509875	44510015 Gmdrm	hypo	CHG	-0.6289
Gm20	44526489	44526838 Gmdrm	hypo	CHG	-0.2962
Gm20	44527831	44527932 Gmdrm	hypo	CHG	-0.3837
Gm20	44562662	44563122 Gmdrm	hypo	CHG	-0.045
Gm20	44563523	44563634 Gmdrm	hypo	CHG	-0.05
Gm20	44579252	44579444 Gmdrm	hypo	CHG	-0.032
Gm20	44586613	44587581 Gmdrm	hypo	CHG	-0.3359
Gm20	44595259	44595388 Gmdrm	hypo	CHG	-0.9066
Gm20	44598890	44598950 Gmdrm	hypo	CHG	-0.478
Gm20	44599723	44600100 Gmdrm	hypo	CHG	-0.8043
Gm20	44601598	44601944 Gmdrm	hypo	CHG	-0.6944
Gm20	44602638	44602742 Gmdrm	hypo	CHG	-0.57
Gm20	44621909	44622064 Gmdrm	hypo	CHG	-0.821
Gm20	44622355	44622574 Gmdrm	hypo	CHG	-0.84
Gm20	44633193	44633574 Gmdrm	hypo	CHG	-0.1964
Gm20	44638848	44639085 Gmdrm	hypo	CHG	-0.1644
Gm20	44646521	44646563 Gmdrm	hypo	CHG	-0.7413
Gm20	44646707	44646837 Gmdrm	hypo	CHG	-0.7767
Gm20	44664959	44665071 Gmdrm	hypo	CHG	-0.7117
Gm20	44673926	44674485 Gmdrm	hypo	CHG	-0.3391
Gm20	44685344	44685571 Gmdrm	hypo	CHG	-0.4282
Gm20	44691694	44691915 Gmdrm	hypo	CHG	-0.701
Gm20	44764509	44764574 Gmdrm	hypo	CHG	-0.725
Gm20	44771746	44772001 Gmdrm	hypo	CHG	-0.5178
Gm20	44778000	44778141 Gmdrm	hypo	CHG	-0.5425
Gm20	44789925	44790125 Gmdrm	hypo	CHG	-0.07
Gm20	44796593	44796705 Gmdrm	hypo	CHG	-0.67
Gm20	44797587	44797865 Gmdrm	hypo	CHG	-0.6743
Gm20	44802092	44802280 Gmdrm	hypo	CHG	-0.0529
Gm20	44804633	44804662 Gmdrm	hypo	CHG	-0.1571
Gm20	44804784	44804922 Gmdrm	hypo	CHG	-0.058

Gm20	44824773	44824908	Gmdrm	hypo	CHG	-0.032
Gm20	44832523	44832697	Gmdrm	hypo	CHG	-0.7086
Gm20	44833167	44833405	Gmdrm	hypo	CHG	-0.6985
Gm20	44850433	44850643	Gmdrm	hypo	CHG	-0.06
Gm20	44856578	44856689	Gmdrm	hypo	CHG	-0.4329
Gm20	44876797	44876960	Gmdrm	hypo	CHG	-0.7647
Gm20	44883882	44883915	Gmdrm	hypo	CHG	-0.05
Gm20	44889678	44889801	Gmdrm	hypo	CHG	-0.8688
Gm20	44914148	44914323	Gmdrm	hypo	CHG	-0.0613
Gm20	44927895	44927947	Gmdrm	hypo	CHG	-0.7467
Gm20	44931137	44931316	Gmdrm	hypo	CHG	-0.5227
Gm20	44936876	44937117	Gmdrm	hypo	CHG	-0.0333
Gm20	44939283	44939569	Gmdrm	hypo	CHG	-0.3788
Gm20	44947098	44947688	Gmdrm	hypo	CHG	-0.1944
Gm20	44956211	44956341	Gmdrm	hypo	CHG	-0.072
Gm20	44958826	44959134	Gmdrm	hypo	CHG	-0.4986
Gm20	44988776	44988832	Gmdrm	hypo	CHG	-0.04
Gm20	44989398	44990001	Gmdrm	hypo	CHG	-0.3864
Gm20	45005829	45006216	Gmdrm	hypo	CHG	-0.7883
Gm20	45006350	45006450	Gmdrm	hypo	CHG	-0.9143
Gm20	45006576	45006653	Gmdrm	hypo	CHG	-0.6957
Gm20	45016142	45016399	Gmdrm	hypo	CHG	-0.0314
Gm20	45018697	45018779	Gmdrm	hypo	CHG	-0.785
Gm20	45018899	45019278	Gmdrm	hypo	CHG	-0.4089
Gm20	45024396	45024808	Gmdrm	hypo	CHG	-0.5893
Gm20	45034827	45034867	Gmdrm	hypo	CHG	-0.656
Gm20	45035100	45035197	Gmdrm	hypo	CHG	-0.565
Gm20	45044301	45044444	Gmdrm	hypo	CHG	-0.056
Gm20	45051866	45052084	Gmdrm	hypo	CHG	-0.042
Gm20	45063818	45064063	Gmdrm	hypo	CHG	-0.7022
Gm20	45064180	45064368	Gmdrm	hypo	CHG	-0.8089
Gm20	45064485	45064601	Gmdrm	hypo	CHG	-0.6314
Gm20	45092066	45092158	Gmdrm	hypo	CHG	-0.0971
Gm20	45100185	45100250	Gmdrm	hypo	CHG	-0.034
Gm20	45109090	45109372	Gmdrm	hypo	CHG	-0.0267
Gm20	45112715	45112863	Gmdrm	hypo	CHG	-0.755
Gm20	45153963	45154250	Gmdrm	hypo	CHG	-0.4515
Gm20	45161281	45161394	Gmdrm	hypo	CHG	-0.62
Gm20	45167017	45167061	Gmdrm	hypo	CHG	-0.471
Gm20	45177932	45178044	Gmdrm	hypo	CHG	-0.026
Gm20	45203095	45203256	Gmdrm	hypo	CHG	-0.046
Gm20	45216881	45216889	Gmdrm	hypo	CHG	-0.22
Gm20	45244012	45244312	Gmdrm	hypo	CHG	-0.396
Gm20	45254986	45255149	Gmdrm	hypo	CHG	-0.035
Gm20	45256489	45256583	Gmdrm	hypo	CHG	-0.2457
Gm20	45261828	45261887	Gmdrm	hypo	CHG	-0.524

Gm20	45296092	45296205	Gmdrm	hypo	CHG	-0.735
Gm20	45296383	45296494	Gmdrm	hypo	CHG	-0.772
Gm20	45300029	45300223	Gmdrm	hypo	CHG	-0.321
Gm20	45321766	45322109	Gmdrm	hypo	CHG	-0.7885
Gm20	45322352	45322772	Gmdrm	hypo	CHG	-0.591
Gm20	45355469	45355537	Gmdrm	hypo	CHG	-0.8617
Gm20	45355690	45355748	Gmdrm	hypo	CHG	-0.8316
Gm20	45363559	45363750	Gmdrm	hypo	CHG	-0.2233
Gm20	45403163	45403366	Gmdrm	hypo	CHG	-0.2975
Gm20	45424179	45424430	Gmdrm	hypo	CHG	-0.5089
Gm20	45425652	45425933	Gmdrm	hypo	CHG	-0.0282
Gm20	45426345	45426634	Gmdrm	hypo	CHG	-0.05
Gm20	45428123	45428277	Gmdrm	hypo	CHG	-0.408
Gm20	45430527	45431219	Gmdrm	hypo	CHG	-0.0242
Gm20	45444696	45444868	Gmdrm	hypo	CHG	-0.805
Gm20	45446646	45446794	Gmdrm	hypo	CHG	-0.8855
Gm20	45447802	45447857	Gmdrm	hypo	CHG	-0.45
Gm20	45453182	45453297	Gmdrm	hypo	CHG	-0.068
Gm20	45459687	45459704	Gmdrm	hypo	CHG	-0.058
Gm20	45462996	45463040	Gmdrm	hypo	CHG	-0.0567
Gm20	45507351	45507561	Gmdrm	hypo	CHG	-0.7326
Gm20	45508567	45508787	Gmdrm	hypo	CHG	-0.0367
Gm20	45511547	45511641	Gmdrm	hypo	CHG	-0.7943
Gm20	45512434	45512571	Gmdrm	hypo	CHG	-0.0657
Gm20	45517445	45517510	Gmdrm	hypo	CHG	-0.1283
Gm20	45522227	45522453	Gmdrm	hypo	CHG	-0.2726
Gm20	45527279	45527461	Gmdrm	hypo	CHG	-0.04
Gm20	45531326	45531407	Gmdrm	hypo	CHG	-0.035
Gm20	45538660	45538958	Gmdrm	hypo	CHG	-0.3892
Gm20	45539269	45539518	Gmdrm	hypo	CHG	-0.3877
Gm20	45546143	45546734	Gmdrm	hypo	CHG	-0.0617
Gm20	45558141	45558231	Gmdrm	hypo	CHG	-0.0714
Gm20	45561138	45561450	Gmdrm	hypo	CHG	-0.5966
Gm20	45583804	45583871	Gmdrm	hypo	CHG	-0.5388
Gm20	45584007	45584360	Gmdrm	hypo	CHG	-0.387
Gm20	45605181	45605522	Gmdrm	hypo	CHG	-0.3094
Gm20	45613014	45613047	Gmdrm	hypo	CHG	-0.736
Gm20	45620517	45620665	Gmdrm	hypo	CHG	-0.1743
Gm20	45622145	45622333	Gmdrm	hypo	CHG	-0.5138
Gm20	45659935	45660193	Gmdrm	hypo	CHG	-0.7985
Gm20	45663263	45663449	Gmdrm	hypo	CHG	-0.9122
Gm20	45682575	45682716	Gmdrm	hypo	CHG	-0.126
Gm20	45686229	45686453	Gmdrm	hypo	CHG	-0.4063
Gm20	45718932	45719021	Gmdrm	hypo	CHG	-0.052
Gm20	45744004	45744110	Gmdrm	hypo	CHG	-0.6928
Gm20	45750019	45750091	Gmdrm	hypo	CHG	-0.0483

Gm20	45765319	45765441	Gmdrm	hypo	CHG	-0.5734
Gm20	45767103	45767245	Gmdrm	hypo	CHG	-0.745
Gm20	45813600	45813779	Gmdrm	hypo	CHG	-0.0466
Gm20	45826246	45826604	Gmdrm	hypo	CHG	-0.7625
Gm20	45849269	45849390	Gmdrm	hypo	CHG	-0.2328
Gm20	45851762	45852226	Gmdrm	hypo	CHG	-0.2913
Gm20	45871651	45871975	Gmdrm	hypo	CHG	-0.4965
Gm20	45872471	45872634	Gmdrm	hypo	CHG	-0.8163
Gm20	45872746	45872990	Gmdrm	hypo	CHG	-0.7387
Gm20	45873233	45873311	Gmdrm	hypo	CHG	-0.5457
Gm20	45889328	45889917	Gmdrm	hypo	CHG	-0.0414
Gm20	45892257	45892516	Gmdrm	hypo	CHG	-0.6475
Gm20	45893422	45893565	Gmdrm	hypo	CHG	-0.0743
Gm20	45925672	45925832	Gmdrm	hypo	CHG	-0.325
Gm20	45934445	45934594	Gmdrm	hypo	CHG	-0.582
Gm20	45936052	45936336	Gmdrm	hypo	CHG	-0.8909
Gm20	45950446	45950753	Gmdrm	hypo	CHG	-0.46
Gm20	45985867	45986021	Gmdrm	hypo	CHG	-0.8634
Gm20	45986171	45986313	Gmdrm	hypo	CHG	-0.6382
Gm20	45986425	45986707	Gmdrm	hypo	CHG	-0.8833
Gm20	45993626	45993768	Gmdrm	hypo	CHG	-0.622
Gm20	45994071	45994200	Gmdrm	hypo	CHG	-0.4414
Gm20	45994363	45994654	Gmdrm	hypo	CHG	-0.4434
Gm20	45996096	45996163	Gmdrm	hypo	CHG	-0.752
Gm20	46002503	46002574	Gmdrm	hypo	CHG	-0.49
Gm20	46005383	46005932	Gmdrm	hypo	CHG	-0.4019
Gm20	46013154	46013185	Gmdrm	hypo	CHG	-0.1386
Gm20	46014631	46014924	Gmdrm	hypo	CHG	-0.0411
Gm20	46018130	46018328	Gmdrm	hypo	CHG	-0.0434
Gm20	46051155	46051259	Gmdrm	hypo	CHG	-0.0557
Gm20	46056204	46056335	Gmdrm	hypo	CHG	-0.09
Gm20	46057557	46057879	Gmdrm	hypo	CHG	-0.2413
Gm20	46071376	46072363	Gmdrm	hypo	CHG	-0.2734
Gm20	46072404	46072783	Gmdrm	hypo	CHG	-0.4172
Gm20	46073316	46073803	Gmdrm	hypo	CHG	-0.09
Gm20	46079318	46079444	Gmdrm	hypo	CHG	-0.9533
Gm20	46079808	46079881	Gmdrm	hypo	CHG	-0.7117
Gm20	46083910	46084063	Gmdrm	hypo	CHG	-0.2012
Gm20	46085955	46086101	Gmdrm	hypo	CHG	-0.5738
Gm20	46095705	46096267	Gmdrm	hypo	CHG	-0.3719
Gm20	46096598	46097530	Gmdrm	hypo	CHG	-0.2117
Gm20	46099163	46099886	Gmdrm	hypo	CHG	-0.1372
Gm20	46100210	46100355	Gmdrm	hypo	CHG	-0.05
Gm20	46100539	46100631	Gmdrm	hypo	CHG	-0.075
Gm20	46100972	46101967	Gmdrm	hypo	CHG	-0.1904
Gm20	46107212	46107538	Gmdrm	hypo	CHG	-0.1664

Gm20	46121369	46121469	Gmdrm	hypo	CHG	-0.114
Gm20	46121598	46122597	Gmdrm	hypo	CHG	-0.092
Gm20	46127810	46128180	Gmdrm	hypo	CHG	-0.1178
Gm20	46128306	46128835	Gmdrm	hypo	CHG	-0.0727
Gm20	46131675	46131995	Gmdrm	hypo	CHG	-0.0467
Gm20	46142740	46142791	Gmdrm	hypo	CHG	-0.7
Gm20	46144274	46144421	Gmdrm	hypo	CHG	-0.0383
Gm20	46151320	46151532	Gmdrm	hypo	CHG	-0.6159
Gm20	46177314	46177842	Gmdrm	hypo	CHG	-0.2486
Gm20	46182989	46183007	Gmdrm	hypo	CHG	-0.474
Gm20	46206970	46207089	Gmdrm	hypo	CHG	-0.3034
Gm20	46212753	46212828	Gmdrm	hypo	CHG	-0.048
Gm20	46216929	46217599	Gmdrm	hypo	CHG	-0.4631
Gm20	46222890	46223057	Gmdrm	hypo	CHG	-0.7163
Gm20	46232259	46232450	Gmdrm	hypo	CHG	-0.0329
Gm20	46235924	46236193	Gmdrm	hypo	CHG	-0.03
Gm20	46253474	46253527	Gmdrm	hypo	CHG	-0.056
Gm20	46255274	46255479	Gmdrm	hypo	CHG	-0.8027
Gm20	46264533	46265192	Gmdrm	hypo	CHG	-0.3343
Gm20	46266264	46266608	Gmdrm	hypo	CHG	-0.3827
Gm20	46266749	46267015	Gmdrm	hypo	CHG	-0.3093
Gm20	46267140	46267197	Gmdrm	hypo	CHG	-0.222
Gm20	46267558	46267895	Gmdrm	hypo	CHG	-0.1893
Gm20	46275785	46276021	Gmdrm	hypo	CHG	-0.0745
Gm20	46277757	46277985	Gmdrm	hypo	CHG	-0.0486
Gm20	46312775	46312909	Gmdrm	hypo	CHG	-0.044
Gm20	46318981	46319185	Gmdrm	hypo	CHG	-0.5112
Gm20	46342142	46342389	Gmdrm	hypo	CHG	-0.5954
Gm20	46342565	46342786	Gmdrm	hypo	CHG	-0.3362
Gm20	46359693	46359919	Gmdrm	hypo	CHG	-0.8033
Gm20	46360259	46360316	Gmdrm	hypo	CHG	-0.906
Gm20	46363784	46364035	Gmdrm	hypo	CHG	-0.9426
Gm20	46365005	46365372	Gmdrm	hypo	CHG	-0.8795
Gm20	46380928	46381222	Gmdrm	hypo	CHG	-0.0917
Gm20	46411870	46412002	Gmdrm	hypo	CHG	-0.3476
Gm20	46415888	46416163	Gmdrm	hypo	CHG	-0.8507
Gm20	46416296	46416375	Gmdrm	hypo	CHG	-0.7883
Gm20	46416498	46416572	Gmdrm	hypo	CHG	-0.714
Gm20	46425269	46425376	Gmdrm	hypo	CHG	-0.7217
Gm20	46425696	46426059	Gmdrm	hypo	CHG	-0.8271
Gm20	46435419	46435562	Gmdrm	hypo	CHG	-0.5567
Gm20	46464874	46465652	Gmdrm	hypo	CHG	-0.2118
Gm20	46467294	46468293	Gmdrm	hypo	CHG	-0.1878
Gm20	46480416	46480538	Gmdrm	hypo	CHG	-0.3157
Gm20	46498172	46498242	Gmdrm	hypo	CHG	-0.15
Gm20	46502338	46502425	Gmdrm	hypo	CHG	-0.0463

Gm20	46518355	46518725	Gmdrm	hypo	CHG	-0.0265
Gm20	46524484	46524632	Gmdrm	hypo	CHG	-0.038
Gm20	46529215	46529478	Gmdrm	hypo	CHG	-0.1025
Gm20	46536110	46536300	Gmdrm	hypo	CHG	-0.4345
Gm20	46536972	46537420	Gmdrm	hypo	CHG	-0.6665
Gm20	46538182	46538284	Gmdrm	hypo	CHG	-0.5266
Gm20	46538715	46538777	Gmdrm	hypo	CHG	-0.8387
Gm20	46542408	46542627	Gmdrm	hypo	CHG	-0.048
Gm20	46548891	46549098	Gmdrm	hypo	CHG	-0.0633
Gm20	46582821	46582896	Gmdrm	hypo	CHG	-0.392
Gm20	46593357	46593465	Gmdrm	hypo	CHG	-0.106
Gm20	46601070	46601444	Gmdrm	hypo	CHG	-0.5041
Gm20	46604278	46604436	Gmdrm	hypo	CHG	-0.6327
Gm20	46625285	46625611	Gmdrm	hypo	CHG	-0.0463
Gm20	46631575	46631717	Gmdrm	hypo	CHG	-0.3214
Gm20	46651841	46652007	Gmdrm	hypo	CHG	-0.0383
Gm20	46652981	46653263	Gmdrm	hypo	CHG	-0.2216
Gm20	46653381	46654268	Gmdrm	hypo	CHG	-0.5219
Gm20	46655339	46655400	Gmdrm	hypo	CHG	-0.9014
Gm20	46655684	46655820	Gmdrm	hypo	CHG	-0.8464
Gm20	46657021	46657207	Gmdrm	hypo	CHG	-0.062
Gm20	46660588	46661443	Gmdrm	hypo	CHG	-0.3777
Gm20	46689311	46689398	Gmdrm	hypo	CHG	-0.048
Gm20	46696890	46697404	Gmdrm	hypo	CHG	-0.3306
Gm20	46704500	46704626	Gmdrm	hypo	CHG	-0.7886
Gm20	46704914	46704942	Gmdrm	hypo	CHG	-0.516
Gm20	46705655	46705773	Gmdrm	hypo	CHG	-0.576
Gm20	46738657	46738881	Gmdrm	hypo	CHG	-0.13
Gm20	46743730	46744211	Gmdrm	hypo	CHG	-0.2934
Gm20	46746155	46746455	Gmdrm	hypo	CHG	-0.0429
Gm20	46747976	46748202	Gmdrm	hypo	CHG	-0.1125
Gm20	46756980	46757096	Gmdrm	hypo	CHG	-0.426
Gm20	46769601	46769720	Gmdrm	hypo	CHG	-0.476
Gm20	46771334	46771486	Gmdrm	hypo	CHG	-0.3591
Gm20	46816630	46816884	Gmdrm	hypo	CHG	-0.0963
Gm20	46833887	46834300	Gmdrm	hypo	CHG	-0.885
Gm20	46839293	46839567	Gmdrm	hypo	CHG	-0.0364
Gm20	46840212	46840512	Gmdrm	hypo	CHG	-0.0434
Gm20	46845427	46845475	Gmdrm	hypo	CHG	-0.06
Gm20	46870792	46870859	Gmdrm	hypo	CHG	-0.052
Gm20	46880631	46880788	Gmdrm	hypo	CHG	-0.6529
Gm20	46881210	46881597	Gmdrm	hypo	CHG	-0.2918
Gm20	46883697	46883789	Gmdrm	hypo	CHG	-0.4344
Gm20	46884205	46884332	Gmdrm	hypo	CHG	-0.3489
Gm20	46889191	46889320	Gmdrm	hypo	CHG	-0.69
Gm20	46889426	46889902	Gmdrm	hypo	CHG	-0.323

Gm20	46894382	46894484	Gmdrm	hypo	CHG	-0.6511
Gm20	46897029	46897255	Gmdrm	hypo	CHG	-0.4951
Gm20	46909466	46909622	Gmdrm	hypo	CHG	-0.456
Gm20	46912526	46912594	Gmdrm	hypo	CHG	-0.042
Gm20	46920938	46920984	Gmdrm	hypo	CHG	-0.2667
Gm20	46951725	46951869	Gmdrm	hypo	CHG	-0.1057
Gm20	46951994	46952061	Gmdrm	hypo	CHG	-0.488
Gm20	46952936	46953799	Gmdrm	hypo	CHG	-0.3044
Gm20	46973971	46974156	Gmdrm	hypo	CHG	-0.6356
Gm20	46993667	46993766	Gmdrm	hypo	CHG	-0.146
Gm20	46993962	46994234	Gmdrm	hypo	CHG	-0.4318
Gm20	47023341	47024325	Gmdrm	hypo	CHG	-0.2542
Gm20	47031700	47032137	Gmdrm	hypo	CHG	-0.0511
Gm20	47050354	47050722	Gmdrm	hypo	CHG	-0.6591
Gm20	47051073	47051597	Gmdrm	hypo	CHG	-0.1676
Gm20	47151231	47151337	Gmdrm	hypo	CHG	-0.5275
Gm20	47151686	47151852	Gmdrm	hypo	CHG	-0.6006
Gm20	47152342	47152382	Gmdrm	hypo	CHG	-0.81
Gm20	47156588	47157009	Gmdrm	hypo	CHG	-0.7393
Gm20	47159913	47160013	Gmdrm	hypo	CHG	-0.5012
Gm20	47160245	47160301	Gmdrm	hypo	CHG	-0.404
Gm20	47160815	47161056	Gmdrm	hypo	CHG	-0.6338
Gm20	47167684	47167892	Gmdrm	hypo	CHG	-0.0375
Gm20	47177649	47177681	Gmdrm	hypo	CHG	-0.044
Gm20	47190491	47190724	Gmdrm	hypo	CHG	-0.688
Gm20	47190875	47191033	Gmdrm	hypo	CHG	-0.8366
Gm20	47191140	47191327	Gmdrm	hypo	CHG	-0.8925
Gm20	47195972	47196590	Gmdrm	hypo	CHG	-0.271
Gm20	47201548	47202490	Gmdrm	hypo	CHG	-0.2635
Gm20	47202554	47202770	Gmdrm	hypo	CHG	-0.3996
Gm20	47202875	47202961	Gmdrm	hypo	CHG	-0.853
Gm20	47212894	47213005	Gmdrm	hypo	CHG	-0.044
Gm20	47213260	47213371	Gmdrm	hypo	CHG	-0.042
Gm20	47226845	47227131	Gmdrm	hypo	CHG	-0.5586
Gm20	47227470	47227679	Gmdrm	hypo	CHG	-0.3162
Gm20	47243726	47243941	Gmdrm	hypo	CHG	-0.0683
Gm20	47253403	47253694	Gmdrm	hypo	CHG	-0.2655
Gm20	47254065	47254079	Gmdrm	hypo	CHG	-0.578
Gm20	47267709	47267862	Gmdrm	hypo	CHG	-0.714
Gm20	47275295	47275530	Gmdrm	hypo	CHG	-0.39
Gm20	47287538	47287858	Gmdrm	hypo	CHG	-0.754
Gm20	47329181	47329375	Gmdrm	hypo	CHG	-0.05
Gm20	47338705	47338941	Gmdrm	hypo	CHG	-0.3008
Gm20	47359557	47359594	Gmdrm	hypo	CHG	-0.9233
Gm20	47371881	47372229	Gmdrm	hypo	CHG	-0.0486
Gm20	47392117	47392310	Gmdrm	hypo	CHG	-0.1244

Gm20	47413040	47413267	Gmdrm	hypo	CHG	-0.7158
Gm20	47413531	47413780	Gmdrm	hypo	CHG	-0.8239
Gm20	47414210	47414291	Gmdrm	hypo	CHG	-0.896
Gm20	47414464	47414548	Gmdrm	hypo	CHG	-0.702
Gm20	47424902	47425821	Gmdrm	hypo	CHG	-0.1165
Gm20	47427035	47427398	Gmdrm	hypo	CHG	-0.3229
Gm20	47427557	47427801	Gmdrm	hypo	CHG	-0.2514
Gm20	47435914	47436027	Gmdrm	hypo	CHG	-0.1651
Gm20	47443189	47443814	Gmdrm	hypo	CHG	-0.2286
Gm20	47445567	47446024	Gmdrm	hypo	CHG	-0.0869
Gm20	47446180	47446537	Gmdrm	hypo	CHG	-0.381
Gm20	47447078	47447247	Gmdrm	hypo	CHG	-0.38
Gm20	47447348	47447830	Gmdrm	hypo	CHG	-0.2454
Gm20	47451620	47452462	Gmdrm	hypo	CHG	-0.2203
Gm20	47452676	47453670	Gmdrm	hypo	CHG	-0.316
Gm20	47453688	47454211	Gmdrm	hypo	CHG	-0.2461
Gm20	47454339	47454815	Gmdrm	hypo	CHG	-0.0544
Gm20	47459966	47460117	Gmdrm	hypo	CHG	-0.3722
Gm20	47468451	47469449	Gmdrm	hypo	CHG	-0.2951
Gm20	47473231	47473542	Gmdrm	hypo	CHG	-0.0269
Gm20	47481459	47481874	Gmdrm	hypo	CHG	-0.1926
Gm20	47494159	47494236	Gmdrm	hypo	CHG	-0.7567
Gm20	47517097	47517630	Gmdrm	hypo	CHG	-0.1433
Gm20	47524210	47524470	Gmdrm	hypo	CHG	-0.4009
Gm20	47530066	47530254	Gmdrm	hypo	CHG	-0.064
Gm20	47572416	47572635	Gmdrm	hypo	CHG	-0.4888
Gm20	47579437	47579849	Gmdrm	hypo	CHG	-0.2196
Gm20	47607590	47607777	Gmdrm	hypo	CHG	-0.04
Gm20	47618804	47618956	Gmdrm	hypo	CHG	-0.6974
Gm20	47621125	47621324	Gmdrm	hypo	CHG	-0.038
Gm20	47642637	47642692	Gmdrm	hypo	CHG	-0.044
Gm20	47665548	47665669	Gmdrm	hypo	CHG	-0.6983
Gm20	47700394	47700480	Gmdrm	hypo	CHG	-0.052
Gm20	47700983	47701052	Gmdrm	hypo	CHG	-0.626
Gm20	47705393	47705649	Gmdrm	hypo	CHG	-0.0375
Gm20	47707530	47707588	Gmdrm	hypo	CHG	-0.494
Gm20	47719313	47719417	Gmdrm	hypo	CHG	-0.1214
Gm20	47722469	47722531	Gmdrm	hypo	CHG	-0.2225
Gm20	47726011	47726147	Gmdrm	hypo	CHG	-0.2214
Gm20	47729133	47729270	Gmdrm	hypo	CHG	-0.12
Gm20	47735764	47735933	Gmdrm	hypo	CHG	-0.1934
Gm20	47758649	47758806	Gmdrm	hypo	CHG	-0.71
Gm20	47758921	47759026	Gmdrm	hypo	CHG	-0.88
Gm20	47788212	47788329	Gmdrm	hypo	CHG	-0.7583
Gm20	47789472	47789579	Gmdrm	hypo	CHG	-0.608
Gm20	47789928	47789983	Gmdrm	hypo	CHG	-0.2817

Gm20	47790200	47790306	Gmdrm	hypo	CHG	-0.7667
Gm20	47790433	47790746	Gmdrm	hypo	CHG	-0.7288
Gm20	47790903	47791005	Gmdrm	hypo	CHG	-0.7967
Gm20	47791352	47791469	Gmdrm	hypo	CHG	-0.715
Gm20	47796691	47797492	Gmdrm	hypo	CHG	-0.144
Gm20	47797612	47797857	Gmdrm	hypo	CHG	-0.3992
Gm20	47803731	47803849	Gmdrm	hypo	CHG	-0.118
Gm20	47813777	47814704	Gmdrm	hypo	CHG	-0.2004
Gm20	47817906	47818207	Gmdrm	hypo	CHG	-0.224
Gm20	47828418	47828734	Gmdrm	hypo	CHG	-0.3136
scaffold_102	41156	41267	Gmdrm	hypo	CHG	-0.33
scaffold_102	42145	42190	Gmdrm	hypo	CHG	-0.492
scaffold_102	55161	55444	Gmdrm	hypo	CHG	-0.275
scaffold_102	57284	58106	Gmdrm	hypo	CHG	-0.536
scaffold_102	66203	66305	Gmdrm	hypo	CHG	-0.33
scaffold_102	67400	67494	Gmdrm	hypo	CHG	-0.5317
scaffold_105	2081	2135	Gmdrm	hypo	CHG	-0.31
scaffold_105	3842	4088	Gmdrm	hypo	CHG	-0.3059
scaffold_109	264	292	Gmdrm	hypo	CHG	-0.3267
scaffold_109	662	867	Gmdrm	hypo	CHG	-0.49
scaffold_110	27120	28060	Gmdrm	hypo	CHG	-0.125
scaffold_110	28124	29124	Gmdrm	hypo	CHG	-0.0961
scaffold_110	29141	30131	Gmdrm	hypo	CHG	-0.0787
scaffold_110	30153	31126	Gmdrm	hypo	CHG	-0.0884
scaffold_110	31179	32178	Gmdrm	hypo	CHG	-0.0631
scaffold_110	32199	33194	Gmdrm	hypo	CHG	-0.1178
scaffold_110	33213	33260	Gmdrm	hypo	CHG	-0.168
scaffold_110	33361	34350	Gmdrm	hypo	CHG	-0.0883
scaffold_110	34368	35312	Gmdrm	hypo	CHG	-0.1084
scaffold_110	35454	36450	Gmdrm	hypo	CHG	-0.0822
scaffold_110	36461	37158	Gmdrm	hypo	CHG	-0.0943
scaffold_110	44402	45222	Gmdrm	hypo	CHG	-0.0825
scaffold_110	49440	50413	Gmdrm	hypo	CHG	-0.0759
scaffold_110	50456	51446	Gmdrm	hypo	CHG	-0.0758
scaffold_110	51480	52474	Gmdrm	hypo	CHG	-0.0403
scaffold_110	54508	55506	Gmdrm	hypo	CHG	-0.0641
scaffold_110	55512	56505	Gmdrm	hypo	CHG	-0.0696
scaffold_110	59480	60456	Gmdrm	hypo	CHG	-0.06
scaffold_110	65495	65751	Gmdrm	hypo	CHG	-0.0422
scaffold_111	31137	31829	Gmdrm	hypo	CHG	-0.1694
scaffold_111	32036	32688	Gmdrm	hypo	CHG	-0.0954
scaffold_111	36591	36893	Gmdrm	hypo	CHG	-0.14
scaffold_111	57816	58426	Gmdrm	hypo	CHG	-0.1041
scaffold_111	59367	59557	Gmdrm	hypo	CHG	-0.2367
scaffold_111	60805	61573	Gmdrm	hypo	CHG	-0.2048
scaffold_117	28366	28469	Gmdrm	hypo	CHG	-0.557

scaffold_117	29010	29059 Gmdrm	hypo	CHG	-0.4333
scaffold_117	29163	29289 Gmdrm	hypo	CHG	-0.5011
scaffold_117	29809	30186 Gmdrm	hypo	CHG	-0.2718
scaffold_117	42950	43145 Gmdrm	hypo	CHG	-0.45
scaffold_117	48255	48434 Gmdrm	hypo	CHG	-0.087
scaffold_118	2439	3061 Gmdrm	hypo	CHG	-0.0244
scaffold_118	6353	6483 Gmdrm	hypo	CHG	-0.084
scaffold_118	12084	12303 Gmdrm	hypo	CHG	-0.08
scaffold_118	13929	13991 Gmdrm	hypo	CHG	-0.1414
scaffold_118	15878	15940 Gmdrm	hypo	CHG	-0.1342
scaffold_118	17048	17238 Gmdrm	hypo	CHG	-0.1511
scaffold_118	17371	17565 Gmdrm	hypo	CHG	-0.145
scaffold_118	17698	17892 Gmdrm	hypo	CHG	-0.1472
scaffold_118	18153	18215 Gmdrm	hypo	CHG	-0.1
scaffold_118	19164	19468 Gmdrm	hypo	CHG	-0.1661
scaffold_118	20528	21065 Gmdrm	hypo	CHG	-0.2389
scaffold_118	21191	21910 Gmdrm	hypo	CHG	-0.24
scaffold_118	22075	23048 Gmdrm	hypo	CHG	-0.39
scaffold_118	23082	23445 Gmdrm	hypo	CHG	-0.2797
scaffold_118	23563	24058 Gmdrm	hypo	CHG	-0.1031
scaffold_118	24919	25437 Gmdrm	hypo	CHG	-0.2105
scaffold_118	25542	25908 Gmdrm	hypo	CHG	-0.2821
scaffold_118	26622	26969 Gmdrm	hypo	CHG	-0.1881
scaffold_118	61129	61679 Gmdrm	hypo	CHG	-0.3494
scaffold_118	62514	62666 Gmdrm	hypo	CHG	-0.227
scaffold_120	1858	2015 Gmdrm	hypo	CHG	-0.2057
scaffold_120	10847	11286 Gmdrm	hypo	CHG	-0.5148
scaffold_120	15291	15385 Gmdrm	hypo	CHG	-0.302
scaffold_120	15496	15743 Gmdrm	hypo	CHG	-0.1213
scaffold_120	21660	21761 Gmdrm	hypo	CHG	-0.1867
scaffold_120	24525	24913 Gmdrm	hypo	CHG	-0.3662
scaffold_120	26315	26570 Gmdrm	hypo	CHG	-0.3337
scaffold_120	28540	28754 Gmdrm	hypo	CHG	-0.5358
scaffold_120	29001	29054 Gmdrm	hypo	CHG	-0.1784
scaffold_120	30100	30222 Gmdrm	hypo	CHG	-0.135
scaffold_120	36114	36403 Gmdrm	hypo	CHG	-0.3545
scaffold_120	36850	37085 Gmdrm	hypo	CHG	-0.1533
scaffold_120	37668	37951 Gmdrm	hypo	CHG	-0.2483
scaffold_120	38081	38374 Gmdrm	hypo	CHG	-0.1075
scaffold_120	46491	46714 Gmdrm	hypo	CHG	-0.1078
scaffold_120	49180	49283 Gmdrm	hypo	CHG	-0.345
scaffold_120	50923	50997 Gmdrm	hypo	CHG	-0.4175
scaffold_120	51276	52028 Gmdrm	hypo	CHG	-0.1689
scaffold_120	52140	52313 Gmdrm	hypo	CHG	-0.2308
scaffold_120	53933	54456 Gmdrm	hypo	CHG	-0.275
scaffold_123	8206	9166 Gmdrm	hypo	CHG	-0.2237

scaffold_123	21508	22069 Gmdrm	hypo	CHG	-0.2327
scaffold_123	22248	22804 Gmdrm	hypo	CHG	-0.2638
scaffold_123	22988	23356 Gmdrm	hypo	CHG	-0.318
scaffold_123	35473	35657 Gmdrm	hypo	CHG	-0.52
scaffold_123	40575	41543 Gmdrm	hypo	CHG	-0.3477
scaffold_123	41589	42049 Gmdrm	hypo	CHG	-0.3285
scaffold_123	43802	44717 Gmdrm	hypo	CHG	-0.3225
scaffold_123	44803	44998 Gmdrm	hypo	CHG	-0.6643
scaffold_123	47919	48848 Gmdrm	hypo	CHG	-0.4841
scaffold_123	51600	52333 Gmdrm	hypo	CHG	-0.4572
scaffold_123	55963	56190 Gmdrm	hypo	CHG	-0.44
scaffold_123	57017	57298 Gmdrm	hypo	CHG	-0.308
scaffold_123	57839	58812 Gmdrm	hypo	CHG	-0.273
scaffold_123	58850	59293 Gmdrm	hypo	CHG	-0.2657
scaffold_123	59456	59632 Gmdrm	hypo	CHG	-0.3537
scaffold_123	59758	59955 Gmdrm	hypo	CHG	-0.3863
scaffold_124	2216	2853 Gmdrm	hypo	CHG	-0.3014
scaffold_124	13867	13898 Gmdrm	hypo	CHG	-0.514
scaffold_124	18258	18523 Gmdrm	hypo	CHG	-0.473
scaffold_124	18653	19638 Gmdrm	hypo	CHG	-0.5585
scaffold_124	19657	19731 Gmdrm	hypo	CHG	-0.416
scaffold_124	20913	21296 Gmdrm	hypo	CHG	-0.4326
scaffold_124	21636	21899 Gmdrm	hypo	CHG	-0.1386
scaffold_124	23842	23964 Gmdrm	hypo	CHG	-0.453
scaffold_124	31358	32314 Gmdrm	hypo	CHG	-0.2477
scaffold_124	33042	33789 Gmdrm	hypo	CHG	-0.2331
scaffold_124	34010	34386 Gmdrm	hypo	CHG	-0.3552
scaffold_124	34988	35946 Gmdrm	hypo	CHG	-0.5348
scaffold_124	36031	36207 Gmdrm	hypo	CHG	-0.468
scaffold_124	36350	36432 Gmdrm	hypo	CHG	-0.3
scaffold_124	36552	36806 Gmdrm	hypo	CHG	-0.3508
scaffold_124	36914	37119 Gmdrm	hypo	CHG	-0.2015
scaffold_124	39079	39536 Gmdrm	hypo	CHG	-0.3691
scaffold_124	39895	40498 Gmdrm	hypo	CHG	-0.3693
scaffold_124	40651	40696 Gmdrm	hypo	CHG	-0.866
scaffold_124	53421	54008 Gmdrm	hypo	CHG	-0.1424
scaffold_124	54138	54598 Gmdrm	hypo	CHG	-0.26
scaffold_124	55558	55973 Gmdrm	hypo	CHG	-0.3454
scaffold_128	12764	13673 Gmdrm	hypo	CHG	-0.1181
scaffold_128	16499	17229 Gmdrm	hypo	CHG	-0.1821
scaffold_128	28095	29095 Gmdrm	hypo	CHG	-0.1233
scaffold_128	29097	30047 Gmdrm	hypo	CHG	-0.128
scaffold_128	41254	41503 Gmdrm	hypo	CHG	-0.2814
scaffold_128	50114	51076 Gmdrm	hypo	CHG	-0.1926
scaffold_128	52663	53623 Gmdrm	hypo	CHG	-0.1883
scaffold_128	53712	53994 Gmdrm	hypo	CHG	-0.255

scaffold_128	57939	58669 Gmdrm	hypo	CHG	-0.1513
scaffold_130	1491	2466 Gmdrm	hypo	CHG	-0.0844
scaffold_130	3939	4445 Gmdrm	hypo	CHG	-0.0854
scaffold_130	6744	7104 Gmdrm	hypo	CHG	-0.1369
scaffold_130	7550	8270 Gmdrm	hypo	CHG	-0.1958
scaffold_130	11567	11841 Gmdrm	hypo	CHG	-0.1928
scaffold_130	13937	14674 Gmdrm	hypo	CHG	-0.1224
scaffold_130	16347	17297 Gmdrm	hypo	CHG	-0.0905
scaffold_137	1723	1895 Gmdrm	hypo	CHG	-0.2535
scaffold_137	2190	2420 Gmdrm	hypo	CHG	-0.1154
scaffold_138	1151	1349 Gmdrm	hypo	CHG	-0.6367
scaffold_138	1509	1623 Gmdrm	hypo	CHG	-0.57
scaffold_138	2116	2208 Gmdrm	hypo	CHG	-0.09
scaffold_138	20791	20868 Gmdrm	hypo	CHG	-0.05
scaffold_138	32769	32799 Gmdrm	hypo	CHG	-0.648
scaffold_141	10140	10196 Gmdrm	hypo	CHG	-0.13
scaffold_143	4863	5128 Gmdrm	hypo	CHG	-0.1578
scaffold_143	5586	5798 Gmdrm	hypo	CHG	-0.275
scaffold_143	11596	11744 Gmdrm	hypo	CHG	-0.1086
scaffold_143	13200	13351 Gmdrm	hypo	CHG	-0.2663
scaffold_143	26245	26999 Gmdrm	hypo	CHG	-0.2039
scaffold_143	27142	28050 Gmdrm	hypo	CHG	-0.1491
scaffold_143	29051	29786 Gmdrm	hypo	CHG	-0.1416
scaffold_143	34094	34424 Gmdrm	hypo	CHG	-0.12
scaffold_143	41238	41534 Gmdrm	hypo	CHG	-0.0846
scaffold_143	44101	44199 Gmdrm	hypo	CHG	-0.2057
scaffold_145	7278	7969 Gmdrm	hypo	CHG	-0.129
scaffold_145	19412	19725 Gmdrm	hypo	CHG	-0.3007
scaffold_145	49802	50215 Gmdrm	hypo	CHG	-0.2085
scaffold_147	42010	42470 Gmdrm	hypo	CHG	-0.2095
scaffold_147	45301	46268 Gmdrm	hypo	CHG	-0.1674
scaffold_149	16012	17010 Gmdrm	hypo	CHG	-0.4287
scaffold_149	18641	19641 Gmdrm	hypo	CHG	-0.2524
scaffold_149	19729	20103 Gmdrm	hypo	CHG	-0.2943
scaffold_149	20212	20394 Gmdrm	hypo	CHG	-0.425
scaffold_149	21110	21375 Gmdrm	hypo	CHG	-0.2987
scaffold_149	32367	32942 Gmdrm	hypo	CHG	-0.142
scaffold_149	33525	34469 Gmdrm	hypo	CHG	-0.3355
scaffold_149	34552	34669 Gmdrm	hypo	CHG	-0.412
scaffold_149	36195	36458 Gmdrm	hypo	CHG	-0.0266
scaffold_149	37441	37599 Gmdrm	hypo	CHG	-0.1411
scaffold_149	38187	38573 Gmdrm	hypo	CHG	-0.1244
scaffold_149	38706	38896 Gmdrm	hypo	CHG	-0.0746
scaffold_151	908	1456 Gmdrm	hypo	CHG	-0.0833
scaffold_151	1727	2450 Gmdrm	hypo	CHG	-0.1394
scaffold_151	4004	4552 Gmdrm	hypo	CHG	-0.2369

scaffold_151	7931	8204 Gmdrm	hypo	CHG	-0.3344
scaffold_151	13800	14222 Gmdrm	hypo	CHG	-0.21
scaffold_151	43268	43734 Gmdrm	hypo	CHG	-0.1584
scaffold_151	43860	44830 Gmdrm	hypo	CHG	-0.147
scaffold_151	45184	46147 Gmdrm	hypo	CHG	-0.1192
scaffold_151	46187	47187 Gmdrm	hypo	CHG	-0.1073
scaffold_151	47189	47471 Gmdrm	hypo	CHG	-0.145
scaffold_152	14089	14200 Gmdrm	hypo	CHG	-0.0967
scaffold_152	15808	16113 Gmdrm	hypo	CHG	-0.1314
scaffold_163	5354	6320 Gmdrm	hypo	CHG	-0.0629
scaffold_163	6388	6601 Gmdrm	hypo	CHG	-0.0825
scaffold_163	8770	8961 Gmdrm	hypo	CHG	-0.21
scaffold_163	15105	15947 Gmdrm	hypo	CHG	-0.133
scaffold_163	23042	23450 Gmdrm	hypo	CHG	-0.1144
scaffold_163	39392	40357 Gmdrm	hypo	CHG	-0.0792
scaffold_164	37610	37884 Gmdrm	hypo	CHG	-0.2971
scaffold_175	9270	10041 Gmdrm	hypo	CHG	-0.141
scaffold_175	42377	42731 Gmdrm	hypo	CHG	-0.2473
scaffold_180	3695	4341 Gmdrm	hypo	CHG	-0.1559
scaffold_180	40589	40923 Gmdrm	hypo	CHG	-0.1524
scaffold_180	41393	41609 Gmdrm	hypo	CHG	-0.139
scaffold_194	3706	3937 Gmdrm	hypo	CHG	-0.0914
scaffold_194	6236	6494 Gmdrm	hypo	CHG	-0.24
scaffold_194	8719	9018 Gmdrm	hypo	CHG	-0.0691
scaffold_194	15861	16843 Gmdrm	hypo	CHG	-0.058
scaffold_194	16929	17929 Gmdrm	hypo	CHG	-0.0458
scaffold_194	20543	21517 Gmdrm	hypo	CHG	-0.0498
scaffold_210	22	679 Gmdrm	hypo	CHG	-0.2411
scaffold_210	31915	32191 Gmdrm	hypo	CHG	-0.2588
scaffold_224	1041	1224 Gmdrm	hypo	CHG	-0.2013
scaffold_224	7306	7604 Gmdrm	hypo	CHG	-0.1227
scaffold_224	22756	23135 Gmdrm	hypo	CHG	-0.2459
scaffold_224	23440	24440 Gmdrm	hypo	CHG	-0.4171
scaffold_224	24442	25424 Gmdrm	hypo	CHG	-0.3525
scaffold_224	25734	26602 Gmdrm	hypo	CHG	-0.2772
scaffold_229	1502	1689 Gmdrm	hypo	CHG	-0.4063
scaffold_229	9952	10151 Gmdrm	hypo	CHG	-0.597
scaffold_229	10483	10819 Gmdrm	hypo	CHG	-0.1821
scaffold_229	12818	13194 Gmdrm	hypo	CHG	-0.2196
scaffold_229	13304	13587 Gmdrm	hypo	CHG	-0.4085
scaffold_229	13951	14012 Gmdrm	hypo	CHG	-0.49
scaffold_229	14242	14433 Gmdrm	hypo	CHG	-0.3986
scaffold_229	15594	15690 Gmdrm	hypo	CHG	-0.3617
scaffold_229	17674	18669 Gmdrm	hypo	CHG	-0.1794
scaffold_229	21611	21650 Gmdrm	hypo	CHG	-0.1742
scaffold_229	21922	22060 Gmdrm	hypo	CHG	-0.238

scaffold_229	25734	25874 Gmdrm	hypo	CHG	-0.2882
scaffold_233	4840	5074 Gmdrm	hypo	CHG	-0.0301
scaffold_233	6675	6882 Gmdrm	hypo	CHG	-0.2531
scaffold_233	11740	12666 Gmdrm	hypo	CHG	-0.3798
scaffold_233	15924	16912 Gmdrm	hypo	CHG	-0.335
scaffold_233	16930	17559 Gmdrm	hypo	CHG	-0.3574
scaffold_233	17704	18084 Gmdrm	hypo	CHG	-0.1881
scaffold_233	18195	18752 Gmdrm	hypo	CHG	-0.2532
scaffold_239	4474	4851 Gmdrm	hypo	CHG	-0.3585
scaffold_24	9388	10380 Gmdrm	hypo	CHG	-0.1736
scaffold_24	11435	12402 Gmdrm	hypo	CHG	-0.1666
scaffold_24	12672	13181 Gmdrm	hypo	CHG	-0.2741
scaffold_24	13312	13512 Gmdrm	hypo	CHG	-0.47
scaffold_24	13633	14037 Gmdrm	hypo	CHG	-0.2484
scaffold_24	14931	15332 Gmdrm	hypo	CHG	-0.2873
scaffold_24	16683	16927 Gmdrm	hypo	CHG	-0.6042
scaffold_24	17059	17492 Gmdrm	hypo	CHG	-0.3114
scaffold_24	21170	21952 Gmdrm	hypo	CHG	-0.2997
scaffold_24	23515	24480 Gmdrm	hypo	CHG	-0.1465
scaffold_24	26131	26367 Gmdrm	hypo	CHG	-0.259
scaffold_24	26988	27639 Gmdrm	hypo	CHG	-0.2359
scaffold_24	27777	28705 Gmdrm	hypo	CHG	-0.165
scaffold_24	47626	48097 Gmdrm	hypo	CHG	-0.2814
scaffold_24	79876	80875 Gmdrm	hypo	CHG	-0.2129
scaffold_24	80881	81619 Gmdrm	hypo	CHG	-0.2208
scaffold_24	84065	85037 Gmdrm	hypo	CHG	-0.1685
scaffold_24	86242	87170 Gmdrm	hypo	CHG	-0.1564
scaffold_24	89052	89838 Gmdrm	hypo	CHG	-0.1647
scaffold_24	145380	145840 Gmdrm	hypo	CHG	-0.1969
scaffold_24	152002	152562 Gmdrm	hypo	CHG	-0.2214
scaffold_24	153153	153312 Gmdrm	hypo	CHG	-0.4142
scaffold_24	185252	186182 Gmdrm	hypo	CHG	-0.1242
scaffold_24	260243	260425 Gmdrm	hypo	CHG	-0.4248
scaffold_24	271554	272554 Gmdrm	hypo	CHG	-0.2042
scaffold_24	272559	273527 Gmdrm	hypo	CHG	-0.2432
scaffold_24	273568	273894 Gmdrm	hypo	CHG	-0.2213
scaffold_24	274308	275271 Gmdrm	hypo	CHG	-0.2882
scaffold_24	275317	276282 Gmdrm	hypo	CHG	-0.2577
scaffold_24	276369	277025 Gmdrm	hypo	CHG	-0.2923
scaffold_24	278245	278464 Gmdrm	hypo	CHG	-0.3454
scaffold_24	289033	290001 Gmdrm	hypo	CHG	-0.1545
scaffold_24	290080	291068 Gmdrm	hypo	CHG	-0.3136
scaffold_24	291090	291544 Gmdrm	hypo	CHG	-0.5504
scaffold_24	291829	292201 Gmdrm	hypo	CHG	-0.4633
scaffold_24	294438	294764 Gmdrm	hypo	CHG	-0.493
scaffold_24	294872	295480 Gmdrm	hypo	CHG	-0.4256

scaffold_24	296362	297360 Gmdrm	hypo	CHG	-0.3798
scaffold_24	297373	297834 Gmdrm	hypo	CHG	-0.4422
scaffold_24	297964	298934 Gmdrm	hypo	CHG	-0.2949
scaffold_24	298975	299209 Gmdrm	hypo	CHG	-0.5236
scaffold_24	299344	300305 Gmdrm	hypo	CHG	-0.3749
scaffold_24	300389	301320 Gmdrm	hypo	CHG	-0.3038
scaffold_24	302681	302879 Gmdrm	hypo	CHG	-0.527
scaffold_24	303325	303928 Gmdrm	hypo	CHG	-0.5254
scaffold_24	304060	304390 Gmdrm	hypo	CHG	-0.4978
scaffold_24	305525	305729 Gmdrm	hypo	CHG	-0.3088
scaffold_24	306564	306796 Gmdrm	hypo	CHG	-0.4917
scaffold_24	306967	307708 Gmdrm	hypo	CHG	-0.3956
scaffold_24	309385	310310 Gmdrm	hypo	CHG	-0.4024
scaffold_24	310590	310908 Gmdrm	hypo	CHG	-0.425
scaffold_24	311955	312324 Gmdrm	hypo	CHG	-0.4348
scaffold_24	329835	330492 Gmdrm	hypo	CHG	-0.2555
scaffold_24	336054	336701 Gmdrm	hypo	CHG	-0.3252
scaffold_24	338403	339367 Gmdrm	hypo	CHG	-0.2307
scaffold_24	340462	341436 Gmdrm	hypo	CHG	-0.1218
scaffold_24	341474	342212 Gmdrm	hypo	CHG	-0.1546
scaffold_24	343648	344189 Gmdrm	hypo	CHG	-0.245
scaffold_24	372060	372412 Gmdrm	hypo	CHG	-0.257
scaffold_24	377176	377254 Gmdrm	hypo	CHG	-0.458
scaffold_24	377676	378010 Gmdrm	hypo	CHG	-0.5156
scaffold_24	382213	382875 Gmdrm	hypo	CHG	-0.1182
scaffold_241	10373	10587 Gmdrm	hypo	CHG	-0.2763
scaffold_25	134475	134726 Gmdrm	hypo	CHG	-0.3636
scaffold_25	134839	134863 Gmdrm	hypo	CHG	-0.6516
scaffold_25	134970	135307 Gmdrm	hypo	CHG	-0.1667
scaffold_253	533	692 Gmdrm	hypo	CHG	-0.4214
scaffold_253	850	945 Gmdrm	hypo	CHG	-0.444
scaffold_253	3791	3831 Gmdrm	hypo	CHG	-0.0557
scaffold_253	5299	6155 Gmdrm	hypo	CHG	-0.2502
scaffold_253	10274	10553 Gmdrm	hypo	CHG	-0.2083
scaffold_253	12025	12339 Gmdrm	hypo	CHG	-0.2543
scaffold_26	126356	126783 Gmdrm	hypo	CHG	-0.2238
scaffold_26	127160	127347 Gmdrm	hypo	CHG	-0.2021
scaffold_26	127641	128020 Gmdrm	hypo	CHG	-0.1245
scaffold_26	133822	134579 Gmdrm	hypo	CHG	-0.0583
scaffold_26	164615	164941 Gmdrm	hypo	CHG	-0.271
scaffold_26	172838	173269 Gmdrm	hypo	CHG	-0.0993
scaffold_26	177272	178047 Gmdrm	hypo	CHG	-0.0832
scaffold_26	287089	287413 Gmdrm	hypo	CHG	-0.1125
scaffold_26	287941	288930 Gmdrm	hypo	CHG	-0.0772
scaffold_26	290876	291106 Gmdrm	hypo	CHG	-0.0962
scaffold_26	291782	292781 Gmdrm	hypo	CHG	-0.0798

scaffold_264	111	691 Gmdrm	hypo	CHG	-0.1547
scaffold_264	7089	7727 Gmdrm	hypo	CHG	-0.1789
scaffold_264	10055	10559 Gmdrm	hypo	CHG	-0.3188
scaffold_264	14591	15464 Gmdrm	hypo	CHG	-0.2339
scaffold_273	2933	2965 Gmdrm	hypo	CHG	-0.1967
scaffold_273	3094	3445 Gmdrm	hypo	CHG	-0.2548
scaffold_273	5383	5751 Gmdrm	hypo	CHG	-0.3466
scaffold_273	15773	16154 Gmdrm	hypo	CHG	-0.5255
scaffold_28	5570	5748 Gmdrm	hypo	CHG	-0.3533
scaffold_28	6031	6998 Gmdrm	hypo	CHG	-0.1982
scaffold_28	35318	35624 Gmdrm	hypo	CHG	-0.178
scaffold_28	45680	46676 Gmdrm	hypo	CHG	-0.1875
scaffold_28	46692	47377 Gmdrm	hypo	CHG	-0.1421
scaffold_28	49961	50910 Gmdrm	hypo	CHG	-0.2012
scaffold_28	52315	53305 Gmdrm	hypo	CHG	-0.1951
scaffold_28	58265	58646 Gmdrm	hypo	CHG	-0.268
scaffold_28	79775	80669 Gmdrm	hypo	CHG	-0.1473
scaffold_28	85511	86299 Gmdrm	hypo	CHG	-0.1597
scaffold_28	88870	89383 Gmdrm	hypo	CHG	-0.1714
scaffold_28	90254	91019 Gmdrm	hypo	CHG	-0.2376
scaffold_28	109323	109975 Gmdrm	hypo	CHG	-0.1725
scaffold_28	112175	113103 Gmdrm	hypo	CHG	-0.1888
scaffold_28	113463	113837 Gmdrm	hypo	CHG	-0.2491
scaffold_28	114667	115127 Gmdrm	hypo	CHG	-0.1913
scaffold_28	120394	121353 Gmdrm	hypo	CHG	-0.1902
scaffold_28	123052	124010 Gmdrm	hypo	CHG	-0.1487
scaffold_28	165213	165952 Gmdrm	hypo	CHG	-0.1239
scaffold_28	166781	166905 Gmdrm	hypo	CHG	-0.06
scaffold_28	231072	231844 Gmdrm	hypo	CHG	-0.087
scaffold_288	5524	5856 Gmdrm	hypo	CHG	-0.215
scaffold_288	7590	7998 Gmdrm	hypo	CHG	-0.1308
scaffold_288	11905	11942 Gmdrm	hypo	CHG	-0.298
scaffold_29	263798	264161 Gmdrm	hypo	CHG	-0.2386
scaffold_29	271929	272894 Gmdrm	hypo	CHG	-0.1415
scaffold_29	273955	274185 Gmdrm	hypo	CHG	-0.3255
scaffold_29	296482	297469 Gmdrm	hypo	CHG	-0.124
scaffold_29	298836	299158 Gmdrm	hypo	CHG	-0.135
scaffold_29	303804	304043 Gmdrm	hypo	CHG	-0.074
scaffold_29	304174	304278 Gmdrm	hypo	CHG	-0.16
scaffold_29	304388	304462 Gmdrm	hypo	CHG	-0.1062
scaffold_303	1583	2582 Gmdrm	hypo	CHG	-0.2418
scaffold_303	2593	2957 Gmdrm	hypo	CHG	-0.1646
scaffold_303	3232	3997 Gmdrm	hypo	CHG	-0.2314
scaffold_303	5176	6138 Gmdrm	hypo	CHG	-0.2318
scaffold_303	6544	7510 Gmdrm	hypo	CHG	-0.1778
scaffold_303	9651	10195 Gmdrm	hypo	CHG	-0.1942

scaffold_303	14191	15155 Gmdrm	hypo	CHG	-0.1726
scaffold_31	40510	40829 Gmdrm	hypo	CHG	-0.1722
scaffold_31	62241	62619 Gmdrm	hypo	CHG	-0.1216
scaffold_31	67776	68078 Gmdrm	hypo	CHG	-0.091
scaffold_31	90257	90525 Gmdrm	hypo	CHG	-0.1254
scaffold_31	108654	109451 Gmdrm	hypo	CHG	-0.1785
scaffold_31	119705	119886 Gmdrm	hypo	CHG	-0.1739
scaffold_31	122434	122535 Gmdrm	hypo	CHG	-0.0886
scaffold_31	153316	153621 Gmdrm	hypo	CHG	-0.0922
scaffold_31	189835	190249 Gmdrm	hypo	CHG	-0.1462
scaffold_31	192199	192803 Gmdrm	hypo	CHG	-0.1931
scaffold_31	195415	196105 Gmdrm	hypo	CHG	-0.1467
scaffold_31	218593	219029 Gmdrm	hypo	CHG	-0.1488
scaffold_31	232879	233099 Gmdrm	hypo	CHG	-0.16
scaffold_31	240642	241608 Gmdrm	hypo	CHG	-0.0991
scaffold_31	275245	275577 Gmdrm	hypo	CHG	-0.2467
scaffold_31	276182	276642 Gmdrm	hypo	CHG	-0.2118
scaffold_31	278567	279073 Gmdrm	hypo	CHG	-0.1325
scaffold_319	3310	4224 Gmdrm	hypo	CHG	-0.2944
scaffold_319	5544	6102 Gmdrm	hypo	CHG	-0.4062
scaffold_319	6394	6626 Gmdrm	hypo	CHG	-0.32
scaffold_319	6752	6940 Gmdrm	hypo	CHG	-0.142
scaffold_32	8911	9017 Gmdrm	hypo	CHG	-0.2078
scaffold_32	15991	16958 Gmdrm	hypo	CHG	-0.1263
scaffold_327	3893	4091 Gmdrm	hypo	CHG	-0.6017
scaffold_328	13367	13554 Gmdrm	hypo	CHG	-0.6672
scaffold_33	6099	6396 Gmdrm	hypo	CHG	-0.0738
scaffold_34	11088	11327 Gmdrm	hypo	CHG	-0.1991
scaffold_34	28984	29705 Gmdrm	hypo	CHG	-0.0863
scaffold_34	30044	30726 Gmdrm	hypo	CHG	-0.1155
scaffold_34	38443	38713 Gmdrm	hypo	CHG	-0.1118
scaffold_34	81168	81531 Gmdrm	hypo	CHG	-0.18
scaffold_36	90574	90778 Gmdrm	hypo	CHG	-0.315
scaffold_36	106149	106409 Gmdrm	hypo	CHG	-0.1093
scaffold_36	108485	108698 Gmdrm	hypo	CHG	-0.1709
scaffold_36	111899	112397 Gmdrm	hypo	CHG	-0.1646
scaffold_37	104254	105231 Gmdrm	hypo	CHG	-0.1527
scaffold_37	105288	106281 Gmdrm	hypo	CHG	-0.1663
scaffold_37	113976	114178 Gmdrm	hypo	CHG	-0.3645
scaffold_37	120473	121461 Gmdrm	hypo	CHG	-0.1238
scaffold_37	121503	122503 Gmdrm	hypo	CHG	-0.1559
scaffold_37	129456	130420 Gmdrm	hypo	CHG	-0.0807
scaffold_37	158735	158992 Gmdrm	hypo	CHG	-0.1814
scaffold_37	164148	165141 Gmdrm	hypo	CHG	-0.0978
scaffold_37	165164	165582 Gmdrm	hypo	CHG	-0.1396
scaffold_37	166002	166972 Gmdrm	hypo	CHG	-0.1555

scaffold_37	170484	171476 Gmdrm	hypo	CHG	-0.1504
scaffold_37	171527	172140 Gmdrm	hypo	CHG	-0.1326
scaffold_37	174291	174674 Gmdrm	hypo	CHG	-0.1212
scaffold_37	174812	175156 Gmdrm	hypo	CHG	-0.1145
scaffold_37	175257	175555 Gmdrm	hypo	CHG	-0.1832
scaffold_37	175700	175995 Gmdrm	hypo	CHG	-0.1158
scaffold_37	179056	179384 Gmdrm	hypo	CHG	-0.2882
scaffold_37	179751	180156 Gmdrm	hypo	CHG	-0.0916
scaffold_37	181438	181728 Gmdrm	hypo	CHG	-0.2472
scaffold_37	181925	182025 Gmdrm	hypo	CHG	-0.2183
scaffold_37	183939	184411 Gmdrm	hypo	CHG	-0.0937
scaffold_37	187859	188856 Gmdrm	hypo	CHG	-0.0464
scaffold_37	190182	190387 Gmdrm	hypo	CHG	-0.184
scaffold_37	197723	198169 Gmdrm	hypo	CHG	-0.1384
scaffold_37	209648	210110 Gmdrm	hypo	CHG	-0.0726
scaffold_422	4121	4247 Gmdrm	hypo	CHG	-0.4154
scaffold_436	4695	4946 Gmdrm	hypo	CHG	-0.2791
scaffold_436	5718	5938 Gmdrm	hypo	CHG	-0.13
scaffold_436	10183	10206 Gmdrm	hypo	CHG	-0.37
scaffold_44	33225	33827 Gmdrm	hypo	CHG	-0.1546
scaffold_44	45394	45721 Gmdrm	hypo	CHG	-0.256
scaffold_44	51241	51965 Gmdrm	hypo	CHG	-0.2116
scaffold_44	53143	54141 Gmdrm	hypo	CHG	-0.2159
scaffold_44	54144	54656 Gmdrm	hypo	CHG	-0.2384
scaffold_44	58527	58813 Gmdrm	hypo	CHG	-0.4173
scaffold_44	66092	66466 Gmdrm	hypo	CHG	-0.2607
scaffold_44	66680	67278 Gmdrm	hypo	CHG	-0.3038
scaffold_44	81215	81539 Gmdrm	hypo	CHG	-0.3452
scaffold_44	81770	82760 Gmdrm	hypo	CHG	-0.2109
scaffold_44	88427	89407 Gmdrm	hypo	CHG	-0.3062
scaffold_44	91722	92178 Gmdrm	hypo	CHG	-0.287
scaffold_44	94588	95054 Gmdrm	hypo	CHG	-0.2537
scaffold_44	97869	98863 Gmdrm	hypo	CHG	-0.3333
scaffold_44	99274	100204 Gmdrm	hypo	CHG	-0.488
scaffold_44	100299	100889 Gmdrm	hypo	CHG	-0.4406
scaffold_44	101070	101685 Gmdrm	hypo	CHG	-0.3825
scaffold_44	101790	102244 Gmdrm	hypo	CHG	-0.542
scaffold_44	102374	103152 Gmdrm	hypo	CHG	-0.1508
scaffold_44	104195	105171 Gmdrm	hypo	CHG	-0.3552
scaffold_44	105268	106264 Gmdrm	hypo	CHG	-0.4512
scaffold_44	106271	106532 Gmdrm	hypo	CHG	-0.4707
scaffold_44	106726	107651 Gmdrm	hypo	CHG	-0.4767
scaffold_44	107748	108739 Gmdrm	hypo	CHG	-0.414
scaffold_44	108792	109113 Gmdrm	hypo	CHG	-0.6086
scaffold_44	109237	109397 Gmdrm	hypo	CHG	-0.401
scaffold_44	109711	110134 Gmdrm	hypo	CHG	-0.3276

scaffold_44	110494	111461 Gmdrm	hypo	CHG	-0.3632
scaffold_44	111628	112601 Gmdrm	hypo	CHG	-0.497
scaffold_44	112644	113078 Gmdrm	hypo	CHG	-0.4141
scaffold_44	113225	113470 Gmdrm	hypo	CHG	-0.5963
scaffold_44	113786	114761 Gmdrm	hypo	CHG	-0.4467
scaffold_44	114828	115148 Gmdrm	hypo	CHG	-0.4847
scaffold_44	116368	116829 Gmdrm	hypo	CHG	-0.4439
scaffold_44	116949	117132 Gmdrm	hypo	CHG	-0.5985
scaffold_44	117378	117877 Gmdrm	hypo	CHG	-0.467
scaffold_44	118114	118841 Gmdrm	hypo	CHG	-0.4197
scaffold_44	118956	119080 Gmdrm	hypo	CHG	-0.515
scaffold_44	119183	119252 Gmdrm	hypo	CHG	-0.654
scaffold_44	120047	120617 Gmdrm	hypo	CHG	-0.4336
scaffold_44	120903	121321 Gmdrm	hypo	CHG	-0.5186
scaffold_44	121486	121735 Gmdrm	hypo	CHG	-0.555
scaffold_44	121919	122750 Gmdrm	hypo	CHG	-0.4842
scaffold_44	123298	124298 Gmdrm	hypo	CHG	-0.1886
scaffold_44	124300	124807 Gmdrm	hypo	CHG	-0.2035
scaffold_44	124938	125933 Gmdrm	hypo	CHG	-0.3106
scaffold_44	127206	128133 Gmdrm	hypo	CHG	-0.3175
scaffold_44	128208	128937 Gmdrm	hypo	CHG	-0.2645
scaffold_44	129534	129850 Gmdrm	hypo	CHG	-0.4187
scaffold_44	130610	131338 Gmdrm	hypo	CHG	-0.2856
scaffold_44	134077	135069 Gmdrm	hypo	CHG	-0.2419
scaffold_44	136163	136488 Gmdrm	hypo	CHG	-0.2663
scaffold_44	139684	140675 Gmdrm	hypo	CHG	-0.2717
scaffold_44	141066	141609 Gmdrm	hypo	CHG	-0.2605
scaffold_44	143040	144023 Gmdrm	hypo	CHG	-0.2475
scaffold_44	144743	145016 Gmdrm	hypo	CHG	-0.2436
scaffold_44	146067	146382 Gmdrm	hypo	CHG	-0.2184
scaffold_44	149946	150444 Gmdrm	hypo	CHG	-0.375
scaffold_44	150666	151412 Gmdrm	hypo	CHG	-0.3934
scaffold_44	152525	152869 Gmdrm	hypo	CHG	-0.4018
scaffold_44	152976	153571 Gmdrm	hypo	CHG	-0.4079
scaffold_44	153685	154680 Gmdrm	hypo	CHG	-0.4638
scaffold_44	154691	154851 Gmdrm	hypo	CHG	-0.506
scaffold_44	154970	155316 Gmdrm	hypo	CHG	-0.4607
scaffold_44	155541	155622 Gmdrm	hypo	CHG	-0.3786
scaffold_44	155810	156120 Gmdrm	hypo	CHG	-0.5188
scaffold_44	156306	157287 Gmdrm	hypo	CHG	-0.3265
scaffold_44	157315	158002 Gmdrm	hypo	CHG	-0.3643
scaffold_44	158213	158750 Gmdrm	hypo	CHG	-0.33
scaffold_44	159878	160723 Gmdrm	hypo	CHG	-0.5093
scaffold_44	160874	161231 Gmdrm	hypo	CHG	-0.3837
scaffold_44	162053	162402 Gmdrm	hypo	CHG	-0.2846
scaffold_44	169703	170158 Gmdrm	hypo	CHG	-0.4963

scaffold_44	173194	173449 Gmdrm	hypo	CHG	-0.4784
scaffold_44	175095	175201 Gmdrm	hypo	CHG	-0.5
scaffold_44	175346	176346 Gmdrm	hypo	CHG	-0.5553
scaffold_44	176348	176934 Gmdrm	hypo	CHG	-0.5723
scaffold_44	177395	178395 Gmdrm	hypo	CHG	-0.4841
scaffold_44	178401	179241 Gmdrm	hypo	CHG	-0.524
scaffold_44	188198	188347 Gmdrm	hypo	CHG	-0.46
scaffold_44	188463	188783 Gmdrm	hypo	CHG	-0.53
scaffold_44	189857	190843 Gmdrm	hypo	CHG	-0.5142
scaffold_44	190865	191816 Gmdrm	hypo	CHG	-0.4409
scaffold_44	191886	192876 Gmdrm	hypo	CHG	-0.4498
scaffold_44	193266	193626 Gmdrm	hypo	CHG	-0.671
scaffold_44	193944	194324 Gmdrm	hypo	CHG	-0.6426
scaffold_44	194458	194804 Gmdrm	hypo	CHG	-0.3933
scaffold_44	195775	196750 Gmdrm	hypo	CHG	-0.4742
scaffold_44	196776	197045 Gmdrm	hypo	CHG	-0.511
scaffold_44	197193	197633 Gmdrm	hypo	CHG	-0.4362
scaffold_44	197776	198553 Gmdrm	hypo	CHG	-0.4379
scaffold_44	198845	199797 Gmdrm	hypo	CHG	-0.4633
scaffold_44	199847	200425 Gmdrm	hypo	CHG	-0.4623
scaffold_44	201039	201403 Gmdrm	hypo	CHG	-0.5706
scaffold_449	1816	1869 Gmdrm	hypo	CHG	-0.9125
scaffold_46	2163	2558 Gmdrm	hypo	CHG	-0.1365
scaffold_46	5282	6233 Gmdrm	hypo	CHG	-0.1324
scaffold_46	7919	8917 Gmdrm	hypo	CHG	-0.1164
scaffold_46	8928	9928 Gmdrm	hypo	CHG	-0.0758
scaffold_46	10784	11784 Gmdrm	hypo	CHG	-0.1181
scaffold_46	27991	28237 Gmdrm	hypo	CHG	-0.2009
scaffold_46	53461	53836 Gmdrm	hypo	CHG	-0.1853
scaffold_46	64948	65085 Gmdrm	hypo	CHG	-0.1263
scaffold_46	108225	108409 Gmdrm	hypo	CHG	-0.374
scaffold_461	3448	4255 Gmdrm	hypo	CHG	-0.189
scaffold_461	8590	8749 Gmdrm	hypo	CHG	-0.264
scaffold_461	9029	9368 Gmdrm	hypo	CHG	-0.1681
scaffold_47	50528	50755 Gmdrm	hypo	CHG	-0.2522
scaffold_47	55163	55473 Gmdrm	hypo	CHG	-0.2964
scaffold_47	56701	56928 Gmdrm	hypo	CHG	-0.2912
scaffold_47	58255	59254 Gmdrm	hypo	CHG	-0.3007
scaffold_47	59289	59851 Gmdrm	hypo	CHG	-0.2543
scaffold_47	60240	60759 Gmdrm	hypo	CHG	-0.23
scaffold_47	61113	61884 Gmdrm	hypo	CHG	-0.2178
scaffold_47	62435	63164 Gmdrm	hypo	CHG	-0.3048
scaffold_47	65841	66571 Gmdrm	hypo	CHG	-0.2932
scaffold_47	66789	67112 Gmdrm	hypo	CHG	-0.237
scaffold_47	132754	133754 Gmdrm	hypo	CHG	-0.0797
scaffold_47	163861	164861 Gmdrm	hypo	CHG	-0.0641

scaffold_475	3119	3272 Gmdrm	hypo	CHG	-0.555
scaffold_478	5340	6319 Gmdrm	hypo	CHG	-0.1828
scaffold_478	6346	6412 Gmdrm	hypo	CHG	-0.4956
scaffold_478	6569	6628 Gmdrm	hypo	CHG	-0.8963
scaffold_478	9567	9643 Gmdrm	hypo	CHG	-0.648
scaffold_478	10378	10522 Gmdrm	hypo	CHG	-0.273
scaffold_489	1196	2157 Gmdrm	hypo	CHG	-0.2038
scaffold_489	6053	7025 Gmdrm	hypo	CHG	-0.1924
scaffold_489	7058	8032 Gmdrm	hypo	CHG	-0.2363
scaffold_489	8063	9035 Gmdrm	hypo	CHG	-0.1177
scaffold_489	9065	9345 Gmdrm	hypo	CHG	-0.2044
scaffold_489	10346	10951 Gmdrm	hypo	CHG	-0.3193
scaffold_506	1693	1826 Gmdrm	hypo	CHG	-0.386
scaffold_506	2024	2566 Gmdrm	hypo	CHG	-0.2645
scaffold_506	2988	3259 Gmdrm	hypo	CHG	-0.6122
scaffold_506	8946	9157 Gmdrm	hypo	CHG	-0.03
scaffold_508	1730	2009 Gmdrm	hypo	CHG	-0.2974
scaffold_508	10967	11074 Gmdrm	hypo	CHG	-0.136
scaffold_518	1511	2337 Gmdrm	hypo	CHG	-0.1119
scaffold_52	267	648 Gmdrm	hypo	CHG	-0.3373
scaffold_52	9168	9774 Gmdrm	hypo	CHG	-0.1693
scaffold_52	12335	13307 Gmdrm	hypo	CHG	-0.1427
scaffold_52	13386	14359 Gmdrm	hypo	CHG	-0.1442
scaffold_52	14400	14864 Gmdrm	hypo	CHG	-0.2943
scaffold_52	15275	15690 Gmdrm	hypo	CHG	-0.2594
scaffold_52	15912	16879 Gmdrm	hypo	CHG	-0.2072
scaffold_52	16915	17880 Gmdrm	hypo	CHG	-0.2504
scaffold_52	17921	18441 Gmdrm	hypo	CHG	-0.3574
scaffold_52	35530	36001 Gmdrm	hypo	CHG	-0.3573
scaffold_52	37798	38796 Gmdrm	hypo	CHG	-0.2511
scaffold_52	38799	39784 Gmdrm	hypo	CHG	-0.1939
scaffold_52	39812	40766 Gmdrm	hypo	CHG	-0.1286
scaffold_52	40831	41583 Gmdrm	hypo	CHG	-0.184
scaffold_52	41775	42770 Gmdrm	hypo	CHG	-0.1785
scaffold_52	45407	46138 Gmdrm	hypo	CHG	-0.1089
scaffold_52	46281	46615 Gmdrm	hypo	CHG	-0.2444
scaffold_52	47803	48174 Gmdrm	hypo	CHG	-0.0945
scaffold_52	96179	96354 Gmdrm	hypo	CHG	-0.2173
scaffold_52	102615	103603 Gmdrm	hypo	CHG	-0.113
scaffold_52	119026	119260 Gmdrm	hypo	CHG	-0.22
scaffold_52	124415	125411 Gmdrm	hypo	CHG	-0.213
scaffold_52	125429	126429 Gmdrm	hypo	CHG	-0.1515
scaffold_52	126431	127362 Gmdrm	hypo	CHG	-0.1243
scaffold_540	1565	2257 Gmdrm	hypo	CHG	-0.1697
scaffold_540	2894	3550 Gmdrm	hypo	CHG	-0.2731
scaffold_540	4831	5654 Gmdrm	hypo	CHG	-0.1988

scaffold_540	6715	7708 Gmdrm	hypo	CHG	-0.2326
scaffold_540	7722	8133 Gmdrm	hypo	CHG	-0.26
scaffold_540	8703	9153 Gmdrm	hypo	CHG	-0.291
scaffold_540	9284	9981 Gmdrm	hypo	CHG	-0.1463
scaffold_56	36588	36958 Gmdrm	hypo	CHG	-0.1561
scaffold_56	145233	146229 Gmdrm	hypo	CHG	-0.0943
scaffold_56	147277	147776 Gmdrm	hypo	CHG	-0.1295
scaffold_60	25136	25549 Gmdrm	hypo	CHG	-0.4039
scaffold_60	25741	26254 Gmdrm	hypo	CHG	-0.377
scaffold_60	105311	105691 Gmdrm	hypo	CHG	-0.2531
scaffold_64	4122	4294 Gmdrm	hypo	CHG	-0.374
scaffold_64	8711	9707 Gmdrm	hypo	CHG	-0.1225
scaffold_64	9713	9902 Gmdrm	hypo	CHG	-0.27
scaffold_64	10314	11285 Gmdrm	hypo	CHG	-0.1358
scaffold_64	13680	14399 Gmdrm	hypo	CHG	-0.1135
scaffold_64	16141	16977 Gmdrm	hypo	CHG	-0.1838
scaffold_64	54387	55353 Gmdrm	hypo	CHG	-0.1964
scaffold_64	55391	56043 Gmdrm	hypo	CHG	-0.337
scaffold_64	56180	56686 Gmdrm	hypo	CHG	-0.2978
scaffold_64	57981	58497 Gmdrm	hypo	CHG	-0.3283
scaffold_64	58609	59529 Gmdrm	hypo	CHG	-0.282
scaffold_64	59619	60590 Gmdrm	hypo	CHG	-0.2666
scaffold_64	62790	63756 Gmdrm	hypo	CHG	-0.1634
scaffold_64	64020	64988 Gmdrm	hypo	CHG	-0.2221
scaffold_64	66034	66901 Gmdrm	hypo	CHG	-0.1732
scaffold_64	67853	68233 Gmdrm	hypo	CHG	-0.1963
scaffold_64	83383	84208 Gmdrm	hypo	CHG	-0.1877
scaffold_64	84353	85275 Gmdrm	hypo	CHG	-0.1793
scaffold_64	91354	92322 Gmdrm	hypo	CHG	-0.3135
scaffold_64	94408	94827 Gmdrm	hypo	CHG	-0.2689
scaffold_64	120166	120949 Gmdrm	hypo	CHG	-0.2623
scaffold_64	121552	122042 Gmdrm	hypo	CHG	-0.1832
scaffold_64	122180	122869 Gmdrm	hypo	CHG	-0.2783
scaffold_73	9547	9923 Gmdrm	hypo	CHG	-0.2273
scaffold_73	12174	12916 Gmdrm	hypo	CHG	-0.2976
scaffold_73	31386	31695 Gmdrm	hypo	CHG	-0.5259
scaffold_73	40300	40444 Gmdrm	hypo	CHG	-0.384
scaffold_73	40565	40866 Gmdrm	hypo	CHG	-0.33
scaffold_73	42011	42291 Gmdrm	hypo	CHG	-0.5175
scaffold_73	44283	44639 Gmdrm	hypo	CHG	-0.3592
scaffold_73	46315	46576 Gmdrm	hypo	CHG	-0.183
scaffold_73	48190	48334 Gmdrm	hypo	CHG	-0.2934
scaffold_73	50649	50901 Gmdrm	hypo	CHG	-0.3591
scaffold_73	51998	52072 Gmdrm	hypo	CHG	-0.2716
scaffold_73	54928	55502 Gmdrm	hypo	CHG	-0.3959
scaffold_73	55628	56363 Gmdrm	hypo	CHG	-0.3181

scaffold_73	57193	58190 Gmdrm	hypo	CHG	-0.2204
scaffold_73	59309	59493 Gmdrm	hypo	CHG	-0.3333
scaffold_73	60375	60679 Gmdrm	hypo	CHG	-0.4431
scaffold_73	61703	62374 Gmdrm	hypo	CHG	-0.3324
scaffold_73	67507	68066 Gmdrm	hypo	CHG	-0.1682
scaffold_73	91428	91621 Gmdrm	hypo	CHG	-0.312
scaffold_73	93630	94617 Gmdrm	hypo	CHG	-0.2429
scaffold_73	96490	97474 Gmdrm	hypo	CHG	-0.202
scaffold_73	100629	101600 Gmdrm	hypo	CHG	-0.1697
scaffold_73	101641	102611 Gmdrm	hypo	CHG	-0.17
scaffold_82	3813	3929 Gmdrm	hypo	CHG	-0.3714
scaffold_82	5306	5680 Gmdrm	hypo	CHG	-0.3138
scaffold_82	11796	12165 Gmdrm	hypo	CHG	-0.2538
scaffold_82	33961	34051 Gmdrm	hypo	CHG	-0.485
scaffold_82	34896	35129 Gmdrm	hypo	CHG	-0.1036
scaffold_82	37142	37385 Gmdrm	hypo	CHG	-0.0754
scaffold_82	38381	38947 Gmdrm	hypo	CHG	-0.1897
scaffold_82	48265	48430 Gmdrm	hypo	CHG	-0.2167
scaffold_82	56550	56736 Gmdrm	hypo	CHG	-0.2814
scaffold_82	65542	65651 Gmdrm	hypo	CHG	-0.3466
scaffold_82	68828	69088 Gmdrm	hypo	CHG	-0.3575
scaffold_82	70413	70713 Gmdrm	hypo	CHG	-0.3661
scaffold_82	75775	75905 Gmdrm	hypo	CHG	-0.2887
scaffold_82	77400	77721 Gmdrm	hypo	CHG	-0.3454
scaffold_82	80774	80998 Gmdrm	hypo	CHG	-0.4863
scaffold_82	84872	85040 Gmdrm	hypo	CHG	-0.4074
scaffold_82	86045	86404 Gmdrm	hypo	CHG	-0.3667
scaffold_83	4221	5183 Gmdrm	hypo	CHG	-0.1396
scaffold_83	8436	9423 Gmdrm	hypo	CHG	-0.0776
scaffold_83	9441	9825 Gmdrm	hypo	CHG	-0.1144
scaffold_83	9975	10894 Gmdrm	hypo	CHG	-0.0884
scaffold_83	13269	14258 Gmdrm	hypo	CHG	-0.0962
scaffold_83	41796	42393 Gmdrm	hypo	CHG	-0.2075
scaffold_83	43015	43102 Gmdrm	hypo	CHG	-0.1088
scaffold_83	58592	58685 Gmdrm	hypo	CHG	-0.114
scaffold_83	69274	70262 Gmdrm	hypo	CHG	-0.1057
scaffold_92	41520	41952 Gmdrm	hypo	CHG	-0.0416
scaffold_92	46894	47126 Gmdrm	hypo	CHG	-0.1738
Gm01	55014	55947 Gmdrm	hyper	CHH	0.041
Gm01	138916	139915 Gmdrm	hyper	CHH	0.0559
Gm01	181088	182087 Gmdrm	hyper	CHH	0.0224
Gm01	200662	201030 Gmdrm	hyper	CHH	0.08
Gm01	235499	235970 Gmdrm	hyper	CHH	0.0203
Gm01	262410	263396 Gmdrm	hyper	CHH	0.0137
Gm01	280033	280690 Gmdrm	hyper	CHH	0.0289
Gm01	331961	332504 Gmdrm	hyper	CHH	0.0367

Gm01	357794	358376	Gmdrm	hyper	CHH	0.0275
Gm01	378744	378905	Gmdrm	hyper	CHH	0.04
Gm01	391044	391377	Gmdrm	hyper	CHH	0.0341
Gm01	404507	405474	Gmdrm	hyper	CHH	0.0226
Gm01	478124	479115	Gmdrm	hyper	CHH	0.0097
Gm01	536965	537942	Gmdrm	hyper	CHH	0.0136
Gm01	547072	547701	Gmdrm	hyper	CHH	0.0327
Gm01	584588	585433	Gmdrm	hyper	CHH	0.0112
Gm01	586602	587309	Gmdrm	hyper	CHH	0.0205
Gm01	623215	623734	Gmdrm	hyper	CHH	0.0211
Gm01	664166	665156	Gmdrm	hyper	CHH	0.0236
Gm01	710295	710998	Gmdrm	hyper	CHH	0.0156
Gm01	789583	790552	Gmdrm	hyper	CHH	0.0109
Gm01	807885	808870	Gmdrm	hyper	CHH	0.014
Gm01	869002	869987	Gmdrm	hyper	CHH	0.0199
Gm01	905802	906770	Gmdrm	hyper	CHH	0.0123
Gm01	931362	932355	Gmdrm	hyper	CHH	0.0136
Gm01	949409	949524	Gmdrm	hyper	CHH	0.03
Gm01	990193	991133	Gmdrm	hyper	CHH	0.0144
Gm01	1027405	1028026	Gmdrm	hyper	CHH	0.0191
Gm01	1171638	1172632	Gmdrm	hyper	CHH	0.0722
Gm01	1173665	1174663	Gmdrm	hyper	CHH	0.0178
Gm01	1226014	1226942	Gmdrm	hyper	CHH	0.0224
Gm01	1235814	1236802	Gmdrm	hyper	CHH	0.0171
Gm01	1334133	1335122	Gmdrm	hyper	CHH	0.014
Gm01	1345688	1346555	Gmdrm	hyper	CHH	0.0142
Gm01	1362490	1363469	Gmdrm	hyper	CHH	0.0171
Gm01	1363499	1363996	Gmdrm	hyper	CHH	0.0255
Gm01	1367512	1368451	Gmdrm	hyper	CHH	0.0144
Gm01	1416187	1416413	Gmdrm	hyper	CHH	0.0287
Gm01	1524295	1524382	Gmdrm	hyper	CHH	0.0483
Gm01	1592312	1593304	Gmdrm	hyper	CHH	0.0191
Gm01	1605605	1606603	Gmdrm	hyper	CHH	0.0112
Gm01	1659632	1660591	Gmdrm	hyper	CHH	0.0128
Gm01	1705720	1706242	Gmdrm	hyper	CHH	0.0271
Gm01	1714750	1714974	Gmdrm	hyper	CHH	0.0469
Gm01	1726296	1727287	Gmdrm	hyper	CHH	0.0238
Gm01	1757501	1758440	Gmdrm	hyper	CHH	0.0121
Gm01	1784298	1785216	Gmdrm	hyper	CHH	0.0181
Gm01	1813354	1814161	Gmdrm	hyper	CHH	0.013
Gm01	1815292	1816065	Gmdrm	hyper	CHH	0.0173
Gm01	1827477	1828468	Gmdrm	hyper	CHH	0.0141
Gm01	1847395	1848362	Gmdrm	hyper	CHH	0.0213
Gm01	1890300	1891282	Gmdrm	hyper	CHH	0.0162
Gm01	1920150	1920271	Gmdrm	hyper	CHH	0.1884
Gm01	1942888	1943884	Gmdrm	hyper	CHH	0.0192

Gm01	1986990	1987988	Gmdrm	hyper	CHH	0.021
Gm01	2100421	2101421	Gmdrm	hyper	CHH	0.0228
Gm01	2137292	2138281	Gmdrm	hyper	CHH	0.0134
Gm01	2176398	2176455	Gmdrm	hyper	CHH	0.0471
Gm01	2195200	2196185	Gmdrm	hyper	CHH	0.0168
Gm01	2212970	2213413	Gmdrm	hyper	CHH	0.0417
Gm01	2242648	2243640	Gmdrm	hyper	CHH	0.0168
Gm01	2294808	2294925	Gmdrm	hyper	CHH	0.0477
Gm01	2317304	2318287	Gmdrm	hyper	CHH	0.014
Gm01	2554337	2554661	Gmdrm	hyper	CHH	0.0171
Gm01	2588142	2588971	Gmdrm	hyper	CHH	0.0194
Gm01	2607347	2608327	Gmdrm	hyper	CHH	0.0119
Gm01	2782445	2783439	Gmdrm	hyper	CHH	0.0143
Gm01	2794018	2795015	Gmdrm	hyper	CHH	0.0276
Gm01	2834959	2835410	Gmdrm	hyper	CHH	0.0233
Gm01	2863069	2863778	Gmdrm	hyper	CHH	0.0342
Gm01	2879507	2879913	Gmdrm	hyper	CHH	0.0337
Gm01	2900073	2901068	Gmdrm	hyper	CHH	0.0202
Gm01	2925695	2926681	Gmdrm	hyper	CHH	0.0164
Gm01	2933663	2934651	Gmdrm	hyper	CHH	0.0271
Gm01	2990538	2990693	Gmdrm	hyper	CHH	0.0267
Gm01	3052940	3053939	Gmdrm	hyper	CHH	0.0261
Gm01	3098895	3099890	Gmdrm	hyper	CHH	0.0546
Gm01	3099896	3100685	Gmdrm	hyper	CHH	0.1401
Gm01	3120881	3121874	Gmdrm	hyper	CHH	0.0275
Gm01	3133370	3133469	Gmdrm	hyper	CHH	0.0425
Gm01	3192272	3192582	Gmdrm	hyper	CHH	0.0336
Gm01	3192692	3193648	Gmdrm	hyper	CHH	0.0253
Gm01	3197551	3198303	Gmdrm	hyper	CHH	0.0259
Gm01	3230443	3231430	Gmdrm	hyper	CHH	0.0126
Gm01	3307515	3308473	Gmdrm	hyper	CHH	0.0363
Gm01	3366735	3367714	Gmdrm	hyper	CHH	0.0282
Gm01	3383118	3384103	Gmdrm	hyper	CHH	0.0174
Gm01	3386096	3387037	Gmdrm	hyper	CHH	0.0212
Gm01	3392951	3393249	Gmdrm	hyper	CHH	0.0248
Gm01	3424945	3425932	Gmdrm	hyper	CHH	0.0206
Gm01	3435424	3436332	Gmdrm	hyper	CHH	0.0115
Gm01	3454278	3455227	Gmdrm	hyper	CHH	0.0189
Gm01	3488642	3489636	Gmdrm	hyper	CHH	0.0202
Gm01	3608523	3609516	Gmdrm	hyper	CHH	0.0108
Gm01	3632554	3633545	Gmdrm	hyper	CHH	0.0127
Gm01	3633568	3634368	Gmdrm	hyper	CHH	0.02
Gm01	3670713	3671711	Gmdrm	hyper	CHH	0.02
Gm01	3706912	3707718	Gmdrm	hyper	CHH	0.03
Gm01	3710242	3710922	Gmdrm	hyper	CHH	0.0313
Gm01	3783876	3784035	Gmdrm	hyper	CHH	0.0871

Gm01	3794230	3795226	Gmdrm	hyper	CHH	0.0738
Gm01	3887398	3888060	Gmdrm	hyper	CHH	0.0425
Gm01	3936360	3937357	Gmdrm	hyper	CHH	0.0226
Gm01	3951804	3952775	Gmdrm	hyper	CHH	0.023
Gm01	3968267	3969194	Gmdrm	hyper	CHH	0.0125
Gm01	4034494	4035018	Gmdrm	hyper	CHH	0.0152
Gm01	4098152	4099136	Gmdrm	hyper	CHH	0.0165
Gm01	4124562	4125534	Gmdrm	hyper	CHH	0.0231
Gm01	4178417	4178626	Gmdrm	hyper	CHH	0.04
Gm01	4228445	4229444	Gmdrm	hyper	CHH	0.0212
Gm01	4390618	4391606	Gmdrm	hyper	CHH	0.0186
Gm01	4417791	4418766	Gmdrm	hyper	CHH	0.0167
Gm01	4469198	4470171	Gmdrm	hyper	CHH	0.0423
Gm01	4482661	4483563	Gmdrm	hyper	CHH	0.0259
Gm01	4659741	4660741	Gmdrm	hyper	CHH	0.0071
Gm01	4666586	4667436	Gmdrm	hyper	CHH	0.0328
Gm01	4668183	4668256	Gmdrm	hyper	CHH	0.068
Gm01	4696764	4697151	Gmdrm	hyper	CHH	0.0222
Gm01	4771481	4772460	Gmdrm	hyper	CHH	0.0368
Gm01	4794219	4795210	Gmdrm	hyper	CHH	0.0379
Gm01	4801807	4802798	Gmdrm	hyper	CHH	0.0151
Gm01	4824722	4825713	Gmdrm	hyper	CHH	0.0227
Gm01	4842692	4843679	Gmdrm	hyper	CHH	0.0173
Gm01	4887731	4888704	Gmdrm	hyper	CHH	0.0157
Gm01	4963643	4964633	Gmdrm	hyper	CHH	0.0124
Gm01	4965157	4965200	Gmdrm	hyper	CHH	0.038
Gm01	5046614	5047349	Gmdrm	hyper	CHH	0.0284
Gm01	5098066	5098781	Gmdrm	hyper	CHH	0.016
Gm01	5124401	5124692	Gmdrm	hyper	CHH	0.0452
Gm01	5496551	5497527	Gmdrm	hyper	CHH	0.0211
Gm01	5506876	5507845	Gmdrm	hyper	CHH	0.0213
Gm01	5510808	5511782	Gmdrm	hyper	CHH	0.0163
Gm01	5617194	5618154	Gmdrm	hyper	CHH	0.0124
Gm01	5641676	5642676	Gmdrm	hyper	CHH	0.0287
Gm01	5725276	5726237	Gmdrm	hyper	CHH	0.0523
Gm01	5726302	5727257	Gmdrm	hyper	CHH	0.0511
Gm01	5848168	5848481	Gmdrm	hyper	CHH	0.0283
Gm01	5852363	5852645	Gmdrm	hyper	CHH	0.0695
Gm01	6050737	6051732	Gmdrm	hyper	CHH	0.0234
Gm01	6107702	6108220	Gmdrm	hyper	CHH	0.084
Gm01	6114636	6115636	Gmdrm	hyper	CHH	0.0706
Gm01	6177392	6178392	Gmdrm	hyper	CHH	0.0495
Gm01	6325300	6326172	Gmdrm	hyper	CHH	0.0242
Gm01	6343797	6344622	Gmdrm	hyper	CHH	0.0611
Gm01	6352037	6352565	Gmdrm	hyper	CHH	0.0234
Gm01	6573081	6573521	Gmdrm	hyper	CHH	0.1115

Gm01	6608409	6608682	Gmdrm	hyper	CHH	0.0633
Gm01	6712017	6712198	Gmdrm	hyper	CHH	0.0665
Gm01	6743581	6743661	Gmdrm	hyper	CHH	0.066
Gm01	6951825	6952805	Gmdrm	hyper	CHH	0.0204
Gm01	7192017	7193013	Gmdrm	hyper	CHH	0.0149
Gm01	7196300	7197300	Gmdrm	hyper	CHH	0.0326
Gm01	7197318	7197608	Gmdrm	hyper	CHH	0.0237
Gm01	7312082	7313065	Gmdrm	hyper	CHH	0.0173
Gm01	7337440	7337646	Gmdrm	hyper	CHH	0.0518
Gm01	7468825	7469817	Gmdrm	hyper	CHH	0.0179
Gm01	7484798	7484980	Gmdrm	hyper	CHH	0.032
Gm01	7553600	7554600	Gmdrm	hyper	CHH	0.0282
Gm01	7640445	7641445	Gmdrm	hyper	CHH	0.0554
Gm01	7658698	7659275	Gmdrm	hyper	CHH	0.0216
Gm01	7815784	7815864	Gmdrm	hyper	CHH	0.088
Gm01	7914925	7915055	Gmdrm	hyper	CHH	0.1861
Gm01	8390909	8391905	Gmdrm	hyper	CHH	0.0243
Gm01	8396295	8397294	Gmdrm	hyper	CHH	0.0585
Gm01	8460044	8461044	Gmdrm	hyper	CHH	0.0209
Gm01	8477601	8478059	Gmdrm	hyper	CHH	0.0487
Gm01	8763428	8764428	Gmdrm	hyper	CHH	0.0481
Gm01	8866513	8867236	Gmdrm	hyper	CHH	0.0366
Gm01	8868597	8869250	Gmdrm	hyper	CHH	0.0361
Gm01	9056521	9057511	Gmdrm	hyper	CHH	0.0133
Gm01	9173733	9173980	Gmdrm	hyper	CHH	0.1671
Gm01	9201322	9202084	Gmdrm	hyper	CHH	0.0346
Gm01	9232861	9233858	Gmdrm	hyper	CHH	0.033
Gm01	9233871	9234865	Gmdrm	hyper	CHH	0.0646
Gm01	9301773	9301822	Gmdrm	hyper	CHH	0.178
Gm01	9343735	9344724	Gmdrm	hyper	CHH	0.025
Gm01	9367703	9367855	Gmdrm	hyper	CHH	0.064
Gm01	9433304	9434295	Gmdrm	hyper	CHH	0.0424
Gm01	9534795	9534850	Gmdrm	hyper	CHH	0.1617
Gm01	9596979	9597979	Gmdrm	hyper	CHH	0.0652
Gm01	9730170	9731170	Gmdrm	hyper	CHH	0.0519
Gm01	9764112	9765112	Gmdrm	hyper	CHH	0.0106
Gm01	9765120	9766114	Gmdrm	hyper	CHH	0.0217
Gm01	9773163	9774161	Gmdrm	hyper	CHH	0.0461
Gm01	9900638	9901636	Gmdrm	hyper	CHH	0.0372
Gm01	9922534	9923486	Gmdrm	hyper	CHH	0.0478
Gm01	10261711	10262706	Gmdrm	hyper	CHH	0.0425
Gm01	10278893	10278947	Gmdrm	hyper	CHH	0.17
Gm01	10339414	10340410	Gmdrm	hyper	CHH	0.0373
Gm01	10410610	10411429	Gmdrm	hyper	CHH	0.05
Gm01	10587976	10588960	Gmdrm	hyper	CHH	0.051
Gm01	10603406	10604403	Gmdrm	hyper	CHH	0.0399

Gm01	10634260	10635254	Gmdrm	hyper	CHH	0.0464
Gm01	10925847	10926105	Gmdrm	hyper	CHH	0.1307
Gm01	11124116	11125113	Gmdrm	hyper	CHH	0.0507
Gm01	11231847	11232832	Gmdrm	hyper	CHH	0.0139
Gm01	11235428	11236367	Gmdrm	hyper	CHH	0.0184
Gm01	11331567	11332564	Gmdrm	hyper	CHH	0.0144
Gm01	11351482	11351612	Gmdrm	hyper	CHH	0.1966
Gm01	11542981	11543597	Gmdrm	hyper	CHH	0.0852
Gm01	11706836	11707803	Gmdrm	hyper	CHH	0.0146
Gm01	11729132	11730118	Gmdrm	hyper	CHH	0.0801
Gm01	11730134	11731133	Gmdrm	hyper	CHH	0.0827
Gm01	11758664	11759663	Gmdrm	hyper	CHH	0.0186
Gm01	11825787	11825849	Gmdrm	hyper	CHH	0.1986
Gm01	11935381	11936369	Gmdrm	hyper	CHH	0.0111
Gm01	11983517	11984509	Gmdrm	hyper	CHH	0.0318
Gm01	12040693	12041688	Gmdrm	hyper	CHH	0.0118
Gm01	12301087	12301361	Gmdrm	hyper	CHH	0.0835
Gm01	12303045	12303295	Gmdrm	hyper	CHH	0.0976
Gm01	12408274	12409274	Gmdrm	hyper	CHH	0.042
Gm01	12484555	12485541	Gmdrm	hyper	CHH	0.0374
Gm01	12656756	12657753	Gmdrm	hyper	CHH	0.0324
Gm01	12704089	12705065	Gmdrm	hyper	CHH	0.0213
Gm01	12744313	12745242	Gmdrm	hyper	CHH	0.0402
Gm01	12760262	12761260	Gmdrm	hyper	CHH	0.0367
Gm01	12761265	12762264	Gmdrm	hyper	CHH	0.0455
Gm01	12778926	12779920	Gmdrm	hyper	CHH	0.0124
Gm01	12919340	12919504	Gmdrm	hyper	CHH	0.0233
Gm01	12928787	12929758	Gmdrm	hyper	CHH	0.014
Gm01	12948882	12949876	Gmdrm	hyper	CHH	0.0404
Gm01	13030313	13031276	Gmdrm	hyper	CHH	0.0238
Gm01	13045262	13046254	Gmdrm	hyper	CHH	0.0528
Gm01	13090953	13091120	Gmdrm	hyper	CHH	0.092
Gm01	13490059	13490257	Gmdrm	hyper	CHH	0.1525
Gm01	13525630	13525810	Gmdrm	hyper	CHH	0.0854
Gm01	13889225	13889891	Gmdrm	hyper	CHH	0.09
Gm01	13975221	13975976	Gmdrm	hyper	CHH	0.0707
Gm01	14417025	14418023	Gmdrm	hyper	CHH	0.0481
Gm01	14519897	14520404	Gmdrm	hyper	CHH	0.1048
Gm01	14929325	14929784	Gmdrm	hyper	CHH	0.0537
Gm01	14936530	14936885	Gmdrm	hyper	CHH	0.0837
Gm01	15707244	15707532	Gmdrm	hyper	CHH	0.1153
Gm01	15979654	15980650	Gmdrm	hyper	CHH	0.0638
Gm01	16042636	16043205	Gmdrm	hyper	CHH	0.0179
Gm01	16044852	16045832	Gmdrm	hyper	CHH	0.0109
Gm01	16180119	16180239	Gmdrm	hyper	CHH	0.2017
Gm01	16359416	16360192	Gmdrm	hyper	CHH	0.0751

Gm01	16792022	16792279	Gmdrm	hyper	CHH	0.205
Gm01	16912936	16913616	Gmdrm	hyper	CHH	0.0756
Gm01	17288970	17289960	Gmdrm	hyper	CHH	0.0186
Gm01	17309388	17310387	Gmdrm	hyper	CHH	0.0488
Gm01	17323809	17323881	Gmdrm	hyper	CHH	0.385
Gm01	17382026	17382064	Gmdrm	hyper	CHH	0.2872
Gm01	17488029	17488091	Gmdrm	hyper	CHH	0.1881
Gm01	17688441	17688912	Gmdrm	hyper	CHH	0.1063
Gm01	17744494	17745339	Gmdrm	hyper	CHH	0.0651
Gm01	17851767	17852761	Gmdrm	hyper	CHH	0.0665
Gm01	18206768	18207587	Gmdrm	hyper	CHH	0.0557
Gm01	18302458	18303408	Gmdrm	hyper	CHH	0.0188
Gm01	18309175	18310141	Gmdrm	hyper	CHH	0.0435
Gm01	18402215	18403200	Gmdrm	hyper	CHH	0.0151
Gm01	18403223	18404193	Gmdrm	hyper	CHH	0.013
Gm01	18515536	18515686	Gmdrm	hyper	CHH	0.1515
Gm01	18663401	18664366	Gmdrm	hyper	CHH	0.0144
Gm01	18988197	18989194	Gmdrm	hyper	CHH	0.0182
Gm01	19140618	19141617	Gmdrm	hyper	CHH	0.0229
Gm01	19394060	19394701	Gmdrm	hyper	CHH	0.0836
Gm01	19468920	19469013	Gmdrm	hyper	CHH	0.2564
Gm01	19514482	19514861	Gmdrm	hyper	CHH	0.1298
Gm01	19555701	19555972	Gmdrm	hyper	CHH	0.1899
Gm01	19634350	19634889	Gmdrm	hyper	CHH	0.0941
Gm01	19829749	19829933	Gmdrm	hyper	CHH	0.1735
Gm01	19848641	19849634	Gmdrm	hyper	CHH	0.0402
Gm01	19997933	19998922	Gmdrm	hyper	CHH	0.0356
Gm01	20104838	20105004	Gmdrm	hyper	CHH	0.2893
Gm01	20267482	20268479	Gmdrm	hyper	CHH	0.0399
Gm01	20373379	20374379	Gmdrm	hyper	CHH	0.0359
Gm01	20577465	20578439	Gmdrm	hyper	CHH	0.0507
Gm01	20731470	20732453	Gmdrm	hyper	CHH	0.0431
Gm01	20847390	20848382	Gmdrm	hyper	CHH	0.0151
Gm01	20993288	20994286	Gmdrm	hyper	CHH	0.0593
Gm01	21032335	21032627	Gmdrm	hyper	CHH	0.1493
Gm01	21492545	21492973	Gmdrm	hyper	CHH	0.1239
Gm01	21676493	21677493	Gmdrm	hyper	CHH	0.0576
Gm01	21906423	21907422	Gmdrm	hyper	CHH	0.0238
Gm01	21968886	21969884	Gmdrm	hyper	CHH	0.0293
Gm01	22028333	22029210	Gmdrm	hyper	CHH	0.0195
Gm01	22085224	22085352	Gmdrm	hyper	CHH	0.2089
Gm01	22234094	22234540	Gmdrm	hyper	CHH	0.0461
Gm01	22302613	22303584	Gmdrm	hyper	CHH	0.0443
Gm01	22763694	22764678	Gmdrm	hyper	CHH	0.0384
Gm01	22988153	22988404	Gmdrm	hyper	CHH	0.1181
Gm01	23106555	23106779	Gmdrm	hyper	CHH	0.0867

Gm01	23138247	23138352	Gmdrm	hyper	CHH	0.1287
Gm01	23256959	23257084	Gmdrm	hyper	CHH	0.2328
Gm01	23670280	23671188	Gmdrm	hyper	CHH	0.0274
Gm01	23724983	23725251	Gmdrm	hyper	CHH	0.0657
Gm01	23794694	23795693	Gmdrm	hyper	CHH	0.0293
Gm01	24020809	24021147	Gmdrm	hyper	CHH	0.0313
Gm01	24022832	24023041	Gmdrm	hyper	CHH	0.0456
Gm01	24169243	24170243	Gmdrm	hyper	CHH	0.0236
Gm01	24316786	24317075	Gmdrm	hyper	CHH	0.0894
Gm01	24993926	24994752	Gmdrm	hyper	CHH	0.015
Gm01	25033839	25034500	Gmdrm	hyper	CHH	0.1241
Gm01	25115838	25116828	Gmdrm	hyper	CHH	0.0134
Gm01	25364486	25365476	Gmdrm	hyper	CHH	0.0461
Gm01	25525389	25526277	Gmdrm	hyper	CHH	0.0817
Gm01	25551327	25552045	Gmdrm	hyper	CHH	0.0602
Gm01	25596489	25597488	Gmdrm	hyper	CHH	0.0315
Gm01	25751296	25751575	Gmdrm	hyper	CHH	0.0205
Gm01	25809389	25810350	Gmdrm	hyper	CHH	0.0318
Gm01	25887316	25888298	Gmdrm	hyper	CHH	0.069
Gm01	26078145	26079142	Gmdrm	hyper	CHH	0.0515
Gm01	26192246	26193214	Gmdrm	hyper	CHH	0.0156
Gm01	26273059	26273235	Gmdrm	hyper	CHH	0.0465
Gm01	26273340	26274299	Gmdrm	hyper	CHH	0.0282
Gm01	26494097	26495086	Gmdrm	hyper	CHH	0.0198
Gm01	26497491	26498463	Gmdrm	hyper	CHH	0.0186
Gm01	26500055	26500617	Gmdrm	hyper	CHH	0.0207
Gm01	26571064	26572063	Gmdrm	hyper	CHH	0.064
Gm01	26623299	26624290	Gmdrm	hyper	CHH	0.0544
Gm01	26724929	26725533	Gmdrm	hyper	CHH	0.0221
Gm01	26761910	26762906	Gmdrm	hyper	CHH	0.0282
Gm01	26880350	26881343	Gmdrm	hyper	CHH	0.0406
Gm01	26899125	26900113	Gmdrm	hyper	CHH	0.0646
Gm01	27048218	27049137	Gmdrm	hyper	CHH	0.0531
Gm01	27069701	27070645	Gmdrm	hyper	CHH	0.0323
Gm01	27077687	27078606	Gmdrm	hyper	CHH	0.0272
Gm01	27264690	27265666	Gmdrm	hyper	CHH	0.0559
Gm01	27371932	27372913	Gmdrm	hyper	CHH	0.0294
Gm01	27452575	27453574	Gmdrm	hyper	CHH	0.0434
Gm01	27519216	27519283	Gmdrm	hyper	CHH	0.046
Gm01	27525625	27526604	Gmdrm	hyper	CHH	0.0212
Gm01	27538575	27539575	Gmdrm	hyper	CHH	0.038
Gm01	27564879	27564972	Gmdrm	hyper	CHH	0.1317
Gm01	27583809	27584281	Gmdrm	hyper	CHH	0.1124
Gm01	27677274	27678093	Gmdrm	hyper	CHH	0.0344
Gm01	27895328	27896305	Gmdrm	hyper	CHH	0.0595
Gm01	28060196	28061162	Gmdrm	hyper	CHH	0.0639

Gm01	28170220	28171219	Gmdrm	hyper	CHH	0.0984
Gm01	28286955	28287900	Gmdrm	hyper	CHH	0.0297
Gm01	28329286	28329550	Gmdrm	hyper	CHH	0.0867
Gm01	28419863	28420857	Gmdrm	hyper	CHH	0.0346
Gm01	28565068	28566058	Gmdrm	hyper	CHH	0.03
Gm01	28614108	28615107	Gmdrm	hyper	CHH	0.0329
Gm01	28767097	28767456	Gmdrm	hyper	CHH	0.1083
Gm01	28876104	28877100	Gmdrm	hyper	CHH	0.0525
Gm01	28904778	28904954	Gmdrm	hyper	CHH	0.0944
Gm01	29024723	29025722	Gmdrm	hyper	CHH	0.0434
Gm01	29031821	29032820	Gmdrm	hyper	CHH	0.0334
Gm01	29148513	29149505	Gmdrm	hyper	CHH	0.0439
Gm01	29649428	29649501	Gmdrm	hyper	CHH	0.218
Gm01	29888720	29889720	Gmdrm	hyper	CHH	0.0545
Gm01	29899338	29899547	Gmdrm	hyper	CHH	0.1379
Gm01	29926781	29927720	Gmdrm	hyper	CHH	0.0367
Gm01	29960555	29960649	Gmdrm	hyper	CHH	0.1808
Gm01	30025984	30026978	Gmdrm	hyper	CHH	0.0135
Gm01	30182539	30183539	Gmdrm	hyper	CHH	0.0648
Gm01	30265855	30266830	Gmdrm	hyper	CHH	0.0743
Gm01	31337490	31338489	Gmdrm	hyper	CHH	0.0607
Gm01	31348126	31349095	Gmdrm	hyper	CHH	0.0581
Gm01	31961090	31961843	Gmdrm	hyper	CHH	0.0231
Gm01	32251251	32251469	Gmdrm	hyper	CHH	0.119
Gm01	32321130	32321275	Gmdrm	hyper	CHH	0.1425
Gm01	32496118	32496170	Gmdrm	hyper	CHH	0.234
Gm01	32609998	32610988	Gmdrm	hyper	CHH	0.0161
Gm01	32685617	32686616	Gmdrm	hyper	CHH	0.0679
Gm01	33138278	33139241	Gmdrm	hyper	CHH	0.0175
Gm01	33161607	33162593	Gmdrm	hyper	CHH	0.019
Gm01	33162619	33163594	Gmdrm	hyper	CHH	0.0132
Gm01	33350639	33351398	Gmdrm	hyper	CHH	0.072
Gm01	33472306	33473050	Gmdrm	hyper	CHH	0.015
Gm01	33496662	33496818	Gmdrm	hyper	CHH	0.0423
Gm01	33535420	33536419	Gmdrm	hyper	CHH	0.0439
Gm01	33543484	33544481	Gmdrm	hyper	CHH	0.0346
Gm01	33592871	33593017	Gmdrm	hyper	CHH	0.1652
Gm01	33606336	33607201	Gmdrm	hyper	CHH	0.0394
Gm01	33767251	33768248	Gmdrm	hyper	CHH	0.026
Gm01	33808413	33809380	Gmdrm	hyper	CHH	0.0536
Gm01	33854548	33855496	Gmdrm	hyper	CHH	0.0167
Gm01	33949964	33950807	Gmdrm	hyper	CHH	0.0195
Gm01	33970476	33970588	Gmdrm	hyper	CHH	0.1342
Gm01	34170300	34170420	Gmdrm	hyper	CHH	0.0578
Gm01	34222014	34222972	Gmdrm	hyper	CHH	0.0485
Gm01	34257038	34258033	Gmdrm	hyper	CHH	0.0999

Gm01	34431461	34432461	Gmdrm	hyper	CHH	0.0395
Gm01	34473832	34474822	Gmdrm	hyper	CHH	0.0453
Gm01	34565141	34566123	Gmdrm	hyper	CHH	0.0131
Gm01	34584685	34585665	Gmdrm	hyper	CHH	0.0276
Gm01	34650365	34650617	Gmdrm	hyper	CHH	0.2329
Gm01	35188198	35188317	Gmdrm	hyper	CHH	0.035
Gm01	35382966	35383248	Gmdrm	hyper	CHH	0.1354
Gm01	35426780	35426849	Gmdrm	hyper	CHH	0.24
Gm01	35457567	35458550	Gmdrm	hyper	CHH	0.0635
Gm01	35645004	35645965	Gmdrm	hyper	CHH	0.0169
Gm01	35646029	35646991	Gmdrm	hyper	CHH	0.0195
Gm01	35775703	35775904	Gmdrm	hyper	CHH	0.1599
Gm01	35776065	35777034	Gmdrm	hyper	CHH	0.0419
Gm01	35930491	35931490	Gmdrm	hyper	CHH	0.0138
Gm01	35985581	35986580	Gmdrm	hyper	CHH	0.0352
Gm01	36056127	36057125	Gmdrm	hyper	CHH	0.0513
Gm01	36308808	36309627	Gmdrm	hyper	CHH	0.1045
Gm01	36374388	36375342	Gmdrm	hyper	CHH	0.0306
Gm01	36413712	36414689	Gmdrm	hyper	CHH	0.0162
Gm01	36517319	36518285	Gmdrm	hyper	CHH	0.0428
Gm01	36539569	36540568	Gmdrm	hyper	CHH	0.0183
Gm01	36671704	36672135	Gmdrm	hyper	CHH	0.1325
Gm01	36789952	36790943	Gmdrm	hyper	CHH	0.0449
Gm01	36948072	36949045	Gmdrm	hyper	CHH	0.0562
Gm01	36954218	36955131	Gmdrm	hyper	CHH	0.0235
Gm01	36958865	36959861	Gmdrm	hyper	CHH	0.0442
Gm01	37126156	37126321	Gmdrm	hyper	CHH	0.1388
Gm01	37170790	37170810	Gmdrm	hyper	CHH	0.2
Gm01	37230400	37231393	Gmdrm	hyper	CHH	0.0304
Gm01	37231447	37232445	Gmdrm	hyper	CHH	0.0235
Gm01	37253216	37253554	Gmdrm	hyper	CHH	0.0794
Gm01	37302149	37303121	Gmdrm	hyper	CHH	0.0599
Gm01	37402345	37403339	Gmdrm	hyper	CHH	0.0586
Gm01	37403353	37404347	Gmdrm	hyper	CHH	0.0852
Gm01	37404355	37405337	Gmdrm	hyper	CHH	0.1024
Gm01	37519284	37520011	Gmdrm	hyper	CHH	0.0259
Gm01	37528969	37529965	Gmdrm	hyper	CHH	0.082
Gm01	37597978	37598839	Gmdrm	hyper	CHH	0.0651
Gm01	37692779	37693779	Gmdrm	hyper	CHH	0.0467
Gm01	37734828	37735576	Gmdrm	hyper	CHH	0.0184
Gm01	37858878	37859322	Gmdrm	hyper	CHH	0.0188
Gm01	37918273	37919269	Gmdrm	hyper	CHH	0.035
Gm01	37998582	37998740	Gmdrm	hyper	CHH	0.1968
Gm01	38024955	38025954	Gmdrm	hyper	CHH	0.0183
Gm01	38260399	38261395	Gmdrm	hyper	CHH	0.0329
Gm01	38366091	38367081	Gmdrm	hyper	CHH	0.0131

Gm01	38593472	38593678	Gmdrm	hyper	CHH	0.0286
Gm01	38606341	38607340	Gmdrm	hyper	CHH	0.0138
Gm01	38624189	38625188	Gmdrm	hyper	CHH	0.042
Gm01	38634396	38635394	Gmdrm	hyper	CHH	0.0189
Gm01	38669176	38670176	Gmdrm	hyper	CHH	0.0541
Gm01	38733792	38734772	Gmdrm	hyper	CHH	0.0708
Gm01	38821091	38822082	Gmdrm	hyper	CHH	0.0437
Gm01	38935474	38936473	Gmdrm	hyper	CHH	0.0163
Gm01	39006936	39007932	Gmdrm	hyper	CHH	0.0218
Gm01	39198143	39199141	Gmdrm	hyper	CHH	0.0461
Gm01	39321423	39322422	Gmdrm	hyper	CHH	0.0556
Gm01	39702850	39702991	Gmdrm	hyper	CHH	0.158
Gm01	39716878	39717245	Gmdrm	hyper	CHH	0.235
Gm01	39838905	39839893	Gmdrm	hyper	CHH	0.0481
Gm01	39877210	39878158	Gmdrm	hyper	CHH	0.0311
Gm01	39911877	39912874	Gmdrm	hyper	CHH	0.0274
Gm01	40036035	40036126	Gmdrm	hyper	CHH	0.2445
Gm01	40057114	40058092	Gmdrm	hyper	CHH	0.0511
Gm01	40144700	40145284	Gmdrm	hyper	CHH	0.0626
Gm01	40160608	40160917	Gmdrm	hyper	CHH	0.1031
Gm01	40417299	40418049	Gmdrm	hyper	CHH	0.1021
Gm01	40548635	40549565	Gmdrm	hyper	CHH	0.0203
Gm01	40592794	40592870	Gmdrm	hyper	CHH	0.118
Gm01	40600175	40600973	Gmdrm	hyper	CHH	0.0266
Gm01	40697071	40698062	Gmdrm	hyper	CHH	0.0295
Gm01	40704968	40705414	Gmdrm	hyper	CHH	0.0187
Gm01	40780292	40780649	Gmdrm	hyper	CHH	0.0238
Gm01	40806855	40807840	Gmdrm	hyper	CHH	0.0666
Gm01	40900482	40900718	Gmdrm	hyper	CHH	0.177
Gm01	41017785	41018780	Gmdrm	hyper	CHH	0.0412
Gm01	41259839	41260835	Gmdrm	hyper	CHH	0.0325
Gm01	41273586	41274565	Gmdrm	hyper	CHH	0.0478
Gm01	41341851	41342851	Gmdrm	hyper	CHH	0.04
Gm01	41553542	41554537	Gmdrm	hyper	CHH	0.069
Gm01	41582245	41583236	Gmdrm	hyper	CHH	0.0666
Gm01	41658531	41659526	Gmdrm	hyper	CHH	0.0334
Gm01	41680887	41681886	Gmdrm	hyper	CHH	0.0476
Gm01	41719870	41720613	Gmdrm	hyper	CHH	0.0154
Gm01	41801957	41802840	Gmdrm	hyper	CHH	0.0158
Gm01	41823631	41824625	Gmdrm	hyper	CHH	0.0206
Gm01	41832093	41832708	Gmdrm	hyper	CHH	0.0483
Gm01	41917729	41918391	Gmdrm	hyper	CHH	0.0561
Gm01	41978128	41979128	Gmdrm	hyper	CHH	0.0536
Gm01	42133190	42133410	Gmdrm	hyper	CHH	0.1425
Gm01	42139538	42139585	Gmdrm	hyper	CHH	0.4712
Gm01	42397764	42398534	Gmdrm	hyper	CHH	0.0521

Gm01	42410792	42411325	Gmdrm	hyper	CHH	0.0191
Gm01	42514943	42515526	Gmdrm	hyper	CHH	0.034
Gm01	42562487	42563485	Gmdrm	hyper	CHH	0.0665
Gm01	42565146	42565531	Gmdrm	hyper	CHH	0.1121
Gm01	42583119	42584100	Gmdrm	hyper	CHH	0.0432
Gm01	42633465	42634444	Gmdrm	hyper	CHH	0.0317
Gm01	42780413	42780526	Gmdrm	hyper	CHH	0.1885
Gm01	42885275	42885572	Gmdrm	hyper	CHH	0.046
Gm01	42903573	42904264	Gmdrm	hyper	CHH	0.066
Gm01	42927313	42928308	Gmdrm	hyper	CHH	0.0435
Gm01	42945340	42946329	Gmdrm	hyper	CHH	0.0251
Gm01	42997335	42998322	Gmdrm	hyper	CHH	0.0229
Gm01	43019603	43019854	Gmdrm	hyper	CHH	0.0916
Gm01	43128340	43129315	Gmdrm	hyper	CHH	0.0486
Gm01	43339631	43339721	Gmdrm	hyper	CHH	0.1711
Gm01	43361781	43362771	Gmdrm	hyper	CHH	0.029
Gm01	43418749	43419748	Gmdrm	hyper	CHH	0.0326
Gm01	43628625	43629306	Gmdrm	hyper	CHH	0.0254
Gm01	43731444	43731760	Gmdrm	hyper	CHH	0.1312
Gm01	43858557	43859112	Gmdrm	hyper	CHH	0.0326
Gm01	44032771	44033750	Gmdrm	hyper	CHH	0.1006
Gm01	44033774	44034739	Gmdrm	hyper	CHH	0.1357
Gm01	44034799	44035799	Gmdrm	hyper	CHH	0.1781
Gm01	44035802	44036788	Gmdrm	hyper	CHH	0.1559
Gm01	44036837	44037832	Gmdrm	hyper	CHH	0.1511
Gm01	44042655	44043653	Gmdrm	hyper	CHH	0.0458
Gm01	44043664	44044662	Gmdrm	hyper	CHH	0.0431
Gm01	44046714	44047712	Gmdrm	hyper	CHH	0.0457
Gm01	44050611	44051611	Gmdrm	hyper	CHH	0.0767
Gm01	44066361	44067361	Gmdrm	hyper	CHH	0.0453
Gm01	44108657	44109331	Gmdrm	hyper	CHH	0.0256
Gm01	44217950	44217960	Gmdrm	hyper	CHH	0.195
Gm01	44243090	44244086	Gmdrm	hyper	CHH	0.0141
Gm01	44257955	44258953	Gmdrm	hyper	CHH	0.0561
Gm01	44345540	44346532	Gmdrm	hyper	CHH	0.0405
Gm01	44647868	44648862	Gmdrm	hyper	CHH	0.0198
Gm01	44715375	44716352	Gmdrm	hyper	CHH	0.0374
Gm01	44754758	44755753	Gmdrm	hyper	CHH	0.0545
Gm01	44993836	44993925	Gmdrm	hyper	CHH	0.135
Gm01	45048140	45049129	Gmdrm	hyper	CHH	0.0158
Gm01	45092121	45093121	Gmdrm	hyper	CHH	0.0408
Gm01	45145316	45146285	Gmdrm	hyper	CHH	0.0185
Gm01	45184292	45185283	Gmdrm	hyper	CHH	0.0204
Gm01	45209039	45210034	Gmdrm	hyper	CHH	0.0253
Gm01	45332016	45333016	Gmdrm	hyper	CHH	0.0595
Gm01	45476874	45477867	Gmdrm	hyper	CHH	0.0236

Gm01	45521954	45522953	Gmdrm	hyper	CHH	0.0165
Gm01	45866460	45867027	Gmdrm	hyper	CHH	0.096
Gm01	45878509	45878974	Gmdrm	hyper	CHH	0.1707
Gm01	45881370	45881820	Gmdrm	hyper	CHH	0.0172
Gm01	46056310	46057300	Gmdrm	hyper	CHH	0.053
Gm01	46080039	46080829	Gmdrm	hyper	CHH	0.0385
Gm01	46133090	46134088	Gmdrm	hyper	CHH	0.0661
Gm01	46180082	46181062	Gmdrm	hyper	CHH	0.0564
Gm01	46216081	46217080	Gmdrm	hyper	CHH	0.0146
Gm01	46352829	46353828	Gmdrm	hyper	CHH	0.022
Gm01	46454629	46455629	Gmdrm	hyper	CHH	0.0162
Gm01	46455635	46455903	Gmdrm	hyper	CHH	0.03
Gm01	46597846	46598842	Gmdrm	hyper	CHH	0.0431
Gm01	46673181	46674177	Gmdrm	hyper	CHH	0.0332
Gm01	46747825	46748824	Gmdrm	hyper	CHH	0.0513
Gm01	46809697	46810697	Gmdrm	hyper	CHH	0.0143
Gm01	46812968	46813084	Gmdrm	hyper	CHH	0.035
Gm01	46898559	46899559	Gmdrm	hyper	CHH	0.0347
Gm01	47028752	47029732	Gmdrm	hyper	CHH	0.0174
Gm01	47033983	47034469	Gmdrm	hyper	CHH	0.0225
Gm01	47090504	47091480	Gmdrm	hyper	CHH	0.0259
Gm01	47138487	47139486	Gmdrm	hyper	CHH	0.0193
Gm01	47173787	47174770	Gmdrm	hyper	CHH	0.0144
Gm01	47318950	47319921	Gmdrm	hyper	CHH	0.0386
Gm01	47320957	47321949	Gmdrm	hyper	CHH	0.0185
Gm01	47338117	47339082	Gmdrm	hyper	CHH	0.0151
Gm01	47406152	47406193	Gmdrm	hyper	CHH	0.03
Gm01	47425609	47426591	Gmdrm	hyper	CHH	0.0233
Gm01	47436609	47437587	Gmdrm	hyper	CHH	0.0122
Gm01	47485403	47485466	Gmdrm	hyper	CHH	0.1867
Gm01	47594463	47595457	Gmdrm	hyper	CHH	0.0413
Gm01	47747749	47748091	Gmdrm	hyper	CHH	0.029
Gm01	47787130	47788130	Gmdrm	hyper	CHH	0.0282
Gm01	47963007	47963519	Gmdrm	hyper	CHH	0.1135
Gm01	48061358	48061459	Gmdrm	hyper	CHH	0.082
Gm01	48076837	48077837	Gmdrm	hyper	CHH	0.0783
Gm01	48092033	48092144	Gmdrm	hyper	CHH	0.145
Gm01	48284056	48285042	Gmdrm	hyper	CHH	0.0545
Gm01	48362619	48362786	Gmdrm	hyper	CHH	0.0781
Gm01	48442359	48443342	Gmdrm	hyper	CHH	0.0328
Gm01	48465412	48466408	Gmdrm	hyper	CHH	0.0133
Gm01	48501094	48502053	Gmdrm	hyper	CHH	0.0409
Gm01	48525683	48526190	Gmdrm	hyper	CHH	0.0409
Gm01	48628457	48629419	Gmdrm	hyper	CHH	0.061
Gm01	48715976	48716976	Gmdrm	hyper	CHH	0.0238
Gm01	48754456	48755449	Gmdrm	hyper	CHH	0.0147

Gm01	48770530	48771506	Gmdrm	hyper	CHH	0.0261
Gm01	48821160	48822152	Gmdrm	hyper	CHH	0.0155
Gm01	48971442	48972437	Gmdrm	hyper	CHH	0.0168
Gm01	49052198	49053197	Gmdrm	hyper	CHH	0.055
Gm01	49118943	49119894	Gmdrm	hyper	CHH	0.0311
Gm01	49127767	49128711	Gmdrm	hyper	CHH	0.0325
Gm01	49170102	49170994	Gmdrm	hyper	CHH	0.047
Gm01	49198695	49199694	Gmdrm	hyper	CHH	0.0166
Gm01	49415294	49416292	Gmdrm	hyper	CHH	0.0452
Gm01	49467636	49467975	Gmdrm	hyper	CHH	0.05
Gm01	49547291	49548260	Gmdrm	hyper	CHH	0.0155
Gm01	49566411	49567076	Gmdrm	hyper	CHH	0.041
Gm01	49604930	49605904	Gmdrm	hyper	CHH	0.016
Gm01	49667762	49668743	Gmdrm	hyper	CHH	0.0274
Gm01	49669744	49670685	Gmdrm	hyper	CHH	0.0365
Gm01	49716405	49716614	Gmdrm	hyper	CHH	0.0514
Gm01	49718476	49719021	Gmdrm	hyper	CHH	0.0208
Gm01	49735518	49736477	Gmdrm	hyper	CHH	0.0184
Gm01	49794334	49795331	Gmdrm	hyper	CHH	0.021
Gm01	49815080	49815780	Gmdrm	hyper	CHH	0.0254
Gm01	49840074	49840508	Gmdrm	hyper	CHH	0.0446
Gm01	50029004	50029991	Gmdrm	hyper	CHH	0.0243
Gm01	50102861	50103857	Gmdrm	hyper	CHH	0.0245
Gm01	50121952	50122180	Gmdrm	hyper	CHH	0.0392
Gm01	50126887	50127871	Gmdrm	hyper	CHH	0.0226
Gm01	50172267	50173128	Gmdrm	hyper	CHH	0.0185
Gm01	50214656	50215650	Gmdrm	hyper	CHH	0.0183
Gm01	50236307	50237280	Gmdrm	hyper	CHH	0.0158
Gm01	50273292	50273671	Gmdrm	hyper	CHH	0.0937
Gm01	50279878	50280860	Gmdrm	hyper	CHH	0.0131
Gm01	50376939	50377598	Gmdrm	hyper	CHH	0.0166
Gm01	50468789	50469780	Gmdrm	hyper	CHH	0.0135
Gm01	50578822	50579814	Gmdrm	hyper	CHH	0.0608
Gm01	50620344	50620780	Gmdrm	hyper	CHH	0.1064
Gm01	50662686	50663217	Gmdrm	hyper	CHH	0.021
Gm01	50673691	50674139	Gmdrm	hyper	CHH	0.0221
Gm01	50691222	50692218	Gmdrm	hyper	CHH	0.0245
Gm01	50742154	50742681	Gmdrm	hyper	CHH	0.0248
Gm01	50752866	50753573	Gmdrm	hyper	CHH	0.0173
Gm01	50833508	50834180	Gmdrm	hyper	CHH	0.0188
Gm01	50842953	50843698	Gmdrm	hyper	CHH	0.013
Gm01	50847139	50848135	Gmdrm	hyper	CHH	0.0652
Gm01	50856404	50857392	Gmdrm	hyper	CHH	0.0425
Gm01	50897038	50897141	Gmdrm	hyper	CHH	0.0567
Gm01	50975038	50975720	Gmdrm	hyper	CHH	0.0422
Gm01	50986525	50987521	Gmdrm	hyper	CHH	0.0254

Gm01	51005395	51005620	Gmdrm	hyper	CHH	0.03
Gm01	51063497	51064156	Gmdrm	hyper	CHH	0.0412
Gm01	51066533	51067519	Gmdrm	hyper	CHH	0.0101
Gm01	51133334	51133539	Gmdrm	hyper	CHH	0.0345
Gm01	51210323	51210557	Gmdrm	hyper	CHH	0.0657
Gm01	51218794	51218967	Gmdrm	hyper	CHH	0.0755
Gm01	51222984	51223184	Gmdrm	hyper	CHH	0.0507
Gm01	51274123	51275123	Gmdrm	hyper	CHH	0.0162
Gm01	51294472	51295472	Gmdrm	hyper	CHH	0.0093
Gm01	51335659	51336637	Gmdrm	hyper	CHH	0.0114
Gm01	51365200	51366192	Gmdrm	hyper	CHH	0.0108
Gm01	51374282	51374557	Gmdrm	hyper	CHH	0.0566
Gm01	51450932	51451924	Gmdrm	hyper	CHH	0.0213
Gm01	51453167	51453792	Gmdrm	hyper	CHH	0.0283
Gm01	51488545	51489526	Gmdrm	hyper	CHH	0.0187
Gm01	51513361	51514306	Gmdrm	hyper	CHH	0.0259
Gm01	51516909	51517904	Gmdrm	hyper	CHH	0.0331
Gm01	51560173	51561165	Gmdrm	hyper	CHH	0.0257
Gm01	51629583	51629819	Gmdrm	hyper	CHH	0.0425
Gm01	51674091	51674634	Gmdrm	hyper	CHH	0.0283
Gm01	51694442	51694889	Gmdrm	hyper	CHH	0.0442
Gm01	51703903	51704172	Gmdrm	hyper	CHH	0.04
Gm01	51709145	51710145	Gmdrm	hyper	CHH	0.0142
Gm01	51743826	51744808	Gmdrm	hyper	CHH	0.0207
Gm01	51894082	51894966	Gmdrm	hyper	CHH	0.0179
Gm01	51945131	51945887	Gmdrm	hyper	CHH	0.036
Gm01	51959182	51960130	Gmdrm	hyper	CHH	0.0216
Gm01	51979398	51980398	Gmdrm	hyper	CHH	0.0108
Gm01	51995550	51996544	Gmdrm	hyper	CHH	0.0122
Gm01	52045298	52045377	Gmdrm	hyper	CHH	0.05
Gm01	52064556	52064885	Gmdrm	hyper	CHH	0.0457
Gm01	52139541	52140540	Gmdrm	hyper	CHH	0.0362
Gm01	52174937	52175142	Gmdrm	hyper	CHH	0.115
Gm01	52242655	52243655	Gmdrm	hyper	CHH	0.0225
Gm01	52288257	52289231	Gmdrm	hyper	CHH	0.0107
Gm01	52296237	52296932	Gmdrm	hyper	CHH	0.0401
Gm01	52300795	52301779	Gmdrm	hyper	CHH	0.0202
Gm01	52324805	52324995	Gmdrm	hyper	CHH	0.042
Gm01	52344984	52345691	Gmdrm	hyper	CHH	0.0241
Gm01	52360572	52360895	Gmdrm	hyper	CHH	0.0157
Gm01	52361271	52362271	Gmdrm	hyper	CHH	0.0126
Gm01	52362275	52363085	Gmdrm	hyper	CHH	0.0239
Gm01	52379160	52380003	Gmdrm	hyper	CHH	0.0197
Gm01	52416035	52417015	Gmdrm	hyper	CHH	0.0106
Gm01	52443340	52443828	Gmdrm	hyper	CHH	0.0506
Gm01	52448229	52448982	Gmdrm	hyper	CHH	0.0329

Gm01	52476381	52477037	Gmdrm	hyper	CHH	0.0253
Gm01	52496806	52497253	Gmdrm	hyper	CHH	0.0179
Gm01	52503052	52503945	Gmdrm	hyper	CHH	0.0244
Gm01	52643674	52644673	Gmdrm	hyper	CHH	0.0188
Gm01	52653147	52654133	Gmdrm	hyper	CHH	0.0265
Gm01	52657226	52658225	Gmdrm	hyper	CHH	0.0158
Gm01	52696141	52697138	Gmdrm	hyper	CHH	0.0183
Gm01	52772940	52773938	Gmdrm	hyper	CHH	0.0148
Gm01	52779764	52780602	Gmdrm	hyper	CHH	0.0109
Gm01	52861603	52862603	Gmdrm	hyper	CHH	0.0359
Gm01	52881644	52882619	Gmdrm	hyper	CHH	0.0226
Gm01	52888247	52889235	Gmdrm	hyper	CHH	0.0108
Gm01	52948385	52949359	Gmdrm	hyper	CHH	0.0105
Gm01	53042578	53043015	Gmdrm	hyper	CHH	0.0316
Gm01	53060500	53061479	Gmdrm	hyper	CHH	0.014
Gm01	53064246	53065242	Gmdrm	hyper	CHH	0.0372
Gm01	53074143	53075127	Gmdrm	hyper	CHH	0.0317
Gm01	53125339	53125457	Gmdrm	hyper	CHH	0.0883
Gm01	53132105	53132705	Gmdrm	hyper	CHH	0.02
Gm01	53165428	53166383	Gmdrm	hyper	CHH	0.0329
Gm01	53168931	53169925	Gmdrm	hyper	CHH	0.0145
Gm01	53206519	53206924	Gmdrm	hyper	CHH	0.0435
Gm01	53237072	53238071	Gmdrm	hyper	CHH	0.0124
Gm01	53254771	53255765	Gmdrm	hyper	CHH	0.019
Gm01	53261559	53262558	Gmdrm	hyper	CHH	0.0114
Gm01	53286525	53287491	Gmdrm	hyper	CHH	0.0229
Gm01	53306676	53307644	Gmdrm	hyper	CHH	0.0203
Gm01	53307833	53308823	Gmdrm	hyper	CHH	0.0145
Gm01	53378239	53379231	Gmdrm	hyper	CHH	0.0127
Gm01	53390056	53390913	Gmdrm	hyper	CHH	0.0113
Gm01	53395615	53396599	Gmdrm	hyper	CHH	0.0196
Gm01	53414614	53415438	Gmdrm	hyper	CHH	0.0199
Gm01	53465399	53466381	Gmdrm	hyper	CHH	0.0158
Gm01	53505561	53506148	Gmdrm	hyper	CHH	0.0285
Gm01	53510951	53511910	Gmdrm	hyper	CHH	0.0187
Gm01	53573125	53574119	Gmdrm	hyper	CHH	0.0156
Gm01	53574127	53574545	Gmdrm	hyper	CHH	0.105
Gm01	53585322	53586309	Gmdrm	hyper	CHH	0.0388
Gm01	53634042	53634398	Gmdrm	hyper	CHH	0.0508
Gm01	53647449	53647633	Gmdrm	hyper	CHH	0.0875
Gm01	53695237	53696209	Gmdrm	hyper	CHH	0.0122
Gm01	53703597	53704588	Gmdrm	hyper	CHH	0.0187
Gm01	53708478	53708928	Gmdrm	hyper	CHH	0.0378
Gm01	53709441	53710432	Gmdrm	hyper	CHH	0.0252
Gm01	53774030	53775027	Gmdrm	hyper	CHH	0.0166
Gm01	53807658	53807882	Gmdrm	hyper	CHH	0.0196

Gm01	53839336	53839553	Gmdrm	hyper	CHH	0.0657
Gm01	53983403	53984397	Gmdrm	hyper	CHH	0.0279
Gm01	53987610	53988599	Gmdrm	hyper	CHH	0.021
Gm01	54022516	54023508	Gmdrm	hyper	CHH	0.0171
Gm01	54053027	54053983	Gmdrm	hyper	CHH	0.0198
Gm01	54060584	54060742	Gmdrm	hyper	CHH	0.0439
Gm01	54068355	54069353	Gmdrm	hyper	CHH	0.0257
Gm01	54070385	54071382	Gmdrm	hyper	CHH	0.0413
Gm01	54089786	54090362	Gmdrm	hyper	CHH	0.0291
Gm01	54111149	54111361	Gmdrm	hyper	CHH	0.016
Gm01	54115598	54116334	Gmdrm	hyper	CHH	0.0213
Gm01	54117453	54118073	Gmdrm	hyper	CHH	0.0221
Gm01	54127542	54127755	Gmdrm	hyper	CHH	0.0414
Gm01	54134538	54135528	Gmdrm	hyper	CHH	0.0169
Gm01	54223647	54224601	Gmdrm	hyper	CHH	0.0181
Gm01	54261115	54262096	Gmdrm	hyper	CHH	0.0148
Gm01	54270374	54270769	Gmdrm	hyper	CHH	0.0327
Gm01	54443093	54443676	Gmdrm	hyper	CHH	0.0337
Gm01	54464337	54465278	Gmdrm	hyper	CHH	0.0266
Gm01	54503033	54503980	Gmdrm	hyper	CHH	0.0187
Gm01	54520977	54521825	Gmdrm	hyper	CHH	0.0211
Gm01	54521936	54522380	Gmdrm	hyper	CHH	0.0357
Gm01	54538464	54539446	Gmdrm	hyper	CHH	0.0139
Gm01	54576424	54577418	Gmdrm	hyper	CHH	0.0249
Gm01	54665507	54666475	Gmdrm	hyper	CHH	0.0199
Gm01	54678005	54678998	Gmdrm	hyper	CHH	0.0222
Gm01	54722417	54722730	Gmdrm	hyper	CHH	0.0573
Gm01	54749027	54750023	Gmdrm	hyper	CHH	0.0171
Gm01	54849916	54850913	Gmdrm	hyper	CHH	0.0132
Gm01	54894031	54895015	Gmdrm	hyper	CHH	0.0122
Gm01	54986222	54987211	Gmdrm	hyper	CHH	0.0134
Gm01	55010378	55011115	Gmdrm	hyper	CHH	0.0502
Gm01	55043524	55043767	Gmdrm	hyper	CHH	0.0538
Gm01	55064510	55065161	Gmdrm	hyper	CHH	0.0194
Gm01	55074054	55074113	Gmdrm	hyper	CHH	0.11
Gm01	55085003	55085996	Gmdrm	hyper	CHH	0.0217
Gm01	55087351	55088335	Gmdrm	hyper	CHH	0.012
Gm01	55107885	55108272	Gmdrm	hyper	CHH	0.0456
Gm01	55144891	55144974	Gmdrm	hyper	CHH	0.084
Gm01	55175576	55176554	Gmdrm	hyper	CHH	0.0115
Gm01	55184511	55184629	Gmdrm	hyper	CHH	0.0677
Gm01	55232657	55233648	Gmdrm	hyper	CHH	0.0123
Gm01	55239074	55239354	Gmdrm	hyper	CHH	0.0434
Gm01	55279994	55280992	Gmdrm	hyper	CHH	0.0261
Gm01	55284777	55285734	Gmdrm	hyper	CHH	0.0504
Gm01	55406646	55407634	Gmdrm	hyper	CHH	0.0142

Gm01	55450777	55451769	Gmdrm	hyper	CHH	0.015
Gm01	55469688	55469875	Gmdrm	hyper	CHH	0.07
Gm01	55471039	55472014	Gmdrm	hyper	CHH	0.0109
Gm01	55475126	55475369	Gmdrm	hyper	CHH	0.0273
Gm01	55505441	55506371	Gmdrm	hyper	CHH	0.0353
Gm01	55654753	55654917	Gmdrm	hyper	CHH	0.0483
Gm01	55761095	55762091	Gmdrm	hyper	CHH	0.0164
Gm01	55824945	55825944	Gmdrm	hyper	CHH	0.0132
Gm01	55831822	55832811	Gmdrm	hyper	CHH	0.0222
Gm01	55869643	55869713	Gmdrm	hyper	CHH	0.0414
Gm01	55896502	55897441	Gmdrm	hyper	CHH	0.0253
Gm01	55947618	55948606	Gmdrm	hyper	CHH	0.0217
Gm01	56028351	56029349	Gmdrm	hyper	CHH	0.0213
Gm01	56031114	56031359	Gmdrm	hyper	CHH	0.0751
Gm01	56085526	56086487	Gmdrm	hyper	CHH	0.0142
Gm01	56088614	56089608	Gmdrm	hyper	CHH	0.0217
Gm01	56092303	56093285	Gmdrm	hyper	CHH	0.0145
Gm01	56205795	56206785	Gmdrm	hyper	CHH	0.0265
Gm01	56234309	56235301	Gmdrm	hyper	CHH	0.0186
Gm01	56273108	56274054	Gmdrm	hyper	CHH	0.0178
Gm01	56327928	56328908	Gmdrm	hyper	CHH	0.0131
Gm01	56334300	56335291	Gmdrm	hyper	CHH	0.0275
Gm01	56345772	56346016	Gmdrm	hyper	CHH	0.0227
Gm01	56381305	56382287	Gmdrm	hyper	CHH	0.0185
Gm01	56394315	56394538	Gmdrm	hyper	CHH	0.1045
Gm01	56419665	56420235	Gmdrm	hyper	CHH	0.0281
Gm01	56444142	56444340	Gmdrm	hyper	CHH	0.0295
Gm01	56547598	56548586	Gmdrm	hyper	CHH	0.0275
Gm01	56580409	56581211	Gmdrm	hyper	CHH	0.0163
Gm01	56597380	56597742	Gmdrm	hyper	CHH	0.0473
Gm01	56639681	56640677	Gmdrm	hyper	CHH	0.0159
Gm01	56752207	56752459	Gmdrm	hyper	CHH	0.0491
Gm01	56777640	56778614	Gmdrm	hyper	CHH	0.029
Gm01	56845296	56846267	Gmdrm	hyper	CHH	0.017
Gm01	56850034	56850956	Gmdrm	hyper	CHH	0.0148
Gm01	56928155	56928444	Gmdrm	hyper	CHH	0.022
Gm01	56929573	56930571	Gmdrm	hyper	CHH	0.017
Gm01	56967830	56968678	Gmdrm	hyper	CHH	0.0249
Gm01	56999089	56999156	Gmdrm	hyper	CHH	0.128
Gm01	57005955	57006909	Gmdrm	hyper	CHH	0.0163
Gm01	57018496	57019494	Gmdrm	hyper	CHH	0.0111
Gm01	57112379	57113363	Gmdrm	hyper	CHH	0.0356
Gm01	57115864	57116842	Gmdrm	hyper	CHH	0.0165
Gm01	57192736	57193184	Gmdrm	hyper	CHH	0.0267
Gm01	57297000	57297802	Gmdrm	hyper	CHH	0.027
Gm01	57317881	57318875	Gmdrm	hyper	CHH	0.0159

Gm01	57365975	57366526	Gmdrm	hyper	CHH	0.0335
Gm01	57385536	57386512	Gmdrm	hyper	CHH	0.0154
Gm01	57397321	57398315	Gmdrm	hyper	CHH	0.0149
Gm01	57425176	57426017	Gmdrm	hyper	CHH	0.0236
Gm01	57426153	57426374	Gmdrm	hyper	CHH	0.0911
Gm01	57426482	57427465	Gmdrm	hyper	CHH	0.0176
Gm01	57453268	57454255	Gmdrm	hyper	CHH	0.0178
Gm01	57455292	57456247	Gmdrm	hyper	CHH	0.0153
Gm01	57458019	57458994	Gmdrm	hyper	CHH	0.0176
Gm01	57520327	57521312	Gmdrm	hyper	CHH	0.0243
Gm01	57543492	57543537	Gmdrm	hyper	CHH	0.034
Gm01	57554956	57555951	Gmdrm	hyper	CHH	0.0275
Gm01	57573136	57574127	Gmdrm	hyper	CHH	0.0156
Gm01	57578572	57579088	Gmdrm	hyper	CHH	0.0287
Gm01	57594714	57595685	Gmdrm	hyper	CHH	0.0364
Gm01	57642938	57643684	Gmdrm	hyper	CHH	0.0368
Gm01	57692649	57693636	Gmdrm	hyper	CHH	0.0337
Gm01	57694673	57694922	Gmdrm	hyper	CHH	0.0359
Gm01	57705219	57705747	Gmdrm	hyper	CHH	0.0663
Gm01	57756729	57757728	Gmdrm	hyper	CHH	0.0169
Gm01	57770991	57771990	Gmdrm	hyper	CHH	0.0213
Gm01	57897666	57898609	Gmdrm	hyper	CHH	0.0313
Gm02	6228	7210	Gmdrm	hyper	CHH	0.0241
Gm02	21298	21401	Gmdrm	hyper	CHH	0.06
Gm02	119931	120930	Gmdrm	hyper	CHH	0.0329
Gm02	128321	128474	Gmdrm	hyper	CHH	0.092
Gm02	173133	174121	Gmdrm	hyper	CHH	0.0723
Gm02	177819	178812	Gmdrm	hyper	CHH	0.0201
Gm02	229025	230018	Gmdrm	hyper	CHH	0.0234
Gm02	265543	266516	Gmdrm	hyper	CHH	0.0143
Gm02	292610	293107	Gmdrm	hyper	CHH	0.0462
Gm02	394023	394999	Gmdrm	hyper	CHH	0.0124
Gm02	421538	422520	Gmdrm	hyper	CHH	0.0266
Gm02	424226	425223	Gmdrm	hyper	CHH	0.0251
Gm02	430344	431343	Gmdrm	hyper	CHH	0.0129
Gm02	432665	433617	Gmdrm	hyper	CHH	0.0169
Gm02	455464	456435	Gmdrm	hyper	CHH	0.0144
Gm02	493361	494359	Gmdrm	hyper	CHH	0.0216
Gm02	519861	520840	Gmdrm	hyper	CHH	0.0202
Gm02	532524	533522	Gmdrm	hyper	CHH	0.0135
Gm02	605525	606338	Gmdrm	hyper	CHH	0.0229
Gm02	631181	632179	Gmdrm	hyper	CHH	0.0219
Gm02	657607	657861	Gmdrm	hyper	CHH	0.0272
Gm02	681688	682681	Gmdrm	hyper	CHH	0.014
Gm02	683729	684726	Gmdrm	hyper	CHH	0.0116
Gm02	687857	688855	Gmdrm	hyper	CHH	0.0363

Gm02	701796	702192	Gmdrm	hyper	CHH	0.0506
Gm02	712952	713038	Gmdrm	hyper	CHH	0.07
Gm02	817516	818506	Gmdrm	hyper	CHH	0.0184
Gm02	818543	819538	Gmdrm	hyper	CHH	0.026
Gm02	840609	841593	Gmdrm	hyper	CHH	0.0158
Gm02	912479	912969	Gmdrm	hyper	CHH	0.0165
Gm02	928643	929185	Gmdrm	hyper	CHH	0.0303
Gm02	1031431	1032418	Gmdrm	hyper	CHH	0.022
Gm02	1077080	1077345	Gmdrm	hyper	CHH	0.057
Gm02	1131036	1131959	Gmdrm	hyper	CHH	0.0272
Gm02	1236676	1236777	Gmdrm	hyper	CHH	0.04
Gm02	1284049	1285043	Gmdrm	hyper	CHH	0.0142
Gm02	1327387	1328383	Gmdrm	hyper	CHH	0.0183
Gm02	1376845	1377014	Gmdrm	hyper	CHH	0.0757
Gm02	1383454	1384450	Gmdrm	hyper	CHH	0.0087
Gm02	1395147	1396109	Gmdrm	hyper	CHH	0.0352
Gm02	1445805	1445906	Gmdrm	hyper	CHH	0.038
Gm02	1493989	1494773	Gmdrm	hyper	CHH	0.0151
Gm02	1513205	1514201	Gmdrm	hyper	CHH	0.0115
Gm02	1567819	1568799	Gmdrm	hyper	CHH	0.0167
Gm02	1576295	1577250	Gmdrm	hyper	CHH	0.013
Gm02	1590836	1591803	Gmdrm	hyper	CHH	0.0236
Gm02	1595653	1596078	Gmdrm	hyper	CHH	0.074
Gm02	1621645	1622360	Gmdrm	hyper	CHH	0.0196
Gm02	1640606	1641586	Gmdrm	hyper	CHH	0.0241
Gm02	1727019	1728009	Gmdrm	hyper	CHH	0.0231
Gm02	1733863	1734858	Gmdrm	hyper	CHH	0.0207
Gm02	1855038	1856022	Gmdrm	hyper	CHH	0.0174
Gm02	1856048	1856726	Gmdrm	hyper	CHH	0.0164
Gm02	1874678	1875671	Gmdrm	hyper	CHH	0.0297
Gm02	1919233	1920089	Gmdrm	hyper	CHH	0.0362
Gm02	1940982	1941970	Gmdrm	hyper	CHH	0.0177
Gm02	1943706	1943818	Gmdrm	hyper	CHH	0.044
Gm02	1950811	1951735	Gmdrm	hyper	CHH	0.0176
Gm02	2049412	2049927	Gmdrm	hyper	CHH	0.032
Gm02	2137850	2138675	Gmdrm	hyper	CHH	0.011
Gm02	2141450	2142436	Gmdrm	hyper	CHH	0.0178
Gm02	2147831	2148229	Gmdrm	hyper	CHH	0.0239
Gm02	2213954	2214935	Gmdrm	hyper	CHH	0.0392
Gm02	2217383	2217454	Gmdrm	hyper	CHH	0.05
Gm02	2257139	2258097	Gmdrm	hyper	CHH	0.0181
Gm02	2299894	2300418	Gmdrm	hyper	CHH	0.0225
Gm02	2306436	2307425	Gmdrm	hyper	CHH	0.0302
Gm02	2362500	2363296	Gmdrm	hyper	CHH	0.018
Gm02	2421986	2422960	Gmdrm	hyper	CHH	0.0275
Gm02	2443235	2444223	Gmdrm	hyper	CHH	0.0167

Gm02	2469654	2470649	Gmdrm	hyper	CHH	0.0344
Gm02	2581173	2581390	Gmdrm	hyper	CHH	0.0564
Gm02	2583346	2583710	Gmdrm	hyper	CHH	0.0469
Gm02	2653903	2654894	Gmdrm	hyper	CHH	0.0254
Gm02	2668960	2669196	Gmdrm	hyper	CHH	0.0581
Gm02	2776133	2777128	Gmdrm	hyper	CHH	0.0155
Gm02	2780552	2780681	Gmdrm	hyper	CHH	0.0234
Gm02	2847365	2848347	Gmdrm	hyper	CHH	0.0221
Gm02	2850638	2851638	Gmdrm	hyper	CHH	0.0687
Gm02	2861422	2862175	Gmdrm	hyper	CHH	0.0207
Gm02	2879020	2880009	Gmdrm	hyper	CHH	0.0152
Gm02	2906740	2907521	Gmdrm	hyper	CHH	0.0314
Gm02	3152045	3153043	Gmdrm	hyper	CHH	0.0163
Gm02	3163054	3164048	Gmdrm	hyper	CHH	0.0154
Gm02	3164764	3165755	Gmdrm	hyper	CHH	0.0252
Gm02	3174501	3175488	Gmdrm	hyper	CHH	0.0386
Gm02	3184521	3185519	Gmdrm	hyper	CHH	0.0122
Gm02	3200217	3201206	Gmdrm	hyper	CHH	0.0131
Gm02	3290066	3290549	Gmdrm	hyper	CHH	0.0196
Gm02	3296905	3297897	Gmdrm	hyper	CHH	0.0153
Gm02	3355426	3356426	Gmdrm	hyper	CHH	0.0255
Gm02	3369626	3370592	Gmdrm	hyper	CHH	0.0198
Gm02	3371465	3372450	Gmdrm	hyper	CHH	0.02
Gm02	3387413	3388407	Gmdrm	hyper	CHH	0.024
Gm02	3459784	3460207	Gmdrm	hyper	CHH	0.0339
Gm02	3466167	3466470	Gmdrm	hyper	CHH	0.0214
Gm02	3540414	3541319	Gmdrm	hyper	CHH	0.0113
Gm02	3579795	3580788	Gmdrm	hyper	CHH	0.013
Gm02	3581807	3582804	Gmdrm	hyper	CHH	0.0517
Gm02	3680216	3681215	Gmdrm	hyper	CHH	0.0127
Gm02	3751783	3752063	Gmdrm	hyper	CHH	0.0273
Gm02	3762108	3762392	Gmdrm	hyper	CHH	0.0472
Gm02	3884299	3884866	Gmdrm	hyper	CHH	0.0167
Gm02	3953224	3954061	Gmdrm	hyper	CHH	0.032
Gm02	3955200	3956193	Gmdrm	hyper	CHH	0.021
Gm02	3979180	3980180	Gmdrm	hyper	CHH	0.0175
Gm02	3997722	3998630	Gmdrm	hyper	CHH	0.0362
Gm02	4013462	4014453	Gmdrm	hyper	CHH	0.0362
Gm02	4042487	4043487	Gmdrm	hyper	CHH	0.015
Gm02	4076731	4077722	Gmdrm	hyper	CHH	0.0446
Gm02	4111123	4112117	Gmdrm	hyper	CHH	0.0225
Gm02	4115179	4116175	Gmdrm	hyper	CHH	0.0199
Gm02	4117189	4118183	Gmdrm	hyper	CHH	0.0231
Gm02	4120854	4121152	Gmdrm	hyper	CHH	0.0469
Gm02	4161055	4162055	Gmdrm	hyper	CHH	0.01
Gm02	4224415	4225411	Gmdrm	hyper	CHH	0.0187

Gm02	4353833	4354826	Gmdrm	hyper	CHH	0.0451
Gm02	4361146	4362134	Gmdrm	hyper	CHH	0.0151
Gm02	4414437	4415312	Gmdrm	hyper	CHH	0.0223
Gm02	4456373	4457009	Gmdrm	hyper	CHH	0.0348
Gm02	4495365	4495792	Gmdrm	hyper	CHH	0.0448
Gm02	4572242	4573238	Gmdrm	hyper	CHH	0.0117
Gm02	4580032	4581017	Gmdrm	hyper	CHH	0.0306
Gm02	4611734	4611926	Gmdrm	hyper	CHH	0.1741
Gm02	4764556	4765555	Gmdrm	hyper	CHH	0.0132
Gm02	4809499	4810492	Gmdrm	hyper	CHH	0.0199
Gm02	4870542	4871469	Gmdrm	hyper	CHH	0.0141
Gm02	4950763	4951737	Gmdrm	hyper	CHH	0.01
Gm02	5063059	5063530	Gmdrm	hyper	CHH	0.0557
Gm02	5119228	5120161	Gmdrm	hyper	CHH	0.0251
Gm02	5177676	5178674	Gmdrm	hyper	CHH	0.0246
Gm02	5247123	5248114	Gmdrm	hyper	CHH	0.0188
Gm02	5266602	5266891	Gmdrm	hyper	CHH	0.0274
Gm02	5282052	5283019	Gmdrm	hyper	CHH	0.0132
Gm02	5347777	5347984	Gmdrm	hyper	CHH	0.0491
Gm02	5367040	5367872	Gmdrm	hyper	CHH	0.0213
Gm02	5408258	5409243	Gmdrm	hyper	CHH	0.0319
Gm02	5535154	5536149	Gmdrm	hyper	CHH	0.0208
Gm02	5545278	5546261	Gmdrm	hyper	CHH	0.0147
Gm02	5563856	5564455	Gmdrm	hyper	CHH	0.0274
Gm02	5586744	5587738	Gmdrm	hyper	CHH	0.0244
Gm02	5591695	5591840	Gmdrm	hyper	CHH	0.1334
Gm02	5650159	5651138	Gmdrm	hyper	CHH	0.0263
Gm02	5698801	5699077	Gmdrm	hyper	CHH	0.0224
Gm02	5734043	5734682	Gmdrm	hyper	CHH	0.022
Gm02	5752377	5753060	Gmdrm	hyper	CHH	0.0242
Gm02	5782449	5783449	Gmdrm	hyper	CHH	0.0165
Gm02	5800259	5801257	Gmdrm	hyper	CHH	0.0248
Gm02	5841138	5842120	Gmdrm	hyper	CHH	0.0138
Gm02	5895640	5896356	Gmdrm	hyper	CHH	0.0528
Gm02	5927363	5927390	Gmdrm	hyper	CHH	0.0417
Gm02	5939491	5940490	Gmdrm	hyper	CHH	0.0153
Gm02	5953207	5954198	Gmdrm	hyper	CHH	0.0164
Gm02	5957367	5958356	Gmdrm	hyper	CHH	0.0225
Gm02	5986273	5987068	Gmdrm	hyper	CHH	0.0159
Gm02	6002832	6003529	Gmdrm	hyper	CHH	0.0263
Gm02	6104077	6104282	Gmdrm	hyper	CHH	0.045
Gm02	6185748	6186746	Gmdrm	hyper	CHH	0.0219
Gm02	6308186	6309165	Gmdrm	hyper	CHH	0.0149
Gm02	6321167	6322164	Gmdrm	hyper	CHH	0.0181
Gm02	6339657	6340647	Gmdrm	hyper	CHH	0.0251
Gm02	6367749	6368741	Gmdrm	hyper	CHH	0.0219

Gm02	6371785	6372752	Gmdrm	hyper	CHH	0.016
Gm02	6381214	6382168	Gmdrm	hyper	CHH	0.0222
Gm02	6393708	6394195	Gmdrm	hyper	CHH	0.0266
Gm02	6420369	6421359	Gmdrm	hyper	CHH	0.0176
Gm02	6557127	6557442	Gmdrm	hyper	CHH	0.0375
Gm02	6606099	6606862	Gmdrm	hyper	CHH	0.0112
Gm02	6612660	6613053	Gmdrm	hyper	CHH	0.0362
Gm02	6673223	6673788	Gmdrm	hyper	CHH	0.0412
Gm02	6676881	6677498	Gmdrm	hyper	CHH	0.041
Gm02	6678355	6679346	Gmdrm	hyper	CHH	0.0195
Gm02	6733590	6734559	Gmdrm	hyper	CHH	0.0175
Gm02	6773847	6774468	Gmdrm	hyper	CHH	0.0274
Gm02	6804414	6805410	Gmdrm	hyper	CHH	0.0191
Gm02	6883275	6884259	Gmdrm	hyper	CHH	0.0242
Gm02	6911732	6912696	Gmdrm	hyper	CHH	0.0162
Gm02	6923318	6924280	Gmdrm	hyper	CHH	0.0234
Gm02	6949759	6950349	Gmdrm	hyper	CHH	0.0148
Gm02	6964947	6965892	Gmdrm	hyper	CHH	0.0201
Gm02	6984666	6985441	Gmdrm	hyper	CHH	0.0211
Gm02	6995275	6996262	Gmdrm	hyper	CHH	0.0185
Gm02	7011493	7012436	Gmdrm	hyper	CHH	0.0242
Gm02	7084141	7084851	Gmdrm	hyper	CHH	0.0247
Gm02	7161033	7161984	Gmdrm	hyper	CHH	0.0258
Gm02	7167641	7168638	Gmdrm	hyper	CHH	0.0155
Gm02	7168645	7169633	Gmdrm	hyper	CHH	0.0153
Gm02	7189181	7190161	Gmdrm	hyper	CHH	0.0346
Gm02	7233288	7234278	Gmdrm	hyper	CHH	0.0174
Gm02	7245024	7246019	Gmdrm	hyper	CHH	0.0182
Gm02	7258541	7258868	Gmdrm	hyper	CHH	0.0369
Gm02	7288010	7289008	Gmdrm	hyper	CHH	0.0144
Gm02	7307281	7307919	Gmdrm	hyper	CHH	0.0263
Gm02	7311722	7312721	Gmdrm	hyper	CHH	0.0143
Gm02	7377714	7378695	Gmdrm	hyper	CHH	0.0104
Gm02	7413465	7414464	Gmdrm	hyper	CHH	0.0195
Gm02	7455689	7456678	Gmdrm	hyper	CHH	0.017
Gm02	7468557	7468681	Gmdrm	hyper	CHH	0.0746
Gm02	7511137	7512121	Gmdrm	hyper	CHH	0.0241
Gm02	7603003	7603930	Gmdrm	hyper	CHH	0.0489
Gm02	7625817	7626811	Gmdrm	hyper	CHH	0.0488
Gm02	7649770	7650010	Gmdrm	hyper	CHH	0.0707
Gm02	7725933	7726923	Gmdrm	hyper	CHH	0.0594
Gm02	7727951	7728949	Gmdrm	hyper	CHH	0.0705
Gm02	7728952	7729946	Gmdrm	hyper	CHH	0.0402
Gm02	7743055	7744045	Gmdrm	hyper	CHH	0.0567
Gm02	7755487	7756067	Gmdrm	hyper	CHH	0.0269
Gm02	7775021	7776021	Gmdrm	hyper	CHH	0.0137

Gm02	7801506	7802473	Gmdrm	hyper	CHH	0.0397
Gm02	7863087	7864086	Gmdrm	hyper	CHH	0.0193
Gm02	7940417	7941044	Gmdrm	hyper	CHH	0.0361
Gm02	7975077	7976076	Gmdrm	hyper	CHH	0.0287
Gm02	7987215	7987783	Gmdrm	hyper	CHH	0.0436
Gm02	8037687	8038646	Gmdrm	hyper	CHH	0.0399
Gm02	8065138	8066094	Gmdrm	hyper	CHH	0.0254
Gm02	8066141	8067137	Gmdrm	hyper	CHH	0.0127
Gm02	8254126	8254607	Gmdrm	hyper	CHH	0.0541
Gm02	8300869	8301848	Gmdrm	hyper	CHH	0.0141
Gm02	8343148	8344135	Gmdrm	hyper	CHH	0.1197
Gm02	8427275	8428272	Gmdrm	hyper	CHH	0.0134
Gm02	8459850	8459962	Gmdrm	hyper	CHH	0.125
Gm02	8471764	8472761	Gmdrm	hyper	CHH	0.0191
Gm02	8487874	8488850	Gmdrm	hyper	CHH	0.0181
Gm02	8594928	8595909	Gmdrm	hyper	CHH	0.024
Gm02	8624999	8625980	Gmdrm	hyper	CHH	0.014
Gm02	8700210	8701174	Gmdrm	hyper	CHH	0.02
Gm02	8761360	8762309	Gmdrm	hyper	CHH	0.0198
Gm02	8774449	8774635	Gmdrm	hyper	CHH	0.08
Gm02	8796512	8797502	Gmdrm	hyper	CHH	0.0232
Gm02	8839491	8840489	Gmdrm	hyper	CHH	0.0494
Gm02	9205130	9206128	Gmdrm	hyper	CHH	0.0709
Gm02	9253168	9254166	Gmdrm	hyper	CHH	0.0481
Gm02	9297514	9297711	Gmdrm	hyper	CHH	0.0245
Gm02	9331513	9332500	Gmdrm	hyper	CHH	0.0128
Gm02	9347924	9348922	Gmdrm	hyper	CHH	0.0156
Gm02	9427303	9428262	Gmdrm	hyper	CHH	0.0171
Gm02	9445093	9446090	Gmdrm	hyper	CHH	0.0185
Gm02	9480932	9481920	Gmdrm	hyper	CHH	0.0264
Gm02	9498162	9499156	Gmdrm	hyper	CHH	0.0645
Gm02	9500194	9501174	Gmdrm	hyper	CHH	0.0211
Gm02	9573026	9573218	Gmdrm	hyper	CHH	0.0296
Gm02	9613913	9614913	Gmdrm	hyper	CHH	0.0099
Gm02	9663260	9664240	Gmdrm	hyper	CHH	0.0627
Gm02	9836001	9836999	Gmdrm	hyper	CHH	0.0173
Gm02	9987342	9988313	Gmdrm	hyper	CHH	0.0291
Gm02	9989372	9990355	Gmdrm	hyper	CHH	0.0143
Gm02	10039856	10040853	Gmdrm	hyper	CHH	0.0218
Gm02	10040870	10041442	Gmdrm	hyper	CHH	0.0192
Gm02	10050351	10051251	Gmdrm	hyper	CHH	0.0179
Gm02	10061023	10062013	Gmdrm	hyper	CHH	0.0206
Gm02	10092282	10093265	Gmdrm	hyper	CHH	0.0193
Gm02	10107354	10108352	Gmdrm	hyper	CHH	0.0186
Gm02	10126469	10126620	Gmdrm	hyper	CHH	0.0333
Gm02	10133345	10134295	Gmdrm	hyper	CHH	0.0218

Gm02	10195528	10196520	Gmdrm	hyper	CHH	0.0268
Gm02	10212628	10213624	Gmdrm	hyper	CHH	0.0149
Gm02	10216324	10217009	Gmdrm	hyper	CHH	0.0163
Gm02	10284147	10285144	Gmdrm	hyper	CHH	0.0226
Gm02	10318250	10319249	Gmdrm	hyper	CHH	0.0173
Gm02	10333150	10334128	Gmdrm	hyper	CHH	0.0124
Gm02	10334206	10335186	Gmdrm	hyper	CHH	0.0134
Gm02	10402951	10403949	Gmdrm	hyper	CHH	0.0188
Gm02	10429553	10430547	Gmdrm	hyper	CHH	0.0122
Gm02	10541790	10542761	Gmdrm	hyper	CHH	0.0127
Gm02	10590772	10591765	Gmdrm	hyper	CHH	0.0126
Gm02	10597193	10598193	Gmdrm	hyper	CHH	0.0128
Gm02	10613596	10614573	Gmdrm	hyper	CHH	0.0167
Gm02	10627911	10628891	Gmdrm	hyper	CHH	0.0169
Gm02	10638148	10639076	Gmdrm	hyper	CHH	0.0194
Gm02	10659545	10660538	Gmdrm	hyper	CHH	0.0689
Gm02	10662264	10663258	Gmdrm	hyper	CHH	0.0413
Gm02	10663267	10663389	Gmdrm	hyper	CHH	0.0467
Gm02	10707443	10708432	Gmdrm	hyper	CHH	0.0201
Gm02	10731088	10731258	Gmdrm	hyper	CHH	0.0233
Gm02	10816059	10817029	Gmdrm	hyper	CHH	0.0145
Gm02	10845900	10846876	Gmdrm	hyper	CHH	0.0265
Gm02	10866521	10867511	Gmdrm	hyper	CHH	0.0223
Gm02	10869534	10870521	Gmdrm	hyper	CHH	0.0173
Gm02	10872592	10873591	Gmdrm	hyper	CHH	0.0135
Gm02	10876640	10877632	Gmdrm	hyper	CHH	0.0164
Gm02	10929543	10930539	Gmdrm	hyper	CHH	0.0101
Gm02	10943305	10944285	Gmdrm	hyper	CHH	0.0185
Gm02	10944307	10945283	Gmdrm	hyper	CHH	0.0181
Gm02	10945317	10945799	Gmdrm	hyper	CHH	0.0193
Gm02	10945930	10946901	Gmdrm	hyper	CHH	0.0153
Gm02	10962338	10963106	Gmdrm	hyper	CHH	0.0278
Gm02	10964241	10965238	Gmdrm	hyper	CHH	0.0143
Gm02	11029111	11029967	Gmdrm	hyper	CHH	0.0226
Gm02	11194324	11194754	Gmdrm	hyper	CHH	0.0209
Gm02	11209300	11210290	Gmdrm	hyper	CHH	0.0135
Gm02	11377290	11378275	Gmdrm	hyper	CHH	0.0175
Gm02	11519641	11520594	Gmdrm	hyper	CHH	0.0168
Gm02	11706158	11707143	Gmdrm	hyper	CHH	0.0216
Gm02	11747841	11748800	Gmdrm	hyper	CHH	0.0168
Gm02	11748864	11749826	Gmdrm	hyper	CHH	0.0206
Gm02	11777375	11777882	Gmdrm	hyper	CHH	0.0364
Gm02	11791222	11792219	Gmdrm	hyper	CHH	0.0212
Gm02	11911471	11912470	Gmdrm	hyper	CHH	0.0113
Gm02	11936733	11937731	Gmdrm	hyper	CHH	0.0515
Gm02	12012224	12012804	Gmdrm	hyper	CHH	0.0149

Gm02	12037519	12038514	Gmdrm	hyper	CHH	0.0112
Gm02	12066864	12067811	Gmdrm	hyper	CHH	0.0139
Gm02	12070948	12071475	Gmdrm	hyper	CHH	0.035
Gm02	12078046	12078280	Gmdrm	hyper	CHH	0.0312
Gm02	12116762	12117728	Gmdrm	hyper	CHH	0.0158
Gm02	12126378	12127359	Gmdrm	hyper	CHH	0.0151
Gm02	12156706	12157706	Gmdrm	hyper	CHH	0.0364
Gm02	12167527	12168160	Gmdrm	hyper	CHH	0.0275
Gm02	12231290	12232288	Gmdrm	hyper	CHH	0.0137
Gm02	12313029	12314026	Gmdrm	hyper	CHH	0.063
Gm02	12321295	12321350	Gmdrm	hyper	CHH	0.036
Gm02	12353750	12354744	Gmdrm	hyper	CHH	0.018
Gm02	12379212	12379571	Gmdrm	hyper	CHH	0.0211
Gm02	12696459	12696864	Gmdrm	hyper	CHH	0.0525
Gm02	12725847	12726846	Gmdrm	hyper	CHH	0.0164
Gm02	12771567	12771765	Gmdrm	hyper	CHH	0.0581
Gm02	12772665	12773660	Gmdrm	hyper	CHH	0.0171
Gm02	12819000	12819992	Gmdrm	hyper	CHH	0.0195
Gm02	12922676	12923631	Gmdrm	hyper	CHH	0.0341
Gm02	12956269	12956530	Gmdrm	hyper	CHH	0.022
Gm02	12965489	12966462	Gmdrm	hyper	CHH	0.0534
Gm02	13171795	13172484	Gmdrm	hyper	CHH	0.0154
Gm02	14098836	14099422	Gmdrm	hyper	CHH	0.0264
Gm02	14218099	14219099	Gmdrm	hyper	CHH	0.0188
Gm02	14278133	14279127	Gmdrm	hyper	CHH	0.0123
Gm02	14289678	14289809	Gmdrm	hyper	CHH	0.0444
Gm02	14295680	14295740	Gmdrm	hyper	CHH	0.04
Gm02	14322679	14323675	Gmdrm	hyper	CHH	0.0165
Gm02	14334891	14335345	Gmdrm	hyper	CHH	0.0283
Gm02	14364333	14364818	Gmdrm	hyper	CHH	0.0142
Gm02	14407875	14408864	Gmdrm	hyper	CHH	0.0244
Gm02	14433917	14434903	Gmdrm	hyper	CHH	0.0221
Gm02	14443235	14444220	Gmdrm	hyper	CHH	0.0116
Gm02	14460020	14461002	Gmdrm	hyper	CHH	0.0183
Gm02	14504178	14504667	Gmdrm	hyper	CHH	0.0336
Gm02	14516872	14517872	Gmdrm	hyper	CHH	0.0647
Gm02	14582259	14583244	Gmdrm	hyper	CHH	0.0321
Gm02	14627479	14628141	Gmdrm	hyper	CHH	0.0318
Gm02	14761745	14762680	Gmdrm	hyper	CHH	0.0109
Gm02	14762982	14763980	Gmdrm	hyper	CHH	0.017
Gm02	14814385	14815225	Gmdrm	hyper	CHH	0.0365
Gm02	14848844	14849840	Gmdrm	hyper	CHH	0.0152
Gm02	14866025	14866994	Gmdrm	hyper	CHH	0.0148
Gm02	14918882	14919846	Gmdrm	hyper	CHH	0.0142
Gm02	14933966	14934964	Gmdrm	hyper	CHH	0.0149
Gm02	14945279	14946258	Gmdrm	hyper	CHH	0.0435

Gm02	14956818	14956862	Gmdrm	hyper	CHH	0.102
Gm02	15030441	15031388	Gmdrm	hyper	CHH	0.0152
Gm02	15061116	15062042	Gmdrm	hyper	CHH	0.0119
Gm02	15116727	15117378	Gmdrm	hyper	CHH	0.0198
Gm02	15243039	15243239	Gmdrm	hyper	CHH	0.1143
Gm02	15245151	15245408	Gmdrm	hyper	CHH	0.1376
Gm02	15260213	15260581	Gmdrm	hyper	CHH	0.0289
Gm02	15282030	15283028	Gmdrm	hyper	CHH	0.0332
Gm02	15355963	15356956	Gmdrm	hyper	CHH	0.0191
Gm02	15381810	15382801	Gmdrm	hyper	CHH	0.0236
Gm02	15419032	15419977	Gmdrm	hyper	CHH	0.0298
Gm02	15421971	15422969	Gmdrm	hyper	CHH	0.0161
Gm02	15449202	15450141	Gmdrm	hyper	CHH	0.0183
Gm02	15454715	15455679	Gmdrm	hyper	CHH	0.0284
Gm02	15549493	15549749	Gmdrm	hyper	CHH	0.026
Gm02	15568381	15568978	Gmdrm	hyper	CHH	0.0165
Gm02	15591189	15591305	Gmdrm	hyper	CHH	0.0725
Gm02	15593448	15594423	Gmdrm	hyper	CHH	0.0167
Gm02	15596475	15597428	Gmdrm	hyper	CHH	0.0167
Gm02	15650442	15651439	Gmdrm	hyper	CHH	0.0149
Gm02	15651473	15652465	Gmdrm	hyper	CHH	0.0116
Gm02	15657093	15658084	Gmdrm	hyper	CHH	0.0159
Gm02	15694386	15695383	Gmdrm	hyper	CHH	0.0174
Gm02	15697895	15698895	Gmdrm	hyper	CHH	0.0522
Gm02	15710219	15711218	Gmdrm	hyper	CHH	0.0188
Gm02	15735624	15736623	Gmdrm	hyper	CHH	0.0193
Gm02	15758972	15759966	Gmdrm	hyper	CHH	0.0285
Gm02	15827953	15828123	Gmdrm	hyper	CHH	0.05
Gm02	15845631	15846627	Gmdrm	hyper	CHH	0.0176
Gm02	15897832	15898150	Gmdrm	hyper	CHH	0.0229
Gm02	15902463	15903430	Gmdrm	hyper	CHH	0.0109
Gm02	15951349	15952339	Gmdrm	hyper	CHH	0.015
Gm02	15953413	15954289	Gmdrm	hyper	CHH	0.025
Gm02	15972669	15973668	Gmdrm	hyper	CHH	0.0117
Gm02	15991780	15992699	Gmdrm	hyper	CHH	0.0219
Gm02	16001935	16002847	Gmdrm	hyper	CHH	0.0256
Gm02	16041577	16042535	Gmdrm	hyper	CHH	0.0321
Gm02	16065784	16066773	Gmdrm	hyper	CHH	0.0222
Gm02	16103704	16104699	Gmdrm	hyper	CHH	0.0111
Gm02	16104706	16105679	Gmdrm	hyper	CHH	0.0154
Gm02	16112229	16113224	Gmdrm	hyper	CHH	0.014
Gm02	16129085	16129374	Gmdrm	hyper	CHH	0.0462
Gm02	16134236	16134774	Gmdrm	hyper	CHH	0.0176
Gm02	16141113	16142098	Gmdrm	hyper	CHH	0.0113
Gm02	16306821	16307075	Gmdrm	hyper	CHH	0.0271
Gm02	16341392	16342361	Gmdrm	hyper	CHH	0.0125

Gm02	16364433	16365238	Gmdrm	hyper	CHH	0.0284
Gm02	16367739	16367931	Gmdrm	hyper	CHH	0.0407
Gm02	16376419	16377417	Gmdrm	hyper	CHH	0.0529
Gm02	16377420	16378420	Gmdrm	hyper	CHH	0.0723
Gm02	16400447	16401435	Gmdrm	hyper	CHH	0.0614
Gm02	16429572	16430570	Gmdrm	hyper	CHH	0.0398
Gm02	16558351	16559335	Gmdrm	hyper	CHH	0.0494
Gm02	16583105	16584103	Gmdrm	hyper	CHH	0.035
Gm02	16584110	16585076	Gmdrm	hyper	CHH	0.0339
Gm02	16664478	16665421	Gmdrm	hyper	CHH	0.0941
Gm02	16824546	16824602	Gmdrm	hyper	CHH	0.1817
Gm02	16931278	16932272	Gmdrm	hyper	CHH	0.0459
Gm02	17001426	17001831	Gmdrm	hyper	CHH	0.0172
Gm02	17059946	17060367	Gmdrm	hyper	CHH	0.0414
Gm02	17064783	17065780	Gmdrm	hyper	CHH	0.061
Gm02	17239031	17239272	Gmdrm	hyper	CHH	0.0958
Gm02	17525934	17526922	Gmdrm	hyper	CHH	0.0411
Gm02	17528946	17529946	Gmdrm	hyper	CHH	0.037
Gm02	17530951	17531951	Gmdrm	hyper	CHH	0.0331
Gm02	17667010	17668007	Gmdrm	hyper	CHH	0.0645
Gm02	17988086	17989079	Gmdrm	hyper	CHH	0.0301
Gm02	17994112	17995109	Gmdrm	hyper	CHH	0.0513
Gm02	18067414	18068395	Gmdrm	hyper	CHH	0.0196
Gm02	18079457	18080292	Gmdrm	hyper	CHH	0.0155
Gm02	18207152	18208151	Gmdrm	hyper	CHH	0.041
Gm02	18208168	18209160	Gmdrm	hyper	CHH	0.0285
Gm02	18249452	18250142	Gmdrm	hyper	CHH	0.0205
Gm02	18293453	18294452	Gmdrm	hyper	CHH	0.0636
Gm02	18331788	18332320	Gmdrm	hyper	CHH	0.0869
Gm02	18637407	18638399	Gmdrm	hyper	CHH	0.0476
Gm02	18655046	18655257	Gmdrm	hyper	CHH	0.1845
Gm02	18720386	18721379	Gmdrm	hyper	CHH	0.0122
Gm02	18839666	18840665	Gmdrm	hyper	CHH	0.0427
Gm02	19097885	19098826	Gmdrm	hyper	CHH	0.0226
Gm02	19312888	19313872	Gmdrm	hyper	CHH	0.0358
Gm02	19327043	19327736	Gmdrm	hyper	CHH	0.0669
Gm02	19379288	19380281	Gmdrm	hyper	CHH	0.0555
Gm02	19400603	19400953	Gmdrm	hyper	CHH	0.1052
Gm02	19540796	19540894	Gmdrm	hyper	CHH	0.1589
Gm02	19724731	19725382	Gmdrm	hyper	CHH	0.0545
Gm02	19813831	19814186	Gmdrm	hyper	CHH	0.089
Gm02	20069184	20069261	Gmdrm	hyper	CHH	0.258
Gm02	20105568	20106566	Gmdrm	hyper	CHH	0.0186
Gm02	20743254	20743616	Gmdrm	hyper	CHH	0.1309
Gm02	20905720	20905922	Gmdrm	hyper	CHH	0.2322
Gm02	21045530	21045636	Gmdrm	hyper	CHH	0.1467

Gm02	21260720	21261718	Gmdrm	hyper	CHH	0.0534
Gm02	21306151	21306173	Gmdrm	hyper	CHH	0.2743
Gm02	21727213	21727682	Gmdrm	hyper	CHH	0.0863
Gm02	21737256	21737516	Gmdrm	hyper	CHH	0.176
Gm02	21791143	21791443	Gmdrm	hyper	CHH	0.1171
Gm02	21936647	21936904	Gmdrm	hyper	CHH	0.1416
Gm02	22028318	22028990	Gmdrm	hyper	CHH	0.0146
Gm02	22418824	22419821	Gmdrm	hyper	CHH	0.0593
Gm02	22442138	22442216	Gmdrm	hyper	CHH	0.0312
Gm02	22481576	22482533	Gmdrm	hyper	CHH	0.0472
Gm02	22897341	22897541	Gmdrm	hyper	CHH	0.112
Gm02	23255641	23256629	Gmdrm	hyper	CHH	0.0168
Gm02	23263630	23263815	Gmdrm	hyper	CHH	0.0367
Gm02	23414267	23414522	Gmdrm	hyper	CHH	0.1131
Gm02	23640248	23640297	Gmdrm	hyper	CHH	0.221
Gm02	23742686	23743669	Gmdrm	hyper	CHH	0.0631
Gm02	23918600	23919593	Gmdrm	hyper	CHH	0.041
Gm02	23977064	23977124	Gmdrm	hyper	CHH	0.276
Gm02	24229870	24230023	Gmdrm	hyper	CHH	0.1671
Gm02	24472638	24473636	Gmdrm	hyper	CHH	0.0532
Gm02	24761216	24761570	Gmdrm	hyper	CHH	0.1146
Gm02	24972857	24972972	Gmdrm	hyper	CHH	0.0894
Gm02	24976922	24976946	Gmdrm	hyper	CHH	0.3517
Gm02	25052627	25052678	Gmdrm	hyper	CHH	0.2042
Gm02	25112520	25112540	Gmdrm	hyper	CHH	0.1647
Gm02	25219546	25219860	Gmdrm	hyper	CHH	0.1056
Gm02	25517893	25518330	Gmdrm	hyper	CHH	0.1063
Gm02	25735123	25736119	Gmdrm	hyper	CHH	0.0367
Gm02	25771458	25772453	Gmdrm	hyper	CHH	0.0327
Gm02	25809048	25809999	Gmdrm	hyper	CHH	0.0508
Gm02	25974634	25974921	Gmdrm	hyper	CHH	0.1053
Gm02	26112996	26113960	Gmdrm	hyper	CHH	0.0196
Gm02	26162138	26163095	Gmdrm	hyper	CHH	0.0349
Gm02	26312210	26312430	Gmdrm	hyper	CHH	0.1152
Gm02	26333123	26334119	Gmdrm	hyper	CHH	0.0294
Gm02	26515476	26516474	Gmdrm	hyper	CHH	0.0522
Gm02	26613065	26613844	Gmdrm	hyper	CHH	0.0289
Gm02	26666699	26667074	Gmdrm	hyper	CHH	0.0715
Gm02	27030057	27031042	Gmdrm	hyper	CHH	0.0118
Gm02	27082911	27083526	Gmdrm	hyper	CHH	0.0892
Gm02	27129557	27130538	Gmdrm	hyper	CHH	0.0302
Gm02	27141645	27142641	Gmdrm	hyper	CHH	0.0428
Gm02	27188278	27188941	Gmdrm	hyper	CHH	0.0409
Gm02	27402808	27403286	Gmdrm	hyper	CHH	0.0461
Gm02	27408355	27409318	Gmdrm	hyper	CHH	0.018
Gm02	27548430	27549429	Gmdrm	hyper	CHH	0.086

Gm02	27573047	27574035	Gmdrm	hyper	CHH	0.0483
Gm02	27705377	27706332	Gmdrm	hyper	CHH	0.0234
Gm02	27712057	27713050	Gmdrm	hyper	CHH	0.0133
Gm02	27856925	27857906	Gmdrm	hyper	CHH	0.0111
Gm02	27881409	27882390	Gmdrm	hyper	CHH	0.0193
Gm02	27913314	27914309	Gmdrm	hyper	CHH	0.0129
Gm02	27925233	27926176	Gmdrm	hyper	CHH	0.0233
Gm02	27971480	27972480	Gmdrm	hyper	CHH	0.0203
Gm02	28067952	28068909	Gmdrm	hyper	CHH	0.0768
Gm02	28267080	28268069	Gmdrm	hyper	CHH	0.0452
Gm02	28273486	28274479	Gmdrm	hyper	CHH	0.0176
Gm02	28298796	28299432	Gmdrm	hyper	CHH	0.0431
Gm02	28460721	28461710	Gmdrm	hyper	CHH	0.0337
Gm02	28616738	28617738	Gmdrm	hyper	CHH	0.0113
Gm02	28855502	28856167	Gmdrm	hyper	CHH	0.0222
Gm02	28871098	28871818	Gmdrm	hyper	CHH	0.0203
Gm02	28926364	28927328	Gmdrm	hyper	CHH	0.052
Gm02	28973568	28974144	Gmdrm	hyper	CHH	0.0421
Gm02	29007160	29008115	Gmdrm	hyper	CHH	0.0489
Gm02	29219898	29220886	Gmdrm	hyper	CHH	0.0172
Gm02	29233840	29234002	Gmdrm	hyper	CHH	0.0457
Gm02	29241453	29242388	Gmdrm	hyper	CHH	0.0269
Gm02	29283336	29283787	Gmdrm	hyper	CHH	0.0748
Gm02	29416154	29416751	Gmdrm	hyper	CHH	0.0664
Gm02	29520632	29520726	Gmdrm	hyper	CHH	0.1014
Gm02	29591836	29592785	Gmdrm	hyper	CHH	0.0111
Gm02	29632328	29632749	Gmdrm	hyper	CHH	0.127
Gm02	29723557	29724557	Gmdrm	hyper	CHH	0.0575
Gm02	29853049	29853171	Gmdrm	hyper	CHH	0.054
Gm02	29887449	29888439	Gmdrm	hyper	CHH	0.0122
Gm02	29928122	29929114	Gmdrm	hyper	CHH	0.0138
Gm02	29963287	29964287	Gmdrm	hyper	CHH	0.0412
Gm02	30037854	30038853	Gmdrm	hyper	CHH	0.0171
Gm02	30137373	30137529	Gmdrm	hyper	CHH	0.279
Gm02	30550824	30551821	Gmdrm	hyper	CHH	0.0624
Gm02	30597481	30597534	Gmdrm	hyper	CHH	0.084
Gm02	30613575	30614556	Gmdrm	hyper	CHH	0.0294
Gm02	30670942	30671937	Gmdrm	hyper	CHH	0.0424
Gm02	30698215	30699213	Gmdrm	hyper	CHH	0.0308
Gm02	30771189	30772161	Gmdrm	hyper	CHH	0.0412
Gm02	30947293	30947880	Gmdrm	hyper	CHH	0.1095
Gm02	30961982	30962980	Gmdrm	hyper	CHH	0.0482
Gm02	30967014	30968003	Gmdrm	hyper	CHH	0.0452
Gm02	30968026	30969023	Gmdrm	hyper	CHH	0.0226
Gm02	30977338	30977840	Gmdrm	hyper	CHH	0.1674
Gm02	31017782	31018774	Gmdrm	hyper	CHH	0.0332

Gm02	31132383	31132773	Gmdrm	hyper	CHH	0.0188
Gm02	31178288	31179287	Gmdrm	hyper	CHH	0.041
Gm02	31224849	31225847	Gmdrm	hyper	CHH	0.0381
Gm02	31268035	31268457	Gmdrm	hyper	CHH	0.0607
Gm02	31352007	31353002	Gmdrm	hyper	CHH	0.0423
Gm02	31357020	31357891	Gmdrm	hyper	CHH	0.0591
Gm02	31574265	31574463	Gmdrm	hyper	CHH	0.1184
Gm02	31715867	31716236	Gmdrm	hyper	CHH	0.1726
Gm02	31832987	31833054	Gmdrm	hyper	CHH	0.0767
Gm02	31833752	31833864	Gmdrm	hyper	CHH	0.1133
Gm02	31871526	31872523	Gmdrm	hyper	CHH	0.0404
Gm02	31902515	31903500	Gmdrm	hyper	CHH	0.0907
Gm02	32013136	32014133	Gmdrm	hyper	CHH	0.0553
Gm02	32019178	32020176	Gmdrm	hyper	CHH	0.032
Gm02	32136022	32137021	Gmdrm	hyper	CHH	0.045
Gm02	32170842	32171828	Gmdrm	hyper	CHH	0.0132
Gm02	32222937	32223935	Gmdrm	hyper	CHH	0.0598
Gm02	32233580	32234578	Gmdrm	hyper	CHH	0.0538
Gm02	32304027	32305015	Gmdrm	hyper	CHH	0.0415
Gm02	32464894	32465881	Gmdrm	hyper	CHH	0.0228
Gm02	32496319	32497311	Gmdrm	hyper	CHH	0.0662
Gm02	32519918	32520912	Gmdrm	hyper	CHH	0.0184
Gm02	32606114	32607109	Gmdrm	hyper	CHH	0.0523
Gm02	32661081	32662064	Gmdrm	hyper	CHH	0.0504
Gm02	32714959	32715959	Gmdrm	hyper	CHH	0.0298
Gm02	32798544	32799538	Gmdrm	hyper	CHH	0.0384
Gm02	32822709	32822973	Gmdrm	hyper	CHH	0.0572
Gm02	32880148	32881134	Gmdrm	hyper	CHH	0.0233
Gm02	32986732	32986995	Gmdrm	hyper	CHH	0.0695
Gm02	33015691	33016660	Gmdrm	hyper	CHH	0.0573
Gm02	33046966	33047945	Gmdrm	hyper	CHH	0.03
Gm02	33116205	33116311	Gmdrm	hyper	CHH	0.0788
Gm02	33150254	33151244	Gmdrm	hyper	CHH	0.0408
Gm02	33230949	33231940	Gmdrm	hyper	CHH	0.054
Gm02	33334298	33335294	Gmdrm	hyper	CHH	0.0274
Gm02	33364725	33365038	Gmdrm	hyper	CHH	0.083
Gm02	33368604	33369593	Gmdrm	hyper	CHH	0.0481
Gm02	33375833	33376829	Gmdrm	hyper	CHH	0.037
Gm02	33394469	33395452	Gmdrm	hyper	CHH	0.0652
Gm02	33422010	33423008	Gmdrm	hyper	CHH	0.0343
Gm02	33533558	33534558	Gmdrm	hyper	CHH	0.0359
Gm02	33740127	33741125	Gmdrm	hyper	CHH	0.0422
Gm02	33802731	33803254	Gmdrm	hyper	CHH	0.0771
Gm02	33845046	33846038	Gmdrm	hyper	CHH	0.0133
Gm02	33875098	33875660	Gmdrm	hyper	CHH	0.038
Gm02	34101346	34102340	Gmdrm	hyper	CHH	0.0547

Gm02	34126943	34127943	Gmdrm	hyper	CHH	0.0403
Gm02	34435849	34436833	Gmdrm	hyper	CHH	0.0239
Gm02	34437921	34438898	Gmdrm	hyper	CHH	0.023
Gm02	34575753	34576120	Gmdrm	hyper	CHH	0.0243
Gm02	34780577	34781568	Gmdrm	hyper	CHH	0.074
Gm02	34813229	34813546	Gmdrm	hyper	CHH	0.0926
Gm02	34960138	34961135	Gmdrm	hyper	CHH	0.0129
Gm02	34968558	34969544	Gmdrm	hyper	CHH	0.063
Gm02	35000518	35001516	Gmdrm	hyper	CHH	0.0334
Gm02	35064048	35064147	Gmdrm	hyper	CHH	0.15
Gm02	35313416	35314405	Gmdrm	hyper	CHH	0.0379
Gm02	35464065	35465062	Gmdrm	hyper	CHH	0.0533
Gm02	35466145	35466346	Gmdrm	hyper	CHH	0.1543
Gm02	35604569	35604620	Gmdrm	hyper	CHH	0.088
Gm02	35607330	35608326	Gmdrm	hyper	CHH	0.0265
Gm02	35658208	35658312	Gmdrm	hyper	CHH	0.367
Gm02	35658425	35658831	Gmdrm	hyper	CHH	0.1987
Gm02	35690853	35691820	Gmdrm	hyper	CHH	0.0502
Gm02	35873184	35874176	Gmdrm	hyper	CHH	0.0244
Gm02	35905662	35906238	Gmdrm	hyper	CHH	0.0257
Gm02	36033324	36033554	Gmdrm	hyper	CHH	0.1836
Gm02	36098450	36099445	Gmdrm	hyper	CHH	0.0344
Gm02	36214853	36215852	Gmdrm	hyper	CHH	0.0499
Gm02	36219342	36220342	Gmdrm	hyper	CHH	0.0453
Gm02	36308952	36309947	Gmdrm	hyper	CHH	0.0582
Gm02	36319451	36319504	Gmdrm	hyper	CHH	0.2033
Gm02	36372742	36373730	Gmdrm	hyper	CHH	0.0527
Gm02	36489721	36490721	Gmdrm	hyper	CHH	0.0336
Gm02	36520095	36520311	Gmdrm	hyper	CHH	0.31
Gm02	36536113	36537106	Gmdrm	hyper	CHH	0.0558
Gm02	36558166	36559164	Gmdrm	hyper	CHH	0.0351
Gm02	36656584	36657463	Gmdrm	hyper	CHH	0.0862
Gm02	36738471	36739462	Gmdrm	hyper	CHH	0.0558
Gm02	36840939	36841937	Gmdrm	hyper	CHH	0.0286
Gm02	36851555	36852514	Gmdrm	hyper	CHH	0.0151
Gm02	36870588	36871525	Gmdrm	hyper	CHH	0.0158
Gm02	37174715	37175715	Gmdrm	hyper	CHH	0.0477
Gm02	37251231	37251360	Gmdrm	hyper	CHH	0.1252
Gm02	37505302	37506295	Gmdrm	hyper	CHH	0.0322
Gm02	37638719	37639718	Gmdrm	hyper	CHH	0.0566
Gm02	37863336	37863548	Gmdrm	hyper	CHH	0.0767
Gm02	38133057	38134055	Gmdrm	hyper	CHH	0.0412
Gm02	38518863	38519505	Gmdrm	hyper	CHH	0.0278
Gm02	38553534	38554240	Gmdrm	hyper	CHH	0.0285
Gm02	38581985	38582982	Gmdrm	hyper	CHH	0.026
Gm02	38582987	38583940	Gmdrm	hyper	CHH	0.0594

Gm02	38599457	38599729	Gmdrm	hyper	CHH	0.0277
Gm02	38612972	38613957	Gmdrm	hyper	CHH	0.0136
Gm02	38652643	38653046	Gmdrm	hyper	CHH	0.068
Gm02	38693783	38694059	Gmdrm	hyper	CHH	0.0371
Gm02	38700711	38700951	Gmdrm	hyper	CHH	0.0583
Gm02	38740263	38741258	Gmdrm	hyper	CHH	0.0209
Gm02	38750342	38750442	Gmdrm	hyper	CHH	0.046
Gm02	38762680	38762713	Gmdrm	hyper	CHH	0.1
Gm02	38877396	38878389	Gmdrm	hyper	CHH	0.0471
Gm02	38941522	38941583	Gmdrm	hyper	CHH	0.23
Gm02	39039131	39040129	Gmdrm	hyper	CHH	0.0435
Gm02	39229670	39230663	Gmdrm	hyper	CHH	0.0723
Gm02	39392869	39392958	Gmdrm	hyper	CHH	0.065
Gm02	39556736	39557682	Gmdrm	hyper	CHH	0.0253
Gm02	39660075	39661072	Gmdrm	hyper	CHH	0.0218
Gm02	39703451	39704450	Gmdrm	hyper	CHH	0.0205
Gm02	39827097	39828076	Gmdrm	hyper	CHH	0.0142
Gm02	39881157	39882157	Gmdrm	hyper	CHH	0.0284
Gm02	39882185	39883173	Gmdrm	hyper	CHH	0.0194
Gm02	40229349	40230344	Gmdrm	hyper	CHH	0.0133
Gm02	40274914	40275907	Gmdrm	hyper	CHH	0.0144
Gm02	40283103	40283534	Gmdrm	hyper	CHH	0.0329
Gm02	40283666	40284260	Gmdrm	hyper	CHH	0.0544
Gm02	40297398	40298398	Gmdrm	hyper	CHH	0.0297
Gm02	40308697	40309206	Gmdrm	hyper	CHH	0.0196
Gm02	40423088	40424079	Gmdrm	hyper	CHH	0.0322
Gm02	40493609	40494593	Gmdrm	hyper	CHH	0.0448
Gm02	40524941	40525914	Gmdrm	hyper	CHH	0.0162
Gm02	40580042	40580362	Gmdrm	hyper	CHH	0.0244
Gm02	40587867	40587907	Gmdrm	hyper	CHH	0.11
Gm02	40601212	40601641	Gmdrm	hyper	CHH	0.0229
Gm02	40736166	40737156	Gmdrm	hyper	CHH	0.0191
Gm02	40740064	40740506	Gmdrm	hyper	CHH	0.0454
Gm02	40766985	40767967	Gmdrm	hyper	CHH	0.0107
Gm02	40834616	40834885	Gmdrm	hyper	CHH	0.0821
Gm02	40834995	40835543	Gmdrm	hyper	CHH	0.0157
Gm02	40916274	40917158	Gmdrm	hyper	CHH	0.0176
Gm02	40944910	40945055	Gmdrm	hyper	CHH	0.0262
Gm02	41008820	41009802	Gmdrm	hyper	CHH	0.0152
Gm02	41071624	41072178	Gmdrm	hyper	CHH	0.02
Gm02	41077519	41078424	Gmdrm	hyper	CHH	0.0273
Gm02	41091071	41092071	Gmdrm	hyper	CHH	0.0361
Gm02	41107843	41108725	Gmdrm	hyper	CHH	0.0435
Gm02	41155974	41156807	Gmdrm	hyper	CHH	0.0198
Gm02	41185380	41186359	Gmdrm	hyper	CHH	0.0159
Gm02	41231172	41232170	Gmdrm	hyper	CHH	0.0161

Gm02	41247287	41248260	Gmdrm	hyper	CHH	0.0392
Gm02	41255708	41256702	Gmdrm	hyper	CHH	0.0204
Gm02	41269500	41270475	Gmdrm	hyper	CHH	0.0152
Gm02	41404267	41405240	Gmdrm	hyper	CHH	0.0176
Gm02	41445490	41445925	Gmdrm	hyper	CHH	0.0359
Gm02	41454417	41454989	Gmdrm	hyper	CHH	0.0248
Gm02	41577901	41578204	Gmdrm	hyper	CHH	0.0221
Gm02	41685773	41686385	Gmdrm	hyper	CHH	0.0216
Gm02	41711906	41712899	Gmdrm	hyper	CHH	0.0196
Gm02	41712922	41713257	Gmdrm	hyper	CHH	0.0503
Gm02	41714385	41715358	Gmdrm	hyper	CHH	0.0133
Gm02	41732061	41733053	Gmdrm	hyper	CHH	0.0267
Gm02	41734668	41735510	Gmdrm	hyper	CHH	0.0232
Gm02	41850675	41851641	Gmdrm	hyper	CHH	0.0222
Gm02	41926867	41927866	Gmdrm	hyper	CHH	0.0202
Gm02	41976629	41977382	Gmdrm	hyper	CHH	0.019
Gm02	42024679	42025679	Gmdrm	hyper	CHH	0.0438
Gm02	42025682	42026669	Gmdrm	hyper	CHH	0.1521
Gm02	42026687	42027428	Gmdrm	hyper	CHH	0.0156
Gm02	42030892	42031853	Gmdrm	hyper	CHH	0.0176
Gm02	42126594	42127193	Gmdrm	hyper	CHH	0.0233
Gm02	42157567	42157894	Gmdrm	hyper	CHH	0.0772
Gm02	42283621	42283989	Gmdrm	hyper	CHH	0.0225
Gm02	42551638	42552638	Gmdrm	hyper	CHH	0.0141
Gm02	42616258	42616941	Gmdrm	hyper	CHH	0.0727
Gm02	42643011	42643476	Gmdrm	hyper	CHH	0.0328
Gm02	42662539	42663527	Gmdrm	hyper	CHH	0.0114
Gm02	42669610	42670430	Gmdrm	hyper	CHH	0.0183
Gm02	42727671	42728420	Gmdrm	hyper	CHH	0.0266
Gm02	42755913	42756749	Gmdrm	hyper	CHH	0.023
Gm02	42812530	42812746	Gmdrm	hyper	CHH	0.0525
Gm02	42815991	42816967	Gmdrm	hyper	CHH	0.0135
Gm02	42827304	42828266	Gmdrm	hyper	CHH	0.0195
Gm02	42898341	42898448	Gmdrm	hyper	CHH	0.1604
Gm02	42902994	42903984	Gmdrm	hyper	CHH	0.0122
Gm02	42908656	42908915	Gmdrm	hyper	CHH	0.056
Gm02	42910054	42911029	Gmdrm	hyper	CHH	0.0156
Gm02	42940639	42941576	Gmdrm	hyper	CHH	0.0174
Gm02	42990027	42991024	Gmdrm	hyper	CHH	0.1012
Gm02	43004945	43005254	Gmdrm	hyper	CHH	0.0416
Gm02	43096384	43097382	Gmdrm	hyper	CHH	0.0271
Gm02	43110160	43111150	Gmdrm	hyper	CHH	0.0158
Gm02	43130478	43131336	Gmdrm	hyper	CHH	0.0203
Gm02	43142821	43143790	Gmdrm	hyper	CHH	0.012
Gm02	43145212	43146204	Gmdrm	hyper	CHH	0.0323
Gm02	43214955	43215681	Gmdrm	hyper	CHH	0.025

Gm02	43312824	43313790	Gmdrm	hyper	CHH	0.0166
Gm02	43313830	43314829	Gmdrm	hyper	CHH	0.0235
Gm02	43314893	43315029	Gmdrm	hyper	CHH	0.0421
Gm02	43315142	43316127	Gmdrm	hyper	CHH	0.0149
Gm02	43317854	43318017	Gmdrm	hyper	CHH	0.0663
Gm02	43355125	43355785	Gmdrm	hyper	CHH	0.0383
Gm02	43485761	43485878	Gmdrm	hyper	CHH	0.0678
Gm02	43502553	43502689	Gmdrm	hyper	CHH	0.0327
Gm02	43525685	43526662	Gmdrm	hyper	CHH	0.021
Gm02	43536609	43537603	Gmdrm	hyper	CHH	0.0136
Gm02	43543852	43544848	Gmdrm	hyper	CHH	0.0185
Gm02	43590026	43590997	Gmdrm	hyper	CHH	0.0147
Gm02	43629783	43630110	Gmdrm	hyper	CHH	0.05
Gm02	43649704	43649849	Gmdrm	hyper	CHH	0.0867
Gm02	43707343	43708343	Gmdrm	hyper	CHH	0.0202
Gm02	43761191	43762188	Gmdrm	hyper	CHH	0.0102
Gm02	43825670	43826638	Gmdrm	hyper	CHH	0.0129
Gm02	43872295	43873289	Gmdrm	hyper	CHH	0.0297
Gm02	43881535	43882522	Gmdrm	hyper	CHH	0.036
Gm02	43936192	43937166	Gmdrm	hyper	CHH	0.0424
Gm02	43984844	43985024	Gmdrm	hyper	CHH	0.0575
Gm02	43991536	43992510	Gmdrm	hyper	CHH	0.0146
Gm02	44028064	44028580	Gmdrm	hyper	CHH	0.0246
Gm02	44070420	44071418	Gmdrm	hyper	CHH	0.0093
Gm02	44093030	44094022	Gmdrm	hyper	CHH	0.0132
Gm02	44137166	44138163	Gmdrm	hyper	CHH	0.029
Gm02	44141360	44142354	Gmdrm	hyper	CHH	0.0197
Gm02	44147616	44148150	Gmdrm	hyper	CHH	0.0213
Gm02	44203190	44203592	Gmdrm	hyper	CHH	0.0141
Gm02	44281561	44282561	Gmdrm	hyper	CHH	0.0226
Gm02	44437358	44438350	Gmdrm	hyper	CHH	0.0166
Gm02	44451297	44451838	Gmdrm	hyper	CHH	0.0186
Gm02	44540999	44541986	Gmdrm	hyper	CHH	0.026
Gm02	44575222	44576205	Gmdrm	hyper	CHH	0.014
Gm02	44619897	44620203	Gmdrm	hyper	CHH	0.0284
Gm02	44658215	44659209	Gmdrm	hyper	CHH	0.0125
Gm02	44698984	44699959	Gmdrm	hyper	CHH	0.0148
Gm02	44729585	44730576	Gmdrm	hyper	CHH	0.0226
Gm02	44740013	44740096	Gmdrm	hyper	CHH	0.0863
Gm02	44743221	44744209	Gmdrm	hyper	CHH	0.0219
Gm02	44745474	44746444	Gmdrm	hyper	CHH	0.0146
Gm02	44789055	44789377	Gmdrm	hyper	CHH	0.0374
Gm02	44826248	44827221	Gmdrm	hyper	CHH	0.0167
Gm02	44892782	44893771	Gmdrm	hyper	CHH	0.0149
Gm02	44902089	44902194	Gmdrm	hyper	CHH	0.0638
Gm02	44945216	44946205	Gmdrm	hyper	CHH	0.0554

Gm02	44952963	44953144	Gmdrm	hyper	CHH	0.06
Gm02	44958366	44959036	Gmdrm	hyper	CHH	0.0256
Gm02	45001209	45002206	Gmdrm	hyper	CHH	0.0428
Gm02	45003231	45004213	Gmdrm	hyper	CHH	0.0122
Gm02	45036744	45037723	Gmdrm	hyper	CHH	0.0232
Gm02	45039762	45040762	Gmdrm	hyper	CHH	0.0319
Gm02	45069350	45070146	Gmdrm	hyper	CHH	0.0253
Gm02	45072690	45073690	Gmdrm	hyper	CHH	0.0113
Gm02	45082920	45083239	Gmdrm	hyper	CHH	0.0417
Gm02	45155810	45156803	Gmdrm	hyper	CHH	0.0158
Gm02	45157076	45157474	Gmdrm	hyper	CHH	0.0533
Gm02	45164839	45165834	Gmdrm	hyper	CHH	0.0195
Gm02	45171465	45172440	Gmdrm	hyper	CHH	0.0174
Gm02	45183057	45183681	Gmdrm	hyper	CHH	0.0213
Gm02	45336042	45336823	Gmdrm	hyper	CHH	0.0191
Gm02	45360484	45361284	Gmdrm	hyper	CHH	0.0161
Gm02	45372603	45373593	Gmdrm	hyper	CHH	0.0122
Gm02	45386002	45387002	Gmdrm	hyper	CHH	0.012
Gm02	45396843	45397842	Gmdrm	hyper	CHH	0.0221
Gm02	45475711	45475758	Gmdrm	hyper	CHH	0.036
Gm02	45478978	45479975	Gmdrm	hyper	CHH	0.011
Gm02	45580335	45581271	Gmdrm	hyper	CHH	0.0326
Gm02	45648284	45649260	Gmdrm	hyper	CHH	0.0181
Gm02	45649287	45650224	Gmdrm	hyper	CHH	0.0167
Gm02	45650460	45651450	Gmdrm	hyper	CHH	0.0222
Gm02	45656866	45657837	Gmdrm	hyper	CHH	0.0221
Gm02	45660763	45661751	Gmdrm	hyper	CHH	0.0117
Gm02	45719313	45720274	Gmdrm	hyper	CHH	0.0133
Gm02	45740943	45741768	Gmdrm	hyper	CHH	0.012
Gm02	45746930	45747903	Gmdrm	hyper	CHH	0.0139
Gm02	45790841	45791412	Gmdrm	hyper	CHH	0.0177
Gm02	45842520	45843503	Gmdrm	hyper	CHH	0.027
Gm02	45935140	45936127	Gmdrm	hyper	CHH	0.0215
Gm02	45981100	45981406	Gmdrm	hyper	CHH	0.0474
Gm02	45993209	45994155	Gmdrm	hyper	CHH	0.036
Gm02	46001250	46002247	Gmdrm	hyper	CHH	0.0119
Gm02	46007450	46007524	Gmdrm	hyper	CHH	0.058
Gm02	46023771	46024765	Gmdrm	hyper	CHH	0.0176
Gm02	46061327	46061388	Gmdrm	hyper	CHH	0.03
Gm02	46109460	46109551	Gmdrm	hyper	CHH	0.0633
Gm02	46129431	46129895	Gmdrm	hyper	CHH	0.0292
Gm02	46219257	46219361	Gmdrm	hyper	CHH	0.04
Gm02	46226566	46227180	Gmdrm	hyper	CHH	0.0346
Gm02	46239828	46240825	Gmdrm	hyper	CHH	0.0116
Gm02	46295649	46296638	Gmdrm	hyper	CHH	0.0219
Gm02	46402933	46403883	Gmdrm	hyper	CHH	0.0181

Gm02	46461218	46461313	Gmdrm	hyper	CHH	0.0411
Gm02	46477370	46477867	Gmdrm	hyper	CHH	0.0228
Gm02	46493830	46494827	Gmdrm	hyper	CHH	0.0208
Gm02	46496866	46497864	Gmdrm	hyper	CHH	0.0107
Gm02	46500192	46501192	Gmdrm	hyper	CHH	0.0131
Gm02	46520330	46521317	Gmdrm	hyper	CHH	0.0161
Gm02	46554096	46554554	Gmdrm	hyper	CHH	0.0249
Gm02	46555461	46556458	Gmdrm	hyper	CHH	0.044
Gm02	46584478	46585472	Gmdrm	hyper	CHH	0.0184
Gm02	46595433	46596403	Gmdrm	hyper	CHH	0.0249
Gm02	46610361	46611312	Gmdrm	hyper	CHH	0.0159
Gm02	46618912	46619409	Gmdrm	hyper	CHH	0.0258
Gm02	46652757	46653091	Gmdrm	hyper	CHH	0.0231
Gm02	46662720	46663240	Gmdrm	hyper	CHH	0.0243
Gm02	46695583	46696555	Gmdrm	hyper	CHH	0.015
Gm02	46887956	46888919	Gmdrm	hyper	CHH	0.02
Gm02	46981790	46982771	Gmdrm	hyper	CHH	0.0234
Gm02	47080934	47081934	Gmdrm	hyper	CHH	0.013
Gm02	47131733	47132723	Gmdrm	hyper	CHH	0.0163
Gm02	47208414	47208779	Gmdrm	hyper	CHH	0.0294
Gm02	47227168	47227818	Gmdrm	hyper	CHH	0.039
Gm02	47284505	47285502	Gmdrm	hyper	CHH	0.0212
Gm02	47319057	47319132	Gmdrm	hyper	CHH	0.0517
Gm02	47427294	47428286	Gmdrm	hyper	CHH	0.0207
Gm02	47455762	47456075	Gmdrm	hyper	CHH	0.1181
Gm02	47458199	47459163	Gmdrm	hyper	CHH	0.0266
Gm02	47460230	47461200	Gmdrm	hyper	CHH	0.0129
Gm02	47494940	47495119	Gmdrm	hyper	CHH	0.057
Gm02	47511864	47512810	Gmdrm	hyper	CHH	0.0239
Gm02	47543064	47544061	Gmdrm	hyper	CHH	0.0206
Gm02	47603580	47604568	Gmdrm	hyper	CHH	0.0155
Gm02	47644056	47645001	Gmdrm	hyper	CHH	0.0159
Gm02	47660374	47660476	Gmdrm	hyper	CHH	0.1122
Gm02	47681104	47682046	Gmdrm	hyper	CHH	0.0194
Gm02	47764803	47765791	Gmdrm	hyper	CHH	0.01
Gm02	47837820	47838812	Gmdrm	hyper	CHH	0.0116
Gm02	47848418	47849400	Gmdrm	hyper	CHH	0.0215
Gm02	47855429	47855634	Gmdrm	hyper	CHH	0.0432
Gm02	47863134	47864125	Gmdrm	hyper	CHH	0.0195
Gm02	47865049	47866030	Gmdrm	hyper	CHH	0.0323
Gm02	47870667	47871659	Gmdrm	hyper	CHH	0.0154
Gm02	47876213	47876447	Gmdrm	hyper	CHH	0.0467
Gm02	47880984	47881980	Gmdrm	hyper	CHH	0.016
Gm02	47885025	47885315	Gmdrm	hyper	CHH	0.04
Gm02	47941635	47942249	Gmdrm	hyper	CHH	0.0252
Gm02	47956703	47957655	Gmdrm	hyper	CHH	0.0187

Gm02	47968109	47969104	Gmdrm	hyper	CHH	0.0168
Gm02	47979817	47980771	Gmdrm	hyper	CHH	0.0255
Gm02	47998143	47999066	Gmdrm	hyper	CHH	0.0527
Gm02	48042013	48042424	Gmdrm	hyper	CHH	0.0179
Gm02	48047287	48047486	Gmdrm	hyper	CHH	0.0193
Gm02	48076659	48076744	Gmdrm	hyper	CHH	0.042
Gm02	48196063	48197055	Gmdrm	hyper	CHH	0.0251
Gm02	48239037	48239486	Gmdrm	hyper	CHH	0.0426
Gm02	48256460	48257447	Gmdrm	hyper	CHH	0.0141
Gm02	48272075	48273024	Gmdrm	hyper	CHH	0.0294
Gm02	48287349	48288334	Gmdrm	hyper	CHH	0.0129
Gm02	48301030	48301999	Gmdrm	hyper	CHH	0.0163
Gm02	48324067	48325065	Gmdrm	hyper	CHH	0.0173
Gm02	48408808	48409787	Gmdrm	hyper	CHH	0.0219
Gm02	48425459	48426457	Gmdrm	hyper	CHH	0.0159
Gm02	48434175	48434326	Gmdrm	hyper	CHH	0.0501
Gm02	48436712	48436846	Gmdrm	hyper	CHH	0.17
Gm02	48439613	48439650	Gmdrm	hyper	CHH	0.0333
Gm02	48447656	48448621	Gmdrm	hyper	CHH	0.023
Gm02	48450724	48451703	Gmdrm	hyper	CHH	0.0249
Gm02	48504049	48505047	Gmdrm	hyper	CHH	0.0148
Gm02	48506054	48506994	Gmdrm	hyper	CHH	0.015
Gm02	48572291	48573286	Gmdrm	hyper	CHH	0.0189
Gm02	48585244	48585763	Gmdrm	hyper	CHH	0.0217
Gm02	48720855	48721231	Gmdrm	hyper	CHH	0.0355
Gm02	48744754	48745748	Gmdrm	hyper	CHH	0.0162
Gm02	48745762	48746278	Gmdrm	hyper	CHH	0.0159
Gm02	48748434	48749402	Gmdrm	hyper	CHH	0.0164
Gm02	48761060	48761440	Gmdrm	hyper	CHH	0.0442
Gm02	48843499	48843676	Gmdrm	hyper	CHH	0.076
Gm02	48848949	48849080	Gmdrm	hyper	CHH	0.0738
Gm02	48890599	48891499	Gmdrm	hyper	CHH	0.0192
Gm02	48933305	48934291	Gmdrm	hyper	CHH	0.0192
Gm02	49030383	49031340	Gmdrm	hyper	CHH	0.0175
Gm02	49039613	49040486	Gmdrm	hyper	CHH	0.0235
Gm02	49041645	49042645	Gmdrm	hyper	CHH	0.0123
Gm02	49043533	49043819	Gmdrm	hyper	CHH	0.0367
Gm02	49051616	49052572	Gmdrm	hyper	CHH	0.024
Gm02	49068270	49069259	Gmdrm	hyper	CHH	0.0226
Gm02	49077718	49078699	Gmdrm	hyper	CHH	0.0161
Gm02	49114078	49115035	Gmdrm	hyper	CHH	0.019
Gm02	49132138	49133129	Gmdrm	hyper	CHH	0.0175
Gm02	49177000	49177090	Gmdrm	hyper	CHH	0.06
Gm02	49317931	49318903	Gmdrm	hyper	CHH	0.0383
Gm02	49325094	49325662	Gmdrm	hyper	CHH	0.0192
Gm02	49351941	49352021	Gmdrm	hyper	CHH	0.0657

Gm02	49440118	49440271	Gmdrm	hyper	CHH	0.08
Gm02	49501464	49502060	Gmdrm	hyper	CHH	0.0287
Gm02	49508229	49509207	Gmdrm	hyper	CHH	0.0224
Gm02	49678577	49679389	Gmdrm	hyper	CHH	0.0249
Gm02	49744281	49745276	Gmdrm	hyper	CHH	0.0165
Gm02	49753322	49753741	Gmdrm	hyper	CHH	0.0215
Gm02	49776721	49777720	Gmdrm	hyper	CHH	0.022
Gm02	49841880	49842155	Gmdrm	hyper	CHH	0.06
Gm02	49846577	49846831	Gmdrm	hyper	CHH	0.113
Gm02	49866263	49867255	Gmdrm	hyper	CHH	0.0269
Gm02	49877351	49877447	Gmdrm	hyper	CHH	0.098
Gm02	49877562	49877859	Gmdrm	hyper	CHH	0.0514
Gm02	49997474	49998337	Gmdrm	hyper	CHH	0.0156
Gm02	50040472	50040654	Gmdrm	hyper	CHH	0.0616
Gm02	50058446	50059427	Gmdrm	hyper	CHH	0.0236
Gm02	50122387	50123349	Gmdrm	hyper	CHH	0.03
Gm02	50132509	50133004	Gmdrm	hyper	CHH	0.0153
Gm02	50235217	50236216	Gmdrm	hyper	CHH	0.0165
Gm02	50274147	50275117	Gmdrm	hyper	CHH	0.0254
Gm02	50277202	50278194	Gmdrm	hyper	CHH	0.019
Gm02	50314158	50315136	Gmdrm	hyper	CHH	0.0316
Gm02	50328503	50328792	Gmdrm	hyper	CHH	0.0918
Gm02	50340442	50341433	Gmdrm	hyper	CHH	0.0171
Gm02	50344154	50344553	Gmdrm	hyper	CHH	0.0387
Gm02	50357950	50358949	Gmdrm	hyper	CHH	0.0907
Gm03	34941	35940	Gmdrm	hyper	CHH	0.0295
Gm03	169457	170425	Gmdrm	hyper	CHH	0.0267
Gm03	223885	224883	Gmdrm	hyper	CHH	0.0162
Gm03	299867	300820	Gmdrm	hyper	CHH	0.0215
Gm03	373880	374880	Gmdrm	hyper	CHH	0.0152
Gm03	398939	399933	Gmdrm	hyper	CHH	0.0123
Gm03	407094	407356	Gmdrm	hyper	CHH	0.042
Gm03	421404	422395	Gmdrm	hyper	CHH	0.0147
Gm03	495554	496550	Gmdrm	hyper	CHH	0.014
Gm03	521433	522431	Gmdrm	hyper	CHH	0.0355
Gm03	547411	548386	Gmdrm	hyper	CHH	0.0264
Gm03	552965	553795	Gmdrm	hyper	CHH	0.0256
Gm03	565473	565978	Gmdrm	hyper	CHH	0.0341
Gm03	569990	570980	Gmdrm	hyper	CHH	0.0178
Gm03	587708	588177	Gmdrm	hyper	CHH	0.0306
Gm03	608289	609283	Gmdrm	hyper	CHH	0.025
Gm03	627085	628067	Gmdrm	hyper	CHH	0.0143
Gm03	879586	880579	Gmdrm	hyper	CHH	0.0145
Gm03	880587	881587	Gmdrm	hyper	CHH	0.0154
Gm03	883312	884294	Gmdrm	hyper	CHH	0.0144
Gm03	900490	900712	Gmdrm	hyper	CHH	0.0518

Gm03	905409	906403	Gmdrm	hyper	CHH	0.0243
Gm03	912561	913171	Gmdrm	hyper	CHH	0.027
Gm03	954501	955495	Gmdrm	hyper	CHH	0.013
Gm03	961562	962558	Gmdrm	hyper	CHH	0.0265
Gm03	1022114	1023091	Gmdrm	hyper	CHH	0.01
Gm03	1027713	1028712	Gmdrm	hyper	CHH	0.0191
Gm03	1069010	1069975	Gmdrm	hyper	CHH	0.0243
Gm03	1152297	1153292	Gmdrm	hyper	CHH	0.0451
Gm03	1194318	1195318	Gmdrm	hyper	CHH	0.0435
Gm03	1345370	1345902	Gmdrm	hyper	CHH	0.016
Gm03	1349378	1350351	Gmdrm	hyper	CHH	0.0142
Gm03	1450205	1450833	Gmdrm	hyper	CHH	0.0129
Gm03	1456651	1457635	Gmdrm	hyper	CHH	0.0172
Gm03	1467556	1468554	Gmdrm	hyper	CHH	0.0234
Gm03	1498824	1499804	Gmdrm	hyper	CHH	0.017
Gm03	1510661	1511660	Gmdrm	hyper	CHH	0.0164
Gm03	1525936	1526060	Gmdrm	hyper	CHH	0.0829
Gm03	1592517	1593512	Gmdrm	hyper	CHH	0.0193
Gm03	1705816	1706814	Gmdrm	hyper	CHH	0.0157
Gm03	1752613	1753410	Gmdrm	hyper	CHH	0.0283
Gm03	1827133	1828131	Gmdrm	hyper	CHH	0.0192
Gm03	1852832	1853828	Gmdrm	hyper	CHH	0.0112
Gm03	1883772	1884772	Gmdrm	hyper	CHH	0.015
Gm03	1899058	1899370	Gmdrm	hyper	CHH	0.037
Gm03	1911169	1912047	Gmdrm	hyper	CHH	0.0212
Gm03	1926596	1926727	Gmdrm	hyper	CHH	0.2
Gm03	1959069	1960059	Gmdrm	hyper	CHH	0.0166
Gm03	1963973	1964860	Gmdrm	hyper	CHH	0.0181
Gm03	1997692	1997828	Gmdrm	hyper	CHH	0.0845
Gm03	2131951	2132950	Gmdrm	hyper	CHH	0.0192
Gm03	2146620	2147615	Gmdrm	hyper	CHH	0.0196
Gm03	2162147	2163145	Gmdrm	hyper	CHH	0.0485
Gm03	2284669	2284732	Gmdrm	hyper	CHH	0.02
Gm03	2394394	2394482	Gmdrm	hyper	CHH	0.1233
Gm03	2607701	2608665	Gmdrm	hyper	CHH	0.0378
Gm03	2730774	2731769	Gmdrm	hyper	CHH	0.0185
Gm03	2754170	2755158	Gmdrm	hyper	CHH	0.0162
Gm03	2783728	2784728	Gmdrm	hyper	CHH	0.047
Gm03	2981063	2982052	Gmdrm	hyper	CHH	0.0218
Gm03	3153354	3154349	Gmdrm	hyper	CHH	0.0326
Gm03	3163562	3164551	Gmdrm	hyper	CHH	0.0244
Gm03	3224482	3225481	Gmdrm	hyper	CHH	0.0679
Gm03	3295391	3295620	Gmdrm	hyper	CHH	0.0526
Gm03	3362706	3363113	Gmdrm	hyper	CHH	0.0176
Gm03	3388405	3389098	Gmdrm	hyper	CHH	0.0175
Gm03	3467284	3467948	Gmdrm	hyper	CHH	0.0191

Gm03	3478403	3479388	Gmdrm	hyper	CHH	0.0319
Gm03	3483366	3484365	Gmdrm	hyper	CHH	0.0133
Gm03	3484386	3484968	Gmdrm	hyper	CHH	0.0583
Gm03	3517550	3517868	Gmdrm	hyper	CHH	0.063
Gm03	3589520	3590518	Gmdrm	hyper	CHH	0.0108
Gm03	3590706	3591690	Gmdrm	hyper	CHH	0.0111
Gm03	3623020	3624010	Gmdrm	hyper	CHH	0.0148
Gm03	3645276	3646270	Gmdrm	hyper	CHH	0.0118
Gm03	3866720	3867041	Gmdrm	hyper	CHH	0.0531
Gm03	3935625	3936582	Gmdrm	hyper	CHH	0.0266
Gm03	3955707	3956481	Gmdrm	hyper	CHH	0.0361
Gm03	3957968	3958400	Gmdrm	hyper	CHH	0.0269
Gm03	4022809	4023808	Gmdrm	hyper	CHH	0.0125
Gm03	4038596	4039590	Gmdrm	hyper	CHH	0.0261
Gm03	4047489	4048466	Gmdrm	hyper	CHH	0.0369
Gm03	4055498	4056493	Gmdrm	hyper	CHH	0.0261
Gm03	4075083	4076077	Gmdrm	hyper	CHH	0.0208
Gm03	4305603	4305650	Gmdrm	hyper	CHH	0.3933
Gm03	4323674	4324656	Gmdrm	hyper	CHH	0.0512
Gm03	4380796	4381790	Gmdrm	hyper	CHH	0.0636
Gm03	4502231	4502534	Gmdrm	hyper	CHH	0.05
Gm03	4514578	4515359	Gmdrm	hyper	CHH	0.0324
Gm03	4537632	4538627	Gmdrm	hyper	CHH	0.0784
Gm03	4550648	4551617	Gmdrm	hyper	CHH	0.0149
Gm03	4577489	4578462	Gmdrm	hyper	CHH	0.0136
Gm03	4673603	4674602	Gmdrm	hyper	CHH	0.0503
Gm03	4759862	4760842	Gmdrm	hyper	CHH	0.0139
Gm03	4796380	4797365	Gmdrm	hyper	CHH	0.0161
Gm03	4811511	4812506	Gmdrm	hyper	CHH	0.0232
Gm03	4824823	4825816	Gmdrm	hyper	CHH	0.0192
Gm03	4846662	4847624	Gmdrm	hyper	CHH	0.0214
Gm03	4849557	4850528	Gmdrm	hyper	CHH	0.0142
Gm03	4860782	4861775	Gmdrm	hyper	CHH	0.0372
Gm03	4864795	4865747	Gmdrm	hyper	CHH	0.0728
Gm03	4868088	4869043	Gmdrm	hyper	CHH	0.0725
Gm03	4869120	4870116	Gmdrm	hyper	CHH	0.0988
Gm03	4879676	4880671	Gmdrm	hyper	CHH	0.0302
Gm03	4917099	4917299	Gmdrm	hyper	CHH	0.099
Gm03	4977787	4978785	Gmdrm	hyper	CHH	0.0264
Gm03	5016351	5017174	Gmdrm	hyper	CHH	0.0701
Gm03	5041222	5041822	Gmdrm	hyper	CHH	0.0396
Gm03	5059357	5060348	Gmdrm	hyper	CHH	0.0204
Gm03	5063411	5064410	Gmdrm	hyper	CHH	0.0312
Gm03	5068467	5069438	Gmdrm	hyper	CHH	0.0205
Gm03	5215431	5216429	Gmdrm	hyper	CHH	0.0244
Gm03	5231862	5232854	Gmdrm	hyper	CHH	0.0418

Gm03	5287689	5288675	Gmdrm	hyper	CHH	0.0171
Gm03	5297758	5298380	Gmdrm	hyper	CHH	0.0287
Gm03	5320137	5321122	Gmdrm	hyper	CHH	0.0098
Gm03	5366089	5366610	Gmdrm	hyper	CHH	0.0166
Gm03	5851059	5851655	Gmdrm	hyper	CHH	0.03
Gm03	5884818	5885810	Gmdrm	hyper	CHH	0.0286
Gm03	6213262	6214238	Gmdrm	hyper	CHH	0.0218
Gm03	6241982	6242955	Gmdrm	hyper	CHH	0.0302
Gm03	6366372	6366470	Gmdrm	hyper	CHH	0.068
Gm03	6454826	6455018	Gmdrm	hyper	CHH	0.0654
Gm03	6467929	6468485	Gmdrm	hyper	CHH	0.0385
Gm03	6611641	6612625	Gmdrm	hyper	CHH	0.0192
Gm03	6781827	6782810	Gmdrm	hyper	CHH	0.0346
Gm03	6785865	6786862	Gmdrm	hyper	CHH	0.0301
Gm03	6889598	6890591	Gmdrm	hyper	CHH	0.0653
Gm03	6891313	6892310	Gmdrm	hyper	CHH	0.0898
Gm03	6979567	6980562	Gmdrm	hyper	CHH	0.0432
Gm03	7106551	7107541	Gmdrm	hyper	CHH	0.0854
Gm03	7107584	7108572	Gmdrm	hyper	CHH	0.0584
Gm03	7108586	7109585	Gmdrm	hyper	CHH	0.0856
Gm03	7109590	7110581	Gmdrm	hyper	CHH	0.0727
Gm03	7111982	7112980	Gmdrm	hyper	CHH	0.0896
Gm03	7171836	7172718	Gmdrm	hyper	CHH	0.0544
Gm03	7172828	7172917	Gmdrm	hyper	CHH	0.1813
Gm03	7333984	7334170	Gmdrm	hyper	CHH	0.0229
Gm03	7334370	7335363	Gmdrm	hyper	CHH	0.0358
Gm03	7482980	7483181	Gmdrm	hyper	CHH	0.0407
Gm03	7689781	7690778	Gmdrm	hyper	CHH	0.0134
Gm03	7737630	7738613	Gmdrm	hyper	CHH	0.0235
Gm03	7875785	7876423	Gmdrm	hyper	CHH	0.0304
Gm03	7893851	7894301	Gmdrm	hyper	CHH	0.0434
Gm03	8152434	8153434	Gmdrm	hyper	CHH	0.0415
Gm03	8210524	8211277	Gmdrm	hyper	CHH	0.0253
Gm03	8222080	8223065	Gmdrm	hyper	CHH	0.0204
Gm03	8241349	8242349	Gmdrm	hyper	CHH	0.0604
Gm03	8296272	8296814	Gmdrm	hyper	CHH	0.0271
Gm03	8302799	8303067	Gmdrm	hyper	CHH	0.0509
Gm03	8355144	8355428	Gmdrm	hyper	CHH	0.0297
Gm03	8356247	8357247	Gmdrm	hyper	CHH	0.0509
Gm03	8416754	8417008	Gmdrm	hyper	CHH	0.03
Gm03	8433645	8434641	Gmdrm	hyper	CHH	0.0446
Gm03	8503215	8504213	Gmdrm	hyper	CHH	0.0408
Gm03	8573619	8574618	Gmdrm	hyper	CHH	0.041
Gm03	8617784	8618399	Gmdrm	hyper	CHH	0.0802
Gm03	8618716	8619716	Gmdrm	hyper	CHH	0.055
Gm03	8654567	8655555	Gmdrm	hyper	CHH	0.0244

Gm03	8657212	8658092	Gmdrm	hyper	CHH	0.0191
Gm03	8751516	8751867	Gmdrm	hyper	CHH	0.0272
Gm03	8792235	8792430	Gmdrm	hyper	CHH	0.0423
Gm03	8985746	8986199	Gmdrm	hyper	CHH	0.0809
Gm03	9001214	9001370	Gmdrm	hyper	CHH	0.0446
Gm03	9058906	9059837	Gmdrm	hyper	CHH	0.0386
Gm03	9106271	9107262	Gmdrm	hyper	CHH	0.0414
Gm03	9120095	9121082	Gmdrm	hyper	CHH	0.0512
Gm03	9267195	9268193	Gmdrm	hyper	CHH	0.04
Gm03	9333941	9334936	Gmdrm	hyper	CHH	0.0392
Gm03	9383070	9383499	Gmdrm	hyper	CHH	0.1261
Gm03	9650679	9651136	Gmdrm	hyper	CHH	0.0661
Gm03	9799418	9799438	Gmdrm	hyper	CHH	0.332
Gm03	9882563	9882877	Gmdrm	hyper	CHH	0.04
Gm03	9883008	9883999	Gmdrm	hyper	CHH	0.0224
Gm03	10199242	10199616	Gmdrm	hyper	CHH	0.0192
Gm03	10687939	10688491	Gmdrm	hyper	CHH	0.052
Gm03	10786964	10787187	Gmdrm	hyper	CHH	0.1448
Gm03	10944846	10945832	Gmdrm	hyper	CHH	0.0142
Gm03	11013193	11013703	Gmdrm	hyper	CHH	0.0698
Gm03	11049611	11049684	Gmdrm	hyper	CHH	0.1467
Gm03	11277772	11278770	Gmdrm	hyper	CHH	0.0598
Gm03	11450118	11450318	Gmdrm	hyper	CHH	0.197
Gm03	11455776	11455803	Gmdrm	hyper	CHH	0.24
Gm03	11664702	11665348	Gmdrm	hyper	CHH	0.0963
Gm03	11699300	11699576	Gmdrm	hyper	CHH	0.1312
Gm03	11702795	11702925	Gmdrm	hyper	CHH	0.2613
Gm03	11718542	11719331	Gmdrm	hyper	CHH	0.0806
Gm03	11936599	11937592	Gmdrm	hyper	CHH	0.0179
Gm03	12040937	12041929	Gmdrm	hyper	CHH	0.0705
Gm03	12110958	12111022	Gmdrm	hyper	CHH	0.266
Gm03	12194738	12195424	Gmdrm	hyper	CHH	0.0744
Gm03	12341214	12341521	Gmdrm	hyper	CHH	0.0878
Gm03	12447759	12448754	Gmdrm	hyper	CHH	0.0239
Gm03	12557887	12558886	Gmdrm	hyper	CHH	0.0304
Gm03	12575330	12576327	Gmdrm	hyper	CHH	0.0328
Gm03	12581268	12581372	Gmdrm	hyper	CHH	0.1718
Gm03	12625588	12626577	Gmdrm	hyper	CHH	0.0302
Gm03	12671893	12672891	Gmdrm	hyper	CHH	0.0464
Gm03	12674252	12674332	Gmdrm	hyper	CHH	0.1693
Gm03	12675844	12676820	Gmdrm	hyper	CHH	0.0366
Gm03	12683010	12683861	Gmdrm	hyper	CHH	0.0575
Gm03	12684633	12685628	Gmdrm	hyper	CHH	0.0574
Gm03	12685649	12686645	Gmdrm	hyper	CHH	0.0933
Gm03	12687667	12688661	Gmdrm	hyper	CHH	0.0538
Gm03	12688675	12689050	Gmdrm	hyper	CHH	0.1133

Gm03	12689990	12690988	Gmdrm	hyper	CHH	0.1027
Gm03	12690994	12691078	Gmdrm	hyper	CHH	0.0966
Gm03	12691219	12691959	Gmdrm	hyper	CHH	0.0682
Gm03	12692688	12693006	Gmdrm	hyper	CHH	0.1173
Gm03	12694686	12694785	Gmdrm	hyper	CHH	0.2167
Gm03	12700424	12701420	Gmdrm	hyper	CHH	0.0743
Gm03	12701431	12702418	Gmdrm	hyper	CHH	0.0557
Gm03	12702456	12703396	Gmdrm	hyper	CHH	0.0491
Gm03	12704222	12704481	Gmdrm	hyper	CHH	0.1357
Gm03	12705566	12706565	Gmdrm	hyper	CHH	0.0685
Gm03	12712827	12713827	Gmdrm	hyper	CHH	0.0682
Gm03	12714902	12715892	Gmdrm	hyper	CHH	0.0842
Gm03	12715905	12716898	Gmdrm	hyper	CHH	0.0644
Gm03	12717921	12718904	Gmdrm	hyper	CHH	0.0543
Gm03	12719927	12720919	Gmdrm	hyper	CHH	0.0896
Gm03	12721913	12722903	Gmdrm	hyper	CHH	0.0715
Gm03	12722957	12723949	Gmdrm	hyper	CHH	0.0773
Gm03	12724533	12725519	Gmdrm	hyper	CHH	0.12
Gm03	12725733	12726732	Gmdrm	hyper	CHH	0.0739
Gm03	12726737	12727729	Gmdrm	hyper	CHH	0.0703
Gm03	12727756	12728752	Gmdrm	hyper	CHH	0.054
Gm03	12729767	12730762	Gmdrm	hyper	CHH	0.071
Gm03	12731880	12732867	Gmdrm	hyper	CHH	0.0824
Gm03	12732886	12733880	Gmdrm	hyper	CHH	0.0842
Gm03	12734876	12735875	Gmdrm	hyper	CHH	0.0649
Gm03	12735878	12736788	Gmdrm	hyper	CHH	0.0472
Gm03	12736922	12737059	Gmdrm	hyper	CHH	0.1754
Gm03	12737749	12738741	Gmdrm	hyper	CHH	0.0909
Gm03	12739431	12740429	Gmdrm	hyper	CHH	0.1058
Gm03	12749218	12750210	Gmdrm	hyper	CHH	0.0815
Gm03	12750228	12750426	Gmdrm	hyper	CHH	0.176
Gm03	12750572	12751570	Gmdrm	hyper	CHH	0.1148
Gm03	12751592	12751627	Gmdrm	hyper	CHH	0.2589
Gm03	12753207	12754104	Gmdrm	hyper	CHH	0.0723
Gm03	12755471	12756452	Gmdrm	hyper	CHH	0.0743
Gm03	12758472	12759456	Gmdrm	hyper	CHH	0.1099
Gm03	12759515	12759948	Gmdrm	hyper	CHH	0.1246
Gm03	12760747	12761405	Gmdrm	hyper	CHH	0.0863
Gm03	12761660	12762053	Gmdrm	hyper	CHH	0.1205
Gm03	12762562	12763109	Gmdrm	hyper	CHH	0.1513
Gm03	12763690	12764084	Gmdrm	hyper	CHH	0.1515
Gm03	12764290	12765285	Gmdrm	hyper	CHH	0.11
Gm03	12765293	12766034	Gmdrm	hyper	CHH	0.1189
Gm03	12767579	12768566	Gmdrm	hyper	CHH	0.0765
Gm03	12768581	12769069	Gmdrm	hyper	CHH	0.1474
Gm03	12769386	12770383	Gmdrm	hyper	CHH	0.066

Gm03	12771005	12771419	Gmdrm	hyper	CHH	0.1811
Gm03	12771619	12772589	Gmdrm	hyper	CHH	0.1284
Gm03	12773257	12774251	Gmdrm	hyper	CHH	0.0737
Gm03	12774261	12775247	Gmdrm	hyper	CHH	0.0686
Gm03	12775277	12776274	Gmdrm	hyper	CHH	0.0297
Gm03	12778446	12779147	Gmdrm	hyper	CHH	0.0258
Gm03	12781173	12782157	Gmdrm	hyper	CHH	0.1035
Gm03	12782191	12783189	Gmdrm	hyper	CHH	0.0685
Gm03	12783210	12784201	Gmdrm	hyper	CHH	0.0809
Gm03	12784219	12784998	Gmdrm	hyper	CHH	0.0722
Gm03	12785140	12786139	Gmdrm	hyper	CHH	0.0565
Gm03	12786146	12787130	Gmdrm	hyper	CHH	0.0988
Gm03	12787167	12788140	Gmdrm	hyper	CHH	0.0671
Gm03	12789674	12790664	Gmdrm	hyper	CHH	0.0776
Gm03	12790703	12791700	Gmdrm	hyper	CHH	0.1073
Gm03	12791717	12792703	Gmdrm	hyper	CHH	0.0733
Gm03	12793684	12794651	Gmdrm	hyper	CHH	0.0744
Gm03	12795594	12796586	Gmdrm	hyper	CHH	0.0699
Gm03	12796597	12797562	Gmdrm	hyper	CHH	0.124
Gm03	12797956	12798949	Gmdrm	hyper	CHH	0.0732
Gm03	12800978	12801571	Gmdrm	hyper	CHH	0.0978
Gm03	12802239	12803223	Gmdrm	hyper	CHH	0.0626
Gm03	12804544	12804665	Gmdrm	hyper	CHH	0.2288
Gm03	12804791	12805195	Gmdrm	hyper	CHH	0.0961
Gm03	12805451	12805928	Gmdrm	hyper	CHH	0.0745
Gm03	12810377	12811052	Gmdrm	hyper	CHH	0.0346
Gm03	12819137	12819229	Gmdrm	hyper	CHH	0.1578
Gm03	12822243	12823209	Gmdrm	hyper	CHH	0.0773
Gm03	12824084	12824745	Gmdrm	hyper	CHH	0.09
Gm03	12825545	12826541	Gmdrm	hyper	CHH	0.0517
Gm03	12826565	12827563	Gmdrm	hyper	CHH	0.0385
Gm03	12827978	12828564	Gmdrm	hyper	CHH	0.0634
Gm03	12830261	12831255	Gmdrm	hyper	CHH	0.0418
Gm03	12832548	12833547	Gmdrm	hyper	CHH	0.0663
Gm03	12837086	12838077	Gmdrm	hyper	CHH	0.053
Gm03	12838089	12839088	Gmdrm	hyper	CHH	0.0614
Gm03	12861592	12862585	Gmdrm	hyper	CHH	0.0628
Gm03	12876485	12876577	Gmdrm	hyper	CHH	0.188
Gm03	13153245	13153553	Gmdrm	hyper	CHH	0.0692
Gm03	13313648	13314647	Gmdrm	hyper	CHH	0.0644
Gm03	13360287	13361278	Gmdrm	hyper	CHH	0.0446
Gm03	13435900	13436900	Gmdrm	hyper	CHH	0.0522
Gm03	13551620	13552604	Gmdrm	hyper	CHH	0.0836
Gm03	13832211	13833143	Gmdrm	hyper	CHH	0.0622
Gm03	13960898	13961116	Gmdrm	hyper	CHH	0.1717
Gm03	13978762	13979303	Gmdrm	hyper	CHH	0.0593

Gm03	14546139	14547130	Gmdrm	hyper	CHH	0.0182
Gm03	14577365	14577776	Gmdrm	hyper	CHH	0.0881
Gm03	14581253	14581318	Gmdrm	hyper	CHH	0.1538
Gm03	14611525	14612514	Gmdrm	hyper	CHH	0.0442
Gm03	14802776	14803718	Gmdrm	hyper	CHH	0.0422
Gm03	14911739	14912736	Gmdrm	hyper	CHH	0.0499
Gm03	15354940	15355705	Gmdrm	hyper	CHH	0.06
Gm03	15451078	15452074	Gmdrm	hyper	CHH	0.0426
Gm03	15866725	15866811	Gmdrm	hyper	CHH	0.04
Gm03	15915494	15916493	Gmdrm	hyper	CHH	0.0395
Gm03	16088609	16088858	Gmdrm	hyper	CHH	0.1769
Gm03	16306353	16307353	Gmdrm	hyper	CHH	0.0279
Gm03	16471066	16472056	Gmdrm	hyper	CHH	0.0227
Gm03	16523846	16524014	Gmdrm	hyper	CHH	0.07
Gm03	16806850	16807303	Gmdrm	hyper	CHH	0.0127
Gm03	17054397	17055393	Gmdrm	hyper	CHH	0.0191
Gm03	17127656	17128656	Gmdrm	hyper	CHH	0.0633
Gm03	17148730	17149032	Gmdrm	hyper	CHH	0.0307
Gm03	17162677	17163568	Gmdrm	hyper	CHH	0.0533
Gm03	17293093	17293977	Gmdrm	hyper	CHH	0.0796
Gm03	17414412	17415006	Gmdrm	hyper	CHH	0.1
Gm03	17423688	17424688	Gmdrm	hyper	CHH	0.0682
Gm03	17495377	17496347	Gmdrm	hyper	CHH	0.0162
Gm03	17497191	17497401	Gmdrm	hyper	CHH	0.0357
Gm03	17661151	17662101	Gmdrm	hyper	CHH	0.0195
Gm03	17918475	17918869	Gmdrm	hyper	CHH	0.087
Gm03	17936415	17937034	Gmdrm	hyper	CHH	0.0329
Gm03	17947108	17947241	Gmdrm	hyper	CHH	0.108
Gm03	18018882	18019874	Gmdrm	hyper	CHH	0.0905
Gm03	18801721	18802703	Gmdrm	hyper	CHH	0.021
Gm03	18947658	18947917	Gmdrm	hyper	CHH	0.1584
Gm03	18988781	18988872	Gmdrm	hyper	CHH	0.1026
Gm03	19197292	19198277	Gmdrm	hyper	CHH	0.0665
Gm03	19212926	19213915	Gmdrm	hyper	CHH	0.059
Gm03	19303629	19304629	Gmdrm	hyper	CHH	0.0335
Gm03	19503178	19503785	Gmdrm	hyper	CHH	0.0579
Gm03	19564069	19565019	Gmdrm	hyper	CHH	0.0159
Gm03	19640692	19640742	Gmdrm	hyper	CHH	0.148
Gm03	19696880	19697875	Gmdrm	hyper	CHH	0.0566
Gm03	19701028	19701119	Gmdrm	hyper	CHH	0.0443
Gm03	19749558	19750546	Gmdrm	hyper	CHH	0.015
Gm03	19752686	19753150	Gmdrm	hyper	CHH	0.0444
Gm03	19778528	19779444	Gmdrm	hyper	CHH	0.0144
Gm03	19787595	19788001	Gmdrm	hyper	CHH	0.033
Gm03	19888799	19889339	Gmdrm	hyper	CHH	0.0328
Gm03	19988300	19989282	Gmdrm	hyper	CHH	0.0229

Gm03	20016528	20017526	Gmdrm	hyper	CHH	0.0168
Gm03	20265834	20266833	Gmdrm	hyper	CHH	0.0126
Gm03	20379481	20380449	Gmdrm	hyper	CHH	0.02
Gm03	20440765	20441765	Gmdrm	hyper	CHH	0.0473
Gm03	20506439	20507427	Gmdrm	hyper	CHH	0.019
Gm03	20547004	20548002	Gmdrm	hyper	CHH	0.0174
Gm03	20595211	20596205	Gmdrm	hyper	CHH	0.0429
Gm03	20656120	20656139	Gmdrm	hyper	CHH	0.5
Gm03	20670432	20670456	Gmdrm	hyper	CHH	0.367
Gm03	20815661	20816651	Gmdrm	hyper	CHH	0.0234
Gm03	21152120	21152318	Gmdrm	hyper	CHH	0.1542
Gm03	21164216	21164328	Gmdrm	hyper	CHH	0.196
Gm03	21231624	21232613	Gmdrm	hyper	CHH	0.0454
Gm03	21348131	21349131	Gmdrm	hyper	CHH	0.0355
Gm03	21476311	21476344	Gmdrm	hyper	CHH	0.18
Gm03	21593695	21594695	Gmdrm	hyper	CHH	0.057
Gm03	21648850	21649833	Gmdrm	hyper	CHH	0.0442
Gm03	21695047	21696040	Gmdrm	hyper	CHH	0.0548
Gm03	21793644	21794643	Gmdrm	hyper	CHH	0.0638
Gm03	21799974	21800957	Gmdrm	hyper	CHH	0.0646
Gm03	21879904	21879947	Gmdrm	hyper	CHH	0.1699
Gm03	21889722	21890721	Gmdrm	hyper	CHH	0.0608
Gm03	21914752	21914872	Gmdrm	hyper	CHH	0.3209
Gm03	22439378	22440021	Gmdrm	hyper	CHH	0.0649
Gm03	22577332	22578209	Gmdrm	hyper	CHH	0.0531
Gm03	22798767	22799751	Gmdrm	hyper	CHH	0.0284
Gm03	22923058	22924055	Gmdrm	hyper	CHH	0.0444
Gm03	22925609	22926580	Gmdrm	hyper	CHH	0.0442
Gm03	23078378	23079376	Gmdrm	hyper	CHH	0.0407
Gm03	23159923	23160419	Gmdrm	hyper	CHH	0.0268
Gm03	23277107	23277165	Gmdrm	hyper	CHH	0.3825
Gm03	23404165	23405165	Gmdrm	hyper	CHH	0.0582
Gm03	23714885	23715876	Gmdrm	hyper	CHH	0.0695
Gm03	23727625	23728612	Gmdrm	hyper	CHH	0.0385
Gm03	24061646	24062637	Gmdrm	hyper	CHH	0.0216
Gm03	24281571	24282549	Gmdrm	hyper	CHH	0.0279
Gm03	24311708	24312699	Gmdrm	hyper	CHH	0.0202
Gm03	24343666	24344650	Gmdrm	hyper	CHH	0.0435
Gm03	24356783	24357201	Gmdrm	hyper	CHH	0.0213
Gm03	24574176	24575154	Gmdrm	hyper	CHH	0.037
Gm03	24576976	24577955	Gmdrm	hyper	CHH	0.0989
Gm03	24577978	24578935	Gmdrm	hyper	CHH	0.0457
Gm03	24704233	24704599	Gmdrm	hyper	CHH	0.0906
Gm03	24781504	24781562	Gmdrm	hyper	CHH	0.37
Gm03	25039499	25039782	Gmdrm	hyper	CHH	0.1332
Gm03	25244395	25245213	Gmdrm	hyper	CHH	0.0521

Gm03	25401759	25401923	Gmdrm	hyper	CHH	0.035
Gm03	25662860	25663708	Gmdrm	hyper	CHH	0.0441
Gm03	25694176	25694557	Gmdrm	hyper	CHH	0.13
Gm03	25859350	25859431	Gmdrm	hyper	CHH	0.3628
Gm03	25898809	25899381	Gmdrm	hyper	CHH	0.0878
Gm03	26027615	26028582	Gmdrm	hyper	CHH	0.0401
Gm03	26034865	26035026	Gmdrm	hyper	CHH	0.2113
Gm03	26096188	26097171	Gmdrm	hyper	CHH	0.0645
Gm03	26139248	26140247	Gmdrm	hyper	CHH	0.0597
Gm03	26168467	26169455	Gmdrm	hyper	CHH	0.0568
Gm03	26200356	26200508	Gmdrm	hyper	CHH	0.131
Gm03	26274394	26274703	Gmdrm	hyper	CHH	0.1171
Gm03	26497278	26498277	Gmdrm	hyper	CHH	0.0231
Gm03	26809434	26810431	Gmdrm	hyper	CHH	0.0593
Gm03	26929016	26929571	Gmdrm	hyper	CHH	0.0705
Gm03	26976181	26976707	Gmdrm	hyper	CHH	0.09
Gm03	27204438	27205415	Gmdrm	hyper	CHH	0.0152
Gm03	27633124	27634118	Gmdrm	hyper	CHH	0.0557
Gm03	27700835	27701825	Gmdrm	hyper	CHH	0.0153
Gm03	27988147	27989129	Gmdrm	hyper	CHH	0.0258
Gm03	28031698	28032693	Gmdrm	hyper	CHH	0.0516
Gm03	28238270	28239253	Gmdrm	hyper	CHH	0.0272
Gm03	28246140	28246902	Gmdrm	hyper	CHH	0.0537
Gm03	28266577	28267574	Gmdrm	hyper	CHH	0.0215
Gm03	28345549	28345724	Gmdrm	hyper	CHH	0.123
Gm03	28374233	28375233	Gmdrm	hyper	CHH	0.0531
Gm03	28393469	28394467	Gmdrm	hyper	CHH	0.0173
Gm03	28534533	28534844	Gmdrm	hyper	CHH	0.0907
Gm03	28591078	28592068	Gmdrm	hyper	CHH	0.035
Gm03	28617578	28617779	Gmdrm	hyper	CHH	0.0315
Gm03	28617902	28618035	Gmdrm	hyper	CHH	0.0786
Gm03	28664035	28664120	Gmdrm	hyper	CHH	0.1436
Gm03	28868276	28868965	Gmdrm	hyper	CHH	0.0369
Gm03	28993805	28994390	Gmdrm	hyper	CHH	0.0746
Gm03	29063838	29064836	Gmdrm	hyper	CHH	0.0145
Gm03	29099841	29100841	Gmdrm	hyper	CHH	0.0327
Gm03	29270801	29271094	Gmdrm	hyper	CHH	0.0291
Gm03	29377109	29378100	Gmdrm	hyper	CHH	0.0598
Gm03	29573447	29574421	Gmdrm	hyper	CHH	0.0338
Gm03	29579746	29580195	Gmdrm	hyper	CHH	0.0437
Gm03	29605112	29606104	Gmdrm	hyper	CHH	0.0197
Gm03	29678385	29678615	Gmdrm	hyper	CHH	0.047
Gm03	29739916	29740915	Gmdrm	hyper	CHH	0.0861
Gm03	29894742	29895265	Gmdrm	hyper	CHH	0.0687
Gm03	29922907	29923011	Gmdrm	hyper	CHH	0.0344
Gm03	29963164	29963854	Gmdrm	hyper	CHH	0.0656

Gm03	29966727	29967290	Gmdrm	hyper	CHH	0.0257
Gm03	30112267	30112371	Gmdrm	hyper	CHH	0.1689
Gm03	30112711	30113705	Gmdrm	hyper	CHH	0.1431
Gm03	30113723	30114718	Gmdrm	hyper	CHH	0.1569
Gm03	30114734	30115731	Gmdrm	hyper	CHH	0.1393
Gm03	30115741	30116545	Gmdrm	hyper	CHH	0.1284
Gm03	30157922	30158725	Gmdrm	hyper	CHH	0.0838
Gm03	30159295	30160295	Gmdrm	hyper	CHH	0.1921
Gm03	30160302	30160450	Gmdrm	hyper	CHH	0.1666
Gm03	30267655	30268646	Gmdrm	hyper	CHH	0.0475
Gm03	30495802	30495862	Gmdrm	hyper	CHH	0.17
Gm03	30522949	30523946	Gmdrm	hyper	CHH	0.0539
Gm03	30524956	30525951	Gmdrm	hyper	CHH	0.0545
Gm03	30576056	30577034	Gmdrm	hyper	CHH	0.0954
Gm03	30577057	30578056	Gmdrm	hyper	CHH	0.1441
Gm03	30578058	30578401	Gmdrm	hyper	CHH	0.1444
Gm03	30578574	30579564	Gmdrm	hyper	CHH	0.1815
Gm03	30579582	30580575	Gmdrm	hyper	CHH	0.1393
Gm03	30580584	30581584	Gmdrm	hyper	CHH	0.1339
Gm03	30581611	30582607	Gmdrm	hyper	CHH	0.1125
Gm03	30829076	30830075	Gmdrm	hyper	CHH	0.0532
Gm03	30845742	30846164	Gmdrm	hyper	CHH	0.1479
Gm03	30846826	30847261	Gmdrm	hyper	CHH	0.213
Gm03	30850653	30851232	Gmdrm	hyper	CHH	0.1142
Gm03	30851596	30852563	Gmdrm	hyper	CHH	0.1027
Gm03	30852870	30853864	Gmdrm	hyper	CHH	0.1358
Gm03	30853875	30854875	Gmdrm	hyper	CHH	0.1415
Gm03	30854889	30855886	Gmdrm	hyper	CHH	0.1635
Gm03	30856341	30857330	Gmdrm	hyper	CHH	0.1679
Gm03	30857349	30858283	Gmdrm	hyper	CHH	0.1491
Gm03	30859857	30860853	Gmdrm	hyper	CHH	0.0962
Gm03	30860858	30861857	Gmdrm	hyper	CHH	0.1237
Gm03	30863899	30864898	Gmdrm	hyper	CHH	0.0657
Gm03	30867235	30868219	Gmdrm	hyper	CHH	0.1324
Gm03	30868254	30868720	Gmdrm	hyper	CHH	0.1708
Gm03	30868971	30869966	Gmdrm	hyper	CHH	0.0521
Gm03	30870989	30871985	Gmdrm	hyper	CHH	0.0422
Gm03	30877549	30878526	Gmdrm	hyper	CHH	0.0785
Gm03	30961482	30962478	Gmdrm	hyper	CHH	0.038
Gm03	30962622	30963617	Gmdrm	hyper	CHH	0.0246
Gm03	30983781	30984778	Gmdrm	hyper	CHH	0.0115
Gm03	30994612	30995454	Gmdrm	hyper	CHH	0.0218
Gm03	31000962	31001962	Gmdrm	hyper	CHH	0.0115
Gm03	31004441	31004965	Gmdrm	hyper	CHH	0.0361
Gm03	31067795	31068166	Gmdrm	hyper	CHH	0.0337
Gm03	31155452	31156418	Gmdrm	hyper	CHH	0.0306

Gm03	31174290	31175273	Gmdrm	hyper	CHH	0.0708
Gm03	31298813	31299673	Gmdrm	hyper	CHH	0.0535
Gm03	31406014	31406932	Gmdrm	hyper	CHH	0.0148
Gm03	31445614	31446273	Gmdrm	hyper	CHH	0.109
Gm03	31560024	31561019	Gmdrm	hyper	CHH	0.0178
Gm03	31673232	31674226	Gmdrm	hyper	CHH	0.1208
Gm03	31674244	31675236	Gmdrm	hyper	CHH	0.1636
Gm03	31675247	31675955	Gmdrm	hyper	CHH	0.0953
Gm03	31688175	31689155	Gmdrm	hyper	CHH	0.0259
Gm03	31710995	31711711	Gmdrm	hyper	CHH	0.0309
Gm03	31737388	31738385	Gmdrm	hyper	CHH	0.0537
Gm03	31738389	31739373	Gmdrm	hyper	CHH	0.0791
Gm03	31739399	31740387	Gmdrm	hyper	CHH	0.1469
Gm03	31740404	31741018	Gmdrm	hyper	CHH	0.049
Gm03	31911395	31912359	Gmdrm	hyper	CHH	0.0166
Gm03	31943418	31943872	Gmdrm	hyper	CHH	0.075
Gm03	32140564	32141539	Gmdrm	hyper	CHH	0.0278
Gm03	32155615	32156607	Gmdrm	hyper	CHH	0.0201
Gm03	32174909	32175905	Gmdrm	hyper	CHH	0.0514
Gm03	32183837	32184806	Gmdrm	hyper	CHH	0.0471
Gm03	32243064	32244062	Gmdrm	hyper	CHH	0.0484
Gm03	32255456	32256454	Gmdrm	hyper	CHH	0.0254
Gm03	32272540	32273539	Gmdrm	hyper	CHH	0.0308
Gm03	32316620	32317614	Gmdrm	hyper	CHH	0.0236
Gm03	32330067	32331063	Gmdrm	hyper	CHH	0.0177
Gm03	32424486	32424689	Gmdrm	hyper	CHH	0.205
Gm03	32810707	32811179	Gmdrm	hyper	CHH	0.0562
Gm03	32813492	32813690	Gmdrm	hyper	CHH	0.0354
Gm03	32922918	32923906	Gmdrm	hyper	CHH	0.0656
Gm03	32980958	32981116	Gmdrm	hyper	CHH	0.3814
Gm03	32981697	32982685	Gmdrm	hyper	CHH	0.1015
Gm03	33198092	33199059	Gmdrm	hyper	CHH	0.0151
Gm03	33207151	33208146	Gmdrm	hyper	CHH	0.0452
Gm03	33272910	33273263	Gmdrm	hyper	CHH	0.035
Gm03	33306482	33307468	Gmdrm	hyper	CHH	0.0222
Gm03	33320036	33320744	Gmdrm	hyper	CHH	0.0369
Gm03	33338288	33339274	Gmdrm	hyper	CHH	0.0166
Gm03	33360259	33360583	Gmdrm	hyper	CHH	0.1063
Gm03	33462834	33463833	Gmdrm	hyper	CHH	0.0509
Gm03	33506248	33506715	Gmdrm	hyper	CHH	0.0234
Gm03	33544771	33545762	Gmdrm	hyper	CHH	0.0188
Gm03	33567679	33568632	Gmdrm	hyper	CHH	0.019
Gm03	33605140	33606117	Gmdrm	hyper	CHH	0.0432
Gm03	33671974	33672974	Gmdrm	hyper	CHH	0.1185
Gm03	33676895	33677894	Gmdrm	hyper	CHH	0.1061
Gm03	33677903	33678902	Gmdrm	hyper	CHH	0.0873

Gm03	33678911	33679910	Gmdrm	hyper	CHH	0.0748
Gm03	33679913	33680893	Gmdrm	hyper	CHH	0.0717
Gm03	33680917	33681913	Gmdrm	hyper	CHH	0.0635
Gm03	33681919	33682910	Gmdrm	hyper	CHH	0.0442
Gm03	33682932	33683919	Gmdrm	hyper	CHH	0.0601
Gm03	33683934	33684930	Gmdrm	hyper	CHH	0.1486
Gm03	33684940	33685940	Gmdrm	hyper	CHH	0.1221
Gm03	33685945	33686561	Gmdrm	hyper	CHH	0.0708
Gm03	33686747	33687727	Gmdrm	hyper	CHH	0.0438
Gm03	33700012	33701003	Gmdrm	hyper	CHH	0.0242
Gm03	33701020	33702020	Gmdrm	hyper	CHH	0.0533
Gm03	33709959	33710939	Gmdrm	hyper	CHH	0.0641
Gm03	33711986	33712952	Gmdrm	hyper	CHH	0.0273
Gm03	33715314	33716306	Gmdrm	hyper	CHH	0.0362
Gm03	33730694	33731679	Gmdrm	hyper	CHH	0.0181
Gm03	33757963	33758656	Gmdrm	hyper	CHH	0.0271
Gm03	33857780	33858631	Gmdrm	hyper	CHH	0.017
Gm03	33899996	33900995	Gmdrm	hyper	CHH	0.1396
Gm03	34031853	34032706	Gmdrm	hyper	CHH	0.0164
Gm03	34044055	34045048	Gmdrm	hyper	CHH	0.0185
Gm03	34070242	34071230	Gmdrm	hyper	CHH	0.1001
Gm03	34071248	34072245	Gmdrm	hyper	CHH	0.1064
Gm03	34072252	34073252	Gmdrm	hyper	CHH	0.1072
Gm03	34073261	34074256	Gmdrm	hyper	CHH	0.0638
Gm03	34133658	34134640	Gmdrm	hyper	CHH	0.0149
Gm03	34301844	34302201	Gmdrm	hyper	CHH	0.0355
Gm03	34306451	34307429	Gmdrm	hyper	CHH	0.0437
Gm03	34308522	34309521	Gmdrm	hyper	CHH	0.0181
Gm03	34321706	34322658	Gmdrm	hyper	CHH	0.1788
Gm03	34322717	34323715	Gmdrm	hyper	CHH	0.0766
Gm03	34446251	34447251	Gmdrm	hyper	CHH	0.0158
Gm03	34457791	34458708	Gmdrm	hyper	CHH	0.0221
Gm03	34469003	34469199	Gmdrm	hyper	CHH	0.0423
Gm03	34499583	34499868	Gmdrm	hyper	CHH	0.0222
Gm03	34581922	34582895	Gmdrm	hyper	CHH	0.0768
Gm03	34582950	34583948	Gmdrm	hyper	CHH	0.1026
Gm03	34584130	34585130	Gmdrm	hyper	CHH	0.1437
Gm03	34585136	34585766	Gmdrm	hyper	CHH	0.1759
Gm03	34590782	34591082	Gmdrm	hyper	CHH	0.0203
Gm03	34701607	34702572	Gmdrm	hyper	CHH	0.0144
Gm03	34880614	34881610	Gmdrm	hyper	CHH	0.0464
Gm03	34947630	34948540	Gmdrm	hyper	CHH	0.0141
Gm03	34993310	34994298	Gmdrm	hyper	CHH	0.0248
Gm03	35119045	35120029	Gmdrm	hyper	CHH	0.0133
Gm03	35138436	35139418	Gmdrm	hyper	CHH	0.0236
Gm03	35223003	35223992	Gmdrm	hyper	CHH	0.0272

Gm03	35246416	35247404	Gmdrm	hyper	CHH	0.0387
Gm03	35318955	35319682	Gmdrm	hyper	CHH	0.0184
Gm03	35353180	35354173	Gmdrm	hyper	CHH	0.0137
Gm03	35363721	35364720	Gmdrm	hyper	CHH	0.1062
Gm03	35364733	35365729	Gmdrm	hyper	CHH	0.0474
Gm03	35483087	35483154	Gmdrm	hyper	CHH	0.076
Gm03	35526556	35527552	Gmdrm	hyper	CHH	0.0138
Gm03	35585553	35586543	Gmdrm	hyper	CHH	0.0397
Gm03	35610827	35611647	Gmdrm	hyper	CHH	0.0543
Gm03	35651308	35652304	Gmdrm	hyper	CHH	0.0173
Gm03	35662409	35663396	Gmdrm	hyper	CHH	0.0131
Gm03	35674549	35675545	Gmdrm	hyper	CHH	0.0172
Gm03	35676383	35677378	Gmdrm	hyper	CHH	0.0171
Gm03	35678859	35679625	Gmdrm	hyper	CHH	0.0133
Gm03	35752720	35753716	Gmdrm	hyper	CHH	0.027
Gm03	35770834	35771828	Gmdrm	hyper	CHH	0.0157
Gm03	35826504	35827485	Gmdrm	hyper	CHH	0.0243
Gm03	35830518	35831512	Gmdrm	hyper	CHH	0.0178
Gm03	35848731	35849723	Gmdrm	hyper	CHH	0.0301
Gm03	35971837	35972836	Gmdrm	hyper	CHH	0.0194
Gm03	36016364	36017346	Gmdrm	hyper	CHH	0.0329
Gm03	36057172	36057707	Gmdrm	hyper	CHH	0.04
Gm03	36104643	36105616	Gmdrm	hyper	CHH	0.0479
Gm03	36118578	36119204	Gmdrm	hyper	CHH	0.0388
Gm03	36133379	36134358	Gmdrm	hyper	CHH	0.0322
Gm03	36177182	36178174	Gmdrm	hyper	CHH	0.0113
Gm03	36338645	36338738	Gmdrm	hyper	CHH	0.234
Gm03	36417935	36418625	Gmdrm	hyper	CHH	0.027
Gm03	36425515	36426508	Gmdrm	hyper	CHH	0.0225
Gm03	36427775	36427940	Gmdrm	hyper	CHH	0.104
Gm03	36511578	36512561	Gmdrm	hyper	CHH	0.0122
Gm03	36522235	36523234	Gmdrm	hyper	CHH	0.0146
Gm03	36531531	36532509	Gmdrm	hyper	CHH	0.0186
Gm03	36562723	36563691	Gmdrm	hyper	CHH	0.0226
Gm03	36566096	36567094	Gmdrm	hyper	CHH	0.0113
Gm03	36606412	36607410	Gmdrm	hyper	CHH	0.0207
Gm03	36648302	36649292	Gmdrm	hyper	CHH	0.0275
Gm03	36654844	36655831	Gmdrm	hyper	CHH	0.0135
Gm03	36665745	36666725	Gmdrm	hyper	CHH	0.064
Gm03	36844339	36845308	Gmdrm	hyper	CHH	0.0257
Gm03	36863629	36864233	Gmdrm	hyper	CHH	0.03
Gm03	36877136	36877874	Gmdrm	hyper	CHH	0.0219
Gm03	36892959	36893949	Gmdrm	hyper	CHH	0.0172
Gm03	36945157	36945759	Gmdrm	hyper	CHH	0.0822
Gm03	36982615	36983576	Gmdrm	hyper	CHH	0.0282
Gm03	36991925	36992879	Gmdrm	hyper	CHH	0.0248

Gm03	37014514	37015506	Gmdrm	hyper	CHH	0.0122
Gm03	37049446	37049595	Gmdrm	hyper	CHH	0.039
Gm03	37049700	37050614	Gmdrm	hyper	CHH	0.0246
Gm03	37062891	37063890	Gmdrm	hyper	CHH	0.0152
Gm03	37067294	37067679	Gmdrm	hyper	CHH	0.0382
Gm03	37101312	37102296	Gmdrm	hyper	CHH	0.024
Gm03	37201280	37202274	Gmdrm	hyper	CHH	0.0185
Gm03	37271650	37272650	Gmdrm	hyper	CHH	0.0656
Gm03	37287706	37288687	Gmdrm	hyper	CHH	0.016
Gm03	37300049	37301046	Gmdrm	hyper	CHH	0.0246
Gm03	37301861	37302854	Gmdrm	hyper	CHH	0.0108
Gm03	37318096	37319095	Gmdrm	hyper	CHH	0.016
Gm03	37344664	37345660	Gmdrm	hyper	CHH	0.0199
Gm03	37389521	37390499	Gmdrm	hyper	CHH	0.0296
Gm03	37390769	37391759	Gmdrm	hyper	CHH	0.0387
Gm03	37396206	37397159	Gmdrm	hyper	CHH	0.0129
Gm03	37440856	37441808	Gmdrm	hyper	CHH	0.0259
Gm03	37453539	37454535	Gmdrm	hyper	CHH	0.0174
Gm03	37458926	37459734	Gmdrm	hyper	CHH	0.017
Gm03	37512961	37513120	Gmdrm	hyper	CHH	0.06
Gm03	37527831	37528257	Gmdrm	hyper	CHH	0.0209
Gm03	37539550	37540529	Gmdrm	hyper	CHH	0.0164
Gm03	37639371	37640362	Gmdrm	hyper	CHH	0.0147
Gm03	37725608	37725897	Gmdrm	hyper	CHH	0.1089
Gm03	37751177	37751953	Gmdrm	hyper	CHH	0.0411
Gm03	37776212	37776517	Gmdrm	hyper	CHH	0.0733
Gm03	37787973	37788962	Gmdrm	hyper	CHH	0.0238
Gm03	37792054	37792555	Gmdrm	hyper	CHH	0.0611
Gm03	37793016	37793303	Gmdrm	hyper	CHH	0.0867
Gm03	37922808	37923206	Gmdrm	hyper	CHH	0.0229
Gm03	37967807	37968787	Gmdrm	hyper	CHH	0.0205
Gm03	38007037	38008016	Gmdrm	hyper	CHH	0.0211
Gm03	38010841	38011798	Gmdrm	hyper	CHH	0.0207
Gm03	38073033	38074030	Gmdrm	hyper	CHH	0.0229
Gm03	38095261	38096237	Gmdrm	hyper	CHH	0.0181
Gm03	38142223	38143215	Gmdrm	hyper	CHH	0.0137
Gm03	38153898	38154874	Gmdrm	hyper	CHH	0.0251
Gm03	38171712	38172666	Gmdrm	hyper	CHH	0.0125
Gm03	38176786	38177157	Gmdrm	hyper	CHH	0.0437
Gm03	38209702	38209777	Gmdrm	hyper	CHH	0.018
Gm03	38209906	38210133	Gmdrm	hyper	CHH	0.05
Gm03	38215833	38216829	Gmdrm	hyper	CHH	0.0132
Gm03	38229202	38229668	Gmdrm	hyper	CHH	0.0317
Gm03	38242750	38243750	Gmdrm	hyper	CHH	0.0315
Gm03	38356472	38357021	Gmdrm	hyper	CHH	0.027
Gm03	38359825	38359892	Gmdrm	hyper	CHH	0.03

Gm03	38366496	38367486	Gmdrm	hyper	CHH	0.0226
Gm03	38370082	38371080	Gmdrm	hyper	CHH	0.0216
Gm03	38393042	38393199	Gmdrm	hyper	CHH	0.0442
Gm03	38453836	38454811	Gmdrm	hyper	CHH	0.0152
Gm03	38458336	38458855	Gmdrm	hyper	CHH	0.0403
Gm03	38493585	38494577	Gmdrm	hyper	CHH	0.0327
Gm03	38607585	38608560	Gmdrm	hyper	CHH	0.0147
Gm03	38623991	38624986	Gmdrm	hyper	CHH	0.0164
Gm03	38640871	38641821	Gmdrm	hyper	CHH	0.0281
Gm03	38666622	38667553	Gmdrm	hyper	CHH	0.0156
Gm03	38697232	38698180	Gmdrm	hyper	CHH	0.0175
Gm03	38705160	38706148	Gmdrm	hyper	CHH	0.0217
Gm03	38758550	38758808	Gmdrm	hyper	CHH	0.0238
Gm03	38781226	38781689	Gmdrm	hyper	CHH	0.0222
Gm03	38801513	38802489	Gmdrm	hyper	CHH	0.0427
Gm03	38804797	38805791	Gmdrm	hyper	CHH	0.0313
Gm03	38850212	38851103	Gmdrm	hyper	CHH	0.0216
Gm03	38852253	38853241	Gmdrm	hyper	CHH	0.01
Gm03	38963083	38963532	Gmdrm	hyper	CHH	0.0254
Gm03	38974848	38975827	Gmdrm	hyper	CHH	0.0105
Gm03	38993955	38994940	Gmdrm	hyper	CHH	0.0211
Gm03	39037554	39038537	Gmdrm	hyper	CHH	0.0122
Gm03	39059148	39060121	Gmdrm	hyper	CHH	0.0182
Gm03	39076808	39077778	Gmdrm	hyper	CHH	0.0148
Gm03	39110018	39110110	Gmdrm	hyper	CHH	0.085
Gm03	39138778	39139701	Gmdrm	hyper	CHH	0.0303
Gm03	39157422	39158420	Gmdrm	hyper	CHH	0.0275
Gm03	39234899	39235868	Gmdrm	hyper	CHH	0.0242
Gm03	39262923	39263896	Gmdrm	hyper	CHH	0.0157
Gm03	39348804	39349801	Gmdrm	hyper	CHH	0.0132
Gm03	39360577	39361560	Gmdrm	hyper	CHH	0.0203
Gm03	39369927	39370061	Gmdrm	hyper	CHH	0.0472
Gm03	39391617	39392615	Gmdrm	hyper	CHH	0.0186
Gm03	39397165	39398165	Gmdrm	hyper	CHH	0.0153
Gm03	39407170	39408145	Gmdrm	hyper	CHH	0.0169
Gm03	39486726	39487712	Gmdrm	hyper	CHH	0.0256
Gm03	39498196	39499195	Gmdrm	hyper	CHH	0.0174
Gm03	39520935	39521918	Gmdrm	hyper	CHH	0.0429
Gm03	39548075	39548414	Gmdrm	hyper	CHH	0.0525
Gm03	39588332	39589313	Gmdrm	hyper	CHH	0.023
Gm03	39606053	39607019	Gmdrm	hyper	CHH	0.0128
Gm03	39615364	39615672	Gmdrm	hyper	CHH	0.0314
Gm03	39621855	39622852	Gmdrm	hyper	CHH	0.0242
Gm03	39639502	39640470	Gmdrm	hyper	CHH	0.0406
Gm03	39641533	39642529	Gmdrm	hyper	CHH	0.0363
Gm03	39711478	39712468	Gmdrm	hyper	CHH	0.0266

Gm03	39748090	39749071	Gmdrm	hyper	CHH	0.0181
Gm03	39761251	39762135	Gmdrm	hyper	CHH	0.0305
Gm03	39820611	39821610	Gmdrm	hyper	CHH	0.0185
Gm03	39858613	39859590	Gmdrm	hyper	CHH	0.0169
Gm03	39897885	39898873	Gmdrm	hyper	CHH	0.0139
Gm03	39900904	39901903	Gmdrm	hyper	CHH	0.0145
Gm03	39907048	39908046	Gmdrm	hyper	CHH	0.0262
Gm03	39922301	39922698	Gmdrm	hyper	CHH	0.044
Gm03	39985057	39985231	Gmdrm	hyper	CHH	0.136
Gm03	39987207	39988184	Gmdrm	hyper	CHH	0.0101
Gm03	40010233	40010303	Gmdrm	hyper	CHH	0.0355
Gm03	40108916	40109912	Gmdrm	hyper	CHH	0.021
Gm03	40115908	40116894	Gmdrm	hyper	CHH	0.0132
Gm03	40220813	40221593	Gmdrm	hyper	CHH	0.0206
Gm03	40291127	40291850	Gmdrm	hyper	CHH	0.0252
Gm03	40308024	40308795	Gmdrm	hyper	CHH	0.0202
Gm03	40314494	40315490	Gmdrm	hyper	CHH	0.028
Gm03	40335000	40335992	Gmdrm	hyper	CHH	0.0189
Gm03	40357119	40357322	Gmdrm	hyper	CHH	0.045
Gm03	40359914	40360897	Gmdrm	hyper	CHH	0.0186
Gm03	40361921	40362866	Gmdrm	hyper	CHH	0.0138
Gm03	40362930	40363925	Gmdrm	hyper	CHH	0.0169
Gm03	40376898	40377269	Gmdrm	hyper	CHH	0.0435
Gm03	40428607	40428705	Gmdrm	hyper	CHH	0.0567
Gm03	40475803	40476790	Gmdrm	hyper	CHH	0.022
Gm03	40478205	40479195	Gmdrm	hyper	CHH	0.0366
Gm03	40501035	40501595	Gmdrm	hyper	CHH	0.0181
Gm03	40541981	40542609	Gmdrm	hyper	CHH	0.0194
Gm03	40637218	40638191	Gmdrm	hyper	CHH	0.0276
Gm03	40643978	40644969	Gmdrm	hyper	CHH	0.0108
Gm03	40658431	40659427	Gmdrm	hyper	CHH	0.0286
Gm03	40691369	40692357	Gmdrm	hyper	CHH	0.0136
Gm03	40705917	40706908	Gmdrm	hyper	CHH	0.0167
Gm03	40756068	40757055	Gmdrm	hyper	CHH	0.0133
Gm03	40791172	40792165	Gmdrm	hyper	CHH	0.0138
Gm03	40853424	40853921	Gmdrm	hyper	CHH	0.025
Gm03	40900768	40901720	Gmdrm	hyper	CHH	0.0251
Gm03	40912019	40912169	Gmdrm	hyper	CHH	0.0258
Gm03	40926344	40927333	Gmdrm	hyper	CHH	0.0238
Gm03	40940302	40941302	Gmdrm	hyper	CHH	0.0145
Gm03	40971457	40972454	Gmdrm	hyper	CHH	0.0155
Gm03	40999164	41000152	Gmdrm	hyper	CHH	0.0188
Gm03	41007954	41008947	Gmdrm	hyper	CHH	0.0128
Gm03	41008991	41009986	Gmdrm	hyper	CHH	0.0244
Gm03	41010002	41010416	Gmdrm	hyper	CHH	0.0755
Gm03	41078607	41078806	Gmdrm	hyper	CHH	0.0889

Gm03	41121855	41122630	Gmdrm	hyper	CHH	0.0236
Gm03	41159089	41160078	Gmdrm	hyper	CHH	0.0225
Gm03	41162815	41163791	Gmdrm	hyper	CHH	0.0375
Gm03	41181699	41182609	Gmdrm	hyper	CHH	0.0137
Gm03	41197894	41198876	Gmdrm	hyper	CHH	0.0154
Gm03	41218561	41219559	Gmdrm	hyper	CHH	0.0264
Gm03	41234673	41235672	Gmdrm	hyper	CHH	0.0157
Gm03	41247860	41248853	Gmdrm	hyper	CHH	0.0611
Gm03	41262766	41263298	Gmdrm	hyper	CHH	0.0352
Gm03	41270016	41271003	Gmdrm	hyper	CHH	0.0185
Gm03	41286093	41286630	Gmdrm	hyper	CHH	0.0279
Gm03	41376500	41376914	Gmdrm	hyper	CHH	0.0218
Gm03	41395823	41396815	Gmdrm	hyper	CHH	0.011
Gm03	41427442	41428438	Gmdrm	hyper	CHH	0.0102
Gm03	41500389	41501387	Gmdrm	hyper	CHH	0.0222
Gm03	41543802	41544787	Gmdrm	hyper	CHH	0.0188
Gm03	41616367	41617367	Gmdrm	hyper	CHH	0.024
Gm03	41641905	41642284	Gmdrm	hyper	CHH	0.0306
Gm03	41668755	41669752	Gmdrm	hyper	CHH	0.0172
Gm03	41684003	41684014	Gmdrm	hyper	CHH	0.082
Gm03	41702835	41703521	Gmdrm	hyper	CHH	0.0214
Gm03	41704688	41705628	Gmdrm	hyper	CHH	0.0219
Gm03	41726384	41726693	Gmdrm	hyper	CHH	0.0543
Gm03	41737843	41738818	Gmdrm	hyper	CHH	0.017
Gm03	41777018	41777980	Gmdrm	hyper	CHH	0.0157
Gm03	41805891	41806854	Gmdrm	hyper	CHH	0.0283
Gm03	41836410	41837019	Gmdrm	hyper	CHH	0.0456
Gm03	41871496	41872493	Gmdrm	hyper	CHH	0.0204
Gm03	41878128	41878445	Gmdrm	hyper	CHH	0.0367
Gm03	41885372	41886347	Gmdrm	hyper	CHH	0.0211
Gm03	41887818	41888001	Gmdrm	hyper	CHH	0.064
Gm03	41888400	41888960	Gmdrm	hyper	CHH	0.0268
Gm03	41911398	41912395	Gmdrm	hyper	CHH	0.0273
Gm03	42000235	42001224	Gmdrm	hyper	CHH	0.0139
Gm03	42022096	42023091	Gmdrm	hyper	CHH	0.0151
Gm03	42076870	42077869	Gmdrm	hyper	CHH	0.0144
Gm03	42107724	42108722	Gmdrm	hyper	CHH	0.0286
Gm03	42175230	42176220	Gmdrm	hyper	CHH	0.0115
Gm03	42220064	42221064	Gmdrm	hyper	CHH	0.0238
Gm03	42371636	42372626	Gmdrm	hyper	CHH	0.0166
Gm03	42403245	42403400	Gmdrm	hyper	CHH	0.0563
Gm03	42411599	42412575	Gmdrm	hyper	CHH	0.0226
Gm03	42462653	42463046	Gmdrm	hyper	CHH	0.0336
Gm03	42468258	42469253	Gmdrm	hyper	CHH	0.0135
Gm03	42506925	42507924	Gmdrm	hyper	CHH	0.0164
Gm03	42543800	42543851	Gmdrm	hyper	CHH	0.044

Gm03	42575556	42576544	Gmdrm	hyper	CHH	0.0243
Gm03	42620528	42620781	Gmdrm	hyper	CHH	0.0586
Gm03	42664082	42665068	Gmdrm	hyper	CHH	0.0225
Gm03	42689995	42690920	Gmdrm	hyper	CHH	0.0158
Gm03	42697256	42698228	Gmdrm	hyper	CHH	0.0187
Gm03	42750644	42751624	Gmdrm	hyper	CHH	0.0182
Gm03	42751682	42752662	Gmdrm	hyper	CHH	0.0147
Gm03	42752750	42753024	Gmdrm	hyper	CHH	0.0284
Gm03	42774863	42775832	Gmdrm	hyper	CHH	0.0209
Gm03	42785789	42786773	Gmdrm	hyper	CHH	0.0202
Gm03	42818264	42819264	Gmdrm	hyper	CHH	0.0192
Gm03	42826030	42826112	Gmdrm	hyper	CHH	0.0363
Gm03	42844735	42845731	Gmdrm	hyper	CHH	0.0186
Gm03	42851685	42852587	Gmdrm	hyper	CHH	0.0383
Gm03	42866794	42867400	Gmdrm	hyper	CHH	0.0293
Gm03	42888015	42888973	Gmdrm	hyper	CHH	0.0298
Gm03	42905115	42906099	Gmdrm	hyper	CHH	0.0224
Gm03	43009872	43010240	Gmdrm	hyper	CHH	0.0476
Gm03	43107987	43108964	Gmdrm	hyper	CHH	0.0191
Gm03	43173589	43174562	Gmdrm	hyper	CHH	0.0449
Gm03	43176783	43177777	Gmdrm	hyper	CHH	0.0145
Gm03	43203849	43204842	Gmdrm	hyper	CHH	0.0174
Gm03	43220654	43221610	Gmdrm	hyper	CHH	0.0207
Gm03	43305280	43305561	Gmdrm	hyper	CHH	0.0674
Gm03	43344573	43345564	Gmdrm	hyper	CHH	0.0226
Gm03	43367055	43368049	Gmdrm	hyper	CHH	0.0377
Gm03	43368097	43368262	Gmdrm	hyper	CHH	0.0604
Gm03	43385299	43386263	Gmdrm	hyper	CHH	0.0269
Gm03	43430050	43431040	Gmdrm	hyper	CHH	0.0218
Gm03	43464039	43465015	Gmdrm	hyper	CHH	0.0365
Gm03	43470648	43471349	Gmdrm	hyper	CHH	0.0202
Gm03	43492377	43493362	Gmdrm	hyper	CHH	0.0339
Gm03	43495167	43496112	Gmdrm	hyper	CHH	0.0166
Gm03	43532044	43533040	Gmdrm	hyper	CHH	0.021
Gm03	43564544	43565492	Gmdrm	hyper	CHH	0.0136
Gm03	43576940	43577610	Gmdrm	hyper	CHH	0.0196
Gm03	43581672	43582665	Gmdrm	hyper	CHH	0.0237
Gm03	43594533	43595434	Gmdrm	hyper	CHH	0.0118
Gm03	43645464	43646451	Gmdrm	hyper	CHH	0.0234
Gm03	43660991	43661028	Gmdrm	hyper	CHH	0.098
Gm03	43665962	43666935	Gmdrm	hyper	CHH	0.0177
Gm03	43687271	43688206	Gmdrm	hyper	CHH	0.0202
Gm03	43694045	43694931	Gmdrm	hyper	CHH	0.0195
Gm03	43716786	43717762	Gmdrm	hyper	CHH	0.0148
Gm03	43734701	43735697	Gmdrm	hyper	CHH	0.0433
Gm03	43740567	43740815	Gmdrm	hyper	CHH	0.0689

Gm03	43743156	43744152	Gmdrm	hyper	CHH	0.0248
Gm03	43744158	43744315	Gmdrm	hyper	CHH	0.0606
Gm03	43755852	43756852	Gmdrm	hyper	CHH	0.0259
Gm03	43775440	43775594	Gmdrm	hyper	CHH	0.0691
Gm03	43784736	43785720	Gmdrm	hyper	CHH	0.0407
Gm03	43810907	43811889	Gmdrm	hyper	CHH	0.023
Gm03	43880405	43880973	Gmdrm	hyper	CHH	0.0151
Gm03	43923593	43924525	Gmdrm	hyper	CHH	0.0173
Gm03	43944369	43945362	Gmdrm	hyper	CHH	0.0154
Gm03	44015965	44016511	Gmdrm	hyper	CHH	0.031
Gm03	44025303	44026286	Gmdrm	hyper	CHH	0.0183
Gm03	44049753	44049876	Gmdrm	hyper	CHH	0.102
Gm03	44076992	44077989	Gmdrm	hyper	CHH	0.0144
Gm03	44083229	44083306	Gmdrm	hyper	CHH	0.0709
Gm03	44086581	44087580	Gmdrm	hyper	CHH	0.0143
Gm03	44100710	44101701	Gmdrm	hyper	CHH	0.0143
Gm03	44159141	44160138	Gmdrm	hyper	CHH	0.0114
Gm03	44172302	44173302	Gmdrm	hyper	CHH	0.023
Gm03	44195356	44195463	Gmdrm	hyper	CHH	0.0243
Gm03	44206450	44207437	Gmdrm	hyper	CHH	0.0138
Gm03	44207465	44207800	Gmdrm	hyper	CHH	0.0155
Gm03	44228626	44229038	Gmdrm	hyper	CHH	0.1257
Gm03	44266326	44267324	Gmdrm	hyper	CHH	0.016
Gm03	44284867	44285838	Gmdrm	hyper	CHH	0.0157
Gm03	44363509	44364494	Gmdrm	hyper	CHH	0.0217
Gm03	44365432	44366196	Gmdrm	hyper	CHH	0.0538
Gm03	44388676	44389673	Gmdrm	hyper	CHH	0.0105
Gm03	44389691	44390198	Gmdrm	hyper	CHH	0.0295
Gm03	44395329	44395867	Gmdrm	hyper	CHH	0.0194
Gm03	44403861	44404852	Gmdrm	hyper	CHH	0.02
Gm03	44451359	44452315	Gmdrm	hyper	CHH	0.0192
Gm03	44486632	44486729	Gmdrm	hyper	CHH	0.0281
Gm03	44496161	44496666	Gmdrm	hyper	CHH	0.0222
Gm03	44531175	44532160	Gmdrm	hyper	CHH	0.0233
Gm03	44549368	44550366	Gmdrm	hyper	CHH	0.0185
Gm03	44564756	44565734	Gmdrm	hyper	CHH	0.0285
Gm03	44665058	44666041	Gmdrm	hyper	CHH	0.0182
Gm03	44679819	44680816	Gmdrm	hyper	CHH	0.0235
Gm03	44710594	44711583	Gmdrm	hyper	CHH	0.0183
Gm03	44741436	44741688	Gmdrm	hyper	CHH	0.0272
Gm03	44782027	44782810	Gmdrm	hyper	CHH	0.0275
Gm03	44895571	44896544	Gmdrm	hyper	CHH	0.0163
Gm03	44902184	44903170	Gmdrm	hyper	CHH	0.0126
Gm03	44946835	44947816	Gmdrm	hyper	CHH	0.0157
Gm03	44994074	44995063	Gmdrm	hyper	CHH	0.0268
Gm03	45036199	45037165	Gmdrm	hyper	CHH	0.0157

Gm03	45053070	45054051	Gmdrm	hyper	CHH	0.0223
Gm03	45054771	45055146	Gmdrm	hyper	CHH	0.0533
Gm03	45059452	45060442	Gmdrm	hyper	CHH	0.0108
Gm03	45079683	45080354	Gmdrm	hyper	CHH	0.0742
Gm03	45264472	45264925	Gmdrm	hyper	CHH	0.0413
Gm03	45313570	45313937	Gmdrm	hyper	CHH	0.0419
Gm03	45405395	45406390	Gmdrm	hyper	CHH	0.0111
Gm03	45422315	45422440	Gmdrm	hyper	CHH	0.118
Gm03	45426364	45427364	Gmdrm	hyper	CHH	0.0168
Gm03	45434166	45435165	Gmdrm	hyper	CHH	0.0172
Gm03	45454725	45454771	Gmdrm	hyper	CHH	0.042
Gm03	45468782	45469639	Gmdrm	hyper	CHH	0.0227
Gm03	45532999	45533990	Gmdrm	hyper	CHH	0.0124
Gm03	45543481	45543740	Gmdrm	hyper	CHH	0.0281
Gm03	45554916	45555895	Gmdrm	hyper	CHH	0.0176
Gm03	45616217	45617207	Gmdrm	hyper	CHH	0.0271
Gm03	45736771	45737771	Gmdrm	hyper	CHH	0.0252
Gm03	45740192	45741190	Gmdrm	hyper	CHH	0.0132
Gm03	45770950	45771017	Gmdrm	hyper	CHH	0.0517
Gm03	45775179	45775538	Gmdrm	hyper	CHH	0.0523
Gm03	45780316	45781255	Gmdrm	hyper	CHH	0.03
Gm03	45864072	45865067	Gmdrm	hyper	CHH	0.044
Gm03	45889515	45890356	Gmdrm	hyper	CHH	0.0333
Gm03	45928190	45929147	Gmdrm	hyper	CHH	0.0211
Gm03	45936033	45936615	Gmdrm	hyper	CHH	0.0223
Gm03	45950204	45951200	Gmdrm	hyper	CHH	0.0251
Gm03	45985165	45985638	Gmdrm	hyper	CHH	0.0387
Gm03	46001865	46002860	Gmdrm	hyper	CHH	0.0316
Gm03	46022279	46023251	Gmdrm	hyper	CHH	0.0299
Gm03	46033287	46034268	Gmdrm	hyper	CHH	0.0134
Gm03	46063513	46064505	Gmdrm	hyper	CHH	0.0159
Gm03	46086718	46087011	Gmdrm	hyper	CHH	0.0243
Gm03	46111085	46112082	Gmdrm	hyper	CHH	0.0206
Gm03	46165289	46165739	Gmdrm	hyper	CHH	0.0349
Gm03	46187248	46188236	Gmdrm	hyper	CHH	0.0189
Gm03	46254087	46254587	Gmdrm	hyper	CHH	0.0514
Gm03	46260204	46260616	Gmdrm	hyper	CHH	0.018
Gm03	46286224	46287220	Gmdrm	hyper	CHH	0.0184
Gm03	46314975	46315819	Gmdrm	hyper	CHH	0.019
Gm03	46339167	46340092	Gmdrm	hyper	CHH	0.0257
Gm03	46363377	46363599	Gmdrm	hyper	CHH	0.05
Gm03	46384647	46385564	Gmdrm	hyper	CHH	0.0347
Gm03	46394325	46394668	Gmdrm	hyper	CHH	0.0209
Gm03	46416177	46417174	Gmdrm	hyper	CHH	0.0283
Gm03	46476807	46477780	Gmdrm	hyper	CHH	0.0138
Gm03	46478294	46479275	Gmdrm	hyper	CHH	0.0135

Gm03	46583181	46583942	Gmdrm	hyper	CHH	0.0159
Gm03	46585095	46586095	Gmdrm	hyper	CHH	0.0144
Gm03	46613324	46614320	Gmdrm	hyper	CHH	0.0213
Gm03	46668593	46669308	Gmdrm	hyper	CHH	0.029
Gm03	46678473	46679037	Gmdrm	hyper	CHH	0.0176
Gm03	46707584	46708567	Gmdrm	hyper	CHH	0.0167
Gm03	46756596	46757090	Gmdrm	hyper	CHH	0.0189
Gm03	46773815	46774001	Gmdrm	hyper	CHH	0.0622
Gm03	46897451	46898451	Gmdrm	hyper	CHH	0.1069
Gm03_scaffo	32907	33902	Gmdrm	hyper	CHH	0.0468
Gm03_scaffo	74719	75538	Gmdrm	hyper	CHH	0.11
Gm03_scaffo	188957	189630	Gmdrm	hyper	CHH	0.0404
Gm03_scaffo	198778	199777	Gmdrm	hyper	CHH	0.0158
Gm04	30630	31623	Gmdrm	hyper	CHH	0.0128
Gm04	53920	54917	Gmdrm	hyper	CHH	0.0179
Gm04	102521	102988	Gmdrm	hyper	CHH	0.0256
Gm04	202776	202970	Gmdrm	hyper	CHH	0.0288
Gm04	218189	219181	Gmdrm	hyper	CHH	0.0141
Gm04	253134	253844	Gmdrm	hyper	CHH	0.0286
Gm04	298192	299172	Gmdrm	hyper	CHH	0.0262
Gm04	374172	375170	Gmdrm	hyper	CHH	0.018
Gm04	468053	468991	Gmdrm	hyper	CHH	0.0151
Gm04	470099	471092	Gmdrm	hyper	CHH	0.0292
Gm04	502055	503042	Gmdrm	hyper	CHH	0.0158
Gm04	524576	525564	Gmdrm	hyper	CHH	0.0175
Gm04	530672	531254	Gmdrm	hyper	CHH	0.0296
Gm04	538671	538947	Gmdrm	hyper	CHH	0.0643
Gm04	589745	590742	Gmdrm	hyper	CHH	0.0134
Gm04	610974	611958	Gmdrm	hyper	CHH	0.0231
Gm04	658110	659108	Gmdrm	hyper	CHH	0.0174
Gm04	763173	764097	Gmdrm	hyper	CHH	0.0166
Gm04	825850	826807	Gmdrm	hyper	CHH	0.012
Gm04	861414	861875	Gmdrm	hyper	CHH	0.0694
Gm04	871672	871912	Gmdrm	hyper	CHH	0.0315
Gm04	875340	875878	Gmdrm	hyper	CHH	0.0244
Gm04	911192	912155	Gmdrm	hyper	CHH	0.0291
Gm04	921632	922588	Gmdrm	hyper	CHH	0.0467
Gm04	948981	949980	Gmdrm	hyper	CHH	0.0238
Gm04	961732	962727	Gmdrm	hyper	CHH	0.0148
Gm04	1007088	1007385	Gmdrm	hyper	CHH	0.03
Gm04	1047017	1047661	Gmdrm	hyper	CHH	0.0416
Gm04	1112702	1113683	Gmdrm	hyper	CHH	0.0175
Gm04	1116732	1117685	Gmdrm	hyper	CHH	0.0148
Gm04	1135549	1136520	Gmdrm	hyper	CHH	0.0579
Gm04	1175854	1176823	Gmdrm	hyper	CHH	0.0192
Gm04	1197760	1198760	Gmdrm	hyper	CHH	0.0207

Gm04	1232131	1233105	Gmdrm	hyper	CHH	0.012
Gm04	1281564	1282558	Gmdrm	hyper	CHH	0.0168
Gm04	1353171	1353651	Gmdrm	hyper	CHH	0.0632
Gm04	1443628	1444620	Gmdrm	hyper	CHH	0.0131
Gm04	1478646	1479638	Gmdrm	hyper	CHH	0.0189
Gm04	1531020	1531955	Gmdrm	hyper	CHH	0.0219
Gm04	1708094	1709087	Gmdrm	hyper	CHH	0.0204
Gm04	1714356	1715346	Gmdrm	hyper	CHH	0.0121
Gm04	1715368	1716254	Gmdrm	hyper	CHH	0.0147
Gm04	1769347	1769936	Gmdrm	hyper	CHH	0.0126
Gm04	1791620	1792538	Gmdrm	hyper	CHH	0.017
Gm04	1817753	1818743	Gmdrm	hyper	CHH	0.0142
Gm04	1866405	1866853	Gmdrm	hyper	CHH	0.0565
Gm04	1948381	1949377	Gmdrm	hyper	CHH	0.0213
Gm04	2041234	2042233	Gmdrm	hyper	CHH	0.0211
Gm04	2051188	2052166	Gmdrm	hyper	CHH	0.0155
Gm04	2094283	2095218	Gmdrm	hyper	CHH	0.0224
Gm04	2101035	2102035	Gmdrm	hyper	CHH	0.012
Gm04	2111128	2112084	Gmdrm	hyper	CHH	0.0162
Gm04	2140471	2141279	Gmdrm	hyper	CHH	0.0253
Gm04	2153947	2154392	Gmdrm	hyper	CHH	0.0416
Gm04	2165819	2166134	Gmdrm	hyper	CHH	0.0312
Gm04	2172414	2173411	Gmdrm	hyper	CHH	0.024
Gm04	2176435	2177427	Gmdrm	hyper	CHH	0.0115
Gm04	2179847	2180840	Gmdrm	hyper	CHH	0.0278
Gm04	2192514	2193502	Gmdrm	hyper	CHH	0.0219
Gm04	2203055	2203372	Gmdrm	hyper	CHH	0.0829
Gm04	2260153	2261148	Gmdrm	hyper	CHH	0.0105
Gm04	2307761	2308728	Gmdrm	hyper	CHH	0.0166
Gm04	2336819	2337811	Gmdrm	hyper	CHH	0.0155
Gm04	2340084	2340188	Gmdrm	hyper	CHH	0.0463
Gm04	2408069	2409030	Gmdrm	hyper	CHH	0.0172
Gm04	2478863	2478953	Gmdrm	hyper	CHH	0.06
Gm04	2495202	2496122	Gmdrm	hyper	CHH	0.0214
Gm04	2517635	2518453	Gmdrm	hyper	CHH	0.0138
Gm04	2545056	2546033	Gmdrm	hyper	CHH	0.0127
Gm04	2681067	2682060	Gmdrm	hyper	CHH	0.0324
Gm04	2682076	2682417	Gmdrm	hyper	CHH	0.0186
Gm04	2743219	2744216	Gmdrm	hyper	CHH	0.0154
Gm04	2769617	2770293	Gmdrm	hyper	CHH	0.0224
Gm04	2776809	2777803	Gmdrm	hyper	CHH	0.0108
Gm04	2781924	2782910	Gmdrm	hyper	CHH	0.0134
Gm04	2827527	2828487	Gmdrm	hyper	CHH	0.0348
Gm04	2854966	2855940	Gmdrm	hyper	CHH	0.0146
Gm04	2861658	2862432	Gmdrm	hyper	CHH	0.0173
Gm04	2875296	2875600	Gmdrm	hyper	CHH	0.0335

Gm04	2900198	2901195	Gmdrm	hyper	CHH	0.0164
Gm04	2946945	2947915	Gmdrm	hyper	CHH	0.0155
Gm04	2962423	2963396	Gmdrm	hyper	CHH	0.0119
Gm04	2966309	2967309	Gmdrm	hyper	CHH	0.0173
Gm04	2985484	2985713	Gmdrm	hyper	CHH	0.035
Gm04	3003892	3004840	Gmdrm	hyper	CHH	0.0208
Gm04	3021295	3022293	Gmdrm	hyper	CHH	0.0193
Gm04	3074857	3075681	Gmdrm	hyper	CHH	0.016
Gm04	3087097	3088066	Gmdrm	hyper	CHH	0.03
Gm04	3090619	3091374	Gmdrm	hyper	CHH	0.0291
Gm04	3117881	3118880	Gmdrm	hyper	CHH	0.0101
Gm04	3124160	3125151	Gmdrm	hyper	CHH	0.03
Gm04	3125173	3126128	Gmdrm	hyper	CHH	0.0162
Gm04	3136448	3136973	Gmdrm	hyper	CHH	0.0238
Gm04	3151749	3152741	Gmdrm	hyper	CHH	0.0189
Gm04	3154197	3154763	Gmdrm	hyper	CHH	0.0507
Gm04	3240643	3241638	Gmdrm	hyper	CHH	0.0197
Gm04	3256295	3256687	Gmdrm	hyper	CHH	0.0258
Gm04	3292008	3292877	Gmdrm	hyper	CHH	0.0276
Gm04	3297320	3298314	Gmdrm	hyper	CHH	0.0366
Gm04	3312069	3313063	Gmdrm	hyper	CHH	0.0211
Gm04	3353294	3354289	Gmdrm	hyper	CHH	0.0233
Gm04	3385329	3386046	Gmdrm	hyper	CHH	0.0139
Gm04	3440089	3441080	Gmdrm	hyper	CHH	0.0212
Gm04	3478063	3478682	Gmdrm	hyper	CHH	0.016
Gm04	3482033	3482323	Gmdrm	hyper	CHH	0.0776
Gm04	3507313	3508307	Gmdrm	hyper	CHH	0.0274
Gm04	3508700	3508895	Gmdrm	hyper	CHH	0.052
Gm04	3512477	3513474	Gmdrm	hyper	CHH	0.0129
Gm04	3516770	3517760	Gmdrm	hyper	CHH	0.028
Gm04	3607206	3608191	Gmdrm	hyper	CHH	0.0325
Gm04	3635690	3635864	Gmdrm	hyper	CHH	0.0607
Gm04	3642348	3642771	Gmdrm	hyper	CHH	0.016
Gm04	3706114	3706165	Gmdrm	hyper	CHH	0.0328
Gm04	3722218	3723217	Gmdrm	hyper	CHH	0.0138
Gm04	3736836	3737836	Gmdrm	hyper	CHH	0.0256
Gm04	3787671	3788654	Gmdrm	hyper	CHH	0.012
Gm04	3842088	3843031	Gmdrm	hyper	CHH	0.0165
Gm04	3879877	3880872	Gmdrm	hyper	CHH	0.0137
Gm04	3905416	3906386	Gmdrm	hyper	CHH	0.0219
Gm04	3945062	3945561	Gmdrm	hyper	CHH	0.0372
Gm04	3974287	3975268	Gmdrm	hyper	CHH	0.0217
Gm04	4001549	4001644	Gmdrm	hyper	CHH	0.082
Gm04	4044954	4045945	Gmdrm	hyper	CHH	0.0247
Gm04	4081233	4082229	Gmdrm	hyper	CHH	0.0127
Gm04	4104541	4105532	Gmdrm	hyper	CHH	0.0229

Gm04	4122638	4122972	Gmdrm	hyper	CHH	0.0336
Gm04	4126166	4126920	Gmdrm	hyper	CHH	0.0185
Gm04	4133701	4134660	Gmdrm	hyper	CHH	0.0205
Gm04	4170175	4170430	Gmdrm	hyper	CHH	0.0192
Gm04	4189760	4190726	Gmdrm	hyper	CHH	0.0204
Gm04	4210597	4210727	Gmdrm	hyper	CHH	0.054
Gm04	4226287	4227270	Gmdrm	hyper	CHH	0.0316
Gm04	4280845	4281832	Gmdrm	hyper	CHH	0.014
Gm04	4337683	4337882	Gmdrm	hyper	CHH	0.0293
Gm04	4372303	4373260	Gmdrm	hyper	CHH	0.0114
Gm04	4404533	4405517	Gmdrm	hyper	CHH	0.02
Gm04	4412012	4412174	Gmdrm	hyper	CHH	0.0191
Gm04	4427102	4428078	Gmdrm	hyper	CHH	0.0122
Gm04	4476337	4477336	Gmdrm	hyper	CHH	0.012
Gm04	4477358	4478321	Gmdrm	hyper	CHH	0.016
Gm04	4547670	4547860	Gmdrm	hyper	CHH	0.055
Gm04	4553270	4553911	Gmdrm	hyper	CHH	0.0347
Gm04	4570387	4570771	Gmdrm	hyper	CHH	0.0276
Gm04	4602593	4603070	Gmdrm	hyper	CHH	0.0244
Gm04	4692139	4693125	Gmdrm	hyper	CHH	0.0109
Gm04	4716444	4717186	Gmdrm	hyper	CHH	0.028
Gm04	4735591	4736185	Gmdrm	hyper	CHH	0.0267
Gm04	4748935	4749926	Gmdrm	hyper	CHH	0.0307
Gm04	4777272	4778236	Gmdrm	hyper	CHH	0.0229
Gm04	4797262	4798251	Gmdrm	hyper	CHH	0.0163
Gm04	4804303	4805298	Gmdrm	hyper	CHH	0.0189
Gm04	4886738	4886877	Gmdrm	hyper	CHH	0.0815
Gm04	4911534	4911688	Gmdrm	hyper	CHH	0.0392
Gm04	4952322	4953306	Gmdrm	hyper	CHH	0.0232
Gm04	5068379	5069160	Gmdrm	hyper	CHH	0.0226
Gm04	5094692	5095657	Gmdrm	hyper	CHH	0.0296
Gm04	5100197	5101189	Gmdrm	hyper	CHH	0.0255
Gm04	5107544	5108533	Gmdrm	hyper	CHH	0.0166
Gm04	5132919	5133101	Gmdrm	hyper	CHH	0.0637
Gm04	5142202	5143153	Gmdrm	hyper	CHH	0.0203
Gm04	5146135	5146522	Gmdrm	hyper	CHH	0.0314
Gm04	5146638	5147624	Gmdrm	hyper	CHH	0.0168
Gm04	5154747	5155716	Gmdrm	hyper	CHH	0.0204
Gm04	5164735	5165721	Gmdrm	hyper	CHH	0.0448
Gm04	5168078	5169008	Gmdrm	hyper	CHH	0.0123
Gm04	5227573	5228540	Gmdrm	hyper	CHH	0.029
Gm04	5244882	5245824	Gmdrm	hyper	CHH	0.034
Gm04	5247957	5248738	Gmdrm	hyper	CHH	0.0219
Gm04	5250418	5250620	Gmdrm	hyper	CHH	0.0443
Gm04	5277827	5278485	Gmdrm	hyper	CHH	0.0138
Gm04	5302042	5302363	Gmdrm	hyper	CHH	0.0585

Gm04	5394427	5394579	Gmdrm	hyper	CHH	0.0457
Gm04	5418526	5418617	Gmdrm	hyper	CHH	0.075
Gm04	5431208	5431364	Gmdrm	hyper	CHH	0.1067
Gm04	5436832	5437823	Gmdrm	hyper	CHH	0.0175
Gm04	5439098	5439723	Gmdrm	hyper	CHH	0.0271
Gm04	5509014	5509971	Gmdrm	hyper	CHH	0.0292
Gm04	5524859	5525668	Gmdrm	hyper	CHH	0.02
Gm04	5552660	5553639	Gmdrm	hyper	CHH	0.023
Gm04	5577732	5578710	Gmdrm	hyper	CHH	0.0163
Gm04	5629573	5629919	Gmdrm	hyper	CHH	0.0345
Gm04	5632129	5632982	Gmdrm	hyper	CHH	0.0385
Gm04	5667874	5668873	Gmdrm	hyper	CHH	0.0264
Gm04	5701463	5702455	Gmdrm	hyper	CHH	0.0267
Gm04	5780567	5781556	Gmdrm	hyper	CHH	0.0134
Gm04	5797350	5797820	Gmdrm	hyper	CHH	0.0226
Gm04	5846594	5847594	Gmdrm	hyper	CHH	0.0197
Gm04	5904980	5905074	Gmdrm	hyper	CHH	0.048
Gm04	5911375	5912271	Gmdrm	hyper	CHH	0.0195
Gm04	5917864	5918844	Gmdrm	hyper	CHH	0.0464
Gm04	5923257	5924213	Gmdrm	hyper	CHH	0.0223
Gm04	5970406	5971392	Gmdrm	hyper	CHH	0.0486
Gm04	5977829	5978829	Gmdrm	hyper	CHH	0.0624
Gm04	6005333	6005970	Gmdrm	hyper	CHH	0.0232
Gm04	6066276	6067232	Gmdrm	hyper	CHH	0.0109
Gm04	6084904	6085592	Gmdrm	hyper	CHH	0.0209
Gm04	6096081	6096251	Gmdrm	hyper	CHH	0.122
Gm04	6180526	6181133	Gmdrm	hyper	CHH	0.0427
Gm04	6202371	6203371	Gmdrm	hyper	CHH	0.0345
Gm04	6225656	6226656	Gmdrm	hyper	CHH	0.0093
Gm04	6234829	6235825	Gmdrm	hyper	CHH	0.0225
Gm04	6260037	6261022	Gmdrm	hyper	CHH	0.0169
Gm04	6399411	6400014	Gmdrm	hyper	CHH	0.0326
Gm04	6421406	6422390	Gmdrm	hyper	CHH	0.0216
Gm04	6486852	6487830	Gmdrm	hyper	CHH	0.01
Gm04	6507147	6507902	Gmdrm	hyper	CHH	0.0324
Gm04	6520309	6520926	Gmdrm	hyper	CHH	0.0438
Gm04	6545624	6546613	Gmdrm	hyper	CHH	0.0141
Gm04	6550187	6550727	Gmdrm	hyper	CHH	0.0472
Gm04	6558136	6558564	Gmdrm	hyper	CHH	0.0523
Gm04	6633198	6633296	Gmdrm	hyper	CHH	0.07
Gm04	6639451	6639574	Gmdrm	hyper	CHH	0.0717
Gm04	6661663	6662081	Gmdrm	hyper	CHH	0.0242
Gm04	6677507	6678486	Gmdrm	hyper	CHH	0.0856
Gm04	6751406	6752233	Gmdrm	hyper	CHH	0.0443
Gm04	6761084	6761693	Gmdrm	hyper	CHH	0.0224
Gm04	6772420	6773320	Gmdrm	hyper	CHH	0.0364

Gm04	6831438	6832396	Gmdrm	hyper	CHH	0.0176
Gm04	6863498	6864490	Gmdrm	hyper	CHH	0.0149
Gm04	6875393	6876388	Gmdrm	hyper	CHH	0.0162
Gm04	6899278	6900263	Gmdrm	hyper	CHH	0.0256
Gm04	6905045	6906015	Gmdrm	hyper	CHH	0.0113
Gm04	6919355	6920347	Gmdrm	hyper	CHH	0.0109
Gm04	6931402	6932374	Gmdrm	hyper	CHH	0.0195
Gm04	7015460	7016440	Gmdrm	hyper	CHH	0.0159
Gm04	7033739	7034453	Gmdrm	hyper	CHH	0.0185
Gm04	7043394	7044393	Gmdrm	hyper	CHH	0.0287
Gm04	7058847	7059837	Gmdrm	hyper	CHH	0.0233
Gm04	7071222	7072206	Gmdrm	hyper	CHH	0.0167
Gm04	7099410	7100354	Gmdrm	hyper	CHH	0.0206
Gm04	7100418	7101395	Gmdrm	hyper	CHH	0.0153
Gm04	7147836	7148794	Gmdrm	hyper	CHH	0.011
Gm04	7150502	7151486	Gmdrm	hyper	CHH	0.0473
Gm04	7165551	7166529	Gmdrm	hyper	CHH	0.0156
Gm04	7178642	7178764	Gmdrm	hyper	CHH	0.086
Gm04	7241732	7242706	Gmdrm	hyper	CHH	0.011
Gm04	7260344	7261344	Gmdrm	hyper	CHH	0.0405
Gm04	7382368	7383368	Gmdrm	hyper	CHH	0.0146
Gm04	7413262	7414260	Gmdrm	hyper	CHH	0.02
Gm04	7422914	7423913	Gmdrm	hyper	CHH	0.0165
Gm04	7429346	7429764	Gmdrm	hyper	CHH	0.0215
Gm04	7446075	7446319	Gmdrm	hyper	CHH	0.0425
Gm04	7449662	7450005	Gmdrm	hyper	CHH	0.0375
Gm04	7463466	7463630	Gmdrm	hyper	CHH	0.026
Gm04	7517529	7518082	Gmdrm	hyper	CHH	0.0282
Gm04	7524391	7524497	Gmdrm	hyper	CHH	0.052
Gm04	7524598	7525580	Gmdrm	hyper	CHH	0.0118
Gm04	7527955	7528091	Gmdrm	hyper	CHH	0.075
Gm04	7720235	7721233	Gmdrm	hyper	CHH	0.0209
Gm04	7724318	7725261	Gmdrm	hyper	CHH	0.0234
Gm04	7764500	7765492	Gmdrm	hyper	CHH	0.0175
Gm04	7908449	7909205	Gmdrm	hyper	CHH	0.0246
Gm04	7943185	7943393	Gmdrm	hyper	CHH	0.0391
Gm04	8005693	8005971	Gmdrm	hyper	CHH	0.036
Gm04	8012639	8013607	Gmdrm	hyper	CHH	0.0193
Gm04	8035840	8036839	Gmdrm	hyper	CHH	0.0164
Gm04	8046981	8047960	Gmdrm	hyper	CHH	0.0517
Gm04	8079345	8080330	Gmdrm	hyper	CHH	0.0187
Gm04	8142635	8142779	Gmdrm	hyper	CHH	0.124
Gm04	8201807	8202026	Gmdrm	hyper	CHH	0.0736
Gm04	8365551	8366518	Gmdrm	hyper	CHH	0.0436
Gm04	8372550	8373545	Gmdrm	hyper	CHH	0.0385
Gm04	8373556	8374555	Gmdrm	hyper	CHH	0.0383

Gm04	8408060	8409058	Gmdrm	hyper	CHH	0.0323
Gm04	8442774	8443755	Gmdrm	hyper	CHH	0.0189
Gm04	8501317	8501772	Gmdrm	hyper	CHH	0.0173
Gm04	8526825	8527192	Gmdrm	hyper	CHH	0.0348
Gm04	8530970	8531062	Gmdrm	hyper	CHH	0.0366
Gm04	8582039	8582751	Gmdrm	hyper	CHH	0.0347
Gm04	8677789	8678583	Gmdrm	hyper	CHH	0.017
Gm04	8695134	8696114	Gmdrm	hyper	CHH	0.0249
Gm04	8699090	8699164	Gmdrm	hyper	CHH	0.116
Gm04	8759884	8760718	Gmdrm	hyper	CHH	0.0205
Gm04	8839521	8840511	Gmdrm	hyper	CHH	0.0261
Gm04	8868371	8869203	Gmdrm	hyper	CHH	0.0157
Gm04	8898860	8898959	Gmdrm	hyper	CHH	0.0478
Gm04	8923345	8923828	Gmdrm	hyper	CHH	0.0365
Gm04	8964148	8964487	Gmdrm	hyper	CHH	0.0236
Gm04	9078531	9079518	Gmdrm	hyper	CHH	0.027
Gm04	9093079	9093384	Gmdrm	hyper	CHH	0.0378
Gm04	9215644	9216062	Gmdrm	hyper	CHH	0.0459
Gm04	9235126	9236117	Gmdrm	hyper	CHH	0.0162
Gm04	9242268	9243205	Gmdrm	hyper	CHH	0.0131
Gm04	9346438	9347141	Gmdrm	hyper	CHH	0.0353
Gm04	9420571	9421089	Gmdrm	hyper	CHH	0.0194
Gm04	9473534	9474478	Gmdrm	hyper	CHH	0.0231
Gm04	9540143	9540435	Gmdrm	hyper	CHH	0.0463
Gm04	9590731	9591724	Gmdrm	hyper	CHH	0.0212
Gm04	9725402	9726050	Gmdrm	hyper	CHH	0.0485
Gm04	9754174	9754354	Gmdrm	hyper	CHH	0.1379
Gm04	9870798	9870914	Gmdrm	hyper	CHH	0.0325
Gm04	10007988	10008987	Gmdrm	hyper	CHH	0.0405
Gm04	10035709	10036704	Gmdrm	hyper	CHH	0.0169
Gm04	10042801	10043801	Gmdrm	hyper	CHH	0.0223
Gm04	10044831	10045831	Gmdrm	hyper	CHH	0.0249
Gm04	10058631	10058990	Gmdrm	hyper	CHH	0.0613
Gm04	10141807	10142796	Gmdrm	hyper	CHH	0.0157
Gm04	10188887	10189878	Gmdrm	hyper	CHH	0.0541
Gm04	10194532	10195523	Gmdrm	hyper	CHH	0.0324
Gm04	10289130	10289231	Gmdrm	hyper	CHH	0.09
Gm04	10293397	10294391	Gmdrm	hyper	CHH	0.0451
Gm04	10340608	10341286	Gmdrm	hyper	CHH	0.0898
Gm04	10472115	10473011	Gmdrm	hyper	CHH	0.0675
Gm04	10707105	10708105	Gmdrm	hyper	CHH	0.0316
Gm04	10708107	10709104	Gmdrm	hyper	CHH	0.0414
Gm04	10852763	10853747	Gmdrm	hyper	CHH	0.0265
Gm04	10858541	10859537	Gmdrm	hyper	CHH	0.0194
Gm04	10899915	10900581	Gmdrm	hyper	CHH	0.0328
Gm04	10915637	10915669	Gmdrm	hyper	CHH	0.215

Gm04	10928099	10929090	Gmdrm	hyper	CHH	0.0362
Gm04	10953829	10954828	Gmdrm	hyper	CHH	0.0432
Gm04	11121908	11122024	Gmdrm	hyper	CHH	0.1063
Gm04	11134483	11135405	Gmdrm	hyper	CHH	0.0182
Gm04	11184951	11185921	Gmdrm	hyper	CHH	0.024
Gm04	11204197	11205146	Gmdrm	hyper	CHH	0.0178
Gm04	11273547	11273752	Gmdrm	hyper	CHH	0.1112
Gm04	11285943	11286938	Gmdrm	hyper	CHH	0.0579
Gm04	11359014	11359961	Gmdrm	hyper	CHH	0.0125
Gm04	11384369	11385362	Gmdrm	hyper	CHH	0.0229
Gm04	11385378	11386359	Gmdrm	hyper	CHH	0.0256
Gm04	11443152	11444148	Gmdrm	hyper	CHH	0.0267
Gm04	11448655	11449571	Gmdrm	hyper	CHH	0.03
Gm04	11707782	11708778	Gmdrm	hyper	CHH	0.0183
Gm04	11829482	11829650	Gmdrm	hyper	CHH	0.0792
Gm04	11861546	11862130	Gmdrm	hyper	CHH	0.08
Gm04	11889938	11890938	Gmdrm	hyper	CHH	0.0512
Gm04	11890944	11891940	Gmdrm	hyper	CHH	0.0687
Gm04	11925668	11926661	Gmdrm	hyper	CHH	0.0396
Gm04	11966179	11966623	Gmdrm	hyper	CHH	0.0275
Gm04	12081383	12082379	Gmdrm	hyper	CHH	0.0206
Gm04	12245433	12245673	Gmdrm	hyper	CHH	0.0531
Gm04	12392090	12393085	Gmdrm	hyper	CHH	0.0248
Gm04	12631511	12632505	Gmdrm	hyper	CHH	0.0337
Gm04	12632512	12633496	Gmdrm	hyper	CHH	0.026
Gm04	12643827	12644822	Gmdrm	hyper	CHH	0.0581
Gm04	12841343	12842311	Gmdrm	hyper	CHH	0.0113
Gm04	12990582	12991557	Gmdrm	hyper	CHH	0.0224
Gm04	13020447	13021444	Gmdrm	hyper	CHH	0.0326
Gm04	13089953	13090875	Gmdrm	hyper	CHH	0.0563
Gm04	13167889	13168883	Gmdrm	hyper	CHH	0.0237
Gm04	13353977	13354948	Gmdrm	hyper	CHH	0.041
Gm04	13418407	13419163	Gmdrm	hyper	CHH	0.064
Gm04	13493473	13493808	Gmdrm	hyper	CHH	0.0774
Gm04	13627618	13628618	Gmdrm	hyper	CHH	0.0583
Gm04	13673872	13674872	Gmdrm	hyper	CHH	0.064
Gm04	13788739	13789735	Gmdrm	hyper	CHH	0.0632
Gm04	13839880	13840879	Gmdrm	hyper	CHH	0.0128
Gm04	13988933	13989927	Gmdrm	hyper	CHH	0.041
Gm04	14050408	14050486	Gmdrm	hyper	CHH	0.1283
Gm04	14232094	14232112	Gmdrm	hyper	CHH	0.2667
Gm04	14340258	14341210	Gmdrm	hyper	CHH	0.0184
Gm04	14343447	14344436	Gmdrm	hyper	CHH	0.0211
Gm04	14455242	14456232	Gmdrm	hyper	CHH	0.0094
Gm04	14488380	14489316	Gmdrm	hyper	CHH	0.0707
Gm04	14521911	14522873	Gmdrm	hyper	CHH	0.0472

Gm04	14538149	14539120	Gmdrm	hyper	CHH	0.0469
Gm04	14546257	14546814	Gmdrm	hyper	CHH	0.0916
Gm04	14632608	14633607	Gmdrm	hyper	CHH	0.0794
Gm04	14733880	14734865	Gmdrm	hyper	CHH	0.0116
Gm04	14866082	14867080	Gmdrm	hyper	CHH	0.0581
Gm04	14867087	14868082	Gmdrm	hyper	CHH	0.045
Gm04	14868092	14869088	Gmdrm	hyper	CHH	0.0586
Gm04	14869097	14869618	Gmdrm	hyper	CHH	0.1125
Gm04	14869746	14870531	Gmdrm	hyper	CHH	0.0786
Gm04	14874345	14875335	Gmdrm	hyper	CHH	0.0224
Gm04	15112476	15113453	Gmdrm	hyper	CHH	0.0271
Gm04	15120546	15121546	Gmdrm	hyper	CHH	0.1105
Gm04	15121547	15122536	Gmdrm	hyper	CHH	0.0743
Gm04	15383497	15383696	Gmdrm	hyper	CHH	0.0377
Gm04	15430132	15431129	Gmdrm	hyper	CHH	0.019
Gm04	15444174	15445173	Gmdrm	hyper	CHH	0.0367
Gm04	15510502	15511486	Gmdrm	hyper	CHH	0.0292
Gm04	15690453	15691451	Gmdrm	hyper	CHH	0.0389
Gm04	15725542	15725652	Gmdrm	hyper	CHH	0.296
Gm04	15811562	15812562	Gmdrm	hyper	CHH	0.0529
Gm04	15952791	15953760	Gmdrm	hyper	CHH	0.0217
Gm04	16034526	16035523	Gmdrm	hyper	CHH	0.0504
Gm04	16149133	16150059	Gmdrm	hyper	CHH	0.0129
Gm04	16430418	16431366	Gmdrm	hyper	CHH	0.0391
Gm04	16466977	16467976	Gmdrm	hyper	CHH	0.0402
Gm04	16912122	16912355	Gmdrm	hyper	CHH	0.0325
Gm04	16979213	16980207	Gmdrm	hyper	CHH	0.0211
Gm04	17057861	17058843	Gmdrm	hyper	CHH	0.023
Gm04	17159187	17159212	Gmdrm	hyper	CHH	0.1829
Gm04	17175842	17176008	Gmdrm	hyper	CHH	0.1052
Gm04	17202436	17203433	Gmdrm	hyper	CHH	0.0319
Gm04	17274134	17275115	Gmdrm	hyper	CHH	0.0164
Gm04	17290462	17291456	Gmdrm	hyper	CHH	0.0489
Gm04	17439519	17439864	Gmdrm	hyper	CHH	0.0505
Gm04	17636105	17636738	Gmdrm	hyper	CHH	0.0372
Gm04	17823681	17824680	Gmdrm	hyper	CHH	0.0444
Gm04	17861227	17862227	Gmdrm	hyper	CHH	0.073
Gm04	18014156	18015151	Gmdrm	hyper	CHH	0.0521
Gm04	18115740	18116732	Gmdrm	hyper	CHH	0.042
Gm04	18126865	18127862	Gmdrm	hyper	CHH	0.0326
Gm04	18156648	18157638	Gmdrm	hyper	CHH	0.0729
Gm04	18231686	18232685	Gmdrm	hyper	CHH	0.0147
Gm04	18265824	18266817	Gmdrm	hyper	CHH	0.0137
Gm04	18458180	18459177	Gmdrm	hyper	CHH	0.0226
Gm04	18686310	18687301	Gmdrm	hyper	CHH	0.0559
Gm04	18885743	18886740	Gmdrm	hyper	CHH	0.039

Gm04	18894757	18895751	Gmdrm	hyper	CHH	0.0796
Gm04	18951216	18951291	Gmdrm	hyper	CHH	0.0967
Gm04	18966519	18967510	Gmdrm	hyper	CHH	0.0179
Gm04	19015572	19016552	Gmdrm	hyper	CHH	0.0299
Gm04	19053032	19054021	Gmdrm	hyper	CHH	0.0859
Gm04	19256690	19257645	Gmdrm	hyper	CHH	0.0381
Gm04	19335674	19336626	Gmdrm	hyper	CHH	0.0495
Gm04	19373898	19374897	Gmdrm	hyper	CHH	0.0257
Gm04	19438525	19439188	Gmdrm	hyper	CHH	0.0649
Gm04	19539314	19540301	Gmdrm	hyper	CHH	0.0229
Gm04	19634118	19634538	Gmdrm	hyper	CHH	0.055
Gm04	19800553	19801548	Gmdrm	hyper	CHH	0.0723
Gm04	19827169	19827858	Gmdrm	hyper	CHH	0.0691
Gm04	19877301	19878102	Gmdrm	hyper	CHH	0.1025
Gm04	19920011	19921009	Gmdrm	hyper	CHH	0.0402
Gm04	19922018	19923015	Gmdrm	hyper	CHH	0.0317
Gm04	19924044	19925044	Gmdrm	hyper	CHH	0.0384
Gm04	20013792	20014788	Gmdrm	hyper	CHH	0.043
Gm04	20029285	20029394	Gmdrm	hyper	CHH	0.1343
Gm04	20122846	20123843	Gmdrm	hyper	CHH	0.0591
Gm04	20170432	20171430	Gmdrm	hyper	CHH	0.0469
Gm04	20172440	20173437	Gmdrm	hyper	CHH	0.045
Gm04	20195159	20196149	Gmdrm	hyper	CHH	0.0286
Gm04	20435290	20436289	Gmdrm	hyper	CHH	0.0392
Gm04	21365168	21365215	Gmdrm	hyper	CHH	0.378
Gm04	21469545	21470536	Gmdrm	hyper	CHH	0.1031
Gm04	21640201	21640257	Gmdrm	hyper	CHH	0.18
Gm04	21645781	21646020	Gmdrm	hyper	CHH	0.1444
Gm04	21848672	21849475	Gmdrm	hyper	CHH	0.0297
Gm04	21855274	21855696	Gmdrm	hyper	CHH	0.1061
Gm04	21918504	21918561	Gmdrm	hyper	CHH	0.152
Gm04	22131036	22131989	Gmdrm	hyper	CHH	0.0617
Gm04	22151169	22151278	Gmdrm	hyper	CHH	0.1717
Gm04	22168596	22169130	Gmdrm	hyper	CHH	0.12
Gm04	22180238	22181215	Gmdrm	hyper	CHH	0.0556
Gm04	22204346	22205006	Gmdrm	hyper	CHH	0.0685
Gm04	22273050	22273132	Gmdrm	hyper	CHH	0.1489
Gm04	22453954	22454948	Gmdrm	hyper	CHH	0.0671
Gm04	22482535	22483529	Gmdrm	hyper	CHH	0.0316
Gm04	22485797	22486464	Gmdrm	hyper	CHH	0.0131
Gm04	22689601	22690601	Gmdrm	hyper	CHH	0.032
Gm04	22803926	22804918	Gmdrm	hyper	CHH	0.037
Gm04	22804928	22805925	Gmdrm	hyper	CHH	0.0685
Gm04	22841876	22842701	Gmdrm	hyper	CHH	0.0135
Gm04	22919162	22920135	Gmdrm	hyper	CHH	0.0203
Gm04	22994910	22994995	Gmdrm	hyper	CHH	0.2569

Gm04	23171892	23172615	Gmdrm	hyper	CHH	0.0621
Gm04	23398250	23399199	Gmdrm	hyper	CHH	0.0189
Gm04	23450381	23450451	Gmdrm	hyper	CHH	0.2775
Gm04	23470756	23470933	Gmdrm	hyper	CHH	0.112
Gm04	23521319	23522316	Gmdrm	hyper	CHH	0.0489
Gm04	23532918	23533909	Gmdrm	hyper	CHH	0.048
Gm04	23664130	23665128	Gmdrm	hyper	CHH	0.0633
Gm04	23820492	23821488	Gmdrm	hyper	CHH	0.0464
Gm04	23999762	24000744	Gmdrm	hyper	CHH	0.0261
Gm04	24430485	24431082	Gmdrm	hyper	CHH	0.1014
Gm04	24584459	24584581	Gmdrm	hyper	CHH	0.25
Gm04	24653255	24654245	Gmdrm	hyper	CHH	0.0382
Gm04	24699997	24700997	Gmdrm	hyper	CHH	0.03
Gm04	24844192	24844436	Gmdrm	hyper	CHH	0.1155
Gm04	24860326	24861310	Gmdrm	hyper	CHH	0.0563
Gm04	25025524	25026252	Gmdrm	hyper	CHH	0.1015
Gm04	25080390	25080604	Gmdrm	hyper	CHH	0.1664
Gm04	25251191	25252158	Gmdrm	hyper	CHH	0.0192
Gm04	25448870	25448957	Gmdrm	hyper	CHH	0.0386
Gm04	25453432	25454426	Gmdrm	hyper	CHH	0.0376
Gm04	25722010	25723006	Gmdrm	hyper	CHH	0.0186
Gm04	25958667	25958802	Gmdrm	hyper	CHH	0.0677
Gm04	26028038	26029038	Gmdrm	hyper	CHH	0.0842
Gm04	26104914	26105207	Gmdrm	hyper	CHH	0.09
Gm04	26317075	26317302	Gmdrm	hyper	CHH	0.108
Gm04	26465907	26466906	Gmdrm	hyper	CHH	0.0575
Gm04	26581508	26582502	Gmdrm	hyper	CHH	0.0141
Gm04	26885167	26885493	Gmdrm	hyper	CHH	0.0589
Gm04	26983724	26984354	Gmdrm	hyper	CHH	0.0464
Gm04	27044845	27045835	Gmdrm	hyper	CHH	0.0484
Gm04	27066977	27067975	Gmdrm	hyper	CHH	0.032
Gm04	27081515	27082514	Gmdrm	hyper	CHH	0.0472
Gm04	27082519	27083517	Gmdrm	hyper	CHH	0.0327
Gm04	27083520	27084513	Gmdrm	hyper	CHH	0.0371
Gm04	27091217	27092213	Gmdrm	hyper	CHH	0.0835
Gm04	27597431	27597539	Gmdrm	hyper	CHH	0.2855
Gm04	27689116	27689612	Gmdrm	hyper	CHH	0.0781
Gm04	27694283	27695243	Gmdrm	hyper	CHH	0.0539
Gm04	27832406	27833394	Gmdrm	hyper	CHH	0.0501
Gm04	27833417	27834083	Gmdrm	hyper	CHH	0.088
Gm04	28496337	28497000	Gmdrm	hyper	CHH	0.0581
Gm04	28540404	28540989	Gmdrm	hyper	CHH	0.0699
Gm04	28620717	28621714	Gmdrm	hyper	CHH	0.0621
Gm04	28658087	28658155	Gmdrm	hyper	CHH	0.2263
Gm04	28774818	28775786	Gmdrm	hyper	CHH	0.0611
Gm04	28938205	28938503	Gmdrm	hyper	CHH	0.1415

Gm04	28961122	28961200	Gmdrm	hyper	CHH	0.2633
Gm04	28999280	29000256	Gmdrm	hyper	CHH	0.0365
Gm04	29002646	29002830	Gmdrm	hyper	CHH	0.021
Gm04	29002931	29003868	Gmdrm	hyper	CHH	0.0172
Gm04	29092246	29092642	Gmdrm	hyper	CHH	0.0433
Gm04	29365612	29366108	Gmdrm	hyper	CHH	0.1144
Gm04	29368634	29368708	Gmdrm	hyper	CHH	0.188
Gm04	29632868	29633853	Gmdrm	hyper	CHH	0.0307
Gm04	29661966	29662944	Gmdrm	hyper	CHH	0.0544
Gm04	29705031	29706028	Gmdrm	hyper	CHH	0.0525
Gm04	29898498	29899498	Gmdrm	hyper	CHH	0.056
Gm04	29947852	29947954	Gmdrm	hyper	CHH	0.0643
Gm04	29974966	29975966	Gmdrm	hyper	CHH	0.0369
Gm04	30079502	30079696	Gmdrm	hyper	CHH	0.126
Gm04	30519391	30520247	Gmdrm	hyper	CHH	0.0367
Gm04	30550303	30551300	Gmdrm	hyper	CHH	0.0738
Gm04	30627201	30628191	Gmdrm	hyper	CHH	0.1043
Gm04	30690796	30691354	Gmdrm	hyper	CHH	0.0897
Gm04	30893538	30893714	Gmdrm	hyper	CHH	0.1374
Gm04	30930956	30931293	Gmdrm	hyper	CHH	0.1575
Gm04	30964893	30965858	Gmdrm	hyper	CHH	0.0439
Gm04	31037837	31038832	Gmdrm	hyper	CHH	0.0768
Gm04	31148657	31148836	Gmdrm	hyper	CHH	0.0907
Gm04	31233994	31234992	Gmdrm	hyper	CHH	0.0185
Gm04	31276963	31277949	Gmdrm	hyper	CHH	0.0579
Gm04	31301085	31301824	Gmdrm	hyper	CHH	0.0617
Gm04	31585092	31585952	Gmdrm	hyper	CHH	0.0892
Gm04	31591367	31592363	Gmdrm	hyper	CHH	0.0256
Gm04	31605503	31606481	Gmdrm	hyper	CHH	0.0649
Gm04	31864604	31865603	Gmdrm	hyper	CHH	0.038
Gm04	31932890	31932929	Gmdrm	hyper	CHH	0.064
Gm04	31938219	31939203	Gmdrm	hyper	CHH	0.0179
Gm04	32230030	32230558	Gmdrm	hyper	CHH	0.0992
Gm04	32300997	32301997	Gmdrm	hyper	CHH	0.0692
Gm04	32334894	32335700	Gmdrm	hyper	CHH	0.0747
Gm04	32341384	32341578	Gmdrm	hyper	CHH	0.1793
Gm04	32359087	32359187	Gmdrm	hyper	CHH	0.1566
Gm04	32419220	32420219	Gmdrm	hyper	CHH	0.0098
Gm04	32447456	32448456	Gmdrm	hyper	CHH	0.0224
Gm04	32588399	32589319	Gmdrm	hyper	CHH	0.0238
Gm04	32743471	32743997	Gmdrm	hyper	CHH	0.0966
Gm04	32825066	32825206	Gmdrm	hyper	CHH	0.1
Gm04	32828545	32829538	Gmdrm	hyper	CHH	0.0437
Gm04	32845052	32845359	Gmdrm	hyper	CHH	0.0462
Gm04	32920694	32920974	Gmdrm	hyper	CHH	0.0826
Gm04	32937503	32937596	Gmdrm	hyper	CHH	0.1643

Gm04	32943829	32944822	Gmdrm	hyper	CHH	0.0599
Gm04	33028986	33028995	Gmdrm	hyper	CHH	0.298
Gm04	33242575	33242709	Gmdrm	hyper	CHH	0.2109
Gm04	33459439	33460426	Gmdrm	hyper	CHH	0.0212
Gm04	33579197	33580195	Gmdrm	hyper	CHH	0.0482
Gm04	33779909	33780904	Gmdrm	hyper	CHH	0.0433
Gm04	33834403	33834848	Gmdrm	hyper	CHH	0.0804
Gm04	33876006	33876997	Gmdrm	hyper	CHH	0.0552
Gm04	34082170	34083149	Gmdrm	hyper	CHH	0.0278
Gm04	34108890	34109888	Gmdrm	hyper	CHH	0.017
Gm04	34209443	34210439	Gmdrm	hyper	CHH	0.0549
Gm04	34478459	34478624	Gmdrm	hyper	CHH	0.13
Gm04	34537051	34538045	Gmdrm	hyper	CHH	0.0504
Gm04	34772628	34773620	Gmdrm	hyper	CHH	0.0421
Gm04	34796013	34796081	Gmdrm	hyper	CHH	0.19
Gm04	34837501	34838205	Gmdrm	hyper	CHH	0.0558
Gm04	34946308	34947304	Gmdrm	hyper	CHH	0.0465
Gm04	35009705	35010702	Gmdrm	hyper	CHH	0.0434
Gm04	35235526	35236524	Gmdrm	hyper	CHH	0.0876
Gm04	35251915	35252915	Gmdrm	hyper	CHH	0.0267
Gm04	35337373	35338369	Gmdrm	hyper	CHH	0.0451
Gm04	35379017	35380009	Gmdrm	hyper	CHH	0.0612
Gm04	35488015	35488399	Gmdrm	hyper	CHH	0.1038
Gm04	35678558	35679536	Gmdrm	hyper	CHH	0.0762
Gm04	35987194	35988152	Gmdrm	hyper	CHH	0.0574
Gm04	36038341	36038625	Gmdrm	hyper	CHH	0.0942
Gm04	36207356	36208346	Gmdrm	hyper	CHH	0.0642
Gm04	36469197	36470197	Gmdrm	hyper	CHH	0.0622
Gm04	36500923	36501028	Gmdrm	hyper	CHH	0.1779
Gm04	36546844	36547836	Gmdrm	hyper	CHH	0.0394
Gm04	36616833	36617211	Gmdrm	hyper	CHH	0.0943
Gm04	36655950	36656946	Gmdrm	hyper	CHH	0.0484
Gm04	36686501	36687497	Gmdrm	hyper	CHH	0.0395
Gm04	36981606	36982606	Gmdrm	hyper	CHH	0.0515
Gm04	37020692	37021687	Gmdrm	hyper	CHH	0.0439
Gm04	37105071	37105765	Gmdrm	hyper	CHH	0.0445
Gm04	37126224	37126373	Gmdrm	hyper	CHH	0.2266
Gm04	37184739	37185731	Gmdrm	hyper	CHH	0.0515
Gm04	37481292	37482290	Gmdrm	hyper	CHH	0.0464
Gm04	37501254	37502251	Gmdrm	hyper	CHH	0.04
Gm04	37525703	37526703	Gmdrm	hyper	CHH	0.0598
Gm04	37610466	37611455	Gmdrm	hyper	CHH	0.0636
Gm04	37846678	37847673	Gmdrm	hyper	CHH	0.0183
Gm04	37884270	37885268	Gmdrm	hyper	CHH	0.0375
Gm04	38090152	38090373	Gmdrm	hyper	CHH	0.1176
Gm04	38132397	38132826	Gmdrm	hyper	CHH	0.0341

Gm04	38199399	38200398	Gmdrm	hyper	CHH	0.0328
Gm04	38299741	38300737	Gmdrm	hyper	CHH	0.0402
Gm04	38300745	38301730	Gmdrm	hyper	CHH	0.0377
Gm04	38418542	38419533	Gmdrm	hyper	CHH	0.0154
Gm04	38422882	38423832	Gmdrm	hyper	CHH	0.03
Gm04	38429265	38430231	Gmdrm	hyper	CHH	0.0116
Gm04	38458728	38459728	Gmdrm	hyper	CHH	0.0428
Gm04	38554680	38555670	Gmdrm	hyper	CHH	0.0457
Gm04	38667837	38668835	Gmdrm	hyper	CHH	0.0125
Gm04	38685970	38686148	Gmdrm	hyper	CHH	0.0386
Gm04	38726627	38727626	Gmdrm	hyper	CHH	0.0248
Gm04	38766078	38767054	Gmdrm	hyper	CHH	0.0225
Gm04	38832264	38833248	Gmdrm	hyper	CHH	0.0269
Gm04	38861879	38862876	Gmdrm	hyper	CHH	0.0204
Gm04	39019982	39020981	Gmdrm	hyper	CHH	0.0589
Gm04	39044399	39044495	Gmdrm	hyper	CHH	0.108
Gm04	39110577	39111569	Gmdrm	hyper	CHH	0.0172
Gm04	39269518	39269618	Gmdrm	hyper	CHH	0.0437
Gm04	39372232	39373200	Gmdrm	hyper	CHH	0.058
Gm04	39417494	39417909	Gmdrm	hyper	CHH	0.0959
Gm04	39424380	39425352	Gmdrm	hyper	CHH	0.0229
Gm04	39428347	39428508	Gmdrm	hyper	CHH	0.04
Gm04	39513350	39514326	Gmdrm	hyper	CHH	0.0139
Gm04	39537004	39537984	Gmdrm	hyper	CHH	0.0664
Gm04	39633732	39634732	Gmdrm	hyper	CHH	0.0353
Gm04	39648833	39649833	Gmdrm	hyper	CHH	0.0311
Gm04	39657670	39657956	Gmdrm	hyper	CHH	0.0512
Gm04	39909295	39910281	Gmdrm	hyper	CHH	0.0482
Gm04	40007548	40008544	Gmdrm	hyper	CHH	0.0381
Gm04	40008550	40009524	Gmdrm	hyper	CHH	0.0549
Gm04	40009968	40010964	Gmdrm	hyper	CHH	0.0638
Gm04	40119204	40119467	Gmdrm	hyper	CHH	0.11
Gm04	40273911	40274909	Gmdrm	hyper	CHH	0.0179
Gm04	40399733	40400732	Gmdrm	hyper	CHH	0.0542
Gm04	40400735	40401733	Gmdrm	hyper	CHH	0.0516
Gm04	40411974	40412641	Gmdrm	hyper	CHH	0.0224
Gm04	40616495	40616651	Gmdrm	hyper	CHH	0.1243
Gm04	40645326	40645377	Gmdrm	hyper	CHH	0.2423
Gm04	40662615	40663608	Gmdrm	hyper	CHH	0.0215
Gm04	40713839	40714839	Gmdrm	hyper	CHH	0.0123
Gm04	40831657	40832657	Gmdrm	hyper	CHH	0.0214
Gm04	40902384	40903379	Gmdrm	hyper	CHH	0.0184
Gm04	40947959	40948938	Gmdrm	hyper	CHH	0.0223
Gm04	40985579	40986578	Gmdrm	hyper	CHH	0.0712
Gm04	41068711	41069225	Gmdrm	hyper	CHH	0.0229
Gm04	41076270	41077264	Gmdrm	hyper	CHH	0.0124

Gm04	41115240	41115462	Gmdrm	hyper	CHH	0.0391
Gm04	41214279	41214986	Gmdrm	hyper	CHH	0.0135
Gm04	41252597	41253323	Gmdrm	hyper	CHH	0.0409
Gm04	41257211	41258199	Gmdrm	hyper	CHH	0.0538
Gm04	41311736	41312212	Gmdrm	hyper	CHH	0.0197
Gm04	41313142	41313391	Gmdrm	hyper	CHH	0.0342
Gm04	41323786	41324775	Gmdrm	hyper	CHH	0.062
Gm04	41636643	41637643	Gmdrm	hyper	CHH	0.0208
Gm04	41707060	41707642	Gmdrm	hyper	CHH	0.0239
Gm04	41743414	41744399	Gmdrm	hyper	CHH	0.0115
Gm04	41769630	41770614	Gmdrm	hyper	CHH	0.0205
Gm04	41784959	41785954	Gmdrm	hyper	CHH	0.0468
Gm04	41935128	41936124	Gmdrm	hyper	CHH	0.0543
Gm04	42070133	42071130	Gmdrm	hyper	CHH	0.0389
Gm04	42105043	42105808	Gmdrm	hyper	CHH	0.0361
Gm04	42234580	42235573	Gmdrm	hyper	CHH	0.0313
Gm04	42373930	42374927	Gmdrm	hyper	CHH	0.0188
Gm04	42477951	42478943	Gmdrm	hyper	CHH	0.0256
Gm04	42617546	42618540	Gmdrm	hyper	CHH	0.0146
Gm04	42813769	42814289	Gmdrm	hyper	CHH	0.0188
Gm04	43030463	43030757	Gmdrm	hyper	CHH	0.0682
Gm04	43078424	43079423	Gmdrm	hyper	CHH	0.0668
Gm04	43114811	43115794	Gmdrm	hyper	CHH	0.0118
Gm04	43115812	43116808	Gmdrm	hyper	CHH	0.0111
Gm04	43135704	43136679	Gmdrm	hyper	CHH	0.0331
Gm04	43274529	43275521	Gmdrm	hyper	CHH	0.0145
Gm04	43380187	43381186	Gmdrm	hyper	CHH	0.0333
Gm04	43633277	43634251	Gmdrm	hyper	CHH	0.0131
Gm04	43782824	43782935	Gmdrm	hyper	CHH	0.0908
Gm04	43838627	43839605	Gmdrm	hyper	CHH	0.0159
Gm04	43981599	43981759	Gmdrm	hyper	CHH	0.0236
Gm04	44012635	44013393	Gmdrm	hyper	CHH	0.0368
Gm04	44142373	44143373	Gmdrm	hyper	CHH	0.0106
Gm04	44152496	44153451	Gmdrm	hyper	CHH	0.016
Gm04	44156080	44157019	Gmdrm	hyper	CHH	0.0173
Gm04	44206678	44207673	Gmdrm	hyper	CHH	0.0134
Gm04	44250641	44251634	Gmdrm	hyper	CHH	0.0313
Gm04	44261371	44261925	Gmdrm	hyper	CHH	0.031
Gm04	44312816	44313812	Gmdrm	hyper	CHH	0.0147
Gm04	44335291	44336291	Gmdrm	hyper	CHH	0.0629
Gm04	44357510	44358509	Gmdrm	hyper	CHH	0.0959
Gm04	44439182	44440154	Gmdrm	hyper	CHH	0.0323
Gm04	44442961	44443042	Gmdrm	hyper	CHH	0.0383
Gm04	44457755	44458754	Gmdrm	hyper	CHH	0.0173
Gm04	44475138	44476123	Gmdrm	hyper	CHH	0.0183
Gm04	44490485	44490567	Gmdrm	hyper	CHH	0.0272

Gm04	44501069	44502066	Gmdrm	hyper	CHH	0.0227
Gm04	44526026	44526996	Gmdrm	hyper	CHH	0.0126
Gm04	44539202	44539996	Gmdrm	hyper	CHH	0.0154
Gm04	44563601	44564589	Gmdrm	hyper	CHH	0.0111
Gm04	44584792	44585342	Gmdrm	hyper	CHH	0.0172
Gm04	44611236	44611842	Gmdrm	hyper	CHH	0.0226
Gm04	44620409	44621393	Gmdrm	hyper	CHH	0.0123
Gm04	44758942	44759914	Gmdrm	hyper	CHH	0.0184
Gm04	44866752	44867742	Gmdrm	hyper	CHH	0.0208
Gm04	44917492	44918462	Gmdrm	hyper	CHH	0.019
Gm04	44919537	44920533	Gmdrm	hyper	CHH	0.0224
Gm04	45024597	45024706	Gmdrm	hyper	CHH	0.074
Gm04	45044328	45045311	Gmdrm	hyper	CHH	0.0584
Gm04	45061000	45061903	Gmdrm	hyper	CHH	0.0232
Gm04	45094848	45095154	Gmdrm	hyper	CHH	0.07
Gm04	45251176	45251659	Gmdrm	hyper	CHH	0.026
Gm04	45294262	45295261	Gmdrm	hyper	CHH	0.0136
Gm04	45305857	45306514	Gmdrm	hyper	CHH	0.0526
Gm04	45348557	45348755	Gmdrm	hyper	CHH	0.07
Gm04	45401199	45401426	Gmdrm	hyper	CHH	0.0216
Gm04	45468220	45469204	Gmdrm	hyper	CHH	0.0262
Gm04	45553954	45554951	Gmdrm	hyper	CHH	0.0159
Gm04	45566874	45567021	Gmdrm	hyper	CHH	0.036
Gm04	45665134	45665601	Gmdrm	hyper	CHH	0.0268
Gm04	45681816	45682811	Gmdrm	hyper	CHH	0.0324
Gm04	45779809	45780807	Gmdrm	hyper	CHH	0.0273
Gm04	45838907	45839152	Gmdrm	hyper	CHH	0.0664
Gm04	45850004	45851001	Gmdrm	hyper	CHH	0.0189
Gm04	45868562	45868967	Gmdrm	hyper	CHH	0.0744
Gm04	45888224	45889041	Gmdrm	hyper	CHH	0.0198
Gm04	45898614	45899613	Gmdrm	hyper	CHH	0.023
Gm04	45915592	45916586	Gmdrm	hyper	CHH	0.0209
Gm04	45932064	45933040	Gmdrm	hyper	CHH	0.0243
Gm04	45978217	45979207	Gmdrm	hyper	CHH	0.0193
Gm04	45981280	45981946	Gmdrm	hyper	CHH	0.0221
Gm04	46098346	46099340	Gmdrm	hyper	CHH	0.0171
Gm04	46167601	46168597	Gmdrm	hyper	CHH	0.0125
Gm04	46199040	46200038	Gmdrm	hyper	CHH	0.0122
Gm04	46224283	46225005	Gmdrm	hyper	CHH	0.0235
Gm04	46225840	46225912	Gmdrm	hyper	CHH	0.0633
Gm04	46245163	46245425	Gmdrm	hyper	CHH	0.0639
Gm04	46252651	46252789	Gmdrm	hyper	CHH	0.0667
Gm04	46344534	46345519	Gmdrm	hyper	CHH	0.0156
Gm04	46552506	46552690	Gmdrm	hyper	CHH	0.032
Gm04	46581792	46581846	Gmdrm	hyper	CHH	0.19
Gm04	46589341	46590312	Gmdrm	hyper	CHH	0.0203

Gm04	46593010	46594007	Gmdrm	hyper	CHH	0.0097
Gm04	46595041	46595085	Gmdrm	hyper	CHH	0.06
Gm04	46621360	46622314	Gmdrm	hyper	CHH	0.0141
Gm04	46654855	46655837	Gmdrm	hyper	CHH	0.0319
Gm04	46769575	46770575	Gmdrm	hyper	CHH	0.0294
Gm04	46809679	46810546	Gmdrm	hyper	CHH	0.0161
Gm04	46824223	46825218	Gmdrm	hyper	CHH	0.0387
Gm04	46830025	46830418	Gmdrm	hyper	CHH	0.0531
Gm04	46870186	46870250	Gmdrm	hyper	CHH	0.03
Gm04	46899669	46900250	Gmdrm	hyper	CHH	0.0149
Gm04	46906982	46907947	Gmdrm	hyper	CHH	0.0251
Gm04	46911247	46912200	Gmdrm	hyper	CHH	0.0233
Gm04	46987125	46988107	Gmdrm	hyper	CHH	0.0277
Gm04	47038140	47039136	Gmdrm	hyper	CHH	0.0182
Gm04	47105496	47106439	Gmdrm	hyper	CHH	0.0388
Gm04	47215757	47216737	Gmdrm	hyper	CHH	0.0289
Gm04	47221467	47222456	Gmdrm	hyper	CHH	0.0239
Gm04	47252547	47253526	Gmdrm	hyper	CHH	0.0119
Gm04	47398704	47399676	Gmdrm	hyper	CHH	0.0145
Gm04	47426418	47427400	Gmdrm	hyper	CHH	0.0237
Gm04	47433743	47433937	Gmdrm	hyper	CHH	0.0672
Gm04	47464214	47464305	Gmdrm	hyper	CHH	0.05
Gm04	47502034	47502305	Gmdrm	hyper	CHH	0.0205
Gm04	47509847	47509952	Gmdrm	hyper	CHH	0.072
Gm04	47518753	47519712	Gmdrm	hyper	CHH	0.0113
Gm04	47584005	47584991	Gmdrm	hyper	CHH	0.0235
Gm04	47608285	47608659	Gmdrm	hyper	CHH	0.0492
Gm04	47841481	47841935	Gmdrm	hyper	CHH	0.0183
Gm04	47961879	47962879	Gmdrm	hyper	CHH	0.0319
Gm04	47975267	47976249	Gmdrm	hyper	CHH	0.0389
Gm04	47987500	47988499	Gmdrm	hyper	CHH	0.0158
Gm04	47999181	48000175	Gmdrm	hyper	CHH	0.0235
Gm04	48091104	48092089	Gmdrm	hyper	CHH	0.029
Gm04	48115569	48116554	Gmdrm	hyper	CHH	0.0281
Gm04	48118021	48118071	Gmdrm	hyper	CHH	0.068
Gm04	48185993	48186993	Gmdrm	hyper	CHH	0.017
Gm04	48191778	48192722	Gmdrm	hyper	CHH	0.0143
Gm04	48195993	48196712	Gmdrm	hyper	CHH	0.0161
Gm04	48197877	48198873	Gmdrm	hyper	CHH	0.022
Gm04	48309857	48310838	Gmdrm	hyper	CHH	0.0432
Gm04	48346418	48346514	Gmdrm	hyper	CHH	0.114
Gm04	48353077	48354073	Gmdrm	hyper	CHH	0.0192
Gm04	48371166	48371756	Gmdrm	hyper	CHH	0.04
Gm04	48388976	48389970	Gmdrm	hyper	CHH	0.0249
Gm04	48418979	48419170	Gmdrm	hyper	CHH	0.0457
Gm04	48488119	48488871	Gmdrm	hyper	CHH	0.0189

Gm04	48554172	48555162	Gmdrm	hyper	CHH	0.017
Gm04	48606150	48607136	Gmdrm	hyper	CHH	0.0159
Gm04	48615856	48616749	Gmdrm	hyper	CHH	0.0153
Gm04	48649057	48649123	Gmdrm	hyper	CHH	0.048
Gm04	48654065	48655041	Gmdrm	hyper	CHH	0.0191
Gm04	48732104	48732632	Gmdrm	hyper	CHH	0.0643
Gm04	48791011	48791150	Gmdrm	hyper	CHH	0.024
Gm04	48792162	48793005	Gmdrm	hyper	CHH	0.0147
Gm04	48804220	48805042	Gmdrm	hyper	CHH	0.0136
Gm04	48820389	48821358	Gmdrm	hyper	CHH	0.0396
Gm04	48824423	48825412	Gmdrm	hyper	CHH	0.03
Gm04	48830901	48831882	Gmdrm	hyper	CHH	0.0316
Gm04	49051679	49052673	Gmdrm	hyper	CHH	0.0167
Gm04	49128809	49129807	Gmdrm	hyper	CHH	0.052
Gm04	49147085	49148062	Gmdrm	hyper	CHH	0.0176
Gm04	49191211	49192200	Gmdrm	hyper	CHH	0.0146
Gm04	49206296	49207296	Gmdrm	hyper	CHH	0.0146
Gm04	49305097	49305451	Gmdrm	hyper	CHH	0.0352
Gm04	49306591	49307148	Gmdrm	hyper	CHH	0.0197
Gm04	49346710	49347708	Gmdrm	hyper	CHH	0.0133
Gm04	49455782	49456781	Gmdrm	hyper	CHH	0.0158
Gm04	49457803	49458799	Gmdrm	hyper	CHH	0.0164
Gm04	49468784	49469780	Gmdrm	hyper	CHH	0.0106
Gm04	49530395	49531230	Gmdrm	hyper	CHH	0.0223
Gm04	49533049	49534048	Gmdrm	hyper	CHH	0.0169
Gm04	49586023	49587018	Gmdrm	hyper	CHH	0.0148
Gm04	49634038	49634998	Gmdrm	hyper	CHH	0.0144
Gm04	49703726	49704725	Gmdrm	hyper	CHH	0.0143
Gm04	49728613	49728836	Gmdrm	hyper	CHH	0.028
Gm04	49739973	49740966	Gmdrm	hyper	CHH	0.0171
Gm04	49754364	49754529	Gmdrm	hyper	CHH	0.0428
Gm04	49848368	49848887	Gmdrm	hyper	CHH	0.0383
Gm04	49851588	49852582	Gmdrm	hyper	CHH	0.0122
Gm04	49943702	49944098	Gmdrm	hyper	CHH	0.0503
Gm04	49969244	49969275	Gmdrm	hyper	CHH	0.058
Gm04	49974027	49974596	Gmdrm	hyper	CHH	0.0217
Gm04	50053275	50054253	Gmdrm	hyper	CHH	0.0218
Gm04	50099084	50100066	Gmdrm	hyper	CHH	0.0129
Gm04	50186123	50186338	Gmdrm	hyper	CHH	0.0767
Gm04	50227929	50228204	Gmdrm	hyper	CHH	0.0464
Gm04	50265387	50265543	Gmdrm	hyper	CHH	0.041
Gm04	50283599	50284591	Gmdrm	hyper	CHH	0.0159
Gm04	50315927	50316127	Gmdrm	hyper	CHH	0.0537
Gm04	50334802	50335764	Gmdrm	hyper	CHH	0.0126
Gm04	50354458	50355447	Gmdrm	hyper	CHH	0.012
Gm04	50469162	50470161	Gmdrm	hyper	CHH	0.0307

Gm04	50532982	50533982	Gmdrm	hyper	CHH	0.0171
Gm04	50570163	50571153	Gmdrm	hyper	CHH	0.0373
Gm04	50632089	50632673	Gmdrm	hyper	CHH	0.0505
Gm04	50656702	50657693	Gmdrm	hyper	CHH	0.0273
Gm04	50696140	50697111	Gmdrm	hyper	CHH	0.0167
Gm04	50751720	50751855	Gmdrm	hyper	CHH	0.062
Gm04	50758125	50759124	Gmdrm	hyper	CHH	0.0189
Gm04	50764995	50765966	Gmdrm	hyper	CHH	0.0251
Gm04	50805415	50805619	Gmdrm	hyper	CHH	0.14
Gm04	50808512	50808617	Gmdrm	hyper	CHH	0.042
Gm04	50809145	50809329	Gmdrm	hyper	CHH	0.0533
Gm04	50846146	50846321	Gmdrm	hyper	CHH	0.1062
Gm04	50857111	50857847	Gmdrm	hyper	CHH	0.0239
Gm04	50869740	50870350	Gmdrm	hyper	CHH	0.0233
Gm04	50883799	50884131	Gmdrm	hyper	CHH	0.016
Gm04	50941277	50941706	Gmdrm	hyper	CHH	0.0223
Gm04	50962480	50963458	Gmdrm	hyper	CHH	0.0265
Gm04	51000783	51001778	Gmdrm	hyper	CHH	0.0342
Gm04	51033760	51034757	Gmdrm	hyper	CHH	0.0263
Gm04	51056264	51056708	Gmdrm	hyper	CHH	0.0753
Gm04	51115317	51115762	Gmdrm	hyper	CHH	0.0244
Gm04	51155160	51155795	Gmdrm	hyper	CHH	0.0239
Gm05	83947	84282	Gmdrm	hyper	CHH	0.027
Gm05	97763	98738	Gmdrm	hyper	CHH	0.0216
Gm05	155127	156039	Gmdrm	hyper	CHH	0.0104
Gm05	200903	201900	Gmdrm	hyper	CHH	0.0232
Gm05	214876	215173	Gmdrm	hyper	CHH	0.0185
Gm05	234630	235614	Gmdrm	hyper	CHH	0.016
Gm05	239103	239392	Gmdrm	hyper	CHH	0.0354
Gm05	250049	251044	Gmdrm	hyper	CHH	0.0328
Gm05	284938	285932	Gmdrm	hyper	CHH	0.0563
Gm05	339454	340451	Gmdrm	hyper	CHH	0.0657
Gm05	366614	367609	Gmdrm	hyper	CHH	0.0238
Gm05	371731	372725	Gmdrm	hyper	CHH	0.0154
Gm05	372736	373096	Gmdrm	hyper	CHH	0.0229
Gm05	374689	375367	Gmdrm	hyper	CHH	0.0152
Gm05	468594	468784	Gmdrm	hyper	CHH	0.0629
Gm05	509112	509618	Gmdrm	hyper	CHH	0.0346
Gm05	524661	525652	Gmdrm	hyper	CHH	0.0143
Gm05	578784	579775	Gmdrm	hyper	CHH	0.0196
Gm05	587491	588463	Gmdrm	hyper	CHH	0.0187
Gm05	601974	602970	Gmdrm	hyper	CHH	0.0132
Gm05	636596	637570	Gmdrm	hyper	CHH	0.0165
Gm05	680043	681026	Gmdrm	hyper	CHH	0.0238
Gm05	755885	756850	Gmdrm	hyper	CHH	0.0114
Gm05	827246	828246	Gmdrm	hyper	CHH	0.025

Gm05	832259	833252	Gmdrm	hyper	CHH	0.0176
Gm05	846330	846473	Gmdrm	hyper	CHH	0.05
Gm05	855736	856734	Gmdrm	hyper	CHH	0.013
Gm05	862875	863862	Gmdrm	hyper	CHH	0.0155
Gm05	890222	891219	Gmdrm	hyper	CHH	0.0177
Gm05	922399	922957	Gmdrm	hyper	CHH	0.0438
Gm05	923067	924036	Gmdrm	hyper	CHH	0.0144
Gm05	1002955	1003949	Gmdrm	hyper	CHH	0.0125
Gm05	1035868	1036411	Gmdrm	hyper	CHH	0.028
Gm05	1161026	1161524	Gmdrm	hyper	CHH	0.0259
Gm05	1196404	1197391	Gmdrm	hyper	CHH	0.0207
Gm05	1197412	1198406	Gmdrm	hyper	CHH	0.0083
Gm05	1227735	1228731	Gmdrm	hyper	CHH	0.022
Gm05	1262234	1263234	Gmdrm	hyper	CHH	0.0175
Gm05	1345385	1346362	Gmdrm	hyper	CHH	0.0193
Gm05	1357542	1358491	Gmdrm	hyper	CHH	0.0169
Gm05	1375121	1376108	Gmdrm	hyper	CHH	0.0437
Gm05	1386564	1387366	Gmdrm	hyper	CHH	0.0249
Gm05	1415508	1416337	Gmdrm	hyper	CHH	0.0193
Gm05	1427410	1427549	Gmdrm	hyper	CHH	0.0467
Gm05	1453022	1454003	Gmdrm	hyper	CHH	0.0162
Gm05	1473706	1474705	Gmdrm	hyper	CHH	0.0281
Gm05	1485373	1486332	Gmdrm	hyper	CHH	0.0173
Gm05	1525200	1526198	Gmdrm	hyper	CHH	0.0221
Gm05	1572503	1573460	Gmdrm	hyper	CHH	0.0132
Gm05	1600846	1601834	Gmdrm	hyper	CHH	0.0285
Gm05	1670176	1671168	Gmdrm	hyper	CHH	0.0204
Gm05	1689519	1690512	Gmdrm	hyper	CHH	0.0242
Gm05	1691715	1692706	Gmdrm	hyper	CHH	0.0112
Gm05	1711281	1711752	Gmdrm	hyper	CHH	0.0148
Gm05	1745185	1746176	Gmdrm	hyper	CHH	0.0135
Gm05	1761836	1762835	Gmdrm	hyper	CHH	0.0241
Gm05	1835921	1836178	Gmdrm	hyper	CHH	0.0239
Gm05	1842258	1842985	Gmdrm	hyper	CHH	0.0271
Gm05	1849756	1850485	Gmdrm	hyper	CHH	0.0523
Gm05	1874909	1875344	Gmdrm	hyper	CHH	0.056
Gm05	1887427	1888421	Gmdrm	hyper	CHH	0.0105
Gm05	1906617	1907009	Gmdrm	hyper	CHH	0.0789
Gm05	1957348	1957626	Gmdrm	hyper	CHH	0.0677
Gm05	2033669	2034664	Gmdrm	hyper	CHH	0.0149
Gm05	2065113	2066112	Gmdrm	hyper	CHH	0.0254
Gm05	2112786	2113764	Gmdrm	hyper	CHH	0.017
Gm05	2126435	2127434	Gmdrm	hyper	CHH	0.023
Gm05	2194150	2195121	Gmdrm	hyper	CHH	0.0165
Gm05	2206654	2207620	Gmdrm	hyper	CHH	0.0199
Gm05	2218555	2219554	Gmdrm	hyper	CHH	0.0196

Gm05	2238346	2239343	Gmdrm	hyper	CHH	0.0206
Gm05	2241789	2242599	Gmdrm	hyper	CHH	0.02
Gm05	2276530	2277526	Gmdrm	hyper	CHH	0.0168
Gm05	2338436	2339405	Gmdrm	hyper	CHH	0.0112
Gm05	2361315	2362315	Gmdrm	hyper	CHH	0.0156
Gm05	2366864	2367851	Gmdrm	hyper	CHH	0.0136
Gm05	2417690	2418684	Gmdrm	hyper	CHH	0.013
Gm05	2450688	2451688	Gmdrm	hyper	CHH	0.0239
Gm05	2458537	2459443	Gmdrm	hyper	CHH	0.0275
Gm05	2484247	2485243	Gmdrm	hyper	CHH	0.0198
Gm05	2498275	2499256	Gmdrm	hyper	CHH	0.021
Gm05	2523127	2523686	Gmdrm	hyper	CHH	0.0384
Gm05	2538793	2539785	Gmdrm	hyper	CHH	0.019
Gm05	2562581	2563528	Gmdrm	hyper	CHH	0.0646
Gm05	2630294	2631219	Gmdrm	hyper	CHH	0.0156
Gm05	2631304	2631390	Gmdrm	hyper	CHH	0.046
Gm05	2650874	2651859	Gmdrm	hyper	CHH	0.014
Gm05	2656312	2657293	Gmdrm	hyper	CHH	0.0191
Gm05	2671123	2671512	Gmdrm	hyper	CHH	0.0346
Gm05	2694371	2695360	Gmdrm	hyper	CHH	0.0171
Gm05	2734879	2735359	Gmdrm	hyper	CHH	0.0511
Gm05	2802503	2803503	Gmdrm	hyper	CHH	0.017
Gm05	2881285	2881476	Gmdrm	hyper	CHH	0.043
Gm05	2881577	2881855	Gmdrm	hyper	CHH	0.0223
Gm05	2905042	2906021	Gmdrm	hyper	CHH	0.0293
Gm05	2983659	2983977	Gmdrm	hyper	CHH	0.044
Gm05	3010857	3011848	Gmdrm	hyper	CHH	0.0228
Gm05	3076127	3076261	Gmdrm	hyper	CHH	0.0536
Gm05	3095868	3096859	Gmdrm	hyper	CHH	0.0117
Gm05	3138544	3139536	Gmdrm	hyper	CHH	0.0208
Gm05	3152600	3153592	Gmdrm	hyper	CHH	0.0165
Gm05	3176404	3177404	Gmdrm	hyper	CHH	0.0343
Gm05	3241425	3242406	Gmdrm	hyper	CHH	0.0251
Gm05	3260483	3261481	Gmdrm	hyper	CHH	0.0238
Gm05	3265725	3265982	Gmdrm	hyper	CHH	0.0444
Gm05	3268489	3269482	Gmdrm	hyper	CHH	0.0226
Gm05	3272397	3273393	Gmdrm	hyper	CHH	0.0293
Gm05	3274798	3275021	Gmdrm	hyper	CHH	0.0441
Gm05	3309412	3310117	Gmdrm	hyper	CHH	0.0304
Gm05	3524401	3525298	Gmdrm	hyper	CHH	0.021
Gm05	3536212	3536990	Gmdrm	hyper	CHH	0.0313
Gm05	3567587	3568209	Gmdrm	hyper	CHH	0.0394
Gm05	3661174	3662061	Gmdrm	hyper	CHH	0.0425
Gm05	3762484	3762673	Gmdrm	hyper	CHH	0.0411
Gm05	3797796	3798783	Gmdrm	hyper	CHH	0.0162
Gm05	3812398	3813129	Gmdrm	hyper	CHH	0.0326

Gm05	3895044	3895323	Gmdrm	hyper	CHH	0.0246
Gm05	3951015	3952012	Gmdrm	hyper	CHH	0.0289
Gm05	3955657	3956646	Gmdrm	hyper	CHH	0.1376
Gm05	3956667	3957646	Gmdrm	hyper	CHH	0.0378
Gm05	3978657	3979657	Gmdrm	hyper	CHH	0.0178
Gm05	4037454	4038426	Gmdrm	hyper	CHH	0.0208
Gm05	4062496	4063080	Gmdrm	hyper	CHH	0.0176
Gm05	4096967	4097519	Gmdrm	hyper	CHH	0.0297
Gm05	4113370	4114364	Gmdrm	hyper	CHH	0.0181
Gm05	4144373	4145371	Gmdrm	hyper	CHH	0.0138
Gm05	4186907	4187907	Gmdrm	hyper	CHH	0.0307
Gm05	4352616	4353551	Gmdrm	hyper	CHH	0.0188
Gm05	4368180	4368645	Gmdrm	hyper	CHH	0.0364
Gm05	4414715	4414741	Gmdrm	hyper	CHH	0.0433
Gm05	4424809	4425247	Gmdrm	hyper	CHH	0.0441
Gm05	4460170	4461142	Gmdrm	hyper	CHH	0.0185
Gm05	4462134	4462350	Gmdrm	hyper	CHH	0.0645
Gm05	4544419	4545419	Gmdrm	hyper	CHH	0.0122
Gm05	4558286	4558647	Gmdrm	hyper	CHH	0.0364
Gm05	4565510	4566510	Gmdrm	hyper	CHH	0.018
Gm05	4625888	4626868	Gmdrm	hyper	CHH	0.0179
Gm05	4666376	4666466	Gmdrm	hyper	CHH	0.096
Gm05	4699992	4700946	Gmdrm	hyper	CHH	0.0165
Gm05	4865116	4865651	Gmdrm	hyper	CHH	0.0434
Gm05	4865769	4866754	Gmdrm	hyper	CHH	0.024
Gm05	4985950	4986942	Gmdrm	hyper	CHH	0.0197
Gm05	5024852	5025849	Gmdrm	hyper	CHH	0.0208
Gm05	5030690	5031645	Gmdrm	hyper	CHH	0.0132
Gm05	5035597	5036586	Gmdrm	hyper	CHH	0.0122
Gm05	5107894	5108660	Gmdrm	hyper	CHH	0.0439
Gm05	5197728	5198355	Gmdrm	hyper	CHH	0.0141
Gm05	5231484	5231970	Gmdrm	hyper	CHH	0.0456
Gm05	5267242	5268242	Gmdrm	hyper	CHH	0.0146
Gm05	5286782	5287718	Gmdrm	hyper	CHH	0.0277
Gm05	5326329	5326431	Gmdrm	hyper	CHH	0.0566
Gm05	5337381	5338378	Gmdrm	hyper	CHH	0.021
Gm05	5346077	5347063	Gmdrm	hyper	CHH	0.0114
Gm05	5447854	5448763	Gmdrm	hyper	CHH	0.0165
Gm05	5455574	5456567	Gmdrm	hyper	CHH	0.0118
Gm05	5493699	5494678	Gmdrm	hyper	CHH	0.0139
Gm05	5498891	5499041	Gmdrm	hyper	CHH	0.116
Gm05	5586958	5587817	Gmdrm	hyper	CHH	0.0246
Gm05	5643457	5644441	Gmdrm	hyper	CHH	0.0161
Gm05	5656365	5657071	Gmdrm	hyper	CHH	0.0222
Gm05	5677987	5678763	Gmdrm	hyper	CHH	0.0285
Gm05	5738824	5739822	Gmdrm	hyper	CHH	0.0254

Gm05	5741065	5742058	Gmdrm	hyper	CHH	0.0198
Gm05	5753575	5754435	Gmdrm	hyper	CHH	0.0175
Gm05	5914776	5915448	Gmdrm	hyper	CHH	0.0153
Gm05	5937737	5937789	Gmdrm	hyper	CHH	0.036
Gm05	5964913	5965710	Gmdrm	hyper	CHH	0.0305
Gm05	6102935	6103606	Gmdrm	hyper	CHH	0.0585
Gm05	6124789	6125205	Gmdrm	hyper	CHH	0.0268
Gm05	6176735	6177501	Gmdrm	hyper	CHH	0.0798
Gm05	6177667	6178666	Gmdrm	hyper	CHH	0.0509
Gm05	6178684	6179679	Gmdrm	hyper	CHH	0.0623
Gm05	6197169	6197917	Gmdrm	hyper	CHH	0.0157
Gm05	6310621	6311599	Gmdrm	hyper	CHH	0.0125
Gm05	6358574	6359512	Gmdrm	hyper	CHH	0.0144
Gm05	6459067	6460049	Gmdrm	hyper	CHH	0.0142
Gm05	6487881	6488875	Gmdrm	hyper	CHH	0.0121
Gm05	6509773	6510751	Gmdrm	hyper	CHH	0.0603
Gm05	6511782	6512779	Gmdrm	hyper	CHH	0.0458
Gm05	6513790	6514789	Gmdrm	hyper	CHH	0.0411
Gm05	6562310	6562951	Gmdrm	hyper	CHH	0.0248
Gm05	6606103	6607079	Gmdrm	hyper	CHH	0.0327
Gm05	6610038	6611014	Gmdrm	hyper	CHH	0.0202
Gm05	6635999	6636991	Gmdrm	hyper	CHH	0.0155
Gm05	6747514	6748499	Gmdrm	hyper	CHH	0.0188
Gm05	6799457	6800452	Gmdrm	hyper	CHH	0.0349
Gm05	6936821	6937811	Gmdrm	hyper	CHH	0.0262
Gm05	6968556	6969546	Gmdrm	hyper	CHH	0.0148
Gm05	6969557	6970550	Gmdrm	hyper	CHH	0.0148
Gm05	7023985	7024974	Gmdrm	hyper	CHH	0.0315
Gm05	7046358	7046857	Gmdrm	hyper	CHH	0.0445
Gm05	7196906	7197482	Gmdrm	hyper	CHH	0.0189
Gm05	7285950	7286182	Gmdrm	hyper	CHH	0.1027
Gm05	7325194	7325345	Gmdrm	hyper	CHH	0.0525
Gm05	7365672	7365909	Gmdrm	hyper	CHH	0.023
Gm05	7434460	7435449	Gmdrm	hyper	CHH	0.0249
Gm05	7538132	7539108	Gmdrm	hyper	CHH	0.0156
Gm05	7576031	7576108	Gmdrm	hyper	CHH	0.0383
Gm05	7674315	7675311	Gmdrm	hyper	CHH	0.0594
Gm05	7699357	7700125	Gmdrm	hyper	CHH	0.0583
Gm05	7977474	7977650	Gmdrm	hyper	CHH	0.1881
Gm05	8164961	8165943	Gmdrm	hyper	CHH	0.0176
Gm05	8165962	8166946	Gmdrm	hyper	CHH	0.0204
Gm05	8384231	8385230	Gmdrm	hyper	CHH	0.0405
Gm05	8393425	8394422	Gmdrm	hyper	CHH	0.1026
Gm05	8394429	8395426	Gmdrm	hyper	CHH	0.1478
Gm05	8395435	8396402	Gmdrm	hyper	CHH	0.0607
Gm05	8396465	8396738	Gmdrm	hyper	CHH	0.028

Gm05	8429620	8429937	Gmdrm	hyper	CHH	0.0254
Gm05	8574699	8575685	Gmdrm	hyper	CHH	0.0305
Gm05	8585043	8586042	Gmdrm	hyper	CHH	0.0339
Gm05	8591110	8592107	Gmdrm	hyper	CHH	0.0138
Gm05	8687258	8688257	Gmdrm	hyper	CHH	0.0835
Gm05	8697318	8698305	Gmdrm	hyper	CHH	0.042
Gm05	8740726	8741721	Gmdrm	hyper	CHH	0.0321
Gm05	8791766	8792754	Gmdrm	hyper	CHH	0.0199
Gm05	8969970	8970967	Gmdrm	hyper	CHH	0.0446
Gm05	9024493	9025487	Gmdrm	hyper	CHH	0.0746
Gm05	9350285	9350522	Gmdrm	hyper	CHH	0.1206
Gm05	9371075	9372074	Gmdrm	hyper	CHH	0.0133
Gm05	9443583	9443759	Gmdrm	hyper	CHH	0.0325
Gm05	9508928	9509920	Gmdrm	hyper	CHH	0.0397
Gm05	9548037	9548263	Gmdrm	hyper	CHH	0.0414
Gm05	9570073	9570883	Gmdrm	hyper	CHH	0.0159
Gm05	9662419	9663399	Gmdrm	hyper	CHH	0.0523
Gm05	9723548	9724547	Gmdrm	hyper	CHH	0.0409
Gm05	9739270	9740254	Gmdrm	hyper	CHH	0.0148
Gm05	9793526	9794292	Gmdrm	hyper	CHH	0.0832
Gm05	9833952	9834935	Gmdrm	hyper	CHH	0.0169
Gm05	9842563	9843558	Gmdrm	hyper	CHH	0.0374
Gm05	9988825	9989818	Gmdrm	hyper	CHH	0.0244
Gm05	10060606	10060873	Gmdrm	hyper	CHH	0.04
Gm05	10113031	10113994	Gmdrm	hyper	CHH	0.0141
Gm05	10176430	10176835	Gmdrm	hyper	CHH	0.0731
Gm05	10179273	10180044	Gmdrm	hyper	CHH	0.0466
Gm05	10181341	10181880	Gmdrm	hyper	CHH	0.0274
Gm05	10307660	10308658	Gmdrm	hyper	CHH	0.0644
Gm05	10574062	10574161	Gmdrm	hyper	CHH	0.1334
Gm05	10826268	10826974	Gmdrm	hyper	CHH	0.0232
Gm05	11078827	11078988	Gmdrm	hyper	CHH	0.0483
Gm05	11202156	11203121	Gmdrm	hyper	CHH	0.0196
Gm05	11250453	11251432	Gmdrm	hyper	CHH	0.0464
Gm05	11313457	11314447	Gmdrm	hyper	CHH	0.0195
Gm05	11374637	11375630	Gmdrm	hyper	CHH	0.0209
Gm05	11404706	11405538	Gmdrm	hyper	CHH	0.0453
Gm05	11445297	11446290	Gmdrm	hyper	CHH	0.0485
Gm05	11552234	11553127	Gmdrm	hyper	CHH	0.07
Gm05	11696576	11697574	Gmdrm	hyper	CHH	0.0134
Gm05	11831630	11831681	Gmdrm	hyper	CHH	0.1666
Gm05	11888036	11888579	Gmdrm	hyper	CHH	0.1403
Gm05	11947154	11947956	Gmdrm	hyper	CHH	0.0234
Gm05	12131668	12132664	Gmdrm	hyper	CHH	0.0505
Gm05	12207901	12208898	Gmdrm	hyper	CHH	0.032
Gm05	12219827	12220783	Gmdrm	hyper	CHH	0.0198

Gm05	12337248	12338238	Gmdrm	hyper	CHH	0.0332
Gm05	12439152	12439392	Gmdrm	hyper	CHH	0.1409
Gm05	12480519	12481503	Gmdrm	hyper	CHH	0.0764
Gm05	12821390	12822389	Gmdrm	hyper	CHH	0.0243
Gm05	12987208	12988193	Gmdrm	hyper	CHH	0.0478
Gm05	13145920	13146691	Gmdrm	hyper	CHH	0.0812
Gm05	13212440	13213432	Gmdrm	hyper	CHH	0.0157
Gm05	13220338	13220433	Gmdrm	hyper	CHH	0.1825
Gm05	13225957	13226027	Gmdrm	hyper	CHH	0.14
Gm05	13247096	13248040	Gmdrm	hyper	CHH	0.0401
Gm05	13283270	13283397	Gmdrm	hyper	CHH	0.3667
Gm05	13308329	13309291	Gmdrm	hyper	CHH	0.0881
Gm05	13366760	13367752	Gmdrm	hyper	CHH	0.0778
Gm05	13632667	13632757	Gmdrm	hyper	CHH	0.1688
Gm05	13711393	13712391	Gmdrm	hyper	CHH	0.0388
Gm05	13888241	13888869	Gmdrm	hyper	CHH	0.0332
Gm05	13928251	13928810	Gmdrm	hyper	CHH	0.1106
Gm05	13931980	13932031	Gmdrm	hyper	CHH	0.117
Gm05	14024876	14025849	Gmdrm	hyper	CHH	0.0711
Gm05	14037631	14037763	Gmdrm	hyper	CHH	0.1609
Gm05	14463640	14463815	Gmdrm	hyper	CHH	0.0993
Gm05	14589351	14589690	Gmdrm	hyper	CHH	0.1744
Gm05	14688047	14688131	Gmdrm	hyper	CHH	0.0467
Gm05	14689303	14690299	Gmdrm	hyper	CHH	0.0181
Gm05	14693863	14694647	Gmdrm	hyper	CHH	0.0845
Gm05	15034953	15035193	Gmdrm	hyper	CHH	0.1436
Gm05	15104150	15105146	Gmdrm	hyper	CHH	0.0181
Gm05	15106182	15107181	Gmdrm	hyper	CHH	0.015
Gm05	15179733	15180729	Gmdrm	hyper	CHH	0.0197
Gm05	15389655	15390649	Gmdrm	hyper	CHH	0.0563
Gm05	15443024	15444019	Gmdrm	hyper	CHH	0.0129
Gm05	15516378	15516919	Gmdrm	hyper	CHH	0.0416
Gm05	15801810	15802776	Gmdrm	hyper	CHH	0.0598
Gm05	15867940	15868085	Gmdrm	hyper	CHH	0.0411
Gm05	15882531	15883530	Gmdrm	hyper	CHH	0.0341
Gm05	15895609	15896609	Gmdrm	hyper	CHH	0.0394
Gm05	16023766	16024756	Gmdrm	hyper	CHH	0.088
Gm05	16053651	16054623	Gmdrm	hyper	CHH	0.0247
Gm05	16117482	16118480	Gmdrm	hyper	CHH	0.0309
Gm05	16554424	16555422	Gmdrm	hyper	CHH	0.0413
Gm05	16687905	16688903	Gmdrm	hyper	CHH	0.0234
Gm05	16725680	16726679	Gmdrm	hyper	CHH	0.0628
Gm05	16795936	16796881	Gmdrm	hyper	CHH	0.0769
Gm05	16819754	16820530	Gmdrm	hyper	CHH	0.0268
Gm05	16866837	16867786	Gmdrm	hyper	CHH	0.0505
Gm05	17126110	17127110	Gmdrm	hyper	CHH	0.029

Gm05	17292214	17292328	Gmdrm	hyper	CHH	0.1684
Gm05	17380645	17381623	Gmdrm	hyper	CHH	0.0502
Gm05	17509067	17509447	Gmdrm	hyper	CHH	0.1
Gm05	17641707	17642691	Gmdrm	hyper	CHH	0.0638
Gm05	17779822	17780211	Gmdrm	hyper	CHH	0.1636
Gm05	17878061	17878415	Gmdrm	hyper	CHH	0.0913
Gm05	17924715	17925715	Gmdrm	hyper	CHH	0.0486
Gm05	18309104	18309500	Gmdrm	hyper	CHH	0.1209
Gm05	18504187	18505185	Gmdrm	hyper	CHH	0.0493
Gm05	18623430	18624390	Gmdrm	hyper	CHH	0.0381
Gm05	18867010	18867515	Gmdrm	hyper	CHH	0.0728
Gm05	18890485	18891440	Gmdrm	hyper	CHH	0.03
Gm05	18941335	18941604	Gmdrm	hyper	CHH	0.0943
Gm05	19340686	19341669	Gmdrm	hyper	CHH	0.0452
Gm05	19497724	19498720	Gmdrm	hyper	CHH	0.0608
Gm05	19756636	19756891	Gmdrm	hyper	CHH	0.0764
Gm05	19842123	19842395	Gmdrm	hyper	CHH	0.25
Gm05	19915570	19916015	Gmdrm	hyper	CHH	0.0282
Gm05	20097231	20098219	Gmdrm	hyper	CHH	0.0578
Gm05	20103983	20104101	Gmdrm	hyper	CHH	0.0614
Gm05	20134165	20134505	Gmdrm	hyper	CHH	0.0689
Gm05	20354956	20355226	Gmdrm	hyper	CHH	0.1195
Gm05	20893530	20893588	Gmdrm	hyper	CHH	0.1531
Gm05	21155168	21156165	Gmdrm	hyper	CHH	0.0389
Gm05	21464712	21465704	Gmdrm	hyper	CHH	0.0868
Gm05	21541423	21541671	Gmdrm	hyper	CHH	0.1427
Gm05	21655265	21656264	Gmdrm	hyper	CHH	0.062
Gm05	21696936	21697031	Gmdrm	hyper	CHH	0.1784
Gm05	21949577	21949891	Gmdrm	hyper	CHH	0.1318
Gm05	21989057	21990057	Gmdrm	hyper	CHH	0.0348
Gm05	21990080	21991069	Gmdrm	hyper	CHH	0.0969
Gm05	22081064	22081409	Gmdrm	hyper	CHH	0.0394
Gm05	22499070	22499235	Gmdrm	hyper	CHH	0.12
Gm05	22715491	22716480	Gmdrm	hyper	CHH	0.0337
Gm05	22886235	22887034	Gmdrm	hyper	CHH	0.0454
Gm05	22985087	22985580	Gmdrm	hyper	CHH	0.0939
Gm05	23081147	23081253	Gmdrm	hyper	CHH	0.11
Gm05	23081476	23082391	Gmdrm	hyper	CHH	0.0643
Gm05	23485928	23486926	Gmdrm	hyper	CHH	0.0122
Gm05	23592443	23593442	Gmdrm	hyper	CHH	0.0433
Gm05	23593446	23594431	Gmdrm	hyper	CHH	0.0337
Gm05	23667637	23667792	Gmdrm	hyper	CHH	0.0933
Gm05	23672638	23673094	Gmdrm	hyper	CHH	0.0369
Gm05	23894349	23895328	Gmdrm	hyper	CHH	0.0174
Gm05	23905639	23905894	Gmdrm	hyper	CHH	0.0592
Gm05	24004535	24005535	Gmdrm	hyper	CHH	0.0453

Gm05	24093803	24094803	Gmdrm	hyper	CHH	0.0451
Gm05	24139923	24139950	Gmdrm	hyper	CHH	0.152
Gm05	24148588	24148757	Gmdrm	hyper	CHH	0.1488
Gm05	24150333	24151317	Gmdrm	hyper	CHH	0.0143
Gm05	24198753	24198854	Gmdrm	hyper	CHH	0.054
Gm05	24259505	24260503	Gmdrm	hyper	CHH	0.0402
Gm05	24260513	24261512	Gmdrm	hyper	CHH	0.07
Gm05	24539501	24540501	Gmdrm	hyper	CHH	0.047
Gm05	24554116	24555099	Gmdrm	hyper	CHH	0.0474
Gm05	24673268	24673397	Gmdrm	hyper	CHH	0.16
Gm05	24802127	24803112	Gmdrm	hyper	CHH	0.0452
Gm05	24824080	24824631	Gmdrm	hyper	CHH	0.0529
Gm05	24968855	24969801	Gmdrm	hyper	CHH	0.0467
Gm05	25074105	25075097	Gmdrm	hyper	CHH	0.0527
Gm05	25477687	25478533	Gmdrm	hyper	CHH	0.0752
Gm05	25480807	25480916	Gmdrm	hyper	CHH	0.1917
Gm05	25575031	25575116	Gmdrm	hyper	CHH	0.0267
Gm05	25604248	25604837	Gmdrm	hyper	CHH	0.0309
Gm05	25645243	25646241	Gmdrm	hyper	CHH	0.034
Gm05	25718253	25719214	Gmdrm	hyper	CHH	0.0154
Gm05	25808264	25808349	Gmdrm	hyper	CHH	0.0411
Gm05	25879923	25880409	Gmdrm	hyper	CHH	0.0958
Gm05	25910280	25910327	Gmdrm	hyper	CHH	0.24
Gm05	25981467	25981609	Gmdrm	hyper	CHH	0.1822
Gm05	26000174	26001174	Gmdrm	hyper	CHH	0.0197
Gm05	26159375	26160150	Gmdrm	hyper	CHH	0.0291
Gm05	26229987	26230535	Gmdrm	hyper	CHH	0.0794
Gm05	26613350	26614345	Gmdrm	hyper	CHH	0.0513
Gm05	26660272	26661271	Gmdrm	hyper	CHH	0.0552
Gm05	26661274	26662274	Gmdrm	hyper	CHH	0.0825
Gm05	26663294	26664290	Gmdrm	hyper	CHH	0.02
Gm05	26676258	26677243	Gmdrm	hyper	CHH	0.0404
Gm05	26714724	26715720	Gmdrm	hyper	CHH	0.0425
Gm05	26753888	26754877	Gmdrm	hyper	CHH	0.0153
Gm05	26834596	26835594	Gmdrm	hyper	CHH	0.0147
Gm05	26957866	26958013	Gmdrm	hyper	CHH	0.135
Gm05	27030514	27031514	Gmdrm	hyper	CHH	0.0361
Gm05	27081659	27082638	Gmdrm	hyper	CHH	0.0194
Gm05	27099137	27099875	Gmdrm	hyper	CHH	0.0197
Gm05	27612573	27613573	Gmdrm	hyper	CHH	0.0445
Gm05	27647868	27648852	Gmdrm	hyper	CHH	0.0234
Gm05	27670723	27671694	Gmdrm	hyper	CHH	0.0151
Gm05	27677530	27677586	Gmdrm	hyper	CHH	0.1763
Gm05	27711706	27712139	Gmdrm	hyper	CHH	0.0623
Gm05	27715984	27716978	Gmdrm	hyper	CHH	0.0215
Gm05	27773845	27774837	Gmdrm	hyper	CHH	0.0487

Gm05	27837895	27838893	Gmdrm	hyper	CHH	0.0187
Gm05	28070168	28070514	Gmdrm	hyper	CHH	0.0316
Gm05	28302997	28303627	Gmdrm	hyper	CHH	0.0236
Gm05	28388128	28389127	Gmdrm	hyper	CHH	0.0196
Gm05	28494053	28494771	Gmdrm	hyper	CHH	0.0319
Gm05	28556346	28557341	Gmdrm	hyper	CHH	0.0141
Gm05	28611987	28612254	Gmdrm	hyper	CHH	0.0384
Gm05	28634523	28635435	Gmdrm	hyper	CHH	0.0354
Gm05	28790524	28791292	Gmdrm	hyper	CHH	0.0369
Gm05	28992966	28993897	Gmdrm	hyper	CHH	0.034
Gm05	29240603	29241600	Gmdrm	hyper	CHH	0.0545
Gm05	29295188	29295601	Gmdrm	hyper	CHH	0.0813
Gm05	29306577	29307524	Gmdrm	hyper	CHH	0.0121
Gm05	29328179	29328276	Gmdrm	hyper	CHH	0.058
Gm05	29346770	29346863	Gmdrm	hyper	CHH	0.1871
Gm05	29581836	29582816	Gmdrm	hyper	CHH	0.0257
Gm05	29776443	29777231	Gmdrm	hyper	CHH	0.0162
Gm05	29869445	29869545	Gmdrm	hyper	CHH	0.088
Gm05	29975395	29976381	Gmdrm	hyper	CHH	0.0815
Gm05	30001705	30002690	Gmdrm	hyper	CHH	0.0136
Gm05	30003725	30004704	Gmdrm	hyper	CHH	0.0116
Gm05	30100760	30101719	Gmdrm	hyper	CHH	0.0265
Gm05	30143167	30144162	Gmdrm	hyper	CHH	0.0135
Gm05	30252610	30253608	Gmdrm	hyper	CHH	0.0522
Gm05	30259470	30260428	Gmdrm	hyper	CHH	0.0251
Gm05	30438938	30439937	Gmdrm	hyper	CHH	0.0574
Gm05	30441957	30442957	Gmdrm	hyper	CHH	0.0503
Gm05	30519627	30520200	Gmdrm	hyper	CHH	0.0216
Gm05	30545196	30546193	Gmdrm	hyper	CHH	0.0433
Gm05	31134158	31134811	Gmdrm	hyper	CHH	0.024
Gm05	31157647	31158646	Gmdrm	hyper	CHH	0.0184
Gm05	31197277	31198272	Gmdrm	hyper	CHH	0.0109
Gm05	31502806	31503776	Gmdrm	hyper	CHH	0.0612
Gm05	31518906	31519881	Gmdrm	hyper	CHH	0.02
Gm05	31527294	31527699	Gmdrm	hyper	CHH	0.1743
Gm05	31696644	31697644	Gmdrm	hyper	CHH	0.0172
Gm05	31701771	31702694	Gmdrm	hyper	CHH	0.0231
Gm05	31763282	31764274	Gmdrm	hyper	CHH	0.0229
Gm05	31775872	31776867	Gmdrm	hyper	CHH	0.0139
Gm05	31806593	31807416	Gmdrm	hyper	CHH	0.0234
Gm05	31810562	31811562	Gmdrm	hyper	CHH	0.0139
Gm05	31961164	31962156	Gmdrm	hyper	CHH	0.0125
Gm05	31973244	31974235	Gmdrm	hyper	CHH	0.0237
Gm05	31990391	31991389	Gmdrm	hyper	CHH	0.0327
Gm05	32019562	32020556	Gmdrm	hyper	CHH	0.0152
Gm05	32058436	32059363	Gmdrm	hyper	CHH	0.0297

Gm05	32079416	32080195	Gmdrm	hyper	CHH	0.0294
Gm05	32085881	32086640	Gmdrm	hyper	CHH	0.0275
Gm05	32087763	32088743	Gmdrm	hyper	CHH	0.0234
Gm05	32137182	32137328	Gmdrm	hyper	CHH	0.0467
Gm05	32142396	32143396	Gmdrm	hyper	CHH	0.0104
Gm05	32168308	32169299	Gmdrm	hyper	CHH	0.0115
Gm05	32192893	32193890	Gmdrm	hyper	CHH	0.0226
Gm05	32196487	32197443	Gmdrm	hyper	CHH	0.0154
Gm05	32280313	32281308	Gmdrm	hyper	CHH	0.0153
Gm05	32349950	32350944	Gmdrm	hyper	CHH	0.016
Gm05	32364798	32365776	Gmdrm	hyper	CHH	0.0217
Gm05	32387862	32388825	Gmdrm	hyper	CHH	0.018
Gm05	32417583	32418572	Gmdrm	hyper	CHH	0.013
Gm05	32456168	32456669	Gmdrm	hyper	CHH	0.0328
Gm05	32456868	32457864	Gmdrm	hyper	CHH	0.0209
Gm05	32488163	32489162	Gmdrm	hyper	CHH	0.016
Gm05	32498082	32499064	Gmdrm	hyper	CHH	0.0215
Gm05	32532102	32533099	Gmdrm	hyper	CHH	0.013
Gm05	32554266	32554332	Gmdrm	hyper	CHH	0.056
Gm05	32572494	32573172	Gmdrm	hyper	CHH	0.0155
Gm05	32644382	32644525	Gmdrm	hyper	CHH	0.0194
Gm05	32651966	32652960	Gmdrm	hyper	CHH	0.031
Gm05	32678805	32679781	Gmdrm	hyper	CHH	0.0135
Gm05	32702148	32703137	Gmdrm	hyper	CHH	0.0158
Gm05	32734466	32734517	Gmdrm	hyper	CHH	0.0567
Gm05	32772394	32773381	Gmdrm	hyper	CHH	0.0674
Gm05	32805121	32805792	Gmdrm	hyper	CHH	0.0179
Gm05	32807786	32808775	Gmdrm	hyper	CHH	0.0402
Gm05	32845272	32846266	Gmdrm	hyper	CHH	0.04
Gm05	32916325	32917325	Gmdrm	hyper	CHH	0.0328
Gm05	33006432	33006665	Gmdrm	hyper	CHH	0.0481
Gm05	33053858	33054227	Gmdrm	hyper	CHH	0.0289
Gm05	33095724	33096723	Gmdrm	hyper	CHH	0.0187
Gm05	33113389	33114357	Gmdrm	hyper	CHH	0.0174
Gm05	33148956	33149941	Gmdrm	hyper	CHH	0.0119
Gm05	33173086	33174084	Gmdrm	hyper	CHH	0.0131
Gm05	33227636	33228616	Gmdrm	hyper	CHH	0.0244
Gm05	33279747	33279901	Gmdrm	hyper	CHH	0.0454
Gm05	33319408	33320238	Gmdrm	hyper	CHH	0.0266
Gm05	33343649	33344632	Gmdrm	hyper	CHH	0.0181
Gm05	33354352	33355352	Gmdrm	hyper	CHH	0.0119
Gm05	33368129	33369092	Gmdrm	hyper	CHH	0.0227
Gm05	33416663	33417657	Gmdrm	hyper	CHH	0.015
Gm05	33464870	33465847	Gmdrm	hyper	CHH	0.0138
Gm05	33467302	33468302	Gmdrm	hyper	CHH	0.0226
Gm05	33478781	33479570	Gmdrm	hyper	CHH	0.0207

Gm05	33552845	33553827	Gmdrm	hyper	CHH	0.026
Gm05	33556906	33557882	Gmdrm	hyper	CHH	0.0172
Gm05	33573865	33574828	Gmdrm	hyper	CHH	0.0179
Gm05	33637526	33638117	Gmdrm	hyper	CHH	0.0217
Gm05	33668997	33669047	Gmdrm	hyper	CHH	0.0516
Gm05	33675288	33675642	Gmdrm	hyper	CHH	0.0327
Gm05	33681122	33681676	Gmdrm	hyper	CHH	0.0303
Gm05	33698130	33699130	Gmdrm	hyper	CHH	0.0288
Gm05	33701681	33702666	Gmdrm	hyper	CHH	0.0239
Gm05	33809146	33809488	Gmdrm	hyper	CHH	0.0195
Gm05	33866346	33867193	Gmdrm	hyper	CHH	0.0364
Gm05	33878949	33879831	Gmdrm	hyper	CHH	0.06
Gm05	33934625	33935557	Gmdrm	hyper	CHH	0.0214
Gm05	33961184	33962113	Gmdrm	hyper	CHH	0.0303
Gm05	33978637	33979631	Gmdrm	hyper	CHH	0.0193
Gm05	33996743	33997166	Gmdrm	hyper	CHH	0.0329
Gm05	34006486	34007441	Gmdrm	hyper	CHH	0.0268
Gm05	34024847	34025838	Gmdrm	hyper	CHH	0.0174
Gm05	34048901	34049858	Gmdrm	hyper	CHH	0.0212
Gm05	34106436	34106644	Gmdrm	hyper	CHH	0.0788
Gm05	34116676	34116738	Gmdrm	hyper	CHH	0.068
Gm05	34133654	34134032	Gmdrm	hyper	CHH	0.0418
Gm05	34155942	34156927	Gmdrm	hyper	CHH	0.0163
Gm05	34163371	34164301	Gmdrm	hyper	CHH	0.0501
Gm05	34185286	34186280	Gmdrm	hyper	CHH	0.019
Gm05	34191271	34192256	Gmdrm	hyper	CHH	0.0143
Gm05	34230157	34231147	Gmdrm	hyper	CHH	0.015
Gm05	34243918	34244916	Gmdrm	hyper	CHH	0.0116
Gm05	34245980	34246815	Gmdrm	hyper	CHH	0.0158
Gm05	34258056	34258606	Gmdrm	hyper	CHH	0.0142
Gm05	34337383	34337656	Gmdrm	hyper	CHH	0.0572
Gm05	34338801	34339793	Gmdrm	hyper	CHH	0.016
Gm05	34432698	34433682	Gmdrm	hyper	CHH	0.0387
Gm05	34540236	34540289	Gmdrm	hyper	CHH	0.0314
Gm05	34633362	34634354	Gmdrm	hyper	CHH	0.0256
Gm05	34637295	34637886	Gmdrm	hyper	CHH	0.0305
Gm05	34684010	34684970	Gmdrm	hyper	CHH	0.0217
Gm05	34716562	34717546	Gmdrm	hyper	CHH	0.0194
Gm05	34735888	34736887	Gmdrm	hyper	CHH	0.0158
Gm05	34742857	34743855	Gmdrm	hyper	CHH	0.0194
Gm05	34809747	34810327	Gmdrm	hyper	CHH	0.0221
Gm05	34853560	34854547	Gmdrm	hyper	CHH	0.015
Gm05	34868405	34869401	Gmdrm	hyper	CHH	0.0165
Gm05	34886221	34886868	Gmdrm	hyper	CHH	0.0207
Gm05	34895613	34895917	Gmdrm	hyper	CHH	0.0627
Gm05	34898141	34898634	Gmdrm	hyper	CHH	0.0595

Gm05	34919153	34920145	Gmdrm	hyper	CHH	0.0137
Gm05	34921178	34922114	Gmdrm	hyper	CHH	0.0179
Gm05	34979979	34980101	Gmdrm	hyper	CHH	0.0645
Gm05	35005586	35006329	Gmdrm	hyper	CHH	0.0251
Gm05	35045714	35046709	Gmdrm	hyper	CHH	0.0143
Gm05	35075586	35076569	Gmdrm	hyper	CHH	0.0153
Gm05	35092462	35093458	Gmdrm	hyper	CHH	0.0134
Gm05	35152454	35153447	Gmdrm	hyper	CHH	0.0219
Gm05	35205118	35206118	Gmdrm	hyper	CHH	0.0223
Gm05	35219578	35220315	Gmdrm	hyper	CHH	0.0159
Gm05	35221901	35222877	Gmdrm	hyper	CHH	0.0404
Gm05	35286005	35286591	Gmdrm	hyper	CHH	0.0244
Gm05	35306136	35307109	Gmdrm	hyper	CHH	0.0146
Gm05	35309840	35309947	Gmdrm	hyper	CHH	0.098
Gm05	35387328	35388322	Gmdrm	hyper	CHH	0.0279
Gm05	35412674	35413661	Gmdrm	hyper	CHH	0.0155
Gm05	35417190	35418128	Gmdrm	hyper	CHH	0.0127
Gm05	35450942	35451246	Gmdrm	hyper	CHH	0.0575
Gm05	35462775	35463753	Gmdrm	hyper	CHH	0.0131
Gm05	35479611	35480592	Gmdrm	hyper	CHH	0.0124
Gm05	35480625	35481616	Gmdrm	hyper	CHH	0.0173
Gm05	35482700	35483671	Gmdrm	hyper	CHH	0.0445
Gm05	35498109	35499045	Gmdrm	hyper	CHH	0.0158
Gm05	35500147	35500788	Gmdrm	hyper	CHH	0.026
Gm05	35540000	35540086	Gmdrm	hyper	CHH	0.0233
Gm05	35554776	35555773	Gmdrm	hyper	CHH	0.0177
Gm05	35567644	35567750	Gmdrm	hyper	CHH	0.0671
Gm05	35569820	35570816	Gmdrm	hyper	CHH	0.0257
Gm05	35606255	35606339	Gmdrm	hyper	CHH	0.048
Gm05	35713544	35714293	Gmdrm	hyper	CHH	0.04
Gm05	35718135	35719123	Gmdrm	hyper	CHH	0.0187
Gm05	35726906	35727010	Gmdrm	hyper	CHH	0.078
Gm05	35752256	35753205	Gmdrm	hyper	CHH	0.014
Gm05	35791601	35792449	Gmdrm	hyper	CHH	0.0181
Gm05	35800751	35801134	Gmdrm	hyper	CHH	0.095
Gm05	35860557	35861535	Gmdrm	hyper	CHH	0.0117
Gm05	35864231	35865230	Gmdrm	hyper	CHH	0.0187
Gm05	35877641	35878629	Gmdrm	hyper	CHH	0.0417
Gm05	35884024	35885014	Gmdrm	hyper	CHH	0.0295
Gm05	35965846	35966842	Gmdrm	hyper	CHH	0.0143
Gm05	36007089	36007890	Gmdrm	hyper	CHH	0.0138
Gm05	36029374	36030369	Gmdrm	hyper	CHH	0.0186
Gm05	36073960	36074948	Gmdrm	hyper	CHH	0.0153
Gm05	36085761	36086740	Gmdrm	hyper	CHH	0.0212
Gm05	36110850	36110972	Gmdrm	hyper	CHH	0.054
Gm05	36121362	36122348	Gmdrm	hyper	CHH	0.0216

Gm05	36252291	36253280	Gmdrm	hyper	CHH	0.0222
Gm05	36261555	36262131	Gmdrm	hyper	CHH	0.0381
Gm05	36264696	36265655	Gmdrm	hyper	CHH	0.0193
Gm05	36341931	36342340	Gmdrm	hyper	CHH	0.0477
Gm05	36384281	36385270	Gmdrm	hyper	CHH	0.0378
Gm05	36392540	36393534	Gmdrm	hyper	CHH	0.021
Gm05	36404583	36405556	Gmdrm	hyper	CHH	0.0371
Gm05	36416524	36416600	Gmdrm	hyper	CHH	0.158
Gm05	36468281	36469281	Gmdrm	hyper	CHH	0.0134
Gm05	36507889	36508885	Gmdrm	hyper	CHH	0.0232
Gm05	36524956	36525930	Gmdrm	hyper	CHH	0.0204
Gm05	36537125	36538118	Gmdrm	hyper	CHH	0.0173
Gm05	36570801	36571131	Gmdrm	hyper	CHH	0.0265
Gm05	36587001	36587986	Gmdrm	hyper	CHH	0.0173
Gm05	36594977	36595970	Gmdrm	hyper	CHH	0.0214
Gm05	36660004	36660982	Gmdrm	hyper	CHH	0.0131
Gm05	36685220	36686216	Gmdrm	hyper	CHH	0.0336
Gm05	36713734	36714711	Gmdrm	hyper	CHH	0.017
Gm05	36737141	36738135	Gmdrm	hyper	CHH	0.0223
Gm05	36777060	36778057	Gmdrm	hyper	CHH	0.0221
Gm05	36778080	36779061	Gmdrm	hyper	CHH	0.0202
Gm05	36788236	36788751	Gmdrm	hyper	CHH	0.0325
Gm05	36796082	36797063	Gmdrm	hyper	CHH	0.0146
Gm05	36800121	36801119	Gmdrm	hyper	CHH	0.0118
Gm05	36801131	36802124	Gmdrm	hyper	CHH	0.0138
Gm05	36865570	36866561	Gmdrm	hyper	CHH	0.0316
Gm05	36866577	36866779	Gmdrm	hyper	CHH	0.0393
Gm05	36878561	36879240	Gmdrm	hyper	CHH	0.0185
Gm05	36906449	36906687	Gmdrm	hyper	CHH	0.0216
Gm05	36954089	36955075	Gmdrm	hyper	CHH	0.014
Gm05	36994796	36995769	Gmdrm	hyper	CHH	0.0359
Gm05	36998268	36999251	Gmdrm	hyper	CHH	0.0357
Gm05	37021490	37021964	Gmdrm	hyper	CHH	0.0286
Gm05	37050554	37050868	Gmdrm	hyper	CHH	0.0242
Gm05	37060829	37061018	Gmdrm	hyper	CHH	0.0522
Gm05	37090214	37091195	Gmdrm	hyper	CHH	0.0118
Gm05	37119037	37120029	Gmdrm	hyper	CHH	0.0125
Gm05	37122670	37123508	Gmdrm	hyper	CHH	0.0242
Gm05	37136885	37137870	Gmdrm	hyper	CHH	0.0247
Gm05	37144541	37145532	Gmdrm	hyper	CHH	0.0209
Gm05	37170672	37171642	Gmdrm	hyper	CHH	0.0356
Gm05	37176427	37176511	Gmdrm	hyper	CHH	0.0857
Gm05	37210368	37210392	Gmdrm	hyper	CHH	0.058
Gm05	37215128	37216125	Gmdrm	hyper	CHH	0.0183
Gm05	37244919	37245901	Gmdrm	hyper	CHH	0.0192
Gm05	37266817	37267325	Gmdrm	hyper	CHH	0.0248

Gm05	37305778	37306763	Gmdrm	hyper	CHH	0.0198
Gm05	37324744	37325159	Gmdrm	hyper	CHH	0.0425
Gm05	37483541	37484536	Gmdrm	hyper	CHH	0.0531
Gm05	37489575	37489711	Gmdrm	hyper	CHH	0.0358
Gm05	37496142	37497111	Gmdrm	hyper	CHH	0.0344
Gm05	37506182	37507168	Gmdrm	hyper	CHH	0.0241
Gm05	37563757	37564730	Gmdrm	hyper	CHH	0.0172
Gm05	37578567	37579567	Gmdrm	hyper	CHH	0.0198
Gm05	37602978	37603970	Gmdrm	hyper	CHH	0.0158
Gm05	37605860	37606790	Gmdrm	hyper	CHH	0.0223
Gm05	37647884	37648642	Gmdrm	hyper	CHH	0.0229
Gm05	37662996	37663682	Gmdrm	hyper	CHH	0.0294
Gm05	37683438	37684114	Gmdrm	hyper	CHH	0.0214
Gm05	37720633	37720854	Gmdrm	hyper	CHH	0.0856
Gm05	37725783	37726761	Gmdrm	hyper	CHH	0.022
Gm05	37783514	37784356	Gmdrm	hyper	CHH	0.027
Gm05	37788888	37789874	Gmdrm	hyper	CHH	0.027
Gm05	37804785	37805785	Gmdrm	hyper	CHH	0.0289
Gm05	37810295	37811292	Gmdrm	hyper	CHH	0.0158
Gm05	37856368	37857366	Gmdrm	hyper	CHH	0.0166
Gm05	37903011	37904010	Gmdrm	hyper	CHH	0.0206
Gm05	37908300	37908413	Gmdrm	hyper	CHH	0.044
Gm05	37988559	37989554	Gmdrm	hyper	CHH	0.0175
Gm05	37989562	37990086	Gmdrm	hyper	CHH	0.0259
Gm05	38018879	38019878	Gmdrm	hyper	CHH	0.0203
Gm05	38084291	38084551	Gmdrm	hyper	CHH	0.0257
Gm05	38097390	38098367	Gmdrm	hyper	CHH	0.0132
Gm05	38100626	38101606	Gmdrm	hyper	CHH	0.0152
Gm05	38184595	38185080	Gmdrm	hyper	CHH	0.0377
Gm05	38193569	38194000	Gmdrm	hyper	CHH	0.0249
Gm05	38293057	38294055	Gmdrm	hyper	CHH	0.0156
Gm05	38317475	38317785	Gmdrm	hyper	CHH	0.0408
Gm05	38348928	38349656	Gmdrm	hyper	CHH	0.0176
Gm05	38374127	38374883	Gmdrm	hyper	CHH	0.0279
Gm05	38378064	38378516	Gmdrm	hyper	CHH	0.04
Gm05	38431173	38432148	Gmdrm	hyper	CHH	0.0206
Gm05	38447532	38448513	Gmdrm	hyper	CHH	0.0171
Gm05	38450589	38451357	Gmdrm	hyper	CHH	0.0147
Gm05	38500897	38501872	Gmdrm	hyper	CHH	0.0226
Gm05	38501944	38502064	Gmdrm	hyper	CHH	0.0766
Gm05	38531554	38532544	Gmdrm	hyper	CHH	0.0142
Gm05	38539953	38540285	Gmdrm	hyper	CHH	0.0294
Gm05	38577539	38578532	Gmdrm	hyper	CHH	0.0208
Gm05	38616753	38617648	Gmdrm	hyper	CHH	0.0109
Gm05	38625503	38625814	Gmdrm	hyper	CHH	0.0577
Gm05	38686582	38687580	Gmdrm	hyper	CHH	0.0105

Gm05	38737855	38738585	Gmdrm	hyper	CHH	0.0473
Gm05	38764207	38765176	Gmdrm	hyper	CHH	0.0241
Gm05	38895238	38895488	Gmdrm	hyper	CHH	0.0476
Gm05	38904554	38905553	Gmdrm	hyper	CHH	0.0181
Gm05	38946111	38946586	Gmdrm	hyper	CHH	0.0374
Gm05	38948871	38949864	Gmdrm	hyper	CHH	0.0255
Gm05	38990258	38990990	Gmdrm	hyper	CHH	0.0323
Gm05	38996783	38996875	Gmdrm	hyper	CHH	0.096
Gm05	39018021	39019016	Gmdrm	hyper	CHH	0.0258
Gm05	39025605	39026174	Gmdrm	hyper	CHH	0.0451
Gm05	39031777	39032768	Gmdrm	hyper	CHH	0.0156
Gm05	39038413	39038631	Gmdrm	hyper	CHH	0.014
Gm05	39145832	39146650	Gmdrm	hyper	CHH	0.0204
Gm05	39149106	39149537	Gmdrm	hyper	CHH	0.0249
Gm05	39169506	39170505	Gmdrm	hyper	CHH	0.0205
Gm05	39232559	39232729	Gmdrm	hyper	CHH	0.072
Gm05	39246083	39246528	Gmdrm	hyper	CHH	0.0187
Gm05	39285449	39286427	Gmdrm	hyper	CHH	0.0348
Gm05	39287620	39287895	Gmdrm	hyper	CHH	0.1325
Gm05	39349073	39350031	Gmdrm	hyper	CHH	0.0208
Gm05	39400590	39400856	Gmdrm	hyper	CHH	0.0534
Gm05	39526698	39526797	Gmdrm	hyper	CHH	0.048
Gm05	39528395	39528477	Gmdrm	hyper	CHH	0.0817
Gm05	39549577	39550575	Gmdrm	hyper	CHH	0.0249
Gm05	39726203	39726616	Gmdrm	hyper	CHH	0.0322
Gm05	39793167	39794158	Gmdrm	hyper	CHH	0.0367
Gm05	39802908	39803888	Gmdrm	hyper	CHH	0.021
Gm05	39854296	39855273	Gmdrm	hyper	CHH	0.014
Gm05	39891088	39892088	Gmdrm	hyper	CHH	0.0194
Gm05	39898071	39898450	Gmdrm	hyper	CHH	0.0223
Gm05	39971291	39972279	Gmdrm	hyper	CHH	0.0178
Gm05	39993239	39994234	Gmdrm	hyper	CHH	0.0221
Gm05	40007036	40008033	Gmdrm	hyper	CHH	0.027
Gm05	40075017	40075987	Gmdrm	hyper	CHH	0.0381
Gm05	40123342	40123651	Gmdrm	hyper	CHH	0.0463
Gm05	40168779	40169758	Gmdrm	hyper	CHH	0.0188
Gm05	40207088	40208087	Gmdrm	hyper	CHH	0.0165
Gm05	40224996	40225985	Gmdrm	hyper	CHH	0.0434
Gm05	40251990	40252960	Gmdrm	hyper	CHH	0.0148
Gm05	40257317	40257444	Gmdrm	hyper	CHH	0.0425
Gm05	40271122	40272106	Gmdrm	hyper	CHH	0.0194
Gm05	40403497	40404473	Gmdrm	hyper	CHH	0.0218
Gm05	40431392	40432391	Gmdrm	hyper	CHH	0.02
Gm05	40439960	40440952	Gmdrm	hyper	CHH	0.0193
Gm05	40466442	40466762	Gmdrm	hyper	CHH	0.0277
Gm05	40466887	40467485	Gmdrm	hyper	CHH	0.0267

Gm05	40469705	40470690	Gmdrm	hyper	CHH	0.0161
Gm05	40485339	40486332	Gmdrm	hyper	CHH	0.0149
Gm05	40513212	40514211	Gmdrm	hyper	CHH	0.0182
Gm05	40570032	40571022	Gmdrm	hyper	CHH	0.0187
Gm05	40581776	40582762	Gmdrm	hyper	CHH	0.0193
Gm05	40647921	40648620	Gmdrm	hyper	CHH	0.0518
Gm05	40717757	40718739	Gmdrm	hyper	CHH	0.0202
Gm05	40729964	40730623	Gmdrm	hyper	CHH	0.0179
Gm05	40735206	40735385	Gmdrm	hyper	CHH	0.105
Gm05	40775800	40776779	Gmdrm	hyper	CHH	0.0285
Gm05	40804444	40805428	Gmdrm	hyper	CHH	0.0218
Gm05	40819418	40819727	Gmdrm	hyper	CHH	0.0475
Gm05	40860639	40861636	Gmdrm	hyper	CHH	0.0096
Gm05	40864053	40864801	Gmdrm	hyper	CHH	0.0231
Gm05	40896819	40897799	Gmdrm	hyper	CHH	0.0174
Gm05	40915881	40916877	Gmdrm	hyper	CHH	0.0193
Gm05	40980990	40981979	Gmdrm	hyper	CHH	0.0286
Gm05	41220949	41221942	Gmdrm	hyper	CHH	0.016
Gm05	41250968	41251965	Gmdrm	hyper	CHH	0.0167
Gm05	41258339	41259318	Gmdrm	hyper	CHH	0.0163
Gm05	41261363	41262362	Gmdrm	hyper	CHH	0.0105
Gm05	41347829	41348793	Gmdrm	hyper	CHH	0.027
Gm05	41355230	41355661	Gmdrm	hyper	CHH	0.0295
Gm05	41405709	41406697	Gmdrm	hyper	CHH	0.0147
Gm05	41511167	41511964	Gmdrm	hyper	CHH	0.0376
Gm05	41517926	41518680	Gmdrm	hyper	CHH	0.0874
Gm05	41525803	41526496	Gmdrm	hyper	CHH	0.0154
Gm05	41535901	41536045	Gmdrm	hyper	CHH	0.116
Gm05	41616992	41617353	Gmdrm	hyper	CHH	0.057
Gm05	41642335	41643300	Gmdrm	hyper	CHH	0.0261
Gm05	41702884	41703455	Gmdrm	hyper	CHH	0.0312
Gm05	41707083	41707297	Gmdrm	hyper	CHH	0.0636
Gm05	41720029	41720506	Gmdrm	hyper	CHH	0.0261
Gm05	41747629	41748614	Gmdrm	hyper	CHH	0.0213
Gm05	41773425	41773516	Gmdrm	hyper	CHH	0.1129
Gm05	41812153	41813147	Gmdrm	hyper	CHH	0.0172
Gm05	41828789	41829267	Gmdrm	hyper	CHH	0.0222
Gm05	41854944	41855543	Gmdrm	hyper	CHH	0.0262
Gm05	41943840	41944837	Gmdrm	hyper	CHH	0.0202
Gm05	42038100	42039087	Gmdrm	hyper	CHH	0.0172
Gm05	42062113	42063110	Gmdrm	hyper	CHH	0.0296
Gm05	42063131	42064111	Gmdrm	hyper	CHH	0.0119
Gm05	42084550	42085138	Gmdrm	hyper	CHH	0.0288
Gm05	42145936	42146860	Gmdrm	hyper	CHH	0.0229
Gm05	42158879	42158949	Gmdrm	hyper	CHH	0.0214
Gm05	42188044	42188515	Gmdrm	hyper	CHH	0.0241

Gm05	42220786	42221392	Gmdrm	hyper	CHH	0.0289
Gm05	42227038	42227772	Gmdrm	hyper	CHH	0.0236
Gm05	42238809	42239429	Gmdrm	hyper	CHH	0.0389
Gm05	42243166	42244099	Gmdrm	hyper	CHH	0.0222
Gm05_scaffol	7949	8443	Gmdrm	hyper	CHH	0.0276
Gm05_scaffol	31818	32812	Gmdrm	hyper	CHH	0.0208
Gm05_scaffol	59991	60200	Gmdrm	hyper	CHH	0.0615
Gm06	40419	41401	Gmdrm	hyper	CHH	0.0249
Gm06	54566	55562	Gmdrm	hyper	CHH	0.0134
Gm06	116194	116384	Gmdrm	hyper	CHH	0.0294
Gm06	151976	152968	Gmdrm	hyper	CHH	0.0131
Gm06	201574	202570	Gmdrm	hyper	CHH	0.0283
Gm06	214036	215022	Gmdrm	hyper	CHH	0.0255
Gm06	245097	246086	Gmdrm	hyper	CHH	0.0134
Gm06	250463	251414	Gmdrm	hyper	CHH	0.0202
Gm06	318097	319090	Gmdrm	hyper	CHH	0.0136
Gm06	321118	322102	Gmdrm	hyper	CHH	0.0307
Gm06	347239	348233	Gmdrm	hyper	CHH	0.0234
Gm06	378820	379815	Gmdrm	hyper	CHH	0.011
Gm06	419898	420890	Gmdrm	hyper	CHH	0.0308
Gm06	510078	511069	Gmdrm	hyper	CHH	0.018
Gm06	526114	526289	Gmdrm	hyper	CHH	0.0345
Gm06	534531	535487	Gmdrm	hyper	CHH	0.019
Gm06	542648	543215	Gmdrm	hyper	CHH	0.0513
Gm06	551049	552039	Gmdrm	hyper	CHH	0.0143
Gm06	576117	577113	Gmdrm	hyper	CHH	0.0152
Gm06	585989	586985	Gmdrm	hyper	CHH	0.0147
Gm06	607026	608020	Gmdrm	hyper	CHH	0.02
Gm06	620017	620988	Gmdrm	hyper	CHH	0.0176
Gm06	631025	632007	Gmdrm	hyper	CHH	0.0295
Gm06	647898	647945	Gmdrm	hyper	CHH	0.0733
Gm06	652771	653710	Gmdrm	hyper	CHH	0.037
Gm06	681770	682769	Gmdrm	hyper	CHH	0.0194
Gm06	703789	704644	Gmdrm	hyper	CHH	0.0248
Gm06	761958	762954	Gmdrm	hyper	CHH	0.0142
Gm06	762974	763961	Gmdrm	hyper	CHH	0.0201
Gm06	838239	839232	Gmdrm	hyper	CHH	0.0161
Gm06	851242	852060	Gmdrm	hyper	CHH	0.0235
Gm06	975559	976524	Gmdrm	hyper	CHH	0.012
Gm06	984259	984921	Gmdrm	hyper	CHH	0.0204
Gm06	1041204	1042189	Gmdrm	hyper	CHH	0.0184
Gm06	1130903	1131884	Gmdrm	hyper	CHH	0.0124
Gm06	1140074	1141050	Gmdrm	hyper	CHH	0.0136
Gm06	1190231	1191203	Gmdrm	hyper	CHH	0.0232
Gm06	1224159	1225152	Gmdrm	hyper	CHH	0.0275
Gm06	1304920	1305916	Gmdrm	hyper	CHH	0.0227

Gm06	1317215	1317637	Gmdrm	hyper	CHH	0.0292
Gm06	1328105	1328679	Gmdrm	hyper	CHH	0.0382
Gm06	1414132	1414621	Gmdrm	hyper	CHH	0.02
Gm06	1469137	1470135	Gmdrm	hyper	CHH	0.0271
Gm06	1484669	1485637	Gmdrm	hyper	CHH	0.0285
Gm06	1545184	1545333	Gmdrm	hyper	CHH	0.0683
Gm06	1583211	1584199	Gmdrm	hyper	CHH	0.0218
Gm06	1662990	1663957	Gmdrm	hyper	CHH	0.013
Gm06	1698515	1699515	Gmdrm	hyper	CHH	0.0227
Gm06	1738214	1739109	Gmdrm	hyper	CHH	0.0273
Gm06	1776986	1777712	Gmdrm	hyper	CHH	0.0227
Gm06	1883653	1884628	Gmdrm	hyper	CHH	0.0145
Gm06	1960608	1961596	Gmdrm	hyper	CHH	0.0442
Gm06	1995940	1996940	Gmdrm	hyper	CHH	0.0299
Gm06	2005961	2006080	Gmdrm	hyper	CHH	0.12
Gm06	2009017	2009975	Gmdrm	hyper	CHH	0.022
Gm06	2010035	2011035	Gmdrm	hyper	CHH	0.0126
Gm06	2021773	2022771	Gmdrm	hyper	CHH	0.017
Gm06	2034093	2034740	Gmdrm	hyper	CHH	0.022
Gm06	2062139	2062389	Gmdrm	hyper	CHH	0.0563
Gm06	2105522	2106518	Gmdrm	hyper	CHH	0.0108
Gm06	2126646	2126719	Gmdrm	hyper	CHH	0.0583
Gm06	2263485	2264470	Gmdrm	hyper	CHH	0.0326
Gm06	2292744	2293450	Gmdrm	hyper	CHH	0.0191
Gm06	2326708	2326851	Gmdrm	hyper	CHH	0.0633
Gm06	2354477	2354904	Gmdrm	hyper	CHH	0.032
Gm06	2382398	2383385	Gmdrm	hyper	CHH	0.0306
Gm06	2405394	2405928	Gmdrm	hyper	CHH	0.0229
Gm06	2411489	2412480	Gmdrm	hyper	CHH	0.0181
Gm06	2463987	2464940	Gmdrm	hyper	CHH	0.0186
Gm06	2475186	2475457	Gmdrm	hyper	CHH	0.0357
Gm06	2502890	2503704	Gmdrm	hyper	CHH	0.0177
Gm06	2530646	2531644	Gmdrm	hyper	CHH	0.012
Gm06	2558899	2559898	Gmdrm	hyper	CHH	0.0264
Gm06	2584798	2585095	Gmdrm	hyper	CHH	0.0257
Gm06	2632281	2633281	Gmdrm	hyper	CHH	0.0209
Gm06	2741066	2741984	Gmdrm	hyper	CHH	0.0168
Gm06	2761488	2762453	Gmdrm	hyper	CHH	0.0158
Gm06	2774266	2775255	Gmdrm	hyper	CHH	0.0226
Gm06	2821831	2822819	Gmdrm	hyper	CHH	0.0304
Gm06	2827284	2827444	Gmdrm	hyper	CHH	0.04
Gm06	2828118	2828664	Gmdrm	hyper	CHH	0.0196
Gm06	2828773	2829764	Gmdrm	hyper	CHH	0.0146
Gm06	2885002	2885953	Gmdrm	hyper	CHH	0.0203
Gm06	2909414	2910386	Gmdrm	hyper	CHH	0.0315
Gm06	2913418	2913622	Gmdrm	hyper	CHH	0.0209

Gm06	2934634	2934874	Gmdrm	hyper	CHH	0.0281
Gm06	2937490	2938473	Gmdrm	hyper	CHH	0.0209
Gm06	2975635	2976593	Gmdrm	hyper	CHH	0.0216
Gm06	2985789	2986002	Gmdrm	hyper	CHH	0.0416
Gm06	3027863	3028064	Gmdrm	hyper	CHH	0.031
Gm06	3031646	3032646	Gmdrm	hyper	CHH	0.0197
Gm06	3050154	3051132	Gmdrm	hyper	CHH	0.0155
Gm06	3051438	3052272	Gmdrm	hyper	CHH	0.0275
Gm06	3063652	3064618	Gmdrm	hyper	CHH	0.0176
Gm06	3079484	3079768	Gmdrm	hyper	CHH	0.0373
Gm06	3091910	3092902	Gmdrm	hyper	CHH	0.0335
Gm06	3092921	3093008	Gmdrm	hyper	CHH	0.1514
Gm06	3133601	3134563	Gmdrm	hyper	CHH	0.0182
Gm06	3156018	3156158	Gmdrm	hyper	CHH	0.1047
Gm06	3167907	3168904	Gmdrm	hyper	CHH	0.0134
Gm06	3177266	3177651	Gmdrm	hyper	CHH	0.0202
Gm06	3197739	3197861	Gmdrm	hyper	CHH	0.0889
Gm06	3233721	3233873	Gmdrm	hyper	CHH	0.105
Gm06	3238828	3239214	Gmdrm	hyper	CHH	0.0272
Gm06	3321820	3322816	Gmdrm	hyper	CHH	0.0166
Gm06	3351192	3352175	Gmdrm	hyper	CHH	0.0172
Gm06	3371698	3372680	Gmdrm	hyper	CHH	0.0103
Gm06	3379864	3380847	Gmdrm	hyper	CHH	0.0147
Gm06	3436264	3437250	Gmdrm	hyper	CHH	0.0141
Gm06	3458788	3459783	Gmdrm	hyper	CHH	0.0189
Gm06	3483838	3484443	Gmdrm	hyper	CHH	0.0351
Gm06	3486174	3486941	Gmdrm	hyper	CHH	0.0214
Gm06	3506805	3507546	Gmdrm	hyper	CHH	0.0137
Gm06	3615495	3616488	Gmdrm	hyper	CHH	0.0162
Gm06	3629250	3630247	Gmdrm	hyper	CHH	0.0106
Gm06	3664795	3665769	Gmdrm	hyper	CHH	0.0175
Gm06	3670010	3670962	Gmdrm	hyper	CHH	0.0201
Gm06	3730481	3731473	Gmdrm	hyper	CHH	0.0134
Gm06	3742267	3742700	Gmdrm	hyper	CHH	0.0236
Gm06	3745572	3746313	Gmdrm	hyper	CHH	0.0416
Gm06	3767839	3768016	Gmdrm	hyper	CHH	0.0938
Gm06	3799339	3799645	Gmdrm	hyper	CHH	0.0216
Gm06	3859857	3860776	Gmdrm	hyper	CHH	0.0269
Gm06	3872826	3873811	Gmdrm	hyper	CHH	0.016
Gm06	3875873	3876551	Gmdrm	hyper	CHH	0.0418
Gm06	3889119	3890104	Gmdrm	hyper	CHH	0.0172
Gm06	3941593	3941663	Gmdrm	hyper	CHH	0.0363
Gm06	3969031	3969303	Gmdrm	hyper	CHH	0.0279
Gm06	4077658	4078174	Gmdrm	hyper	CHH	0.023
Gm06	4136413	4137146	Gmdrm	hyper	CHH	0.0191
Gm06	4139667	4140649	Gmdrm	hyper	CHH	0.0292

Gm06	4272394	4273109	Gmdrm	hyper	CHH	0.0366
Gm06	4277114	4277444	Gmdrm	hyper	CHH	0.0377
Gm06	4287034	4288027	Gmdrm	hyper	CHH	0.0306
Gm06	4298369	4298623	Gmdrm	hyper	CHH	0.0942
Gm06	4399207	4399509	Gmdrm	hyper	CHH	0.026
Gm06	4402174	4403174	Gmdrm	hyper	CHH	0.0647
Gm06	4415480	4416452	Gmdrm	hyper	CHH	0.0235
Gm06	4484171	4485165	Gmdrm	hyper	CHH	0.0169
Gm06	4566919	4567305	Gmdrm	hyper	CHH	0.0334
Gm06	4590604	4591588	Gmdrm	hyper	CHH	0.0152
Gm06	4594269	4595235	Gmdrm	hyper	CHH	0.0173
Gm06	4602384	4603382	Gmdrm	hyper	CHH	0.0111
Gm06	4615968	4616041	Gmdrm	hyper	CHH	0.1381
Gm06	4616154	4616229	Gmdrm	hyper	CHH	0.04
Gm06	4617874	4618652	Gmdrm	hyper	CHH	0.0474
Gm06	4628800	4629728	Gmdrm	hyper	CHH	0.0239
Gm06	4648265	4649249	Gmdrm	hyper	CHH	0.0123
Gm06	4670187	4671186	Gmdrm	hyper	CHH	0.0131
Gm06	4704387	4705381	Gmdrm	hyper	CHH	0.0588
Gm06	4714420	4714591	Gmdrm	hyper	CHH	0.0427
Gm06	4724356	4724973	Gmdrm	hyper	CHH	0.0408
Gm06	4729885	4730567	Gmdrm	hyper	CHH	0.0248
Gm06	4769279	4770217	Gmdrm	hyper	CHH	0.0205
Gm06	4833676	4833734	Gmdrm	hyper	CHH	0.158
Gm06	4840065	4841064	Gmdrm	hyper	CHH	0.0109
Gm06	4874094	4874562	Gmdrm	hyper	CHH	0.0233
Gm06	4902759	4903751	Gmdrm	hyper	CHH	0.0159
Gm06	4919204	4920187	Gmdrm	hyper	CHH	0.0233
Gm06	4941609	4941824	Gmdrm	hyper	CHH	0.0344
Gm06	4956109	4956352	Gmdrm	hyper	CHH	0.0791
Gm06	4987905	4988904	Gmdrm	hyper	CHH	0.0084
Gm06	5091575	5092575	Gmdrm	hyper	CHH	0.0232
Gm06	5116218	5117172	Gmdrm	hyper	CHH	0.0122
Gm06	5215377	5216347	Gmdrm	hyper	CHH	0.0138
Gm06	5256211	5257191	Gmdrm	hyper	CHH	0.0126
Gm06	5305658	5306180	Gmdrm	hyper	CHH	0.0171
Gm06	5396770	5397755	Gmdrm	hyper	CHH	0.0192
Gm06	5398785	5398966	Gmdrm	hyper	CHH	0.045
Gm06	5413073	5413549	Gmdrm	hyper	CHH	0.0296
Gm06	5505349	5505414	Gmdrm	hyper	CHH	0.0975
Gm06	5531406	5532367	Gmdrm	hyper	CHH	0.0116
Gm06	5594795	5595785	Gmdrm	hyper	CHH	0.0194
Gm06	5659178	5659754	Gmdrm	hyper	CHH	0.03
Gm06	5675162	5676162	Gmdrm	hyper	CHH	0.0373
Gm06	5678180	5678614	Gmdrm	hyper	CHH	0.0331
Gm06	5680839	5681032	Gmdrm	hyper	CHH	0.0263

Gm06	5696313	5697297	Gmdrm	hyper	CHH	0.0337
Gm06	5705686	5706048	Gmdrm	hyper	CHH	0.0709
Gm06	5863829	5863988	Gmdrm	hyper	CHH	0.0425
Gm06	5919870	5920857	Gmdrm	hyper	CHH	0.0211
Gm06	5985370	5985832	Gmdrm	hyper	CHH	0.0312
Gm06	6016516	6017513	Gmdrm	hyper	CHH	0.0498
Gm06	6025325	6026317	Gmdrm	hyper	CHH	0.0488
Gm06	6051997	6052991	Gmdrm	hyper	CHH	0.0211
Gm06	6113967	6114633	Gmdrm	hyper	CHH	0.0212
Gm06	6117082	6118024	Gmdrm	hyper	CHH	0.0149
Gm06	6129993	6130521	Gmdrm	hyper	CHH	0.0261
Gm06	6132746	6133744	Gmdrm	hyper	CHH	0.0188
Gm06	6222119	6223091	Gmdrm	hyper	CHH	0.0137
Gm06	6264876	6265100	Gmdrm	hyper	CHH	0.0317
Gm06	6275448	6276446	Gmdrm	hyper	CHH	0.0147
Gm06	6284202	6285198	Gmdrm	hyper	CHH	0.0255
Gm06	6314428	6314944	Gmdrm	hyper	CHH	0.0461
Gm06	6330278	6331278	Gmdrm	hyper	CHH	0.0285
Gm06	6376037	6377010	Gmdrm	hyper	CHH	0.0194
Gm06	6393825	6394363	Gmdrm	hyper	CHH	0.022
Gm06	6409624	6409869	Gmdrm	hyper	CHH	0.0309
Gm06	6613763	6614723	Gmdrm	hyper	CHH	0.0205
Gm06	6644625	6645625	Gmdrm	hyper	CHH	0.0171
Gm06	6723561	6724041	Gmdrm	hyper	CHH	0.044
Gm06	6831043	6831987	Gmdrm	hyper	CHH	0.0154
Gm06	6861788	6862787	Gmdrm	hyper	CHH	0.0546
Gm06	6881051	6881241	Gmdrm	hyper	CHH	0.1082
Gm06	6910378	6911367	Gmdrm	hyper	CHH	0.0127
Gm06	6915360	6915934	Gmdrm	hyper	CHH	0.0203
Gm06	6923884	6924868	Gmdrm	hyper	CHH	0.0158
Gm06	6978258	6979238	Gmdrm	hyper	CHH	0.0267
Gm06	7012698	7013664	Gmdrm	hyper	CHH	0.0158
Gm06	7023192	7023628	Gmdrm	hyper	CHH	0.0253
Gm06	7052552	7053544	Gmdrm	hyper	CHH	0.0116
Gm06	7073004	7074001	Gmdrm	hyper	CHH	0.018
Gm06	7077369	7078323	Gmdrm	hyper	CHH	0.0255
Gm06	7098559	7099557	Gmdrm	hyper	CHH	0.0202
Gm06	7099564	7100557	Gmdrm	hyper	CHH	0.0244
Gm06	7101585	7102569	Gmdrm	hyper	CHH	0.0187
Gm06	7104797	7104985	Gmdrm	hyper	CHH	0.048
Gm06	7129847	7130845	Gmdrm	hyper	CHH	0.0229
Gm06	7165052	7165148	Gmdrm	hyper	CHH	0.0617
Gm06	7178299	7179297	Gmdrm	hyper	CHH	0.0148
Gm06	7194185	7194457	Gmdrm	hyper	CHH	0.0559
Gm06	7205640	7206633	Gmdrm	hyper	CHH	0.0163
Gm06	7256533	7257532	Gmdrm	hyper	CHH	0.0115

Gm06	7289719	7290702	Gmdrm	hyper	CHH	0.012
Gm06	7309187	7309702	Gmdrm	hyper	CHH	0.0304
Gm06	7359868	7360813	Gmdrm	hyper	CHH	0.017
Gm06	7485863	7486088	Gmdrm	hyper	CHH	0.0885
Gm06	7500889	7500916	Gmdrm	hyper	CHH	0.1143
Gm06	7501666	7501985	Gmdrm	hyper	CHH	0.0687
Gm06	7565759	7566756	Gmdrm	hyper	CHH	0.0142
Gm06	7566772	7567741	Gmdrm	hyper	CHH	0.0209
Gm06	7625263	7626027	Gmdrm	hyper	CHH	0.0243
Gm06	7633678	7634675	Gmdrm	hyper	CHH	0.1278
Gm06	7635577	7636575	Gmdrm	hyper	CHH	0.0847
Gm06	7645767	7646767	Gmdrm	hyper	CHH	0.0229
Gm06	7647126	7648123	Gmdrm	hyper	CHH	0.0159
Gm06	7674528	7675381	Gmdrm	hyper	CHH	0.0134
Gm06	7704272	7705270	Gmdrm	hyper	CHH	0.0261
Gm06	7746920	7747814	Gmdrm	hyper	CHH	0.0211
Gm06	7845252	7846252	Gmdrm	hyper	CHH	0.0266
Gm06	7870631	7870873	Gmdrm	hyper	CHH	0.0275
Gm06	7898700	7899698	Gmdrm	hyper	CHH	0.0235
Gm06	7958801	7959795	Gmdrm	hyper	CHH	0.0181
Gm06	7963637	7964395	Gmdrm	hyper	CHH	0.0296
Gm06	8004985	8005984	Gmdrm	hyper	CHH	0.0278
Gm06	8037161	8037830	Gmdrm	hyper	CHH	0.0257
Gm06	8046692	8047675	Gmdrm	hyper	CHH	0.0151
Gm06	8061889	8062876	Gmdrm	hyper	CHH	0.03
Gm06	8086373	8086977	Gmdrm	hyper	CHH	0.0166
Gm06	8190128	8191126	Gmdrm	hyper	CHH	0.0335
Gm06	8229987	8230654	Gmdrm	hyper	CHH	0.0114
Gm06	8259697	8260687	Gmdrm	hyper	CHH	0.0159
Gm06	8276386	8277368	Gmdrm	hyper	CHH	0.0167
Gm06	8291604	8292588	Gmdrm	hyper	CHH	0.0258
Gm06	8300195	8301191	Gmdrm	hyper	CHH	0.0184
Gm06	8301211	8302198	Gmdrm	hyper	CHH	0.0214
Gm06	8336901	8337887	Gmdrm	hyper	CHH	0.0162
Gm06	8377459	8378457	Gmdrm	hyper	CHH	0.0313
Gm06	8378460	8379459	Gmdrm	hyper	CHH	0.0321
Gm06	8431248	8432229	Gmdrm	hyper	CHH	0.0282
Gm06	8597274	8597585	Gmdrm	hyper	CHH	0.1054
Gm06	8610462	8611462	Gmdrm	hyper	CHH	0.0189
Gm06	8611486	8612318	Gmdrm	hyper	CHH	0.0326
Gm06	8632374	8633368	Gmdrm	hyper	CHH	0.0241
Gm06	8661637	8662449	Gmdrm	hyper	CHH	0.015
Gm06	8690951	8691947	Gmdrm	hyper	CHH	0.0164
Gm06	8698720	8699694	Gmdrm	hyper	CHH	0.0189
Gm06	8706716	8707710	Gmdrm	hyper	CHH	0.014
Gm06	8826544	8827522	Gmdrm	hyper	CHH	0.0138

Gm06	8834859	8835818	Gmdrm	hyper	CHH	0.0139
Gm06	8866566	8867536	Gmdrm	hyper	CHH	0.0377
Gm06	8877315	8878203	Gmdrm	hyper	CHH	0.0246
Gm06	8881681	8882128	Gmdrm	hyper	CHH	0.0289
Gm06	8905383	8905408	Gmdrm	hyper	CHH	0.056
Gm06	8907001	8907357	Gmdrm	hyper	CHH	0.0517
Gm06	8946193	8946952	Gmdrm	hyper	CHH	0.0184
Gm06	8959676	8960662	Gmdrm	hyper	CHH	0.0131
Gm06	8966688	8966910	Gmdrm	hyper	CHH	0.0346
Gm06	8980744	8981576	Gmdrm	hyper	CHH	0.0339
Gm06	8992499	8993470	Gmdrm	hyper	CHH	0.0384
Gm06	8994566	8995545	Gmdrm	hyper	CHH	0.0192
Gm06	9066495	9067479	Gmdrm	hyper	CHH	0.0142
Gm06	9110415	9111355	Gmdrm	hyper	CHH	0.015
Gm06	9112870	9113856	Gmdrm	hyper	CHH	0.0216
Gm06	9150289	9150460	Gmdrm	hyper	CHH	0.0345
Gm06	9210864	9211766	Gmdrm	hyper	CHH	0.0337
Gm06	9239938	9240002	Gmdrm	hyper	CHH	0.05
Gm06	9268642	9269583	Gmdrm	hyper	CHH	0.013
Gm06	9287021	9287996	Gmdrm	hyper	CHH	0.0181
Gm06	9291373	9292349	Gmdrm	hyper	CHH	0.0285
Gm06	9306142	9306497	Gmdrm	hyper	CHH	0.0489
Gm06	9347405	9347931	Gmdrm	hyper	CHH	0.0332
Gm06	9399554	9400550	Gmdrm	hyper	CHH	0.0327
Gm06	9400565	9400893	Gmdrm	hyper	CHH	0.0533
Gm06	9425853	9426324	Gmdrm	hyper	CHH	0.0467
Gm06	9448935	9449884	Gmdrm	hyper	CHH	0.0221
Gm06	9453021	9454021	Gmdrm	hyper	CHH	0.026
Gm06	9556178	9556608	Gmdrm	hyper	CHH	0.0177
Gm06	9600775	9601754	Gmdrm	hyper	CHH	0.0105
Gm06	9621692	9622682	Gmdrm	hyper	CHH	0.0212
Gm06	9651550	9652176	Gmdrm	hyper	CHH	0.0168
Gm06	9735351	9735729	Gmdrm	hyper	CHH	0.0506
Gm06	9760693	9761691	Gmdrm	hyper	CHH	0.0158
Gm06	9766328	9766907	Gmdrm	hyper	CHH	0.0218
Gm06	9825318	9826310	Gmdrm	hyper	CHH	0.0143
Gm06	9836595	9837414	Gmdrm	hyper	CHH	0.0299
Gm06	9853620	9853970	Gmdrm	hyper	CHH	0.0205
Gm06	9862163	9862902	Gmdrm	hyper	CHH	0.0221
Gm06	9863043	9863236	Gmdrm	hyper	CHH	0.0475
Gm06	9887255	9888202	Gmdrm	hyper	CHH	0.0207
Gm06	9899000	9899994	Gmdrm	hyper	CHH	0.0166
Gm06	9900009	9900942	Gmdrm	hyper	CHH	0.0201
Gm06	9955173	9956151	Gmdrm	hyper	CHH	0.0196
Gm06	10000594	10001561	Gmdrm	hyper	CHH	0.0149
Gm06	10009928	10010101	Gmdrm	hyper	CHH	0.0533

Gm06	10010209	10010527	Gmdrm	hyper	CHH	0.0195
Gm06	10014729	10015728	Gmdrm	hyper	CHH	0.0154
Gm06	10021757	10022753	Gmdrm	hyper	CHH	0.0122
Gm06	10076787	10077783	Gmdrm	hyper	CHH	0.0119
Gm06	10176704	10177696	Gmdrm	hyper	CHH	0.0226
Gm06	10193313	10193823	Gmdrm	hyper	CHH	0.0328
Gm06	10274280	10274392	Gmdrm	hyper	CHH	0.0323
Gm06	10292329	10293327	Gmdrm	hyper	CHH	0.0222
Gm06	10336259	10336479	Gmdrm	hyper	CHH	0.061
Gm06	10346939	10347936	Gmdrm	hyper	CHH	0.0208
Gm06	10369441	10370432	Gmdrm	hyper	CHH	0.0138
Gm06	10370815	10371127	Gmdrm	hyper	CHH	0.0627
Gm06	10418215	10418450	Gmdrm	hyper	CHH	0.0345
Gm06	10466756	10467124	Gmdrm	hyper	CHH	0.0389
Gm06	10478795	10479792	Gmdrm	hyper	CHH	0.0256
Gm06	10554479	10554970	Gmdrm	hyper	CHH	0.0208
Gm06	10568457	10568897	Gmdrm	hyper	CHH	0.0521
Gm06	10575878	10576412	Gmdrm	hyper	CHH	0.0368
Gm06	10581157	10581496	Gmdrm	hyper	CHH	0.0322
Gm06	10584217	10585207	Gmdrm	hyper	CHH	0.02
Gm06	10587518	10587831	Gmdrm	hyper	CHH	0.0255
Gm06	10612103	10613103	Gmdrm	hyper	CHH	0.0217
Gm06	10660355	10661336	Gmdrm	hyper	CHH	0.0193
Gm06	10700253	10701249	Gmdrm	hyper	CHH	0.0284
Gm06	10706510	10707496	Gmdrm	hyper	CHH	0.0103
Gm06	10714683	10715666	Gmdrm	hyper	CHH	0.0123
Gm06	10733437	10734429	Gmdrm	hyper	CHH	0.0273
Gm06	10812354	10812998	Gmdrm	hyper	CHH	0.0221
Gm06	10815329	10816327	Gmdrm	hyper	CHH	0.0281
Gm06	10859070	10859884	Gmdrm	hyper	CHH	0.0206
Gm06	10883811	10884798	Gmdrm	hyper	CHH	0.013
Gm06	10934699	10935684	Gmdrm	hyper	CHH	0.0117
Gm06	10959143	10959696	Gmdrm	hyper	CHH	0.0158
Gm06	10982204	10983183	Gmdrm	hyper	CHH	0.0234
Gm06	11035017	11036014	Gmdrm	hyper	CHH	0.0197
Gm06	11046839	11047020	Gmdrm	hyper	CHH	0.0353
Gm06	11106802	11107800	Gmdrm	hyper	CHH	0.0567
Gm06	11118237	11119235	Gmdrm	hyper	CHH	0.0209
Gm06	11155271	11156268	Gmdrm	hyper	CHH	0.0299
Gm06	11194337	11194396	Gmdrm	hyper	CHH	0.0567
Gm06	11236294	11237273	Gmdrm	hyper	CHH	0.0159
Gm06	11293640	11294623	Gmdrm	hyper	CHH	0.0129
Gm06	11295506	11296492	Gmdrm	hyper	CHH	0.0248
Gm06	11298831	11299823	Gmdrm	hyper	CHH	0.0139
Gm06	11317522	11318521	Gmdrm	hyper	CHH	0.0204
Gm06	11356537	11357535	Gmdrm	hyper	CHH	0.0152

Gm06	11431040	11432031	Gmdrm	hyper	CHH	0.0124
Gm06	11478402	11479394	Gmdrm	hyper	CHH	0.0479
Gm06	11488799	11488909	Gmdrm	hyper	CHH	0.0871
Gm06	11516368	11517325	Gmdrm	hyper	CHH	0.014
Gm06	11547142	11548090	Gmdrm	hyper	CHH	0.0352
Gm06	11585954	11586952	Gmdrm	hyper	CHH	0.0268
Gm06	11592066	11592346	Gmdrm	hyper	CHH	0.0678
Gm06	11704188	11705179	Gmdrm	hyper	CHH	0.0131
Gm06	11727216	11728201	Gmdrm	hyper	CHH	0.0138
Gm06	11738332	11739296	Gmdrm	hyper	CHH	0.0147
Gm06	11780188	11781188	Gmdrm	hyper	CHH	0.0253
Gm06	11788526	11789520	Gmdrm	hyper	CHH	0.0284
Gm06	11790614	11791582	Gmdrm	hyper	CHH	0.0291
Gm06	11807023	11807354	Gmdrm	hyper	CHH	0.0251
Gm06	11847957	11848936	Gmdrm	hyper	CHH	0.0202
Gm06	11874331	11875312	Gmdrm	hyper	CHH	0.0173
Gm06	11879484	11880213	Gmdrm	hyper	CHH	0.0221
Gm06	11884764	11885760	Gmdrm	hyper	CHH	0.0225
Gm06	11888909	11889907	Gmdrm	hyper	CHH	0.0135
Gm06	11938144	11939133	Gmdrm	hyper	CHH	0.0685
Gm06	12176778	12177726	Gmdrm	hyper	CHH	0.0224
Gm06	12186502	12187058	Gmdrm	hyper	CHH	0.0388
Gm06	12197547	12198544	Gmdrm	hyper	CHH	0.0159
Gm06	12205661	12205921	Gmdrm	hyper	CHH	0.0475
Gm06	12220184	12220814	Gmdrm	hyper	CHH	0.0243
Gm06	12299606	12299634	Gmdrm	hyper	CHH	0.036
Gm06	12335524	12336523	Gmdrm	hyper	CHH	0.0473
Gm06	12354563	12355563	Gmdrm	hyper	CHH	0.026
Gm06	12369373	12370034	Gmdrm	hyper	CHH	0.0151
Gm06	12382262	12382507	Gmdrm	hyper	CHH	0.0508
Gm06	12419156	12419762	Gmdrm	hyper	CHH	0.0811
Gm06	12423935	12424928	Gmdrm	hyper	CHH	0.0219
Gm06	12439625	12439777	Gmdrm	hyper	CHH	0.0167
Gm06	12450295	12451283	Gmdrm	hyper	CHH	0.0295
Gm06	12496705	12497690	Gmdrm	hyper	CHH	0.0163
Gm06	12513210	12513624	Gmdrm	hyper	CHH	0.0457
Gm06	12574066	12575064	Gmdrm	hyper	CHH	0.0129
Gm06	12585688	12586675	Gmdrm	hyper	CHH	0.0113
Gm06	12857087	12857418	Gmdrm	hyper	CHH	0.0626
Gm06	12862086	12863035	Gmdrm	hyper	CHH	0.0211
Gm06	12891290	12892250	Gmdrm	hyper	CHH	0.0127
Gm06	12905562	12906546	Gmdrm	hyper	CHH	0.0178
Gm06	12925572	12926179	Gmdrm	hyper	CHH	0.0187
Gm06	12940376	12940783	Gmdrm	hyper	CHH	0.0354
Gm06	12944873	12945858	Gmdrm	hyper	CHH	0.0165
Gm06	12954840	12955822	Gmdrm	hyper	CHH	0.0123

Gm06	12984901	12985770	Gmdrm	hyper	CHH	0.0184
Gm06	13000258	13001254	Gmdrm	hyper	CHH	0.0198
Gm06	13051423	13052423	Gmdrm	hyper	CHH	0.0193
Gm06	13052864	13053830	Gmdrm	hyper	CHH	0.0171
Gm06	13103174	13104174	Gmdrm	hyper	CHH	0.0147
Gm06	13134078	13135066	Gmdrm	hyper	CHH	0.0219
Gm06	13182341	13183341	Gmdrm	hyper	CHH	0.0158
Gm06	13241709	13242683	Gmdrm	hyper	CHH	0.024
Gm06	13272341	13272561	Gmdrm	hyper	CHH	0.06
Gm06	13297806	13298803	Gmdrm	hyper	CHH	0.0135
Gm06	13308079	13309071	Gmdrm	hyper	CHH	0.03
Gm06	13349484	13349859	Gmdrm	hyper	CHH	0.0382
Gm06	13366655	13367653	Gmdrm	hyper	CHH	0.0118
Gm06	13401023	13402010	Gmdrm	hyper	CHH	0.033
Gm06	13402325	13403287	Gmdrm	hyper	CHH	0.0321
Gm06	13457102	13458081	Gmdrm	hyper	CHH	0.0274
Gm06	13484318	13485305	Gmdrm	hyper	CHH	0.0195
Gm06	13488563	13489527	Gmdrm	hyper	CHH	0.0236
Gm06	13525637	13526628	Gmdrm	hyper	CHH	0.0413
Gm06	13559298	13560289	Gmdrm	hyper	CHH	0.0116
Gm06	13560325	13560423	Gmdrm	hyper	CHH	0.0325
Gm06	13804339	13805284	Gmdrm	hyper	CHH	0.0256
Gm06	13845205	13845329	Gmdrm	hyper	CHH	0.035
Gm06	13867778	13868004	Gmdrm	hyper	CHH	0.0766
Gm06	13907395	13908388	Gmdrm	hyper	CHH	0.0204
Gm06	13981429	13982418	Gmdrm	hyper	CHH	0.0154
Gm06	14015217	14016194	Gmdrm	hyper	CHH	0.0396
Gm06	14037001	14037973	Gmdrm	hyper	CHH	0.0087
Gm06	14064918	14065906	Gmdrm	hyper	CHH	0.0157
Gm06	14074773	14074996	Gmdrm	hyper	CHH	0.0377
Gm06	14085196	14085838	Gmdrm	hyper	CHH	0.0258
Gm06	14131410	14132394	Gmdrm	hyper	CHH	0.0282
Gm06	14145044	14146032	Gmdrm	hyper	CHH	0.0217
Gm06	14260163	14261155	Gmdrm	hyper	CHH	0.013
Gm06	14275874	14276869	Gmdrm	hyper	CHH	0.0222
Gm06	14308325	14309320	Gmdrm	hyper	CHH	0.0177
Gm06	14347449	14347712	Gmdrm	hyper	CHH	0.0633
Gm06	14389542	14390510	Gmdrm	hyper	CHH	0.0161
Gm06	14397442	14398386	Gmdrm	hyper	CHH	0.0152
Gm06	14407396	14407559	Gmdrm	hyper	CHH	0.11
Gm06	14421499	14421607	Gmdrm	hyper	CHH	0.0433
Gm06	14426756	14427737	Gmdrm	hyper	CHH	0.0227
Gm06	14432433	14433432	Gmdrm	hyper	CHH	0.0145
Gm06	14433436	14433874	Gmdrm	hyper	CHH	0.0398
Gm06	14449968	14450591	Gmdrm	hyper	CHH	0.0369
Gm06	14562094	14563062	Gmdrm	hyper	CHH	0.0272

Gm06	14589503	14590500	Gmdrm	hyper	CHH	0.0132
Gm06	14611691	14612677	Gmdrm	hyper	CHH	0.0207
Gm06	14726665	14727645	Gmdrm	hyper	CHH	0.0187
Gm06	14798007	14798984	Gmdrm	hyper	CHH	0.0197
Gm06	14835091	14835846	Gmdrm	hyper	CHH	0.0185
Gm06	14859815	14860774	Gmdrm	hyper	CHH	0.0153
Gm06	14868311	14868872	Gmdrm	hyper	CHH	0.029
Gm06	14914193	14914692	Gmdrm	hyper	CHH	0.0448
Gm06	14918265	14919239	Gmdrm	hyper	CHH	0.0166
Gm06	14951166	14952131	Gmdrm	hyper	CHH	0.0238
Gm06	15086028	15086484	Gmdrm	hyper	CHH	0.0187
Gm06	15097850	15098354	Gmdrm	hyper	CHH	0.019
Gm06	15098485	15099473	Gmdrm	hyper	CHH	0.0143
Gm06	15173906	15173980	Gmdrm	hyper	CHH	0.0357
Gm06	15187103	15188103	Gmdrm	hyper	CHH	0.0226
Gm06	15235178	15235916	Gmdrm	hyper	CHH	0.0434
Gm06	15248530	15249524	Gmdrm	hyper	CHH	0.0097
Gm06	15271483	15272442	Gmdrm	hyper	CHH	0.0193
Gm06	15378167	15379152	Gmdrm	hyper	CHH	0.0256
Gm06	15386864	15387856	Gmdrm	hyper	CHH	0.0586
Gm06	15462534	15462894	Gmdrm	hyper	CHH	0.0257
Gm06	15490392	15491373	Gmdrm	hyper	CHH	0.0146
Gm06	15557716	15557984	Gmdrm	hyper	CHH	0.0482
Gm06	15690064	15691022	Gmdrm	hyper	CHH	0.0131
Gm06	15781883	15782878	Gmdrm	hyper	CHH	0.0308
Gm06	15812349	15813346	Gmdrm	hyper	CHH	0.0151
Gm06	15847718	15848694	Gmdrm	hyper	CHH	0.0305
Gm06	15934888	15935874	Gmdrm	hyper	CHH	0.0238
Gm06	15942696	15942989	Gmdrm	hyper	CHH	0.025
Gm06	16030574	16031567	Gmdrm	hyper	CHH	0.0181
Gm06	16133183	16134179	Gmdrm	hyper	CHH	0.0456
Gm06	16205991	16206913	Gmdrm	hyper	CHH	0.0157
Gm06	16334087	16335068	Gmdrm	hyper	CHH	0.0175
Gm06	16452684	16453683	Gmdrm	hyper	CHH	0.0141
Gm06	16466458	16467424	Gmdrm	hyper	CHH	0.0715
Gm06	16476074	16477072	Gmdrm	hyper	CHH	0.0347
Gm06	16478077	16479075	Gmdrm	hyper	CHH	0.0555
Gm06	16482104	16483086	Gmdrm	hyper	CHH	0.0372
Gm06	16518848	16519845	Gmdrm	hyper	CHH	0.0195
Gm06	16519854	16520850	Gmdrm	hyper	CHH	0.0128
Gm06	16636583	16636764	Gmdrm	hyper	CHH	0.0213
Gm06	16636867	16637271	Gmdrm	hyper	CHH	0.0427
Gm06	16724616	16725586	Gmdrm	hyper	CHH	0.0346
Gm06	16806341	16807336	Gmdrm	hyper	CHH	0.0189
Gm06	16903919	16904856	Gmdrm	hyper	CHH	0.023
Gm06	17024036	17025036	Gmdrm	hyper	CHH	0.0526

Gm06	17063052	17064046	Gmdrm	hyper	CHH	0.0208
Gm06	17095050	17095580	Gmdrm	hyper	CHH	0.0257
Gm06	17110617	17110711	Gmdrm	hyper	CHH	0.0418
Gm06	17189338	17189869	Gmdrm	hyper	CHH	0.025
Gm06	17282760	17283734	Gmdrm	hyper	CHH	0.013
Gm06	17351812	17352063	Gmdrm	hyper	CHH	0.0367
Gm06	17363177	17363289	Gmdrm	hyper	CHH	0.0763
Gm06	17468986	17469985	Gmdrm	hyper	CHH	0.0487
Gm06	17534688	17535524	Gmdrm	hyper	CHH	0.021
Gm06	17535762	17536422	Gmdrm	hyper	CHH	0.0172
Gm06	17706915	17707912	Gmdrm	hyper	CHH	0.0235
Gm06	17711944	17712940	Gmdrm	hyper	CHH	0.0165
Gm06	18073501	18074486	Gmdrm	hyper	CHH	0.0361
Gm06	18124435	18125427	Gmdrm	hyper	CHH	0.0142
Gm06	18141793	18142769	Gmdrm	hyper	CHH	0.0242
Gm06	18225407	18226406	Gmdrm	hyper	CHH	0.0481
Gm06	18290709	18291623	Gmdrm	hyper	CHH	0.0668
Gm06	18300150	18301130	Gmdrm	hyper	CHH	0.073
Gm06	18374994	18375957	Gmdrm	hyper	CHH	0.0254
Gm06	18379702	18380695	Gmdrm	hyper	CHH	0.0154
Gm06	18576534	18577504	Gmdrm	hyper	CHH	0.031
Gm06	18647381	18648310	Gmdrm	hyper	CHH	0.0178
Gm06	18783706	18784693	Gmdrm	hyper	CHH	0.0495
Gm06	18815453	18815586	Gmdrm	hyper	CHH	0.093
Gm06	18900445	18901445	Gmdrm	hyper	CHH	0.0221
Gm06	18901449	18902422	Gmdrm	hyper	CHH	0.0187
Gm06	18906555	18907379	Gmdrm	hyper	CHH	0.0239
Gm06	18940837	18941828	Gmdrm	hyper	CHH	0.0164
Gm06	19129237	19130214	Gmdrm	hyper	CHH	0.0248
Gm06	19160814	19161097	Gmdrm	hyper	CHH	0.0353
Gm06	19205706	19206683	Gmdrm	hyper	CHH	0.0215
Gm06	19375613	19376609	Gmdrm	hyper	CHH	0.0477
Gm06	19420862	19421289	Gmdrm	hyper	CHH	0.1527
Gm06	19477153	19478137	Gmdrm	hyper	CHH	0.0279
Gm06	19494648	19495636	Gmdrm	hyper	CHH	0.0174
Gm06	19566990	19567981	Gmdrm	hyper	CHH	0.0507
Gm06	19574974	19575948	Gmdrm	hyper	CHH	0.0128
Gm06	19621272	19622271	Gmdrm	hyper	CHH	0.0463
Gm06	19827885	19828872	Gmdrm	hyper	CHH	0.0337
Gm06	19829923	19830468	Gmdrm	hyper	CHH	0.0346
Gm06	19839483	19840476	Gmdrm	hyper	CHH	0.0151
Gm06	19943780	19944759	Gmdrm	hyper	CHH	0.0596
Gm06	20068737	20068821	Gmdrm	hyper	CHH	0.184
Gm06	20121344	20122316	Gmdrm	hyper	CHH	0.0131
Gm06	20246874	20247867	Gmdrm	hyper	CHH	0.0479
Gm06	20310416	20311413	Gmdrm	hyper	CHH	0.0468

Gm06	20336469	20337450	Gmdrm	hyper	CHH	0.0496
Gm06	20477058	20478051	Gmdrm	hyper	CHH	0.0207
Gm06	20628402	20629378	Gmdrm	hyper	CHH	0.0709
Gm06	20629445	20630117	Gmdrm	hyper	CHH	0.0601
Gm06	20695908	20696901	Gmdrm	hyper	CHH	0.0214
Gm06	20816352	20817351	Gmdrm	hyper	CHH	0.0164
Gm06	20821449	20821825	Gmdrm	hyper	CHH	0.0503
Gm06	20821940	20822908	Gmdrm	hyper	CHH	0.0213
Gm06	20887649	20888644	Gmdrm	hyper	CHH	0.0194
Gm06	20907096	20908095	Gmdrm	hyper	CHH	0.0406
Gm06	20912652	20913643	Gmdrm	hyper	CHH	0.0272
Gm06	21182586	21183580	Gmdrm	hyper	CHH	0.0341
Gm06	21276653	21277639	Gmdrm	hyper	CHH	0.0426
Gm06	21371579	21372565	Gmdrm	hyper	CHH	0.0213
Gm06	21372607	21373606	Gmdrm	hyper	CHH	0.017
Gm06	21505596	21506584	Gmdrm	hyper	CHH	0.0253
Gm06	21506606	21507605	Gmdrm	hyper	CHH	0.0413
Gm06	21530053	21530739	Gmdrm	hyper	CHH	0.091
Gm06	21686669	21687668	Gmdrm	hyper	CHH	0.0365
Gm06	21834555	21835497	Gmdrm	hyper	CHH	0.0856
Gm06	22149211	22149959	Gmdrm	hyper	CHH	0.0502
Gm06	22253924	22254920	Gmdrm	hyper	CHH	0.0303
Gm06	22443541	22444229	Gmdrm	hyper	CHH	0.0351
Gm06	22601125	22601377	Gmdrm	hyper	CHH	0.0362
Gm06	22684046	22685046	Gmdrm	hyper	CHH	0.0255
Gm06	22686059	22687038	Gmdrm	hyper	CHH	0.0139
Gm06	22727214	22728212	Gmdrm	hyper	CHH	0.0439
Gm06	22773900	22774533	Gmdrm	hyper	CHH	0.0204
Gm06	22806114	22807092	Gmdrm	hyper	CHH	0.0153
Gm06	23013141	23014131	Gmdrm	hyper	CHH	0.076
Gm06	23236300	23237283	Gmdrm	hyper	CHH	0.0283
Gm06	23375691	23376583	Gmdrm	hyper	CHH	0.0656
Gm06	23757916	23758036	Gmdrm	hyper	CHH	0.1077
Gm06	23784262	23785262	Gmdrm	hyper	CHH	0.0607
Gm06	24100571	24101286	Gmdrm	hyper	CHH	0.0661
Gm06	24697342	24698333	Gmdrm	hyper	CHH	0.0348
Gm06	24705906	24706798	Gmdrm	hyper	CHH	0.0544
Gm06	26137270	26138269	Gmdrm	hyper	CHH	0.0584
Gm06	26346885	26347876	Gmdrm	hyper	CHH	0.0285
Gm06	26470792	26471231	Gmdrm	hyper	CHH	0.093
Gm06	26479863	26480145	Gmdrm	hyper	CHH	0.0602
Gm06	26996786	26997767	Gmdrm	hyper	CHH	0.0607
Gm06	27173198	27174197	Gmdrm	hyper	CHH	0.0619
Gm06	27289992	27290817	Gmdrm	hyper	CHH	0.0668
Gm06	27407650	27408249	Gmdrm	hyper	CHH	0.0871
Gm06	27505780	27505811	Gmdrm	hyper	CHH	0.305

Gm06	28046461	28046593	Gmdrm	hyper	CHH	0.1371
Gm06	28204809	28205332	Gmdrm	hyper	CHH	0.0565
Gm06	28301916	28302916	Gmdrm	hyper	CHH	0.0544
Gm06	28628067	28629052	Gmdrm	hyper	CHH	0.0414
Gm06	28629084	28629617	Gmdrm	hyper	CHH	0.0804
Gm06	28678970	28679245	Gmdrm	hyper	CHH	0.136
Gm06	28745345	28746345	Gmdrm	hyper	CHH	0.0617
Gm06	28880727	28881721	Gmdrm	hyper	CHH	0.0426
Gm06	28904434	28904565	Gmdrm	hyper	CHH	0.2291
Gm06	29017162	29018065	Gmdrm	hyper	CHH	0.0675
Gm06	29028127	29029087	Gmdrm	hyper	CHH	0.0192
Gm06	29172623	29172885	Gmdrm	hyper	CHH	0.0485
Gm06	29246327	29247263	Gmdrm	hyper	CHH	0.0134
Gm06	29308695	29309638	Gmdrm	hyper	CHH	0.0198
Gm06	29315203	29315817	Gmdrm	hyper	CHH	0.0154
Gm06	29524155	29524304	Gmdrm	hyper	CHH	0.125
Gm06	29606476	29606740	Gmdrm	hyper	CHH	0.1616
Gm06	29933317	29934247	Gmdrm	hyper	CHH	0.026
Gm06	29992162	29993139	Gmdrm	hyper	CHH	0.0466
Gm06	30442651	30442802	Gmdrm	hyper	CHH	0.1616
Gm06	30531710	30531768	Gmdrm	hyper	CHH	0.105
Gm06	30626402	30626456	Gmdrm	hyper	CHH	0.158
Gm06	30731389	30731929	Gmdrm	hyper	CHH	0.0435
Gm06	30867245	30867570	Gmdrm	hyper	CHH	0.0543
Gm06	31517385	31518357	Gmdrm	hyper	CHH	0.0704
Gm06	31772856	31773084	Gmdrm	hyper	CHH	0.08
Gm06	31774192	31774608	Gmdrm	hyper	CHH	0.0635
Gm06	31849882	31850125	Gmdrm	hyper	CHH	0.0407
Gm06	31855991	31856966	Gmdrm	hyper	CHH	0.0347
Gm06	31893329	31894292	Gmdrm	hyper	CHH	0.0538
Gm06	31894541	31894627	Gmdrm	hyper	CHH	0.063
Gm06	31894961	31895625	Gmdrm	hyper	CHH	0.0472
Gm06	31930755	31931718	Gmdrm	hyper	CHH	0.0378
Gm06	31966597	31967383	Gmdrm	hyper	CHH	0.0608
Gm06	31971763	31971817	Gmdrm	hyper	CHH	0.3245
Gm06	31973162	31973229	Gmdrm	hyper	CHH	0.2667
Gm06	32354636	32355636	Gmdrm	hyper	CHH	0.0133
Gm06	32642928	32643916	Gmdrm	hyper	CHH	0.0567
Gm06	32729057	32730054	Gmdrm	hyper	CHH	0.0482
Gm06	32767047	32768040	Gmdrm	hyper	CHH	0.0573
Gm06	32899036	32899054	Gmdrm	hyper	CHH	0.2883
Gm06	33129142	33130130	Gmdrm	hyper	CHH	0.0474
Gm06	33149291	33150284	Gmdrm	hyper	CHH	0.0531
Gm06	33255472	33255618	Gmdrm	hyper	CHH	0.105
Gm06	33706835	33707835	Gmdrm	hyper	CHH	0.0328
Gm06	33764685	33765641	Gmdrm	hyper	CHH	0.0608

Gm06	33853485	33854331	Gmdrm	hyper	CHH	0.0581
Gm06	33873297	33874294	Gmdrm	hyper	CHH	0.0376
Gm06	33918598	33918870	Gmdrm	hyper	CHH	0.151
Gm06	34061159	34062152	Gmdrm	hyper	CHH	0.0495
Gm06	34318667	34318990	Gmdrm	hyper	CHH	0.027
Gm06	34551206	34552182	Gmdrm	hyper	CHH	0.0701
Gm06	34584238	34585214	Gmdrm	hyper	CHH	0.076
Gm06	34592284	34593277	Gmdrm	hyper	CHH	0.0366
Gm06	34600914	34601898	Gmdrm	hyper	CHH	0.012
Gm06	34603941	34604939	Gmdrm	hyper	CHH	0.0143
Gm06	34608983	34609983	Gmdrm	hyper	CHH	0.0314
Gm06	34854990	34855987	Gmdrm	hyper	CHH	0.0473
Gm06	34868274	34869273	Gmdrm	hyper	CHH	0.0368
Gm06	34881404	34882338	Gmdrm	hyper	CHH	0.0455
Gm06	34988563	34989543	Gmdrm	hyper	CHH	0.027
Gm06	35069851	35070045	Gmdrm	hyper	CHH	0.0972
Gm06	35106942	35107908	Gmdrm	hyper	CHH	0.0166
Gm06	35167292	35168078	Gmdrm	hyper	CHH	0.1042
Gm06	35248723	35249219	Gmdrm	hyper	CHH	0.0394
Gm06	35324137	35325136	Gmdrm	hyper	CHH	0.0413
Gm06	35398761	35399742	Gmdrm	hyper	CHH	0.0224
Gm06	35571544	35572541	Gmdrm	hyper	CHH	0.0584
Gm06	35615535	35616513	Gmdrm	hyper	CHH	0.0743
Gm06	35684746	35685733	Gmdrm	hyper	CHH	0.0516
Gm06	35689383	35690261	Gmdrm	hyper	CHH	0.0964
Gm06	35690745	35691742	Gmdrm	hyper	CHH	0.0755
Gm06	35697297	35698287	Gmdrm	hyper	CHH	0.0698
Gm06	35702774	35703766	Gmdrm	hyper	CHH	0.0792
Gm06	35712240	35713223	Gmdrm	hyper	CHH	0.0422
Gm06	35833559	35834559	Gmdrm	hyper	CHH	0.0219
Gm06	35834562	35835559	Gmdrm	hyper	CHH	0.0376
Gm06	35851666	35851686	Gmdrm	hyper	CHH	0.37
Gm06	36295931	36296931	Gmdrm	hyper	CHH	0.0333
Gm06	36334539	36335530	Gmdrm	hyper	CHH	0.0425
Gm06	36389356	36390353	Gmdrm	hyper	CHH	0.0543
Gm06	36390748	36391710	Gmdrm	hyper	CHH	0.0498
Gm06	36478386	36478705	Gmdrm	hyper	CHH	0.0219
Gm06	36506973	36507837	Gmdrm	hyper	CHH	0.0377
Gm06	36568526	36569522	Gmdrm	hyper	CHH	0.0568
Gm06	36672142	36673139	Gmdrm	hyper	CHH	0.0609
Gm06	36819174	36819864	Gmdrm	hyper	CHH	0.0231
Gm06	36913124	36913726	Gmdrm	hyper	CHH	0.03
Gm06	37039442	37040423	Gmdrm	hyper	CHH	0.0147
Gm06	37061110	37062105	Gmdrm	hyper	CHH	0.0446
Gm06	37171978	37172578	Gmdrm	hyper	CHH	0.0425
Gm06	37176908	37176998	Gmdrm	hyper	CHH	0.0667

Gm06	37343245	37343403	Gmdrm	hyper	CHH	0.1455
Gm06	37385098	37385539	Gmdrm	hyper	CHH	0.0617
Gm06	37489826	37490795	Gmdrm	hyper	CHH	0.0153
Gm06	37492057	37492789	Gmdrm	hyper	CHH	0.032
Gm06	37537577	37538571	Gmdrm	hyper	CHH	0.0686
Gm06	37630739	37631718	Gmdrm	hyper	CHH	0.0594
Gm06	37754577	37755577	Gmdrm	hyper	CHH	0.0267
Gm06	37794696	37795678	Gmdrm	hyper	CHH	0.0267
Gm06	37797761	37798186	Gmdrm	hyper	CHH	0.0239
Gm06	37864094	37865093	Gmdrm	hyper	CHH	0.0833
Gm06	37974352	37975352	Gmdrm	hyper	CHH	0.0306
Gm06	37980321	37980721	Gmdrm	hyper	CHH	0.1508
Gm06	38022785	38022873	Gmdrm	hyper	CHH	0.1133
Gm06	38234090	38235083	Gmdrm	hyper	CHH	0.0606
Gm06	38235093	38235473	Gmdrm	hyper	CHH	0.1354
Gm06	38238962	38239368	Gmdrm	hyper	CHH	0.1157
Gm06	38250318	38251306	Gmdrm	hyper	CHH	0.0464
Gm06	38288633	38289632	Gmdrm	hyper	CHH	0.0552
Gm06	38347031	38347368	Gmdrm	hyper	CHH	0.0147
Gm06	38448377	38449209	Gmdrm	hyper	CHH	0.0544
Gm06	38517711	38518697	Gmdrm	hyper	CHH	0.0261
Gm06	38551854	38552854	Gmdrm	hyper	CHH	0.0489
Gm06	38652794	38653432	Gmdrm	hyper	CHH	0.047
Gm06	38693491	38693607	Gmdrm	hyper	CHH	0.0372
Gm06	38767976	38768340	Gmdrm	hyper	CHH	0.0354
Gm06	39029820	39030820	Gmdrm	hyper	CHH	0.0205
Gm06	39069410	39070408	Gmdrm	hyper	CHH	0.043
Gm06	39133359	39133663	Gmdrm	hyper	CHH	0.0445
Gm06	39160515	39161329	Gmdrm	hyper	CHH	0.0393
Gm06	39468323	39468459	Gmdrm	hyper	CHH	0.2008
Gm06	39470038	39471022	Gmdrm	hyper	CHH	0.0558
Gm06	39500887	39501873	Gmdrm	hyper	CHH	0.049
Gm06	39643037	39643442	Gmdrm	hyper	CHH	0.0332
Gm06	39674556	39675555	Gmdrm	hyper	CHH	0.0679
Gm06	39775042	39776039	Gmdrm	hyper	CHH	0.0496
Gm06	39808551	39809541	Gmdrm	hyper	CHH	0.0528
Gm06	39919868	39920862	Gmdrm	hyper	CHH	0.0357
Gm06	39928911	39929909	Gmdrm	hyper	CHH	0.0361
Gm06	39986379	39986415	Gmdrm	hyper	CHH	0.33
Gm06	40522806	40522926	Gmdrm	hyper	CHH	0.194
Gm06	40557542	40557868	Gmdrm	hyper	CHH	0.1035
Gm06	40717051	40717195	Gmdrm	hyper	CHH	0.1325
Gm06	40791419	40791491	Gmdrm	hyper	CHH	0.2073
Gm06	40819934	40820929	Gmdrm	hyper	CHH	0.0214
Gm06	40839833	40840833	Gmdrm	hyper	CHH	0.0138
Gm06	41186385	41187359	Gmdrm	hyper	CHH	0.0144

Gm06	41257631	41258295	Gmdrm	hyper	CHH	0.0742
Gm06	41262377	41263375	Gmdrm	hyper	CHH	0.0544
Gm06	41282177	41283174	Gmdrm	hyper	CHH	0.0425
Gm06	41309403	41310396	Gmdrm	hyper	CHH	0.0282
Gm06	41337026	41338025	Gmdrm	hyper	CHH	0.0492
Gm06	41397035	41398032	Gmdrm	hyper	CHH	0.0148
Gm06	41619059	41620058	Gmdrm	hyper	CHH	0.0464
Gm06	41658238	41659229	Gmdrm	hyper	CHH	0.0351
Gm06	41731448	41732440	Gmdrm	hyper	CHH	0.0302
Gm06	41813382	41814349	Gmdrm	hyper	CHH	0.0649
Gm06	41814403	41815400	Gmdrm	hyper	CHH	0.0379
Gm06	41822278	41823273	Gmdrm	hyper	CHH	0.0206
Gm06	41835215	41835639	Gmdrm	hyper	CHH	0.0505
Gm06	41842053	41843050	Gmdrm	hyper	CHH	0.05
Gm06	41902138	41903138	Gmdrm	hyper	CHH	0.0536
Gm06	41917253	41918253	Gmdrm	hyper	CHH	0.0536
Gm06	41927454	41928416	Gmdrm	hyper	CHH	0.0433
Gm06	41962068	41963068	Gmdrm	hyper	CHH	0.0526
Gm06	42324957	42325955	Gmdrm	hyper	CHH	0.0428
Gm06	42325958	42326957	Gmdrm	hyper	CHH	0.0414
Gm06	42327967	42328958	Gmdrm	hyper	CHH	0.0499
Gm06	42339703	42340699	Gmdrm	hyper	CHH	0.0163
Gm06	42342743	42343664	Gmdrm	hyper	CHH	0.0387
Gm06	42345906	42346895	Gmdrm	hyper	CHH	0.0233
Gm06	42347971	42348962	Gmdrm	hyper	CHH	0.0118
Gm06	42380032	42381032	Gmdrm	hyper	CHH	0.0338
Gm06	42381035	42382004	Gmdrm	hyper	CHH	0.0644
Gm06	42382043	42383042	Gmdrm	hyper	CHH	0.0385
Gm06	42410757	42411753	Gmdrm	hyper	CHH	0.0429
Gm06	42442941	42443932	Gmdrm	hyper	CHH	0.0197
Gm06	42584818	42585788	Gmdrm	hyper	CHH	0.0177
Gm06	42633023	42634014	Gmdrm	hyper	CHH	0.0349
Gm06	42692282	42693273	Gmdrm	hyper	CHH	0.0169
Gm06	42765879	42766366	Gmdrm	hyper	CHH	0.0432
Gm06	43049747	43050740	Gmdrm	hyper	CHH	0.025
Gm06	43197261	43198247	Gmdrm	hyper	CHH	0.0149
Gm06	43212637	43213632	Gmdrm	hyper	CHH	0.0555
Gm06	43256609	43257572	Gmdrm	hyper	CHH	0.0415
Gm06	43260689	43261660	Gmdrm	hyper	CHH	0.0555
Gm06	43289933	43290924	Gmdrm	hyper	CHH	0.0877
Gm06	43312283	43313281	Gmdrm	hyper	CHH	0.0627
Gm06	43354872	43354880	Gmdrm	hyper	CHH	0.4333
Gm06	43439272	43440271	Gmdrm	hyper	CHH	0.0243
Gm06	43589999	43590993	Gmdrm	hyper	CHH	0.0163
Gm06	44005731	44006195	Gmdrm	hyper	CHH	0.0282
Gm06	44024403	44024976	Gmdrm	hyper	CHH	0.0237

Gm06	44048234	44049229	Gmdrm	hyper	CHH	0.0229
Gm06	44116866	44117426	Gmdrm	hyper	CHH	0.024
Gm06	44133813	44134812	Gmdrm	hyper	CHH	0.0185
Gm06	44176966	44177963	Gmdrm	hyper	CHH	0.0575
Gm06	44228185	44228836	Gmdrm	hyper	CHH	0.0203
Gm06	44246184	44246375	Gmdrm	hyper	CHH	0.0438
Gm06	44385206	44386198	Gmdrm	hyper	CHH	0.0213
Gm06	44443267	44444249	Gmdrm	hyper	CHH	0.0283
Gm06	44444307	44445303	Gmdrm	hyper	CHH	0.0146
Gm06	44459586	44459912	Gmdrm	hyper	CHH	0.0659
Gm06	44613596	44614594	Gmdrm	hyper	CHH	0.0236
Gm06	44688817	44689811	Gmdrm	hyper	CHH	0.0419
Gm06	44697405	44698404	Gmdrm	hyper	CHH	0.0293
Gm06	44843617	44843832	Gmdrm	hyper	CHH	0.0333
Gm06	44906788	44907408	Gmdrm	hyper	CHH	0.078
Gm06	44934829	44935796	Gmdrm	hyper	CHH	0.0561
Gm06	45056454	45057429	Gmdrm	hyper	CHH	0.019
Gm06	45095935	45096932	Gmdrm	hyper	CHH	0.0101
Gm06	45148093	45149077	Gmdrm	hyper	CHH	0.0217
Gm06	45228470	45229464	Gmdrm	hyper	CHH	0.0488
Gm06	45282300	45283283	Gmdrm	hyper	CHH	0.0523
Gm06	45321760	45322027	Gmdrm	hyper	CHH	0.0627
Gm06	45408793	45408862	Gmdrm	hyper	CHH	0.0417
Gm06	45438884	45439883	Gmdrm	hyper	CHH	0.0143
Gm06	45729048	45730042	Gmdrm	hyper	CHH	0.0177
Gm06	45751552	45752546	Gmdrm	hyper	CHH	0.0272
Gm06	45785364	45785817	Gmdrm	hyper	CHH	0.0311
Gm06	45897375	45898367	Gmdrm	hyper	CHH	0.0842
Gm06	45898384	45899381	Gmdrm	hyper	CHH	0.0509
Gm06	45899392	45900391	Gmdrm	hyper	CHH	0.101
Gm06	45900788	45901780	Gmdrm	hyper	CHH	0.063
Gm06	45901792	45902787	Gmdrm	hyper	CHH	0.1017
Gm06	45902797	45903769	Gmdrm	hyper	CHH	0.0257
Gm06	45917020	45918019	Gmdrm	hyper	CHH	0.0396
Gm06	45998439	45999416	Gmdrm	hyper	CHH	0.0271
Gm06	46084863	46085860	Gmdrm	hyper	CHH	0.0235
Gm06	46191945	46192930	Gmdrm	hyper	CHH	0.0184
Gm06	46192981	46193981	Gmdrm	hyper	CHH	0.0101
Gm06	46207801	46208801	Gmdrm	hyper	CHH	0.0312
Gm06	46239845	46240836	Gmdrm	hyper	CHH	0.0143
Gm06	46311361	46312358	Gmdrm	hyper	CHH	0.0301
Gm06	46373742	46374736	Gmdrm	hyper	CHH	0.0226
Gm06	46414760	46415313	Gmdrm	hyper	CHH	0.0495
Gm06	46444147	46445135	Gmdrm	hyper	CHH	0.0514
Gm06	46537174	46538169	Gmdrm	hyper	CHH	0.0203
Gm06	46544581	46545581	Gmdrm	hyper	CHH	0.0162

Gm06	46682362	46682964	Gmdrm	hyper	CHH	0.027
Gm06	46708904	46709129	Gmdrm	hyper	CHH	0.0913
Gm06	46726655	46727650	Gmdrm	hyper	CHH	0.0154
Gm06	46909429	46910407	Gmdrm	hyper	CHH	0.0898
Gm06	46939080	46940061	Gmdrm	hyper	CHH	0.0147
Gm06	46964738	46965737	Gmdrm	hyper	CHH	0.0175
Gm06	47064803	47065785	Gmdrm	hyper	CHH	0.0198
Gm06	47071605	47072572	Gmdrm	hyper	CHH	0.0438
Gm06	47095867	47096859	Gmdrm	hyper	CHH	0.06
Gm06	47096876	47097329	Gmdrm	hyper	CHH	0.0365
Gm06	47182920	47183912	Gmdrm	hyper	CHH	0.0248
Gm06	47254506	47255505	Gmdrm	hyper	CHH	0.0271
Gm06	47271394	47272387	Gmdrm	hyper	CHH	0.0437
Gm06	47335853	47336847	Gmdrm	hyper	CHH	0.0472
Gm06	47345894	47346577	Gmdrm	hyper	CHH	0.0616
Gm06	47375022	47376019	Gmdrm	hyper	CHH	0.0453
Gm06	47376030	47377023	Gmdrm	hyper	CHH	0.0296
Gm06	47451970	47452685	Gmdrm	hyper	CHH	0.0207
Gm06	47457408	47458406	Gmdrm	hyper	CHH	0.0504
Gm06	47586544	47587492	Gmdrm	hyper	CHH	0.036
Gm06	47632798	47633756	Gmdrm	hyper	CHH	0.0245
Gm06	47733221	47733886	Gmdrm	hyper	CHH	0.0189
Gm06	47756959	47757940	Gmdrm	hyper	CHH	0.0128
Gm06	47891080	47892079	Gmdrm	hyper	CHH	0.0143
Gm06	48002891	48003883	Gmdrm	hyper	CHH	0.0193
Gm06	48053546	48053887	Gmdrm	hyper	CHH	0.0362
Gm06	48068051	48069045	Gmdrm	hyper	CHH	0.0158
Gm06	48079796	48080781	Gmdrm	hyper	CHH	0.0285
Gm06	48091819	48092809	Gmdrm	hyper	CHH	0.0157
Gm06	48095893	48096890	Gmdrm	hyper	CHH	0.0236
Gm06	48098772	48099755	Gmdrm	hyper	CHH	0.0205
Gm06	48247638	48248630	Gmdrm	hyper	CHH	0.0082
Gm06	48261612	48262610	Gmdrm	hyper	CHH	0.0152
Gm06	48346416	48346625	Gmdrm	hyper	CHH	0.0259
Gm06	48512458	48513214	Gmdrm	hyper	CHH	0.0267
Gm06	48686259	48686539	Gmdrm	hyper	CHH	0.0422
Gm06	48853837	48854345	Gmdrm	hyper	CHH	0.0196
Gm06	48860383	48861371	Gmdrm	hyper	CHH	0.0127
Gm06	48926783	48927775	Gmdrm	hyper	CHH	0.0189
Gm06	48928848	48928963	Gmdrm	hyper	CHH	0.1567
Gm06	48961330	48962325	Gmdrm	hyper	CHH	0.0162
Gm06	48962333	48963324	Gmdrm	hyper	CHH	0.0218
Gm06	49064973	49065960	Gmdrm	hyper	CHH	0.0333
Gm06	49082921	49082990	Gmdrm	hyper	CHH	0.1509
Gm06	49128608	49129604	Gmdrm	hyper	CHH	0.0177
Gm06	49175893	49176890	Gmdrm	hyper	CHH	0.0186

Gm06	49207157	49208133	Gmdrm	hyper	CHH	0.0217
Gm06	49224776	49225703	Gmdrm	hyper	CHH	0.0317
Gm06	49249204	49249468	Gmdrm	hyper	CHH	0.0477
Gm06	49308118	49309114	Gmdrm	hyper	CHH	0.0361
Gm06	49309171	49309526	Gmdrm	hyper	CHH	0.0694
Gm06	49385014	49385452	Gmdrm	hyper	CHH	0.0569
Gm06	49449150	49450144	Gmdrm	hyper	CHH	0.0137
Gm06	49607903	49608878	Gmdrm	hyper	CHH	0.0139
Gm06	49633508	49634489	Gmdrm	hyper	CHH	0.0578
Gm06	49644975	49645112	Gmdrm	hyper	CHH	0.13
Gm06	49700778	49701776	Gmdrm	hyper	CHH	0.0134
Gm06	49731867	49732864	Gmdrm	hyper	CHH	0.0164
Gm06	49896727	49897727	Gmdrm	hyper	CHH	0.0141
Gm06	49910712	49910776	Gmdrm	hyper	CHH	0.0343
Gm06	49930096	49931091	Gmdrm	hyper	CHH	0.0382
Gm06	49945153	49945838	Gmdrm	hyper	CHH	0.0209
Gm06	49962924	49963899	Gmdrm	hyper	CHH	0.0134
Gm06	49994019	49994981	Gmdrm	hyper	CHH	0.0155
Gm06	50044691	50045652	Gmdrm	hyper	CHH	0.0165
Gm06	50053755	50054710	Gmdrm	hyper	CHH	0.0203
Gm06	50067625	50068327	Gmdrm	hyper	CHH	0.0343
Gm06	50114457	50115456	Gmdrm	hyper	CHH	0.0106
Gm06	50120214	50121209	Gmdrm	hyper	CHH	0.0152
Gm06	50143245	50144066	Gmdrm	hyper	CHH	0.0238
Gm06	50177091	50177248	Gmdrm	hyper	CHH	0.0517
Gm06	50304051	50305048	Gmdrm	hyper	CHH	0.0355
Gm06	50305054	50306048	Gmdrm	hyper	CHH	0.0195
Gm06	50339457	50339696	Gmdrm	hyper	CHH	0.0267
Gm06	50352811	50353811	Gmdrm	hyper	CHH	0.0242
Gm06	50359520	50360507	Gmdrm	hyper	CHH	0.03
Gm06	50376379	50377377	Gmdrm	hyper	CHH	0.0133
Gm06	50385760	50386312	Gmdrm	hyper	CHH	0.0163
Gm06	50391599	50392594	Gmdrm	hyper	CHH	0.0195
Gm06	50423678	50424652	Gmdrm	hyper	CHH	0.0173
Gm06	50454731	50455718	Gmdrm	hyper	CHH	0.0332
Gm06	50504619	50504763	Gmdrm	hyper	CHH	0.0713
Gm06	50510643	50511637	Gmdrm	hyper	CHH	0.0849
Gm06	50562935	50563930	Gmdrm	hyper	CHH	0.0264
Gm06	50597263	50598236	Gmdrm	hyper	CHH	0.0174
Gm06	50603900	50604860	Gmdrm	hyper	CHH	0.0172
Gm06	50614407	50615404	Gmdrm	hyper	CHH	0.0119
Gm06	50630947	50631897	Gmdrm	hyper	CHH	0.0217
Gm06	50643413	50644280	Gmdrm	hyper	CHH	0.0152
Gm06	50661962	50662902	Gmdrm	hyper	CHH	0.0149
Gm06	50666816	50667750	Gmdrm	hyper	CHH	0.0493
Gm06	50674186	50675180	Gmdrm	hyper	CHH	0.0157

Gm06	50716457	50717450	Gmdrm	hyper	CHH	0.013
Gm06	50735966	50736246	Gmdrm	hyper	CHH	0.03
Gm06	50786518	50787194	Gmdrm	hyper	CHH	0.0148
Gm06	50897894	50898643	Gmdrm	hyper	CHH	0.0521
Gm06_scaffo	4676	5660	Gmdrm	hyper	CHH	0.0109
Gm06_scaffo	138799	139236	Gmdrm	hyper	CHH	0.0436
Gm06_scaffo	16289	17288	Gmdrm	hyper	CHH	0.0168
Gm07	185948	186773	Gmdrm	hyper	CHH	0.0212
Gm07	203984	204675	Gmdrm	hyper	CHH	0.0393
Gm07	430263	431259	Gmdrm	hyper	CHH	0.0112
Gm07	447856	448202	Gmdrm	hyper	CHH	0.0467
Gm07	478156	479133	Gmdrm	hyper	CHH	0.0109
Gm07	590164	591154	Gmdrm	hyper	CHH	0.0138
Gm07	591170	591371	Gmdrm	hyper	CHH	0.05
Gm07	622160	623156	Gmdrm	hyper	CHH	0.0138
Gm07	638081	638546	Gmdrm	hyper	CHH	0.0259
Gm07	685712	686088	Gmdrm	hyper	CHH	0.0317
Gm07	690110	691085	Gmdrm	hyper	CHH	0.0171
Gm07	747277	748269	Gmdrm	hyper	CHH	0.0138
Gm07	775963	776396	Gmdrm	hyper	CHH	0.0195
Gm07	785529	786294	Gmdrm	hyper	CHH	0.0373
Gm07	793311	794311	Gmdrm	hyper	CHH	0.0113
Gm07	867512	868507	Gmdrm	hyper	CHH	0.0132
Gm07	885119	885884	Gmdrm	hyper	CHH	0.0176
Gm07	889055	890039	Gmdrm	hyper	CHH	0.0216
Gm07	924465	924652	Gmdrm	hyper	CHH	0.0507
Gm07	947129	948113	Gmdrm	hyper	CHH	0.0318
Gm07	958955	959949	Gmdrm	hyper	CHH	0.023
Gm07	984496	985033	Gmdrm	hyper	CHH	0.0203
Gm07	992445	993021	Gmdrm	hyper	CHH	0.0233
Gm07	1012833	1013692	Gmdrm	hyper	CHH	0.0467
Gm07	1019974	1020964	Gmdrm	hyper	CHH	0.0202
Gm07	1024022	1024238	Gmdrm	hyper	CHH	0.0654
Gm07	1051066	1052047	Gmdrm	hyper	CHH	0.0167
Gm07	1080188	1080355	Gmdrm	hyper	CHH	0.025
Gm07	1199415	1200414	Gmdrm	hyper	CHH	0.0143
Gm07	1429252	1429328	Gmdrm	hyper	CHH	0.0534
Gm07	1431410	1432397	Gmdrm	hyper	CHH	0.0095
Gm07	1440252	1440619	Gmdrm	hyper	CHH	0.0313
Gm07	1444507	1445471	Gmdrm	hyper	CHH	0.0218
Gm07	1451236	1451926	Gmdrm	hyper	CHH	0.0149
Gm07	1579510	1579831	Gmdrm	hyper	CHH	0.0267
Gm07	1583711	1583964	Gmdrm	hyper	CHH	0.0837
Gm07	1620419	1620813	Gmdrm	hyper	CHH	0.0611
Gm07	1627091	1627736	Gmdrm	hyper	CHH	0.0426
Gm07	1646016	1646253	Gmdrm	hyper	CHH	0.046

Gm07	1715161	1715359	Gmdrm	hyper	CHH	0.0933
Gm07	1734856	1735844	Gmdrm	hyper	CHH	0.0148
Gm07	1737584	1738377	Gmdrm	hyper	CHH	0.0189
Gm07	1754711	1755702	Gmdrm	hyper	CHH	0.009
Gm07	1759637	1760631	Gmdrm	hyper	CHH	0.0099
Gm07	1799697	1800667	Gmdrm	hyper	CHH	0.0281
Gm07	1804401	1805269	Gmdrm	hyper	CHH	0.0214
Gm07	1827378	1828360	Gmdrm	hyper	CHH	0.0203
Gm07	1860056	1861052	Gmdrm	hyper	CHH	0.0232
Gm07	1866212	1867111	Gmdrm	hyper	CHH	0.0216
Gm07	1973889	1974577	Gmdrm	hyper	CHH	0.0143
Gm07	1992276	1993273	Gmdrm	hyper	CHH	0.0137
Gm07	2022749	2023516	Gmdrm	hyper	CHH	0.0146
Gm07	2085503	2086488	Gmdrm	hyper	CHH	0.0153
Gm07	2086513	2087513	Gmdrm	hyper	CHH	0.0252
Gm07	2094081	2094210	Gmdrm	hyper	CHH	0.0366
Gm07	2108735	2109719	Gmdrm	hyper	CHH	0.0197
Gm07	2171707	2171939	Gmdrm	hyper	CHH	0.0368
Gm07	2188046	2188220	Gmdrm	hyper	CHH	0.0557
Gm07	2256986	2257134	Gmdrm	hyper	CHH	0.0422
Gm07	2340848	2341474	Gmdrm	hyper	CHH	0.0454
Gm07	2341593	2342489	Gmdrm	hyper	CHH	0.0367
Gm07	2386904	2387234	Gmdrm	hyper	CHH	0.0257
Gm07	2389121	2390083	Gmdrm	hyper	CHH	0.0189
Gm07	2435070	2435316	Gmdrm	hyper	CHH	0.0413
Gm07	2450188	2451122	Gmdrm	hyper	CHH	0.0202
Gm07	2465395	2465953	Gmdrm	hyper	CHH	0.0406
Gm07	2467096	2467640	Gmdrm	hyper	CHH	0.019
Gm07	2546857	2547849	Gmdrm	hyper	CHH	0.0177
Gm07	2577234	2577410	Gmdrm	hyper	CHH	0.0233
Gm07	2601810	2602549	Gmdrm	hyper	CHH	0.0216
Gm07	2647628	2647718	Gmdrm	hyper	CHH	0.1313
Gm07	2722314	2723303	Gmdrm	hyper	CHH	0.0141
Gm07	2826879	2827869	Gmdrm	hyper	CHH	0.0246
Gm07	2920033	2921014	Gmdrm	hyper	CHH	0.0154
Gm07	2925472	2926448	Gmdrm	hyper	CHH	0.0178
Gm07	2966988	2967961	Gmdrm	hyper	CHH	0.0235
Gm07	2993384	2994381	Gmdrm	hyper	CHH	0.0196
Gm07	3058922	3059906	Gmdrm	hyper	CHH	0.0173
Gm07	3092438	3092980	Gmdrm	hyper	CHH	0.0182
Gm07	3265101	3266097	Gmdrm	hyper	CHH	0.0228
Gm07	3267113	3267579	Gmdrm	hyper	CHH	0.0233
Gm07	3268627	3268856	Gmdrm	hyper	CHH	0.0866
Gm07	3271447	3272224	Gmdrm	hyper	CHH	0.0206
Gm07	3285128	3286089	Gmdrm	hyper	CHH	0.0222
Gm07	3388806	3389537	Gmdrm	hyper	CHH	0.0295

Gm07	3438617	3439387	Gmdrm	hyper	CHH	0.0256
Gm07	3443272	3444259	Gmdrm	hyper	CHH	0.0268
Gm07	3455950	3456050	Gmdrm	hyper	CHH	0.02
Gm07	3480343	3480567	Gmdrm	hyper	CHH	0.0491
Gm07	3488595	3488891	Gmdrm	hyper	CHH	0.0462
Gm07	3489446	3490424	Gmdrm	hyper	CHH	0.0139
Gm07	3495022	3495998	Gmdrm	hyper	CHH	0.0194
Gm07	3522267	3523251	Gmdrm	hyper	CHH	0.0182
Gm07	3533123	3534119	Gmdrm	hyper	CHH	0.0251
Gm07	3538812	3539810	Gmdrm	hyper	CHH	0.0181
Gm07	3559009	3559986	Gmdrm	hyper	CHH	0.0163
Gm07	3561031	3562015	Gmdrm	hyper	CHH	0.0415
Gm07	3643116	3644105	Gmdrm	hyper	CHH	0.022
Gm07	3677280	3678278	Gmdrm	hyper	CHH	0.0136
Gm07	3713618	3714604	Gmdrm	hyper	CHH	0.0188
Gm07	3767413	3768406	Gmdrm	hyper	CHH	0.0145
Gm07	3769100	3770099	Gmdrm	hyper	CHH	0.0188
Gm07	3791663	3792020	Gmdrm	hyper	CHH	0.0713
Gm07	3799185	3800129	Gmdrm	hyper	CHH	0.0181
Gm07	3861253	3862253	Gmdrm	hyper	CHH	0.0325
Gm07	3906116	3907076	Gmdrm	hyper	CHH	0.0258
Gm07	3908178	3909150	Gmdrm	hyper	CHH	0.0139
Gm07	3953547	3954535	Gmdrm	hyper	CHH	0.0202
Gm07	4005177	4005734	Gmdrm	hyper	CHH	0.016
Gm07	4058124	4059106	Gmdrm	hyper	CHH	0.0244
Gm07	4083581	4084538	Gmdrm	hyper	CHH	0.017
Gm07	4102589	4103577	Gmdrm	hyper	CHH	0.0597
Gm07	4131831	4132366	Gmdrm	hyper	CHH	0.0219
Gm07	4173314	4173453	Gmdrm	hyper	CHH	0.11
Gm07	4180812	4180996	Gmdrm	hyper	CHH	0.0567
Gm07	4204844	4205841	Gmdrm	hyper	CHH	0.0157
Gm07	4315683	4316274	Gmdrm	hyper	CHH	0.0461
Gm07	4372789	4373644	Gmdrm	hyper	CHH	0.0154
Gm07	4467182	4467571	Gmdrm	hyper	CHH	0.0321
Gm07	4480245	4481223	Gmdrm	hyper	CHH	0.0148
Gm07	4484176	4485152	Gmdrm	hyper	CHH	0.0226
Gm07	4531473	4532473	Gmdrm	hyper	CHH	0.0112
Gm07	4585608	4586602	Gmdrm	hyper	CHH	0.0103
Gm07	4587977	4588967	Gmdrm	hyper	CHH	0.0253
Gm07	4663354	4664352	Gmdrm	hyper	CHH	0.0209
Gm07	4687522	4688507	Gmdrm	hyper	CHH	0.0165
Gm07	4733233	4734229	Gmdrm	hyper	CHH	0.0211
Gm07	4811736	4812733	Gmdrm	hyper	CHH	0.024
Gm07	4886068	4887065	Gmdrm	hyper	CHH	0.0187
Gm07	4890104	4891094	Gmdrm	hyper	CHH	0.027
Gm07	4926012	4926219	Gmdrm	hyper	CHH	0.043

Gm07	4943897	4944435	Gmdrm	hyper	CHH	0.0244
Gm07	4956887	4957851	Gmdrm	hyper	CHH	0.0198
Gm07	4992018	4992929	Gmdrm	hyper	CHH	0.0165
Gm07	5059900	5060568	Gmdrm	hyper	CHH	0.0513
Gm07	5079845	5080814	Gmdrm	hyper	CHH	0.0117
Gm07	5120860	5121445	Gmdrm	hyper	CHH	0.02
Gm07	5142982	5143957	Gmdrm	hyper	CHH	0.0204
Gm07	5219225	5219861	Gmdrm	hyper	CHH	0.0161
Gm07	5237528	5238496	Gmdrm	hyper	CHH	0.026
Gm07	5238529	5239510	Gmdrm	hyper	CHH	0.0183
Gm07	5246993	5247993	Gmdrm	hyper	CHH	0.0306
Gm07	5261756	5262751	Gmdrm	hyper	CHH	0.013
Gm07	5294912	5295886	Gmdrm	hyper	CHH	0.0124
Gm07	5310914	5311646	Gmdrm	hyper	CHH	0.042
Gm07	5330529	5331498	Gmdrm	hyper	CHH	0.0147
Gm07	5345161	5346069	Gmdrm	hyper	CHH	0.0124
Gm07	5374691	5374912	Gmdrm	hyper	CHH	0.044
Gm07	5375322	5376322	Gmdrm	hyper	CHH	0.0187
Gm07	5385024	5386018	Gmdrm	hyper	CHH	0.0294
Gm07	5503797	5504422	Gmdrm	hyper	CHH	0.0246
Gm07	5524388	5525373	Gmdrm	hyper	CHH	0.013
Gm07	5540864	5541827	Gmdrm	hyper	CHH	0.0176
Gm07	5572589	5572935	Gmdrm	hyper	CHH	0.0542
Gm07	5624066	5624550	Gmdrm	hyper	CHH	0.0416
Gm07	5652249	5652373	Gmdrm	hyper	CHH	0.0546
Gm07	5708698	5709681	Gmdrm	hyper	CHH	0.0065
Gm07	5726104	5727101	Gmdrm	hyper	CHH	0.0153
Gm07	5749033	5749643	Gmdrm	hyper	CHH	0.0341
Gm07	5779550	5779930	Gmdrm	hyper	CHH	0.0663
Gm07	5815021	5815633	Gmdrm	hyper	CHH	0.0122
Gm07	5834737	5835704	Gmdrm	hyper	CHH	0.0201
Gm07	5835745	5836715	Gmdrm	hyper	CHH	0.0231
Gm07	5841800	5842799	Gmdrm	hyper	CHH	0.0205
Gm07	5868535	5869188	Gmdrm	hyper	CHH	0.0224
Gm07	5922673	5922904	Gmdrm	hyper	CHH	0.0295
Gm07	5928416	5929099	Gmdrm	hyper	CHH	0.0573
Gm07	5943974	5944898	Gmdrm	hyper	CHH	0.0231
Gm07	5954678	5955670	Gmdrm	hyper	CHH	0.0258
Gm07	5965011	5966005	Gmdrm	hyper	CHH	0.0536
Gm07	5988858	5989852	Gmdrm	hyper	CHH	0.0133
Gm07	5992397	5993372	Gmdrm	hyper	CHH	0.0152
Gm07	6121053	6122032	Gmdrm	hyper	CHH	0.0141
Gm07	6152913	6152993	Gmdrm	hyper	CHH	0.0313
Gm07	6163059	6164035	Gmdrm	hyper	CHH	0.0156
Gm07	6189961	6190949	Gmdrm	hyper	CHH	0.0189
Gm07	6225028	6225998	Gmdrm	hyper	CHH	0.0142

Gm07	6236624	6237614	Gmdrm	hyper	CHH	0.0237
Gm07	6277096	6278051	Gmdrm	hyper	CHH	0.0411
Gm07	6362272	6362585	Gmdrm	hyper	CHH	0.0258
Gm07	6499587	6500545	Gmdrm	hyper	CHH	0.0165
Gm07	6500645	6501638	Gmdrm	hyper	CHH	0.0448
Gm07	6667357	6668335	Gmdrm	hyper	CHH	0.0169
Gm07	6698651	6699638	Gmdrm	hyper	CHH	0.012
Gm07	6739337	6740334	Gmdrm	hyper	CHH	0.0409
Gm07	6741369	6741821	Gmdrm	hyper	CHH	0.0217
Gm07	6853935	6854935	Gmdrm	hyper	CHH	0.0127
Gm07	6893071	6893571	Gmdrm	hyper	CHH	0.0282
Gm07	6914096	6915087	Gmdrm	hyper	CHH	0.0122
Gm07	6960021	6961020	Gmdrm	hyper	CHH	0.0122
Gm07	6980902	6981895	Gmdrm	hyper	CHH	0.0152
Gm07	7049692	7050167	Gmdrm	hyper	CHH	0.0147
Gm07	7065491	7066276	Gmdrm	hyper	CHH	0.0279
Gm07	7113752	7114428	Gmdrm	hyper	CHH	0.014
Gm07	7153370	7154330	Gmdrm	hyper	CHH	0.0207
Gm07	7187813	7188687	Gmdrm	hyper	CHH	0.0294
Gm07	7196497	7197303	Gmdrm	hyper	CHH	0.026
Gm07	7261923	7262297	Gmdrm	hyper	CHH	0.0293
Gm07	7317144	7317713	Gmdrm	hyper	CHH	0.0169
Gm07	7343923	7344018	Gmdrm	hyper	CHH	0.0609
Gm07	7344121	7345116	Gmdrm	hyper	CHH	0.0226
Gm07	7383501	7384496	Gmdrm	hyper	CHH	0.0327
Gm07	7461159	7462159	Gmdrm	hyper	CHH	0.0138
Gm07	7502012	7502993	Gmdrm	hyper	CHH	0.0171
Gm07	7511409	7512064	Gmdrm	hyper	CHH	0.0171
Gm07	7626675	7627668	Gmdrm	hyper	CHH	0.0231
Gm07	7746656	7747615	Gmdrm	hyper	CHH	0.0282
Gm07	7760333	7761333	Gmdrm	hyper	CHH	0.0111
Gm07	7802937	7803208	Gmdrm	hyper	CHH	0.0318
Gm07	7879005	7879377	Gmdrm	hyper	CHH	0.0412
Gm07	7885167	7886156	Gmdrm	hyper	CHH	0.0202
Gm07	7908668	7909637	Gmdrm	hyper	CHH	0.0153
Gm07	7919739	7920725	Gmdrm	hyper	CHH	0.0262
Gm07	7927731	7928731	Gmdrm	hyper	CHH	0.0115
Gm07	7984870	7985868	Gmdrm	hyper	CHH	0.0473
Gm07	8054022	8055017	Gmdrm	hyper	CHH	0.0203
Gm07	8098112	8099111	Gmdrm	hyper	CHH	0.0377
Gm07	8100139	8101138	Gmdrm	hyper	CHH	0.0244
Gm07	8111933	8112071	Gmdrm	hyper	CHH	0.0671
Gm07	8117444	8118424	Gmdrm	hyper	CHH	0.0132
Gm07	8172298	8173274	Gmdrm	hyper	CHH	0.0208
Gm07	8207437	8208434	Gmdrm	hyper	CHH	0.0355
Gm07	8235008	8235303	Gmdrm	hyper	CHH	0.0508

Gm07	8250976	8251952	Gmdrm	hyper	CHH	0.0175
Gm07	8253015	8253995	Gmdrm	hyper	CHH	0.0107
Gm07	8281923	8282856	Gmdrm	hyper	CHH	0.0195
Gm07	8300024	8300988	Gmdrm	hyper	CHH	0.0135
Gm07	8341425	8342421	Gmdrm	hyper	CHH	0.0115
Gm07	8352165	8353146	Gmdrm	hyper	CHH	0.0122
Gm07	8395254	8396233	Gmdrm	hyper	CHH	0.0128
Gm07	8400739	8401671	Gmdrm	hyper	CHH	0.0219
Gm07	8421100	8422067	Gmdrm	hyper	CHH	0.0125
Gm07	8594744	8595022	Gmdrm	hyper	CHH	0.027
Gm07	8644542	8644981	Gmdrm	hyper	CHH	0.0165
Gm07	8649019	8650007	Gmdrm	hyper	CHH	0.013
Gm07	8740221	8740948	Gmdrm	hyper	CHH	0.0386
Gm07	8824321	8825315	Gmdrm	hyper	CHH	0.0166
Gm07	8906010	8906997	Gmdrm	hyper	CHH	0.03
Gm07	8918253	8919185	Gmdrm	hyper	CHH	0.0362
Gm07	9025634	9026623	Gmdrm	hyper	CHH	0.0218
Gm07	9054849	9054993	Gmdrm	hyper	CHH	0.1338
Gm07	9060240	9061234	Gmdrm	hyper	CHH	0.011
Gm07	9086307	9086361	Gmdrm	hyper	CHH	0.0783
Gm07	9191355	9192351	Gmdrm	hyper	CHH	0.0184
Gm07	9251138	9251467	Gmdrm	hyper	CHH	0.0287
Gm07	9255287	9256260	Gmdrm	hyper	CHH	0.0159
Gm07	9256313	9256637	Gmdrm	hyper	CHH	0.0382
Gm07	9269018	9270015	Gmdrm	hyper	CHH	0.0126
Gm07	9337927	9338904	Gmdrm	hyper	CHH	0.0146
Gm07	9344724	9345694	Gmdrm	hyper	CHH	0.0317
Gm07	9371270	9372250	Gmdrm	hyper	CHH	0.0236
Gm07	9375579	9376569	Gmdrm	hyper	CHH	0.0328
Gm07	9378629	9379607	Gmdrm	hyper	CHH	0.0123
Gm07	9413250	9414238	Gmdrm	hyper	CHH	0.0214
Gm07	9418688	9419686	Gmdrm	hyper	CHH	0.0364
Gm07	9463697	9464639	Gmdrm	hyper	CHH	0.02
Gm07	9499347	9500191	Gmdrm	hyper	CHH	0.019
Gm07	9500298	9500516	Gmdrm	hyper	CHH	0.05
Gm07	9590667	9591643	Gmdrm	hyper	CHH	0.0149
Gm07	9591673	9592655	Gmdrm	hyper	CHH	0.0208
Gm07	9641126	9641917	Gmdrm	hyper	CHH	0.0172
Gm07	9684395	9685386	Gmdrm	hyper	CHH	0.0125
Gm07	9765505	9766493	Gmdrm	hyper	CHH	0.0203
Gm07	9916879	9917878	Gmdrm	hyper	CHH	0.0188
Gm07	9949655	9950644	Gmdrm	hyper	CHH	0.0156
Gm07	10011126	10012122	Gmdrm	hyper	CHH	0.0154
Gm07	10054867	10055523	Gmdrm	hyper	CHH	0.0355
Gm07	10106816	10107803	Gmdrm	hyper	CHH	0.0252
Gm07	10125777	10126538	Gmdrm	hyper	CHH	0.0204

Gm07	10133017	10134016	Gmdrm	hyper	CHH	0.0152
Gm07	10208197	10209192	Gmdrm	hyper	CHH	0.0147
Gm07	10225803	10226502	Gmdrm	hyper	CHH	0.0814
Gm07	10228022	10229021	Gmdrm	hyper	CHH	0.0122
Gm07	10264673	10265671	Gmdrm	hyper	CHH	0.0179
Gm07	10363283	10363608	Gmdrm	hyper	CHH	0.1019
Gm07	10364804	10365786	Gmdrm	hyper	CHH	0.0251
Gm07	10406199	10406291	Gmdrm	hyper	CHH	0.05
Gm07	10408530	10408737	Gmdrm	hyper	CHH	0.0869
Gm07	10426625	10427041	Gmdrm	hyper	CHH	0.0392
Gm07	10452871	10453868	Gmdrm	hyper	CHH	0.0208
Gm07	10496297	10497284	Gmdrm	hyper	CHH	0.0248
Gm07	10528096	10529077	Gmdrm	hyper	CHH	0.0237
Gm07	10548067	10549039	Gmdrm	hyper	CHH	0.0382
Gm07	10578743	10579284	Gmdrm	hyper	CHH	0.049
Gm07	10625885	10626792	Gmdrm	hyper	CHH	0.0207
Gm07	10652869	10653858	Gmdrm	hyper	CHH	0.0155
Gm07	10755356	10756356	Gmdrm	hyper	CHH	0.0172
Gm07	10775067	10776053	Gmdrm	hyper	CHH	0.0509
Gm07	10797723	10798717	Gmdrm	hyper	CHH	0.0444
Gm07	10798732	10799716	Gmdrm	hyper	CHH	0.0112
Gm07	10826957	10827069	Gmdrm	hyper	CHH	0.3
Gm07	10850582	10851579	Gmdrm	hyper	CHH	0.0175
Gm07	10894325	10894552	Gmdrm	hyper	CHH	0.0288
Gm07	10908643	10909594	Gmdrm	hyper	CHH	0.0387
Gm07	11096016	11097015	Gmdrm	hyper	CHH	0.0296
Gm07	11120088	11121085	Gmdrm	hyper	CHH	0.0782
Gm07	11201438	11201915	Gmdrm	hyper	CHH	0.0395
Gm07	11391076	11392075	Gmdrm	hyper	CHH	0.0396
Gm07	11392087	11393085	Gmdrm	hyper	CHH	0.0536
Gm07	11393088	11394086	Gmdrm	hyper	CHH	0.0668
Gm07	11394093	11395093	Gmdrm	hyper	CHH	0.0479
Gm07	11455295	11456292	Gmdrm	hyper	CHH	0.0625
Gm07	11530928	11531928	Gmdrm	hyper	CHH	0.0206
Gm07	11561247	11562205	Gmdrm	hyper	CHH	0.0374
Gm07	11713053	11714053	Gmdrm	hyper	CHH	0.0432
Gm07	11809569	11809776	Gmdrm	hyper	CHH	0.085
Gm07	11824054	11825050	Gmdrm	hyper	CHH	0.0336
Gm07	11931818	11932817	Gmdrm	hyper	CHH	0.0504
Gm07	12030861	12030967	Gmdrm	hyper	CHH	0.1167
Gm07	12053750	12054750	Gmdrm	hyper	CHH	0.0602
Gm07	12146505	12147004	Gmdrm	hyper	CHH	0.0774
Gm07	12457692	12457890	Gmdrm	hyper	CHH	0.0287
Gm07	12530939	12531930	Gmdrm	hyper	CHH	0.0176
Gm07	12570681	12571604	Gmdrm	hyper	CHH	0.0685
Gm07	12691076	12691587	Gmdrm	hyper	CHH	0.0984

Gm07	12715796	12716793	Gmdrm	hyper	CHH	0.0411
Gm07	12719821	12720817	Gmdrm	hyper	CHH	0.0459
Gm07	12772395	12773393	Gmdrm	hyper	CHH	0.0435
Gm07	12778564	12779556	Gmdrm	hyper	CHH	0.0662
Gm07	12945243	12946124	Gmdrm	hyper	CHH	0.0594
Gm07	12949413	12950409	Gmdrm	hyper	CHH	0.0422
Gm07	13193960	13194949	Gmdrm	hyper	CHH	0.1699
Gm07	13194964	13195955	Gmdrm	hyper	CHH	0.2122
Gm07	13195975	13196958	Gmdrm	hyper	CHH	0.076
Gm07	13252632	13253615	Gmdrm	hyper	CHH	0.0523
Gm07	13318285	13319274	Gmdrm	hyper	CHH	0.0284
Gm07	13388812	13389808	Gmdrm	hyper	CHH	0.0196
Gm07	13407942	13408936	Gmdrm	hyper	CHH	0.0269
Gm07	13457213	13458203	Gmdrm	hyper	CHH	0.0297
Gm07	13585742	13586388	Gmdrm	hyper	CHH	0.0092
Gm07	13643281	13644053	Gmdrm	hyper	CHH	0.0267
Gm07	13707169	13708122	Gmdrm	hyper	CHH	0.0133
Gm07	13724899	13725884	Gmdrm	hyper	CHH	0.0242
Gm07	13797749	13798722	Gmdrm	hyper	CHH	0.0372
Gm07	13888651	13889327	Gmdrm	hyper	CHH	0.0182
Gm07	13924949	13925946	Gmdrm	hyper	CHH	0.0385
Gm07	13940076	13940618	Gmdrm	hyper	CHH	0.0145
Gm07	13962607	13963591	Gmdrm	hyper	CHH	0.0176
Gm07	13992048	13993022	Gmdrm	hyper	CHH	0.0142
Gm07	13994094	13995079	Gmdrm	hyper	CHH	0.0256
Gm07	13999693	13999977	Gmdrm	hyper	CHH	0.0369
Gm07	14222631	14223262	Gmdrm	hyper	CHH	0.023
Gm07	14306057	14307038	Gmdrm	hyper	CHH	0.0165
Gm07	14325061	14325772	Gmdrm	hyper	CHH	0.0354
Gm07	14376187	14376509	Gmdrm	hyper	CHH	0.0464
Gm07	14589047	14589663	Gmdrm	hyper	CHH	0.0343
Gm07	14623391	14624384	Gmdrm	hyper	CHH	0.0569
Gm07	14628613	14629547	Gmdrm	hyper	CHH	0.0142
Gm07	14650661	14651627	Gmdrm	hyper	CHH	0.0185
Gm07	14666937	14667703	Gmdrm	hyper	CHH	0.0284
Gm07	14691211	14691928	Gmdrm	hyper	CHH	0.0239
Gm07	14759764	14760708	Gmdrm	hyper	CHH	0.0441
Gm07	14894715	14895660	Gmdrm	hyper	CHH	0.012
Gm07	15168711	15169710	Gmdrm	hyper	CHH	0.0157
Gm07	15261770	15262759	Gmdrm	hyper	CHH	0.0137
Gm07	15313353	15314348	Gmdrm	hyper	CHH	0.0255
Gm07	15317164	15318153	Gmdrm	hyper	CHH	0.0156
Gm07	15320569	15321547	Gmdrm	hyper	CHH	0.0138
Gm07	15331570	15332570	Gmdrm	hyper	CHH	0.0335
Gm07	15348723	15349688	Gmdrm	hyper	CHH	0.0155
Gm07	15353744	15354339	Gmdrm	hyper	CHH	0.0236

Gm07	15381777	15381861	Gmdrm	hyper	CHH	0.1117
Gm07	15431463	15431837	Gmdrm	hyper	CHH	0.0561
Gm07	15449174	15450135	Gmdrm	hyper	CHH	0.0294
Gm07	15456655	15456734	Gmdrm	hyper	CHH	0.082
Gm07	15458939	15459907	Gmdrm	hyper	CHH	0.0182
Gm07	15474174	15474345	Gmdrm	hyper	CHH	0.0371
Gm07	15489790	15490787	Gmdrm	hyper	CHH	0.0128
Gm07	15508541	15509523	Gmdrm	hyper	CHH	0.0547
Gm07	15509543	15510526	Gmdrm	hyper	CHH	0.0816
Gm07	15612534	15613527	Gmdrm	hyper	CHH	0.0183
Gm07	15673191	15674166	Gmdrm	hyper	CHH	0.0162
Gm07	15680419	15680497	Gmdrm	hyper	CHH	0.035
Gm07	15681696	15682669	Gmdrm	hyper	CHH	0.0168
Gm07	15693827	15694769	Gmdrm	hyper	CHH	0.012
Gm07	15801880	15802596	Gmdrm	hyper	CHH	0.0177
Gm07	15908172	15908516	Gmdrm	hyper	CHH	0.0221
Gm07	15937336	15937659	Gmdrm	hyper	CHH	0.0509
Gm07	15966883	15967879	Gmdrm	hyper	CHH	0.0453
Gm07	16048088	16049055	Gmdrm	hyper	CHH	0.0169
Gm07	16068536	16069112	Gmdrm	hyper	CHH	0.018
Gm07	16102506	16103475	Gmdrm	hyper	CHH	0.0255
Gm07	16125005	16126001	Gmdrm	hyper	CHH	0.0178
Gm07	16134636	16135636	Gmdrm	hyper	CHH	0.0134
Gm07	16160810	16161363	Gmdrm	hyper	CHH	0.0266
Gm07	16184868	16185854	Gmdrm	hyper	CHH	0.0137
Gm07	16229507	16230436	Gmdrm	hyper	CHH	0.0248
Gm07	16272348	16273345	Gmdrm	hyper	CHH	0.0457
Gm07	16289320	16290312	Gmdrm	hyper	CHH	0.0866
Gm07	16290321	16291319	Gmdrm	hyper	CHH	0.0916
Gm07	16291325	16292325	Gmdrm	hyper	CHH	0.0539
Gm07	16297108	16298104	Gmdrm	hyper	CHH	0.0494
Gm07	16311051	16312023	Gmdrm	hyper	CHH	0.0221
Gm07	16334252	16335237	Gmdrm	hyper	CHH	0.017
Gm07	16386361	16386503	Gmdrm	hyper	CHH	0.0612
Gm07	16430898	16431074	Gmdrm	hyper	CHH	0.0589
Gm07	16440589	16441517	Gmdrm	hyper	CHH	0.0256
Gm07	16443651	16443819	Gmdrm	hyper	CHH	0.0356
Gm07	16580653	16581647	Gmdrm	hyper	CHH	0.0127
Gm07	16603921	16604470	Gmdrm	hyper	CHH	0.0263
Gm07	16768637	16769637	Gmdrm	hyper	CHH	0.0341
Gm07	16811755	16811923	Gmdrm	hyper	CHH	0.0375
Gm07	16957567	16958321	Gmdrm	hyper	CHH	0.0223
Gm07	17033010	17034009	Gmdrm	hyper	CHH	0.019
Gm07	17035768	17036751	Gmdrm	hyper	CHH	0.0145
Gm07	17063216	17064211	Gmdrm	hyper	CHH	0.0222
Gm07	17084857	17085851	Gmdrm	hyper	CHH	0.0108

Gm07	17111376	17112373	Gmdrm	hyper	CHH	0.0335
Gm07	17142550	17142978	Gmdrm	hyper	CHH	0.0149
Gm07	17205815	17206813	Gmdrm	hyper	CHH	0.0382
Gm07	17214321	17215318	Gmdrm	hyper	CHH	0.0621
Gm07	17236260	17236338	Gmdrm	hyper	CHH	0.132
Gm07	17318611	17319590	Gmdrm	hyper	CHH	0.0138
Gm07	17383374	17384091	Gmdrm	hyper	CHH	0.0156
Gm07	17388296	17388853	Gmdrm	hyper	CHH	0.0144
Gm07	17441112	17442112	Gmdrm	hyper	CHH	0.0649
Gm07	17527307	17528013	Gmdrm	hyper	CHH	0.0841
Gm07	17570267	17571267	Gmdrm	hyper	CHH	0.018
Gm07	17639224	17640211	Gmdrm	hyper	CHH	0.0763
Gm07	17640227	17641223	Gmdrm	hyper	CHH	0.0632
Gm07	17641230	17642225	Gmdrm	hyper	CHH	0.0544
Gm07	17642231	17643222	Gmdrm	hyper	CHH	0.1159
Gm07	17643233	17644221	Gmdrm	hyper	CHH	0.0685
Gm07	17766876	17767862	Gmdrm	hyper	CHH	0.0275
Gm07	17789130	17790123	Gmdrm	hyper	CHH	0.0148
Gm07	17803596	17804214	Gmdrm	hyper	CHH	0.049
Gm07	17840593	17841176	Gmdrm	hyper	CHH	0.0238
Gm07	18043114	18043852	Gmdrm	hyper	CHH	0.0389
Gm07	18044017	18045015	Gmdrm	hyper	CHH	0.012
Gm07	18079591	18080586	Gmdrm	hyper	CHH	0.0198
Gm07	18150494	18151485	Gmdrm	hyper	CHH	0.0349
Gm07	18165147	18166145	Gmdrm	hyper	CHH	0.0131
Gm07	18179074	18180068	Gmdrm	hyper	CHH	0.0507
Gm07	18255097	18256078	Gmdrm	hyper	CHH	0.0224
Gm07	18341104	18342085	Gmdrm	hyper	CHH	0.0343
Gm07	18428344	18428885	Gmdrm	hyper	CHH	0.0975
Gm07	18433205	18433433	Gmdrm	hyper	CHH	0.0479
Gm07	18483435	18484395	Gmdrm	hyper	CHH	0.0202
Gm07	18655908	18656694	Gmdrm	hyper	CHH	0.0342
Gm07	18749656	18749779	Gmdrm	hyper	CHH	0.0719
Gm07	18998790	18999780	Gmdrm	hyper	CHH	0.0644
Gm07	19083152	19084121	Gmdrm	hyper	CHH	0.0142
Gm07	19127197	19128160	Gmdrm	hyper	CHH	0.0093
Gm07	19265980	19266980	Gmdrm	hyper	CHH	0.0415
Gm07	19287277	19288274	Gmdrm	hyper	CHH	0.0271
Gm07	19289015	19289256	Gmdrm	hyper	CHH	0.0341
Gm07	19325895	19326893	Gmdrm	hyper	CHH	0.041
Gm07	19440442	19441433	Gmdrm	hyper	CHH	0.0589
Gm07	19656969	19657968	Gmdrm	hyper	CHH	0.037
Gm07	20104351	20105350	Gmdrm	hyper	CHH	0.0379
Gm07	20146916	20147902	Gmdrm	hyper	CHH	0.0232
Gm07	20208757	20209757	Gmdrm	hyper	CHH	0.0603
Gm07	20383862	20384862	Gmdrm	hyper	CHH	0.064

Gm07	20574053	20575050	Gmdrm	hyper	CHH	0.0169
Gm07	20625250	20626249	Gmdrm	hyper	CHH	0.0477
Gm07	21004821	21005817	Gmdrm	hyper	CHH	0.0279
Gm07	21083705	21084705	Gmdrm	hyper	CHH	0.0683
Gm07	21275124	21276121	Gmdrm	hyper	CHH	0.0403
Gm07	21392362	21392561	Gmdrm	hyper	CHH	0.0559
Gm07	21673855	21674851	Gmdrm	hyper	CHH	0.0715
Gm07	21674856	21675854	Gmdrm	hyper	CHH	0.0428
Gm07	21747829	21748824	Gmdrm	hyper	CHH	0.0381
Gm07	21751252	21751468	Gmdrm	hyper	CHH	0.0955
Gm07	21818507	21818948	Gmdrm	hyper	CHH	0.0785
Gm07	21859949	21860645	Gmdrm	hyper	CHH	0.0859
Gm07	21882235	21882268	Gmdrm	hyper	CHH	0.254
Gm07	22188439	22188530	Gmdrm	hyper	CHH	0.136
Gm07	22410380	22410683	Gmdrm	hyper	CHH	0.0873
Gm07	22479934	22480934	Gmdrm	hyper	CHH	0.0548
Gm07	22481947	22482934	Gmdrm	hyper	CHH	0.0404
Gm07	22676506	22677477	Gmdrm	hyper	CHH	0.0516
Gm07	22859809	22860805	Gmdrm	hyper	CHH	0.0673
Gm07	22997684	22998680	Gmdrm	hyper	CHH	0.0589
Gm07	23129481	23130017	Gmdrm	hyper	CHH	0.0867
Gm07	23342946	23343363	Gmdrm	hyper	CHH	0.0726
Gm07	23392375	23392962	Gmdrm	hyper	CHH	0.0874
Gm07	23478695	23479681	Gmdrm	hyper	CHH	0.0496
Gm07	23483718	23484717	Gmdrm	hyper	CHH	0.0523
Gm07	23566769	23567693	Gmdrm	hyper	CHH	0.0762
Gm07	23672055	23673046	Gmdrm	hyper	CHH	0.0114
Gm07	23688746	23689743	Gmdrm	hyper	CHH	0.0962
Gm07	23769780	23770034	Gmdrm	hyper	CHH	0.1254
Gm07	23828678	23829307	Gmdrm	hyper	CHH	0.0849
Gm07	23848267	23848310	Gmdrm	hyper	CHH	0.17
Gm07	24226124	24227012	Gmdrm	hyper	CHH	0.0938
Gm07	24259685	24259729	Gmdrm	hyper	CHH	0.32
Gm07	24427258	24427314	Gmdrm	hyper	CHH	0.1029
Gm07	24536816	24537341	Gmdrm	hyper	CHH	0.1119
Gm07	24537499	24537635	Gmdrm	hyper	CHH	0.18
Gm07	24539525	24540522	Gmdrm	hyper	CHH	0.0526
Gm07	24548437	24548593	Gmdrm	hyper	CHH	0.1884
Gm07	24562241	24562573	Gmdrm	hyper	CHH	0.085
Gm07	24711291	24711376	Gmdrm	hyper	CHH	0.1062
Gm07	24826859	24827853	Gmdrm	hyper	CHH	0.0631
Gm07	24853291	24854287	Gmdrm	hyper	CHH	0.0577
Gm07	25172063	25173017	Gmdrm	hyper	CHH	0.0537
Gm07	25371013	25372009	Gmdrm	hyper	CHH	0.0627
Gm07	25419100	25419429	Gmdrm	hyper	CHH	0.0953
Gm07	25549621	25550614	Gmdrm	hyper	CHH	0.0476

Gm07	25550622	25551618	Gmdrm	hyper	CHH	0.0505
Gm07	25578883	25579870	Gmdrm	hyper	CHH	0.0587
Gm07	25674028	25675025	Gmdrm	hyper	CHH	0.052
Gm07	25742153	25742234	Gmdrm	hyper	CHH	0.1234
Gm07	25756501	25756643	Gmdrm	hyper	CHH	0.1377
Gm07	25927851	25927903	Gmdrm	hyper	CHH	0.0417
Gm07	26003347	26004343	Gmdrm	hyper	CHH	0.0452
Gm07	26120541	26121533	Gmdrm	hyper	CHH	0.0192
Gm07	26122561	26123548	Gmdrm	hyper	CHH	0.0128
Gm07	26448221	26448444	Gmdrm	hyper	CHH	0.1493
Gm07	26778081	26778208	Gmdrm	hyper	CHH	0.1701
Gm07	26935772	26936489	Gmdrm	hyper	CHH	0.1007
Gm07	26976348	26977344	Gmdrm	hyper	CHH	0.0175
Gm07	27027845	27028815	Gmdrm	hyper	CHH	0.0671
Gm07	27046593	27047431	Gmdrm	hyper	CHH	0.0826
Gm07	27115980	27116978	Gmdrm	hyper	CHH	0.1324
Gm07	27147310	27147557	Gmdrm	hyper	CHH	0.2158
Gm07	27176520	27177068	Gmdrm	hyper	CHH	0.0565
Gm07	27196206	27197204	Gmdrm	hyper	CHH	0.0498
Gm07	27225776	27226290	Gmdrm	hyper	CHH	0.1012
Gm07	27251366	27251502	Gmdrm	hyper	CHH	0.2262
Gm07	27313376	27313946	Gmdrm	hyper	CHH	0.0331
Gm07	27355938	27356933	Gmdrm	hyper	CHH	0.0378
Gm07	27551045	27551767	Gmdrm	hyper	CHH	0.066
Gm07	27967312	27968180	Gmdrm	hyper	CHH	0.0736
Gm07	28108101	28109087	Gmdrm	hyper	CHH	0.031
Gm07	28134577	28135576	Gmdrm	hyper	CHH	0.0735
Gm07	28232810	28233804	Gmdrm	hyper	CHH	0.0549
Gm07	28360878	28361007	Gmdrm	hyper	CHH	0.1856
Gm07	28528507	28529501	Gmdrm	hyper	CHH	0.0233
Gm07	28531075	28531388	Gmdrm	hyper	CHH	0.0482
Gm07	28587333	28588332	Gmdrm	hyper	CHH	0.0475
Gm07	28619209	28619755	Gmdrm	hyper	CHH	0.0762
Gm07	28816758	28817313	Gmdrm	hyper	CHH	0.0836
Gm07	28827336	28827387	Gmdrm	hyper	CHH	0.2689
Gm07	28842132	28843120	Gmdrm	hyper	CHH	0.041
Gm07	29229379	29229667	Gmdrm	hyper	CHH	0.15
Gm07	29252846	29252958	Gmdrm	hyper	CHH	0.175
Gm07	29287315	29288314	Gmdrm	hyper	CHH	0.0326
Gm07	29409400	29409499	Gmdrm	hyper	CHH	0.07
Gm07	29516710	29517228	Gmdrm	hyper	CHH	0.0229
Gm07	29691937	29692922	Gmdrm	hyper	CHH	0.07
Gm07	29770095	29770247	Gmdrm	hyper	CHH	0.0318
Gm07	29774932	29775890	Gmdrm	hyper	CHH	0.0369
Gm07	29825752	29826743	Gmdrm	hyper	CHH	0.0162
Gm07	29971617	29971846	Gmdrm	hyper	CHH	0.1354

Gm07	29987347	29987962	Gmdrm	hyper	CHH	0.0552
Gm07	30202459	30203006	Gmdrm	hyper	CHH	0.0605
Gm07	30401525	30402097	Gmdrm	hyper	CHH	0.1492
Gm07	30409764	30410755	Gmdrm	hyper	CHH	0.0175
Gm07	30419918	30420885	Gmdrm	hyper	CHH	0.0162
Gm07	30523271	30523309	Gmdrm	hyper	CHH	0.0283
Gm07	31072268	31073261	Gmdrm	hyper	CHH	0.0223
Gm07	31196463	31197456	Gmdrm	hyper	CHH	0.0481
Gm07	31235330	31235806	Gmdrm	hyper	CHH	0.0617
Gm07	31251698	31252691	Gmdrm	hyper	CHH	0.0764
Gm07	31439290	31439479	Gmdrm	hyper	CHH	0.0319
Gm07	31619378	31619773	Gmdrm	hyper	CHH	0.1267
Gm07	31710774	31711772	Gmdrm	hyper	CHH	0.0421
Gm07	31929542	31930538	Gmdrm	hyper	CHH	0.0285
Gm07	31988693	31989311	Gmdrm	hyper	CHH	0.0839
Gm07	32478788	32479194	Gmdrm	hyper	CHH	0.0257
Gm07	32611479	32611564	Gmdrm	hyper	CHH	0.215
Gm07	32779253	32779756	Gmdrm	hyper	CHH	0.121
Gm07	32806275	32807274	Gmdrm	hyper	CHH	0.0437
Gm07	32849152	32849350	Gmdrm	hyper	CHH	0.1212
Gm07	33120470	33121457	Gmdrm	hyper	CHH	0.0162
Gm07	33242535	33243517	Gmdrm	hyper	CHH	0.0242
Gm07	33376124	33376387	Gmdrm	hyper	CHH	0.1391
Gm07	33502907	33503843	Gmdrm	hyper	CHH	0.0225
Gm07	33558691	33559685	Gmdrm	hyper	CHH	0.0256
Gm07	33648675	33648896	Gmdrm	hyper	CHH	0.2086
Gm07	33677628	33678621	Gmdrm	hyper	CHH	0.0315
Gm07	33866256	33866300	Gmdrm	hyper	CHH	0.17
Gm07	33947077	33948061	Gmdrm	hyper	CHH	0.0194
Gm07	34218875	34219811	Gmdrm	hyper	CHH	0.0496
Gm07	34271917	34272894	Gmdrm	hyper	CHH	0.0362
Gm07	34445668	34446178	Gmdrm	hyper	CHH	0.0452
Gm07	34469041	34469966	Gmdrm	hyper	CHH	0.0829
Gm07	34480362	34480555	Gmdrm	hyper	CHH	0.0586
Gm07	34527861	34528852	Gmdrm	hyper	CHH	0.0193
Gm07	34901523	34902518	Gmdrm	hyper	CHH	0.035
Gm07	34954503	34955493	Gmdrm	hyper	CHH	0.053
Gm07	34988511	34988560	Gmdrm	hyper	CHH	0.2478
Gm07	35329876	35330876	Gmdrm	hyper	CHH	0.0129
Gm07	35346470	35346859	Gmdrm	hyper	CHH	0.0205
Gm07	35534093	35534745	Gmdrm	hyper	CHH	0.029
Gm07	35535431	35536427	Gmdrm	hyper	CHH	0.0193
Gm07	35549500	35550476	Gmdrm	hyper	CHH	0.0174
Gm07	35566290	35567289	Gmdrm	hyper	CHH	0.0243
Gm07	35567312	35568306	Gmdrm	hyper	CHH	0.0275
Gm07	35594092	35594684	Gmdrm	hyper	CHH	0.0316

Gm07	35655363	35656351	Gmdrm	hyper	CHH	0.0167
Gm07	35692012	35693005	Gmdrm	hyper	CHH	0.0206
Gm07	35726648	35727625	Gmdrm	hyper	CHH	0.025
Gm07	35749331	35750057	Gmdrm	hyper	CHH	0.0143
Gm07	35783546	35783692	Gmdrm	hyper	CHH	0.038
Gm07	35800720	35801191	Gmdrm	hyper	CHH	0.0313
Gm07	35836380	35837370	Gmdrm	hyper	CHH	0.0143
Gm07	35848935	35849924	Gmdrm	hyper	CHH	0.0189
Gm07	35923735	35924733	Gmdrm	hyper	CHH	0.0148
Gm07	35925748	35926735	Gmdrm	hyper	CHH	0.032
Gm07	35933582	35934386	Gmdrm	hyper	CHH	0.0405
Gm07	36010497	36010928	Gmdrm	hyper	CHH	0.0335
Gm07	36032378	36033346	Gmdrm	hyper	CHH	0.0282
Gm07	36057621	36058613	Gmdrm	hyper	CHH	0.0163
Gm07	36129112	36129982	Gmdrm	hyper	CHH	0.0174
Gm07	36131121	36132072	Gmdrm	hyper	CHH	0.0161
Gm07	36160398	36161349	Gmdrm	hyper	CHH	0.0323
Gm07	36166704	36166794	Gmdrm	hyper	CHH	0.048
Gm07	36312449	36313443	Gmdrm	hyper	CHH	0.0219
Gm07	36492350	36492583	Gmdrm	hyper	CHH	0.0892
Gm07	36688792	36689015	Gmdrm	hyper	CHH	0.0347
Gm07	36764350	36765277	Gmdrm	hyper	CHH	0.0151
Gm07	36780537	36780835	Gmdrm	hyper	CHH	0.0379
Gm07	36798987	36799202	Gmdrm	hyper	CHH	0.023
Gm07	36840667	36841657	Gmdrm	hyper	CHH	0.0311
Gm07	36864462	36865041	Gmdrm	hyper	CHH	0.0829
Gm07	36870875	36871551	Gmdrm	hyper	CHH	0.0369
Gm07	36888239	36889210	Gmdrm	hyper	CHH	0.0187
Gm07	36919309	36919894	Gmdrm	hyper	CHH	0.0635
Gm07	36944624	36945578	Gmdrm	hyper	CHH	0.0193
Gm07	36973419	36974377	Gmdrm	hyper	CHH	0.0165
Gm07	36976507	36977498	Gmdrm	hyper	CHH	0.0097
Gm07	37106017	37106449	Gmdrm	hyper	CHH	0.0416
Gm07	37160751	37161749	Gmdrm	hyper	CHH	0.0263
Gm07	37179711	37180700	Gmdrm	hyper	CHH	0.0212
Gm07	37205277	37205724	Gmdrm	hyper	CHH	0.0442
Gm07	37226931	37227337	Gmdrm	hyper	CHH	0.0559
Gm07	37238541	37239540	Gmdrm	hyper	CHH	0.022
Gm07	37310915	37311368	Gmdrm	hyper	CHH	0.0241
Gm07	37428671	37429166	Gmdrm	hyper	CHH	0.0696
Gm07	37464064	37464689	Gmdrm	hyper	CHH	0.0186
Gm07	37496079	37497050	Gmdrm	hyper	CHH	0.0246
Gm07	37515865	37516029	Gmdrm	hyper	CHH	0.1
Gm07	37530801	37531793	Gmdrm	hyper	CHH	0.0213
Gm07	37532482	37533470	Gmdrm	hyper	CHH	0.0127
Gm07	37547942	37548940	Gmdrm	hyper	CHH	0.0316

Gm07	37575866	37576858	Gmdrm	hyper	CHH	0.0177
Gm07	37583768	37584766	Gmdrm	hyper	CHH	0.0164
Gm07	37665442	37666442	Gmdrm	hyper	CHH	0.0194
Gm07	37692230	37692554	Gmdrm	hyper	CHH	0.0325
Gm07	37784583	37785557	Gmdrm	hyper	CHH	0.0229
Gm07	37803178	37804177	Gmdrm	hyper	CHH	0.0135
Gm07	37804187	37805186	Gmdrm	hyper	CHH	0.0376
Gm07	37830611	37831610	Gmdrm	hyper	CHH	0.0284
Gm07	37924971	37925953	Gmdrm	hyper	CHH	0.027
Gm07	38005471	38006466	Gmdrm	hyper	CHH	0.0262
Gm07	38029758	38030719	Gmdrm	hyper	CHH	0.0266
Gm07	38255412	38256401	Gmdrm	hyper	CHH	0.0148
Gm07	38342586	38342839	Gmdrm	hyper	CHH	0.035
Gm07	38358026	38359021	Gmdrm	hyper	CHH	0.0189
Gm07	38374352	38375346	Gmdrm	hyper	CHH	0.0739
Gm07	38375361	38376346	Gmdrm	hyper	CHH	0.0265
Gm07	38413107	38414101	Gmdrm	hyper	CHH	0.0139
Gm07	38476845	38477841	Gmdrm	hyper	CHH	0.0109
Gm07	38510973	38511963	Gmdrm	hyper	CHH	0.0101
Gm07	38534177	38535161	Gmdrm	hyper	CHH	0.0748
Gm07	38562202	38563017	Gmdrm	hyper	CHH	0.0728
Gm07	38573274	38573531	Gmdrm	hyper	CHH	0.2905
Gm07	38592959	38593954	Gmdrm	hyper	CHH	0.0168
Gm07	38600400	38601370	Gmdrm	hyper	CHH	0.022
Gm07	38601417	38601536	Gmdrm	hyper	CHH	0.084
Gm07	38698159	38698350	Gmdrm	hyper	CHH	0.1113
Gm07	38728865	38729856	Gmdrm	hyper	CHH	0.023
Gm07	38819734	38820724	Gmdrm	hyper	CHH	0.0185
Gm07	38992683	38993567	Gmdrm	hyper	CHH	0.0307
Gm07	39004037	39005037	Gmdrm	hyper	CHH	0.0584
Gm07	39005038	39005761	Gmdrm	hyper	CHH	0.0372
Gm07	39006130	39007123	Gmdrm	hyper	CHH	0.0836
Gm07	39080116	39080649	Gmdrm	hyper	CHH	0.0789
Gm07	39147758	39147826	Gmdrm	hyper	CHH	0.0864
Gm07	39174427	39175411	Gmdrm	hyper	CHH	0.0208
Gm07	39214051	39215011	Gmdrm	hyper	CHH	0.0204
Gm07	39251149	39252143	Gmdrm	hyper	CHH	0.0178
Gm07	39282612	39282780	Gmdrm	hyper	CHH	0.0623
Gm07	39295177	39295264	Gmdrm	hyper	CHH	0.042
Gm07	39337401	39338372	Gmdrm	hyper	CHH	0.0192
Gm07	39367603	39368597	Gmdrm	hyper	CHH	0.0155
Gm07	39368625	39369622	Gmdrm	hyper	CHH	0.0159
Gm07	39391249	39392244	Gmdrm	hyper	CHH	0.0239
Gm07	39422201	39423199	Gmdrm	hyper	CHH	0.0132
Gm07	39458144	39458484	Gmdrm	hyper	CHH	0.0182
Gm07	39547405	39547929	Gmdrm	hyper	CHH	0.0152

Gm07	39753678	39754673	Gmdrm	hyper	CHH	0.0356
Gm07	39754681	39755667	Gmdrm	hyper	CHH	0.0321
Gm07	39755697	39756669	Gmdrm	hyper	CHH	0.0284
Gm07	39756771	39757771	Gmdrm	hyper	CHH	0.0183
Gm07	39771557	39771885	Gmdrm	hyper	CHH	0.0631
Gm07	39848070	39849027	Gmdrm	hyper	CHH	0.017
Gm07	40168673	40169671	Gmdrm	hyper	CHH	0.0727
Gm07	40252988	40253653	Gmdrm	hyper	CHH	0.0141
Gm07	40257261	40257429	Gmdrm	hyper	CHH	0.0227
Gm07	40307519	40308511	Gmdrm	hyper	CHH	0.0193
Gm07	40389931	40390931	Gmdrm	hyper	CHH	0.0085
Gm07	40477482	40478478	Gmdrm	hyper	CHH	0.0263
Gm07	40492061	40493053	Gmdrm	hyper	CHH	0.0229
Gm07	40515205	40516192	Gmdrm	hyper	CHH	0.0136
Gm07	40520635	40521605	Gmdrm	hyper	CHH	0.0127
Gm07	40548756	40549215	Gmdrm	hyper	CHH	0.0147
Gm07	40651150	40651222	Gmdrm	hyper	CHH	0.106
Gm07	40886787	40887711	Gmdrm	hyper	CHH	0.0262
Gm07	40907648	40908301	Gmdrm	hyper	CHH	0.0365
Gm07	40914826	40915818	Gmdrm	hyper	CHH	0.0174
Gm07	41030688	41031681	Gmdrm	hyper	CHH	0.0278
Gm07	41138118	41138402	Gmdrm	hyper	CHH	0.0611
Gm07	41187264	41188261	Gmdrm	hyper	CHH	0.0325
Gm07	41277067	41277391	Gmdrm	hyper	CHH	0.1038
Gm07	41291545	41292544	Gmdrm	hyper	CHH	0.0475
Gm07	41292552	41293535	Gmdrm	hyper	CHH	0.0573
Gm07	41301615	41302612	Gmdrm	hyper	CHH	0.0434
Gm07	41495095	41495501	Gmdrm	hyper	CHH	0.0257
Gm07	41500445	41501436	Gmdrm	hyper	CHH	0.0167
Gm07	41616572	41617548	Gmdrm	hyper	CHH	0.023
Gm07	41658653	41659652	Gmdrm	hyper	CHH	0.0269
Gm07	41714000	41715000	Gmdrm	hyper	CHH	0.0267
Gm07	41842667	41843665	Gmdrm	hyper	CHH	0.0263
Gm07	41849942	41850274	Gmdrm	hyper	CHH	0.016
Gm07	41852436	41853415	Gmdrm	hyper	CHH	0.0218
Gm07	41994910	41995888	Gmdrm	hyper	CHH	0.0276
Gm07	42020309	42021301	Gmdrm	hyper	CHH	0.0651
Gm07	42068052	42069043	Gmdrm	hyper	CHH	0.0228
Gm07	42133780	42134766	Gmdrm	hyper	CHH	0.0297
Gm07	42144582	42145570	Gmdrm	hyper	CHH	0.0096
Gm07	42174261	42175225	Gmdrm	hyper	CHH	0.0206
Gm07	42189035	42190035	Gmdrm	hyper	CHH	0.0102
Gm07	42306025	42306997	Gmdrm	hyper	CHH	0.0294
Gm07	42315410	42315816	Gmdrm	hyper	CHH	0.0628
Gm07	42350743	42351522	Gmdrm	hyper	CHH	0.0198
Gm07	42399987	42400079	Gmdrm	hyper	CHH	0.0517

Gm07	42434923	42435920	Gmdrm	hyper	CHH	0.0272
Gm07	42437576	42438536	Gmdrm	hyper	CHH	0.0152
Gm07	42467113	42467225	Gmdrm	hyper	CHH	0.0486
Gm07	42527982	42528941	Gmdrm	hyper	CHH	0.0153
Gm07	42542295	42542754	Gmdrm	hyper	CHH	0.0313
Gm07	42597731	42598699	Gmdrm	hyper	CHH	0.0166
Gm07	42696049	42697037	Gmdrm	hyper	CHH	0.0174
Gm07	42698973	42699213	Gmdrm	hyper	CHH	0.0424
Gm07	42699315	42700302	Gmdrm	hyper	CHH	0.0155
Gm07	42701353	42702297	Gmdrm	hyper	CHH	0.0129
Gm07	42823975	42824112	Gmdrm	hyper	CHH	0.1618
Gm07	42832883	42833856	Gmdrm	hyper	CHH	0.0112
Gm07	42836239	42836528	Gmdrm	hyper	CHH	0.0282
Gm07	42845317	42846315	Gmdrm	hyper	CHH	0.0172
Gm07	42861697	42862690	Gmdrm	hyper	CHH	0.0136
Gm07	42869380	42870375	Gmdrm	hyper	CHH	0.0178
Gm07	42870536	42871524	Gmdrm	hyper	CHH	0.0108
Gm07	42915023	42915686	Gmdrm	hyper	CHH	0.0297
Gm07	42952847	42953846	Gmdrm	hyper	CHH	0.013
Gm07	42979951	42980927	Gmdrm	hyper	CHH	0.0083
Gm07	43015266	43015700	Gmdrm	hyper	CHH	0.0332
Gm07	43035694	43036649	Gmdrm	hyper	CHH	0.0172
Gm07	43039028	43040016	Gmdrm	hyper	CHH	0.0237
Gm07	43040035	43040962	Gmdrm	hyper	CHH	0.0134
Gm07	43051307	43052273	Gmdrm	hyper	CHH	0.0359
Gm07	43105988	43106958	Gmdrm	hyper	CHH	0.0117
Gm07	43160373	43161364	Gmdrm	hyper	CHH	0.0284
Gm07	43232173	43232553	Gmdrm	hyper	CHH	0.0983
Gm07	43235519	43236512	Gmdrm	hyper	CHH	0.0176
Gm07	43238326	43239321	Gmdrm	hyper	CHH	0.0169
Gm07	43271529	43271779	Gmdrm	hyper	CHH	0.0656
Gm07	43287996	43288956	Gmdrm	hyper	CHH	0.0136
Gm07	43289017	43289442	Gmdrm	hyper	CHH	0.0535
Gm07	43300365	43300867	Gmdrm	hyper	CHH	0.045
Gm07	43348116	43349106	Gmdrm	hyper	CHH	0.0144
Gm07	43480628	43480887	Gmdrm	hyper	CHH	0.0362
Gm07	43562720	43562878	Gmdrm	hyper	CHH	0.095
Gm07	43593827	43594826	Gmdrm	hyper	CHH	0.0223
Gm07	43627257	43628256	Gmdrm	hyper	CHH	0.0316
Gm07	43666767	43667740	Gmdrm	hyper	CHH	0.0169
Gm07	43719954	43720950	Gmdrm	hyper	CHH	0.0226
Gm07	43812432	43813425	Gmdrm	hyper	CHH	0.0182
Gm07	43816642	43816962	Gmdrm	hyper	CHH	0.035
Gm07	43848924	43849924	Gmdrm	hyper	CHH	0.0131
Gm07	43916728	43917719	Gmdrm	hyper	CHH	0.0266
Gm07	43954984	43955965	Gmdrm	hyper	CHH	0.0175

Gm07	43984637	43985603	Gmdrm	hyper	CHH	0.0193
Gm07	43987579	43988569	Gmdrm	hyper	CHH	0.0126
Gm07	44132948	44133929	Gmdrm	hyper	CHH	0.02
Gm07	44174023	44174228	Gmdrm	hyper	CHH	0.0241
Gm07	44232298	44232909	Gmdrm	hyper	CHH	0.0302
Gm07	44246871	44247863	Gmdrm	hyper	CHH	0.0183
Gm07	44270599	44271578	Gmdrm	hyper	CHH	0.0261
Gm07	44338894	44338974	Gmdrm	hyper	CHH	0.07
Gm07	44426837	44427335	Gmdrm	hyper	CHH	0.0183
Gm07	44450194	44451087	Gmdrm	hyper	CHH	0.031
Gm07	44509356	44510343	Gmdrm	hyper	CHH	0.0137
Gm07	44572471	44573466	Gmdrm	hyper	CHH	0.0129
Gm07	44583634	44584612	Gmdrm	hyper	CHH	0.0111
Gm07	44589469	44590459	Gmdrm	hyper	CHH	0.0225
Gm07	44617386	44618386	Gmdrm	hyper	CHH	0.0141
Gm07	44624273	44625266	Gmdrm	hyper	CHH	0.0308
Gm07	44633871	44634840	Gmdrm	hyper	CHH	0.0417
Gm07	44644206	44645142	Gmdrm	hyper	CHH	0.0191
Gm07	44711472	44711893	Gmdrm	hyper	CHH	0.0463
Gm07	44781081	44782062	Gmdrm	hyper	CHH	0.0241
Gm07	44787207	44787659	Gmdrm	hyper	CHH	0.0292
Gm07	44827667	44828646	Gmdrm	hyper	CHH	0.0179
Gm07	44850874	44851352	Gmdrm	hyper	CHH	0.0163
Gm07	44852756	44852894	Gmdrm	hyper	CHH	0.0815
Gm07	44869806	44870647	Gmdrm	hyper	CHH	0.0304
Gm07	44878509	44878604	Gmdrm	hyper	CHH	0.055
Gm07	44893560	44893574	Gmdrm	hyper	CHH	0.0583
Gm07	44893687	44893905	Gmdrm	hyper	CHH	0.06
Gm07	44913794	44914792	Gmdrm	hyper	CHH	0.0308
Gm08	34064	35045	Gmdrm	hyper	CHH	0.0199
Gm08	79830	80101	Gmdrm	hyper	CHH	0.0463
Gm08	81549	82526	Gmdrm	hyper	CHH	0.0138
Gm08	86495	87469	Gmdrm	hyper	CHH	0.0242
Gm08	117770	118026	Gmdrm	hyper	CHH	0.039
Gm08	167302	168217	Gmdrm	hyper	CHH	0.0323
Gm08	170350	171291	Gmdrm	hyper	CHH	0.018
Gm08	258791	259422	Gmdrm	hyper	CHH	0.0293
Gm08	349049	349723	Gmdrm	hyper	CHH	0.0394
Gm08	367965	368923	Gmdrm	hyper	CHH	0.0223
Gm08	408780	409774	Gmdrm	hyper	CHH	0.0133
Gm08	411785	412394	Gmdrm	hyper	CHH	0.0253
Gm08	425995	426981	Gmdrm	hyper	CHH	0.0135
Gm08	427003	427998	Gmdrm	hyper	CHH	0.0282
Gm08	448644	449630	Gmdrm	hyper	CHH	0.0236
Gm08	496206	497197	Gmdrm	hyper	CHH	0.0123
Gm08	505990	506977	Gmdrm	hyper	CHH	0.0134

Gm08	514628	515161	Gmdrm	hyper	CHH	0.0183
Gm08	560138	560231	Gmdrm	hyper	CHH	0.05
Gm08	577421	577995	Gmdrm	hyper	CHH	0.0224
Gm08	589214	589715	Gmdrm	hyper	CHH	0.0323
Gm08	603584	604582	Gmdrm	hyper	CHH	0.0135
Gm08	664354	665281	Gmdrm	hyper	CHH	0.018
Gm08	682927	683411	Gmdrm	hyper	CHH	0.0182
Gm08	729289	729497	Gmdrm	hyper	CHH	0.0489
Gm08	741140	741806	Gmdrm	hyper	CHH	0.0316
Gm08	772616	773616	Gmdrm	hyper	CHH	0.0126
Gm08	779410	780405	Gmdrm	hyper	CHH	0.0206
Gm08	821326	822320	Gmdrm	hyper	CHH	0.0859
Gm08	822334	823332	Gmdrm	hyper	CHH	0.0537
Gm08	853649	853959	Gmdrm	hyper	CHH	0.0186
Gm08	872739	873500	Gmdrm	hyper	CHH	0.0165
Gm08	898592	899590	Gmdrm	hyper	CHH	0.0213
Gm08	904174	905062	Gmdrm	hyper	CHH	0.0181
Gm08	923447	924411	Gmdrm	hyper	CHH	0.0205
Gm08	969493	969802	Gmdrm	hyper	CHH	0.047
Gm08	975718	976695	Gmdrm	hyper	CHH	0.0554
Gm08	981240	982228	Gmdrm	hyper	CHH	0.0218
Gm08	999902	1000898	Gmdrm	hyper	CHH	0.0225
Gm08	1018123	1019023	Gmdrm	hyper	CHH	0.0277
Gm08	1086795	1087742	Gmdrm	hyper	CHH	0.0173
Gm08	1092637	1093618	Gmdrm	hyper	CHH	0.017
Gm08	1105918	1106910	Gmdrm	hyper	CHH	0.0227
Gm08	1138800	1139797	Gmdrm	hyper	CHH	0.0237
Gm08	1140157	1141157	Gmdrm	hyper	CHH	0.016
Gm08	1198461	1199459	Gmdrm	hyper	CHH	0.0116
Gm08	1223739	1224728	Gmdrm	hyper	CHH	0.0171
Gm08	1251763	1252753	Gmdrm	hyper	CHH	0.0652
Gm08	1301264	1301369	Gmdrm	hyper	CHH	0.046
Gm08	1338044	1338989	Gmdrm	hyper	CHH	0.02
Gm08	1339075	1340073	Gmdrm	hyper	CHH	0.0399
Gm08	1345178	1345422	Gmdrm	hyper	CHH	0.023
Gm08	1355356	1356342	Gmdrm	hyper	CHH	0.011
Gm08	1397767	1398750	Gmdrm	hyper	CHH	0.0128
Gm08	1410731	1411729	Gmdrm	hyper	CHH	0.0174
Gm08	1463571	1464497	Gmdrm	hyper	CHH	0.0218
Gm08	1559794	1560773	Gmdrm	hyper	CHH	0.0184
Gm08	1623474	1624416	Gmdrm	hyper	CHH	0.0243
Gm08	1687679	1688635	Gmdrm	hyper	CHH	0.0254
Gm08	1691739	1692729	Gmdrm	hyper	CHH	0.0112
Gm08	1732803	1732941	Gmdrm	hyper	CHH	0.048
Gm08	1826761	1827757	Gmdrm	hyper	CHH	0.0107
Gm08	1827762	1828761	Gmdrm	hyper	CHH	0.0162

Gm08	1864180	1865178	Gmdrm	hyper	CHH	0.023
Gm08	1865195	1865408	Gmdrm	hyper	CHH	0.0369
Gm08	1872811	1873257	Gmdrm	hyper	CHH	0.0322
Gm08	1901983	1902972	Gmdrm	hyper	CHH	0.0175
Gm08	1971951	1972918	Gmdrm	hyper	CHH	0.0134
Gm08	2007204	2008194	Gmdrm	hyper	CHH	0.0155
Gm08	2008238	2009001	Gmdrm	hyper	CHH	0.0169
Gm08	2038174	2039162	Gmdrm	hyper	CHH	0.0261
Gm08	2039175	2040159	Gmdrm	hyper	CHH	0.0187
Gm08	2057247	2058239	Gmdrm	hyper	CHH	0.0417
Gm08	2058249	2059235	Gmdrm	hyper	CHH	0.0231
Gm08	2064401	2065310	Gmdrm	hyper	CHH	0.0257
Gm08	2112861	2113846	Gmdrm	hyper	CHH	0.0338
Gm08	2151771	2152749	Gmdrm	hyper	CHH	0.0146
Gm08	2155539	2156493	Gmdrm	hyper	CHH	0.0223
Gm08	2164154	2165143	Gmdrm	hyper	CHH	0.0202
Gm08	2199870	2200848	Gmdrm	hyper	CHH	0.0234
Gm08	2226554	2227551	Gmdrm	hyper	CHH	0.0139
Gm08	2240280	2241266	Gmdrm	hyper	CHH	0.0221
Gm08	2241296	2242289	Gmdrm	hyper	CHH	0.0176
Gm08	2244276	2245270	Gmdrm	hyper	CHH	0.0228
Gm08	2297756	2297913	Gmdrm	hyper	CHH	0.0542
Gm08	2310938	2311929	Gmdrm	hyper	CHH	0.0203
Gm08	2316953	2317882	Gmdrm	hyper	CHH	0.0171
Gm08	2337705	2338679	Gmdrm	hyper	CHH	0.0169
Gm08	2451983	2452703	Gmdrm	hyper	CHH	0.0221
Gm08	2455882	2456881	Gmdrm	hyper	CHH	0.0171
Gm08	2486920	2487111	Gmdrm	hyper	CHH	0.0985
Gm08	2550921	2551216	Gmdrm	hyper	CHH	0.0672
Gm08	2596284	2596915	Gmdrm	hyper	CHH	0.0212
Gm08	2728415	2729402	Gmdrm	hyper	CHH	0.0172
Gm08	2741857	2742815	Gmdrm	hyper	CHH	0.0464
Gm08	2788107	2788523	Gmdrm	hyper	CHH	0.0194
Gm08	2803255	2804253	Gmdrm	hyper	CHH	0.0181
Gm08	2823269	2824268	Gmdrm	hyper	CHH	0.0168
Gm08	2873686	2874474	Gmdrm	hyper	CHH	0.0331
Gm08	2919427	2919947	Gmdrm	hyper	CHH	0.0257
Gm08	2933447	2934433	Gmdrm	hyper	CHH	0.0163
Gm08	2945376	2946346	Gmdrm	hyper	CHH	0.0296
Gm08	2990007	2991003	Gmdrm	hyper	CHH	0.01
Gm08	3034624	3035610	Gmdrm	hyper	CHH	0.036
Gm08	3058889	3059886	Gmdrm	hyper	CHH	0.0177
Gm08	3066045	3066629	Gmdrm	hyper	CHH	0.0227
Gm08	3067785	3068405	Gmdrm	hyper	CHH	0.0314
Gm08	3105332	3105846	Gmdrm	hyper	CHH	0.0288
Gm08	3111203	3112184	Gmdrm	hyper	CHH	0.0217

Gm08	3150559	3151533	Gmdrm	hyper	CHH	0.0221
Gm08	3187128	3187830	Gmdrm	hyper	CHH	0.0194
Gm08	3207361	3207486	Gmdrm	hyper	CHH	0.048
Gm08	3246647	3247570	Gmdrm	hyper	CHH	0.0163
Gm08	3262432	3263115	Gmdrm	hyper	CHH	0.0337
Gm08	3264231	3265167	Gmdrm	hyper	CHH	0.0171
Gm08	3341187	3342185	Gmdrm	hyper	CHH	0.0194
Gm08	3358481	3359479	Gmdrm	hyper	CHH	0.0127
Gm08	3488705	3489701	Gmdrm	hyper	CHH	0.0126
Gm08	3501014	3501270	Gmdrm	hyper	CHH	0.0412
Gm08	3518263	3518647	Gmdrm	hyper	CHH	0.0534
Gm08	3585714	3586168	Gmdrm	hyper	CHH	0.0319
Gm08	3730667	3731641	Gmdrm	hyper	CHH	0.0148
Gm08	3734868	3735831	Gmdrm	hyper	CHH	0.0122
Gm08	3741158	3742154	Gmdrm	hyper	CHH	0.0235
Gm08	3835494	3836484	Gmdrm	hyper	CHH	0.0212
Gm08	3836504	3837448	Gmdrm	hyper	CHH	0.0142
Gm08	3842011	3842858	Gmdrm	hyper	CHH	0.017
Gm08	3849330	3850329	Gmdrm	hyper	CHH	0.026
Gm08	3893193	3894191	Gmdrm	hyper	CHH	0.0172
Gm08	3914016	3914134	Gmdrm	hyper	CHH	0.032
Gm08	4049578	4050573	Gmdrm	hyper	CHH	0.0285
Gm08	4103495	4104443	Gmdrm	hyper	CHH	0.0287
Gm08	4210646	4211252	Gmdrm	hyper	CHH	0.02
Gm08	4258700	4259698	Gmdrm	hyper	CHH	0.0384
Gm08	4312647	4313643	Gmdrm	hyper	CHH	0.0208
Gm08	4328041	4328886	Gmdrm	hyper	CHH	0.0192
Gm08	4329000	4329304	Gmdrm	hyper	CHH	0.0318
Gm08	4334362	4335359	Gmdrm	hyper	CHH	0.0338
Gm08	4344643	4345622	Gmdrm	hyper	CHH	0.0176
Gm08	4348770	4349763	Gmdrm	hyper	CHH	0.0126
Gm08	4457772	4458732	Gmdrm	hyper	CHH	0.0155
Gm08	4514781	4515454	Gmdrm	hyper	CHH	0.0132
Gm08	4529154	4530149	Gmdrm	hyper	CHH	0.0215
Gm08	4576815	4577359	Gmdrm	hyper	CHH	0.0226
Gm08	4611755	4612694	Gmdrm	hyper	CHH	0.0161
Gm08	4618010	4618827	Gmdrm	hyper	CHH	0.0178
Gm08	4622038	4622766	Gmdrm	hyper	CHH	0.0159
Gm08	4808397	4808938	Gmdrm	hyper	CHH	0.0417
Gm08	4925563	4926544	Gmdrm	hyper	CHH	0.0087
Gm08	4953700	4953937	Gmdrm	hyper	CHH	0.0407
Gm08	4963191	4963348	Gmdrm	hyper	CHH	0.0971
Gm08	5086608	5087607	Gmdrm	hyper	CHH	0.0201
Gm08	5091360	5091787	Gmdrm	hyper	CHH	0.0225
Gm08	5103846	5104843	Gmdrm	hyper	CHH	0.0254
Gm08	5273535	5274527	Gmdrm	hyper	CHH	0.0249

Gm08	5385056	5386053	Gmdrm	hyper	CHH	0.0179
Gm08	5392112	5392905	Gmdrm	hyper	CHH	0.0298
Gm08	5413936	5414474	Gmdrm	hyper	CHH	0.0329
Gm08	5510003	5510997	Gmdrm	hyper	CHH	0.011
Gm08	5537355	5537471	Gmdrm	hyper	CHH	0.0458
Gm08	5545397	5546385	Gmdrm	hyper	CHH	0.0261
Gm08	5618117	5618449	Gmdrm	hyper	CHH	0.0203
Gm08	5649026	5650025	Gmdrm	hyper	CHH	0.0244
Gm08	5650027	5650422	Gmdrm	hyper	CHH	0.0317
Gm08	5682426	5682624	Gmdrm	hyper	CHH	0.0671
Gm08	5698796	5698958	Gmdrm	hyper	CHH	0.1057
Gm08	5729507	5730482	Gmdrm	hyper	CHH	0.0211
Gm08	5745375	5746366	Gmdrm	hyper	CHH	0.0217
Gm08	5753620	5753814	Gmdrm	hyper	CHH	0.0383
Gm08	5820241	5821218	Gmdrm	hyper	CHH	0.0182
Gm08	6042158	6042350	Gmdrm	hyper	CHH	0.1044
Gm08	6052329	6053270	Gmdrm	hyper	CHH	0.0138
Gm08	6153238	6153758	Gmdrm	hyper	CHH	0.0405
Gm08	6159352	6160344	Gmdrm	hyper	CHH	0.0265
Gm08	6160363	6161351	Gmdrm	hyper	CHH	0.0179
Gm08	6176948	6177912	Gmdrm	hyper	CHH	0.012
Gm08	6211291	6212289	Gmdrm	hyper	CHH	0.0166
Gm08	6239211	6240201	Gmdrm	hyper	CHH	0.0176
Gm08	6249500	6249975	Gmdrm	hyper	CHH	0.048
Gm08	6267594	6268568	Gmdrm	hyper	CHH	0.0151
Gm08	6316830	6317479	Gmdrm	hyper	CHH	0.0192
Gm08	6350982	6351959	Gmdrm	hyper	CHH	0.0148
Gm08	6363938	6364935	Gmdrm	hyper	CHH	0.0206
Gm08	6410179	6410673	Gmdrm	hyper	CHH	0.0358
Gm08	6411067	6411525	Gmdrm	hyper	CHH	0.0262
Gm08	6422080	6423080	Gmdrm	hyper	CHH	0.0157
Gm08	6428494	6428582	Gmdrm	hyper	CHH	0.0467
Gm08	6445385	6446354	Gmdrm	hyper	CHH	0.0138
Gm08	6453300	6454298	Gmdrm	hyper	CHH	0.0167
Gm08	6481674	6482239	Gmdrm	hyper	CHH	0.034
Gm08	6521306	6522254	Gmdrm	hyper	CHH	0.0143
Gm08	6591401	6592373	Gmdrm	hyper	CHH	0.0194
Gm08	6593460	6594436	Gmdrm	hyper	CHH	0.0139
Gm08	6639590	6640578	Gmdrm	hyper	CHH	0.0337
Gm08	6659343	6660337	Gmdrm	hyper	CHH	0.0266
Gm08	6759482	6759780	Gmdrm	hyper	CHH	0.0173
Gm08	6855261	6856259	Gmdrm	hyper	CHH	0.0185
Gm08	6872351	6873331	Gmdrm	hyper	CHH	0.0151
Gm08	6875242	6875947	Gmdrm	hyper	CHH	0.0425
Gm08	6880789	6881737	Gmdrm	hyper	CHH	0.0154
Gm08	6891885	6892879	Gmdrm	hyper	CHH	0.0218

Gm08	6956129	6957122	Gmdrm	hyper	CHH	0.0167
Gm08	6957138	6957867	Gmdrm	hyper	CHH	0.0235
Gm08	7034879	7035842	Gmdrm	hyper	CHH	0.0147
Gm08	7143698	7143868	Gmdrm	hyper	CHH	0.0293
Gm08	7145922	7146881	Gmdrm	hyper	CHH	0.0393
Gm08	7548034	7549033	Gmdrm	hyper	CHH	0.0265
Gm08	7555878	7556870	Gmdrm	hyper	CHH	0.0221
Gm08	7589343	7589957	Gmdrm	hyper	CHH	0.0442
Gm08	7617410	7618372	Gmdrm	hyper	CHH	0.0309
Gm08	7626454	7627324	Gmdrm	hyper	CHH	0.0263
Gm08	7674934	7675926	Gmdrm	hyper	CHH	0.0291
Gm08	7735620	7736615	Gmdrm	hyper	CHH	0.015
Gm08	7741306	7742278	Gmdrm	hyper	CHH	0.0162
Gm08	7751212	7752198	Gmdrm	hyper	CHH	0.0543
Gm08	7755608	7755725	Gmdrm	hyper	CHH	0.084
Gm08	7764277	7764983	Gmdrm	hyper	CHH	0.0827
Gm08	7790882	7791864	Gmdrm	hyper	CHH	0.0132
Gm08	7837564	7838560	Gmdrm	hyper	CHH	0.0129
Gm08	7909644	7909789	Gmdrm	hyper	CHH	0.0657
Gm08	8035798	8036766	Gmdrm	hyper	CHH	0.0212
Gm08	8087596	8087812	Gmdrm	hyper	CHH	0.0259
Gm08	8089963	8090932	Gmdrm	hyper	CHH	0.0133
Gm08	8147814	8148810	Gmdrm	hyper	CHH	0.017
Gm08	8169986	8170934	Gmdrm	hyper	CHH	0.0189
Gm08	8206808	8207613	Gmdrm	hyper	CHH	0.0186
Gm08	8207730	8207857	Gmdrm	hyper	CHH	0.132
Gm08	8225777	8226723	Gmdrm	hyper	CHH	0.0136
Gm08	8242328	8243320	Gmdrm	hyper	CHH	0.0221
Gm08	8255875	8256831	Gmdrm	hyper	CHH	0.027
Gm08	8268374	8269372	Gmdrm	hyper	CHH	0.0254
Gm08	8343368	8344364	Gmdrm	hyper	CHH	0.0251
Gm08	8364030	8365026	Gmdrm	hyper	CHH	0.016
Gm08	8430590	8431561	Gmdrm	hyper	CHH	0.0133
Gm08	8453017	8453964	Gmdrm	hyper	CHH	0.0203
Gm08	8454026	8455019	Gmdrm	hyper	CHH	0.0304
Gm08	8455038	8456031	Gmdrm	hyper	CHH	0.0107
Gm08	8463075	8464068	Gmdrm	hyper	CHH	0.0219
Gm08	8614136	8615120	Gmdrm	hyper	CHH	0.0151
Gm08	8673296	8673552	Gmdrm	hyper	CHH	0.0923
Gm08	8674666	8675660	Gmdrm	hyper	CHH	0.0218
Gm08	8694288	8695251	Gmdrm	hyper	CHH	0.0159
Gm08	8715723	8716721	Gmdrm	hyper	CHH	0.013
Gm08	8716729	8717495	Gmdrm	hyper	CHH	0.0174
Gm08	8723708	8724555	Gmdrm	hyper	CHH	0.0182
Gm08	8797854	8797988	Gmdrm	hyper	CHH	0.0443
Gm08	8824933	8825928	Gmdrm	hyper	CHH	0.0124

Gm08	8857993	8858988	Gmdrm	hyper	CHH	0.0151
Gm08	8869734	8870731	Gmdrm	hyper	CHH	0.0263
Gm08	8878427	8879416	Gmdrm	hyper	CHH	0.0236
Gm08	8890605	8891595	Gmdrm	hyper	CHH	0.0169
Gm08	8928284	8929282	Gmdrm	hyper	CHH	0.0245
Gm08	9012002	9012155	Gmdrm	hyper	CHH	0.122
Gm08	9027814	9028814	Gmdrm	hyper	CHH	0.0336
Gm08	9055915	9056903	Gmdrm	hyper	CHH	0.03
Gm08	9058982	9059935	Gmdrm	hyper	CHH	0.0757
Gm08	9062449	9063448	Gmdrm	hyper	CHH	0.0297
Gm08	9109966	9110961	Gmdrm	hyper	CHH	0.0193
Gm08	9114023	9114290	Gmdrm	hyper	CHH	0.0521
Gm08	9122335	9123332	Gmdrm	hyper	CHH	0.0125
Gm08	9136795	9137213	Gmdrm	hyper	CHH	0.014
Gm08	9163735	9164047	Gmdrm	hyper	CHH	0.03
Gm08	9214665	9215665	Gmdrm	hyper	CHH	0.0171
Gm08	9220089	9221079	Gmdrm	hyper	CHH	0.0182
Gm08	9249115	9249540	Gmdrm	hyper	CHH	0.0282
Gm08	9286530	9287136	Gmdrm	hyper	CHH	0.0218
Gm08	9313739	9314736	Gmdrm	hyper	CHH	0.0123
Gm08	9330209	9331174	Gmdrm	hyper	CHH	0.0151
Gm08	9355537	9356517	Gmdrm	hyper	CHH	0.0211
Gm08	9406142	9407120	Gmdrm	hyper	CHH	0.0148
Gm08	9431034	9431385	Gmdrm	hyper	CHH	0.0341
Gm08	9441619	9442160	Gmdrm	hyper	CHH	0.0404
Gm08	9525707	9526702	Gmdrm	hyper	CHH	0.02
Gm08	9526712	9527711	Gmdrm	hyper	CHH	0.0238
Gm08	9527724	9528721	Gmdrm	hyper	CHH	0.0164
Gm08	9549625	9550596	Gmdrm	hyper	CHH	0.0239
Gm08	9551634	9552629	Gmdrm	hyper	CHH	0.0162
Gm08	9574560	9574844	Gmdrm	hyper	CHH	0.043
Gm08	9654315	9655303	Gmdrm	hyper	CHH	0.037
Gm08	9671314	9671867	Gmdrm	hyper	CHH	0.0283
Gm08	9705253	9706249	Gmdrm	hyper	CHH	0.0107
Gm08	9712094	9712344	Gmdrm	hyper	CHH	0.1426
Gm08	9748539	9748738	Gmdrm	hyper	CHH	0.14
Gm08	9767907	9768903	Gmdrm	hyper	CHH	0.0142
Gm08	9785160	9786158	Gmdrm	hyper	CHH	0.0128
Gm08	9807556	9808528	Gmdrm	hyper	CHH	0.0152
Gm08	9836622	9837619	Gmdrm	hyper	CHH	0.0098
Gm08	9854999	9855994	Gmdrm	hyper	CHH	0.0298
Gm08	9866607	9867584	Gmdrm	hyper	CHH	0.0119
Gm08	9942961	9943944	Gmdrm	hyper	CHH	0.0218
Gm08	9962010	9962423	Gmdrm	hyper	CHH	0.0205
Gm08	9991974	9992970	Gmdrm	hyper	CHH	0.025
Gm08	10116196	10117196	Gmdrm	hyper	CHH	0.0309

Gm08	10174159	10175119	Gmdrm	hyper	CHH	0.021
Gm08	10183786	10184122	Gmdrm	hyper	CHH	0.0252
Gm08	10227170	10228168	Gmdrm	hyper	CHH	0.0251
Gm08	10266234	10267217	Gmdrm	hyper	CHH	0.01
Gm08	10293592	10294586	Gmdrm	hyper	CHH	0.063
Gm08	10312479	10313460	Gmdrm	hyper	CHH	0.0167
Gm08	10317553	10318545	Gmdrm	hyper	CHH	0.0298
Gm08	10330611	10331592	Gmdrm	hyper	CHH	0.0168
Gm08	10336265	10337262	Gmdrm	hyper	CHH	0.0177
Gm08	10371415	10372414	Gmdrm	hyper	CHH	0.0162
Gm08	10376377	10377315	Gmdrm	hyper	CHH	0.0244
Gm08	10435079	10436062	Gmdrm	hyper	CHH	0.0433
Gm08	10514510	10515438	Gmdrm	hyper	CHH	0.0222
Gm08	10517763	10518642	Gmdrm	hyper	CHH	0.0283
Gm08	10521783	10522759	Gmdrm	hyper	CHH	0.0164
Gm08	10645882	10646057	Gmdrm	hyper	CHH	0.054
Gm08	10649953	10650948	Gmdrm	hyper	CHH	0.018
Gm08	10654017	10655015	Gmdrm	hyper	CHH	0.0129
Gm08	10692682	10693659	Gmdrm	hyper	CHH	0.0154
Gm08	10709600	10709892	Gmdrm	hyper	CHH	0.0268
Gm08	10712079	10713076	Gmdrm	hyper	CHH	0.0282
Gm08	10759172	10760170	Gmdrm	hyper	CHH	0.0433
Gm08	10830400	10831384	Gmdrm	hyper	CHH	0.0202
Gm08	10841326	10841621	Gmdrm	hyper	CHH	0.0422
Gm08	10855453	10856427	Gmdrm	hyper	CHH	0.0143
Gm08	10859255	10859367	Gmdrm	hyper	CHH	0.027
Gm08	10872460	10873459	Gmdrm	hyper	CHH	0.015
Gm08	10884328	10885264	Gmdrm	hyper	CHH	0.0251
Gm08	10897793	10898782	Gmdrm	hyper	CHH	0.0152
Gm08	10903819	10903991	Gmdrm	hyper	CHH	0.04
Gm08	10907943	10908064	Gmdrm	hyper	CHH	0.0957
Gm08	10966859	10967609	Gmdrm	hyper	CHH	0.035
Gm08	10987076	10987333	Gmdrm	hyper	CHH	0.0393
Gm08	10991094	10992087	Gmdrm	hyper	CHH	0.0194
Gm08	11013355	11013827	Gmdrm	hyper	CHH	0.0191
Gm08	11126676	11127661	Gmdrm	hyper	CHH	0.0115
Gm08	11138042	11139034	Gmdrm	hyper	CHH	0.0345
Gm08	11173229	11174218	Gmdrm	hyper	CHH	0.0267
Gm08	11251520	11251937	Gmdrm	hyper	CHH	0.0382
Gm08	11281644	11282512	Gmdrm	hyper	CHH	0.0222
Gm08	11285238	11286073	Gmdrm	hyper	CHH	0.0429
Gm08	11313596	11314593	Gmdrm	hyper	CHH	0.0267
Gm08	11337672	11338671	Gmdrm	hyper	CHH	0.0247
Gm08	11361891	11362860	Gmdrm	hyper	CHH	0.0285
Gm08	11375366	11376065	Gmdrm	hyper	CHH	0.0323
Gm08	11478886	11479865	Gmdrm	hyper	CHH	0.0264

Gm08	11499600	11500593	Gmdrm	hyper	CHH	0.0232
Gm08	11516275	11516649	Gmdrm	hyper	CHH	0.1823
Gm08	11516895	11517880	Gmdrm	hyper	CHH	0.1515
Gm08	11530134	11531125	Gmdrm	hyper	CHH	0.015
Gm08	11552307	11553297	Gmdrm	hyper	CHH	0.0199
Gm08	11581782	11582756	Gmdrm	hyper	CHH	0.0227
Gm08	11676664	11677622	Gmdrm	hyper	CHH	0.0146
Gm08	11722338	11723328	Gmdrm	hyper	CHH	0.0129
Gm08	11741894	11742873	Gmdrm	hyper	CHH	0.017
Gm08	11749263	11750249	Gmdrm	hyper	CHH	0.0315
Gm08	11802524	11803177	Gmdrm	hyper	CHH	0.022
Gm08	11815657	11816621	Gmdrm	hyper	CHH	0.0197
Gm08	11825559	11826545	Gmdrm	hyper	CHH	0.033
Gm08	11830851	11831633	Gmdrm	hyper	CHH	0.0291
Gm08	11861907	11862888	Gmdrm	hyper	CHH	0.0206
Gm08	11894887	11895875	Gmdrm	hyper	CHH	0.014
Gm08	11936306	11937252	Gmdrm	hyper	CHH	0.0448
Gm08	12014270	12014903	Gmdrm	hyper	CHH	0.0477
Gm08	12074930	12075754	Gmdrm	hyper	CHH	0.0241
Gm08	12102867	12102987	Gmdrm	hyper	CHH	0.0672
Gm08	12129382	12130382	Gmdrm	hyper	CHH	0.0122
Gm08	12184857	12185845	Gmdrm	hyper	CHH	0.0161
Gm08	12331249	12332238	Gmdrm	hyper	CHH	0.0224
Gm08	12427274	12427963	Gmdrm	hyper	CHH	0.0333
Gm08	12473334	12474305	Gmdrm	hyper	CHH	0.0197
Gm08	12488455	12489381	Gmdrm	hyper	CHH	0.0208
Gm08	12633513	12634512	Gmdrm	hyper	CHH	0.0413
Gm08	12663495	12664476	Gmdrm	hyper	CHH	0.0176
Gm08	12666341	12667331	Gmdrm	hyper	CHH	0.0165
Gm08	12717589	12718508	Gmdrm	hyper	CHH	0.0179
Gm08	12735026	12736008	Gmdrm	hyper	CHH	0.0254
Gm08	12757610	12758606	Gmdrm	hyper	CHH	0.0279
Gm08	13058719	13059706	Gmdrm	hyper	CHH	0.0135
Gm08	13106101	13106652	Gmdrm	hyper	CHH	0.0239
Gm08	13109465	13110055	Gmdrm	hyper	CHH	0.0252
Gm08	13120032	13121011	Gmdrm	hyper	CHH	0.011
Gm08	13181287	13182248	Gmdrm	hyper	CHH	0.0151
Gm08	13282868	13283866	Gmdrm	hyper	CHH	0.0136
Gm08	13294616	13295586	Gmdrm	hyper	CHH	0.0169
Gm08	13321314	13321809	Gmdrm	hyper	CHH	0.0289
Gm08	13329384	13330379	Gmdrm	hyper	CHH	0.0154
Gm08	13396346	13396831	Gmdrm	hyper	CHH	0.0321
Gm08	13409033	13409683	Gmdrm	hyper	CHH	0.0241
Gm08	13412895	13413878	Gmdrm	hyper	CHH	0.0181
Gm08	13486115	13486465	Gmdrm	hyper	CHH	0.07
Gm08	13515543	13516533	Gmdrm	hyper	CHH	0.0155

Gm08	13530064	13530890	Gmdrm	hyper	CHH	0.02
Gm08	13585686	13586681	Gmdrm	hyper	CHH	0.0105
Gm08	13613324	13614310	Gmdrm	hyper	CHH	0.016
Gm08	13662806	13663231	Gmdrm	hyper	CHH	0.022
Gm08	13732064	13733059	Gmdrm	hyper	CHH	0.0241
Gm08	13752994	13753357	Gmdrm	hyper	CHH	0.0197
Gm08	13775362	13775756	Gmdrm	hyper	CHH	0.0326
Gm08	13829432	13830424	Gmdrm	hyper	CHH	0.0272
Gm08	13846792	13847405	Gmdrm	hyper	CHH	0.0334
Gm08	13994805	13995162	Gmdrm	hyper	CHH	0.059
Gm08	14015840	14016837	Gmdrm	hyper	CHH	0.0096
Gm08	14044057	14045055	Gmdrm	hyper	CHH	0.0304
Gm08	14198938	14199104	Gmdrm	hyper	CHH	0.0557
Gm08	14220964	14221920	Gmdrm	hyper	CHH	0.0258
Gm08	14262733	14263104	Gmdrm	hyper	CHH	0.0382
Gm08	14272943	14273458	Gmdrm	hyper	CHH	0.0447
Gm08	14296467	14296749	Gmdrm	hyper	CHH	0.0437
Gm08	14310841	14311830	Gmdrm	hyper	CHH	0.0126
Gm08	14352006	14352405	Gmdrm	hyper	CHH	0.0189
Gm08	14376630	14377604	Gmdrm	hyper	CHH	0.0199
Gm08	14411746	14412741	Gmdrm	hyper	CHH	0.01
Gm08	14560832	14561806	Gmdrm	hyper	CHH	0.0425
Gm08	14635924	14636590	Gmdrm	hyper	CHH	0.0383
Gm08	14706067	14707066	Gmdrm	hyper	CHH	0.0174
Gm08	14753929	14754917	Gmdrm	hyper	CHH	0.0211
Gm08	14767362	14768348	Gmdrm	hyper	CHH	0.0376
Gm08	14799646	14800638	Gmdrm	hyper	CHH	0.0166
Gm08	14828791	14829772	Gmdrm	hyper	CHH	0.0465
Gm08	14873578	14874544	Gmdrm	hyper	CHH	0.0179
Gm08	14878234	14879218	Gmdrm	hyper	CHH	0.0178
Gm08	14900052	14900865	Gmdrm	hyper	CHH	0.0185
Gm08	14902731	14903719	Gmdrm	hyper	CHH	0.0224
Gm08	14970955	14971285	Gmdrm	hyper	CHH	0.0335
Gm08	15015984	15016261	Gmdrm	hyper	CHH	0.0336
Gm08	15103645	15103926	Gmdrm	hyper	CHH	0.0346
Gm08	15235509	15236438	Gmdrm	hyper	CHH	0.0123
Gm08	15250113	15251061	Gmdrm	hyper	CHH	0.0156
Gm08	15267880	15268864	Gmdrm	hyper	CHH	0.0159
Gm08	15307254	15308250	Gmdrm	hyper	CHH	0.0145
Gm08	15316378	15317373	Gmdrm	hyper	CHH	0.0177
Gm08	15356795	15357769	Gmdrm	hyper	CHH	0.02
Gm08	15544779	15545775	Gmdrm	hyper	CHH	0.0162
Gm08	15558723	15558814	Gmdrm	hyper	CHH	0.0515
Gm08	15571128	15572088	Gmdrm	hyper	CHH	0.0188
Gm08	15586010	15586372	Gmdrm	hyper	CHH	0.0516
Gm08	15588501	15588726	Gmdrm	hyper	CHH	0.0482

Gm08	15606599	15607591	Gmdrm	hyper	CHH	0.0197
Gm08	15662711	15663698	Gmdrm	hyper	CHH	0.0207
Gm08	15676658	15677651	Gmdrm	hyper	CHH	0.0133
Gm08	15685797	15686216	Gmdrm	hyper	CHH	0.0374
Gm08	15794957	15795050	Gmdrm	hyper	CHH	0.042
Gm08	15816789	15817766	Gmdrm	hyper	CHH	0.0373
Gm08	15822262	15823242	Gmdrm	hyper	CHH	0.0226
Gm08	15846637	15847594	Gmdrm	hyper	CHH	0.013
Gm08	15860473	15860722	Gmdrm	hyper	CHH	0.0301
Gm08	15948999	15949988	Gmdrm	hyper	CHH	0.0221
Gm08	16048285	16049276	Gmdrm	hyper	CHH	0.0245
Gm08	16052660	16053660	Gmdrm	hyper	CHH	0.0119
Gm08	16081297	16082296	Gmdrm	hyper	CHH	0.0191
Gm08	16154322	16155279	Gmdrm	hyper	CHH	0.017
Gm08	16201987	16202974	Gmdrm	hyper	CHH	0.0337
Gm08	16328544	16329510	Gmdrm	hyper	CHH	0.0172
Gm08	16374686	16375666	Gmdrm	hyper	CHH	0.0159
Gm08	16438363	16438477	Gmdrm	hyper	CHH	0.059
Gm08	16476225	16477193	Gmdrm	hyper	CHH	0.019
Gm08	16538031	16538454	Gmdrm	hyper	CHH	0.0367
Gm08	16569706	16570700	Gmdrm	hyper	CHH	0.0277
Gm08	16570707	16570824	Gmdrm	hyper	CHH	0.0321
Gm08	16608969	16609929	Gmdrm	hyper	CHH	0.0099
Gm08	16667856	16668222	Gmdrm	hyper	CHH	0.02
Gm08	16704445	16704962	Gmdrm	hyper	CHH	0.0354
Gm08	16727944	16728140	Gmdrm	hyper	CHH	0.026
Gm08	16832570	16833567	Gmdrm	hyper	CHH	0.0205
Gm08	16951609	16952592	Gmdrm	hyper	CHH	0.0172
Gm08	16952613	16953612	Gmdrm	hyper	CHH	0.0144
Gm08	16973658	16974658	Gmdrm	hyper	CHH	0.0145
Gm08	16974670	16975258	Gmdrm	hyper	CHH	0.0748
Gm08	17053472	17053714	Gmdrm	hyper	CHH	0.0478
Gm08	17053929	17054923	Gmdrm	hyper	CHH	0.0245
Gm08	17080313	17081301	Gmdrm	hyper	CHH	0.0245
Gm08	17095091	17096046	Gmdrm	hyper	CHH	0.0159
Gm08	17122759	17123759	Gmdrm	hyper	CHH	0.0238
Gm08	17184533	17185410	Gmdrm	hyper	CHH	0.0123
Gm08	17221040	17222022	Gmdrm	hyper	CHH	0.0133
Gm08	17257488	17258474	Gmdrm	hyper	CHH	0.0109
Gm08	17295051	17296028	Gmdrm	hyper	CHH	0.0162
Gm08	17300816	17301814	Gmdrm	hyper	CHH	0.0232
Gm08	17372131	17373097	Gmdrm	hyper	CHH	0.0106
Gm08	17446644	17447248	Gmdrm	hyper	CHH	0.0318
Gm08	17658994	17659992	Gmdrm	hyper	CHH	0.0204
Gm08	17665515	17666501	Gmdrm	hyper	CHH	0.0154
Gm08	17677533	17678149	Gmdrm	hyper	CHH	0.0209

Gm08	17678972	17679971	Gmdrm	hyper	CHH	0.0214
Gm08	17679974	17680914	Gmdrm	hyper	CHH	0.0151
Gm08	17681218	17682216	Gmdrm	hyper	CHH	0.013
Gm08	17715806	17716500	Gmdrm	hyper	CHH	0.0438
Gm08	17799908	17800904	Gmdrm	hyper	CHH	0.0129
Gm08	17856561	17857360	Gmdrm	hyper	CHH	0.0185
Gm08	17893664	17894661	Gmdrm	hyper	CHH	0.0148
Gm08	17902465	17902670	Gmdrm	hyper	CHH	0.0458
Gm08	17938009	17938985	Gmdrm	hyper	CHH	0.0344
Gm08	17967383	17968355	Gmdrm	hyper	CHH	0.0115
Gm08	18008676	18009674	Gmdrm	hyper	CHH	0.0137
Gm08	18013026	18014013	Gmdrm	hyper	CHH	0.0377
Gm08	18048819	18049425	Gmdrm	hyper	CHH	0.0212
Gm08	18097708	18097893	Gmdrm	hyper	CHH	0.03
Gm08	18135701	18136659	Gmdrm	hyper	CHH	0.0279
Gm08	18317664	18318637	Gmdrm	hyper	CHH	0.0112
Gm08	18341453	18341708	Gmdrm	hyper	CHH	0.0437
Gm08	18348938	18349938	Gmdrm	hyper	CHH	0.0284
Gm08	18370511	18371511	Gmdrm	hyper	CHH	0.0115
Gm08	18388385	18388928	Gmdrm	hyper	CHH	0.0229
Gm08	18450645	18451624	Gmdrm	hyper	CHH	0.0121
Gm08	18543717	18544715	Gmdrm	hyper	CHH	0.0143
Gm08	18609735	18610727	Gmdrm	hyper	CHH	0.0233
Gm08	18625113	18625282	Gmdrm	hyper	CHH	0.085
Gm08	18678695	18679689	Gmdrm	hyper	CHH	0.0282
Gm08	18723210	18724207	Gmdrm	hyper	CHH	0.0225
Gm08	18821751	18822743	Gmdrm	hyper	CHH	0.0332
Gm08	18950319	18951276	Gmdrm	hyper	CHH	0.0272
Gm08	18960419	18960679	Gmdrm	hyper	CHH	0.023
Gm08	18964762	18965761	Gmdrm	hyper	CHH	0.029
Gm08	19039477	19040394	Gmdrm	hyper	CHH	0.0184
Gm08	19080573	19081573	Gmdrm	hyper	CHH	0.0309
Gm08	19130454	19131422	Gmdrm	hyper	CHH	0.0226
Gm08	19188514	19188675	Gmdrm	hyper	CHH	0.1117
Gm08	19206746	19207711	Gmdrm	hyper	CHH	0.0145
Gm08	19213799	19214786	Gmdrm	hyper	CHH	0.03
Gm08	19228755	19229747	Gmdrm	hyper	CHH	0.0158
Gm08	19450244	19451218	Gmdrm	hyper	CHH	0.0216
Gm08	19645560	19646550	Gmdrm	hyper	CHH	0.0202
Gm08	19795619	19795850	Gmdrm	hyper	CHH	0.0551
Gm08	19811007	19811996	Gmdrm	hyper	CHH	0.0207
Gm08	19872334	19872516	Gmdrm	hyper	CHH	0.0459
Gm08	19914549	19915548	Gmdrm	hyper	CHH	0.0286
Gm08	19915573	19916564	Gmdrm	hyper	CHH	0.0109
Gm08	20072878	20073877	Gmdrm	hyper	CHH	0.0123
Gm08	20074233	20075228	Gmdrm	hyper	CHH	0.0208

Gm08	20120235	20121227	Gmdrm	hyper	CHH	0.0577
Gm08	20134673	20135662	Gmdrm	hyper	CHH	0.0276
Gm08	20164439	20165416	Gmdrm	hyper	CHH	0.0153
Gm08	20207611	20208587	Gmdrm	hyper	CHH	0.0309
Gm08	20222756	20223747	Gmdrm	hyper	CHH	0.0244
Gm08	20293668	20294649	Gmdrm	hyper	CHH	0.0887
Gm08	20504785	20505754	Gmdrm	hyper	CHH	0.0153
Gm08	20647244	20647996	Gmdrm	hyper	CHH	0.0253
Gm08	20690020	20691010	Gmdrm	hyper	CHH	0.0535
Gm08	20706707	20707707	Gmdrm	hyper	CHH	0.0147
Gm08	20738313	20739143	Gmdrm	hyper	CHH	0.0206
Gm08	20750877	20751819	Gmdrm	hyper	CHH	0.0202
Gm08	20797084	20798079	Gmdrm	hyper	CHH	0.0586
Gm08	21306297	21307283	Gmdrm	hyper	CHH	0.0159
Gm08	21349467	21350450	Gmdrm	hyper	CHH	0.0117
Gm08	21371433	21372432	Gmdrm	hyper	CHH	0.0284
Gm08	21436664	21437649	Gmdrm	hyper	CHH	0.025
Gm08	21489035	21490035	Gmdrm	hyper	CHH	0.0154
Gm08	21612646	21613644	Gmdrm	hyper	CHH	0.0156
Gm08	21631316	21632303	Gmdrm	hyper	CHH	0.0419
Gm08	21635943	21636942	Gmdrm	hyper	CHH	0.1064
Gm08	21636944	21637942	Gmdrm	hyper	CHH	0.0745
Gm08	21950391	21950977	Gmdrm	hyper	CHH	0.0287
Gm08	22003445	22003664	Gmdrm	hyper	CHH	0.0367
Gm08	22041439	22042434	Gmdrm	hyper	CHH	0.0156
Gm08	22059569	22060542	Gmdrm	hyper	CHH	0.0181
Gm08	22222723	22223015	Gmdrm	hyper	CHH	0.0975
Gm08	22258555	22259537	Gmdrm	hyper	CHH	0.025
Gm08	22323210	22323987	Gmdrm	hyper	CHH	0.0631
Gm08	22326628	22327623	Gmdrm	hyper	CHH	0.0375
Gm08	22335821	22336820	Gmdrm	hyper	CHH	0.0295
Gm08	22514740	22515728	Gmdrm	hyper	CHH	0.0121
Gm08	22533513	22534140	Gmdrm	hyper	CHH	0.0276
Gm08	22605522	22606517	Gmdrm	hyper	CHH	0.0341
Gm08	22677178	22678178	Gmdrm	hyper	CHH	0.0161
Gm08	22747861	22748793	Gmdrm	hyper	CHH	0.0349
Gm08	22785655	22786655	Gmdrm	hyper	CHH	0.0505
Gm08	22831475	22831537	Gmdrm	hyper	CHH	0.046
Gm08	22989171	22990168	Gmdrm	hyper	CHH	0.0412
Gm08	23064503	23065496	Gmdrm	hyper	CHH	0.0557
Gm08	23088970	23089963	Gmdrm	hyper	CHH	0.0529
Gm08	23164551	23165521	Gmdrm	hyper	CHH	0.0201
Gm08	23246315	23246656	Gmdrm	hyper	CHH	0.0375
Gm08	23284923	23285911	Gmdrm	hyper	CHH	0.0237
Gm08	23307478	23308409	Gmdrm	hyper	CHH	0.019
Gm08	23310588	23311584	Gmdrm	hyper	CHH	0.0178

Gm08	23333519	23334497	Gmdrm	hyper	CHH	0.02
Gm08	23387916	23387947	Gmdrm	hyper	CHH	0.08
Gm08	23448071	23448867	Gmdrm	hyper	CHH	0.0309
Gm08	23509270	23510257	Gmdrm	hyper	CHH	0.0167
Gm08	23518211	23519189	Gmdrm	hyper	CHH	0.0206
Gm08	23643118	23643244	Gmdrm	hyper	CHH	0.16
Gm08	23649289	23650274	Gmdrm	hyper	CHH	0.0179
Gm08	23659049	23659180	Gmdrm	hyper	CHH	0.0475
Gm08	23679779	23680779	Gmdrm	hyper	CHH	0.0382
Gm08	23699611	23700108	Gmdrm	hyper	CHH	0.0381
Gm08	23717077	23718065	Gmdrm	hyper	CHH	0.0419
Gm08	23734440	23734467	Gmdrm	hyper	CHH	0.3333
Gm08	24051325	24051781	Gmdrm	hyper	CHH	0.1355
Gm08	24474387	24474524	Gmdrm	hyper	CHH	0.259
Gm08	24579142	24579182	Gmdrm	hyper	CHH	0.13
Gm08	24938828	24938900	Gmdrm	hyper	CHH	0.3334
Gm08	25135813	25136784	Gmdrm	hyper	CHH	0.0158
Gm08	25474371	25474426	Gmdrm	hyper	CHH	0.2386
Gm08	25639463	25640169	Gmdrm	hyper	CHH	0.0548
Gm08	26307996	26308608	Gmdrm	hyper	CHH	0.0661
Gm08	26427080	26428055	Gmdrm	hyper	CHH	0.0499
Gm08	26474123	26474587	Gmdrm	hyper	CHH	0.1366
Gm08	26480919	26481918	Gmdrm	hyper	CHH	0.0501
Gm08	26614066	26615064	Gmdrm	hyper	CHH	0.0598
Gm08	26622423	26622636	Gmdrm	hyper	CHH	0.1473
Gm08	26636871	26637475	Gmdrm	hyper	CHH	0.0955
Gm08	26930039	26931038	Gmdrm	hyper	CHH	0.0497
Gm08	27024422	27025420	Gmdrm	hyper	CHH	0.0576
Gm08	27043887	27043953	Gmdrm	hyper	CHH	0.1028
Gm08	27045192	27046172	Gmdrm	hyper	CHH	0.0834
Gm08	27351909	27352903	Gmdrm	hyper	CHH	0.0473
Gm08	27454225	27455213	Gmdrm	hyper	CHH	0.051
Gm08	27729910	27729986	Gmdrm	hyper	CHH	0.1856
Gm08	27746758	27747758	Gmdrm	hyper	CHH	0.0652
Gm08	27754875	27754900	Gmdrm	hyper	CHH	0.1267
Gm08	27768173	27768361	Gmdrm	hyper	CHH	0.2446
Gm08	27905743	27906734	Gmdrm	hyper	CHH	0.0187
Gm08	27992046	27993015	Gmdrm	hyper	CHH	0.0501
Gm08	28065091	28065458	Gmdrm	hyper	CHH	0.1063
Gm08	28201980	28202977	Gmdrm	hyper	CHH	0.0172
Gm08	28471916	28471979	Gmdrm	hyper	CHH	0.216
Gm08	28480166	28481163	Gmdrm	hyper	CHH	0.0454
Gm08	28924838	28925351	Gmdrm	hyper	CHH	0.0276
Gm08	28925458	28926452	Gmdrm	hyper	CHH	0.0224
Gm08	28936025	28937021	Gmdrm	hyper	CHH	0.0541
Gm08	29052661	29052929	Gmdrm	hyper	CHH	0.0819

Gm08	29131737	29132678	Gmdrm	hyper	CHH	0.0177
Gm08	29161098	29161896	Gmdrm	hyper	CHH	0.0187
Gm08	29198771	29199771	Gmdrm	hyper	CHH	0.0676
Gm08	29334900	29335220	Gmdrm	hyper	CHH	0.1785
Gm08	29399349	29399445	Gmdrm	hyper	CHH	0.214
Gm08	29406364	29406411	Gmdrm	hyper	CHH	0.2214
Gm08	29514730	29514974	Gmdrm	hyper	CHH	0.175
Gm08	29622485	29623465	Gmdrm	hyper	CHH	0.0493
Gm08	29790699	29791684	Gmdrm	hyper	CHH	0.0449
Gm08	30131118	30132106	Gmdrm	hyper	CHH	0.036
Gm08	30132120	30133113	Gmdrm	hyper	CHH	0.0351
Gm08	30158371	30159312	Gmdrm	hyper	CHH	0.0138
Gm08	30431140	30431989	Gmdrm	hyper	CHH	0.0851
Gm08	30444031	30444895	Gmdrm	hyper	CHH	0.0771
Gm08	30781201	30782184	Gmdrm	hyper	CHH	0.0875
Gm08	30827927	30828921	Gmdrm	hyper	CHH	0.0708
Gm08	30830518	30831415	Gmdrm	hyper	CHH	0.0674
Gm08	30925625	30926591	Gmdrm	hyper	CHH	0.0279
Gm08	30971653	30972648	Gmdrm	hyper	CHH	0.0545
Gm08	31033123	31033267	Gmdrm	hyper	CHH	0.191
Gm08	31168542	31169541	Gmdrm	hyper	CHH	0.0416
Gm08	31414007	31414117	Gmdrm	hyper	CHH	0.1523
Gm08	31479627	31480624	Gmdrm	hyper	CHH	0.02
Gm08	32206916	32207378	Gmdrm	hyper	CHH	0.1373
Gm08	32272607	32273599	Gmdrm	hyper	CHH	0.0516
Gm08	32480461	32481459	Gmdrm	hyper	CHH	0.06
Gm08	32688043	32688469	Gmdrm	hyper	CHH	0.0432
Gm08	32792900	32793900	Gmdrm	hyper	CHH	0.0537
Gm08	33057050	33058047	Gmdrm	hyper	CHH	0.0467
Gm08	33079682	33079802	Gmdrm	hyper	CHH	0.1766
Gm08	33365204	33365960	Gmdrm	hyper	CHH	0.0619
Gm08	33776044	33777044	Gmdrm	hyper	CHH	0.0559
Gm08	33781793	33782788	Gmdrm	hyper	CHH	0.0307
Gm08	33992024	33993023	Gmdrm	hyper	CHH	0.0445
Gm08	34141974	34142574	Gmdrm	hyper	CHH	0.0438
Gm08	34238968	34239957	Gmdrm	hyper	CHH	0.0552
Gm08	34312510	34313507	Gmdrm	hyper	CHH	0.0431
Gm08	34409958	34410239	Gmdrm	hyper	CHH	0.0896
Gm08	34471074	34472070	Gmdrm	hyper	CHH	0.0493
Gm08	34490226	34490652	Gmdrm	hyper	CHH	0.0954
Gm08	34509280	34510279	Gmdrm	hyper	CHH	0.0558
Gm08	34513330	34514315	Gmdrm	hyper	CHH	0.017
Gm08	34539624	34540531	Gmdrm	hyper	CHH	0.0131
Gm08	34830696	34830870	Gmdrm	hyper	CHH	0.024
Gm08	34960698	34961674	Gmdrm	hyper	CHH	0.0511
Gm08	35276168	35277167	Gmdrm	hyper	CHH	0.0455

Gm08	35364006	35365002	Gmdrm	hyper	CHH	0.0171
Gm08	35399208	35400199	Gmdrm	hyper	CHH	0.0342
Gm08	35463429	35464423	Gmdrm	hyper	CHH	0.0425
Gm08	35524090	35524180	Gmdrm	hyper	CHH	0.194
Gm08	35649124	35649792	Gmdrm	hyper	CHH	0.0251
Gm08	35687706	35688702	Gmdrm	hyper	CHH	0.0863
Gm08	35905424	35905757	Gmdrm	hyper	CHH	0.1737
Gm08	35956994	35957992	Gmdrm	hyper	CHH	0.0489
Gm08	36018802	36019794	Gmdrm	hyper	CHH	0.046
Gm08	36055182	36055755	Gmdrm	hyper	CHH	0.079
Gm08	36066706	36067086	Gmdrm	hyper	CHH	0.0363
Gm08	36072584	36073537	Gmdrm	hyper	CHH	0.0291
Gm08	36173041	36173977	Gmdrm	hyper	CHH	0.0544
Gm08	36259559	36260553	Gmdrm	hyper	CHH	0.0238
Gm08	36284521	36285492	Gmdrm	hyper	CHH	0.0259
Gm08	36426360	36427359	Gmdrm	hyper	CHH	0.0294
Gm08	36454290	36454883	Gmdrm	hyper	CHH	0.0128
Gm08	36506377	36506669	Gmdrm	hyper	CHH	0.0277
Gm08	36604464	36605434	Gmdrm	hyper	CHH	0.0269
Gm08	36621408	36622405	Gmdrm	hyper	CHH	0.0499
Gm08	36637981	36638979	Gmdrm	hyper	CHH	0.0426
Gm08	36716161	36717150	Gmdrm	hyper	CHH	0.0395
Gm08	36749536	36750509	Gmdrm	hyper	CHH	0.0367
Gm08	36774969	36775457	Gmdrm	hyper	CHH	0.1522
Gm08	36827903	36828858	Gmdrm	hyper	CHH	0.0334
Gm08	36911547	36912043	Gmdrm	hyper	CHH	0.0533
Gm08	37166812	37167790	Gmdrm	hyper	CHH	0.0168
Gm08	37424227	37424601	Gmdrm	hyper	CHH	0.1276
Gm08	37609262	37610260	Gmdrm	hyper	CHH	0.0363
Gm08	37755792	37756780	Gmdrm	hyper	CHH	0.0636
Gm08	37774886	37775873	Gmdrm	hyper	CHH	0.0537
Gm08	37906545	37907542	Gmdrm	hyper	CHH	0.0619
Gm08	37926141	37926922	Gmdrm	hyper	CHH	0.1147
Gm08	37996423	37996995	Gmdrm	hyper	CHH	0.0223
Gm08	38134317	38135309	Gmdrm	hyper	CHH	0.0466
Gm08	38144193	38145191	Gmdrm	hyper	CHH	0.0151
Gm08	38190127	38191127	Gmdrm	hyper	CHH	0.0264
Gm08	38253909	38254858	Gmdrm	hyper	CHH	0.019
Gm08	38261431	38261803	Gmdrm	hyper	CHH	0.0318
Gm08	38281251	38281707	Gmdrm	hyper	CHH	0.0937
Gm08	38286897	38287870	Gmdrm	hyper	CHH	0.0249
Gm08	38290323	38290498	Gmdrm	hyper	CHH	0.056
Gm08	38305659	38306642	Gmdrm	hyper	CHH	0.0146
Gm08	38309963	38310959	Gmdrm	hyper	CHH	0.0166
Gm08	38368042	38369023	Gmdrm	hyper	CHH	0.0131
Gm08	38406421	38406831	Gmdrm	hyper	CHH	0.0204

Gm08	38421363	38422359	Gmdrm	hyper	CHH	0.0281
Gm08	38602375	38603375	Gmdrm	hyper	CHH	0.0117
Gm08	38647316	38648308	Gmdrm	hyper	CHH	0.0196
Gm08	38650377	38651371	Gmdrm	hyper	CHH	0.0188
Gm08	38651407	38652194	Gmdrm	hyper	CHH	0.0117
Gm08	38675126	38676123	Gmdrm	hyper	CHH	0.0309
Gm08	38699125	38700119	Gmdrm	hyper	CHH	0.0174
Gm08	38762585	38763578	Gmdrm	hyper	CHH	0.0112
Gm08	38808623	38809115	Gmdrm	hyper	CHH	0.0401
Gm08	38815440	38816433	Gmdrm	hyper	CHH	0.0124
Gm08	38903671	38904626	Gmdrm	hyper	CHH	0.0156
Gm08	38905687	38906680	Gmdrm	hyper	CHH	0.0112
Gm08	38915597	38916566	Gmdrm	hyper	CHH	0.0147
Gm08	38967758	38968151	Gmdrm	hyper	CHH	0.0169
Gm08	38973915	38974895	Gmdrm	hyper	CHH	0.0176
Gm08	39115072	39115828	Gmdrm	hyper	CHH	0.0198
Gm08	39153641	39154614	Gmdrm	hyper	CHH	0.0122
Gm08	39365798	39366766	Gmdrm	hyper	CHH	0.084
Gm08	39469173	39470112	Gmdrm	hyper	CHH	0.0209
Gm08	39525288	39526212	Gmdrm	hyper	CHH	0.0239
Gm08	39580345	39580825	Gmdrm	hyper	CHH	0.0365
Gm08	39627382	39628026	Gmdrm	hyper	CHH	0.0418
Gm08	39689808	39689905	Gmdrm	hyper	CHH	0.054
Gm08	39961603	39962596	Gmdrm	hyper	CHH	0.0312
Gm08	40009670	40010318	Gmdrm	hyper	CHH	0.0145
Gm08	40019187	40019884	Gmdrm	hyper	CHH	0.0309
Gm08	40043988	40044951	Gmdrm	hyper	CHH	0.0218
Gm08	40110401	40111396	Gmdrm	hyper	CHH	0.0215
Gm08	40269703	40269957	Gmdrm	hyper	CHH	0.0418
Gm08	40308882	40309530	Gmdrm	hyper	CHH	0.0137
Gm08	40375733	40376724	Gmdrm	hyper	CHH	0.0107
Gm08	40413437	40414429	Gmdrm	hyper	CHH	0.0147
Gm08	40451657	40452649	Gmdrm	hyper	CHH	0.0172
Gm08	40479947	40480936	Gmdrm	hyper	CHH	0.0097
Gm08	40501188	40502188	Gmdrm	hyper	CHH	0.0202
Gm08	40566451	40567171	Gmdrm	hyper	CHH	0.0259
Gm08	40662331	40662811	Gmdrm	hyper	CHH	0.0231
Gm08	40728364	40729353	Gmdrm	hyper	CHH	0.0349
Gm08	40823607	40824602	Gmdrm	hyper	CHH	0.0243
Gm08	40976856	40976960	Gmdrm	hyper	CHH	0.0486
Gm08	40985008	40985881	Gmdrm	hyper	CHH	0.0296
Gm08	40992512	40993467	Gmdrm	hyper	CHH	0.0177
Gm08	41036974	41037948	Gmdrm	hyper	CHH	0.0162
Gm08	41091997	41092027	Gmdrm	hyper	CHH	0.1267
Gm08	41100412	41101405	Gmdrm	hyper	CHH	0.0178
Gm08	41123252	41124083	Gmdrm	hyper	CHH	0.0237

Gm08	41165478	41166476	Gmdrm	hyper	CHH	0.0175
Gm08	41167289	41168288	Gmdrm	hyper	CHH	0.0127
Gm08	41182836	41183325	Gmdrm	hyper	CHH	0.0439
Gm08	41248784	41249730	Gmdrm	hyper	CHH	0.0195
Gm08	41254133	41254650	Gmdrm	hyper	CHH	0.0517
Gm08	41322032	41323031	Gmdrm	hyper	CHH	0.0265
Gm08	41329939	41330927	Gmdrm	hyper	CHH	0.0176
Gm08	41330969	41331927	Gmdrm	hyper	CHH	0.022
Gm08	41387053	41388021	Gmdrm	hyper	CHH	0.025
Gm08	41426074	41426218	Gmdrm	hyper	CHH	0.0338
Gm08	41431346	41431394	Gmdrm	hyper	CHH	0.05
Gm08	41511689	41511931	Gmdrm	hyper	CHH	0.0411
Gm08	41537378	41538375	Gmdrm	hyper	CHH	0.0153
Gm08	41557537	41558534	Gmdrm	hyper	CHH	0.011
Gm08	41603068	41603233	Gmdrm	hyper	CHH	0.042
Gm08	41603353	41604343	Gmdrm	hyper	CHH	0.0123
Gm08	41715925	41716914	Gmdrm	hyper	CHH	0.018
Gm08	41764379	41765022	Gmdrm	hyper	CHH	0.0237
Gm08	41774465	41775462	Gmdrm	hyper	CHH	0.0209
Gm08	41826039	41827038	Gmdrm	hyper	CHH	0.0192
Gm08	41916080	41917068	Gmdrm	hyper	CHH	0.0118
Gm08	41931280	41932280	Gmdrm	hyper	CHH	0.0117
Gm08	41933348	41934334	Gmdrm	hyper	CHH	0.0219
Gm08	41974007	41974978	Gmdrm	hyper	CHH	0.0112
Gm08	41975012	41976010	Gmdrm	hyper	CHH	0.0125
Gm08	41987709	41988695	Gmdrm	hyper	CHH	0.0174
Gm08	42025084	42026079	Gmdrm	hyper	CHH	0.0149
Gm08	42133342	42134342	Gmdrm	hyper	CHH	0.0225
Gm08	42145472	42145991	Gmdrm	hyper	CHH	0.0319
Gm08	42197747	42198131	Gmdrm	hyper	CHH	0.0617
Gm08	42252885	42253868	Gmdrm	hyper	CHH	0.0165
Gm08	42256941	42257936	Gmdrm	hyper	CHH	0.0119
Gm08	42257959	42258543	Gmdrm	hyper	CHH	0.0228
Gm08	42260270	42261268	Gmdrm	hyper	CHH	0.0231
Gm08	42262276	42263258	Gmdrm	hyper	CHH	0.012
Gm08	42395907	42396889	Gmdrm	hyper	CHH	0.0179
Gm08	42572103	42573093	Gmdrm	hyper	CHH	0.037
Gm08	42645815	42646722	Gmdrm	hyper	CHH	0.0127
Gm08	42664886	42665832	Gmdrm	hyper	CHH	0.0196
Gm08	42810303	42811082	Gmdrm	hyper	CHH	0.0174
Gm08	42889800	42890125	Gmdrm	hyper	CHH	0.035
Gm08	42896492	42896799	Gmdrm	hyper	CHH	0.0203
Gm08	42952493	42953486	Gmdrm	hyper	CHH	0.0317
Gm08	43026958	43027044	Gmdrm	hyper	CHH	0.0588
Gm08	43041060	43042054	Gmdrm	hyper	CHH	0.0275
Gm08	43060714	43061712	Gmdrm	hyper	CHH	0.0115

Gm08	43065511	43066502	Gmdrm	hyper	CHH	0.0183
Gm08	43072617	43073609	Gmdrm	hyper	CHH	0.0113
Gm08	43173249	43174213	Gmdrm	hyper	CHH	0.0348
Gm08	43279010	43279872	Gmdrm	hyper	CHH	0.0218
Gm08	43348217	43348852	Gmdrm	hyper	CHH	0.0323
Gm08	43376198	43376522	Gmdrm	hyper	CHH	0.0364
Gm08	43424026	43424241	Gmdrm	hyper	CHH	0.0271
Gm08	43443019	43443281	Gmdrm	hyper	CHH	0.0544
Gm08	43452950	43453552	Gmdrm	hyper	CHH	0.049
Gm08	43461273	43461419	Gmdrm	hyper	CHH	0.0645
Gm08	43522513	43523501	Gmdrm	hyper	CHH	0.0145
Gm08	43556796	43557630	Gmdrm	hyper	CHH	0.0446
Gm08	43587007	43587525	Gmdrm	hyper	CHH	0.0439
Gm08	43610154	43611147	Gmdrm	hyper	CHH	0.0224
Gm08	43673400	43674358	Gmdrm	hyper	CHH	0.0215
Gm08	43726458	43727447	Gmdrm	hyper	CHH	0.0179
Gm08	43766421	43767414	Gmdrm	hyper	CHH	0.014
Gm08	43768525	43768633	Gmdrm	hyper	CHH	0.047
Gm08	43816585	43817582	Gmdrm	hyper	CHH	0.0166
Gm08	43898917	43899143	Gmdrm	hyper	CHH	0.0375
Gm08	43919125	43920116	Gmdrm	hyper	CHH	0.0221
Gm08	43947436	43948424	Gmdrm	hyper	CHH	0.0201
Gm08	43970818	43971814	Gmdrm	hyper	CHH	0.0149
Gm08	44009159	44010083	Gmdrm	hyper	CHH	0.0211
Gm08	44057846	44058816	Gmdrm	hyper	CHH	0.0128
Gm08	44126875	44127741	Gmdrm	hyper	CHH	0.0189
Gm08	44133645	44134645	Gmdrm	hyper	CHH	0.0179
Gm08	44236265	44237264	Gmdrm	hyper	CHH	0.0149
Gm08	44265180	44265590	Gmdrm	hyper	CHH	0.0707
Gm08	44300351	44301350	Gmdrm	hyper	CHH	0.0154
Gm08	44303417	44304048	Gmdrm	hyper	CHH	0.0211
Gm08	44312608	44313606	Gmdrm	hyper	CHH	0.018
Gm08	44356953	44357669	Gmdrm	hyper	CHH	0.0236
Gm08	44362694	44363691	Gmdrm	hyper	CHH	0.0162
Gm08	44365585	44366585	Gmdrm	hyper	CHH	0.0201
Gm08	44390053	44391051	Gmdrm	hyper	CHH	0.024
Gm08	44412991	44413699	Gmdrm	hyper	CHH	0.0221
Gm08	44413811	44414373	Gmdrm	hyper	CHH	0.028
Gm08	44438336	44439327	Gmdrm	hyper	CHH	0.0324
Gm08	44470419	44471389	Gmdrm	hyper	CHH	0.0152
Gm08	44500693	44501641	Gmdrm	hyper	CHH	0.0223
Gm08	44538948	44539144	Gmdrm	hyper	CHH	0.16
Gm08	44559036	44559413	Gmdrm	hyper	CHH	0.0471
Gm08	44702814	44703808	Gmdrm	hyper	CHH	0.0135
Gm08	44739219	44739527	Gmdrm	hyper	CHH	0.0522
Gm08	44794967	44795962	Gmdrm	hyper	CHH	0.0172

Gm08	44836731	44837726	Gmdrm	hyper	CHH	0.0203
Gm08	44847579	44848570	Gmdrm	hyper	CHH	0.012
Gm08	44882995	44883191	Gmdrm	hyper	CHH	0.0979
Gm08	44949035	44950032	Gmdrm	hyper	CHH	0.0228
Gm08	45045802	45046757	Gmdrm	hyper	CHH	0.0183
Gm08	45073098	45074067	Gmdrm	hyper	CHH	0.0181
Gm08	45098951	45099904	Gmdrm	hyper	CHH	0.0194
Gm08	45150421	45151421	Gmdrm	hyper	CHH	0.0182
Gm08	45195206	45195882	Gmdrm	hyper	CHH	0.0197
Gm08	45256989	45257985	Gmdrm	hyper	CHH	0.0271
Gm08	45260650	45261646	Gmdrm	hyper	CHH	0.0143
Gm08	45267478	45268476	Gmdrm	hyper	CHH	0.009
Gm08	45311045	45312033	Gmdrm	hyper	CHH	0.0115
Gm08	45329416	45330403	Gmdrm	hyper	CHH	0.0202
Gm08	45342626	45343619	Gmdrm	hyper	CHH	0.0134
Gm08	45381180	45381876	Gmdrm	hyper	CHH	0.0163
Gm08	45413264	45414247	Gmdrm	hyper	CHH	0.0118
Gm08	45473016	45473984	Gmdrm	hyper	CHH	0.0178
Gm08	45482201	45483200	Gmdrm	hyper	CHH	0.0139
Gm08	45515075	45516069	Gmdrm	hyper	CHH	0.0177
Gm08	45537535	45538495	Gmdrm	hyper	CHH	0.0174
Gm08	45570107	45571078	Gmdrm	hyper	CHH	0.0142
Gm08	45579599	45580599	Gmdrm	hyper	CHH	0.012
Gm08	45583146	45584107	Gmdrm	hyper	CHH	0.0195
Gm08	45591722	45592713	Gmdrm	hyper	CHH	0.0164
Gm08	45614250	45614501	Gmdrm	hyper	CHH	0.0333
Gm08	45616049	45616486	Gmdrm	hyper	CHH	0.0524
Gm08	45634329	45635069	Gmdrm	hyper	CHH	0.0156
Gm08	45635204	45636198	Gmdrm	hyper	CHH	0.0158
Gm08	45658292	45658776	Gmdrm	hyper	CHH	0.0435
Gm08	45760857	45761021	Gmdrm	hyper	CHH	0.06
Gm08	45805497	45805717	Gmdrm	hyper	CHH	0.0293
Gm08	45810379	45810830	Gmdrm	hyper	CHH	0.029
Gm08	45862224	45863023	Gmdrm	hyper	CHH	0.0185
Gm08	45903647	45904646	Gmdrm	hyper	CHH	0.0277
Gm08	45936816	45937800	Gmdrm	hyper	CHH	0.0174
Gm08	45974996	45975749	Gmdrm	hyper	CHH	0.023
Gm08	45980617	45981604	Gmdrm	hyper	CHH	0.0194
Gm08	45984397	45985342	Gmdrm	hyper	CHH	0.028
Gm08	46026892	46027892	Gmdrm	hyper	CHH	0.0191
Gm08	46030935	46031661	Gmdrm	hyper	CHH	0.0173
Gm08	46090060	46091058	Gmdrm	hyper	CHH	0.013
Gm08	46111598	46112393	Gmdrm	hyper	CHH	0.0182
Gm08	46262704	46263675	Gmdrm	hyper	CHH	0.027
Gm08	46271636	46272626	Gmdrm	hyper	CHH	0.0159
Gm08	46284243	46284364	Gmdrm	hyper	CHH	0.0443

Gm08	46300035	46300488	Gmdrm	hyper	CHH	0.0187
Gm08	46335076	46336025	Gmdrm	hyper	CHH	0.0145
Gm08	46345012	46345413	Gmdrm	hyper	CHH	0.0652
Gm08	46373342	46374341	Gmdrm	hyper	CHH	0.0208
Gm08	46389613	46390566	Gmdrm	hyper	CHH	0.0138
Gm08	46481602	46481708	Gmdrm	hyper	CHH	0.0366
Gm08	46492126	46493114	Gmdrm	hyper	CHH	0.0216
Gm08	46535577	46536554	Gmdrm	hyper	CHH	0.0132
Gm08	46547957	46548933	Gmdrm	hyper	CHH	0.0156
Gm08	46594305	46594947	Gmdrm	hyper	CHH	0.0171
Gm08	46604710	46604936	Gmdrm	hyper	CHH	0.1
Gm08	46625564	46626342	Gmdrm	hyper	CHH	0.0322
Gm08	46636389	46637384	Gmdrm	hyper	CHH	0.016
Gm08	46647835	46648809	Gmdrm	hyper	CHH	0.0337
Gm08	46664684	46665671	Gmdrm	hyper	CHH	0.0184
Gm08	46668430	46669397	Gmdrm	hyper	CHH	0.0611
Gm08	46687983	46688981	Gmdrm	hyper	CHH	0.0109
Gm08	46734661	46734961	Gmdrm	hyper	CHH	0.0256
Gm08	46797242	46797904	Gmdrm	hyper	CHH	0.0433
Gm08	46798011	46798168	Gmdrm	hyper	CHH	0.0466
Gm08	46836989	46837073	Gmdrm	hyper	CHH	0.0834
Gm08	46838216	46838988	Gmdrm	hyper	CHH	0.0124
Gm08	46863974	46864131	Gmdrm	hyper	CHH	0.054
Gm08	46897791	46898788	Gmdrm	hyper	CHH	0.0352
Gm08	46953836	46954549	Gmdrm	hyper	CHH	0.0594
Gm08	46958022	46959017	Gmdrm	hyper	CHH	0.02
Gm08	46959026	46960013	Gmdrm	hyper	CHH	0.017
Gm08	46963158	46964150	Gmdrm	hyper	CHH	0.0208
Gm08	46972291	46973263	Gmdrm	hyper	CHH	0.0174
Gm08	46973292	46974291	Gmdrm	hyper	CHH	0.0286
Gm08	46998154	46998212	Gmdrm	hyper	CHH	0.052
Gm08	47005018	47005341	Gmdrm	hyper	CHH	0.0312
Gm08	47018535	47019509	Gmdrm	hyper	CHH	0.0212
Gm08	47106492	47106873	Gmdrm	hyper	CHH	0.0224
Gm08	47112312	47113302	Gmdrm	hyper	CHH	0.0236
Gm08	47225221	47226170	Gmdrm	hyper	CHH	0.0387
Gm09	4932	5139	Gmdrm	hyper	CHH	0.0833
Gm09	44715	45000	Gmdrm	hyper	CHH	0.0276
Gm09	47142	48114	Gmdrm	hyper	CHH	0.0245
Gm09	111181	111609	Gmdrm	hyper	CHH	0.03
Gm09	129827	130824	Gmdrm	hyper	CHH	0.0202
Gm09	131843	131894	Gmdrm	hyper	CHH	0.0387
Gm09	159810	160808	Gmdrm	hyper	CHH	0.0215
Gm09	241586	242080	Gmdrm	hyper	CHH	0.0345
Gm09	243324	244324	Gmdrm	hyper	CHH	0.0213
Gm09	267520	267729	Gmdrm	hyper	CHH	0.0309

Gm09	274273	275008	Gmdrm	hyper	CHH	0.0352
Gm09	277674	278558	Gmdrm	hyper	CHH	0.0153
Gm09	348379	349355	Gmdrm	hyper	CHH	0.0113
Gm09	376991	377297	Gmdrm	hyper	CHH	0.0318
Gm09	447747	448291	Gmdrm	hyper	CHH	0.03
Gm09	452738	453133	Gmdrm	hyper	CHH	0.0304
Gm09	496921	497503	Gmdrm	hyper	CHH	0.0221
Gm09	501647	502219	Gmdrm	hyper	CHH	0.0246
Gm09	523812	524805	Gmdrm	hyper	CHH	0.0264
Gm09	558608	559091	Gmdrm	hyper	CHH	0.0352
Gm09	559798	560761	Gmdrm	hyper	CHH	0.0537
Gm09	690729	691091	Gmdrm	hyper	CHH	0.0296
Gm09	700332	701287	Gmdrm	hyper	CHH	0.0159
Gm09	720701	721663	Gmdrm	hyper	CHH	0.0129
Gm09	749372	749546	Gmdrm	hyper	CHH	0.0786
Gm09	809733	810704	Gmdrm	hyper	CHH	0.0258
Gm09	848403	849370	Gmdrm	hyper	CHH	0.0179
Gm09	887890	888787	Gmdrm	hyper	CHH	0.0332
Gm09	896982	897556	Gmdrm	hyper	CHH	0.0182
Gm09	924120	925069	Gmdrm	hyper	CHH	0.04
Gm09	929067	930054	Gmdrm	hyper	CHH	0.0123
Gm09	979652	980640	Gmdrm	hyper	CHH	0.0184
Gm09	1065161	1066155	Gmdrm	hyper	CHH	0.029
Gm09	1069149	1069700	Gmdrm	hyper	CHH	0.0242
Gm09	1106820	1107818	Gmdrm	hyper	CHH	0.0195
Gm09	1160542	1161524	Gmdrm	hyper	CHH	0.0143
Gm09	1164617	1164893	Gmdrm	hyper	CHH	0.0175
Gm09	1206533	1207526	Gmdrm	hyper	CHH	0.0206
Gm09	1221750	1222085	Gmdrm	hyper	CHH	0.0266
Gm09	1229366	1230108	Gmdrm	hyper	CHH	0.0465
Gm09	1285186	1286158	Gmdrm	hyper	CHH	0.0138
Gm09	1315411	1316409	Gmdrm	hyper	CHH	0.0168
Gm09	1322542	1323109	Gmdrm	hyper	CHH	0.0167
Gm09	1384340	1385317	Gmdrm	hyper	CHH	0.0148
Gm09	1458008	1459003	Gmdrm	hyper	CHH	0.0217
Gm09	1470788	1470990	Gmdrm	hyper	CHH	0.2
Gm09	1531277	1532264	Gmdrm	hyper	CHH	0.0255
Gm09	1546621	1547614	Gmdrm	hyper	CHH	0.0154
Gm09	1704524	1705300	Gmdrm	hyper	CHH	0.0222
Gm09	1772808	1773807	Gmdrm	hyper	CHH	0.0258
Gm09	1789729	1790721	Gmdrm	hyper	CHH	0.0238
Gm09	1817510	1818475	Gmdrm	hyper	CHH	0.0089
Gm09	1842336	1842406	Gmdrm	hyper	CHH	0.0386
Gm09	1868333	1869301	Gmdrm	hyper	CHH	0.054
Gm09	1932766	1933707	Gmdrm	hyper	CHH	0.0251
Gm09	2052415	2053208	Gmdrm	hyper	CHH	0.013

Gm09	2057505	2057552	Gmdrm	hyper	CHH	0.0357
Gm09	2073287	2073614	Gmdrm	hyper	CHH	0.03
Gm09	2098176	2099166	Gmdrm	hyper	CHH	0.0215
Gm09	2114420	2115416	Gmdrm	hyper	CHH	0.0217
Gm09	2118869	2119865	Gmdrm	hyper	CHH	0.0156
Gm09	2125655	2126650	Gmdrm	hyper	CHH	0.0398
Gm09	2171860	2172859	Gmdrm	hyper	CHH	0.0131
Gm09	2179794	2180785	Gmdrm	hyper	CHH	0.0187
Gm09	2181815	2182512	Gmdrm	hyper	CHH	0.04
Gm09	2220200	2221169	Gmdrm	hyper	CHH	0.014
Gm09	2230692	2231691	Gmdrm	hyper	CHH	0.035
Gm09	2241992	2242841	Gmdrm	hyper	CHH	0.0073
Gm09	2299230	2300098	Gmdrm	hyper	CHH	0.0286
Gm09	2314778	2315774	Gmdrm	hyper	CHH	0.0267
Gm09	2377621	2378621	Gmdrm	hyper	CHH	0.0186
Gm09	2459590	2460009	Gmdrm	hyper	CHH	0.019
Gm09	2506958	2507945	Gmdrm	hyper	CHH	0.0152
Gm09	2519466	2520465	Gmdrm	hyper	CHH	0.0724
Gm09	2539373	2540373	Gmdrm	hyper	CHH	0.0177
Gm09	2544400	2545393	Gmdrm	hyper	CHH	0.0254
Gm09	2584348	2585348	Gmdrm	hyper	CHH	0.0254
Gm09	2634133	2634762	Gmdrm	hyper	CHH	0.0236
Gm09	2728648	2729315	Gmdrm	hyper	CHH	0.0247
Gm09	2788551	2789533	Gmdrm	hyper	CHH	0.0341
Gm09	2887944	2888535	Gmdrm	hyper	CHH	0.0241
Gm09	2903658	2904305	Gmdrm	hyper	CHH	0.0278
Gm09	2919927	2920322	Gmdrm	hyper	CHH	0.0275
Gm09	2975331	2976140	Gmdrm	hyper	CHH	0.0175
Gm09	3008217	3008649	Gmdrm	hyper	CHH	0.0387
Gm09	3036764	3037733	Gmdrm	hyper	CHH	0.0113
Gm09	3109109	3110030	Gmdrm	hyper	CHH	0.0365
Gm09	3126920	3127667	Gmdrm	hyper	CHH	0.0146
Gm09	3128564	3129564	Gmdrm	hyper	CHH	0.0293
Gm09	3176140	3177138	Gmdrm	hyper	CHH	0.031
Gm09	3182559	3183556	Gmdrm	hyper	CHH	0.0208
Gm09	3215245	3216242	Gmdrm	hyper	CHH	0.0126
Gm09	3224081	3224753	Gmdrm	hyper	CHH	0.0193
Gm09	3229922	3230913	Gmdrm	hyper	CHH	0.0147
Gm09	3230956	3231941	Gmdrm	hyper	CHH	0.0185
Gm09	3363731	3364238	Gmdrm	hyper	CHH	0.0544
Gm09	3450923	3451120	Gmdrm	hyper	CHH	0.0667
Gm09	3461097	3462090	Gmdrm	hyper	CHH	0.0133
Gm09	3533096	3534074	Gmdrm	hyper	CHH	0.0156
Gm09	3646803	3647801	Gmdrm	hyper	CHH	0.0293
Gm09	3650027	3650583	Gmdrm	hyper	CHH	0.0286
Gm09	3797712	3798677	Gmdrm	hyper	CHH	0.0263

Gm09	3830272	3831269	Gmdrm	hyper	CHH	0.0151
Gm09	3952859	3953847	Gmdrm	hyper	CHH	0.0136
Gm09	4006509	4007485	Gmdrm	hyper	CHH	0.039
Gm09	4034300	4035297	Gmdrm	hyper	CHH	0.066
Gm09	4035302	4036300	Gmdrm	hyper	CHH	0.058
Gm09	4037309	4038309	Gmdrm	hyper	CHH	0.0511
Gm09	4061230	4062183	Gmdrm	hyper	CHH	0.0161
Gm09	4092502	4093465	Gmdrm	hyper	CHH	0.02
Gm09	4129102	4130069	Gmdrm	hyper	CHH	0.021
Gm09	4140124	4141120	Gmdrm	hyper	CHH	0.0124
Gm09	4165902	4166902	Gmdrm	hyper	CHH	0.0239
Gm09	4181103	4181228	Gmdrm	hyper	CHH	0.0425
Gm09	4186802	4187793	Gmdrm	hyper	CHH	0.0247
Gm09	4219352	4220337	Gmdrm	hyper	CHH	0.0158
Gm09	4229758	4230493	Gmdrm	hyper	CHH	0.0431
Gm09	4248913	4249557	Gmdrm	hyper	CHH	0.0221
Gm09	4276904	4277898	Gmdrm	hyper	CHH	0.029
Gm09	4318458	4319456	Gmdrm	hyper	CHH	0.0158
Gm09	4348941	4349905	Gmdrm	hyper	CHH	0.0163
Gm09	4460564	4461560	Gmdrm	hyper	CHH	0.0188
Gm09	4467437	4468294	Gmdrm	hyper	CHH	0.0324
Gm09	4512533	4512961	Gmdrm	hyper	CHH	0.0348
Gm09	4514677	4515658	Gmdrm	hyper	CHH	0.0143
Gm09	4581111	4581703	Gmdrm	hyper	CHH	0.0391
Gm09	4581885	4582863	Gmdrm	hyper	CHH	0.0115
Gm09	4642911	4643883	Gmdrm	hyper	CHH	0.0098
Gm09	4669264	4670264	Gmdrm	hyper	CHH	0.0148
Gm09	4883135	4884115	Gmdrm	hyper	CHH	0.0128
Gm09	4897914	4898189	Gmdrm	hyper	CHH	0.021
Gm09	4915171	4915954	Gmdrm	hyper	CHH	0.0216
Gm09	5046900	5046934	Gmdrm	hyper	CHH	0.056
Gm09	5081546	5082519	Gmdrm	hyper	CHH	0.0282
Gm09	5082556	5083547	Gmdrm	hyper	CHH	0.0221
Gm09	5093753	5094006	Gmdrm	hyper	CHH	0.095
Gm09	5241890	5242874	Gmdrm	hyper	CHH	0.0373
Gm09	5363154	5363427	Gmdrm	hyper	CHH	0.0242
Gm09	5523739	5524295	Gmdrm	hyper	CHH	0.0223
Gm09	5524457	5524549	Gmdrm	hyper	CHH	0.045
Gm09	5557078	5558077	Gmdrm	hyper	CHH	0.0237
Gm09	5595590	5596590	Gmdrm	hyper	CHH	0.0156
Gm09	5649465	5650454	Gmdrm	hyper	CHH	0.0317
Gm09	5650478	5651303	Gmdrm	hyper	CHH	0.0147
Gm09	5679588	5680587	Gmdrm	hyper	CHH	0.0123
Gm09	5732324	5733318	Gmdrm	hyper	CHH	0.0307
Gm09	5761577	5762570	Gmdrm	hyper	CHH	0.0245
Gm09	5829436	5829817	Gmdrm	hyper	CHH	0.0343

Gm09	5863584	5863770	Gmdrm	hyper	CHH	0.0344
Gm09	5891190	5892189	Gmdrm	hyper	CHH	0.0603
Gm09	5908014	5909005	Gmdrm	hyper	CHH	0.0207
Gm09	5978992	5979989	Gmdrm	hyper	CHH	0.0249
Gm09	6009259	6010255	Gmdrm	hyper	CHH	0.0238
Gm09	6012790	6013335	Gmdrm	hyper	CHH	0.0244
Gm09	6034138	6034891	Gmdrm	hyper	CHH	0.0198
Gm09	6127027	6128008	Gmdrm	hyper	CHH	0.0164
Gm09	6176588	6177576	Gmdrm	hyper	CHH	0.0139
Gm09	6215976	6216970	Gmdrm	hyper	CHH	0.0214
Gm09	6240715	6241695	Gmdrm	hyper	CHH	0.0158
Gm09	6315574	6316561	Gmdrm	hyper	CHH	0.0167
Gm09	6332334	6333304	Gmdrm	hyper	CHH	0.0283
Gm09	6343850	6344024	Gmdrm	hyper	CHH	0.0867
Gm09	6351287	6351743	Gmdrm	hyper	CHH	0.0297
Gm09	6469564	6470558	Gmdrm	hyper	CHH	0.0551
Gm09	6470570	6471363	Gmdrm	hyper	CHH	0.0225
Gm09	6471561	6472558	Gmdrm	hyper	CHH	0.0276
Gm09	6575367	6575866	Gmdrm	hyper	CHH	0.0137
Gm09	6581204	6582171	Gmdrm	hyper	CHH	0.0228
Gm09	6671569	6672569	Gmdrm	hyper	CHH	0.0203
Gm09	6689083	6690079	Gmdrm	hyper	CHH	0.0494
Gm09	6698262	6699251	Gmdrm	hyper	CHH	0.0091
Gm09	6726399	6727392	Gmdrm	hyper	CHH	0.0537
Gm09	6779705	6780700	Gmdrm	hyper	CHH	0.0168
Gm09	6879932	6880580	Gmdrm	hyper	CHH	0.0274
Gm09	6922104	6923095	Gmdrm	hyper	CHH	0.014
Gm09	6939129	6940118	Gmdrm	hyper	CHH	0.029
Gm09	7077349	7078339	Gmdrm	hyper	CHH	0.016
Gm09	7158798	7159794	Gmdrm	hyper	CHH	0.0218
Gm09	7234782	7234879	Gmdrm	hyper	CHH	0.246
Gm09	7260931	7261799	Gmdrm	hyper	CHH	0.0136
Gm09	7436301	7436639	Gmdrm	hyper	CHH	0.0453
Gm09	7821735	7822721	Gmdrm	hyper	CHH	0.0191
Gm09	7827038	7827990	Gmdrm	hyper	CHH	0.0148
Gm09	7832078	7833076	Gmdrm	hyper	CHH	0.0649
Gm09	7946410	7946651	Gmdrm	hyper	CHH	0.08
Gm09	7997937	7998915	Gmdrm	hyper	CHH	0.0138
Gm09	8051881	8052877	Gmdrm	hyper	CHH	0.0492
Gm09	8055669	8056668	Gmdrm	hyper	CHH	0.0187
Gm09	8093113	8093921	Gmdrm	hyper	CHH	0.0339
Gm09	8220679	8221616	Gmdrm	hyper	CHH	0.018
Gm09	8328960	8329435	Gmdrm	hyper	CHH	0.0405
Gm09	8434996	8435447	Gmdrm	hyper	CHH	0.0297
Gm09	8478211	8478326	Gmdrm	hyper	CHH	0.0562
Gm09	8479817	8480808	Gmdrm	hyper	CHH	0.0425

Gm09	9123446	9124431	Gmdrm	hyper	CHH	0.0317
Gm09	9206520	9207495	Gmdrm	hyper	CHH	0.0183
Gm09	9328704	9329690	Gmdrm	hyper	CHH	0.0402
Gm09	9350290	9351290	Gmdrm	hyper	CHH	0.0596
Gm09	9351295	9352286	Gmdrm	hyper	CHH	0.0477
Gm09	9364378	9365376	Gmdrm	hyper	CHH	0.0384
Gm09	9375480	9376468	Gmdrm	hyper	CHH	0.0351
Gm09	9456128	9456181	Gmdrm	hyper	CHH	0.128
Gm09	9601630	9601908	Gmdrm	hyper	CHH	0.035
Gm09	9725556	9726176	Gmdrm	hyper	CHH	0.0366
Gm09	9801528	9802524	Gmdrm	hyper	CHH	0.0504
Gm09	9897541	9898505	Gmdrm	hyper	CHH	0.0166
Gm09	9945320	9946309	Gmdrm	hyper	CHH	0.0248
Gm09	9967659	9968658	Gmdrm	hyper	CHH	0.0179
Gm09	9999553	10000088	Gmdrm	hyper	CHH	0.0162
Gm09	10057247	10057552	Gmdrm	hyper	CHH	0.0425
Gm09	10202784	10203760	Gmdrm	hyper	CHH	0.0107
Gm09	10211607	10212597	Gmdrm	hyper	CHH	0.0408
Gm09	10302663	10303628	Gmdrm	hyper	CHH	0.0364
Gm09	10455552	10456537	Gmdrm	hyper	CHH	0.0136
Gm09	10526150	10527135	Gmdrm	hyper	CHH	0.0163
Gm09	10635067	10636065	Gmdrm	hyper	CHH	0.0515
Gm09	10686304	10687296	Gmdrm	hyper	CHH	0.0411
Gm09	10794348	10795340	Gmdrm	hyper	CHH	0.0433
Gm09	11099353	11100345	Gmdrm	hyper	CHH	0.0104
Gm09	11239929	11240928	Gmdrm	hyper	CHH	0.0412
Gm09	11297940	11298356	Gmdrm	hyper	CHH	0.0205
Gm09	11350610	11351602	Gmdrm	hyper	CHH	0.0711
Gm09	11412231	11413215	Gmdrm	hyper	CHH	0.0261
Gm09	11431372	11432328	Gmdrm	hyper	CHH	0.0192
Gm09	11459036	11459709	Gmdrm	hyper	CHH	0.0338
Gm09	11464567	11465329	Gmdrm	hyper	CHH	0.0238
Gm09	11618510	11618845	Gmdrm	hyper	CHH	0.0673
Gm09	11658389	11658893	Gmdrm	hyper	CHH	0.0504
Gm09	11799007	11800000	Gmdrm	hyper	CHH	0.0533
Gm09	11884190	11884810	Gmdrm	hyper	CHH	0.0173
Gm09	11902074	11903067	Gmdrm	hyper	CHH	0.0266
Gm09	11904106	11904825	Gmdrm	hyper	CHH	0.0618
Gm09	12056704	12057702	Gmdrm	hyper	CHH	0.0226
Gm09	12062599	12063569	Gmdrm	hyper	CHH	0.0192
Gm09	12310337	12311337	Gmdrm	hyper	CHH	0.0393
Gm09	12392400	12393400	Gmdrm	hyper	CHH	0.0502
Gm09	12429612	12430570	Gmdrm	hyper	CHH	0.0182
Gm09	12484334	12485314	Gmdrm	hyper	CHH	0.0207
Gm09	12628378	12629121	Gmdrm	hyper	CHH	0.0169
Gm09	12957549	12958529	Gmdrm	hyper	CHH	0.0384

Gm09	12973098	12973728	Gmdrm	hyper	CHH	0.0185
Gm09	12998864	12999796	Gmdrm	hyper	CHH	0.1061
Gm09	13011785	13012721	Gmdrm	hyper	CHH	0.0281
Gm09	13081911	13082910	Gmdrm	hyper	CHH	0.055
Gm09	13104921	13105921	Gmdrm	hyper	CHH	0.0308
Gm09	13145843	13146834	Gmdrm	hyper	CHH	0.0157
Gm09	13205972	13206965	Gmdrm	hyper	CHH	0.0226
Gm09	13530399	13531398	Gmdrm	hyper	CHH	0.0428
Gm09	13671714	13672223	Gmdrm	hyper	CHH	0.0223
Gm09	13705726	13706725	Gmdrm	hyper	CHH	0.0759
Gm09	13731737	13732704	Gmdrm	hyper	CHH	0.0155
Gm09	13816053	13817050	Gmdrm	hyper	CHH	0.0637
Gm09	13886167	13887164	Gmdrm	hyper	CHH	0.0421
Gm09	13904188	13905187	Gmdrm	hyper	CHH	0.0427
Gm09	13947462	13948031	Gmdrm	hyper	CHH	0.0382
Gm09	14534851	14535614	Gmdrm	hyper	CHH	0.0242
Gm09	14695241	14696003	Gmdrm	hyper	CHH	0.106
Gm09	14702600	14702722	Gmdrm	hyper	CHH	0.1865
Gm09	14720200	14720336	Gmdrm	hyper	CHH	0.18
Gm09	14940769	14940828	Gmdrm	hyper	CHH	0.238
Gm09	14971924	14972186	Gmdrm	hyper	CHH	0.1908
Gm09	15127362	15128011	Gmdrm	hyper	CHH	0.0916
Gm09	15205844	15206089	Gmdrm	hyper	CHH	0.238
Gm09	15246412	15247403	Gmdrm	hyper	CHH	0.0402
Gm09	15257041	15257460	Gmdrm	hyper	CHH	0.1328
Gm09	15279205	15279315	Gmdrm	hyper	CHH	0.1912
Gm09	15478092	15478579	Gmdrm	hyper	CHH	0.1047
Gm09	15642328	15643307	Gmdrm	hyper	CHH	0.0484
Gm09	15662896	15663408	Gmdrm	hyper	CHH	0.0961
Gm09	15749234	15750228	Gmdrm	hyper	CHH	0.058
Gm09	15911908	15912696	Gmdrm	hyper	CHH	0.0586
Gm09	15941483	15941664	Gmdrm	hyper	CHH	0.0667
Gm09	16160024	16160611	Gmdrm	hyper	CHH	0.1022
Gm09	16193725	16194493	Gmdrm	hyper	CHH	0.0566
Gm09	16408935	16409029	Gmdrm	hyper	CHH	0.1934
Gm09	16479646	16479708	Gmdrm	hyper	CHH	0.1991
Gm09	16549811	16550410	Gmdrm	hyper	CHH	0.0958
Gm09	16562734	16563555	Gmdrm	hyper	CHH	0.1079
Gm09	16688373	16689359	Gmdrm	hyper	CHH	0.0285
Gm09	17148990	17149988	Gmdrm	hyper	CHH	0.0645
Gm09	17255333	17256324	Gmdrm	hyper	CHH	0.0563
Gm09	17396493	17396592	Gmdrm	hyper	CHH	0.254
Gm09	17435340	17435940	Gmdrm	hyper	CHH	0.0658
Gm09	17981228	17981583	Gmdrm	hyper	CHH	0.0291
Gm09	18044347	18045332	Gmdrm	hyper	CHH	0.046
Gm09	18126174	18127172	Gmdrm	hyper	CHH	0.0118

Gm09	18180173	18180819	Gmdrm	hyper	CHH	0.0184
Gm09	18278971	18279141	Gmdrm	hyper	CHH	0.1007
Gm09	18420912	18421868	Gmdrm	hyper	CHH	0.0561
Gm09	18428982	18429183	Gmdrm	hyper	CHH	0.0364
Gm09	18476324	18477323	Gmdrm	hyper	CHH	0.0689
Gm09	18712117	18712711	Gmdrm	hyper	CHH	0.0353
Gm09	18850250	18851114	Gmdrm	hyper	CHH	0.0347
Gm09	18856757	18857689	Gmdrm	hyper	CHH	0.0172
Gm09	18858180	18859175	Gmdrm	hyper	CHH	0.0132
Gm09	18859274	18860264	Gmdrm	hyper	CHH	0.0316
Gm09	18914091	18914395	Gmdrm	hyper	CHH	0.0594
Gm09	19024185	19024597	Gmdrm	hyper	CHH	0.0337
Gm09	19116037	19117037	Gmdrm	hyper	CHH	0.0469
Gm09	19233986	19234915	Gmdrm	hyper	CHH	0.0215
Gm09	19312337	19313311	Gmdrm	hyper	CHH	0.0455
Gm09	19474074	19475070	Gmdrm	hyper	CHH	0.0576
Gm09	19475079	19476076	Gmdrm	hyper	CHH	0.0742
Gm09	19626962	19627793	Gmdrm	hyper	CHH	0.0232
Gm09	19677623	19678594	Gmdrm	hyper	CHH	0.0261
Gm09	19916633	19917035	Gmdrm	hyper	CHH	0.0291
Gm09	20066354	20067341	Gmdrm	hyper	CHH	0.0515
Gm09	20149968	20150962	Gmdrm	hyper	CHH	0.0727
Gm09	20266274	20266699	Gmdrm	hyper	CHH	0.03
Gm09	20418276	20419273	Gmdrm	hyper	CHH	0.0325
Gm09	20458959	20459958	Gmdrm	hyper	CHH	0.0563
Gm09	20606306	20607275	Gmdrm	hyper	CHH	0.0204
Gm09	20615580	20616176	Gmdrm	hyper	CHH	0.0177
Gm09	20647428	20648428	Gmdrm	hyper	CHH	0.0133
Gm09	20725564	20726274	Gmdrm	hyper	CHH	0.0222
Gm09	20809968	20810953	Gmdrm	hyper	CHH	0.0276
Gm09	20828917	20829917	Gmdrm	hyper	CHH	0.016
Gm09	20848248	20849218	Gmdrm	hyper	CHH	0.0097
Gm09	20938555	20939525	Gmdrm	hyper	CHH	0.0205
Gm09	20991957	20992955	Gmdrm	hyper	CHH	0.0352
Gm09	21003266	21004266	Gmdrm	hyper	CHH	0.0547
Gm09	21004283	21005267	Gmdrm	hyper	CHH	0.0286
Gm09	21139098	21140090	Gmdrm	hyper	CHH	0.0258
Gm09	21164131	21165103	Gmdrm	hyper	CHH	0.0188
Gm09	21254600	21255589	Gmdrm	hyper	CHH	0.0125
Gm09	21384445	21385418	Gmdrm	hyper	CHH	0.0155
Gm09	21574589	21575588	Gmdrm	hyper	CHH	0.0703
Gm09	21643031	21643465	Gmdrm	hyper	CHH	0.1226
Gm09	21839495	21840493	Gmdrm	hyper	CHH	0.0595
Gm09	22081663	22082652	Gmdrm	hyper	CHH	0.0529
Gm09	22126695	22127023	Gmdrm	hyper	CHH	0.1367
Gm09	22204666	22205666	Gmdrm	hyper	CHH	0.017

Gm09	22322626	22323617	Gmdrm	hyper	CHH	0.0753
Gm09	22538656	22539654	Gmdrm	hyper	CHH	0.0177
Gm09	22556660	22557657	Gmdrm	hyper	CHH	0.0448
Gm09	22661687	22662613	Gmdrm	hyper	CHH	0.0196
Gm09	22818584	22818687	Gmdrm	hyper	CHH	0.1228
Gm09	22877263	22877306	Gmdrm	hyper	CHH	0.33
Gm09	22933528	22933786	Gmdrm	hyper	CHH	0.1569
Gm09	23032031	23032547	Gmdrm	hyper	CHH	0.0836
Gm09	23179008	23179788	Gmdrm	hyper	CHH	0.1076
Gm09	23255786	23255911	Gmdrm	hyper	CHH	0.1555
Gm09	23261793	23262786	Gmdrm	hyper	CHH	0.0556
Gm09	23263817	23264811	Gmdrm	hyper	CHH	0.0422
Gm09	23265197	23266182	Gmdrm	hyper	CHH	0.0541
Gm09	23273936	23274936	Gmdrm	hyper	CHH	0.0896
Gm09	23274939	23275938	Gmdrm	hyper	CHH	0.04
Gm09	23275940	23276899	Gmdrm	hyper	CHH	0.0495
Gm09	23280775	23281772	Gmdrm	hyper	CHH	0.0626
Gm09	23293372	23294369	Gmdrm	hyper	CHH	0.0534
Gm09	23295389	23296389	Gmdrm	hyper	CHH	0.0677
Gm09	23296392	23297391	Gmdrm	hyper	CHH	0.1025
Gm09	23297395	23298363	Gmdrm	hyper	CHH	0.1029
Gm09	23298403	23299378	Gmdrm	hyper	CHH	0.0967
Gm09	23299405	23300111	Gmdrm	hyper	CHH	0.1334
Gm09	23304531	23305529	Gmdrm	hyper	CHH	0.0563
Gm09	23305537	23306536	Gmdrm	hyper	CHH	0.1035
Gm09	23307372	23308369	Gmdrm	hyper	CHH	0.0645
Gm09	23308374	23309365	Gmdrm	hyper	CHH	0.0453
Gm09	23309386	23310382	Gmdrm	hyper	CHH	0.0746
Gm09	23310389	23311386	Gmdrm	hyper	CHH	0.1107
Gm09	23311391	23312389	Gmdrm	hyper	CHH	0.1226
Gm09	23312392	23312669	Gmdrm	hyper	CHH	0.0862
Gm09	23312779	23313775	Gmdrm	hyper	CHH	0.0851
Gm09	23313780	23314773	Gmdrm	hyper	CHH	0.0651
Gm09	23314791	23315781	Gmdrm	hyper	CHH	0.0503
Gm09	23315804	23316795	Gmdrm	hyper	CHH	0.0665
Gm09	23316806	23317806	Gmdrm	hyper	CHH	0.0883
Gm09	23317809	23318809	Gmdrm	hyper	CHH	0.1015
Gm09	23318812	23319812	Gmdrm	hyper	CHH	0.0901
Gm09	23319824	23320598	Gmdrm	hyper	CHH	0.0965
Gm09	23320731	23321600	Gmdrm	hyper	CHH	0.0639
Gm09	23322542	23323400	Gmdrm	hyper	CHH	0.0732
Gm09	23323534	23323997	Gmdrm	hyper	CHH	0.0694
Gm09	23325652	23326171	Gmdrm	hyper	CHH	0.1062
Gm09	23326305	23326593	Gmdrm	hyper	CHH	0.138
Gm09	23326965	23327878	Gmdrm	hyper	CHH	0.0614
Gm09	23329322	23330275	Gmdrm	hyper	CHH	0.0529

Gm09	23330545	23330624	Gmdrm	hyper	CHH	0.1815
Gm09	23330746	23331730	Gmdrm	hyper	CHH	0.1147
Gm09	23331756	23332724	Gmdrm	hyper	CHH	0.0815
Gm09	23332774	23333740	Gmdrm	hyper	CHH	0.0685
Gm09	23334748	23335213	Gmdrm	hyper	CHH	0.0939
Gm09	23336566	23337510	Gmdrm	hyper	CHH	0.0765
Gm09	23337573	23338094	Gmdrm	hyper	CHH	0.1942
Gm09	23338258	23339252	Gmdrm	hyper	CHH	0.0642
Gm09	23339259	23339965	Gmdrm	hyper	CHH	0.1492
Gm09	23343736	23344215	Gmdrm	hyper	CHH	0.0777
Gm09	23345338	23346336	Gmdrm	hyper	CHH	0.0718
Gm09	23346343	23347340	Gmdrm	hyper	CHH	0.0682
Gm09	23347344	23348339	Gmdrm	hyper	CHH	0.135
Gm09	23348345	23349341	Gmdrm	hyper	CHH	0.1055
Gm09	23350280	23351279	Gmdrm	hyper	CHH	0.0592
Gm09	23351300	23352293	Gmdrm	hyper	CHH	0.0564
Gm09	23352302	23353295	Gmdrm	hyper	CHH	0.1059
Gm09	23353328	23354328	Gmdrm	hyper	CHH	0.0982
Gm09	23354330	23355318	Gmdrm	hyper	CHH	0.0794
Gm09	23355344	23356339	Gmdrm	hyper	CHH	0.0798
Gm09	23356346	23356605	Gmdrm	hyper	CHH	0.1162
Gm09	23356873	23357845	Gmdrm	hyper	CHH	0.137
Gm09	23358148	23359147	Gmdrm	hyper	CHH	0.0516
Gm09	23359156	23359756	Gmdrm	hyper	CHH	0.1414
Gm09	23360424	23361417	Gmdrm	hyper	CHH	0.0751
Gm09	23361432	23362432	Gmdrm	hyper	CHH	0.0952
Gm09	23362435	23363423	Gmdrm	hyper	CHH	0.0844
Gm09	23363484	23363909	Gmdrm	hyper	CHH	0.089
Gm09	23364288	23365223	Gmdrm	hyper	CHH	0.0869
Gm09	23365304	23366283	Gmdrm	hyper	CHH	0.2094
Gm09	23366308	23367306	Gmdrm	hyper	CHH	0.1722
Gm09	23367318	23368317	Gmdrm	hyper	CHH	0.1352
Gm09	23368343	23369332	Gmdrm	hyper	CHH	0.1604
Gm09	23369345	23370341	Gmdrm	hyper	CHH	0.1215
Gm09	23370365	23371359	Gmdrm	hyper	CHH	0.1056
Gm09	23371372	23372357	Gmdrm	hyper	CHH	0.1471
Gm09	23372373	23373369	Gmdrm	hyper	CHH	0.1067
Gm09	23373378	23374378	Gmdrm	hyper	CHH	0.2009
Gm09	23374379	23374827	Gmdrm	hyper	CHH	0.1272
Gm09	23374988	23375985	Gmdrm	hyper	CHH	0.1478
Gm09	23375989	23376975	Gmdrm	hyper	CHH	0.1204
Gm09	23377003	23378003	Gmdrm	hyper	CHH	0.1557
Gm09	23378006	23378459	Gmdrm	hyper	CHH	0.1559
Gm09	23380027	23381019	Gmdrm	hyper	CHH	0.0581
Gm09	23381029	23382028	Gmdrm	hyper	CHH	0.0627
Gm09	23389384	23389777	Gmdrm	hyper	CHH	0.1998

Gm09	23390229	23391117	Gmdrm	hyper	CHH	0.0707
Gm09	23392214	23393214	Gmdrm	hyper	CHH	0.0868
Gm09	23393501	23394501	Gmdrm	hyper	CHH	0.062
Gm09	23395882	23396882	Gmdrm	hyper	CHH	0.0554
Gm09	23397078	23397176	Gmdrm	hyper	CHH	0.1822
Gm09	23397315	23398310	Gmdrm	hyper	CHH	0.147
Gm09	23400684	23401428	Gmdrm	hyper	CHH	0.0781
Gm09	23404075	23405074	Gmdrm	hyper	CHH	0.098
Gm09	23406871	23407734	Gmdrm	hyper	CHH	0.088
Gm09	23409158	23410157	Gmdrm	hyper	CHH	0.1036
Gm09	23410167	23411163	Gmdrm	hyper	CHH	0.072
Gm09	23412132	23413089	Gmdrm	hyper	CHH	0.0681
Gm09	23413139	23414095	Gmdrm	hyper	CHH	0.0437
Gm09	23414605	23415599	Gmdrm	hyper	CHH	0.0497
Gm09	23415607	23416606	Gmdrm	hyper	CHH	0.063
Gm09	23416609	23417605	Gmdrm	hyper	CHH	0.1073
Gm09	23418631	23419625	Gmdrm	hyper	CHH	0.0624
Gm09	23419640	23420635	Gmdrm	hyper	CHH	0.0554
Gm09	23420650	23421645	Gmdrm	hyper	CHH	0.0325
Gm09	23433946	23434907	Gmdrm	hyper	CHH	0.0483
Gm09	23434956	23435895	Gmdrm	hyper	CHH	0.0535
Gm09	23435976	23436975	Gmdrm	hyper	CHH	0.1108
Gm09	23437488	23438487	Gmdrm	hyper	CHH	0.0819
Gm09	23438498	23439473	Gmdrm	hyper	CHH	0.1776
Gm09	23439501	23440493	Gmdrm	hyper	CHH	0.1391
Gm09	23442537	23443528	Gmdrm	hyper	CHH	0.095
Gm09	23443566	23444558	Gmdrm	hyper	CHH	0.0789
Gm09	23444907	23445903	Gmdrm	hyper	CHH	0.0832
Gm09	23445918	23446902	Gmdrm	hyper	CHH	0.061
Gm09	23449484	23450473	Gmdrm	hyper	CHH	0.0487
Gm09	23450486	23451481	Gmdrm	hyper	CHH	0.0262
Gm09	23454834	23455793	Gmdrm	hyper	CHH	0.0265
Gm09	23455837	23456829	Gmdrm	hyper	CHH	0.0492
Gm09	23458880	23459872	Gmdrm	hyper	CHH	0.0576
Gm09	23459881	23460875	Gmdrm	hyper	CHH	0.0489
Gm09	23460906	23461888	Gmdrm	hyper	CHH	0.132
Gm09	23461918	23462728	Gmdrm	hyper	CHH	0.1222
Gm09	23462845	23463837	Gmdrm	hyper	CHH	0.0429
Gm09	23464236	23465072	Gmdrm	hyper	CHH	0.0807
Gm09	23465455	23466449	Gmdrm	hyper	CHH	0.0731
Gm09	23469632	23469725	Gmdrm	hyper	CHH	0.38
Gm09	23469861	23470388	Gmdrm	hyper	CHH	0.0931
Gm09	23472188	23472713	Gmdrm	hyper	CHH	0.1047
Gm09	23475733	23475999	Gmdrm	hyper	CHH	0.114
Gm09	23476110	23476465	Gmdrm	hyper	CHH	0.141
Gm09	23479296	23480176	Gmdrm	hyper	CHH	0.0906

Gm09	23491379	23491501	Gmdrm	hyper	CHH	0.1477
Gm09	23492603	23493117	Gmdrm	hyper	CHH	0.0713
Gm09	23493221	23493386	Gmdrm	hyper	CHH	0.102
Gm09	23494175	23494540	Gmdrm	hyper	CHH	0.083
Gm09	23495926	23496504	Gmdrm	hyper	CHH	0.1254
Gm09	23496720	23497463	Gmdrm	hyper	CHH	0.12
Gm09	23497606	23498040	Gmdrm	hyper	CHH	0.1561
Gm09	23499130	23500114	Gmdrm	hyper	CHH	0.0697
Gm09	23500157	23500502	Gmdrm	hyper	CHH	0.1232
Gm09	23501904	23502894	Gmdrm	hyper	CHH	0.0998
Gm09	23502938	23503387	Gmdrm	hyper	CHH	0.1267
Gm09	23504489	23505481	Gmdrm	hyper	CHH	0.1509
Gm09	23505513	23506506	Gmdrm	hyper	CHH	0.0877
Gm09	23507204	23508194	Gmdrm	hyper	CHH	0.1618
Gm09	23508230	23508874	Gmdrm	hyper	CHH	0.1434
Gm09	23510957	23511484	Gmdrm	hyper	CHH	0.1434
Gm09	23511677	23512157	Gmdrm	hyper	CHH	0.1757
Gm09	23512357	23513347	Gmdrm	hyper	CHH	0.1558
Gm09	23513363	23514355	Gmdrm	hyper	CHH	0.099
Gm09	23514392	23515388	Gmdrm	hyper	CHH	0.0748
Gm09	23515395	23516391	Gmdrm	hyper	CHH	0.0947
Gm09	23516399	23517397	Gmdrm	hyper	CHH	0.0602
Gm09	23517416	23518408	Gmdrm	hyper	CHH	0.0828
Gm09	23518429	23519429	Gmdrm	hyper	CHH	0.0644
Gm09	23519430	23520428	Gmdrm	hyper	CHH	0.0567
Gm09	23520441	23521425	Gmdrm	hyper	CHH	0.0991
Gm09	23521457	23522456	Gmdrm	hyper	CHH	0.0823
Gm09	23522462	23523019	Gmdrm	hyper	CHH	0.0367
Gm09	23525271	23526271	Gmdrm	hyper	CHH	0.0691
Gm09	23526304	23526569	Gmdrm	hyper	CHH	0.1395
Gm09	23527386	23527731	Gmdrm	hyper	CHH	0.1134
Gm09	23528055	23529054	Gmdrm	hyper	CHH	0.0501
Gm09	23529064	23529158	Gmdrm	hyper	CHH	0.1469
Gm09	23529268	23530261	Gmdrm	hyper	CHH	0.0803
Gm09	23530478	23531477	Gmdrm	hyper	CHH	0.0896
Gm09	23531482	23532424	Gmdrm	hyper	CHH	0.1074
Gm09	23532508	23533086	Gmdrm	hyper	CHH	0.149
Gm09	23533369	23533537	Gmdrm	hyper	CHH	0.2767
Gm09	23535179	23536143	Gmdrm	hyper	CHH	0.0938
Gm09	23536689	23537465	Gmdrm	hyper	CHH	0.1436
Gm09	23538218	23539217	Gmdrm	hyper	CHH	0.0769
Gm09	23539237	23539680	Gmdrm	hyper	CHH	0.0609
Gm09	23542398	23543395	Gmdrm	hyper	CHH	0.0882
Gm09	23543909	23544890	Gmdrm	hyper	CHH	0.0524
Gm09	23544916	23545386	Gmdrm	hyper	CHH	0.1043
Gm09	23545984	23546947	Gmdrm	hyper	CHH	0.0732

Gm09	23548400	23549381	Gmdrm	hyper	CHH	0.0767
Gm09	23549401	23550000	Gmdrm	hyper	CHH	0.1248
Gm09	23550112	23551103	Gmdrm	hyper	CHH	0.128
Gm09	23551120	23552082	Gmdrm	hyper	CHH	0.0971
Gm09	23552142	23553126	Gmdrm	hyper	CHH	0.1134
Gm09	23553149	23554147	Gmdrm	hyper	CHH	0.0538
Gm09	23555221	23556221	Gmdrm	hyper	CHH	0.0655
Gm09	23556248	23557234	Gmdrm	hyper	CHH	0.1349
Gm09	23557250	23558247	Gmdrm	hyper	CHH	0.1083
Gm09	23558251	23559246	Gmdrm	hyper	CHH	0.0552
Gm09	23559652	23560652	Gmdrm	hyper	CHH	0.0776
Gm09	23560659	23561659	Gmdrm	hyper	CHH	0.0915
Gm09	23561669	23561783	Gmdrm	hyper	CHH	0.175
Gm09	23563843	23564386	Gmdrm	hyper	CHH	0.1589
Gm09	23566104	23566761	Gmdrm	hyper	CHH	0.0452
Gm09	23568174	23568668	Gmdrm	hyper	CHH	0.1136
Gm09	23584427	23584918	Gmdrm	hyper	CHH	0.1087
Gm09	23585025	23585278	Gmdrm	hyper	CHH	0.1177
Gm09	23589701	23590685	Gmdrm	hyper	CHH	0.0526
Gm09	23590730	23591043	Gmdrm	hyper	CHH	0.0708
Gm09	23591463	23591658	Gmdrm	hyper	CHH	0.1113
Gm09	23592086	23592958	Gmdrm	hyper	CHH	0.0756
Gm09	23593215	23594136	Gmdrm	hyper	CHH	0.1045
Gm09	23594231	23595215	Gmdrm	hyper	CHH	0.0928
Gm09	23595245	23595515	Gmdrm	hyper	CHH	0.1282
Gm09	23595618	23595972	Gmdrm	hyper	CHH	0.1791
Gm09	23596081	23596614	Gmdrm	hyper	CHH	0.1443
Gm09	23596819	23597796	Gmdrm	hyper	CHH	0.1182
Gm09	23598380	23599372	Gmdrm	hyper	CHH	0.0526
Gm09	23599405	23600395	Gmdrm	hyper	CHH	0.09
Gm09	23600877	23601413	Gmdrm	hyper	CHH	0.0635
Gm09	23601960	23602958	Gmdrm	hyper	CHH	0.0683
Gm09	23605333	23605518	Gmdrm	hyper	CHH	0.0613
Gm09	23607072	23607414	Gmdrm	hyper	CHH	0.1622
Gm09	23611093	23611553	Gmdrm	hyper	CHH	0.0607
Gm09	23613341	23614336	Gmdrm	hyper	CHH	0.07
Gm09	23614351	23614587	Gmdrm	hyper	CHH	0.1095
Gm09	23615300	23616295	Gmdrm	hyper	CHH	0.0496
Gm09	25428033	25429007	Gmdrm	hyper	CHH	0.0552
Gm09	25561822	25562821	Gmdrm	hyper	CHH	0.0483
Gm09	25634578	25635345	Gmdrm	hyper	CHH	0.0457
Gm09	25658070	25659060	Gmdrm	hyper	CHH	0.0371
Gm09	25659080	25660078	Gmdrm	hyper	CHH	0.0522
Gm09	25805498	25806446	Gmdrm	hyper	CHH	0.0232
Gm09	25844249	25844417	Gmdrm	hyper	CHH	0.26
Gm09	25984685	25984761	Gmdrm	hyper	CHH	0.18

Gm09	26093274	26094274	Gmdrm	hyper	CHH	0.0687
Gm09	26189148	26190147	Gmdrm	hyper	CHH	0.0503
Gm09	26206022	26206094	Gmdrm	hyper	CHH	0.175
Gm09	27108855	27109037	Gmdrm	hyper	CHH	0.2116
Gm09	27501084	27501207	Gmdrm	hyper	CHH	0.21
Gm09	27504622	27504651	Gmdrm	hyper	CHH	0.18
Gm09	27836526	27836877	Gmdrm	hyper	CHH	0.0366
Gm09	28069558	28069757	Gmdrm	hyper	CHH	0.1897
Gm09	28365937	28366346	Gmdrm	hyper	CHH	0.0985
Gm09	28499246	28500241	Gmdrm	hyper	CHH	0.0324
Gm09	28506495	28507482	Gmdrm	hyper	CHH	0.0269
Gm09	28541648	28542648	Gmdrm	hyper	CHH	0.0649
Gm09	28570125	28570656	Gmdrm	hyper	CHH	0.1353
Gm09	28689137	28690134	Gmdrm	hyper	CHH	0.0695
Gm09	28733262	28734260	Gmdrm	hyper	CHH	0.0404
Gm09	28761868	28762867	Gmdrm	hyper	CHH	0.0462
Gm09	28782717	28782912	Gmdrm	hyper	CHH	0.22
Gm09	28846119	28847117	Gmdrm	hyper	CHH	0.0542
Gm09	29182533	29183532	Gmdrm	hyper	CHH	0.0711
Gm09	29221343	29222322	Gmdrm	hyper	CHH	0.0198
Gm09	29306840	29307775	Gmdrm	hyper	CHH	0.0162
Gm09	29316630	29316959	Gmdrm	hyper	CHH	0.1076
Gm09	29333583	29334581	Gmdrm	hyper	CHH	0.0427
Gm09	29529594	29529726	Gmdrm	hyper	CHH	0.208
Gm09	29573846	29573943	Gmdrm	hyper	CHH	0.0372
Gm09	29649053	29649768	Gmdrm	hyper	CHH	0.0258
Gm09	29657595	29658590	Gmdrm	hyper	CHH	0.0168
Gm09	29678395	29679381	Gmdrm	hyper	CHH	0.0222
Gm09	29694549	29695084	Gmdrm	hyper	CHH	0.0186
Gm09	29886436	29887435	Gmdrm	hyper	CHH	0.0587
Gm09	29925623	29926616	Gmdrm	hyper	CHH	0.0565
Gm09	29954628	29955603	Gmdrm	hyper	CHH	0.0255
Gm09	30080671	30081669	Gmdrm	hyper	CHH	0.0639
Gm09	30109057	30110042	Gmdrm	hyper	CHH	0.0297
Gm09	30293182	30294177	Gmdrm	hyper	CHH	0.0402
Gm09	30303668	30303918	Gmdrm	hyper	CHH	0.1043
Gm09	30317927	30318925	Gmdrm	hyper	CHH	0.0537
Gm09	30341656	30342593	Gmdrm	hyper	CHH	0.0158
Gm09	30381440	30381647	Gmdrm	hyper	CHH	0.0976
Gm09	30693460	30694157	Gmdrm	hyper	CHH	0.0857
Gm09	30831673	30831953	Gmdrm	hyper	CHH	0.0322
Gm09	30849457	30850444	Gmdrm	hyper	CHH	0.0251
Gm09	30919901	30920240	Gmdrm	hyper	CHH	0.016
Gm09	31074562	31075560	Gmdrm	hyper	CHH	0.0366
Gm09	31307547	31308541	Gmdrm	hyper	CHH	0.0596
Gm09	31372799	31373499	Gmdrm	hyper	CHH	0.0333

Gm09	31493868	31494867	Gmdrm	hyper	CHH	0.0451
Gm09	31837324	31837410	Gmdrm	hyper	CHH	0.3136
Gm09	31950461	31951251	Gmdrm	hyper	CHH	0.064
Gm09	31999599	32000563	Gmdrm	hyper	CHH	0.0197
Gm09	32003832	32004832	Gmdrm	hyper	CHH	0.0142
Gm09	32057505	32058468	Gmdrm	hyper	CHH	0.0177
Gm09	32058507	32059491	Gmdrm	hyper	CHH	0.0207
Gm09	32154459	32155443	Gmdrm	hyper	CHH	0.0408
Gm09	32239089	32240066	Gmdrm	hyper	CHH	0.0687
Gm09	32319851	32320822	Gmdrm	hyper	CHH	0.0259
Gm09	32555145	32556116	Gmdrm	hyper	CHH	0.0884
Gm09	32562599	32563596	Gmdrm	hyper	CHH	0.0613
Gm09	32766471	32766722	Gmdrm	hyper	CHH	0.1407
Gm09	32800274	32801264	Gmdrm	hyper	CHH	0.0747
Gm09	32805385	32806382	Gmdrm	hyper	CHH	0.0624
Gm09	32812852	32813852	Gmdrm	hyper	CHH	0.0599
Gm09	32813856	32814849	Gmdrm	hyper	CHH	0.0759
Gm09	32819884	32820874	Gmdrm	hyper	CHH	0.0489
Gm09	32823903	32824891	Gmdrm	hyper	CHH	0.061
Gm09	32826923	32827904	Gmdrm	hyper	CHH	0.0604
Gm09	32828940	32829937	Gmdrm	hyper	CHH	0.0415
Gm09	32829946	32830941	Gmdrm	hyper	CHH	0.0378
Gm09	32884536	32885532	Gmdrm	hyper	CHH	0.0605
Gm09	32892035	32893034	Gmdrm	hyper	CHH	0.0227
Gm09	33220928	33221928	Gmdrm	hyper	CHH	0.0414
Gm09	33337054	33338024	Gmdrm	hyper	CHH	0.0139
Gm09	33347550	33348546	Gmdrm	hyper	CHH	0.0357
Gm09	33387310	33388285	Gmdrm	hyper	CHH	0.0225
Gm09	33517713	33517848	Gmdrm	hyper	CHH	0.2364
Gm09	33708370	33709341	Gmdrm	hyper	CHH	0.0252
Gm09	33735715	33736325	Gmdrm	hyper	CHH	0.0403
Gm09	33737475	33738442	Gmdrm	hyper	CHH	0.0177
Gm09	33825573	33826530	Gmdrm	hyper	CHH	0.016
Gm09	33857170	33858135	Gmdrm	hyper	CHH	0.0455
Gm09	33858522	33859403	Gmdrm	hyper	CHH	0.0122
Gm09	33888988	33889988	Gmdrm	hyper	CHH	0.0607
Gm09	33947448	33947890	Gmdrm	hyper	CHH	0.0416
Gm09	34132890	34133890	Gmdrm	hyper	CHH	0.012
Gm09	34159594	34160594	Gmdrm	hyper	CHH	0.0572
Gm09	34288237	34289233	Gmdrm	hyper	CHH	0.0338
Gm09	34335224	34336223	Gmdrm	hyper	CHH	0.044
Gm09	34349662	34350662	Gmdrm	hyper	CHH	0.0679
Gm09	34352027	34353023	Gmdrm	hyper	CHH	0.0673
Gm09	34355658	34356416	Gmdrm	hyper	CHH	0.0878
Gm09	34357522	34358514	Gmdrm	hyper	CHH	0.0754
Gm09	34358529	34359001	Gmdrm	hyper	CHH	0.101

Gm09	34443246	34443831	Gmdrm	hyper	CHH	0.0266
Gm09	34572226	34573223	Gmdrm	hyper	CHH	0.0234
Gm09	34768154	34768555	Gmdrm	hyper	CHH	0.0319
Gm09	34858229	34859229	Gmdrm	hyper	CHH	0.0703
Gm09	34869466	34870465	Gmdrm	hyper	CHH	0.0415
Gm09	34870475	34871467	Gmdrm	hyper	CHH	0.0479
Gm09	34872484	34873478	Gmdrm	hyper	CHH	0.0569
Gm09	34876185	34877163	Gmdrm	hyper	CHH	0.0884
Gm09	34877197	34878194	Gmdrm	hyper	CHH	0.0605
Gm09	34878200	34879200	Gmdrm	hyper	CHH	0.0663
Gm09	34879203	34880198	Gmdrm	hyper	CHH	0.0631
Gm09	34880205	34881197	Gmdrm	hyper	CHH	0.079
Gm09	34881210	34882209	Gmdrm	hyper	CHH	0.0717
Gm09	35205803	35206367	Gmdrm	hyper	CHH	0.0207
Gm09	35307877	35308870	Gmdrm	hyper	CHH	0.0153
Gm09	35640532	35641528	Gmdrm	hyper	CHH	0.0345
Gm09	35877086	35877181	Gmdrm	hyper	CHH	0.026
Gm09	36017981	36018207	Gmdrm	hyper	CHH	0.1262
Gm09	36049238	36050238	Gmdrm	hyper	CHH	0.0674
Gm09	36128763	36128787	Gmdrm	hyper	CHH	0.258
Gm09	36181696	36181711	Gmdrm	hyper	CHH	0.17
Gm09	36342758	36343058	Gmdrm	hyper	CHH	0.0269
Gm09	36423692	36424683	Gmdrm	hyper	CHH	0.056
Gm09	36498162	36498275	Gmdrm	hyper	CHH	0.0281
Gm09	36614375	36615371	Gmdrm	hyper	CHH	0.0218
Gm09	36701700	36702679	Gmdrm	hyper	CHH	0.0282
Gm09	36711635	36711845	Gmdrm	hyper	CHH	0.05
Gm09	36735003	36735166	Gmdrm	hyper	CHH	0.1086
Gm09	36809287	36810283	Gmdrm	hyper	CHH	0.0558
Gm09	36813130	36814125	Gmdrm	hyper	CHH	0.0595
Gm09	36855048	36855828	Gmdrm	hyper	CHH	0.0558
Gm09	37055900	37056889	Gmdrm	hyper	CHH	0.0407
Gm09	37056906	37057905	Gmdrm	hyper	CHH	0.0493
Gm09	37073445	37074442	Gmdrm	hyper	CHH	0.0189
Gm09	37101773	37102485	Gmdrm	hyper	CHH	0.0344
Gm09	37283934	37284933	Gmdrm	hyper	CHH	0.0125
Gm09	37349663	37350617	Gmdrm	hyper	CHH	0.0644
Gm09	37376767	37377764	Gmdrm	hyper	CHH	0.0807
Gm09	37377772	37378772	Gmdrm	hyper	CHH	0.1058
Gm09	37378783	37379764	Gmdrm	hyper	CHH	0.0886
Gm09	37393691	37394594	Gmdrm	hyper	CHH	0.0385
Gm09	37506428	37507094	Gmdrm	hyper	CHH	0.0149
Gm09	37532264	37532844	Gmdrm	hyper	CHH	0.0945
Gm09	37594845	37595822	Gmdrm	hyper	CHH	0.0136
Gm09	37637887	37638263	Gmdrm	hyper	CHH	0.0309
Gm09	37659269	37660266	Gmdrm	hyper	CHH	0.0194

Gm09	37667172	37668158	Gmdrm	hyper	CHH	0.0248
Gm09	37704503	37705478	Gmdrm	hyper	CHH	0.0235
Gm09	37742565	37743540	Gmdrm	hyper	CHH	0.0158
Gm09	37811344	37812170	Gmdrm	hyper	CHH	0.0154
Gm09	38050979	38051116	Gmdrm	hyper	CHH	0.04
Gm09	38374873	38375123	Gmdrm	hyper	CHH	0.032
Gm09	38375346	38376328	Gmdrm	hyper	CHH	0.0122
Gm09	38377383	38377586	Gmdrm	hyper	CHH	0.0346
Gm09	38401498	38402345	Gmdrm	hyper	CHH	0.0258
Gm09	38429802	38430791	Gmdrm	hyper	CHH	0.0389
Gm09	38440455	38441447	Gmdrm	hyper	CHH	0.011
Gm09	38501655	38502642	Gmdrm	hyper	CHH	0.0162
Gm09	38691095	38692086	Gmdrm	hyper	CHH	0.0121
Gm09	38710672	38711668	Gmdrm	hyper	CHH	0.021
Gm09	38745659	38745855	Gmdrm	hyper	CHH	0.06
Gm09	38753530	38753630	Gmdrm	hyper	CHH	0.1429
Gm09	38765571	38766565	Gmdrm	hyper	CHH	0.0198
Gm09	38940297	38941287	Gmdrm	hyper	CHH	0.0603
Gm09	38941303	38941558	Gmdrm	hyper	CHH	0.0905
Gm09	38950593	38951541	Gmdrm	hyper	CHH	0.0146
Gm09	39004930	39005917	Gmdrm	hyper	CHH	0.025
Gm09	39005931	39006931	Gmdrm	hyper	CHH	0.0182
Gm09	39021210	39022203	Gmdrm	hyper	CHH	0.0129
Gm09	39062001	39062991	Gmdrm	hyper	CHH	0.0213
Gm09	39204052	39205015	Gmdrm	hyper	CHH	0.0163
Gm09	39220125	39220802	Gmdrm	hyper	CHH	0.0314
Gm09	39287289	39288289	Gmdrm	hyper	CHH	0.0234
Gm09	39306568	39307529	Gmdrm	hyper	CHH	0.0221
Gm09	39712364	39712619	Gmdrm	hyper	CHH	0.033
Gm09	39737609	39738582	Gmdrm	hyper	CHH	0.0106
Gm09	39824798	39825781	Gmdrm	hyper	CHH	0.0087
Gm09	39827831	39828808	Gmdrm	hyper	CHH	0.0208
Gm09	39909417	39910386	Gmdrm	hyper	CHH	0.0159
Gm09	39911433	39912418	Gmdrm	hyper	CHH	0.0196
Gm09	39975449	39975852	Gmdrm	hyper	CHH	0.0318
Gm09	40083521	40084517	Gmdrm	hyper	CHH	0.0232
Gm09	40090433	40090670	Gmdrm	hyper	CHH	0.1212
Gm09	40136945	40137915	Gmdrm	hyper	CHH	0.0107
Gm09	40150744	40151685	Gmdrm	hyper	CHH	0.0199
Gm09	40154284	40154442	Gmdrm	hyper	CHH	0.0642
Gm09	40175504	40176466	Gmdrm	hyper	CHH	0.0146
Gm09	40186605	40187591	Gmdrm	hyper	CHH	0.0238
Gm09	40258338	40259337	Gmdrm	hyper	CHH	0.0155
Gm09	40297571	40298440	Gmdrm	hyper	CHH	0.0227
Gm09	40339848	40340847	Gmdrm	hyper	CHH	0.0223
Gm09	40344726	40345231	Gmdrm	hyper	CHH	0.025

Gm09	40382521	40383512	Gmdrm	hyper	CHH	0.0161
Gm09	40383540	40384347	Gmdrm	hyper	CHH	0.0285
Gm09	40411698	40412679	Gmdrm	hyper	CHH	0.0138
Gm09	40420236	40420900	Gmdrm	hyper	CHH	0.0447
Gm09	40452511	40453042	Gmdrm	hyper	CHH	0.0276
Gm09	40485445	40486442	Gmdrm	hyper	CHH	0.0475
Gm09	40501480	40501541	Gmdrm	hyper	CHH	0.035
Gm09	40539344	40539535	Gmdrm	hyper	CHH	0.0408
Gm09	40564879	40565868	Gmdrm	hyper	CHH	0.0373
Gm09	40576924	40577054	Gmdrm	hyper	CHH	0.0455
Gm09	40748568	40749545	Gmdrm	hyper	CHH	0.024
Gm09	40849759	40850757	Gmdrm	hyper	CHH	0.0397
Gm09	40978495	40979091	Gmdrm	hyper	CHH	0.0175
Gm09	41024006	41024903	Gmdrm	hyper	CHH	0.0351
Gm09	41088395	41089393	Gmdrm	hyper	CHH	0.0123
Gm09	41114504	41115476	Gmdrm	hyper	CHH	0.0174
Gm09	41407867	41408812	Gmdrm	hyper	CHH	0.0462
Gm09	41418999	41419737	Gmdrm	hyper	CHH	0.0162
Gm09	41479900	41480754	Gmdrm	hyper	CHH	0.0209
Gm09	41625167	41625561	Gmdrm	hyper	CHH	0.0655
Gm09	41720919	41721678	Gmdrm	hyper	CHH	0.0263
Gm09	41782436	41783417	Gmdrm	hyper	CHH	0.013
Gm09	41821830	41822826	Gmdrm	hyper	CHH	0.0112
Gm09	41969422	41970403	Gmdrm	hyper	CHH	0.0128
Gm09	42033335	42033895	Gmdrm	hyper	CHH	0.0174
Gm09	42044357	42045357	Gmdrm	hyper	CHH	0.0207
Gm09	42141698	42142685	Gmdrm	hyper	CHH	0.0133
Gm09	42246845	42247832	Gmdrm	hyper	CHH	0.0223
Gm09	42330198	42331195	Gmdrm	hyper	CHH	0.0204
Gm09	42435812	42436031	Gmdrm	hyper	CHH	0.0363
Gm09	42439197	42440193	Gmdrm	hyper	CHH	0.0241
Gm09	42448033	42449030	Gmdrm	hyper	CHH	0.0117
Gm09	42571229	42572229	Gmdrm	hyper	CHH	0.0207
Gm09	42578888	42579834	Gmdrm	hyper	CHH	0.0282
Gm09	42589178	42589400	Gmdrm	hyper	CHH	0.0303
Gm09	42599142	42600097	Gmdrm	hyper	CHH	0.0233
Gm09	42674109	42674206	Gmdrm	hyper	CHH	0.0386
Gm09	42732387	42733020	Gmdrm	hyper	CHH	0.031
Gm09	42767125	42767508	Gmdrm	hyper	CHH	0.0369
Gm09	42816563	42817551	Gmdrm	hyper	CHH	0.0187
Gm09	42824878	42825848	Gmdrm	hyper	CHH	0.0383
Gm09	42841238	42842196	Gmdrm	hyper	CHH	0.0158
Gm09	42870205	42871198	Gmdrm	hyper	CHH	0.0143
Gm09	42877377	42878373	Gmdrm	hyper	CHH	0.019
Gm09	42938440	42939437	Gmdrm	hyper	CHH	0.0231
Gm09	42954975	42955968	Gmdrm	hyper	CHH	0.0241

Gm09	42961794	42962003	Gmdrm	hyper	CHH	0.045
Gm09	43024673	43025660	Gmdrm	hyper	CHH	0.034
Gm09	43078472	43079468	Gmdrm	hyper	CHH	0.0243
Gm09	43146948	43147407	Gmdrm	hyper	CHH	0.036
Gm09	43185673	43186664	Gmdrm	hyper	CHH	0.0346
Gm09	43198118	43199104	Gmdrm	hyper	CHH	0.0219
Gm09	43207345	43208344	Gmdrm	hyper	CHH	0.0231
Gm09	43222044	43223007	Gmdrm	hyper	CHH	0.014
Gm09	43228426	43229418	Gmdrm	hyper	CHH	0.0166
Gm09	43245050	43245493	Gmdrm	hyper	CHH	0.04
Gm09	43253090	43254060	Gmdrm	hyper	CHH	0.0241
Gm09	43264007	43265004	Gmdrm	hyper	CHH	0.0164
Gm09	43292956	43293952	Gmdrm	hyper	CHH	0.011
Gm09	43439688	43440268	Gmdrm	hyper	CHH	0.0443
Gm09	43506608	43507605	Gmdrm	hyper	CHH	0.0207
Gm09	43558282	43558606	Gmdrm	hyper	CHH	0.0395
Gm09	43595535	43596532	Gmdrm	hyper	CHH	0.0111
Gm09	43605880	43606868	Gmdrm	hyper	CHH	0.02
Gm09	43622337	43623314	Gmdrm	hyper	CHH	0.0185
Gm09	43627130	43628077	Gmdrm	hyper	CHH	0.014
Gm09	43646815	43647220	Gmdrm	hyper	CHH	0.0304
Gm09	43680735	43681729	Gmdrm	hyper	CHH	0.0142
Gm09	43752077	43752162	Gmdrm	hyper	CHH	0.064
Gm09	43866685	43867354	Gmdrm	hyper	CHH	0.0522
Gm09	43895798	43896428	Gmdrm	hyper	CHH	0.0183
Gm09	43902557	43902726	Gmdrm	hyper	CHH	0.0675
Gm09	43937992	43938628	Gmdrm	hyper	CHH	0.0154
Gm09	43978292	43978992	Gmdrm	hyper	CHH	0.017
Gm09	43982525	43983131	Gmdrm	hyper	CHH	0.0588
Gm09	43983261	43984244	Gmdrm	hyper	CHH	0.0247
Gm09	43993567	43994565	Gmdrm	hyper	CHH	0.0173
Gm09	44080900	44081846	Gmdrm	hyper	CHH	0.0292
Gm09	44083241	44083774	Gmdrm	hyper	CHH	0.0218
Gm09	44099502	44100489	Gmdrm	hyper	CHH	0.0176
Gm09	44132109	44133080	Gmdrm	hyper	CHH	0.0192
Gm09	44346661	44347619	Gmdrm	hyper	CHH	0.017
Gm09	44349296	44350294	Gmdrm	hyper	CHH	0.0194
Gm09	44376192	44377192	Gmdrm	hyper	CHH	0.0174
Gm09	44377898	44378368	Gmdrm	hyper	CHH	0.0123
Gm09	44386937	44387748	Gmdrm	hyper	CHH	0.0251
Gm09	44465599	44466599	Gmdrm	hyper	CHH	0.019
Gm09	44476830	44477815	Gmdrm	hyper	CHH	0.0175
Gm09	44493476	44494445	Gmdrm	hyper	CHH	0.024
Gm09	44539059	44540058	Gmdrm	hyper	CHH	0.0271
Gm09	44564721	44565251	Gmdrm	hyper	CHH	0.0222
Gm09	44575923	44576905	Gmdrm	hyper	CHH	0.014

Gm09	44596898	44597118	Gmdrm	hyper	CHH	0.0376
Gm09	44598348	44599335	Gmdrm	hyper	CHH	0.0271
Gm09	44606069	44607024	Gmdrm	hyper	CHH	0.0295
Gm09	44628914	44629681	Gmdrm	hyper	CHH	0.0235
Gm09	44631017	44631701	Gmdrm	hyper	CHH	0.0243
Gm09	44637768	44638445	Gmdrm	hyper	CHH	0.0214
Gm09	44659276	44659420	Gmdrm	hyper	CHH	0.0539
Gm09	44693483	44694475	Gmdrm	hyper	CHH	0.0265
Gm09	44787800	44788786	Gmdrm	hyper	CHH	0.0125
Gm09	44798915	44799856	Gmdrm	hyper	CHH	0.0302
Gm09	44802080	44803078	Gmdrm	hyper	CHH	0.011
Gm09	44808944	44809926	Gmdrm	hyper	CHH	0.0341
Gm09	44852529	44853074	Gmdrm	hyper	CHH	0.019
Gm09	44876634	44877607	Gmdrm	hyper	CHH	0.0439
Gm09	44966864	44967840	Gmdrm	hyper	CHH	0.0131
Gm09	44989705	44990701	Gmdrm	hyper	CHH	0.0314
Gm09	44992601	44993571	Gmdrm	hyper	CHH	0.0223
Gm09	45132807	45133793	Gmdrm	hyper	CHH	0.0168
Gm09	45163086	45164073	Gmdrm	hyper	CHH	0.0191
Gm09	45199879	45200876	Gmdrm	hyper	CHH	0.0393
Gm09	45362719	45363701	Gmdrm	hyper	CHH	0.0176
Gm09	45413277	45414273	Gmdrm	hyper	CHH	0.0193
Gm09	45454942	45455244	Gmdrm	hyper	CHH	0.0661
Gm09	45457287	45457887	Gmdrm	hyper	CHH	0.0425
Gm09	45475650	45476265	Gmdrm	hyper	CHH	0.0298
Gm09	45537781	45538776	Gmdrm	hyper	CHH	0.0184
Gm09	45540802	45541790	Gmdrm	hyper	CHH	0.0164
Gm09	45557915	45558915	Gmdrm	hyper	CHH	0.0167
Gm09	45591833	45592829	Gmdrm	hyper	CHH	0.0278
Gm09	45612860	45613860	Gmdrm	hyper	CHH	0.0138
Gm09	45643076	45644067	Gmdrm	hyper	CHH	0.015
Gm09	45727602	45728233	Gmdrm	hyper	CHH	0.0186
Gm09	45735836	45736821	Gmdrm	hyper	CHH	0.0294
Gm09	45745785	45746783	Gmdrm	hyper	CHH	0.0233
Gm09	45795455	45795803	Gmdrm	hyper	CHH	0.03
Gm09	45856082	45856158	Gmdrm	hyper	CHH	0.0325
Gm09	45858306	45859288	Gmdrm	hyper	CHH	0.0106
Gm09	45911879	45912872	Gmdrm	hyper	CHH	0.0206
Gm09	46001377	46002310	Gmdrm	hyper	CHH	0.0496
Gm09	46033747	46034746	Gmdrm	hyper	CHH	0.0412
Gm09	46039692	46040669	Gmdrm	hyper	CHH	0.028
Gm09	46121670	46121716	Gmdrm	hyper	CHH	0.038
Gm09	46148788	46148889	Gmdrm	hyper	CHH	0.0573
Gm09	46154775	46155763	Gmdrm	hyper	CHH	0.0243
Gm09	46187085	46187273	Gmdrm	hyper	CHH	0.0683
Gm09	46192025	46192371	Gmdrm	hyper	CHH	0.0482

Gm09	46233910	46234889	Gmdrm	hyper	CHH	0.0516
Gm09	46252831	46253211	Gmdrm	hyper	CHH	0.0154
Gm09	46270249	46271233	Gmdrm	hyper	CHH	0.0236
Gm09	46273843	46274838	Gmdrm	hyper	CHH	0.013
Gm09	46306644	46306867	Gmdrm	hyper	CHH	0.095
Gm09	46331500	46331734	Gmdrm	hyper	CHH	0.0575
Gm09	46358775	46359298	Gmdrm	hyper	CHH	0.0705
Gm09	46377798	46378779	Gmdrm	hyper	CHH	0.0177
Gm09	46422361	46423357	Gmdrm	hyper	CHH	0.0168
Gm09	46458856	46459844	Gmdrm	hyper	CHH	0.0215
Gm09	46459917	46460872	Gmdrm	hyper	CHH	0.0112
Gm09	46464060	46464848	Gmdrm	hyper	CHH	0.0338
Gm09	46488593	46488921	Gmdrm	hyper	CHH	0.0376
Gm09	46502146	46503133	Gmdrm	hyper	CHH	0.0148
Gm09	46531450	46532445	Gmdrm	hyper	CHH	0.0136
Gm09	46581911	46582894	Gmdrm	hyper	CHH	0.0585
Gm09	46716706	46717694	Gmdrm	hyper	CHH	0.0113
Gm09	46740590	46741571	Gmdrm	hyper	CHH	0.0187
Gm09	46796727	46797413	Gmdrm	hyper	CHH	0.0297
Gm09	46801306	46802084	Gmdrm	hyper	CHH	0.0169
Gm09	46825709	46826699	Gmdrm	hyper	CHH	0.0138
Gm09	46852849	46853846	Gmdrm	hyper	CHH	0.0104
Gm09	46872051	46873038	Gmdrm	hyper	CHH	0.0156
Gm09	46912861	46913856	Gmdrm	hyper	CHH	0.014
Gm09	46943139	46944128	Gmdrm	hyper	CHH	0.0116
Gm09	46957781	46958083	Gmdrm	hyper	CHH	0.0293
Gm09	46976310	46977276	Gmdrm	hyper	CHH	0.0214
Gm09	46980064	46981013	Gmdrm	hyper	CHH	0.0138
Gm09	47004942	47005913	Gmdrm	hyper	CHH	0.0207
Gm09	47084033	47085025	Gmdrm	hyper	CHH	0.0432
Gm09	47315667	47315862	Gmdrm	hyper	CHH	0.0278
Gm09	47392174	47393173	Gmdrm	hyper	CHH	0.0177
Gm09	47426598	47427594	Gmdrm	hyper	CHH	0.0175
Gm09	47436831	47437814	Gmdrm	hyper	CHH	0.0375
Gm09	47451166	47452145	Gmdrm	hyper	CHH	0.0187
Gm09	47556163	47556510	Gmdrm	hyper	CHH	0.0289
Gm09	47556617	47557598	Gmdrm	hyper	CHH	0.0206
Gm09	47573352	47574349	Gmdrm	hyper	CHH	0.019
Gm09	47588661	47589659	Gmdrm	hyper	CHH	0.0131
Gm09	47607233	47608228	Gmdrm	hyper	CHH	0.0182
Gm09	47617591	47618577	Gmdrm	hyper	CHH	0.0298
Gm09	47624622	47625610	Gmdrm	hyper	CHH	0.0206
Gm09	47656783	47657769	Gmdrm	hyper	CHH	0.0339
Gm09	47657836	47658836	Gmdrm	hyper	CHH	0.014
Gm09	47736261	47737235	Gmdrm	hyper	CHH	0.0189
Gm09	47785553	47786334	Gmdrm	hyper	CHH	0.0147

Gm09	47786452	47787435	Gmdrm	hyper	CHH	0.026
Gm09	47851925	47852914	Gmdrm	hyper	CHH	0.0204
Gm09	47871290	47872282	Gmdrm	hyper	CHH	0.0201
Gm09	47874328	47875328	Gmdrm	hyper	CHH	0.0247
Gm09	48011539	48012520	Gmdrm	hyper	CHH	0.03
Gm09	48022344	48023327	Gmdrm	hyper	CHH	0.0172
Gm09	48054641	48055604	Gmdrm	hyper	CHH	0.01
Gm09	48074494	48074677	Gmdrm	hyper	CHH	0.0644
Gm09	48126273	48127273	Gmdrm	hyper	CHH	0.0242
Gm09	48156182	48157182	Gmdrm	hyper	CHH	0.0138
Gm09	48236532	48237504	Gmdrm	hyper	CHH	0.0188
Gm09	48241102	48242072	Gmdrm	hyper	CHH	0.0149
Gm09	48359920	48360452	Gmdrm	hyper	CHH	0.0214
Gm09	48385356	48385858	Gmdrm	hyper	CHH	0.0312
Gm09	48456714	48457699	Gmdrm	hyper	CHH	0.0216
Gm09	48516111	48517093	Gmdrm	hyper	CHH	0.043
Gm09	48520849	48521843	Gmdrm	hyper	CHH	0.02
Gm09	48531689	48532670	Gmdrm	hyper	CHH	0.0131
Gm09	48545477	48545511	Gmdrm	hyper	CHH	0.0571
Gm09	48567983	48568981	Gmdrm	hyper	CHH	0.0281
Gm09	48579768	48580767	Gmdrm	hyper	CHH	0.0161
Gm09	48584478	48585467	Gmdrm	hyper	CHH	0.0206
Gm09	48585480	48586446	Gmdrm	hyper	CHH	0.0164
Gm09	48609276	48610275	Gmdrm	hyper	CHH	0.0115
Gm09	48758390	48759382	Gmdrm	hyper	CHH	0.0137
Gm09	48816416	48816898	Gmdrm	hyper	CHH	0.0234
Gm09	48867903	48868352	Gmdrm	hyper	CHH	0.0458
Gm09	48893914	48894074	Gmdrm	hyper	CHH	0.0633
Gm09	48919055	48920047	Gmdrm	hyper	CHH	0.0136
Gm09	48923391	48924383	Gmdrm	hyper	CHH	0.0173
Gm09	48924407	48925299	Gmdrm	hyper	CHH	0.0248
Gm09	48940916	48941904	Gmdrm	hyper	CHH	0.0196
Gm09	48970044	48970542	Gmdrm	hyper	CHH	0.0242
Gm09	48976617	48977611	Gmdrm	hyper	CHH	0.026
Gm09	48982227	48983217	Gmdrm	hyper	CHH	0.0335
Gm09	49010975	49011670	Gmdrm	hyper	CHH	0.0138
Gm09	49027482	49028450	Gmdrm	hyper	CHH	0.0156
Gm09	49098853	49098978	Gmdrm	hyper	CHH	0.0463
Gm09	49100146	49100867	Gmdrm	hyper	CHH	0.0195
Gm09	49122279	49123273	Gmdrm	hyper	CHH	0.0263
Gm09	49236528	49236696	Gmdrm	hyper	CHH	0.1352
Gm09	49236803	49236990	Gmdrm	hyper	CHH	0.0433
Gm09	49238064	49239038	Gmdrm	hyper	CHH	0.0172
Gm09	49294299	49295295	Gmdrm	hyper	CHH	0.0183
Gm09	49297896	49298891	Gmdrm	hyper	CHH	0.0213
Gm09	49349670	49350128	Gmdrm	hyper	CHH	0.0884

Gm09	49378358	49379314	Gmdrm	hyper	CHH	0.0139
Gm09	49397469	49398468	Gmdrm	hyper	CHH	0.0132
Gm09	49419650	49420592	Gmdrm	hyper	CHH	0.0319
Gm09	49450264	49451261	Gmdrm	hyper	CHH	0.0148
Gm09	49516559	49517545	Gmdrm	hyper	CHH	0.0178
Gm09	49526735	49527712	Gmdrm	hyper	CHH	0.0154
Gm09	49534592	49535572	Gmdrm	hyper	CHH	0.0125
Gm09	49540396	49541366	Gmdrm	hyper	CHH	0.0112
Gm09	49701042	49701970	Gmdrm	hyper	CHH	0.0141
Gm09	49745961	49746955	Gmdrm	hyper	CHH	0.0202
Gm09	49787108	49788057	Gmdrm	hyper	CHH	0.0176
Gm09	49822400	49823397	Gmdrm	hyper	CHH	0.0093
Gm09	49823409	49824406	Gmdrm	hyper	CHH	0.0116
Gm09	49843644	49844271	Gmdrm	hyper	CHH	0.0348
Gm09	49855924	49856900	Gmdrm	hyper	CHH	0.0244
Gm09	49871636	49872306	Gmdrm	hyper	CHH	0.0269
Gm09	49872472	49873468	Gmdrm	hyper	CHH	0.0225
Gm09	49896157	49896770	Gmdrm	hyper	CHH	0.0444
Gm09	49902745	49902873	Gmdrm	hyper	CHH	0.0375
Gm09	49908773	49908955	Gmdrm	hyper	CHH	0.03
Gm09	49911507	49911609	Gmdrm	hyper	CHH	0.076
Gm09	49947183	49948165	Gmdrm	hyper	CHH	0.0136
Gm09	50073849	50074782	Gmdrm	hyper	CHH	0.0122
Gm09	50080170	50081160	Gmdrm	hyper	CHH	0.0253
Gm09	50111984	50112980	Gmdrm	hyper	CHH	0.1187
Gm09	50112985	50113961	Gmdrm	hyper	CHH	0.1271
Gm09	50114003	50114999	Gmdrm	hyper	CHH	0.0381
Gm09	50192219	50193213	Gmdrm	hyper	CHH	0.0164
Gm09	50222488	50222793	Gmdrm	hyper	CHH	0.0259
Gm09	50225079	50225497	Gmdrm	hyper	CHH	0.0433
Gm09	50297893	50298826	Gmdrm	hyper	CHH	0.0232
Gm09	50301955	50302533	Gmdrm	hyper	CHH	0.0354
Gm09	50406578	50407573	Gmdrm	hyper	CHH	0.0108
Gm09	50414048	50415030	Gmdrm	hyper	CHH	0.0385
Gm09	50505006	50505991	Gmdrm	hyper	CHH	0.0133
Gm09	50561138	50561946	Gmdrm	hyper	CHH	0.0167
Gm09	50569821	50569991	Gmdrm	hyper	CHH	0.09
Gm09_scaffo	6079	7055	Gmdrm	hyper	CHH	0.0197
Gm09_scaffo	26330	26851	Gmdrm	hyper	CHH	0.0175
Gm09_scaffo	31495	32492	Gmdrm	hyper	CHH	0.0216
Gm10	5185	5257	Gmdrm	hyper	CHH	0.1433
Gm10	60131	61097	Gmdrm	hyper	CHH	0.0167
Gm10	152901	153451	Gmdrm	hyper	CHH	0.0453
Gm10	159012	159984	Gmdrm	hyper	CHH	0.0265
Gm10	168542	169537	Gmdrm	hyper	CHH	0.0129
Gm10	181217	182203	Gmdrm	hyper	CHH	0.0304

Gm10	184207	184692	Gmdrm	hyper	CHH	0.026
Gm10	251656	252185	Gmdrm	hyper	CHH	0.0295
Gm10	284921	285084	Gmdrm	hyper	CHH	0.0652
Gm10	289038	289642	Gmdrm	hyper	CHH	0.0167
Gm10	358179	359118	Gmdrm	hyper	CHH	0.03
Gm10	373816	374244	Gmdrm	hyper	CHH	0.0252
Gm10	388407	389393	Gmdrm	hyper	CHH	0.0164
Gm10	406495	407199	Gmdrm	hyper	CHH	0.0162
Gm10	423689	424099	Gmdrm	hyper	CHH	0.0196
Gm10	434726	435702	Gmdrm	hyper	CHH	0.0153
Gm10	509771	510624	Gmdrm	hyper	CHH	0.0168
Gm10	552447	553431	Gmdrm	hyper	CHH	0.0278
Gm10	605391	605578	Gmdrm	hyper	CHH	0.0425
Gm10	620219	621194	Gmdrm	hyper	CHH	0.0224
Gm10	705307	706298	Gmdrm	hyper	CHH	0.0175
Gm10	713315	714313	Gmdrm	hyper	CHH	0.0287
Gm10	735690	736684	Gmdrm	hyper	CHH	0.0155
Gm10	761637	762504	Gmdrm	hyper	CHH	0.0151
Gm10	763837	764799	Gmdrm	hyper	CHH	0.011
Gm10	765860	766847	Gmdrm	hyper	CHH	0.0308
Gm10	778944	779259	Gmdrm	hyper	CHH	0.0259
Gm10	793216	794215	Gmdrm	hyper	CHH	0.0177
Gm10	867086	868079	Gmdrm	hyper	CHH	0.0182
Gm10	877386	878386	Gmdrm	hyper	CHH	0.0237
Gm10	934805	935781	Gmdrm	hyper	CHH	0.0254
Gm10	945038	946035	Gmdrm	hyper	CHH	0.0144
Gm10	977333	978221	Gmdrm	hyper	CHH	0.0104
Gm10	1017090	1018022	Gmdrm	hyper	CHH	0.0307
Gm10	1083987	1084968	Gmdrm	hyper	CHH	0.0146
Gm10	1144305	1144521	Gmdrm	hyper	CHH	0.025
Gm10	1154967	1155965	Gmdrm	hyper	CHH	0.0157
Gm10	1216467	1217459	Gmdrm	hyper	CHH	0.0198
Gm10	1228609	1229526	Gmdrm	hyper	CHH	0.0116
Gm10	1240671	1241668	Gmdrm	hyper	CHH	0.0228
Gm10	1310433	1311167	Gmdrm	hyper	CHH	0.0183
Gm10	1315591	1316461	Gmdrm	hyper	CHH	0.021
Gm10	1449584	1450568	Gmdrm	hyper	CHH	0.0158
Gm10	1501270	1501421	Gmdrm	hyper	CHH	0.1032
Gm10	1518708	1518911	Gmdrm	hyper	CHH	0.034
Gm10	1536743	1537564	Gmdrm	hyper	CHH	0.0136
Gm10	1571181	1572180	Gmdrm	hyper	CHH	0.0163
Gm10	1632436	1632583	Gmdrm	hyper	CHH	0.0786
Gm10	1644557	1645552	Gmdrm	hyper	CHH	0.0359
Gm10	1681592	1682574	Gmdrm	hyper	CHH	0.0162
Gm10	1712914	1713040	Gmdrm	hyper	CHH	0.0791
Gm10	1723291	1724290	Gmdrm	hyper	CHH	0.0182

Gm10	1731347	1732334	Gmdrm	hyper	CHH	0.0112
Gm10	1765907	1766890	Gmdrm	hyper	CHH	0.024
Gm10	1814406	1814607	Gmdrm	hyper	CHH	0.0905
Gm10	1840109	1841109	Gmdrm	hyper	CHH	0.0138
Gm10	1913515	1914499	Gmdrm	hyper	CHH	0.0188
Gm10	1920698	1921698	Gmdrm	hyper	CHH	0.0198
Gm10	1989306	1990117	Gmdrm	hyper	CHH	0.0503
Gm10	1993288	1994286	Gmdrm	hyper	CHH	0.0161
Gm10	2020015	2020111	Gmdrm	hyper	CHH	0.0333
Gm10	2151282	2151755	Gmdrm	hyper	CHH	0.0564
Gm10	2208129	2209059	Gmdrm	hyper	CHH	0.0144
Gm10	2263647	2264647	Gmdrm	hyper	CHH	0.0373
Gm10	2297263	2298247	Gmdrm	hyper	CHH	0.0257
Gm10	2364641	2365123	Gmdrm	hyper	CHH	0.0664
Gm10	2381231	2382211	Gmdrm	hyper	CHH	0.019
Gm10	2383153	2383391	Gmdrm	hyper	CHH	0.0663
Gm10	2488021	2488562	Gmdrm	hyper	CHH	0.0149
Gm10	2492254	2493231	Gmdrm	hyper	CHH	0.017
Gm10	2503469	2504465	Gmdrm	hyper	CHH	0.0206
Gm10	2529701	2530687	Gmdrm	hyper	CHH	0.0252
Gm10	2609013	2609803	Gmdrm	hyper	CHH	0.0288
Gm10	2618638	2618754	Gmdrm	hyper	CHH	0.0533
Gm10	2635565	2635941	Gmdrm	hyper	CHH	0.0358
Gm10	2704362	2705205	Gmdrm	hyper	CHH	0.0267
Gm10	2728514	2729486	Gmdrm	hyper	CHH	0.0283
Gm10	2745199	2745673	Gmdrm	hyper	CHH	0.0463
Gm10	2747877	2748615	Gmdrm	hyper	CHH	0.0184
Gm10	2768334	2769333	Gmdrm	hyper	CHH	0.0219
Gm10	2816011	2816967	Gmdrm	hyper	CHH	0.0167
Gm10	2824003	2824804	Gmdrm	hyper	CHH	0.0193
Gm10	2834716	2835158	Gmdrm	hyper	CHH	0.0405
Gm10	2836713	2837713	Gmdrm	hyper	CHH	0.0951
Gm10	2837717	2838716	Gmdrm	hyper	CHH	0.0944
Gm10	2838720	2839703	Gmdrm	hyper	CHH	0.0414
Gm10	2842073	2843073	Gmdrm	hyper	CHH	0.0207
Gm10	2861806	2862792	Gmdrm	hyper	CHH	0.0218
Gm10	2924651	2925642	Gmdrm	hyper	CHH	0.016
Gm10	3023584	3024561	Gmdrm	hyper	CHH	0.0776
Gm10	3029736	3030652	Gmdrm	hyper	CHH	0.05
Gm10	3035052	3036052	Gmdrm	hyper	CHH	0.0139
Gm10	3049933	3050212	Gmdrm	hyper	CHH	0.0227
Gm10	3079706	3080323	Gmdrm	hyper	CHH	0.0433
Gm10	3097216	3097571	Gmdrm	hyper	CHH	0.0592
Gm10	3166144	3167095	Gmdrm	hyper	CHH	0.0184
Gm10	3178438	3179436	Gmdrm	hyper	CHH	0.0127
Gm10	3231709	3232035	Gmdrm	hyper	CHH	0.0388

Gm10	3292005	3292968	Gmdrm	hyper	CHH	0.0138
Gm10	3308913	3309022	Gmdrm	hyper	CHH	0.0328
Gm10	3334970	3335949	Gmdrm	hyper	CHH	0.018
Gm10	3337005	3338000	Gmdrm	hyper	CHH	0.0191
Gm10	3343992	3344989	Gmdrm	hyper	CHH	0.0093
Gm10	3347541	3347595	Gmdrm	hyper	CHH	0.054
Gm10	3465103	3465164	Gmdrm	hyper	CHH	0.04
Gm10	3478880	3479862	Gmdrm	hyper	CHH	0.0259
Gm10	3535754	3536735	Gmdrm	hyper	CHH	0.0122
Gm10	3536781	3537749	Gmdrm	hyper	CHH	0.019
Gm10	3634687	3635662	Gmdrm	hyper	CHH	0.0145
Gm10	3650873	3651862	Gmdrm	hyper	CHH	0.0332
Gm10	3681977	3682968	Gmdrm	hyper	CHH	0.0212
Gm10	3838858	3839853	Gmdrm	hyper	CHH	0.0128
Gm10	3854826	3855775	Gmdrm	hyper	CHH	0.0217
Gm10	3985197	3986141	Gmdrm	hyper	CHH	0.0192
Gm10	4085502	4086490	Gmdrm	hyper	CHH	0.0194
Gm10	4096358	4096500	Gmdrm	hyper	CHH	0.05
Gm10	4107083	4108081	Gmdrm	hyper	CHH	0.0186
Gm10	4253713	4254218	Gmdrm	hyper	CHH	0.0226
Gm10	4311389	4312389	Gmdrm	hyper	CHH	0.0397
Gm10	4366135	4367124	Gmdrm	hyper	CHH	0.0128
Gm10	4422808	4423120	Gmdrm	hyper	CHH	0.0317
Gm10	4428339	4429189	Gmdrm	hyper	CHH	0.0169
Gm10	4490631	4491588	Gmdrm	hyper	CHH	0.0136
Gm10	4558483	4559107	Gmdrm	hyper	CHH	0.0326
Gm10	4564080	4564851	Gmdrm	hyper	CHH	0.0207
Gm10	4579777	4580750	Gmdrm	hyper	CHH	0.0172
Gm10	4595804	4596783	Gmdrm	hyper	CHH	0.0155
Gm10	4611324	4611561	Gmdrm	hyper	CHH	0.0344
Gm10	4651387	4651420	Gmdrm	hyper	CHH	0.1667
Gm10	4676207	4676511	Gmdrm	hyper	CHH	0.07
Gm10	4702055	4703034	Gmdrm	hyper	CHH	0.0223
Gm10	4713179	4714172	Gmdrm	hyper	CHH	0.0143
Gm10	4731453	4732418	Gmdrm	hyper	CHH	0.0532
Gm10	4765424	4766421	Gmdrm	hyper	CHH	0.0118
Gm10	4818599	4819356	Gmdrm	hyper	CHH	0.0248
Gm10	4823034	4824023	Gmdrm	hyper	CHH	0.0361
Gm10	4837786	4838775	Gmdrm	hyper	CHH	0.0165
Gm10	4894606	4895344	Gmdrm	hyper	CHH	0.0176
Gm10	4914442	4915419	Gmdrm	hyper	CHH	0.0247
Gm10	4916464	4917455	Gmdrm	hyper	CHH	0.017
Gm10	4964877	4965060	Gmdrm	hyper	CHH	0.0267
Gm10	4969690	4970664	Gmdrm	hyper	CHH	0.013
Gm10	5012776	5013776	Gmdrm	hyper	CHH	0.0118
Gm10	5071369	5072359	Gmdrm	hyper	CHH	0.0477

Gm10	5117457	5118377	Gmdrm	hyper	CHH	0.0112
Gm10	5207039	5207568	Gmdrm	hyper	CHH	0.0373
Gm10	5240249	5241241	Gmdrm	hyper	CHH	0.0181
Gm10	5273368	5273438	Gmdrm	hyper	CHH	0.042
Gm10	5382984	5383984	Gmdrm	hyper	CHH	0.0163
Gm10	5408057	5409000	Gmdrm	hyper	CHH	0.0171
Gm10	5409064	5409824	Gmdrm	hyper	CHH	0.0254
Gm10	5428552	5429534	Gmdrm	hyper	CHH	0.0349
Gm10	5432601	5432789	Gmdrm	hyper	CHH	0.0278
Gm10	5467384	5468302	Gmdrm	hyper	CHH	0.0131
Gm10	5470238	5470650	Gmdrm	hyper	CHH	0.025
Gm10	5636734	5637028	Gmdrm	hyper	CHH	0.1191
Gm10	5663992	5664983	Gmdrm	hyper	CHH	0.0344
Gm10	5717147	5717916	Gmdrm	hyper	CHH	0.0264
Gm10	5927217	5928095	Gmdrm	hyper	CHH	0.0169
Gm10	5961397	5962372	Gmdrm	hyper	CHH	0.0228
Gm10	5965346	5965609	Gmdrm	hyper	CHH	0.0752
Gm10	6023741	6024733	Gmdrm	hyper	CHH	0.0184
Gm10	6034348	6034531	Gmdrm	hyper	CHH	0.0389
Gm10	6094885	6095682	Gmdrm	hyper	CHH	0.0178
Gm10	6170030	6171027	Gmdrm	hyper	CHH	0.0316
Gm10	6279678	6280561	Gmdrm	hyper	CHH	0.0625
Gm10	6310959	6310979	Gmdrm	hyper	CHH	0.146
Gm10	6322933	6323930	Gmdrm	hyper	CHH	0.0101
Gm10	6348015	6348278	Gmdrm	hyper	CHH	0.0258
Gm10	6390532	6391501	Gmdrm	hyper	CHH	0.027
Gm10	6397094	6398087	Gmdrm	hyper	CHH	0.0275
Gm10	6439110	6440090	Gmdrm	hyper	CHH	0.0133
Gm10	6505119	6506117	Gmdrm	hyper	CHH	0.0452
Gm10	6575643	6576619	Gmdrm	hyper	CHH	0.0133
Gm10	6581485	6581943	Gmdrm	hyper	CHH	0.0625
Gm10	6613144	6614084	Gmdrm	hyper	CHH	0.0343
Gm10	6631379	6632165	Gmdrm	hyper	CHH	0.0296
Gm10	6656865	6656982	Gmdrm	hyper	CHH	0.0346
Gm10	6657093	6658073	Gmdrm	hyper	CHH	0.0577
Gm10	6674129	6675124	Gmdrm	hyper	CHH	0.0185
Gm10	6756750	6757293	Gmdrm	hyper	CHH	0.0386
Gm10	6792937	6793482	Gmdrm	hyper	CHH	0.019
Gm10	6836510	6837036	Gmdrm	hyper	CHH	0.09
Gm10	6876604	6877584	Gmdrm	hyper	CHH	0.0162
Gm10	6903819	6904816	Gmdrm	hyper	CHH	0.0442
Gm10	6975420	6976411	Gmdrm	hyper	CHH	0.0125
Gm10	7039972	7040952	Gmdrm	hyper	CHH	0.0345
Gm10	7116469	7117388	Gmdrm	hyper	CHH	0.0204
Gm10	7134263	7134925	Gmdrm	hyper	CHH	0.0237
Gm10	7163521	7164518	Gmdrm	hyper	CHH	0.0312

Gm10	7181662	7182654	Gmdrm	hyper	CHH	0.0147
Gm10	7372374	7373373	Gmdrm	hyper	CHH	0.0582
Gm10	7460692	7461666	Gmdrm	hyper	CHH	0.0129
Gm10	7489453	7490451	Gmdrm	hyper	CHH	0.0343
Gm10	7534703	7535688	Gmdrm	hyper	CHH	0.0163
Gm10	7590877	7591871	Gmdrm	hyper	CHH	0.0135
Gm10	7614367	7615365	Gmdrm	hyper	CHH	0.023
Gm10	7622008	7622999	Gmdrm	hyper	CHH	0.066
Gm10	7656339	7657324	Gmdrm	hyper	CHH	0.0248
Gm10	7705704	7706703	Gmdrm	hyper	CHH	0.0174
Gm10	7781035	7781272	Gmdrm	hyper	CHH	0.1134
Gm10	7945110	7945389	Gmdrm	hyper	CHH	0.0866
Gm10	8065498	8065505	Gmdrm	hyper	CHH	0.176
Gm10	8399531	8399738	Gmdrm	hyper	CHH	0.0246
Gm10	8401580	8401940	Gmdrm	hyper	CHH	0.03
Gm10	8414248	8414844	Gmdrm	hyper	CHH	0.0181
Gm10	8431621	8432621	Gmdrm	hyper	CHH	0.0422
Gm10	8540744	8541722	Gmdrm	hyper	CHH	0.0606
Gm10	8597582	8598581	Gmdrm	hyper	CHH	0.03
Gm10	8632156	8633145	Gmdrm	hyper	CHH	0.028
Gm10	8736089	8736402	Gmdrm	hyper	CHH	0.0497
Gm10	8830217	8831210	Gmdrm	hyper	CHH	0.0378
Gm10	8848998	8849803	Gmdrm	hyper	CHH	0.0205
Gm10	8850877	8851647	Gmdrm	hyper	CHH	0.0292
Gm10	8877996	8878310	Gmdrm	hyper	CHH	0.185
Gm10	9008493	9009480	Gmdrm	hyper	CHH	0.0518
Gm10	9036169	9036977	Gmdrm	hyper	CHH	0.013
Gm10	9063101	9064100	Gmdrm	hyper	CHH	0.0158
Gm10	9064107	9065097	Gmdrm	hyper	CHH	0.0742
Gm10	9065142	9066142	Gmdrm	hyper	CHH	0.0689
Gm10	9152731	9153709	Gmdrm	hyper	CHH	0.0398
Gm10	9153755	9154754	Gmdrm	hyper	CHH	0.0588
Gm10	9224599	9225588	Gmdrm	hyper	CHH	0.0196
Gm10	9376478	9376640	Gmdrm	hyper	CHH	0.115
Gm10	9401233	9401781	Gmdrm	hyper	CHH	0.0308
Gm10	9505664	9506663	Gmdrm	hyper	CHH	0.0589
Gm10	9509855	9510855	Gmdrm	hyper	CHH	0.0162
Gm10	9531634	9532354	Gmdrm	hyper	CHH	0.0303
Gm10	9623935	9624018	Gmdrm	hyper	CHH	0.2145
Gm10	9672283	9673244	Gmdrm	hyper	CHH	0.0125
Gm10	9800613	9801161	Gmdrm	hyper	CHH	0.0175
Gm10	9810710	9811710	Gmdrm	hyper	CHH	0.0101
Gm10	9852372	9852895	Gmdrm	hyper	CHH	0.0351
Gm10	9866010	9866064	Gmdrm	hyper	CHH	0.1333
Gm10	9924586	9925582	Gmdrm	hyper	CHH	0.0142
Gm10	10066038	10066088	Gmdrm	hyper	CHH	0.052

Gm10	10217259	10218245	Gmdrm	hyper	CHH	0.0431
Gm10	10259813	10260399	Gmdrm	hyper	CHH	0.0427
Gm10	10280538	10281536	Gmdrm	hyper	CHH	0.0423
Gm10	10321871	10322540	Gmdrm	hyper	CHH	0.0694
Gm10	10491990	10492990	Gmdrm	hyper	CHH	0.0429
Gm10	10578980	10579976	Gmdrm	hyper	CHH	0.0523
Gm10	10607010	10608002	Gmdrm	hyper	CHH	0.0496
Gm10	10708564	10709553	Gmdrm	hyper	CHH	0.0557
Gm10	10785282	10785364	Gmdrm	hyper	CHH	0.333
Gm10	10875309	10876309	Gmdrm	hyper	CHH	0.0395
Gm10	10902587	10903578	Gmdrm	hyper	CHH	0.042
Gm10	10919393	10919740	Gmdrm	hyper	CHH	0.025
Gm10	10961785	10962778	Gmdrm	hyper	CHH	0.0214
Gm10	11314950	11315097	Gmdrm	hyper	CHH	0.2122
Gm10	11341952	11342017	Gmdrm	hyper	CHH	0.1287
Gm10	11605328	11606322	Gmdrm	hyper	CHH	0.0388
Gm10	11821407	11821594	Gmdrm	hyper	CHH	0.0408
Gm10	11946965	11947956	Gmdrm	hyper	CHH	0.0296
Gm10	12079443	12080442	Gmdrm	hyper	CHH	0.0192
Gm10	12109948	12110042	Gmdrm	hyper	CHH	0.076
Gm10	12114469	12115454	Gmdrm	hyper	CHH	0.0312
Gm10	12121663	12122632	Gmdrm	hyper	CHH	0.0772
Gm10	12148164	12149144	Gmdrm	hyper	CHH	0.1073
Gm10	12185188	12185291	Gmdrm	hyper	CHH	0.2955
Gm10	12344623	12345622	Gmdrm	hyper	CHH	0.033
Gm10	12471693	12471993	Gmdrm	hyper	CHH	0.0847
Gm10	12498780	12499778	Gmdrm	hyper	CHH	0.0112
Gm10	12539356	12539882	Gmdrm	hyper	CHH	0.1361
Gm10	12603019	12603291	Gmdrm	hyper	CHH	0.1555
Gm10	12632046	12632880	Gmdrm	hyper	CHH	0.0721
Gm10	12665451	12666433	Gmdrm	hyper	CHH	0.0449
Gm10	12722959	12723898	Gmdrm	hyper	CHH	0.021
Gm10	12801210	12801401	Gmdrm	hyper	CHH	0.0293
Gm10	12846176	12847165	Gmdrm	hyper	CHH	0.0222
Gm10	12935349	12935892	Gmdrm	hyper	CHH	0.0233
Gm10	12936002	12937002	Gmdrm	hyper	CHH	0.0114
Gm10	12937019	12937178	Gmdrm	hyper	CHH	0.0391
Gm10	12963235	12963473	Gmdrm	hyper	CHH	0.137
Gm10	13060748	13061742	Gmdrm	hyper	CHH	0.0141
Gm10	13111658	13112655	Gmdrm	hyper	CHH	0.0348
Gm10	13221329	13221609	Gmdrm	hyper	CHH	0.1109
Gm10	13303476	13304468	Gmdrm	hyper	CHH	0.0246
Gm10	13306578	13307575	Gmdrm	hyper	CHH	0.0157
Gm10	13373155	13374083	Gmdrm	hyper	CHH	0.0304
Gm10	14039509	14039583	Gmdrm	hyper	CHH	0.52
Gm10	14139163	14139353	Gmdrm	hyper	CHH	0.1289

Gm10	14168163	14168772	Gmdrm	hyper	CHH	0.0551
Gm10	14591337	14592327	Gmdrm	hyper	CHH	0.0322
Gm10	14834746	14835731	Gmdrm	hyper	CHH	0.0289
Gm10	14859119	14860117	Gmdrm	hyper	CHH	0.076
Gm10	14989863	14990847	Gmdrm	hyper	CHH	0.0902
Gm10	15049130	15049343	Gmdrm	hyper	CHH	0.1036
Gm10	15301671	15302670	Gmdrm	hyper	CHH	0.0101
Gm10	15405499	15406442	Gmdrm	hyper	CHH	0.0338
Gm10	15997028	15997424	Gmdrm	hyper	CHH	0.0515
Gm10	16107444	16107621	Gmdrm	hyper	CHH	0.1361
Gm10	16161336	16162332	Gmdrm	hyper	CHH	0.0416
Gm10	16478981	16479219	Gmdrm	hyper	CHH	0.0388
Gm10	16544503	16544546	Gmdrm	hyper	CHH	0.2514
Gm10	16689538	16690533	Gmdrm	hyper	CHH	0.0402
Gm10	17208405	17208782	Gmdrm	hyper	CHH	0.1128
Gm10	17791378	17791970	Gmdrm	hyper	CHH	0.0557
Gm10	17808031	17808457	Gmdrm	hyper	CHH	0.1344
Gm10	18076061	18077049	Gmdrm	hyper	CHH	0.014
Gm10	18101378	18102374	Gmdrm	hyper	CHH	0.0466
Gm10	18386150	18387143	Gmdrm	hyper	CHH	0.0387
Gm10	18650685	18651679	Gmdrm	hyper	CHH	0.0197
Gm10	18725729	18726728	Gmdrm	hyper	CHH	0.0529
Gm10	18835103	18836089	Gmdrm	hyper	CHH	0.0321
Gm10	18846084	18846300	Gmdrm	hyper	CHH	0.0793
Gm10	18896852	18897777	Gmdrm	hyper	CHH	0.0519
Gm10	18934120	18934236	Gmdrm	hyper	CHH	0.1822
Gm10	19096349	19097332	Gmdrm	hyper	CHH	0.0303
Gm10	19232869	19233738	Gmdrm	hyper	CHH	0.0898
Gm10	19274196	19274509	Gmdrm	hyper	CHH	0.1389
Gm10	19626028	19626523	Gmdrm	hyper	CHH	0.0272
Gm10	19860646	19861635	Gmdrm	hyper	CHH	0.0357
Gm10	20238914	20239901	Gmdrm	hyper	CHH	0.018
Gm10	20422567	20423557	Gmdrm	hyper	CHH	0.0342
Gm10	20622873	20623077	Gmdrm	hyper	CHH	0.2146
Gm10	20743331	20743750	Gmdrm	hyper	CHH	0.1238
Gm10	20977911	20978013	Gmdrm	hyper	CHH	0.1189
Gm10	21051792	21052678	Gmdrm	hyper	CHH	0.033
Gm10	21061981	21062966	Gmdrm	hyper	CHH	0.0483
Gm10	21065343	21065823	Gmdrm	hyper	CHH	0.1141
Gm10	21066840	21067557	Gmdrm	hyper	CHH	0.0889
Gm10	21071625	21072426	Gmdrm	hyper	CHH	0.0778
Gm10	21072595	21073589	Gmdrm	hyper	CHH	0.0507
Gm10	21073596	21073686	Gmdrm	hyper	CHH	0.071
Gm10	21073799	21074797	Gmdrm	hyper	CHH	0.0733
Gm10	21074816	21075765	Gmdrm	hyper	CHH	0.0482
Gm10	21075825	21076820	Gmdrm	hyper	CHH	0.0553

Gm10	21078722	21078864	Gmdrm	hyper	CHH	0.1637
Gm10	21080683	21081623	Gmdrm	hyper	CHH	0.0532
Gm10	21082253	21082622	Gmdrm	hyper	CHH	0.0587
Gm10	21082729	21083725	Gmdrm	hyper	CHH	0.1064
Gm10	21083914	21084636	Gmdrm	hyper	CHH	0.1431
Gm10	21085053	21086039	Gmdrm	hyper	CHH	0.0408
Gm10	21086416	21087401	Gmdrm	hyper	CHH	0.0775
Gm10	21089981	21090961	Gmdrm	hyper	CHH	0.0446
Gm10	21092684	21093682	Gmdrm	hyper	CHH	0.0398
Gm10	21093691	21094683	Gmdrm	hyper	CHH	0.0364
Gm10	21096770	21097412	Gmdrm	hyper	CHH	0.0603
Gm10	21098823	21099801	Gmdrm	hyper	CHH	0.0717
Gm10	21100521	21101062	Gmdrm	hyper	CHH	0.0354
Gm10	21102231	21103224	Gmdrm	hyper	CHH	0.096
Gm10	21103236	21104233	Gmdrm	hyper	CHH	0.0702
Gm10	21104256	21105255	Gmdrm	hyper	CHH	0.092
Gm10	21106880	21107878	Gmdrm	hyper	CHH	0.0791
Gm10	21107904	21108897	Gmdrm	hyper	CHH	0.0607
Gm10	21109926	21110899	Gmdrm	hyper	CHH	0.0627
Gm10	21113938	21114933	Gmdrm	hyper	CHH	0.0822
Gm10	21114940	21115935	Gmdrm	hyper	CHH	0.0882
Gm10	21115941	21116935	Gmdrm	hyper	CHH	0.0758
Gm10	21116946	21117939	Gmdrm	hyper	CHH	0.0578
Gm10	21117952	21118924	Gmdrm	hyper	CHH	0.0572
Gm10	21118961	21119953	Gmdrm	hyper	CHH	0.0452
Gm10	21122649	21123628	Gmdrm	hyper	CHH	0.0526
Gm10	21123650	21124612	Gmdrm	hyper	CHH	0.097
Gm10	21124666	21125657	Gmdrm	hyper	CHH	0.1051
Gm10	21126345	21127342	Gmdrm	hyper	CHH	0.064
Gm10	21127348	21128337	Gmdrm	hyper	CHH	0.0961
Gm10	21128350	21129349	Gmdrm	hyper	CHH	0.0919
Gm10	21129358	21130232	Gmdrm	hyper	CHH	0.136
Gm10	21130383	21131381	Gmdrm	hyper	CHH	0.0958
Gm10	21131393	21132369	Gmdrm	hyper	CHH	0.1012
Gm10	21132394	21133391	Gmdrm	hyper	CHH	0.0572
Gm10	21133403	21134363	Gmdrm	hyper	CHH	0.0546
Gm10	21134416	21135402	Gmdrm	hyper	CHH	0.1128
Gm10	21135424	21136281	Gmdrm	hyper	CHH	0.0701
Gm10	21137683	21138300	Gmdrm	hyper	CHH	0.063
Gm10	21141816	21142815	Gmdrm	hyper	CHH	0.0461
Gm10	21142830	21143800	Gmdrm	hyper	CHH	0.0351
Gm10	21144189	21144514	Gmdrm	hyper	CHH	0.0827
Gm10	21147830	21148826	Gmdrm	hyper	CHH	0.0543
Gm10	21150974	21151972	Gmdrm	hyper	CHH	0.0826
Gm10	21151976	21152973	Gmdrm	hyper	CHH	0.1334
Gm10	21152982	21153977	Gmdrm	hyper	CHH	0.133

Gm10	21153983	21154982	Gmdrm	hyper	CHH	0.099
Gm10	21154985	21155956	Gmdrm	hyper	CHH	0.0556
Gm10	21160041	21161026	Gmdrm	hyper	CHH	0.0699
Gm10	21161048	21161936	Gmdrm	hyper	CHH	0.0584
Gm10	21163428	21164396	Gmdrm	hyper	CHH	0.0491
Gm10	21165611	21166602	Gmdrm	hyper	CHH	0.0537
Gm10	21166628	21167622	Gmdrm	hyper	CHH	0.0653
Gm10	21167649	21168649	Gmdrm	hyper	CHH	0.0591
Gm10	21168652	21169649	Gmdrm	hyper	CHH	0.0548
Gm10	21169653	21170631	Gmdrm	hyper	CHH	0.0833
Gm10	21171663	21172661	Gmdrm	hyper	CHH	0.0451
Gm10	21172736	21173731	Gmdrm	hyper	CHH	0.059
Gm10	21185370	21186366	Gmdrm	hyper	CHH	0.0427
Gm10	21186371	21187320	Gmdrm	hyper	CHH	0.0434
Gm10	21189425	21190415	Gmdrm	hyper	CHH	0.0461
Gm10	21190429	21191114	Gmdrm	hyper	CHH	0.0635
Gm10	21193293	21194293	Gmdrm	hyper	CHH	0.041
Gm10	21199321	21200316	Gmdrm	hyper	CHH	0.0695
Gm10	21289601	21289664	Gmdrm	hyper	CHH	0.1383
Gm10	21396186	21397186	Gmdrm	hyper	CHH	0.089
Gm10	21399929	21400235	Gmdrm	hyper	CHH	0.1798
Gm10	21432753	21433229	Gmdrm	hyper	CHH	0.1166
Gm10	21536964	21537955	Gmdrm	hyper	CHH	0.0473
Gm10	21709257	21709399	Gmdrm	hyper	CHH	0.13
Gm10	21907641	21907973	Gmdrm	hyper	CHH	0.117
Gm10	21964682	21965682	Gmdrm	hyper	CHH	0.0514
Gm10	22076423	22077311	Gmdrm	hyper	CHH	0.0587
Gm10	22096203	22096252	Gmdrm	hyper	CHH	0.2555
Gm10	22327609	22327656	Gmdrm	hyper	CHH	0.1434
Gm10	22460895	22461728	Gmdrm	hyper	CHH	0.0459
Gm10	22552985	22553424	Gmdrm	hyper	CHH	0.1558
Gm10	22728051	22728821	Gmdrm	hyper	CHH	0.0448
Gm10	22742087	22743086	Gmdrm	hyper	CHH	0.0156
Gm10	22785099	22786098	Gmdrm	hyper	CHH	0.0186
Gm10	23010934	23011186	Gmdrm	hyper	CHH	0.0297
Gm10	23011322	23012315	Gmdrm	hyper	CHH	0.0278
Gm10	23053847	23054844	Gmdrm	hyper	CHH	0.0568
Gm10	23223902	23224897	Gmdrm	hyper	CHH	0.0225
Gm10	23723070	23724069	Gmdrm	hyper	CHH	0.0536
Gm10	23776302	23777298	Gmdrm	hyper	CHH	0.0729
Gm10	23810171	23811169	Gmdrm	hyper	CHH	0.0357
Gm10	23885264	23886245	Gmdrm	hyper	CHH	0.0388
Gm10	23977699	23978587	Gmdrm	hyper	CHH	0.0357
Gm10	24165296	24166283	Gmdrm	hyper	CHH	0.0173
Gm10	24191194	24192193	Gmdrm	hyper	CHH	0.0492
Gm10	24280782	24281115	Gmdrm	hyper	CHH	0.1081

Gm10	24330818	24331813	Gmdrm	hyper	CHH	0.0316
Gm10	24415982	24416509	Gmdrm	hyper	CHH	0.0245
Gm10	24505899	24506897	Gmdrm	hyper	CHH	0.037
Gm10	24723938	24724915	Gmdrm	hyper	CHH	0.0475
Gm10	24837158	24837391	Gmdrm	hyper	CHH	0.1773
Gm10	25019929	25020400	Gmdrm	hyper	CHH	0.0236
Gm10	25102495	25102749	Gmdrm	hyper	CHH	0.0437
Gm10	25109619	25110440	Gmdrm	hyper	CHH	0.0677
Gm10	25176174	25177166	Gmdrm	hyper	CHH	0.0529
Gm10	25279691	25280689	Gmdrm	hyper	CHH	0.0324
Gm10	25325800	25326795	Gmdrm	hyper	CHH	0.0303
Gm10	25362846	25363845	Gmdrm	hyper	CHH	0.0302
Gm10	25371468	25371959	Gmdrm	hyper	CHH	0.0745
Gm10	25387632	25388136	Gmdrm	hyper	CHH	0.0469
Gm10	25517812	25518788	Gmdrm	hyper	CHH	0.0401
Gm10	25554880	25555865	Gmdrm	hyper	CHH	0.0606
Gm10	25575738	25576734	Gmdrm	hyper	CHH	0.0406
Gm10	25612044	25613027	Gmdrm	hyper	CHH	0.0235
Gm10	25640305	25641300	Gmdrm	hyper	CHH	0.0367
Gm10	25644397	25644475	Gmdrm	hyper	CHH	0.2188
Gm10	25693630	25694587	Gmdrm	hyper	CHH	0.0187
Gm10	26017181	26018174	Gmdrm	hyper	CHH	0.0516
Gm10	26156617	26157617	Gmdrm	hyper	CHH	0.0467
Gm10	26342411	26342699	Gmdrm	hyper	CHH	0.0403
Gm10	26356073	26357070	Gmdrm	hyper	CHH	0.0348
Gm10	26447838	26448838	Gmdrm	hyper	CHH	0.0445
Gm10	26652656	26653646	Gmdrm	hyper	CHH	0.0441
Gm10	26770384	26770435	Gmdrm	hyper	CHH	0.19
Gm10	26927742	26928719	Gmdrm	hyper	CHH	0.019
Gm10	26945901	26946480	Gmdrm	hyper	CHH	0.0763
Gm10	27100799	27101739	Gmdrm	hyper	CHH	0.0311
Gm10	27209972	27210340	Gmdrm	hyper	CHH	0.0256
Gm10	27248964	27249944	Gmdrm	hyper	CHH	0.0247
Gm10	27265840	27266823	Gmdrm	hyper	CHH	0.0109
Gm10	27318999	27319998	Gmdrm	hyper	CHH	0.0552
Gm10	27382912	27383226	Gmdrm	hyper	CHH	0.1645
Gm10	27526189	27526662	Gmdrm	hyper	CHH	0.0621
Gm10	27595625	27596600	Gmdrm	hyper	CHH	0.0636
Gm10	27825141	27825744	Gmdrm	hyper	CHH	0.0255
Gm10	28024947	28025911	Gmdrm	hyper	CHH	0.016
Gm10	28150578	28151575	Gmdrm	hyper	CHH	0.013
Gm10	28155881	28156881	Gmdrm	hyper	CHH	0.0263
Gm10	28345482	28346466	Gmdrm	hyper	CHH	0.0135
Gm10	28347551	28348484	Gmdrm	hyper	CHH	0.0232
Gm10	28362169	28362556	Gmdrm	hyper	CHH	0.1184
Gm10	28364952	28365168	Gmdrm	hyper	CHH	0.1441

Gm10	28427308	28428306	Gmdrm	hyper	CHH	0.0413
Gm10	28548676	28549080	Gmdrm	hyper	CHH	0.0544
Gm10	28666481	28667480	Gmdrm	hyper	CHH	0.0411
Gm10	29218667	29219107	Gmdrm	hyper	CHH	0.106
Gm10	29324298	29325284	Gmdrm	hyper	CHH	0.0492
Gm10	29387428	29388418	Gmdrm	hyper	CHH	0.0475
Gm10	29421863	29422858	Gmdrm	hyper	CHH	0.0461
Gm10	29428968	29429956	Gmdrm	hyper	CHH	0.0247
Gm10	29469463	29470459	Gmdrm	hyper	CHH	0.0161
Gm10	29474071	29475031	Gmdrm	hyper	CHH	0.0196
Gm10	29617933	29618025	Gmdrm	hyper	CHH	0.1625
Gm10	29626753	29627753	Gmdrm	hyper	CHH	0.064
Gm10	29758525	29759272	Gmdrm	hyper	CHH	0.019
Gm10	29804469	29805146	Gmdrm	hyper	CHH	0.0669
Gm10	29913881	29914878	Gmdrm	hyper	CHH	0.0232
Gm10	29938753	29939209	Gmdrm	hyper	CHH	0.0959
Gm10	29967970	29968620	Gmdrm	hyper	CHH	0.0608
Gm10	29972370	29973120	Gmdrm	hyper	CHH	0.0158
Gm10	30026778	30027773	Gmdrm	hyper	CHH	0.048
Gm10	30179140	30180123	Gmdrm	hyper	CHH	0.0193
Gm10	30371691	30372688	Gmdrm	hyper	CHH	0.0623
Gm10	30452076	30452269	Gmdrm	hyper	CHH	0.1712
Gm10	30479676	30479984	Gmdrm	hyper	CHH	0.0358
Gm10	30481325	30482311	Gmdrm	hyper	CHH	0.0334
Gm10	30645564	30646516	Gmdrm	hyper	CHH	0.0103
Gm10	30661629	30662628	Gmdrm	hyper	CHH	0.0228
Gm10	30668831	30669318	Gmdrm	hyper	CHH	0.0428
Gm10	30675684	30676673	Gmdrm	hyper	CHH	0.0299
Gm10	30682174	30683173	Gmdrm	hyper	CHH	0.0746
Gm10	30691258	30692258	Gmdrm	hyper	CHH	0.0246
Gm10	30705896	30706713	Gmdrm	hyper	CHH	0.0198
Gm10	30919733	30920729	Gmdrm	hyper	CHH	0.017
Gm10	31061570	31062291	Gmdrm	hyper	CHH	0.0574
Gm10	31087940	31088418	Gmdrm	hyper	CHH	0.0488
Gm10	31105039	31105715	Gmdrm	hyper	CHH	0.0667
Gm10	31113394	31113428	Gmdrm	hyper	CHH	0.2
Gm10	31138382	31139364	Gmdrm	hyper	CHH	0.0521
Gm10	31240921	31241632	Gmdrm	hyper	CHH	0.0585
Gm10	31432968	31433769	Gmdrm	hyper	CHH	0.0388
Gm10	31470867	31471867	Gmdrm	hyper	CHH	0.0448
Gm10	31572535	31573529	Gmdrm	hyper	CHH	0.0203
Gm10	31573549	31574549	Gmdrm	hyper	CHH	0.0215
Gm10	31620977	31621018	Gmdrm	hyper	CHH	0.148
Gm10	31697709	31698080	Gmdrm	hyper	CHH	0.1015
Gm10	31799896	31800890	Gmdrm	hyper	CHH	0.0528
Gm10	31815778	31816775	Gmdrm	hyper	CHH	0.0197

Gm10	31820314	31821293	Gmdrm	hyper	CHH	0.018
Gm10	31896709	31897709	Gmdrm	hyper	CHH	0.0743
Gm10	31966862	31967475	Gmdrm	hyper	CHH	0.0302
Gm10	32104357	32105346	Gmdrm	hyper	CHH	0.0761
Gm10	32139526	32140521	Gmdrm	hyper	CHH	0.0315
Gm10	32164396	32165385	Gmdrm	hyper	CHH	0.0594
Gm10	32171475	32172469	Gmdrm	hyper	CHH	0.0393
Gm10	32181355	32181993	Gmdrm	hyper	CHH	0.0673
Gm10	32208133	32208217	Gmdrm	hyper	CHH	0.1471
Gm10	32356064	32357010	Gmdrm	hyper	CHH	0.0137
Gm10	32365573	32366570	Gmdrm	hyper	CHH	0.047
Gm10	32409693	32410693	Gmdrm	hyper	CHH	0.0401
Gm10	32410695	32411651	Gmdrm	hyper	CHH	0.0454
Gm10	32498007	32499006	Gmdrm	hyper	CHH	0.0277
Gm10	32578090	32578417	Gmdrm	hyper	CHH	0.0336
Gm10	32582008	32583008	Gmdrm	hyper	CHH	0.0248
Gm10	32731503	32732298	Gmdrm	hyper	CHH	0.0305
Gm10	32780206	32781144	Gmdrm	hyper	CHH	0.0176
Gm10	32785249	32786230	Gmdrm	hyper	CHH	0.0193
Gm10	32901214	32901783	Gmdrm	hyper	CHH	0.0729
Gm10	32951757	32952755	Gmdrm	hyper	CHH	0.058
Gm10	33009049	33009159	Gmdrm	hyper	CHH	0.092
Gm10	33055075	33056049	Gmdrm	hyper	CHH	0.0252
Gm10	33062312	33063309	Gmdrm	hyper	CHH	0.0113
Gm10	33204595	33205594	Gmdrm	hyper	CHH	0.03
Gm10	33265469	33265553	Gmdrm	hyper	CHH	0.22
Gm10	33270651	33271264	Gmdrm	hyper	CHH	0.055
Gm10	33290129	33290807	Gmdrm	hyper	CHH	0.0858
Gm10	33324469	33325467	Gmdrm	hyper	CHH	0.0162
Gm10	33344691	33345664	Gmdrm	hyper	CHH	0.0386
Gm10	33511663	33512640	Gmdrm	hyper	CHH	0.0654
Gm10	33744055	33745042	Gmdrm	hyper	CHH	0.0539
Gm10	33799716	33800693	Gmdrm	hyper	CHH	0.0198
Gm10	33829796	33830794	Gmdrm	hyper	CHH	0.0169
Gm10	33874121	33875119	Gmdrm	hyper	CHH	0.0574
Gm10	33890507	33890983	Gmdrm	hyper	CHH	0.0222
Gm10	33952081	33953081	Gmdrm	hyper	CHH	0.0274
Gm10	33970648	33970708	Gmdrm	hyper	CHH	0.0343
Gm10	34029740	34030720	Gmdrm	hyper	CHH	0.0577
Gm10	34030742	34031742	Gmdrm	hyper	CHH	0.1153
Gm10	34057429	34057788	Gmdrm	hyper	CHH	0.1218
Gm10	34082529	34083528	Gmdrm	hyper	CHH	0.0732
Gm10	34154420	34155194	Gmdrm	hyper	CHH	0.0718
Gm10	34169410	34169821	Gmdrm	hyper	CHH	0.0274
Gm10	34230166	34231161	Gmdrm	hyper	CHH	0.0947
Gm10	34587941	34588933	Gmdrm	hyper	CHH	0.0382

Gm10	34745619	34746506	Gmdrm	hyper	CHH	0.0639
Gm10	34789425	34790407	Gmdrm	hyper	CHH	0.0445
Gm10	34805170	34806170	Gmdrm	hyper	CHH	0.0427
Gm10	34838159	34839154	Gmdrm	hyper	CHH	0.0458
Gm10	34886863	34887853	Gmdrm	hyper	CHH	0.0274
Gm10	35009793	35010791	Gmdrm	hyper	CHH	0.0367
Gm10	35189099	35189452	Gmdrm	hyper	CHH	0.0245
Gm10	35249422	35250309	Gmdrm	hyper	CHH	0.0391
Gm10	35253485	35254324	Gmdrm	hyper	CHH	0.0457
Gm10	35254453	35255453	Gmdrm	hyper	CHH	0.0425
Gm10	35261454	35261833	Gmdrm	hyper	CHH	0.0457
Gm10	35282496	35282669	Gmdrm	hyper	CHH	0.1421
Gm10	35335077	35336069	Gmdrm	hyper	CHH	0.0397
Gm10	35336595	35337594	Gmdrm	hyper	CHH	0.0533
Gm10	35347278	35348278	Gmdrm	hyper	CHH	0.0532
Gm10	35365546	35366252	Gmdrm	hyper	CHH	0.0435
Gm10	35366382	35367377	Gmdrm	hyper	CHH	0.0544
Gm10	35375473	35376464	Gmdrm	hyper	CHH	0.0431
Gm10	35397509	35398508	Gmdrm	hyper	CHH	0.0475
Gm10	35427821	35428820	Gmdrm	hyper	CHH	0.0402
Gm10	35431891	35432887	Gmdrm	hyper	CHH	0.0787
Gm10	35480913	35481854	Gmdrm	hyper	CHH	0.0219
Gm10	35513379	35513950	Gmdrm	hyper	CHH	0.0315
Gm10	35799637	35800316	Gmdrm	hyper	CHH	0.0509
Gm10	35821164	35821193	Gmdrm	hyper	CHH	0.2
Gm10	35897714	35898683	Gmdrm	hyper	CHH	0.0142
Gm10	36017265	36018257	Gmdrm	hyper	CHH	0.0218
Gm10	36234852	36235071	Gmdrm	hyper	CHH	0.032
Gm10	36518192	36519173	Gmdrm	hyper	CHH	0.051
Gm10	36544143	36545108	Gmdrm	hyper	CHH	0.0617
Gm10	36591356	36592348	Gmdrm	hyper	CHH	0.0448
Gm10	37100080	37101072	Gmdrm	hyper	CHH	0.0517
Gm10	37115356	37116348	Gmdrm	hyper	CHH	0.0355
Gm10	37148187	37149172	Gmdrm	hyper	CHH	0.0155
Gm10	37204574	37205041	Gmdrm	hyper	CHH	0.0629
Gm10	37227060	37227297	Gmdrm	hyper	CHH	0.1661
Gm10	37300275	37300891	Gmdrm	hyper	CHH	0.0227
Gm10	37303040	37304037	Gmdrm	hyper	CHH	0.0203
Gm10	37308060	37309059	Gmdrm	hyper	CHH	0.0274
Gm10	37343068	37344068	Gmdrm	hyper	CHH	0.0354
Gm10	37545097	37546091	Gmdrm	hyper	CHH	0.0288
Gm10	37575020	37576006	Gmdrm	hyper	CHH	0.0128
Gm10	37581562	37582536	Gmdrm	hyper	CHH	0.0256
Gm10	37657853	37658848	Gmdrm	hyper	CHH	0.0208
Gm10	37664347	37665206	Gmdrm	hyper	CHH	0.0303
Gm10	37671683	37671978	Gmdrm	hyper	CHH	0.0297

Gm10	37751322	37752307	Gmdrm	hyper	CHH	0.0561
Gm10	37760618	37761614	Gmdrm	hyper	CHH	0.0153
Gm10	37862868	37863195	Gmdrm	hyper	CHH	0.0281
Gm10	37977882	37978872	Gmdrm	hyper	CHH	0.0287
Gm10	38038391	38039388	Gmdrm	hyper	CHH	0.0333
Gm10	38109405	38110228	Gmdrm	hyper	CHH	0.0309
Gm10	38276973	38277881	Gmdrm	hyper	CHH	0.0206
Gm10	38277975	38278418	Gmdrm	hyper	CHH	0.0221
Gm10	38316136	38316321	Gmdrm	hyper	CHH	0.035
Gm10	38447090	38448089	Gmdrm	hyper	CHH	0.0102
Gm10	38451911	38452893	Gmdrm	hyper	CHH	0.0211
Gm10	38471199	38472137	Gmdrm	hyper	CHH	0.0149
Gm10	38479414	38480414	Gmdrm	hyper	CHH	0.0277
Gm10	38480440	38480984	Gmdrm	hyper	CHH	0.02
Gm10	38589168	38590150	Gmdrm	hyper	CHH	0.0167
Gm10	38655772	38656716	Gmdrm	hyper	CHH	0.0228
Gm10	38748992	38749701	Gmdrm	hyper	CHH	0.019
Gm10	38755050	38755179	Gmdrm	hyper	CHH	0.0557
Gm10	38863805	38864395	Gmdrm	hyper	CHH	0.0146
Gm10	38909919	38910909	Gmdrm	hyper	CHH	0.0257
Gm10	38952047	38953027	Gmdrm	hyper	CHH	0.0179
Gm10	39120469	39121453	Gmdrm	hyper	CHH	0.0255
Gm10	39155704	39155977	Gmdrm	hyper	CHH	0.0572
Gm10	39166039	39166836	Gmdrm	hyper	CHH	0.0241
Gm10	39199600	39200592	Gmdrm	hyper	CHH	0.0153
Gm10	39208240	39208966	Gmdrm	hyper	CHH	0.0278
Gm10	39226306	39226828	Gmdrm	hyper	CHH	0.0168
Gm10	39244088	39245082	Gmdrm	hyper	CHH	0.0305
Gm10	39250068	39251063	Gmdrm	hyper	CHH	0.0194
Gm10	39328153	39328250	Gmdrm	hyper	CHH	0.03
Gm10	39339716	39340711	Gmdrm	hyper	CHH	0.013
Gm10	39423082	39424067	Gmdrm	hyper	CHH	0.0162
Gm10	39507846	39507893	Gmdrm	hyper	CHH	0.035
Gm10	39533507	39533833	Gmdrm	hyper	CHH	0.0358
Gm10	39544277	39545263	Gmdrm	hyper	CHH	0.0169
Gm10	39556143	39557136	Gmdrm	hyper	CHH	0.0319
Gm10	39557146	39558146	Gmdrm	hyper	CHH	0.0149
Gm10	39576258	39577247	Gmdrm	hyper	CHH	0.0102
Gm10	39584485	39585131	Gmdrm	hyper	CHH	0.0331
Gm10	39714310	39715274	Gmdrm	hyper	CHH	0.0105
Gm10	39723290	39724261	Gmdrm	hyper	CHH	0.0166
Gm10	39756370	39757181	Gmdrm	hyper	CHH	0.0157
Gm10	39769770	39770752	Gmdrm	hyper	CHH	0.0183
Gm10	39788247	39788609	Gmdrm	hyper	CHH	0.0492
Gm10	39813631	39814604	Gmdrm	hyper	CHH	0.0146
Gm10	39817713	39818116	Gmdrm	hyper	CHH	0.0289

Gm10	39855454	39855764	Gmdrm	hyper	CHH	0.043
Gm10	39871993	39872993	Gmdrm	hyper	CHH	0.0169
Gm10	39882527	39882973	Gmdrm	hyper	CHH	0.03
Gm10	39943874	39944063	Gmdrm	hyper	CHH	0.0514
Gm10	40039881	40040840	Gmdrm	hyper	CHH	0.0189
Gm10	40055049	40056014	Gmdrm	hyper	CHH	0.0162
Gm10	40083045	40083543	Gmdrm	hyper	CHH	0.0313
Gm10	40099459	40100435	Gmdrm	hyper	CHH	0.0278
Gm10	40110401	40111386	Gmdrm	hyper	CHH	0.0157
Gm10	40152112	40153106	Gmdrm	hyper	CHH	0.0218
Gm10	40165069	40166061	Gmdrm	hyper	CHH	0.0217
Gm10	40194236	40194539	Gmdrm	hyper	CHH	0.0413
Gm10	40205797	40206778	Gmdrm	hyper	CHH	0.0168
Gm10	40219218	40220211	Gmdrm	hyper	CHH	0.0167
Gm10	40249503	40250329	Gmdrm	hyper	CHH	0.0287
Gm10	40252563	40253559	Gmdrm	hyper	CHH	0.0105
Gm10	40270134	40271129	Gmdrm	hyper	CHH	0.0197
Gm10	40390824	40390974	Gmdrm	hyper	CHH	0.112
Gm10	40487825	40488751	Gmdrm	hyper	CHH	0.0181
Gm10	40499304	40500083	Gmdrm	hyper	CHH	0.0146
Gm10	40529314	40529670	Gmdrm	hyper	CHH	0.0346
Gm10	40656636	40657597	Gmdrm	hyper	CHH	0.0105
Gm10	40686668	40687648	Gmdrm	hyper	CHH	0.0164
Gm10	40707124	40708113	Gmdrm	hyper	CHH	0.0223
Gm10	40708153	40708912	Gmdrm	hyper	CHH	0.0294
Gm10	40732783	40733422	Gmdrm	hyper	CHH	0.0152
Gm10	40788676	40788962	Gmdrm	hyper	CHH	0.0195
Gm10	40808800	40809797	Gmdrm	hyper	CHH	0.0278
Gm10	40844217	40845214	Gmdrm	hyper	CHH	0.022
Gm10	40870852	40871283	Gmdrm	hyper	CHH	0.0267
Gm10	40926108	40927009	Gmdrm	hyper	CHH	0.0253
Gm10	40972050	40973033	Gmdrm	hyper	CHH	0.0165
Gm10	40991231	40991965	Gmdrm	hyper	CHH	0.0189
Gm10	41087791	41087983	Gmdrm	hyper	CHH	0.0271
Gm10	41188279	41188354	Gmdrm	hyper	CHH	0.1829
Gm10	41286902	41287807	Gmdrm	hyper	CHH	0.0193
Gm10	41420162	41420803	Gmdrm	hyper	CHH	0.0208
Gm10	41425045	41425999	Gmdrm	hyper	CHH	0.0286
Gm10	41439067	41440055	Gmdrm	hyper	CHH	0.0222
Gm10	41471667	41472661	Gmdrm	hyper	CHH	0.025
Gm10	41472690	41472925	Gmdrm	hyper	CHH	0.0515
Gm10	41482630	41483630	Gmdrm	hyper	CHH	0.0128
Gm10	41513637	41514618	Gmdrm	hyper	CHH	0.0249
Gm10	41565492	41566161	Gmdrm	hyper	CHH	0.068
Gm10	41578360	41579343	Gmdrm	hyper	CHH	0.02
Gm10	41584043	41584959	Gmdrm	hyper	CHH	0.0219

Gm10	41616487	41616853	Gmdrm	hyper	CHH	0.0453
Gm10	41650607	41651436	Gmdrm	hyper	CHH	0.0188
Gm10	41737085	41737378	Gmdrm	hyper	CHH	0.0233
Gm10	41741969	41742934	Gmdrm	hyper	CHH	0.0236
Gm10	41748009	41748999	Gmdrm	hyper	CHH	0.0191
Gm10	41764028	41764137	Gmdrm	hyper	CHH	0.09
Gm10	41913112	41914112	Gmdrm	hyper	CHH	0.0453
Gm10	41953755	41954730	Gmdrm	hyper	CHH	0.0153
Gm10	41955145	41956140	Gmdrm	hyper	CHH	0.0142
Gm10	41961507	41962480	Gmdrm	hyper	CHH	0.0172
Gm10	41982967	41983944	Gmdrm	hyper	CHH	0.0453
Gm10	42046614	42047501	Gmdrm	hyper	CHH	0.0206
Gm10	42083296	42084014	Gmdrm	hyper	CHH	0.024
Gm10	42118092	42119053	Gmdrm	hyper	CHH	0.015
Gm10	42205835	42206816	Gmdrm	hyper	CHH	0.0201
Gm10	42241194	42242048	Gmdrm	hyper	CHH	0.0182
Gm10	42279323	42280308	Gmdrm	hyper	CHH	0.0192
Gm10	42295898	42296870	Gmdrm	hyper	CHH	0.0157
Gm10	42313239	42314239	Gmdrm	hyper	CHH	0.018
Gm10	42359595	42360556	Gmdrm	hyper	CHH	0.0171
Gm10	42377838	42378819	Gmdrm	hyper	CHH	0.0177
Gm10	42420301	42421300	Gmdrm	hyper	CHH	0.0112
Gm10	42422102	42423092	Gmdrm	hyper	CHH	0.0242
Gm10	42511851	42512827	Gmdrm	hyper	CHH	0.0179
Gm10	42537233	42537332	Gmdrm	hyper	CHH	0.068
Gm10	42600272	42601039	Gmdrm	hyper	CHH	0.0198
Gm10	42649036	42649999	Gmdrm	hyper	CHH	0.0266
Gm10	42677011	42677997	Gmdrm	hyper	CHH	0.0173
Gm10	42705660	42706218	Gmdrm	hyper	CHH	0.0178
Gm10	42735540	42736501	Gmdrm	hyper	CHH	0.0155
Gm10	42761004	42762002	Gmdrm	hyper	CHH	0.0191
Gm10	42786919	42787915	Gmdrm	hyper	CHH	0.017
Gm10	42810936	42811126	Gmdrm	hyper	CHH	0.0627
Gm10	42811231	42812230	Gmdrm	hyper	CHH	0.0177
Gm10	42845794	42846731	Gmdrm	hyper	CHH	0.0273
Gm10	42870379	42870469	Gmdrm	hyper	CHH	0.044
Gm10	42962047	42963024	Gmdrm	hyper	CHH	0.0184
Gm10	42972315	42972498	Gmdrm	hyper	CHH	0.0616
Gm10	42992548	42993527	Gmdrm	hyper	CHH	0.0412
Gm10	43000276	43001273	Gmdrm	hyper	CHH	0.0233
Gm10	43078480	43079466	Gmdrm	hyper	CHH	0.0146
Gm10	43096082	43097078	Gmdrm	hyper	CHH	0.019
Gm10	43154091	43154263	Gmdrm	hyper	CHH	0.1033
Gm10	43154404	43155389	Gmdrm	hyper	CHH	0.02
Gm10	43158307	43158815	Gmdrm	hyper	CHH	0.0332
Gm10	43170294	43171226	Gmdrm	hyper	CHH	0.0251

Gm10	43171913	43172874	Gmdrm	hyper	CHH	0.0164
Gm10	43198620	43199607	Gmdrm	hyper	CHH	0.0197
Gm10	43215123	43216103	Gmdrm	hyper	CHH	0.0263
Gm10	43257502	43258495	Gmdrm	hyper	CHH	0.0127
Gm10	43258509	43259502	Gmdrm	hyper	CHH	0.0165
Gm10	43281130	43281880	Gmdrm	hyper	CHH	0.0158
Gm10	43290896	43291871	Gmdrm	hyper	CHH	0.0467
Gm10	43390380	43391339	Gmdrm	hyper	CHH	0.0344
Gm10	43491353	43492352	Gmdrm	hyper	CHH	0.0145
Gm10	43532722	43533427	Gmdrm	hyper	CHH	0.0351
Gm10	43564707	43565142	Gmdrm	hyper	CHH	0.0415
Gm10	43572890	43573859	Gmdrm	hyper	CHH	0.0192
Gm10	43573928	43574852	Gmdrm	hyper	CHH	0.0191
Gm10	43589426	43590407	Gmdrm	hyper	CHH	0.022
Gm10	43630939	43631372	Gmdrm	hyper	CHH	0.0231
Gm10	43636584	43637584	Gmdrm	hyper	CHH	0.0148
Gm10	43646075	43646783	Gmdrm	hyper	CHH	0.0142
Gm10	43709188	43710181	Gmdrm	hyper	CHH	0.0168
Gm10	43717819	43718759	Gmdrm	hyper	CHH	0.0196
Gm10	43719869	43720217	Gmdrm	hyper	CHH	0.0386
Gm10	43727852	43728828	Gmdrm	hyper	CHH	0.0204
Gm10	43743048	43743807	Gmdrm	hyper	CHH	0.0182
Gm10	43817842	43818842	Gmdrm	hyper	CHH	0.0231
Gm10	43884592	43885564	Gmdrm	hyper	CHH	0.015
Gm10	43899741	43900732	Gmdrm	hyper	CHH	0.0199
Gm10	43932927	43933918	Gmdrm	hyper	CHH	0.0222
Gm10	43993445	43993861	Gmdrm	hyper	CHH	0.0262
Gm10	44060863	44061805	Gmdrm	hyper	CHH	0.0179
Gm10	44091822	44092810	Gmdrm	hyper	CHH	0.0132
Gm10	44099358	44100353	Gmdrm	hyper	CHH	0.0293
Gm10	44112774	44113773	Gmdrm	hyper	CHH	0.0266
Gm10	44116137	44117110	Gmdrm	hyper	CHH	0.0286
Gm10	44166863	44167855	Gmdrm	hyper	CHH	0.024
Gm10	44245547	44246540	Gmdrm	hyper	CHH	0.0133
Gm10	44249614	44250613	Gmdrm	hyper	CHH	0.0327
Gm10	44354647	44355632	Gmdrm	hyper	CHH	0.0138
Gm10	44382165	44383165	Gmdrm	hyper	CHH	0.0176
Gm10	44416918	44417898	Gmdrm	hyper	CHH	0.0196
Gm10	44430349	44431348	Gmdrm	hyper	CHH	0.0195
Gm10	44448485	44448846	Gmdrm	hyper	CHH	0.04
Gm10	44497341	44498292	Gmdrm	hyper	CHH	0.0141
Gm10	44556051	44557047	Gmdrm	hyper	CHH	0.0338
Gm10	44585286	44586277	Gmdrm	hyper	CHH	0.0169
Gm10	44588323	44589314	Gmdrm	hyper	CHH	0.0204
Gm10	44616826	44617785	Gmdrm	hyper	CHH	0.0192
Gm10	44662014	44663002	Gmdrm	hyper	CHH	0.0311

Gm10	44677897	44678856	Gmdrm	hyper	CHH	0.0189
Gm10	44888305	44889288	Gmdrm	hyper	CHH	0.0109
Gm10	44897173	44898166	Gmdrm	hyper	CHH	0.0178
Gm10	45023147	45024146	Gmdrm	hyper	CHH	0.0206
Gm10	45027162	45027908	Gmdrm	hyper	CHH	0.0167
Gm10	45110652	45111635	Gmdrm	hyper	CHH	0.0413
Gm10	45153015	45154015	Gmdrm	hyper	CHH	0.0148
Gm10	45172970	45173473	Gmdrm	hyper	CHH	0.0203
Gm10	45181299	45182291	Gmdrm	hyper	CHH	0.0119
Gm10	45200642	45201627	Gmdrm	hyper	CHH	0.0157
Gm10	45219158	45219862	Gmdrm	hyper	CHH	0.0284
Gm10	45254040	45255023	Gmdrm	hyper	CHH	0.0551
Gm10	45282122	45282761	Gmdrm	hyper	CHH	0.0205
Gm10	45291940	45292176	Gmdrm	hyper	CHH	0.0556
Gm10	45320575	45321132	Gmdrm	hyper	CHH	0.02
Gm10	45416007	45416950	Gmdrm	hyper	CHH	0.0177
Gm10	45425927	45426475	Gmdrm	hyper	CHH	0.0185
Gm10	45429722	45430587	Gmdrm	hyper	CHH	0.0162
Gm10	45548684	45549316	Gmdrm	hyper	CHH	0.031
Gm10	45559302	45560288	Gmdrm	hyper	CHH	0.0153
Gm10	45573012	45573999	Gmdrm	hyper	CHH	0.0233
Gm10	45579311	45580091	Gmdrm	hyper	CHH	0.0269
Gm10	45603013	45603249	Gmdrm	hyper	CHH	0.0253
Gm10	45604716	45605682	Gmdrm	hyper	CHH	0.0204
Gm10	45653643	45654576	Gmdrm	hyper	CHH	0.0338
Gm10	45698879	45699540	Gmdrm	hyper	CHH	0.0151
Gm10	45727286	45727473	Gmdrm	hyper	CHH	0.0318
Gm10	45734947	45735160	Gmdrm	hyper	CHH	0.05
Gm10	45802327	45802531	Gmdrm	hyper	CHH	0.048
Gm10	45844444	45845443	Gmdrm	hyper	CHH	0.0198
Gm10	45871573	45872561	Gmdrm	hyper	CHH	0.0174
Gm10	45886823	45887823	Gmdrm	hyper	CHH	0.0155
Gm10	45923461	45924446	Gmdrm	hyper	CHH	0.0181
Gm10	45925219	45926195	Gmdrm	hyper	CHH	0.0283
Gm10	45988725	45989673	Gmdrm	hyper	CHH	0.0239
Gm10	45989762	45990018	Gmdrm	hyper	CHH	0.0483
Gm10	45992183	45992666	Gmdrm	hyper	CHH	0.031
Gm10	46027419	46027915	Gmdrm	hyper	CHH	0.0227
Gm10	46047327	46047982	Gmdrm	hyper	CHH	0.0302
Gm10	46060991	46061035	Gmdrm	hyper	CHH	0.03
Gm10	46074196	46075178	Gmdrm	hyper	CHH	0.0254
Gm10	46163542	46164539	Gmdrm	hyper	CHH	0.0109
Gm10	46212836	46213827	Gmdrm	hyper	CHH	0.0146
Gm10	46226040	46226570	Gmdrm	hyper	CHH	0.0143
Gm10	46247646	46248642	Gmdrm	hyper	CHH	0.0158
Gm10	46251680	46252668	Gmdrm	hyper	CHH	0.0245

Gm10	46264144	46265142	Gmdrm	hyper	CHH	0.0116
Gm10	46284258	46284720	Gmdrm	hyper	CHH	0.0164
Gm10	46317108	46318098	Gmdrm	hyper	CHH	0.0132
Gm10	46324149	46325149	Gmdrm	hyper	CHH	0.0121
Gm10	46364488	46364965	Gmdrm	hyper	CHH	0.019
Gm10	46398954	46399231	Gmdrm	hyper	CHH	0.0475
Gm10	46402974	46403974	Gmdrm	hyper	CHH	0.0114
Gm10	46449859	46450850	Gmdrm	hyper	CHH	0.0177
Gm10	46461136	46461646	Gmdrm	hyper	CHH	0.0262
Gm10	46516963	46517956	Gmdrm	hyper	CHH	0.0177
Gm10	46537738	46538711	Gmdrm	hyper	CHH	0.0129
Gm10	46552174	46553167	Gmdrm	hyper	CHH	0.0533
Gm10	46553189	46554179	Gmdrm	hyper	CHH	0.0616
Gm10	46611981	46612972	Gmdrm	hyper	CHH	0.013
Gm10	46618731	46618984	Gmdrm	hyper	CHH	0.0263
Gm10	46669496	46670489	Gmdrm	hyper	CHH	0.0212
Gm10	46678012	46678992	Gmdrm	hyper	CHH	0.0161
Gm10	46681856	46682833	Gmdrm	hyper	CHH	0.0147
Gm10	46692669	46693422	Gmdrm	hyper	CHH	0.0142
Gm10	46721371	46722010	Gmdrm	hyper	CHH	0.0173
Gm10	46725460	46726433	Gmdrm	hyper	CHH	0.0417
Gm10	46751408	46752406	Gmdrm	hyper	CHH	0.0147
Gm10	46756610	46756667	Gmdrm	hyper	CHH	0.1216
Gm10	46772064	46772250	Gmdrm	hyper	CHH	0.0538
Gm10	46835911	46836413	Gmdrm	hyper	CHH	0.0528
Gm10	46848901	46849884	Gmdrm	hyper	CHH	0.0274
Gm10	46907409	46908388	Gmdrm	hyper	CHH	0.0194
Gm10	46988571	46989275	Gmdrm	hyper	CHH	0.0133
Gm10	47011349	47011751	Gmdrm	hyper	CHH	0.0206
Gm10	47033637	47034633	Gmdrm	hyper	CHH	0.0134
Gm10	47035231	47035997	Gmdrm	hyper	CHH	0.0158
Gm10	47039370	47039706	Gmdrm	hyper	CHH	0.0283
Gm10	47139302	47139981	Gmdrm	hyper	CHH	0.0358
Gm10	47164471	47165371	Gmdrm	hyper	CHH	0.0196
Gm10	47191735	47192035	Gmdrm	hyper	CHH	0.0323
Gm10	47245205	47246203	Gmdrm	hyper	CHH	0.0315
Gm10	47273368	47274345	Gmdrm	hyper	CHH	0.0146
Gm10	47310717	47311670	Gmdrm	hyper	CHH	0.0202
Gm10	47343675	47344498	Gmdrm	hyper	CHH	0.0168
Gm10	47397260	47397379	Gmdrm	hyper	CHH	0.0222
Gm10	47405360	47406348	Gmdrm	hyper	CHH	0.0178
Gm10	47435230	47435416	Gmdrm	hyper	CHH	0.0461
Gm10	47473131	47474101	Gmdrm	hyper	CHH	0.02
Gm10	47487019	47488018	Gmdrm	hyper	CHH	0.0198
Gm10	47507804	47508771	Gmdrm	hyper	CHH	0.0174
Gm10	47529137	47530129	Gmdrm	hyper	CHH	0.018

Gm10	47535172	47535505	Gmdrm	hyper	CHH	0.0276
Gm10	47542731	47543693	Gmdrm	hyper	CHH	0.0131
Gm10	47557830	47558756	Gmdrm	hyper	CHH	0.0359
Gm10	47584700	47585690	Gmdrm	hyper	CHH	0.016
Gm10	47746352	47747326	Gmdrm	hyper	CHH	0.0149
Gm10	47811649	47812587	Gmdrm	hyper	CHH	0.0156
Gm10	47814161	47815058	Gmdrm	hyper	CHH	0.0254
Gm10	47820198	47820563	Gmdrm	hyper	CHH	0.0428
Gm10	47828783	47829159	Gmdrm	hyper	CHH	0.0238
Gm10	47845809	47846780	Gmdrm	hyper	CHH	0.0195
Gm10	47848628	47849579	Gmdrm	hyper	CHH	0.0263
Gm10	47916792	47917051	Gmdrm	hyper	CHH	0.0463
Gm10	47927046	47927897	Gmdrm	hyper	CHH	0.0388
Gm10	47963330	47964021	Gmdrm	hyper	CHH	0.0182
Gm10	47984773	47985747	Gmdrm	hyper	CHH	0.0201
Gm10	47990630	47990828	Gmdrm	hyper	CHH	0.026
Gm10	47995283	47995917	Gmdrm	hyper	CHH	0.0432
Gm10	48009052	48009956	Gmdrm	hyper	CHH	0.0446
Gm10	48025382	48026291	Gmdrm	hyper	CHH	0.022
Gm10	48026430	48027368	Gmdrm	hyper	CHH	0.0185
Gm10	48066317	48067312	Gmdrm	hyper	CHH	0.0098
Gm10	48078530	48079504	Gmdrm	hyper	CHH	0.0171
Gm10	48107877	48108816	Gmdrm	hyper	CHH	0.0157
Gm10	48160293	48161278	Gmdrm	hyper	CHH	0.0424
Gm10	48192193	48193153	Gmdrm	hyper	CHH	0.0229
Gm10	48209714	48210693	Gmdrm	hyper	CHH	0.0601
Gm10	48215463	48215776	Gmdrm	hyper	CHH	0.0374
Gm10	48219333	48219895	Gmdrm	hyper	CHH	0.0267
Gm10	48222368	48223338	Gmdrm	hyper	CHH	0.0167
Gm10	48225418	48226002	Gmdrm	hyper	CHH	0.0174
Gm10	48253849	48254233	Gmdrm	hyper	CHH	0.0258
Gm10	48280645	48281615	Gmdrm	hyper	CHH	0.0146
Gm10	48286882	48287156	Gmdrm	hyper	CHH	0.0377
Gm10	48333551	48334489	Gmdrm	hyper	CHH	0.0162
Gm10	48341064	48342035	Gmdrm	hyper	CHH	0.0751
Gm10	48389913	48390903	Gmdrm	hyper	CHH	0.0218
Gm10	48399452	48399708	Gmdrm	hyper	CHH	0.0639
Gm10	48405663	48406496	Gmdrm	hyper	CHH	0.0139
Gm10	48415217	48416190	Gmdrm	hyper	CHH	0.0246
Gm10	48430149	48431100	Gmdrm	hyper	CHH	0.02
Gm10	48441025	48442008	Gmdrm	hyper	CHH	0.0179
Gm10	48504866	48505636	Gmdrm	hyper	CHH	0.0209
Gm10	48507728	48508153	Gmdrm	hyper	CHH	0.028
Gm10	48523001	48523667	Gmdrm	hyper	CHH	0.0409
Gm10	48524451	48524645	Gmdrm	hyper	CHH	0.0378
Gm10	48624946	48625937	Gmdrm	hyper	CHH	0.033

Gm10	48709314	48709835	Gmdrm	hyper	CHH	0.0369
Gm10	48735865	48736864	Gmdrm	hyper	CHH	0.0131
Gm10	48796374	48796557	Gmdrm	hyper	CHH	0.0238
Gm10	48809716	48810669	Gmdrm	hyper	CHH	0.0214
Gm10	48812792	48813760	Gmdrm	hyper	CHH	0.0147
Gm10	48823674	48824669	Gmdrm	hyper	CHH	0.022
Gm10	48824677	48825633	Gmdrm	hyper	CHH	0.0228
Gm10	48882617	48883551	Gmdrm	hyper	CHH	0.0287
Gm10	48923801	48924798	Gmdrm	hyper	CHH	0.0102
Gm10	48933205	48934201	Gmdrm	hyper	CHH	0.0156
Gm10	48942791	48943646	Gmdrm	hyper	CHH	0.0248
Gm10	48953369	48954334	Gmdrm	hyper	CHH	0.0145
Gm10	48976146	48976792	Gmdrm	hyper	CHH	0.018
Gm10	48996113	48997113	Gmdrm	hyper	CHH	0.0134
Gm10	48998261	48999231	Gmdrm	hyper	CHH	0.0165
Gm10	49016208	49016371	Gmdrm	hyper	CHH	0.0534
Gm10	49044679	49044782	Gmdrm	hyper	CHH	0.0306
Gm10	49052182	49053163	Gmdrm	hyper	CHH	0.039
Gm10	49065494	49066464	Gmdrm	hyper	CHH	0.0154
Gm10	49191176	49191852	Gmdrm	hyper	CHH	0.0214
Gm10	49207549	49208423	Gmdrm	hyper	CHH	0.021
Gm10	49211245	49211618	Gmdrm	hyper	CHH	0.0811
Gm10	49212759	49213751	Gmdrm	hyper	CHH	0.0118
Gm10	49265413	49266407	Gmdrm	hyper	CHH	0.015
Gm10	49321121	49322050	Gmdrm	hyper	CHH	0.0129
Gm10	49349955	49350936	Gmdrm	hyper	CHH	0.0226
Gm10	49378910	49379896	Gmdrm	hyper	CHH	0.0234
Gm10	49392049	49393048	Gmdrm	hyper	CHH	0.0292
Gm10	49400742	49401741	Gmdrm	hyper	CHH	0.0157
Gm10	49467327	49468307	Gmdrm	hyper	CHH	0.0121
Gm10	49505234	49505869	Gmdrm	hyper	CHH	0.0251
Gm10	49549942	49550937	Gmdrm	hyper	CHH	0.0209
Gm10	49599157	49600148	Gmdrm	hyper	CHH	0.0175
Gm10	49620943	49621218	Gmdrm	hyper	CHH	0.0476
Gm10	49624122	49625102	Gmdrm	hyper	CHH	0.0153
Gm10	49628353	49629325	Gmdrm	hyper	CHH	0.0143
Gm10	49634578	49635559	Gmdrm	hyper	CHH	0.0193
Gm10	49654735	49654985	Gmdrm	hyper	CHH	0.0369
Gm10	49655760	49656741	Gmdrm	hyper	CHH	0.0233
Gm10	49708961	49709042	Gmdrm	hyper	CHH	0.1
Gm10	49715795	49716782	Gmdrm	hyper	CHH	0.0144
Gm10	49721200	49721378	Gmdrm	hyper	CHH	0.1033
Gm10	49799297	49800297	Gmdrm	hyper	CHH	0.0541
Gm10	49813654	49814639	Gmdrm	hyper	CHH	0.0232
Gm10	49856071	49857071	Gmdrm	hyper	CHH	0.0165
Gm10	49858805	49858982	Gmdrm	hyper	CHH	0.034

Gm10	49948594	49949593	Gmdrm	hyper	CHH	0.017
Gm10	49967709	49968704	Gmdrm	hyper	CHH	0.0232
Gm10	50006208	50006327	Gmdrm	hyper	CHH	0.06
Gm10	50006480	50007476	Gmdrm	hyper	CHH	0.0254
Gm10	50035146	50035468	Gmdrm	hyper	CHH	0.0264
Gm10	50036612	50037237	Gmdrm	hyper	CHH	0.0314
Gm10	50081427	50081809	Gmdrm	hyper	CHH	0.0333
Gm10	50086495	50086569	Gmdrm	hyper	CHH	0.0533
Gm10	50088578	50089559	Gmdrm	hyper	CHH	0.0233
Gm10	50097180	50098133	Gmdrm	hyper	CHH	0.023
Gm10	50116392	50116518	Gmdrm	hyper	CHH	0.0413
Gm10	50171298	50171534	Gmdrm	hyper	CHH	0.043
Gm10	50198562	50198678	Gmdrm	hyper	CHH	0.03
Gm10	50204525	50205507	Gmdrm	hyper	CHH	0.0206
Gm10	50213082	50213860	Gmdrm	hyper	CHH	0.0345
Gm10	50215859	50215927	Gmdrm	hyper	CHH	0.05
Gm10	50313998	50314995	Gmdrm	hyper	CHH	0.0236
Gm10	50377226	50378068	Gmdrm	hyper	CHH	0.0267
Gm10	50474169	50475169	Gmdrm	hyper	CHH	0.0289
Gm10	50498153	50499111	Gmdrm	hyper	CHH	0.0354
Gm10	50509155	50509301	Gmdrm	hyper	CHH	0.0246
Gm10	50563014	50563984	Gmdrm	hyper	CHH	0.0234
Gm10	50567301	50568293	Gmdrm	hyper	CHH	0.0241
Gm10	50610903	50611617	Gmdrm	hyper	CHH	0.0269
Gm10	50706432	50706834	Gmdrm	hyper	CHH	0.0169
Gm10	50711886	50712242	Gmdrm	hyper	CHH	0.0189
Gm10	50785449	50786425	Gmdrm	hyper	CHH	0.0155
Gm10	50803432	50804420	Gmdrm	hyper	CHH	0.0136
Gm10	50804440	50805382	Gmdrm	hyper	CHH	0.0145
Gm10	50872217	50873182	Gmdrm	hyper	CHH	0.0111
Gm10	50897930	50898903	Gmdrm	hyper	CHH	0.018
Gm10	50911212	50912155	Gmdrm	hyper	CHH	0.0209
Gm10	50923253	50924175	Gmdrm	hyper	CHH	0.0375
Gm10	50948307	50948848	Gmdrm	hyper	CHH	0.0305
Gm10	51015865	51016108	Gmdrm	hyper	CHH	0.0613
Gm10	51031694	51032638	Gmdrm	hyper	CHH	0.0113
Gm10	51064535	51064746	Gmdrm	hyper	CHH	0.0374
Gm10	51066407	51067405	Gmdrm	hyper	CHH	0.0297
Gm10	51101758	51102711	Gmdrm	hyper	CHH	0.0231
Gm10	51167026	51167267	Gmdrm	hyper	CHH	0.0636
Gm10	51167837	51168791	Gmdrm	hyper	CHH	0.0127
Gm10	51218172	51218938	Gmdrm	hyper	CHH	0.0168
Gm10	51266716	51266874	Gmdrm	hyper	CHH	0.094
Gm10	51281660	51282659	Gmdrm	hyper	CHH	0.0176
Gm10	51359123	51360102	Gmdrm	hyper	CHH	0.0318
Gm10	51371720	51372719	Gmdrm	hyper	CHH	0.0153

Gm10	51409447	51410447	Gmdrm	hyper	CHH	0.0399
Gm10	51438612	51439610	Gmdrm	hyper	CHH	0.0215
Gm10	51495793	51496655	Gmdrm	hyper	CHH	0.0281
Gm10	51600832	51601801	Gmdrm	hyper	CHH	0.0122
Gm10	51603880	51604845	Gmdrm	hyper	CHH	0.0227
Gm10	51617932	51618923	Gmdrm	hyper	CHH	0.018
Gm10_scaffol	18283	19218	Gmdrm	hyper	CHH	0.0228
Gm10_scaffol	10464	10621	Gmdrm	hyper	CHH	0.1167
Gm10_scaffol	25313	26304	Gmdrm	hyper	CHH	0.0219
Gm11	16032	17028	Gmdrm	hyper	CHH	0.0227
Gm11	22526	22839	Gmdrm	hyper	CHH	0.0596
Gm11	34169	34512	Gmdrm	hyper	CHH	0.018
Gm11	44358	45356	Gmdrm	hyper	CHH	0.0114
Gm11	57442	58436	Gmdrm	hyper	CHH	0.013
Gm11	74784	75779	Gmdrm	hyper	CHH	0.0185
Gm11	76617	77615	Gmdrm	hyper	CHH	0.0395
Gm11	109126	109920	Gmdrm	hyper	CHH	0.027
Gm11	115048	116013	Gmdrm	hyper	CHH	0.0215
Gm11	196291	197284	Gmdrm	hyper	CHH	0.0358
Gm11	205887	206355	Gmdrm	hyper	CHH	0.0224
Gm11	253902	254862	Gmdrm	hyper	CHH	0.0152
Gm11	264913	265905	Gmdrm	hyper	CHH	0.021
Gm11	374454	375448	Gmdrm	hyper	CHH	0.0236
Gm11	412626	413602	Gmdrm	hyper	CHH	0.0172
Gm11	415417	416409	Gmdrm	hyper	CHH	0.0258
Gm11	446658	447645	Gmdrm	hyper	CHH	0.0216
Gm11	455065	456060	Gmdrm	hyper	CHH	0.0133
Gm11	527018	528000	Gmdrm	hyper	CHH	0.0286
Gm11	553584	554572	Gmdrm	hyper	CHH	0.0125
Gm11	554597	555578	Gmdrm	hyper	CHH	0.0159
Gm11	618707	619342	Gmdrm	hyper	CHH	0.0297
Gm11	628533	629529	Gmdrm	hyper	CHH	0.0157
Gm11	645089	646082	Gmdrm	hyper	CHH	0.066
Gm11	650356	650573	Gmdrm	hyper	CHH	0.042
Gm11	671996	672976	Gmdrm	hyper	CHH	0.0138
Gm11	673024	674011	Gmdrm	hyper	CHH	0.0178
Gm11	680104	681099	Gmdrm	hyper	CHH	0.0295
Gm11	752399	753371	Gmdrm	hyper	CHH	0.0267
Gm11	764763	765717	Gmdrm	hyper	CHH	0.029
Gm11	853227	853640	Gmdrm	hyper	CHH	0.0226
Gm11	872910	873899	Gmdrm	hyper	CHH	0.0178
Gm11	877976	878953	Gmdrm	hyper	CHH	0.0204
Gm11	909983	910980	Gmdrm	hyper	CHH	0.0149
Gm11	911892	912820	Gmdrm	hyper	CHH	0.019
Gm11	940183	940245	Gmdrm	hyper	CHH	0.1133
Gm11	988307	989281	Gmdrm	hyper	CHH	0.013

Gm11	998570	999566	Gmdrm	hyper	CHH	0.02
Gm11	1039439	1040143	Gmdrm	hyper	CHH	0.0268
Gm11	1047068	1048051	Gmdrm	hyper	CHH	0.009
Gm11	1048259	1049258	Gmdrm	hyper	CHH	0.0216
Gm11	1074375	1075362	Gmdrm	hyper	CHH	0.0111
Gm11	1109877	1110863	Gmdrm	hyper	CHH	0.0188
Gm11	1133792	1134784	Gmdrm	hyper	CHH	0.0177
Gm11	1136859	1137127	Gmdrm	hyper	CHH	0.0276
Gm11	1150256	1150699	Gmdrm	hyper	CHH	0.042
Gm11	1224546	1225546	Gmdrm	hyper	CHH	0.0129
Gm11	1229972	1230960	Gmdrm	hyper	CHH	0.0193
Gm11	1246834	1247832	Gmdrm	hyper	CHH	0.0219
Gm11	1247840	1248822	Gmdrm	hyper	CHH	0.01
Gm11	1268371	1269366	Gmdrm	hyper	CHH	0.0142
Gm11	1327841	1328831	Gmdrm	hyper	CHH	0.0269
Gm11	1336039	1337037	Gmdrm	hyper	CHH	0.0126
Gm11	1352033	1353020	Gmdrm	hyper	CHH	0.0149
Gm11	1357685	1358655	Gmdrm	hyper	CHH	0.0171
Gm11	1362744	1362997	Gmdrm	hyper	CHH	0.0284
Gm11	1380305	1380808	Gmdrm	hyper	CHH	0.0339
Gm11	1473865	1474036	Gmdrm	hyper	CHH	0.0737
Gm11	1482919	1483914	Gmdrm	hyper	CHH	0.0498
Gm11	1487215	1487422	Gmdrm	hyper	CHH	0.0492
Gm11	1497747	1498737	Gmdrm	hyper	CHH	0.0238
Gm11	1603891	1604869	Gmdrm	hyper	CHH	0.0178
Gm11	1662112	1662362	Gmdrm	hyper	CHH	0.045
Gm11	1693685	1694372	Gmdrm	hyper	CHH	0.0227
Gm11	1755534	1756529	Gmdrm	hyper	CHH	0.0147
Gm11	1783145	1784127	Gmdrm	hyper	CHH	0.0135
Gm11	1784149	1785146	Gmdrm	hyper	CHH	0.0215
Gm11	1790879	1791876	Gmdrm	hyper	CHH	0.0268
Gm11	1833144	1834142	Gmdrm	hyper	CHH	0.0167
Gm11	1896700	1897655	Gmdrm	hyper	CHH	0.0088
Gm11	1908133	1908287	Gmdrm	hyper	CHH	0.088
Gm11	1919007	1919939	Gmdrm	hyper	CHH	0.0318
Gm11	2034494	2035488	Gmdrm	hyper	CHH	0.0115
Gm11	2054167	2055155	Gmdrm	hyper	CHH	0.0172
Gm11	2070428	2070533	Gmdrm	hyper	CHH	0.0791
Gm11	2070639	2070772	Gmdrm	hyper	CHH	0.12
Gm11	2072348	2072735	Gmdrm	hyper	CHH	0.105
Gm11	2087586	2088581	Gmdrm	hyper	CHH	0.0119
Gm11	2117891	2118868	Gmdrm	hyper	CHH	0.0203
Gm11	2159544	2160541	Gmdrm	hyper	CHH	0.0132
Gm11	2172978	2173958	Gmdrm	hyper	CHH	0.0181
Gm11	2208644	2209610	Gmdrm	hyper	CHH	0.0202
Gm11	2210501	2211489	Gmdrm	hyper	CHH	0.0162

Gm11	2242817	2243794	Gmdrm	hyper	CHH	0.0172
Gm11	2272478	2273166	Gmdrm	hyper	CHH	0.0145
Gm11	2314549	2314664	Gmdrm	hyper	CHH	0.0886
Gm11	2337896	2338894	Gmdrm	hyper	CHH	0.023
Gm11	2345693	2346648	Gmdrm	hyper	CHH	0.0133
Gm11	2356772	2357439	Gmdrm	hyper	CHH	0.0309
Gm11	2433363	2434315	Gmdrm	hyper	CHH	0.0291
Gm11	2456416	2457397	Gmdrm	hyper	CHH	0.026
Gm11	2495148	2495339	Gmdrm	hyper	CHH	0.0267
Gm11	2517470	2518470	Gmdrm	hyper	CHH	0.0285
Gm11	2589583	2590264	Gmdrm	hyper	CHH	0.018
Gm11	2594380	2595353	Gmdrm	hyper	CHH	0.0268
Gm11	2608788	2609781	Gmdrm	hyper	CHH	0.0207
Gm11	2613980	2614141	Gmdrm	hyper	CHH	0.0758
Gm11	2636724	2637713	Gmdrm	hyper	CHH	0.0174
Gm11	2653966	2654178	Gmdrm	hyper	CHH	0.0534
Gm11	2666440	2666477	Gmdrm	hyper	CHH	0.0425
Gm11	2711150	2712135	Gmdrm	hyper	CHH	0.0178
Gm11	2786335	2787217	Gmdrm	hyper	CHH	0.0369
Gm11	2800304	2801304	Gmdrm	hyper	CHH	0.0186
Gm11	2801309	2801567	Gmdrm	hyper	CHH	0.1214
Gm11	2818014	2818547	Gmdrm	hyper	CHH	0.0569
Gm11	2834238	2835237	Gmdrm	hyper	CHH	0.0439
Gm11	2849526	2850494	Gmdrm	hyper	CHH	0.0213
Gm11	3001319	3002319	Gmdrm	hyper	CHH	0.0201
Gm11	3035710	3036487	Gmdrm	hyper	CHH	0.0299
Gm11	3124226	3125214	Gmdrm	hyper	CHH	0.0425
Gm11	3128031	3128956	Gmdrm	hyper	CHH	0.0186
Gm11	3314559	3314946	Gmdrm	hyper	CHH	0.0507
Gm11	3349314	3350072	Gmdrm	hyper	CHH	0.0184
Gm11	3357305	3358300	Gmdrm	hyper	CHH	0.0111
Gm11	3403945	3404931	Gmdrm	hyper	CHH	0.0168
Gm11	3411053	3411958	Gmdrm	hyper	CHH	0.0322
Gm11	3439508	3440490	Gmdrm	hyper	CHH	0.0125
Gm11	3473428	3474395	Gmdrm	hyper	CHH	0.0351
Gm11	3514685	3515673	Gmdrm	hyper	CHH	0.0328
Gm11	3570377	3570605	Gmdrm	hyper	CHH	0.0544
Gm11	3575045	3576039	Gmdrm	hyper	CHH	0.0122
Gm11	3579034	3580029	Gmdrm	hyper	CHH	0.0384
Gm11	3617211	3618197	Gmdrm	hyper	CHH	0.0132
Gm11	3644336	3645298	Gmdrm	hyper	CHH	0.0156
Gm11	3716274	3717032	Gmdrm	hyper	CHH	0.0369
Gm11	3733143	3734137	Gmdrm	hyper	CHH	0.0347
Gm11	3813220	3814209	Gmdrm	hyper	CHH	0.0338
Gm11	3949966	3950488	Gmdrm	hyper	CHH	0.05
Gm11	3950898	3951192	Gmdrm	hyper	CHH	0.0336

Gm11	3955640	3955964	Gmdrm	hyper	CHH	0.034
Gm11	3963506	3964469	Gmdrm	hyper	CHH	0.0132
Gm11	3965582	3966573	Gmdrm	hyper	CHH	0.0237
Gm11	4127763	4128430	Gmdrm	hyper	CHH	0.034
Gm11	4188784	4189766	Gmdrm	hyper	CHH	0.0327
Gm11	4268483	4269481	Gmdrm	hyper	CHH	0.0283
Gm11	4344595	4345592	Gmdrm	hyper	CHH	0.0195
Gm11	4345603	4346583	Gmdrm	hyper	CHH	0.0375
Gm11	4414685	4415684	Gmdrm	hyper	CHH	0.0285
Gm11	4415690	4416685	Gmdrm	hyper	CHH	0.0279
Gm11	4422396	4423396	Gmdrm	hyper	CHH	0.0224
Gm11	4449625	4450593	Gmdrm	hyper	CHH	0.033
Gm11	4474077	4475054	Gmdrm	hyper	CHH	0.0166
Gm11	4537318	4538285	Gmdrm	hyper	CHH	0.0152
Gm11	4540573	4541005	Gmdrm	hyper	CHH	0.0412
Gm11	4546894	4546929	Gmdrm	hyper	CHH	0.052
Gm11	4739773	4740769	Gmdrm	hyper	CHH	0.0323
Gm11	4744787	4745785	Gmdrm	hyper	CHH	0.0267
Gm11	4747470	4748454	Gmdrm	hyper	CHH	0.0146
Gm11	4776990	4777987	Gmdrm	hyper	CHH	0.0258
Gm11	4792519	4793510	Gmdrm	hyper	CHH	0.0127
Gm11	4793542	4793913	Gmdrm	hyper	CHH	0.037
Gm11	4798373	4798538	Gmdrm	hyper	CHH	0.046
Gm11	4817679	4818679	Gmdrm	hyper	CHH	0.0164
Gm11	4893394	4894381	Gmdrm	hyper	CHH	0.0227
Gm11	4894396	4895287	Gmdrm	hyper	CHH	0.018
Gm11	4960627	4961627	Gmdrm	hyper	CHH	0.0228
Gm11	5002294	5003294	Gmdrm	hyper	CHH	0.0157
Gm11	5012551	5013541	Gmdrm	hyper	CHH	0.0269
Gm11	5083749	5084729	Gmdrm	hyper	CHH	0.0149
Gm11	5095242	5095346	Gmdrm	hyper	CHH	0.0193
Gm11	5188726	5189724	Gmdrm	hyper	CHH	0.0102
Gm11	5189730	5190728	Gmdrm	hyper	CHH	0.0266
Gm11	5242383	5243330	Gmdrm	hyper	CHH	0.0199
Gm11	5381650	5382636	Gmdrm	hyper	CHH	0.0153
Gm11	5413235	5413350	Gmdrm	hyper	CHH	0.0383
Gm11	5416596	5417565	Gmdrm	hyper	CHH	0.0189
Gm11	5431693	5432686	Gmdrm	hyper	CHH	0.0196
Gm11	5482343	5483325	Gmdrm	hyper	CHH	0.0154
Gm11	5497802	5498777	Gmdrm	hyper	CHH	0.015
Gm11	5502773	5503773	Gmdrm	hyper	CHH	0.0281
Gm11	5521778	5522045	Gmdrm	hyper	CHH	0.1029
Gm11	5540062	5541058	Gmdrm	hyper	CHH	0.0168
Gm11	5548252	5549244	Gmdrm	hyper	CHH	0.0164
Gm11	5567184	5568174	Gmdrm	hyper	CHH	0.0216
Gm11	5633959	5634323	Gmdrm	hyper	CHH	0.0266

Gm11	5646654	5647393	Gmdrm	hyper	CHH	0.0145
Gm11	5684853	5685839	Gmdrm	hyper	CHH	0.0208
Gm11	5778256	5778479	Gmdrm	hyper	CHH	0.04
Gm11	5805279	5806257	Gmdrm	hyper	CHH	0.0167
Gm11	5833446	5833893	Gmdrm	hyper	CHH	0.0298
Gm11	5834013	5834994	Gmdrm	hyper	CHH	0.0177
Gm11	5840039	5841015	Gmdrm	hyper	CHH	0.016
Gm11	5863740	5863961	Gmdrm	hyper	CHH	0.0268
Gm11	5892238	5893232	Gmdrm	hyper	CHH	0.0298
Gm11	5968216	5969204	Gmdrm	hyper	CHH	0.0149
Gm11	6027669	6028662	Gmdrm	hyper	CHH	0.0191
Gm11	6028672	6029302	Gmdrm	hyper	CHH	0.0196
Gm11	6030420	6031407	Gmdrm	hyper	CHH	0.0239
Gm11	6050900	6051311	Gmdrm	hyper	CHH	0.0561
Gm11	6083300	6084292	Gmdrm	hyper	CHH	0.0276
Gm11	6135997	6136483	Gmdrm	hyper	CHH	0.0268
Gm11	6163088	6163366	Gmdrm	hyper	CHH	0.04
Gm11	6196955	6197739	Gmdrm	hyper	CHH	0.0405
Gm11	6235454	6235607	Gmdrm	hyper	CHH	0.0258
Gm11	6329994	6330969	Gmdrm	hyper	CHH	0.0181
Gm11	6467046	6468046	Gmdrm	hyper	CHH	0.0232
Gm11	6503469	6504420	Gmdrm	hyper	CHH	0.0212
Gm11	6569056	6570051	Gmdrm	hyper	CHH	0.0249
Gm11	6570093	6571088	Gmdrm	hyper	CHH	0.0171
Gm11	6595164	6596148	Gmdrm	hyper	CHH	0.0152
Gm11	6599849	6600846	Gmdrm	hyper	CHH	0.0314
Gm11	6634274	6635265	Gmdrm	hyper	CHH	0.0121
Gm11	6659133	6660110	Gmdrm	hyper	CHH	0.0117
Gm11	6671944	6672932	Gmdrm	hyper	CHH	0.0287
Gm11	6724095	6724513	Gmdrm	hyper	CHH	0.0291
Gm11	6731087	6731783	Gmdrm	hyper	CHH	0.0247
Gm11	6732978	6733937	Gmdrm	hyper	CHH	0.0141
Gm11	6748099	6748267	Gmdrm	hyper	CHH	0.0423
Gm11	6760745	6761738	Gmdrm	hyper	CHH	0.012
Gm11	6773943	6774171	Gmdrm	hyper	CHH	0.0411
Gm11	6775168	6775214	Gmdrm	hyper	CHH	0.064
Gm11	6902714	6903710	Gmdrm	hyper	CHH	0.022
Gm11	6912724	6913537	Gmdrm	hyper	CHH	0.0165
Gm11	6926804	6927740	Gmdrm	hyper	CHH	0.0156
Gm11	6949842	6950813	Gmdrm	hyper	CHH	0.024
Gm11	7032918	7033450	Gmdrm	hyper	CHH	0.035
Gm11	7037771	7038749	Gmdrm	hyper	CHH	0.0184
Gm11	7039801	7040798	Gmdrm	hyper	CHH	0.0256
Gm11	7066024	7066985	Gmdrm	hyper	CHH	0.0105
Gm11	7085139	7086135	Gmdrm	hyper	CHH	0.0133
Gm11	7112311	7112856	Gmdrm	hyper	CHH	0.0339

Gm11	7116301	7116729	Gmdrm	hyper	CHH	0.0236
Gm11	7168368	7169358	Gmdrm	hyper	CHH	0.0151
Gm11	7193310	7193526	Gmdrm	hyper	CHH	0.0934
Gm11	7196366	7196653	Gmdrm	hyper	CHH	0.0282
Gm11	7234913	7235896	Gmdrm	hyper	CHH	0.0192
Gm11	7283528	7284500	Gmdrm	hyper	CHH	0.012
Gm11	7297540	7298176	Gmdrm	hyper	CHH	0.0258
Gm11	7320063	7321038	Gmdrm	hyper	CHH	0.0138
Gm11	7349289	7350285	Gmdrm	hyper	CHH	0.0232
Gm11	7384637	7385592	Gmdrm	hyper	CHH	0.0132
Gm11	7413950	7414556	Gmdrm	hyper	CHH	0.03
Gm11	7415785	7416784	Gmdrm	hyper	CHH	0.0218
Gm11	7462530	7463389	Gmdrm	hyper	CHH	0.0219
Gm11	7488345	7488461	Gmdrm	hyper	CHH	0.039
Gm11	7506568	7507565	Gmdrm	hyper	CHH	0.0104
Gm11	7542445	7543257	Gmdrm	hyper	CHH	0.0232
Gm11	7553956	7554911	Gmdrm	hyper	CHH	0.0129
Gm11	7585718	7586537	Gmdrm	hyper	CHH	0.0157
Gm11	7602478	7603016	Gmdrm	hyper	CHH	0.0269
Gm11	7612128	7613120	Gmdrm	hyper	CHH	0.0177
Gm11	7768490	7769317	Gmdrm	hyper	CHH	0.0779
Gm11	7844921	7845912	Gmdrm	hyper	CHH	0.0188
Gm11	7874528	7875506	Gmdrm	hyper	CHH	0.0308
Gm11	7886933	7887269	Gmdrm	hyper	CHH	0.07
Gm11	7893478	7894009	Gmdrm	hyper	CHH	0.0514
Gm11	7946527	7947146	Gmdrm	hyper	CHH	0.0269
Gm11	7956670	7956856	Gmdrm	hyper	CHH	0.03
Gm11	7984715	7985707	Gmdrm	hyper	CHH	0.0146
Gm11	8010247	8010832	Gmdrm	hyper	CHH	0.092
Gm11	8021669	8022460	Gmdrm	hyper	CHH	0.0362
Gm11	8023815	8024744	Gmdrm	hyper	CHH	0.0322
Gm11	8048346	8049041	Gmdrm	hyper	CHH	0.0153
Gm11	8062145	8063129	Gmdrm	hyper	CHH	0.0185
Gm11	8112621	8113620	Gmdrm	hyper	CHH	0.0204
Gm11	8139334	8140010	Gmdrm	hyper	CHH	0.0233
Gm11	8153371	8154363	Gmdrm	hyper	CHH	0.0123
Gm11	8157491	8158491	Gmdrm	hyper	CHH	0.0275
Gm11	8175378	8176354	Gmdrm	hyper	CHH	0.0155
Gm11	8196981	8197981	Gmdrm	hyper	CHH	0.0184
Gm11	8213286	8214276	Gmdrm	hyper	CHH	0.0211
Gm11	8226014	8226876	Gmdrm	hyper	CHH	0.0139
Gm11	8227996	8228503	Gmdrm	hyper	CHH	0.0161
Gm11	8251582	8252302	Gmdrm	hyper	CHH	0.0212
Gm11	8253970	8254966	Gmdrm	hyper	CHH	0.018
Gm11	8284554	8285511	Gmdrm	hyper	CHH	0.0275
Gm11	8429492	8430490	Gmdrm	hyper	CHH	0.0154

Gm11	8485793	8486793	Gmdrm	hyper	CHH	0.0204
Gm11	8599797	8600795	Gmdrm	hyper	CHH	0.0207
Gm11	8655091	8656082	Gmdrm	hyper	CHH	0.0179
Gm11	8691108	8692072	Gmdrm	hyper	CHH	0.0259
Gm11	8693175	8694139	Gmdrm	hyper	CHH	0.0605
Gm11	8722298	8723266	Gmdrm	hyper	CHH	0.0133
Gm11	8802089	8802466	Gmdrm	hyper	CHH	0.071
Gm11	8883014	8884010	Gmdrm	hyper	CHH	0.0221
Gm11	8915148	8916139	Gmdrm	hyper	CHH	0.0354
Gm11	9073987	9074602	Gmdrm	hyper	CHH	0.032
Gm11	9101975	9102862	Gmdrm	hyper	CHH	0.017
Gm11	9140033	9140554	Gmdrm	hyper	CHH	0.0194
Gm11	9193086	9194083	Gmdrm	hyper	CHH	0.0186
Gm11	9220529	9221522	Gmdrm	hyper	CHH	0.0356
Gm11	9283152	9283561	Gmdrm	hyper	CHH	0.0212
Gm11	9352680	9353499	Gmdrm	hyper	CHH	0.0228
Gm11	9385499	9386471	Gmdrm	hyper	CHH	0.0147
Gm11	9391127	9392118	Gmdrm	hyper	CHH	0.0269
Gm11	9395188	9396172	Gmdrm	hyper	CHH	0.0128
Gm11	9412181	9413169	Gmdrm	hyper	CHH	0.0174
Gm11	9428206	9429152	Gmdrm	hyper	CHH	0.0217
Gm11	9442123	9443118	Gmdrm	hyper	CHH	0.0228
Gm11	9444060	9445013	Gmdrm	hyper	CHH	0.0321
Gm11	9539941	9540152	Gmdrm	hyper	CHH	0.0333
Gm11	9609267	9610236	Gmdrm	hyper	CHH	0.0213
Gm11	9635354	9636345	Gmdrm	hyper	CHH	0.017
Gm11	9665615	9666605	Gmdrm	hyper	CHH	0.0166
Gm11	9671624	9672616	Gmdrm	hyper	CHH	0.0143
Gm11	9678101	9678503	Gmdrm	hyper	CHH	0.0255
Gm11	9698921	9699832	Gmdrm	hyper	CHH	0.0142
Gm11	9728005	9728253	Gmdrm	hyper	CHH	0.095
Gm11	9730761	9731718	Gmdrm	hyper	CHH	0.0188
Gm11	9741142	9742131	Gmdrm	hyper	CHH	0.0484
Gm11	9768943	9769920	Gmdrm	hyper	CHH	0.0223
Gm11	9795195	9795922	Gmdrm	hyper	CHH	0.0164
Gm11	9799824	9800781	Gmdrm	hyper	CHH	0.0141
Gm11	9966728	9967314	Gmdrm	hyper	CHH	0.0272
Gm11	10197323	10197512	Gmdrm	hyper	CHH	0.109
Gm11	10337076	10337259	Gmdrm	hyper	CHH	0.05
Gm11	10351000	10351997	Gmdrm	hyper	CHH	0.0253
Gm11	10431540	10432525	Gmdrm	hyper	CHH	0.0618
Gm11	10458095	10458213	Gmdrm	hyper	CHH	0.1047
Gm11	10512610	10512724	Gmdrm	hyper	CHH	0.08
Gm11	10531048	10532048	Gmdrm	hyper	CHH	0.0145
Gm11	10557566	10558535	Gmdrm	hyper	CHH	0.0236
Gm11	10567491	10567658	Gmdrm	hyper	CHH	0.0878

Gm11	10585706	10586695	Gmdrm	hyper	CHH	0.015
Gm11	10598624	10598939	Gmdrm	hyper	CHH	0.0107
Gm11	10628991	10629975	Gmdrm	hyper	CHH	0.0115
Gm11	10663503	10664500	Gmdrm	hyper	CHH	0.0184
Gm11	10673102	10674084	Gmdrm	hyper	CHH	0.0136
Gm11	10683158	10684157	Gmdrm	hyper	CHH	0.0157
Gm11	10685810	10686390	Gmdrm	hyper	CHH	0.0439
Gm11	10692427	10693087	Gmdrm	hyper	CHH	0.0228
Gm11	10748513	10749509	Gmdrm	hyper	CHH	0.0109
Gm11	10764594	10765578	Gmdrm	hyper	CHH	0.0209
Gm11	10845900	10846017	Gmdrm	hyper	CHH	0.064
Gm11	10887023	10887244	Gmdrm	hyper	CHH	0.0376
Gm11	10995834	10996085	Gmdrm	hyper	CHH	0.052
Gm11	11060130	11060312	Gmdrm	hyper	CHH	0.0311
Gm11	11077005	11077991	Gmdrm	hyper	CHH	0.0119
Gm11	11092506	11093474	Gmdrm	hyper	CHH	0.0151
Gm11	11198601	11199209	Gmdrm	hyper	CHH	0.0393
Gm11	11220995	11221953	Gmdrm	hyper	CHH	0.0132
Gm11	11284021	11284180	Gmdrm	hyper	CHH	0.0843
Gm11	11335302	11336285	Gmdrm	hyper	CHH	0.0134
Gm11	11400374	11401326	Gmdrm	hyper	CHH	0.0527
Gm11	11411006	11411444	Gmdrm	hyper	CHH	0.06
Gm11	11413604	11414554	Gmdrm	hyper	CHH	0.0132
Gm11	11454495	11455494	Gmdrm	hyper	CHH	0.0184
Gm11	11517988	11518983	Gmdrm	hyper	CHH	0.0135
Gm11	11546929	11547923	Gmdrm	hyper	CHH	0.0207
Gm11	11599591	11600579	Gmdrm	hyper	CHH	0.0127
Gm11	11736521	11737514	Gmdrm	hyper	CHH	0.1197
Gm11	11737523	11738515	Gmdrm	hyper	CHH	0.0871
Gm11	11798403	11799402	Gmdrm	hyper	CHH	0.0516
Gm11	11800407	11801403	Gmdrm	hyper	CHH	0.089
Gm11	11801416	11802413	Gmdrm	hyper	CHH	0.0832
Gm11	11802421	11803414	Gmdrm	hyper	CHH	0.087
Gm11	11809163	11810160	Gmdrm	hyper	CHH	0.0984
Gm11	11986366	11987354	Gmdrm	hyper	CHH	0.0411
Gm11	12002051	12003021	Gmdrm	hyper	CHH	0.0158
Gm11	12102049	12103013	Gmdrm	hyper	CHH	0.0631
Gm11	12103074	12104072	Gmdrm	hyper	CHH	0.0613
Gm11	12105836	12106835	Gmdrm	hyper	CHH	0.0549
Gm11	12112915	12113913	Gmdrm	hyper	CHH	0.0526
Gm11	12117941	12118940	Gmdrm	hyper	CHH	0.0552
Gm11	12127987	12128979	Gmdrm	hyper	CHH	0.039
Gm11	12187372	12188365	Gmdrm	hyper	CHH	0.0285
Gm11	12217933	12218928	Gmdrm	hyper	CHH	0.0148
Gm11	12280771	12281756	Gmdrm	hyper	CHH	0.0297
Gm11	12315599	12316590	Gmdrm	hyper	CHH	0.0164

Gm11	12408245	12409239	Gmdrm	hyper	CHH	0.0472
Gm11	12488401	12489399	Gmdrm	hyper	CHH	0.0532
Gm11	12505388	12505605	Gmdrm	hyper	CHH	0.0406
Gm11	12574209	12575203	Gmdrm	hyper	CHH	0.0546
Gm11	12624185	12625179	Gmdrm	hyper	CHH	0.0534
Gm11	12776275	12777262	Gmdrm	hyper	CHH	0.0337
Gm11	12779713	12780710	Gmdrm	hyper	CHH	0.074
Gm11	12898224	12899212	Gmdrm	hyper	CHH	0.0322
Gm11	12910981	12911621	Gmdrm	hyper	CHH	0.0222
Gm11	12999490	13000487	Gmdrm	hyper	CHH	0.021
Gm11	13045420	13045782	Gmdrm	hyper	CHH	0.0936
Gm11	13158683	13159682	Gmdrm	hyper	CHH	0.0445
Gm11	13216289	13217283	Gmdrm	hyper	CHH	0.0381
Gm11	13227633	13228626	Gmdrm	hyper	CHH	0.0515
Gm11	13418154	13418637	Gmdrm	hyper	CHH	0.0935
Gm11	13709691	13710661	Gmdrm	hyper	CHH	0.0979
Gm11	13779407	13779795	Gmdrm	hyper	CHH	0.1391
Gm11	13904912	13905909	Gmdrm	hyper	CHH	0.0565
Gm11	13952961	13953467	Gmdrm	hyper	CHH	0.084
Gm11	13962219	13962332	Gmdrm	hyper	CHH	0.2292
Gm11	14049069	14049133	Gmdrm	hyper	CHH	0.0467
Gm11	14159320	14160305	Gmdrm	hyper	CHH	0.0238
Gm11	14235236	14236227	Gmdrm	hyper	CHH	0.0516
Gm11	14345844	14346814	Gmdrm	hyper	CHH	0.026
Gm11	14346852	14347167	Gmdrm	hyper	CHH	0.0325
Gm11	14366718	14367709	Gmdrm	hyper	CHH	0.043
Gm11	14444497	14445497	Gmdrm	hyper	CHH	0.065
Gm11	14459489	14459827	Gmdrm	hyper	CHH	0.0284
Gm11	14536462	14537444	Gmdrm	hyper	CHH	0.086
Gm11	14655302	14655353	Gmdrm	hyper	CHH	0.3714
Gm11	14693082	14694082	Gmdrm	hyper	CHH	0.0181
Gm11	14711361	14712164	Gmdrm	hyper	CHH	0.0239
Gm11	14775719	14776018	Gmdrm	hyper	CHH	0.0367
Gm11	14784691	14785227	Gmdrm	hyper	CHH	0.0588
Gm11	14909967	14910960	Gmdrm	hyper	CHH	0.0123
Gm11	14954916	14955914	Gmdrm	hyper	CHH	0.0144
Gm11	14973772	14973953	Gmdrm	hyper	CHH	0.064
Gm11	14989243	14989951	Gmdrm	hyper	CHH	0.0654
Gm11	15075335	15076303	Gmdrm	hyper	CHH	0.0122
Gm11	15227189	15228184	Gmdrm	hyper	CHH	0.0488
Gm11	15255492	15256308	Gmdrm	hyper	CHH	0.0241
Gm11	15271926	15272923	Gmdrm	hyper	CHH	0.0356
Gm11	15298986	15299059	Gmdrm	hyper	CHH	0.0337
Gm11	15382026	15383016	Gmdrm	hyper	CHH	0.0246
Gm11	15440087	15441086	Gmdrm	hyper	CHH	0.03
Gm11	15499463	15500432	Gmdrm	hyper	CHH	0.0198

Gm11	15506286	15507271	Gmdrm	hyper	CHH	0.0508
Gm11	15507297	15508292	Gmdrm	hyper	CHH	0.0577
Gm11	15508304	15509298	Gmdrm	hyper	CHH	0.0797
Gm11	15509305	15510300	Gmdrm	hyper	CHH	0.0514
Gm11	15589107	15590060	Gmdrm	hyper	CHH	0.021
Gm11	15632045	15632196	Gmdrm	hyper	CHH	0.0438
Gm11	15736412	15737408	Gmdrm	hyper	CHH	0.0114
Gm11	15762223	15763210	Gmdrm	hyper	CHH	0.012
Gm11	15775163	15776153	Gmdrm	hyper	CHH	0.0252
Gm11	15802953	15803930	Gmdrm	hyper	CHH	0.0247
Gm11	15839004	15839901	Gmdrm	hyper	CHH	0.0152
Gm11	15890841	15891841	Gmdrm	hyper	CHH	0.0174
Gm11	15980105	15980239	Gmdrm	hyper	CHH	0.0506
Gm11	15982055	15982117	Gmdrm	hyper	CHH	0.044
Gm11	16084949	16085943	Gmdrm	hyper	CHH	0.0235
Gm11	16153995	16154994	Gmdrm	hyper	CHH	0.0122
Gm11	16161621	16161801	Gmdrm	hyper	CHH	0.0285
Gm11	16163147	16163401	Gmdrm	hyper	CHH	0.0335
Gm11	16299720	16299957	Gmdrm	hyper	CHH	0.0728
Gm11	16306387	16307264	Gmdrm	hyper	CHH	0.0123
Gm11	16317097	16317744	Gmdrm	hyper	CHH	0.0383
Gm11	16340467	16341454	Gmdrm	hyper	CHH	0.0282
Gm11	16372604	16373568	Gmdrm	hyper	CHH	0.0216
Gm11	16451949	16452947	Gmdrm	hyper	CHH	0.0139
Gm11	16470903	16471884	Gmdrm	hyper	CHH	0.018
Gm11	16473954	16474304	Gmdrm	hyper	CHH	0.0239
Gm11	16581491	16582490	Gmdrm	hyper	CHH	0.0285
Gm11	16615105	16615695	Gmdrm	hyper	CHH	0.0169
Gm11	16702247	16702963	Gmdrm	hyper	CHH	0.0179
Gm11	16727424	16727871	Gmdrm	hyper	CHH	0.0274
Gm11	16763164	16764148	Gmdrm	hyper	CHH	0.0142
Gm11	16770052	16770216	Gmdrm	hyper	CHH	0.0233
Gm11	16787042	16787285	Gmdrm	hyper	CHH	0.03
Gm11	16791310	16791977	Gmdrm	hyper	CHH	0.0146
Gm11	16825494	16826399	Gmdrm	hyper	CHH	0.025
Gm11	16840076	16841066	Gmdrm	hyper	CHH	0.0111
Gm11	16851447	16852447	Gmdrm	hyper	CHH	0.0159
Gm11	16857080	16858074	Gmdrm	hyper	CHH	0.0221
Gm11	17177049	17178044	Gmdrm	hyper	CHH	0.0148
Gm11	17223474	17223995	Gmdrm	hyper	CHH	0.0162
Gm11	17231020	17231997	Gmdrm	hyper	CHH	0.0508
Gm11	17368526	17369331	Gmdrm	hyper	CHH	0.0156
Gm11	17424736	17425681	Gmdrm	hyper	CHH	0.0196
Gm11	17436855	17436912	Gmdrm	hyper	CHH	0.0484
Gm11	17455173	17456160	Gmdrm	hyper	CHH	0.0187
Gm11	17504560	17505511	Gmdrm	hyper	CHH	0.0165

Gm11	17509646	17510300	Gmdrm	hyper	CHH	0.0196
Gm11	17623792	17624327	Gmdrm	hyper	CHH	0.0521
Gm11	17850386	17851379	Gmdrm	hyper	CHH	0.0135
Gm11	17869132	17870128	Gmdrm	hyper	CHH	0.0481
Gm11	17875475	17875620	Gmdrm	hyper	CHH	0.2588
Gm11	18002778	18003778	Gmdrm	hyper	CHH	0.0452
Gm11	18004506	18005505	Gmdrm	hyper	CHH	0.0507
Gm11	18049351	18050299	Gmdrm	hyper	CHH	0.0157
Gm11	18063996	18064990	Gmdrm	hyper	CHH	0.0194
Gm11	18224227	18225227	Gmdrm	hyper	CHH	0.0806
Gm11	18332960	18333959	Gmdrm	hyper	CHH	0.0219
Gm11	18528111	18529110	Gmdrm	hyper	CHH	0.0609
Gm11	18561077	18562016	Gmdrm	hyper	CHH	0.021
Gm11	18652199	18653197	Gmdrm	hyper	CHH	0.0206
Gm11	18710693	18711659	Gmdrm	hyper	CHH	0.021
Gm11	18889696	18890692	Gmdrm	hyper	CHH	0.0149
Gm11	19220836	19221391	Gmdrm	hyper	CHH	0.0574
Gm11	19341208	19342206	Gmdrm	hyper	CHH	0.0443
Gm11	19495275	19496274	Gmdrm	hyper	CHH	0.054
Gm11	19638283	19639281	Gmdrm	hyper	CHH	0.0185
Gm11	19721726	19722726	Gmdrm	hyper	CHH	0.0343
Gm11	19793115	19794113	Gmdrm	hyper	CHH	0.0402
Gm11	19893319	19894318	Gmdrm	hyper	CHH	0.048
Gm11	20012512	20013499	Gmdrm	hyper	CHH	0.0461
Gm11	20050369	20051351	Gmdrm	hyper	CHH	0.0391
Gm11	20164447	20164651	Gmdrm	hyper	CHH	0.0812
Gm11	20202274	20202468	Gmdrm	hyper	CHH	0.2329
Gm11	20208566	20209560	Gmdrm	hyper	CHH	0.0474
Gm11	20221022	20222011	Gmdrm	hyper	CHH	0.0323
Gm11	20391048	20392040	Gmdrm	hyper	CHH	0.0167
Gm11	20467564	20468552	Gmdrm	hyper	CHH	0.015
Gm11	20583355	20584339	Gmdrm	hyper	CHH	0.0177
Gm11	20615340	20616340	Gmdrm	hyper	CHH	0.0463
Gm11	20652824	20653818	Gmdrm	hyper	CHH	0.0314
Gm11	20743551	20744551	Gmdrm	hyper	CHH	0.0282
Gm11	20836666	20837140	Gmdrm	hyper	CHH	0.0227
Gm11	20931209	20931462	Gmdrm	hyper	CHH	0.0611
Gm11	21028769	21029768	Gmdrm	hyper	CHH	0.0344
Gm11	21036844	21037474	Gmdrm	hyper	CHH	0.02
Gm11	21200356	21201355	Gmdrm	hyper	CHH	0.0269
Gm11	21338496	21339488	Gmdrm	hyper	CHH	0.0316
Gm11	21568519	21568766	Gmdrm	hyper	CHH	0.039
Gm11	21646266	21646884	Gmdrm	hyper	CHH	0.0405
Gm11	21667570	21668563	Gmdrm	hyper	CHH	0.0537
Gm11	21712476	21712657	Gmdrm	hyper	CHH	0.0471
Gm11	21724935	21725769	Gmdrm	hyper	CHH	0.0317

Gm11	21760959	21761130	Gmdrm	hyper	CHH	0.3289
Gm11	22091291	22092284	Gmdrm	hyper	CHH	0.0356
Gm11	22245186	22246169	Gmdrm	hyper	CHH	0.0143
Gm11	22584443	22585290	Gmdrm	hyper	CHH	0.0646
Gm11	23027113	23027810	Gmdrm	hyper	CHH	0.0391
Gm11	23098232	23098329	Gmdrm	hyper	CHH	0.1608
Gm11	23183981	23184037	Gmdrm	hyper	CHH	0.32
Gm11	23186171	23186198	Gmdrm	hyper	CHH	0.24
Gm11	23297706	23298141	Gmdrm	hyper	CHH	0.0892
Gm11	23521351	23522323	Gmdrm	hyper	CHH	0.0112
Gm11	23539124	23540118	Gmdrm	hyper	CHH	0.0389
Gm11	23643063	23644015	Gmdrm	hyper	CHH	0.0199
Gm11	23655432	23656038	Gmdrm	hyper	CHH	0.0818
Gm11	23689888	23690884	Gmdrm	hyper	CHH	0.0486
Gm11	23699769	23700309	Gmdrm	hyper	CHH	0.0423
Gm11	23700422	23701402	Gmdrm	hyper	CHH	0.0365
Gm11	23766500	23766786	Gmdrm	hyper	CHH	0.1827
Gm11	23862713	23862792	Gmdrm	hyper	CHH	0.206
Gm11	23876594	23877287	Gmdrm	hyper	CHH	0.0304
Gm11	23918955	23919909	Gmdrm	hyper	CHH	0.0266
Gm11	23948148	23949132	Gmdrm	hyper	CHH	0.0141
Gm11	23965852	23965925	Gmdrm	hyper	CHH	0.0617
Gm11	24025633	24026613	Gmdrm	hyper	CHH	0.0234
Gm11	24139777	24140746	Gmdrm	hyper	CHH	0.0185
Gm11	24213064	24214055	Gmdrm	hyper	CHH	0.0545
Gm11	24261228	24262227	Gmdrm	hyper	CHH	0.0193
Gm11	24266975	24267960	Gmdrm	hyper	CHH	0.0402
Gm11	24420080	24421078	Gmdrm	hyper	CHH	0.042
Gm11	24434798	24435793	Gmdrm	hyper	CHH	0.0712
Gm11	24465198	24465821	Gmdrm	hyper	CHH	0.0158
Gm11	24472249	24472284	Gmdrm	hyper	CHH	0.0567
Gm11	24567393	24568040	Gmdrm	hyper	CHH	0.02
Gm11	24762052	24762503	Gmdrm	hyper	CHH	0.0932
Gm11	24765048	24766047	Gmdrm	hyper	CHH	0.0654
Gm11	24875724	24876150	Gmdrm	hyper	CHH	0.0911
Gm11	24913206	24913249	Gmdrm	hyper	CHH	0.292
Gm11	25088526	25089525	Gmdrm	hyper	CHH	0.041
Gm11	25235903	25236140	Gmdrm	hyper	CHH	0.1218
Gm11	25238486	25239486	Gmdrm	hyper	CHH	0.0486
Gm11	25265777	25265893	Gmdrm	hyper	CHH	0.1778
Gm11	25312149	25312207	Gmdrm	hyper	CHH	0.1887
Gm11	25344329	25344389	Gmdrm	hyper	CHH	0.2325
Gm11	25466550	25466573	Gmdrm	hyper	CHH	0.108
Gm11	25764165	25765158	Gmdrm	hyper	CHH	0.0506
Gm11	25849681	25850053	Gmdrm	hyper	CHH	0.0636
Gm11	25862775	25863761	Gmdrm	hyper	CHH	0.0534

Gm11	25982319	25982402	Gmdrm	hyper	CHH	0.1817
Gm11	26542623	26542790	Gmdrm	hyper	CHH	0.1215
Gm11	26595640	26596001	Gmdrm	hyper	CHH	0.0972
Gm11	26845721	26846720	Gmdrm	hyper	CHH	0.0164
Gm11	27103163	27103736	Gmdrm	hyper	CHH	0.0919
Gm11	27293928	27294928	Gmdrm	hyper	CHH	0.0385
Gm11	27625825	27626817	Gmdrm	hyper	CHH	0.0294
Gm11	27905533	27906524	Gmdrm	hyper	CHH	0.0996
Gm11	27948745	27948869	Gmdrm	hyper	CHH	0.1764
Gm11	28014490	28015484	Gmdrm	hyper	CHH	0.0511
Gm11	28364283	28364647	Gmdrm	hyper	CHH	0.1186
Gm11	28872056	28872074	Gmdrm	hyper	CHH	0.252
Gm11	28878971	28879027	Gmdrm	hyper	CHH	0.256
Gm11	29554072	29554141	Gmdrm	hyper	CHH	0.258
Gm11	29976316	29977311	Gmdrm	hyper	CHH	0.0306
Gm11	30179318	30180312	Gmdrm	hyper	CHH	0.0575
Gm11	30289006	30289224	Gmdrm	hyper	CHH	0.2211
Gm11	30453128	30453405	Gmdrm	hyper	CHH	0.1531
Gm11	30509770	30509982	Gmdrm	hyper	CHH	0.1043
Gm11	30779305	30779894	Gmdrm	hyper	CHH	0.0581
Gm11	30917328	30918270	Gmdrm	hyper	CHH	0.0263
Gm11	30923187	30924181	Gmdrm	hyper	CHH	0.061
Gm11	31004219	31004369	Gmdrm	hyper	CHH	0.0643
Gm11	31153389	31154387	Gmdrm	hyper	CHH	0.0326
Gm11	31190217	31190315	Gmdrm	hyper	CHH	0.104
Gm11	31201103	31202033	Gmdrm	hyper	CHH	0.0247
Gm11	31382665	31382896	Gmdrm	hyper	CHH	0.1706
Gm11	31406838	31407830	Gmdrm	hyper	CHH	0.0435
Gm11	31485389	31486387	Gmdrm	hyper	CHH	0.0573
Gm11	31576124	31577103	Gmdrm	hyper	CHH	0.0128
Gm11	31593658	31593939	Gmdrm	hyper	CHH	0.0974
Gm11	31660056	31661049	Gmdrm	hyper	CHH	0.0145
Gm11	31735707	31736412	Gmdrm	hyper	CHH	0.0947
Gm11	31863579	31864578	Gmdrm	hyper	CHH	0.0368
Gm11	32021458	32022423	Gmdrm	hyper	CHH	0.0269
Gm11	32102651	32103544	Gmdrm	hyper	CHH	0.0341
Gm11	32408796	32409247	Gmdrm	hyper	CHH	0.0811
Gm11	32512950	32513917	Gmdrm	hyper	CHH	0.0169
Gm11	32519920	32520882	Gmdrm	hyper	CHH	0.0143
Gm11	32610041	32611012	Gmdrm	hyper	CHH	0.0227
Gm11	32632305	32633303	Gmdrm	hyper	CHH	0.0163
Gm11	32681082	32682081	Gmdrm	hyper	CHH	0.057
Gm11	32682084	32683078	Gmdrm	hyper	CHH	0.0624
Gm11	32736252	32736548	Gmdrm	hyper	CHH	0.0575
Gm11	32742043	32743006	Gmdrm	hyper	CHH	0.02
Gm11	32977738	32978728	Gmdrm	hyper	CHH	0.0162

Gm11	32979786	32980680	Gmdrm	hyper	CHH	0.0311
Gm11	32991249	32992248	Gmdrm	hyper	CHH	0.0473
Gm11	33070889	33071734	Gmdrm	hyper	CHH	0.0223
Gm11	33097137	33097957	Gmdrm	hyper	CHH	0.0197
Gm11	33139678	33140674	Gmdrm	hyper	CHH	0.0467
Gm11	33147670	33148631	Gmdrm	hyper	CHH	0.0292
Gm11	33152545	33153227	Gmdrm	hyper	CHH	0.0203
Gm11	33179381	33179735	Gmdrm	hyper	CHH	0.0284
Gm11	33230064	33230130	Gmdrm	hyper	CHH	0.0973
Gm11	33281257	33281437	Gmdrm	hyper	CHH	0.1069
Gm11	33283584	33284257	Gmdrm	hyper	CHH	0.016
Gm11	33312286	33313286	Gmdrm	hyper	CHH	0.0197
Gm11	33361013	33361615	Gmdrm	hyper	CHH	0.0435
Gm11	33411354	33411832	Gmdrm	hyper	CHH	0.0213
Gm11	33445565	33446369	Gmdrm	hyper	CHH	0.0473
Gm11	33457734	33458077	Gmdrm	hyper	CHH	0.07
Gm11	33465368	33466337	Gmdrm	hyper	CHH	0.0211
Gm11	33565907	33566234	Gmdrm	hyper	CHH	0.0374
Gm11	33708429	33709418	Gmdrm	hyper	CHH	0.0268
Gm11	33977633	33978591	Gmdrm	hyper	CHH	0.0176
Gm11	34360411	34361405	Gmdrm	hyper	CHH	0.029
Gm11	34409083	34410075	Gmdrm	hyper	CHH	0.0402
Gm11	34427684	34428684	Gmdrm	hyper	CHH	0.0391
Gm11	34702970	34703324	Gmdrm	hyper	CHH	0.0239
Gm11	34830821	34831081	Gmdrm	hyper	CHH	0.1267
Gm11	35054556	35055539	Gmdrm	hyper	CHH	0.0188
Gm11	35176055	35177052	Gmdrm	hyper	CHH	0.0488
Gm11	35230512	35231509	Gmdrm	hyper	CHH	0.0579
Gm11	35258004	35258906	Gmdrm	hyper	CHH	0.0185
Gm11	35364123	35365111	Gmdrm	hyper	CHH	0.0123
Gm11	35394759	35395729	Gmdrm	hyper	CHH	0.0165
Gm11	35395946	35396205	Gmdrm	hyper	CHH	0.04
Gm11	35400960	35401958	Gmdrm	hyper	CHH	0.0174
Gm11	35414141	35414793	Gmdrm	hyper	CHH	0.0187
Gm11	35423485	35423836	Gmdrm	hyper	CHH	0.0205
Gm11	35426988	35427964	Gmdrm	hyper	CHH	0.0273
Gm11	35528783	35529764	Gmdrm	hyper	CHH	0.0236
Gm11	35564496	35565465	Gmdrm	hyper	CHH	0.0143
Gm11	35752744	35753742	Gmdrm	hyper	CHH	0.0196
Gm11	35759581	35760137	Gmdrm	hyper	CHH	0.0216
Gm11	35809184	35809614	Gmdrm	hyper	CHH	0.0278
Gm11	35842815	35843671	Gmdrm	hyper	CHH	0.0219
Gm11	35945329	35946275	Gmdrm	hyper	CHH	0.0305
Gm11	35978258	35979257	Gmdrm	hyper	CHH	0.0144
Gm11	36016356	36017341	Gmdrm	hyper	CHH	0.018
Gm11	36062718	36063716	Gmdrm	hyper	CHH	0.0119

Gm11	36069211	36070201	Gmdrm	hyper	CHH	0.0181
Gm11	36071516	36072474	Gmdrm	hyper	CHH	0.0127
Gm11	36081776	36082277	Gmdrm	hyper	CHH	0.0265
Gm11	36099589	36099632	Gmdrm	hyper	CHH	0.066
Gm11	36139815	36140365	Gmdrm	hyper	CHH	0.0231
Gm11	36175978	36176975	Gmdrm	hyper	CHH	0.0477
Gm11	36191985	36192628	Gmdrm	hyper	CHH	0.0409
Gm11	36272499	36273443	Gmdrm	hyper	CHH	0.0123
Gm11	36351436	36351580	Gmdrm	hyper	CHH	0.0377
Gm11	36368136	36369131	Gmdrm	hyper	CHH	0.0171
Gm11	36413591	36414145	Gmdrm	hyper	CHH	0.0174
Gm11	36470672	36471656	Gmdrm	hyper	CHH	0.0962
Gm11	36537190	36538183	Gmdrm	hyper	CHH	0.0251
Gm11	36678143	36679140	Gmdrm	hyper	CHH	0.0194
Gm11	36684996	36685990	Gmdrm	hyper	CHH	0.0259
Gm11	36727970	36728947	Gmdrm	hyper	CHH	0.0193
Gm11	36741947	36742945	Gmdrm	hyper	CHH	0.0236
Gm11	36744981	36745975	Gmdrm	hyper	CHH	0.0425
Gm11	36775117	36775233	Gmdrm	hyper	CHH	0.152
Gm11	36825604	36826548	Gmdrm	hyper	CHH	0.0669
Gm11	36904027	36905027	Gmdrm	hyper	CHH	0.0305
Gm11	36906091	36906467	Gmdrm	hyper	CHH	0.0392
Gm11	37029081	37030067	Gmdrm	hyper	CHH	0.0221
Gm11	37108994	37109749	Gmdrm	hyper	CHH	0.0198
Gm11	37120800	37121212	Gmdrm	hyper	CHH	0.0596
Gm11	37155987	37156300	Gmdrm	hyper	CHH	0.0212
Gm11	37185079	37186078	Gmdrm	hyper	CHH	0.026
Gm11	37253855	37254832	Gmdrm	hyper	CHH	0.0336
Gm11	37267078	37268068	Gmdrm	hyper	CHH	0.0313
Gm11	37328023	37329014	Gmdrm	hyper	CHH	0.0228
Gm11	37488399	37488727	Gmdrm	hyper	CHH	0.0276
Gm11	37500623	37501612	Gmdrm	hyper	CHH	0.0096
Gm11	37503219	37504197	Gmdrm	hyper	CHH	0.0235
Gm11	37556435	37557381	Gmdrm	hyper	CHH	0.0195
Gm11	37557470	37558463	Gmdrm	hyper	CHH	0.0156
Gm11	37607851	37608735	Gmdrm	hyper	CHH	0.0162
Gm11	37611544	37612530	Gmdrm	hyper	CHH	0.0227
Gm11	37645829	37646800	Gmdrm	hyper	CHH	0.0163
Gm11	37723661	37724537	Gmdrm	hyper	CHH	0.0157
Gm11	37804567	37805561	Gmdrm	hyper	CHH	0.018
Gm11	37807723	37808245	Gmdrm	hyper	CHH	0.0338
Gm11	37847403	37848396	Gmdrm	hyper	CHH	0.0152
Gm11	37941094	37942065	Gmdrm	hyper	CHH	0.0156
Gm11	37946149	37946877	Gmdrm	hyper	CHH	0.0165
Gm11	37990280	37991277	Gmdrm	hyper	CHH	0.0206
Gm11	38031261	38031711	Gmdrm	hyper	CHH	0.0276

Gm11	38059938	38060930	Gmdrm	hyper	CHH	0.0238
Gm11	38131512	38132198	Gmdrm	hyper	CHH	0.0173
Gm11	38141655	38142646	Gmdrm	hyper	CHH	0.0367
Gm11	38178781	38179542	Gmdrm	hyper	CHH	0.0254
Gm11	38183789	38184005	Gmdrm	hyper	CHH	0.0418
Gm11	38205107	38205687	Gmdrm	hyper	CHH	0.0198
Gm11	38205795	38206284	Gmdrm	hyper	CHH	0.0229
Gm11	38250266	38250377	Gmdrm	hyper	CHH	0.038
Gm11	38286480	38287473	Gmdrm	hyper	CHH	0.0188
Gm11	38291972	38292972	Gmdrm	hyper	CHH	0.0253
Gm11	38296028	38297010	Gmdrm	hyper	CHH	0.0117
Gm11	38302653	38302924	Gmdrm	hyper	CHH	0.019
Gm11	38433063	38434022	Gmdrm	hyper	CHH	0.0212
Gm11	38458702	38459687	Gmdrm	hyper	CHH	0.0189
Gm11	38486617	38487432	Gmdrm	hyper	CHH	0.0218
Gm11	38500132	38500318	Gmdrm	hyper	CHH	0.0367
Gm11	38600359	38600736	Gmdrm	hyper	CHH	0.0321
Gm11	38668036	38668264	Gmdrm	hyper	CHH	0.1611
Gm11	38704364	38704694	Gmdrm	hyper	CHH	0.0423
Gm11	38731257	38732248	Gmdrm	hyper	CHH	0.0114
Gm11	38755491	38756453	Gmdrm	hyper	CHH	0.0148
Gm11	38786737	38787733	Gmdrm	hyper	CHH	0.0174
Gm11	38852345	38853304	Gmdrm	hyper	CHH	0.0148
Gm11	38858234	38859233	Gmdrm	hyper	CHH	0.0206
Gm11	38897939	38898125	Gmdrm	hyper	CHH	0.0737
Gm11	38951257	38951542	Gmdrm	hyper	CHH	0.11
Gm11	39004217	39004282	Gmdrm	hyper	CHH	0.038
Gm11	39058023	39058991	Gmdrm	hyper	CHH	0.0169
Gm11	39081006	39081983	Gmdrm	hyper	CHH	0.0255
Gm11	39121185	39122175	Gmdrm	hyper	CHH	0.012
Gm11	39125459	39125757	Gmdrm	hyper	CHH	0.0485
Gm11	39131980	39132975	Gmdrm	hyper	CHH	0.0181
Gm11	39194579	39195002	Gmdrm	hyper	CHH	0.0265
Gm11	39217169	39218166	Gmdrm	hyper	CHH	0.0147
Gm11	39253224	39253439	Gmdrm	hyper	CHH	0.0454
Gm11	39253563	39253765	Gmdrm	hyper	CHH	0.019
Gm11	39255883	39256882	Gmdrm	hyper	CHH	0.0224
Gm11	39288886	39289878	Gmdrm	hyper	CHH	0.0147
Gm11	39291316	39292028	Gmdrm	hyper	CHH	0.0238
Gm11	39299808	39300482	Gmdrm	hyper	CHH	0.0218
Gm11	39308540	39309495	Gmdrm	hyper	CHH	0.0232
Gm11	39328514	39329504	Gmdrm	hyper	CHH	0.0341
Gm11	39345332	39346314	Gmdrm	hyper	CHH	0.0162
Gm11	39425519	39426516	Gmdrm	hyper	CHH	0.0196
Gm11	39455697	39456663	Gmdrm	hyper	CHH	0.0224
Gm11	39481267	39482254	Gmdrm	hyper	CHH	0.0385

Gm11_scaffo	9241	10231	Gmdrm	hyper	CHH	0.018
Gm11_scaffo	16856	17849	Gmdrm	hyper	CHH	0.0163
Gm12	21749	22459	Gmdrm	hyper	CHH	0.0294
Gm12	100785	101306	Gmdrm	hyper	CHH	0.0217
Gm12	138577	139076	Gmdrm	hyper	CHH	0.0854
Gm12	156175	156718	Gmdrm	hyper	CHH	0.0448
Gm12	157858	158817	Gmdrm	hyper	CHH	0.0132
Gm12	286245	286975	Gmdrm	hyper	CHH	0.027
Gm12	296474	297474	Gmdrm	hyper	CHH	0.0227
Gm12	331521	332363	Gmdrm	hyper	CHH	0.024
Gm12	362716	362991	Gmdrm	hyper	CHH	0.0473
Gm12	426405	426730	Gmdrm	hyper	CHH	0.0247
Gm12	479943	480223	Gmdrm	hyper	CHH	0.0273
Gm12	525826	526819	Gmdrm	hyper	CHH	0.0289
Gm12	599953	600933	Gmdrm	hyper	CHH	0.02
Gm12	618048	619038	Gmdrm	hyper	CHH	0.0179
Gm12	640507	640836	Gmdrm	hyper	CHH	0.0651
Gm12	667328	667960	Gmdrm	hyper	CHH	0.0147
Gm12	696867	697614	Gmdrm	hyper	CHH	0.0172
Gm12	723799	724799	Gmdrm	hyper	CHH	0.0193
Gm12	775593	775835	Gmdrm	hyper	CHH	0.0575
Gm12	800082	800210	Gmdrm	hyper	CHH	0.072
Gm12	818808	819292	Gmdrm	hyper	CHH	0.0243
Gm12	824267	824801	Gmdrm	hyper	CHH	0.0156
Gm12	923964	924938	Gmdrm	hyper	CHH	0.0237
Gm12	936293	937279	Gmdrm	hyper	CHH	0.0104
Gm12	944464	945263	Gmdrm	hyper	CHH	0.0158
Gm12	963560	964555	Gmdrm	hyper	CHH	0.0225
Gm12	1029715	1030154	Gmdrm	hyper	CHH	0.0246
Gm12	1036031	1037028	Gmdrm	hyper	CHH	0.0192
Gm12	1045187	1046169	Gmdrm	hyper	CHH	0.0326
Gm12	1060194	1060837	Gmdrm	hyper	CHH	0.0173
Gm12	1062531	1063529	Gmdrm	hyper	CHH	0.0226
Gm12	1072744	1073033	Gmdrm	hyper	CHH	0.0528
Gm12	1107392	1107758	Gmdrm	hyper	CHH	0.0788
Gm12	1186620	1187594	Gmdrm	hyper	CHH	0.0154
Gm12	1219193	1220162	Gmdrm	hyper	CHH	0.029
Gm12	1223110	1223458	Gmdrm	hyper	CHH	0.0225
Gm12	1268491	1269015	Gmdrm	hyper	CHH	0.0312
Gm12	1298939	1299938	Gmdrm	hyper	CHH	0.0135
Gm12	1299946	1300935	Gmdrm	hyper	CHH	0.0132
Gm12	1342640	1343640	Gmdrm	hyper	CHH	0.0158
Gm12	1366381	1366840	Gmdrm	hyper	CHH	0.0246
Gm12	1387506	1387743	Gmdrm	hyper	CHH	0.0332
Gm12	1425166	1426147	Gmdrm	hyper	CHH	0.0231
Gm12	1427619	1427830	Gmdrm	hyper	CHH	0.0307

Gm12	1444835	1445828	Gmdrm	hyper	CHH	0.0237
Gm12	1504392	1505389	Gmdrm	hyper	CHH	0.0169
Gm12	1542878	1543861	Gmdrm	hyper	CHH	0.0254
Gm12	1567483	1568182	Gmdrm	hyper	CHH	0.0214
Gm12	1599688	1600685	Gmdrm	hyper	CHH	0.0173
Gm12	1600693	1601434	Gmdrm	hyper	CHH	0.0168
Gm12	1635734	1636711	Gmdrm	hyper	CHH	0.0147
Gm12	1636742	1637735	Gmdrm	hyper	CHH	0.021
Gm12	1637749	1638733	Gmdrm	hyper	CHH	0.0207
Gm12	1650312	1650543	Gmdrm	hyper	CHH	0.0223
Gm12	1653631	1654630	Gmdrm	hyper	CHH	0.0259
Gm12	1655648	1656623	Gmdrm	hyper	CHH	0.0213
Gm12	1668376	1669376	Gmdrm	hyper	CHH	0.0233
Gm12	1673886	1674880	Gmdrm	hyper	CHH	0.0132
Gm12	1705832	1706809	Gmdrm	hyper	CHH	0.0177
Gm12	1715670	1716666	Gmdrm	hyper	CHH	0.0174
Gm12	1723678	1724674	Gmdrm	hyper	CHH	0.0174
Gm12	1732295	1733283	Gmdrm	hyper	CHH	0.0109
Gm12	1740511	1741505	Gmdrm	hyper	CHH	0.0176
Gm12	1787079	1788032	Gmdrm	hyper	CHH	0.0241
Gm12	1803146	1803540	Gmdrm	hyper	CHH	0.0345
Gm12	1809602	1810586	Gmdrm	hyper	CHH	0.0219
Gm12	1869463	1870462	Gmdrm	hyper	CHH	0.0151
Gm12	1875126	1876124	Gmdrm	hyper	CHH	0.0117
Gm12	1877508	1877627	Gmdrm	hyper	CHH	0.0566
Gm12	1952183	1952436	Gmdrm	hyper	CHH	0.0525
Gm12	1975260	1976233	Gmdrm	hyper	CHH	0.0288
Gm12	2028250	2028543	Gmdrm	hyper	CHH	0.0637
Gm12	2046198	2046680	Gmdrm	hyper	CHH	0.0318
Gm12	2072709	2072995	Gmdrm	hyper	CHH	0.0615
Gm12	2127392	2128379	Gmdrm	hyper	CHH	0.0285
Gm12	2163565	2164559	Gmdrm	hyper	CHH	0.0113
Gm12	2284523	2285498	Gmdrm	hyper	CHH	0.0157
Gm12	2292819	2293814	Gmdrm	hyper	CHH	0.0143
Gm12	2315243	2316025	Gmdrm	hyper	CHH	0.0342
Gm12	2322852	2323842	Gmdrm	hyper	CHH	0.0208
Gm12	2342273	2343258	Gmdrm	hyper	CHH	0.0142
Gm12	2369125	2369930	Gmdrm	hyper	CHH	0.0331
Gm12	2384848	2385756	Gmdrm	hyper	CHH	0.0525
Gm12	2388965	2389946	Gmdrm	hyper	CHH	0.0149
Gm12	2412927	2413259	Gmdrm	hyper	CHH	0.0406
Gm12	2447425	2447658	Gmdrm	hyper	CHH	0.0312
Gm12	2455372	2456371	Gmdrm	hyper	CHH	0.0244
Gm12	2541020	2541993	Gmdrm	hyper	CHH	0.0124
Gm12	2583143	2584134	Gmdrm	hyper	CHH	0.0176
Gm12	2710875	2711416	Gmdrm	hyper	CHH	0.0235

Gm12	2746464	2747453	Gmdrm	hyper	CHH	0.0317
Gm12	2750677	2751654	Gmdrm	hyper	CHH	0.0154
Gm12	2851884	2852842	Gmdrm	hyper	CHH	0.0228
Gm12	2865051	2866036	Gmdrm	hyper	CHH	0.018
Gm12	2867083	2868035	Gmdrm	hyper	CHH	0.023
Gm12	2869102	2870098	Gmdrm	hyper	CHH	0.0373
Gm12	2952414	2953414	Gmdrm	hyper	CHH	0.0126
Gm12	3007591	3008554	Gmdrm	hyper	CHH	0.0344
Gm12	3101748	3102747	Gmdrm	hyper	CHH	0.0208
Gm12	3155518	3156500	Gmdrm	hyper	CHH	0.0227
Gm12	3183452	3184168	Gmdrm	hyper	CHH	0.0632
Gm12	3201589	3202563	Gmdrm	hyper	CHH	0.0232
Gm12	3329110	3330106	Gmdrm	hyper	CHH	0.0194
Gm12	3381425	3382404	Gmdrm	hyper	CHH	0.0094
Gm12	3419256	3420141	Gmdrm	hyper	CHH	0.0171
Gm12	3421252	3422252	Gmdrm	hyper	CHH	0.0225
Gm12	3500707	3501704	Gmdrm	hyper	CHH	0.0132
Gm12	3531379	3531860	Gmdrm	hyper	CHH	0.0305
Gm12	3534723	3535020	Gmdrm	hyper	CHH	0.0628
Gm12	3561080	3562078	Gmdrm	hyper	CHH	0.0177
Gm12	3604888	3605874	Gmdrm	hyper	CHH	0.0166
Gm12	3680492	3681106	Gmdrm	hyper	CHH	0.0529
Gm12	3706936	3707399	Gmdrm	hyper	CHH	0.0239
Gm12	3729555	3729771	Gmdrm	hyper	CHH	0.036
Gm12	3757629	3758343	Gmdrm	hyper	CHH	0.0234
Gm12	3857196	3857706	Gmdrm	hyper	CHH	0.0213
Gm12	3862858	3863845	Gmdrm	hyper	CHH	0.0125
Gm12	3948731	3949731	Gmdrm	hyper	CHH	0.0173
Gm12	3950972	3951969	Gmdrm	hyper	CHH	0.0252
Gm12	3960116	3961092	Gmdrm	hyper	CHH	0.0278
Gm12	3961122	3962104	Gmdrm	hyper	CHH	0.0311
Gm12	3971281	3972256	Gmdrm	hyper	CHH	0.0253
Gm12	4000386	4000589	Gmdrm	hyper	CHH	0.0173
Gm12	4010494	4011129	Gmdrm	hyper	CHH	0.0176
Gm12	4029958	4030943	Gmdrm	hyper	CHH	0.0237
Gm12	4053211	4054183	Gmdrm	hyper	CHH	0.0144
Gm12	4061364	4061701	Gmdrm	hyper	CHH	0.0307
Gm12	4063047	4063387	Gmdrm	hyper	CHH	0.06
Gm12	4110113	4110936	Gmdrm	hyper	CHH	0.0244
Gm12	4116761	4117743	Gmdrm	hyper	CHH	0.014
Gm12	4117768	4118765	Gmdrm	hyper	CHH	0.0148
Gm12	4118775	4119221	Gmdrm	hyper	CHH	0.0317
Gm12	4126252	4127222	Gmdrm	hyper	CHH	0.022
Gm12	4221161	4222154	Gmdrm	hyper	CHH	0.0186
Gm12	4233594	4233762	Gmdrm	hyper	CHH	0.0367
Gm12	4241011	4241092	Gmdrm	hyper	CHH	0.07

Gm12	4259304	4260268	Gmdrm	hyper	CHH	0.0106
Gm12	4305597	4305689	Gmdrm	hyper	CHH	0.1167
Gm12	4330215	4330477	Gmdrm	hyper	CHH	0.0309
Gm12	4348252	4348679	Gmdrm	hyper	CHH	0.0641
Gm12	4369124	4369555	Gmdrm	hyper	CHH	0.0295
Gm12	4400495	4401043	Gmdrm	hyper	CHH	0.0656
Gm12	4424668	4425647	Gmdrm	hyper	CHH	0.0171
Gm12	4444817	4445062	Gmdrm	hyper	CHH	0.0338
Gm12	4459504	4460497	Gmdrm	hyper	CHH	0.021
Gm12	4492252	4493236	Gmdrm	hyper	CHH	0.012
Gm12	4512330	4513325	Gmdrm	hyper	CHH	0.0246
Gm12	4577508	4578440	Gmdrm	hyper	CHH	0.0193
Gm12	4626884	4627872	Gmdrm	hyper	CHH	0.0119
Gm12	4651363	4652337	Gmdrm	hyper	CHH	0.0127
Gm12	4668102	4668271	Gmdrm	hyper	CHH	0.0556
Gm12	4681776	4682768	Gmdrm	hyper	CHH	0.0416
Gm12	4710968	4711961	Gmdrm	hyper	CHH	0.0194
Gm12	4733467	4733961	Gmdrm	hyper	CHH	0.0718
Gm12	4807302	4808264	Gmdrm	hyper	CHH	0.0175
Gm12	4843267	4844261	Gmdrm	hyper	CHH	0.0136
Gm12	4844269	4845259	Gmdrm	hyper	CHH	0.0263
Gm12	4992975	4993975	Gmdrm	hyper	CHH	0.0264
Gm12	4993976	4994547	Gmdrm	hyper	CHH	0.061
Gm12	5018271	5019270	Gmdrm	hyper	CHH	0.0215
Gm12	5034352	5034606	Gmdrm	hyper	CHH	0.0214
Gm12	5062629	5063628	Gmdrm	hyper	CHH	0.0278
Gm12	5063737	5064733	Gmdrm	hyper	CHH	0.0157
Gm12	5064750	5065685	Gmdrm	hyper	CHH	0.0156
Gm12	5128503	5128888	Gmdrm	hyper	CHH	0.0217
Gm12	5196078	5197070	Gmdrm	hyper	CHH	0.0239
Gm12	5201162	5202152	Gmdrm	hyper	CHH	0.0145
Gm12	5213905	5214902	Gmdrm	hyper	CHH	0.0314
Gm12	5222884	5223171	Gmdrm	hyper	CHH	0.0291
Gm12	5240255	5241254	Gmdrm	hyper	CHH	0.038
Gm12	5243357	5244300	Gmdrm	hyper	CHH	0.0324
Gm12	5253373	5254372	Gmdrm	hyper	CHH	0.0174
Gm12	5316206	5317201	Gmdrm	hyper	CHH	0.0166
Gm12	5358998	5359957	Gmdrm	hyper	CHH	0.0215
Gm12	5370788	5371161	Gmdrm	hyper	CHH	0.0525
Gm12	5401549	5402543	Gmdrm	hyper	CHH	0.0273
Gm12	5425854	5426854	Gmdrm	hyper	CHH	0.0148
Gm12	5453024	5454016	Gmdrm	hyper	CHH	0.012
Gm12	5497986	5498608	Gmdrm	hyper	CHH	0.0225
Gm12	5517772	5518752	Gmdrm	hyper	CHH	0.0114
Gm12	5520727	5521723	Gmdrm	hyper	CHH	0.031
Gm12	5579071	5579589	Gmdrm	hyper	CHH	0.0294

Gm12	5611771	5612770	Gmdrm	hyper	CHH	0.0221
Gm12	5734495	5735478	Gmdrm	hyper	CHH	0.0566
Gm12	5764526	5764736	Gmdrm	hyper	CHH	0.0309
Gm12	5822394	5822816	Gmdrm	hyper	CHH	0.0562
Gm12	5867006	5868001	Gmdrm	hyper	CHH	0.0149
Gm12	5904544	5904954	Gmdrm	hyper	CHH	0.0221
Gm12	5905088	5906080	Gmdrm	hyper	CHH	0.0102
Gm12	5919352	5920351	Gmdrm	hyper	CHH	0.0212
Gm12	5963726	5964711	Gmdrm	hyper	CHH	0.0105
Gm12	5980620	5981593	Gmdrm	hyper	CHH	0.0161
Gm12	5997016	5997347	Gmdrm	hyper	CHH	0.0382
Gm12	6029662	6030660	Gmdrm	hyper	CHH	0.0149
Gm12	6032691	6033681	Gmdrm	hyper	CHH	0.0238
Gm12	6079102	6080082	Gmdrm	hyper	CHH	0.0177
Gm12	6087174	6087384	Gmdrm	hyper	CHH	0.039
Gm12	6116352	6117345	Gmdrm	hyper	CHH	0.0277
Gm12	6151111	6152111	Gmdrm	hyper	CHH	0.0157
Gm12	6152112	6152433	Gmdrm	hyper	CHH	0.0424
Gm12	6196217	6197207	Gmdrm	hyper	CHH	0.0133
Gm12	6248512	6249500	Gmdrm	hyper	CHH	0.029
Gm12	6301893	6302893	Gmdrm	hyper	CHH	0.0181
Gm12	6330283	6331278	Gmdrm	hyper	CHH	0.0175
Gm12	6337958	6338782	Gmdrm	hyper	CHH	0.0264
Gm12	6407796	6408404	Gmdrm	hyper	CHH	0.0221
Gm12	6422095	6422227	Gmdrm	hyper	CHH	0.15
Gm12	6615460	6616363	Gmdrm	hyper	CHH	0.0275
Gm12	6624295	6625199	Gmdrm	hyper	CHH	0.0149
Gm12	6639588	6640549	Gmdrm	hyper	CHH	0.0221
Gm12	6702082	6703081	Gmdrm	hyper	CHH	0.0134
Gm12	6716111	6717087	Gmdrm	hyper	CHH	0.0255
Gm12	6721799	6722798	Gmdrm	hyper	CHH	0.0334
Gm12	6753990	6754990	Gmdrm	hyper	CHH	0.0703
Gm12	6755001	6756001	Gmdrm	hyper	CHH	0.0773
Gm12	6819349	6820078	Gmdrm	hyper	CHH	0.0201
Gm12	6838287	6839282	Gmdrm	hyper	CHH	0.011
Gm12	6856769	6857504	Gmdrm	hyper	CHH	0.0307
Gm12	6862536	6863530	Gmdrm	hyper	CHH	0.0166
Gm12	6918092	6918328	Gmdrm	hyper	CHH	0.0326
Gm12	6934047	6935023	Gmdrm	hyper	CHH	0.0157
Gm12	6977118	6978109	Gmdrm	hyper	CHH	0.021
Gm12	6996937	6997893	Gmdrm	hyper	CHH	0.0237
Gm12	7033924	7034875	Gmdrm	hyper	CHH	0.014
Gm12	7040935	7041709	Gmdrm	hyper	CHH	0.0304
Gm12	7048174	7049149	Gmdrm	hyper	CHH	0.023
Gm12	7053923	7054919	Gmdrm	hyper	CHH	0.0128
Gm12	7213629	7213856	Gmdrm	hyper	CHH	0.023

Gm12	7232440	7233430	Gmdrm	hyper	CHH	0.0192
Gm12	7360886	7361877	Gmdrm	hyper	CHH	0.0227
Gm12	7363923	7363940	Gmdrm	hyper	CHH	0.05
Gm12	7384706	7385701	Gmdrm	hyper	CHH	0.0312
Gm12	7583390	7584385	Gmdrm	hyper	CHH	0.0573
Gm12	7604920	7605898	Gmdrm	hyper	CHH	0.0178
Gm12	7610026	7610392	Gmdrm	hyper	CHH	0.0236
Gm12	7611072	7611747	Gmdrm	hyper	CHH	0.0282
Gm12	7658189	7659187	Gmdrm	hyper	CHH	0.0176
Gm12	7674694	7675100	Gmdrm	hyper	CHH	0.0359
Gm12	7699529	7700528	Gmdrm	hyper	CHH	0.028
Gm12	7772775	7773593	Gmdrm	hyper	CHH	0.0208
Gm12	7816122	7816789	Gmdrm	hyper	CHH	0.0193
Gm12	7820889	7821855	Gmdrm	hyper	CHH	0.019
Gm12	7838131	7839099	Gmdrm	hyper	CHH	0.0235
Gm12	7858666	7859113	Gmdrm	hyper	CHH	0.0247
Gm12	7871777	7872773	Gmdrm	hyper	CHH	0.0191
Gm12	7915210	7915875	Gmdrm	hyper	CHH	0.0296
Gm12	7957231	7958226	Gmdrm	hyper	CHH	0.0151
Gm12	7966952	7967105	Gmdrm	hyper	CHH	0.0376
Gm12	7977196	7978195	Gmdrm	hyper	CHH	0.0198
Gm12	8116157	8117121	Gmdrm	hyper	CHH	0.0135
Gm12	8154123	8155114	Gmdrm	hyper	CHH	0.0299
Gm12	8217571	8218567	Gmdrm	hyper	CHH	0.0318
Gm12	8227782	8228638	Gmdrm	hyper	CHH	0.0261
Gm12	8322948	8323917	Gmdrm	hyper	CHH	0.0114
Gm12	8330151	8330518	Gmdrm	hyper	CHH	0.0407
Gm12	8371756	8371988	Gmdrm	hyper	CHH	0.025
Gm12	8426038	8427016	Gmdrm	hyper	CHH	0.0196
Gm12	8437736	8438543	Gmdrm	hyper	CHH	0.0291
Gm12	8442748	8443740	Gmdrm	hyper	CHH	0.0188
Gm12	8445668	8446668	Gmdrm	hyper	CHH	0.0211
Gm12	8503176	8503468	Gmdrm	hyper	CHH	0.0313
Gm12	8625874	8626721	Gmdrm	hyper	CHH	0.0196
Gm12	8631583	8632546	Gmdrm	hyper	CHH	0.0153
Gm12	8685079	8686067	Gmdrm	hyper	CHH	0.0346
Gm12	8749315	8750277	Gmdrm	hyper	CHH	0.0233
Gm12	8874578	8875578	Gmdrm	hyper	CHH	0.0523
Gm12	8875581	8875802	Gmdrm	hyper	CHH	0.1988
Gm12	8917067	8917683	Gmdrm	hyper	CHH	0.0411
Gm12	9037276	9037866	Gmdrm	hyper	CHH	0.0712
Gm12	9059551	9060543	Gmdrm	hyper	CHH	0.0355
Gm12	9172650	9173638	Gmdrm	hyper	CHH	0.0286
Gm12	9256359	9256870	Gmdrm	hyper	CHH	0.042
Gm12	9349391	9349785	Gmdrm	hyper	CHH	0.028
Gm12	9365938	9366934	Gmdrm	hyper	CHH	0.0124

Gm12	9375992	9376953	Gmdrm	hyper	CHH	0.0564
Gm12	9462572	9463248	Gmdrm	hyper	CHH	0.033
Gm12	9471860	9471951	Gmdrm	hyper	CHH	0.0533
Gm12	9498594	9499592	Gmdrm	hyper	CHH	0.0439
Gm12	9499601	9499743	Gmdrm	hyper	CHH	0.1254
Gm12	9554799	9554878	Gmdrm	hyper	CHH	0.23
Gm12	9595410	9596402	Gmdrm	hyper	CHH	0.0828
Gm12	9613371	9614360	Gmdrm	hyper	CHH	0.0212
Gm12	9624252	9625243	Gmdrm	hyper	CHH	0.0331
Gm12	9768022	9769013	Gmdrm	hyper	CHH	0.016
Gm12	9780851	9781591	Gmdrm	hyper	CHH	0.0147
Gm12	9791828	9792824	Gmdrm	hyper	CHH	0.0138
Gm12	9793854	9794794	Gmdrm	hyper	CHH	0.0192
Gm12	9820045	9821027	Gmdrm	hyper	CHH	0.0295
Gm12	9824282	9825280	Gmdrm	hyper	CHH	0.0165
Gm12	9902244	9902622	Gmdrm	hyper	CHH	0.0675
Gm12	10047854	10048848	Gmdrm	hyper	CHH	0.0193
Gm12	10077693	10078675	Gmdrm	hyper	CHH	0.0151
Gm12	10174938	10175936	Gmdrm	hyper	CHH	0.0316
Gm12	10179713	10180712	Gmdrm	hyper	CHH	0.0522
Gm12	10219046	10219612	Gmdrm	hyper	CHH	0.0464
Gm12	10255578	10256575	Gmdrm	hyper	CHH	0.0401
Gm12	10256583	10256957	Gmdrm	hyper	CHH	0.0321
Gm12	10407891	10408887	Gmdrm	hyper	CHH	0.0137
Gm12	10445786	10446756	Gmdrm	hyper	CHH	0.0208
Gm12	10449034	10449565	Gmdrm	hyper	CHH	0.0158
Gm12	10450671	10451631	Gmdrm	hyper	CHH	0.0147
Gm12	10452679	10453607	Gmdrm	hyper	CHH	0.0287
Gm12	10752852	10753313	Gmdrm	hyper	CHH	0.0367
Gm12	10763378	10764374	Gmdrm	hyper	CHH	0.0633
Gm12	10791928	10792922	Gmdrm	hyper	CHH	0.0179
Gm12	10814431	10815427	Gmdrm	hyper	CHH	0.021
Gm12	10842053	10842400	Gmdrm	hyper	CHH	0.0692
Gm12	10870765	10871717	Gmdrm	hyper	CHH	0.0582
Gm12	10883987	10884851	Gmdrm	hyper	CHH	0.0132
Gm12	10970050	10970240	Gmdrm	hyper	CHH	0.044
Gm12	11050301	11051299	Gmdrm	hyper	CHH	0.0388
Gm12	11282178	11283158	Gmdrm	hyper	CHH	0.0116
Gm12	11373694	11374669	Gmdrm	hyper	CHH	0.0162
Gm12	11406286	11406375	Gmdrm	hyper	CHH	0.2493
Gm12	11474849	11475847	Gmdrm	hyper	CHH	0.0604
Gm12	11504228	11504335	Gmdrm	hyper	CHH	0.2083
Gm12	11527079	11528073	Gmdrm	hyper	CHH	0.0206
Gm12	11561773	11562771	Gmdrm	hyper	CHH	0.0423
Gm12	11654778	11655534	Gmdrm	hyper	CHH	0.0229
Gm12	11724817	11725140	Gmdrm	hyper	CHH	0.04

Gm12	11887770	11888768	Gmdrm	hyper	CHH	0.0205
Gm12	12034795	12035794	Gmdrm	hyper	CHH	0.046
Gm12	12035799	12036798	Gmdrm	hyper	CHH	0.0306
Gm12	12216799	12217150	Gmdrm	hyper	CHH	0.0908
Gm12	12237722	12238425	Gmdrm	hyper	CHH	0.0531
Gm12	12357132	12358127	Gmdrm	hyper	CHH	0.0226
Gm12	12501688	12502634	Gmdrm	hyper	CHH	0.0217
Gm12	12595750	12595968	Gmdrm	hyper	CHH	0.0211
Gm12	12596069	12596630	Gmdrm	hyper	CHH	0.0168
Gm12	12628582	12628880	Gmdrm	hyper	CHH	0.0845
Gm12	12696164	12697164	Gmdrm	hyper	CHH	0.0142
Gm12	12816405	12817396	Gmdrm	hyper	CHH	0.0143
Gm12	12826383	12827379	Gmdrm	hyper	CHH	0.0177
Gm12	12855099	12856093	Gmdrm	hyper	CHH	0.0198
Gm12	12903554	12903586	Gmdrm	hyper	CHH	0.14
Gm12	12977183	12977834	Gmdrm	hyper	CHH	0.0216
Gm12	13019812	13020812	Gmdrm	hyper	CHH	0.0635
Gm12	13073272	13074262	Gmdrm	hyper	CHH	0.0216
Gm12	13272008	13273008	Gmdrm	hyper	CHH	0.0481
Gm12	13275028	13276026	Gmdrm	hyper	CHH	0.0576
Gm12	13283538	13284536	Gmdrm	hyper	CHH	0.0801
Gm12	13348168	13349134	Gmdrm	hyper	CHH	0.0167
Gm12	13466717	13467717	Gmdrm	hyper	CHH	0.0492
Gm12	13467722	13468703	Gmdrm	hyper	CHH	0.0168
Gm12	13657709	13658703	Gmdrm	hyper	CHH	0.0604
Gm12	13658711	13659707	Gmdrm	hyper	CHH	0.0219
Gm12	13697415	13698413	Gmdrm	hyper	CHH	0.0603
Gm12	13763568	13764558	Gmdrm	hyper	CHH	0.0426
Gm12	13770077	13771075	Gmdrm	hyper	CHH	0.0342
Gm12	13804512	13805512	Gmdrm	hyper	CHH	0.0216
Gm12	13837965	13838964	Gmdrm	hyper	CHH	0.0471
Gm12	13839985	13840919	Gmdrm	hyper	CHH	0.0411
Gm12	13842021	13843017	Gmdrm	hyper	CHH	0.0336
Gm12	13919473	13920457	Gmdrm	hyper	CHH	0.0139
Gm12	13933448	13934448	Gmdrm	hyper	CHH	0.0544
Gm12	13936461	13937419	Gmdrm	hyper	CHH	0.0634
Gm12	14069460	14070437	Gmdrm	hyper	CHH	0.0336
Gm12	14091640	14091793	Gmdrm	hyper	CHH	0.091
Gm12	14205347	14206344	Gmdrm	hyper	CHH	0.023
Gm12	14278197	14279197	Gmdrm	hyper	CHH	0.0437
Gm12	14307099	14308058	Gmdrm	hyper	CHH	0.0192
Gm12	14316958	14317578	Gmdrm	hyper	CHH	0.0737
Gm12	14348715	14349686	Gmdrm	hyper	CHH	0.0235
Gm12	14511118	14512101	Gmdrm	hyper	CHH	0.0168
Gm12	14702732	14703731	Gmdrm	hyper	CHH	0.0394
Gm12	14704738	14705732	Gmdrm	hyper	CHH	0.0496

Gm12	14705791	14706782	Gmdrm	hyper	CHH	0.0148
Gm12	14709602	14710592	Gmdrm	hyper	CHH	0.0257
Gm12	14726942	14727939	Gmdrm	hyper	CHH	0.0675
Gm12	14727943	14728686	Gmdrm	hyper	CHH	0.0511
Gm12	14732628	14733626	Gmdrm	hyper	CHH	0.0373
Gm12	14760090	14761089	Gmdrm	hyper	CHH	0.0266
Gm12	14814244	14815235	Gmdrm	hyper	CHH	0.0256
Gm12	14817249	14818204	Gmdrm	hyper	CHH	0.0393
Gm12	14821635	14822632	Gmdrm	hyper	CHH	0.0199
Gm12	14822642	14823633	Gmdrm	hyper	CHH	0.0211
Gm12	14908291	14908504	Gmdrm	hyper	CHH	0.0607
Gm12	14910453	14911444	Gmdrm	hyper	CHH	0.0619
Gm12	14974401	14975391	Gmdrm	hyper	CHH	0.0351
Gm12	15004526	15004578	Gmdrm	hyper	CHH	0.034
Gm12	15101951	15102947	Gmdrm	hyper	CHH	0.0164
Gm12	15133695	15134082	Gmdrm	hyper	CHH	0.1537
Gm12	15169781	15170763	Gmdrm	hyper	CHH	0.0315
Gm12	15271142	15271441	Gmdrm	hyper	CHH	0.138
Gm12	15282901	15283120	Gmdrm	hyper	CHH	0.11
Gm12	15309104	15310103	Gmdrm	hyper	CHH	0.0481
Gm12	15338360	15339360	Gmdrm	hyper	CHH	0.0436
Gm12	15384242	15385241	Gmdrm	hyper	CHH	0.0238
Gm12	15560335	15561326	Gmdrm	hyper	CHH	0.0142
Gm12	15578193	15578646	Gmdrm	hyper	CHH	0.0258
Gm12	15670531	15671530	Gmdrm	hyper	CHH	0.075
Gm12	15698964	15699951	Gmdrm	hyper	CHH	0.0576
Gm12	15699978	15700974	Gmdrm	hyper	CHH	0.1195
Gm12	15700979	15701968	Gmdrm	hyper	CHH	0.0812
Gm12	15772212	15773212	Gmdrm	hyper	CHH	0.0584
Gm12	15776909	15777460	Gmdrm	hyper	CHH	0.1408
Gm12	15841583	15842579	Gmdrm	hyper	CHH	0.0463
Gm12	15877545	15878545	Gmdrm	hyper	CHH	0.0924
Gm12	15895250	15896233	Gmdrm	hyper	CHH	0.0298
Gm12	15979689	15980679	Gmdrm	hyper	CHH	0.0529
Gm12	15980693	15981683	Gmdrm	hyper	CHH	0.0574
Gm12	16013271	16014237	Gmdrm	hyper	CHH	0.0121
Gm12	16039702	16040691	Gmdrm	hyper	CHH	0.0231
Gm12	16128717	16129712	Gmdrm	hyper	CHH	0.0666
Gm12	16201455	16202454	Gmdrm	hyper	CHH	0.0176
Gm12	16274811	16275796	Gmdrm	hyper	CHH	0.0159
Gm12	16278360	16279349	Gmdrm	hyper	CHH	0.0258
Gm12	16279363	16279470	Gmdrm	hyper	CHH	0.0383
Gm12	16335020	16335570	Gmdrm	hyper	CHH	0.0349
Gm12	16374340	16374655	Gmdrm	hyper	CHH	0.024
Gm12	16596403	16597073	Gmdrm	hyper	CHH	0.0232
Gm12	16673225	16674202	Gmdrm	hyper	CHH	0.0168

Gm12	16916747	16917222	Gmdrm	hyper	CHH	0.0867
Gm12	16921025	16921997	Gmdrm	hyper	CHH	0.0499
Gm12	16960304	16960809	Gmdrm	hyper	CHH	0.0233
Gm12	17023620	17024590	Gmdrm	hyper	CHH	0.0335
Gm12	17103109	17103920	Gmdrm	hyper	CHH	0.0199
Gm12	17148664	17149553	Gmdrm	hyper	CHH	0.0198
Gm12	17149676	17150654	Gmdrm	hyper	CHH	0.0207
Gm12	17251062	17252059	Gmdrm	hyper	CHH	0.0398
Gm12	17268215	17269212	Gmdrm	hyper	CHH	0.0475
Gm12	17307149	17308139	Gmdrm	hyper	CHH	0.0153
Gm12	17325695	17326171	Gmdrm	hyper	CHH	0.1052
Gm12	17326522	17326540	Gmdrm	hyper	CHH	0.3771
Gm12	17335981	17336978	Gmdrm	hyper	CHH	0.0411
Gm12	17358130	17358753	Gmdrm	hyper	CHH	0.0376
Gm12	17359884	17360874	Gmdrm	hyper	CHH	0.0273
Gm12	17362239	17363228	Gmdrm	hyper	CHH	0.0201
Gm12	17485303	17485953	Gmdrm	hyper	CHH	0.0431
Gm12	17501037	17502035	Gmdrm	hyper	CHH	0.0622
Gm12	17850316	17850629	Gmdrm	hyper	CHH	0.0357
Gm12	18016217	18017194	Gmdrm	hyper	CHH	0.0552
Gm12	18139543	18140535	Gmdrm	hyper	CHH	0.0595
Gm12	18151466	18152460	Gmdrm	hyper	CHH	0.0142
Gm12	18177468	18178437	Gmdrm	hyper	CHH	0.0161
Gm12	18338230	18339224	Gmdrm	hyper	CHH	0.053
Gm12	18369477	18370473	Gmdrm	hyper	CHH	0.0452
Gm12	18608267	18608525	Gmdrm	hyper	CHH	0.1363
Gm12	18816853	18817851	Gmdrm	hyper	CHH	0.0701
Gm12	19041247	19042241	Gmdrm	hyper	CHH	0.0198
Gm12	19093017	19093118	Gmdrm	hyper	CHH	0.13
Gm12	19132520	19133456	Gmdrm	hyper	CHH	0.0458
Gm12	19437864	19438818	Gmdrm	hyper	CHH	0.0819
Gm12	19444928	19445905	Gmdrm	hyper	CHH	0.0355
Gm12	19530562	19531556	Gmdrm	hyper	CHH	0.0247
Gm12	19647586	19648570	Gmdrm	hyper	CHH	0.055
Gm12	19678084	19679077	Gmdrm	hyper	CHH	0.0485
Gm12	19775267	19775338	Gmdrm	hyper	CHH	0.2428
Gm12	20044975	20045973	Gmdrm	hyper	CHH	0.0455
Gm12	20297497	20297645	Gmdrm	hyper	CHH	0.1017
Gm12	20298810	20299788	Gmdrm	hyper	CHH	0.0225
Gm12	20733018	20734010	Gmdrm	hyper	CHH	0.0193
Gm12	20736481	20737473	Gmdrm	hyper	CHH	0.0355
Gm12	20804819	20805814	Gmdrm	hyper	CHH	0.0457
Gm12	20822873	20823873	Gmdrm	hyper	CHH	0.0103
Gm12	21179495	21180424	Gmdrm	hyper	CHH	0.0718
Gm12	21229120	21230111	Gmdrm	hyper	CHH	0.0122
Gm12	21251291	21252276	Gmdrm	hyper	CHH	0.042

Gm12	21428910	21429876	Gmdrm	hyper	CHH	0.02
Gm12	21489706	21490230	Gmdrm	hyper	CHH	0.02
Gm12	21571894	21572891	Gmdrm	hyper	CHH	0.0574
Gm12	21572907	21573907	Gmdrm	hyper	CHH	0.0304
Gm12	21610464	21611459	Gmdrm	hyper	CHH	0.0555
Gm12	21693725	21694722	Gmdrm	hyper	CHH	0.0225
Gm12	21752521	21753076	Gmdrm	hyper	CHH	0.0712
Gm12	22136371	22137367	Gmdrm	hyper	CHH	0.0621
Gm12	22140388	22141380	Gmdrm	hyper	CHH	0.0483
Gm12	22203265	22204260	Gmdrm	hyper	CHH	0.0337
Gm12	22258717	22258798	Gmdrm	hyper	CHH	0.2263
Gm12	22469943	22470023	Gmdrm	hyper	CHH	0.102
Gm12	22540918	22540980	Gmdrm	hyper	CHH	0.194
Gm12	23003778	23004770	Gmdrm	hyper	CHH	0.0816
Gm12	23004792	23004964	Gmdrm	hyper	CHH	0.0828
Gm12	23058449	23059440	Gmdrm	hyper	CHH	0.0302
Gm12	23071051	23072051	Gmdrm	hyper	CHH	0.0532
Gm12	23078237	23079233	Gmdrm	hyper	CHH	0.0135
Gm12	23097795	23098788	Gmdrm	hyper	CHH	0.0315
Gm12	23204282	23205282	Gmdrm	hyper	CHH	0.0379
Gm12	23356494	23357493	Gmdrm	hyper	CHH	0.0436
Gm12	23360511	23361503	Gmdrm	hyper	CHH	0.0247
Gm12	23379637	23380632	Gmdrm	hyper	CHH	0.039
Gm12	23381648	23382646	Gmdrm	hyper	CHH	0.0446
Gm12	23454372	23454804	Gmdrm	hyper	CHH	0.0821
Gm12	23534767	23535105	Gmdrm	hyper	CHH	0.1597
Gm12	23588698	23588815	Gmdrm	hyper	CHH	0.231
Gm12	23642945	23643943	Gmdrm	hyper	CHH	0.0463
Gm12	23643955	23644954	Gmdrm	hyper	CHH	0.0423
Gm12	23678345	23678579	Gmdrm	hyper	CHH	0.1405
Gm12	23713978	23714978	Gmdrm	hyper	CHH	0.0466
Gm12	23881183	23882158	Gmdrm	hyper	CHH	0.0327
Gm12	23958896	23959894	Gmdrm	hyper	CHH	0.066
Gm12	24240703	24241697	Gmdrm	hyper	CHH	0.0212
Gm12	24261836	24262836	Gmdrm	hyper	CHH	0.0431
Gm12	24644327	24645300	Gmdrm	hyper	CHH	0.0191
Gm12	24658175	24658600	Gmdrm	hyper	CHH	0.1004
Gm12	24801520	24801608	Gmdrm	hyper	CHH	0.187
Gm12	24848971	24849917	Gmdrm	hyper	CHH	0.036
Gm12	25055030	25056014	Gmdrm	hyper	CHH	0.0571
Gm12	25162120	25162974	Gmdrm	hyper	CHH	0.0835
Gm12	25384348	25384555	Gmdrm	hyper	CHH	0.0938
Gm12	25472316	25473140	Gmdrm	hyper	CHH	0.0545
Gm12	25527644	25528121	Gmdrm	hyper	CHH	0.0821
Gm12	25736767	25737158	Gmdrm	hyper	CHH	0.1211
Gm12	25797924	25798154	Gmdrm	hyper	CHH	0.0417

Gm12	25993862	25993980	Gmdrm	hyper	CHH	0.1857
Gm12	26135322	26136308	Gmdrm	hyper	CHH	0.0404
Gm12	26413553	26414543	Gmdrm	hyper	CHH	0.0391
Gm12	26423411	26423433	Gmdrm	hyper	CHH	0.28
Gm12	26674985	26675096	Gmdrm	hyper	CHH	0.1716
Gm12	26740032	26741024	Gmdrm	hyper	CHH	0.0499
Gm12	27095274	27095326	Gmdrm	hyper	CHH	0.1714
Gm12	27792790	27793411	Gmdrm	hyper	CHH	0.0643
Gm12	27797256	27797439	Gmdrm	hyper	CHH	0.0882
Gm12	27880560	27880583	Gmdrm	hyper	CHH	0.2237
Gm12	28177322	28178056	Gmdrm	hyper	CHH	0.054
Gm12	28465928	28466920	Gmdrm	hyper	CHH	0.0602
Gm12	28523891	28524007	Gmdrm	hyper	CHH	0.0914
Gm12	28926230	28927180	Gmdrm	hyper	CHH	0.0461
Gm12	28940930	28940965	Gmdrm	hyper	CHH	0.182
Gm12	28985167	28986167	Gmdrm	hyper	CHH	0.0227
Gm12	29017621	29018610	Gmdrm	hyper	CHH	0.0341
Gm12	29492321	29492860	Gmdrm	hyper	CHH	0.1044
Gm12	29604291	29605286	Gmdrm	hyper	CHH	0.0543
Gm12	29685336	29686334	Gmdrm	hyper	CHH	0.0279
Gm12	29796464	29796525	Gmdrm	hyper	CHH	0.189
Gm12	29857396	29857949	Gmdrm	hyper	CHH	0.1061
Gm12	30082847	30083049	Gmdrm	hyper	CHH	0.165
Gm12	30083937	30084313	Gmdrm	hyper	CHH	0.1063
Gm12	30193283	30193412	Gmdrm	hyper	CHH	0.1662
Gm12	30211618	30211697	Gmdrm	hyper	CHH	0.2
Gm12	30250077	30251028	Gmdrm	hyper	CHH	0.0193
Gm12	30490581	30491577	Gmdrm	hyper	CHH	0.0114
Gm12	30634295	30635293	Gmdrm	hyper	CHH	0.0689
Gm12	30828640	30828833	Gmdrm	hyper	CHH	0.0983
Gm12	30952754	30953754	Gmdrm	hyper	CHH	0.0167
Gm12	31256466	31257466	Gmdrm	hyper	CHH	0.017
Gm12	31257469	31258457	Gmdrm	hyper	CHH	0.0298
Gm12	31447126	31448114	Gmdrm	hyper	CHH	0.0194
Gm12	31545024	31545229	Gmdrm	hyper	CHH	0.0635
Gm12	31603118	31603395	Gmdrm	hyper	CHH	0.1122
Gm12	31631481	31631581	Gmdrm	hyper	CHH	0.052
Gm12	31667546	31668544	Gmdrm	hyper	CHH	0.0437
Gm12	31687535	31688414	Gmdrm	hyper	CHH	0.0631
Gm12	31796454	31797449	Gmdrm	hyper	CHH	0.0528
Gm12	31804997	31805950	Gmdrm	hyper	CHH	0.0272
Gm12	31821637	31822631	Gmdrm	hyper	CHH	0.0511
Gm12	31873995	31874989	Gmdrm	hyper	CHH	0.0337
Gm12	31908942	31909937	Gmdrm	hyper	CHH	0.0285
Gm12	31915354	31916062	Gmdrm	hyper	CHH	0.0502
Gm12	31921603	31922579	Gmdrm	hyper	CHH	0.0368

Gm12	31930344	31931312	Gmdrm	hyper	CHH	0.0482
Gm12	32087619	32088075	Gmdrm	hyper	CHH	0.0302
Gm12	32162148	32163145	Gmdrm	hyper	CHH	0.0401
Gm12	32189807	32190300	Gmdrm	hyper	CHH	0.0353
Gm12	32195379	32196368	Gmdrm	hyper	CHH	0.0193
Gm12	32221589	32221647	Gmdrm	hyper	CHH	0.2075
Gm12	32248641	32248723	Gmdrm	hyper	CHH	0.1957
Gm12	32434530	32435214	Gmdrm	hyper	CHH	0.0242
Gm12	32451945	32452174	Gmdrm	hyper	CHH	0.182
Gm12	32509516	32510506	Gmdrm	hyper	CHH	0.0556
Gm12	32589064	32590063	Gmdrm	hyper	CHH	0.0296
Gm12	32901142	32901540	Gmdrm	hyper	CHH	0.0226
Gm12	33121923	33122317	Gmdrm	hyper	CHH	0.046
Gm12	33192637	33193591	Gmdrm	hyper	CHH	0.025
Gm12	33299492	33300466	Gmdrm	hyper	CHH	0.0244
Gm12	33301530	33302190	Gmdrm	hyper	CHH	0.0247
Gm12	33324347	33324440	Gmdrm	hyper	CHH	0.03
Gm12	33338946	33339083	Gmdrm	hyper	CHH	0.05
Gm12	33349489	33350486	Gmdrm	hyper	CHH	0.0858
Gm12	33352664	33353659	Gmdrm	hyper	CHH	0.0479
Gm12	33514003	33514978	Gmdrm	hyper	CHH	0.0172
Gm12	33571755	33571924	Gmdrm	hyper	CHH	0.05
Gm12	33630849	33631833	Gmdrm	hyper	CHH	0.0684
Gm12	33749472	33750467	Gmdrm	hyper	CHH	0.0198
Gm12	33783212	33783852	Gmdrm	hyper	CHH	0.0172
Gm12	33827524	33828524	Gmdrm	hyper	CHH	0.0592
Gm12	33870965	33871931	Gmdrm	hyper	CHH	0.0144
Gm12	33900462	33901450	Gmdrm	hyper	CHH	0.015
Gm12	33998023	33998126	Gmdrm	hyper	CHH	0.166
Gm12	34027281	34028278	Gmdrm	hyper	CHH	0.0793
Gm12	34028287	34029281	Gmdrm	hyper	CHH	0.0302
Gm12	34073722	34074720	Gmdrm	hyper	CHH	0.0534
Gm12	34141948	34142922	Gmdrm	hyper	CHH	0.0092
Gm12	34156984	34157983	Gmdrm	hyper	CHH	0.0146
Gm12	34162051	34162877	Gmdrm	hyper	CHH	0.068
Gm12	34165323	34166286	Gmdrm	hyper	CHH	0.0136
Gm12	34168973	34169961	Gmdrm	hyper	CHH	0.0175
Gm12	34264485	34264551	Gmdrm	hyper	CHH	0.0455
Gm12	34340107	34340384	Gmdrm	hyper	CHH	0.05
Gm12	34407414	34408404	Gmdrm	hyper	CHH	0.0146
Gm12	34438143	34439116	Gmdrm	hyper	CHH	0.0203
Gm12	34471011	34471873	Gmdrm	hyper	CHH	0.0122
Gm12	34494326	34495138	Gmdrm	hyper	CHH	0.031
Gm12	34537004	34537984	Gmdrm	hyper	CHH	0.0277
Gm12	34623920	34624895	Gmdrm	hyper	CHH	0.0123
Gm12	34728099	34729099	Gmdrm	hyper	CHH	0.0166

Gm12	34782189	34783171	Gmdrm	hyper	CHH	0.0382
Gm12	34796387	34796604	Gmdrm	hyper	CHH	0.0306
Gm12	34892981	34893212	Gmdrm	hyper	CHH	0.0725
Gm12	35049208	35049638	Gmdrm	hyper	CHH	0.025
Gm12	35064150	35065131	Gmdrm	hyper	CHH	0.0149
Gm12	35136758	35137753	Gmdrm	hyper	CHH	0.0328
Gm12	35259807	35260597	Gmdrm	hyper	CHH	0.0687
Gm12	35421252	35422251	Gmdrm	hyper	CHH	0.0503
Gm12	35452604	35453512	Gmdrm	hyper	CHH	0.0221
Gm12	35456283	35457282	Gmdrm	hyper	CHH	0.0115
Gm12	35521759	35522079	Gmdrm	hyper	CHH	0.0577
Gm12	35533414	35534286	Gmdrm	hyper	CHH	0.0177
Gm12	35572032	35573020	Gmdrm	hyper	CHH	0.0204
Gm12	35633306	35634303	Gmdrm	hyper	CHH	0.0155
Gm12	35658968	35659938	Gmdrm	hyper	CHH	0.0192
Gm12	35731847	35732356	Gmdrm	hyper	CHH	0.0263
Gm12	35750410	35751400	Gmdrm	hyper	CHH	0.0151
Gm12	35752422	35753414	Gmdrm	hyper	CHH	0.0164
Gm12	35759709	35760694	Gmdrm	hyper	CHH	0.0184
Gm12	35845053	35846044	Gmdrm	hyper	CHH	0.0127
Gm12	35849375	35850325	Gmdrm	hyper	CHH	0.0174
Gm12	35862285	35862476	Gmdrm	hyper	CHH	0.0508
Gm12	35896371	35897312	Gmdrm	hyper	CHH	0.0127
Gm12	35932766	35932938	Gmdrm	hyper	CHH	0.0543
Gm12	36085029	36086020	Gmdrm	hyper	CHH	0.032
Gm12	36100331	36101304	Gmdrm	hyper	CHH	0.0329
Gm12	36122446	36123410	Gmdrm	hyper	CHH	0.0206
Gm12	36182993	36183951	Gmdrm	hyper	CHH	0.0333
Gm12	36282690	36283675	Gmdrm	hyper	CHH	0.0162
Gm12	36307163	36308145	Gmdrm	hyper	CHH	0.0318
Gm12	36339962	36340139	Gmdrm	hyper	CHH	0.105
Gm12	36398899	36399867	Gmdrm	hyper	CHH	0.0726
Gm12	36433106	36433355	Gmdrm	hyper	CHH	0.0368
Gm12	36440347	36441341	Gmdrm	hyper	CHH	0.038
Gm12	36466262	36467240	Gmdrm	hyper	CHH	0.0181
Gm12	36585138	36586104	Gmdrm	hyper	CHH	0.0311
Gm12	36617936	36618901	Gmdrm	hyper	CHH	0.0152
Gm12	36687103	36687679	Gmdrm	hyper	CHH	0.0306
Gm12	36704007	36704784	Gmdrm	hyper	CHH	0.0172
Gm12	36790362	36791362	Gmdrm	hyper	CHH	0.0868
Gm12	36791366	36792364	Gmdrm	hyper	CHH	0.1105
Gm12	36792369	36793366	Gmdrm	hyper	CHH	0.1318
Gm12	36793374	36794372	Gmdrm	hyper	CHH	0.0679
Gm12	36797600	36798599	Gmdrm	hyper	CHH	0.0658
Gm12	36886599	36887596	Gmdrm	hyper	CHH	0.012
Gm12	36936096	36937078	Gmdrm	hyper	CHH	0.0165

Gm12	36946170	36946714	Gmdrm	hyper	CHH	0.022
Gm12	37032079	37032731	Gmdrm	hyper	CHH	0.0215
Gm12	37057601	37058598	Gmdrm	hyper	CHH	0.0133
Gm12	37081894	37082862	Gmdrm	hyper	CHH	0.0245
Gm12	37104415	37105376	Gmdrm	hyper	CHH	0.0311
Gm12	37113721	37114045	Gmdrm	hyper	CHH	0.0609
Gm12	37125665	37126661	Gmdrm	hyper	CHH	0.0131
Gm12	37135901	37136898	Gmdrm	hyper	CHH	0.0258
Gm12	37138979	37139975	Gmdrm	hyper	CHH	0.0156
Gm12	37142859	37143212	Gmdrm	hyper	CHH	0.0372
Gm12	37160951	37161942	Gmdrm	hyper	CHH	0.0308
Gm12	37245093	37246087	Gmdrm	hyper	CHH	0.028
Gm12	37290452	37291449	Gmdrm	hyper	CHH	0.0171
Gm12	37308047	37308121	Gmdrm	hyper	CHH	0.116
Gm12	37309643	37310638	Gmdrm	hyper	CHH	0.0145
Gm12	37317288	37318283	Gmdrm	hyper	CHH	0.0291
Gm12	37319160	37320106	Gmdrm	hyper	CHH	0.0247
Gm12	37432485	37433445	Gmdrm	hyper	CHH	0.0146
Gm12	37440339	37441330	Gmdrm	hyper	CHH	0.0365
Gm12	37464424	37465416	Gmdrm	hyper	CHH	0.0129
Gm12	37589499	37590310	Gmdrm	hyper	CHH	0.0313
Gm12	37675850	37676834	Gmdrm	hyper	CHH	0.03
Gm12	37876123	37876729	Gmdrm	hyper	CHH	0.0209
Gm12	37883380	37884364	Gmdrm	hyper	CHH	0.0212
Gm12	37886678	37887677	Gmdrm	hyper	CHH	0.0136
Gm12	37892036	37892645	Gmdrm	hyper	CHH	0.0239
Gm12	37904306	37904743	Gmdrm	hyper	CHH	0.0328
Gm12	37984773	37985095	Gmdrm	hyper	CHH	0.0323
Gm12	37988334	37989334	Gmdrm	hyper	CHH	0.0163
Gm12	38000028	38001024	Gmdrm	hyper	CHH	0.0133
Gm12	38033105	38033304	Gmdrm	hyper	CHH	0.0867
Gm12	38035027	38035402	Gmdrm	hyper	CHH	0.034
Gm12	38040205	38040569	Gmdrm	hyper	CHH	0.0169
Gm12	38061370	38061611	Gmdrm	hyper	CHH	0.0464
Gm12	38072735	38073711	Gmdrm	hyper	CHH	0.0176
Gm12	38123629	38124574	Gmdrm	hyper	CHH	0.0108
Gm12	38152940	38153924	Gmdrm	hyper	CHH	0.016
Gm12	38163840	38164787	Gmdrm	hyper	CHH	0.0254
Gm12	38168051	38168407	Gmdrm	hyper	CHH	0.03
Gm12	38217706	38218263	Gmdrm	hyper	CHH	0.0377
Gm12	38243567	38243775	Gmdrm	hyper	CHH	0.0441
Gm12	38289271	38290252	Gmdrm	hyper	CHH	0.0165
Gm12	38299782	38300419	Gmdrm	hyper	CHH	0.0475
Gm12	38322900	38323885	Gmdrm	hyper	CHH	0.0095
Gm12	38388486	38388769	Gmdrm	hyper	CHH	0.0496
Gm12	38425910	38426116	Gmdrm	hyper	CHH	0.026

Gm12	38469055	38469988	Gmdrm	hyper	CHH	0.062
Gm12	38488024	38488998	Gmdrm	hyper	CHH	0.0234
Gm12	38504267	38504637	Gmdrm	hyper	CHH	0.0555
Gm12	38562067	38562540	Gmdrm	hyper	CHH	0.0235
Gm12	38588762	38589693	Gmdrm	hyper	CHH	0.0173
Gm12	38620511	38621510	Gmdrm	hyper	CHH	0.0293
Gm12	38670020	38671011	Gmdrm	hyper	CHH	0.0152
Gm12	38705488	38705982	Gmdrm	hyper	CHH	0.0203
Gm12	38739810	38740730	Gmdrm	hyper	CHH	0.0156
Gm12	38754806	38755044	Gmdrm	hyper	CHH	0.0424
Gm12	38806498	38806858	Gmdrm	hyper	CHH	0.0271
Gm12	38835939	38836928	Gmdrm	hyper	CHH	0.0285
Gm12	38858016	38858983	Gmdrm	hyper	CHH	0.0144
Gm12	38859033	38860024	Gmdrm	hyper	CHH	0.0248
Gm12	38895815	38896421	Gmdrm	hyper	CHH	0.0217
Gm12	38899817	38900666	Gmdrm	hyper	CHH	0.0234
Gm12	38909427	38910421	Gmdrm	hyper	CHH	0.0164
Gm12	38944246	38945238	Gmdrm	hyper	CHH	0.0121
Gm12	39037235	39037602	Gmdrm	hyper	CHH	0.035
Gm12	39063102	39064079	Gmdrm	hyper	CHH	0.0275
Gm12	39100015	39101009	Gmdrm	hyper	CHH	0.0245
Gm12	39225699	39225746	Gmdrm	hyper	CHH	0.0867
Gm12	39234188	39235178	Gmdrm	hyper	CHH	0.0253
Gm12	39242618	39243606	Gmdrm	hyper	CHH	0.01
Gm12	39348248	39348892	Gmdrm	hyper	CHH	0.0207
Gm12	39362384	39363369	Gmdrm	hyper	CHH	0.0255
Gm12	39431323	39432313	Gmdrm	hyper	CHH	0.0202
Gm12	39437148	39438133	Gmdrm	hyper	CHH	0.0185
Gm12	39438162	39438549	Gmdrm	hyper	CHH	0.0224
Gm12	39463327	39464325	Gmdrm	hyper	CHH	0.0378
Gm12	39465374	39466368	Gmdrm	hyper	CHH	0.0216
Gm12	39475257	39476005	Gmdrm	hyper	CHH	0.0215
Gm12	39556184	39556955	Gmdrm	hyper	CHH	0.0104
Gm12	39567547	39567962	Gmdrm	hyper	CHH	0.0227
Gm12	39611623	39612600	Gmdrm	hyper	CHH	0.0159
Gm12	39634294	39635285	Gmdrm	hyper	CHH	0.0154
Gm12	39651121	39651435	Gmdrm	hyper	CHH	0.0474
Gm12	39669274	39670241	Gmdrm	hyper	CHH	0.0105
Gm12	39701696	39702684	Gmdrm	hyper	CHH	0.0135
Gm12	39741702	39742060	Gmdrm	hyper	CHH	0.0268
Gm12	39753459	39753993	Gmdrm	hyper	CHH	0.03
Gm12	39763376	39764334	Gmdrm	hyper	CHH	0.0227
Gm12	39825957	39826919	Gmdrm	hyper	CHH	0.0222
Gm12	39882770	39883764	Gmdrm	hyper	CHH	0.0168
Gm12	39908611	39909242	Gmdrm	hyper	CHH	0.0343
Gm12	39912630	39913038	Gmdrm	hyper	CHH	0.0297

Gm12	39922291	39923291	Gmdrm	hyper	CHH	0.0175
Gm12	40027386	40028384	Gmdrm	hyper	CHH	0.0253
Gm12	40040442	40041415	Gmdrm	hyper	CHH	0.0211
Gm12	40059786	40060767	Gmdrm	hyper	CHH	0.0123
Gm12	40182944	40183907	Gmdrm	hyper	CHH	0.0179
Gm12	40195045	40196042	Gmdrm	hyper	CHH	0.0118
Gm12	40204672	40205665	Gmdrm	hyper	CHH	0.0272
Gm12	40210363	40211358	Gmdrm	hyper	CHH	0.0166
Gm12	40221950	40222053	Gmdrm	hyper	CHH	0.0567
Gm12	40226865	40227841	Gmdrm	hyper	CHH	0.0198
Gm12	40239492	40240492	Gmdrm	hyper	CHH	0.0192
Gm12	40382561	40383559	Gmdrm	hyper	CHH	0.0242
Gm12	40397763	40398717	Gmdrm	hyper	CHH	0.0131
Gm12	40428378	40428445	Gmdrm	hyper	CHH	0.078
Gm12	40466475	40466609	Gmdrm	hyper	CHH	0.0314
Gm12	40472317	40473315	Gmdrm	hyper	CHH	0.0136
Gm12	40491671	40492602	Gmdrm	hyper	CHH	0.0225
Gm12	40524083	40525078	Gmdrm	hyper	CHH	0.0192
Gm12	40525115	40526115	Gmdrm	hyper	CHH	0.0126
Gm12	40532672	40533647	Gmdrm	hyper	CHH	0.0481
Gm12	40537937	40538919	Gmdrm	hyper	CHH	0.0233
Gm12	40602688	40603643	Gmdrm	hyper	CHH	0.0179
Gm12	40606111	40607089	Gmdrm	hyper	CHH	0.0202
Gm12	40622372	40623351	Gmdrm	hyper	CHH	0.0059
Gm12	40715376	40715716	Gmdrm	hyper	CHH	0.0335
Gm12	40755854	40756842	Gmdrm	hyper	CHH	0.0156
Gm12	40785586	40786577	Gmdrm	hyper	CHH	0.0126
Gm12	40818599	40819576	Gmdrm	hyper	CHH	0.0262
Gm12	40831071	40832071	Gmdrm	hyper	CHH	0.0132
Gm12	40838392	40839354	Gmdrm	hyper	CHH	0.0239
Gm12	40878470	40879462	Gmdrm	hyper	CHH	0.0276
Gm12	40907447	40908440	Gmdrm	hyper	CHH	0.0154
Gm12	40908501	40909494	Gmdrm	hyper	CHH	0.0175
Gm12	40932926	40933911	Gmdrm	hyper	CHH	0.0412
Gm12	40937097	40938076	Gmdrm	hyper	CHH	0.0324
Gm12	40955021	40955671	Gmdrm	hyper	CHH	0.0268
Gm12	40956791	40957162	Gmdrm	hyper	CHH	0.018
Gm12	40965672	40966610	Gmdrm	hyper	CHH	0.0132
Gm12	40974920	40975199	Gmdrm	hyper	CHH	0.0293
Gm12	41009487	41010462	Gmdrm	hyper	CHH	0.0188
Gm12	41036643	41037621	Gmdrm	hyper	CHH	0.011
Gm12	41060775	41060918	Gmdrm	hyper	CHH	0.0514
Gm12	41080439	41080744	Gmdrm	hyper	CHH	0.0438
Gm12	41093484	41094054	Gmdrm	hyper	CHH	0.0262
Gm12	41175227	41176226	Gmdrm	hyper	CHH	0.0194
Gm12	41312279	41312668	Gmdrm	hyper	CHH	0.0197

Gm12	41330725	41331724	Gmdrm	hyper	CHH	0.0092
Gm12	41347397	41348360	Gmdrm	hyper	CHH	0.0524
Gm12	41386391	41386942	Gmdrm	hyper	CHH	0.0244
Gm12	41396500	41397482	Gmdrm	hyper	CHH	0.012
Gm12	41429667	41430663	Gmdrm	hyper	CHH	0.0146
Gm12_scaffo	7693	7884	Gmdrm	hyper	CHH	0.098
Gm13	243923	244896	Gmdrm	hyper	CHH	0.0156
Gm13	335699	336690	Gmdrm	hyper	CHH	0.0609
Gm13	450975	451975	Gmdrm	hyper	CHH	0.0457
Gm13	637205	638171	Gmdrm	hyper	CHH	0.0695
Gm13	673332	673549	Gmdrm	hyper	CHH	0.0886
Gm13	697023	698003	Gmdrm	hyper	CHH	0.0167
Gm13	776161	777152	Gmdrm	hyper	CHH	0.0229
Gm13	984629	984770	Gmdrm	hyper	CHH	0.0683
Gm13	997678	998671	Gmdrm	hyper	CHH	0.0211
Gm13	1021133	1022130	Gmdrm	hyper	CHH	0.0359
Gm13	1038482	1039458	Gmdrm	hyper	CHH	0.0184
Gm13	1125743	1125775	Gmdrm	hyper	CHH	0.335
Gm13	1283186	1283883	Gmdrm	hyper	CHH	0.0306
Gm13	1454770	1455769	Gmdrm	hyper	CHH	0.0247
Gm13	1755156	1756148	Gmdrm	hyper	CHH	0.0444
Gm13	1757160	1758157	Gmdrm	hyper	CHH	0.0373
Gm13	1769264	1770262	Gmdrm	hyper	CHH	0.0451
Gm13	1892585	1892902	Gmdrm	hyper	CHH	0.11
Gm13	1994995	1995946	Gmdrm	hyper	CHH	0.032
Gm13	2191191	2192189	Gmdrm	hyper	CHH	0.048
Gm13	2252528	2253516	Gmdrm	hyper	CHH	0.0559
Gm13	2253529	2254528	Gmdrm	hyper	CHH	0.0844
Gm13	2254532	2255526	Gmdrm	hyper	CHH	0.0799
Gm13	2255554	2256540	Gmdrm	hyper	CHH	0.059
Gm13	2412221	2413076	Gmdrm	hyper	CHH	0.1076
Gm13	2758844	2759021	Gmdrm	hyper	CHH	0.0644
Gm13	2787253	2788233	Gmdrm	hyper	CHH	0.0622
Gm13	2805417	2806415	Gmdrm	hyper	CHH	0.0202
Gm13	2877794	2878785	Gmdrm	hyper	CHH	0.0175
Gm13	2880842	2881824	Gmdrm	hyper	CHH	0.0229
Gm13	3007155	3008149	Gmdrm	hyper	CHH	0.0183
Gm13	3008195	3009184	Gmdrm	hyper	CHH	0.0275
Gm13	3016649	3017136	Gmdrm	hyper	CHH	0.1185
Gm13	3044218	3045192	Gmdrm	hyper	CHH	0.0637
Gm13	3346161	3346571	Gmdrm	hyper	CHH	0.0669
Gm13	3351243	3351524	Gmdrm	hyper	CHH	0.1512
Gm13	3381855	3382171	Gmdrm	hyper	CHH	0.0426
Gm13	3390770	3391228	Gmdrm	hyper	CHH	0.071
Gm13	3400659	3400857	Gmdrm	hyper	CHH	0.1114
Gm13	3408449	3408589	Gmdrm	hyper	CHH	0.0958

Gm13	3422255	3422850 Gmdrm	hyper	CHH	0.121
Gm13	3431297	3432146 Gmdrm	hyper	CHH	0.1351
Gm13	3434346	3434760 Gmdrm	hyper	CHH	0.1382
Gm13	3436122	3437121 Gmdrm	hyper	CHH	0.1288
Gm13	3437134	3437318 Gmdrm	hyper	CHH	0.405
Gm13	3440019	3441019 Gmdrm	hyper	CHH	0.1017
Gm13	3441027	3441984 Gmdrm	hyper	CHH	0.0958
Gm13	3525278	3525351 Gmdrm	hyper	CHH	0.22
Gm13	3592256	3593210 Gmdrm	hyper	CHH	0.0298
Gm13	3669282	3670265 Gmdrm	hyper	CHH	0.0378
Gm13	3670283	3671250 Gmdrm	hyper	CHH	0.0384
Gm13	3676361	3677355 Gmdrm	hyper	CHH	0.0351
Gm13	3884330	3885316 Gmdrm	hyper	CHH	0.0581
Gm13	3951548	3952539 Gmdrm	hyper	CHH	0.0348
Gm13	4003139	4003398 Gmdrm	hyper	CHH	0.0715
Gm13	4027135	4027381 Gmdrm	hyper	CHH	0.1427
Gm13	4030085	4030415 Gmdrm	hyper	CHH	0.0621
Gm13	4031733	4032485 Gmdrm	hyper	CHH	0.0653
Gm13	4044601	4045569 Gmdrm	hyper	CHH	0.0485
Gm13	4046378	4047359 Gmdrm	hyper	CHH	0.0558
Gm13	4047388	4048099 Gmdrm	hyper	CHH	0.0972
Gm13	4048672	4049073 Gmdrm	hyper	CHH	0.0696
Gm13	4058803	4059794 Gmdrm	hyper	CHH	0.0578
Gm13	4076530	4077513 Gmdrm	hyper	CHH	0.0997
Gm13	4080634	4080656 Gmdrm	hyper	CHH	0.266
Gm13	4082553	4082666 Gmdrm	hyper	CHH	0.15
Gm13	4082994	4083709 Gmdrm	hyper	CHH	0.0803
Gm13	4093446	4094230 Gmdrm	hyper	CHH	0.063
Gm13	4099516	4100503 Gmdrm	hyper	CHH	0.062
Gm13	4101508	4102407 Gmdrm	hyper	CHH	0.0531
Gm13	4107128	4107802 Gmdrm	hyper	CHH	0.0597
Gm13	4109161	4110070 Gmdrm	hyper	CHH	0.0664
Gm13	4116990	4117124 Gmdrm	hyper	CHH	0.2122
Gm13	4124387	4125368 Gmdrm	hyper	CHH	0.0779
Gm13	4128428	4129344 Gmdrm	hyper	CHH	0.0761
Gm13	4133553	4134306 Gmdrm	hyper	CHH	0.1263
Gm13	4134992	4135423 Gmdrm	hyper	CHH	0.1269
Gm13	4136022	4136233 Gmdrm	hyper	CHH	0.1142
Gm13	4136450	4137034 Gmdrm	hyper	CHH	0.106
Gm13	4137156	4137355 Gmdrm	hyper	CHH	0.096
Gm13	4142605	4143602 Gmdrm	hyper	CHH	0.0663
Gm13	4146098	4147097 Gmdrm	hyper	CHH	0.0508
Gm13	4147106	4147945 Gmdrm	hyper	CHH	0.1205
Gm13	4148133	4149109 Gmdrm	hyper	CHH	0.1007
Gm13	4149140	4149719 Gmdrm	hyper	CHH	0.1294
Gm13	4149935	4150931 Gmdrm	hyper	CHH	0.0594

Gm13	4151677	4152234	Gmdrm	hyper	CHH	0.1169
Gm13	4152352	4152791	Gmdrm	hyper	CHH	0.1271
Gm13	4152902	4153901	Gmdrm	hyper	CHH	0.1223
Gm13	4153909	4154210	Gmdrm	hyper	CHH	0.1159
Gm13	4154378	4154879	Gmdrm	hyper	CHH	0.1367
Gm13	4154986	4155341	Gmdrm	hyper	CHH	0.1628
Gm13	4155727	4156102	Gmdrm	hyper	CHH	0.1524
Gm13	4156767	4157736	Gmdrm	hyper	CHH	0.0457
Gm13	4157768	4157916	Gmdrm	hyper	CHH	0.228
Gm13	4159015	4159894	Gmdrm	hyper	CHH	0.111
Gm13	4161166	4161954	Gmdrm	hyper	CHH	0.0448
Gm13	4163118	4164082	Gmdrm	hyper	CHH	0.0179
Gm13	4164340	4165335	Gmdrm	hyper	CHH	0.0301
Gm13	4166447	4167447	Gmdrm	hyper	CHH	0.02
Gm13	4168450	4169444	Gmdrm	hyper	CHH	0.0472
Gm13	4169455	4170374	Gmdrm	hyper	CHH	0.0597
Gm13	4170769	4171752	Gmdrm	hyper	CHH	0.0697
Gm13	4171779	4172771	Gmdrm	hyper	CHH	0.0543
Gm13	4175262	4176261	Gmdrm	hyper	CHH	0.0295
Gm13	4176781	4177507	Gmdrm	hyper	CHH	0.0465
Gm13	4177787	4178778	Gmdrm	hyper	CHH	0.0418
Gm13	4178790	4179775	Gmdrm	hyper	CHH	0.0463
Gm13	4179791	4180764	Gmdrm	hyper	CHH	0.0525
Gm13	4180802	4181796	Gmdrm	hyper	CHH	0.0452
Gm13	4183121	4184118	Gmdrm	hyper	CHH	0.0432
Gm13	4184125	4185125	Gmdrm	hyper	CHH	0.0296
Gm13	4186894	4187887	Gmdrm	hyper	CHH	0.0604
Gm13	4187895	4188894	Gmdrm	hyper	CHH	0.0562
Gm13	4188904	4189874	Gmdrm	hyper	CHH	0.1067
Gm13	4189912	4190906	Gmdrm	hyper	CHH	0.0768
Gm13	4190916	4191851	Gmdrm	hyper	CHH	0.11
Gm13	4191952	4192163	Gmdrm	hyper	CHH	0.2059
Gm13	4192273	4193245	Gmdrm	hyper	CHH	0.0817
Gm13	4193295	4194274	Gmdrm	hyper	CHH	0.0762
Gm13	4194305	4195305	Gmdrm	hyper	CHH	0.0525
Gm13	4195306	4196279	Gmdrm	hyper	CHH	0.1117
Gm13	4196308	4196951	Gmdrm	hyper	CHH	0.093
Gm13	4197073	4198066	Gmdrm	hyper	CHH	0.1054
Gm13	4198079	4199073	Gmdrm	hyper	CHH	0.0531
Gm13	4199088	4200071	Gmdrm	hyper	CHH	0.0623
Gm13	4200119	4201114	Gmdrm	hyper	CHH	0.0378
Gm13	4219385	4220373	Gmdrm	hyper	CHH	0.0581
Gm13	4220386	4221378	Gmdrm	hyper	CHH	0.1085
Gm13	4221391	4222368	Gmdrm	hyper	CHH	0.0659
Gm13	4222397	4223382	Gmdrm	hyper	CHH	0.1133
Gm13	4223425	4224420	Gmdrm	hyper	CHH	0.1349

Gm13	4224432	4225429	Gmdrm	hyper	CHH	0.0938
Gm13	4225434	4226431	Gmdrm	hyper	CHH	0.1329
Gm13	4226443	4227440	Gmdrm	hyper	CHH	0.1128
Gm13	4227453	4228451	Gmdrm	hyper	CHH	0.1303
Gm13	4228456	4229452	Gmdrm	hyper	CHH	0.115
Gm13	4229678	4230674	Gmdrm	hyper	CHH	0.0694
Gm13	4230689	4231689	Gmdrm	hyper	CHH	0.0844
Gm13	4231692	4232686	Gmdrm	hyper	CHH	0.103
Gm13	4234650	4235267	Gmdrm	hyper	CHH	0.085
Gm13	4235995	4236985	Gmdrm	hyper	CHH	0.0658
Gm13	4237000	4237985	Gmdrm	hyper	CHH	0.0661
Gm13	4238017	4239014	Gmdrm	hyper	CHH	0.095
Gm13	4244086	4245081	Gmdrm	hyper	CHH	0.0794
Gm13	4245087	4245830	Gmdrm	hyper	CHH	0.0775
Gm13	4246291	4247290	Gmdrm	hyper	CHH	0.0792
Gm13	4247302	4248108	Gmdrm	hyper	CHH	0.0854
Gm13	4248424	4249202	Gmdrm	hyper	CHH	0.0969
Gm13	4249358	4250340	Gmdrm	hyper	CHH	0.0945
Gm13	4250361	4251349	Gmdrm	hyper	CHH	0.0792
Gm13	4252289	4253288	Gmdrm	hyper	CHH	0.1022
Gm13	4253294	4254293	Gmdrm	hyper	CHH	0.1055
Gm13	4254296	4255293	Gmdrm	hyper	CHH	0.0615
Gm13	4255328	4256326	Gmdrm	hyper	CHH	0.1125
Gm13	4256340	4257322	Gmdrm	hyper	CHH	0.0778
Gm13	4257379	4257735	Gmdrm	hyper	CHH	0.1406
Gm13	4259249	4260246	Gmdrm	hyper	CHH	0.1011
Gm13	4260253	4261252	Gmdrm	hyper	CHH	0.0836
Gm13	4261254	4261940	Gmdrm	hyper	CHH	0.0861
Gm13	4262540	4263518	Gmdrm	hyper	CHH	0.0794
Gm13	4265914	4266858	Gmdrm	hyper	CHH	0.0618
Gm13	4268057	4269057	Gmdrm	hyper	CHH	0.0807
Gm13	4269061	4270054	Gmdrm	hyper	CHH	0.044
Gm13	4270068	4271066	Gmdrm	hyper	CHH	0.0762
Gm13	4271492	4272487	Gmdrm	hyper	CHH	0.0839
Gm13	4272495	4273494	Gmdrm	hyper	CHH	0.0708
Gm13	4273510	4274510	Gmdrm	hyper	CHH	0.0793
Gm13	4274511	4275504	Gmdrm	hyper	CHH	0.0626
Gm13	4276521	4277521	Gmdrm	hyper	CHH	0.0505
Gm13	4277524	4278521	Gmdrm	hyper	CHH	0.0342
Gm13	4309398	4310389	Gmdrm	hyper	CHH	0.0533
Gm13	4311826	4312825	Gmdrm	hyper	CHH	0.0414
Gm13	4312840	4313839	Gmdrm	hyper	CHH	0.0593
Gm13	4317398	4318393	Gmdrm	hyper	CHH	0.0807
Gm13	4323635	4324630	Gmdrm	hyper	CHH	0.0711
Gm13	4325650	4326564	Gmdrm	hyper	CHH	0.0433
Gm13	4327991	4328990	Gmdrm	hyper	CHH	0.0615

Gm13	4328992	4329744	Gmdrm	hyper	CHH	0.073
Gm13	4330971	4331970	Gmdrm	hyper	CHH	0.0615
Gm13	4331972	4332969	Gmdrm	hyper	CHH	0.0588
Gm13	4332991	4333988	Gmdrm	hyper	CHH	0.068
Gm13	4334002	4334986	Gmdrm	hyper	CHH	0.0584
Gm13	4335003	4335977	Gmdrm	hyper	CHH	0.0629
Gm13	4336007	4337005	Gmdrm	hyper	CHH	0.084
Gm13	4337011	4337998	Gmdrm	hyper	CHH	0.0823
Gm13	4338012	4339009	Gmdrm	hyper	CHH	0.0828
Gm13	4339017	4340017	Gmdrm	hyper	CHH	0.1183
Gm13	4340038	4341037	Gmdrm	hyper	CHH	0.1102
Gm13	4341042	4342019	Gmdrm	hyper	CHH	0.045
Gm13	4343267	4344256	Gmdrm	hyper	CHH	0.0589
Gm13	4344268	4345266	Gmdrm	hyper	CHH	0.071
Gm13	4345269	4346249	Gmdrm	hyper	CHH	0.0718
Gm13	4347284	4348232	Gmdrm	hyper	CHH	0.078
Gm13	4348306	4349306	Gmdrm	hyper	CHH	0.0669
Gm13	4349310	4350298	Gmdrm	hyper	CHH	0.0717
Gm13	4350321	4351316	Gmdrm	hyper	CHH	0.0837
Gm13	4351347	4352340	Gmdrm	hyper	CHH	0.0503
Gm13	4352350	4353350	Gmdrm	hyper	CHH	0.0695
Gm13	4353362	4354362	Gmdrm	hyper	CHH	0.0536
Gm13	4355092	4356092	Gmdrm	hyper	CHH	0.0415
Gm13	4356098	4357097	Gmdrm	hyper	CHH	0.0704
Gm13	4357100	4358064	Gmdrm	hyper	CHH	0.0548
Gm13	4358328	4359326	Gmdrm	hyper	CHH	0.0676
Gm13	4359531	4360529	Gmdrm	hyper	CHH	0.0575
Gm13	4360545	4361532	Gmdrm	hyper	CHH	0.0672
Gm13	4361549	4362539	Gmdrm	hyper	CHH	0.0717
Gm13	4362551	4363532	Gmdrm	hyper	CHH	0.0893
Gm13	4363571	4364567	Gmdrm	hyper	CHH	0.057
Gm13	4365892	4366883	Gmdrm	hyper	CHH	0.0602
Gm13	4366902	4367894	Gmdrm	hyper	CHH	0.0458
Gm13	4367915	4368912	Gmdrm	hyper	CHH	0.0864
Gm13	4368917	4369883	Gmdrm	hyper	CHH	0.0553
Gm13	4371920	4372920	Gmdrm	hyper	CHH	0.0453
Gm13	4372922	4373918	Gmdrm	hyper	CHH	0.0423
Gm13	4375734	4376726	Gmdrm	hyper	CHH	0.0461
Gm13	4412406	4413383	Gmdrm	hyper	CHH	0.0218
Gm13	4415443	4416442	Gmdrm	hyper	CHH	0.0587
Gm13	4417466	4418464	Gmdrm	hyper	CHH	0.0533
Gm13	4418482	4419481	Gmdrm	hyper	CHH	0.1043
Gm13	4419485	4420479	Gmdrm	hyper	CHH	0.076
Gm13	4420486	4420880	Gmdrm	hyper	CHH	0.1316
Gm13	4441500	4442495	Gmdrm	hyper	CHH	0.0166
Gm13	4472325	4473323	Gmdrm	hyper	CHH	0.058

Gm13	4485216	4486211	Gmdrm	hyper	CHH	0.0725
Gm13	4487251	4488250	Gmdrm	hyper	CHH	0.0442
Gm13	4488252	4489241	Gmdrm	hyper	CHH	0.0426
Gm13	4491178	4492158	Gmdrm	hyper	CHH	0.0663
Gm13	4501256	4502239	Gmdrm	hyper	CHH	0.0552
Gm13	4559420	4560414	Gmdrm	hyper	CHH	0.0402
Gm13	4589785	4590785	Gmdrm	hyper	CHH	0.0661
Gm13	5061929	5062920	Gmdrm	hyper	CHH	0.04
Gm13	5082591	5083589	Gmdrm	hyper	CHH	0.1104
Gm13	5083605	5084597	Gmdrm	hyper	CHH	0.1067
Gm13	5215873	5216865	Gmdrm	hyper	CHH	0.0501
Gm13	5329277	5329394	Gmdrm	hyper	CHH	0.2006
Gm13	5340032	5340416	Gmdrm	hyper	CHH	0.1077
Gm13	5359011	5359993	Gmdrm	hyper	CHH	0.0626
Gm13	5373861	5373935	Gmdrm	hyper	CHH	0.1634
Gm13	5387720	5388039	Gmdrm	hyper	CHH	0.0369
Gm13	5539063	5539283	Gmdrm	hyper	CHH	0.129
Gm13	5634638	5634842	Gmdrm	hyper	CHH	0.11
Gm13	5765453	5766439	Gmdrm	hyper	CHH	0.0334
Gm13	5934763	5935761	Gmdrm	hyper	CHH	0.0667
Gm13	5954295	5955272	Gmdrm	hyper	CHH	0.062
Gm13	6206989	6207343	Gmdrm	hyper	CHH	0.1207
Gm13	6230835	6230932	Gmdrm	hyper	CHH	0.0987
Gm13	6289571	6290560	Gmdrm	hyper	CHH	0.0381
Gm13	6337510	6338152	Gmdrm	hyper	CHH	0.0688
Gm13	6362893	6363891	Gmdrm	hyper	CHH	0.0393
Gm13	6435696	6436265	Gmdrm	hyper	CHH	0.124
Gm13	6480076	6481068	Gmdrm	hyper	CHH	0.0573
Gm13	6495755	6496754	Gmdrm	hyper	CHH	0.0545
Gm13	6596044	6597032	Gmdrm	hyper	CHH	0.0569
Gm13	6646701	6647229	Gmdrm	hyper	CHH	0.0678
Gm13	6676922	6677882	Gmdrm	hyper	CHH	0.0411
Gm13	6739148	6740144	Gmdrm	hyper	CHH	0.0566
Gm13	6885510	6886504	Gmdrm	hyper	CHH	0.0432
Gm13	7237333	7238330	Gmdrm	hyper	CHH	0.0432
Gm13	7435842	7436840	Gmdrm	hyper	CHH	0.0842
Gm13	7773367	7774348	Gmdrm	hyper	CHH	0.069
Gm13	7844851	7844937	Gmdrm	hyper	CHH	0.14
Gm13	7928032	7929028	Gmdrm	hyper	CHH	0.0637
Gm13	7931399	7932397	Gmdrm	hyper	CHH	0.0865
Gm13	7937181	7937950	Gmdrm	hyper	CHH	0.0961
Gm13	7938322	7938611	Gmdrm	hyper	CHH	0.118
Gm13	7954034	7955032	Gmdrm	hyper	CHH	0.051
Gm13	8012540	8013493	Gmdrm	hyper	CHH	0.0722
Gm13	8196642	8196715	Gmdrm	hyper	CHH	0.1628
Gm13	8413544	8413893	Gmdrm	hyper	CHH	0.0958

Gm13	8429659	8430514	Gmdrm	hyper	CHH	0.0615
Gm13	8509565	8510500	Gmdrm	hyper	CHH	0.0588
Gm13	8577475	8577773	Gmdrm	hyper	CHH	0.0923
Gm13	8748307	8749282	Gmdrm	hyper	CHH	0.0175
Gm13	8810919	8811919	Gmdrm	hyper	CHH	0.0482
Gm13	8858750	8859748	Gmdrm	hyper	CHH	0.0456
Gm13	9146899	9147833	Gmdrm	hyper	CHH	0.0523
Gm13	9292844	9293835	Gmdrm	hyper	CHH	0.0226
Gm13	9422230	9422696	Gmdrm	hyper	CHH	0.0494
Gm13	9505878	9506878	Gmdrm	hyper	CHH	0.0169
Gm13	9567262	9568260	Gmdrm	hyper	CHH	0.0608
Gm13	9568263	9569260	Gmdrm	hyper	CHH	0.041
Gm13	9674351	9675350	Gmdrm	hyper	CHH	0.0426
Gm13	9715242	9716227	Gmdrm	hyper	CHH	0.0433
Gm13	9716740	9717738	Gmdrm	hyper	CHH	0.1273
Gm13	9717759	9718758	Gmdrm	hyper	CHH	0.1241
Gm13	9718770	9719768	Gmdrm	hyper	CHH	0.142
Gm13	9959748	9960740	Gmdrm	hyper	CHH	0.0185
Gm13	9998286	9998933	Gmdrm	hyper	CHH	0.0105
Gm13	10056693	10057691	Gmdrm	hyper	CHH	0.0187
Gm13	10126493	10127492	Gmdrm	hyper	CHH	0.0476
Gm13	10191450	10192425	Gmdrm	hyper	CHH	0.0194
Gm13	10295116	10295441	Gmdrm	hyper	CHH	0.1644
Gm13	10303309	10304308	Gmdrm	hyper	CHH	0.0565
Gm13	10476904	10477902	Gmdrm	hyper	CHH	0.0122
Gm13	10482964	10483945	Gmdrm	hyper	CHH	0.0276
Gm13	10488773	10489770	Gmdrm	hyper	CHH	0.017
Gm13	10658741	10659716	Gmdrm	hyper	CHH	0.0569
Gm13	10694567	10695046	Gmdrm	hyper	CHH	0.0436
Gm13	10779378	10779739	Gmdrm	hyper	CHH	0.0397
Gm13	10921163	10921620	Gmdrm	hyper	CHH	0.0195
Gm13	10952193	10953190	Gmdrm	hyper	CHH	0.064
Gm13	11028091	11028211	Gmdrm	hyper	CHH	0.1
Gm13	11112478	11113475	Gmdrm	hyper	CHH	0.0368
Gm13	11151504	11152500	Gmdrm	hyper	CHH	0.0552
Gm13	11186124	11187090	Gmdrm	hyper	CHH	0.0193
Gm13	11223888	11224886	Gmdrm	hyper	CHH	0.037
Gm13	11254211	11255184	Gmdrm	hyper	CHH	0.0759
Gm13	11455548	11456204	Gmdrm	hyper	CHH	0.0803
Gm13	11563137	11563314	Gmdrm	hyper	CHH	0.146
Gm13	11696450	11697052	Gmdrm	hyper	CHH	0.0869
Gm13	11796378	11797377	Gmdrm	hyper	CHH	0.042
Gm13	11819021	11819062	Gmdrm	hyper	CHH	0.2471
Gm13	11846372	11846431	Gmdrm	hyper	CHH	0.1225
Gm13	11850232	11850315	Gmdrm	hyper	CHH	0.0443
Gm13	12092385	12093382	Gmdrm	hyper	CHH	0.0113

Gm13	12199124	12200116	Gmdrm	hyper	CHH	0.015
Gm13	12360919	12361919	Gmdrm	hyper	CHH	0.0485
Gm13	12463348	12463497	Gmdrm	hyper	CHH	0.149
Gm13	12518792	12519779	Gmdrm	hyper	CHH	0.0156
Gm13	12539236	12539626	Gmdrm	hyper	CHH	0.0809
Gm13	12637732	12638719	Gmdrm	hyper	CHH	0.0183
Gm13	12660994	12661307	Gmdrm	hyper	CHH	0.0425
Gm13	12733973	12734666	Gmdrm	hyper	CHH	0.0304
Gm13	12757625	12758599	Gmdrm	hyper	CHH	0.0169
Gm13	12794984	12795980	Gmdrm	hyper	CHH	0.0301
Gm13	12810318	12811312	Gmdrm	hyper	CHH	0.0197
Gm13	12812576	12813551	Gmdrm	hyper	CHH	0.0194
Gm13	12841221	12841318	Gmdrm	hyper	CHH	0.0512
Gm13	12842476	12843467	Gmdrm	hyper	CHH	0.0216
Gm13	12911343	12912337	Gmdrm	hyper	CHH	0.0136
Gm13	13032479	13032510	Gmdrm	hyper	CHH	0.138
Gm13	13053239	13054220	Gmdrm	hyper	CHH	0.021
Gm13	13054254	13055244	Gmdrm	hyper	CHH	0.02
Gm13	13089886	13090660	Gmdrm	hyper	CHH	0.013
Gm13	13134262	13135239	Gmdrm	hyper	CHH	0.0141
Gm13	13164508	13165504	Gmdrm	hyper	CHH	0.0242
Gm13	13234962	13235948	Gmdrm	hyper	CHH	0.0186
Gm13	13240894	13241047	Gmdrm	hyper	CHH	0.026
Gm13	13256509	13257463	Gmdrm	hyper	CHH	0.0395
Gm13	13258077	13258168	Gmdrm	hyper	CHH	0.0172
Gm13	13264290	13264908	Gmdrm	hyper	CHH	0.0536
Gm13	13374317	13375283	Gmdrm	hyper	CHH	0.0153
Gm13	13581561	13581878	Gmdrm	hyper	CHH	0.0406
Gm13	13680753	13681747	Gmdrm	hyper	CHH	0.0285
Gm13	13727663	13728573	Gmdrm	hyper	CHH	0.0145
Gm13	13766064	13767062	Gmdrm	hyper	CHH	0.0198
Gm13	14193813	14194479	Gmdrm	hyper	CHH	0.0239
Gm13	14223706	14223964	Gmdrm	hyper	CHH	0.0533
Gm13	14278081	14279079	Gmdrm	hyper	CHH	0.016
Gm13	14326671	14327664	Gmdrm	hyper	CHH	0.0168
Gm13	14358796	14359784	Gmdrm	hyper	CHH	0.0702
Gm13	14499963	14500961	Gmdrm	hyper	CHH	0.0303
Gm13	14525616	14526581	Gmdrm	hyper	CHH	0.0176
Gm13	14593553	14594549	Gmdrm	hyper	CHH	0.0264
Gm13	14617923	14618902	Gmdrm	hyper	CHH	0.0158
Gm13	14623621	14624621	Gmdrm	hyper	CHH	0.0135
Gm13	14716179	14717158	Gmdrm	hyper	CHH	0.0404
Gm13	14772574	14773564	Gmdrm	hyper	CHH	0.0138
Gm13	14791276	14792273	Gmdrm	hyper	CHH	0.0169
Gm13	14794669	14795652	Gmdrm	hyper	CHH	0.0269
Gm13	14884615	14885569	Gmdrm	hyper	CHH	0.0248

Gm13	15057115	15058113	Gmdrm	hyper	CHH	0.0166
Gm13	15097517	15098030	Gmdrm	hyper	CHH	0.0205
Gm13	15130792	15131777	Gmdrm	hyper	CHH	0.0195
Gm13	15269924	15270919	Gmdrm	hyper	CHH	0.012
Gm13	15504014	15504460	Gmdrm	hyper	CHH	0.0295
Gm13	15629693	15630674	Gmdrm	hyper	CHH	0.0249
Gm13	15667142	15667155	Gmdrm	hyper	CHH	0.036
Gm13	15749704	15750699	Gmdrm	hyper	CHH	0.0139
Gm13	15943836	15944836	Gmdrm	hyper	CHH	0.0239
Gm13	16090374	16091351	Gmdrm	hyper	CHH	0.0194
Gm13	16328079	16329078	Gmdrm	hyper	CHH	0.0269
Gm13	16338005	16338993	Gmdrm	hyper	CHH	0.013
Gm13	16344335	16344561	Gmdrm	hyper	CHH	0.08
Gm13	16423558	16424552	Gmdrm	hyper	CHH	0.0499
Gm13	16456796	16457785	Gmdrm	hyper	CHH	0.0455
Gm13	16550624	16551176	Gmdrm	hyper	CHH	0.0232
Gm13	16656015	16657013	Gmdrm	hyper	CHH	0.0364
Gm13	16668446	16669435	Gmdrm	hyper	CHH	0.0254
Gm13	17114599	17115592	Gmdrm	hyper	CHH	0.0304
Gm13	17336002	17336608	Gmdrm	hyper	CHH	0.0186
Gm13	17357773	17358770	Gmdrm	hyper	CHH	0.0296
Gm13	17389912	17390884	Gmdrm	hyper	CHH	0.0385
Gm13	17424377	17424743	Gmdrm	hyper	CHH	0.0432
Gm13	17468284	17468450	Gmdrm	hyper	CHH	0.1914
Gm13	17524588	17525584	Gmdrm	hyper	CHH	0.0395
Gm13	17528606	17529223	Gmdrm	hyper	CHH	0.0197
Gm13	17533434	17533800	Gmdrm	hyper	CHH	0.0374
Gm13	17679832	17680013	Gmdrm	hyper	CHH	0.0337
Gm13	17690677	17691652	Gmdrm	hyper	CHH	0.0186
Gm13	17911062	17912062	Gmdrm	hyper	CHH	0.015
Gm13	17977947	17978936	Gmdrm	hyper	CHH	0.0388
Gm13	18045824	18046407	Gmdrm	hyper	CHH	0.0343
Gm13	18082093	18083058	Gmdrm	hyper	CHH	0.0604
Gm13	18223536	18224526	Gmdrm	hyper	CHH	0.0198
Gm13	18402594	18403571	Gmdrm	hyper	CHH	0.0203
Gm13	18494633	18494876	Gmdrm	hyper	CHH	0.0461
Gm13	18536319	18537311	Gmdrm	hyper	CHH	0.0486
Gm13	18587559	18588558	Gmdrm	hyper	CHH	0.0516
Gm13	18640646	18641136	Gmdrm	hyper	CHH	0.0342
Gm13	18743397	18743582	Gmdrm	hyper	CHH	0.0958
Gm13	18788133	18789121	Gmdrm	hyper	CHH	0.0254
Gm13	18832310	18832835	Gmdrm	hyper	CHH	0.0474
Gm13	19000216	19000586	Gmdrm	hyper	CHH	0.0347
Gm13	19243392	19244392	Gmdrm	hyper	CHH	0.0464
Gm13	19268824	19269164	Gmdrm	hyper	CHH	0.0456
Gm13	19276791	19277778	Gmdrm	hyper	CHH	0.0116

Gm13	19333541	19334532	Gmdrm	hyper	CHH	0.0154
Gm13	19350615	19351608	Gmdrm	hyper	CHH	0.0209
Gm13	19359007	19359944	Gmdrm	hyper	CHH	0.0213
Gm13	19362209	19362810	Gmdrm	hyper	CHH	0.021
Gm13	19447506	19447541	Gmdrm	hyper	CHH	0.138
Gm13	19499076	19500044	Gmdrm	hyper	CHH	0.0176
Gm13	19539934	19540599	Gmdrm	hyper	CHH	0.0131
Gm13	19543212	19544209	Gmdrm	hyper	CHH	0.0118
Gm13	19546132	19547117	Gmdrm	hyper	CHH	0.0602
Gm13	19669985	19670958	Gmdrm	hyper	CHH	0.0284
Gm13	19726954	19727944	Gmdrm	hyper	CHH	0.0231
Gm13	19757521	19758508	Gmdrm	hyper	CHH	0.0166
Gm13	19840632	19841625	Gmdrm	hyper	CHH	0.0212
Gm13	19869002	19869964	Gmdrm	hyper	CHH	0.0172
Gm13	19881036	19881968	Gmdrm	hyper	CHH	0.03
Gm13	19887788	19888110	Gmdrm	hyper	CHH	0.0295
Gm13	19999900	20000710	Gmdrm	hyper	CHH	0.0178
Gm13	20016847	20017838	Gmdrm	hyper	CHH	0.0199
Gm13	20045050	20045328	Gmdrm	hyper	CHH	0.0784
Gm13	20087952	20088951	Gmdrm	hyper	CHH	0.02
Gm13	20130337	20131333	Gmdrm	hyper	CHH	0.0187
Gm13	20174743	20175724	Gmdrm	hyper	CHH	0.022
Gm13	20229012	20229972	Gmdrm	hyper	CHH	0.0138
Gm13	20349573	20350525	Gmdrm	hyper	CHH	0.0189
Gm13	20352664	20353203	Gmdrm	hyper	CHH	0.0363
Gm13	20372392	20373372	Gmdrm	hyper	CHH	0.017
Gm13	20379784	20380761	Gmdrm	hyper	CHH	0.0177
Gm13	20380786	20381776	Gmdrm	hyper	CHH	0.024
Gm13	20393409	20394133	Gmdrm	hyper	CHH	0.0278
Gm13	20472188	20473186	Gmdrm	hyper	CHH	0.0367
Gm13	20506229	20507228	Gmdrm	hyper	CHH	0.0346
Gm13	20524957	20525440	Gmdrm	hyper	CHH	0.0413
Gm13	20534664	20535065	Gmdrm	hyper	CHH	0.0251
Gm13	20571946	20572435	Gmdrm	hyper	CHH	0.0214
Gm13	20590534	20591531	Gmdrm	hyper	CHH	0.025
Gm13	20598581	20599567	Gmdrm	hyper	CHH	0.0202
Gm13	20605519	20606513	Gmdrm	hyper	CHH	0.0152
Gm13	20617462	20617773	Gmdrm	hyper	CHH	0.157
Gm13	20648403	20649374	Gmdrm	hyper	CHH	0.0203
Gm13	20650821	20651800	Gmdrm	hyper	CHH	0.0209
Gm13	20682206	20683203	Gmdrm	hyper	CHH	0.0192
Gm13	20781135	20782116	Gmdrm	hyper	CHH	0.0386
Gm13	20784150	20785117	Gmdrm	hyper	CHH	0.0194
Gm13	20789378	20789891	Gmdrm	hyper	CHH	0.0494
Gm13	20796823	20797815	Gmdrm	hyper	CHH	0.0259
Gm13	20822296	20823296	Gmdrm	hyper	CHH	0.0136

Gm13	20840731	20841364	Gmdrm	hyper	CHH	0.0126
Gm13	20861793	20862761	Gmdrm	hyper	CHH	0.0208
Gm13	20876383	20876948	Gmdrm	hyper	CHH	0.026
Gm13	20933329	20934322	Gmdrm	hyper	CHH	0.0368
Gm13	20989586	20990561	Gmdrm	hyper	CHH	0.0184
Gm13	21008059	21008633	Gmdrm	hyper	CHH	0.0118
Gm13	21022425	21022923	Gmdrm	hyper	CHH	0.0369
Gm13	21063048	21063986	Gmdrm	hyper	CHH	0.0168
Gm13	21085645	21086106	Gmdrm	hyper	CHH	0.0197
Gm13	21131778	21132739	Gmdrm	hyper	CHH	0.0568
Gm13	21237015	21238011	Gmdrm	hyper	CHH	0.0215
Gm13	21244971	21245952	Gmdrm	hyper	CHH	0.0243
Gm13	21277107	21277666	Gmdrm	hyper	CHH	0.0363
Gm13	21326191	21326774	Gmdrm	hyper	CHH	0.02
Gm13	21341334	21342292	Gmdrm	hyper	CHH	0.0221
Gm13	21347973	21348421	Gmdrm	hyper	CHH	0.0664
Gm13	21361742	21362735	Gmdrm	hyper	CHH	0.0176
Gm13	21396871	21396958	Gmdrm	hyper	CHH	0.054
Gm13	21399112	21400109	Gmdrm	hyper	CHH	0.0197
Gm13	21401145	21401467	Gmdrm	hyper	CHH	0.0506
Gm13	21426122	21427121	Gmdrm	hyper	CHH	0.0124
Gm13	21477609	21478371	Gmdrm	hyper	CHH	0.047
Gm13	21668397	21669164	Gmdrm	hyper	CHH	0.0155
Gm13	21678010	21678086	Gmdrm	hyper	CHH	0.06
Gm13	21704743	21705611	Gmdrm	hyper	CHH	0.0146
Gm13	21712495	21713099	Gmdrm	hyper	CHH	0.0189
Gm13	21726439	21727435	Gmdrm	hyper	CHH	0.0127
Gm13	21732545	21733539	Gmdrm	hyper	CHH	0.0236
Gm13	21733551	21734017	Gmdrm	hyper	CHH	0.0398
Gm13	21737603	21738603	Gmdrm	hyper	CHH	0.0118
Gm13	21741723	21742705	Gmdrm	hyper	CHH	0.0191
Gm13	21763727	21764719	Gmdrm	hyper	CHH	0.0118
Gm13	21815087	21815602	Gmdrm	hyper	CHH	0.0146
Gm13	21843605	21844604	Gmdrm	hyper	CHH	0.0194
Gm13	21869591	21870585	Gmdrm	hyper	CHH	0.0215
Gm13	21905687	21905766	Gmdrm	hyper	CHH	0.0367
Gm13	21924339	21925328	Gmdrm	hyper	CHH	0.0142
Gm13	22029063	22030061	Gmdrm	hyper	CHH	0.042
Gm13	22053722	22054719	Gmdrm	hyper	CHH	0.0162
Gm13	22195547	22196508	Gmdrm	hyper	CHH	0.0246
Gm13	22196700	22196755	Gmdrm	hyper	CHH	0.0612
Gm13	22240451	22240634	Gmdrm	hyper	CHH	0.0454
Gm13	22246090	22247090	Gmdrm	hyper	CHH	0.0258
Gm13	22325987	22326179	Gmdrm	hyper	CHH	0.0367
Gm13	22341111	22341382	Gmdrm	hyper	CHH	0.0489
Gm13	22373755	22374741	Gmdrm	hyper	CHH	0.0401

Gm13	22491973	22492213	Gmdrm	hyper	CHH	0.0256
Gm13	22538858	22539815	Gmdrm	hyper	CHH	0.0215
Gm13	22687263	22688253	Gmdrm	hyper	CHH	0.0165
Gm13	22691354	22691696	Gmdrm	hyper	CHH	0.0225
Gm13	22692712	22693356	Gmdrm	hyper	CHH	0.0404
Gm13	22711462	22712461	Gmdrm	hyper	CHH	0.0206
Gm13	22728614	22729603	Gmdrm	hyper	CHH	0.0196
Gm13	22741434	22742095	Gmdrm	hyper	CHH	0.0254
Gm13	22851405	22851659	Gmdrm	hyper	CHH	0.0543
Gm13	22922339	22923307	Gmdrm	hyper	CHH	0.0193
Gm13	23017037	23017472	Gmdrm	hyper	CHH	0.044
Gm13	23047658	23048644	Gmdrm	hyper	CHH	0.0178
Gm13	23141933	23142125	Gmdrm	hyper	CHH	0.05
Gm13	23156541	23157531	Gmdrm	hyper	CHH	0.0125
Gm13	23165769	23166728	Gmdrm	hyper	CHH	0.0263
Gm13	23175704	23176657	Gmdrm	hyper	CHH	0.02
Gm13	23221395	23222370	Gmdrm	hyper	CHH	0.023
Gm13	23255888	23256888	Gmdrm	hyper	CHH	0.018
Gm13	23266114	23267104	Gmdrm	hyper	CHH	0.0159
Gm13	23268118	23269111	Gmdrm	hyper	CHH	0.0159
Gm13	23286640	23287608	Gmdrm	hyper	CHH	0.01
Gm13	23298692	23299677	Gmdrm	hyper	CHH	0.0264
Gm13	23318638	23319472	Gmdrm	hyper	CHH	0.0163
Gm13	23353402	23354390	Gmdrm	hyper	CHH	0.0112
Gm13	23377265	23377454	Gmdrm	hyper	CHH	0.076
Gm13	23395221	23395491	Gmdrm	hyper	CHH	0.0197
Gm13	23403260	23404249	Gmdrm	hyper	CHH	0.0223
Gm13	23494099	23495076	Gmdrm	hyper	CHH	0.0102
Gm13	23575688	23576683	Gmdrm	hyper	CHH	0.013
Gm13	23630363	23631352	Gmdrm	hyper	CHH	0.0276
Gm13	23726478	23727465	Gmdrm	hyper	CHH	0.0107
Gm13	23767938	23768906	Gmdrm	hyper	CHH	0.0214
Gm13	23784750	23785486	Gmdrm	hyper	CHH	0.0131
Gm13	23836354	23837303	Gmdrm	hyper	CHH	0.0196
Gm13	23890153	23891139	Gmdrm	hyper	CHH	0.0137
Gm13	23894366	23895363	Gmdrm	hyper	CHH	0.0154
Gm13	23895372	23896364	Gmdrm	hyper	CHH	0.0277
Gm13	23948997	23949686	Gmdrm	hyper	CHH	0.022
Gm13	23980511	23981503	Gmdrm	hyper	CHH	0.0298
Gm13	24019236	24020234	Gmdrm	hyper	CHH	0.0111
Gm13	24043179	24043845	Gmdrm	hyper	CHH	0.0244
Gm13	24110538	24111537	Gmdrm	hyper	CHH	0.0288
Gm13	24125912	24126884	Gmdrm	hyper	CHH	0.0218
Gm13	24159462	24160444	Gmdrm	hyper	CHH	0.0134
Gm13	24186683	24187674	Gmdrm	hyper	CHH	0.0198
Gm13	24240718	24241688	Gmdrm	hyper	CHH	0.0215

Gm13	24262174	24262886	Gmdrm	hyper	CHH	0.0204
Gm13	24268204	24269201	Gmdrm	hyper	CHH	0.013
Gm13	24289531	24289976	Gmdrm	hyper	CHH	0.0276
Gm13	24298028	24298846	Gmdrm	hyper	CHH	0.014
Gm13	24366743	24366884	Gmdrm	hyper	CHH	0.046
Gm13	24395978	24396463	Gmdrm	hyper	CHH	0.0185
Gm13	24400510	24401469	Gmdrm	hyper	CHH	0.0143
Gm13	24411221	24411513	Gmdrm	hyper	CHH	0.0592
Gm13	24428040	24429038	Gmdrm	hyper	CHH	0.0122
Gm13	24484586	24485578	Gmdrm	hyper	CHH	0.0345
Gm13	24488866	24488934	Gmdrm	hyper	CHH	0.068
Gm13	24550149	24550308	Gmdrm	hyper	CHH	0.023
Gm13	24652096	24653090	Gmdrm	hyper	CHH	0.0349
Gm13	24680384	24681253	Gmdrm	hyper	CHH	0.0101
Gm13	24724387	24724566	Gmdrm	hyper	CHH	0.1034
Gm13	24748726	24749725	Gmdrm	hyper	CHH	0.0187
Gm13	24792840	24793830	Gmdrm	hyper	CHH	0.0213
Gm13	24793901	24794880	Gmdrm	hyper	CHH	0.0193
Gm13	24795899	24796022	Gmdrm	hyper	CHH	0.105
Gm13	24818022	24819013	Gmdrm	hyper	CHH	0.0363
Gm13	24859407	24860405	Gmdrm	hyper	CHH	0.014
Gm13	24865455	24866455	Gmdrm	hyper	CHH	0.0147
Gm13	24912051	24913051	Gmdrm	hyper	CHH	0.0175
Gm13	24927496	24927640	Gmdrm	hyper	CHH	0.04
Gm13	25007230	25008215	Gmdrm	hyper	CHH	0.0151
Gm13	25033980	25034973	Gmdrm	hyper	CHH	0.0126
Gm13	25140403	25141401	Gmdrm	hyper	CHH	0.0163
Gm13	25149806	25150792	Gmdrm	hyper	CHH	0.0266
Gm13	25215009	25215204	Gmdrm	hyper	CHH	0.0305
Gm13	25266459	25267437	Gmdrm	hyper	CHH	0.0382
Gm13	25276164	25277164	Gmdrm	hyper	CHH	0.0287
Gm13	25368290	25368442	Gmdrm	hyper	CHH	0.072
Gm13	25416897	25417446	Gmdrm	hyper	CHH	0.0152
Gm13	25433611	25434601	Gmdrm	hyper	CHH	0.0165
Gm13	25434612	25435592	Gmdrm	hyper	CHH	0.0219
Gm13	25476604	25477257	Gmdrm	hyper	CHH	0.0166
Gm13	25507834	25508448	Gmdrm	hyper	CHH	0.0108
Gm13	25863252	25864233	Gmdrm	hyper	CHH	0.0161
Gm13	25938491	25939075	Gmdrm	hyper	CHH	0.0953
Gm13	25939945	25940352	Gmdrm	hyper	CHH	0.0359
Gm13	25940489	25941435	Gmdrm	hyper	CHH	0.0442
Gm13	25949390	25949660	Gmdrm	hyper	CHH	0.048
Gm13	25967244	25968230	Gmdrm	hyper	CHH	0.0103
Gm13	25977195	25978008	Gmdrm	hyper	CHH	0.0278
Gm13	25982557	25982742	Gmdrm	hyper	CHH	0.0333
Gm13	25989303	25989542	Gmdrm	hyper	CHH	0.0345

Gm13	26075160	26076158	Gmdrm	hyper	CHH	0.0235
Gm13	26094222	26095184	Gmdrm	hyper	CHH	0.0252
Gm13	26162632	26163602	Gmdrm	hyper	CHH	0.0244
Gm13	26188339	26189336	Gmdrm	hyper	CHH	0.05
Gm13	26236955	26237935	Gmdrm	hyper	CHH	0.0128
Gm13	26333892	26334008	Gmdrm	hyper	CHH	0.033
Gm13	26360832	26361827	Gmdrm	hyper	CHH	0.0167
Gm13	26381151	26382138	Gmdrm	hyper	CHH	0.0177
Gm13	26388681	26389672	Gmdrm	hyper	CHH	0.0103
Gm13	26407077	26407750	Gmdrm	hyper	CHH	0.0147
Gm13	26421578	26422510	Gmdrm	hyper	CHH	0.0378
Gm13	26448461	26448919	Gmdrm	hyper	CHH	0.0874
Gm13	26548136	26549090	Gmdrm	hyper	CHH	0.0217
Gm13	26578662	26579240	Gmdrm	hyper	CHH	0.1028
Gm13	26598714	26599710	Gmdrm	hyper	CHH	0.0222
Gm13	26605407	26606396	Gmdrm	hyper	CHH	0.0403
Gm13	26624301	26625296	Gmdrm	hyper	CHH	0.0206
Gm13	26656537	26657535	Gmdrm	hyper	CHH	0.0173
Gm13	26657543	26658149	Gmdrm	hyper	CHH	0.0157
Gm13	26676708	26677704	Gmdrm	hyper	CHH	0.014
Gm13	26786590	26787588	Gmdrm	hyper	CHH	0.0184
Gm13	26832961	26833329	Gmdrm	hyper	CHH	0.02
Gm13	26915274	26916259	Gmdrm	hyper	CHH	0.0209
Gm13	26990659	26991010	Gmdrm	hyper	CHH	0.057
Gm13	27015868	27016089	Gmdrm	hyper	CHH	0.05
Gm13	27094833	27094985	Gmdrm	hyper	CHH	0.0336
Gm13	27121214	27122185	Gmdrm	hyper	CHH	0.016
Gm13	27156769	27157729	Gmdrm	hyper	CHH	0.026
Gm13	27159771	27160766	Gmdrm	hyper	CHH	0.05
Gm13	27161795	27162790	Gmdrm	hyper	CHH	0.0286
Gm13	27214619	27215315	Gmdrm	hyper	CHH	0.0218
Gm13	27225154	27226148	Gmdrm	hyper	CHH	0.0144
Gm13	27242040	27243024	Gmdrm	hyper	CHH	0.0214
Gm13	27251842	27252842	Gmdrm	hyper	CHH	0.0248
Gm13	27258140	27259130	Gmdrm	hyper	CHH	0.0169
Gm13	27314025	27314988	Gmdrm	hyper	CHH	0.0228
Gm13	27340697	27341254	Gmdrm	hyper	CHH	0.0323
Gm13	27356974	27357941	Gmdrm	hyper	CHH	0.012
Gm13	27367994	27368985	Gmdrm	hyper	CHH	0.0125
Gm13	27376724	27377697	Gmdrm	hyper	CHH	0.017
Gm13	27391435	27392420	Gmdrm	hyper	CHH	0.0266
Gm13	27396537	27397518	Gmdrm	hyper	CHH	0.0362
Gm13	27499906	27500904	Gmdrm	hyper	CHH	0.0172
Gm13	27571582	27572283	Gmdrm	hyper	CHH	0.0354
Gm13	27580354	27581342	Gmdrm	hyper	CHH	0.02
Gm13	27637319	27638318	Gmdrm	hyper	CHH	0.0208

Gm13	27738339	27739324	Gmdrm	hyper	CHH	0.0192
Gm13	27787951	27788454	Gmdrm	hyper	CHH	0.0242
Gm13	27830692	27831439	Gmdrm	hyper	CHH	0.0264
Gm13	27851699	27852673	Gmdrm	hyper	CHH	0.0132
Gm13	27853857	27854115	Gmdrm	hyper	CHH	0.0273
Gm13	27874885	27875100	Gmdrm	hyper	CHH	0.0547
Gm13	27935018	27935843	Gmdrm	hyper	CHH	0.018
Gm13	28014766	28015762	Gmdrm	hyper	CHH	0.0533
Gm13	28053684	28054683	Gmdrm	hyper	CHH	0.0134
Gm13	28069383	28069587	Gmdrm	hyper	CHH	0.0383
Gm13	28088634	28089340	Gmdrm	hyper	CHH	0.0245
Gm13	28191170	28191584	Gmdrm	hyper	CHH	0.0239
Gm13	28317816	28318763	Gmdrm	hyper	CHH	0.0175
Gm13	28366445	28367416	Gmdrm	hyper	CHH	0.0124
Gm13	28373662	28374659	Gmdrm	hyper	CHH	0.0152
Gm13	28406164	28406543	Gmdrm	hyper	CHH	0.0707
Gm13	28419655	28420653	Gmdrm	hyper	CHH	0.0156
Gm13	28431837	28432835	Gmdrm	hyper	CHH	0.0177
Gm13	28444525	28445497	Gmdrm	hyper	CHH	0.0158
Gm13	28469250	28470249	Gmdrm	hyper	CHH	0.0304
Gm13	28476637	28477637	Gmdrm	hyper	CHH	0.0112
Gm13	28558001	28558828	Gmdrm	hyper	CHH	0.0262
Gm13	28576480	28577467	Gmdrm	hyper	CHH	0.0172
Gm13	28582182	28583131	Gmdrm	hyper	CHH	0.0146
Gm13	28593851	28594202	Gmdrm	hyper	CHH	0.0186
Gm13	28606457	28607422	Gmdrm	hyper	CHH	0.0183
Gm13	28617837	28618833	Gmdrm	hyper	CHH	0.022
Gm13	28638888	28639864	Gmdrm	hyper	CHH	0.0123
Gm13	28651928	28652554	Gmdrm	hyper	CHH	0.0395
Gm13	28659391	28660383	Gmdrm	hyper	CHH	0.0129
Gm13	28664694	28665663	Gmdrm	hyper	CHH	0.0148
Gm13	28719280	28719677	Gmdrm	hyper	CHH	0.0338
Gm13	28820882	28821882	Gmdrm	hyper	CHH	0.0124
Gm13	28852212	28853206	Gmdrm	hyper	CHH	0.0137
Gm13	28905768	28906765	Gmdrm	hyper	CHH	0.0264
Gm13	28908610	28909607	Gmdrm	hyper	CHH	0.0231
Gm13	28909997	28910077	Gmdrm	hyper	CHH	0.08
Gm13	28912727	28913398	Gmdrm	hyper	CHH	0.0249
Gm13	28945747	28946732	Gmdrm	hyper	CHH	0.0252
Gm13	29022331	29022915	Gmdrm	hyper	CHH	0.0309
Gm13	29034924	29035119	Gmdrm	hyper	CHH	0.0517
Gm13	29169909	29170886	Gmdrm	hyper	CHH	0.0121
Gm13	29179895	29180892	Gmdrm	hyper	CHH	0.0224
Gm13	29241985	29242118	Gmdrm	hyper	CHH	0.114
Gm13	29268644	29269625	Gmdrm	hyper	CHH	0.0171
Gm13	29438884	29439833	Gmdrm	hyper	CHH	0.0226

Gm13	29515900	29516885	Gmdrm	hyper	CHH	0.0337
Gm13	29516931	29517718	Gmdrm	hyper	CHH	0.0564
Gm13	29570760	29571751	Gmdrm	hyper	CHH	0.0609
Gm13	29639845	29640841	Gmdrm	hyper	CHH	0.0188
Gm13	29654452	29655172	Gmdrm	hyper	CHH	0.0119
Gm13	29734662	29734711	Gmdrm	hyper	CHH	0.0357
Gm13	29736028	29736998	Gmdrm	hyper	CHH	0.0119
Gm13	29746635	29747091	Gmdrm	hyper	CHH	0.0588
Gm13	29748147	29749140	Gmdrm	hyper	CHH	0.0217
Gm13	29751999	29752644	Gmdrm	hyper	CHH	0.0211
Gm13	29777510	29778070	Gmdrm	hyper	CHH	0.0271
Gm13	29786685	29786937	Gmdrm	hyper	CHH	0.0238
Gm13	29803676	29804602	Gmdrm	hyper	CHH	0.0282
Gm13	29833751	29834713	Gmdrm	hyper	CHH	0.015
Gm13	29876579	29877576	Gmdrm	hyper	CHH	0.0316
Gm13	29877582	29878371	Gmdrm	hyper	CHH	0.0285
Gm13	29932243	29933235	Gmdrm	hyper	CHH	0.0206
Gm13	29944375	29944492	Gmdrm	hyper	CHH	0.0443
Gm13	29946624	29947623	Gmdrm	hyper	CHH	0.0432
Gm13	29970880	29971879	Gmdrm	hyper	CHH	0.0498
Gm13	29985211	29986082	Gmdrm	hyper	CHH	0.0236
Gm13	29990558	29991545	Gmdrm	hyper	CHH	0.0262
Gm13	29993622	29994590	Gmdrm	hyper	CHH	0.0132
Gm13	29996703	29997684	Gmdrm	hyper	CHH	0.0209
Gm13	30000722	30001722	Gmdrm	hyper	CHH	0.1169
Gm13	30001728	30002728	Gmdrm	hyper	CHH	0.0539
Gm13	30015758	30016756	Gmdrm	hyper	CHH	0.0233
Gm13	30050065	30050330	Gmdrm	hyper	CHH	0.0188
Gm13	30057249	30057439	Gmdrm	hyper	CHH	0.0591
Gm13	30057544	30058060	Gmdrm	hyper	CHH	0.0291
Gm13	30074146	30075144	Gmdrm	hyper	CHH	0.0188
Gm13	30131071	30132038	Gmdrm	hyper	CHH	0.0136
Gm13	30155937	30156918	Gmdrm	hyper	CHH	0.0255
Gm13	30208907	30209891	Gmdrm	hyper	CHH	0.0176
Gm13	30219673	30220672	Gmdrm	hyper	CHH	0.0886
Gm13	30220676	30221673	Gmdrm	hyper	CHH	0.0642
Gm13	30270171	30270293	Gmdrm	hyper	CHH	0.0543
Gm13	30282084	30283081	Gmdrm	hyper	CHH	0.017
Gm13	30334162	30335162	Gmdrm	hyper	CHH	0.029
Gm13	30468172	30469168	Gmdrm	hyper	CHH	0.0249
Gm13	30482167	30482708	Gmdrm	hyper	CHH	0.0418
Gm13	30483811	30484810	Gmdrm	hyper	CHH	0.0156
Gm13	30487600	30488564	Gmdrm	hyper	CHH	0.0329
Gm13	30548716	30549710	Gmdrm	hyper	CHH	0.0213
Gm13	30549718	30549806	Gmdrm	hyper	CHH	0.1233
Gm13	30562076	30562419	Gmdrm	hyper	CHH	0.0739

Gm13	30572547	30573526	Gmdrm	hyper	CHH	0.0176
Gm13	30576754	30577734	Gmdrm	hyper	CHH	0.0163
Gm13	30606600	30607566	Gmdrm	hyper	CHH	0.0351
Gm13	30644478	30645467	Gmdrm	hyper	CHH	0.0218
Gm13	30649366	30650150	Gmdrm	hyper	CHH	0.0238
Gm13	30653282	30654278	Gmdrm	hyper	CHH	0.0248
Gm13	30675816	30676803	Gmdrm	hyper	CHH	0.0381
Gm13	30787983	30788965	Gmdrm	hyper	CHH	0.0169
Gm13	30848557	30849545	Gmdrm	hyper	CHH	0.0162
Gm13	30859295	30860274	Gmdrm	hyper	CHH	0.0219
Gm13	30867723	30868718	Gmdrm	hyper	CHH	0.0276
Gm13	30956964	30957953	Gmdrm	hyper	CHH	0.0352
Gm13	30968845	30969028	Gmdrm	hyper	CHH	0.06
Gm13	30999037	30999997	Gmdrm	hyper	CHH	0.0139
Gm13	31032563	31033539	Gmdrm	hyper	CHH	0.0233
Gm13	31040106	31040393	Gmdrm	hyper	CHH	0.0182
Gm13	31123575	31124276	Gmdrm	hyper	CHH	0.0258
Gm13	31148194	31148718	Gmdrm	hyper	CHH	0.0247
Gm13	31177109	31177807	Gmdrm	hyper	CHH	0.0202
Gm13	31186304	31186422	Gmdrm	hyper	CHH	0.0689
Gm13	31202283	31202677	Gmdrm	hyper	CHH	0.0294
Gm13	31214514	31215489	Gmdrm	hyper	CHH	0.0171
Gm13	31275774	31276772	Gmdrm	hyper	CHH	0.0229
Gm13	31283991	31284963	Gmdrm	hyper	CHH	0.0185
Gm13	31417975	31418968	Gmdrm	hyper	CHH	0.0147
Gm13	31431874	31432822	Gmdrm	hyper	CHH	0.0151
Gm13	31454821	31455821	Gmdrm	hyper	CHH	0.0262
Gm13	31460328	31461316	Gmdrm	hyper	CHH	0.0169
Gm13	31472330	31473328	Gmdrm	hyper	CHH	0.0114
Gm13	31508379	31509369	Gmdrm	hyper	CHH	0.01
Gm13	31526192	31526809	Gmdrm	hyper	CHH	0.013
Gm13	31529167	31530147	Gmdrm	hyper	CHH	0.0109
Gm13	31586745	31587706	Gmdrm	hyper	CHH	0.0085
Gm13	31603810	31604807	Gmdrm	hyper	CHH	0.0191
Gm13	31638731	31639728	Gmdrm	hyper	CHH	0.0422
Gm13	31701690	31702664	Gmdrm	hyper	CHH	0.0198
Gm13	31754628	31755627	Gmdrm	hyper	CHH	0.0205
Gm13	31785946	31786709	Gmdrm	hyper	CHH	0.0266
Gm13	31793621	31794621	Gmdrm	hyper	CHH	0.0185
Gm13	31806548	31807540	Gmdrm	hyper	CHH	0.0144
Gm13	31837175	31838175	Gmdrm	hyper	CHH	0.0166
Gm13	31851389	31851975	Gmdrm	hyper	CHH	0.0342
Gm13	31899772	31900722	Gmdrm	hyper	CHH	0.0273
Gm13	31915300	31916054	Gmdrm	hyper	CHH	0.0322
Gm13	31929430	31930430	Gmdrm	hyper	CHH	0.026
Gm13	31980606	31981571	Gmdrm	hyper	CHH	0.018

Gm13	31985867	31986842	Gmdrm	hyper	CHH	0.0126
Gm13	32033245	32033508	Gmdrm	hyper	CHH	0.0269
Gm13	32060994	32061067	Gmdrm	hyper	CHH	0.038
Gm13	32100419	32100543	Gmdrm	hyper	CHH	0.062
Gm13	32128840	32129836	Gmdrm	hyper	CHH	0.0114
Gm13	32164853	32165036	Gmdrm	hyper	CHH	0.0517
Gm13	32200522	32201263	Gmdrm	hyper	CHH	0.03
Gm13	32245291	32246287	Gmdrm	hyper	CHH	0.0158
Gm13	32281767	32282127	Gmdrm	hyper	CHH	0.033
Gm13	32283498	32284489	Gmdrm	hyper	CHH	0.019
Gm13	32318710	32319688	Gmdrm	hyper	CHH	0.0124
Gm13	32341424	32341700	Gmdrm	hyper	CHH	0.042
Gm13	32351651	32352212	Gmdrm	hyper	CHH	0.0458
Gm13	32360773	32361717	Gmdrm	hyper	CHH	0.0178
Gm13	32386238	32386781	Gmdrm	hyper	CHH	0.0325
Gm13	32495916	32496694	Gmdrm	hyper	CHH	0.0114
Gm13	32529137	32530101	Gmdrm	hyper	CHH	0.0121
Gm13	32562324	32563308	Gmdrm	hyper	CHH	0.0156
Gm13	32565025	32566008	Gmdrm	hyper	CHH	0.0135
Gm13	32571435	32572381	Gmdrm	hyper	CHH	0.0122
Gm13	32610821	32611820	Gmdrm	hyper	CHH	0.0166
Gm13	32673458	32673842	Gmdrm	hyper	CHH	0.0489
Gm13	32674022	32675021	Gmdrm	hyper	CHH	0.016
Gm13	32702803	32703093	Gmdrm	hyper	CHH	0.0525
Gm13	32703405	32703788	Gmdrm	hyper	CHH	0.042
Gm13	32707930	32708903	Gmdrm	hyper	CHH	0.0221
Gm13	32773477	32774476	Gmdrm	hyper	CHH	0.0141
Gm13	32787700	32788700	Gmdrm	hyper	CHH	0.0243
Gm13	32805020	32805639	Gmdrm	hyper	CHH	0.0297
Gm13	32829490	32830490	Gmdrm	hyper	CHH	0.0169
Gm13	32838615	32839610	Gmdrm	hyper	CHH	0.0217
Gm13	32839622	32839822	Gmdrm	hyper	CHH	0.0325
Gm13	32898298	32898731	Gmdrm	hyper	CHH	0.0372
Gm13	32908576	32909565	Gmdrm	hyper	CHH	0.0222
Gm13	32916468	32917280	Gmdrm	hyper	CHH	0.0162
Gm13	32994281	32995275	Gmdrm	hyper	CHH	0.024
Gm13	33026887	33027879	Gmdrm	hyper	CHH	0.0124
Gm13	33092470	33092784	Gmdrm	hyper	CHH	0.03
Gm13	33128897	33129814	Gmdrm	hyper	CHH	0.0339
Gm13	33137805	33138795	Gmdrm	hyper	CHH	0.0363
Gm13	33169258	33170242	Gmdrm	hyper	CHH	0.0157
Gm13	33232858	33233286	Gmdrm	hyper	CHH	0.0424
Gm13	33235572	33236099	Gmdrm	hyper	CHH	0.0196
Gm13	33289658	33290657	Gmdrm	hyper	CHH	0.0203
Gm13	33296213	33297207	Gmdrm	hyper	CHH	0.0236
Gm13	33344423	33345342	Gmdrm	hyper	CHH	0.0244

Gm13	33353881	33354880	Gmdrm	hyper	CHH	0.0207
Gm13	33376703	33377699	Gmdrm	hyper	CHH	0.0715
Gm13	33377713	33378691	Gmdrm	hyper	CHH	0.1312
Gm13	33424649	33425646	Gmdrm	hyper	CHH	0.02
Gm13	33489790	33490459	Gmdrm	hyper	CHH	0.0195
Gm13	33536608	33537602	Gmdrm	hyper	CHH	0.0124
Gm13	33544046	33544318	Gmdrm	hyper	CHH	0.0313
Gm13	33563756	33564020	Gmdrm	hyper	CHH	0.04
Gm13	33594402	33594517	Gmdrm	hyper	CHH	0.0414
Gm13	33606859	33607388	Gmdrm	hyper	CHH	0.0363
Gm13	33626032	33627005	Gmdrm	hyper	CHH	0.0134
Gm13	33628359	33629344	Gmdrm	hyper	CHH	0.0117
Gm13	33703884	33704827	Gmdrm	hyper	CHH	0.0158
Gm13	33737877	33738846	Gmdrm	hyper	CHH	0.0241
Gm13	33841681	33842626	Gmdrm	hyper	CHH	0.0131
Gm13	33863864	33864837	Gmdrm	hyper	CHH	0.013
Gm13	33886044	33887040	Gmdrm	hyper	CHH	0.0197
Gm13	33939636	33939980	Gmdrm	hyper	CHH	0.0489
Gm13	34008809	34008916	Gmdrm	hyper	CHH	0.1184
Gm13	34039527	34040519	Gmdrm	hyper	CHH	0.0188
Gm13	34047820	34048007	Gmdrm	hyper	CHH	0.0767
Gm13	34065158	34065280	Gmdrm	hyper	CHH	0.082
Gm13	34075086	34075548	Gmdrm	hyper	CHH	0.0303
Gm13	34077739	34077952	Gmdrm	hyper	CHH	0.0233
Gm13	34106908	34107864	Gmdrm	hyper	CHH	0.0261
Gm13	34107918	34108914	Gmdrm	hyper	CHH	0.0132
Gm13	34172102	34172712	Gmdrm	hyper	CHH	0.0267
Gm13	34180598	34181569	Gmdrm	hyper	CHH	0.0134
Gm13	34183963	34184961	Gmdrm	hyper	CHH	0.0154
Gm13	34192090	34193089	Gmdrm	hyper	CHH	0.0231
Gm13	34207480	34207619	Gmdrm	hyper	CHH	0.0422
Gm13	34227560	34228557	Gmdrm	hyper	CHH	0.0359
Gm13	34239889	34240679	Gmdrm	hyper	CHH	0.0186
Gm13	34283514	34284472	Gmdrm	hyper	CHH	0.0195
Gm13	34286518	34287481	Gmdrm	hyper	CHH	0.0486
Gm13	34333586	34334580	Gmdrm	hyper	CHH	0.0262
Gm13	34337034	34338031	Gmdrm	hyper	CHH	0.0214
Gm13	34351517	34352512	Gmdrm	hyper	CHH	0.0099
Gm13	34358541	34359351	Gmdrm	hyper	CHH	0.0189
Gm13	34383003	34383326	Gmdrm	hyper	CHH	0.0337
Gm13	34409924	34410917	Gmdrm	hyper	CHH	0.0237
Gm13	34410933	34411048	Gmdrm	hyper	CHH	0.098
Gm13	34415232	34416230	Gmdrm	hyper	CHH	0.019
Gm13	34582289	34583284	Gmdrm	hyper	CHH	0.0161
Gm13	34810079	34811041	Gmdrm	hyper	CHH	0.0144
Gm13	34905718	34906713	Gmdrm	hyper	CHH	0.0437

Gm13	34929058	34930047	Gmdrm	hyper	CHH	0.0159
Gm13	34930077	34931068	Gmdrm	hyper	CHH	0.0139
Gm13	34936391	34937388	Gmdrm	hyper	CHH	0.0197
Gm13	34943747	34944721	Gmdrm	hyper	CHH	0.0154
Gm13	34954655	34955224	Gmdrm	hyper	CHH	0.0298
Gm13	34959796	34960784	Gmdrm	hyper	CHH	0.0279
Gm13	34992717	34993708	Gmdrm	hyper	CHH	0.0186
Gm13	34996211	34996428	Gmdrm	hyper	CHH	0.08
Gm13	35037656	35038632	Gmdrm	hyper	CHH	0.0276
Gm13	35052890	35053132	Gmdrm	hyper	CHH	0.0342
Gm13	35067177	35067885	Gmdrm	hyper	CHH	0.0267
Gm13	35094084	35095021	Gmdrm	hyper	CHH	0.0168
Gm13	35156440	35156683	Gmdrm	hyper	CHH	0.0441
Gm13	35172756	35173242	Gmdrm	hyper	CHH	0.0193
Gm13	35228097	35228271	Gmdrm	hyper	CHH	0.0225
Gm13	35229601	35230574	Gmdrm	hyper	CHH	0.0247
Gm13	35275968	35276964	Gmdrm	hyper	CHH	0.0143
Gm13	35299507	35300507	Gmdrm	hyper	CHH	0.0231
Gm13	35339617	35340613	Gmdrm	hyper	CHH	0.0103
Gm13	35387603	35387983	Gmdrm	hyper	CHH	0.0333
Gm13	35432366	35432663	Gmdrm	hyper	CHH	0.0566
Gm13	35467856	35468853	Gmdrm	hyper	CHH	0.0346
Gm13	35539389	35540341	Gmdrm	hyper	CHH	0.0175
Gm13	35674369	35675125	Gmdrm	hyper	CHH	0.0227
Gm13	35702770	35702886	Gmdrm	hyper	CHH	0.0711
Gm13	35705442	35706436	Gmdrm	hyper	CHH	0.0206
Gm13	35799583	35800097	Gmdrm	hyper	CHH	0.0255
Gm13	35866673	35867281	Gmdrm	hyper	CHH	0.0167
Gm13	35876403	35877386	Gmdrm	hyper	CHH	0.0198
Gm13	35920598	35921417	Gmdrm	hyper	CHH	0.0374
Gm13	35967728	35968726	Gmdrm	hyper	CHH	0.0209
Gm13	35968729	35968986	Gmdrm	hyper	CHH	0.0585
Gm13	35974031	35975023	Gmdrm	hyper	CHH	0.0159
Gm13	35988690	35989051	Gmdrm	hyper	CHH	0.0329
Gm13	35992236	35993177	Gmdrm	hyper	CHH	0.015
Gm13	36037220	36038050	Gmdrm	hyper	CHH	0.0341
Gm13	36044033	36045026	Gmdrm	hyper	CHH	0.0165
Gm13	36128852	36128934	Gmdrm	hyper	CHH	0.047
Gm13	36136846	36137819	Gmdrm	hyper	CHH	0.0165
Gm13	36157331	36157666	Gmdrm	hyper	CHH	0.04
Gm13	36171148	36171453	Gmdrm	hyper	CHH	0.0721
Gm13	36241002	36241984	Gmdrm	hyper	CHH	0.0185
Gm13	36289693	36290692	Gmdrm	hyper	CHH	0.0144
Gm13	36302884	36303861	Gmdrm	hyper	CHH	0.0171
Gm13	36358278	36359275	Gmdrm	hyper	CHH	0.0149
Gm13	36392250	36393194	Gmdrm	hyper	CHH	0.0222

Gm13	36414222	36414303	Gmdrm	hyper	CHH	0.03
Gm13	36437848	36438363	Gmdrm	hyper	CHH	0.0303
Gm13	36442519	36443381	Gmdrm	hyper	CHH	0.0157
Gm13	36499504	36500488	Gmdrm	hyper	CHH	0.0121
Gm13	36516341	36517330	Gmdrm	hyper	CHH	0.0289
Gm13	36583253	36583728	Gmdrm	hyper	CHH	0.0255
Gm13	36593439	36594439	Gmdrm	hyper	CHH	0.0282
Gm13	36596454	36597450	Gmdrm	hyper	CHH	0.0169
Gm13	36599090	36600074	Gmdrm	hyper	CHH	0.0223
Gm13	36650093	36651092	Gmdrm	hyper	CHH	0.0145
Gm13	36662586	36663565	Gmdrm	hyper	CHH	0.0177
Gm13	36664676	36665593	Gmdrm	hyper	CHH	0.0131
Gm13	36674861	36675305	Gmdrm	hyper	CHH	0.0216
Gm13	36792349	36792740	Gmdrm	hyper	CHH	0.03
Gm13	36803563	36804558	Gmdrm	hyper	CHH	0.0338
Gm13	36838826	36839824	Gmdrm	hyper	CHH	0.0175
Gm13	36843696	36844693	Gmdrm	hyper	CHH	0.0188
Gm13	36845862	36846582	Gmdrm	hyper	CHH	0.0202
Gm13	36852261	36852744	Gmdrm	hyper	CHH	0.0364
Gm13	36856104	36856480	Gmdrm	hyper	CHH	0.0319
Gm13	36907480	36908468	Gmdrm	hyper	CHH	0.0155
Gm13	36956116	36957088	Gmdrm	hyper	CHH	0.0099
Gm13	37085763	37086743	Gmdrm	hyper	CHH	0.0245
Gm13	37101527	37102519	Gmdrm	hyper	CHH	0.0181
Gm13	37130762	37131737	Gmdrm	hyper	CHH	0.023
Gm13	37134089	37134461	Gmdrm	hyper	CHH	0.0196
Gm13	37134887	37135878	Gmdrm	hyper	CHH	0.0132
Gm13	37143092	37144091	Gmdrm	hyper	CHH	0.0141
Gm13	37154984	37155933	Gmdrm	hyper	CHH	0.0183
Gm13	37163452	37164438	Gmdrm	hyper	CHH	0.0146
Gm13	37200536	37201531	Gmdrm	hyper	CHH	0.0129
Gm13	37231506	37232506	Gmdrm	hyper	CHH	0.0109
Gm13	37232967	37233960	Gmdrm	hyper	CHH	0.0177
Gm13	37254619	37254917	Gmdrm	hyper	CHH	0.0345
Gm13	37255055	37255531	Gmdrm	hyper	CHH	0.0345
Gm13	37302184	37302934	Gmdrm	hyper	CHH	0.0175
Gm13	37355804	37356801	Gmdrm	hyper	CHH	0.0121
Gm13	37361636	37361936	Gmdrm	hyper	CHH	0.025
Gm13	37390146	37391136	Gmdrm	hyper	CHH	0.0115
Gm13	37412163	37413148	Gmdrm	hyper	CHH	0.0134
Gm13	37461178	37461581	Gmdrm	hyper	CHH	0.0309
Gm13	37573765	37574745	Gmdrm	hyper	CHH	0.0194
Gm13	37590457	37591446	Gmdrm	hyper	CHH	0.019
Gm13	37646532	37647348	Gmdrm	hyper	CHH	0.0254
Gm13	37687776	37688774	Gmdrm	hyper	CHH	0.0239
Gm13	37747216	37748180	Gmdrm	hyper	CHH	0.0318

Gm13	37785536	37786536	Gmdrm	hyper	CHH	0.0227
Gm13	38086281	38087280	Gmdrm	hyper	CHH	0.0145
Gm13	38137624	38137865	Gmdrm	hyper	CHH	0.0327
Gm13	38243827	38244800	Gmdrm	hyper	CHH	0.0134
Gm13	38267235	38268206	Gmdrm	hyper	CHH	0.0256
Gm13	38292886	38293876	Gmdrm	hyper	CHH	0.0122
Gm13	38295055	38295758	Gmdrm	hyper	CHH	0.0182
Gm13	38341797	38342784	Gmdrm	hyper	CHH	0.0146
Gm13	38496084	38496939	Gmdrm	hyper	CHH	0.0129
Gm13	38515501	38516011	Gmdrm	hyper	CHH	0.0534
Gm13	38577435	38578181	Gmdrm	hyper	CHH	0.0536
Gm13	38653195	38653645	Gmdrm	hyper	CHH	0.03
Gm13	38841504	38842456	Gmdrm	hyper	CHH	0.0143
Gm13	38896969	38897552	Gmdrm	hyper	CHH	0.0493
Gm13	38900349	38900579	Gmdrm	hyper	CHH	0.0216
Gm13	38947892	38948889	Gmdrm	hyper	CHH	0.0208
Gm13	38959644	38960638	Gmdrm	hyper	CHH	0.0118
Gm13	38982689	38983689	Gmdrm	hyper	CHH	0.0166
Gm13	38996669	38997184	Gmdrm	hyper	CHH	0.0305
Gm13	39016655	39017646	Gmdrm	hyper	CHH	0.0222
Gm13	39028226	39029197	Gmdrm	hyper	CHH	0.013
Gm13	39042746	39043505	Gmdrm	hyper	CHH	0.0354
Gm13	39081207	39082203	Gmdrm	hyper	CHH	0.0141
Gm13	39134210	39134335	Gmdrm	hyper	CHH	0.054
Gm13	39162334	39162743	Gmdrm	hyper	CHH	0.0312
Gm13	39180959	39181952	Gmdrm	hyper	CHH	0.0353
Gm13	39226494	39226787	Gmdrm	hyper	CHH	0.039
Gm13	39234550	39235546	Gmdrm	hyper	CHH	0.0113
Gm13	39237571	39238080	Gmdrm	hyper	CHH	0.024
Gm13	39294364	39295314	Gmdrm	hyper	CHH	0.0171
Gm13	39299840	39300833	Gmdrm	hyper	CHH	0.0142
Gm13	39325351	39326335	Gmdrm	hyper	CHH	0.0224
Gm13	39338489	39338546	Gmdrm	hyper	CHH	0.045
Gm13	39347510	39348509	Gmdrm	hyper	CHH	0.0157
Gm13	39359215	39360180	Gmdrm	hyper	CHH	0.0117
Gm13	39408316	39408997	Gmdrm	hyper	CHH	0.0164
Gm13	39418134	39418325	Gmdrm	hyper	CHH	0.06
Gm13	39429809	39430023	Gmdrm	hyper	CHH	0.0538
Gm13	39494640	39495248	Gmdrm	hyper	CHH	0.0398
Gm13	39526548	39527544	Gmdrm	hyper	CHH	0.0237
Gm13	39536336	39537329	Gmdrm	hyper	CHH	0.0133
Gm13	39566513	39567481	Gmdrm	hyper	CHH	0.0263
Gm13	39567671	39568610	Gmdrm	hyper	CHH	0.0249
Gm13	39569701	39570469	Gmdrm	hyper	CHH	0.0272
Gm13	39615955	39616152	Gmdrm	hyper	CHH	0.025
Gm13	39647193	39648183	Gmdrm	hyper	CHH	0.0221

Gm13	39703100	39703636	Gmdrm	hyper	CHH	0.0214
Gm13	39752882	39753283	Gmdrm	hyper	CHH	0.0473
Gm13	39774842	39775777	Gmdrm	hyper	CHH	0.0175
Gm13	39935668	39936120	Gmdrm	hyper	CHH	0.0229
Gm13	39943629	39944618	Gmdrm	hyper	CHH	0.0208
Gm13	39973210	39973624	Gmdrm	hyper	CHH	0.091
Gm13	40019876	40020869	Gmdrm	hyper	CHH	0.0118
Gm13	40031431	40032423	Gmdrm	hyper	CHH	0.026
Gm13	40033853	40034322	Gmdrm	hyper	CHH	0.0208
Gm13	40149579	40150562	Gmdrm	hyper	CHH	0.0142
Gm13	40161509	40162502	Gmdrm	hyper	CHH	0.0218
Gm13	40237548	40237745	Gmdrm	hyper	CHH	0.068
Gm13	40263798	40264798	Gmdrm	hyper	CHH	0.0241
Gm13	40310179	40311169	Gmdrm	hyper	CHH	0.0103
Gm13	40325956	40326922	Gmdrm	hyper	CHH	0.0145
Gm13	40359984	40360972	Gmdrm	hyper	CHH	0.021
Gm13	40513230	40514226	Gmdrm	hyper	CHH	0.0207
Gm13	40586212	40587096	Gmdrm	hyper	CHH	0.0221
Gm13	40589454	40589947	Gmdrm	hyper	CHH	0.0385
Gm13	40591070	40592066	Gmdrm	hyper	CHH	0.0222
Gm13	40594916	40595029	Gmdrm	hyper	CHH	0.0633
Gm13	40621332	40622332	Gmdrm	hyper	CHH	0.0314
Gm13	40629513	40630503	Gmdrm	hyper	CHH	0.0405
Gm13	40652061	40653058	Gmdrm	hyper	CHH	0.0171
Gm13	40723721	40723985	Gmdrm	hyper	CHH	0.0187
Gm13	40725025	40726008	Gmdrm	hyper	CHH	0.0123
Gm13	40809055	40810054	Gmdrm	hyper	CHH	0.0212
Gm13	40862755	40863033	Gmdrm	hyper	CHH	0.0337
Gm13	40881347	40882333	Gmdrm	hyper	CHH	0.0123
Gm13	40888510	40889510	Gmdrm	hyper	CHH	0.0127
Gm13	40902159	40903150	Gmdrm	hyper	CHH	0.0132
Gm13	40941849	40942144	Gmdrm	hyper	CHH	0.0513
Gm13	40989627	40989890	Gmdrm	hyper	CHH	0.0385
Gm13	41086669	41086895	Gmdrm	hyper	CHH	0.0378
Gm13	41104003	41104919	Gmdrm	hyper	CHH	0.018
Gm13	41117558	41118453	Gmdrm	hyper	CHH	0.0167
Gm13	41127665	41128630	Gmdrm	hyper	CHH	0.0151
Gm13	41211156	41212125	Gmdrm	hyper	CHH	0.0186
Gm13	41256880	41257825	Gmdrm	hyper	CHH	0.0258
Gm13	41272017	41273015	Gmdrm	hyper	CHH	0.0195
Gm13	41351490	41352477	Gmdrm	hyper	CHH	0.0197
Gm13	41367077	41368069	Gmdrm	hyper	CHH	0.0215
Gm13	41407816	41408810	Gmdrm	hyper	CHH	0.0461
Gm13	41419291	41420281	Gmdrm	hyper	CHH	0.045
Gm13	41439374	41440373	Gmdrm	hyper	CHH	0.0312
Gm13	41493004	41494003	Gmdrm	hyper	CHH	0.0231

Gm13	41498851	41499841	Gmdrm	hyper	CHH	0.013
Gm13	41523992	41524482	Gmdrm	hyper	CHH	0.0326
Gm13	41528554	41529209	Gmdrm	hyper	CHH	0.0207
Gm13	41530643	41531173	Gmdrm	hyper	CHH	0.0236
Gm13	41539500	41539921	Gmdrm	hyper	CHH	0.0135
Gm13	41609749	41610745	Gmdrm	hyper	CHH	0.0137
Gm13	41635793	41635981	Gmdrm	hyper	CHH	0.065
Gm13	41659966	41660944	Gmdrm	hyper	CHH	0.0194
Gm13	41669591	41670233	Gmdrm	hyper	CHH	0.0434
Gm13	41676757	41677711	Gmdrm	hyper	CHH	0.02
Gm13	41710183	41710343	Gmdrm	hyper	CHH	0.0409
Gm13	41805805	41806617	Gmdrm	hyper	CHH	0.017
Gm13	41851398	41852396	Gmdrm	hyper	CHH	0.0256
Gm13	41855522	41856494	Gmdrm	hyper	CHH	0.0186
Gm13	41867282	41868262	Gmdrm	hyper	CHH	0.0178
Gm13	41883417	41883632	Gmdrm	hyper	CHH	0.0772
Gm13	42005608	42006595	Gmdrm	hyper	CHH	0.0152
Gm13	42045568	42046165	Gmdrm	hyper	CHH	0.0191
Gm13	42051406	42052400	Gmdrm	hyper	CHH	0.0202
Gm13	42085554	42086547	Gmdrm	hyper	CHH	0.0135
Gm13	42136642	42136916	Gmdrm	hyper	CHH	0.0268
Gm13	42163767	42164004	Gmdrm	hyper	CHH	0.0433
Gm13	42241021	42241996	Gmdrm	hyper	CHH	0.0192
Gm13	42248079	42249031	Gmdrm	hyper	CHH	0.0192
Gm13	42345085	42346036	Gmdrm	hyper	CHH	0.0137
Gm13	42402321	42403280	Gmdrm	hyper	CHH	0.0149
Gm13	42415791	42416337	Gmdrm	hyper	CHH	0.0464
Gm13	42447419	42448401	Gmdrm	hyper	CHH	0.0147
Gm13	42455571	42456547	Gmdrm	hyper	CHH	0.0271
Gm13	42495829	42496779	Gmdrm	hyper	CHH	0.0152
Gm13	42519209	42519834	Gmdrm	hyper	CHH	0.0173
Gm13	42541682	42542650	Gmdrm	hyper	CHH	0.0181
Gm13	42574453	42575415	Gmdrm	hyper	CHH	0.0118
Gm13	42603511	42604486	Gmdrm	hyper	CHH	0.0281
Gm13	42754304	42755281	Gmdrm	hyper	CHH	0.0269
Gm13	42782420	42783407	Gmdrm	hyper	CHH	0.014
Gm13	42811835	42812834	Gmdrm	hyper	CHH	0.0153
Gm13	42826027	42826316	Gmdrm	hyper	CHH	0.0433
Gm13	42844958	42845948	Gmdrm	hyper	CHH	0.0158
Gm13	42853515	42854481	Gmdrm	hyper	CHH	0.0148
Gm13	42881627	42882616	Gmdrm	hyper	CHH	0.0202
Gm13	42929976	42930924	Gmdrm	hyper	CHH	0.0163
Gm13	43044932	43045881	Gmdrm	hyper	CHH	0.0117
Gm13	43085948	43086928	Gmdrm	hyper	CHH	0.0192
Gm13	43088064	43089059	Gmdrm	hyper	CHH	0.0225
Gm13	43172175	43173167	Gmdrm	hyper	CHH	0.0186

Gm13	43179272	43179458	Gmdrm	hyper	CHH	0.0522
Gm13	43274353	43275145	Gmdrm	hyper	CHH	0.0285
Gm13	43280974	43281969	Gmdrm	hyper	CHH	0.0245
Gm13	43305657	43306655	Gmdrm	hyper	CHH	0.0141
Gm13	43316547	43317547	Gmdrm	hyper	CHH	0.0214
Gm13	43320226	43321198	Gmdrm	hyper	CHH	0.0289
Gm13	43321230	43322218	Gmdrm	hyper	CHH	0.0125
Gm13	43338146	43339142	Gmdrm	hyper	CHH	0.0115
Gm13	43340443	43341392	Gmdrm	hyper	CHH	0.0282
Gm13	43440811	43441796	Gmdrm	hyper	CHH	0.0222
Gm13	43469461	43469947	Gmdrm	hyper	CHH	0.0307
Gm13	43471310	43472227	Gmdrm	hyper	CHH	0.0233
Gm13	43561459	43562454	Gmdrm	hyper	CHH	0.0214
Gm13	43563111	43563313	Gmdrm	hyper	CHH	0.0655
Gm13	43573054	43573508	Gmdrm	hyper	CHH	0.0863
Gm13	43584675	43585660	Gmdrm	hyper	CHH	0.0564
Gm13	43585688	43585994	Gmdrm	hyper	CHH	0.0456
Gm13	43627941	43628259	Gmdrm	hyper	CHH	0.022
Gm13	43632000	43632984	Gmdrm	hyper	CHH	0.0125
Gm13	43790457	43791408	Gmdrm	hyper	CHH	0.0215
Gm13	43791487	43792483	Gmdrm	hyper	CHH	0.0158
Gm13	43796193	43796259	Gmdrm	hyper	CHH	0.04
Gm13	43797228	43798221	Gmdrm	hyper	CHH	0.0124
Gm13	43801268	43801602	Gmdrm	hyper	CHH	0.0647
Gm13	43803427	43804415	Gmdrm	hyper	CHH	0.0219
Gm13	43811263	43812261	Gmdrm	hyper	CHH	0.0257
Gm13	43818972	43819316	Gmdrm	hyper	CHH	0.0641
Gm13	43849856	43850349	Gmdrm	hyper	CHH	0.0462
Gm13	43923574	43924564	Gmdrm	hyper	CHH	0.0272
Gm13	43926578	43927575	Gmdrm	hyper	CHH	0.0159
Gm13	43929413	43930009	Gmdrm	hyper	CHH	0.0163
Gm13	43970411	43971405	Gmdrm	hyper	CHH	0.0151
Gm13	44035391	44036389	Gmdrm	hyper	CHH	0.0383
Gm13	44066547	44067070	Gmdrm	hyper	CHH	0.0263
Gm13	44127472	44127845	Gmdrm	hyper	CHH	0.0325
Gm13	44155548	44156525	Gmdrm	hyper	CHH	0.015
Gm13	44167724	44168672	Gmdrm	hyper	CHH	0.0142
Gm13	44295823	44296792	Gmdrm	hyper	CHH	0.0475
Gm13	44301875	44302343	Gmdrm	hyper	CHH	0.035
Gm13	44309235	44309482	Gmdrm	hyper	CHH	0.0967
Gm13	44389331	44390061	Gmdrm	hyper	CHH	0.0193
Gm13	44400643	44401625	Gmdrm	hyper	CHH	0.0158
Gm13	44435280	44436279	Gmdrm	hyper	CHH	0.0243
Gm13	44440846	44441836	Gmdrm	hyper	CHH	0.0708
Gm13	44477582	44478561	Gmdrm	hyper	CHH	0.0311
Gm13	44486909	44487906	Gmdrm	hyper	CHH	0.0282

Gm13	44566369	44566796	Gmdrm	hyper	CHH	0.029
Gm13	44588889	44589818	Gmdrm	hyper	CHH	0.0151
Gm13	44589905	44590905	Gmdrm	hyper	CHH	0.015
Gm13	44687003	44688001	Gmdrm	hyper	CHH	0.0134
Gm13	44704678	44705645	Gmdrm	hyper	CHH	0.0237
Gm13	44717654	44717774	Gmdrm	hyper	CHH	0.155
Gm13	44741810	44742136	Gmdrm	hyper	CHH	0.0605
Gm13	44755529	44755813	Gmdrm	hyper	CHH	0.0489
Gm13	44786053	44786919	Gmdrm	hyper	CHH	0.0236
Gm13	44792422	44792669	Gmdrm	hyper	CHH	0.0423
Gm13	44813729	44814646	Gmdrm	hyper	CHH	0.0189
Gm13	44920696	44921308	Gmdrm	hyper	CHH	0.0212
Gm13	44959941	44960925	Gmdrm	hyper	CHH	0.0276
Gm13	45014694	45015693	Gmdrm	hyper	CHH	0.0141
Gm13	45051972	45052925	Gmdrm	hyper	CHH	0.0385
Gm13	45119942	45120550	Gmdrm	hyper	CHH	0.0309
Gm13	45151566	45152495	Gmdrm	hyper	CHH	0.0294
Gm13_scaffol	718554	719545	Gmdrm	hyper	CHH	0.0194
Gm14	36596	37593	Gmdrm	hyper	CHH	0.0305
Gm14	69786	70778	Gmdrm	hyper	CHH	0.0361
Gm14	74876	75859	Gmdrm	hyper	CHH	0.1059
Gm14	78930	79916	Gmdrm	hyper	CHH	0.0287
Gm14	112017	113016	Gmdrm	hyper	CHH	0.0119
Gm14	158114	159048	Gmdrm	hyper	CHH	0.022
Gm14	176886	177583	Gmdrm	hyper	CHH	0.0284
Gm14	215930	216922	Gmdrm	hyper	CHH	0.0153
Gm14	221724	222724	Gmdrm	hyper	CHH	0.0194
Gm14	222727	223718	Gmdrm	hyper	CHH	0.0385
Gm14	248984	249235	Gmdrm	hyper	CHH	0.025
Gm14	408614	408717	Gmdrm	hyper	CHH	0.04
Gm14	420188	420518	Gmdrm	hyper	CHH	0.0143
Gm14	453415	454383	Gmdrm	hyper	CHH	0.0166
Gm14	479024	479492	Gmdrm	hyper	CHH	0.0246
Gm14	479603	479699	Gmdrm	hyper	CHH	0.07
Gm14	485351	486329	Gmdrm	hyper	CHH	0.0224
Gm14	487549	488546	Gmdrm	hyper	CHH	0.0105
Gm14	617038	617980	Gmdrm	hyper	CHH	0.0659
Gm14	623828	624028	Gmdrm	hyper	CHH	0.0506
Gm14	634626	635626	Gmdrm	hyper	CHH	0.04
Gm14	662816	663744	Gmdrm	hyper	CHH	0.0313
Gm14	691916	692869	Gmdrm	hyper	CHH	0.0203
Gm14	705489	706489	Gmdrm	hyper	CHH	0.0269
Gm14	709820	710820	Gmdrm	hyper	CHH	0.0192
Gm14	730982	731906	Gmdrm	hyper	CHH	0.0346
Gm14	749753	750718	Gmdrm	hyper	CHH	0.0135
Gm14	764605	765590	Gmdrm	hyper	CHH	0.0158

Gm14	767797	768793	Gmdrm	hyper	CHH	0.0171
Gm14	917431	918428	Gmdrm	hyper	CHH	0.0167
Gm14	951495	951583	Gmdrm	hyper	CHH	0.054
Gm14	969462	969708	Gmdrm	hyper	CHH	0.1066
Gm14	1025581	1026556	Gmdrm	hyper	CHH	0.0188
Gm14	1030400	1031400	Gmdrm	hyper	CHH	0.0156
Gm14	1047603	1047721	Gmdrm	hyper	CHH	0.0326
Gm14	1119659	1120656	Gmdrm	hyper	CHH	0.02
Gm14	1155971	1156550	Gmdrm	hyper	CHH	0.0568
Gm14	1176288	1177274	Gmdrm	hyper	CHH	0.0357
Gm14	1182706	1183704	Gmdrm	hyper	CHH	0.0137
Gm14	1219771	1220528	Gmdrm	hyper	CHH	0.0281
Gm14	1252572	1253563	Gmdrm	hyper	CHH	0.0215
Gm14	1253587	1254195	Gmdrm	hyper	CHH	0.0181
Gm14	1281781	1282779	Gmdrm	hyper	CHH	0.0141
Gm14	1430070	1430462	Gmdrm	hyper	CHH	0.064
Gm14	1465145	1465730	Gmdrm	hyper	CHH	0.0267
Gm14	1469351	1470114	Gmdrm	hyper	CHH	0.0177
Gm14	1516524	1517521	Gmdrm	hyper	CHH	0.0215
Gm14	1566605	1567605	Gmdrm	hyper	CHH	0.016
Gm14	1599186	1600173	Gmdrm	hyper	CHH	0.0135
Gm14	1634244	1635231	Gmdrm	hyper	CHH	0.0501
Gm14	1637830	1638811	Gmdrm	hyper	CHH	0.0178
Gm14	1713077	1713846	Gmdrm	hyper	CHH	0.02
Gm14	1749619	1750578	Gmdrm	hyper	CHH	0.0227
Gm14	1768363	1769351	Gmdrm	hyper	CHH	0.0186
Gm14	1770444	1771381	Gmdrm	hyper	CHH	0.024
Gm14	1788074	1789074	Gmdrm	hyper	CHH	0.0247
Gm14	1816028	1816478	Gmdrm	hyper	CHH	0.0409
Gm14	1828049	1829030	Gmdrm	hyper	CHH	0.0151
Gm14	1837408	1838390	Gmdrm	hyper	CHH	0.0268
Gm14	1864380	1865360	Gmdrm	hyper	CHH	0.0296
Gm14	1917494	1918485	Gmdrm	hyper	CHH	0.0088
Gm14	1933829	1934005	Gmdrm	hyper	CHH	0.0593
Gm14	1970053	1971052	Gmdrm	hyper	CHH	0.0229
Gm14	1976416	1976679	Gmdrm	hyper	CHH	0.0333
Gm14	1983162	1984132	Gmdrm	hyper	CHH	0.027
Gm14	1984163	1985113	Gmdrm	hyper	CHH	0.0172
Gm14	2003518	2004517	Gmdrm	hyper	CHH	0.0193
Gm14	2046844	2047826	Gmdrm	hyper	CHH	0.0173
Gm14	2179136	2180099	Gmdrm	hyper	CHH	0.03
Gm14	2181945	2182944	Gmdrm	hyper	CHH	0.0216
Gm14	2191294	2191359	Gmdrm	hyper	CHH	0.1217
Gm14	2229689	2230688	Gmdrm	hyper	CHH	0.0157
Gm14	2279237	2280227	Gmdrm	hyper	CHH	0.014
Gm14	2292748	2293725	Gmdrm	hyper	CHH	0.0125

Gm14	2310395	2311395	Gmdrm	hyper	CHH	0.0259
Gm14	2311397	2311837	Gmdrm	hyper	CHH	0.027
Gm14	2361596	2362574	Gmdrm	hyper	CHH	0.0239
Gm14	2417450	2418423	Gmdrm	hyper	CHH	0.0144
Gm14	2489688	2490677	Gmdrm	hyper	CHH	0.0397
Gm14	2530809	2531164	Gmdrm	hyper	CHH	0.0743
Gm14	2555660	2556135	Gmdrm	hyper	CHH	0.02
Gm14	2571286	2572277	Gmdrm	hyper	CHH	0.0273
Gm14	2631363	2632357	Gmdrm	hyper	CHH	0.0198
Gm14	2657839	2658809	Gmdrm	hyper	CHH	0.0217
Gm14	2688277	2689271	Gmdrm	hyper	CHH	0.0189
Gm14	2690875	2691834	Gmdrm	hyper	CHH	0.0414
Gm14	2794196	2795144	Gmdrm	hyper	CHH	0.0192
Gm14	2847764	2848305	Gmdrm	hyper	CHH	0.0159
Gm14	2929636	2930635	Gmdrm	hyper	CHH	0.0238
Gm14	2939128	2940093	Gmdrm	hyper	CHH	0.0181
Gm14	2941139	2942139	Gmdrm	hyper	CHH	0.014
Gm14	2993680	2994189	Gmdrm	hyper	CHH	0.0266
Gm14	3018951	3019043	Gmdrm	hyper	CHH	0.104
Gm14	3046288	3046460	Gmdrm	hyper	CHH	0.0227
Gm14	3076124	3077102	Gmdrm	hyper	CHH	0.0169
Gm14	3082291	3082356	Gmdrm	hyper	CHH	0.06
Gm14	3084627	3085592	Gmdrm	hyper	CHH	0.02
Gm14	3155326	3156275	Gmdrm	hyper	CHH	0.0275
Gm14	3188011	3188234	Gmdrm	hyper	CHH	0.0383
Gm14	3239802	3240751	Gmdrm	hyper	CHH	0.0116
Gm14	3284176	3285062	Gmdrm	hyper	CHH	0.0321
Gm14	3409616	3410615	Gmdrm	hyper	CHH	0.0196
Gm14	3416064	3417058	Gmdrm	hyper	CHH	0.0121
Gm14	3524358	3525347	Gmdrm	hyper	CHH	0.0182
Gm14	3614822	3615816	Gmdrm	hyper	CHH	0.0117
Gm14	3615836	3616497	Gmdrm	hyper	CHH	0.0136
Gm14	3649646	3650621	Gmdrm	hyper	CHH	0.0282
Gm14	3707618	3708592	Gmdrm	hyper	CHH	0.0166
Gm14	3777686	3778685	Gmdrm	hyper	CHH	0.0249
Gm14	3786039	3786481	Gmdrm	hyper	CHH	0.025
Gm14	3815884	3816882	Gmdrm	hyper	CHH	0.0224
Gm14	3835871	3836844	Gmdrm	hyper	CHH	0.0141
Gm14	3849889	3850881	Gmdrm	hyper	CHH	0.0345
Gm14	3850911	3851470	Gmdrm	hyper	CHH	0.0216
Gm14	3857800	3858796	Gmdrm	hyper	CHH	0.0085
Gm14	3875513	3876487	Gmdrm	hyper	CHH	0.0225
Gm14	3928248	3928847	Gmdrm	hyper	CHH	0.0266
Gm14	3953482	3954470	Gmdrm	hyper	CHH	0.0169
Gm14	3979412	3980366	Gmdrm	hyper	CHH	0.0236
Gm14	4061376	4061601	Gmdrm	hyper	CHH	0.096

Gm14	4109455	4110447	Gmdrm	hyper	CHH	0.0168
Gm14	4170109	4171103	Gmdrm	hyper	CHH	0.0204
Gm14	4232936	4233904	Gmdrm	hyper	CHH	0.0144
Gm14	4350874	4351714	Gmdrm	hyper	CHH	0.0226
Gm14	4409689	4410672	Gmdrm	hyper	CHH	0.0149
Gm14	4430244	4431241	Gmdrm	hyper	CHH	0.0298
Gm14	4489636	4490339	Gmdrm	hyper	CHH	0.0236
Gm14	4565153	4566096	Gmdrm	hyper	CHH	0.0414
Gm14	4619764	4620761	Gmdrm	hyper	CHH	0.0274
Gm14	4631288	4632259	Gmdrm	hyper	CHH	0.0241
Gm14	4685816	4685905	Gmdrm	hyper	CHH	0.0542
Gm14	4699552	4700548	Gmdrm	hyper	CHH	0.0912
Gm14	4738022	4739017	Gmdrm	hyper	CHH	0.0217
Gm14	4754900	4755879	Gmdrm	hyper	CHH	0.0338
Gm14	4764237	4764935	Gmdrm	hyper	CHH	0.0343
Gm14	4819430	4820083	Gmdrm	hyper	CHH	0.0558
Gm14	4834513	4835508	Gmdrm	hyper	CHH	0.0258
Gm14	4868177	4869166	Gmdrm	hyper	CHH	0.0164
Gm14	4913941	4914941	Gmdrm	hyper	CHH	0.0155
Gm14	4927603	4928603	Gmdrm	hyper	CHH	0.0151
Gm14	4939843	4940584	Gmdrm	hyper	CHH	0.0129
Gm14	4958609	4959604	Gmdrm	hyper	CHH	0.0162
Gm14	4996903	4997897	Gmdrm	hyper	CHH	0.0143
Gm14	5000144	5001139	Gmdrm	hyper	CHH	0.0218
Gm14	5043367	5043795	Gmdrm	hyper	CHH	0.0408
Gm14	5066981	5067540	Gmdrm	hyper	CHH	0.0322
Gm14	5085094	5086072	Gmdrm	hyper	CHH	0.0167
Gm14	5098147	5099136	Gmdrm	hyper	CHH	0.014
Gm14	5123699	5124659	Gmdrm	hyper	CHH	0.0165
Gm14	5133157	5134108	Gmdrm	hyper	CHH	0.0257
Gm14	5213909	5214892	Gmdrm	hyper	CHH	0.0163
Gm14	5250677	5251673	Gmdrm	hyper	CHH	0.0157
Gm14	5270471	5271468	Gmdrm	hyper	CHH	0.0178
Gm14	5329163	5330145	Gmdrm	hyper	CHH	0.0154
Gm14	5381589	5382289	Gmdrm	hyper	CHH	0.035
Gm14	5446874	5447295	Gmdrm	hyper	CHH	0.02
Gm14	5481552	5482550	Gmdrm	hyper	CHH	0.0239
Gm14	5571328	5572198	Gmdrm	hyper	CHH	0.0274
Gm14	5768909	5769903	Gmdrm	hyper	CHH	0.0177
Gm14	5873007	5874000	Gmdrm	hyper	CHH	0.0189
Gm14	5889036	5889448	Gmdrm	hyper	CHH	0.0891
Gm14	5898098	5899014	Gmdrm	hyper	CHH	0.0183
Gm14	5913621	5914618	Gmdrm	hyper	CHH	0.0559
Gm14	5917772	5918754	Gmdrm	hyper	CHH	0.0144
Gm14	5925220	5926204	Gmdrm	hyper	CHH	0.014
Gm14	5972117	5973111	Gmdrm	hyper	CHH	0.0169

Gm14	5981905	5982898	Gmdrm	hyper	CHH	0.0315
Gm14	6005234	6006199	Gmdrm	hyper	CHH	0.0187
Gm14	6088759	6089758	Gmdrm	hyper	CHH	0.0276
Gm14	6090767	6091763	Gmdrm	hyper	CHH	0.0123
Gm14	6110778	6111769	Gmdrm	hyper	CHH	0.0169
Gm14	6120731	6120833	Gmdrm	hyper	CHH	0.0513
Gm14	6124090	6124192	Gmdrm	hyper	CHH	0.022
Gm14	6215081	6216060	Gmdrm	hyper	CHH	0.0234
Gm14	6222886	6223875	Gmdrm	hyper	CHH	0.0234
Gm14	6234850	6235847	Gmdrm	hyper	CHH	0.0154
Gm14	6253791	6253996	Gmdrm	hyper	CHH	0.1155
Gm14	6297206	6298197	Gmdrm	hyper	CHH	0.0123
Gm14	6305363	6306352	Gmdrm	hyper	CHH	0.023
Gm14	6319129	6320083	Gmdrm	hyper	CHH	0.0171
Gm14	6399515	6400499	Gmdrm	hyper	CHH	0.0186
Gm14	6477381	6478380	Gmdrm	hyper	CHH	0.0202
Gm14	6521287	6522279	Gmdrm	hyper	CHH	0.0316
Gm14	6522288	6523123	Gmdrm	hyper	CHH	0.0658
Gm14	6567366	6568364	Gmdrm	hyper	CHH	0.0222
Gm14	6626564	6626987	Gmdrm	hyper	CHH	0.0225
Gm14	6733507	6733708	Gmdrm	hyper	CHH	0.08
Gm14	6735238	6736214	Gmdrm	hyper	CHH	0.0205
Gm14	6740291	6740409	Gmdrm	hyper	CHH	0.03
Gm14	6752784	6753772	Gmdrm	hyper	CHH	0.0128
Gm14	6811246	6812235	Gmdrm	hyper	CHH	0.0129
Gm14	6840740	6841736	Gmdrm	hyper	CHH	0.0133
Gm14	6848889	6849874	Gmdrm	hyper	CHH	0.0133
Gm14	6909111	6910080	Gmdrm	hyper	CHH	0.0177
Gm14	6959561	6960274	Gmdrm	hyper	CHH	0.0173
Gm14	7029429	7030416	Gmdrm	hyper	CHH	0.0232
Gm14	7061790	7062783	Gmdrm	hyper	CHH	0.0274
Gm14	7148524	7148650	Gmdrm	hyper	CHH	0.0743
Gm14	7166544	7167108	Gmdrm	hyper	CHH	0.0306
Gm14	7189976	7190959	Gmdrm	hyper	CHH	0.0692
Gm14	7191377	7192363	Gmdrm	hyper	CHH	0.0528
Gm14	7231482	7231721	Gmdrm	hyper	CHH	0.04
Gm14	7244360	7244680	Gmdrm	hyper	CHH	0.0253
Gm14	7265829	7265948	Gmdrm	hyper	CHH	0.038
Gm14	7358375	7359016	Gmdrm	hyper	CHH	0.0489
Gm14	7362854	7363851	Gmdrm	hyper	CHH	0.0338
Gm14	7387316	7388156	Gmdrm	hyper	CHH	0.0331
Gm14	7416549	7417539	Gmdrm	hyper	CHH	0.0188
Gm14	7453291	7454284	Gmdrm	hyper	CHH	0.0141
Gm14	7490469	7491398	Gmdrm	hyper	CHH	0.0148
Gm14	7492485	7493454	Gmdrm	hyper	CHH	0.0162
Gm14	7560041	7560812	Gmdrm	hyper	CHH	0.026

Gm14	7573924	7574759	Gmdrm	hyper	CHH	0.0212
Gm14	7615678	7616651	Gmdrm	hyper	CHH	0.0136
Gm14	7620181	7621179	Gmdrm	hyper	CHH	0.0097
Gm14	7622164	7623157	Gmdrm	hyper	CHH	0.0144
Gm14	7643153	7644135	Gmdrm	hyper	CHH	0.0148
Gm14	7651021	7651868	Gmdrm	hyper	CHH	0.034
Gm14	7664313	7665293	Gmdrm	hyper	CHH	0.0129
Gm14	7668087	7668994	Gmdrm	hyper	CHH	0.0241
Gm14	7686712	7687171	Gmdrm	hyper	CHH	0.0387
Gm14	7732722	7733715	Gmdrm	hyper	CHH	0.0111
Gm14	7851119	7852115	Gmdrm	hyper	CHH	0.0338
Gm14	7962478	7963466	Gmdrm	hyper	CHH	0.0128
Gm14	7970473	7971443	Gmdrm	hyper	CHH	0.0246
Gm14	7971477	7972182	Gmdrm	hyper	CHH	0.0562
Gm14	8028456	8029447	Gmdrm	hyper	CHH	0.0221
Gm14	8118185	8119164	Gmdrm	hyper	CHH	0.0271
Gm14	8232154	8233152	Gmdrm	hyper	CHH	0.0146
Gm14	8468832	8469823	Gmdrm	hyper	CHH	0.0189
Gm14	8469909	8470889	Gmdrm	hyper	CHH	0.0391
Gm14	8473964	8474570	Gmdrm	hyper	CHH	0.0177
Gm14	8498757	8499716	Gmdrm	hyper	CHH	0.0175
Gm14	8507767	8508767	Gmdrm	hyper	CHH	0.0137
Gm14	8526253	8527250	Gmdrm	hyper	CHH	0.0596
Gm14	8552700	8553680	Gmdrm	hyper	CHH	0.0175
Gm14	8563544	8564532	Gmdrm	hyper	CHH	0.0396
Gm14	8595844	8596813	Gmdrm	hyper	CHH	0.0148
Gm14	8656924	8657427	Gmdrm	hyper	CHH	0.0287
Gm14	8667150	8668143	Gmdrm	hyper	CHH	0.0166
Gm14	8748854	8749842	Gmdrm	hyper	CHH	0.017
Gm14	8762187	8763184	Gmdrm	hyper	CHH	0.0485
Gm14	8770364	8771358	Gmdrm	hyper	CHH	0.0173
Gm14	8793668	8794625	Gmdrm	hyper	CHH	0.0136
Gm14	8805610	8805704	Gmdrm	hyper	CHH	0.0517
Gm14	8806811	8807804	Gmdrm	hyper	CHH	0.0147
Gm14	8834419	8835415	Gmdrm	hyper	CHH	0.014
Gm14	8881498	8882491	Gmdrm	hyper	CHH	0.0203
Gm14	8944819	8945805	Gmdrm	hyper	CHH	0.0217
Gm14	9037978	9038977	Gmdrm	hyper	CHH	0.011
Gm14	9051032	9052003	Gmdrm	hyper	CHH	0.0134
Gm14	9056071	9057055	Gmdrm	hyper	CHH	0.0254
Gm14	9088969	9089958	Gmdrm	hyper	CHH	0.0419
Gm14	9093023	9093980	Gmdrm	hyper	CHH	0.0178
Gm14	9123909	9124275	Gmdrm	hyper	CHH	0.04
Gm14	9146488	9147487	Gmdrm	hyper	CHH	0.0138
Gm14	9163835	9164828	Gmdrm	hyper	CHH	0.0454
Gm14	9207233	9207735	Gmdrm	hyper	CHH	0.022

Gm14	9235796	9236321	Gmdrm	hyper	CHH	0.0397
Gm14	9327890	9328842	Gmdrm	hyper	CHH	0.0273
Gm14	9428357	9429343	Gmdrm	hyper	CHH	0.0506
Gm14	9462550	9463545	Gmdrm	hyper	CHH	0.0284
Gm14	9492651	9493647	Gmdrm	hyper	CHH	0.0112
Gm14	9639439	9640432	Gmdrm	hyper	CHH	0.0174
Gm14	9662273	9663176	Gmdrm	hyper	CHH	0.0208
Gm14	9782206	9783198	Gmdrm	hyper	CHH	0.0163
Gm14	9816896	9817893	Gmdrm	hyper	CHH	0.019
Gm14	9835944	9836938	Gmdrm	hyper	CHH	0.0134
Gm14	9973716	9974704	Gmdrm	hyper	CHH	0.0151
Gm14	10257219	10257261	Gmdrm	hyper	CHH	0.17
Gm14	10337823	10338178	Gmdrm	hyper	CHH	0.0239
Gm14	10349556	10350534	Gmdrm	hyper	CHH	0.0092
Gm14	10453420	10453765	Gmdrm	hyper	CHH	0.0285
Gm14	10552044	10553044	Gmdrm	hyper	CHH	0.0228
Gm14	10957015	10957480	Gmdrm	hyper	CHH	0.0563
Gm14	10959295	10959408	Gmdrm	hyper	CHH	0.124
Gm14	11238165	11238357	Gmdrm	hyper	CHH	0.1631
Gm14	11288179	11289148	Gmdrm	hyper	CHH	0.0303
Gm14	11372909	11373886	Gmdrm	hyper	CHH	0.0389
Gm14	11526434	11527371	Gmdrm	hyper	CHH	0.0197
Gm14	11581400	11582384	Gmdrm	hyper	CHH	0.0155
Gm14	11584978	11585190	Gmdrm	hyper	CHH	0.0562
Gm14	11604337	11605309	Gmdrm	hyper	CHH	0.0219
Gm14	11786820	11787369	Gmdrm	hyper	CHH	0.045
Gm14	11830403	11831399	Gmdrm	hyper	CHH	0.0169
Gm14	11968434	11969430	Gmdrm	hyper	CHH	0.0564
Gm14	11998202	11998700	Gmdrm	hyper	CHH	0.0274
Gm14	12141968	12142872	Gmdrm	hyper	CHH	0.0914
Gm14	12281576	12282566	Gmdrm	hyper	CHH	0.0681
Gm14	12595766	12595977	Gmdrm	hyper	CHH	0.0295
Gm14	12808011	12808511	Gmdrm	hyper	CHH	0.0559
Gm14	12864244	12864361	Gmdrm	hyper	CHH	0.1044
Gm14	12891325	12891980	Gmdrm	hyper	CHH	0.0654
Gm14	12948973	12949966	Gmdrm	hyper	CHH	0.0289
Gm14	12970936	12970998	Gmdrm	hyper	CHH	0.1566
Gm14	12983646	12984112	Gmdrm	hyper	CHH	0.0504
Gm14	12985417	12986376	Gmdrm	hyper	CHH	0.0152
Gm14	13034419	13035402	Gmdrm	hyper	CHH	0.0314
Gm14	13125071	13126064	Gmdrm	hyper	CHH	0.0403
Gm14	13155765	13156340	Gmdrm	hyper	CHH	0.0249
Gm14	13184847	13185111	Gmdrm	hyper	CHH	0.0741
Gm14	13223492	13223578	Gmdrm	hyper	CHH	0.228
Gm14	13310745	13311732	Gmdrm	hyper	CHH	0.0723
Gm14	13432859	13432984	Gmdrm	hyper	CHH	0.044

Gm14	13540265	13541251	Gmdrm	hyper	CHH	0.0168
Gm14	13776586	13777545	Gmdrm	hyper	CHH	0.0435
Gm14	13785704	13786702	Gmdrm	hyper	CHH	0.0107
Gm14	13858196	13859196	Gmdrm	hyper	CHH	0.0355
Gm14	13873554	13874522	Gmdrm	hyper	CHH	0.0222
Gm14	13906402	13906493	Gmdrm	hyper	CHH	0.031
Gm14	13966501	13967457	Gmdrm	hyper	CHH	0.0176
Gm14	13975002	13975975	Gmdrm	hyper	CHH	0.0113
Gm14	13986159	13987158	Gmdrm	hyper	CHH	0.0287
Gm14	14026921	14027349	Gmdrm	hyper	CHH	0.028
Gm14	14057035	14058034	Gmdrm	hyper	CHH	0.0694
Gm14	14157264	14157308	Gmdrm	hyper	CHH	0.1155
Gm14	14171037	14172036	Gmdrm	hyper	CHH	0.0519
Gm14	14172038	14173033	Gmdrm	hyper	CHH	0.0678
Gm14	14236411	14237410	Gmdrm	hyper	CHH	0.0419
Gm14	14399369	14400281	Gmdrm	hyper	CHH	0.0253
Gm14	14403378	14403438	Gmdrm	hyper	CHH	0.12
Gm14	14648966	14649965	Gmdrm	hyper	CHH	0.0377
Gm14	14659433	14660177	Gmdrm	hyper	CHH	0.055
Gm14	14842898	14842963	Gmdrm	hyper	CHH	0.1263
Gm14	14982132	14983132	Gmdrm	hyper	CHH	0.0739
Gm14	15113366	15113501	Gmdrm	hyper	CHH	0.21
Gm14	15870724	15871710	Gmdrm	hyper	CHH	0.0159
Gm14	15943314	15944308	Gmdrm	hyper	CHH	0.0486
Gm14	16099048	16099074	Gmdrm	hyper	CHH	0.208
Gm14	16345567	16346558	Gmdrm	hyper	CHH	0.0609
Gm14	16390998	16391997	Gmdrm	hyper	CHH	0.0506
Gm14	16420938	16421931	Gmdrm	hyper	CHH	0.0634
Gm14	16486697	16487678	Gmdrm	hyper	CHH	0.0383
Gm14	16492733	16493720	Gmdrm	hyper	CHH	0.0614
Gm14	16606419	16606534	Gmdrm	hyper	CHH	0.2762
Gm14	16634094	16634689	Gmdrm	hyper	CHH	0.0612
Gm14	16814664	16815660	Gmdrm	hyper	CHH	0.0385
Gm14	16899349	16900290	Gmdrm	hyper	CHH	0.0644
Gm14	16994613	16995595	Gmdrm	hyper	CHH	0.0169
Gm14	17092219	17092341	Gmdrm	hyper	CHH	0.218
Gm14	17283313	17284062	Gmdrm	hyper	CHH	0.0165
Gm14	17300033	17300904	Gmdrm	hyper	CHH	0.0399
Gm14	17403559	17404554	Gmdrm	hyper	CHH	0.0407
Gm14	17420640	17421640	Gmdrm	hyper	CHH	0.04
Gm14	17470391	17470470	Gmdrm	hyper	CHH	0.0433
Gm14	17492573	17493573	Gmdrm	hyper	CHH	0.0387
Gm14	17674162	17674229	Gmdrm	hyper	CHH	0.0917
Gm14	17693441	17693834	Gmdrm	hyper	CHH	0.0695
Gm14	18007643	18007720	Gmdrm	hyper	CHH	0.2457
Gm14	18054576	18055569	Gmdrm	hyper	CHH	0.0567

Gm14	18066037	18066066	Gmdrm	hyper	CHH	0.2
Gm14	18315975	18316972	Gmdrm	hyper	CHH	0.0154
Gm14	18365844	18366571	Gmdrm	hyper	CHH	0.0397
Gm14	18394742	18395736	Gmdrm	hyper	CHH	0.0159
Gm14	18532196	18532364	Gmdrm	hyper	CHH	0.2034
Gm14	18654827	18655693	Gmdrm	hyper	CHH	0.0139
Gm14	18725877	18726876	Gmdrm	hyper	CHH	0.09
Gm14	18726878	18727867	Gmdrm	hyper	CHH	0.0776
Gm14	18804113	18805100	Gmdrm	hyper	CHH	0.0468
Gm14	18874751	18874842	Gmdrm	hyper	CHH	0.1858
Gm14	18908325	18908923	Gmdrm	hyper	CHH	0.0542
Gm14	18993600	18993660	Gmdrm	hyper	CHH	0.2416
Gm14	19065735	19066352	Gmdrm	hyper	CHH	0.0341
Gm14	19132816	19133211	Gmdrm	hyper	CHH	0.0243
Gm14	19150182	19151182	Gmdrm	hyper	CHH	0.0396
Gm14	19504689	19505687	Gmdrm	hyper	CHH	0.0191
Gm14	19562090	19563090	Gmdrm	hyper	CHH	0.0572
Gm14	19572489	19573488	Gmdrm	hyper	CHH	0.0581
Gm14	19573490	19574488	Gmdrm	hyper	CHH	0.0657
Gm14	19574493	19575493	Gmdrm	hyper	CHH	0.0656
Gm14	19575497	19576492	Gmdrm	hyper	CHH	0.0734
Gm14	19576510	19577506	Gmdrm	hyper	CHH	0.0648
Gm14	19606456	19607456	Gmdrm	hyper	CHH	0.0497
Gm14	19877597	19878003	Gmdrm	hyper	CHH	0.055
Gm14	19924179	19925043	Gmdrm	hyper	CHH	0.0639
Gm14	19986579	19986820	Gmdrm	hyper	CHH	0.1327
Gm14	20091149	20092134	Gmdrm	hyper	CHH	0.0134
Gm14	20148049	20148469	Gmdrm	hyper	CHH	0.0512
Gm14	20246948	20247693	Gmdrm	hyper	CHH	0.0595
Gm14	20520142	20520885	Gmdrm	hyper	CHH	0.0577
Gm14	20725928	20726921	Gmdrm	hyper	CHH	0.0523
Gm14	20913000	20913085	Gmdrm	hyper	CHH	0.1773
Gm14	20942331	20942394	Gmdrm	hyper	CHH	0.1786
Gm14	20992881	20993186	Gmdrm	hyper	CHH	0.1864
Gm14	21052796	21053790	Gmdrm	hyper	CHH	0.0524
Gm14	21062396	21063335	Gmdrm	hyper	CHH	0.0723
Gm14	21109743	21110341	Gmdrm	hyper	CHH	0.0548
Gm14	21110806	21111574	Gmdrm	hyper	CHH	0.0395
Gm14	21355443	21356435	Gmdrm	hyper	CHH	0.046
Gm14	21466063	21466774	Gmdrm	hyper	CHH	0.1118
Gm14	21526056	21526534	Gmdrm	hyper	CHH	0.0982
Gm14	21643917	21644261	Gmdrm	hyper	CHH	0.0678
Gm14	21703835	21703942	Gmdrm	hyper	CHH	0.1715
Gm14	21951069	21951464	Gmdrm	hyper	CHH	0.1421
Gm14	21986926	21987911	Gmdrm	hyper	CHH	0.0235
Gm14	22044081	22045074	Gmdrm	hyper	CHH	0.0754

Gm14	22527692	22528681	Gmdrm	hyper	CHH	0.0342
Gm14	22799294	22800290	Gmdrm	hyper	CHH	0.0399
Gm14	22853984	22854984	Gmdrm	hyper	CHH	0.0118
Gm14	22906037	22906400	Gmdrm	hyper	CHH	0.0417
Gm14	22983903	22984198	Gmdrm	hyper	CHH	0.094
Gm14	23030510	23031510	Gmdrm	hyper	CHH	0.0427
Gm14	23033866	23033888	Gmdrm	hyper	CHH	0.4784
Gm14	23158190	23158824	Gmdrm	hyper	CHH	0.0851
Gm14	23270131	23271090	Gmdrm	hyper	CHH	0.0128
Gm14	23444031	23444051	Gmdrm	hyper	CHH	0.2273
Gm14	23699431	23700423	Gmdrm	hyper	CHH	0.0405
Gm14	23793788	23794745	Gmdrm	hyper	CHH	0.0236
Gm14	23819043	23819994	Gmdrm	hyper	CHH	0.0546
Gm14	23857627	23858624	Gmdrm	hyper	CHH	0.0363
Gm14	24193591	24194584	Gmdrm	hyper	CHH	0.0453
Gm14	24222243	24223235	Gmdrm	hyper	CHH	0.0146
Gm14	24262962	24263233	Gmdrm	hyper	CHH	0.127
Gm14	24303646	24303950	Gmdrm	hyper	CHH	0.1148
Gm14	24349322	24350319	Gmdrm	hyper	CHH	0.0618
Gm14	24408614	24409287	Gmdrm	hyper	CHH	0.0566
Gm14	24455956	24456955	Gmdrm	hyper	CHH	0.0158
Gm14	24506816	24507404	Gmdrm	hyper	CHH	0.042
Gm14	24622971	24623961	Gmdrm	hyper	CHH	0.0198
Gm14	24634340	24635334	Gmdrm	hyper	CHH	0.0432
Gm14	24655740	24656723	Gmdrm	hyper	CHH	0.0589
Gm14	24792287	24793285	Gmdrm	hyper	CHH	0.04
Gm14	24810851	24811168	Gmdrm	hyper	CHH	0.1097
Gm14	24873466	24874455	Gmdrm	hyper	CHH	0.0534
Gm14	24914620	24914826	Gmdrm	hyper	CHH	0.0477
Gm14	24947573	24948545	Gmdrm	hyper	CHH	0.0878
Gm14	24951623	24951842	Gmdrm	hyper	CHH	0.0444
Gm14	25014354	25014625	Gmdrm	hyper	CHH	0.0211
Gm14	25180938	25181930	Gmdrm	hyper	CHH	0.0535
Gm14	25222247	25223232	Gmdrm	hyper	CHH	0.0433
Gm14	25270722	25271237	Gmdrm	hyper	CHH	0.0198
Gm14	25538370	25539369	Gmdrm	hyper	CHH	0.0243
Gm14	25539593	25540588	Gmdrm	hyper	CHH	0.0241
Gm14	25550825	25551821	Gmdrm	hyper	CHH	0.0185
Gm14	25836378	25837367	Gmdrm	hyper	CHH	0.0268
Gm14	25844215	25844881	Gmdrm	hyper	CHH	0.0713
Gm14	26131090	26131953	Gmdrm	hyper	CHH	0.0734
Gm14	26158620	26159406	Gmdrm	hyper	CHH	0.0174
Gm14	26289777	26290764	Gmdrm	hyper	CHH	0.0493
Gm14	26301566	26302393	Gmdrm	hyper	CHH	0.0872
Gm14	26501280	26502280	Gmdrm	hyper	CHH	0.0386
Gm14	26610997	26611992	Gmdrm	hyper	CHH	0.0413

Gm14	26675920	26676276	Gmdrm	hyper	CHH	0.0387
Gm14	26732039	26732754	Gmdrm	hyper	CHH	0.0567
Gm14	26880081	26881076	Gmdrm	hyper	CHH	0.05
Gm14	26926623	26926823	Gmdrm	hyper	CHH	0.094
Gm14	27174387	27174593	Gmdrm	hyper	CHH	0.0938
Gm14	27239427	27239686	Gmdrm	hyper	CHH	0.0378
Gm14	27364986	27365939	Gmdrm	hyper	CHH	0.0161
Gm14	27474758	27475749	Gmdrm	hyper	CHH	0.0411
Gm14	27826737	27826784	Gmdrm	hyper	CHH	0.106
Gm14	28363540	28364530	Gmdrm	hyper	CHH	0.0123
Gm14	28503449	28503648	Gmdrm	hyper	CHH	0.0825
Gm14	28525836	28526833	Gmdrm	hyper	CHH	0.0177
Gm14	28591659	28592652	Gmdrm	hyper	CHH	0.0287
Gm14	28732602	28733598	Gmdrm	hyper	CHH	0.0487
Gm14	28884254	28884371	Gmdrm	hyper	CHH	0.0438
Gm14	28890599	28890720	Gmdrm	hyper	CHH	0.05
Gm14	28914646	28915642	Gmdrm	hyper	CHH	0.0489
Gm14	28955068	28956042	Gmdrm	hyper	CHH	0.024
Gm14	29063411	29064405	Gmdrm	hyper	CHH	0.0513
Gm14	29199351	29200351	Gmdrm	hyper	CHH	0.0502
Gm14	29208034	29209025	Gmdrm	hyper	CHH	0.0192
Gm14	29371687	29372681	Gmdrm	hyper	CHH	0.0128
Gm14	29492698	29493650	Gmdrm	hyper	CHH	0.0212
Gm14	29696269	29696900	Gmdrm	hyper	CHH	0.0364
Gm14	29814096	29815037	Gmdrm	hyper	CHH	0.0259
Gm14	29851331	29852328	Gmdrm	hyper	CHH	0.0717
Gm14	29852344	29853339	Gmdrm	hyper	CHH	0.0633
Gm14	29853348	29854346	Gmdrm	hyper	CHH	0.0626
Gm14	29854350	29855344	Gmdrm	hyper	CHH	0.0553
Gm14	29855358	29856354	Gmdrm	hyper	CHH	0.071
Gm14	30001063	30002005	Gmdrm	hyper	CHH	0.0464
Gm14	30139452	30140441	Gmdrm	hyper	CHH	0.0429
Gm14	30150635	30151634	Gmdrm	hyper	CHH	0.0398
Gm14	30167487	30168186	Gmdrm	hyper	CHH	0.0202
Gm14	30514184	30515164	Gmdrm	hyper	CHH	0.03
Gm14	30515324	30516324	Gmdrm	hyper	CHH	0.0307
Gm14	30517357	30518354	Gmdrm	hyper	CHH	0.0392
Gm14	30673922	30674418	Gmdrm	hyper	CHH	0.1087
Gm14	30675499	30675595	Gmdrm	hyper	CHH	0.2385
Gm14	30758842	30759797	Gmdrm	hyper	CHH	0.0425
Gm14	30989811	30990796	Gmdrm	hyper	CHH	0.0364
Gm14	31107031	31107833	Gmdrm	hyper	CHH	0.038
Gm14	31125995	31126288	Gmdrm	hyper	CHH	0.0287
Gm14	31261502	31261748	Gmdrm	hyper	CHH	0.0252
Gm14	31263896	31264235	Gmdrm	hyper	CHH	0.1109
Gm14	31421226	31422224	Gmdrm	hyper	CHH	0.0512

Gm14	31580272	31580372	Gmdrm	hyper	CHH	0.16
Gm14	31620874	31621172	Gmdrm	hyper	CHH	0.1331
Gm14	31631019	31631164	Gmdrm	hyper	CHH	0.1725
Gm14	31774666	31774754	Gmdrm	hyper	CHH	0.09
Gm14	31791060	31791171	Gmdrm	hyper	CHH	0.125
Gm14	31852700	31852728	Gmdrm	hyper	CHH	0.534
Gm14	31959596	31959809	Gmdrm	hyper	CHH	0.1392
Gm14	32087378	32087528	Gmdrm	hyper	CHH	0.0526
Gm14	32207393	32208379	Gmdrm	hyper	CHH	0.0713
Gm14	32214402	32214459	Gmdrm	hyper	CHH	0.16
Gm14	32311437	32312429	Gmdrm	hyper	CHH	0.0461
Gm14	32322223	32323217	Gmdrm	hyper	CHH	0.0515
Gm14	32327246	32328222	Gmdrm	hyper	CHH	0.0548
Gm14	32333432	32334430	Gmdrm	hyper	CHH	0.042
Gm14	32405184	32406183	Gmdrm	hyper	CHH	0.0634
Gm14	32456872	32457846	Gmdrm	hyper	CHH	0.0179
Gm14	32506827	32507148	Gmdrm	hyper	CHH	0.0669
Gm14	32513958	32514217	Gmdrm	hyper	CHH	0.031
Gm14	32731096	32731722	Gmdrm	hyper	CHH	0.1027
Gm14	32790274	32791274	Gmdrm	hyper	CHH	0.058
Gm14	33104419	33104731	Gmdrm	hyper	CHH	0.1919
Gm14	33172089	33173082	Gmdrm	hyper	CHH	0.0459
Gm14	33372862	33372918	Gmdrm	hyper	CHH	0.2133
Gm14	33452016	33453016	Gmdrm	hyper	CHH	0.063
Gm14	33560354	33561339	Gmdrm	hyper	CHH	0.0192
Gm14	33593449	33594442	Gmdrm	hyper	CHH	0.0273
Gm14	33888094	33888195	Gmdrm	hyper	CHH	0.1822
Gm14	34039691	34039861	Gmdrm	hyper	CHH	0.1645
Gm14	34449281	34450229	Gmdrm	hyper	CHH	0.0136
Gm14	34536302	34536681	Gmdrm	hyper	CHH	0.0927
Gm14	34604069	34605015	Gmdrm	hyper	CHH	0.0526
Gm14	34651792	34652792	Gmdrm	hyper	CHH	0.0453
Gm14	34800305	34800377	Gmdrm	hyper	CHH	0.2283
Gm14	34805053	34805096	Gmdrm	hyper	CHH	0.25
Gm14	34819917	34820910	Gmdrm	hyper	CHH	0.0541
Gm14	34859943	34860937	Gmdrm	hyper	CHH	0.0698
Gm14	34868177	34869177	Gmdrm	hyper	CHH	0.0506
Gm14	35181460	35181527	Gmdrm	hyper	CHH	0.3027
Gm14	35221842	35222830	Gmdrm	hyper	CHH	0.0318
Gm14	35230810	35231809	Gmdrm	hyper	CHH	0.0394
Gm14	35292748	35293274	Gmdrm	hyper	CHH	0.1386
Gm14	35372160	35373159	Gmdrm	hyper	CHH	0.0729
Gm14	35548253	35549246	Gmdrm	hyper	CHH	0.0125
Gm14	35674491	35675491	Gmdrm	hyper	CHH	0.0398
Gm14	35975897	35976894	Gmdrm	hyper	CHH	0.0462
Gm14	36218106	36219105	Gmdrm	hyper	CHH	0.0481

Gm14	36228427	36228718	Gmdrm	hyper	CHH	0.0629
Gm14	36397102	36398087	Gmdrm	hyper	CHH	0.0719
Gm14	36537327	36537744	Gmdrm	hyper	CHH	0.0469
Gm14	36640564	36641549	Gmdrm	hyper	CHH	0.0848
Gm14	36788279	36788615	Gmdrm	hyper	CHH	0.1659
Gm14	36869593	36870251	Gmdrm	hyper	CHH	0.0685
Gm14	37111850	37112850	Gmdrm	hyper	CHH	0.037
Gm14	37167560	37167653	Gmdrm	hyper	CHH	0.13
Gm14	37170839	37171839	Gmdrm	hyper	CHH	0.0504
Gm14	37371143	37372049	Gmdrm	hyper	CHH	0.0222
Gm14	37401023	37401192	Gmdrm	hyper	CHH	0.1769
Gm14	37426434	37426574	Gmdrm	hyper	CHH	0.2822
Gm14	37599023	37599051	Gmdrm	hyper	CHH	0.0457
Gm14	37690203	37690485	Gmdrm	hyper	CHH	0.1019
Gm14	37859568	37860136	Gmdrm	hyper	CHH	0.0306
Gm14	37911420	37912415	Gmdrm	hyper	CHH	0.0279
Gm14	37944532	37944897	Gmdrm	hyper	CHH	0.0666
Gm14	37949252	37950248	Gmdrm	hyper	CHH	0.018
Gm14	37973649	37974443	Gmdrm	hyper	CHH	0.0872
Gm14	38043998	38044164	Gmdrm	hyper	CHH	0.1043
Gm14	38850608	38851598	Gmdrm	hyper	CHH	0.0758
Gm14	39071822	39072330	Gmdrm	hyper	CHH	0.0274
Gm14	39503921	39504914	Gmdrm	hyper	CHH	0.0324
Gm14	39555069	39555146	Gmdrm	hyper	CHH	0.1684
Gm14	39710132	39710218	Gmdrm	hyper	CHH	0.1322
Gm14	39719381	39720371	Gmdrm	hyper	CHH	0.0485
Gm14	39819611	39819754	Gmdrm	hyper	CHH	0.3315
Gm14	39959657	39959745	Gmdrm	hyper	CHH	0.2666
Gm14	40073587	40074581	Gmdrm	hyper	CHH	0.0551
Gm14	40139548	40139593	Gmdrm	hyper	CHH	0.14
Gm14	40222036	40223000	Gmdrm	hyper	CHH	0.0249
Gm14	40245110	40246094	Gmdrm	hyper	CHH	0.0329
Gm14	40288627	40288718	Gmdrm	hyper	CHH	0.1378
Gm14	40304934	40305597	Gmdrm	hyper	CHH	0.0871
Gm14	40456546	40456686	Gmdrm	hyper	CHH	0.1967
Gm14	40506792	40507765	Gmdrm	hyper	CHH	0.0677
Gm14	40661156	40661245	Gmdrm	hyper	CHH	0.29
Gm14	40795205	40796205	Gmdrm	hyper	CHH	0.0909
Gm14	40799756	40800756	Gmdrm	hyper	CHH	0.0785
Gm14	40801767	40802767	Gmdrm	hyper	CHH	0.0576
Gm14	40804781	40805780	Gmdrm	hyper	CHH	0.0641
Gm14	41044508	41044726	Gmdrm	hyper	CHH	0.0486
Gm14	41180125	41181123	Gmdrm	hyper	CHH	0.0225
Gm14	41281926	41282926	Gmdrm	hyper	CHH	0.0324
Gm14	41320679	41321675	Gmdrm	hyper	CHH	0.0167
Gm14	41438765	41439765	Gmdrm	hyper	CHH	0.0352

Gm14	41446984	41447563	Gmdrm	hyper	CHH	0.0348
Gm14	41452778	41453776	Gmdrm	hyper	CHH	0.0178
Gm14	41461717	41462705	Gmdrm	hyper	CHH	0.0301
Gm14	41462731	41463729	Gmdrm	hyper	CHH	0.0437
Gm14	41507812	41508775	Gmdrm	hyper	CHH	0.0155
Gm14	41595881	41596867	Gmdrm	hyper	CHH	0.044
Gm14	41601520	41601630	Gmdrm	hyper	CHH	0.068
Gm14	41603960	41604950	Gmdrm	hyper	CHH	0.0345
Gm14	41733289	41733402	Gmdrm	hyper	CHH	0.06
Gm14	41946698	41947178	Gmdrm	hyper	CHH	0.0251
Gm14	41958413	41959362	Gmdrm	hyper	CHH	0.0168
Gm14	42006304	42006487	Gmdrm	hyper	CHH	0.0477
Gm14	42050437	42051435	Gmdrm	hyper	CHH	0.0709
Gm14	42142603	42143070	Gmdrm	hyper	CHH	0.0152
Gm14	42196197	42196493	Gmdrm	hyper	CHH	0.0393
Gm14	42265685	42266685	Gmdrm	hyper	CHH	0.0265
Gm14	42479402	42480399	Gmdrm	hyper	CHH	0.0475
Gm14	42587323	42588315	Gmdrm	hyper	CHH	0.0405
Gm14	42621091	42622068	Gmdrm	hyper	CHH	0.0413
Gm14	42630923	42631879	Gmdrm	hyper	CHH	0.0131
Gm14	42662725	42663725	Gmdrm	hyper	CHH	0.0167
Gm14	42684131	42685131	Gmdrm	hyper	CHH	0.0155
Gm14	42752384	42753383	Gmdrm	hyper	CHH	0.0438
Gm14	42756427	42757420	Gmdrm	hyper	CHH	0.0437
Gm14	42757437	42758434	Gmdrm	hyper	CHH	0.0582
Gm14	42758458	42759455	Gmdrm	hyper	CHH	0.0669
Gm14	42843039	42844022	Gmdrm	hyper	CHH	0.013
Gm14	42897068	42898066	Gmdrm	hyper	CHH	0.0312
Gm14	42931436	42932124	Gmdrm	hyper	CHH	0.0219
Gm14	42994048	42995038	Gmdrm	hyper	CHH	0.0184
Gm14	43016111	43017061	Gmdrm	hyper	CHH	0.0628
Gm14	43074894	43075890	Gmdrm	hyper	CHH	0.0685
Gm14	43114993	43115989	Gmdrm	hyper	CHH	0.0505
Gm14	43256634	43257629	Gmdrm	hyper	CHH	0.0467
Gm14	43316637	43317443	Gmdrm	hyper	CHH	0.0198
Gm14	43324294	43325284	Gmdrm	hyper	CHH	0.0103
Gm14	43329029	43329457	Gmdrm	hyper	CHH	0.0434
Gm14	43338969	43339959	Gmdrm	hyper	CHH	0.0368
Gm14	43347706	43348695	Gmdrm	hyper	CHH	0.0179
Gm14	43382389	43383040	Gmdrm	hyper	CHH	0.0151
Gm14	43474094	43475093	Gmdrm	hyper	CHH	0.0323
Gm14	43503333	43504320	Gmdrm	hyper	CHH	0.0139
Gm14	43569941	43570570	Gmdrm	hyper	CHH	0.0192
Gm14	43596319	43596431	Gmdrm	hyper	CHH	0.04
Gm14	43612676	43613676	Gmdrm	hyper	CHH	0.0432
Gm14	43641274	43642257	Gmdrm	hyper	CHH	0.0148

Gm14	43655660	43656283	Gmdrm	hyper	CHH	0.0166
Gm14	43806076	43806524	Gmdrm	hyper	CHH	0.0237
Gm14	43881449	43882435	Gmdrm	hyper	CHH	0.0136
Gm14	43935658	43936642	Gmdrm	hyper	CHH	0.0177
Gm14	43992431	43993421	Gmdrm	hyper	CHH	0.0395
Gm14	44046558	44047554	Gmdrm	hyper	CHH	0.0233
Gm14	44436948	44437931	Gmdrm	hyper	CHH	0.0149
Gm14	44558177	44559145	Gmdrm	hyper	CHH	0.0242
Gm14	44629758	44630735	Gmdrm	hyper	CHH	0.0158
Gm14	44723314	44724270	Gmdrm	hyper	CHH	0.0203
Gm14	44792134	44793129	Gmdrm	hyper	CHH	0.0153
Gm14	44850544	44851541	Gmdrm	hyper	CHH	0.0282
Gm14	44888448	44889441	Gmdrm	hyper	CHH	0.0197
Gm14	45162661	45163658	Gmdrm	hyper	CHH	0.0362
Gm14	45177707	45178505	Gmdrm	hyper	CHH	0.0135
Gm14	45213729	45214703	Gmdrm	hyper	CHH	0.0214
Gm14	45214983	45215973	Gmdrm	hyper	CHH	0.0166
Gm14	45220492	45221478	Gmdrm	hyper	CHH	0.0245
Gm14	45241577	45242564	Gmdrm	hyper	CHH	0.0238
Gm14	45280482	45281481	Gmdrm	hyper	CHH	0.017
Gm14	45315214	45316211	Gmdrm	hyper	CHH	0.0202
Gm14	45362043	45363042	Gmdrm	hyper	CHH	0.0427
Gm14	45426843	45427839	Gmdrm	hyper	CHH	0.0296
Gm14	45480829	45481818	Gmdrm	hyper	CHH	0.0851
Gm14	45483849	45484848	Gmdrm	hyper	CHH	0.0651
Gm14	45512528	45513201	Gmdrm	hyper	CHH	0.0203
Gm14	45573091	45574089	Gmdrm	hyper	CHH	0.0166
Gm14	45621302	45622299	Gmdrm	hyper	CHH	0.0274
Gm14	45751439	45752435	Gmdrm	hyper	CHH	0.0142
Gm14	45801349	45802345	Gmdrm	hyper	CHH	0.0189
Gm14	45802376	45803341	Gmdrm	hyper	CHH	0.0219
Gm14	45851437	45851823	Gmdrm	hyper	CHH	0.0325
Gm14	45894237	45895214	Gmdrm	hyper	CHH	0.0205
Gm14	45986228	45986502	Gmdrm	hyper	CHH	0.0877
Gm14	45989523	45990473	Gmdrm	hyper	CHH	0.0296
Gm14	46153122	46153141	Gmdrm	hyper	CHH	0.08
Gm14	46284061	46284289	Gmdrm	hyper	CHH	0.0686
Gm14	46313708	46313963	Gmdrm	hyper	CHH	0.0342
Gm14	46316652	46317636	Gmdrm	hyper	CHH	0.016
Gm14	46365097	46365479	Gmdrm	hyper	CHH	0.0191
Gm14	46387194	46388188	Gmdrm	hyper	CHH	0.0197
Gm14	46526827	46527814	Gmdrm	hyper	CHH	0.0171
Gm14	46528858	46529131	Gmdrm	hyper	CHH	0.0529
Gm14	46736138	46737132	Gmdrm	hyper	CHH	0.0225
Gm14	46758444	46759132	Gmdrm	hyper	CHH	0.0796
Gm14	46801797	46802492	Gmdrm	hyper	CHH	0.0204

Gm14	46807953	46808947	Gmdrm	hyper	CHH	0.0218
Gm14	46809966	46810393	Gmdrm	hyper	CHH	0.0259
Gm14	46841985	46842952	Gmdrm	hyper	CHH	0.026
Gm14	46884728	46885249	Gmdrm	hyper	CHH	0.03
Gm14	46966164	46966740	Gmdrm	hyper	CHH	0.02
Gm14	46991272	46992031	Gmdrm	hyper	CHH	0.0323
Gm14	47029918	47030325	Gmdrm	hyper	CHH	0.0174
Gm14	47052527	47053522	Gmdrm	hyper	CHH	0.0187
Gm14	47112593	47113589	Gmdrm	hyper	CHH	0.022
Gm14	47242163	47243124	Gmdrm	hyper	CHH	0.0167
Gm14	47277108	47277704	Gmdrm	hyper	CHH	0.0202
Gm14	47294813	47295546	Gmdrm	hyper	CHH	0.0326
Gm14	47318502	47319502	Gmdrm	hyper	CHH	0.0156
Gm14	47331600	47332587	Gmdrm	hyper	CHH	0.0137
Gm14	47334622	47335428	Gmdrm	hyper	CHH	0.0509
Gm14	47358417	47359407	Gmdrm	hyper	CHH	0.0117
Gm14	47417655	47418654	Gmdrm	hyper	CHH	0.017
Gm14	47435906	47436017	Gmdrm	hyper	CHH	0.2455
Gm14	47455123	47455279	Gmdrm	hyper	CHH	0.0343
Gm14	47528274	47529271	Gmdrm	hyper	CHH	0.0144
Gm14	47590600	47590831	Gmdrm	hyper	CHH	0.0328
Gm14	47596629	47597114	Gmdrm	hyper	CHH	0.0282
Gm14	47605729	47606727	Gmdrm	hyper	CHH	0.0203
Gm14	47633598	47634591	Gmdrm	hyper	CHH	0.0363
Gm14	47648332	47649108	Gmdrm	hyper	CHH	0.0162
Gm14	47660825	47661817	Gmdrm	hyper	CHH	0.0136
Gm14	47677938	47678904	Gmdrm	hyper	CHH	0.0159
Gm14	47734315	47735315	Gmdrm	hyper	CHH	0.0125
Gm14	47754381	47755378	Gmdrm	hyper	CHH	0.0186
Gm14	47772456	47773445	Gmdrm	hyper	CHH	0.0199
Gm14	47780224	47781223	Gmdrm	hyper	CHH	0.0466
Gm14	47818813	47819364	Gmdrm	hyper	CHH	0.0263
Gm14	47852184	47853153	Gmdrm	hyper	CHH	0.0115
Gm14	47888396	47889377	Gmdrm	hyper	CHH	0.0196
Gm14	47941392	47942377	Gmdrm	hyper	CHH	0.0143
Gm14	48012805	48013789	Gmdrm	hyper	CHH	0.0155
Gm14	48030427	48031401	Gmdrm	hyper	CHH	0.0192
Gm14	48125801	48126775	Gmdrm	hyper	CHH	0.014
Gm14	48128651	48129650	Gmdrm	hyper	CHH	0.0193
Gm14	48191898	48192327	Gmdrm	hyper	CHH	0.0338
Gm14	48220195	48221183	Gmdrm	hyper	CHH	0.0192
Gm14	48238912	48239901	Gmdrm	hyper	CHH	0.0202
Gm14	48255045	48256030	Gmdrm	hyper	CHH	0.0363
Gm14	48257081	48257692	Gmdrm	hyper	CHH	0.0231
Gm14	48281017	48282015	Gmdrm	hyper	CHH	0.018
Gm14	48290649	48291470	Gmdrm	hyper	CHH	0.0173

Gm14	48296468	48297430	Gmdrm	hyper	CHH	0.0386
Gm14	48317908	48318896	Gmdrm	hyper	CHH	0.0536
Gm14	48368105	48369100	Gmdrm	hyper	CHH	0.0266
Gm14	48390215	48391201	Gmdrm	hyper	CHH	0.0353
Gm14	48402353	48403341	Gmdrm	hyper	CHH	0.0123
Gm14	48407943	48408911	Gmdrm	hyper	CHH	0.0206
Gm14	48419279	48420214	Gmdrm	hyper	CHH	0.0233
Gm14	48531390	48532347	Gmdrm	hyper	CHH	0.0185
Gm14	48550929	48550984	Gmdrm	hyper	CHH	0.056
Gm14	48638312	48638703	Gmdrm	hyper	CHH	0.1672
Gm14	48708599	48709592	Gmdrm	hyper	CHH	0.0414
Gm14	48751860	48752858	Gmdrm	hyper	CHH	0.0231
Gm14	48785890	48786828	Gmdrm	hyper	CHH	0.0131
Gm14	48808729	48809639	Gmdrm	hyper	CHH	0.0124
Gm14	48821348	48822196	Gmdrm	hyper	CHH	0.0272
Gm14	48828245	48829240	Gmdrm	hyper	CHH	0.0288
Gm14	48829246	48830200	Gmdrm	hyper	CHH	0.0135
Gm14	48851360	48851877	Gmdrm	hyper	CHH	0.0293
Gm14	48868227	48869211	Gmdrm	hyper	CHH	0.021
Gm14	48923215	48923489	Gmdrm	hyper	CHH	0.042
Gm14	48972494	48972706	Gmdrm	hyper	CHH	0.03
Gm14	49000889	49001064	Gmdrm	hyper	CHH	0.0359
Gm14	49096355	49097329	Gmdrm	hyper	CHH	0.0163
Gm14	49170654	49171650	Gmdrm	hyper	CHH	0.0196
Gm14	49174726	49175716	Gmdrm	hyper	CHH	0.0144
Gm14	49255207	49255403	Gmdrm	hyper	CHH	0.0427
Gm14	49310420	49311404	Gmdrm	hyper	CHH	0.013
Gm14	49311772	49312276	Gmdrm	hyper	CHH	0.0475
Gm14	49328975	49329974	Gmdrm	hyper	CHH	0.0146
Gm14	49368987	49369300	Gmdrm	hyper	CHH	0.046
Gm14	49389655	49390637	Gmdrm	hyper	CHH	0.0306
Gm14	49393975	49394968	Gmdrm	hyper	CHH	0.0128
Gm14	49451123	49451419	Gmdrm	hyper	CHH	0.0676
Gm14	49511725	49512707	Gmdrm	hyper	CHH	0.0164
Gm14	49655561	49656547	Gmdrm	hyper	CHH	0.0224
Gm14	49673760	49674739	Gmdrm	hyper	CHH	0.0147
Gm14	49756123	49757104	Gmdrm	hyper	CHH	0.0272
Gm14	49820442	49821442	Gmdrm	hyper	CHH	0.01
Gm15	54152	55149	Gmdrm	hyper	CHH	0.0125
Gm15	55163	56142	Gmdrm	hyper	CHH	0.0118
Gm15	82288	82691	Gmdrm	hyper	CHH	0.021
Gm15	125963	126941	Gmdrm	hyper	CHH	0.0215
Gm15	158957	159940	Gmdrm	hyper	CHH	0.0125
Gm15	200422	200464	Gmdrm	hyper	CHH	0.04
Gm15	201763	202588	Gmdrm	hyper	CHH	0.0228
Gm15	286952	287942	Gmdrm	hyper	CHH	0.01

Gm15	389723	390068	Gmdrm	hyper	CHH	0.0322
Gm15	433377	434340	Gmdrm	hyper	CHH	0.0229
Gm15	448758	449741	Gmdrm	hyper	CHH	0.0312
Gm15	471640	472616	Gmdrm	hyper	CHH	0.0156
Gm15	483343	483382	Gmdrm	hyper	CHH	0.1229
Gm15	537356	538194	Gmdrm	hyper	CHH	0.0354
Gm15	589428	590372	Gmdrm	hyper	CHH	0.0372
Gm15	624213	625206	Gmdrm	hyper	CHH	0.0119
Gm15	668317	668800	Gmdrm	hyper	CHH	0.0584
Gm15	672299	672950	Gmdrm	hyper	CHH	0.0279
Gm15	684959	685671	Gmdrm	hyper	CHH	0.013
Gm15	743604	744601	Gmdrm	hyper	CHH	0.0137
Gm15	751818	752799	Gmdrm	hyper	CHH	0.0236
Gm15	768595	769595	Gmdrm	hyper	CHH	0.0209
Gm15	772678	773665	Gmdrm	hyper	CHH	0.0421
Gm15	774710	775327	Gmdrm	hyper	CHH	0.0144
Gm15	849649	850644	Gmdrm	hyper	CHH	0.0144
Gm15	876497	876750	Gmdrm	hyper	CHH	0.03
Gm15	899907	900884	Gmdrm	hyper	CHH	0.0318
Gm15	911079	912053	Gmdrm	hyper	CHH	0.0175
Gm15	967171	967361	Gmdrm	hyper	CHH	0.045
Gm15	1051506	1051725	Gmdrm	hyper	CHH	0.0442
Gm15	1064406	1065376	Gmdrm	hyper	CHH	0.0223
Gm15	1092732	1093703	Gmdrm	hyper	CHH	0.0236
Gm15	1101348	1101544	Gmdrm	hyper	CHH	0.165
Gm15	1142505	1143505	Gmdrm	hyper	CHH	0.0116
Gm15	1167085	1167314	Gmdrm	hyper	CHH	0.0686
Gm15	1186009	1186994	Gmdrm	hyper	CHH	0.0191
Gm15	1242134	1242972	Gmdrm	hyper	CHH	0.0292
Gm15	1345887	1345959	Gmdrm	hyper	CHH	0.04
Gm15	1349658	1350648	Gmdrm	hyper	CHH	0.0162
Gm15	1365862	1366862	Gmdrm	hyper	CHH	0.0156
Gm15	1402783	1403772	Gmdrm	hyper	CHH	0.0254
Gm15	1478103	1479102	Gmdrm	hyper	CHH	0.0208
Gm15	1502335	1503335	Gmdrm	hyper	CHH	0.0154
Gm15	1505271	1505537	Gmdrm	hyper	CHH	0.0325
Gm15	1609058	1610056	Gmdrm	hyper	CHH	0.0206
Gm15	1630072	1630479	Gmdrm	hyper	CHH	0.0226
Gm15	1661861	1662045	Gmdrm	hyper	CHH	0.0343
Gm15	1792192	1792256	Gmdrm	hyper	CHH	0.1071
Gm15	1851707	1852701	Gmdrm	hyper	CHH	0.0365
Gm15	1853739	1854736	Gmdrm	hyper	CHH	0.012
Gm15	1875578	1875662	Gmdrm	hyper	CHH	0.052
Gm15	1984496	1985446	Gmdrm	hyper	CHH	0.0232
Gm15	2027591	2028049	Gmdrm	hyper	CHH	0.0207
Gm15	2028159	2029148	Gmdrm	hyper	CHH	0.0225

Gm15	2054796	2055794	Gmdrm	hyper	CHH	0.0259
Gm15	2088239	2089234	Gmdrm	hyper	CHH	0.0145
Gm15	2142204	2143192	Gmdrm	hyper	CHH	0.0211
Gm15	2171337	2172061	Gmdrm	hyper	CHH	0.0268
Gm15	2175737	2176732	Gmdrm	hyper	CHH	0.0149
Gm15	2177765	2178123	Gmdrm	hyper	CHH	0.0344
Gm15	2260271	2261262	Gmdrm	hyper	CHH	0.0275
Gm15	2272919	2273919	Gmdrm	hyper	CHH	0.0227
Gm15	2274961	2275949	Gmdrm	hyper	CHH	0.0186
Gm15	2350232	2350381	Gmdrm	hyper	CHH	0.0416
Gm15	2371987	2372987	Gmdrm	hyper	CHH	0.0161
Gm15	2433889	2434870	Gmdrm	hyper	CHH	0.0175
Gm15	2470978	2471963	Gmdrm	hyper	CHH	0.0157
Gm15	2540614	2541589	Gmdrm	hyper	CHH	0.0159
Gm15	2636409	2637408	Gmdrm	hyper	CHH	0.0185
Gm15	2655742	2656699	Gmdrm	hyper	CHH	0.0134
Gm15	2667339	2668338	Gmdrm	hyper	CHH	0.018
Gm15	2686321	2687306	Gmdrm	hyper	CHH	0.0329
Gm15	2699842	2700836	Gmdrm	hyper	CHH	0.0214
Gm15	2702905	2703888	Gmdrm	hyper	CHH	0.0183
Gm15	2780204	2781197	Gmdrm	hyper	CHH	0.0115
Gm15	2790857	2791857	Gmdrm	hyper	CHH	0.0229
Gm15	2801149	2802123	Gmdrm	hyper	CHH	0.0104
Gm15	2905371	2906028	Gmdrm	hyper	CHH	0.0396
Gm15	2937468	2938448	Gmdrm	hyper	CHH	0.0168
Gm15	2944889	2945876	Gmdrm	hyper	CHH	0.0168
Gm15	2955124	2956122	Gmdrm	hyper	CHH	0.0192
Gm15	2987623	2988369	Gmdrm	hyper	CHH	0.0286
Gm15	3100242	3101214	Gmdrm	hyper	CHH	0.014
Gm15	3178010	3178998	Gmdrm	hyper	CHH	0.0413
Gm15	3230083	3231082	Gmdrm	hyper	CHH	0.0093
Gm15	3259900	3260887	Gmdrm	hyper	CHH	0.0303
Gm15	3448700	3449688	Gmdrm	hyper	CHH	0.0324
Gm15	3454840	3455821	Gmdrm	hyper	CHH	0.0236
Gm15	3470300	3471296	Gmdrm	hyper	CHH	0.0158
Gm15	3530280	3530713	Gmdrm	hyper	CHH	0.0326
Gm15	3533436	3534436	Gmdrm	hyper	CHH	0.0315
Gm15	3538796	3539276	Gmdrm	hyper	CHH	0.0284
Gm15	3573118	3573233	Gmdrm	hyper	CHH	0.07
Gm15	3580695	3581534	Gmdrm	hyper	CHH	0.0521
Gm15	3594746	3595622	Gmdrm	hyper	CHH	0.0192
Gm15	3670344	3670764	Gmdrm	hyper	CHH	0.033
Gm15	3671431	3672421	Gmdrm	hyper	CHH	0.0138
Gm15	3679575	3680566	Gmdrm	hyper	CHH	0.0202
Gm15	3681594	3682063	Gmdrm	hyper	CHH	0.0368
Gm15	3717450	3718445	Gmdrm	hyper	CHH	0.0246

Gm15	3722107	3722327	Gmdrm	hyper	CHH	0.0409
Gm15	3737423	3737684	Gmdrm	hyper	CHH	0.0527
Gm15	3741656	3742413	Gmdrm	hyper	CHH	0.0276
Gm15	3802230	3802566	Gmdrm	hyper	CHH	0.0504
Gm15	3818666	3819660	Gmdrm	hyper	CHH	0.0211
Gm15	3839057	3839271	Gmdrm	hyper	CHH	0.0483
Gm15	3869391	3870386	Gmdrm	hyper	CHH	0.0101
Gm15	3870393	3871338	Gmdrm	hyper	CHH	0.015
Gm15	3887090	3888089	Gmdrm	hyper	CHH	0.0205
Gm15	3966129	3966854	Gmdrm	hyper	CHH	0.0117
Gm15	3974851	3975342	Gmdrm	hyper	CHH	0.0345
Gm15	3992806	3993755	Gmdrm	hyper	CHH	0.0215
Gm15	4000470	4001469	Gmdrm	hyper	CHH	0.0113
Gm15	4015388	4015755	Gmdrm	hyper	CHH	0.0319
Gm15	4047526	4048506	Gmdrm	hyper	CHH	0.0205
Gm15	4114194	4115151	Gmdrm	hyper	CHH	0.0326
Gm15	4115641	4115917	Gmdrm	hyper	CHH	0.0258
Gm15	4148669	4149651	Gmdrm	hyper	CHH	0.0238
Gm15	4164317	4164952	Gmdrm	hyper	CHH	0.0345
Gm15	4175893	4176355	Gmdrm	hyper	CHH	0.0141
Gm15	4181335	4182320	Gmdrm	hyper	CHH	0.0096
Gm15	4197137	4198132	Gmdrm	hyper	CHH	0.0164
Gm15	4205912	4206435	Gmdrm	hyper	CHH	0.0218
Gm15	4220655	4221013	Gmdrm	hyper	CHH	0.0337
Gm15	4232568	4233559	Gmdrm	hyper	CHH	0.0221
Gm15	4266745	4267742	Gmdrm	hyper	CHH	0.0115
Gm15	4267767	4268763	Gmdrm	hyper	CHH	0.0307
Gm15	4277693	4278691	Gmdrm	hyper	CHH	0.038
Gm15	4297301	4298295	Gmdrm	hyper	CHH	0.019
Gm15	4319176	4320168	Gmdrm	hyper	CHH	0.0207
Gm15	4326320	4327315	Gmdrm	hyper	CHH	0.021
Gm15	4434441	4435435	Gmdrm	hyper	CHH	0.0158
Gm15	4442116	4442195	Gmdrm	hyper	CHH	0.03
Gm15	4464983	4465976	Gmdrm	hyper	CHH	0.0125
Gm15	4467020	4468019	Gmdrm	hyper	CHH	0.0139
Gm15	4471575	4471909	Gmdrm	hyper	CHH	0.04
Gm15	4529177	4529509	Gmdrm	hyper	CHH	0.0224
Gm15	4563450	4564400	Gmdrm	hyper	CHH	0.0127
Gm15	4571063	4572061	Gmdrm	hyper	CHH	0.0227
Gm15	4573083	4574079	Gmdrm	hyper	CHH	0.017
Gm15	4587486	4588479	Gmdrm	hyper	CHH	0.0216
Gm15	4588528	4589523	Gmdrm	hyper	CHH	0.0166
Gm15	4606038	4606141	Gmdrm	hyper	CHH	0.0657
Gm15	4667073	4668068	Gmdrm	hyper	CHH	0.0181
Gm15	4723299	4724276	Gmdrm	hyper	CHH	0.0124
Gm15	4815874	4816422	Gmdrm	hyper	CHH	0.0262

Gm15	4837620	4838610	Gmdrm	hyper	CHH	0.0123
Gm15	4858741	4859692	Gmdrm	hyper	CHH	0.036
Gm15	4901880	4902875	Gmdrm	hyper	CHH	0.0143
Gm15	4915172	4915757	Gmdrm	hyper	CHH	0.0326
Gm15	4933146	4934095	Gmdrm	hyper	CHH	0.0196
Gm15	4953493	4954472	Gmdrm	hyper	CHH	0.0158
Gm15	5027799	5028799	Gmdrm	hyper	CHH	0.0209
Gm15	5046426	5047420	Gmdrm	hyper	CHH	0.0138
Gm15	5078161	5079156	Gmdrm	hyper	CHH	0.0253
Gm15	5083863	5084862	Gmdrm	hyper	CHH	0.0362
Gm15	5111970	5112135	Gmdrm	hyper	CHH	0.027
Gm15	5149677	5149775	Gmdrm	hyper	CHH	0.0733
Gm15	5187129	5187160	Gmdrm	hyper	CHH	0.066
Gm15	5187343	5187450	Gmdrm	hyper	CHH	0.05
Gm15	5226643	5226738	Gmdrm	hyper	CHH	0.0443
Gm15	5261865	5262089	Gmdrm	hyper	CHH	0.02
Gm15	5270606	5271540	Gmdrm	hyper	CHH	0.0248
Gm15	5310115	5310307	Gmdrm	hyper	CHH	0.02
Gm15	5311899	5312883	Gmdrm	hyper	CHH	0.0235
Gm15	5324125	5325125	Gmdrm	hyper	CHH	0.0209
Gm15	5370822	5371803	Gmdrm	hyper	CHH	0.0288
Gm15	5440675	5441202	Gmdrm	hyper	CHH	0.0489
Gm15	5448069	5448985	Gmdrm	hyper	CHH	0.0285
Gm15	5456847	5457842	Gmdrm	hyper	CHH	0.0233
Gm15	5479251	5479354	Gmdrm	hyper	CHH	0.126
Gm15	5559388	5560334	Gmdrm	hyper	CHH	0.0161
Gm15	5613350	5614342	Gmdrm	hyper	CHH	0.0128
Gm15	5627395	5628371	Gmdrm	hyper	CHH	0.0173
Gm15	5748834	5749072	Gmdrm	hyper	CHH	0.092
Gm15	5773671	5774583	Gmdrm	hyper	CHH	0.0145
Gm15	5774674	5775272	Gmdrm	hyper	CHH	0.0352
Gm15	5782977	5783490	Gmdrm	hyper	CHH	0.0279
Gm15	5796197	5796370	Gmdrm	hyper	CHH	0.0417
Gm15	5806851	5807028	Gmdrm	hyper	CHH	0.074
Gm15	5835536	5836140	Gmdrm	hyper	CHH	0.0211
Gm15	5880794	5881764	Gmdrm	hyper	CHH	0.0351
Gm15	5882848	5883583	Gmdrm	hyper	CHH	0.0331
Gm15	5884085	5885073	Gmdrm	hyper	CHH	0.0275
Gm15	5886798	5887734	Gmdrm	hyper	CHH	0.0404
Gm15	5893519	5893877	Gmdrm	hyper	CHH	0.055
Gm15	6006774	6007727	Gmdrm	hyper	CHH	0.0168
Gm15	6017547	6017798	Gmdrm	hyper	CHH	0.0215
Gm15	6047238	6047360	Gmdrm	hyper	CHH	0.0645
Gm15	6051548	6052498	Gmdrm	hyper	CHH	0.0163
Gm15	6071612	6072548	Gmdrm	hyper	CHH	0.0229
Gm15	6093857	6094857	Gmdrm	hyper	CHH	0.0157

Gm15	6110101	6111099	Gmdrm	hyper	CHH	0.0146
Gm15	6130496	6131486	Gmdrm	hyper	CHH	0.019
Gm15	6136852	6137851	Gmdrm	hyper	CHH	0.0196
Gm15	6140889	6141887	Gmdrm	hyper	CHH	0.0321
Gm15	6153659	6154617	Gmdrm	hyper	CHH	0.0123
Gm15	6155675	6156661	Gmdrm	hyper	CHH	0.0324
Gm15	6196066	6196218	Gmdrm	hyper	CHH	0.13
Gm15	6202199	6202467	Gmdrm	hyper	CHH	0.1122
Gm15	6268576	6269279	Gmdrm	hyper	CHH	0.056
Gm15	6317703	6318594	Gmdrm	hyper	CHH	0.0274
Gm15	6345767	6346712	Gmdrm	hyper	CHH	0.0223
Gm15	6397670	6398664	Gmdrm	hyper	CHH	0.0162
Gm15	6430183	6431175	Gmdrm	hyper	CHH	0.0139
Gm15	6451705	6452631	Gmdrm	hyper	CHH	0.0133
Gm15	6565522	6566518	Gmdrm	hyper	CHH	0.01
Gm15	6566527	6567506	Gmdrm	hyper	CHH	0.0136
Gm15	6608115	6608931	Gmdrm	hyper	CHH	0.0172
Gm15	6702949	6703947	Gmdrm	hyper	CHH	0.0152
Gm15	6713195	6714169	Gmdrm	hyper	CHH	0.0125
Gm15	6746892	6747847	Gmdrm	hyper	CHH	0.0249
Gm15	6786835	6787113	Gmdrm	hyper	CHH	0.0461
Gm15	6810799	6811792	Gmdrm	hyper	CHH	0.0232
Gm15	6922078	6923077	Gmdrm	hyper	CHH	0.0107
Gm15	6936557	6936980	Gmdrm	hyper	CHH	0.1471
Gm15	7014634	7015629	Gmdrm	hyper	CHH	0.0131
Gm15	7080814	7081807	Gmdrm	hyper	CHH	0.0173
Gm15	7090679	7091125	Gmdrm	hyper	CHH	0.0305
Gm15	7135689	7136670	Gmdrm	hyper	CHH	0.0224
Gm15	7142257	7143244	Gmdrm	hyper	CHH	0.0219
Gm15	7214314	7215090	Gmdrm	hyper	CHH	0.0251
Gm15	7218085	7218374	Gmdrm	hyper	CHH	0.0305
Gm15	7242258	7243162	Gmdrm	hyper	CHH	0.0171
Gm15	7266907	7267302	Gmdrm	hyper	CHH	0.0242
Gm15	7278221	7279216	Gmdrm	hyper	CHH	0.0123
Gm15	7347104	7347428	Gmdrm	hyper	CHH	0.0305
Gm15	7429889	7430876	Gmdrm	hyper	CHH	0.0193
Gm15	7437672	7438644	Gmdrm	hyper	CHH	0.0153
Gm15	7447699	7448699	Gmdrm	hyper	CHH	0.0301
Gm15	7465897	7466883	Gmdrm	hyper	CHH	0.0174
Gm15	7468988	7469952	Gmdrm	hyper	CHH	0.0237
Gm15	7504581	7505553	Gmdrm	hyper	CHH	0.0185
Gm15	7572867	7573863	Gmdrm	hyper	CHH	0.0448
Gm15	7589448	7590448	Gmdrm	hyper	CHH	0.0172
Gm15	7652857	7653229	Gmdrm	hyper	CHH	0.0329
Gm15	7664266	7665257	Gmdrm	hyper	CHH	0.023
Gm15	7667194	7667917	Gmdrm	hyper	CHH	0.0328

Gm15	7777228	7778213	Gmdrm	hyper	CHH	0.0177
Gm15	7781307	7782305	Gmdrm	hyper	CHH	0.0132
Gm15	7798476	7799468	Gmdrm	hyper	CHH	0.0407
Gm15	7819525	7819832	Gmdrm	hyper	CHH	0.0346
Gm15	7883073	7884059	Gmdrm	hyper	CHH	0.0183
Gm15	7890165	7890930	Gmdrm	hyper	CHH	0.0265
Gm15	7956850	7957849	Gmdrm	hyper	CHH	0.0169
Gm15	7964263	7965243	Gmdrm	hyper	CHH	0.019
Gm15	7972131	7972342	Gmdrm	hyper	CHH	0.0478
Gm15	7989859	7990591	Gmdrm	hyper	CHH	0.0326
Gm15	8058120	8059120	Gmdrm	hyper	CHH	0.0176
Gm15	8113010	8114006	Gmdrm	hyper	CHH	0.0317
Gm15	8130928	8131907	Gmdrm	hyper	CHH	0.0165
Gm15	8154871	8155679	Gmdrm	hyper	CHH	0.0292
Gm15	8178951	8179950	Gmdrm	hyper	CHH	0.0508
Gm15	8219183	8219566	Gmdrm	hyper	CHH	0.0427
Gm15	8230561	8231553	Gmdrm	hyper	CHH	0.0154
Gm15	8254993	8255979	Gmdrm	hyper	CHH	0.0206
Gm15	8313440	8314432	Gmdrm	hyper	CHH	0.0231
Gm15	8320232	8320545	Gmdrm	hyper	CHH	0.0516
Gm15	8355759	8356718	Gmdrm	hyper	CHH	0.0349
Gm15	8412053	8413051	Gmdrm	hyper	CHH	0.0217
Gm15	8433146	8433312	Gmdrm	hyper	CHH	0.0623
Gm15	8448033	8448962	Gmdrm	hyper	CHH	0.0267
Gm15	8534197	8535195	Gmdrm	hyper	CHH	0.0343
Gm15	8544352	8545344	Gmdrm	hyper	CHH	0.0161
Gm15	8557204	8558204	Gmdrm	hyper	CHH	0.0277
Gm15	8559425	8560425	Gmdrm	hyper	CHH	0.0231
Gm15	8566374	8567374	Gmdrm	hyper	CHH	0.0128
Gm15	8602015	8602311	Gmdrm	hyper	CHH	0.0729
Gm15	8652339	8653250	Gmdrm	hyper	CHH	0.0114
Gm15	8659589	8660459	Gmdrm	hyper	CHH	0.0188
Gm15	8677884	8678580	Gmdrm	hyper	CHH	0.0207
Gm15	8745943	8746740	Gmdrm	hyper	CHH	0.02
Gm15	8792230	8792441	Gmdrm	hyper	CHH	0.0217
Gm15	8822354	8823348	Gmdrm	hyper	CHH	0.027
Gm15	8841094	8842079	Gmdrm	hyper	CHH	0.0232
Gm15	8875589	8876587	Gmdrm	hyper	CHH	0.015
Gm15	8880362	8881354	Gmdrm	hyper	CHH	0.0257
Gm15	8944814	8945491	Gmdrm	hyper	CHH	0.0173
Gm15	8987336	8988319	Gmdrm	hyper	CHH	0.0288
Gm15	9011694	9012565	Gmdrm	hyper	CHH	0.0254
Gm15	9069883	9070866	Gmdrm	hyper	CHH	0.0136
Gm15	9089503	9090130	Gmdrm	hyper	CHH	0.0202
Gm15	9147997	9148986	Gmdrm	hyper	CHH	0.0136
Gm15	9243081	9243143	Gmdrm	hyper	CHH	0.0867

Gm15	9278456	9279442	Gmdrm	hyper	CHH	0.021
Gm15	9291864	9292854	Gmdrm	hyper	CHH	0.0198
Gm15	9327202	9327649	Gmdrm	hyper	CHH	0.0265
Gm15	9334107	9334523	Gmdrm	hyper	CHH	0.0191
Gm15	9430029	9431018	Gmdrm	hyper	CHH	0.0126
Gm15	9447894	9448857	Gmdrm	hyper	CHH	0.0162
Gm15	9450639	9451632	Gmdrm	hyper	CHH	0.0159
Gm15	9463300	9463940	Gmdrm	hyper	CHH	0.0238
Gm15	9464957	9465940	Gmdrm	hyper	CHH	0.0221
Gm15	9528505	9529449	Gmdrm	hyper	CHH	0.0147
Gm15	9571747	9571906	Gmdrm	hyper	CHH	0.11
Gm15	9584277	9584411	Gmdrm	hyper	CHH	0.0571
Gm15	9613008	9614005	Gmdrm	hyper	CHH	0.0189
Gm15	9654678	9655648	Gmdrm	hyper	CHH	0.0221
Gm15	9661995	9662911	Gmdrm	hyper	CHH	0.0325
Gm15	9692787	9693131	Gmdrm	hyper	CHH	0.0822
Gm15	9735048	9735986	Gmdrm	hyper	CHH	0.0107
Gm15	9775653	9776653	Gmdrm	hyper	CHH	0.0172
Gm15	9865168	9866157	Gmdrm	hyper	CHH	0.0127
Gm15	9955781	9956259	Gmdrm	hyper	CHH	0.0209
Gm15	10041346	10041872	Gmdrm	hyper	CHH	0.0271
Gm15	10063708	10064150	Gmdrm	hyper	CHH	0.048
Gm15	10097435	10097654	Gmdrm	hyper	CHH	0.027
Gm15	10097779	10097951	Gmdrm	hyper	CHH	0.03
Gm15	10106451	10107448	Gmdrm	hyper	CHH	0.0203
Gm15	10109581	10110568	Gmdrm	hyper	CHH	0.0252
Gm15	10110610	10111322	Gmdrm	hyper	CHH	0.0212
Gm15	10218192	10219171	Gmdrm	hyper	CHH	0.0247
Gm15	10240283	10241279	Gmdrm	hyper	CHH	0.0129
Gm15	10251000	10251547	Gmdrm	hyper	CHH	0.0262
Gm15	10285517	10286483	Gmdrm	hyper	CHH	0.0196
Gm15	10304241	10304419	Gmdrm	hyper	CHH	0.0368
Gm15	10332571	10333534	Gmdrm	hyper	CHH	0.0318
Gm15	10433406	10434374	Gmdrm	hyper	CHH	0.0141
Gm15	10436779	10437779	Gmdrm	hyper	CHH	0.0102
Gm15	10446254	10446323	Gmdrm	hyper	CHH	0.06
Gm15	10473060	10474053	Gmdrm	hyper	CHH	0.0189
Gm15	10490638	10490916	Gmdrm	hyper	CHH	0.0846
Gm15	10581430	10582418	Gmdrm	hyper	CHH	0.0143
Gm15	10596900	10597852	Gmdrm	hyper	CHH	0.0239
Gm15	10753667	10754655	Gmdrm	hyper	CHH	0.015
Gm15	10861128	10862126	Gmdrm	hyper	CHH	0.0186
Gm15	10867196	10868188	Gmdrm	hyper	CHH	0.0156
Gm15	10868260	10869210	Gmdrm	hyper	CHH	0.0111
Gm15	10881654	10882300	Gmdrm	hyper	CHH	0.0243
Gm15	10912764	10913750	Gmdrm	hyper	CHH	0.0084

Gm15	10945549	10946535	Gmdrm	hyper	CHH	0.0255
Gm15	10956233	10957225	Gmdrm	hyper	CHH	0.0392
Gm15	11018182	11019149	Gmdrm	hyper	CHH	0.0211
Gm15	11036843	11037836	Gmdrm	hyper	CHH	0.0528
Gm15	11199432	11200420	Gmdrm	hyper	CHH	0.0239
Gm15	11226818	11227817	Gmdrm	hyper	CHH	0.065
Gm15	11269225	11270208	Gmdrm	hyper	CHH	0.0133
Gm15	11287533	11288532	Gmdrm	hyper	CHH	0.0421
Gm15	11288569	11289146	Gmdrm	hyper	CHH	0.0538
Gm15	11301498	11301679	Gmdrm	hyper	CHH	0.0475
Gm15	11306723	11307163	Gmdrm	hyper	CHH	0.0952
Gm15	11357932	11358133	Gmdrm	hyper	CHH	0.12
Gm15	11374125	11375103	Gmdrm	hyper	CHH	0.0255
Gm15	11387808	11388808	Gmdrm	hyper	CHH	0.0134
Gm15	11420449	11420960	Gmdrm	hyper	CHH	0.0596
Gm15	11422097	11423085	Gmdrm	hyper	CHH	0.0238
Gm15	11467241	11467728	Gmdrm	hyper	CHH	0.0229
Gm15	11470022	11471019	Gmdrm	hyper	CHH	0.0237
Gm15	11566606	11567379	Gmdrm	hyper	CHH	0.0176
Gm15	11600943	11601942	Gmdrm	hyper	CHH	0.0182
Gm15	11628285	11629278	Gmdrm	hyper	CHH	0.0378
Gm15	11695123	11696121	Gmdrm	hyper	CHH	0.0321
Gm15	11765509	11766509	Gmdrm	hyper	CHH	0.0334
Gm15	11781777	11782770	Gmdrm	hyper	CHH	0.0128
Gm15	11802363	11803247	Gmdrm	hyper	CHH	0.0225
Gm15	11813724	11814664	Gmdrm	hyper	CHH	0.0245
Gm15	11821397	11821964	Gmdrm	hyper	CHH	0.0326
Gm15	11855269	11855362	Gmdrm	hyper	CHH	0.065
Gm15	11856109	11857086	Gmdrm	hyper	CHH	0.0197
Gm15	11870786	11871783	Gmdrm	hyper	CHH	0.0182
Gm15	11897460	11898038	Gmdrm	hyper	CHH	0.031
Gm15	11907129	11908127	Gmdrm	hyper	CHH	0.06
Gm15	11911543	11912530	Gmdrm	hyper	CHH	0.0203
Gm15	12021535	12022523	Gmdrm	hyper	CHH	0.0506
Gm15	12035085	12035999	Gmdrm	hyper	CHH	0.0134
Gm15	12038911	12039890	Gmdrm	hyper	CHH	0.0264
Gm15	12053471	12053714	Gmdrm	hyper	CHH	0.065
Gm15	12077882	12078073	Gmdrm	hyper	CHH	0.0338
Gm15	12100098	12101074	Gmdrm	hyper	CHH	0.0235
Gm15	12101099	12102085	Gmdrm	hyper	CHH	0.017
Gm15	12132295	12133267	Gmdrm	hyper	CHH	0.02
Gm15	12217241	12218237	Gmdrm	hyper	CHH	0.0128
Gm15	12327001	12327287	Gmdrm	hyper	CHH	0.0963
Gm15	12412585	12413584	Gmdrm	hyper	CHH	0.0202
Gm15	12448453	12448712	Gmdrm	hyper	CHH	0.0982
Gm15	12456139	12457134	Gmdrm	hyper	CHH	0.023

Gm15	12565567	12566537	Gmdrm	hyper	CHH	0.0176
Gm15	12645990	12646984	Gmdrm	hyper	CHH	0.0291
Gm15	12717056	12717301	Gmdrm	hyper	CHH	0.1113
Gm15	12765351	12765774	Gmdrm	hyper	CHH	0.0275
Gm15	12769113	12770091	Gmdrm	hyper	CHH	0.0401
Gm15	12824808	12825800	Gmdrm	hyper	CHH	0.0255
Gm15	12864529	12865473	Gmdrm	hyper	CHH	0.0111
Gm15	12922483	12923453	Gmdrm	hyper	CHH	0.015
Gm15	12967396	12967522	Gmdrm	hyper	CHH	0.1433
Gm15	12979841	12980595	Gmdrm	hyper	CHH	0.0315
Gm15	13057931	13058925	Gmdrm	hyper	CHH	0.0773
Gm15	13074867	13075486	Gmdrm	hyper	CHH	0.0593
Gm15	13119129	13120125	Gmdrm	hyper	CHH	0.0144
Gm15	13166598	13167579	Gmdrm	hyper	CHH	0.0153
Gm15	13177689	13178590	Gmdrm	hyper	CHH	0.0254
Gm15	13213827	13214820	Gmdrm	hyper	CHH	0.0179
Gm15	13222778	13223769	Gmdrm	hyper	CHH	0.0195
Gm15	13238350	13239026	Gmdrm	hyper	CHH	0.0143
Gm15	13265728	13266414	Gmdrm	hyper	CHH	0.0234
Gm15	13318369	13318977	Gmdrm	hyper	CHH	0.02
Gm15	13384679	13385662	Gmdrm	hyper	CHH	0.0222
Gm15	13407868	13408345	Gmdrm	hyper	CHH	0.0166
Gm15	13438863	13439830	Gmdrm	hyper	CHH	0.0347
Gm15	13446823	13447814	Gmdrm	hyper	CHH	0.0114
Gm15	13481327	13481688	Gmdrm	hyper	CHH	0.029
Gm15	13485694	13486690	Gmdrm	hyper	CHH	0.0349
Gm15	13564626	13564820	Gmdrm	hyper	CHH	0.151
Gm15	13576192	13577176	Gmdrm	hyper	CHH	0.0137
Gm15	13583483	13584472	Gmdrm	hyper	CHH	0.0182
Gm15	13585536	13586469	Gmdrm	hyper	CHH	0.0245
Gm15	13602717	13603714	Gmdrm	hyper	CHH	0.0326
Gm15	13620212	13621168	Gmdrm	hyper	CHH	0.0146
Gm15	13664440	13665425	Gmdrm	hyper	CHH	0.021
Gm15	13973442	13974094	Gmdrm	hyper	CHH	0.0173
Gm15	13994696	13995664	Gmdrm	hyper	CHH	0.0218
Gm15	14043591	14044037	Gmdrm	hyper	CHH	0.0369
Gm15	14060617	14061550	Gmdrm	hyper	CHH	0.0142
Gm15	14065856	14066856	Gmdrm	hyper	CHH	0.02
Gm15	14071304	14072270	Gmdrm	hyper	CHH	0.0263
Gm15	14072311	14073290	Gmdrm	hyper	CHH	0.0435
Gm15	14074328	14075326	Gmdrm	hyper	CHH	0.0341
Gm15	14097860	14098385	Gmdrm	hyper	CHH	0.0306
Gm15	14141930	14142923	Gmdrm	hyper	CHH	0.0161
Gm15	14142944	14143839	Gmdrm	hyper	CHH	0.0649
Gm15	14220165	14220988	Gmdrm	hyper	CHH	0.0216
Gm15	14228730	14229724	Gmdrm	hyper	CHH	0.0454

Gm15	14257260	14258238	Gmdrm	hyper	CHH	0.032
Gm15	14268215	14269185	Gmdrm	hyper	CHH	0.0256
Gm15	14355161	14356138	Gmdrm	hyper	CHH	0.0158
Gm15	14356937	14357154	Gmdrm	hyper	CHH	0.104
Gm15	14681896	14682891	Gmdrm	hyper	CHH	0.0377
Gm15	14785063	14786063	Gmdrm	hyper	CHH	0.0222
Gm15	14828318	14828977	Gmdrm	hyper	CHH	0.015
Gm15	14829093	14829526	Gmdrm	hyper	CHH	0.0325
Gm15	14832772	14833700	Gmdrm	hyper	CHH	0.023
Gm15	14866163	14866898	Gmdrm	hyper	CHH	0.0126
Gm15	15027675	15028667	Gmdrm	hyper	CHH	0.0218
Gm15	15050426	15050618	Gmdrm	hyper	CHH	0.1043
Gm15	15074818	15075773	Gmdrm	hyper	CHH	0.0119
Gm15	15084874	15085874	Gmdrm	hyper	CHH	0.0201
Gm15	15101564	15102553	Gmdrm	hyper	CHH	0.0149
Gm15	15164332	15165327	Gmdrm	hyper	CHH	0.0639
Gm15	15165336	15166308	Gmdrm	hyper	CHH	0.0143
Gm15	15215197	15216172	Gmdrm	hyper	CHH	0.0289
Gm15	15265653	15266631	Gmdrm	hyper	CHH	0.0188
Gm15	15279317	15280279	Gmdrm	hyper	CHH	0.0442
Gm15	15451356	15452355	Gmdrm	hyper	CHH	0.0691
Gm15	15512945	15513936	Gmdrm	hyper	CHH	0.031
Gm15	15530837	15531113	Gmdrm	hyper	CHH	0.0779
Gm15	15542445	15543437	Gmdrm	hyper	CHH	0.023
Gm15	15590966	15591805	Gmdrm	hyper	CHH	0.0269
Gm15	15627130	15628107	Gmdrm	hyper	CHH	0.0215
Gm15	15658883	15659790	Gmdrm	hyper	CHH	0.0322
Gm15	15776000	15776980	Gmdrm	hyper	CHH	0.0121
Gm15	15804194	15805192	Gmdrm	hyper	CHH	0.0132
Gm15	15811256	15812231	Gmdrm	hyper	CHH	0.0134
Gm15	15948115	15948147	Gmdrm	hyper	CHH	0.066
Gm15	15960915	15961888	Gmdrm	hyper	CHH	0.0124
Gm15	15988644	15989639	Gmdrm	hyper	CHH	0.0411
Gm15	15989648	15990646	Gmdrm	hyper	CHH	0.0418
Gm15	16001866	16002324	Gmdrm	hyper	CHH	0.0252
Gm15	16328419	16328521	Gmdrm	hyper	CHH	0.075
Gm15	16369305	16369468	Gmdrm	hyper	CHH	0.098
Gm15	16506883	16506940	Gmdrm	hyper	CHH	0.1457
Gm15	16686478	16687478	Gmdrm	hyper	CHH	0.0545
Gm15	16781828	16782140	Gmdrm	hyper	CHH	0.0333
Gm15	16785283	16786075	Gmdrm	hyper	CHH	0.0147
Gm15	16798850	16799840	Gmdrm	hyper	CHH	0.0239
Gm15	16818240	16819239	Gmdrm	hyper	CHH	0.0538
Gm15	16831386	16832374	Gmdrm	hyper	CHH	0.0286
Gm15	16832387	16833382	Gmdrm	hyper	CHH	0.0258
Gm15	16962037	16963014	Gmdrm	hyper	CHH	0.0211

Gm15	16965085	16966056	Gmdrm	hyper	CHH	0.0412
Gm15	16971070	16972055	Gmdrm	hyper	CHH	0.0112
Gm15	17011919	17012913	Gmdrm	hyper	CHH	0.0471
Gm15	17170223	17171214	Gmdrm	hyper	CHH	0.0598
Gm15	17250302	17251299	Gmdrm	hyper	CHH	0.0287
Gm15	17256783	17256817	Gmdrm	hyper	CHH	0.098
Gm15	17263180	17264170	Gmdrm	hyper	CHH	0.0181
Gm15	17347445	17348445	Gmdrm	hyper	CHH	0.0497
Gm15	17429407	17430405	Gmdrm	hyper	CHH	0.0345
Gm15	17666227	17667223	Gmdrm	hyper	CHH	0.0455
Gm15	17791394	17792393	Gmdrm	hyper	CHH	0.0067
Gm15	17862989	17863986	Gmdrm	hyper	CHH	0.0868
Gm15	17957832	17958212	Gmdrm	hyper	CHH	0.0271
Gm15	18033200	18034186	Gmdrm	hyper	CHH	0.0175
Gm15	18221309	18221486	Gmdrm	hyper	CHH	0.0623
Gm15	18415204	18415937	Gmdrm	hyper	CHH	0.058
Gm15	18428034	18429032	Gmdrm	hyper	CHH	0.0756
Gm15	18458957	18459409	Gmdrm	hyper	CHH	0.1225
Gm15	18510935	18511930	Gmdrm	hyper	CHH	0.0299
Gm15	18513884	18514884	Gmdrm	hyper	CHH	0.0276
Gm15	18585263	18586073	Gmdrm	hyper	CHH	0.0224
Gm15	18637642	18638641	Gmdrm	hyper	CHH	0.0142
Gm15	18643675	18644658	Gmdrm	hyper	CHH	0.0447
Gm15	19018989	19019984	Gmdrm	hyper	CHH	0.0376
Gm15	19113735	19114732	Gmdrm	hyper	CHH	0.0487
Gm15	19127369	19128096	Gmdrm	hyper	CHH	0.0246
Gm15	19128821	19129689	Gmdrm	hyper	CHH	0.0212
Gm15	19203348	19203892	Gmdrm	hyper	CHH	0.0182
Gm15	19268243	19268431	Gmdrm	hyper	CHH	0.0366
Gm15	19357506	19358041	Gmdrm	hyper	CHH	0.023
Gm15	19398596	19399594	Gmdrm	hyper	CHH	0.041
Gm15	19450483	19451482	Gmdrm	hyper	CHH	0.0591
Gm15	19497235	19498229	Gmdrm	hyper	CHH	0.0485
Gm15	19498260	19499244	Gmdrm	hyper	CHH	0.0629
Gm15	19650031	19650310	Gmdrm	hyper	CHH	0.06
Gm15	20519841	20520821	Gmdrm	hyper	CHH	0.0398
Gm15	20552480	20553479	Gmdrm	hyper	CHH	0.0427
Gm15	20944962	20945865	Gmdrm	hyper	CHH	0.0369
Gm15	21013165	21014150	Gmdrm	hyper	CHH	0.0217
Gm15	21073588	21074588	Gmdrm	hyper	CHH	0.0394
Gm15	21220693	21221690	Gmdrm	hyper	CHH	0.0246
Gm15	21557118	21558118	Gmdrm	hyper	CHH	0.0306
Gm15	21571233	21571537	Gmdrm	hyper	CHH	0.0197
Gm15	21577110	21578097	Gmdrm	hyper	CHH	0.0284
Gm15	21636200	21637190	Gmdrm	hyper	CHH	0.0565
Gm15	21729373	21730367	Gmdrm	hyper	CHH	0.0122

Gm15	21750918	21751915	Gmdrm	hyper	CHH	0.0623
Gm15	21840707	21841704	Gmdrm	hyper	CHH	0.0284
Gm15	21845843	21846145	Gmdrm	hyper	CHH	0.0475
Gm15	22017805	22018114	Gmdrm	hyper	CHH	0.032
Gm15	22180156	22180607	Gmdrm	hyper	CHH	0.0717
Gm15	22180714	22181406	Gmdrm	hyper	CHH	0.0473
Gm15	22200029	22201019	Gmdrm	hyper	CHH	0.0289
Gm15	22265659	22266657	Gmdrm	hyper	CHH	0.03
Gm15	22312349	22312704	Gmdrm	hyper	CHH	0.2112
Gm15	22445310	22446308	Gmdrm	hyper	CHH	0.06
Gm15	22661312	22662311	Gmdrm	hyper	CHH	0.0467
Gm15	22709446	22710418	Gmdrm	hyper	CHH	0.0486
Gm15	22715481	22716140	Gmdrm	hyper	CHH	0.0839
Gm15	22821643	22822641	Gmdrm	hyper	CHH	0.0856
Gm15	22826939	22827939	Gmdrm	hyper	CHH	0.0428
Gm15	23033592	23034587	Gmdrm	hyper	CHH	0.0228
Gm15	23034596	23035594	Gmdrm	hyper	CHH	0.0237
Gm15	23038625	23039622	Gmdrm	hyper	CHH	0.0405
Gm15	23089023	23089990	Gmdrm	hyper	CHH	0.0464
Gm15	23314008	23315001	Gmdrm	hyper	CHH	0.0376
Gm15	23357968	23358950	Gmdrm	hyper	CHH	0.0328
Gm15	23419229	23419386	Gmdrm	hyper	CHH	0.1086
Gm15	23648851	23649605	Gmdrm	hyper	CHH	0.0276
Gm15	23704548	23705548	Gmdrm	hyper	CHH	0.0169
Gm15	23882947	23883891	Gmdrm	hyper	CHH	0.0247
Gm15	23956075	23956969	Gmdrm	hyper	CHH	0.0545
Gm15	24001755	24002708	Gmdrm	hyper	CHH	0.0243
Gm15	24083107	24084082	Gmdrm	hyper	CHH	0.0196
Gm15	24160305	24160503	Gmdrm	hyper	CHH	0.1171
Gm15	24232041	24232316	Gmdrm	hyper	CHH	0.1184
Gm15	24301483	24302470	Gmdrm	hyper	CHH	0.0453
Gm15	24439325	24439875	Gmdrm	hyper	CHH	0.0795
Gm15	24533612	24534607	Gmdrm	hyper	CHH	0.0272
Gm15	24581595	24581630	Gmdrm	hyper	CHH	0.1912
Gm15	24677788	24678786	Gmdrm	hyper	CHH	0.0149
Gm15	24907909	24908276	Gmdrm	hyper	CHH	0.1944
Gm15	24923021	24923096	Gmdrm	hyper	CHH	0.16
Gm15	24974376	24974555	Gmdrm	hyper	CHH	0.1417
Gm15	25040012	25041004	Gmdrm	hyper	CHH	0.059
Gm15	25086091	25087030	Gmdrm	hyper	CHH	0.0214
Gm15	25132128	25133122	Gmdrm	hyper	CHH	0.0417
Gm15	25292292	25292392	Gmdrm	hyper	CHH	0.0475
Gm15	25351504	25352479	Gmdrm	hyper	CHH	0.0661
Gm15	25500745	25501731	Gmdrm	hyper	CHH	0.0261
Gm15	25580264	25581030	Gmdrm	hyper	CHH	0.012
Gm15	25760777	25761437	Gmdrm	hyper	CHH	0.0939

Gm15	25891825	25891890	Gmdrm	hyper	CHH	0.18
Gm15	25906760	25907757	Gmdrm	hyper	CHH	0.0423
Gm15	25957245	25958238	Gmdrm	hyper	CHH	0.0203
Gm15	25966192	25966649	Gmdrm	hyper	CHH	0.0236
Gm15	26213430	26213783	Gmdrm	hyper	CHH	0.0913
Gm15	26221876	26222845	Gmdrm	hyper	CHH	0.0385
Gm15	26270386	26271386	Gmdrm	hyper	CHH	0.0541
Gm15	26271399	26272399	Gmdrm	hyper	CHH	0.0382
Gm15	26575947	26576918	Gmdrm	hyper	CHH	0.0269
Gm15	26578821	26579809	Gmdrm	hyper	CHH	0.0194
Gm15	26581363	26582353	Gmdrm	hyper	CHH	0.0239
Gm15	26582376	26582407	Gmdrm	hyper	CHH	0.18
Gm15	26608772	26608927	Gmdrm	hyper	CHH	0.195
Gm15	26831807	26832799	Gmdrm	hyper	CHH	0.0546
Gm15	26840056	26841024	Gmdrm	hyper	CHH	0.0377
Gm15	27216381	27216538	Gmdrm	hyper	CHH	0.138
Gm15	27558311	27559307	Gmdrm	hyper	CHH	0.0633
Gm15	27890967	27891450	Gmdrm	hyper	CHH	0.0887
Gm15	28105343	28106281	Gmdrm	hyper	CHH	0.0412
Gm15	28115436	28116146	Gmdrm	hyper	CHH	0.0155
Gm15	28117825	28118804	Gmdrm	hyper	CHH	0.0351
Gm15	28138863	28138996	Gmdrm	hyper	CHH	0.2183
Gm15	28423741	28424341	Gmdrm	hyper	CHH	0.0921
Gm15	28547553	28548537	Gmdrm	hyper	CHH	0.0223
Gm15	28654900	28655898	Gmdrm	hyper	CHH	0.0776
Gm15	28761927	28762885	Gmdrm	hyper	CHH	0.0188
Gm15	29009651	29010641	Gmdrm	hyper	CHH	0.0453
Gm15	29067466	29068465	Gmdrm	hyper	CHH	0.0665
Gm15	29401019	29401195	Gmdrm	hyper	CHH	0.0906
Gm15	30216237	30216334	Gmdrm	hyper	CHH	0.122
Gm15	30588636	30589621	Gmdrm	hyper	CHH	0.0226
Gm15	30646205	30646657	Gmdrm	hyper	CHH	0.091
Gm15	30877174	30877764	Gmdrm	hyper	CHH	0.0178
Gm15	30967834	30968776	Gmdrm	hyper	CHH	0.0724
Gm15	31060429	31060566	Gmdrm	hyper	CHH	0.18
Gm15	31142812	31143762	Gmdrm	hyper	CHH	0.0656
Gm15	31441969	31442968	Gmdrm	hyper	CHH	0.0604
Gm15	31522761	31523747	Gmdrm	hyper	CHH	0.0645
Gm15	31559041	31559888	Gmdrm	hyper	CHH	0.0196
Gm15	31854411	31855241	Gmdrm	hyper	CHH	0.0304
Gm15	32130547	32131545	Gmdrm	hyper	CHH	0.0354
Gm15	32170339	32171337	Gmdrm	hyper	CHH	0.0365
Gm15	32293583	32294581	Gmdrm	hyper	CHH	0.04
Gm15	32408780	32409034	Gmdrm	hyper	CHH	0.125
Gm15	33233918	33234160	Gmdrm	hyper	CHH	0.1418
Gm15	33251466	33251517	Gmdrm	hyper	CHH	0.322

Gm15	33268923	33269444	Gmdrm	hyper	CHH	0.1155
Gm15	33525916	33526885	Gmdrm	hyper	CHH	0.0842
Gm15	33690999	33691997	Gmdrm	hyper	CHH	0.059
Gm15	33813061	33814036	Gmdrm	hyper	CHH	0.0216
Gm15	33857766	33858765	Gmdrm	hyper	CHH	0.0376
Gm15	33921944	33922941	Gmdrm	hyper	CHH	0.0516
Gm15	34128563	34129402	Gmdrm	hyper	CHH	0.0884
Gm15	34132198	34132519	Gmdrm	hyper	CHH	0.1323
Gm15	34448558	34449548	Gmdrm	hyper	CHH	0.0148
Gm15	34528893	34529301	Gmdrm	hyper	CHH	0.0575
Gm15	34800506	34800901	Gmdrm	hyper	CHH	0.141
Gm15	34858698	34858777	Gmdrm	hyper	CHH	0.1525
Gm15	34994511	34995481	Gmdrm	hyper	CHH	0.0249
Gm15	35071099	35071188	Gmdrm	hyper	CHH	0.3167
Gm15	35235072	35235954	Gmdrm	hyper	CHH	0.0583
Gm15	35281697	35281735	Gmdrm	hyper	CHH	0.2
Gm15	35924536	35925527	Gmdrm	hyper	CHH	0.012
Gm15	36074162	36075159	Gmdrm	hyper	CHH	0.0549
Gm15	36095778	36096776	Gmdrm	hyper	CHH	0.0518
Gm15	36317239	36318233	Gmdrm	hyper	CHH	0.0302
Gm15	36377933	36378928	Gmdrm	hyper	CHH	0.0725
Gm15	36544707	36545707	Gmdrm	hyper	CHH	0.0615
Gm15	36584643	36585643	Gmdrm	hyper	CHH	0.0444
Gm15	36613751	36614671	Gmdrm	hyper	CHH	0.0535
Gm15	36733910	36734907	Gmdrm	hyper	CHH	0.0409
Gm15	36824779	36825726	Gmdrm	hyper	CHH	0.034
Gm15	36957578	36958570	Gmdrm	hyper	CHH	0.071
Gm15	36968584	36968666	Gmdrm	hyper	CHH	0.1528
Gm15	37077361	37078354	Gmdrm	hyper	CHH	0.038
Gm15	37114347	37115347	Gmdrm	hyper	CHH	0.0586
Gm15	37148029	37149029	Gmdrm	hyper	CHH	0.061
Gm15	37248930	37249704	Gmdrm	hyper	CHH	0.0392
Gm15	37321263	37322239	Gmdrm	hyper	CHH	0.0355
Gm15	37420634	37421632	Gmdrm	hyper	CHH	0.0578
Gm15	37421640	37422630	Gmdrm	hyper	CHH	0.0771
Gm15	37430914	37431906	Gmdrm	hyper	CHH	0.0248
Gm15	37450839	37451326	Gmdrm	hyper	CHH	0.1018
Gm15	37495020	37495162	Gmdrm	hyper	CHH	0.2394
Gm15	37604236	37605236	Gmdrm	hyper	CHH	0.0484
Gm15	37822286	37822408	Gmdrm	hyper	CHH	0.1789
Gm15	38001726	38002036	Gmdrm	hyper	CHH	0.068
Gm15	38019976	38020032	Gmdrm	hyper	CHH	0.058
Gm15	38364282	38364697	Gmdrm	hyper	CHH	0.1282
Gm15	38504247	38505234	Gmdrm	hyper	CHH	0.0143
Gm15	38644198	38644662	Gmdrm	hyper	CHH	0.0854
Gm15	38706291	38706390	Gmdrm	hyper	CHH	0.084

Gm15	38762089	38762199	Gmdrm	hyper	CHH	0.2333
Gm15	38869134	38869255	Gmdrm	hyper	CHH	0.1262
Gm15	38872119	38872192	Gmdrm	hyper	CHH	0.1266
Gm15	39097721	39098719	Gmdrm	hyper	CHH	0.024
Gm15	39264204	39264257	Gmdrm	hyper	CHH	0.1544
Gm15	39610433	39611423	Gmdrm	hyper	CHH	0.0528
Gm15	39686519	39686645	Gmdrm	hyper	CHH	0.145
Gm15	39717809	39718088	Gmdrm	hyper	CHH	0.08
Gm15	39732454	39732697	Gmdrm	hyper	CHH	0.12
Gm15	39760806	39761798	Gmdrm	hyper	CHH	0.0434
Gm15	39763289	39763498	Gmdrm	hyper	CHH	0.0669
Gm15	39771965	39772022	Gmdrm	hyper	CHH	0.224
Gm15	39792126	39792834	Gmdrm	hyper	CHH	0.0419
Gm15	39998262	39998338	Gmdrm	hyper	CHH	0.1428
Gm15	40085344	40085804	Gmdrm	hyper	CHH	0.1506
Gm15	40097938	40098482	Gmdrm	hyper	CHH	0.0669
Gm15	40147625	40147820	Gmdrm	hyper	CHH	0.1371
Gm15	40187310	40188014	Gmdrm	hyper	CHH	0.0469
Gm15	40195534	40196229	Gmdrm	hyper	CHH	0.0605
Gm15	40203536	40203559	Gmdrm	hyper	CHH	0.2484
Gm15	40226925	40227898	Gmdrm	hyper	CHH	0.062
Gm15	40238053	40239039	Gmdrm	hyper	CHH	0.0609
Gm15	40239055	40240054	Gmdrm	hyper	CHH	0.0711
Gm15	40240057	40241010	Gmdrm	hyper	CHH	0.0675
Gm15	40241058	40242054	Gmdrm	hyper	CHH	0.0522
Gm15	40242062	40243044	Gmdrm	hyper	CHH	0.0369
Gm15	40244092	40245088	Gmdrm	hyper	CHH	0.0802
Gm15	40245093	40245929	Gmdrm	hyper	CHH	0.0713
Gm15	40246054	40246421	Gmdrm	hyper	CHH	0.0962
Gm15	40250330	40251325	Gmdrm	hyper	CHH	0.0751
Gm15	40260521	40261519	Gmdrm	hyper	CHH	0.0434
Gm15	40278015	40279013	Gmdrm	hyper	CHH	0.0371
Gm15	40281024	40282023	Gmdrm	hyper	CHH	0.0378
Gm15	40307730	40307876	Gmdrm	hyper	CHH	0.2063
Gm15	40690388	40690521	Gmdrm	hyper	CHH	0.09
Gm15	40710497	40711475	Gmdrm	hyper	CHH	0.0366
Gm15	40728489	40729486	Gmdrm	hyper	CHH	0.0415
Gm15	41139062	41140052	Gmdrm	hyper	CHH	0.0151
Gm15	41148424	41149411	Gmdrm	hyper	CHH	0.0279
Gm15	41217172	41217393	Gmdrm	hyper	CHH	0.0845
Gm15	41251471	41251928	Gmdrm	hyper	CHH	0.1014
Gm15	41276354	41277354	Gmdrm	hyper	CHH	0.0275
Gm15	41336174	41337172	Gmdrm	hyper	CHH	0.0161
Gm15	41413284	41413956	Gmdrm	hyper	CHH	0.0901
Gm15	41530264	41530672	Gmdrm	hyper	CHH	0.0196
Gm15	41607050	41607582	Gmdrm	hyper	CHH	0.0399

Gm15	41762720	41763476	Gmdrm	hyper	CHH	0.0722
Gm15	41788967	41789967	Gmdrm	hyper	CHH	0.038
Gm15	41928806	41929778	Gmdrm	hyper	CHH	0.0405
Gm15	41991317	41992315	Gmdrm	hyper	CHH	0.0767
Gm15	42124118	42124366	Gmdrm	hyper	CHH	0.0375
Gm15	42302218	42303216	Gmdrm	hyper	CHH	0.0507
Gm15	42410935	42411922	Gmdrm	hyper	CHH	0.0256
Gm15	42455376	42456345	Gmdrm	hyper	CHH	0.023
Gm15	42621974	42622962	Gmdrm	hyper	CHH	0.0334
Gm15	42645288	42646288	Gmdrm	hyper	CHH	0.0448
Gm15	42799267	42800133	Gmdrm	hyper	CHH	0.0266
Gm15	42815921	42816921	Gmdrm	hyper	CHH	0.0376
Gm15	42959333	42960327	Gmdrm	hyper	CHH	0.0356
Gm15	43097594	43097645	Gmdrm	hyper	CHH	0.3334
Gm15	43219742	43220733	Gmdrm	hyper	CHH	0.0586
Gm15	43239881	43240877	Gmdrm	hyper	CHH	0.0417
Gm15	43470469	43471467	Gmdrm	hyper	CHH	0.0602
Gm15	43669839	43670830	Gmdrm	hyper	CHH	0.0489
Gm15	43712357	43713345	Gmdrm	hyper	CHH	0.0541
Gm15	43872431	43872591	Gmdrm	hyper	CHH	0.0464
Gm15	44136067	44137067	Gmdrm	hyper	CHH	0.0396
Gm15	44158088	44158188	Gmdrm	hyper	CHH	0.0325
Gm15	44159386	44160381	Gmdrm	hyper	CHH	0.0467
Gm15	44161776	44162660	Gmdrm	hyper	CHH	0.0766
Gm15	44170815	44171802	Gmdrm	hyper	CHH	0.0566
Gm15	44198937	44199099	Gmdrm	hyper	CHH	0.0857
Gm15	44238411	44239322	Gmdrm	hyper	CHH	0.0158
Gm15	44270870	44271475	Gmdrm	hyper	CHH	0.0302
Gm15	44347566	44348539	Gmdrm	hyper	CHH	0.0185
Gm15	44349518	44350516	Gmdrm	hyper	CHH	0.0166
Gm15	44479460	44480453	Gmdrm	hyper	CHH	0.016
Gm15	44499181	44500158	Gmdrm	hyper	CHH	0.02
Gm15	44500186	44501173	Gmdrm	hyper	CHH	0.0182
Gm15	44554630	44554977	Gmdrm	hyper	CHH	0.0484
Gm15	44618088	44618675	Gmdrm	hyper	CHH	0.0582
Gm15	44747924	44748912	Gmdrm	hyper	CHH	0.0161
Gm15	44781376	44781664	Gmdrm	hyper	CHH	0.0219
Gm15	44827057	44828046	Gmdrm	hyper	CHH	0.023
Gm15	44909154	44909315	Gmdrm	hyper	CHH	0.169
Gm15	44932970	44933939	Gmdrm	hyper	CHH	0.0227
Gm15	44944265	44945263	Gmdrm	hyper	CHH	0.0128
Gm15	45002618	45003616	Gmdrm	hyper	CHH	0.0382
Gm15	45037950	45038476	Gmdrm	hyper	CHH	0.1135
Gm15	45038793	45039787	Gmdrm	hyper	CHH	0.1048
Gm15	45039802	45040799	Gmdrm	hyper	CHH	0.08
Gm15	45040805	45041805	Gmdrm	hyper	CHH	0.0921

Gm15	45041828	45042827	Gmdrm	hyper	CHH	0.0844
Gm15	45042829	45043807	Gmdrm	hyper	CHH	0.0964
Gm15	45043835	45044835	Gmdrm	hyper	CHH	0.0893
Gm15	45164835	45165834	Gmdrm	hyper	CHH	0.0364
Gm15	45184166	45184508	Gmdrm	hyper	CHH	0.0162
Gm15	45326667	45327536	Gmdrm	hyper	CHH	0.0205
Gm15	45340629	45341626	Gmdrm	hyper	CHH	0.0484
Gm15	45444415	45445414	Gmdrm	hyper	CHH	0.0389
Gm15	45532368	45532924	Gmdrm	hyper	CHH	0.0364
Gm15	45684622	45685617	Gmdrm	hyper	CHH	0.0456
Gm15	45697766	45698737	Gmdrm	hyper	CHH	0.0207
Gm15	45735287	45736238	Gmdrm	hyper	CHH	0.022
Gm15	45955149	45956145	Gmdrm	hyper	CHH	0.0042
Gm15	47650196	47650449	Gmdrm	hyper	CHH	0.0281
Gm15	47750983	47751271	Gmdrm	hyper	CHH	0.084
Gm15	47780348	47781343	Gmdrm	hyper	CHH	0.0539
Gm15	47876216	47877179	Gmdrm	hyper	CHH	0.0172
Gm15	47912849	47913830	Gmdrm	hyper	CHH	0.0413
Gm15	48140574	48141570	Gmdrm	hyper	CHH	0.0236
Gm15	48163251	48164246	Gmdrm	hyper	CHH	0.0378
Gm15	48418436	48419423	Gmdrm	hyper	CHH	0.0202
Gm15	48454149	48455040	Gmdrm	hyper	CHH	0.0277
Gm15	48539094	48540089	Gmdrm	hyper	CHH	0.0491
Gm15	48642446	48643316	Gmdrm	hyper	CHH	0.0426
Gm15	48721832	48722827	Gmdrm	hyper	CHH	0.0122
Gm15	48778004	48779003	Gmdrm	hyper	CHH	0.0427
Gm15	48793495	48794494	Gmdrm	hyper	CHH	0.0185
Gm15	48811938	48812322	Gmdrm	hyper	CHH	0.0941
Gm15	48865086	48865416	Gmdrm	hyper	CHH	0.0243
Gm15	48870800	48871752	Gmdrm	hyper	CHH	0.0264
Gm15	48881131	48881536	Gmdrm	hyper	CHH	0.0441
Gm15	48886514	48887499	Gmdrm	hyper	CHH	0.0145
Gm15	48929253	48930202	Gmdrm	hyper	CHH	0.0191
Gm15	49103920	49104917	Gmdrm	hyper	CHH	0.039
Gm15	49201813	49202800	Gmdrm	hyper	CHH	0.0508
Gm15	49213975	49214974	Gmdrm	hyper	CHH	0.0721
Gm15	49214981	49215976	Gmdrm	hyper	CHH	0.1027
Gm15	49215991	49216991	Gmdrm	hyper	CHH	0.0817
Gm15	49217015	49217992	Gmdrm	hyper	CHH	0.0555
Gm15	49225678	49226676	Gmdrm	hyper	CHH	0.0369
Gm15	49244496	49245475	Gmdrm	hyper	CHH	0.019
Gm15	49269150	49270150	Gmdrm	hyper	CHH	0.0597
Gm15	49365918	49366911	Gmdrm	hyper	CHH	0.0377
Gm15	49588632	49589625	Gmdrm	hyper	CHH	0.0366
Gm15	49770775	49771769	Gmdrm	hyper	CHH	0.0168
Gm15	49954573	49955539	Gmdrm	hyper	CHH	0.0211

Gm15	50070735	50071717	Gmdrm	hyper	CHH	0.0128
Gm15	50089454	50090451	Gmdrm	hyper	CHH	0.0406
Gm15	50108193	50109193	Gmdrm	hyper	CHH	0.0134
Gm15	50151522	50152510	Gmdrm	hyper	CHH	0.0303
Gm15	50201186	50202085	Gmdrm	hyper	CHH	0.0107
Gm15	50274931	50275900	Gmdrm	hyper	CHH	0.0159
Gm15	50413257	50414224	Gmdrm	hyper	CHH	0.0231
Gm15	50415721	50416707	Gmdrm	hyper	CHH	0.0261
Gm15	50422185	50423163	Gmdrm	hyper	CHH	0.0278
Gm15	50461220	50462210	Gmdrm	hyper	CHH	0.0176
Gm15	50506060	50507048	Gmdrm	hyper	CHH	0.0267
Gm15	50603130	50604128	Gmdrm	hyper	CHH	0.0158
Gm15	50610483	50611469	Gmdrm	hyper	CHH	0.0237
Gm15	50614587	50615577	Gmdrm	hyper	CHH	0.046
Gm15	50619844	50620821	Gmdrm	hyper	CHH	0.0405
Gm15	50674439	50675438	Gmdrm	hyper	CHH	0.0656
Gm15	50690755	50691755	Gmdrm	hyper	CHH	0.0606
Gm15	50691760	50692752	Gmdrm	hyper	CHH	0.0645
Gm15	50692767	50693756	Gmdrm	hyper	CHH	0.1081
Gm15	50700204	50701204	Gmdrm	hyper	CHH	0.0778
Gm15	50701209	50702204	Gmdrm	hyper	CHH	0.0962
Gm15	50728438	50729422	Gmdrm	hyper	CHH	0.0245
Gm15	50768689	50768877	Gmdrm	hyper	CHH	0.1034
Gm15	50769027	50770012	Gmdrm	hyper	CHH	0.0608
Gm15	50838609	50839546	Gmdrm	hyper	CHH	0.018
Gm15	50907803	50908755	Gmdrm	hyper	CHH	0.0213
Gm15	50917270	50917702	Gmdrm	hyper	CHH	0.0364
Gm15	51034451	51035280	Gmdrm	hyper	CHH	0.0118
Gm15	51067426	51068419	Gmdrm	hyper	CHH	0.0178
Gm15	51070121	51071111	Gmdrm	hyper	CHH	0.0124
Gm15	51089118	51089791	Gmdrm	hyper	CHH	0.0164
Gm15	51208201	51209177	Gmdrm	hyper	CHH	0.0408
Gm15	51250625	51251618	Gmdrm	hyper	CHH	0.0216
Gm15	51258457	51259451	Gmdrm	hyper	CHH	0.0952
Gm15	51273041	51273585	Gmdrm	hyper	CHH	0.0159
Gm15	51320888	51321884	Gmdrm	hyper	CHH	0.0193
Gm15	51440846	51441548	Gmdrm	hyper	CHH	0.0298
Gm15	51445361	51446343	Gmdrm	hyper	CHH	0.0687
Gm15	51482961	51483957	Gmdrm	hyper	CHH	0.0133
Gm15	51518966	51519929	Gmdrm	hyper	CHH	0.0192
Gm15	51557704	51558696	Gmdrm	hyper	CHH	0.0453
Gm15	51601417	51602412	Gmdrm	hyper	CHH	0.0462
Gm15	51632341	51633341	Gmdrm	hyper	CHH	0.0364
Gm15	51633342	51634337	Gmdrm	hyper	CHH	0.0138
Gm15	51650666	51650901	Gmdrm	hyper	CHH	0.075
Gm15	51667057	51668050	Gmdrm	hyper	CHH	0.0254

Gm15	51727216	51727264	Gmdrm	hyper	CHH	0.042
Gm15	51753227	51754217	Gmdrm	hyper	CHH	0.0119
Gm15	51756308	51757307	Gmdrm	hyper	CHH	0.0121
Gm15	51886555	51887549	Gmdrm	hyper	CHH	0.024
Gm15	51887591	51888341	Gmdrm	hyper	CHH	0.0133
Gm15	51921940	51922940	Gmdrm	hyper	CHH	0.0102
Gm15	51926633	51927177	Gmdrm	hyper	CHH	0.0739
Gm15	52144481	52145452	Gmdrm	hyper	CHH	0.0212
Gm15	52168747	52169746	Gmdrm	hyper	CHH	0.0291
Gm15	52179912	52180911	Gmdrm	hyper	CHH	0.0177
Gm15	52214574	52215570	Gmdrm	hyper	CHH	0.0273
Gm15	52230445	52231436	Gmdrm	hyper	CHH	0.0375
Gm15	52243475	52244441	Gmdrm	hyper	CHH	0.0149
Gm15	52250685	52251681	Gmdrm	hyper	CHH	0.0153
Gm15	52258275	52259248	Gmdrm	hyper	CHH	0.0263
Gm15	52265974	52266337	Gmdrm	hyper	CHH	0.0316
Gm15	52322361	52323359	Gmdrm	hyper	CHH	0.0132
Gm15	52345750	52346726	Gmdrm	hyper	CHH	0.0205
Gm15	52358573	52359430	Gmdrm	hyper	CHH	0.0233
Gm15	52373998	52374970	Gmdrm	hyper	CHH	0.0105
Gm15	52484818	52484903	Gmdrm	hyper	CHH	0.0517
Gm15	52514568	52515555	Gmdrm	hyper	CHH	0.0115
Gm15	52548939	52549089	Gmdrm	hyper	CHH	0.0543
Gm15	52753178	52754162	Gmdrm	hyper	CHH	0.0269
Gm15	52836431	52837398	Gmdrm	hyper	CHH	0.0138
Gm15	52853075	52853467	Gmdrm	hyper	CHH	0.0992
Gm15	52862102	52863055	Gmdrm	hyper	CHH	0.0213
Gm15	52895132	52896121	Gmdrm	hyper	CHH	0.0185
Gm15	52918305	52919299	Gmdrm	hyper	CHH	0.0198
Gm15	53029720	53030713	Gmdrm	hyper	CHH	0.0463
Gm15	53190716	53191714	Gmdrm	hyper	CHH	0.0214
Gm15	53218142	53219065	Gmdrm	hyper	CHH	0.0248
Gm15	53250079	53251047	Gmdrm	hyper	CHH	0.0334
Gm15	53253127	53254102	Gmdrm	hyper	CHH	0.0115
Gm15	53254149	53254706	Gmdrm	hyper	CHH	0.0205
Gm15	53267790	53268787	Gmdrm	hyper	CHH	0.0404
Gm15	53447048	53447482	Gmdrm	hyper	CHH	0.0247
Gm15	53447587	53448575	Gmdrm	hyper	CHH	0.0477
Gm15	53486287	53486858	Gmdrm	hyper	CHH	0.0132
Gm15	53536841	53537812	Gmdrm	hyper	CHH	0.0265
Gm15	53716944	53717463	Gmdrm	hyper	CHH	0.0457
Gm16	22409	22747	Gmdrm	hyper	CHH	0.0663
Gm16	26257	26858	Gmdrm	hyper	CHH	0.023
Gm16	59088	59696	Gmdrm	hyper	CHH	0.0256
Gm16	78938	79836	Gmdrm	hyper	CHH	0.0158
Gm16	97682	98682	Gmdrm	hyper	CHH	0.0125

Gm16	126971	127905	Gmdrm	hyper	CHH	0.0177
Gm16	444995	445994	Gmdrm	hyper	CHH	0.0166
Gm16	491045	492019	Gmdrm	hyper	CHH	0.0192
Gm16	526893	527574	Gmdrm	hyper	CHH	0.0237
Gm16	534747	535707	Gmdrm	hyper	CHH	0.0362
Gm16	537195	538194	Gmdrm	hyper	CHH	0.0261
Gm16	583870	583957	Gmdrm	hyper	CHH	0.0699
Gm16	598406	599272	Gmdrm	hyper	CHH	0.016
Gm16	657326	657681	Gmdrm	hyper	CHH	0.0355
Gm16	757623	758617	Gmdrm	hyper	CHH	0.0162
Gm16	763820	764781	Gmdrm	hyper	CHH	0.0274
Gm16	770001	770998	Gmdrm	hyper	CHH	0.0231
Gm16	774014	774194	Gmdrm	hyper	CHH	0.1174
Gm16	775386	776070	Gmdrm	hyper	CHH	0.0315
Gm16	805870	806869	Gmdrm	hyper	CHH	0.0287
Gm16	806873	807143	Gmdrm	hyper	CHH	0.0581
Gm16	842077	842230	Gmdrm	hyper	CHH	0.04
Gm16	869428	870049	Gmdrm	hyper	CHH	0.0196
Gm16	897409	898388	Gmdrm	hyper	CHH	0.0127
Gm16	900432	901334	Gmdrm	hyper	CHH	0.0253
Gm16	980595	981595	Gmdrm	hyper	CHH	0.0136
Gm16	1034031	1034116	Gmdrm	hyper	CHH	0.0683
Gm16	1064823	1065802	Gmdrm	hyper	CHH	0.0212
Gm16	1076216	1077213	Gmdrm	hyper	CHH	0.0142
Gm16	1083516	1084021	Gmdrm	hyper	CHH	0.0364
Gm16	1090241	1090427	Gmdrm	hyper	CHH	0.047
Gm16	1111959	1112015	Gmdrm	hyper	CHH	0.048
Gm16	1155345	1156322	Gmdrm	hyper	CHH	0.0136
Gm16	1200319	1201305	Gmdrm	hyper	CHH	0.0246
Gm16	1220811	1221183	Gmdrm	hyper	CHH	0.065
Gm16	1259581	1260573	Gmdrm	hyper	CHH	0.0148
Gm16	1293179	1294168	Gmdrm	hyper	CHH	0.016
Gm16	1297912	1298907	Gmdrm	hyper	CHH	0.0293
Gm16	1308493	1309476	Gmdrm	hyper	CHH	0.0224
Gm16	1324623	1325468	Gmdrm	hyper	CHH	0.0198
Gm16	1343816	1344813	Gmdrm	hyper	CHH	0.0295
Gm16	1441325	1442311	Gmdrm	hyper	CHH	0.0154
Gm16	1506889	1507856	Gmdrm	hyper	CHH	0.0124
Gm16	1526897	1527389	Gmdrm	hyper	CHH	0.034
Gm16	1547000	1547994	Gmdrm	hyper	CHH	0.0193
Gm16	1564973	1565258	Gmdrm	hyper	CHH	0.0594
Gm16	1570159	1571157	Gmdrm	hyper	CHH	0.0408
Gm16	1693590	1694580	Gmdrm	hyper	CHH	0.015
Gm16	1825180	1826139	Gmdrm	hyper	CHH	0.0122
Gm16	1924522	1925517	Gmdrm	hyper	CHH	0.0143
Gm16	1968257	1969225	Gmdrm	hyper	CHH	0.0157

Gm16	1969266	1970236	Gmdrm	hyper	CHH	0.011
Gm16	1994888	1995134	Gmdrm	hyper	CHH	0.0282
Gm16	2000271	2001204	Gmdrm	hyper	CHH	0.0318
Gm16	2007234	2008224	Gmdrm	hyper	CHH	0.019
Gm16	2014905	2015890	Gmdrm	hyper	CHH	0.0153
Gm16	2049533	2050517	Gmdrm	hyper	CHH	0.0113
Gm16	2076225	2076787	Gmdrm	hyper	CHH	0.017
Gm16	2081542	2082296	Gmdrm	hyper	CHH	0.0254
Gm16	2099384	2100353	Gmdrm	hyper	CHH	0.0109
Gm16	2212944	2213943	Gmdrm	hyper	CHH	0.0253
Gm16	2229264	2230252	Gmdrm	hyper	CHH	0.01
Gm16	2234469	2235462	Gmdrm	hyper	CHH	0.0166
Gm16	2287055	2288020	Gmdrm	hyper	CHH	0.0268
Gm16	2302258	2303246	Gmdrm	hyper	CHH	0.0131
Gm16	2312524	2312582	Gmdrm	hyper	CHH	0.114
Gm16	2316872	2317051	Gmdrm	hyper	CHH	0.026
Gm16	2329460	2330445	Gmdrm	hyper	CHH	0.0162
Gm16	2373659	2374573	Gmdrm	hyper	CHH	0.0325
Gm16	2375677	2376259	Gmdrm	hyper	CHH	0.0149
Gm16	2393465	2394463	Gmdrm	hyper	CHH	0.035
Gm16	2424479	2424662	Gmdrm	hyper	CHH	0.086
Gm16	2442914	2443896	Gmdrm	hyper	CHH	0.0104
Gm16	2466013	2466419	Gmdrm	hyper	CHH	0.0334
Gm16	2547365	2548357	Gmdrm	hyper	CHH	0.0109
Gm16	2548968	2549065	Gmdrm	hyper	CHH	0.03
Gm16	2560373	2561309	Gmdrm	hyper	CHH	0.0276
Gm16	2600096	2601094	Gmdrm	hyper	CHH	0.0098
Gm16	2659132	2660051	Gmdrm	hyper	CHH	0.0214
Gm16	2701867	2702826	Gmdrm	hyper	CHH	0.0322
Gm16	2784559	2785357	Gmdrm	hyper	CHH	0.017
Gm16	2851107	2852099	Gmdrm	hyper	CHH	0.016
Gm16	2963257	2964242	Gmdrm	hyper	CHH	0.0642
Gm16	2991276	2991679	Gmdrm	hyper	CHH	0.0527
Gm16	3014023	3014604	Gmdrm	hyper	CHH	0.0244
Gm16	3016779	3017761	Gmdrm	hyper	CHH	0.0238
Gm16	3027666	3028654	Gmdrm	hyper	CHH	0.0231
Gm16	3061573	3062573	Gmdrm	hyper	CHH	0.0209
Gm16	3067412	3068399	Gmdrm	hyper	CHH	0.029
Gm16	3174939	3175923	Gmdrm	hyper	CHH	0.0132
Gm16	3252309	3253265	Gmdrm	hyper	CHH	0.0174
Gm16	3329786	3330783	Gmdrm	hyper	CHH	0.0136
Gm16	3358745	3359714	Gmdrm	hyper	CHH	0.0166
Gm16	3368639	3369601	Gmdrm	hyper	CHH	0.0257
Gm16	3462559	3463542	Gmdrm	hyper	CHH	0.013
Gm16	3509943	3510917	Gmdrm	hyper	CHH	0.0462
Gm16	3516314	3517271	Gmdrm	hyper	CHH	0.0339

Gm16	3566647	3567638	Gmdrm	hyper	CHH	0.0171
Gm16	3586246	3587245	Gmdrm	hyper	CHH	0.0151
Gm16	3626807	3626949	Gmdrm	hyper	CHH	0.1
Gm16	3670633	3671054	Gmdrm	hyper	CHH	0.0507
Gm16	3707394	3707848	Gmdrm	hyper	CHH	0.0433
Gm16	3754873	3755854	Gmdrm	hyper	CHH	0.0233
Gm16	3790190	3790683	Gmdrm	hyper	CHH	0.0192
Gm16	3831953	3832945	Gmdrm	hyper	CHH	0.0195
Gm16	3880898	3881888	Gmdrm	hyper	CHH	0.0107
Gm16	3962309	3963299	Gmdrm	hyper	CHH	0.0123
Gm16	3966464	3967457	Gmdrm	hyper	CHH	0.0162
Gm16	3969867	3970499	Gmdrm	hyper	CHH	0.0235
Gm16	3980720	3981707	Gmdrm	hyper	CHH	0.0268
Gm16	4026755	4027751	Gmdrm	hyper	CHH	0.0202
Gm16	4062127	4062799	Gmdrm	hyper	CHH	0.019
Gm16	4063195	4063764	Gmdrm	hyper	CHH	0.0402
Gm16	4082731	4083209	Gmdrm	hyper	CHH	0.0239
Gm16	4196585	4196922	Gmdrm	hyper	CHH	0.0248
Gm16	4260772	4261759	Gmdrm	hyper	CHH	0.0182
Gm16	4363703	4364023	Gmdrm	hyper	CHH	0.055
Gm16	4383956	4384937	Gmdrm	hyper	CHH	0.0099
Gm16	4404114	4405105	Gmdrm	hyper	CHH	0.0124
Gm16	4481728	4482726	Gmdrm	hyper	CHH	0.021
Gm16	4690050	4690780	Gmdrm	hyper	CHH	0.0167
Gm16	4690885	4691451	Gmdrm	hyper	CHH	0.0175
Gm16	4733634	4734564	Gmdrm	hyper	CHH	0.0222
Gm16	4736974	4737310	Gmdrm	hyper	CHH	0.0263
Gm16	4825814	4826812	Gmdrm	hyper	CHH	0.0192
Gm16	4832319	4833302	Gmdrm	hyper	CHH	0.0503
Gm16	4834376	4835376	Gmdrm	hyper	CHH	0.0122
Gm16	4868324	4869266	Gmdrm	hyper	CHH	0.0109
Gm16	4937690	4938679	Gmdrm	hyper	CHH	0.0149
Gm16	4950594	4951584	Gmdrm	hyper	CHH	0.0284
Gm16	4993078	4994076	Gmdrm	hyper	CHH	0.0186
Gm16	5001198	5002037	Gmdrm	hyper	CHH	0.0179
Gm16	5025172	5026172	Gmdrm	hyper	CHH	0.0128
Gm16	5050607	5051599	Gmdrm	hyper	CHH	0.0309
Gm16	5065267	5066259	Gmdrm	hyper	CHH	0.0151
Gm16	5081688	5082683	Gmdrm	hyper	CHH	0.0105
Gm16	5207010	5207064	Gmdrm	hyper	CHH	0.04
Gm16	5235815	5236807	Gmdrm	hyper	CHH	0.0127
Gm16	5263684	5264651	Gmdrm	hyper	CHH	0.0218
Gm16	5282332	5283327	Gmdrm	hyper	CHH	0.019
Gm16	5329096	5330081	Gmdrm	hyper	CHH	0.0348
Gm16	5330104	5330325	Gmdrm	hyper	CHH	0.1092
Gm16	5335595	5335720	Gmdrm	hyper	CHH	0.031

Gm16	5390256	5391248	Gmdrm	hyper	CHH	0.0124
Gm16	5407289	5408268	Gmdrm	hyper	CHH	0.0218
Gm16	5417231	5418179	Gmdrm	hyper	CHH	0.0136
Gm16	5609190	5610155	Gmdrm	hyper	CHH	0.0125
Gm16	5633717	5634294	Gmdrm	hyper	CHH	0.032
Gm16	5667697	5668695	Gmdrm	hyper	CHH	0.069
Gm16	5718862	5719538	Gmdrm	hyper	CHH	0.0222
Gm16	5768135	5769131	Gmdrm	hyper	CHH	0.0239
Gm16	5870399	5870907	Gmdrm	hyper	CHH	0.026
Gm16	5882123	5883123	Gmdrm	hyper	CHH	0.0202
Gm16	5918506	5919491	Gmdrm	hyper	CHH	0.0147
Gm16	5921477	5921869	Gmdrm	hyper	CHH	0.0671
Gm16	5943767	5944037	Gmdrm	hyper	CHH	0.0418
Gm16	5957897	5958542	Gmdrm	hyper	CHH	0.0231
Gm16	5973464	5974451	Gmdrm	hyper	CHH	0.0162
Gm16	6001005	6002001	Gmdrm	hyper	CHH	0.0262
Gm16	6031331	6032326	Gmdrm	hyper	CHH	0.0119
Gm16	6036042	6037020	Gmdrm	hyper	CHH	0.0205
Gm16	6048498	6049486	Gmdrm	hyper	CHH	0.0242
Gm16	6056399	6056520	Gmdrm	hyper	CHH	0.046
Gm16	6069236	6070228	Gmdrm	hyper	CHH	0.0229
Gm16	6091965	6092076	Gmdrm	hyper	CHH	0.038
Gm16	6166785	6167361	Gmdrm	hyper	CHH	0.0235
Gm16	6188272	6188843	Gmdrm	hyper	CHH	0.0188
Gm16	6196940	6197680	Gmdrm	hyper	CHH	0.0283
Gm16	6216634	6217634	Gmdrm	hyper	CHH	0.0204
Gm16	6227883	6228868	Gmdrm	hyper	CHH	0.0163
Gm16	6271881	6272720	Gmdrm	hyper	CHH	0.0218
Gm16	6292278	6292326	Gmdrm	hyper	CHH	0.056
Gm16	6293455	6294434	Gmdrm	hyper	CHH	0.0126
Gm16	6470181	6471153	Gmdrm	hyper	CHH	0.0106
Gm16	6512463	6513440	Gmdrm	hyper	CHH	0.025
Gm16	6521689	6522663	Gmdrm	hyper	CHH	0.0425
Gm16	6524923	6525918	Gmdrm	hyper	CHH	0.0449
Gm16	6533088	6534026	Gmdrm	hyper	CHH	0.0177
Gm16	6541039	6541807	Gmdrm	hyper	CHH	0.0317
Gm16	6591788	6591897	Gmdrm	hyper	CHH	0.0209
Gm16	6613534	6614263	Gmdrm	hyper	CHH	0.0274
Gm16	6614375	6614586	Gmdrm	hyper	CHH	0.0345
Gm16	6676963	6677959	Gmdrm	hyper	CHH	0.0164
Gm16	6680826	6681800	Gmdrm	hyper	CHH	0.0201
Gm16	6785320	6785901	Gmdrm	hyper	CHH	0.0259
Gm16	6799142	6800142	Gmdrm	hyper	CHH	0.0159
Gm16	6978454	6979452	Gmdrm	hyper	CHH	0.0148
Gm16	7019516	7020515	Gmdrm	hyper	CHH	0.0113
Gm16	7062658	7063613	Gmdrm	hyper	CHH	0.0304

Gm16	7109404	7109979	Gmdrm	hyper	CHH	0.0241
Gm16	7177415	7178409	Gmdrm	hyper	CHH	0.0225
Gm16	7182857	7183270	Gmdrm	hyper	CHH	0.0593
Gm16	7314625	7315609	Gmdrm	hyper	CHH	0.0177
Gm16	7360115	7361113	Gmdrm	hyper	CHH	0.061
Gm16	7391165	7391181	Gmdrm	hyper	CHH	0.162
Gm16	7406085	7406796	Gmdrm	hyper	CHH	0.0281
Gm16	7407201	7407494	Gmdrm	hyper	CHH	0.0352
Gm16	7496640	7496856	Gmdrm	hyper	CHH	0.0454
Gm16	7525284	7526275	Gmdrm	hyper	CHH	0.0204
Gm16	7610736	7611162	Gmdrm	hyper	CHH	0.0338
Gm16	7647400	7648392	Gmdrm	hyper	CHH	0.027
Gm16	7812182	7812351	Gmdrm	hyper	CHH	0.067
Gm16	7823913	7824906	Gmdrm	hyper	CHH	0.0357
Gm16	7878207	7879189	Gmdrm	hyper	CHH	0.0131
Gm16	7894851	7895383	Gmdrm	hyper	CHH	0.0365
Gm16	7990903	7990971	Gmdrm	hyper	CHH	0.062
Gm16	8023677	8024667	Gmdrm	hyper	CHH	0.0211
Gm16	8027960	8028959	Gmdrm	hyper	CHH	0.0144
Gm16	8066688	8067663	Gmdrm	hyper	CHH	0.0117
Gm16	8083818	8084731	Gmdrm	hyper	CHH	0.0161
Gm16	8132666	8133655	Gmdrm	hyper	CHH	0.0145
Gm16	8395459	8396445	Gmdrm	hyper	CHH	0.0435
Gm16	8396460	8397448	Gmdrm	hyper	CHH	0.031
Gm16	8408534	8409532	Gmdrm	hyper	CHH	0.0417
Gm16	8412561	8413519	Gmdrm	hyper	CHH	0.0513
Gm16	8421605	8422605	Gmdrm	hyper	CHH	0.0471
Gm16	8614616	8615615	Gmdrm	hyper	CHH	0.0419
Gm16	8675179	8676176	Gmdrm	hyper	CHH	0.0168
Gm16	8699054	8700041	Gmdrm	hyper	CHH	0.0334
Gm16	8700055	8700981	Gmdrm	hyper	CHH	0.0221
Gm16	8738579	8738794	Gmdrm	hyper	CHH	0.0414
Gm16	8757717	8758704	Gmdrm	hyper	CHH	0.036
Gm16	8824675	8825396	Gmdrm	hyper	CHH	0.0278
Gm16	8984924	8985781	Gmdrm	hyper	CHH	0.0616
Gm16	9047504	9047531	Gmdrm	hyper	CHH	0.37
Gm16	9373290	9374288	Gmdrm	hyper	CHH	0.0331
Gm16	9471008	9471528	Gmdrm	hyper	CHH	0.0172
Gm16	9524899	9525896	Gmdrm	hyper	CHH	0.0434
Gm16	9906024	9907001	Gmdrm	hyper	CHH	0.0201
Gm16	9945311	9945653	Gmdrm	hyper	CHH	0.0544
Gm16	10090603	10091595	Gmdrm	hyper	CHH	0.0504
Gm16	10091609	10092606	Gmdrm	hyper	CHH	0.0396
Gm16	10248505	10249502	Gmdrm	hyper	CHH	0.0496
Gm16	10279239	10280228	Gmdrm	hyper	CHH	0.0345
Gm16	10361201	10362194	Gmdrm	hyper	CHH	0.0443

Gm16	10457811	10458793	Gmdrm	hyper	CHH	0.051
Gm16	10575046	10576045	Gmdrm	hyper	CHH	0.0613
Gm16	10756216	10757208	Gmdrm	hyper	CHH	0.0667
Gm16	10800556	10801482	Gmdrm	hyper	CHH	0.0487
Gm16	11124270	11125120	Gmdrm	hyper	CHH	0.0216
Gm16	11172910	11173908	Gmdrm	hyper	CHH	0.0621
Gm16	11208286	11208328	Gmdrm	hyper	CHH	0.2889
Gm16	11250197	11251185	Gmdrm	hyper	CHH	0.0203
Gm16	11272380	11272591	Gmdrm	hyper	CHH	0.03
Gm16	11284331	11285324	Gmdrm	hyper	CHH	0.0577
Gm16	11286339	11287337	Gmdrm	hyper	CHH	0.0385
Gm16	11288352	11289343	Gmdrm	hyper	CHH	0.0628
Gm16	11292673	11293672	Gmdrm	hyper	CHH	0.0628
Gm16	11293677	11294669	Gmdrm	hyper	CHH	0.0798
Gm16	11294688	11295687	Gmdrm	hyper	CHH	0.0605
Gm16	11295694	11296681	Gmdrm	hyper	CHH	0.0655
Gm16	11296696	11297695	Gmdrm	hyper	CHH	0.0466
Gm16	11336549	11337549	Gmdrm	hyper	CHH	0.0172
Gm16	11354774	11355771	Gmdrm	hyper	CHH	0.0398
Gm16	11358769	11359767	Gmdrm	hyper	CHH	0.0401
Gm16	11362138	11363138	Gmdrm	hyper	CHH	0.0617
Gm16	11367501	11367817	Gmdrm	hyper	CHH	0.1643
Gm16	11544257	11545256	Gmdrm	hyper	CHH	0.0441
Gm16	11562041	11562123	Gmdrm	hyper	CHH	0.08
Gm16	12008820	12009820	Gmdrm	hyper	CHH	0.0669
Gm16	12073536	12074496	Gmdrm	hyper	CHH	0.0677
Gm16	12075742	12076703	Gmdrm	hyper	CHH	0.0694
Gm16	12489608	12490596	Gmdrm	hyper	CHH	0.015
Gm16	12517724	12518724	Gmdrm	hyper	CHH	0.0362
Gm16	12622269	12623261	Gmdrm	hyper	CHH	0.0593
Gm16	12723587	12723760	Gmdrm	hyper	CHH	0.1144
Gm16	12727314	12728013	Gmdrm	hyper	CHH	0.1058
Gm16	12900977	12901968	Gmdrm	hyper	CHH	0.0564
Gm16	13036336	13037336	Gmdrm	hyper	CHH	0.0518
Gm16	13100716	13101029	Gmdrm	hyper	CHH	0.1717
Gm16	13387860	13388204	Gmdrm	hyper	CHH	0.0857
Gm16	13501000	13501193	Gmdrm	hyper	CHH	0.2054
Gm16	13588638	13589626	Gmdrm	hyper	CHH	0.0856
Gm16	13738095	13738421	Gmdrm	hyper	CHH	0.0942
Gm16	14003555	14004554	Gmdrm	hyper	CHH	0.0514
Gm16	14126299	14127299	Gmdrm	hyper	CHH	0.0442
Gm16	14147534	14148504	Gmdrm	hyper	CHH	0.0564
Gm16	14237540	14237927	Gmdrm	hyper	CHH	0.1533
Gm16	14290065	14291063	Gmdrm	hyper	CHH	0.0577
Gm16	14441095	14442091	Gmdrm	hyper	CHH	0.0809
Gm16	14787438	14788416	Gmdrm	hyper	CHH	0.0259

Gm16	14854541	14854941	Gmdrm	hyper	CHH	0.1452
Gm16	14907838	14907919	Gmdrm	hyper	CHH	0.0483
Gm16	14924507	14925499	Gmdrm	hyper	CHH	0.0155
Gm16	14934660	14935629	Gmdrm	hyper	CHH	0.0221
Gm16	15183096	15183639	Gmdrm	hyper	CHH	0.0887
Gm16	15335789	15336789	Gmdrm	hyper	CHH	0.0526
Gm16	15728185	15728998	Gmdrm	hyper	CHH	0.0846
Gm16	15730616	15731584	Gmdrm	hyper	CHH	0.0903
Gm16	15932274	15932660	Gmdrm	hyper	CHH	0.0343
Gm16	15947114	15947157	Gmdrm	hyper	CHH	0.2429
Gm16	15986596	15986951	Gmdrm	hyper	CHH	0.1017
Gm16	16007523	16007997	Gmdrm	hyper	CHH	0.0353
Gm16	16397366	16397551	Gmdrm	hyper	CHH	0.1785
Gm16	16503170	16504163	Gmdrm	hyper	CHH	0.0506
Gm16	16870615	16871614	Gmdrm	hyper	CHH	0.0414
Gm16	16947342	16947520	Gmdrm	hyper	CHH	0.1293
Gm16	16980077	16981062	Gmdrm	hyper	CHH	0.0236
Gm16	17066416	17067413	Gmdrm	hyper	CHH	0.0128
Gm16	17251140	17252138	Gmdrm	hyper	CHH	0.0896
Gm16	17323745	17324745	Gmdrm	hyper	CHH	0.0739
Gm16	17369610	17369665	Gmdrm	hyper	CHH	0.4244
Gm16	17390856	17391533	Gmdrm	hyper	CHH	0.1563
Gm16	17501274	17501377	Gmdrm	hyper	CHH	0.1492
Gm16	17503132	17503159	Gmdrm	hyper	CHH	0.24
Gm16	17522094	17522210	Gmdrm	hyper	CHH	0.254
Gm16	17565768	17566747	Gmdrm	hyper	CHH	0.0661
Gm16	17603838	17604112	Gmdrm	hyper	CHH	0.0482
Gm16	17896449	17897393	Gmdrm	hyper	CHH	0.0534
Gm16	17898470	17899467	Gmdrm	hyper	CHH	0.0269
Gm16	18046861	18047852	Gmdrm	hyper	CHH	0.0846
Gm16	18072931	18073373	Gmdrm	hyper	CHH	0.1352
Gm16	18128021	18128081	Gmdrm	hyper	CHH	0.245
Gm16	18279290	18279744	Gmdrm	hyper	CHH	0.0886
Gm16	18518096	18519084	Gmdrm	hyper	CHH	0.0428
Gm16	18537816	18538763	Gmdrm	hyper	CHH	0.0407
Gm16	18842935	18843278	Gmdrm	hyper	CHH	0.0434
Gm16	18932563	18932900	Gmdrm	hyper	CHH	0.04
Gm16	19021265	19022265	Gmdrm	hyper	CHH	0.023
Gm16	19029966	19030948	Gmdrm	hyper	CHH	0.0232
Gm16	19158095	19159088	Gmdrm	hyper	CHH	0.0245
Gm16	19221536	19222036	Gmdrm	hyper	CHH	0.0329
Gm16	19301315	19302289	Gmdrm	hyper	CHH	0.0336
Gm16	19321818	19322101	Gmdrm	hyper	CHH	0.0753
Gm16	19327089	19328084	Gmdrm	hyper	CHH	0.0433
Gm16	19667137	19667622	Gmdrm	hyper	CHH	0.0247
Gm16	19675316	19676279	Gmdrm	hyper	CHH	0.0109

Gm16	19713821	19714819	Gmdrm	hyper	CHH	0.0607
Gm16	19788334	19788978	Gmdrm	hyper	CHH	0.1
Gm16	19941897	19942895	Gmdrm	hyper	CHH	0.0433
Gm16	19950493	19951475	Gmdrm	hyper	CHH	0.0571
Gm16	20103505	20104494	Gmdrm	hyper	CHH	0.0326
Gm16	20171445	20171982	Gmdrm	hyper	CHH	0.0424
Gm16	20286217	20287208	Gmdrm	hyper	CHH	0.0284
Gm16	20353467	20354467	Gmdrm	hyper	CHH	0.0779
Gm16	20404646	20405354	Gmdrm	hyper	CHH	0.0596
Gm16	20594468	20595462	Gmdrm	hyper	CHH	0.0219
Gm16	20604847	20605613	Gmdrm	hyper	CHH	0.0168
Gm16	20709499	20710040	Gmdrm	hyper	CHH	0.0939
Gm16	20860156	20861143	Gmdrm	hyper	CHH	0.0331
Gm16	20881772	20881837	Gmdrm	hyper	CHH	0.1584
Gm16	21000417	21001406	Gmdrm	hyper	CHH	0.02
Gm16	21134440	21135436	Gmdrm	hyper	CHH	0.068
Gm16	21166569	21167560	Gmdrm	hyper	CHH	0.0529
Gm16	21214933	21215342	Gmdrm	hyper	CHH	0.0323
Gm16	21314340	21315325	Gmdrm	hyper	CHH	0.0139
Gm16	21540775	21541769	Gmdrm	hyper	CHH	0.0404
Gm16	21547156	21547580	Gmdrm	hyper	CHH	0.0255
Gm16	21556931	21557925	Gmdrm	hyper	CHH	0.0203
Gm16	21569683	21570339	Gmdrm	hyper	CHH	0.0692
Gm16	21573246	21574232	Gmdrm	hyper	CHH	0.0541
Gm16	21639843	21640830	Gmdrm	hyper	CHH	0.0636
Gm16	21705467	21706463	Gmdrm	hyper	CHH	0.0206
Gm16	21779930	21780704	Gmdrm	hyper	CHH	0.0454
Gm16	21840604	21840795	Gmdrm	hyper	CHH	0.0443
Gm16	21889053	21889690	Gmdrm	hyper	CHH	0.0168
Gm16	21896232	21897217	Gmdrm	hyper	CHH	0.0312
Gm16	21992861	21993857	Gmdrm	hyper	CHH	0.0235
Gm16	22148498	22149498	Gmdrm	hyper	CHH	0.0492
Gm16	22245360	22245999	Gmdrm	hyper	CHH	0.1
Gm16	22484067	22484922	Gmdrm	hyper	CHH	0.0742
Gm16	22504503	22504868	Gmdrm	hyper	CHH	0.0984
Gm16	22529902	22530419	Gmdrm	hyper	CHH	0.12
Gm16	22574554	22574576	Gmdrm	hyper	CHH	0.166
Gm16	22814908	22815893	Gmdrm	hyper	CHH	0.0217
Gm16	22912415	22913131	Gmdrm	hyper	CHH	0.0601
Gm16	22958079	22958158	Gmdrm	hyper	CHH	0.2514
Gm16	23100396	23101395	Gmdrm	hyper	CHH	0.0142
Gm16	23198275	23199274	Gmdrm	hyper	CHH	0.0532
Gm16	23258398	23258907	Gmdrm	hyper	CHH	0.0176
Gm16	23259015	23259236	Gmdrm	hyper	CHH	0.0967
Gm16	23272657	23273651	Gmdrm	hyper	CHH	0.0441
Gm16	23312596	23313001	Gmdrm	hyper	CHH	0.0242

Gm16	23321324	23322304	Gmdrm	hyper	CHH	0.0161
Gm16	23378623	23378732	Gmdrm	hyper	CHH	0.0729
Gm16	23421996	23422993	Gmdrm	hyper	CHH	0.0737
Gm16	23457431	23458426	Gmdrm	hyper	CHH	0.0398
Gm16	23605417	23606417	Gmdrm	hyper	CHH	0.0378
Gm16	23970914	23971914	Gmdrm	hyper	CHH	0.0599
Gm16	24117989	24118061	Gmdrm	hyper	CHH	0.2587
Gm16	24324627	24324721	Gmdrm	hyper	CHH	0.13
Gm16	24336201	24337201	Gmdrm	hyper	CHH	0.0236
Gm16	24535663	24536663	Gmdrm	hyper	CHH	0.0424
Gm16	24607124	24607311	Gmdrm	hyper	CHH	0.1193
Gm16	24621897	24622884	Gmdrm	hyper	CHH	0.0283
Gm16	24661852	24662834	Gmdrm	hyper	CHH	0.0155
Gm16	24767748	24768715	Gmdrm	hyper	CHH	0.0182
Gm16	24768790	24769775	Gmdrm	hyper	CHH	0.0164
Gm16	24775326	24775392	Gmdrm	hyper	CHH	0.29
Gm16	24828798	24829004	Gmdrm	hyper	CHH	0.078
Gm16	24831302	24832298	Gmdrm	hyper	CHH	0.0147
Gm16	24841708	24842693	Gmdrm	hyper	CHH	0.016
Gm16	24915924	24916905	Gmdrm	hyper	CHH	0.0421
Gm16	24959177	24960138	Gmdrm	hyper	CHH	0.0346
Gm16	24965030	24966003	Gmdrm	hyper	CHH	0.0274
Gm16	25076686	25077418	Gmdrm	hyper	CHH	0.0548
Gm16	25091768	25092752	Gmdrm	hyper	CHH	0.0339
Gm16	25156545	25157507	Gmdrm	hyper	CHH	0.0192
Gm16	25323251	25324225	Gmdrm	hyper	CHH	0.0131
Gm16	25858841	25859807	Gmdrm	hyper	CHH	0.0196
Gm16	25863424	25863613	Gmdrm	hyper	CHH	0.0363
Gm16	25927853	25928826	Gmdrm	hyper	CHH	0.0151
Gm16	25938927	25939917	Gmdrm	hyper	CHH	0.0538
Gm16	25967495	25968426	Gmdrm	hyper	CHH	0.0188
Gm16	26054292	26055200	Gmdrm	hyper	CHH	0.0383
Gm16	26056313	26056958	Gmdrm	hyper	CHH	0.0438
Gm16	26148052	26149051	Gmdrm	hyper	CHH	0.0576
Gm16	26239803	26240789	Gmdrm	hyper	CHH	0.0235
Gm16	26248077	26248252	Gmdrm	hyper	CHH	0.0566
Gm16	26304282	26304686	Gmdrm	hyper	CHH	0.0433
Gm16	26305046	26305248	Gmdrm	hyper	CHH	0.135
Gm16	26346108	26346199	Gmdrm	hyper	CHH	0.0689
Gm16	26391892	26392891	Gmdrm	hyper	CHH	0.0429
Gm16	26457981	26458980	Gmdrm	hyper	CHH	0.0505
Gm16	26464323	26465102	Gmdrm	hyper	CHH	0.0519
Gm16	26523154	26524147	Gmdrm	hyper	CHH	0.0483
Gm16	26524165	26525164	Gmdrm	hyper	CHH	0.1149
Gm16	26525184	26526177	Gmdrm	hyper	CHH	0.1258
Gm16	26531439	26532365	Gmdrm	hyper	CHH	0.0224

Gm16	26565318	26566053	Gmdrm	hyper	CHH	0.0178
Gm16	26588717	26589713	Gmdrm	hyper	CHH	0.0122
Gm16	26596783	26597541	Gmdrm	hyper	CHH	0.0479
Gm16	26617862	26618854	Gmdrm	hyper	CHH	0.0337
Gm16	26781243	26782240	Gmdrm	hyper	CHH	0.0132
Gm16	26973293	26974292	Gmdrm	hyper	CHH	0.0606
Gm16	27036137	27037094	Gmdrm	hyper	CHH	0.042
Gm16	27053986	27054686	Gmdrm	hyper	CHH	0.025
Gm16	27078875	27079204	Gmdrm	hyper	CHH	0.0913
Gm16	27145909	27146888	Gmdrm	hyper	CHH	0.0095
Gm16	27254328	27254611	Gmdrm	hyper	CHH	0.05
Gm16	27313825	27314825	Gmdrm	hyper	CHH	0.0158
Gm16	27355186	27356185	Gmdrm	hyper	CHH	0.0364
Gm16	27381838	27382832	Gmdrm	hyper	CHH	0.02
Gm16	27460108	27461046	Gmdrm	hyper	CHH	0.0189
Gm16	27674140	27674203	Gmdrm	hyper	CHH	0.1017
Gm16	27690213	27691185	Gmdrm	hyper	CHH	0.0427
Gm16	27708074	27708672	Gmdrm	hyper	CHH	0.0143
Gm16	27765411	27766403	Gmdrm	hyper	CHH	0.0279
Gm16	27768476	27768590	Gmdrm	hyper	CHH	0.07
Gm16	27786941	27787117	Gmdrm	hyper	CHH	0.0833
Gm16	27849319	27850316	Gmdrm	hyper	CHH	0.0219
Gm16	27854938	27855904	Gmdrm	hyper	CHH	0.0107
Gm16	27961549	27962547	Gmdrm	hyper	CHH	0.0166
Gm16	27962556	27963525	Gmdrm	hyper	CHH	0.017
Gm16	27965606	27966599	Gmdrm	hyper	CHH	0.02
Gm16	28065928	28066927	Gmdrm	hyper	CHH	0.0371
Gm16	28117374	28117697	Gmdrm	hyper	CHH	0.0167
Gm16	28191202	28191562	Gmdrm	hyper	CHH	0.024
Gm16	28249274	28249677	Gmdrm	hyper	CHH	0.0395
Gm16	28310147	28311142	Gmdrm	hyper	CHH	0.0139
Gm16	28389064	28390060	Gmdrm	hyper	CHH	0.0642
Gm16	28490798	28491763	Gmdrm	hyper	CHH	0.0451
Gm16	28586814	28587222	Gmdrm	hyper	CHH	0.0256
Gm16	28608518	28609506	Gmdrm	hyper	CHH	0.0452
Gm16	28634272	28635248	Gmdrm	hyper	CHH	0.0181
Gm16	28658352	28659163	Gmdrm	hyper	CHH	0.0218
Gm16	28663246	28664241	Gmdrm	hyper	CHH	0.0195
Gm16	28682431	28683431	Gmdrm	hyper	CHH	0.0326
Gm16	28797345	28798337	Gmdrm	hyper	CHH	0.0462
Gm16	28819312	28820073	Gmdrm	hyper	CHH	0.0228
Gm16	28866431	28867426	Gmdrm	hyper	CHH	0.0303
Gm16	28913363	28913490	Gmdrm	hyper	CHH	0.0228
Gm16	28917711	28918684	Gmdrm	hyper	CHH	0.0109
Gm16	28922861	28923840	Gmdrm	hyper	CHH	0.0148
Gm16	29004588	29005274	Gmdrm	hyper	CHH	0.0271

Gm16	29144307	29145286	Gmdrm	hyper	CHH	0.0226
Gm16	29257441	29258436	Gmdrm	hyper	CHH	0.0264
Gm16	29304983	29305219	Gmdrm	hyper	CHH	0.043
Gm16	29422148	29423147	Gmdrm	hyper	CHH	0.0531
Gm16	29457002	29457361	Gmdrm	hyper	CHH	0.0361
Gm16	29479619	29480603	Gmdrm	hyper	CHH	0.0547
Gm16	29556202	29556733	Gmdrm	hyper	CHH	0.0145
Gm16	29632723	29633680	Gmdrm	hyper	CHH	0.0235
Gm16	29685362	29686362	Gmdrm	hyper	CHH	0.0141
Gm16	29692303	29693303	Gmdrm	hyper	CHH	0.0117
Gm16	29704597	29705550	Gmdrm	hyper	CHH	0.0181
Gm16	29722407	29722895	Gmdrm	hyper	CHH	0.0293
Gm16	29783248	29784248	Gmdrm	hyper	CHH	0.0364
Gm16	29812362	29812420	Gmdrm	hyper	CHH	0.0414
Gm16	29866447	29867444	Gmdrm	hyper	CHH	0.0182
Gm16	29873155	29873618	Gmdrm	hyper	CHH	0.0265
Gm16	30071159	30071380	Gmdrm	hyper	CHH	0.067
Gm16	30148786	30149760	Gmdrm	hyper	CHH	0.0139
Gm16	30153912	30154477	Gmdrm	hyper	CHH	0.0283
Gm16	30193203	30194201	Gmdrm	hyper	CHH	0.0187
Gm16	30456827	30457821	Gmdrm	hyper	CHH	0.0167
Gm16	30460858	30461843	Gmdrm	hyper	CHH	0.0172
Gm16	30471782	30472379	Gmdrm	hyper	CHH	0.0257
Gm16	30533184	30533632	Gmdrm	hyper	CHH	0.0147
Gm16	30560239	30561173	Gmdrm	hyper	CHH	0.0256
Gm16	30595165	30595741	Gmdrm	hyper	CHH	0.0293
Gm16	30613523	30614510	Gmdrm	hyper	CHH	0.0146
Gm16	30645536	30645762	Gmdrm	hyper	CHH	0.0584
Gm16	30647441	30647804	Gmdrm	hyper	CHH	0.0714
Gm16	30650841	30650907	Gmdrm	hyper	CHH	0.05
Gm16	30672312	30673263	Gmdrm	hyper	CHH	0.0253
Gm16	30710223	30711162	Gmdrm	hyper	CHH	0.0277
Gm16	30725788	30726788	Gmdrm	hyper	CHH	0.0193
Gm16	30826446	30827441	Gmdrm	hyper	CHH	0.0236
Gm16	30849161	30850016	Gmdrm	hyper	CHH	0.0164
Gm16	30907381	30907862	Gmdrm	hyper	CHH	0.0362
Gm16	30915762	30916720	Gmdrm	hyper	CHH	0.0186
Gm16	30920595	30921594	Gmdrm	hyper	CHH	0.0246
Gm16	31015070	31016051	Gmdrm	hyper	CHH	0.0258
Gm16	31027569	31028541	Gmdrm	hyper	CHH	0.0312
Gm16	31037754	31038744	Gmdrm	hyper	CHH	0.0194
Gm16	31038760	31039027	Gmdrm	hyper	CHH	0.0656
Gm16	31150225	31151225	Gmdrm	hyper	CHH	0.0112
Gm16	31166856	31167639	Gmdrm	hyper	CHH	0.0246
Gm16	31254222	31254871	Gmdrm	hyper	CHH	0.0452
Gm16	31261007	31261990	Gmdrm	hyper	CHH	0.0159

Gm16	31279352	31280330	Gmdrm	hyper	CHH	0.0168
Gm16	31394466	31395115	Gmdrm	hyper	CHH	0.0168
Gm16	31406183	31407153	Gmdrm	hyper	CHH	0.0265
Gm16	31425708	31426009	Gmdrm	hyper	CHH	0.064
Gm16	31491793	31492778	Gmdrm	hyper	CHH	0.0203
Gm16	31510070	31510448	Gmdrm	hyper	CHH	0.0285
Gm16	31560794	31561674	Gmdrm	hyper	CHH	0.0165
Gm16	31587277	31588275	Gmdrm	hyper	CHH	0.0148
Gm16	31746962	31747960	Gmdrm	hyper	CHH	0.0157
Gm16	31877214	31878210	Gmdrm	hyper	CHH	0.0148
Gm16	31920072	31920837	Gmdrm	hyper	CHH	0.0212
Gm16	31960764	31961166	Gmdrm	hyper	CHH	0.017
Gm16	31981703	31982703	Gmdrm	hyper	CHH	0.0196
Gm16	32072736	32073734	Gmdrm	hyper	CHH	0.0456
Gm16	32077169	32078167	Gmdrm	hyper	CHH	0.0127
Gm16	32111517	32112510	Gmdrm	hyper	CHH	0.0428
Gm16	32119136	32120112	Gmdrm	hyper	CHH	0.0193
Gm16	32179393	32179795	Gmdrm	hyper	CHH	0.028
Gm16	32201027	32201363	Gmdrm	hyper	CHH	0.0431
Gm16	32239627	32240598	Gmdrm	hyper	CHH	0.0116
Gm16	32304579	32305566	Gmdrm	hyper	CHH	0.0106
Gm16	32314219	32315215	Gmdrm	hyper	CHH	0.0222
Gm16	32328772	32329187	Gmdrm	hyper	CHH	0.0333
Gm16	32463562	32464513	Gmdrm	hyper	CHH	0.0158
Gm16	32507839	32508141	Gmdrm	hyper	CHH	0.0394
Gm16	32539361	32540344	Gmdrm	hyper	CHH	0.0185
Gm16	32551569	32552541	Gmdrm	hyper	CHH	0.0195
Gm16	32564511	32565475	Gmdrm	hyper	CHH	0.0152
Gm16	32675413	32676398	Gmdrm	hyper	CHH	0.0139
Gm16	32737049	32738021	Gmdrm	hyper	CHH	0.0167
Gm16	32768913	32769898	Gmdrm	hyper	CHH	0.0253
Gm16	32772341	32773022	Gmdrm	hyper	CHH	0.0344
Gm16	32788402	32788886	Gmdrm	hyper	CHH	0.0216
Gm16	32867985	32868985	Gmdrm	hyper	CHH	0.0155
Gm16	32878209	32879200	Gmdrm	hyper	CHH	0.0118
Gm16	32955875	32956690	Gmdrm	hyper	CHH	0.0188
Gm16	33029196	33030170	Gmdrm	hyper	CHH	0.02
Gm16	33067347	33068344	Gmdrm	hyper	CHH	0.0127
Gm16	33105878	33106870	Gmdrm	hyper	CHH	0.0195
Gm16	33208010	33208753	Gmdrm	hyper	CHH	0.0264
Gm16	33222831	33223164	Gmdrm	hyper	CHH	0.027
Gm16	33507311	33508311	Gmdrm	hyper	CHH	0.0254
Gm16	33524937	33525798	Gmdrm	hyper	CHH	0.0224
Gm16	33534391	33535369	Gmdrm	hyper	CHH	0.0512
Gm16	33633411	33634210	Gmdrm	hyper	CHH	0.0525
Gm16	33800258	33801257	Gmdrm	hyper	CHH	0.0032

Gm16	33825081	33826078	Gmdrm	hyper	CHH	0.0069
Gm16	33853584	33854568	Gmdrm	hyper	CHH	0.0054
Gm16	33875545	33876544	Gmdrm	hyper	CHH	0.0152
Gm16	33945272	33946260	Gmdrm	hyper	CHH	0.0154
Gm16	34056427	34057413	Gmdrm	hyper	CHH	0.0182
Gm16	34097025	34098011	Gmdrm	hyper	CHH	0.0166
Gm16	34118330	34119040	Gmdrm	hyper	CHH	0.0182
Gm16	34195672	34196671	Gmdrm	hyper	CHH	0.0125
Gm16	34213972	34214967	Gmdrm	hyper	CHH	0.0237
Gm16	34214976	34215422	Gmdrm	hyper	CHH	0.0347
Gm16	34256842	34257841	Gmdrm	hyper	CHH	0.0176
Gm16	34284350	34285346	Gmdrm	hyper	CHH	0.0243
Gm16	34289380	34289580	Gmdrm	hyper	CHH	0.074
Gm16	34353457	34354448	Gmdrm	hyper	CHH	0.0164
Gm16	34415094	34415694	Gmdrm	hyper	CHH	0.0206
Gm16	34416243	34417239	Gmdrm	hyper	CHH	0.0162
Gm16	34468835	34469830	Gmdrm	hyper	CHH	0.0142
Gm16	34501305	34501846	Gmdrm	hyper	CHH	0.0346
Gm16	34562482	34563470	Gmdrm	hyper	CHH	0.0209
Gm16	34565615	34566290	Gmdrm	hyper	CHH	0.0191
Gm16	34569130	34569325	Gmdrm	hyper	CHH	0.075
Gm16	34597604	34598603	Gmdrm	hyper	CHH	0.0251
Gm16	34605984	34606345	Gmdrm	hyper	CHH	0.0229
Gm16	34894580	34895579	Gmdrm	hyper	CHH	0.0299
Gm16	34895585	34895876	Gmdrm	hyper	CHH	0.1072
Gm16	34934865	34934970	Gmdrm	hyper	CHH	0.066
Gm16	35414569	35415554	Gmdrm	hyper	CHH	0.0132
Gm16	35466870	35467043	Gmdrm	hyper	CHH	0.0617
Gm16	35854052	35855045	Gmdrm	hyper	CHH	0.0125
Gm16	35884526	35884918	Gmdrm	hyper	CHH	0.0442
Gm16	35892125	35893119	Gmdrm	hyper	CHH	0.0113
Gm16	35909110	35909647	Gmdrm	hyper	CHH	0.0466
Gm16	35925934	35926891	Gmdrm	hyper	CHH	0.0207
Gm16	36034381	36034981	Gmdrm	hyper	CHH	0.0281
Gm16	36038342	36039338	Gmdrm	hyper	CHH	0.0151
Gm16	36058894	36059857	Gmdrm	hyper	CHH	0.0174
Gm16	36102583	36103545	Gmdrm	hyper	CHH	0.0268
Gm16	36120250	36120511	Gmdrm	hyper	CHH	0.0261
Gm16	36129464	36130460	Gmdrm	hyper	CHH	0.0199
Gm16	36170585	36170701	Gmdrm	hyper	CHH	0.0362
Gm16	36196854	36197846	Gmdrm	hyper	CHH	0.0128
Gm16	36259960	36260890	Gmdrm	hyper	CHH	0.0192
Gm16	36277658	36278403	Gmdrm	hyper	CHH	0.0254
Gm16	36300331	36301317	Gmdrm	hyper	CHH	0.028
Gm16	36325525	36326517	Gmdrm	hyper	CHH	0.0185
Gm16	36367671	36367777	Gmdrm	hyper	CHH	0.0655

Gm16	36392750	36393604	Gmdrm	hyper	CHH	0.0311
Gm16	36450751	36451749	Gmdrm	hyper	CHH	0.0153
Gm16	36469885	36469914	Gmdrm	hyper	CHH	0.1415
Gm16	36495957	36496949	Gmdrm	hyper	CHH	0.0183
Gm16	36520704	36521678	Gmdrm	hyper	CHH	0.0115
Gm16	36528410	36529408	Gmdrm	hyper	CHH	0.014
Gm16	36548398	36549389	Gmdrm	hyper	CHH	0.0141
Gm16	36561845	36562837	Gmdrm	hyper	CHH	0.0235
Gm16	36594613	36594709	Gmdrm	hyper	CHH	0.03
Gm16	36650509	36651508	Gmdrm	hyper	CHH	0.0153
Gm16	36694535	36695110	Gmdrm	hyper	CHH	0.0212
Gm16	36698700	36699676	Gmdrm	hyper	CHH	0.022
Gm16	36779638	36780633	Gmdrm	hyper	CHH	0.0428
Gm16	36816521	36817514	Gmdrm	hyper	CHH	0.0153
Gm16	37010355	37011337	Gmdrm	hyper	CHH	0.0129
Gm16	37026572	37027544	Gmdrm	hyper	CHH	0.0236
Gm16	37093860	37094851	Gmdrm	hyper	CHH	0.018
Gm16	37122158	37123147	Gmdrm	hyper	CHH	0.0366
Gm16	37136074	37137039	Gmdrm	hyper	CHH	0.0178
Gm16	37152172	37153159	Gmdrm	hyper	CHH	0.015
Gm16	37180267	37180719	Gmdrm	hyper	CHH	0.0177
Gm16	37191246	37192229	Gmdrm	hyper	CHH	0.0134
Gm16	37194470	37195449	Gmdrm	hyper	CHH	0.0186
Gm16	37229009	37229980	Gmdrm	hyper	CHH	0.035
Gm16	37263610	37264595	Gmdrm	hyper	CHH	0.0121
Gm16	37298005	37299000	Gmdrm	hyper	CHH	0.0167
Gm16	37299010	37299071	Gmdrm	hyper	CHH	0.0414
Gm16	37345142	37345420	Gmdrm	hyper	CHH	0.0431
Gm16	37451727	37452317	Gmdrm	hyper	CHH	0.08
Gm16	37464183	37464681	Gmdrm	hyper	CHH	0.0282
Gm16	37529506	37530474	Gmdrm	hyper	CHH	0.0335
Gm16	37536579	37536865	Gmdrm	hyper	CHH	0.0285
Gm16	37593270	37594248	Gmdrm	hyper	CHH	0.0182
Gm16	37609505	37610503	Gmdrm	hyper	CHH	0.0126
Gm16	37616481	37617448	Gmdrm	hyper	CHH	0.0142
Gm16	37682588	37682755	Gmdrm	hyper	CHH	0.0385
Gm16	37724768	37725440	Gmdrm	hyper	CHH	0.0149
Gm16	37729057	37729893	Gmdrm	hyper	CHH	0.0512
Gm16	37840885	37841845	Gmdrm	hyper	CHH	0.0427
Gm16	37914299	37915297	Gmdrm	hyper	CHH	0.0181
Gm16	37971912	37972879	Gmdrm	hyper	CHH	0.0155
Gm16	38002040	38003024	Gmdrm	hyper	CHH	0.0215
Gm16	38038599	38039251	Gmdrm	hyper	CHH	0.0442
Gm17	1028	1716	Gmdrm	hyper	CHH	0.0271
Gm17	71402	72400	Gmdrm	hyper	CHH	0.0549
Gm17	165892	165947	Gmdrm	hyper	CHH	0.1818

Gm17	168896	169503	Gmdrm	hyper	CHH	0.0271
Gm17	191330	191518	Gmdrm	hyper	CHH	0.068
Gm17	205652	206648	Gmdrm	hyper	CHH	0.0279
Gm17	213236	214185	Gmdrm	hyper	CHH	0.0178
Gm17	318676	319652	Gmdrm	hyper	CHH	0.0353
Gm17	361046	362032	Gmdrm	hyper	CHH	0.016
Gm17	409097	410085	Gmdrm	hyper	CHH	0.0312
Gm17	431985	432806	Gmdrm	hyper	CHH	0.0247
Gm17	450001	450723	Gmdrm	hyper	CHH	0.0277
Gm17	458631	459619	Gmdrm	hyper	CHH	0.0167
Gm17	477100	477304	Gmdrm	hyper	CHH	0.0746
Gm17	548199	549183	Gmdrm	hyper	CHH	0.0155
Gm17	558116	559110	Gmdrm	hyper	CHH	0.0214
Gm17	564845	565838	Gmdrm	hyper	CHH	0.0111
Gm17	582242	583238	Gmdrm	hyper	CHH	0.0413
Gm17	644287	645067	Gmdrm	hyper	CHH	0.0176
Gm17	774107	775090	Gmdrm	hyper	CHH	0.0147
Gm17	780342	781295	Gmdrm	hyper	CHH	0.0219
Gm17	804590	804944	Gmdrm	hyper	CHH	0.0244
Gm17	812207	812656	Gmdrm	hyper	CHH	0.0239
Gm17	823958	824940	Gmdrm	hyper	CHH	0.0124
Gm17	828774	829064	Gmdrm	hyper	CHH	0.054
Gm17	860742	861735	Gmdrm	hyper	CHH	0.0114
Gm17	873415	874406	Gmdrm	hyper	CHH	0.0122
Gm17	897165	897346	Gmdrm	hyper	CHH	0.0306
Gm17	909018	910009	Gmdrm	hyper	CHH	0.0238
Gm17	1001759	1002726	Gmdrm	hyper	CHH	0.0164
Gm17	1072818	1073173	Gmdrm	hyper	CHH	0.021
Gm17	1128134	1129132	Gmdrm	hyper	CHH	0.0169
Gm17	1285129	1285475	Gmdrm	hyper	CHH	0.038
Gm17	1314605	1315605	Gmdrm	hyper	CHH	0.0239
Gm17	1356640	1357615	Gmdrm	hyper	CHH	0.021
Gm17	1367203	1367599	Gmdrm	hyper	CHH	0.0306
Gm17	1393541	1393949	Gmdrm	hyper	CHH	0.0362
Gm17	1425214	1426211	Gmdrm	hyper	CHH	0.0458
Gm17	1426229	1427216	Gmdrm	hyper	CHH	0.0168
Gm17	1461801	1462088	Gmdrm	hyper	CHH	0.0557
Gm17	1517821	1518527	Gmdrm	hyper	CHH	0.031
Gm17	1522971	1523800	Gmdrm	hyper	CHH	0.0123
Gm17	1566911	1567911	Gmdrm	hyper	CHH	0.0212
Gm17	1582350	1582762	Gmdrm	hyper	CHH	0.0368
Gm17	1647264	1648181	Gmdrm	hyper	CHH	0.018
Gm17	1680794	1681770	Gmdrm	hyper	CHH	0.0462
Gm17	1770075	1770509	Gmdrm	hyper	CHH	0.0326
Gm17	1787790	1788736	Gmdrm	hyper	CHH	0.015
Gm17	1836082	1836828	Gmdrm	hyper	CHH	0.043

Gm17	1861375	1862340	Gmdrm	hyper	CHH	0.0304
Gm17	1918983	1919230	Gmdrm	hyper	CHH	0.0349
Gm17	1998062	1998655	Gmdrm	hyper	CHH	0.0169
Gm17	2041178	2042136	Gmdrm	hyper	CHH	0.026
Gm17	2059918	2060361	Gmdrm	hyper	CHH	0.058
Gm17	2086857	2087841	Gmdrm	hyper	CHH	0.0146
Gm17	2108685	2109611	Gmdrm	hyper	CHH	0.0202
Gm17	2154813	2155663	Gmdrm	hyper	CHH	0.039
Gm17	2192682	2193677	Gmdrm	hyper	CHH	0.0167
Gm17	2198628	2199628	Gmdrm	hyper	CHH	0.0183
Gm17	2200261	2201248	Gmdrm	hyper	CHH	0.028
Gm17	2201266	2202258	Gmdrm	hyper	CHH	0.0237
Gm17	2247579	2247788	Gmdrm	hyper	CHH	0.0709
Gm17	2256379	2256511	Gmdrm	hyper	CHH	0.062
Gm17	2259217	2260038	Gmdrm	hyper	CHH	0.0221
Gm17	2270545	2271529	Gmdrm	hyper	CHH	0.0106
Gm17	2297462	2298457	Gmdrm	hyper	CHH	0.0166
Gm17	2302561	2303525	Gmdrm	hyper	CHH	0.0197
Gm17	2344846	2345830	Gmdrm	hyper	CHH	0.0135
Gm17	2385267	2386267	Gmdrm	hyper	CHH	0.0119
Gm17	2402324	2403295	Gmdrm	hyper	CHH	0.016
Gm17	2408486	2409485	Gmdrm	hyper	CHH	0.0188
Gm17	2429117	2429321	Gmdrm	hyper	CHH	0.0292
Gm17	2430150	2431149	Gmdrm	hyper	CHH	0.0364
Gm17	2438787	2439778	Gmdrm	hyper	CHH	0.0314
Gm17	2469684	2469741	Gmdrm	hyper	CHH	0.055
Gm17	2527649	2528623	Gmdrm	hyper	CHH	0.0341
Gm17	2583690	2584657	Gmdrm	hyper	CHH	0.0223
Gm17	2591219	2592206	Gmdrm	hyper	CHH	0.0118
Gm17	2599850	2600520	Gmdrm	hyper	CHH	0.0253
Gm17	2648901	2649194	Gmdrm	hyper	CHH	0.0317
Gm17	2658268	2659260	Gmdrm	hyper	CHH	0.0113
Gm17	2740436	2741431	Gmdrm	hyper	CHH	0.0193
Gm17	2754361	2755345	Gmdrm	hyper	CHH	0.0187
Gm17	2761186	2761700	Gmdrm	hyper	CHH	0.024
Gm17	2810257	2811252	Gmdrm	hyper	CHH	0.0189
Gm17	2848542	2849534	Gmdrm	hyper	CHH	0.0143
Gm17	2852849	2853819	Gmdrm	hyper	CHH	0.0134
Gm17	2887061	2888052	Gmdrm	hyper	CHH	0.0149
Gm17	2897540	2898534	Gmdrm	hyper	CHH	0.016
Gm17	2943621	2943764	Gmdrm	hyper	CHH	0.03
Gm17	2979072	2979275	Gmdrm	hyper	CHH	0.0313
Gm17	3027729	3027879	Gmdrm	hyper	CHH	0.0409
Gm17	3033049	3034045	Gmdrm	hyper	CHH	0.0165
Gm17	3078748	3079254	Gmdrm	hyper	CHH	0.0596
Gm17	3174927	3175922	Gmdrm	hyper	CHH	0.0179

Gm17	3175929	3176160 Gmdrm	hyper	CHH	0.0326
Gm17	3214942	3215146 Gmdrm	hyper	CHH	0.0358
Gm17	3242319	3242819 Gmdrm	hyper	CHH	0.018
Gm17	3264069	3265033 Gmdrm	hyper	CHH	0.017
Gm17	3278677	3279525 Gmdrm	hyper	CHH	0.0116
Gm17	3283063	3283952 Gmdrm	hyper	CHH	0.0196
Gm17	3331756	3332755 Gmdrm	hyper	CHH	0.0223
Gm17	3351899	3352899 Gmdrm	hyper	CHH	0.0136
Gm17	3364797	3365789 Gmdrm	hyper	CHH	0.0131
Gm17	3428890	3429576 Gmdrm	hyper	CHH	0.0249
Gm17	3481712	3481973 Gmdrm	hyper	CHH	0.0627
Gm17	3540534	3540963 Gmdrm	hyper	CHH	0.0275
Gm17	3584701	3585143 Gmdrm	hyper	CHH	0.0439
Gm17	3602129	3603117 Gmdrm	hyper	CHH	0.0159
Gm17	3682576	3683107 Gmdrm	hyper	CHH	0.0176
Gm17	3758073	3759061 Gmdrm	hyper	CHH	0.0213
Gm17	3771401	3771581 Gmdrm	hyper	CHH	0.0443
Gm17	3809956	3810935 Gmdrm	hyper	CHH	0.023
Gm17	3838921	3839300 Gmdrm	hyper	CHH	0.0347
Gm17	3869533	3869965 Gmdrm	hyper	CHH	0.0261
Gm17	3876418	3876810 Gmdrm	hyper	CHH	0.028
Gm17	3887158	3888127 Gmdrm	hyper	CHH	0.0395
Gm17	4005994	4006329 Gmdrm	hyper	CHH	0.05
Gm17	4021983	4022171 Gmdrm	hyper	CHH	0.07
Gm17	4024248	4024911 Gmdrm	hyper	CHH	0.0369
Gm17	4026100	4027087 Gmdrm	hyper	CHH	0.014
Gm17	4076871	4077061 Gmdrm	hyper	CHH	0.0237
Gm17	4113545	4114538 Gmdrm	hyper	CHH	0.0574
Gm17	4166401	4166712 Gmdrm	hyper	CHH	0.0294
Gm17	4261757	4262161 Gmdrm	hyper	CHH	0.0648
Gm17	4274189	4275181 Gmdrm	hyper	CHH	0.0226
Gm17	4298719	4299705 Gmdrm	hyper	CHH	0.0178
Gm17	4361160	4361913 Gmdrm	hyper	CHH	0.0217
Gm17	4387026	4388022 Gmdrm	hyper	CHH	0.0242
Gm17	4391856	4392700 Gmdrm	hyper	CHH	0.031
Gm17	4397961	4398951 Gmdrm	hyper	CHH	0.0094
Gm17	4429514	4430507 Gmdrm	hyper	CHH	0.0121
Gm17	4465254	4466234 Gmdrm	hyper	CHH	0.0183
Gm17	4469329	4469666 Gmdrm	hyper	CHH	0.0612
Gm17	4487583	4488580 Gmdrm	hyper	CHH	0.0223
Gm17	4557282	4558260 Gmdrm	hyper	CHH	0.0169
Gm17	4612198	4613193 Gmdrm	hyper	CHH	0.0112
Gm17	4827241	4828219 Gmdrm	hyper	CHH	0.0247
Gm17	4908057	4909049 Gmdrm	hyper	CHH	0.0127
Gm17	4929451	4930087 Gmdrm	hyper	CHH	0.0396
Gm17	4942852	4943436 Gmdrm	hyper	CHH	0.0229

Gm17	4958081	4959078	Gmdrm	hyper	CHH	0.0202
Gm17	4999286	5000212	Gmdrm	hyper	CHH	0.0149
Gm17	5022510	5023462	Gmdrm	hyper	CHH	0.0134
Gm17	5055869	5056095	Gmdrm	hyper	CHH	0.0362
Gm17	5125346	5126344	Gmdrm	hyper	CHH	0.0301
Gm17	5129534	5130526	Gmdrm	hyper	CHH	0.0092
Gm17	5138960	5139937	Gmdrm	hyper	CHH	0.014
Gm17	5183504	5184127	Gmdrm	hyper	CHH	0.0197
Gm17	5239065	5240041	Gmdrm	hyper	CHH	0.0241
Gm17	5275097	5276093	Gmdrm	hyper	CHH	0.0099
Gm17	5278452	5279434	Gmdrm	hyper	CHH	0.0133
Gm17	5286020	5286989	Gmdrm	hyper	CHH	0.0215
Gm17	5321292	5322280	Gmdrm	hyper	CHH	0.0166
Gm17	5340000	5340582	Gmdrm	hyper	CHH	0.0253
Gm17	5344258	5345255	Gmdrm	hyper	CHH	0.0128
Gm17	5369990	5370578	Gmdrm	hyper	CHH	0.023
Gm17	5374408	5374569	Gmdrm	hyper	CHH	0.066
Gm17	5380879	5381816	Gmdrm	hyper	CHH	0.0127
Gm17	5382980	5383356	Gmdrm	hyper	CHH	0.0261
Gm17	5408643	5409041	Gmdrm	hyper	CHH	0.0333
Gm17	5431347	5432143	Gmdrm	hyper	CHH	0.0225
Gm17	5436940	5437936	Gmdrm	hyper	CHH	0.018
Gm17	5442088	5442537	Gmdrm	hyper	CHH	0.0242
Gm17	5442662	5443644	Gmdrm	hyper	CHH	0.0162
Gm17	5455961	5456210	Gmdrm	hyper	CHH	0.0196
Gm17	5507141	5507409	Gmdrm	hyper	CHH	0.0259
Gm17	5527810	5528093	Gmdrm	hyper	CHH	0.0389
Gm17	5534714	5535660	Gmdrm	hyper	CHH	0.0138
Gm17	5610403	5610517	Gmdrm	hyper	CHH	0.0533
Gm17	5641867	5642340	Gmdrm	hyper	CHH	0.0463
Gm17	5654129	5654296	Gmdrm	hyper	CHH	0.0387
Gm17	5740522	5740657	Gmdrm	hyper	CHH	0.04
Gm17	5846059	5847004	Gmdrm	hyper	CHH	0.0324
Gm17	5849398	5850370	Gmdrm	hyper	CHH	0.019
Gm17	5856882	5857873	Gmdrm	hyper	CHH	0.011
Gm17	5926705	5927627	Gmdrm	hyper	CHH	0.0139
Gm17	5971313	5972294	Gmdrm	hyper	CHH	0.0275
Gm17	5978473	5978725	Gmdrm	hyper	CHH	0.0647
Gm17	6126765	6127748	Gmdrm	hyper	CHH	0.0181
Gm17	6135879	6136866	Gmdrm	hyper	CHH	0.0449
Gm17	6161163	6162130	Gmdrm	hyper	CHH	0.0221
Gm17	6181603	6182602	Gmdrm	hyper	CHH	0.0113
Gm17	6189227	6189373	Gmdrm	hyper	CHH	0.112
Gm17	6193640	6193805	Gmdrm	hyper	CHH	0.0484
Gm17	6217500	6218492	Gmdrm	hyper	CHH	0.0163
Gm17	6284589	6285079	Gmdrm	hyper	CHH	0.0204

Gm17	6409670	6410168	Gmdrm	hyper	CHH	0.0579
Gm17	6430210	6431210	Gmdrm	hyper	CHH	0.0436
Gm17	6445033	6446020	Gmdrm	hyper	CHH	0.0181
Gm17	6446061	6447059	Gmdrm	hyper	CHH	0.0148
Gm17	6458409	6458855	Gmdrm	hyper	CHH	0.051
Gm17	6505885	6506538	Gmdrm	hyper	CHH	0.026
Gm17	6550586	6551096	Gmdrm	hyper	CHH	0.0337
Gm17	6559759	6560741	Gmdrm	hyper	CHH	0.0109
Gm17	6563354	6563709	Gmdrm	hyper	CHH	0.0597
Gm17	6571421	6572415	Gmdrm	hyper	CHH	0.0189
Gm17	6585818	6586795	Gmdrm	hyper	CHH	0.0323
Gm17	6645109	6646109	Gmdrm	hyper	CHH	0.0256
Gm17	6669613	6670595	Gmdrm	hyper	CHH	0.0144
Gm17	6672468	6673448	Gmdrm	hyper	CHH	0.0186
Gm17	6852352	6852620	Gmdrm	hyper	CHH	0.043
Gm17	6918254	6918305	Gmdrm	hyper	CHH	0.0417
Gm17	6939916	6940671	Gmdrm	hyper	CHH	0.048
Gm17	6975849	6976817	Gmdrm	hyper	CHH	0.0294
Gm17	7027410	7028353	Gmdrm	hyper	CHH	0.0205
Gm17	7102650	7103648	Gmdrm	hyper	CHH	0.0103
Gm17	7113899	7114882	Gmdrm	hyper	CHH	0.0302
Gm17	7143286	7144279	Gmdrm	hyper	CHH	0.0188
Gm17	7160515	7161510	Gmdrm	hyper	CHH	0.0152
Gm17	7225249	7226238	Gmdrm	hyper	CHH	0.0259
Gm17	7274669	7275641	Gmdrm	hyper	CHH	0.013
Gm17	7327645	7328645	Gmdrm	hyper	CHH	0.016
Gm17	7337700	7338698	Gmdrm	hyper	CHH	0.0244
Gm17	7386247	7387196	Gmdrm	hyper	CHH	0.0194
Gm17	7399050	7400048	Gmdrm	hyper	CHH	0.0104
Gm17	7402100	7403060	Gmdrm	hyper	CHH	0.0285
Gm17	7464071	7464357	Gmdrm	hyper	CHH	0.0733
Gm17	7466267	7466769	Gmdrm	hyper	CHH	0.0246
Gm17	7507687	7507995	Gmdrm	hyper	CHH	0.0523
Gm17	7533580	7534571	Gmdrm	hyper	CHH	0.0164
Gm17	7535588	7535795	Gmdrm	hyper	CHH	0.0386
Gm17	7544336	7545307	Gmdrm	hyper	CHH	0.0367
Gm17	7557087	7558081	Gmdrm	hyper	CHH	0.0128
Gm17	7586255	7587254	Gmdrm	hyper	CHH	0.0161
Gm17	7596150	7596596	Gmdrm	hyper	CHH	0.0423
Gm17	7608305	7609143	Gmdrm	hyper	CHH	0.0159
Gm17	7641077	7642067	Gmdrm	hyper	CHH	0.0158
Gm17	7696304	7697291	Gmdrm	hyper	CHH	0.0117
Gm17	7720366	7720817	Gmdrm	hyper	CHH	0.0348
Gm17	7867043	7867142	Gmdrm	hyper	CHH	0.0546
Gm17	7923623	7924554	Gmdrm	hyper	CHH	0.0191
Gm17	7932753	7932877	Gmdrm	hyper	CHH	0.102

Gm17	7943260	7943659	Gmdrm	hyper	CHH	0.0446
Gm17	8028051	8029038	Gmdrm	hyper	CHH	0.0192
Gm17	8081051	8082036	Gmdrm	hyper	CHH	0.0261
Gm17	8109664	8110027	Gmdrm	hyper	CHH	0.0275
Gm17	8110999	8111980	Gmdrm	hyper	CHH	0.0236
Gm17	8129665	8130655	Gmdrm	hyper	CHH	0.0146
Gm17	8140947	8141946	Gmdrm	hyper	CHH	0.0234
Gm17	8182043	8182795	Gmdrm	hyper	CHH	0.0191
Gm17	8186305	8187286	Gmdrm	hyper	CHH	0.0125
Gm17	8233306	8234299	Gmdrm	hyper	CHH	0.0208
Gm17	8274706	8275357	Gmdrm	hyper	CHH	0.03
Gm17	8417730	8418725	Gmdrm	hyper	CHH	0.0165
Gm17	8437626	8438609	Gmdrm	hyper	CHH	0.02
Gm17	8496685	8497685	Gmdrm	hyper	CHH	0.0202
Gm17	8508505	8509494	Gmdrm	hyper	CHH	0.0169
Gm17	8538106	8538951	Gmdrm	hyper	CHH	0.0123
Gm17	8540088	8541080	Gmdrm	hyper	CHH	0.015
Gm17	8548489	8548613	Gmdrm	hyper	CHH	0.0475
Gm17	8574487	8575482	Gmdrm	hyper	CHH	0.0216
Gm17	8579287	8579746	Gmdrm	hyper	CHH	0.0407
Gm17	8592265	8593264	Gmdrm	hyper	CHH	0.0094
Gm17	8658503	8659502	Gmdrm	hyper	CHH	0.018
Gm17	8659506	8660488	Gmdrm	hyper	CHH	0.0338
Gm17	8664971	8665960	Gmdrm	hyper	CHH	0.0177
Gm17	8675293	8676231	Gmdrm	hyper	CHH	0.0179
Gm17	8705439	8706379	Gmdrm	hyper	CHH	0.0173
Gm17	8707961	8708960	Gmdrm	hyper	CHH	0.0126
Gm17	8764411	8765158	Gmdrm	hyper	CHH	0.0172
Gm17	8781935	8782934	Gmdrm	hyper	CHH	0.0139
Gm17	8841528	8842525	Gmdrm	hyper	CHH	0.0262
Gm17	8842552	8843516	Gmdrm	hyper	CHH	0.0333
Gm17	8868145	8868405	Gmdrm	hyper	CHH	0.0455
Gm17	8896375	8896507	Gmdrm	hyper	CHH	0.148
Gm17	8914652	8915287	Gmdrm	hyper	CHH	0.0219
Gm17	8915570	8915662	Gmdrm	hyper	CHH	0.1
Gm17	8929455	8930455	Gmdrm	hyper	CHH	0.0271
Gm17	8977421	8978402	Gmdrm	hyper	CHH	0.0135
Gm17	9014478	9015471	Gmdrm	hyper	CHH	0.0154
Gm17	9086321	9087007	Gmdrm	hyper	CHH	0.0238
Gm17	9115799	9116784	Gmdrm	hyper	CHH	0.0206
Gm17	9121173	9121442	Gmdrm	hyper	CHH	0.0831
Gm17	9148371	9149344	Gmdrm	hyper	CHH	0.0155
Gm17	9191430	9192406	Gmdrm	hyper	CHH	0.0153
Gm17	9198955	9199913	Gmdrm	hyper	CHH	0.023
Gm17	9243031	9244005	Gmdrm	hyper	CHH	0.0195
Gm17	9265015	9265972	Gmdrm	hyper	CHH	0.0184

Gm17	9277837	9278811	Gmdrm	hyper	CHH	0.0134
Gm17	9280890	9281443	Gmdrm	hyper	CHH	0.0262
Gm17	9314469	9314552	Gmdrm	hyper	CHH	0.062
Gm17	9337726	9338602	Gmdrm	hyper	CHH	0.0167
Gm17	9354506	9355470	Gmdrm	hyper	CHH	0.0188
Gm17	9564846	9565841	Gmdrm	hyper	CHH	0.025
Gm17	9565860	9566391	Gmdrm	hyper	CHH	0.0198
Gm17	9618423	9619401	Gmdrm	hyper	CHH	0.034
Gm17	9684625	9684819	Gmdrm	hyper	CHH	0.16
Gm17	9738047	9739046	Gmdrm	hyper	CHH	0.016
Gm17	9767388	9768040	Gmdrm	hyper	CHH	0.0115
Gm17	9770825	9771813	Gmdrm	hyper	CHH	0.0162
Gm17	9795148	9795492	Gmdrm	hyper	CHH	0.0441
Gm17	9874343	9875333	Gmdrm	hyper	CHH	0.0272
Gm17	9927261	9928239	Gmdrm	hyper	CHH	0.0149
Gm17	9945701	9946692	Gmdrm	hyper	CHH	0.0171
Gm17	9966874	9966922	Gmdrm	hyper	CHH	0.06
Gm17	9970986	9971985	Gmdrm	hyper	CHH	0.0219
Gm17	10084234	10085221	Gmdrm	hyper	CHH	0.0134
Gm17	10140722	10140904	Gmdrm	hyper	CHH	0.046
Gm17	10240760	10241716	Gmdrm	hyper	CHH	0.0297
Gm17	10405969	10406927	Gmdrm	hyper	CHH	0.0324
Gm17	10533242	10534237	Gmdrm	hyper	CHH	0.022
Gm17	10550439	10551406	Gmdrm	hyper	CHH	0.0275
Gm17	10563024	10564004	Gmdrm	hyper	CHH	0.014
Gm17	10569752	10570751	Gmdrm	hyper	CHH	0.0143
Gm17	10611373	10612289	Gmdrm	hyper	CHH	0.0285
Gm17	10615151	10615643	Gmdrm	hyper	CHH	0.0345
Gm17	10619542	10620494	Gmdrm	hyper	CHH	0.0244
Gm17	10667124	10668069	Gmdrm	hyper	CHH	0.0204
Gm17	10688248	10689219	Gmdrm	hyper	CHH	0.0212
Gm17	10747160	10748143	Gmdrm	hyper	CHH	0.0202
Gm17	10795686	10796679	Gmdrm	hyper	CHH	0.0212
Gm17	10851037	10851582	Gmdrm	hyper	CHH	0.0302
Gm17	10863119	10863275	Gmdrm	hyper	CHH	0.0316
Gm17	10870736	10871732	Gmdrm	hyper	CHH	0.0138
Gm17	10923308	10924299	Gmdrm	hyper	CHH	0.0164
Gm17	10940674	10941225	Gmdrm	hyper	CHH	0.0119
Gm17	10978235	10979000	Gmdrm	hyper	CHH	0.0313
Gm17	10993643	10993991	Gmdrm	hyper	CHH	0.0471
Gm17	11221489	11222113	Gmdrm	hyper	CHH	0.0223
Gm17	11222215	11222585	Gmdrm	hyper	CHH	0.0385
Gm17	11296091	11296462	Gmdrm	hyper	CHH	0.0527
Gm17	11312015	11312939	Gmdrm	hyper	CHH	0.0137
Gm17	11349488	11350450	Gmdrm	hyper	CHH	0.0222
Gm17	11361991	11362990	Gmdrm	hyper	CHH	0.0171

Gm17	11363014	11363995	Gmdrm	hyper	CHH	0.0324
Gm17	11393562	11394550	Gmdrm	hyper	CHH	0.0138
Gm17	11410070	11411060	Gmdrm	hyper	CHH	0.0196
Gm17	11419190	11420186	Gmdrm	hyper	CHH	0.0285
Gm17	11420205	11420811	Gmdrm	hyper	CHH	0.0465
Gm17	11503165	11504144	Gmdrm	hyper	CHH	0.0145
Gm17	11506064	11507009	Gmdrm	hyper	CHH	0.0231
Gm17	11591367	11591834	Gmdrm	hyper	CHH	0.03
Gm17	11597275	11597752	Gmdrm	hyper	CHH	0.0449
Gm17	11601882	11602220	Gmdrm	hyper	CHH	0.0708
Gm17	11704308	11704846	Gmdrm	hyper	CHH	0.0197
Gm17	11710793	11711710	Gmdrm	hyper	CHH	0.0093
Gm17	11740221	11740728	Gmdrm	hyper	CHH	0.0211
Gm17	11767212	11768202	Gmdrm	hyper	CHH	0.0357
Gm17	11770262	11771261	Gmdrm	hyper	CHH	0.0189
Gm17	11806195	11807156	Gmdrm	hyper	CHH	0.0157
Gm17	11823281	11823405	Gmdrm	hyper	CHH	0.066
Gm17	11897857	11898834	Gmdrm	hyper	CHH	0.0159
Gm17	11899881	11900877	Gmdrm	hyper	CHH	0.0141
Gm17	12014300	12015295	Gmdrm	hyper	CHH	0.0196
Gm17	12021248	12022218	Gmdrm	hyper	CHH	0.012
Gm17	12022276	12023263	Gmdrm	hyper	CHH	0.0361
Gm17	12023281	12024082	Gmdrm	hyper	CHH	0.0331
Gm17	12026238	12027216	Gmdrm	hyper	CHH	0.0143
Gm17	12111674	12112634	Gmdrm	hyper	CHH	0.022
Gm17	12158737	12159312	Gmdrm	hyper	CHH	0.031
Gm17	12165899	12166894	Gmdrm	hyper	CHH	0.0221
Gm17	12187357	12188357	Gmdrm	hyper	CHH	0.019
Gm17	12188370	12188756	Gmdrm	hyper	CHH	0.0549
Gm17	12288953	12289952	Gmdrm	hyper	CHH	0.025
Gm17	12487150	12487868	Gmdrm	hyper	CHH	0.0368
Gm17	12505121	12505414	Gmdrm	hyper	CHH	0.0311
Gm17	12526272	12526754	Gmdrm	hyper	CHH	0.0232
Gm17	12527117	12528112	Gmdrm	hyper	CHH	0.0169
Gm17	12562553	12562831	Gmdrm	hyper	CHH	0.0343
Gm17	12563917	12564277	Gmdrm	hyper	CHH	0.0339
Gm17	12643584	12643633	Gmdrm	hyper	CHH	0.048
Gm17	12674826	12675762	Gmdrm	hyper	CHH	0.0154
Gm17	12705192	12706162	Gmdrm	hyper	CHH	0.0189
Gm17	12755149	12755488	Gmdrm	hyper	CHH	0.0314
Gm17	12836257	12836423	Gmdrm	hyper	CHH	0.03
Gm17	12874239	12875218	Gmdrm	hyper	CHH	0.0363
Gm17	12901029	12902027	Gmdrm	hyper	CHH	0.0134
Gm17	12914634	12915626	Gmdrm	hyper	CHH	0.017
Gm17	12964596	12965577	Gmdrm	hyper	CHH	0.0167
Gm17	12999229	13000214	Gmdrm	hyper	CHH	0.0456

Gm17	13023710	13023928	Gmdrm	hyper	CHH	0.0633
Gm17	13043141	13044122	Gmdrm	hyper	CHH	0.0148
Gm17	13107517	13108500	Gmdrm	hyper	CHH	0.0168
Gm17	13140413	13141176	Gmdrm	hyper	CHH	0.023
Gm17	13155452	13156223	Gmdrm	hyper	CHH	0.0286
Gm17	13169908	13170903	Gmdrm	hyper	CHH	0.0333
Gm17	13170924	13171256	Gmdrm	hyper	CHH	0.0448
Gm17	13199100	13200084	Gmdrm	hyper	CHH	0.0249
Gm17	13273006	13273785	Gmdrm	hyper	CHH	0.0325
Gm17	13276319	13277301	Gmdrm	hyper	CHH	0.0274
Gm17	13308697	13309148	Gmdrm	hyper	CHH	0.0293
Gm17	13313387	13314370	Gmdrm	hyper	CHH	0.0216
Gm17	13339492	13339704	Gmdrm	hyper	CHH	0.0558
Gm17	13475627	13475838	Gmdrm	hyper	CHH	0.03
Gm17	13481901	13482900	Gmdrm	hyper	CHH	0.0135
Gm17	13544218	13545218	Gmdrm	hyper	CHH	0.0114
Gm17	13556624	13556664	Gmdrm	hyper	CHH	0.0557
Gm17	13693386	13694318	Gmdrm	hyper	CHH	0.0621
Gm17	13733530	13734526	Gmdrm	hyper	CHH	0.0383
Gm17	13741289	13741844	Gmdrm	hyper	CHH	0.0315
Gm17	13750310	13750976	Gmdrm	hyper	CHH	0.0218
Gm17	13767880	13768843	Gmdrm	hyper	CHH	0.0137
Gm17	13800959	13801937	Gmdrm	hyper	CHH	0.0163
Gm17	13812699	13813413	Gmdrm	hyper	CHH	0.0223
Gm17	13820959	13821953	Gmdrm	hyper	CHH	0.0817
Gm17	13889113	13890109	Gmdrm	hyper	CHH	0.0176
Gm17	13914321	13915320	Gmdrm	hyper	CHH	0.0256
Gm17	14064265	14064366	Gmdrm	hyper	CHH	0.074
Gm17	14074077	14074319	Gmdrm	hyper	CHH	0.0246
Gm17	14090172	14090982	Gmdrm	hyper	CHH	0.0189
Gm17	14131675	14132672	Gmdrm	hyper	CHH	0.0176
Gm17	14195042	14196035	Gmdrm	hyper	CHH	0.0576
Gm17	14196044	14196516	Gmdrm	hyper	CHH	0.0706
Gm17	14199146	14200132	Gmdrm	hyper	CHH	0.0111
Gm17	14444028	14445022	Gmdrm	hyper	CHH	0.0188
Gm17	14455238	14455473	Gmdrm	hyper	CHH	0.05
Gm17	14549383	14550136	Gmdrm	hyper	CHH	0.0241
Gm17	14698968	14699596	Gmdrm	hyper	CHH	0.0129
Gm17	14739831	14740826	Gmdrm	hyper	CHH	0.0311
Gm17	15009913	15010208	Gmdrm	hyper	CHH	0.0217
Gm17	15059444	15060079	Gmdrm	hyper	CHH	0.0183
Gm17	15113379	15114378	Gmdrm	hyper	CHH	0.0199
Gm17	15150929	15151927	Gmdrm	hyper	CHH	0.0173
Gm17	15162452	15163389	Gmdrm	hyper	CHH	0.0161
Gm17	15270626	15270705	Gmdrm	hyper	CHH	0.066
Gm17	15325354	15325686	Gmdrm	hyper	CHH	0.1262

Gm17	15344164	15345137	Gmdrm	hyper	CHH	0.0439
Gm17	15383177	15383863	Gmdrm	hyper	CHH	0.025
Gm17	15484319	15485311	Gmdrm	hyper	CHH	0.0147
Gm17	15585441	15586428	Gmdrm	hyper	CHH	0.0202
Gm17	15672291	15672810	Gmdrm	hyper	CHH	0.034
Gm17	15840847	15841835	Gmdrm	hyper	CHH	0.0455
Gm17	15842355	15843250	Gmdrm	hyper	CHH	0.0537
Gm17	15881056	15882046	Gmdrm	hyper	CHH	0.0242
Gm17	16081196	16082188	Gmdrm	hyper	CHH	0.0362
Gm17	16128285	16128560	Gmdrm	hyper	CHH	0.1192
Gm17	16163294	16164293	Gmdrm	hyper	CHH	0.0459
Gm17	16197721	16198173	Gmdrm	hyper	CHH	0.017
Gm17	16201664	16202622	Gmdrm	hyper	CHH	0.0224
Gm17	16263566	16263725	Gmdrm	hyper	CHH	0.064
Gm17	16794436	16795243	Gmdrm	hyper	CHH	0.0762
Gm17	16900296	16900418	Gmdrm	hyper	CHH	0.3
Gm17	17172910	17173485	Gmdrm	hyper	CHH	0.0657
Gm17	17239655	17239722	Gmdrm	hyper	CHH	0.1914
Gm17	17279664	17279930	Gmdrm	hyper	CHH	0.2124
Gm17	17300616	17300844	Gmdrm	hyper	CHH	0.1296
Gm17	17640120	17640571	Gmdrm	hyper	CHH	0.0965
Gm17	17797373	17798372	Gmdrm	hyper	CHH	0.0608
Gm17	18092951	18093358	Gmdrm	hyper	CHH	0.0287
Gm17	18228742	18228918	Gmdrm	hyper	CHH	0.1446
Gm17	18298718	18299686	Gmdrm	hyper	CHH	0.0259
Gm17	18305790	18306553	Gmdrm	hyper	CHH	0.0436
Gm17	18366606	18367560	Gmdrm	hyper	CHH	0.0113
Gm17	18435865	18436865	Gmdrm	hyper	CHH	0.0139
Gm17	18440978	18441901	Gmdrm	hyper	CHH	0.0284
Gm17	18604216	18605212	Gmdrm	hyper	CHH	0.0123
Gm17	18615892	18616880	Gmdrm	hyper	CHH	0.0153
Gm17	18971414	18972405	Gmdrm	hyper	CHH	0.0614
Gm17	19034618	19035616	Gmdrm	hyper	CHH	0.0322
Gm17	19076422	19077408	Gmdrm	hyper	CHH	0.0402
Gm17	19158334	19158845	Gmdrm	hyper	CHH	0.0336
Gm17	19193139	19194121	Gmdrm	hyper	CHH	0.0397
Gm17	19209162	19209444	Gmdrm	hyper	CHH	0.025
Gm17	19250600	19251597	Gmdrm	hyper	CHH	0.0292
Gm17	19271690	19272686	Gmdrm	hyper	CHH	0.0436
Gm17	19397567	19398567	Gmdrm	hyper	CHH	0.0203
Gm17	19399978	19400975	Gmdrm	hyper	CHH	0.0328
Gm17	19850022	19850989	Gmdrm	hyper	CHH	0.0649
Gm17	19949226	19949806	Gmdrm	hyper	CHH	0.1254
Gm17	19999421	20000421	Gmdrm	hyper	CHH	0.0436
Gm17	20129657	20130653	Gmdrm	hyper	CHH	0.048
Gm17	20382811	20382923	Gmdrm	hyper	CHH	0.1991

Gm17	20578872	20579484	Gmdrm	hyper	CHH	0.0412
Gm17	20589089	20589405	Gmdrm	hyper	CHH	0.1716
Gm17	20664267	20665219	Gmdrm	hyper	CHH	0.0223
Gm17	20673353	20673720	Gmdrm	hyper	CHH	0.0542
Gm17	20705527	20705585	Gmdrm	hyper	CHH	0.1463
Gm17	20764103	20765099	Gmdrm	hyper	CHH	0.0424
Gm17	20801230	20801541	Gmdrm	hyper	CHH	0.0859
Gm17	21551682	21552273	Gmdrm	hyper	CHH	0.1103
Gm17	21601121	21601436	Gmdrm	hyper	CHH	0.1284
Gm17	21622265	21623124	Gmdrm	hyper	CHH	0.0579
Gm17	21959993	21960085	Gmdrm	hyper	CHH	0.2174
Gm17	22323761	22324758	Gmdrm	hyper	CHH	0.047
Gm17	22421676	22422662	Gmdrm	hyper	CHH	0.0254
Gm17	22433810	22434809	Gmdrm	hyper	CHH	0.0453
Gm17	22487278	22488277	Gmdrm	hyper	CHH	0.039
Gm17	22519579	22520427	Gmdrm	hyper	CHH	0.0582
Gm17	22572413	22573114	Gmdrm	hyper	CHH	0.104
Gm17	22616821	22617808	Gmdrm	hyper	CHH	0.0564
Gm17	22827562	22827785	Gmdrm	hyper	CHH	0.1593
Gm17	23019470	23020462	Gmdrm	hyper	CHH	0.0166
Gm17	23502007	23503002	Gmdrm	hyper	CHH	0.0444
Gm17	23615552	23616500	Gmdrm	hyper	CHH	0.0231
Gm17	23662182	23663178	Gmdrm	hyper	CHH	0.0018
Gm17	23839929	23840839	Gmdrm	hyper	CHH	0.0497
Gm17	23867382	23868368	Gmdrm	hyper	CHH	0.0148
Gm17	23881792	23882775	Gmdrm	hyper	CHH	0.018
Gm17	24049505	24050501	Gmdrm	hyper	CHH	0.0439
Gm17	24472115	24473104	Gmdrm	hyper	CHH	0.068
Gm17	24562417	24563030	Gmdrm	hyper	CHH	0.0227
Gm17	24589872	24590869	Gmdrm	hyper	CHH	0.0179
Gm17	24696456	24697446	Gmdrm	hyper	CHH	0.0685
Gm17	24803598	24803661	Gmdrm	hyper	CHH	0.254
Gm17	24857315	24858305	Gmdrm	hyper	CHH	0.0624
Gm17	25354519	25355519	Gmdrm	hyper	CHH	0.0668
Gm17	25406548	25407521	Gmdrm	hyper	CHH	0.1033
Gm17	25626928	25627122	Gmdrm	hyper	CHH	0.2018
Gm17	25757014	25758003	Gmdrm	hyper	CHH	0.0593
Gm17	25840773	25841498	Gmdrm	hyper	CHH	0.0832
Gm17	25867261	25867653	Gmdrm	hyper	CHH	0.0719
Gm17	25960875	25961866	Gmdrm	hyper	CHH	0.0919
Gm17	25969401	25970400	Gmdrm	hyper	CHH	0.07
Gm17	25971412	25972389	Gmdrm	hyper	CHH	0.0823
Gm17	25983393	25984385	Gmdrm	hyper	CHH	0.0511
Gm17	25985873	25986297	Gmdrm	hyper	CHH	0.0494
Gm17	25994501	25994721	Gmdrm	hyper	CHH	0.1327
Gm17	26010485	26011473	Gmdrm	hyper	CHH	0.0509

Gm17	26011812	26012807	Gmdrm	hyper	CHH	0.0559
Gm17	26020366	26021366	Gmdrm	hyper	CHH	0.0815
Gm17	26021371	26022363	Gmdrm	hyper	CHH	0.0696
Gm17	26022373	26023370	Gmdrm	hyper	CHH	0.0465
Gm17	26024397	26025381	Gmdrm	hyper	CHH	0.1008
Gm17	26025406	26026360	Gmdrm	hyper	CHH	0.0911
Gm17	26026418	26026790	Gmdrm	hyper	CHH	0.0737
Gm17	26026894	26027853	Gmdrm	hyper	CHH	0.028
Gm17	26029145	26030139	Gmdrm	hyper	CHH	0.0422
Gm17	26030150	26031150	Gmdrm	hyper	CHH	0.0576
Gm17	26031155	26032125	Gmdrm	hyper	CHH	0.0469
Gm17	26032167	26033167	Gmdrm	hyper	CHH	0.0715
Gm17	26033171	26034165	Gmdrm	hyper	CHH	0.0592
Gm17	26034175	26035162	Gmdrm	hyper	CHH	0.0325
Gm17	26035185	26036185	Gmdrm	hyper	CHH	0.091
Gm17	26036190	26037185	Gmdrm	hyper	CHH	0.0926
Gm17	26037193	26038190	Gmdrm	hyper	CHH	0.0854
Gm17	26038196	26039194	Gmdrm	hyper	CHH	0.0783
Gm17	26039197	26039451	Gmdrm	hyper	CHH	0.1052
Gm17	26039669	26040649	Gmdrm	hyper	CHH	0.0953
Gm17	26041277	26041779	Gmdrm	hyper	CHH	0.13
Gm17	26041980	26042977	Gmdrm	hyper	CHH	0.0327
Gm17	26042996	26043974	Gmdrm	hyper	CHH	0.0662
Gm17	26045027	26046017	Gmdrm	hyper	CHH	0.0457
Gm17	26054810	26055782	Gmdrm	hyper	CHH	0.0652
Gm17	26103991	26104987	Gmdrm	hyper	CHH	0.0574
Gm17	26145067	26146064	Gmdrm	hyper	CHH	0.0394
Gm17	26172744	26172809	Gmdrm	hyper	CHH	0.065
Gm17	26292209	26293204	Gmdrm	hyper	CHH	0.0543
Gm17	26298405	26299402	Gmdrm	hyper	CHH	0.0156
Gm17	26342364	26343360	Gmdrm	hyper	CHH	0.0412
Gm17	26533667	26534661	Gmdrm	hyper	CHH	0.0322
Gm17	26613291	26613413	Gmdrm	hyper	CHH	0.278
Gm17	26959851	26960821	Gmdrm	hyper	CHH	0.0297
Gm17	27160047	27161010	Gmdrm	hyper	CHH	0.023
Gm17	27348067	27348959	Gmdrm	hyper	CHH	0.021
Gm17	27460218	27460559	Gmdrm	hyper	CHH	0.0235
Gm17	27525110	27526004	Gmdrm	hyper	CHH	0.0228
Gm17	27586660	27587659	Gmdrm	hyper	CHH	0.0555
Gm17	27726718	27727700	Gmdrm	hyper	CHH	0.065
Gm17	27789159	27789474	Gmdrm	hyper	CHH	0.046
Gm17	27833047	27833860	Gmdrm	hyper	CHH	0.0945
Gm17	28002984	28003976	Gmdrm	hyper	CHH	0.0877
Gm17	28020934	28021612	Gmdrm	hyper	CHH	0.0858
Gm17	28114893	28115139	Gmdrm	hyper	CHH	0.1448
Gm17	28209448	28210405	Gmdrm	hyper	CHH	0.0529

Gm17	28259058	28259389	Gmdrm	hyper	CHH	0.1645
Gm17	28446189	28447183	Gmdrm	hyper	CHH	0.0636
Gm17	28514374	28514545	Gmdrm	hyper	CHH	0.1969
Gm17	28675320	28675474	Gmdrm	hyper	CHH	0.1678
Gm17	29007136	29008126	Gmdrm	hyper	CHH	0.0201
Gm17	29148775	29149762	Gmdrm	hyper	CHH	0.0363
Gm17	29150781	29151755	Gmdrm	hyper	CHH	0.0586
Gm17	29157611	29158609	Gmdrm	hyper	CHH	0.0805
Gm17	29161595	29162591	Gmdrm	hyper	CHH	0.0637
Gm17	29164619	29165596	Gmdrm	hyper	CHH	0.0804
Gm17	29166592	29167592	Gmdrm	hyper	CHH	0.0861
Gm17	29168597	29169596	Gmdrm	hyper	CHH	0.0697
Gm17	29169599	29170597	Gmdrm	hyper	CHH	0.0691
Gm17	29407560	29408558	Gmdrm	hyper	CHH	0.0543
Gm17	29478748	29478827	Gmdrm	hyper	CHH	0.1827
Gm17	30094048	30094113	Gmdrm	hyper	CHH	0.157
Gm17	30399387	30399520	Gmdrm	hyper	CHH	0.2445
Gm17	30732604	30733597	Gmdrm	hyper	CHH	0.0385
Gm17	30835834	30836745	Gmdrm	hyper	CHH	0.0368
Gm17	30977221	30978217	Gmdrm	hyper	CHH	0.0326
Gm17	31104190	31105147	Gmdrm	hyper	CHH	0.0115
Gm17	31169225	31170217	Gmdrm	hyper	CHH	0.029
Gm17	31224339	31225330	Gmdrm	hyper	CHH	0.0329
Gm17	31255985	31256983	Gmdrm	hyper	CHH	0.035
Gm17	31309514	31310503	Gmdrm	hyper	CHH	0.0498
Gm17	31387726	31388431	Gmdrm	hyper	CHH	0.0958
Gm17	31429236	31430232	Gmdrm	hyper	CHH	0.0502
Gm17	31735198	31736189	Gmdrm	hyper	CHH	0.0525
Gm17	31979030	31980029	Gmdrm	hyper	CHH	0.0534
Gm17	31999508	32000507	Gmdrm	hyper	CHH	0.0614
Gm17	32013394	32014385	Gmdrm	hyper	CHH	0.0252
Gm17	32074930	32075337	Gmdrm	hyper	CHH	0.0221
Gm17	32166457	32167453	Gmdrm	hyper	CHH	0.0159
Gm17	32229602	32230506	Gmdrm	hyper	CHH	0.0351
Gm17	32404038	32405005	Gmdrm	hyper	CHH	0.0344
Gm17	32449102	32450102	Gmdrm	hyper	CHH	0.0437
Gm17	32478088	32478723	Gmdrm	hyper	CHH	0.0409
Gm17	32556791	32556877	Gmdrm	hyper	CHH	0.176
Gm17	32622383	32622998	Gmdrm	hyper	CHH	0.0699
Gm17	32633774	32634751	Gmdrm	hyper	CHH	0.0414
Gm17	32719274	32720273	Gmdrm	hyper	CHH	0.0596
Gm17	33037773	33038019	Gmdrm	hyper	CHH	0.0921
Gm17	33111505	33112466	Gmdrm	hyper	CHH	0.0366
Gm17	33167809	33168788	Gmdrm	hyper	CHH	0.0128
Gm17	33196505	33197475	Gmdrm	hyper	CHH	0.02
Gm17	33205922	33206521	Gmdrm	hyper	CHH	0.0338

Gm17	33225931	33226922	Gmdrm	hyper	CHH	0.0617
Gm17	33254487	33255487	Gmdrm	hyper	CHH	0.0131
Gm17	33396451	33397447	Gmdrm	hyper	CHH	0.0155
Gm17	33474638	33475629	Gmdrm	hyper	CHH	0.0488
Gm17	33475642	33476640	Gmdrm	hyper	CHH	0.0404
Gm17	33485352	33486299	Gmdrm	hyper	CHH	0.0147
Gm17	33496140	33497094	Gmdrm	hyper	CHH	0.0323
Gm17	33694100	33695083	Gmdrm	hyper	CHH	0.0457
Gm17	33841082	33842065	Gmdrm	hyper	CHH	0.0244
Gm17	33853865	33854861	Gmdrm	hyper	CHH	0.0483
Gm17	33862421	33863189	Gmdrm	hyper	CHH	0.0501
Gm17	33904031	33905017	Gmdrm	hyper	CHH	0.0433
Gm17	33971823	33972806	Gmdrm	hyper	CHH	0.0292
Gm17	34008408	34009400	Gmdrm	hyper	CHH	0.0122
Gm17	34089781	34090232	Gmdrm	hyper	CHH	0.0283
Gm17	34122090	34123076	Gmdrm	hyper	CHH	0.0709
Gm17	34125162	34126160	Gmdrm	hyper	CHH	0.0533
Gm17	34418213	34419192	Gmdrm	hyper	CHH	0.0193
Gm17	34465139	34466056	Gmdrm	hyper	CHH	0.0295
Gm17	34547630	34548629	Gmdrm	hyper	CHH	0.0371
Gm17	34728684	34729661	Gmdrm	hyper	CHH	0.0175
Gm17	34795023	34795325	Gmdrm	hyper	CHH	0.085
Gm17	34796635	34797623	Gmdrm	hyper	CHH	0.026
Gm17	34874484	34875484	Gmdrm	hyper	CHH	0.0479
Gm17	34881674	34882261	Gmdrm	hyper	CHH	0.0366
Gm17	34882411	34883410	Gmdrm	hyper	CHH	0.0437
Gm17	34977940	34978921	Gmdrm	hyper	CHH	0.0533
Gm17	35117384	35118143	Gmdrm	hyper	CHH	0.0226
Gm17	35135094	35136089	Gmdrm	hyper	CHH	0.0605
Gm17	35172599	35173598	Gmdrm	hyper	CHH	0.0521
Gm17	35173620	35173928	Gmdrm	hyper	CHH	0.0669
Gm17	35174260	35175242	Gmdrm	hyper	CHH	0.0516
Gm17	35196009	35197003	Gmdrm	hyper	CHH	0.0649
Gm17	35218518	35219501	Gmdrm	hyper	CHH	0.0186
Gm17	35219547	35220544	Gmdrm	hyper	CHH	0.0557
Gm17	35252768	35253755	Gmdrm	hyper	CHH	0.0378
Gm17	35279001	35279050	Gmdrm	hyper	CHH	0.3
Gm17	35303322	35303353	Gmdrm	hyper	CHH	0.334
Gm17	35508559	35509552	Gmdrm	hyper	CHH	0.0307
Gm17	35552175	35553169	Gmdrm	hyper	CHH	0.027
Gm17	35567888	35568812	Gmdrm	hyper	CHH	0.0583
Gm17	35586359	35587358	Gmdrm	hyper	CHH	0.0328
Gm17	35625630	35626627	Gmdrm	hyper	CHH	0.0207
Gm17	35672520	35672794	Gmdrm	hyper	CHH	0.0342
Gm17	35789379	35789683	Gmdrm	hyper	CHH	0.0774
Gm17	36058204	36059199	Gmdrm	hyper	CHH	0.0383

Gm17	36061125	36062114	Gmdrm	hyper	CHH	0.1053
Gm17	36106285	36107284	Gmdrm	hyper	CHH	0.0546
Gm17	36280310	36281276	Gmdrm	hyper	CHH	0.0135
Gm17	36294227	36295227	Gmdrm	hyper	CHH	0.019
Gm17	36450894	36451560	Gmdrm	hyper	CHH	0.0186
Gm17	36452663	36453164	Gmdrm	hyper	CHH	0.0376
Gm17	36497662	36498657	Gmdrm	hyper	CHH	0.0405
Gm17	36522238	36522621	Gmdrm	hyper	CHH	0.0282
Gm17	36528179	36528606	Gmdrm	hyper	CHH	0.0682
Gm17	36606844	36607508	Gmdrm	hyper	CHH	0.0276
Gm17	36674892	36675888	Gmdrm	hyper	CHH	0.0126
Gm17	36688906	36689906	Gmdrm	hyper	CHH	0.0129
Gm17	36700161	36701153	Gmdrm	hyper	CHH	0.039
Gm17	36745977	36746965	Gmdrm	hyper	CHH	0.0111
Gm17	36788402	36789398	Gmdrm	hyper	CHH	0.0784
Gm17	36825135	36826131	Gmdrm	hyper	CHH	0.0234
Gm17	36827173	36827493	Gmdrm	hyper	CHH	0.0447
Gm17	36940659	36941065	Gmdrm	hyper	CHH	0.0358
Gm17	36990961	36991029	Gmdrm	hyper	CHH	0.145
Gm17	37117964	37118950	Gmdrm	hyper	CHH	0.0468
Gm17	37341747	37342739	Gmdrm	hyper	CHH	0.0488
Gm17	37399715	37400603	Gmdrm	hyper	CHH	0.052
Gm17	37523854	37524849	Gmdrm	hyper	CHH	0.0445
Gm17	37550495	37551493	Gmdrm	hyper	CHH	0.022
Gm17	37551497	37552497	Gmdrm	hyper	CHH	0.0169
Gm17	37556802	37557795	Gmdrm	hyper	CHH	0.0484
Gm17	37584156	37585130	Gmdrm	hyper	CHH	0.0166
Gm17	37585179	37585693	Gmdrm	hyper	CHH	0.0267
Gm17	37590390	37590552	Gmdrm	hyper	CHH	0.145
Gm17	37613038	37613507	Gmdrm	hyper	CHH	0.0603
Gm17	37619845	37620845	Gmdrm	hyper	CHH	0.0104
Gm17	37625931	37626901	Gmdrm	hyper	CHH	0.0191
Gm17	37653844	37654841	Gmdrm	hyper	CHH	0.0626
Gm17	37654846	37655845	Gmdrm	hyper	CHH	0.0771
Gm17	37657865	37658862	Gmdrm	hyper	CHH	0.0189
Gm17	37701991	37702356	Gmdrm	hyper	CHH	0.0612
Gm17	37770948	37771947	Gmdrm	hyper	CHH	0.0225
Gm17	37774618	37775615	Gmdrm	hyper	CHH	0.029
Gm17	37814417	37815395	Gmdrm	hyper	CHH	0.0158
Gm17	37879701	37880700	Gmdrm	hyper	CHH	0.0153
Gm17	37900039	37901031	Gmdrm	hyper	CHH	0.0173
Gm17	37912856	37913855	Gmdrm	hyper	CHH	0.0673
Gm17	37917199	37918192	Gmdrm	hyper	CHH	0.0904
Gm17	37977472	37978471	Gmdrm	hyper	CHH	0.065
Gm17	38039818	38040008	Gmdrm	hyper	CHH	0.108
Gm17	38072253	38072665	Gmdrm	hyper	CHH	0.0251

Gm17	38135406	38136375	Gmdrm	hyper	CHH	0.017
Gm17	38137489	38137598	Gmdrm	hyper	CHH	0.0911
Gm17	38163069	38164046	Gmdrm	hyper	CHH	0.0188
Gm17	38178923	38179922	Gmdrm	hyper	CHH	0.0225
Gm17	38389253	38389862	Gmdrm	hyper	CHH	0.0163
Gm17	38402681	38403681	Gmdrm	hyper	CHH	0.013
Gm17	38404711	38405708	Gmdrm	hyper	CHH	0.0162
Gm17	38493953	38494940	Gmdrm	hyper	CHH	0.0135
Gm17	38521257	38522239	Gmdrm	hyper	CHH	0.0275
Gm17	38575094	38575210	Gmdrm	hyper	CHH	0.0733
Gm17	38610347	38611342	Gmdrm	hyper	CHH	0.0123
Gm17	38630428	38630678	Gmdrm	hyper	CHH	0.0459
Gm17	38647082	38648076	Gmdrm	hyper	CHH	0.0168
Gm17	38691035	38692027	Gmdrm	hyper	CHH	0.0122
Gm17	38748242	38748514	Gmdrm	hyper	CHH	0.015
Gm17	38757216	38758200	Gmdrm	hyper	CHH	0.0184
Gm17	38788947	38789946	Gmdrm	hyper	CHH	0.0166
Gm17	38837585	38838291	Gmdrm	hyper	CHH	0.0241
Gm17	38840711	38841706	Gmdrm	hyper	CHH	0.021
Gm17	38867513	38868470	Gmdrm	hyper	CHH	0.0182
Gm17	38879676	38880169	Gmdrm	hyper	CHH	0.0228
Gm17	39016347	39017344	Gmdrm	hyper	CHH	0.0162
Gm17	39077087	39078059	Gmdrm	hyper	CHH	0.0117
Gm17	39171892	39172890	Gmdrm	hyper	CHH	0.0165
Gm17	39196084	39197073	Gmdrm	hyper	CHH	0.0391
Gm17	39219880	39220880	Gmdrm	hyper	CHH	0.0161
Gm17	39245748	39246748	Gmdrm	hyper	CHH	0.0147
Gm17	39284680	39285144	Gmdrm	hyper	CHH	0.0394
Gm17	39306176	39306375	Gmdrm	hyper	CHH	0.0838
Gm17	39313639	39314090	Gmdrm	hyper	CHH	0.0464
Gm17	39326374	39327373	Gmdrm	hyper	CHH	0.0233
Gm17	39330430	39331359	Gmdrm	hyper	CHH	0.0144
Gm17	39371478	39371732	Gmdrm	hyper	CHH	0.0465
Gm17	39378562	39379552	Gmdrm	hyper	CHH	0.0243
Gm17	39381989	39382542	Gmdrm	hyper	CHH	0.0234
Gm17	39421764	39422729	Gmdrm	hyper	CHH	0.0187
Gm17	39424526	39425516	Gmdrm	hyper	CHH	0.0144
Gm17	39452101	39452402	Gmdrm	hyper	CHH	0.05
Gm17	39460477	39461474	Gmdrm	hyper	CHH	0.0437
Gm17	39469289	39469803	Gmdrm	hyper	CHH	0.0219
Gm17	39505413	39505686	Gmdrm	hyper	CHH	0.0336
Gm17	39530076	39531074	Gmdrm	hyper	CHH	0.0327
Gm17	39694632	39695617	Gmdrm	hyper	CHH	0.0302
Gm17	39696667	39697638	Gmdrm	hyper	CHH	0.0198
Gm17	39736093	39736506	Gmdrm	hyper	CHH	0.0555
Gm17	39751580	39752276	Gmdrm	hyper	CHH	0.0397

Gm17	39860313	39860867	Gmdrm	hyper	CHH	0.0357
Gm17	39867772	39868744	Gmdrm	hyper	CHH	0.0151
Gm17	39918681	39919076	Gmdrm	hyper	CHH	0.0255
Gm17	39964691	39965687	Gmdrm	hyper	CHH	0.0129
Gm17	40005021	40005276	Gmdrm	hyper	CHH	0.047
Gm17	40022465	40023448	Gmdrm	hyper	CHH	0.0167
Gm17	40206173	40206580	Gmdrm	hyper	CHH	0.032
Gm17	40236369	40237067	Gmdrm	hyper	CHH	0.0264
Gm17	40268128	40268332	Gmdrm	hyper	CHH	0.0511
Gm17	40384893	40385892	Gmdrm	hyper	CHH	0.0121
Gm17	40460800	40461790	Gmdrm	hyper	CHH	0.0166
Gm17	40504435	40505433	Gmdrm	hyper	CHH	0.0155
Gm17	40524638	40525572	Gmdrm	hyper	CHH	0.0302
Gm17	40528611	40528831	Gmdrm	hyper	CHH	0.0266
Gm17	40542594	40543198	Gmdrm	hyper	CHH	0.023
Gm17	40547020	40547981	Gmdrm	hyper	CHH	0.0376
Gm17	40585390	40586362	Gmdrm	hyper	CHH	0.0203
Gm17	40646117	40647114	Gmdrm	hyper	CHH	0.0164
Gm17	40685262	40686229	Gmdrm	hyper	CHH	0.0153
Gm17	40690155	40690352	Gmdrm	hyper	CHH	0.0426
Gm17	40837797	40838797	Gmdrm	hyper	CHH	0.0241
Gm17	40848097	40848791	Gmdrm	hyper	CHH	0.0524
Gm17	40858241	40859237	Gmdrm	hyper	CHH	0.01
Gm17	40899172	40900159	Gmdrm	hyper	CHH	0.018
Gm17	40934755	40935748	Gmdrm	hyper	CHH	0.0121
Gm17	41022432	41023432	Gmdrm	hyper	CHH	0.0356
Gm17	41123380	41123531	Gmdrm	hyper	CHH	0.0583
Gm17	41123720	41124671	Gmdrm	hyper	CHH	0.036
Gm17	41142873	41143857	Gmdrm	hyper	CHH	0.0138
Gm17	41182578	41183561	Gmdrm	hyper	CHH	0.012
Gm17	41212276	41213081	Gmdrm	hyper	CHH	0.0217
Gm17	41227024	41228002	Gmdrm	hyper	CHH	0.0133
Gm17	41245457	41246455	Gmdrm	hyper	CHH	0.0138
Gm17	41265163	41265943	Gmdrm	hyper	CHH	0.0268
Gm17	41294753	41295608	Gmdrm	hyper	CHH	0.0167
Gm17	41299328	41300311	Gmdrm	hyper	CHH	0.0178
Gm17	41330096	41330333	Gmdrm	hyper	CHH	0.0257
Gm17	41387773	41388749	Gmdrm	hyper	CHH	0.0169
Gm17	41481805	41482801	Gmdrm	hyper	CHH	0.017
Gm17	41516570	41517570	Gmdrm	hyper	CHH	0.034
Gm17	41563839	41564810	Gmdrm	hyper	CHH	0.0229
Gm17	41566137	41567100	Gmdrm	hyper	CHH	0.0154
Gm17	41604479	41605460	Gmdrm	hyper	CHH	0.0324
Gm17	41632499	41633018	Gmdrm	hyper	CHH	0.0123
Gm17	41667257	41668244	Gmdrm	hyper	CHH	0.013
Gm18	7711	8702	Gmdrm	hyper	CHH	0.0257

Gm18	42410	42549	Gmdrm	hyper	CHH	0.0657
Gm18	128746	129199	Gmdrm	hyper	CHH	0.0316
Gm18	146763	147762	Gmdrm	hyper	CHH	0.0157
Gm18	148600	149583	Gmdrm	hyper	CHH	0.0266
Gm18	229390	230379	Gmdrm	hyper	CHH	0.0212
Gm18	236866	237852	Gmdrm	hyper	CHH	0.0194
Gm18	241392	242388	Gmdrm	hyper	CHH	0.0187
Gm18	288158	289158	Gmdrm	hyper	CHH	0.0232
Gm18	339706	340701	Gmdrm	hyper	CHH	0.026
Gm18	451376	452375	Gmdrm	hyper	CHH	0.0109
Gm18	458002	458782	Gmdrm	hyper	CHH	0.0219
Gm18	480592	481080	Gmdrm	hyper	CHH	0.0427
Gm18	484509	485509	Gmdrm	hyper	CHH	0.0141
Gm18	500503	501472	Gmdrm	hyper	CHH	0.0159
Gm18	512910	513354	Gmdrm	hyper	CHH	0.028
Gm18	532432	533432	Gmdrm	hyper	CHH	0.0285
Gm18	533435	534426	Gmdrm	hyper	CHH	0.1042
Gm18	535427	536418	Gmdrm	hyper	CHH	0.0879
Gm18	569953	570271	Gmdrm	hyper	CHH	0.0331
Gm18	608344	609331	Gmdrm	hyper	CHH	0.0187
Gm18	619936	620936	Gmdrm	hyper	CHH	0.0192
Gm18	652570	652671	Gmdrm	hyper	CHH	0.0513
Gm18	712163	713162	Gmdrm	hyper	CHH	0.0156
Gm18	746018	746649	Gmdrm	hyper	CHH	0.0315
Gm18	750194	751191	Gmdrm	hyper	CHH	0.0176
Gm18	751201	751640	Gmdrm	hyper	CHH	0.0157
Gm18	763555	764527	Gmdrm	hyper	CHH	0.0144
Gm18	771534	771922	Gmdrm	hyper	CHH	0.0165
Gm18	810680	811679	Gmdrm	hyper	CHH	0.0807
Gm18	811690	812681	Gmdrm	hyper	CHH	0.0712
Gm18	813442	814429	Gmdrm	hyper	CHH	0.0881
Gm18	814450	815442	Gmdrm	hyper	CHH	0.1419
Gm18	815458	816429	Gmdrm	hyper	CHH	0.1289
Gm18	829901	830039	Gmdrm	hyper	CHH	0.1825
Gm18	887361	888325	Gmdrm	hyper	CHH	0.0127
Gm18	942464	942877	Gmdrm	hyper	CHH	0.0195
Gm18	1022185	1022492	Gmdrm	hyper	CHH	0.0552
Gm18	1049458	1050009	Gmdrm	hyper	CHH	0.0246
Gm18	1055875	1056875	Gmdrm	hyper	CHH	0.0164
Gm18	1084661	1084948	Gmdrm	hyper	CHH	0.05
Gm18	1109766	1110731	Gmdrm	hyper	CHH	0.02
Gm18	1112398	1112996	Gmdrm	hyper	CHH	0.0398
Gm18	1140961	1141955	Gmdrm	hyper	CHH	0.0219
Gm18	1237708	1237872	Gmdrm	hyper	CHH	0.0511
Gm18	1241604	1242019	Gmdrm	hyper	CHH	0.0362
Gm18	1271263	1272234	Gmdrm	hyper	CHH	0.0121

Gm18	1329254	1330237	Gmdrm	hyper	CHH	0.0118
Gm18	1360708	1361703	Gmdrm	hyper	CHH	0.0165
Gm18	1375601	1376223	Gmdrm	hyper	CHH	0.019
Gm18	1393815	1394784	Gmdrm	hyper	CHH	0.0137
Gm18	1404190	1405186	Gmdrm	hyper	CHH	0.0161
Gm18	1410353	1411351	Gmdrm	hyper	CHH	0.0166
Gm18	1424908	1425906	Gmdrm	hyper	CHH	0.0182
Gm18	1458623	1459335	Gmdrm	hyper	CHH	0.0447
Gm18	1493533	1493978	Gmdrm	hyper	CHH	0.03
Gm18	1574619	1574982	Gmdrm	hyper	CHH	0.0289
Gm18	1599097	1600082	Gmdrm	hyper	CHH	0.0144
Gm18	1635934	1636510	Gmdrm	hyper	CHH	0.0456
Gm18	1684775	1685775	Gmdrm	hyper	CHH	0.0233
Gm18	1700553	1701077	Gmdrm	hyper	CHH	0.0228
Gm18	1751887	1752876	Gmdrm	hyper	CHH	0.0286
Gm18	1791421	1792404	Gmdrm	hyper	CHH	0.014
Gm18	1841084	1842081	Gmdrm	hyper	CHH	0.0206
Gm18	1850610	1851116	Gmdrm	hyper	CHH	0.0357
Gm18	1879979	1880976	Gmdrm	hyper	CHH	0.0171
Gm18	1888864	1888966	Gmdrm	hyper	CHH	0.0745
Gm18	1972405	1973405	Gmdrm	hyper	CHH	0.0183
Gm18	2023497	2024481	Gmdrm	hyper	CHH	0.0132
Gm18	2053468	2054363	Gmdrm	hyper	CHH	0.0179
Gm18	2081340	2082334	Gmdrm	hyper	CHH	0.013
Gm18	2134956	2135932	Gmdrm	hyper	CHH	0.02
Gm18	2144961	2145913	Gmdrm	hyper	CHH	0.0205
Gm18	2151069	2152067	Gmdrm	hyper	CHH	0.0117
Gm18	2156252	2157236	Gmdrm	hyper	CHH	0.0172
Gm18	2207656	2207910	Gmdrm	hyper	CHH	0.0394
Gm18	2244758	2245751	Gmdrm	hyper	CHH	0.0129
Gm18	2290141	2291131	Gmdrm	hyper	CHH	0.0104
Gm18	2358840	2359838	Gmdrm	hyper	CHH	0.0121
Gm18	2365905	2366518	Gmdrm	hyper	CHH	0.0278
Gm18	2486837	2487301	Gmdrm	hyper	CHH	0.0191
Gm18	2507443	2508103	Gmdrm	hyper	CHH	0.0279
Gm18	2605132	2606116	Gmdrm	hyper	CHH	0.0245
Gm18	2641213	2642201	Gmdrm	hyper	CHH	0.0123
Gm18	2689976	2690835	Gmdrm	hyper	CHH	0.0219
Gm18	2751549	2752308	Gmdrm	hyper	CHH	0.0208
Gm18	2752409	2753101	Gmdrm	hyper	CHH	0.0257
Gm18	2771362	2772362	Gmdrm	hyper	CHH	0.0196
Gm18	2825782	2826760	Gmdrm	hyper	CHH	0.0152
Gm18	2832685	2832793	Gmdrm	hyper	CHH	0.056
Gm18	2882548	2883542	Gmdrm	hyper	CHH	0.0106
Gm18	2902715	2903693	Gmdrm	hyper	CHH	0.0259
Gm18	2964296	2965280	Gmdrm	hyper	CHH	0.0186

Gm18	3058623	3059119	Gmdrm	hyper	CHH	0.0269
Gm18	3080413	3081397	Gmdrm	hyper	CHH	0.021
Gm18	3156756	3157740	Gmdrm	hyper	CHH	0.0137
Gm18	3185648	3186635	Gmdrm	hyper	CHH	0.012
Gm18	3207173	3208116	Gmdrm	hyper	CHH	0.0149
Gm18	3208202	3209165	Gmdrm	hyper	CHH	0.0143
Gm18	3217593	3218578	Gmdrm	hyper	CHH	0.0169
Gm18	3409946	3410943	Gmdrm	hyper	CHH	0.0116
Gm18	3430334	3431308	Gmdrm	hyper	CHH	0.0424
Gm18	3503274	3504270	Gmdrm	hyper	CHH	0.019
Gm18	3562060	3563051	Gmdrm	hyper	CHH	0.0131
Gm18	3576220	3577210	Gmdrm	hyper	CHH	0.0215
Gm18	3606195	3607085	Gmdrm	hyper	CHH	0.0216
Gm18	3655112	3655958	Gmdrm	hyper	CHH	0.0214
Gm18	3758639	3759638	Gmdrm	hyper	CHH	0.0123
Gm18	3763624	3764618	Gmdrm	hyper	CHH	0.0232
Gm18	3786208	3786581	Gmdrm	hyper	CHH	0.0409
Gm18	3815809	3816616	Gmdrm	hyper	CHH	0.0371
Gm18	3819539	3820034	Gmdrm	hyper	CHH	0.0479
Gm18	3846495	3847485	Gmdrm	hyper	CHH	0.0145
Gm18	3849753	3850150	Gmdrm	hyper	CHH	0.0148
Gm18	3878639	3879626	Gmdrm	hyper	CHH	0.055
Gm18	3890432	3891023	Gmdrm	hyper	CHH	0.0246
Gm18	3964785	3965782	Gmdrm	hyper	CHH	0.0109
Gm18	3978569	3979564	Gmdrm	hyper	CHH	0.0535
Gm18	3998780	3999764	Gmdrm	hyper	CHH	0.0192
Gm18	4023869	4024402	Gmdrm	hyper	CHH	0.0664
Gm18	4036968	4037963	Gmdrm	hyper	CHH	0.0131
Gm18	4091305	4091355	Gmdrm	hyper	CHH	0.0467
Gm18	4135150	4135657	Gmdrm	hyper	CHH	0.0363
Gm18	4137863	4138860	Gmdrm	hyper	CHH	0.0165
Gm18	4275290	4276287	Gmdrm	hyper	CHH	0.031
Gm18	4292434	4292725	Gmdrm	hyper	CHH	0.0304
Gm18	4302659	4302863	Gmdrm	hyper	CHH	0.0236
Gm18	4388617	4389591	Gmdrm	hyper	CHH	0.0184
Gm18	4390769	4391734	Gmdrm	hyper	CHH	0.0626
Gm18	4428936	4429924	Gmdrm	hyper	CHH	0.0581
Gm18	4446142	4447124	Gmdrm	hyper	CHH	0.0112
Gm18	4456838	4457791	Gmdrm	hyper	CHH	0.0226
Gm18	4485175	4486161	Gmdrm	hyper	CHH	0.0162
Gm18	4651143	4652125	Gmdrm	hyper	CHH	0.025
Gm18	4660607	4660985	Gmdrm	hyper	CHH	0.0282
Gm18	4687315	4688303	Gmdrm	hyper	CHH	0.0256
Gm18	4729697	4730687	Gmdrm	hyper	CHH	0.0138
Gm18	4749233	4749915	Gmdrm	hyper	CHH	0.0456
Gm18	4824155	4824995	Gmdrm	hyper	CHH	0.023

Gm18	4828218	4829204	Gmdrm	hyper	CHH	0.018
Gm18	4868494	4868651	Gmdrm	hyper	CHH	0.036
Gm18	4950036	4951024	Gmdrm	hyper	CHH	0.0218
Gm18	4959728	4960724	Gmdrm	hyper	CHH	0.013
Gm18	5015046	5015987	Gmdrm	hyper	CHH	0.0178
Gm18	5066928	5067927	Gmdrm	hyper	CHH	0.0611
Gm18	5084306	5085024	Gmdrm	hyper	CHH	0.0506
Gm18	5093863	5094853	Gmdrm	hyper	CHH	0.0181
Gm18	5103087	5103289	Gmdrm	hyper	CHH	0.0252
Gm18	5105480	5106479	Gmdrm	hyper	CHH	0.0214
Gm18	5173689	5174679	Gmdrm	hyper	CHH	0.0137
Gm18	5224676	5225675	Gmdrm	hyper	CHH	0.0179
Gm18	5315326	5316296	Gmdrm	hyper	CHH	0.0257
Gm18	5363678	5364666	Gmdrm	hyper	CHH	0.017
Gm18	5468270	5469262	Gmdrm	hyper	CHH	0.0103
Gm18	5518612	5519168	Gmdrm	hyper	CHH	0.0293
Gm18	5549616	5550612	Gmdrm	hyper	CHH	0.0114
Gm18	5587150	5588034	Gmdrm	hyper	CHH	0.033
Gm18	5610709	5611699	Gmdrm	hyper	CHH	0.0208
Gm18	5611714	5612061	Gmdrm	hyper	CHH	0.0513
Gm18	5690332	5690689	Gmdrm	hyper	CHH	0.0283
Gm18	5721041	5721872	Gmdrm	hyper	CHH	0.0208
Gm18	5775881	5776881	Gmdrm	hyper	CHH	0.0566
Gm18	5810221	5811221	Gmdrm	hyper	CHH	0.0174
Gm18	5900742	5901730	Gmdrm	hyper	CHH	0.008
Gm18	5916962	5917394	Gmdrm	hyper	CHH	0.0436
Gm18	5969095	5970031	Gmdrm	hyper	CHH	0.0224
Gm18	5983838	5984838	Gmdrm	hyper	CHH	0.02
Gm18	5986607	5987580	Gmdrm	hyper	CHH	0.0308
Gm18	6001061	6002036	Gmdrm	hyper	CHH	0.0189
Gm18	6046119	6046210	Gmdrm	hyper	CHH	0.0462
Gm18	6155010	6155970	Gmdrm	hyper	CHH	0.0142
Gm18	6180765	6181708	Gmdrm	hyper	CHH	0.0199
Gm18	6226057	6227048	Gmdrm	hyper	CHH	0.0158
Gm18	6229096	6229193	Gmdrm	hyper	CHH	0.0338
Gm18	6329071	6330055	Gmdrm	hyper	CHH	0.0282
Gm18	6354451	6355428	Gmdrm	hyper	CHH	0.024
Gm18	6364192	6365189	Gmdrm	hyper	CHH	0.0123
Gm18	6443560	6444548	Gmdrm	hyper	CHH	0.0171
Gm18	6516992	6517983	Gmdrm	hyper	CHH	0.02
Gm18	6547144	6547767	Gmdrm	hyper	CHH	0.0343
Gm18	6562984	6563341	Gmdrm	hyper	CHH	0.0623
Gm18	6572312	6573099	Gmdrm	hyper	CHH	0.0195
Gm18	6602369	6603326	Gmdrm	hyper	CHH	0.015
Gm18	6616635	6617629	Gmdrm	hyper	CHH	0.0273
Gm18	6619243	6620009	Gmdrm	hyper	CHH	0.0364

Gm18	6621764	6622330	Gmdrm	hyper	CHH	0.024
Gm18	6624488	6625058	Gmdrm	hyper	CHH	0.021
Gm18	6641284	6642266	Gmdrm	hyper	CHH	0.0243
Gm18	6656136	6656561	Gmdrm	hyper	CHH	0.0294
Gm18	6674310	6675274	Gmdrm	hyper	CHH	0.02
Gm18	7035284	7036272	Gmdrm	hyper	CHH	0.0139
Gm18	7081243	7082220	Gmdrm	hyper	CHH	0.0354
Gm18	7089331	7090323	Gmdrm	hyper	CHH	0.0106
Gm18	7158440	7158844	Gmdrm	hyper	CHH	0.0512
Gm18	7212335	7213334	Gmdrm	hyper	CHH	0.0612
Gm18	7227648	7228647	Gmdrm	hyper	CHH	0.0151
Gm18	7394210	7395062	Gmdrm	hyper	CHH	0.0158
Gm18	7400276	7401243	Gmdrm	hyper	CHH	0.0296
Gm18	7421001	7422000	Gmdrm	hyper	CHH	0.0191
Gm18	7446730	7447692	Gmdrm	hyper	CHH	0.0143
Gm18	7495654	7496277	Gmdrm	hyper	CHH	0.0309
Gm18	7549826	7550826	Gmdrm	hyper	CHH	0.012
Gm18	7620411	7621408	Gmdrm	hyper	CHH	0.0175
Gm18	7651493	7652490	Gmdrm	hyper	CHH	0.0164
Gm18	7686758	7687755	Gmdrm	hyper	CHH	0.0459
Gm18	7687773	7688765	Gmdrm	hyper	CHH	0.0909
Gm18	7688775	7689774	Gmdrm	hyper	CHH	0.0523
Gm18	7763265	7764224	Gmdrm	hyper	CHH	0.0186
Gm18	7790338	7790694	Gmdrm	hyper	CHH	0.1221
Gm18	7828463	7829459	Gmdrm	hyper	CHH	0.0543
Gm18	7852003	7852372	Gmdrm	hyper	CHH	0.0281
Gm18	7855550	7856513	Gmdrm	hyper	CHH	0.0314
Gm18	8098355	8098500	Gmdrm	hyper	CHH	0.0374
Gm18	8111252	8111822	Gmdrm	hyper	CHH	0.0776
Gm18	8111925	8112921	Gmdrm	hyper	CHH	0.0478
Gm18	8124581	8125578	Gmdrm	hyper	CHH	0.0901
Gm18	8137705	8138698	Gmdrm	hyper	CHH	0.0276
Gm18	8150942	8151940	Gmdrm	hyper	CHH	0.0726
Gm18	8153662	8154652	Gmdrm	hyper	CHH	0.074
Gm18	8241209	8242209	Gmdrm	hyper	CHH	0.053
Gm18	8246598	8247596	Gmdrm	hyper	CHH	0.0512
Gm18	8342371	8342410	Gmdrm	hyper	CHH	0.0333
Gm18	8347577	8347777	Gmdrm	hyper	CHH	0.02
Gm18	8385949	8386933	Gmdrm	hyper	CHH	0.0157
Gm18	8448580	8449573	Gmdrm	hyper	CHH	0.027
Gm18	8467789	8468775	Gmdrm	hyper	CHH	0.0131
Gm18	8515549	8516478	Gmdrm	hyper	CHH	0.0196
Gm18	8586001	8586509	Gmdrm	hyper	CHH	0.0277
Gm18	8614796	8615761	Gmdrm	hyper	CHH	0.0631
Gm18	8632525	8633500	Gmdrm	hyper	CHH	0.0912
Gm18	8762065	8763058	Gmdrm	hyper	CHH	0.0624

Gm18	8869109	8869915	Gmdrm	hyper	CHH	0.0173
Gm18	8876126	8876613	Gmdrm	hyper	CHH	0.0467
Gm18	8953689	8954687	Gmdrm	hyper	CHH	0.0333
Gm18	9057776	9058772	Gmdrm	hyper	CHH	0.0445
Gm18	9117526	9118020	Gmdrm	hyper	CHH	0.0421
Gm18	9136208	9137193	Gmdrm	hyper	CHH	0.0168
Gm18	9148665	9149608	Gmdrm	hyper	CHH	0.0239
Gm18	9257238	9258225	Gmdrm	hyper	CHH	0.0163
Gm18	9418191	9419182	Gmdrm	hyper	CHH	0.038
Gm18	9434653	9435638	Gmdrm	hyper	CHH	0.0415
Gm18	9442027	9442133	Gmdrm	hyper	CHH	0.0675
Gm18	9464658	9465645	Gmdrm	hyper	CHH	0.0215
Gm18	9478232	9479200	Gmdrm	hyper	CHH	0.0301
Gm18	9527272	9528257	Gmdrm	hyper	CHH	0.0047
Gm18	9627959	9628689	Gmdrm	hyper	CHH	0.0206
Gm18	9680576	9680655	Gmdrm	hyper	CHH	0.0428
Gm18	9734456	9734669	Gmdrm	hyper	CHH	0.0442
Gm18	9734854	9735167	Gmdrm	hyper	CHH	0.0518
Gm18	9743025	9744019	Gmdrm	hyper	CHH	0.0224
Gm18	9813621	9814616	Gmdrm	hyper	CHH	0.0164
Gm18	10109174	10110170	Gmdrm	hyper	CHH	0.037
Gm18	10110177	10111168	Gmdrm	hyper	CHH	0.0465
Gm18	10111179	10112173	Gmdrm	hyper	CHH	0.037
Gm18	10112180	10113170	Gmdrm	hyper	CHH	0.0264
Gm18	10116270	10117265	Gmdrm	hyper	CHH	0.0358
Gm18	10153559	10154558	Gmdrm	hyper	CHH	0.0107
Gm18	10176444	10177435	Gmdrm	hyper	CHH	0.0177
Gm18	10177987	10178985	Gmdrm	hyper	CHH	0.0317
Gm18	10186045	10186991	Gmdrm	hyper	CHH	0.0685
Gm18	10259678	10260678	Gmdrm	hyper	CHH	0.0292
Gm18	10385865	10386863	Gmdrm	hyper	CHH	0.017
Gm18	10449115	10450115	Gmdrm	hyper	CHH	0.02
Gm18	10454536	10455513	Gmdrm	hyper	CHH	0.0359
Gm18	10455541	10456540	Gmdrm	hyper	CHH	0.0213
Gm18	10460796	10460915	Gmdrm	hyper	CHH	0.1443
Gm18	10518280	10518979	Gmdrm	hyper	CHH	0.0722
Gm18	10558080	10559067	Gmdrm	hyper	CHH	0.0393
Gm18	10570611	10571605	Gmdrm	hyper	CHH	0.0147
Gm18	10610572	10611572	Gmdrm	hyper	CHH	0.0306
Gm18	10612970	10613970	Gmdrm	hyper	CHH	0.0251
Gm18	10665527	10666499	Gmdrm	hyper	CHH	0.0228
Gm18	10718612	10719600	Gmdrm	hyper	CHH	0.015
Gm18	10737002	10738000	Gmdrm	hyper	CHH	0.0135
Gm18	10758472	10759470	Gmdrm	hyper	CHH	0.0552
Gm18	10778923	10779323	Gmdrm	hyper	CHH	0.0195
Gm18	10783302	10784284	Gmdrm	hyper	CHH	0.0239

Gm18	11055327	11055616	Gmdrm	hyper	CHH	0.031
Gm18	11288431	11288717	Gmdrm	hyper	CHH	0.0223
Gm18	11331257	11331280	Gmdrm	hyper	CHH	0.052
Gm18	11354318	11355087	Gmdrm	hyper	CHH	0.0364
Gm18	11380978	11381966	Gmdrm	hyper	CHH	0.0456
Gm18	11425506	11426491	Gmdrm	hyper	CHH	0.0192
Gm18	11455383	11456185	Gmdrm	hyper	CHH	0.0327
Gm18	11667425	11668378	Gmdrm	hyper	CHH	0.0139
Gm18	11766980	11767954	Gmdrm	hyper	CHH	0.014
Gm18	11852980	11853975	Gmdrm	hyper	CHH	0.0477
Gm18	11889617	11890603	Gmdrm	hyper	CHH	0.0144
Gm18	12048136	12049132	Gmdrm	hyper	CHH	0.013
Gm18	12130069	12131065	Gmdrm	hyper	CHH	0.0736
Gm18	12135836	12136831	Gmdrm	hyper	CHH	0.0968
Gm18	12136844	12137822	Gmdrm	hyper	CHH	0.0875
Gm18	12220406	12221406	Gmdrm	hyper	CHH	0.0504
Gm18	12234812	12235810	Gmdrm	hyper	CHH	0.0618
Gm18	12471583	12471817	Gmdrm	hyper	CHH	0.066
Gm18	12537690	12538690	Gmdrm	hyper	CHH	0.0153
Gm18	12554412	12555385	Gmdrm	hyper	CHH	0.0452
Gm18	12602830	12603817	Gmdrm	hyper	CHH	0.0544
Gm18	12603831	12604827	Gmdrm	hyper	CHH	0.0869
Gm18	12683496	12684036	Gmdrm	hyper	CHH	0.0225
Gm18	12697948	12698421	Gmdrm	hyper	CHH	0.0446
Gm18	12973078	12974073	Gmdrm	hyper	CHH	0.0309
Gm18	13041730	13042718	Gmdrm	hyper	CHH	0.0187
Gm18	13075702	13076667	Gmdrm	hyper	CHH	0.0275
Gm18	13122419	13123402	Gmdrm	hyper	CHH	0.024
Gm18	13166593	13167298	Gmdrm	hyper	CHH	0.0194
Gm18	13505437	13506431	Gmdrm	hyper	CHH	0.0372
Gm18	13650955	13651941	Gmdrm	hyper	CHH	0.0284
Gm18	13796153	13797121	Gmdrm	hyper	CHH	0.0708
Gm18	13942158	13942601	Gmdrm	hyper	CHH	0.0414
Gm18	13954297	13954674	Gmdrm	hyper	CHH	0.1574
Gm18	14109968	14110968	Gmdrm	hyper	CHH	0.0404
Gm18	14134243	14135238	Gmdrm	hyper	CHH	0.0476
Gm18	14167405	14168402	Gmdrm	hyper	CHH	0.0258
Gm18	14190808	14191587	Gmdrm	hyper	CHH	0.0386
Gm18	14341422	14342420	Gmdrm	hyper	CHH	0.0607
Gm18	14377846	14377901	Gmdrm	hyper	CHH	0.03
Gm18	14478874	14479860	Gmdrm	hyper	CHH	0.018
Gm18	14558678	14559094	Gmdrm	hyper	CHH	0.0457
Gm18	14563233	14563412	Gmdrm	hyper	CHH	0.06
Gm18	14566165	14567027	Gmdrm	hyper	CHH	0.0171
Gm18	14843050	14844034	Gmdrm	hyper	CHH	0.0104
Gm18	14915205	14916191	Gmdrm	hyper	CHH	0.0167

Gm18	14946087	14946553	Gmdrm	hyper	CHH	0.0141
Gm18	15009714	15010132	Gmdrm	hyper	CHH	0.0676
Gm18	15070047	15071043	Gmdrm	hyper	CHH	0.0429
Gm18	15092100	15092182	Gmdrm	hyper	CHH	0.144
Gm18	15115192	15116171	Gmdrm	hyper	CHH	0.0159
Gm18	15140489	15141486	Gmdrm	hyper	CHH	0.0425
Gm18	15347541	15348538	Gmdrm	hyper	CHH	0.0344
Gm18	15350583	15350792	Gmdrm	hyper	CHH	0.0377
Gm18	15403453	15404038	Gmdrm	hyper	CHH	0.0371
Gm18	15436348	15437348	Gmdrm	hyper	CHH	0.0239
Gm18	15459987	15460028	Gmdrm	hyper	CHH	0.3033
Gm18	15532800	15532843	Gmdrm	hyper	CHH	0.3425
Gm18	15716451	15717119	Gmdrm	hyper	CHH	0.0221
Gm18	15722483	15723481	Gmdrm	hyper	CHH	0.0098
Gm18	15745020	15746019	Gmdrm	hyper	CHH	0.0457
Gm18	15804861	15805840	Gmdrm	hyper	CHH	0.0252
Gm18	15829307	15829631	Gmdrm	hyper	CHH	0.02
Gm18	15841931	15842751	Gmdrm	hyper	CHH	0.0621
Gm18	15953643	15954362	Gmdrm	hyper	CHH	0.0175
Gm18	16115765	16116511	Gmdrm	hyper	CHH	0.014
Gm18	16166601	16167595	Gmdrm	hyper	CHH	0.0148
Gm18	16332362	16333032	Gmdrm	hyper	CHH	0.019
Gm18	16373304	16373409	Gmdrm	hyper	CHH	0.126
Gm18	16681877	16682872	Gmdrm	hyper	CHH	0.0186
Gm18	16682880	16683880	Gmdrm	hyper	CHH	0.0244
Gm18	16764443	16765441	Gmdrm	hyper	CHH	0.0478
Gm18	16776816	16777812	Gmdrm	hyper	CHH	0.0116
Gm18	16777838	16778822	Gmdrm	hyper	CHH	0.0193
Gm18	16811214	16812213	Gmdrm	hyper	CHH	0.0391
Gm18	16982453	16983450	Gmdrm	hyper	CHH	0.0243
Gm18	16996408	16997401	Gmdrm	hyper	CHH	0.0789
Gm18	17038051	17039019	Gmdrm	hyper	CHH	0.0147
Gm18	17040129	17041093	Gmdrm	hyper	CHH	0.041
Gm18	17069021	17070014	Gmdrm	hyper	CHH	0.0397
Gm18	17070022	17070971	Gmdrm	hyper	CHH	0.0463
Gm18	17151201	17152196	Gmdrm	hyper	CHH	0.0223
Gm18	17158652	17159649	Gmdrm	hyper	CHH	0.0154
Gm18	17239261	17240254	Gmdrm	hyper	CHH	0.0152
Gm18	17463936	17464108	Gmdrm	hyper	CHH	0.1463
Gm18	17544957	17545937	Gmdrm	hyper	CHH	0.0662
Gm18	17596690	17597449	Gmdrm	hyper	CHH	0.1474
Gm18	17650452	17651452	Gmdrm	hyper	CHH	0.0557
Gm18	17682690	17683690	Gmdrm	hyper	CHH	0.034
Gm18	17689386	17690386	Gmdrm	hyper	CHH	0.0555
Gm18	17737684	17738679	Gmdrm	hyper	CHH	0.045
Gm18	17851460	17852460	Gmdrm	hyper	CHH	0.042

Gm18	18079938	18080936	Gmdrm	hyper	CHH	0.0422
Gm18	18102044	18103024	Gmdrm	hyper	CHH	0.0835
Gm18	18103142	18104053	Gmdrm	hyper	CHH	0.0757
Gm18	18104204	18105201	Gmdrm	hyper	CHH	0.0354
Gm18	18107239	18108045	Gmdrm	hyper	CHH	0.029
Gm18	18156869	18157850	Gmdrm	hyper	CHH	0.0544
Gm18	18416756	18417755	Gmdrm	hyper	CHH	0.0451
Gm18	18428341	18429318	Gmdrm	hyper	CHH	0.0278
Gm18	18694090	18695085	Gmdrm	hyper	CHH	0.0298
Gm18	19064422	19064743	Gmdrm	hyper	CHH	0.0808
Gm18	19306232	19306633	Gmdrm	hyper	CHH	0.0347
Gm18	19358107	19359098	Gmdrm	hyper	CHH	0.0368
Gm18	19709550	19709660	Gmdrm	hyper	CHH	0.226
Gm18	19777289	19778270	Gmdrm	hyper	CHH	0.0166
Gm18	19867475	19867696	Gmdrm	hyper	CHH	0.1535
Gm18	19987609	19988609	Gmdrm	hyper	CHH	0.0342
Gm18	20201105	20202097	Gmdrm	hyper	CHH	0.0191
Gm18	20202108	20203107	Gmdrm	hyper	CHH	0.02
Gm18	20245440	20246437	Gmdrm	hyper	CHH	0.0145
Gm18	20285336	20286335	Gmdrm	hyper	CHH	0.0173
Gm18	20665076	20666075	Gmdrm	hyper	CHH	0.0586
Gm18	20719280	20719333	Gmdrm	hyper	CHH	0.2138
Gm18	20837796	20838783	Gmdrm	hyper	CHH	0.0188
Gm18	20936382	20937309	Gmdrm	hyper	CHH	0.0188
Gm18	20948314	20949289	Gmdrm	hyper	CHH	0.0824
Gm18	21041470	21041540	Gmdrm	hyper	CHH	0.168
Gm18	21043853	21044848	Gmdrm	hyper	CHH	0.0161
Gm18	21066304	21066535	Gmdrm	hyper	CHH	0.0374
Gm18	21093348	21094346	Gmdrm	hyper	CHH	0.0495
Gm18	21174788	21175768	Gmdrm	hyper	CHH	0.0204
Gm18	21272804	21273783	Gmdrm	hyper	CHH	0.0171
Gm18	21529503	21530452	Gmdrm	hyper	CHH	0.0744
Gm18	22004912	22005508	Gmdrm	hyper	CHH	0.0304
Gm18	22030658	22031644	Gmdrm	hyper	CHH	0.0269
Gm18	22435915	22436914	Gmdrm	hyper	CHH	0.0151
Gm18	22556849	22556901	Gmdrm	hyper	CHH	0.2667
Gm18	22766027	22767027	Gmdrm	hyper	CHH	0.0668
Gm18	23130841	23131481	Gmdrm	hyper	CHH	0.0963
Gm18	23223293	23224044	Gmdrm	hyper	CHH	0.0704
Gm18	23329082	23330066	Gmdrm	hyper	CHH	0.0233
Gm18	23442907	23443064	Gmdrm	hyper	CHH	0.1238
Gm18	23496209	23497201	Gmdrm	hyper	CHH	0.0108
Gm18	23624450	23624647	Gmdrm	hyper	CHH	0.092
Gm18	23816257	23817256	Gmdrm	hyper	CHH	0.0579
Gm18	23937537	23937931	Gmdrm	hyper	CHH	0.1613
Gm18	24080045	24080967	Gmdrm	hyper	CHH	0.0308

Gm18	24459697	24459796	Gmdrm	hyper	CHH	0.1575
Gm18	24479451	24480426	Gmdrm	hyper	CHH	0.042
Gm18	24606996	24607097	Gmdrm	hyper	CHH	0.2143
Gm18	24630573	24631327	Gmdrm	hyper	CHH	0.1246
Gm18	24782919	24783917	Gmdrm	hyper	CHH	0.0509
Gm18	24869896	24870290	Gmdrm	hyper	CHH	0.0494
Gm18	25060334	25061324	Gmdrm	hyper	CHH	0.0386
Gm18	25241157	25241366	Gmdrm	hyper	CHH	0.1555
Gm18	25358276	25358356	Gmdrm	hyper	CHH	0.058
Gm18	25402476	25403467	Gmdrm	hyper	CHH	0.0418
Gm18	25531279	25531363	Gmdrm	hyper	CHH	0.2317
Gm18	25748019	25749014	Gmdrm	hyper	CHH	0.0457
Gm18	25905027	25906017	Gmdrm	hyper	CHH	0.0658
Gm18	25942982	25943976	Gmdrm	hyper	CHH	0.0169
Gm18	26477060	26478050	Gmdrm	hyper	CHH	0.0428
Gm18	26841417	26841443	Gmdrm	hyper	CHH	0.168
Gm18	27028012	27028985	Gmdrm	hyper	CHH	0.0532
Gm18	27204323	27205322	Gmdrm	hyper	CHH	0.0714
Gm18	27394791	27395782	Gmdrm	hyper	CHH	0.0556
Gm18	27455575	27456154	Gmdrm	hyper	CHH	0.0572
Gm18	27566436	27566672	Gmdrm	hyper	CHH	0.1456
Gm18	27661364	27661577	Gmdrm	hyper	CHH	0.084
Gm18	27695161	27696155	Gmdrm	hyper	CHH	0.0386
Gm18	27851568	27852567	Gmdrm	hyper	CHH	0.0205
Gm18	27923817	27924813	Gmdrm	hyper	CHH	0.0497
Gm18	27961148	27961197	Gmdrm	hyper	CHH	0.2914
Gm18	28052942	28053927	Gmdrm	hyper	CHH	0.0359
Gm18	28300304	28301244	Gmdrm	hyper	CHH	0.0502
Gm18	28440501	28440894	Gmdrm	hyper	CHH	0.0876
Gm18	28453918	28454865	Gmdrm	hyper	CHH	0.0489
Gm18	28625821	28625975	Gmdrm	hyper	CHH	0.1347
Gm18	28653334	28654329	Gmdrm	hyper	CHH	0.0607
Gm18	28659747	28660747	Gmdrm	hyper	CHH	0.067
Gm18	28694313	28695285	Gmdrm	hyper	CHH	0.0607
Gm18	28696012	28696965	Gmdrm	hyper	CHH	0.0215
Gm18	28847999	28848585	Gmdrm	hyper	CHH	0.0555
Gm18	29025705	29026704	Gmdrm	hyper	CHH	0.0672
Gm18	29047883	29047910	Gmdrm	hyper	CHH	0.3571
Gm18	29435505	29435991	Gmdrm	hyper	CHH	0.0263
Gm18	29678396	29679364	Gmdrm	hyper	CHH	0.024
Gm18	29858283	29858545	Gmdrm	hyper	CHH	0.1676
Gm18	30002115	30002209	Gmdrm	hyper	CHH	0.128
Gm18	30075101	30075558	Gmdrm	hyper	CHH	0.1203
Gm18	30076590	30077350	Gmdrm	hyper	CHH	0.0658
Gm18	30368628	30369627	Gmdrm	hyper	CHH	0.0613
Gm18	30528034	30529012	Gmdrm	hyper	CHH	0.0327

Gm18	31085663	31086594	Gmdrm	hyper	CHH	0.018
Gm18	31487207	31487340	Gmdrm	hyper	CHH	0.24
Gm18	31525637	31526435	Gmdrm	hyper	CHH	0.0972
Gm18	31608423	31609421	Gmdrm	hyper	CHH	0.0516
Gm18	31890225	31890450	Gmdrm	hyper	CHH	0.1205
Gm18	32032347	32033213	Gmdrm	hyper	CHH	0.0785
Gm18	32072137	32072308	Gmdrm	hyper	CHH	0.1391
Gm18	32114378	32115378	Gmdrm	hyper	CHH	0.034
Gm18	32398133	32399101	Gmdrm	hyper	CHH	0.0331
Gm18	32405612	32406400	Gmdrm	hyper	CHH	0.0552
Gm18	32523514	32524509	Gmdrm	hyper	CHH	0.0459
Gm18	32579089	32579172	Gmdrm	hyper	CHH	0.2
Gm18	32682729	32682920	Gmdrm	hyper	CHH	0.1215
Gm18	32761912	32762902	Gmdrm	hyper	CHH	0.0444
Gm18	32790753	32791749	Gmdrm	hyper	CHH	0.0435
Gm18	32795265	32796252	Gmdrm	hyper	CHH	0.0428
Gm18	32811321	32812314	Gmdrm	hyper	CHH	0.0416
Gm18	32812325	32813303	Gmdrm	hyper	CHH	0.0319
Gm18	32813326	32814322	Gmdrm	hyper	CHH	0.0429
Gm18	32814339	32815339	Gmdrm	hyper	CHH	0.0474
Gm18	32846217	32847198	Gmdrm	hyper	CHH	0.0914
Gm18	32852906	32853905	Gmdrm	hyper	CHH	0.0605
Gm18	32863777	32863884	Gmdrm	hyper	CHH	0.1863
Gm18	32864819	32865450	Gmdrm	hyper	CHH	0.0691
Gm18	32869017	32869546	Gmdrm	hyper	CHH	0.091
Gm18	32895503	32896500	Gmdrm	hyper	CHH	0.0267
Gm18	32898443	32899432	Gmdrm	hyper	CHH	0.0303
Gm18	32904451	32905450	Gmdrm	hyper	CHH	0.0331
Gm18	32920200	32920596	Gmdrm	hyper	CHH	0.0573
Gm18	33052134	33053134	Gmdrm	hyper	CHH	0.0413
Gm18	33079624	33080620	Gmdrm	hyper	CHH	0.0372
Gm18	33080634	33080967	Gmdrm	hyper	CHH	0.089
Gm18	33081755	33082440	Gmdrm	hyper	CHH	0.098
Gm18	33088654	33089351	Gmdrm	hyper	CHH	0.1752
Gm18	33186948	33187948	Gmdrm	hyper	CHH	0.0541
Gm18	33187950	33188047	Gmdrm	hyper	CHH	0.175
Gm18	33188684	33189674	Gmdrm	hyper	CHH	0.0508
Gm18	33209674	33210667	Gmdrm	hyper	CHH	0.0319
Gm18	33220107	33221090	Gmdrm	hyper	CHH	0.0445
Gm18	33221136	33221433	Gmdrm	hyper	CHH	0.18
Gm18	33222582	33223216	Gmdrm	hyper	CHH	0.0469
Gm18	33229400	33230086	Gmdrm	hyper	CHH	0.0532
Gm18	33236464	33237439	Gmdrm	hyper	CHH	0.0445
Gm18	33248341	33249329	Gmdrm	hyper	CHH	0.0302
Gm18	33281052	33281386	Gmdrm	hyper	CHH	0.0362
Gm18	33286033	33286991	Gmdrm	hyper	CHH	0.0718

Gm18	33293513	33294461	Gmdrm	hyper	CHH	0.0761
Gm18	33295233	33296222	Gmdrm	hyper	CHH	0.1213
Gm18	33296256	33297233	Gmdrm	hyper	CHH	0.0929
Gm18	33298948	33299948	Gmdrm	hyper	CHH	0.0661
Gm18	33301870	33302869	Gmdrm	hyper	CHH	0.0915
Gm18	33304426	33304729	Gmdrm	hyper	CHH	0.1762
Gm18	33307909	33308905	Gmdrm	hyper	CHH	0.0638
Gm18	33309958	33310931	Gmdrm	hyper	CHH	0.0963
Gm18	33314172	33315142	Gmdrm	hyper	CHH	0.0543
Gm18	33322268	33323266	Gmdrm	hyper	CHH	0.0362
Gm18	33349623	33350208	Gmdrm	hyper	CHH	0.0792
Gm18	33350341	33351263	Gmdrm	hyper	CHH	0.0632
Gm18	33367360	33367858	Gmdrm	hyper	CHH	0.0525
Gm18	33533342	33534323	Gmdrm	hyper	CHH	0.0414
Gm18	33539450	33539856	Gmdrm	hyper	CHH	0.1071
Gm18	33542803	33543058	Gmdrm	hyper	CHH	0.0683
Gm18	33561583	33561820	Gmdrm	hyper	CHH	0.115
Gm18	33569882	33570150	Gmdrm	hyper	CHH	0.0611
Gm18	33572558	33573558	Gmdrm	hyper	CHH	0.0326
Gm18	33573560	33574543	Gmdrm	hyper	CHH	0.0359
Gm18	33574561	33575557	Gmdrm	hyper	CHH	0.0433
Gm18	33580488	33580959	Gmdrm	hyper	CHH	0.1258
Gm18	33584650	33584963	Gmdrm	hyper	CHH	0.1162
Gm18	33588878	33588956	Gmdrm	hyper	CHH	0.168
Gm18	33694419	33694480	Gmdrm	hyper	CHH	0.2017
Gm18	34291762	34292754	Gmdrm	hyper	CHH	0.0545
Gm18	34426933	34427651	Gmdrm	hyper	CHH	0.0704
Gm18	34477893	34478099	Gmdrm	hyper	CHH	0.1988
Gm18	34534135	34534593	Gmdrm	hyper	CHH	0.0296
Gm18	34625355	34626321	Gmdrm	hyper	CHH	0.042
Gm18	34689247	34690247	Gmdrm	hyper	CHH	0.0565
Gm18	34783864	34784117	Gmdrm	hyper	CHH	0.1812
Gm18	34928398	34929100	Gmdrm	hyper	CHH	0.0956
Gm18	35141724	35142708	Gmdrm	hyper	CHH	0.0229
Gm18	35193461	35194427	Gmdrm	hyper	CHH	0.0112
Gm18	35393449	35393738	Gmdrm	hyper	CHH	0.173
Gm18	35402160	35402284	Gmdrm	hyper	CHH	0.2222
Gm18	35441112	35441405	Gmdrm	hyper	CHH	0.0328
Gm18	35477690	35478688	Gmdrm	hyper	CHH	0.0517
Gm18	35682083	35683081	Gmdrm	hyper	CHH	0.0501
Gm18	35762542	35763256	Gmdrm	hyper	CHH	0.0598
Gm18	36082306	36082925	Gmdrm	hyper	CHH	0.0215
Gm18	36230636	36231623	Gmdrm	hyper	CHH	0.0176
Gm18	36247524	36248517	Gmdrm	hyper	CHH	0.0121
Gm18	36338564	36339557	Gmdrm	hyper	CHH	0.021
Gm18	36397724	36398722	Gmdrm	hyper	CHH	0.0343

Gm18	36469358	36470343	Gmdrm	hyper	CHH	0.0457
Gm18	36480248	36481144	Gmdrm	hyper	CHH	0.0118
Gm18	36490851	36491478	Gmdrm	hyper	CHH	0.0554
Gm18	36499573	36500511	Gmdrm	hyper	CHH	0.0386
Gm18	36775465	36775660	Gmdrm	hyper	CHH	0.1271
Gm18	37021962	37022959	Gmdrm	hyper	CHH	0.0449
Gm18	37090592	37090922	Gmdrm	hyper	CHH	0.0675
Gm18	37121654	37122654	Gmdrm	hyper	CHH	0.0432
Gm18	37299348	37299594	Gmdrm	hyper	CHH	0.1061
Gm18	37442521	37442850	Gmdrm	hyper	CHH	0.1183
Gm18	37719791	37720760	Gmdrm	hyper	CHH	0.0409
Gm18	37728680	37729649	Gmdrm	hyper	CHH	0.0679
Gm18	37783557	37784086	Gmdrm	hyper	CHH	0.1123
Gm18	37790248	37791248	Gmdrm	hyper	CHH	0.0529
Gm18	37804417	37805417	Gmdrm	hyper	CHH	0.0617
Gm18	37849067	37849617	Gmdrm	hyper	CHH	0.0863
Gm18	37948663	37949543	Gmdrm	hyper	CHH	0.0342
Gm18	37955392	37956377	Gmdrm	hyper	CHH	0.0178
Gm18	38013024	38014015	Gmdrm	hyper	CHH	0.0566
Gm18	38018053	38019053	Gmdrm	hyper	CHH	0.0413
Gm18	38067418	38068410	Gmdrm	hyper	CHH	0.0377
Gm18	38111534	38112531	Gmdrm	hyper	CHH	0.014
Gm18	38118453	38119451	Gmdrm	hyper	CHH	0.0435
Gm18	38183192	38183325	Gmdrm	hyper	CHH	0.0662
Gm18	38231440	38232428	Gmdrm	hyper	CHH	0.0337
Gm18	38501924	38502922	Gmdrm	hyper	CHH	0.0258
Gm18	38502925	38503924	Gmdrm	hyper	CHH	0.0209
Gm18	38606251	38606371	Gmdrm	hyper	CHH	0.0789
Gm18	38764786	38765426	Gmdrm	hyper	CHH	0.0469
Gm18	38918844	38919832	Gmdrm	hyper	CHH	0.0171
Gm18	39020113	39021112	Gmdrm	hyper	CHH	0.0224
Gm18	39024135	39025121	Gmdrm	hyper	CHH	0.0882
Gm18	39025139	39026122	Gmdrm	hyper	CHH	0.0889
Gm18	39026140	39027139	Gmdrm	hyper	CHH	0.0542
Gm18	39137577	39138576	Gmdrm	hyper	CHH	0.0082
Gm18	40014229	40015225	Gmdrm	hyper	CHH	0.0379
Gm18	40060106	40061104	Gmdrm	hyper	CHH	0.0528
Gm18	40076866	40077069	Gmdrm	hyper	CHH	0.0533
Gm18	40109039	40110007	Gmdrm	hyper	CHH	0.0223
Gm18	40147623	40148612	Gmdrm	hyper	CHH	0.0485
Gm18	40215034	40216021	Gmdrm	hyper	CHH	0.0151
Gm18	40217982	40218971	Gmdrm	hyper	CHH	0.0284
Gm18	40218983	40219983	Gmdrm	hyper	CHH	0.0695
Gm18	40219985	40220980	Gmdrm	hyper	CHH	0.0777
Gm18	40333919	40334912	Gmdrm	hyper	CHH	0.042
Gm18	40427742	40428732	Gmdrm	hyper	CHH	0.0431

Gm18	40636239	40637216	Gmdrm	hyper	CHH	0.0206
Gm18	40681607	40681705	Gmdrm	hyper	CHH	0.1067
Gm18	40753528	40754524	Gmdrm	hyper	CHH	0.035
Gm18	40927708	40928698	Gmdrm	hyper	CHH	0.0333
Gm18	40960598	40961598	Gmdrm	hyper	CHH	0.0148
Gm18	40992841	40993041	Gmdrm	hyper	CHH	0.1434
Gm18	41036199	41037166	Gmdrm	hyper	CHH	0.0179
Gm18	41068911	41069907	Gmdrm	hyper	CHH	0.0979
Gm18	41175061	41176057	Gmdrm	hyper	CHH	0.0657
Gm18	41323298	41323718	Gmdrm	hyper	CHH	0.07
Gm18	41324362	41325312	Gmdrm	hyper	CHH	0.0493
Gm18	41328406	41329380	Gmdrm	hyper	CHH	0.0216
Gm18	41333037	41333713	Gmdrm	hyper	CHH	0.025
Gm18	41356453	41356863	Gmdrm	hyper	CHH	0.0306
Gm18	41437297	41438294	Gmdrm	hyper	CHH	0.059
Gm18	41509754	41510754	Gmdrm	hyper	CHH	0.0467
Gm18	41620096	41621014	Gmdrm	hyper	CHH	0.0208
Gm18	41725824	41726055	Gmdrm	hyper	CHH	0.09
Gm18	41875447	41876439	Gmdrm	hyper	CHH	0.0156
Gm18	42127927	42128219	Gmdrm	hyper	CHH	0.0265
Gm18	42283348	42283613	Gmdrm	hyper	CHH	0.0409
Gm18	42525653	42526643	Gmdrm	hyper	CHH	0.0649
Gm18	42615637	42616405	Gmdrm	hyper	CHH	0.0287
Gm18	42811847	42812480	Gmdrm	hyper	CHH	0.0423
Gm18	42882181	42883180	Gmdrm	hyper	CHH	0.038
Gm18	42984418	42985416	Gmdrm	hyper	CHH	0.0435
Gm18	43003391	43003992	Gmdrm	hyper	CHH	0.1527
Gm18	43138840	43138912	Gmdrm	hyper	CHH	0.2538
Gm18	43239972	43240959	Gmdrm	hyper	CHH	0.0511
Gm18	43257942	43258272	Gmdrm	hyper	CHH	0.0297
Gm18	43318866	43319835	Gmdrm	hyper	CHH	0.082
Gm18	43426484	43427478	Gmdrm	hyper	CHH	0.02
Gm18	43640556	43641055	Gmdrm	hyper	CHH	0.0402
Gm18	43677607	43678589	Gmdrm	hyper	CHH	0.0277
Gm18	43754313	43755307	Gmdrm	hyper	CHH	0.0176
Gm18	43775667	43776615	Gmdrm	hyper	CHH	0.0123
Gm18	43786115	43786253	Gmdrm	hyper	CHH	0.0938
Gm18	43820061	43821051	Gmdrm	hyper	CHH	0.0609
Gm18	43835132	43836123	Gmdrm	hyper	CHH	0.0319
Gm18	43873375	43874372	Gmdrm	hyper	CHH	0.0205
Gm18	43877408	43878330	Gmdrm	hyper	CHH	0.0284
Gm18	43976226	43977202	Gmdrm	hyper	CHH	0.0181
Gm18	44101918	44102901	Gmdrm	hyper	CHH	0.0536
Gm18	44135825	44136495	Gmdrm	hyper	CHH	0.0484
Gm18	44142861	44143859	Gmdrm	hyper	CHH	0.0364
Gm18	44479464	44480452	Gmdrm	hyper	CHH	0.0486

Gm18	44494353	44495353	Gmdrm	hyper	CHH	0.0361
Gm18	44599754	44600739	Gmdrm	hyper	CHH	0.0149
Gm18	44619023	44620015	Gmdrm	hyper	CHH	0.0484
Gm18	44633985	44634021	Gmdrm	hyper	CHH	0.3245
Gm18	44666848	44667601	Gmdrm	hyper	CHH	0.0252
Gm18	44688175	44689114	Gmdrm	hyper	CHH	0.0407
Gm18	44742294	44742437	Gmdrm	hyper	CHH	0.0462
Gm18	44773448	44774429	Gmdrm	hyper	CHH	0.0228
Gm18	44911257	44912099	Gmdrm	hyper	CHH	0.0153
Gm18	45009602	45010589	Gmdrm	hyper	CHH	0.0276
Gm18	45010607	45011604	Gmdrm	hyper	CHH	0.0281
Gm18	45015203	45016108	Gmdrm	hyper	CHH	0.0325
Gm18	45180796	45181789	Gmdrm	hyper	CHH	0.076
Gm18	45364313	45365310	Gmdrm	hyper	CHH	0.0322
Gm18	45366342	45367306	Gmdrm	hyper	CHH	0.0169
Gm18	45605468	45606464	Gmdrm	hyper	CHH	0.0381
Gm18	45679908	45679961	Gmdrm	hyper	CHH	0.36
Gm18	45684714	45685713	Gmdrm	hyper	CHH	0.0333
Gm18	45685727	45686725	Gmdrm	hyper	CHH	0.0586
Gm18	45782514	45783504	Gmdrm	hyper	CHH	0.0535
Gm18	45870056	45870961	Gmdrm	hyper	CHH	0.0464
Gm18	45875184	45876182	Gmdrm	hyper	CHH	0.0405
Gm18	45943116	45943352	Gmdrm	hyper	CHH	0.0567
Gm18	45944491	45945482	Gmdrm	hyper	CHH	0.0112
Gm18	45955765	45956764	Gmdrm	hyper	CHH	0.0433
Gm18	46073563	46074563	Gmdrm	hyper	CHH	0.0203
Gm18	46183771	46183912	Gmdrm	hyper	CHH	0.06
Gm18	46417655	46418391	Gmdrm	hyper	CHH	0.0348
Gm18	46428713	46429135	Gmdrm	hyper	CHH	0.031
Gm18	46475591	46475854	Gmdrm	hyper	CHH	0.0375
Gm18	46488355	46488547	Gmdrm	hyper	CHH	0.038
Gm18	46608762	46609754	Gmdrm	hyper	CHH	0.0186
Gm18	46700471	46700532	Gmdrm	hyper	CHH	0.0991
Gm18	46700665	46700969	Gmdrm	hyper	CHH	0.0508
Gm18	46706257	46706817	Gmdrm	hyper	CHH	0.0215
Gm18	46769491	46769743	Gmdrm	hyper	CHH	0.0467
Gm18	46795428	46796423	Gmdrm	hyper	CHH	0.0195
Gm18	46817582	46817834	Gmdrm	hyper	CHH	0.0471
Gm18	46849081	46849155	Gmdrm	hyper	CHH	0.03
Gm18	46858448	46859404	Gmdrm	hyper	CHH	0.0241
Gm18	47043107	47043346	Gmdrm	hyper	CHH	0.0569
Gm18	47129494	47130493	Gmdrm	hyper	CHH	0.055
Gm18	47130960	47131317	Gmdrm	hyper	CHH	0.0445
Gm18	47178488	47179480	Gmdrm	hyper	CHH	0.0511
Gm18	47184887	47185857	Gmdrm	hyper	CHH	0.0622
Gm18	47361800	47361865	Gmdrm	hyper	CHH	0.1783

Gm18	47483917	47484903	Gmdrm	hyper	CHH	0.0179
Gm18	47492259	47493258	Gmdrm	hyper	CHH	0.0639
Gm18	47570883	47570951	Gmdrm	hyper	CHH	0.216
Gm18	47844266	47845266	Gmdrm	hyper	CHH	0.0458
Gm18	47923652	47924652	Gmdrm	hyper	CHH	0.0464
Gm18	47937249	47938223	Gmdrm	hyper	CHH	0.0598
Gm18	47940749	47941740	Gmdrm	hyper	CHH	0.0219
Gm18	47951476	47952451	Gmdrm	hyper	CHH	0.021
Gm18	47999212	47999249	Gmdrm	hyper	CHH	0.0775
Gm18	48029312	48030305	Gmdrm	hyper	CHH	0.0221
Gm18	48038930	48039919	Gmdrm	hyper	CHH	0.0418
Gm18	48107430	48108429	Gmdrm	hyper	CHH	0.0223
Gm18	48125917	48126708	Gmdrm	hyper	CHH	0.0224
Gm18	48127150	48127479	Gmdrm	hyper	CHH	0.0392
Gm18	48318008	48318498	Gmdrm	hyper	CHH	0.0454
Gm18	48321675	48322646	Gmdrm	hyper	CHH	0.0133
Gm18	48377030	48378029	Gmdrm	hyper	CHH	0.0597
Gm18	48378031	48379028	Gmdrm	hyper	CHH	0.097
Gm18	48402285	48402389	Gmdrm	hyper	CHH	0.188
Gm18	48485369	48485638	Gmdrm	hyper	CHH	0.0239
Gm18	48584978	48585970	Gmdrm	hyper	CHH	0.0464
Gm18	48612673	48613619	Gmdrm	hyper	CHH	0.015
Gm18	48635042	48635713	Gmdrm	hyper	CHH	0.0469
Gm18	48684173	48685159	Gmdrm	hyper	CHH	0.0113
Gm18	48718600	48719593	Gmdrm	hyper	CHH	0.022
Gm18	48737791	48738270	Gmdrm	hyper	CHH	0.057
Gm18	48861445	48862057	Gmdrm	hyper	CHH	0.0124
Gm18	48884441	48885435	Gmdrm	hyper	CHH	0.0335
Gm18	48885442	48886431	Gmdrm	hyper	CHH	0.0461
Gm18	48907993	48908915	Gmdrm	hyper	CHH	0.021
Gm18	48971331	48972328	Gmdrm	hyper	CHH	0.0366
Gm18	48982958	48983940	Gmdrm	hyper	CHH	0.0252
Gm18	49052787	49053370	Gmdrm	hyper	CHH	0.04
Gm18	49059046	49059637	Gmdrm	hyper	CHH	0.04
Gm18	49095021	49096014	Gmdrm	hyper	CHH	0.0212
Gm18	49122493	49123050	Gmdrm	hyper	CHH	0.0281
Gm18	49215411	49216410	Gmdrm	hyper	CHH	0.0431
Gm18	49410901	49411895	Gmdrm	hyper	CHH	0.0307
Gm18	49446441	49447432	Gmdrm	hyper	CHH	0.0149
Gm18	49470750	49471099	Gmdrm	hyper	CHH	0.0237
Gm18	49553724	49554098	Gmdrm	hyper	CHH	0.0508
Gm18	49582570	49583550	Gmdrm	hyper	CHH	0.0257
Gm18	49593910	49594216	Gmdrm	hyper	CHH	0.0469
Gm18	49605333	49606303	Gmdrm	hyper	CHH	0.0271
Gm18	49609387	49610380	Gmdrm	hyper	CHH	0.0691
Gm18	49634135	49635123	Gmdrm	hyper	CHH	0.0135

Gm18	49789262	49789545	Gmdrm	hyper	CHH	0.0433
Gm18	49791998	49792939	Gmdrm	hyper	CHH	0.0213
Gm18	49809264	49809420	Gmdrm	hyper	CHH	0.041
Gm18	49912468	49913240	Gmdrm	hyper	CHH	0.0342
Gm18	49977685	49978675	Gmdrm	hyper	CHH	0.0133
Gm18	50010539	50011538	Gmdrm	hyper	CHH	0.0127
Gm18	50017581	50018540	Gmdrm	hyper	CHH	0.017
Gm18	50023640	50024616	Gmdrm	hyper	CHH	0.0122
Gm18	50124683	50125680	Gmdrm	hyper	CHH	0.0203
Gm18	50193556	50194194	Gmdrm	hyper	CHH	0.0164
Gm18	50209488	50209839	Gmdrm	hyper	CHH	0.0334
Gm18	50237871	50238849	Gmdrm	hyper	CHH	0.0262
Gm18	50277142	50278139	Gmdrm	hyper	CHH	0.0172
Gm18	50300740	50301740	Gmdrm	hyper	CHH	0.0167
Gm18	50426670	50427191	Gmdrm	hyper	CHH	0.0154
Gm18	50491141	50492072	Gmdrm	hyper	CHH	0.0165
Gm18	50547099	50548081	Gmdrm	hyper	CHH	0.0329
Gm18	50589755	50590755	Gmdrm	hyper	CHH	0.0122
Gm18	50603411	50604411	Gmdrm	hyper	CHH	0.0191
Gm18	50632322	50632666	Gmdrm	hyper	CHH	0.0281
Gm18	50754721	50755706	Gmdrm	hyper	CHH	0.0231
Gm18	50755741	50756287	Gmdrm	hyper	CHH	0.0373
Gm18	50761955	50762119	Gmdrm	hyper	CHH	0.0983
Gm18	50874809	50875800	Gmdrm	hyper	CHH	0.0176
Gm18	50896250	50896562	Gmdrm	hyper	CHH	0.0324
Gm18	50897710	50898707	Gmdrm	hyper	CHH	0.015
Gm18	50959673	50959840	Gmdrm	hyper	CHH	0.2
Gm18	51017445	51018428	Gmdrm	hyper	CHH	0.0165
Gm18	51022517	51023510	Gmdrm	hyper	CHH	0.0164
Gm18	51043890	51044887	Gmdrm	hyper	CHH	0.0111
Gm18	51097143	51098021	Gmdrm	hyper	CHH	0.0148
Gm18	51104402	51105319	Gmdrm	hyper	CHH	0.0148
Gm18	51187166	51187441	Gmdrm	hyper	CHH	0.03
Gm18	51260537	51261457	Gmdrm	hyper	CHH	0.0173
Gm18	51392566	51392745	Gmdrm	hyper	CHH	0.0559
Gm18	51405089	51406083	Gmdrm	hyper	CHH	0.0239
Gm18	51437246	51438240	Gmdrm	hyper	CHH	0.0158
Gm18	51463592	51464543	Gmdrm	hyper	CHH	0.0145
Gm18	51477162	51478113	Gmdrm	hyper	CHH	0.0153
Gm18	51478164	51479155	Gmdrm	hyper	CHH	0.0197
Gm18	51590525	51590949	Gmdrm	hyper	CHH	0.0324
Gm18	51680045	51680325	Gmdrm	hyper	CHH	0.0663
Gm18	51896915	51897915	Gmdrm	hyper	CHH	0.0191
Gm18	51925735	51926719	Gmdrm	hyper	CHH	0.0541
Gm18	52010213	52011213	Gmdrm	hyper	CHH	0.0154
Gm18	52047681	52048681	Gmdrm	hyper	CHH	0.0245

Gm18	52094951	52095935	Gmdrm	hyper	CHH	0.0509
Gm18	52204854	52205835	Gmdrm	hyper	CHH	0.0135
Gm18	52220207	52221150	Gmdrm	hyper	CHH	0.0141
Gm18	52408390	52409387	Gmdrm	hyper	CHH	0.0107
Gm18	52421845	52422811	Gmdrm	hyper	CHH	0.0172
Gm18	52452364	52453358	Gmdrm	hyper	CHH	0.0128
Gm18	52463455	52464130	Gmdrm	hyper	CHH	0.0111
Gm18	52487041	52487617	Gmdrm	hyper	CHH	0.0342
Gm18	52554397	52555395	Gmdrm	hyper	CHH	0.0421
Gm18	52601065	52602011	Gmdrm	hyper	CHH	0.0182
Gm18	52704220	52704718	Gmdrm	hyper	CHH	0.0337
Gm18	52707704	52708565	Gmdrm	hyper	CHH	0.0198
Gm18	52796025	52796410	Gmdrm	hyper	CHH	0.0244
Gm18	52809684	52810684	Gmdrm	hyper	CHH	0.013
Gm18	52862388	52863322	Gmdrm	hyper	CHH	0.023
Gm18	52873609	52874607	Gmdrm	hyper	CHH	0.0175
Gm18	52885252	52886212	Gmdrm	hyper	CHH	0.0493
Gm18	52886253	52887246	Gmdrm	hyper	CHH	0.016
Gm18	52896877	52897072	Gmdrm	hyper	CHH	0.0473
Gm18	52953682	52953868	Gmdrm	hyper	CHH	0.032
Gm18	53014667	53015667	Gmdrm	hyper	CHH	0.0157
Gm18	53021188	53022159	Gmdrm	hyper	CHH	0.0388
Gm18	53046463	53047147	Gmdrm	hyper	CHH	0.0235
Gm18	53074431	53075428	Gmdrm	hyper	CHH	0.0359
Gm18	53103075	53104060	Gmdrm	hyper	CHH	0.0147
Gm18	53147712	53148645	Gmdrm	hyper	CHH	0.0232
Gm18	53160296	53161087	Gmdrm	hyper	CHH	0.052
Gm18	53170572	53171564	Gmdrm	hyper	CHH	0.0434
Gm18	53172671	53173653	Gmdrm	hyper	CHH	0.0122
Gm18	53197002	53197990	Gmdrm	hyper	CHH	0.018
Gm18	53209302	53210075	Gmdrm	hyper	CHH	0.0542
Gm18	53226918	53227903	Gmdrm	hyper	CHH	0.0125
Gm18	53274030	53275015	Gmdrm	hyper	CHH	0.0118
Gm18	53398863	53399856	Gmdrm	hyper	CHH	0.0111
Gm18	53407316	53408305	Gmdrm	hyper	CHH	0.0148
Gm18	53417769	53418769	Gmdrm	hyper	CHH	0.0309
Gm18	53431434	53432430	Gmdrm	hyper	CHH	0.0152
Gm18	53446645	53447644	Gmdrm	hyper	CHH	0.0137
Gm18	53499099	53500092	Gmdrm	hyper	CHH	0.0149
Gm18	53522240	53523235	Gmdrm	hyper	CHH	0.0306
Gm18	53523244	53523575	Gmdrm	hyper	CHH	0.0315
Gm18	53526671	53527594	Gmdrm	hyper	CHH	0.0247
Gm18	53562755	53563317	Gmdrm	hyper	CHH	0.0259
Gm18	53579683	53579805	Gmdrm	hyper	CHH	0.0289
Gm18	53663673	53664653	Gmdrm	hyper	CHH	0.0187
Gm18	53671395	53672377	Gmdrm	hyper	CHH	0.0144

Gm18	53695451	53696402	Gmdrm	hyper	CHH	0.0258
Gm18	53705564	53705979	Gmdrm	hyper	CHH	0.0335
Gm18	53832103	53833077	Gmdrm	hyper	CHH	0.016
Gm18	53844619	53845616	Gmdrm	hyper	CHH	0.0266
Gm18	53884938	53885937	Gmdrm	hyper	CHH	0.03
Gm18	53887022	53887273	Gmdrm	hyper	CHH	0.0315
Gm18	53903348	53904333	Gmdrm	hyper	CHH	0.0329
Gm18	53939592	53940149	Gmdrm	hyper	CHH	0.0263
Gm18	53964692	53965686	Gmdrm	hyper	CHH	0.0247
Gm18	54003237	54004233	Gmdrm	hyper	CHH	0.0278
Gm18	54024926	54025918	Gmdrm	hyper	CHH	0.0216
Gm18	54126408	54127376	Gmdrm	hyper	CHH	0.0272
Gm18	54275320	54276317	Gmdrm	hyper	CHH	0.0131
Gm18	54326222	54326368	Gmdrm	hyper	CHH	0.0338
Gm18	54358156	54358375	Gmdrm	hyper	CHH	0.0428
Gm18	54421457	54422450	Gmdrm	hyper	CHH	0.0159
Gm18	54454023	54455006	Gmdrm	hyper	CHH	0.0156
Gm18	54506478	54507288	Gmdrm	hyper	CHH	0.0196
Gm18	54527363	54527616	Gmdrm	hyper	CHH	0.045
Gm18	54536590	54537097	Gmdrm	hyper	CHH	0.0262
Gm18	54561108	54562103	Gmdrm	hyper	CHH	0.0373
Gm18	54626863	54627863	Gmdrm	hyper	CHH	0.0256
Gm18	54635802	54636784	Gmdrm	hyper	CHH	0.0274
Gm18	54721966	54722947	Gmdrm	hyper	CHH	0.0111
Gm18	54752416	54753384	Gmdrm	hyper	CHH	0.0132
Gm18	54785201	54786141	Gmdrm	hyper	CHH	0.0134
Gm18	54821777	54822770	Gmdrm	hyper	CHH	0.012
Gm18	54827124	54827544	Gmdrm	hyper	CHH	0.0269
Gm18	54913242	54913366	Gmdrm	hyper	CHH	0.04
Gm18	54927904	54928900	Gmdrm	hyper	CHH	0.0155
Gm18	54958795	54959738	Gmdrm	hyper	CHH	0.0135
Gm18	55021431	55022196	Gmdrm	hyper	CHH	0.0201
Gm18	55089921	55090913	Gmdrm	hyper	CHH	0.0147
Gm18	55095813	55096538	Gmdrm	hyper	CHH	0.0158
Gm18	55097644	55098577	Gmdrm	hyper	CHH	0.0245
Gm18	55148940	55149631	Gmdrm	hyper	CHH	0.0155
Gm18	55192271	55192821	Gmdrm	hyper	CHH	0.0273
Gm18	55205786	55206779	Gmdrm	hyper	CHH	0.0303
Gm18	55276165	55276404	Gmdrm	hyper	CHH	0.0295
Gm18	55321540	55322509	Gmdrm	hyper	CHH	0.0247
Gm18	55340927	55341162	Gmdrm	hyper	CHH	0.1074
Gm18	55342084	55343055	Gmdrm	hyper	CHH	0.0207
Gm18	55355524	55356462	Gmdrm	hyper	CHH	0.0194
Gm18	55382733	55383104	Gmdrm	hyper	CHH	0.0253
Gm18	55440174	55440439	Gmdrm	hyper	CHH	0.0866
Gm18	55479498	55480483	Gmdrm	hyper	CHH	0.0264

Gm18	55480506	55481488	Gmdrm	hyper	CHH	0.0297
Gm18	55483069	55483204	Gmdrm	hyper	CHH	0.1543
Gm18	55503364	55504361	Gmdrm	hyper	CHH	0.0312
Gm18	55504397	55505360	Gmdrm	hyper	CHH	0.0121
Gm18	55580414	55581409	Gmdrm	hyper	CHH	0.0189
Gm18	55614727	55615723	Gmdrm	hyper	CHH	0.0182
Gm18	55689036	55689174	Gmdrm	hyper	CHH	0.0483
Gm18	55702481	55703477	Gmdrm	hyper	CHH	0.0317
Gm18	55724439	55724681	Gmdrm	hyper	CHH	0.0736
Gm18	55755025	55755982	Gmdrm	hyper	CHH	0.0306
Gm18	55757100	55758074	Gmdrm	hyper	CHH	0.0391
Gm18	55786777	55787716	Gmdrm	hyper	CHH	0.0143
Gm18	55829779	55830528	Gmdrm	hyper	CHH	0.0272
Gm18	55882198	55883159	Gmdrm	hyper	CHH	0.0194
Gm18	56027597	56027999	Gmdrm	hyper	CHH	0.0522
Gm18	56059621	56060219	Gmdrm	hyper	CHH	0.0358
Gm18	56126136	56127113	Gmdrm	hyper	CHH	0.011
Gm18	56195404	56196403	Gmdrm	hyper	CHH	0.0319
Gm18	56260137	56261106	Gmdrm	hyper	CHH	0.043
Gm18	56321619	56322610	Gmdrm	hyper	CHH	0.0243
Gm18	56333172	56334168	Gmdrm	hyper	CHH	0.0128
Gm18	56464255	56464627	Gmdrm	hyper	CHH	0.0258
Gm18	56468809	56469256	Gmdrm	hyper	CHH	0.0203
Gm18	56472795	56473789	Gmdrm	hyper	CHH	0.0245
Gm18	56503993	56504324	Gmdrm	hyper	CHH	0.0938
Gm18	56559818	56560794	Gmdrm	hyper	CHH	0.0258
Gm18	56607025	56608023	Gmdrm	hyper	CHH	0.0196
Gm18	56614391	56614562	Gmdrm	hyper	CHH	0.0357
Gm18	56629500	56630487	Gmdrm	hyper	CHH	0.02
Gm18	56642528	56643525	Gmdrm	hyper	CHH	0.0169
Gm18	56727348	56728339	Gmdrm	hyper	CHH	0.0179
Gm18	56778417	56779409	Gmdrm	hyper	CHH	0.0285
Gm18	56811722	56812682	Gmdrm	hyper	CHH	0.0324
Gm18	56852556	56852930	Gmdrm	hyper	CHH	0.05
Gm18	56857101	56858099	Gmdrm	hyper	CHH	0.0208
Gm18	56858157	56859148	Gmdrm	hyper	CHH	0.0147
Gm18	56924490	56925477	Gmdrm	hyper	CHH	0.0118
Gm18	56962532	56963256	Gmdrm	hyper	CHH	0.0156
Gm18	56979602	56979674	Gmdrm	hyper	CHH	0.0411
Gm18	57007099	57008096	Gmdrm	hyper	CHH	0.0407
Gm18	57056028	57056952	Gmdrm	hyper	CHH	0.0137
Gm18	57071031	57071664	Gmdrm	hyper	CHH	0.0584
Gm18	57077500	57078485	Gmdrm	hyper	CHH	0.0226
Gm18	57103240	57103760	Gmdrm	hyper	CHH	0.0405
Gm18	57129124	57130114	Gmdrm	hyper	CHH	0.0267
Gm18	57139625	57139833	Gmdrm	hyper	CHH	0.05

Gm18	57153291	57154285	Gmdrm	hyper	CHH	0.0189
Gm18	57170073	57170831	Gmdrm	hyper	CHH	0.0304
Gm18	57201699	57202039	Gmdrm	hyper	CHH	0.0503
Gm18	57232140	57232992	Gmdrm	hyper	CHH	0.0221
Gm18	57238868	57239868	Gmdrm	hyper	CHH	0.0135
Gm18	57264315	57265313	Gmdrm	hyper	CHH	0.014
Gm18	57325353	57325629	Gmdrm	hyper	CHH	0.0679
Gm18	57348134	57348760	Gmdrm	hyper	CHH	0.0169
Gm18	57443689	57444689	Gmdrm	hyper	CHH	0.0146
Gm18	57453052	57454050	Gmdrm	hyper	CHH	0.0286
Gm18	57467751	57468175	Gmdrm	hyper	CHH	0.0248
Gm18	57468294	57469238	Gmdrm	hyper	CHH	0.0204
Gm18	57561614	57562014	Gmdrm	hyper	CHH	0.0196
Gm18	57632084	57633079	Gmdrm	hyper	CHH	0.0133
Gm18	57634602	57635570	Gmdrm	hyper	CHH	0.0162
Gm18	57669292	57669500	Gmdrm	hyper	CHH	0.0245
Gm18	57672647	57673644	Gmdrm	hyper	CHH	0.0152
Gm18	57725285	57725676	Gmdrm	hyper	CHH	0.0608
Gm18	57730807	57731776	Gmdrm	hyper	CHH	0.0117
Gm18	57754092	57754736	Gmdrm	hyper	CHH	0.035
Gm18	57755417	57756416	Gmdrm	hyper	CHH	0.0138
Gm18	57760569	57761094	Gmdrm	hyper	CHH	0.0206
Gm18	57777951	57778944	Gmdrm	hyper	CHH	0.0214
Gm18	57798221	57798963	Gmdrm	hyper	CHH	0.0367
Gm18	57872256	57872547	Gmdrm	hyper	CHH	0.064
Gm18	57885638	57886600	Gmdrm	hyper	CHH	0.0185
Gm18	57894338	57895320	Gmdrm	hyper	CHH	0.023
Gm18	57906580	57907203	Gmdrm	hyper	CHH	0.0267
Gm18	57941737	57942717	Gmdrm	hyper	CHH	0.0152
Gm18	57990745	57991734	Gmdrm	hyper	CHH	0.0206
Gm18	58098314	58098431	Gmdrm	hyper	CHH	0.059
Gm18	58159509	58159933	Gmdrm	hyper	CHH	0.083
Gm18	58195770	58196073	Gmdrm	hyper	CHH	0.0545
Gm18	58196315	58197186	Gmdrm	hyper	CHH	0.0376
Gm18	58259959	58260745	Gmdrm	hyper	CHH	0.017
Gm18	58263892	58264864	Gmdrm	hyper	CHH	0.0215
Gm18_scaffol	125519	125786	Gmdrm	hyper	CHH	0.111
Gm19	85226	86209	Gmdrm	hyper	CHH	0.0159
Gm19	144143	144753	Gmdrm	hyper	CHH	0.0368
Gm19	201267	201858	Gmdrm	hyper	CHH	0.04
Gm19	207965	208956	Gmdrm	hyper	CHH	0.0228
Gm19	226511	227271	Gmdrm	hyper	CHH	0.0222
Gm19	241443	242414	Gmdrm	hyper	CHH	0.022
Gm19	264909	265905	Gmdrm	hyper	CHH	0.0426
Gm19	277461	277589	Gmdrm	hyper	CHH	0.0413
Gm19	287631	288618	Gmdrm	hyper	CHH	0.0147

Gm19	294876	295871	Gmdrm	hyper	CHH	0.0205
Gm19	447991	448059	Gmdrm	hyper	CHH	0.06
Gm19	453004	453967	Gmdrm	hyper	CHH	0.0276
Gm19	461809	461992	Gmdrm	hyper	CHH	0.0555
Gm19	465240	465965	Gmdrm	hyper	CHH	0.023
Gm19	521418	522337	Gmdrm	hyper	CHH	0.0387
Gm19	540275	541269	Gmdrm	hyper	CHH	0.0338
Gm19	546225	547220	Gmdrm	hyper	CHH	0.017
Gm19	571284	572275	Gmdrm	hyper	CHH	0.0189
Gm19	592056	593052	Gmdrm	hyper	CHH	0.0206
Gm19	594090	595082	Gmdrm	hyper	CHH	0.0145
Gm19	695547	696539	Gmdrm	hyper	CHH	0.0106
Gm19	697611	698174	Gmdrm	hyper	CHH	0.0198
Gm19	717851	718846	Gmdrm	hyper	CHH	0.009
Gm19	724568	724983	Gmdrm	hyper	CHH	0.0178
Gm19	725795	726591	Gmdrm	hyper	CHH	0.0418
Gm19	726729	726813	Gmdrm	hyper	CHH	0.074
Gm19	739741	740724	Gmdrm	hyper	CHH	0.0198
Gm19	811681	812673	Gmdrm	hyper	CHH	0.0117
Gm19	938622	939611	Gmdrm	hyper	CHH	0.0229
Gm19	1012629	1012778	Gmdrm	hyper	CHH	0.0431
Gm19	1026316	1027284	Gmdrm	hyper	CHH	0.0117
Gm19	1053578	1054573	Gmdrm	hyper	CHH	0.0304
Gm19	1087754	1088715	Gmdrm	hyper	CHH	0.0181
Gm19	1194531	1195530	Gmdrm	hyper	CHH	0.0186
Gm19	1257502	1258472	Gmdrm	hyper	CHH	0.028
Gm19	1322415	1323029	Gmdrm	hyper	CHH	0.0239
Gm19	1338916	1339673	Gmdrm	hyper	CHH	0.0274
Gm19	1388758	1389217	Gmdrm	hyper	CHH	0.0238
Gm19	1410695	1411489	Gmdrm	hyper	CHH	0.0189
Gm19	1514032	1515029	Gmdrm	hyper	CHH	0.0124
Gm19	1598122	1598225	Gmdrm	hyper	CHH	0.0583
Gm19	1608575	1608927	Gmdrm	hyper	CHH	0.0833
Gm19	1722882	1723868	Gmdrm	hyper	CHH	0.0148
Gm19	1740411	1741095	Gmdrm	hyper	CHH	0.0136
Gm19	1750795	1751789	Gmdrm	hyper	CHH	0.044
Gm19	1759039	1760028	Gmdrm	hyper	CHH	0.0453
Gm19	1778752	1779739	Gmdrm	hyper	CHH	0.0288
Gm19	1823165	1824002	Gmdrm	hyper	CHH	0.0269
Gm19	1854309	1855306	Gmdrm	hyper	CHH	0.0138
Gm19	1861019	1862002	Gmdrm	hyper	CHH	0.0178
Gm19	1875965	1876942	Gmdrm	hyper	CHH	0.05
Gm19	1961358	1962334	Gmdrm	hyper	CHH	0.0238
Gm19	2023830	2023980	Gmdrm	hyper	CHH	0.0346
Gm19	2108141	2108568	Gmdrm	hyper	CHH	0.0426
Gm19	2123339	2123573	Gmdrm	hyper	CHH	0.032

Gm19	2128338	2128793	Gmdrm	hyper	CHH	0.0356
Gm19	2171910	2172891	Gmdrm	hyper	CHH	0.0516
Gm19	2226319	2226386	Gmdrm	hyper	CHH	0.0514
Gm19	2226548	2227544	Gmdrm	hyper	CHH	0.0226
Gm19	2253104	2254082	Gmdrm	hyper	CHH	0.0262
Gm19	2282701	2283124	Gmdrm	hyper	CHH	0.0237
Gm19	2296443	2297217	Gmdrm	hyper	CHH	0.026
Gm19	2297327	2298302	Gmdrm	hyper	CHH	0.0223
Gm19	2380512	2381510	Gmdrm	hyper	CHH	0.0385
Gm19	2402567	2402678	Gmdrm	hyper	CHH	0.0487
Gm19	2500829	2501798	Gmdrm	hyper	CHH	0.0154
Gm19	2539828	2540341	Gmdrm	hyper	CHH	0.0502
Gm19	2568412	2569409	Gmdrm	hyper	CHH	0.0549
Gm19	2614900	2615890	Gmdrm	hyper	CHH	0.0205
Gm19	2659058	2659217	Gmdrm	hyper	CHH	0.042
Gm19	2696269	2697077	Gmdrm	hyper	CHH	0.028
Gm19	2713721	2714708	Gmdrm	hyper	CHH	0.0321
Gm19	2715747	2716741	Gmdrm	hyper	CHH	0.0213
Gm19	2850302	2850527	Gmdrm	hyper	CHH	0.0407
Gm19	2939202	2940188	Gmdrm	hyper	CHH	0.0435
Gm19	3208064	3209059	Gmdrm	hyper	CHH	0.0369
Gm19	3220928	3221888	Gmdrm	hyper	CHH	0.0251
Gm19	3236831	3237831	Gmdrm	hyper	CHH	0.0235
Gm19	3320455	3321452	Gmdrm	hyper	CHH	0.0731
Gm19	3356885	3357873	Gmdrm	hyper	CHH	0.0932
Gm19	3428650	3429637	Gmdrm	hyper	CHH	0.021
Gm19	3533476	3534468	Gmdrm	hyper	CHH	0.014
Gm19	3695994	3696984	Gmdrm	hyper	CHH	0.0104
Gm19	3704107	3705078	Gmdrm	hyper	CHH	0.0231
Gm19	3751391	3752386	Gmdrm	hyper	CHH	0.0291
Gm19	3781838	3782399	Gmdrm	hyper	CHH	0.0242
Gm19	3813433	3813613	Gmdrm	hyper	CHH	0.0364
Gm19	3820111	3821108	Gmdrm	hyper	CHH	0.0124
Gm19	3858148	3858297	Gmdrm	hyper	CHH	0.0586
Gm19	3911553	3912552	Gmdrm	hyper	CHH	0.0467
Gm19	3971861	3972861	Gmdrm	hyper	CHH	0.0109
Gm19	4269816	4270811	Gmdrm	hyper	CHH	0.038
Gm19	4270822	4271610	Gmdrm	hyper	CHH	0.0464
Gm19	4276975	4277960	Gmdrm	hyper	CHH	0.056
Gm19	4316587	4317420	Gmdrm	hyper	CHH	0.019
Gm19	4336418	4337418	Gmdrm	hyper	CHH	0.0434
Gm19	4344512	4345269	Gmdrm	hyper	CHH	0.0209
Gm19	4494675	4495035	Gmdrm	hyper	CHH	0.0217
Gm19	4503524	4504523	Gmdrm	hyper	CHH	0.0167
Gm19	4540669	4541252	Gmdrm	hyper	CHH	0.0261
Gm19	4620945	4621267	Gmdrm	hyper	CHH	0.0362

Gm19	4623712	4624697	Gmdrm	hyper	CHH	0.0206
Gm19	4625716	4626716	Gmdrm	hyper	CHH	0.0611
Gm19	4658898	4659882	Gmdrm	hyper	CHH	0.0427
Gm19	4671071	4671607	Gmdrm	hyper	CHH	0.0194
Gm19	4765469	4766468	Gmdrm	hyper	CHH	0.049
Gm19	4789297	4790270	Gmdrm	hyper	CHH	0.0162
Gm19	4790301	4791300	Gmdrm	hyper	CHH	0.033
Gm19	4800851	4801851	Gmdrm	hyper	CHH	0.0459
Gm19	4802855	4803847	Gmdrm	hyper	CHH	0.0537
Gm19	4812157	4813149	Gmdrm	hyper	CHH	0.0903
Gm19	4814621	4814923	Gmdrm	hyper	CHH	0.0415
Gm19	5018749	5019748	Gmdrm	hyper	CHH	0.0116
Gm19	5058838	5059820	Gmdrm	hyper	CHH	0.01
Gm19	5077558	5078507	Gmdrm	hyper	CHH	0.0255
Gm19	5088971	5089934	Gmdrm	hyper	CHH	0.0104
Gm19	5128123	5129048	Gmdrm	hyper	CHH	0.0228
Gm19	5194349	5195342	Gmdrm	hyper	CHH	0.0155
Gm19	5226386	5227375	Gmdrm	hyper	CHH	0.0153
Gm19	5232547	5233515	Gmdrm	hyper	CHH	0.0144
Gm19	5314294	5314324	Gmdrm	hyper	CHH	0.1167
Gm19	5533895	5534894	Gmdrm	hyper	CHH	0.1316
Gm19	5534914	5535529	Gmdrm	hyper	CHH	0.1324
Gm19	5536398	5537396	Gmdrm	hyper	CHH	0.0878
Gm19	5577728	5578719	Gmdrm	hyper	CHH	0.0178
Gm19	5640116	5641089	Gmdrm	hyper	CHH	0.0313
Gm19	5676141	5676537	Gmdrm	hyper	CHH	0.0813
Gm19	5910336	5911209	Gmdrm	hyper	CHH	0.0159
Gm19	5948198	5949198	Gmdrm	hyper	CHH	0.0418
Gm19	5949211	5950210	Gmdrm	hyper	CHH	0.0636
Gm19	5950213	5951209	Gmdrm	hyper	CHH	0.0883
Gm19	5951784	5952778	Gmdrm	hyper	CHH	0.0618
Gm19	5967235	5968210	Gmdrm	hyper	CHH	0.0578
Gm19	5972789	5973787	Gmdrm	hyper	CHH	0.0909
Gm19	5976978	5977973	Gmdrm	hyper	CHH	0.0823
Gm19	5978391	5979388	Gmdrm	hyper	CHH	0.0712
Gm19	5979394	5980380	Gmdrm	hyper	CHH	0.0516
Gm19	5980396	5981391	Gmdrm	hyper	CHH	0.0594
Gm19	5981401	5982397	Gmdrm	hyper	CHH	0.0537
Gm19	5982406	5983405	Gmdrm	hyper	CHH	0.0643
Gm19	5987426	5988423	Gmdrm	hyper	CHH	0.0465
Gm19	6002110	6003101	Gmdrm	hyper	CHH	0.0164
Gm19	6033758	6033828	Gmdrm	hyper	CHH	0.07
Gm19	6046955	6047947	Gmdrm	hyper	CHH	0.0482
Gm19	6081035	6082028	Gmdrm	hyper	CHH	0.0167
Gm19	6100377	6100632	Gmdrm	hyper	CHH	0.042
Gm19	6123668	6124644	Gmdrm	hyper	CHH	0.0401

Gm19	6173879	6174873	Gmdrm	hyper	CHH	0.0242
Gm19	6176895	6177892	Gmdrm	hyper	CHH	0.0553
Gm19	6252941	6253917	Gmdrm	hyper	CHH	0.0246
Gm19	6305429	6306419	Gmdrm	hyper	CHH	0.0305
Gm19	6557915	6558907	Gmdrm	hyper	CHH	0.0184
Gm19	6575416	6576416	Gmdrm	hyper	CHH	0.0547
Gm19	6677108	6678045	Gmdrm	hyper	CHH	0.0336
Gm19	6730975	6731964	Gmdrm	hyper	CHH	0.1262
Gm19	6885686	6886684	Gmdrm	hyper	CHH	0.0448
Gm19	6927778	6928747	Gmdrm	hyper	CHH	0.0663
Gm19	7082233	7083227	Gmdrm	hyper	CHH	0.0581
Gm19	7182671	7183007	Gmdrm	hyper	CHH	0.0426
Gm19	7338926	7339310	Gmdrm	hyper	CHH	0.0345
Gm19	7370930	7371903	Gmdrm	hyper	CHH	0.0233
Gm19	7452116	7453112	Gmdrm	hyper	CHH	0.0178
Gm19	7715069	7715391	Gmdrm	hyper	CHH	0.0528
Gm19	7715503	7716500	Gmdrm	hyper	CHH	0.0494
Gm19	7853427	7854423	Gmdrm	hyper	CHH	0.0135
Gm19	7872759	7873706	Gmdrm	hyper	CHH	0.0476
Gm19	7991126	7991641	Gmdrm	hyper	CHH	0.0975
Gm19	8038218	8038784	Gmdrm	hyper	CHH	0.0249
Gm19	8194433	8195413	Gmdrm	hyper	CHH	0.0131
Gm19	8323130	8323286	Gmdrm	hyper	CHH	0.1609
Gm19	8418064	8419053	Gmdrm	hyper	CHH	0.0146
Gm19	8420872	8421862	Gmdrm	hyper	CHH	0.0195
Gm19	8505276	8506251	Gmdrm	hyper	CHH	0.0135
Gm19	8506280	8507241	Gmdrm	hyper	CHH	0.0186
Gm19	8669030	8669053	Gmdrm	hyper	CHH	0.114
Gm19	8795170	8795923	Gmdrm	hyper	CHH	0.0402
Gm19	8850374	8851372	Gmdrm	hyper	CHH	0.1086
Gm19	8851378	8852378	Gmdrm	hyper	CHH	0.0971
Gm19	9196203	9197018	Gmdrm	hyper	CHH	0.0258
Gm19	9198169	9199153	Gmdrm	hyper	CHH	0.0288
Gm19	9200503	9201500	Gmdrm	hyper	CHH	0.0193
Gm19	9290039	9291035	Gmdrm	hyper	CHH	0.0103
Gm19	9338910	9339892	Gmdrm	hyper	CHH	0.0178
Gm19	9347865	9348146	Gmdrm	hyper	CHH	0.0666
Gm19	9428220	9428504	Gmdrm	hyper	CHH	0.1927
Gm19	9568299	9569296	Gmdrm	hyper	CHH	0.0434
Gm19	9569307	9570305	Gmdrm	hyper	CHH	0.0551
Gm19	9571321	9572318	Gmdrm	hyper	CHH	0.049
Gm19	9587693	9587821	Gmdrm	hyper	CHH	0.0765
Gm19	9726845	9727844	Gmdrm	hyper	CHH	0.0313
Gm19	10059789	10059907	Gmdrm	hyper	CHH	0.1057
Gm19	10091414	10091752	Gmdrm	hyper	CHH	0.1215
Gm19	10130338	10131337	Gmdrm	hyper	CHH	0.0658

Gm19	10436457	10437457	Gmdrm	hyper	CHH	0.0346
Gm19	10458939	10459069	Gmdrm	hyper	CHH	0.1925
Gm19	10604393	10605117	Gmdrm	hyper	CHH	0.08
Gm19	10780179	10781175	Gmdrm	hyper	CHH	0.0462
Gm19	10943477	10944477	Gmdrm	hyper	CHH	0.0378
Gm19	10963536	10964534	Gmdrm	hyper	CHH	0.0369
Gm19	11622104	11622432	Gmdrm	hyper	CHH	0.0753
Gm19	11767689	11768685	Gmdrm	hyper	CHH	0.0694
Gm19	11815510	11815982	Gmdrm	hyper	CHH	0.0884
Gm19	11820905	11821895	Gmdrm	hyper	CHH	0.0401
Gm19	11931733	11932037	Gmdrm	hyper	CHH	0.1057
Gm19	11979877	11979948	Gmdrm	hyper	CHH	0.1767
Gm19	12274328	12275328	Gmdrm	hyper	CHH	0.0488
Gm19	12279820	12280812	Gmdrm	hyper	CHH	0.0602
Gm19	12301535	12302219	Gmdrm	hyper	CHH	0.0196
Gm19	12805789	12806785	Gmdrm	hyper	CHH	0.0615
Gm19	13036713	13037060	Gmdrm	hyper	CHH	0.0283
Gm19	13091981	13092964	Gmdrm	hyper	CHH	0.0162
Gm19	13372478	13373167	Gmdrm	hyper	CHH	0.0908
Gm19	13396514	13396555	Gmdrm	hyper	CHH	0.3811
Gm19	13417445	13418443	Gmdrm	hyper	CHH	0.0507
Gm19	13418448	13419447	Gmdrm	hyper	CHH	0.0534
Gm19	13472736	13473302	Gmdrm	hyper	CHH	0.0225
Gm19	13474311	13475295	Gmdrm	hyper	CHH	0.027
Gm19	13503259	13504247	Gmdrm	hyper	CHH	0.034
Gm19	13683596	13684591	Gmdrm	hyper	CHH	0.0398
Gm19	13725372	13726370	Gmdrm	hyper	CHH	0.058
Gm19	13827628	13828441	Gmdrm	hyper	CHH	0.0885
Gm19	13908581	13908749	Gmdrm	hyper	CHH	0.13
Gm19	13917170	13917301	Gmdrm	hyper	CHH	0.22
Gm19	14004503	14004918	Gmdrm	hyper	CHH	0.0305
Gm19	14350887	14351875	Gmdrm	hyper	CHH	0.0134
Gm19	14360660	14361634	Gmdrm	hyper	CHH	0.0186
Gm19	14361683	14362681	Gmdrm	hyper	CHH	0.0116
Gm19	14393333	14394331	Gmdrm	hyper	CHH	0.0465
Gm19	15070742	15070806	Gmdrm	hyper	CHH	0.192
Gm19	15156919	15157919	Gmdrm	hyper	CHH	0.0438
Gm19	15157928	15158898	Gmdrm	hyper	CHH	0.0867
Gm19	15369385	15370362	Gmdrm	hyper	CHH	0.0496
Gm19	15400920	15401030	Gmdrm	hyper	CHH	0.1944
Gm19	15463929	15464923	Gmdrm	hyper	CHH	0.0467
Gm19	15658989	15659357	Gmdrm	hyper	CHH	0.04
Gm19	15665795	15666114	Gmdrm	hyper	CHH	0.0413
Gm19	15682931	15683892	Gmdrm	hyper	CHH	0.0659
Gm19	15811491	15812489	Gmdrm	hyper	CHH	0.063
Gm19	16207858	16208025	Gmdrm	hyper	CHH	0.1784

Gm19	16233291	16233948	Gmdrm	hyper	CHH	0.1027
Gm19	16273427	16273494	Gmdrm	hyper	CHH	0.2144
Gm19	16414588	16414705	Gmdrm	hyper	CHH	0.166
Gm19	16588368	16588492	Gmdrm	hyper	CHH	0.1222
Gm19	16901195	16902028	Gmdrm	hyper	CHH	0.0608
Gm19	17511121	17511145	Gmdrm	hyper	CHH	0.208
Gm19	17957497	17957554	Gmdrm	hyper	CHH	0.1925
Gm19	17994797	17995763	Gmdrm	hyper	CHH	0.049
Gm19	18174151	18174295	Gmdrm	hyper	CHH	0.1257
Gm19	18240474	18240677	Gmdrm	hyper	CHH	0.1569
Gm19	18782703	18782961	Gmdrm	hyper	CHH	0.1933
Gm19	18818346	18819343	Gmdrm	hyper	CHH	0.0636
Gm19	18974028	18974565	Gmdrm	hyper	CHH	0.0909
Gm19	19155115	19155314	Gmdrm	hyper	CHH	0.1083
Gm19	19172418	19173232	Gmdrm	hyper	CHH	0.0215
Gm19	19182352	19183265	Gmdrm	hyper	CHH	0.0171
Gm19	19409616	19409722	Gmdrm	hyper	CHH	0.159
Gm19	19487572	19488561	Gmdrm	hyper	CHH	0.056
Gm19	19515926	19515948	Gmdrm	hyper	CHH	0.205
Gm19	19533624	19534401	Gmdrm	hyper	CHH	0.062
Gm19	20127946	20128931	Gmdrm	hyper	CHH	0.0555
Gm19	20141585	20142585	Gmdrm	hyper	CHH	0.0457
Gm19	20182698	20183680	Gmdrm	hyper	CHH	0.0302
Gm19	20184028	20184391	Gmdrm	hyper	CHH	0.031
Gm19	20519552	20520543	Gmdrm	hyper	CHH	0.0339
Gm19	20712093	20713088	Gmdrm	hyper	CHH	0.0597
Gm19	20753460	20753491	Gmdrm	hyper	CHH	0.076
Gm19	20921038	20921146	Gmdrm	hyper	CHH	0.272
Gm19	21057772	21057835	Gmdrm	hyper	CHH	0.28
Gm19	21100209	21101152	Gmdrm	hyper	CHH	0.0629
Gm19	21128992	21129349	Gmdrm	hyper	CHH	0.0793
Gm19	21286862	21287861	Gmdrm	hyper	CHH	0.0605
Gm19	21287865	21288864	Gmdrm	hyper	CHH	0.0783
Gm19	21288866	21289461	Gmdrm	hyper	CHH	0.1047
Gm19	21289633	21290403	Gmdrm	hyper	CHH	0.142
Gm19	21290522	21291520	Gmdrm	hyper	CHH	0.0856
Gm19	21293486	21294485	Gmdrm	hyper	CHH	0.0759
Gm19	21294493	21295484	Gmdrm	hyper	CHH	0.081
Gm19	21297024	21297962	Gmdrm	hyper	CHH	0.0772
Gm19	21301591	21302093	Gmdrm	hyper	CHH	0.1022
Gm19	21302292	21303289	Gmdrm	hyper	CHH	0.0834
Gm19	21305345	21306344	Gmdrm	hyper	CHH	0.0692
Gm19	21306348	21306927	Gmdrm	hyper	CHH	0.0751
Gm19	21487831	21488783	Gmdrm	hyper	CHH	0.0203
Gm19	21562714	21563713	Gmdrm	hyper	CHH	0.0386
Gm19	21711545	21712536	Gmdrm	hyper	CHH	0.0359

Gm19	21930076	21930204	Gmdrm	hyper	CHH	0.136
Gm19	22021060	22022006	Gmdrm	hyper	CHH	0.0421
Gm19	22158583	22158780	Gmdrm	hyper	CHH	0.1645
Gm19	22310723	22311005	Gmdrm	hyper	CHH	0.1187
Gm19	22733401	22734059	Gmdrm	hyper	CHH	0.0733
Gm19	22742127	22742140	Gmdrm	hyper	CHH	0.184
Gm19	22865720	22866112	Gmdrm	hyper	CHH	0.1613
Gm19	22868719	22868771	Gmdrm	hyper	CHH	0.188
Gm19	22965525	22966185	Gmdrm	hyper	CHH	0.0416
Gm19	22967838	22968819	Gmdrm	hyper	CHH	0.0185
Gm19	23118736	23119725	Gmdrm	hyper	CHH	0.0638
Gm19	23258667	23259621	Gmdrm	hyper	CHH	0.0575
Gm19	23458526	23458959	Gmdrm	hyper	CHH	0.0833
Gm19	23525200	23525230	Gmdrm	hyper	CHH	0.1714
Gm19	23549596	23550589	Gmdrm	hyper	CHH	0.0374
Gm19	23740381	23740599	Gmdrm	hyper	CHH	0.1209
Gm19	23749271	23749665	Gmdrm	hyper	CHH	0.1074
Gm19	23761216	23762143	Gmdrm	hyper	CHH	0.0554
Gm19	23827624	23827782	Gmdrm	hyper	CHH	0.2266
Gm19	23838095	23838238	Gmdrm	hyper	CHH	0.1833
Gm19	24228589	24229585	Gmdrm	hyper	CHH	0.0327
Gm19	24230596	24231588	Gmdrm	hyper	CHH	0.0479
Gm19	24256473	24256749	Gmdrm	hyper	CHH	0.1028
Gm19	24330532	24331403	Gmdrm	hyper	CHH	0.0911
Gm19	24350394	24351365	Gmdrm	hyper	CHH	0.0488
Gm19	24456426	24456521	Gmdrm	hyper	CHH	0.1207
Gm19	24543628	24544628	Gmdrm	hyper	CHH	0.0152
Gm19	24586137	24587136	Gmdrm	hyper	CHH	0.0422
Gm19	24601450	24602444	Gmdrm	hyper	CHH	0.0573
Gm19	24831781	24832777	Gmdrm	hyper	CHH	0.0491
Gm19	24927027	24927167	Gmdrm	hyper	CHH	0.1575
Gm19	24945822	24946814	Gmdrm	hyper	CHH	0.0501
Gm19	25019016	25019158	Gmdrm	hyper	CHH	0.0521
Gm19	25111562	25112553	Gmdrm	hyper	CHH	0.0231
Gm19	25119885	25120879	Gmdrm	hyper	CHH	0.0215
Gm19	25611123	25611172	Gmdrm	hyper	CHH	0.1872
Gm19	25731276	25732272	Gmdrm	hyper	CHH	0.0248
Gm19	25732330	25732460	Gmdrm	hyper	CHH	0.074
Gm19	26254540	26254658	Gmdrm	hyper	CHH	0.1678
Gm19	26263167	26264167	Gmdrm	hyper	CHH	0.0451
Gm19	26283834	26284834	Gmdrm	hyper	CHH	0.1018
Gm19	27063861	27064532	Gmdrm	hyper	CHH	0.075
Gm19	27069421	27069921	Gmdrm	hyper	CHH	0.0518
Gm19	27114064	27115063	Gmdrm	hyper	CHH	0.0836
Gm19	27288247	27288427	Gmdrm	hyper	CHH	0.2294
Gm19	27321603	27322164	Gmdrm	hyper	CHH	0.0685

Gm19	27376688	27376867	Gmdrm	hyper	CHH	0.0635
Gm19	27411219	27412210	Gmdrm	hyper	CHH	0.0281
Gm19	27582048	27583034	Gmdrm	hyper	CHH	0.0156
Gm19	27596291	27597276	Gmdrm	hyper	CHH	0.0337
Gm19	27802347	27802472	Gmdrm	hyper	CHH	0.1355
Gm19	27808935	27809933	Gmdrm	hyper	CHH	0.0469
Gm19	27810949	27811944	Gmdrm	hyper	CHH	0.0947
Gm19	27811957	27812955	Gmdrm	hyper	CHH	0.0642
Gm19	27812965	27813964	Gmdrm	hyper	CHH	0.0614
Gm19	27813969	27814969	Gmdrm	hyper	CHH	0.0643
Gm19	27824668	27824857	Gmdrm	hyper	CHH	0.0743
Gm19	27825998	27826992	Gmdrm	hyper	CHH	0.0275
Gm19	27917240	27918216	Gmdrm	hyper	CHH	0.0235
Gm19	28091932	28092771	Gmdrm	hyper	CHH	0.025
Gm19	28115685	28116382	Gmdrm	hyper	CHH	0.015
Gm19	28242341	28243048	Gmdrm	hyper	CHH	0.0188
Gm19	28303230	28303906	Gmdrm	hyper	CHH	0.0281
Gm19	28442429	28443427	Gmdrm	hyper	CHH	0.0249
Gm19	28486626	28487624	Gmdrm	hyper	CHH	0.0231
Gm19	28557262	28558039	Gmdrm	hyper	CHH	0.0159
Gm19	28749876	28750857	Gmdrm	hyper	CHH	0.0561
Gm19	28767510	28768501	Gmdrm	hyper	CHH	0.0376
Gm19	28927091	28928083	Gmdrm	hyper	CHH	0.0145
Gm19	28938969	28939969	Gmdrm	hyper	CHH	0.0753
Gm19	28939974	28940968	Gmdrm	hyper	CHH	0.1273
Gm19	28940983	28941964	Gmdrm	hyper	CHH	0.1174
Gm19	29034947	29035947	Gmdrm	hyper	CHH	0.0567
Gm19	29052421	29053420	Gmdrm	hyper	CHH	0.0549
Gm19	29108363	29108510	Gmdrm	hyper	CHH	0.1412
Gm19	29285631	29285683	Gmdrm	hyper	CHH	0.2545
Gm19	29297334	29298327	Gmdrm	hyper	CHH	0.041
Gm19	29314202	29314373	Gmdrm	hyper	CHH	0.1737
Gm19	29454661	29455656	Gmdrm	hyper	CHH	0.0163
Gm19	29538280	29539278	Gmdrm	hyper	CHH	0.033
Gm19	29609422	29610420	Gmdrm	hyper	CHH	0.0418
Gm19	29678813	29679806	Gmdrm	hyper	CHH	0.0531
Gm19	29727016	29728011	Gmdrm	hyper	CHH	0.0317
Gm19	29798982	29799979	Gmdrm	hyper	CHH	0.027
Gm19	29850014	29851009	Gmdrm	hyper	CHH	0.0385
Gm19	29967377	29968369	Gmdrm	hyper	CHH	0.0475
Gm19	30016053	30016331	Gmdrm	hyper	CHH	0.11
Gm19	30137604	30137675	Gmdrm	hyper	CHH	0.217
Gm19	30150007	30150036	Gmdrm	hyper	CHH	0.2083
Gm19	30295711	30295790	Gmdrm	hyper	CHH	0.0467
Gm19	30364178	30365139	Gmdrm	hyper	CHH	0.0631
Gm19	30646076	30647076	Gmdrm	hyper	CHH	0.0529

Gm19	30689072	30690062	Gmdrm	hyper	CHH	0.0421
Gm19	30748514	30749502	Gmdrm	hyper	CHH	0.0148
Gm19	30861812	30862799	Gmdrm	hyper	CHH	0.0424
Gm19	30898683	30899677	Gmdrm	hyper	CHH	0.0245
Gm19	31157618	31158618	Gmdrm	hyper	CHH	0.0424
Gm19	31195846	31196844	Gmdrm	hyper	CHH	0.019
Gm19	31224033	31225029	Gmdrm	hyper	CHH	0.0415
Gm19	31225040	31226039	Gmdrm	hyper	CHH	0.155
Gm19	31226052	31227036	Gmdrm	hyper	CHH	0.0767
Gm19	31406376	31407375	Gmdrm	hyper	CHH	0.0452
Gm19	31502124	31502933	Gmdrm	hyper	CHH	0.0704
Gm19	31537824	31538815	Gmdrm	hyper	CHH	0.0129
Gm19	31547558	31548551	Gmdrm	hyper	CHH	0.0201
Gm19	31638688	31639683	Gmdrm	hyper	CHH	0.0174
Gm19	31671082	31672045	Gmdrm	hyper	CHH	0.0725
Gm19	31749360	31750349	Gmdrm	hyper	CHH	0.019
Gm19	31789432	31790409	Gmdrm	hyper	CHH	0.0151
Gm19	32118379	32119377	Gmdrm	hyper	CHH	0.0546
Gm19	32146699	32146973	Gmdrm	hyper	CHH	0.05
Gm19	32149279	32149928	Gmdrm	hyper	CHH	0.0346
Gm19	32220631	32220922	Gmdrm	hyper	CHH	0.04
Gm19	32434890	32435887	Gmdrm	hyper	CHH	0.0269
Gm19	32602526	32603525	Gmdrm	hyper	CHH	0.036
Gm19	32832190	32833175	Gmdrm	hyper	CHH	0.0142
Gm19	32912402	32913397	Gmdrm	hyper	CHH	0.0165
Gm19	32972778	32972946	Gmdrm	hyper	CHH	0.0522
Gm19	33058732	33059718	Gmdrm	hyper	CHH	0.0363
Gm19	33144496	33145325	Gmdrm	hyper	CHH	0.0955
Gm19	33257606	33258599	Gmdrm	hyper	CHH	0.0221
Gm19	33376204	33377187	Gmdrm	hyper	CHH	0.0152
Gm19	33522842	33523837	Gmdrm	hyper	CHH	0.054
Gm19	33719175	33720174	Gmdrm	hyper	CHH	0.059
Gm19	33738216	33739212	Gmdrm	hyper	CHH	0.0179
Gm19	33815160	33816148	Gmdrm	hyper	CHH	0.0086
Gm19	33831445	33832437	Gmdrm	hyper	CHH	0.0447
Gm19	33834492	33835488	Gmdrm	hyper	CHH	0.021
Gm19	33872603	33873598	Gmdrm	hyper	CHH	0.0473
Gm19	34067880	34068872	Gmdrm	hyper	CHH	0.0215
Gm19	34346953	34347024	Gmdrm	hyper	CHH	0.1318
Gm19	34513039	34513974	Gmdrm	hyper	CHH	0.0228
Gm19	34565375	34566342	Gmdrm	hyper	CHH	0.022
Gm19	34606284	34606737	Gmdrm	hyper	CHH	0.1451
Gm19	34633032	34633289	Gmdrm	hyper	CHH	0.0149
Gm19	34658198	34659194	Gmdrm	hyper	CHH	0.0429
Gm19	34775265	34776265	Gmdrm	hyper	CHH	0.0162
Gm19	34782024	34783014	Gmdrm	hyper	CHH	0.0205

Gm19	34805878	34806046	Gmdrm	hyper	CHH	0.138
Gm19	34859001	34859999	Gmdrm	hyper	CHH	0.0338
Gm19	34861017	34862017	Gmdrm	hyper	CHH	0.0383
Gm19	34869867	34870592	Gmdrm	hyper	CHH	0.0215
Gm19	34870695	34871691	Gmdrm	hyper	CHH	0.014
Gm19	34890562	34890745	Gmdrm	hyper	CHH	0.1106
Gm19	34893091	34893276	Gmdrm	hyper	CHH	0.045
Gm19	34931657	34932656	Gmdrm	hyper	CHH	0.026
Gm19	34997632	34998624	Gmdrm	hyper	CHH	0.0314
Gm19	35032018	35033018	Gmdrm	hyper	CHH	0.0356
Gm19	35134634	35135602	Gmdrm	hyper	CHH	0.0151
Gm19	35151103	35152086	Gmdrm	hyper	CHH	0.0098
Gm19	35207094	35208075	Gmdrm	hyper	CHH	0.014
Gm19	35249135	35249935	Gmdrm	hyper	CHH	0.0183
Gm19	35292044	35293042	Gmdrm	hyper	CHH	0.0478
Gm19	35301494	35301933	Gmdrm	hyper	CHH	0.0593
Gm19	35656002	35656540	Gmdrm	hyper	CHH	0.042
Gm19	35658882	35659210	Gmdrm	hyper	CHH	0.0225
Gm19	35663346	35664344	Gmdrm	hyper	CHH	0.0549
Gm19	35724749	35725728	Gmdrm	hyper	CHH	0.043
Gm19	35749062	35750061	Gmdrm	hyper	CHH	0.0597
Gm19	35826759	35827757	Gmdrm	hyper	CHH	0.0183
Gm19	35903842	35904838	Gmdrm	hyper	CHH	0.0332
Gm19	36148667	36149662	Gmdrm	hyper	CHH	0.1418
Gm19	36149668	36150633	Gmdrm	hyper	CHH	0.112
Gm19	36187962	36188945	Gmdrm	hyper	CHH	0.0159
Gm19	36225332	36226299	Gmdrm	hyper	CHH	0.0305
Gm19	36233675	36234605	Gmdrm	hyper	CHH	0.0163
Gm19	36374646	36375020	Gmdrm	hyper	CHH	0.0322
Gm19	36416886	36417847	Gmdrm	hyper	CHH	0.0258
Gm19	36569424	36570136	Gmdrm	hyper	CHH	0.0284
Gm19	36618471	36619460	Gmdrm	hyper	CHH	0.0144
Gm19	36624694	36625673	Gmdrm	hyper	CHH	0.0169
Gm19	36713263	36714246	Gmdrm	hyper	CHH	0.0331
Gm19	36799515	36799906	Gmdrm	hyper	CHH	0.0585
Gm19	36940498	36941492	Gmdrm	hyper	CHH	0.0206
Gm19	36971574	36972574	Gmdrm	hyper	CHH	0.0401
Gm19	36972581	36973571	Gmdrm	hyper	CHH	0.0339
Gm19	37044810	37045790	Gmdrm	hyper	CHH	0.0202
Gm19	37053318	37054317	Gmdrm	hyper	CHH	0.0253
Gm19	37081626	37082625	Gmdrm	hyper	CHH	0.0202
Gm19	37114553	37115266	Gmdrm	hyper	CHH	0.0175
Gm19	37137309	37137551	Gmdrm	hyper	CHH	0.0334
Gm19	37137810	37138807	Gmdrm	hyper	CHH	0.0182
Gm19	37187396	37188228	Gmdrm	hyper	CHH	0.0179
Gm19	37374288	37374790	Gmdrm	hyper	CHH	0.0488

Gm19	37416283	37417283	Gmdrm	hyper	CHH	0.0422
Gm19	37422300	37422746	Gmdrm	hyper	CHH	0.0177
Gm19	37424336	37425317	Gmdrm	hyper	CHH	0.0169
Gm19	37515243	37516147	Gmdrm	hyper	CHH	0.021
Gm19	37600463	37600812	Gmdrm	hyper	CHH	0.0354
Gm19	37603802	37604784	Gmdrm	hyper	CHH	0.0175
Gm19	37691293	37692285	Gmdrm	hyper	CHH	0.0539
Gm19	37716903	37717891	Gmdrm	hyper	CHH	0.0301
Gm19	37717995	37718975	Gmdrm	hyper	CHH	0.0242
Gm19	37771989	37772272	Gmdrm	hyper	CHH	0.0232
Gm19	37903080	37904076	Gmdrm	hyper	CHH	0.0159
Gm19	37999333	38000326	Gmdrm	hyper	CHH	0.0552
Gm19	38080589	38081584	Gmdrm	hyper	CHH	0.0199
Gm19	38110731	38111673	Gmdrm	hyper	CHH	0.0156
Gm19	38145190	38146129	Gmdrm	hyper	CHH	0.0249
Gm19	38158182	38158749	Gmdrm	hyper	CHH	0.0205
Gm19	38166573	38166841	Gmdrm	hyper	CHH	0.0387
Gm19	38173473	38174464	Gmdrm	hyper	CHH	0.0274
Gm19	38294734	38295719	Gmdrm	hyper	CHH	0.0132
Gm19	38306859	38307859	Gmdrm	hyper	CHH	0.0168
Gm19	38320262	38321253	Gmdrm	hyper	CHH	0.0203
Gm19	38365807	38365887	Gmdrm	hyper	CHH	0.0483
Gm19	38389055	38390036	Gmdrm	hyper	CHH	0.0422
Gm19	38466118	38466265	Gmdrm	hyper	CHH	0.0314
Gm19	38547262	38548259	Gmdrm	hyper	CHH	0.0149
Gm19	38549454	38550076	Gmdrm	hyper	CHH	0.0195
Gm19	38639918	38640912	Gmdrm	hyper	CHH	0.0358
Gm19	38640925	38641924	Gmdrm	hyper	CHH	0.0457
Gm19	38656404	38657396	Gmdrm	hyper	CHH	0.0121
Gm19	38664380	38665380	Gmdrm	hyper	CHH	0.012
Gm19	38670268	38671265	Gmdrm	hyper	CHH	0.0167
Gm19	38698376	38699369	Gmdrm	hyper	CHH	0.0252
Gm19	38708743	38709736	Gmdrm	hyper	CHH	0.0171
Gm19	38756805	38757797	Gmdrm	hyper	CHH	0.0186
Gm19	38783368	38784316	Gmdrm	hyper	CHH	0.0176
Gm19	38798514	38799503	Gmdrm	hyper	CHH	0.0172
Gm19	38820916	38821289	Gmdrm	hyper	CHH	0.0387
Gm19	38861902	38862452	Gmdrm	hyper	CHH	0.0447
Gm19	38897417	38898386	Gmdrm	hyper	CHH	0.0252
Gm19	38927459	38928445	Gmdrm	hyper	CHH	0.0118
Gm19	38932092	38933080	Gmdrm	hyper	CHH	0.0153
Gm19	38934125	38935068	Gmdrm	hyper	CHH	0.0261
Gm19	38942557	38943553	Gmdrm	hyper	CHH	0.0239
Gm19	39069233	39069505	Gmdrm	hyper	CHH	0.05
Gm19	39087610	39088603	Gmdrm	hyper	CHH	0.0152
Gm19	39152910	39153126	Gmdrm	hyper	CHH	0.035

Gm19	39226764	39227705	Gmdrm	hyper	CHH	0.0119
Gm19	39266690	39267655	Gmdrm	hyper	CHH	0.0261
Gm19	39282676	39283668	Gmdrm	hyper	CHH	0.0155
Gm19	39318353	39319320	Gmdrm	hyper	CHH	0.0117
Gm19	39397090	39398079	Gmdrm	hyper	CHH	0.0205
Gm19	39413232	39414223	Gmdrm	hyper	CHH	0.0341
Gm19	39440372	39441368	Gmdrm	hyper	CHH	0.0202
Gm19	39496702	39497696	Gmdrm	hyper	CHH	0.0186
Gm19	39541121	39542118	Gmdrm	hyper	CHH	0.0255
Gm19	39580880	39581872	Gmdrm	hyper	CHH	0.0145
Gm19	39581893	39582888	Gmdrm	hyper	CHH	0.0121
Gm19	39611270	39612233	Gmdrm	hyper	CHH	0.0241
Gm19	39615319	39616312	Gmdrm	hyper	CHH	0.0285
Gm19	39656340	39657326	Gmdrm	hyper	CHH	0.021
Gm19	39669622	39670124	Gmdrm	hyper	CHH	0.0342
Gm19	39750801	39751799	Gmdrm	hyper	CHH	0.0129
Gm19	39805251	39805348	Gmdrm	hyper	CHH	0.0327
Gm19	39805476	39806410	Gmdrm	hyper	CHH	0.0114
Gm19	39849466	39850300	Gmdrm	hyper	CHH	0.0231
Gm19	39875426	39876368	Gmdrm	hyper	CHH	0.0162
Gm19	39913476	39914465	Gmdrm	hyper	CHH	0.0214
Gm19	39927535	39928515	Gmdrm	hyper	CHH	0.0333
Gm19	40001630	40002616	Gmdrm	hyper	CHH	0.0148
Gm19	40014132	40014262	Gmdrm	hyper	CHH	0.056
Gm19	40161090	40162067	Gmdrm	hyper	CHH	0.0194
Gm19	40173368	40174353	Gmdrm	hyper	CHH	0.0279
Gm19	40275434	40275542	Gmdrm	hyper	CHH	0.17
Gm19	40309891	40310867	Gmdrm	hyper	CHH	0.0149
Gm19	40351851	40351998	Gmdrm	hyper	CHH	0.0634
Gm19	40362185	40363166	Gmdrm	hyper	CHH	0.0154
Gm19	40392978	40393954	Gmdrm	hyper	CHH	0.0141
Gm19	40417375	40417888	Gmdrm	hyper	CHH	0.0291
Gm19	40420226	40420630	Gmdrm	hyper	CHH	0.04
Gm19	40462502	40463375	Gmdrm	hyper	CHH	0.0241
Gm19	40463743	40464731	Gmdrm	hyper	CHH	0.0172
Gm19	40584988	40585977	Gmdrm	hyper	CHH	0.0117
Gm19	40598094	40599093	Gmdrm	hyper	CHH	0.0302
Gm19	40599095	40600085	Gmdrm	hyper	CHH	0.0261
Gm19	40615250	40616227	Gmdrm	hyper	CHH	0.0288
Gm19	40631388	40632373	Gmdrm	hyper	CHH	0.019
Gm19	40633428	40634424	Gmdrm	hyper	CHH	0.01
Gm19	40646051	40646729	Gmdrm	hyper	CHH	0.0332
Gm19	40646872	40647061	Gmdrm	hyper	CHH	0.0818
Gm19	40656075	40657066	Gmdrm	hyper	CHH	0.0109
Gm19	40692715	40693699	Gmdrm	hyper	CHH	0.0128
Gm19	40702512	40703091	Gmdrm	hyper	CHH	0.0231

Gm19	40777410	40778318	Gmdrm	hyper	CHH	0.0184
Gm19	40797297	40798297	Gmdrm	hyper	CHH	0.0212
Gm19	40875330	40876310	Gmdrm	hyper	CHH	0.0129
Gm19	40976318	40976692	Gmdrm	hyper	CHH	0.0221
Gm19	40984235	40984918	Gmdrm	hyper	CHH	0.0195
Gm19	40985032	40986021	Gmdrm	hyper	CHH	0.0153
Gm19	41036641	41037635	Gmdrm	hyper	CHH	0.0161
Gm19	41043081	41043966	Gmdrm	hyper	CHH	0.0327
Gm19	41057819	41058772	Gmdrm	hyper	CHH	0.0191
Gm19	41116835	41117833	Gmdrm	hyper	CHH	0.0232
Gm19	41120865	41121862	Gmdrm	hyper	CHH	0.0123
Gm19	41152746	41153097	Gmdrm	hyper	CHH	0.0347
Gm19	41169596	41170448	Gmdrm	hyper	CHH	0.0201
Gm19	41179084	41180079	Gmdrm	hyper	CHH	0.0191
Gm19	41199010	41200001	Gmdrm	hyper	CHH	0.0217
Gm19	41230439	41230567	Gmdrm	hyper	CHH	0.0245
Gm19	41273227	41274221	Gmdrm	hyper	CHH	0.0231
Gm19	41330233	41331174	Gmdrm	hyper	CHH	0.0234
Gm19	41337764	41338744	Gmdrm	hyper	CHH	0.0181
Gm19	41458055	41458697	Gmdrm	hyper	CHH	0.0319
Gm19	41515037	41516010	Gmdrm	hyper	CHH	0.0186
Gm19	41529795	41530793	Gmdrm	hyper	CHH	0.0291
Gm19	41595398	41596388	Gmdrm	hyper	CHH	0.0477
Gm19	41639698	41640212	Gmdrm	hyper	CHH	0.0341
Gm19	41669312	41670184	Gmdrm	hyper	CHH	0.0249
Gm19	41710188	41711181	Gmdrm	hyper	CHH	0.0234
Gm19	41734419	41735403	Gmdrm	hyper	CHH	0.0114
Gm19	41789615	41790609	Gmdrm	hyper	CHH	0.0138
Gm19	41792170	41792565	Gmdrm	hyper	CHH	0.0316
Gm19	41947248	41947505	Gmdrm	hyper	CHH	0.0538
Gm19	41977344	41978292	Gmdrm	hyper	CHH	0.0313
Gm19	42228658	42229104	Gmdrm	hyper	CHH	0.0265
Gm19	42236291	42237291	Gmdrm	hyper	CHH	0.0459
Gm19	42238321	42239306	Gmdrm	hyper	CHH	0.0416
Gm19	42350642	42351133	Gmdrm	hyper	CHH	0.0295
Gm19	42362820	42363815	Gmdrm	hyper	CHH	0.0277
Gm19	42372882	42373870	Gmdrm	hyper	CHH	0.017
Gm19	42386808	42387793	Gmdrm	hyper	CHH	0.0254
Gm19	42432249	42433228	Gmdrm	hyper	CHH	0.0143
Gm19	42474739	42475734	Gmdrm	hyper	CHH	0.0187
Gm19	42540603	42540754	Gmdrm	hyper	CHH	0.0514
Gm19	42629190	42630187	Gmdrm	hyper	CHH	0.0124
Gm19	42663140	42663896	Gmdrm	hyper	CHH	0.0314
Gm19	42679195	42679332	Gmdrm	hyper	CHH	0.0192
Gm19	42713597	42714583	Gmdrm	hyper	CHH	0.0194
Gm19	42717275	42717902	Gmdrm	hyper	CHH	0.0352

Gm19	42749560	42750550	Gmdrm	hyper	CHH	0.0183
Gm19	42750894	42751885	Gmdrm	hyper	CHH	0.0237
Gm19	42761019	42762009	Gmdrm	hyper	CHH	0.0149
Gm19	42795873	42796872	Gmdrm	hyper	CHH	0.0228
Gm19	42811601	42811774	Gmdrm	hyper	CHH	0.045
Gm19	42895713	42896312	Gmdrm	hyper	CHH	0.0251
Gm19	42938138	42939120	Gmdrm	hyper	CHH	0.0125
Gm19	42958670	42959660	Gmdrm	hyper	CHH	0.0225
Gm19	42964299	42965297	Gmdrm	hyper	CHH	0.019
Gm19	42970548	42971543	Gmdrm	hyper	CHH	0.0145
Gm19	42994141	42994421	Gmdrm	hyper	CHH	0.0361
Gm19	43105555	43106548	Gmdrm	hyper	CHH	0.0155
Gm19	43144838	43145826	Gmdrm	hyper	CHH	0.0192
Gm19	43193865	43194865	Gmdrm	hyper	CHH	0.0145
Gm19	43222704	43223704	Gmdrm	hyper	CHH	0.0178
Gm19	43228865	43229858	Gmdrm	hyper	CHH	0.0161
Gm19	43238434	43239433	Gmdrm	hyper	CHH	0.0328
Gm19	43309438	43310126	Gmdrm	hyper	CHH	0.0295
Gm19	43460077	43461074	Gmdrm	hyper	CHH	0.0303
Gm19	43471502	43472496	Gmdrm	hyper	CHH	0.0143
Gm19	43531261	43532261	Gmdrm	hyper	CHH	0.0138
Gm19	43542614	43543608	Gmdrm	hyper	CHH	0.0265
Gm19	43572449	43572801	Gmdrm	hyper	CHH	0.031
Gm19	43572908	43573904	Gmdrm	hyper	CHH	0.0186
Gm19	43587929	43588927	Gmdrm	hyper	CHH	0.0178
Gm19	43592007	43593007	Gmdrm	hyper	CHH	0.0185
Gm19	43625887	43626350	Gmdrm	hyper	CHH	0.061
Gm19	43696369	43697008	Gmdrm	hyper	CHH	0.047
Gm19	43809897	43810779	Gmdrm	hyper	CHH	0.0321
Gm19	43814028	43814981	Gmdrm	hyper	CHH	0.0201
Gm19	43861413	43862397	Gmdrm	hyper	CHH	0.0286
Gm19	43927272	43927515	Gmdrm	hyper	CHH	0.0462
Gm19	43946952	43947945	Gmdrm	hyper	CHH	0.0158
Gm19	43973408	43974378	Gmdrm	hyper	CHH	0.0332
Gm19	44002485	44003485	Gmdrm	hyper	CHH	0.0119
Gm19	44056167	44057145	Gmdrm	hyper	CHH	0.0195
Gm19	44084928	44085890	Gmdrm	hyper	CHH	0.0179
Gm19	44134020	44134238	Gmdrm	hyper	CHH	0.07
Gm19	44154422	44155403	Gmdrm	hyper	CHH	0.0296
Gm19	44189975	44190436	Gmdrm	hyper	CHH	0.0244
Gm19	44210510	44211479	Gmdrm	hyper	CHH	0.0126
Gm19	44357237	44357671	Gmdrm	hyper	CHH	0.0181
Gm19	44390724	44390823	Gmdrm	hyper	CHH	0.096
Gm19	44390945	44391942	Gmdrm	hyper	CHH	0.0294
Gm19	44403257	44404253	Gmdrm	hyper	CHH	0.0178
Gm19	44422465	44423426	Gmdrm	hyper	CHH	0.0176

Gm19	44440558	44441251	Gmdrm	hyper	CHH	0.0147
Gm19	44466367	44467356	Gmdrm	hyper	CHH	0.0203
Gm19	44517109	44517626	Gmdrm	hyper	CHH	0.0408
Gm19	44539780	44540780	Gmdrm	hyper	CHH	0.0566
Gm19	44558635	44558999	Gmdrm	hyper	CHH	0.0227
Gm19	44573834	44574832	Gmdrm	hyper	CHH	0.0227
Gm19	44591207	44592190	Gmdrm	hyper	CHH	0.029
Gm19	44597634	44598507	Gmdrm	hyper	CHH	0.0265
Gm19	44613657	44614587	Gmdrm	hyper	CHH	0.0317
Gm19	44615798	44616766	Gmdrm	hyper	CHH	0.0192
Gm19	44647107	44648099	Gmdrm	hyper	CHH	0.0143
Gm19	44692853	44693850	Gmdrm	hyper	CHH	0.0417
Gm19	44712476	44713102	Gmdrm	hyper	CHH	0.0558
Gm19	44721632	44722617	Gmdrm	hyper	CHH	0.0154
Gm19	44739482	44740458	Gmdrm	hyper	CHH	0.0151
Gm19	44828652	44829573	Gmdrm	hyper	CHH	0.0123
Gm19	44985787	44986779	Gmdrm	hyper	CHH	0.0275
Gm19	45040699	45041394	Gmdrm	hyper	CHH	0.0498
Gm19	45083653	45084532	Gmdrm	hyper	CHH	0.0198
Gm19	45127620	45128203	Gmdrm	hyper	CHH	0.0187
Gm19	45187059	45188054	Gmdrm	hyper	CHH	0.0227
Gm19	45289544	45290536	Gmdrm	hyper	CHH	0.0205
Gm19	45330688	45331674	Gmdrm	hyper	CHH	0.0461
Gm19	45378353	45379121	Gmdrm	hyper	CHH	0.0374
Gm19	45381528	45381637	Gmdrm	hyper	CHH	0.045
Gm19	45392539	45393348	Gmdrm	hyper	CHH	0.0367
Gm19	45399511	45400481	Gmdrm	hyper	CHH	0.0557
Gm19	45421245	45421536	Gmdrm	hyper	CHH	0.0236
Gm19	45429705	45430696	Gmdrm	hyper	CHH	0.0215
Gm19	45440762	45441761	Gmdrm	hyper	CHH	0.0156
Gm19	45445174	45446173	Gmdrm	hyper	CHH	0.0127
Gm19	45504107	45505103	Gmdrm	hyper	CHH	0.0153
Gm19	45507943	45508289	Gmdrm	hyper	CHH	0.0304
Gm19	45536987	45537530	Gmdrm	hyper	CHH	0.0281
Gm19	45574142	45574371	Gmdrm	hyper	CHH	0.0286
Gm19	45600150	45600322	Gmdrm	hyper	CHH	0.047
Gm19	45646594	45647583	Gmdrm	hyper	CHH	0.0191
Gm19	45702224	45703215	Gmdrm	hyper	CHH	0.0165
Gm19	45779175	45780147	Gmdrm	hyper	CHH	0.0177
Gm19	45798420	45799399	Gmdrm	hyper	CHH	0.0193
Gm19	45809688	45810679	Gmdrm	hyper	CHH	0.0138
Gm19	45837087	45837361	Gmdrm	hyper	CHH	0.0307
Gm19	45848605	45849593	Gmdrm	hyper	CHH	0.0133
Gm19	45882380	45882966	Gmdrm	hyper	CHH	0.0261
Gm19	45979874	45980870	Gmdrm	hyper	CHH	0.013
Gm19	45995351	45995521	Gmdrm	hyper	CHH	0.0403

Gm19	46107009	46107992	Gmdrm	hyper	CHH	0.0185
Gm19	46203228	46204218	Gmdrm	hyper	CHH	0.0178
Gm19	46269053	46270031	Gmdrm	hyper	CHH	0.0607
Gm19	46283006	46283060	Gmdrm	hyper	CHH	0.112
Gm19	46283237	46284040	Gmdrm	hyper	CHH	0.0245
Gm19	46284189	46285168	Gmdrm	hyper	CHH	0.0219
Gm19	46449841	46450840	Gmdrm	hyper	CHH	0.0139
Gm19	46548289	46549214	Gmdrm	hyper	CHH	0.0192
Gm19	46588496	46589485	Gmdrm	hyper	CHH	0.0138
Gm19	46609399	46610360	Gmdrm	hyper	CHH	0.0187
Gm19	46613334	46614316	Gmdrm	hyper	CHH	0.0205
Gm19	46622425	46623398	Gmdrm	hyper	CHH	0.02
Gm19	46696867	46697861	Gmdrm	hyper	CHH	0.02
Gm19	46714566	46715557	Gmdrm	hyper	CHH	0.0245
Gm19	46732031	46733028	Gmdrm	hyper	CHH	0.0137
Gm19	46750033	46750394	Gmdrm	hyper	CHH	0.0412
Gm19	46767904	46768502	Gmdrm	hyper	CHH	0.0254
Gm19	46839307	46840221	Gmdrm	hyper	CHH	0.0306
Gm19	46935996	46936984	Gmdrm	hyper	CHH	0.0159
Gm19	46977489	46978469	Gmdrm	hyper	CHH	0.0257
Gm19	46988407	46989387	Gmdrm	hyper	CHH	0.0513
Gm19	47033917	47034861	Gmdrm	hyper	CHH	0.0421
Gm19	47117582	47118576	Gmdrm	hyper	CHH	0.018
Gm19	47119747	47120742	Gmdrm	hyper	CHH	0.0178
Gm19	47139477	47140467	Gmdrm	hyper	CHH	0.0111
Gm19	47172714	47173633	Gmdrm	hyper	CHH	0.0219
Gm19	47194318	47195311	Gmdrm	hyper	CHH	0.0143
Gm19	47240320	47241303	Gmdrm	hyper	CHH	0.0144
Gm19	47298977	47299223	Gmdrm	hyper	CHH	0.0173
Gm19	47312533	47313526	Gmdrm	hyper	CHH	0.018
Gm19	47425002	47425125	Gmdrm	hyper	CHH	0.037
Gm19	47565376	47565629	Gmdrm	hyper	CHH	0.0277
Gm19	47586372	47586959	Gmdrm	hyper	CHH	0.0296
Gm19	47589811	47590803	Gmdrm	hyper	CHH	0.0155
Gm19	47626469	47626768	Gmdrm	hyper	CHH	0.0337
Gm19	47633067	47633371	Gmdrm	hyper	CHH	0.0195
Gm19	47635207	47636198	Gmdrm	hyper	CHH	0.0246
Gm19	47639231	47639754	Gmdrm	hyper	CHH	0.0283
Gm19	47643050	47643828	Gmdrm	hyper	CHH	0.0171
Gm19	47666006	47666512	Gmdrm	hyper	CHH	0.0147
Gm19	47724697	47725082	Gmdrm	hyper	CHH	0.015
Gm19	47737632	47738605	Gmdrm	hyper	CHH	0.0403
Gm19	47762379	47763372	Gmdrm	hyper	CHH	0.0383
Gm19	47767263	47768104	Gmdrm	hyper	CHH	0.0247
Gm19	47781096	47781537	Gmdrm	hyper	CHH	0.0352
Gm19	47795763	47795996	Gmdrm	hyper	CHH	0.0236

Gm19	47840325	47840606	Gmdrm	hyper	CHH	0.0371
Gm19	47857797	47858750	Gmdrm	hyper	CHH	0.0209
Gm19	47890770	47891186	Gmdrm	hyper	CHH	0.0423
Gm19	47909334	47910299	Gmdrm	hyper	CHH	0.0171
Gm19	47937101	47938066	Gmdrm	hyper	CHH	0.0208
Gm19	47938122	47939104	Gmdrm	hyper	CHH	0.0158
Gm19	47996191	47997190	Gmdrm	hyper	CHH	0.0213
Gm19	47997193	47997590	Gmdrm	hyper	CHH	0.0159
Gm19	48012475	48012814	Gmdrm	hyper	CHH	0.0147
Gm19	48064922	48065149	Gmdrm	hyper	CHH	0.0314
Gm19	48076973	48077951	Gmdrm	hyper	CHH	0.0441
Gm19	48077979	48078023	Gmdrm	hyper	CHH	0.16
Gm19	48208653	48208770	Gmdrm	hyper	CHH	0.035
Gm19	48226559	48227556	Gmdrm	hyper	CHH	0.019
Gm19	48237476	48238468	Gmdrm	hyper	CHH	0.0276
Gm19	48272100	48272902	Gmdrm	hyper	CHH	0.0276
Gm19	48324985	48325978	Gmdrm	hyper	CHH	0.0177
Gm19	48381513	48382487	Gmdrm	hyper	CHH	0.0165
Gm19	48467387	48468378	Gmdrm	hyper	CHH	0.0129
Gm19	48489636	48490620	Gmdrm	hyper	CHH	0.0282
Gm19	48504094	48505091	Gmdrm	hyper	CHH	0.03
Gm19	48546639	48547639	Gmdrm	hyper	CHH	0.0221
Gm19	48557395	48557679	Gmdrm	hyper	CHH	0.0234
Gm19	48599956	48600096	Gmdrm	hyper	CHH	0.0353
Gm19	48617545	48618520	Gmdrm	hyper	CHH	0.0159
Gm19	48653016	48654012	Gmdrm	hyper	CHH	0.0198
Gm19	48679923	48680900	Gmdrm	hyper	CHH	0.0539
Gm19	48688365	48689323	Gmdrm	hyper	CHH	0.0206
Gm19	48692152	48693144	Gmdrm	hyper	CHH	0.0158
Gm19	48747651	48748111	Gmdrm	hyper	CHH	0.0166
Gm19	48775515	48776469	Gmdrm	hyper	CHH	0.0434
Gm19	48846415	48847398	Gmdrm	hyper	CHH	0.0458
Gm19	48853035	48853310	Gmdrm	hyper	CHH	0.0362
Gm19	48955881	48956846	Gmdrm	hyper	CHH	0.0141
Gm19	49037017	49037984	Gmdrm	hyper	CHH	0.0135
Gm19	49045212	49045576	Gmdrm	hyper	CHH	0.0712
Gm19	49091514	49092059	Gmdrm	hyper	CHH	0.0324
Gm19	49092200	49093065	Gmdrm	hyper	CHH	0.0132
Gm19	49108288	49109265	Gmdrm	hyper	CHH	0.013
Gm19	49151992	49152988	Gmdrm	hyper	CHH	0.0672
Gm19	49190565	49191355	Gmdrm	hyper	CHH	0.0138
Gm19	49206573	49207570	Gmdrm	hyper	CHH	0.011
Gm19	49279102	49280082	Gmdrm	hyper	CHH	0.0292
Gm19	49306857	49306950	Gmdrm	hyper	CHH	0.0684
Gm19	49315529	49316525	Gmdrm	hyper	CHH	0.0226
Gm19	49370639	49371635	Gmdrm	hyper	CHH	0.0218

Gm19	49389761	49389784	Gmdrm	hyper	CHH	0.046
Gm19	49448598	49448818	Gmdrm	hyper	CHH	0.052
Gm19	49449477	49450469	Gmdrm	hyper	CHH	0.0202
Gm19	49468682	49469611	Gmdrm	hyper	CHH	0.0236
Gm19	49491670	49491824	Gmdrm	hyper	CHH	0.0913
Gm19	49516501	49517491	Gmdrm	hyper	CHH	0.0131
Gm19	49519108	49520072	Gmdrm	hyper	CHH	0.0212
Gm19	49531391	49532381	Gmdrm	hyper	CHH	0.032
Gm19	49580473	49580771	Gmdrm	hyper	CHH	0.0341
Gm19	49596004	49596996	Gmdrm	hyper	CHH	0.0215
Gm19	49614221	49615215	Gmdrm	hyper	CHH	0.0194
Gm19	49661684	49662664	Gmdrm	hyper	CHH	0.0137
Gm19	49712832	49713813	Gmdrm	hyper	CHH	0.0156
Gm19	49718814	49719811	Gmdrm	hyper	CHH	0.0662
Gm19	49774888	49775885	Gmdrm	hyper	CHH	0.0182
Gm19	49777688	49778675	Gmdrm	hyper	CHH	0.0271
Gm19	49827462	49828462	Gmdrm	hyper	CHH	0.0142
Gm19	49844254	49845232	Gmdrm	hyper	CHH	0.024
Gm19	49849473	49849484	Gmdrm	hyper	CHH	0.06
Gm19	49926503	49927500	Gmdrm	hyper	CHH	0.017
Gm19	49928535	49929535	Gmdrm	hyper	CHH	0.0123
Gm19	49953935	49954840	Gmdrm	hyper	CHH	0.0247
Gm19	49971984	49972862	Gmdrm	hyper	CHH	0.0265
Gm19	49979215	49980212	Gmdrm	hyper	CHH	0.0416
Gm19	49985281	49985478	Gmdrm	hyper	CHH	0.0466
Gm19	50036270	50037231	Gmdrm	hyper	CHH	0.0232
Gm19	50091826	50092799	Gmdrm	hyper	CHH	0.0232
Gm19	50094557	50095555	Gmdrm	hyper	CHH	0.0311
Gm19	50145059	50146055	Gmdrm	hyper	CHH	0.0214
Gm19	50146090	50147080	Gmdrm	hyper	CHH	0.0122
Gm19	50163135	50164121	Gmdrm	hyper	CHH	0.0223
Gm19	50174666	50174774	Gmdrm	hyper	CHH	0.0451
Gm19	50192340	50193319	Gmdrm	hyper	CHH	0.0153
Gm19	50208798	50209041	Gmdrm	hyper	CHH	0.0234
Gm19	50228246	50229229	Gmdrm	hyper	CHH	0.0134
Gm19	50271280	50272278	Gmdrm	hyper	CHH	0.0366
Gm19	50307496	50308141	Gmdrm	hyper	CHH	0.0332
Gm19	50349946	50350124	Gmdrm	hyper	CHH	0.056
Gm19	50352372	50353158	Gmdrm	hyper	CHH	0.0336
Gm19	50415648	50416640	Gmdrm	hyper	CHH	0.0188
Gm19	50440422	50441290	Gmdrm	hyper	CHH	0.0256
Gm19	50535660	50536547	Gmdrm	hyper	CHH	0.0393
Gm19	50537405	50538366	Gmdrm	hyper	CHH	0.031
Gm19	50540165	50541001	Gmdrm	hyper	CHH	0.0222
Gm19	50551928	50552640	Gmdrm	hyper	CHH	0.0292
Gm19	50552753	50553138	Gmdrm	hyper	CHH	0.0381

Gm19	50560285	50561259	Gmdrm	hyper	CHH	0.0184
Gm19	50584408	50585384	Gmdrm	hyper	CHH	0.022
Gm19	50593908	50594628	Gmdrm	hyper	CHH	0.0261
Gm19	50606613	50607600	Gmdrm	hyper	CHH	0.0134
Gm19	50609337	50609518	Gmdrm	hyper	CHH	0.0482
Gm19	50625994	50626082	Gmdrm	hyper	CHH	0.2065
Gm19	50677953	50678135	Gmdrm	hyper	CHH	0.04
Gm19	50693624	50694560	Gmdrm	hyper	CHH	0.0336
Gm19	50704088	50705054	Gmdrm	hyper	CHH	0.0185
Gm19	50734988	50735444	Gmdrm	hyper	CHH	0.0388
Gm19	50742200	50743196	Gmdrm	hyper	CHH	0.0127
Gm19	50764458	50765422	Gmdrm	hyper	CHH	0.023
Gm19	50793525	50794516	Gmdrm	hyper	CHH	0.0262
Gm19	50807356	50808354	Gmdrm	hyper	CHH	0.011
Gm19	50845451	50846345	Gmdrm	hyper	CHH	0.0166
Gm19	50884000	50884997	Gmdrm	hyper	CHH	0.0239
Gm19	50915492	50916468	Gmdrm	hyper	CHH	0.021
Gm19	50968901	50969894	Gmdrm	hyper	CHH	0.0233
Gm19	51012109	51013080	Gmdrm	hyper	CHH	0.0298
Gm19	51031957	51032535	Gmdrm	hyper	CHH	0.0225
Gm19	51093192	51094186	Gmdrm	hyper	CHH	0.0192
Gm19	51107124	51108120	Gmdrm	hyper	CHH	0.0135
Gm19	51122099	51123074	Gmdrm	hyper	CHH	0.0127
Gm19	51158507	51159507	Gmdrm	hyper	CHH	0.0298
Gm19	51159508	51159884	Gmdrm	hyper	CHH	0.0355
Gm19	51188026	51189018	Gmdrm	hyper	CHH	0.0853
Gm19_scaffol	1539	2529	Gmdrm	hyper	CHH	0.0382
Gm20	39642	39733	Gmdrm	hyper	CHH	0.065
Gm20	83863	84858	Gmdrm	hyper	CHH	0.0173
Gm20	97146	97399	Gmdrm	hyper	CHH	0.063
Gm20	104624	105611	Gmdrm	hyper	CHH	0.0155
Gm20	130891	131770	Gmdrm	hyper	CHH	0.0147
Gm20	230235	231234	Gmdrm	hyper	CHH	0.0165
Gm20	232553	233471	Gmdrm	hyper	CHH	0.0145
Gm20	239862	240081	Gmdrm	hyper	CHH	0.04
Gm20	262892	263890	Gmdrm	hyper	CHH	0.0189
Gm20	290279	291221	Gmdrm	hyper	CHH	0.0412
Gm20	329873	330845	Gmdrm	hyper	CHH	0.0819
Gm20	350259	350654	Gmdrm	hyper	CHH	0.045
Gm20	389224	390217	Gmdrm	hyper	CHH	0.0585
Gm20	390232	390494	Gmdrm	hyper	CHH	0.1051
Gm20	465987	466981	Gmdrm	hyper	CHH	0.0365
Gm20	494627	495458	Gmdrm	hyper	CHH	0.0133
Gm20	499305	500010	Gmdrm	hyper	CHH	0.0259
Gm20	515456	516436	Gmdrm	hyper	CHH	0.0277
Gm20	546608	547231	Gmdrm	hyper	CHH	0.015

Gm20	549644	550637	Gmdrm	hyper	CHH	0.0232
Gm20	722868	723609	Gmdrm	hyper	CHH	0.0217
Gm20	786670	787639	Gmdrm	hyper	CHH	0.019
Gm20	816452	817446	Gmdrm	hyper	CHH	0.046
Gm20	859639	860636	Gmdrm	hyper	CHH	0.0136
Gm20	927917	928913	Gmdrm	hyper	CHH	0.0168
Gm20	1008443	1009439	Gmdrm	hyper	CHH	0.0203
Gm20	1052983	1053979	Gmdrm	hyper	CHH	0.0137
Gm20	1136284	1136623	Gmdrm	hyper	CHH	0.0306
Gm20	1148797	1149786	Gmdrm	hyper	CHH	0.0185
Gm20	1149815	1150810	Gmdrm	hyper	CHH	0.0138
Gm20	1157839	1157952	Gmdrm	hyper	CHH	0.0337
Gm20	1179385	1180267	Gmdrm	hyper	CHH	0.0157
Gm20	1275163	1275457	Gmdrm	hyper	CHH	0.0261
Gm20	1303497	1304486	Gmdrm	hyper	CHH	0.0149
Gm20	1354071	1354184	Gmdrm	hyper	CHH	0.0483
Gm20	1359466	1359838	Gmdrm	hyper	CHH	0.052
Gm20	1362297	1363287	Gmdrm	hyper	CHH	0.1473
Gm20	1466747	1467710	Gmdrm	hyper	CHH	0.0145
Gm20	1511189	1512183	Gmdrm	hyper	CHH	0.0478
Gm20	1531890	1532884	Gmdrm	hyper	CHH	0.0836
Gm20	1532904	1533902	Gmdrm	hyper	CHH	0.1504
Gm20	1533905	1534888	Gmdrm	hyper	CHH	0.1337
Gm20	1534909	1535873	Gmdrm	hyper	CHH	0.069
Gm20	1569632	1570608	Gmdrm	hyper	CHH	0.0205
Gm20	1619751	1620735	Gmdrm	hyper	CHH	0.0267
Gm20	1743609	1744604	Gmdrm	hyper	CHH	0.0316
Gm20	1763458	1764457	Gmdrm	hyper	CHH	0.0187
Gm20	1800934	1801919	Gmdrm	hyper	CHH	0.01
Gm20	2007623	2008598	Gmdrm	hyper	CHH	0.0299
Gm20	2043554	2044543	Gmdrm	hyper	CHH	0.0285
Gm20	2090119	2091083	Gmdrm	hyper	CHH	0.0154
Gm20	2336346	2337328	Gmdrm	hyper	CHH	0.0164
Gm20	2447367	2447856	Gmdrm	hyper	CHH	0.0277
Gm20	2607433	2607560	Gmdrm	hyper	CHH	0.0243
Gm20	2685270	2686265	Gmdrm	hyper	CHH	0.0605
Gm20	2970588	2971574	Gmdrm	hyper	CHH	0.0195
Gm20	3065402	3066395	Gmdrm	hyper	CHH	0.0141
Gm20	3211704	3212698	Gmdrm	hyper	CHH	0.0233
Gm20	3213757	3213974	Gmdrm	hyper	CHH	0.0373
Gm20	3316572	3316692	Gmdrm	hyper	CHH	0.132
Gm20	3324905	3325902	Gmdrm	hyper	CHH	0.0145
Gm20	3373578	3374576	Gmdrm	hyper	CHH	0.039
Gm20	3412566	3413310	Gmdrm	hyper	CHH	0.0321
Gm20	3491706	3492495	Gmdrm	hyper	CHH	0.0242
Gm20	3496711	3497696	Gmdrm	hyper	CHH	0.0261

Gm20	3543114	3543454	Gmdrm	hyper	CHH	0.0553
Gm20	3657485	3657684	Gmdrm	hyper	CHH	0.126
Gm20	3694355	3695322	Gmdrm	hyper	CHH	0.0183
Gm20	3727962	3728959	Gmdrm	hyper	CHH	0.0489
Gm20	3737975	3738974	Gmdrm	hyper	CHH	0.0502
Gm20	3923615	3924600	Gmdrm	hyper	CHH	0.0165
Gm20	4200187	4201185	Gmdrm	hyper	CHH	0.0158
Gm20	4286550	4286724	Gmdrm	hyper	CHH	0.0522
Gm20	4292434	4292591	Gmdrm	hyper	CHH	0.1047
Gm20	4297703	4298650	Gmdrm	hyper	CHH	0.0208
Gm20	4302236	4302805	Gmdrm	hyper	CHH	0.0441
Gm20	4312197	4313172	Gmdrm	hyper	CHH	0.0178
Gm20	4324045	4325042	Gmdrm	hyper	CHH	0.0165
Gm20	4460416	4461413	Gmdrm	hyper	CHH	0.0352
Gm20	4571442	4572438	Gmdrm	hyper	CHH	0.0201
Gm20	4687811	4688743	Gmdrm	hyper	CHH	0.0133
Gm20	4755404	4755756	Gmdrm	hyper	CHH	0.031
Gm20	4862285	4863187	Gmdrm	hyper	CHH	0.018
Gm20	5113420	5113774	Gmdrm	hyper	CHH	0.1039
Gm20	5216532	5217530	Gmdrm	hyper	CHH	0.0378
Gm20	5249115	5250085	Gmdrm	hyper	CHH	0.0165
Gm20	5256378	5256641	Gmdrm	hyper	CHH	0.05
Gm20	5367930	5368035	Gmdrm	hyper	CHH	0.1645
Gm20	5469949	5470936	Gmdrm	hyper	CHH	0.04
Gm20	5477414	5477826	Gmdrm	hyper	CHH	0.0395
Gm20	5501079	5502073	Gmdrm	hyper	CHH	0.0503
Gm20	5541933	5542925	Gmdrm	hyper	CHH	0.0664
Gm20	5646455	5647450	Gmdrm	hyper	CHH	0.0508
Gm20	5658887	5659872	Gmdrm	hyper	CHH	0.0447
Gm20	5869511	5870500	Gmdrm	hyper	CHH	0.0123
Gm20	6038803	6039796	Gmdrm	hyper	CHH	0.042
Gm20	6157784	6158226	Gmdrm	hyper	CHH	0.0567
Gm20	6332940	6333222	Gmdrm	hyper	CHH	0.1606
Gm20	6393781	6394261	Gmdrm	hyper	CHH	0.1134
Gm20	6428627	6429606	Gmdrm	hyper	CHH	0.0502
Gm20	6457519	6457620	Gmdrm	hyper	CHH	0.1792
Gm20	6538762	6539747	Gmdrm	hyper	CHH	0.0457
Gm20	6678016	6679008	Gmdrm	hyper	CHH	0.0314
Gm20	6694869	6695864	Gmdrm	hyper	CHH	0.0655
Gm20	6695870	6696868	Gmdrm	hyper	CHH	0.0989
Gm20	6697881	6698880	Gmdrm	hyper	CHH	0.0485
Gm20	6819039	6820030	Gmdrm	hyper	CHH	0.0191
Gm20	6926136	6926428	Gmdrm	hyper	CHH	0.0524
Gm20	6969302	6970301	Gmdrm	hyper	CHH	0.0515
Gm20	7232690	7233520	Gmdrm	hyper	CHH	0.0211
Gm20	7345422	7346418	Gmdrm	hyper	CHH	0.0295

Gm20	7433136	7434127	Gmdrm	hyper	CHH	0.0295
Gm20	7510015	7511003	Gmdrm	hyper	CHH	0.0289
Gm20	7633127	7634105	Gmdrm	hyper	CHH	0.0463
Gm20	7739953	7740948	Gmdrm	hyper	CHH	0.0206
Gm20	7759231	7759594	Gmdrm	hyper	CHH	0.0294
Gm20	8035738	8036737	Gmdrm	hyper	CHH	0.0452
Gm20	8073008	8073992	Gmdrm	hyper	CHH	0.0676
Gm20	8118454	8119412	Gmdrm	hyper	CHH	0.0388
Gm20	8151675	8152670	Gmdrm	hyper	CHH	0.0129
Gm20	8168776	8169776	Gmdrm	hyper	CHH	0.0535
Gm20	8169787	8170775	Gmdrm	hyper	CHH	0.0528
Gm20	8229522	8230511	Gmdrm	hyper	CHH	0.0415
Gm20	8498986	8499305	Gmdrm	hyper	CHH	0.1103
Gm20	8524657	8525649	Gmdrm	hyper	CHH	0.0195
Gm20	8765048	8766042	Gmdrm	hyper	CHH	0.02
Gm20	8779055	8780017	Gmdrm	hyper	CHH	0.0294
Gm20	8784489	8784640	Gmdrm	hyper	CHH	0.1767
Gm20	8809514	8810106	Gmdrm	hyper	CHH	0.0876
Gm20	8836498	8837498	Gmdrm	hyper	CHH	0.0402
Gm20	9114760	9115756	Gmdrm	hyper	CHH	0.019
Gm20	9159683	9160683	Gmdrm	hyper	CHH	0.0148
Gm20	9529977	9530285	Gmdrm	hyper	CHH	0.0666
Gm20	9637941	9638938	Gmdrm	hyper	CHH	0.0372
Gm20	9643360	9644356	Gmdrm	hyper	CHH	0.0286
Gm20	9738406	9739401	Gmdrm	hyper	CHH	0.0576
Gm20	9765366	9766115	Gmdrm	hyper	CHH	0.0789
Gm20	9830976	9831203	Gmdrm	hyper	CHH	0.1113
Gm20	9965351	9965651	Gmdrm	hyper	CHH	0.0213
Gm20	9972674	9973304	Gmdrm	hyper	CHH	0.0548
Gm20	10148021	10148158	Gmdrm	hyper	CHH	0.0734
Gm20	10673243	10673996	Gmdrm	hyper	CHH	0.0844
Gm20	10716392	10716647	Gmdrm	hyper	CHH	0.0562
Gm20	11113243	11113533	Gmdrm	hyper	CHH	0.1282
Gm20	11230855	11231854	Gmdrm	hyper	CHH	0.0187
Gm20	11399896	11400047	Gmdrm	hyper	CHH	0.0866
Gm20	11486221	11487206	Gmdrm	hyper	CHH	0.0167
Gm20	11493487	11494469	Gmdrm	hyper	CHH	0.0547
Gm20	11532420	11533410	Gmdrm	hyper	CHH	0.0529
Gm20	11606109	11606518	Gmdrm	hyper	CHH	0.0534
Gm20	11758092	11759086	Gmdrm	hyper	CHH	0.0168
Gm20	11806154	11806591	Gmdrm	hyper	CHH	0.0706
Gm20	11855593	11856381	Gmdrm	hyper	CHH	0.0214
Gm20	11897044	11898041	Gmdrm	hyper	CHH	0.0518
Gm20	11922114	11923114	Gmdrm	hyper	CHH	0.0482
Gm20	12395628	12396582	Gmdrm	hyper	CHH	0.019
Gm20	12397705	12398698	Gmdrm	hyper	CHH	0.0156

Gm20	12398742	12399701	Gmdrm	hyper	CHH	0.0122
Gm20	12425572	12426566	Gmdrm	hyper	CHH	0.0126
Gm20	12744360	12745350	Gmdrm	hyper	CHH	0.0408
Gm20	12762465	12762753	Gmdrm	hyper	CHH	0.128
Gm20	13302178	13303160	Gmdrm	hyper	CHH	0.0554
Gm20	13326125	13327121	Gmdrm	hyper	CHH	0.0419
Gm20	13397232	13398213	Gmdrm	hyper	CHH	0.0454
Gm20	13474419	13475372	Gmdrm	hyper	CHH	0.0638
Gm20	13607911	13608821	Gmdrm	hyper	CHH	0.0952
Gm20	13859945	13860055	Gmdrm	hyper	CHH	0.114
Gm20	14385181	14385543	Gmdrm	hyper	CHH	0.0396
Gm20	14927373	14927835	Gmdrm	hyper	CHH	0.0887
Gm20	15232735	15232913	Gmdrm	hyper	CHH	0.126
Gm20	15290024	15290255	Gmdrm	hyper	CHH	0.072
Gm20	15292537	15292643	Gmdrm	hyper	CHH	0.082
Gm20	15408025	15409020	Gmdrm	hyper	CHH	0.0439
Gm20	15716086	15716506	Gmdrm	hyper	CHH	0.08
Gm20	15742844	15743295	Gmdrm	hyper	CHH	0.0477
Gm20	16224281	16224567	Gmdrm	hyper	CHH	0.095
Gm20	16281544	16281607	Gmdrm	hyper	CHH	0.13
Gm20	16909354	16910334	Gmdrm	hyper	CHH	0.08
Gm20	17211767	17211947	Gmdrm	hyper	CHH	0.1857
Gm20	17361803	17361924	Gmdrm	hyper	CHH	0.2027
Gm20	17434792	17434926	Gmdrm	hyper	CHH	0.2072
Gm20	17816642	17817000	Gmdrm	hyper	CHH	0.0695
Gm20	17817401	17817667	Gmdrm	hyper	CHH	0.2153
Gm20	17878838	17879240	Gmdrm	hyper	CHH	0.0251
Gm20	18031810	18032560	Gmdrm	hyper	CHH	0.0491
Gm20	18089957	18090196	Gmdrm	hyper	CHH	0.1009
Gm20	18330261	18330382	Gmdrm	hyper	CHH	0.195
Gm20	18387629	18388191	Gmdrm	hyper	CHH	0.0393
Gm20	18597188	18598180	Gmdrm	hyper	CHH	0.0115
Gm20	18639372	18640368	Gmdrm	hyper	CHH	0.014
Gm20	18706994	18707896	Gmdrm	hyper	CHH	0.0559
Gm20	18817009	18818007	Gmdrm	hyper	CHH	0.0473
Gm20	18925717	18926130	Gmdrm	hyper	CHH	0.031
Gm20	18973690	18974055	Gmdrm	hyper	CHH	0.1085
Gm20	19047675	19048210	Gmdrm	hyper	CHH	0.0258
Gm20	19232913	19233904	Gmdrm	hyper	CHH	0.0152
Gm20	19362702	19363699	Gmdrm	hyper	CHH	0.0657
Gm20	19367014	19368012	Gmdrm	hyper	CHH	0.0485
Gm20	19582483	19583480	Gmdrm	hyper	CHH	0.0454
Gm20	19723237	19723955	Gmdrm	hyper	CHH	0.0693
Gm20	19844611	19844751	Gmdrm	hyper	CHH	0.057
Gm20	20183866	20184862	Gmdrm	hyper	CHH	0.0458
Gm20	20376041	20376906	Gmdrm	hyper	CHH	0.0153

Gm20	20400439	20401437	Gmdrm	hyper	CHH	0.0462
Gm20	20551900	20552897	Gmdrm	hyper	CHH	0.068
Gm20	20614492	20615458	Gmdrm	hyper	CHH	0.0552
Gm20	20642407	20642650	Gmdrm	hyper	CHH	0.1164
Gm20	20642759	20643757	Gmdrm	hyper	CHH	0.0583
Gm20	20794415	20794699	Gmdrm	hyper	CHH	0.0832
Gm20	20795715	20795835	Gmdrm	hyper	CHH	0.0541
Gm20	20888240	20889234	Gmdrm	hyper	CHH	0.0462
Gm20	20897808	20898247	Gmdrm	hyper	CHH	0.0978
Gm20	21130409	21131407	Gmdrm	hyper	CHH	0.0491
Gm20	21147325	21148324	Gmdrm	hyper	CHH	0.0733
Gm20	21211423	21212376	Gmdrm	hyper	CHH	0.0704
Gm20	21265979	21266971	Gmdrm	hyper	CHH	0.0466
Gm20	21318600	21319590	Gmdrm	hyper	CHH	0.0517
Gm20	21375093	21376081	Gmdrm	hyper	CHH	0.0377
Gm20	21416317	21417310	Gmdrm	hyper	CHH	0.0237
Gm20	21705294	21706266	Gmdrm	hyper	CHH	0.0603
Gm20	21819371	21819572	Gmdrm	hyper	CHH	0.05
Gm20	21827060	21828053	Gmdrm	hyper	CHH	0.0419
Gm20	21855905	21856375	Gmdrm	hyper	CHH	0.0521
Gm20	22053141	22054085	Gmdrm	hyper	CHH	0.0585
Gm20	22185925	22186263	Gmdrm	hyper	CHH	0.0875
Gm20	22363319	22364295	Gmdrm	hyper	CHH	0.0416
Gm20	22442464	22443461	Gmdrm	hyper	CHH	0.0364
Gm20	22565472	22566099	Gmdrm	hyper	CHH	0.0402
Gm20	22686783	22687781	Gmdrm	hyper	CHH	0.0789
Gm20	22739343	22740343	Gmdrm	hyper	CHH	0.0471
Gm20	22901752	22902700	Gmdrm	hyper	CHH	0.014
Gm20	23233604	23234564	Gmdrm	hyper	CHH	0.0446
Gm20	23307204	23308196	Gmdrm	hyper	CHH	0.0371
Gm20	23380692	23380782	Gmdrm	hyper	CHH	0.0829
Gm20	23651755	23652237	Gmdrm	hyper	CHH	0.0212
Gm20	23656102	23657094	Gmdrm	hyper	CHH	0.0239
Gm20	23707655	23707766	Gmdrm	hyper	CHH	0.1786
Gm20	23734062	23734223	Gmdrm	hyper	CHH	0.0938
Gm20	23891760	23892744	Gmdrm	hyper	CHH	0.0169
Gm20	24324542	24325100	Gmdrm	hyper	CHH	0.0448
Gm20	24444585	24445577	Gmdrm	hyper	CHH	0.0475
Gm20	24565252	24566235	Gmdrm	hyper	CHH	0.0319
Gm20	24630315	24631313	Gmdrm	hyper	CHH	0.0382
Gm20	24660744	24661742	Gmdrm	hyper	CHH	0.0266
Gm20	25069157	25070156	Gmdrm	hyper	CHH	0.0558
Gm20	25202782	25203766	Gmdrm	hyper	CHH	0.0536
Gm20	25238876	25239875	Gmdrm	hyper	CHH	0.0184
Gm20	25318525	25319522	Gmdrm	hyper	CHH	0.0698
Gm20	25354345	25355329	Gmdrm	hyper	CHH	0.022

Gm20	25355360	25356337	Gmdrm	hyper	CHH	0.0186
Gm20	25578621	25579610	Gmdrm	hyper	CHH	0.0179
Gm20	25785379	25786367	Gmdrm	hyper	CHH	0.0172
Gm20	25850999	25851997	Gmdrm	hyper	CHH	0.0587
Gm20	25852018	25853014	Gmdrm	hyper	CHH	0.0674
Gm20	25942325	25943323	Gmdrm	hyper	CHH	0.0443
Gm20	25965691	25966668	Gmdrm	hyper	CHH	0.0677
Gm20	26024972	26025964	Gmdrm	hyper	CHH	0.0445
Gm20	26183221	26184201	Gmdrm	hyper	CHH	0.0647
Gm20	26232363	26233362	Gmdrm	hyper	CHH	0.0492
Gm20	26291914	26292913	Gmdrm	hyper	CHH	0.0171
Gm20	26356992	26357982	Gmdrm	hyper	CHH	0.044
Gm20	26410841	26410949	Gmdrm	hyper	CHH	0.135
Gm20	26415832	26416117	Gmdrm	hyper	CHH	0.173
Gm20	26664222	26665218	Gmdrm	hyper	CHH	0.0467
Gm20	26685701	26685807	Gmdrm	hyper	CHH	0.0966
Gm20	26695851	26696851	Gmdrm	hyper	CHH	0.0679
Gm20	26696853	26697844	Gmdrm	hyper	CHH	0.0498
Gm20	26724562	26724655	Gmdrm	hyper	CHH	0.2114
Gm20	26761972	26762951	Gmdrm	hyper	CHH	0.0319
Gm20	26798215	26798370	Gmdrm	hyper	CHH	0.0401
Gm20	26882725	26883519	Gmdrm	hyper	CHH	0.054
Gm20	27045327	27045369	Gmdrm	hyper	CHH	0.2888
Gm20	27243539	27243887	Gmdrm	hyper	CHH	0.0835
Gm20	27357020	27357324	Gmdrm	hyper	CHH	0.0748
Gm20	27360705	27361466	Gmdrm	hyper	CHH	0.1048
Gm20	27373540	27374507	Gmdrm	hyper	CHH	0.1117
Gm20	27374568	27375566	Gmdrm	hyper	CHH	0.0761
Gm20	27383611	27384601	Gmdrm	hyper	CHH	0.0985
Gm20	27386864	27387862	Gmdrm	hyper	CHH	0.0453
Gm20	27595575	27595843	Gmdrm	hyper	CHH	0.0821
Gm20	27870151	27870261	Gmdrm	hyper	CHH	0.1175
Gm20	27947051	27947993	Gmdrm	hyper	CHH	0.0154
Gm20	27948840	27949353	Gmdrm	hyper	CHH	0.0296
Gm20	27998111	27998619	Gmdrm	hyper	CHH	0.0736
Gm20	28132722	28132785	Gmdrm	hyper	CHH	0.286
Gm20	28228951	28229086	Gmdrm	hyper	CHH	0.1654
Gm20	28302115	28303091	Gmdrm	hyper	CHH	0.0223
Gm20	28305866	28306866	Gmdrm	hyper	CHH	0.0396
Gm20	28415084	28416031	Gmdrm	hyper	CHH	0.0492
Gm20	28604164	28604307	Gmdrm	hyper	CHH	0.13
Gm20	28631985	28632984	Gmdrm	hyper	CHH	0.0413
Gm20	28689268	28690253	Gmdrm	hyper	CHH	0.0865
Gm20	28817378	28817765	Gmdrm	hyper	CHH	0.026
Gm20	28840832	28840998	Gmdrm	hyper	CHH	0.206
Gm20	28889862	28890702	Gmdrm	hyper	CHH	0.0206

Gm20	29153495	29153753	Gmdrm	hyper	CHH	0.1109
Gm20	29167416	29167613	Gmdrm	hyper	CHH	0.1172
Gm20	29374673	29375669	Gmdrm	hyper	CHH	0.0309
Gm20	29433710	29434037	Gmdrm	hyper	CHH	0.1182
Gm20	29616804	29617801	Gmdrm	hyper	CHH	0.045
Gm20	29724070	29724889	Gmdrm	hyper	CHH	0.0847
Gm20	29812313	29813306	Gmdrm	hyper	CHH	0.0468
Gm20	29940016	29940066	Gmdrm	hyper	CHH	0.3455
Gm20	30018489	30018949	Gmdrm	hyper	CHH	0.0204
Gm20	30116970	30117966	Gmdrm	hyper	CHH	0.0578
Gm20	30130873	30131872	Gmdrm	hyper	CHH	0.0445
Gm20	30360796	30361089	Gmdrm	hyper	CHH	0.1481
Gm20	30380378	30381366	Gmdrm	hyper	CHH	0.0368
Gm20	30485584	30486552	Gmdrm	hyper	CHH	0.0395
Gm20	30491103	30492092	Gmdrm	hyper	CHH	0.0185
Gm20	30688320	30688514	Gmdrm	hyper	CHH	0.15
Gm20	30704665	30704955	Gmdrm	hyper	CHH	0.0479
Gm20	30713978	30714961	Gmdrm	hyper	CHH	0.0117
Gm20	31145036	31146030	Gmdrm	hyper	CHH	0.0508
Gm20	31150884	31150893	Gmdrm	hyper	CHH	0.2283
Gm20	31363094	31364077	Gmdrm	hyper	CHH	0.0479
Gm20	31622807	31622865	Gmdrm	hyper	CHH	0.0372
Gm20	31719919	31720896	Gmdrm	hyper	CHH	0.0269
Gm20	31725234	31726181	Gmdrm	hyper	CHH	0.0324
Gm20	31848100	31849098	Gmdrm	hyper	CHH	0.0446
Gm20	31964426	31965426	Gmdrm	hyper	CHH	0.0121
Gm20	31997778	31998778	Gmdrm	hyper	CHH	0.0207
Gm20	32040814	32041806	Gmdrm	hyper	CHH	0.0763
Gm20	32041821	32042809	Gmdrm	hyper	CHH	0.0931
Gm20	32098126	32099105	Gmdrm	hyper	CHH	0.0677
Gm20	32140225	32141225	Gmdrm	hyper	CHH	0.0567
Gm20	32361497	32361530	Gmdrm	hyper	CHH	0.1938
Gm20	32401622	32402620	Gmdrm	hyper	CHH	0.0177
Gm20	32402631	32402838	Gmdrm	hyper	CHH	0.0287
Gm20	32486097	32487086	Gmdrm	hyper	CHH	0.0213
Gm20	32496062	32497048	Gmdrm	hyper	CHH	0.0449
Gm20	32500764	32501019	Gmdrm	hyper	CHH	0.0307
Gm20	32540613	32541568	Gmdrm	hyper	CHH	0.0172
Gm20	32586238	32586669	Gmdrm	hyper	CHH	0.0493
Gm20	32802633	32803091	Gmdrm	hyper	CHH	0.0578
Gm20	32806436	32807416	Gmdrm	hyper	CHH	0.0243
Gm20	32818259	32819181	Gmdrm	hyper	CHH	0.0307
Gm20	32922433	32923433	Gmdrm	hyper	CHH	0.0592
Gm20	33141668	33142653	Gmdrm	hyper	CHH	0.0159
Gm20	33189699	33190366	Gmdrm	hyper	CHH	0.0133
Gm20	33209403	33210402	Gmdrm	hyper	CHH	0.0197

Gm20	33214730	33215710	Gmdrm	hyper	CHH	0.0267
Gm20	33243109	33243379	Gmdrm	hyper	CHH	0.0403
Gm20	33304877	33305875	Gmdrm	hyper	CHH	0.0533
Gm20	33404955	33405947	Gmdrm	hyper	CHH	0.0192
Gm20	33412611	33413605	Gmdrm	hyper	CHH	0.0195
Gm20	33491818	33492794	Gmdrm	hyper	CHH	0.0221
Gm20	33694214	33695210	Gmdrm	hyper	CHH	0.0149
Gm20	33757427	33757889	Gmdrm	hyper	CHH	0.0773
Gm20	33804810	33805810	Gmdrm	hyper	CHH	0.0276
Gm20	33818072	33819056	Gmdrm	hyper	CHH	0.0156
Gm20	33848541	33849537	Gmdrm	hyper	CHH	0.0193
Gm20	33867310	33868296	Gmdrm	hyper	CHH	0.0226
Gm20	33868319	33869004	Gmdrm	hyper	CHH	0.0206
Gm20	33982106	33983066	Gmdrm	hyper	CHH	0.0193
Gm20	34040461	34041451	Gmdrm	hyper	CHH	0.0328
Gm20	34049448	34049704	Gmdrm	hyper	CHH	0.0254
Gm20	34308108	34308256	Gmdrm	hyper	CHH	0.0933
Gm20	34336738	34337726	Gmdrm	hyper	CHH	0.0391
Gm20	34348195	34349176	Gmdrm	hyper	CHH	0.0125
Gm20	34391367	34392354	Gmdrm	hyper	CHH	0.0279
Gm20	34420106	34420551	Gmdrm	hyper	CHH	0.0226
Gm20	34495180	34496163	Gmdrm	hyper	CHH	0.0286
Gm20	34724463	34724951	Gmdrm	hyper	CHH	0.0268
Gm20	34796166	34796316	Gmdrm	hyper	CHH	0.0675
Gm20	34898625	34899599	Gmdrm	hyper	CHH	0.0454
Gm20	35054759	35055021	Gmdrm	hyper	CHH	0.1367
Gm20	35080804	35081751	Gmdrm	hyper	CHH	0.0216
Gm20	35082864	35083850	Gmdrm	hyper	CHH	0.0186
Gm20	35136093	35137084	Gmdrm	hyper	CHH	0.0184
Gm20	35168857	35169262	Gmdrm	hyper	CHH	0.0408
Gm20	35185510	35186507	Gmdrm	hyper	CHH	0.0116
Gm20	35286636	35287357	Gmdrm	hyper	CHH	0.0258
Gm20	35289530	35290527	Gmdrm	hyper	CHH	0.0152
Gm20	35324829	35325818	Gmdrm	hyper	CHH	0.0113
Gm20	35357000	35357986	Gmdrm	hyper	CHH	0.0117
Gm20	35582381	35582687	Gmdrm	hyper	CHH	0.0243
Gm20	35612976	35613216	Gmdrm	hyper	CHH	0.0527
Gm20	35649169	35650103	Gmdrm	hyper	CHH	0.0278
Gm20	35663990	35664988	Gmdrm	hyper	CHH	0.0492
Gm20	35692706	35693333	Gmdrm	hyper	CHH	0.0212
Gm20	35708836	35709835	Gmdrm	hyper	CHH	0.0246
Gm20	35710706	35711042	Gmdrm	hyper	CHH	0.0937
Gm20	35721304	35721825	Gmdrm	hyper	CHH	0.0317
Gm20	35721937	35722910	Gmdrm	hyper	CHH	0.0115
Gm20	35725972	35726464	Gmdrm	hyper	CHH	0.0239
Gm20	35737818	35738368	Gmdrm	hyper	CHH	0.0128

Gm20	35738479	35738904	Gmdrm	hyper	CHH	0.0466
Gm20	35827989	35828582	Gmdrm	hyper	CHH	0.0202
Gm20	35883405	35884387	Gmdrm	hyper	CHH	0.0571
Gm20	35889444	35890430	Gmdrm	hyper	CHH	0.0161
Gm20	35931110	35932067	Gmdrm	hyper	CHH	0.0089
Gm20	35964676	35964851	Gmdrm	hyper	CHH	0.0711
Gm20	35984430	35985423	Gmdrm	hyper	CHH	0.0214
Gm20	36011074	36011467	Gmdrm	hyper	CHH	0.0268
Gm20	36039777	36040763	Gmdrm	hyper	CHH	0.0188
Gm20	36242004	36242983	Gmdrm	hyper	CHH	0.0182
Gm20	36296908	36296982	Gmdrm	hyper	CHH	0.0663
Gm20	36344418	36345403	Gmdrm	hyper	CHH	0.0198
Gm20	36355984	36356300	Gmdrm	hyper	CHH	0.03
Gm20	36419651	36420645	Gmdrm	hyper	CHH	0.0128
Gm20	36449002	36449980	Gmdrm	hyper	CHH	0.0158
Gm20	36451021	36452017	Gmdrm	hyper	CHH	0.0179
Gm20	36460831	36460880	Gmdrm	hyper	CHH	0.044
Gm20	36532000	36532585	Gmdrm	hyper	CHH	0.0188
Gm20	36574002	36574272	Gmdrm	hyper	CHH	0.0365
Gm20	36632332	36633327	Gmdrm	hyper	CHH	0.0169
Gm20	36671513	36672502	Gmdrm	hyper	CHH	0.0212
Gm20	36691143	36692131	Gmdrm	hyper	CHH	0.0221
Gm20	36700884	36701854	Gmdrm	hyper	CHH	0.0232
Gm20	36739763	36740744	Gmdrm	hyper	CHH	0.0146
Gm20	36769564	36770040	Gmdrm	hyper	CHH	0.0205
Gm20	36804474	36805454	Gmdrm	hyper	CHH	0.0256
Gm20	36819486	36820443	Gmdrm	hyper	CHH	0.0127
Gm20	36838924	36839559	Gmdrm	hyper	CHH	0.0148
Gm20	36854945	36855929	Gmdrm	hyper	CHH	0.0084
Gm20	36855949	36856766	Gmdrm	hyper	CHH	0.0123
Gm20	36894629	36895546	Gmdrm	hyper	CHH	0.0217
Gm20	36968474	36969474	Gmdrm	hyper	CHH	0.0259
Gm20	37033841	37034029	Gmdrm	hyper	CHH	0.093
Gm20	37076047	37077030	Gmdrm	hyper	CHH	0.0139
Gm20	37094936	37095930	Gmdrm	hyper	CHH	0.013
Gm20	37111331	37112328	Gmdrm	hyper	CHH	0.0407
Gm20	37147586	37147850	Gmdrm	hyper	CHH	0.0364
Gm20	37183347	37184332	Gmdrm	hyper	CHH	0.0127
Gm20	37249154	37249565	Gmdrm	hyper	CHH	0.0489
Gm20	37262093	37262502	Gmdrm	hyper	CHH	0.0868
Gm20	37316461	37317433	Gmdrm	hyper	CHH	0.0121
Gm20	37346546	37347526	Gmdrm	hyper	CHH	0.0133
Gm20	37372352	37372456	Gmdrm	hyper	CHH	0.0425
Gm20	37387509	37388468	Gmdrm	hyper	CHH	0.016
Gm20	37400370	37401369	Gmdrm	hyper	CHH	0.0164
Gm20	37415817	37416817	Gmdrm	hyper	CHH	0.023

Gm20	37426783	37426858	Gmdrm	hyper	CHH	0.051
Gm20	37446497	37447481	Gmdrm	hyper	CHH	0.0158
Gm20	37577820	37578442	Gmdrm	hyper	CHH	0.0426
Gm20	37586696	37587695	Gmdrm	hyper	CHH	0.0239
Gm20	37601346	37602333	Gmdrm	hyper	CHH	0.0146
Gm20	37608704	37609529	Gmdrm	hyper	CHH	0.0352
Gm20	37617316	37617523	Gmdrm	hyper	CHH	0.0287
Gm20	37627485	37628460	Gmdrm	hyper	CHH	0.0203
Gm20	37637592	37637642	Gmdrm	hyper	CHH	0.046
Gm20	37665744	37665834	Gmdrm	hyper	CHH	0.0376
Gm20	37702840	37703793	Gmdrm	hyper	CHH	0.0178
Gm20	37703845	37703999	Gmdrm	hyper	CHH	0.045
Gm20	37715329	37716293	Gmdrm	hyper	CHH	0.0262
Gm20	37733853	37734139	Gmdrm	hyper	CHH	0.0278
Gm20	37757719	37758711	Gmdrm	hyper	CHH	0.0328
Gm20	37759479	37759665	Gmdrm	hyper	CHH	0.0538
Gm20	37836922	37837918	Gmdrm	hyper	CHH	0.0269
Gm20	37845048	37845459	Gmdrm	hyper	CHH	0.0226
Gm20	37897300	37898265	Gmdrm	hyper	CHH	0.0198
Gm20	38049049	38050046	Gmdrm	hyper	CHH	0.0104
Gm20	38070034	38071026	Gmdrm	hyper	CHH	0.0147
Gm20	38074627	38075621	Gmdrm	hyper	CHH	0.0131
Gm20	38098041	38098959	Gmdrm	hyper	CHH	0.0112
Gm20	38100069	38101066	Gmdrm	hyper	CHH	0.0156
Gm20	38160344	38161338	Gmdrm	hyper	CHH	0.0157
Gm20	38161345	38162338	Gmdrm	hyper	CHH	0.0122
Gm20	38179302	38180266	Gmdrm	hyper	CHH	0.014
Gm20	38225883	38225984	Gmdrm	hyper	CHH	0.0688
Gm20	38277690	38277860	Gmdrm	hyper	CHH	0.082
Gm20	38309621	38309989	Gmdrm	hyper	CHH	0.0379
Gm20	38374664	38375659	Gmdrm	hyper	CHH	0.0529
Gm20	38426901	38427781	Gmdrm	hyper	CHH	0.0178
Gm20	38464729	38465301	Gmdrm	hyper	CHH	0.02
Gm20	38476219	38477179	Gmdrm	hyper	CHH	0.0164
Gm20	38528899	38529460	Gmdrm	hyper	CHH	0.0561
Gm20	38610364	38611354	Gmdrm	hyper	CHH	0.0238
Gm20	38612216	38612352	Gmdrm	hyper	CHH	0.026
Gm20	38633802	38634802	Gmdrm	hyper	CHH	0.0544
Gm20	38671204	38672190	Gmdrm	hyper	CHH	0.0177
Gm20	38677308	38678246	Gmdrm	hyper	CHH	0.0169
Gm20	38698404	38699382	Gmdrm	hyper	CHH	0.0201
Gm20	38712381	38713376	Gmdrm	hyper	CHH	0.0106
Gm20	38723645	38723915	Gmdrm	hyper	CHH	0.0689
Gm20	38757174	38758145	Gmdrm	hyper	CHH	0.03
Gm20	38759066	38760063	Gmdrm	hyper	CHH	0.0195
Gm20	38781672	38781869	Gmdrm	hyper	CHH	0.0244

Gm20	38794000	38794998	Gmdrm	hyper	CHH	0.0183
Gm20	38841015	38841169	Gmdrm	hyper	CHH	0.09
Gm20	38861007	38861963	Gmdrm	hyper	CHH	0.0146
Gm20	38873183	38873749	Gmdrm	hyper	CHH	0.0207
Gm20	38880222	38880262	Gmdrm	hyper	CHH	0.048
Gm20	38890552	38891544	Gmdrm	hyper	CHH	0.0158
Gm20	38923413	38923657	Gmdrm	hyper	CHH	0.0307
Gm20	38924810	38925570	Gmdrm	hyper	CHH	0.0519
Gm20	38926732	38927732	Gmdrm	hyper	CHH	0.0236
Gm20	38952400	38952805	Gmdrm	hyper	CHH	0.0372
Gm20	39001819	39002601	Gmdrm	hyper	CHH	0.0263
Gm20	39023576	39024193	Gmdrm	hyper	CHH	0.03
Gm20	39027156	39028148	Gmdrm	hyper	CHH	0.0186
Gm20	39073214	39074207	Gmdrm	hyper	CHH	0.0179
Gm20	39096411	39096845	Gmdrm	hyper	CHH	0.0344
Gm20	39102553	39103540	Gmdrm	hyper	CHH	0.0162
Gm20	39165491	39165565	Gmdrm	hyper	CHH	0.0314
Gm20	39181085	39182084	Gmdrm	hyper	CHH	0.0459
Gm20	39223288	39223515	Gmdrm	hyper	CHH	0.073
Gm20	39237679	39238676	Gmdrm	hyper	CHH	0.0208
Gm20	39240186	39240764	Gmdrm	hyper	CHH	0.0362
Gm20	39276119	39277083	Gmdrm	hyper	CHH	0.0341
Gm20	39321260	39322252	Gmdrm	hyper	CHH	0.0221
Gm20	39331716	39331927	Gmdrm	hyper	CHH	0.1164
Gm20	39359347	39360339	Gmdrm	hyper	CHH	0.0156
Gm20	39363199	39364194	Gmdrm	hyper	CHH	0.015
Gm20	39475676	39476230	Gmdrm	hyper	CHH	0.0162
Gm20	39476590	39476956	Gmdrm	hyper	CHH	0.0582
Gm20	39485150	39486123	Gmdrm	hyper	CHH	0.0228
Gm20	39487195	39487974	Gmdrm	hyper	CHH	0.039
Gm20	39501267	39502253	Gmdrm	hyper	CHH	0.0265
Gm20	39558407	39559058	Gmdrm	hyper	CHH	0.0131
Gm20	39607762	39608762	Gmdrm	hyper	CHH	0.0221
Gm20	39609343	39610322	Gmdrm	hyper	CHH	0.0193
Gm20	39611384	39612370	Gmdrm	hyper	CHH	0.0211
Gm20	39633962	39634962	Gmdrm	hyper	CHH	0.0477
Gm20	39643718	39644698	Gmdrm	hyper	CHH	0.0188
Gm20	39664236	39665230	Gmdrm	hyper	CHH	0.0136
Gm20	39672757	39673743	Gmdrm	hyper	CHH	0.0321
Gm20	39681291	39682287	Gmdrm	hyper	CHH	0.0156
Gm20	39696069	39696458	Gmdrm	hyper	CHH	0.0271
Gm20	39722103	39722821	Gmdrm	hyper	CHH	0.0542
Gm20	39744031	39745021	Gmdrm	hyper	CHH	0.0151
Gm20	39828502	39829497	Gmdrm	hyper	CHH	0.0122
Gm20	39846967	39847404	Gmdrm	hyper	CHH	0.0207
Gm20	39860337	39861273	Gmdrm	hyper	CHH	0.02

Gm20	39902623	39903203	Gmdrm	hyper	CHH	0.016
Gm20	39904322	39905318	Gmdrm	hyper	CHH	0.017
Gm20	39958356	39958560	Gmdrm	hyper	CHH	0.04
Gm20	40017522	40018513	Gmdrm	hyper	CHH	0.0325
Gm20	40029224	40030217	Gmdrm	hyper	CHH	0.0311
Gm20	40116799	40117745	Gmdrm	hyper	CHH	0.0146
Gm20	40136321	40137296	Gmdrm	hyper	CHH	0.0255
Gm20	40206598	40207590	Gmdrm	hyper	CHH	0.0183
Gm20	40263584	40264577	Gmdrm	hyper	CHH	0.014
Gm20	40303093	40304079	Gmdrm	hyper	CHH	0.0108
Gm20	40320290	40321270	Gmdrm	hyper	CHH	0.0314
Gm20	40339486	40339900	Gmdrm	hyper	CHH	0.0336
Gm20	40404676	40405613	Gmdrm	hyper	CHH	0.0197
Gm20	40409405	40409485	Gmdrm	hyper	CHH	0.03
Gm20	40457901	40458899	Gmdrm	hyper	CHH	0.015
Gm20	40462291	40463272	Gmdrm	hyper	CHH	0.0143
Gm20	40468439	40469357	Gmdrm	hyper	CHH	0.0119
Gm20	40491285	40492279	Gmdrm	hyper	CHH	0.0188
Gm20	40495472	40495828	Gmdrm	hyper	CHH	0.0428
Gm20	40499839	40500836	Gmdrm	hyper	CHH	0.0132
Gm20	40578893	40579893	Gmdrm	hyper	CHH	0.031
Gm20	40616415	40617401	Gmdrm	hyper	CHH	0.0184
Gm20	40631902	40632808	Gmdrm	hyper	CHH	0.027
Gm20	40636194	40637185	Gmdrm	hyper	CHH	0.0139
Gm20	40708543	40709520	Gmdrm	hyper	CHH	0.0097
Gm20	40765078	40766078	Gmdrm	hyper	CHH	0.0154
Gm20	40785722	40786012	Gmdrm	hyper	CHH	0.0385
Gm20	40807416	40807942	Gmdrm	hyper	CHH	0.0241
Gm20	40871028	40871992	Gmdrm	hyper	CHH	0.0117
Gm20	40941301	40942282	Gmdrm	hyper	CHH	0.0275
Gm20	40956343	40957339	Gmdrm	hyper	CHH	0.0253
Gm20	40986473	40987454	Gmdrm	hyper	CHH	0.017
Gm20	41008712	41009712	Gmdrm	hyper	CHH	0.0146
Gm20	41060534	41061533	Gmdrm	hyper	CHH	0.0221
Gm20	41130464	41131434	Gmdrm	hyper	CHH	0.0117
Gm20	41157992	41158357	Gmdrm	hyper	CHH	0.0819
Gm20	41216940	41217936	Gmdrm	hyper	CHH	0.019
Gm20	41269418	41270418	Gmdrm	hyper	CHH	0.0157
Gm20	41343820	41344561	Gmdrm	hyper	CHH	0.0276
Gm20	41355794	41356780	Gmdrm	hyper	CHH	0.0206
Gm20	41387876	41388514	Gmdrm	hyper	CHH	0.0261
Gm20	41421084	41422009	Gmdrm	hyper	CHH	0.0146
Gm20	41441705	41442701	Gmdrm	hyper	CHH	0.0144
Gm20	41458300	41459295	Gmdrm	hyper	CHH	0.02
Gm20	41525519	41526518	Gmdrm	hyper	CHH	0.0154
Gm20	41600931	41601912	Gmdrm	hyper	CHH	0.0163

Gm20	41624434	41625414	Gmdrm	hyper	CHH	0.0159
Gm20	41666000	41666122	Gmdrm	hyper	CHH	0.0644
Gm20	41676273	41677244	Gmdrm	hyper	CHH	0.0133
Gm20	41753955	41754949	Gmdrm	hyper	CHH	0.0119
Gm20	41760010	41760294	Gmdrm	hyper	CHH	0.0185
Gm20	41761472	41762456	Gmdrm	hyper	CHH	0.0189
Gm20	41831019	41832018	Gmdrm	hyper	CHH	0.0304
Gm20	41941164	41941469	Gmdrm	hyper	CHH	0.023
Gm20	41965382	41965858	Gmdrm	hyper	CHH	0.025
Gm20	41965966	41966964	Gmdrm	hyper	CHH	0.0182
Gm20	41967929	41968919	Gmdrm	hyper	CHH	0.0279
Gm20	41982191	41983177	Gmdrm	hyper	CHH	0.0186
Gm20	42036668	42036955	Gmdrm	hyper	CHH	0.07
Gm20	42111254	42111904	Gmdrm	hyper	CHH	0.0281
Gm20	42146355	42146646	Gmdrm	hyper	CHH	0.0539
Gm20	42221714	42222691	Gmdrm	hyper	CHH	0.0146
Gm20	42306834	42307463	Gmdrm	hyper	CHH	0.0423
Gm20	42307663	42308646	Gmdrm	hyper	CHH	0.0153
Gm20	42341574	42341808	Gmdrm	hyper	CHH	0.025
Gm20	42420272	42421261	Gmdrm	hyper	CHH	0.0181
Gm20	42568662	42568957	Gmdrm	hyper	CHH	0.0531
Gm20	42577639	42578346	Gmdrm	hyper	CHH	0.05
Gm20	42614447	42614758	Gmdrm	hyper	CHH	0.0313
Gm20	42656200	42657199	Gmdrm	hyper	CHH	0.026
Gm20	42688438	42689432	Gmdrm	hyper	CHH	0.0148
Gm20	42707474	42708435	Gmdrm	hyper	CHH	0.0117
Gm20	42729433	42730280	Gmdrm	hyper	CHH	0.023
Gm20	42740639	42741637	Gmdrm	hyper	CHH	0.0177
Gm20	42748267	42749202	Gmdrm	hyper	CHH	0.0142
Gm20	42749278	42750258	Gmdrm	hyper	CHH	0.0114
Gm20	42751997	42752255	Gmdrm	hyper	CHH	0.035
Gm20	42816364	42817263	Gmdrm	hyper	CHH	0.0182
Gm20	42839091	42840079	Gmdrm	hyper	CHH	0.022
Gm20	42923027	42924023	Gmdrm	hyper	CHH	0.0234
Gm20	42935918	42936914	Gmdrm	hyper	CHH	0.0169
Gm20	43120648	43121310	Gmdrm	hyper	CHH	0.0098
Gm20	43124411	43125406	Gmdrm	hyper	CHH	0.0151
Gm20	43132607	43133593	Gmdrm	hyper	CHH	0.0152
Gm20	43167493	43168492	Gmdrm	hyper	CHH	0.0206
Gm20	43177713	43178462	Gmdrm	hyper	CHH	0.0185
Gm20	43228870	43229870	Gmdrm	hyper	CHH	0.0231
Gm20	43243444	43244398	Gmdrm	hyper	CHH	0.0153
Gm20	43244472	43245377	Gmdrm	hyper	CHH	0.0263
Gm20	43252461	43253139	Gmdrm	hyper	CHH	0.0167
Gm20	43261598	43262540	Gmdrm	hyper	CHH	0.0181
Gm20	43339487	43340486	Gmdrm	hyper	CHH	0.0353

Gm20	43397350	43398328	Gmdrm	hyper	CHH	0.0269
Gm20	43428563	43429559	Gmdrm	hyper	CHH	0.0337
Gm20	43499984	43500965	Gmdrm	hyper	CHH	0.0133
Gm20	43504056	43505011	Gmdrm	hyper	CHH	0.0268
Gm20	43589353	43589596	Gmdrm	hyper	CHH	0.0691
Gm20	43602747	43603550	Gmdrm	hyper	CHH	0.0329
Gm20	43625735	43626443	Gmdrm	hyper	CHH	0.0341
Gm20	43684615	43685174	Gmdrm	hyper	CHH	0.0129
Gm20	43690429	43691419	Gmdrm	hyper	CHH	0.0202
Gm20	43709646	43710579	Gmdrm	hyper	CHH	0.0158
Gm20	43762507	43762795	Gmdrm	hyper	CHH	0.0329
Gm20	43797536	43798520	Gmdrm	hyper	CHH	0.0394
Gm20	43818315	43819307	Gmdrm	hyper	CHH	0.01
Gm20	43830660	43831223	Gmdrm	hyper	CHH	0.0173
Gm20	43855897	43856877	Gmdrm	hyper	CHH	0.0206
Gm20	43882745	43883738	Gmdrm	hyper	CHH	0.0118
Gm20	43898130	43899128	Gmdrm	hyper	CHH	0.0141
Gm20	44001605	44002596	Gmdrm	hyper	CHH	0.0128
Gm20	44078396	44079389	Gmdrm	hyper	CHH	0.0137
Gm20	44132895	44133861	Gmdrm	hyper	CHH	0.0265
Gm20	44273161	44274142	Gmdrm	hyper	CHH	0.0158
Gm20	44357307	44357633	Gmdrm	hyper	CHH	0.0193
Gm20	44383015	44384013	Gmdrm	hyper	CHH	0.1201
Gm20	44384018	44384973	Gmdrm	hyper	CHH	0.0686
Gm20	44391152	44392123	Gmdrm	hyper	CHH	0.0206
Gm20	44433431	44433674	Gmdrm	hyper	CHH	0.0492
Gm20	44518562	44518681	Gmdrm	hyper	CHH	0.0667
Gm20	44532989	44533988	Gmdrm	hyper	CHH	0.0345
Gm20	44542336	44542416	Gmdrm	hyper	CHH	0.044
Gm20	44614465	44615184	Gmdrm	hyper	CHH	0.0197
Gm20	44626057	44626973	Gmdrm	hyper	CHH	0.016
Gm20	44666399	44667375	Gmdrm	hyper	CHH	0.0221
Gm20	44678980	44679170	Gmdrm	hyper	CHH	0.0375
Gm20	44689171	44690147	Gmdrm	hyper	CHH	0.0144
Gm20	44700708	44700850	Gmdrm	hyper	CHH	0.0222
Gm20	44719159	44719192	Gmdrm	hyper	CHH	0.056
Gm20	44753334	44754330	Gmdrm	hyper	CHH	0.0101
Gm20	44835608	44836600	Gmdrm	hyper	CHH	0.0172
Gm20	44860986	44861984	Gmdrm	hyper	CHH	0.0127
Gm20	44879482	44880458	Gmdrm	hyper	CHH	0.0402
Gm20	44894418	44895409	Gmdrm	hyper	CHH	0.019
Gm20	44952962	44953066	Gmdrm	hyper	CHH	0.042
Gm20	44964809	44964896	Gmdrm	hyper	CHH	0.056
Gm20	44970568	44971328	Gmdrm	hyper	CHH	0.0349
Gm20	45059480	45060473	Gmdrm	hyper	CHH	0.0252
Gm20	45091758	45091925	Gmdrm	hyper	CHH	0.055

Gm20	45094683	45095664	Gmdrm	hyper	CHH	0.0119
Gm20	45124653	45125605	Gmdrm	hyper	CHH	0.0261
Gm20	45133012	45134008	Gmdrm	hyper	CHH	0.0192
Gm20	45180010	45180815	Gmdrm	hyper	CHH	0.0336
Gm20	45225280	45226279	Gmdrm	hyper	CHH	0.04
Gm20	45271796	45272778	Gmdrm	hyper	CHH	0.0144
Gm20	45294783	45294855	Gmdrm	hyper	CHH	0.132
Gm20	45317888	45318874	Gmdrm	hyper	CHH	0.0254
Gm20	45437937	45438533	Gmdrm	hyper	CHH	0.0316
Gm20	45439677	45440672	Gmdrm	hyper	CHH	0.0166
Gm20	45498806	45498866	Gmdrm	hyper	CHH	0.03
Gm20	45522908	45523870	Gmdrm	hyper	CHH	0.0195
Gm20	45562856	45562983	Gmdrm	hyper	CHH	0.03
Gm20	45577358	45578332	Gmdrm	hyper	CHH	0.0284
Gm20	45601471	45601541	Gmdrm	hyper	CHH	0.0325
Gm20	45615156	45615294	Gmdrm	hyper	CHH	0.0475
Gm20	45628989	45629988	Gmdrm	hyper	CHH	0.0133
Gm20	45648619	45649594	Gmdrm	hyper	CHH	0.0145
Gm20	45699580	45699732	Gmdrm	hyper	CHH	0.0195
Gm20	45775513	45776486	Gmdrm	hyper	CHH	0.0141
Gm20	45780516	45781508	Gmdrm	hyper	CHH	0.0137
Gm20	45789496	45790496	Gmdrm	hyper	CHH	0.0317
Gm20	45792132	45792939	Gmdrm	hyper	CHH	0.0221
Gm20	45835285	45836214	Gmdrm	hyper	CHH	0.0192
Gm20	45890322	45890566	Gmdrm	hyper	CHH	0.0437
Gm20	45895828	45896188	Gmdrm	hyper	CHH	0.031
Gm20	45963546	45963946	Gmdrm	hyper	CHH	0.0262
Gm20	45972243	45973233	Gmdrm	hyper	CHH	0.042
Gm20	45989959	45990493	Gmdrm	hyper	CHH	0.0242
Gm20	46007587	46007885	Gmdrm	hyper	CHH	0.028
Gm20	46021199	46021253	Gmdrm	hyper	CHH	0.0986
Gm20	46199871	46199971	Gmdrm	hyper	CHH	0.106
Gm20	46219219	46220215	Gmdrm	hyper	CHH	0.0205
Gm20	46224980	46225970	Gmdrm	hyper	CHH	0.0334
Gm20	46227167	46228149	Gmdrm	hyper	CHH	0.0112
Gm20	46250321	46251291	Gmdrm	hyper	CHH	0.0153
Gm20	46271750	46272725	Gmdrm	hyper	CHH	0.0264
Gm20	46283060	46284060	Gmdrm	hyper	CHH	0.044
Gm20	46304083	46304968	Gmdrm	hyper	CHH	0.0126
Gm20	46315838	46316832	Gmdrm	hyper	CHH	0.0151
Gm20	46335650	46336637	Gmdrm	hyper	CHH	0.0129
Gm20	46338991	46339989	Gmdrm	hyper	CHH	0.0176
Gm20	46339994	46340983	Gmdrm	hyper	CHH	0.0192
Gm20	46361442	46362422	Gmdrm	hyper	CHH	0.0331
Gm20	46367579	46368579	Gmdrm	hyper	CHH	0.0165
Gm20	46422238	46423238	Gmdrm	hyper	CHH	0.0181

Gm20	46480847	46481837	Gmdrm	hyper	CHH	0.041
Gm20	46499065	46500060	Gmdrm	hyper	CHH	0.0159
Gm20	46500068	46500884	Gmdrm	hyper	CHH	0.022
Gm20	46513901	46514899	Gmdrm	hyper	CHH	0.0094
Gm20	46533977	46534421	Gmdrm	hyper	CHH	0.0578
Gm20	46534535	46535521	Gmdrm	hyper	CHH	0.0247
Gm20	46546889	46547000	Gmdrm	hyper	CHH	0.053
Gm20	46554310	46555309	Gmdrm	hyper	CHH	0.0348
Gm20	46587398	46588395	Gmdrm	hyper	CHH	0.0114
Gm20	46635054	46635127	Gmdrm	hyper	CHH	0.048
Gm20	46645674	46646658	Gmdrm	hyper	CHH	0.0318
Gm20	46688987	46689982	Gmdrm	hyper	CHH	0.0264
Gm20	46815430	46816362	Gmdrm	hyper	CHH	0.0222
Gm20	46825703	46825898	Gmdrm	hyper	CHH	0.05
Gm20	46860752	46861470	Gmdrm	hyper	CHH	0.0468
Gm20	46866428	46867418	Gmdrm	hyper	CHH	0.0132
Gm20	46867456	46868442	Gmdrm	hyper	CHH	0.0211
Gm20	46885645	46886631	Gmdrm	hyper	CHH	0.0293
Gm20	46901890	46901992	Gmdrm	hyper	CHH	0.1725
Gm20	46904524	46905506	Gmdrm	hyper	CHH	0.0118
Gm20	46931767	46932761	Gmdrm	hyper	CHH	0.0141
Gm20	46938508	46939502	Gmdrm	hyper	CHH	0.0184
Gm20	46945438	46946432	Gmdrm	hyper	CHH	0.0165
Gm20	46955370	46956369	Gmdrm	hyper	CHH	0.0189
Gm20	46977845	46977972	Gmdrm	hyper	CHH	0.0625
Gm20	46997532	46998532	Gmdrm	hyper	CHH	0.0154
Gm20	47007458	47008456	Gmdrm	hyper	CHH	0.0108
Gm20	47035199	47036197	Gmdrm	hyper	CHH	0.0142
Gm20	47040513	47041484	Gmdrm	hyper	CHH	0.0171
Gm20	47238502	47239500	Gmdrm	hyper	CHH	0.0123
Gm20	47239513	47239891	Gmdrm	hyper	CHH	0.0396
Gm20	47273960	47274182	Gmdrm	hyper	CHH	0.0264
Gm20	47283505	47284469	Gmdrm	hyper	CHH	0.0284
Gm20	47435946	47436940	Gmdrm	hyper	CHH	0.0739
Gm20	47500857	47501819	Gmdrm	hyper	CHH	0.0136
Gm20	47544507	47545507	Gmdrm	hyper	CHH	0.0161
Gm20	47549457	47550440	Gmdrm	hyper	CHH	0.0208
Gm20	47568430	47568652	Gmdrm	hyper	CHH	0.035
Gm20	47591607	47592598	Gmdrm	hyper	CHH	0.03
Gm20	47688603	47688692	Gmdrm	hyper	CHH	0.0667
Gm20	47692832	47693383	Gmdrm	hyper	CHH	0.0228
Gm20	47721157	47721462	Gmdrm	hyper	CHH	0.0741
Gm20	47734049	47734990	Gmdrm	hyper	CHH	0.0175
Gm20	47833089	47834084	Gmdrm	hyper	CHH	0.021
scaffold_117	25021	25419	Gmdrm	hyper	CHH	0.0932
scaffold_127	2844	3696	Gmdrm	hyper	CHH	0.0552

scaffold_127	6396	7253 Gmdrm	hyper	CHH	0.0527
scaffold_127	9984	10599 Gmdrm	hyper	CHH	0.0596
scaffold_127	29457	30408 Gmdrm	hyper	CHH	0.0664
scaffold_127	30489	31486 Gmdrm	hyper	CHH	0.054
scaffold_127	32156	33153 Gmdrm	hyper	CHH	0.0339
scaffold_127	33165	34162 Gmdrm	hyper	CHH	0.0317
scaffold_127	41300	42298 Gmdrm	hyper	CHH	0.0299
scaffold_128	6866	7202 Gmdrm	hyper	CHH	0.0946
scaffold_138	51554	52497 Gmdrm	hyper	CHH	0.0166
scaffold_143	14055	15055 Gmdrm	hyper	CHH	0.0464
scaffold_143	15059	16053 Gmdrm	hyper	CHH	0.0642
scaffold_143	49028	49444 Gmdrm	hyper	CHH	0.0715
scaffold_152	13467	13899 Gmdrm	hyper	CHH	0.0554
scaffold_152	16838	16943 Gmdrm	hyper	CHH	0.16
scaffold_174	4377	4653 Gmdrm	hyper	CHH	0.0394
scaffold_22	54874	54931 Gmdrm	hyper	CHH	0.22
scaffold_22	228746	229041 Gmdrm	hyper	CHH	0.1017
scaffold_22	445424	446424 Gmdrm	hyper	CHH	0.0394
scaffold_22	466325	467294 Gmdrm	hyper	CHH	0.0626
scaffold_22	468348	469331 Gmdrm	hyper	CHH	0.0467
scaffold_239	12933	13931 Gmdrm	hyper	CHH	0.0169
scaffold_24	376026	376323 Gmdrm	hyper	CHH	0.142
scaffold_250	17102	18101 Gmdrm	hyper	CHH	0.0399
scaffold_26	39783	39989 Gmdrm	hyper	CHH	0.0664
scaffold_26	138965	139135 Gmdrm	hyper	CHH	0.0939
scaffold_26	147123	147837 Gmdrm	hyper	CHH	0.0429
scaffold_26	186352	186378 Gmdrm	hyper	CHH	0.1314
scaffold_26	255926	256131 Gmdrm	hyper	CHH	0.0843
scaffold_26	289053	290005 Gmdrm	hyper	CHH	0.0419
scaffold_29	91527	91593 Gmdrm	hyper	CHH	0.1628
scaffold_29	100229	101229 Gmdrm	hyper	CHH	0.033
scaffold_30	232332	233033 Gmdrm	hyper	CHH	0.0775
scaffold_31	55067	55148 Gmdrm	hyper	CHH	0.175
scaffold_31	67841	68207 Gmdrm	hyper	CHH	0.0715
scaffold_31	106676	107215 Gmdrm	hyper	CHH	0.0567
scaffold_31	118258	118352 Gmdrm	hyper	CHH	0.085
scaffold_31	138021	138355 Gmdrm	hyper	CHH	0.0372
scaffold_31	183439	183620 Gmdrm	hyper	CHH	0.13
scaffold_31	206716	207004 Gmdrm	hyper	CHH	0.081
scaffold_324	8960	9278 Gmdrm	hyper	CHH	0.107
scaffold_33	130534	130730 Gmdrm	hyper	CHH	0.1155
scaffold_33	192980	193185 Gmdrm	hyper	CHH	0.1425
scaffold_33	239155	239280 Gmdrm	hyper	CHH	0.1585
scaffold_34	81703	82090 Gmdrm	hyper	CHH	0.0419
scaffold_34	142698	143272 Gmdrm	hyper	CHH	0.0611
scaffold_34	220365	220438 Gmdrm	hyper	CHH	0.08

scaffold_34	253077	253171 Gmdrm	hyper	CHH	0.12
scaffold_36	49467	49927 Gmdrm	hyper	CHH	0.0698
scaffold_36	92569	93226 Gmdrm	hyper	CHH	0.0613
scaffold_36	98323	98439 Gmdrm	hyper	CHH	0.1226
scaffold_36	130467	131466 Gmdrm	hyper	CHH	0.0409
scaffold_36	131479	132473 Gmdrm	hyper	CHH	0.0368
scaffold_36	139432	139631 Gmdrm	hyper	CHH	0.1359
scaffold_36	140068	141063 Gmdrm	hyper	CHH	0.0582
scaffold_36	141076	141680 Gmdrm	hyper	CHH	0.0915
scaffold_36	178830	179149 Gmdrm	hyper	CHH	0.1334
scaffold_36	179846	180841 Gmdrm	hyper	CHH	0.0583
scaffold_36	180852	181298 Gmdrm	hyper	CHH	0.1039
scaffold_36	183363	184352 Gmdrm	hyper	CHH	0.0387
scaffold_36	187497	187904 Gmdrm	hyper	CHH	0.1244
scaffold_36	188632	189216 Gmdrm	hyper	CHH	0.0943
scaffold_36	196452	197452 Gmdrm	hyper	CHH	0.0685
scaffold_36	199201	199678 Gmdrm	hyper	CHH	0.1111
scaffold_36	206492	206601 Gmdrm	hyper	CHH	0.13
scaffold_36	206784	207783 Gmdrm	hyper	CHH	0.0587
scaffold_36	231794	232794 Gmdrm	hyper	CHH	0.0803
scaffold_36	232799	233316 Gmdrm	hyper	CHH	0.0859
scaffold_36	233789	234522 Gmdrm	hyper	CHH	0.1034
scaffold_36	237256	238201 Gmdrm	hyper	CHH	0.0593
scaffold_36	242695	243185 Gmdrm	hyper	CHH	0.1332
scaffold_37	117536	117709 Gmdrm	hyper	CHH	0.049
scaffold_39	105193	105469 Gmdrm	hyper	CHH	0.0847
scaffold_405	5973	6394 Gmdrm	hyper	CHH	0.0871
scaffold_46	60627	60815 Gmdrm	hyper	CHH	0.0861
scaffold_47	181789	182085 Gmdrm	hyper	CHH	0.1484
scaffold_484	9307	9352 Gmdrm	hyper	CHH	0.26
scaffold_501	6010	6977 Gmdrm	hyper	CHH	0.0493
scaffold_506	7530	8528 Gmdrm	hyper	CHH	0.011
scaffold_52	80347	80492 Gmdrm	hyper	CHH	0.17
scaffold_524	393	1380 Gmdrm	hyper	CHH	0.0155
scaffold_60	1908	2091 Gmdrm	hyper	CHH	0.1518
scaffold_60	3131	3849 Gmdrm	hyper	CHH	0.0691
scaffold_60	12618	13612 Gmdrm	hyper	CHH	0.0395
scaffold_60	13651	14642 Gmdrm	hyper	CHH	0.0555
scaffold_60	21208	21457 Gmdrm	hyper	CHH	0.1043
scaffold_60	23002	23317 Gmdrm	hyper	CHH	0.0919
scaffold_60	33544	33785 Gmdrm	hyper	CHH	0.0878
scaffold_60	53198	53663 Gmdrm	hyper	CHH	0.0895
scaffold_60	60393	60423 Gmdrm	hyper	CHH	0.095
scaffold_60	69405	69520 Gmdrm	hyper	CHH	0.0743
scaffold_60	71424	71736 Gmdrm	hyper	CHH	0.097
scaffold_60	93974	94303 Gmdrm	hyper	CHH	0.1035

scaffold_61	31334	31524 Gmdrm	hyper	CHH	0.117
scaffold_62	119857	120395 Gmdrm	hyper	CHH	0.0815
scaffold_62	123352	124315 Gmdrm	hyper	CHH	0.0742
scaffold_74	4254	4316 Gmdrm	hyper	CHH	0.2962
scaffold_83	5916	6888 Gmdrm	hyper	CHH	0.0424
scaffold_88	51344	52076 Gmdrm	hyper	CHH	0.0151
scaffold_92	33028	33092 Gmdrm	hyper	CHH	0.1383
scaffold_92	60749	61746 Gmdrm	hyper	CHH	0.0257
Gm01	35155	36129 Gmdrm	hypo	CHH	-0.1282
Gm01	36156	37001 Gmdrm	hypo	CHH	-0.1055
Gm01	40833	41819 Gmdrm	hypo	CHH	-0.0818
Gm01	41844	42812 Gmdrm	hypo	CHH	-0.1028
Gm01	57049	57249 Gmdrm	hypo	CHH	-0.0354
Gm01	67130	67580 Gmdrm	hypo	CHH	-0.0423
Gm01	77976	78191 Gmdrm	hypo	CHH	-0.0658
Gm01	78326	79325 Gmdrm	hypo	CHH	-0.0506
Gm01	93380	94363 Gmdrm	hypo	CHH	-0.0536
Gm01	155403	156383 Gmdrm	hypo	CHH	-0.0405
Gm01	168919	169812 Gmdrm	hypo	CHH	-0.0252
Gm01	177621	178594 Gmdrm	hypo	CHH	-0.0348
Gm01	208154	209150 Gmdrm	hypo	CHH	-0.0131
Gm01	212297	213292 Gmdrm	hypo	CHH	-0.0138
Gm01	245026	246019 Gmdrm	hypo	CHH	-0.0781
Gm01	249200	250197 Gmdrm	hypo	CHH	-0.0405
Gm01	250203	251037 Gmdrm	hypo	CHH	-0.0184
Gm01	255777	256747 Gmdrm	hypo	CHH	-0.0156
Gm01	256800	257786 Gmdrm	hypo	CHH	-0.0299
Gm01	270819	271770 Gmdrm	hypo	CHH	-0.018
Gm01	275090	276056 Gmdrm	hypo	CHH	-0.0254
Gm01	296749	296947 Gmdrm	hypo	CHH	-0.1036
Gm01	301229	302221 Gmdrm	hypo	CHH	-0.1534
Gm01	302234	303233 Gmdrm	hypo	CHH	-0.0158
Gm01	330934	331887 Gmdrm	hypo	CHH	-0.0146
Gm01	340327	341319 Gmdrm	hypo	CHH	-0.0768
Gm01	341329	341815 Gmdrm	hypo	CHH	-0.124
Gm01	344700	345699 Gmdrm	hypo	CHH	-0.0145
Gm01	347029	348005 Gmdrm	hypo	CHH	-0.0181
Gm01	354067	355067 Gmdrm	hypo	CHH	-0.0866
Gm01	359930	360929 Gmdrm	hypo	CHH	-0.3639
Gm01	361382	362330 Gmdrm	hypo	CHH	-0.0792
Gm01	364673	365673 Gmdrm	hypo	CHH	-0.1388
Gm01	381043	382011 Gmdrm	hypo	CHH	-0.0944
Gm01	389008	390003 Gmdrm	hypo	CHH	-0.0301
Gm01	394024	394567 Gmdrm	hypo	CHH	-0.0254
Gm01	394701	395673 Gmdrm	hypo	CHH	-0.0258
Gm01	395702	396683 Gmdrm	hypo	CHH	-0.019

Gm01	417335	417672 Gmdrm	hypo	CHH	-0.3718
Gm01	424755	425610 Gmdrm	hypo	CHH	-0.0152
Gm01	429797	430794 Gmdrm	hypo	CHH	-0.0355
Gm01	443600	444592 Gmdrm	hypo	CHH	-0.0282
Gm01	450577	451555 Gmdrm	hypo	CHH	-0.0254
Gm01	453652	454646 Gmdrm	hypo	CHH	-0.0162
Gm01	474342	475333 Gmdrm	hypo	CHH	-0.018
Gm01	486455	487439 Gmdrm	hypo	CHH	-0.0172
Gm01	505601	506590 Gmdrm	hypo	CHH	-0.0161
Gm01	509134	510121 Gmdrm	hypo	CHH	-0.0225
Gm01	512219	513206 Gmdrm	hypo	CHH	-0.0236
Gm01	516244	517024 Gmdrm	hypo	CHH	-0.05
Gm01	519623	520573 Gmdrm	hypo	CHH	-0.0711
Gm01	528665	529662 Gmdrm	hypo	CHH	-0.0207
Gm01	529676	530675 Gmdrm	hypo	CHH	-0.015
Gm01	530688	531372 Gmdrm	hypo	CHH	-0.0318
Gm01	532911	533887 Gmdrm	hypo	CHH	-0.0332
Gm01	533913	534913 Gmdrm	hypo	CHH	-0.2563
Gm01	556217	557184 Gmdrm	hypo	CHH	-0.0345
Gm01	557220	558212 Gmdrm	hypo	CHH	-0.0818
Gm01	558222	559215 Gmdrm	hypo	CHH	-0.0975
Gm01	559228	560205 Gmdrm	hypo	CHH	-0.0463
Gm01	566931	567929 Gmdrm	hypo	CHH	-0.0137
Gm01	567941	568924 Gmdrm	hypo	CHH	-0.1169
Gm01	568947	569946 Gmdrm	hypo	CHH	-0.0282
Gm01	569953	570327 Gmdrm	hypo	CHH	-0.0189
Gm01	580774	581567 Gmdrm	hypo	CHH	-0.0513
Gm01	583762	584479 Gmdrm	hypo	CHH	-0.0142
Gm01	591520	592517 Gmdrm	hypo	CHH	-0.0176
Gm01	603659	604655 Gmdrm	hypo	CHH	-0.0488
Gm01	604661	605659 Gmdrm	hypo	CHH	-0.0801
Gm01	605665	606654 Gmdrm	hypo	CHH	-0.0695
Gm01	615813	616792 Gmdrm	hypo	CHH	-0.085
Gm01	658605	658759 Gmdrm	hypo	CHH	-0.0337
Gm01	660111	661107 Gmdrm	hypo	CHH	-0.0198
Gm01	673033	674017 Gmdrm	hypo	CHH	-0.0491
Gm01	674047	675035 Gmdrm	hypo	CHH	-0.0472
Gm01	676084	676550 Gmdrm	hypo	CHH	-0.0256
Gm01	678535	679531 Gmdrm	hypo	CHH	-0.0238
Gm01	681217	682200 Gmdrm	hypo	CHH	-0.0602
Gm01	682221	683207 Gmdrm	hypo	CHH	-0.0954
Gm01	693418	694417 Gmdrm	hypo	CHH	-0.1016
Gm01	694420	695398 Gmdrm	hypo	CHH	-0.0611
Gm01	696424	697221 Gmdrm	hypo	CHH	-0.037
Gm01	704968	705956 Gmdrm	hypo	CHH	-0.0833
Gm01	728076	728708 Gmdrm	hypo	CHH	-0.0297

Gm01	730026	730980 Gmdrm	hypo	CHH	-0.0143
Gm01	736373	737341 Gmdrm	hypo	CHH	-0.0219
Gm01	740433	741429 Gmdrm	hypo	CHH	-0.0198
Gm01	745657	746403 Gmdrm	hypo	CHH	-0.137
Gm01	753408	754387 Gmdrm	hypo	CHH	-0.034
Gm01	755438	756422 Gmdrm	hypo	CHH	-0.0289
Gm01	766174	767174 Gmdrm	hypo	CHH	-0.023
Gm01	776562	777542 Gmdrm	hypo	CHH	-0.0187
Gm01	795652	796648 Gmdrm	hypo	CHH	-0.0636
Gm01	822116	823098 Gmdrm	hypo	CHH	-0.0179
Gm01	828797	829779 Gmdrm	hypo	CHH	-0.0455
Gm01	829872	830212 Gmdrm	hypo	CHH	-0.112
Gm01	830323	830359 Gmdrm	hypo	CHH	-0.466
Gm01	831111	832082 Gmdrm	hypo	CHH	-0.1465
Gm01	853587	854587 Gmdrm	hypo	CHH	-0.0525
Gm01	861927	862921 Gmdrm	hypo	CHH	-0.038
Gm01	862930	863915 Gmdrm	hypo	CHH	-0.0482
Gm01	865939	866934 Gmdrm	hypo	CHH	-0.0704
Gm01	877630	877702 Gmdrm	hypo	CHH	-0.0517
Gm01	887289	887822 Gmdrm	hypo	CHH	-0.0542
Gm01	888169	889148 Gmdrm	hypo	CHH	-0.2219
Gm01	890973	891782 Gmdrm	hypo	CHH	-0.2148
Gm01	892945	893233 Gmdrm	hypo	CHH	-0.0464
Gm01	893398	894371 Gmdrm	hypo	CHH	-0.1375
Gm01	894411	895409 Gmdrm	hypo	CHH	-0.0505
Gm01	895414	896163 Gmdrm	hypo	CHH	-0.0269
Gm01	904791	905788 Gmdrm	hypo	CHH	-0.0566
Gm01	908593	909576 Gmdrm	hypo	CHH	-0.0198
Gm01	920857	921464 Gmdrm	hypo	CHH	-0.0275
Gm01	935561	936559 Gmdrm	hypo	CHH	-0.0783
Gm01	940795	941120 Gmdrm	hypo	CHH	-0.0336
Gm01	954001	955000 Gmdrm	hypo	CHH	-0.0144
Gm01	955014	955989 Gmdrm	hypo	CHH	-0.0888
Gm01	962601	963594 Gmdrm	hypo	CHH	-0.1401
Gm01	969690	970327 Gmdrm	hypo	CHH	-0.0582
Gm01	978656	979631 Gmdrm	hypo	CHH	-0.0309
Gm01	983600	984587 Gmdrm	hypo	CHH	-0.0259
Gm01	1000507	1001458 Gmdrm	hypo	CHH	-0.0156
Gm01	1002956	1003953 Gmdrm	hypo	CHH	-0.0137
Gm01	1018722	1019721 Gmdrm	hypo	CHH	-0.0974
Gm01	1026399	1027392 Gmdrm	hypo	CHH	-0.0342
Gm01	1059038	1060015 Gmdrm	hypo	CHH	-0.0401
Gm01	1065324	1066314 Gmdrm	hypo	CHH	-0.0141
Gm01	1069137	1070135 Gmdrm	hypo	CHH	-0.014
Gm01	1078494	1079479 Gmdrm	hypo	CHH	-0.0316
Gm01	1087034	1087992 Gmdrm	hypo	CHH	-0.0239

Gm01	1091057	1092038 Gmdrm	hypo	CHH	-0.0227
Gm01	1098315	1099133 Gmdrm	hypo	CHH	-0.0211
Gm01	1102183	1103182 Gmdrm	hypo	CHH	-0.1288
Gm01	1107351	1108347 Gmdrm	hypo	CHH	-0.0615
Gm01	1114732	1115729 Gmdrm	hypo	CHH	-0.2072
Gm01	1115734	1116625 Gmdrm	hypo	CHH	-0.0391
Gm01	1116726	1117109 Gmdrm	hypo	CHH	-0.149
Gm01	1133442	1133474 Gmdrm	hypo	CHH	-0.191
Gm01	1133582	1134580 Gmdrm	hypo	CHH	-0.1827
Gm01	1134583	1134741 Gmdrm	hypo	CHH	-0.4146
Gm01	1152367	1153364 Gmdrm	hypo	CHH	-0.0209
Gm01	1153369	1154366 Gmdrm	hypo	CHH	-0.0265
Gm01	1157427	1158423 Gmdrm	hypo	CHH	-0.0568
Gm01	1158431	1159411 Gmdrm	hypo	CHH	-0.0629
Gm01	1161471	1162465 Gmdrm	hypo	CHH	-0.0553
Gm01	1170635	1171533 Gmdrm	hypo	CHH	-0.0518
Gm01	1179646	1180641 Gmdrm	hypo	CHH	-0.0679
Gm01	1199377	1200312 Gmdrm	hypo	CHH	-0.0141
Gm01	1216506	1217489 Gmdrm	hypo	CHH	-0.0329
Gm01	1227026	1228024 Gmdrm	hypo	CHH	-0.029
Gm01	1239749	1240748 Gmdrm	hypo	CHH	-0.0201
Gm01	1259954	1260720 Gmdrm	hypo	CHH	-0.1579
Gm01	1263353	1264349 Gmdrm	hypo	CHH	-0.0414
Gm01	1264359	1265332 Gmdrm	hypo	CHH	-0.0762
Gm01	1293390	1294356 Gmdrm	hypo	CHH	-0.0354
Gm01	1296253	1297248 Gmdrm	hypo	CHH	-0.0474
Gm01	1297257	1298257 Gmdrm	hypo	CHH	-0.0247
Gm01	1298263	1299223 Gmdrm	hypo	CHH	-0.0331
Gm01	1299273	1300271 Gmdrm	hypo	CHH	-0.0921
Gm01	1300276	1301264 Gmdrm	hypo	CHH	-0.1011
Gm01	1304785	1305606 Gmdrm	hypo	CHH	-0.0243
Gm01	1312040	1313027 Gmdrm	hypo	CHH	-0.0187
Gm01	1318586	1319577 Gmdrm	hypo	CHH	-0.0101
Gm01	1321634	1322597 Gmdrm	hypo	CHH	-0.0978
Gm01	1324678	1325657 Gmdrm	hypo	CHH	-0.0144
Gm01	1325685	1326146 Gmdrm	hypo	CHH	-0.0215
Gm01	1337642	1338637 Gmdrm	hypo	CHH	-0.0729
Gm01	1342011	1343006 Gmdrm	hypo	CHH	-0.0393
Gm01	1344412	1344924 Gmdrm	hypo	CHH	-0.0367
Gm01	1349728	1350706 Gmdrm	hypo	CHH	-0.0143
Gm01	1377217	1378210 Gmdrm	hypo	CHH	-0.0282
Gm01	1381819	1382810 Gmdrm	hypo	CHH	-0.0118
Gm01	1386108	1387097 Gmdrm	hypo	CHH	-0.0536
Gm01	1405010	1406006 Gmdrm	hypo	CHH	-0.0123
Gm01	1420606	1421600 Gmdrm	hypo	CHH	-0.2464
Gm01	1436293	1437033 Gmdrm	hypo	CHH	-0.0231

Gm01	1437152	1438146	Gmdrm	hypo	CHH	-0.0182
Gm01	1439159	1440148	Gmdrm	hypo	CHH	-0.0335
Gm01	1440168	1441167	Gmdrm	hypo	CHH	-0.036
Gm01	1442178	1443169	Gmdrm	hypo	CHH	-0.0362
Gm01	1443189	1444187	Gmdrm	hypo	CHH	-0.0674
Gm01	1445215	1446175	Gmdrm	hypo	CHH	-0.0169
Gm01	1454394	1455382	Gmdrm	hypo	CHH	-0.0146
Gm01	1473803	1474788	Gmdrm	hypo	CHH	-0.0283
Gm01	1495061	1496006	Gmdrm	hypo	CHH	-0.1036
Gm01	1497079	1498072	Gmdrm	hypo	CHH	-0.0212
Gm01	1498098	1499082	Gmdrm	hypo	CHH	-0.0992
Gm01	1510482	1510972	Gmdrm	hypo	CHH	-0.0366
Gm01	1512778	1512909	Gmdrm	hypo	CHH	-0.0717
Gm01	1522541	1523540	Gmdrm	hypo	CHH	-0.2645
Gm01	1542543	1543534	Gmdrm	hypo	CHH	-0.0885
Gm01	1543559	1544558	Gmdrm	hypo	CHH	-0.0177
Gm01	1544565	1545556	Gmdrm	hypo	CHH	-0.0917
Gm01	1546548	1547544	Gmdrm	hypo	CHH	-0.0567
Gm01	1547553	1548545	Gmdrm	hypo	CHH	-0.0322
Gm01	1559391	1559928	Gmdrm	hypo	CHH	-0.0943
Gm01	1560036	1561031	Gmdrm	hypo	CHH	-0.0268
Gm01	1561050	1562023	Gmdrm	hypo	CHH	-0.0339
Gm01	1581330	1581487	Gmdrm	hypo	CHH	-0.0392
Gm01	1590302	1591258	Gmdrm	hypo	CHH	-0.0198
Gm01	1591306	1592297	Gmdrm	hypo	CHH	-0.0671
Gm01	1598285	1599281	Gmdrm	hypo	CHH	-0.0295
Gm01	1607668	1608649	Gmdrm	hypo	CHH	-0.2283
Gm01	1609690	1610685	Gmdrm	hypo	CHH	-0.0234
Gm01	1626563	1627561	Gmdrm	hypo	CHH	-0.1127
Gm01	1627565	1628548	Gmdrm	hypo	CHH	-0.069
Gm01	1631808	1632804	Gmdrm	hypo	CHH	-0.0143
Gm01	1632821	1633821	Gmdrm	hypo	CHH	-0.037
Gm01	1635879	1636370	Gmdrm	hypo	CHH	-0.0361
Gm01	1638593	1638906	Gmdrm	hypo	CHH	-0.0287
Gm01	1647130	1648108	Gmdrm	hypo	CHH	-0.0098
Gm01	1678909	1679899	Gmdrm	hypo	CHH	-0.0868
Gm01	1685511	1686504	Gmdrm	hypo	CHH	-0.026
Gm01	1698566	1699561	Gmdrm	hypo	CHH	-0.0986
Gm01	1700574	1701434	Gmdrm	hypo	CHH	-0.0531
Gm01	1702662	1703635	Gmdrm	hypo	CHH	-0.0223
Gm01	1709379	1710376	Gmdrm	hypo	CHH	-0.0715
Gm01	1710387	1711377	Gmdrm	hypo	CHH	-0.0918
Gm01	1711390	1712390	Gmdrm	hypo	CHH	-0.0999
Gm01	1719531	1719980	Gmdrm	hypo	CHH	-0.0361
Gm01	1722307	1722563	Gmdrm	hypo	CHH	-0.0343
Gm01	1727301	1728285	Gmdrm	hypo	CHH	-0.0142

Gm01	1736717	1737081	Gmdrm	hypo	CHH	-0.04
Gm01	1749176	1750157	Gmdrm	hypo	CHH	-0.0447
Gm01	1750181	1751177	Gmdrm	hypo	CHH	-0.0178
Gm01	1751189	1752188	Gmdrm	hypo	CHH	-0.0205
Gm01	1756498	1757494	Gmdrm	hypo	CHH	-0.0132
Gm01	1766104	1767097	Gmdrm	hypo	CHH	-0.0202
Gm01	1788969	1789198	Gmdrm	hypo	CHH	-0.0418
Gm01	1790787	1791771	Gmdrm	hypo	CHH	-0.017
Gm01	1791794	1792327	Gmdrm	hypo	CHH	-0.0155
Gm01	1794874	1795872	Gmdrm	hypo	CHH	-0.0516
Gm01	1795876	1796872	Gmdrm	hypo	CHH	-0.1246
Gm01	1796879	1797852	Gmdrm	hypo	CHH	-0.0776
Gm01	1799063	1800060	Gmdrm	hypo	CHH	-0.0884
Gm01	1800065	1800343	Gmdrm	hypo	CHH	-0.0418
Gm01	1817187	1818184	Gmdrm	hypo	CHH	-0.0294
Gm01	1820287	1821185	Gmdrm	hypo	CHH	-0.326
Gm01	1838912	1839890	Gmdrm	hypo	CHH	-0.0374
Gm01	1839922	1840922	Gmdrm	hypo	CHH	-0.0378
Gm01	1840931	1841921	Gmdrm	hypo	CHH	-0.0201
Gm01	1854074	1855022	Gmdrm	hypo	CHH	-0.0146
Gm01	1863932	1864932	Gmdrm	hypo	CHH	-0.0204
Gm01	1866961	1867956	Gmdrm	hypo	CHH	-0.016
Gm01	1874335	1875310	Gmdrm	hypo	CHH	-0.0463
Gm01	1875370	1876304	Gmdrm	hypo	CHH	-0.108
Gm01	1877447	1878444	Gmdrm	hypo	CHH	-0.02
Gm01	1892828	1892935	Gmdrm	hypo	CHH	-0.138
Gm01	1893336	1893623	Gmdrm	hypo	CHH	-0.0437
Gm01	1901073	1902068	Gmdrm	hypo	CHH	-0.0336
Gm01	1904521	1905493	Gmdrm	hypo	CHH	-0.0598
Gm01	1905524	1906496	Gmdrm	hypo	CHH	-0.0909
Gm01	1913766	1914759	Gmdrm	hypo	CHH	-0.04
Gm01	1927224	1928214	Gmdrm	hypo	CHH	-0.0192
Gm01	1936685	1937684	Gmdrm	hypo	CHH	-0.1464
Gm01	1937689	1938564	Gmdrm	hypo	CHH	-0.0698
Gm01	1939872	1940857	Gmdrm	hypo	CHH	-0.0198
Gm01	1947378	1948371	Gmdrm	hypo	CHH	-0.0178
Gm01	1972109	1973103	Gmdrm	hypo	CHH	-0.0225
Gm01	1975613	1976129	Gmdrm	hypo	CHH	-0.0393
Gm01	1977116	1978103	Gmdrm	hypo	CHH	-0.0991
Gm01	1979388	1980378	Gmdrm	hypo	CHH	-0.0275
Gm01	1989089	1990084	Gmdrm	hypo	CHH	-0.0373
Gm01	1992124	1993121	Gmdrm	hypo	CHH	-0.0767
Gm01	1994389	1995306	Gmdrm	hypo	CHH	-0.0777
Gm01	2006886	2007877	Gmdrm	hypo	CHH	-0.0221
Gm01	2009177	2010022	Gmdrm	hypo	CHH	-0.036
Gm01	2023310	2024299	Gmdrm	hypo	CHH	-0.0173

Gm01	2036540	2037535 Gmdrm	hypo	CHH	-0.0508
Gm01	2037558	2038553 Gmdrm	hypo	CHH	-0.2615
Gm01	2038563	2038733 Gmdrm	hypo	CHH	-0.055
Gm01	2038905	2039900 Gmdrm	hypo	CHH	-0.0125
Gm01	2044356	2045330 Gmdrm	hypo	CHH	-0.0723
Gm01	2051216	2052184 Gmdrm	hypo	CHH	-0.0134
Gm01	2063445	2064444 Gmdrm	hypo	CHH	-0.0255
Gm01	2070947	2071868 Gmdrm	hypo	CHH	-0.0593
Gm01	2089002	2090002 Gmdrm	hypo	CHH	-0.051
Gm01	2091030	2092026 Gmdrm	hypo	CHH	-0.0224
Gm01	2092038	2092503 Gmdrm	hypo	CHH	-0.0373
Gm01	2102448	2103447 Gmdrm	hypo	CHH	-0.4033
Gm01	2110530	2111520 Gmdrm	hypo	CHH	-0.0828
Gm01	2122986	2123981 Gmdrm	hypo	CHH	-0.0608
Gm01	2123988	2124303 Gmdrm	hypo	CHH	-0.0777
Gm01	2125403	2126402 Gmdrm	hypo	CHH	-0.0335
Gm01	2126418	2127196 Gmdrm	hypo	CHH	-0.1016
Gm01	2131697	2132685 Gmdrm	hypo	CHH	-0.0176
Gm01	2132717	2133155 Gmdrm	hypo	CHH	-0.0323
Gm01	2161354	2161496 Gmdrm	hypo	CHH	-0.0589
Gm01	2164110	2165107 Gmdrm	hypo	CHH	-0.0155
Gm01	2181419	2182178 Gmdrm	hypo	CHH	-0.0219
Gm01	2185010	2185827 Gmdrm	hypo	CHH	-0.022
Gm01	2186699	2187641 Gmdrm	hypo	CHH	-0.089
Gm01	2187701	2188605 Gmdrm	hypo	CHH	-0.0222
Gm01	2196210	2197208 Gmdrm	hypo	CHH	-0.0288
Gm01	2198222	2199220 Gmdrm	hypo	CHH	-0.0546
Gm01	2206536	2207536 Gmdrm	hypo	CHH	-0.0184
Gm01	2207537	2208257 Gmdrm	hypo	CHH	-0.1728
Gm01	2210699	2211658 Gmdrm	hypo	CHH	-0.1199
Gm01	2215299	2216299 Gmdrm	hypo	CHH	-0.057
Gm01	2216302	2217299 Gmdrm	hypo	CHH	-0.0721
Gm01	2219765	2220762 Gmdrm	hypo	CHH	-0.128
Gm01	2220766	2221762 Gmdrm	hypo	CHH	-0.1346
Gm01	2235918	2236902 Gmdrm	hypo	CHH	-0.0524
Gm01	2237763	2238743 Gmdrm	hypo	CHH	-0.0798
Gm01	2238765	2239761 Gmdrm	hypo	CHH	-0.0883
Gm01	2253010	2254008 Gmdrm	hypo	CHH	-0.0362
Gm01	2254021	2255019 Gmdrm	hypo	CHH	-0.0243
Gm01	2260500	2261498 Gmdrm	hypo	CHH	-0.0913
Gm01	2261533	2262493 Gmdrm	hypo	CHH	-0.0119
Gm01	2263007	2263507 Gmdrm	hypo	CHH	-0.0667
Gm01	2263625	2264073 Gmdrm	hypo	CHH	-0.1035
Gm01	2265253	2266180 Gmdrm	hypo	CHH	-0.0157
Gm01	2275635	2276063 Gmdrm	hypo	CHH	-0.0976
Gm01	2296101	2297060 Gmdrm	hypo	CHH	-0.0623

Gm01	2301653	2302095	Gmdrm	hypo	CHH	-0.0379
Gm01	2302312	2302744	Gmdrm	hypo	CHH	-0.0179
Gm01	2304875	2305873	Gmdrm	hypo	CHH	-0.0542
Gm01	2320383	2321376	Gmdrm	hypo	CHH	-0.0509
Gm01	2321391	2322383	Gmdrm	hypo	CHH	-0.263
Gm01	2329559	2330544	Gmdrm	hypo	CHH	-0.0634
Gm01	2347715	2348478	Gmdrm	hypo	CHH	-0.021
Gm01	2357895	2358891	Gmdrm	hypo	CHH	-0.0153
Gm01	2362228	2363226	Gmdrm	hypo	CHH	-0.013
Gm01	2364107	2365107	Gmdrm	hypo	CHH	-0.0686
Gm01	2365120	2366102	Gmdrm	hypo	CHH	-0.0816
Gm01	2368152	2369135	Gmdrm	hypo	CHH	-0.1369
Gm01	2371284	2371997	Gmdrm	hypo	CHH	-0.0488
Gm01	2373158	2374156	Gmdrm	hypo	CHH	-0.0182
Gm01	2383475	2384447	Gmdrm	hypo	CHH	-0.0385
Gm01	2389221	2389520	Gmdrm	hypo	CHH	-0.0589
Gm01	2390555	2391547	Gmdrm	hypo	CHH	-0.0473
Gm01	2401836	2402826	Gmdrm	hypo	CHH	-0.0497
Gm01	2404930	2405882	Gmdrm	hypo	CHH	-0.0423
Gm01	2405947	2406921	Gmdrm	hypo	CHH	-0.0167
Gm01	2411483	2412470	Gmdrm	hypo	CHH	-0.0186
Gm01	2423953	2424947	Gmdrm	hypo	CHH	-0.0557
Gm01	2424961	2425959	Gmdrm	hypo	CHH	-0.0433
Gm01	2433019	2434015	Gmdrm	hypo	CHH	-0.021
Gm01	2434085	2435082	Gmdrm	hypo	CHH	-0.11
Gm01	2448099	2449085	Gmdrm	hypo	CHH	-0.0275
Gm01	2452119	2453119	Gmdrm	hypo	CHH	-0.0916
Gm01	2453126	2454119	Gmdrm	hypo	CHH	-0.0432
Gm01	2456144	2457140	Gmdrm	hypo	CHH	-0.0599
Gm01	2457159	2458147	Gmdrm	hypo	CHH	-0.0188
Gm01	2467592	2468557	Gmdrm	hypo	CHH	-0.0143
Gm01	2473807	2474745	Gmdrm	hypo	CHH	-0.0326
Gm01	2476842	2477835	Gmdrm	hypo	CHH	-0.0218
Gm01	2477860	2478835	Gmdrm	hypo	CHH	-0.022
Gm01	2478884	2479859	Gmdrm	hypo	CHH	-0.0227
Gm01	2481742	2482733	Gmdrm	hypo	CHH	-0.0454
Gm01	2484902	2485902	Gmdrm	hypo	CHH	-0.0492
Gm01	2491376	2492376	Gmdrm	hypo	CHH	-0.0699
Gm01	2492378	2493303	Gmdrm	hypo	CHH	-0.0231
Gm01	2493850	2494842	Gmdrm	hypo	CHH	-0.2045
Gm01	2495876	2496874	Gmdrm	hypo	CHH	-0.2405
Gm01	2500915	2501914	Gmdrm	hypo	CHH	-0.0786
Gm01	2501918	2502914	Gmdrm	hypo	CHH	-0.0815
Gm01	2502927	2503926	Gmdrm	hypo	CHH	-0.03
Gm01	2503931	2504737	Gmdrm	hypo	CHH	-0.0332
Gm01	2508811	2509806	Gmdrm	hypo	CHH	-0.0289

Gm01	2509846	2510822	Gmdrm	hypo	CHH	-0.0645
Gm01	2519124	2520118	Gmdrm	hypo	CHH	-0.0728
Gm01	2520682	2521197	Gmdrm	hypo	CHH	-0.112
Gm01	2521329	2522063	Gmdrm	hypo	CHH	-0.0787
Gm01	2524485	2525143	Gmdrm	hypo	CHH	-0.0329
Gm01	2525356	2526355	Gmdrm	hypo	CHH	-0.0276
Gm01	2531018	2531995	Gmdrm	hypo	CHH	-0.0479
Gm01	2532022	2532959	Gmdrm	hypo	CHH	-0.0477
Gm01	2534043	2535043	Gmdrm	hypo	CHH	-0.0359
Gm01	2535057	2536013	Gmdrm	hypo	CHH	-0.0449
Gm01	2536067	2537063	Gmdrm	hypo	CHH	-0.0161
Gm01	2541285	2541541	Gmdrm	hypo	CHH	-0.0433
Gm01	2564496	2565495	Gmdrm	hypo	CHH	-0.2146
Gm01	2565499	2566452	Gmdrm	hypo	CHH	-0.3371
Gm01	2575021	2575377	Gmdrm	hypo	CHH	-0.0379
Gm01	2578598	2579210	Gmdrm	hypo	CHH	-0.0176
Gm01	2583818	2584497	Gmdrm	hypo	CHH	-0.0149
Gm01	2603917	2604181	Gmdrm	hypo	CHH	-0.0937
Gm01	2604328	2605324	Gmdrm	hypo	CHH	-0.0837
Gm01	2605337	2606331	Gmdrm	hypo	CHH	-0.1772
Gm01	2606343	2607319	Gmdrm	hypo	CHH	-0.0602
Gm01	2612418	2613415	Gmdrm	hypo	CHH	-0.0244
Gm01	2621128	2622127	Gmdrm	hypo	CHH	-0.0467
Gm01	2622130	2623130	Gmdrm	hypo	CHH	-0.1652
Gm01	2623915	2624905	Gmdrm	hypo	CHH	-0.0285
Gm01	2624920	2625914	Gmdrm	hypo	CHH	-0.0975
Gm01	2625923	2626916	Gmdrm	hypo	CHH	-0.012
Gm01	2631888	2632887	Gmdrm	hypo	CHH	-0.0164
Gm01	2641993	2642520	Gmdrm	hypo	CHH	-0.0637
Gm01	2644611	2645563	Gmdrm	hypo	CHH	-0.0692
Gm01	2645617	2646616	Gmdrm	hypo	CHH	-0.0286
Gm01	2646620	2647606	Gmdrm	hypo	CHH	-0.302
Gm01	2647664	2648610	Gmdrm	hypo	CHH	-0.0156
Gm01	2649706	2650691	Gmdrm	hypo	CHH	-0.0315
Gm01	2650746	2651723	Gmdrm	hypo	CHH	-0.0275
Gm01	2652023	2653005	Gmdrm	hypo	CHH	-0.0118
Gm01	2653030	2654009	Gmdrm	hypo	CHH	-0.0156
Gm01	2658169	2659156	Gmdrm	hypo	CHH	-0.0125
Gm01	2667273	2668243	Gmdrm	hypo	CHH	-0.031
Gm01	2669296	2670294	Gmdrm	hypo	CHH	-0.0787
Gm01	2670317	2671289	Gmdrm	hypo	CHH	-0.1141
Gm01	2673217	2674216	Gmdrm	hypo	CHH	-0.0485
Gm01	2674222	2675219	Gmdrm	hypo	CHH	-0.0419
Gm01	2675229	2676221	Gmdrm	hypo	CHH	-0.0187
Gm01	2680209	2681177	Gmdrm	hypo	CHH	-0.0134
Gm01	2681231	2681429	Gmdrm	hypo	CHH	-0.3885

Gm01	2681674	2682113	Gmdrm	hypo	CHH	-0.0304
Gm01	2688391	2689387	Gmdrm	hypo	CHH	-0.1151
Gm01	2689398	2690388	Gmdrm	hypo	CHH	-0.066
Gm01	2696360	2697358	Gmdrm	hypo	CHH	-0.0154
Gm01	2706448	2707446	Gmdrm	hypo	CHH	-0.0465
Gm01	2707456	2708415	Gmdrm	hypo	CHH	-0.3929
Gm01	2709499	2710487	Gmdrm	hypo	CHH	-0.0125
Gm01	2710519	2711505	Gmdrm	hypo	CHH	-0.0232
Gm01	2711520	2712504	Gmdrm	hypo	CHH	-0.0184
Gm01	2719318	2720120	Gmdrm	hypo	CHH	-0.1414
Gm01	2724122	2725112	Gmdrm	hypo	CHH	-0.0311
Gm01	2725137	2725795	Gmdrm	hypo	CHH	-0.0218
Gm01	2725906	2726888	Gmdrm	hypo	CHH	-0.0973
Gm01	2726907	2727890	Gmdrm	hypo	CHH	-0.0689
Gm01	2734411	2734694	Gmdrm	hypo	CHH	-0.1154
Gm01	2737821	2738789	Gmdrm	hypo	CHH	-0.0219
Gm01	2741372	2742341	Gmdrm	hypo	CHH	-0.024
Gm01	2742379	2743105	Gmdrm	hypo	CHH	-0.0471
Gm01	2748403	2749368	Gmdrm	hypo	CHH	-0.0241
Gm01	2753306	2753807	Gmdrm	hypo	CHH	-0.2281
Gm01	2755741	2756737	Gmdrm	hypo	CHH	-0.0501
Gm01	2756744	2757740	Gmdrm	hypo	CHH	-0.1952
Gm01	2762852	2763845	Gmdrm	hypo	CHH	-0.0224
Gm01	2770875	2771867	Gmdrm	hypo	CHH	-0.0919
Gm01	2783592	2784529	Gmdrm	hypo	CHH	-0.0118
Gm01	2787026	2787893	Gmdrm	hypo	CHH	-0.0133
Gm01	2815709	2816219	Gmdrm	hypo	CHH	-0.039
Gm01	2843254	2844245	Gmdrm	hypo	CHH	-0.037
Gm01	2844263	2845254	Gmdrm	hypo	CHH	-0.0847
Gm01	2853862	2854857	Gmdrm	hypo	CHH	-0.0148
Gm01	2856733	2856981	Gmdrm	hypo	CHH	-0.0343
Gm01	2861026	2862020	Gmdrm	hypo	CHH	-0.0177
Gm01	2865465	2866451	Gmdrm	hypo	CHH	-0.0188
Gm01	2867749	2868720	Gmdrm	hypo	CHH	-0.0338
Gm01	2872403	2872446	Gmdrm	hypo	CHH	-0.04
Gm01	2876454	2877419	Gmdrm	hypo	CHH	-0.2321
Gm01	2893479	2894473	Gmdrm	hypo	CHH	-0.022
Gm01	2911736	2912710	Gmdrm	hypo	CHH	-0.0364
Gm01	2920931	2921917	Gmdrm	hypo	CHH	-0.0305
Gm01	2929908	2930880	Gmdrm	hypo	CHH	-0.0821
Gm01	2937559	2938540	Gmdrm	hypo	CHH	-0.0383
Gm01	2942082	2943082	Gmdrm	hypo	CHH	-0.143
Gm01	2946105	2947104	Gmdrm	hypo	CHH	-0.0325
Gm01	2947144	2948144	Gmdrm	hypo	CHH	-0.0354
Gm01	2949152	2950148	Gmdrm	hypo	CHH	-0.0816
Gm01	2951193	2952192	Gmdrm	hypo	CHH	-0.0387

Gm01	2952196	2953193	Gmdrm	hypo	CHH	-0.0148
Gm01	2960979	2961969	Gmdrm	hypo	CHH	-0.0169
Gm01	2988514	2989513	Gmdrm	hypo	CHH	-0.0373
Gm01	2992501	2992660	Gmdrm	hypo	CHH	-0.058
Gm01	2996748	2997706	Gmdrm	hypo	CHH	-0.0886
Gm01	2999824	3000822	Gmdrm	hypo	CHH	-0.0865
Gm01	3011558	3012556	Gmdrm	hypo	CHH	-0.0625
Gm01	3013947	3014920	Gmdrm	hypo	CHH	-0.0343
Gm01	3017835	3018834	Gmdrm	hypo	CHH	-0.0199
Gm01	3023618	3024618	Gmdrm	hypo	CHH	-0.1669
Gm01	3024625	3025603	Gmdrm	hypo	CHH	-0.2726
Gm01	3025719	3026682	Gmdrm	hypo	CHH	-0.0211
Gm01	3034312	3035294	Gmdrm	hypo	CHH	-0.0288
Gm01	3039209	3040013	Gmdrm	hypo	CHH	-0.024
Gm01	3041579	3042579	Gmdrm	hypo	CHH	-0.09
Gm01	3053966	3054965	Gmdrm	hypo	CHH	-0.0497
Gm01	3057988	3058978	Gmdrm	hypo	CHH	-0.0675
Gm01	3061018	3062011	Gmdrm	hypo	CHH	-0.0961
Gm01	3062028	3063022	Gmdrm	hypo	CHH	-0.0337
Gm01	3081214	3082191	Gmdrm	hypo	CHH	-0.0464
Gm01	3085844	3086835	Gmdrm	hypo	CHH	-0.0138
Gm01	3104059	3105045	Gmdrm	hypo	CHH	-0.3734
Gm01	3107916	3108915	Gmdrm	hypo	CHH	-0.0105
Gm01	3110773	3111772	Gmdrm	hypo	CHH	-0.3025
Gm01	3111813	3112779	Gmdrm	hypo	CHH	-0.018
Gm01	3112818	3113817	Gmdrm	hypo	CHH	-0.1745
Gm01	3113824	3114820	Gmdrm	hypo	CHH	-0.1147
Gm01	3115829	3116827	Gmdrm	hypo	CHH	-0.023
Gm01	3116836	3117762	Gmdrm	hypo	CHH	-0.0307
Gm01	3117847	3118847	Gmdrm	hypo	CHH	-0.0306
Gm01	3127511	3128500	Gmdrm	hypo	CHH	-0.0681
Gm01	3130538	3131511	Gmdrm	hypo	CHH	-0.0506
Gm01	3150044	3151025	Gmdrm	hypo	CHH	-0.0339
Gm01	3153138	3153929	Gmdrm	hypo	CHH	-0.0227
Gm01	3157319	3158314	Gmdrm	hypo	CHH	-0.0212
Gm01	3163951	3164928	Gmdrm	hypo	CHH	-0.0152
Gm01	3168021	3168522	Gmdrm	hypo	CHH	-0.0214
Gm01	3169638	3170613	Gmdrm	hypo	CHH	-0.1712
Gm01	3173602	3174540	Gmdrm	hypo	CHH	-0.0238
Gm01	3175200	3176200	Gmdrm	hypo	CHH	-0.118
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Gm01	3193715	3194714	Gmdrm	hypo	CHH	-0.0197
Gm01	3203597	3204597	Gmdrm	hypo	CHH	-0.0099
Gm01	3204611	3205563	Gmdrm	hypo	CHH	-0.2018
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Gm01	3212088	3213071 Gmdrm	hypo	CHH	-0.0152
Gm01	3225143	3225666 Gmdrm	hypo	CHH	-0.0396
Gm01	3232470	3233469 Gmdrm	hypo	CHH	-0.0203
Gm01	3233481	3234478 Gmdrm	hypo	CHH	-0.1179
Gm01	3234490	3235462 Gmdrm	hypo	CHH	-0.0518
Gm01	3235513	3236511 Gmdrm	hypo	CHH	-0.032
Gm01	3249182	3250180 Gmdrm	hypo	CHH	-0.0353
Gm01	3250189	3251174 Gmdrm	hypo	CHH	-0.0601
Gm01	3256407	3257375 Gmdrm	hypo	CHH	-0.0611
Gm01	3258447	3259435 Gmdrm	hypo	CHH	-0.0904
Gm01	3259450	3260441 Gmdrm	hypo	CHH	-0.0593
Gm01	3263697	3264160 Gmdrm	hypo	CHH	-0.0253
Gm01	3264282	3265278 Gmdrm	hypo	CHH	-0.0298
Gm01	3265292	3266289 Gmdrm	hypo	CHH	-0.0481
Gm01	3273593	3274575 Gmdrm	hypo	CHH	-0.0121
Gm01	3277461	3278459 Gmdrm	hypo	CHH	-0.0238
Gm01	3278466	3279155 Gmdrm	hypo	CHH	-0.15
Gm01	3280270	3281246 Gmdrm	hypo	CHH	-0.0465
Gm01	3288525	3289525 Gmdrm	hypo	CHH	-0.1394
Gm01	3293055	3293889 Gmdrm	hypo	CHH	-0.02
Gm01	3302936	3303935 Gmdrm	hypo	CHH	-0.0313
Gm01	3303943	3304937 Gmdrm	hypo	CHH	-0.0423
Gm01	3306510	3307496 Gmdrm	hypo	CHH	-0.0133
Gm01	3309667	3310647 Gmdrm	hypo	CHH	-0.1417
Gm01	3312713	3312949 Gmdrm	hypo	CHH	-0.0467
Gm01	3313068	3314064 Gmdrm	hypo	CHH	-0.187
Gm01	3321997	3322367 Gmdrm	hypo	CHH	-0.0363
Gm01	3326516	3327499 Gmdrm	hypo	CHH	-0.154
Gm01	3333334	3333635 Gmdrm	hypo	CHH	-0.0525
Gm01	3339241	3340232 Gmdrm	hypo	CHH	-0.1045
Gm01	3340257	3341256 Gmdrm	hypo	CHH	-0.0957
Gm01	3341266	3342263 Gmdrm	hypo	CHH	-0.0189
Gm01	3343836	3344825 Gmdrm	hypo	CHH	-0.0134
Gm01	3349207	3350207 Gmdrm	hypo	CHH	-0.1359
Gm01	3355399	3356397 Gmdrm	hypo	CHH	-0.0327
Gm01	3356405	3357404 Gmdrm	hypo	CHH	-0.053
Gm01	3368628	3369610 Gmdrm	hypo	CHH	-0.0163
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Gm01	3377804	3378804 Gmdrm	hypo	CHH	-0.0247
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Gm01	3399006	3400004 Gmdrm	hypo	CHH	-0.0437
Gm01	3411781	3412778 Gmdrm	hypo	CHH	-0.0125
Gm01	3412789	3413775 Gmdrm	hypo	CHH	-0.1402
Gm01	3441153	3442151 Gmdrm	hypo	CHH	-0.0208

Gm01	3450427	3451112 Gmdrm	hypo	CHH	-0.0144
Gm01	3451245	3452242 Gmdrm	hypo	CHH	-0.0531
Gm01	3452246	3453208 Gmdrm	hypo	CHH	-0.0398
Gm01	3462721	3463693 Gmdrm	hypo	CHH	-0.0166
Gm01	3483874	3484859 Gmdrm	hypo	CHH	-0.1503
Gm01	3494223	3494722 Gmdrm	hypo	CHH	-0.0923
Gm01	3503119	3504112 Gmdrm	hypo	CHH	-0.0197
Gm01	3507487	3508478 Gmdrm	hypo	CHH	-0.0524
Gm01	3508489	3509486 Gmdrm	hypo	CHH	-0.0481
Gm01	3509490	3510466 Gmdrm	hypo	CHH	-0.071
Gm01	3510491	3511491 Gmdrm	hypo	CHH	-0.0493
Gm01	3511500	3512499 Gmdrm	hypo	CHH	-0.0707
Gm01	3512503	3513501 Gmdrm	hypo	CHH	-0.0519
Gm01	3521460	3522460 Gmdrm	hypo	CHH	-0.2735
Gm01	3522462	3523423 Gmdrm	hypo	CHH	-0.1921
Gm01	3523680	3524648 Gmdrm	hypo	CHH	-0.0464
Gm01	3524685	3525671 Gmdrm	hypo	CHH	-0.059
Gm01	3525710	3526701 Gmdrm	hypo	CHH	-0.0274
Gm01	3528064	3529064 Gmdrm	hypo	CHH	-0.0241
Gm01	3529083	3530042 Gmdrm	hypo	CHH	-0.1185
Gm01	3530098	3531098 Gmdrm	hypo	CHH	-0.0516
Gm01	3531110	3531748 Gmdrm	hypo	CHH	-0.1387
Gm01	3533148	3534135 Gmdrm	hypo	CHH	-0.0125
Gm01	3534159	3535143 Gmdrm	hypo	CHH	-0.074
Gm01	3539040	3540030 Gmdrm	hypo	CHH	-0.0524
Gm01	3541099	3542055 Gmdrm	hypo	CHH	-0.3707
Gm01	3545909	3546898 Gmdrm	hypo	CHH	-0.0118
Gm01	3547584	3548584 Gmdrm	hypo	CHH	-0.0234
Gm01	3550085	3551074 Gmdrm	hypo	CHH	-0.1603
Gm01	3567379	3568358 Gmdrm	hypo	CHH	-0.1148
Gm01	3570423	3571414 Gmdrm	hypo	CHH	-0.0858
Gm01	3572581	3573565 Gmdrm	hypo	CHH	-0.1961
Gm01	3576396	3577384 Gmdrm	hypo	CHH	-0.1661
Gm01	3581428	3582318 Gmdrm	hypo	CHH	-0.0751
Gm01	3584771	3585753 Gmdrm	hypo	CHH	-0.0826
Gm01	3591946	3592945 Gmdrm	hypo	CHH	-0.0436
Gm01	3596983	3597898 Gmdrm	hypo	CHH	-0.049
Gm01	3603528	3604526 Gmdrm	hypo	CHH	-0.0688
Gm01	3604530	3605075 Gmdrm	hypo	CHH	-0.1596
Gm01	3605537	3606532 Gmdrm	hypo	CHH	-0.0233
Gm01	3609524	3610494 Gmdrm	hypo	CHH	-0.04
Gm01	3611367	3612364 Gmdrm	hypo	CHH	-0.0257
Gm01	3612377	3613367 Gmdrm	hypo	CHH	-0.0297
Gm01	3619011	3620009 Gmdrm	hypo	CHH	-0.0496
Gm01	3622630	3623623 Gmdrm	hypo	CHH	-0.0444
Gm01	3623633	3624613 Gmdrm	hypo	CHH	-0.0269

Gm01	3640783	3641782	Gmdrm	hypo	CHH	-0.0931
Gm01	3642801	3643797	Gmdrm	hypo	CHH	-0.0344
Gm01	3646643	3647639	Gmdrm	hypo	CHH	-0.0119
Gm01	3651455	3652455	Gmdrm	hypo	CHH	-0.0539
Gm01	3655482	3656477	Gmdrm	hypo	CHH	-0.0515
Gm01	3656486	3656663	Gmdrm	hypo	CHH	-0.1793
Gm01	3656835	3657834	Gmdrm	hypo	CHH	-0.2446
Gm01	3657837	3658835	Gmdrm	hypo	CHH	-0.0417
Gm01	3660777	3661649	Gmdrm	hypo	CHH	-0.0714
Gm01	3661841	3662719	Gmdrm	hypo	CHH	-0.0404
Gm01	3664713	3665698	Gmdrm	hypo	CHH	-0.0866
Gm01	3665723	3666722	Gmdrm	hypo	CHH	-0.0664
Gm01	3687706	3688701	Gmdrm	hypo	CHH	-0.0663
Gm01	3695783	3696778	Gmdrm	hypo	CHH	-0.0802
Gm01	3699291	3700280	Gmdrm	hypo	CHH	-0.0447
Gm01	3700302	3701301	Gmdrm	hypo	CHH	-0.0412
Gm01	3711691	3712686	Gmdrm	hypo	CHH	-0.011
Gm01	3713807	3714799	Gmdrm	hypo	CHH	-0.0169
Gm01	3716824	3717766	Gmdrm	hypo	CHH	-0.0277
Gm01	3719786	3720783	Gmdrm	hypo	CHH	-0.1436
Gm01	3720791	3721790	Gmdrm	hypo	CHH	-0.0256
Gm01	3722832	3723827	Gmdrm	hypo	CHH	-0.0641
Gm01	3724213	3725183	Gmdrm	hypo	CHH	-0.0548
Gm01	3727809	3728800	Gmdrm	hypo	CHH	-0.1831
Gm01	3735926	3736437	Gmdrm	hypo	CHH	-0.0267
Gm01	3744313	3745304	Gmdrm	hypo	CHH	-0.1884
Gm01	3747381	3748381	Gmdrm	hypo	CHH	-0.2194
Gm01	3770352	3770405	Gmdrm	hypo	CHH	-0.0933
Gm01	3773281	3773648	Gmdrm	hypo	CHH	-0.023
Gm01	3777050	3778049	Gmdrm	hypo	CHH	-0.0791
Gm01	3782926	3783767	Gmdrm	hypo	CHH	-0.0229
Gm01	3806324	3807317	Gmdrm	hypo	CHH	-0.0713
Gm01	3807333	3807897	Gmdrm	hypo	CHH	-0.0621
Gm01	3823458	3824458	Gmdrm	hypo	CHH	-0.0139
Gm01	3828738	3829728	Gmdrm	hypo	CHH	-0.0158
Gm01	3829743	3830725	Gmdrm	hypo	CHH	-0.0184
Gm01	3831791	3832781	Gmdrm	hypo	CHH	-0.0583
Gm01	3832792	3833488	Gmdrm	hypo	CHH	-0.1548
Gm01	3847461	3848447	Gmdrm	hypo	CHH	-0.0235
Gm01	3864716	3865716	Gmdrm	hypo	CHH	-0.0166
Gm01	3880961	3881961	Gmdrm	hypo	CHH	-0.02
Gm01	3881962	3882954	Gmdrm	hypo	CHH	-0.03
Gm01	3883972	3884944	Gmdrm	hypo	CHH	-0.0293
Gm01	3891148	3892142	Gmdrm	hypo	CHH	-0.1396
Gm01	3892151	3893142	Gmdrm	hypo	CHH	-0.1106
Gm01	3893691	3894668	Gmdrm	hypo	CHH	-0.0125

Gm01	3895715	3896349	Gmdrm	hypo	CHH	-0.1741
Gm01	3904068	3905067	Gmdrm	hypo	CHH	-0.0604
Gm01	3909734	3910728	Gmdrm	hypo	CHH	-0.0245
Gm01	3912458	3913456	Gmdrm	hypo	CHH	-0.0183
Gm01	3915783	3916249	Gmdrm	hypo	CHH	-0.0747
Gm01	3916626	3917620	Gmdrm	hypo	CHH	-0.0567
Gm01	3917639	3918359	Gmdrm	hypo	CHH	-0.0792
Gm01	3918744	3919742	Gmdrm	hypo	CHH	-0.0254
Gm01	3921627	3922621	Gmdrm	hypo	CHH	-0.0123
Gm01	3925138	3926129	Gmdrm	hypo	CHH	-0.0333
Gm01	3926154	3927146	Gmdrm	hypo	CHH	-0.0349
Gm01	3929188	3930186	Gmdrm	hypo	CHH	-0.0176
Gm01	3938953	3939945	Gmdrm	hypo	CHH	-0.012
Gm01	3939966	3940917	Gmdrm	hypo	CHH	-0.0101
Gm01	3942004	3942991	Gmdrm	hypo	CHH	-0.0446
Gm01	3944523	3945503	Gmdrm	hypo	CHH	-0.0221
Gm01	3945527	3946229	Gmdrm	hypo	CHH	-0.0443
Gm01	3949289	3950275	Gmdrm	hypo	CHH	-0.0327
Gm01	3960304	3961275	Gmdrm	hypo	CHH	-0.2209
Gm01	3972570	3973563	Gmdrm	hypo	CHH	-0.0346
Gm01	3973571	3974571	Gmdrm	hypo	CHH	-0.0866
Gm01	3981695	3982092	Gmdrm	hypo	CHH	-0.0706
Gm01	3982223	3983131	Gmdrm	hypo	CHH	-0.0999
Gm01	3985165	3986157	Gmdrm	hypo	CHH	-0.0881
Gm01	3986166	3987119	Gmdrm	hypo	CHH	-0.0366
Gm01	3987171	3988171	Gmdrm	hypo	CHH	-0.0379
Gm01	3990199	3991164	Gmdrm	hypo	CHH	-0.0654
Gm01	4003648	4004645	Gmdrm	hypo	CHH	-0.0225
Gm01	4015025	4016023	Gmdrm	hypo	CHH	-0.0118
Gm01	4032438	4033435	Gmdrm	hypo	CHH	-0.3114
Gm01	4033456	4034456	Gmdrm	hypo	CHH	-0.0872
Gm01	4052003	4052995	Gmdrm	hypo	CHH	-0.0333
Gm01	4053011	4054005	Gmdrm	hypo	CHH	-0.0492
Gm01	4058032	4059032	Gmdrm	hypo	CHH	-0.0588
Gm01	4059034	4060004	Gmdrm	hypo	CHH	-0.0544
Gm01	4064534	4065533	Gmdrm	hypo	CHH	-0.1668
Gm01	4067573	4068525	Gmdrm	hypo	CHH	-0.2147
Gm01	4070188	4071137	Gmdrm	hypo	CHH	-0.0412
Gm01	4074357	4075350	Gmdrm	hypo	CHH	-0.363
Gm01	4078964	4079954	Gmdrm	hypo	CHH	-0.177
Gm01	4079979	4080967	Gmdrm	hypo	CHH	-0.1143
Gm01	4080984	4081952	Gmdrm	hypo	CHH	-0.0744
Gm01	4090102	4091100	Gmdrm	hypo	CHH	-0.2645
Gm01	4096131	4097130	Gmdrm	hypo	CHH	-0.0799
Gm01	4097135	4098125	Gmdrm	hypo	CHH	-0.0277
Gm01	4116223	4117218	Gmdrm	hypo	CHH	-0.0562

Gm01	4117972	4118971 Gmdrm	hypo	CHH	-0.2407
Gm01	4118975	4119973 Gmdrm	hypo	CHH	-0.4428
Gm01	4119984	4120955 Gmdrm	hypo	CHH	-0.0225
Gm01	4121001	4121809 Gmdrm	hypo	CHH	-0.1779
Gm01	4149167	4149322 Gmdrm	hypo	CHH	-0.0878
Gm01	4167430	4168429 Gmdrm	hypo	CHH	-0.0641
Gm01	4179989	4180989 Gmdrm	hypo	CHH	-0.0732
Gm01	4180990	4181983 Gmdrm	hypo	CHH	-0.0397
Gm01	4193060	4194059 Gmdrm	hypo	CHH	-0.0158
Gm01	4195142	4196137 Gmdrm	hypo	CHH	-0.1258
Gm01	4196782	4197782 Gmdrm	hypo	CHH	-0.0547
Gm01	4201812	4202812 Gmdrm	hypo	CHH	-0.1892
Gm01	4213214	4214214 Gmdrm	hypo	CHH	-0.0499
Gm01	4236313	4237313 Gmdrm	hypo	CHH	-0.4109
Gm01	4252135	4253133 Gmdrm	hypo	CHH	-0.0162
Gm01	4254147	4255110 Gmdrm	hypo	CHH	-0.0358
Gm01	4258186	4258711 Gmdrm	hypo	CHH	-0.139
Gm01	4258823	4259817 Gmdrm	hypo	CHH	-0.0463
Gm01	4261845	4262594 Gmdrm	hypo	CHH	-0.0547
Gm01	4272178	4273117 Gmdrm	hypo	CHH	-0.1342
Gm01	4280454	4281382 Gmdrm	hypo	CHH	-0.0187
Gm01	4310634	4311589 Gmdrm	hypo	CHH	-0.0236
Gm01	4320055	4321055 Gmdrm	hypo	CHH	-0.0584
Gm01	4330355	4331353 Gmdrm	hypo	CHH	-0.0642
Gm01	4331357	4332343 Gmdrm	hypo	CHH	-0.0662
Gm01	4332822	4333744 Gmdrm	hypo	CHH	-0.0326
Gm01	4336852	4337818 Gmdrm	hypo	CHH	-0.0245
Gm01	4338921	4339901 Gmdrm	hypo	CHH	-0.0443
Gm01	4339922	4340892 Gmdrm	hypo	CHH	-0.042
Gm01	4341994	4342977 Gmdrm	hypo	CHH	-0.182
Gm01	4342995	4343993 Gmdrm	hypo	CHH	-0.0229
Gm01	4343997	4344978 Gmdrm	hypo	CHH	-0.1195
Gm01	4352873	4353008 Gmdrm	hypo	CHH	-0.1475
Gm01	4358618	4359616 Gmdrm	hypo	CHH	-0.1612
Gm01	4378029	4379004 Gmdrm	hypo	CHH	-0.1106
Gm01	4380073	4381071 Gmdrm	hypo	CHH	-0.0888
Gm01	4396682	4397670 Gmdrm	hypo	CHH	-0.019
Gm01	4409485	4410462 Gmdrm	hypo	CHH	-0.0679
Gm01	4423821	4424800 Gmdrm	hypo	CHH	-0.0229
Gm01	4426842	4427839 Gmdrm	hypo	CHH	-0.1523
Gm01	4428867	4429830 Gmdrm	hypo	CHH	-0.0483
Gm01	4439154	4440153 Gmdrm	hypo	CHH	-0.0415
Gm01	4440157	4441150 Gmdrm	hypo	CHH	-0.0327
Gm01	4446923	4447880 Gmdrm	hypo	CHH	-0.0442
Gm01	4455844	4456788 Gmdrm	hypo	CHH	-0.019
Gm01	4456871	4457864 Gmdrm	hypo	CHH	-0.016

Gm01	4470252	4471250 Gmdrm	hypo	CHH	-0.0316
Gm01	4471272	4472265 Gmdrm	hypo	CHH	-0.0637
Gm01	4491558	4492189 Gmdrm	hypo	CHH	-0.0315
Gm01	4511818	4512261 Gmdrm	hypo	CHH	-0.0178
Gm01	4516959	4517945 Gmdrm	hypo	CHH	-0.0976
Gm01	4520028	4521023 Gmdrm	hypo	CHH	-0.1972
Gm01	4523994	4524991 Gmdrm	hypo	CHH	-0.012
Gm01	4525005	4525314 Gmdrm	hypo	CHH	-0.1476
Gm01	4525553	4526536 Gmdrm	hypo	CHH	-0.0866
Gm01	4535388	4536353 Gmdrm	hypo	CHH	-0.2023
Gm01	4536412	4537412 Gmdrm	hypo	CHH	-0.0519
Gm01	4537414	4537747 Gmdrm	hypo	CHH	-0.08
Gm01	4570024	4571024 Gmdrm	hypo	CHH	-0.0381
Gm01	4575751	4576737 Gmdrm	hypo	CHH	-0.0119
Gm01	4578978	4579976 Gmdrm	hypo	CHH	-0.0165
Gm01	4596829	4597233 Gmdrm	hypo	CHH	-0.0189
Gm01	4603567	4604565 Gmdrm	hypo	CHH	-0.0159
Gm01	4609241	4610239 Gmdrm	hypo	CHH	-0.1028
Gm01	4610242	4611242 Gmdrm	hypo	CHH	-0.0577
Gm01	4614272	4615269 Gmdrm	hypo	CHH	-0.2514
Gm01	4615700	4616692 Gmdrm	hypo	CHH	-0.0144
Gm01	4617705	4618702 Gmdrm	hypo	CHH	-0.0157
Gm01	4622767	4623767 Gmdrm	hypo	CHH	-0.0498
Gm01	4630971	4631179 Gmdrm	hypo	CHH	-0.0343
Gm01	4634936	4635035 Gmdrm	hypo	CHH	-0.48
Gm01	4652658	4653650 Gmdrm	hypo	CHH	-0.0333
Gm01	4653662	4654639 Gmdrm	hypo	CHH	-0.0243
Gm01	4655685	4656662 Gmdrm	hypo	CHH	-0.0305
Gm01	4668667	4669658 Gmdrm	hypo	CHH	-0.0582
Gm01	4669677	4670672 Gmdrm	hypo	CHH	-0.0493
Gm01	4674592	4674841 Gmdrm	hypo	CHH	-0.0846
Gm01	4681666	4682664 Gmdrm	hypo	CHH	-0.161
Gm01	4682667	4683661 Gmdrm	hypo	CHH	-0.1484
Gm01	4687795	4688344 Gmdrm	hypo	CHH	-0.1846
Gm01	4689644	4690427 Gmdrm	hypo	CHH	-0.02
Gm01	4714557	4715536 Gmdrm	hypo	CHH	-0.0459
Gm01	4718411	4719392 Gmdrm	hypo	CHH	-0.0218
Gm01	4722436	4723403 Gmdrm	hypo	CHH	-0.1126
Gm01	4730173	4731165 Gmdrm	hypo	CHH	-0.0229
Gm01	4737888	4738884 Gmdrm	hypo	CHH	-0.0139
Gm01	4739635	4740624 Gmdrm	hypo	CHH	-0.0205
Gm01	4740638	4741620 Gmdrm	hypo	CHH	-0.0232
Gm01	4752990	4753990 Gmdrm	hypo	CHH	-0.0427
Gm01	4758011	4758996 Gmdrm	hypo	CHH	-0.0897
Gm01	4759015	4760011 Gmdrm	hypo	CHH	-0.1727
Gm01	4760017	4760600 Gmdrm	hypo	CHH	-0.1209

Gm01	4760910	4761232 Gmdrm	hypo	CHH	-0.06
Gm01	4769925	4770925 Gmdrm	hypo	CHH	-0.0346
Gm01	4774220	4775212 Gmdrm	hypo	CHH	-0.0151
Gm01	4775236	4775972 Gmdrm	hypo	CHH	-0.0567
Gm01	4782690	4783680 Gmdrm	hypo	CHH	-0.0614
Gm01	4795226	4796191 Gmdrm	hypo	CHH	-0.0404
Gm01	4802828	4803771 Gmdrm	hypo	CHH	-0.0369
Gm01	4804889	4805881 Gmdrm	hypo	CHH	-0.0672
Gm01	4806908	4807908 Gmdrm	hypo	CHH	-0.0506
Gm01	4822667	4823664 Gmdrm	hypo	CHH	-0.2224
Gm01	4823670	4824645 Gmdrm	hypo	CHH	-0.0633
Gm01	4829144	4830141 Gmdrm	hypo	CHH	-0.018
Gm01	4830147	4831139 Gmdrm	hypo	CHH	-0.0252
Gm01	4831826	4832824 Gmdrm	hypo	CHH	-0.0251
Gm01	4877384	4878355 Gmdrm	hypo	CHH	-0.0186
Gm01	4895377	4896377 Gmdrm	hypo	CHH	-0.0133
Gm01	4900582	4901560 Gmdrm	hypo	CHH	-0.0286
Gm01	4901587	4902568 Gmdrm	hypo	CHH	-0.0404
Gm01	4908631	4909618 Gmdrm	hypo	CHH	-0.0144
Gm01	4910906	4911906 Gmdrm	hypo	CHH	-0.1063
Gm01	4911910	4912908 Gmdrm	hypo	CHH	-0.1263
Gm01	4921067	4922063 Gmdrm	hypo	CHH	-0.0483
Gm01	4922077	4922614 Gmdrm	hypo	CHH	-0.0641
Gm01	4925782	4926779 Gmdrm	hypo	CHH	-0.0272
Gm01	4927818	4928818 Gmdrm	hypo	CHH	-0.056
Gm01	4936905	4937903 Gmdrm	hypo	CHH	-0.1048
Gm01	4937915	4938577 Gmdrm	hypo	CHH	-0.1171
Gm01	4938692	4939685 Gmdrm	hypo	CHH	-0.0609
Gm01	4939696	4939896 Gmdrm	hypo	CHH	-0.116
Gm01	4947732	4948731 Gmdrm	hypo	CHH	-0.0131
Gm01	4966248	4967247 Gmdrm	hypo	CHH	-0.0403
Gm01	4967258	4968257 Gmdrm	hypo	CHH	-0.0287
Gm01	4968262	4969252 Gmdrm	hypo	CHH	-0.0334
Gm01	4970282	4971267 Gmdrm	hypo	CHH	-0.0301
Gm01	4972295	4973272 Gmdrm	hypo	CHH	-0.0439
Gm01	4976683	4977661 Gmdrm	hypo	CHH	-0.0352
Gm01	4977684	4978676 Gmdrm	hypo	CHH	-0.0159
Gm01	5001893	5002890 Gmdrm	hypo	CHH	-0.0414
Gm01	5002896	5003824 Gmdrm	hypo	CHH	-0.0577
Gm01	5003918	5004909 Gmdrm	hypo	CHH	-0.0637
Gm01	5006937	5007922 Gmdrm	hypo	CHH	-0.0238
Gm01	5009998	5010988 Gmdrm	hypo	CHH	-0.0242
Gm01	5013301	5014300 Gmdrm	hypo	CHH	-0.057
Gm01	5014302	5015296 Gmdrm	hypo	CHH	-0.0672
Gm01	5015304	5016291 Gmdrm	hypo	CHH	-0.0497
Gm01	5016306	5017305 Gmdrm	hypo	CHH	-0.02

Gm01	5017341	5017741 Gmdrm	hypo	CHH	-0.323
Gm01	5017864	5018684 Gmdrm	hypo	CHH	-0.0129
Gm01	5024592	5025592 Gmdrm	hypo	CHH	-0.1866
Gm01	5025598	5026594 Gmdrm	hypo	CHH	-0.0292
Gm01	5035565	5036559 Gmdrm	hypo	CHH	-0.0248
Gm01	5056103	5057091 Gmdrm	hypo	CHH	-0.062
Gm01	5069033	5070026 Gmdrm	hypo	CHH	-0.195
Gm01	5070906	5071903 Gmdrm	hypo	CHH	-0.0166
Gm01	5071914	5072888 Gmdrm	hypo	CHH	-0.061
Gm01	5073958	5074205 Gmdrm	hypo	CHH	-0.0214
Gm01	5075334	5076332 Gmdrm	hypo	CHH	-0.0136
Gm01	5077944	5078447 Gmdrm	hypo	CHH	-0.0586
Gm01	5078964	5079957 Gmdrm	hypo	CHH	-0.0116
Gm01	5082575	5083573 Gmdrm	hypo	CHH	-0.0162
Gm01	5083576	5084575 Gmdrm	hypo	CHH	-0.043
Gm01	5089594	5090589 Gmdrm	hypo	CHH	-0.0433
Gm01	5090595	5091103 Gmdrm	hypo	CHH	-0.0895
Gm01	5095289	5096284 Gmdrm	hypo	CHH	-0.079
Gm01	5103948	5104946 Gmdrm	hypo	CHH	-0.0868
Gm01	5107280	5108279 Gmdrm	hypo	CHH	-0.0425
Gm01	5117389	5118327 Gmdrm	hypo	CHH	-0.0442
Gm01	5147986	5148938 Gmdrm	hypo	CHH	-0.0367
Gm01	5151163	5152126 Gmdrm	hypo	CHH	-0.0708
Gm01	5213693	5214669 Gmdrm	hypo	CHH	-0.0209
Gm01	5220585	5221572 Gmdrm	hypo	CHH	-0.2244
Gm01	5221611	5221880 Gmdrm	hypo	CHH	-0.0772
Gm01	5227334	5228331 Gmdrm	hypo	CHH	-0.0798
Gm01	5228345	5229341 Gmdrm	hypo	CHH	-0.0843
Gm01	5246465	5247405 Gmdrm	hypo	CHH	-0.0639
Gm01	5250564	5251528 Gmdrm	hypo	CHH	-0.1349
Gm01	5251595	5252593 Gmdrm	hypo	CHH	-0.0796
Gm01	5255718	5256685 Gmdrm	hypo	CHH	-0.0197
Gm01	5262380	5263371 Gmdrm	hypo	CHH	-0.3035
Gm01	5263385	5264378 Gmdrm	hypo	CHH	-0.1546
Gm01	5265090	5266072 Gmdrm	hypo	CHH	-0.0317
Gm01	5267133	5268111 Gmdrm	hypo	CHH	-0.0637
Gm01	5273696	5274668 Gmdrm	hypo	CHH	-0.1048
Gm01	5274731	5275722 Gmdrm	hypo	CHH	-0.018
Gm01	5275734	5276734 Gmdrm	hypo	CHH	-0.0377
Gm01	5277678	5278018 Gmdrm	hypo	CHH	-0.0937
Gm01	5278166	5279161 Gmdrm	hypo	CHH	-0.0587
Gm01	5289712	5289939 Gmdrm	hypo	CHH	-0.0316
Gm01	5293351	5294321 Gmdrm	hypo	CHH	-0.2011
Gm01	5296705	5297699 Gmdrm	hypo	CHH	-0.0327
Gm01	5302742	5303736 Gmdrm	hypo	CHH	-0.0279
Gm01	5306863	5307852 Gmdrm	hypo	CHH	-0.1601

Gm01	5307871	5308536 Gmdrm	hypo	CHH	-0.3186
Gm01	5312366	5313339 Gmdrm	hypo	CHH	-0.2215
Gm01	5322853	5323818 Gmdrm	hypo	CHH	-0.053
Gm01	5323880	5324866 Gmdrm	hypo	CHH	-0.0257
Gm01	5324884	5325883 Gmdrm	hypo	CHH	-0.0591
Gm01	5325887	5326871 Gmdrm	hypo	CHH	-0.011
Gm01	5337924	5338920 Gmdrm	hypo	CHH	-0.032
Gm01	5338928	5339921 Gmdrm	hypo	CHH	-0.0691
Gm01	5341946	5342909 Gmdrm	hypo	CHH	-0.0435
Gm01	5347430	5348419 Gmdrm	hypo	CHH	-0.0577
Gm01	5350461	5351455 Gmdrm	hypo	CHH	-0.0825
Gm01	5351463	5351970 Gmdrm	hypo	CHH	-0.1263
Gm01	5361763	5362759 Gmdrm	hypo	CHH	-0.0696
Gm01	5365787	5366785 Gmdrm	hypo	CHH	-0.041
Gm01	5366799	5367798 Gmdrm	hypo	CHH	-0.0597
Gm01	5368809	5369802 Gmdrm	hypo	CHH	-0.1225
Gm01	5374893	5375888 Gmdrm	hypo	CHH	-0.0263
Gm01	5378964	5379961 Gmdrm	hypo	CHH	-0.0163
Gm01	5382378	5382616 Gmdrm	hypo	CHH	-0.045
Gm01	5414377	5415365 Gmdrm	hypo	CHH	-0.0596
Gm01	5438555	5439547 Gmdrm	hypo	CHH	-0.0179
Gm01	5443191	5444184 Gmdrm	hypo	CHH	-0.0404
Gm01	5451925	5452911 Gmdrm	hypo	CHH	-0.049
Gm01	5454743	5455728 Gmdrm	hypo	CHH	-0.1245
Gm01	5475732	5476731 Gmdrm	hypo	CHH	-0.016
Gm01	5476738	5477726 Gmdrm	hypo	CHH	-0.0596
Gm01	5487235	5488233 Gmdrm	hypo	CHH	-0.0466
Gm01	5501645	5502645 Gmdrm	hypo	CHH	-0.0554
Gm01	5502648	5503631 Gmdrm	hypo	CHH	-0.1001
Gm01	5503661	5504480 Gmdrm	hypo	CHH	-0.0211
Gm01	5508714	5509700 Gmdrm	hypo	CHH	-0.0418
Gm01	5509735	5510603 Gmdrm	hypo	CHH	-0.0201
Gm01	5513831	5514782 Gmdrm	hypo	CHH	-0.0999
Gm01	5526841	5527829 Gmdrm	hypo	CHH	-0.0515
Gm01	5527852	5528823 Gmdrm	hypo	CHH	-0.215
Gm01	5528859	5529851 Gmdrm	hypo	CHH	-0.0224
Gm01	5529865	5530587 Gmdrm	hypo	CHH	-0.0834
Gm01	5530693	5531234 Gmdrm	hypo	CHH	-0.0746
Gm01	5545524	5546247 Gmdrm	hypo	CHH	-0.0242
Gm01	5559052	5560019 Gmdrm	hypo	CHH	-0.0312
Gm01	5562119	5563112 Gmdrm	hypo	CHH	-0.0701
Gm01	5563123	5564113 Gmdrm	hypo	CHH	-0.092
Gm01	5572249	5572664 Gmdrm	hypo	CHH	-0.2994
Gm01	5576321	5577316 Gmdrm	hypo	CHH	-0.0124
Gm01	5581961	5582494 Gmdrm	hypo	CHH	-0.0267
Gm01	5619149	5620113 Gmdrm	hypo	CHH	-0.0443

Gm01	5620194	5621188 Gmdrm	hypo	CHH	-0.0305
Gm01	5621237	5622216 Gmdrm	hypo	CHH	-0.1119
Gm01	5622244	5623222 Gmdrm	hypo	CHH	-0.0761
Gm01	5646379	5647370 Gmdrm	hypo	CHH	-0.0263
Gm01	5647380	5648216 Gmdrm	hypo	CHH	-0.0455
Gm01	5651186	5652183 Gmdrm	hypo	CHH	-0.023
Gm01	5654431	5655410 Gmdrm	hypo	CHH	-0.0179
Gm01	5660972	5661909 Gmdrm	hypo	CHH	-0.0275
Gm01	5662020	5662986 Gmdrm	hypo	CHH	-0.0681
Gm01	5663712	5664656 Gmdrm	hypo	CHH	-0.0633
Gm01	5664724	5665702 Gmdrm	hypo	CHH	-0.075
Gm01	5666829	5667810 Gmdrm	hypo	CHH	-0.0716
Gm01	5693591	5694586 Gmdrm	hypo	CHH	-0.0163
Gm01	5705371	5706098 Gmdrm	hypo	CHH	-0.0552
Gm01	5756064	5756669 Gmdrm	hypo	CHH	-0.0352
Gm01	5757663	5758654 Gmdrm	hypo	CHH	-0.0631
Gm01	5789273	5790267 Gmdrm	hypo	CHH	-0.0362
Gm01	5800598	5801576 Gmdrm	hypo	CHH	-0.0226
Gm01	5805293	5806292 Gmdrm	hypo	CHH	-0.0353
Gm01	5806296	5807278 Gmdrm	hypo	CHH	-0.0217
Gm01	5807317	5808299 Gmdrm	hypo	CHH	-0.0438
Gm01	5809055	5810052 Gmdrm	hypo	CHH	-0.0186
Gm01	5814303	5815289 Gmdrm	hypo	CHH	-0.0154
Gm01	5819265	5820103 Gmdrm	hypo	CHH	-0.0761
Gm01	5824134	5825088 Gmdrm	hypo	CHH	-0.0292
Gm01	5845119	5846053 Gmdrm	hypo	CHH	-0.1698
Gm01	5853197	5854193 Gmdrm	hypo	CHH	-0.0601
Gm01	5854201	5854741 Gmdrm	hypo	CHH	-0.0338
Gm01	5873832	5874817 Gmdrm	hypo	CHH	-0.0167
Gm01	5878659	5879653 Gmdrm	hypo	CHH	-0.0662
Gm01	5892640	5893640 Gmdrm	hypo	CHH	-0.0136
Gm01	5893644	5894643 Gmdrm	hypo	CHH	-0.0689
Gm01	5894647	5895641 Gmdrm	hypo	CHH	-0.0715
Gm01	5896676	5897669 Gmdrm	hypo	CHH	-0.0459
Gm01	5897678	5898654 Gmdrm	hypo	CHH	-0.0584
Gm01	5899712	5900663 Gmdrm	hypo	CHH	-0.0164
Gm01	5903754	5904753 Gmdrm	hypo	CHH	-0.0107
Gm01	5906804	5907797 Gmdrm	hypo	CHH	-0.0425
Gm01	5907811	5908811 Gmdrm	hypo	CHH	-0.0637
Gm01	5946169	5946462 Gmdrm	hypo	CHH	-0.0254
Gm01	5946586	5947527 Gmdrm	hypo	CHH	-0.0231
Gm01	5947623	5948608 Gmdrm	hypo	CHH	-0.0205
Gm01	5950732	5951728 Gmdrm	hypo	CHH	-0.0237
Gm01	5951745	5951902 Gmdrm	hypo	CHH	-0.1238
Gm01	5952032	5953027 Gmdrm	hypo	CHH	-0.2584
Gm01	5975991	5976983 Gmdrm	hypo	CHH	-0.0373

Gm01	5976994	5977986 Gmdrm	hypo	CHH	-0.0284
Gm01	5979584	5980545 Gmdrm	hypo	CHH	-0.096
Gm01	5982754	5983748 Gmdrm	hypo	CHH	-0.0213
Gm01	5988035	5988774 Gmdrm	hypo	CHH	-0.1052
Gm01	6020325	6021315 Gmdrm	hypo	CHH	-0.0517
Gm01	6022332	6023323 Gmdrm	hypo	CHH	-0.0199
Gm01	6023342	6024339 Gmdrm	hypo	CHH	-0.0356
Gm01	6044640	6045634 Gmdrm	hypo	CHH	-0.0398
Gm01	6045646	6046644 Gmdrm	hypo	CHH	-0.0447
Gm01	6046647	6047644 Gmdrm	hypo	CHH	-0.0229
Gm01	6048688	6049664 Gmdrm	hypo	CHH	-0.0142
Gm01	6052784	6053783 Gmdrm	hypo	CHH	-0.1259
Gm01	6059843	6060835 Gmdrm	hypo	CHH	-0.0458
Gm01	6060849	6061826 Gmdrm	hypo	CHH	-0.0283
Gm01	6063104	6064101 Gmdrm	hypo	CHH	-0.137
Gm01	6064109	6065109 Gmdrm	hypo	CHH	-0.1791
Gm01	6078353	6079348 Gmdrm	hypo	CHH	-0.0317
Gm01	6081999	6082724 Gmdrm	hypo	CHH	-0.0266
Gm01	6084434	6085434 Gmdrm	hypo	CHH	-0.0496
Gm01	6088193	6089183 Gmdrm	hypo	CHH	-0.0494
Gm01	6154737	6155710 Gmdrm	hypo	CHH	-0.0337
Gm01	6239321	6240316 Gmdrm	hypo	CHH	-0.0323
Gm01	6243999	6244576 Gmdrm	hypo	CHH	-0.1956
Gm01	6244693	6245683 Gmdrm	hypo	CHH	-0.0603
Gm01	6247800	6248794 Gmdrm	hypo	CHH	-0.0484
Gm01	6253835	6254831 Gmdrm	hypo	CHH	-0.0344
Gm01	6296823	6297788 Gmdrm	hypo	CHH	-0.0348
Gm01	6300715	6301712 Gmdrm	hypo	CHH	-0.1655
Gm01	6301716	6302675 Gmdrm	hypo	CHH	-0.0518
Gm01	6303738	6304727 Gmdrm	hypo	CHH	-0.015
Gm01	6304778	6305776 Gmdrm	hypo	CHH	-0.0389
Gm01	6305779	6306778 Gmdrm	hypo	CHH	-0.0624
Gm01	6313412	6313882 Gmdrm	hypo	CHH	-0.0679
Gm01	6314210	6314460 Gmdrm	hypo	CHH	-0.1646
Gm01	6350005	6350983 Gmdrm	hypo	CHH	-0.262
Gm01	6353729	6354717 Gmdrm	hypo	CHH	-0.0107
Gm01	6365616	6366605 Gmdrm	hypo	CHH	-0.0168
Gm01	6366644	6367119 Gmdrm	hypo	CHH	-0.1336
Gm01	6420774	6421757 Gmdrm	hypo	CHH	-0.0417
Gm01	6445369	6446368 Gmdrm	hypo	CHH	-0.0632
Gm01	6529841	6530838 Gmdrm	hypo	CHH	-0.0604
Gm01	6559107	6560106 Gmdrm	hypo	CHH	-0.0446
Gm01	6587142	6588141 Gmdrm	hypo	CHH	-0.0493
Gm01	6590079	6591079 Gmdrm	hypo	CHH	-0.0869
Gm01	6591091	6592072 Gmdrm	hypo	CHH	-0.0561
Gm01	6596175	6597165 Gmdrm	hypo	CHH	-0.0267

Gm01	6598417	6599414	Gmdrm	hypo	CHH	-0.072
Gm01	6600838	6601747	Gmdrm	hypo	CHH	-0.1219
Gm01	6602797	6603792	Gmdrm	hypo	CHH	-0.0639
Gm01	6604830	6605823	Gmdrm	hypo	CHH	-0.1124
Gm01	6605831	6606820	Gmdrm	hypo	CHH	-0.0184
Gm01	6633731	6634731	Gmdrm	hypo	CHH	-0.0565
Gm01	6691092	6692045	Gmdrm	hypo	CHH	-0.0312
Gm01	6704961	6705855	Gmdrm	hypo	CHH	-0.0413
Gm01	6712306	6713292	Gmdrm	hypo	CHH	-0.0176
Gm01	6713317	6714317	Gmdrm	hypo	CHH	-0.0507
Gm01	6727608	6728605	Gmdrm	hypo	CHH	-0.0282
Gm01	6728619	6729607	Gmdrm	hypo	CHH	-0.1147
Gm01	6732662	6732741	Gmdrm	hypo	CHH	-0.0283
Gm01	6748834	6749827	Gmdrm	hypo	CHH	-0.071
Gm01	6757872	6758313	Gmdrm	hypo	CHH	-0.0437
Gm01	6771273	6772229	Gmdrm	hypo	CHH	-0.03
Gm01	6786868	6787755	Gmdrm	hypo	CHH	-0.1298
Gm01	6810248	6811225	Gmdrm	hypo	CHH	-0.0246
Gm01	6812566	6813550	Gmdrm	hypo	CHH	-0.0705
Gm01	6814702	6815699	Gmdrm	hypo	CHH	-0.0282
Gm01	6815723	6816293	Gmdrm	hypo	CHH	-0.2049
Gm01	6816400	6817386	Gmdrm	hypo	CHH	-0.1213
Gm01	6818412	6818632	Gmdrm	hypo	CHH	-0.0603
Gm01	6841613	6842295	Gmdrm	hypo	CHH	-0.062
Gm01	6844872	6845491	Gmdrm	hypo	CHH	-0.059
Gm01	6864101	6865069	Gmdrm	hypo	CHH	-0.077
Gm01	6867547	6868538	Gmdrm	hypo	CHH	-0.0716
Gm01	6873164	6873211	Gmdrm	hypo	CHH	-0.0417
Gm01	6904314	6905313	Gmdrm	hypo	CHH	-0.0275
Gm01	6944471	6945432	Gmdrm	hypo	CHH	-0.0708
Gm01	6966370	6967361	Gmdrm	hypo	CHH	-0.0954
Gm01	6967431	6968422	Gmdrm	hypo	CHH	-0.0478
Gm01	6994735	6995735	Gmdrm	hypo	CHH	-0.1544
Gm01	6995737	6996727	Gmdrm	hypo	CHH	-0.1601
Gm01	7008935	7009923	Gmdrm	hypo	CHH	-0.0542
Gm01	7011005	7011430	Gmdrm	hypo	CHH	-0.0275
Gm01	7011804	7012796	Gmdrm	hypo	CHH	-0.1126
Gm01	7012810	7013808	Gmdrm	hypo	CHH	-0.0547
Gm01	7014819	7015814	Gmdrm	hypo	CHH	-0.0265
Gm01	7015820	7016816	Gmdrm	hypo	CHH	-0.0233
Gm01	7016821	7017813	Gmdrm	hypo	CHH	-0.0304
Gm01	7017833	7018830	Gmdrm	hypo	CHH	-0.0394
Gm01	7018840	7019834	Gmdrm	hypo	CHH	-0.0137
Gm01	7024103	7025076	Gmdrm	hypo	CHH	-0.022
Gm01	7025531	7026529	Gmdrm	hypo	CHH	-0.0861
Gm01	7026532	7027121	Gmdrm	hypo	CHH	-0.1279

Gm01	7033406	7034352 Gmdrm	hypo	CHH	-0.0311
Gm01	7034816	7035810 Gmdrm	hypo	CHH	-0.0391
Gm01	7035818	7036778 Gmdrm	hypo	CHH	-0.0222
Gm01	7039016	7039905 Gmdrm	hypo	CHH	-0.0187
Gm01	7043076	7044060 Gmdrm	hypo	CHH	-0.0479
Gm01	7048448	7049335 Gmdrm	hypo	CHH	-0.0223
Gm01	7067572	7068554 Gmdrm	hypo	CHH	-0.0157
Gm01	7068587	7068942 Gmdrm	hypo	CHH	-0.0345
Gm01	7069271	7070271 Gmdrm	hypo	CHH	-0.0297
Gm01	7070276	7071263 Gmdrm	hypo	CHH	-0.1421
Gm01	7072315	7073251 Gmdrm	hypo	CHH	-0.1268
Gm01	7096848	7097799 Gmdrm	hypo	CHH	-0.027
Gm01	7097973	7098473 Gmdrm	hypo	CHH	-0.0259
Gm01	7099810	7100806 Gmdrm	hypo	CHH	-0.0302
Gm01	7128488	7129274 Gmdrm	hypo	CHH	-0.0644
Gm01	7135779	7136776 Gmdrm	hypo	CHH	-0.0395
Gm01	7143872	7144869 Gmdrm	hypo	CHH	-0.0468
Gm01	7144889	7145878 Gmdrm	hypo	CHH	-0.0566
Gm01	7145901	7146899 Gmdrm	hypo	CHH	-0.0778
Gm01	7146921	7147901 Gmdrm	hypo	CHH	-0.027
Gm01	7193019	7193796 Gmdrm	hypo	CHH	-0.0206
Gm01	7193899	7194865 Gmdrm	hypo	CHH	-0.0209
Gm01	7221490	7221632 Gmdrm	hypo	CHH	-0.089
Gm01	7232925	7233924 Gmdrm	hypo	CHH	-0.1631
Gm01	7233928	7234910 Gmdrm	hypo	CHH	-0.1354
Gm01	7235951	7236267 Gmdrm	hypo	CHH	-0.0263
Gm01	7254398	7255041 Gmdrm	hypo	CHH	-0.024
Gm01	7257023	7257971 Gmdrm	hypo	CHH	-0.0232
Gm01	7258028	7259024 Gmdrm	hypo	CHH	-0.0382
Gm01	7263823	7264804 Gmdrm	hypo	CHH	-0.0178
Gm01	7264824	7265819 Gmdrm	hypo	CHH	-0.0186
Gm01	7265843	7266839 Gmdrm	hypo	CHH	-0.0643
Gm01	7268840	7269507 Gmdrm	hypo	CHH	-0.0353
Gm01	7282369	7283367 Gmdrm	hypo	CHH	-0.1252
Gm01	7283383	7284383 Gmdrm	hypo	CHH	-0.057
Gm01	7284386	7285385 Gmdrm	hypo	CHH	-0.016
Gm01	7290429	7291414 Gmdrm	hypo	CHH	-0.0207
Gm01	7292443	7293442 Gmdrm	hypo	CHH	-0.0622
Gm01	7299059	7300054 Gmdrm	hypo	CHH	-0.0235
Gm01	7300062	7301062 Gmdrm	hypo	CHH	-0.0477
Gm01	7305730	7306718 Gmdrm	hypo	CHH	-0.0374
Gm01	7306740	7307734 Gmdrm	hypo	CHH	-0.0375
Gm01	7307748	7308748 Gmdrm	hypo	CHH	-0.0392
Gm01	7308750	7309690 Gmdrm	hypo	CHH	-0.0395
Gm01	7331499	7332493 Gmdrm	hypo	CHH	-0.1057
Gm01	7333139	7334134 Gmdrm	hypo	CHH	-0.0588

Gm01	7334148	7335141 Gmdrm	hypo	CHH	-0.04
Gm01	7336073	7337060 Gmdrm	hypo	CHH	-0.0561
Gm01	7339782	7340781 Gmdrm	hypo	CHH	-0.0759
Gm01	7354476	7355452 Gmdrm	hypo	CHH	-0.1224
Gm01	7361397	7361809 Gmdrm	hypo	CHH	-0.0234
Gm01	7467815	7468805 Gmdrm	hypo	CHH	-0.0271
Gm01	7470137	7471124 Gmdrm	hypo	CHH	-0.0624
Gm01	7472149	7473140 Gmdrm	hypo	CHH	-0.0454
Gm01	7485088	7486049 Gmdrm	hypo	CHH	-0.0462
Gm01	7490845	7491834 Gmdrm	hypo	CHH	-0.0142
Gm01	7499613	7500447 Gmdrm	hypo	CHH	-0.07
Gm01	7500563	7501555 Gmdrm	hypo	CHH	-0.2607
Gm01	7501572	7502498 Gmdrm	hypo	CHH	-0.1461
Gm01	7508971	7509971 Gmdrm	hypo	CHH	-0.0148
Gm01	7524241	7525239 Gmdrm	hypo	CHH	-0.122
Gm01	7552554	7553546 Gmdrm	hypo	CHH	-0.0362
Gm01	7554668	7555665 Gmdrm	hypo	CHH	-0.0441
Gm01	7577442	7578427 Gmdrm	hypo	CHH	-0.0872
Gm01	7578462	7579447 Gmdrm	hypo	CHH	-0.1084
Gm01	7587748	7588728 Gmdrm	hypo	CHH	-0.0514
Gm01	7591417	7592400 Gmdrm	hypo	CHH	-0.0485
Gm01	7593474	7594472 Gmdrm	hypo	CHH	-0.0616
Gm01	7608564	7609563 Gmdrm	hypo	CHH	-0.0492
Gm01	7616679	7617664 Gmdrm	hypo	CHH	-0.0181
Gm01	7622516	7623512 Gmdrm	hypo	CHH	-0.0518
Gm01	7625015	7625152 Gmdrm	hypo	CHH	-0.024
Gm01	7630169	7631158 Gmdrm	hypo	CHH	-0.0157
Gm01	7645991	7646811 Gmdrm	hypo	CHH	-0.2072
Gm01	7647014	7648010 Gmdrm	hypo	CHH	-0.0503
Gm01	7648026	7649024 Gmdrm	hypo	CHH	-0.0205
Gm01	7650909	7651055 Gmdrm	hypo	CHH	-0.0355
Gm01	7652184	7653167 Gmdrm	hypo	CHH	-0.0681
Gm01	7661724	7662722 Gmdrm	hypo	CHH	-0.0903
Gm01	7664749	7665733 Gmdrm	hypo	CHH	-0.0821
Gm01	7665903	7666320 Gmdrm	hypo	CHH	-0.1227
Gm01	7666883	7667878 Gmdrm	hypo	CHH	-0.0935
Gm01	7673600	7674489 Gmdrm	hypo	CHH	-0.0411
Gm01	7675556	7676556 Gmdrm	hypo	CHH	-0.031
Gm01	7676564	7677561 Gmdrm	hypo	CHH	-0.0765
Gm01	7677589	7678326 Gmdrm	hypo	CHH	-0.118
Gm01	7702603	7703599 Gmdrm	hypo	CHH	-0.1182
Gm01	7703611	7704261 Gmdrm	hypo	CHH	-0.0412
Gm01	7712665	7713665 Gmdrm	hypo	CHH	-0.1306
Gm01	7713667	7714141 Gmdrm	hypo	CHH	-0.1511
Gm01	7715498	7716497 Gmdrm	hypo	CHH	-0.0371
Gm01	7734532	7735531 Gmdrm	hypo	CHH	-0.0637

Gm01	7737378	7738365 Gmdrm	hypo	CHH	-0.1255
Gm01	7739820	7740809 Gmdrm	hypo	CHH	-0.0661
Gm01	7753317	7754311 Gmdrm	hypo	CHH	-0.0608
Gm01	7754348	7755322 Gmdrm	hypo	CHH	-0.0334
Gm01	7755355	7755533 Gmdrm	hypo	CHH	-0.0468
Gm01	7755685	7756656 Gmdrm	hypo	CHH	-0.0228
Gm01	7759442	7760441 Gmdrm	hypo	CHH	-0.199
Gm01	7767779	7768755 Gmdrm	hypo	CHH	-0.1009
Gm01	7769826	7770826 Gmdrm	hypo	CHH	-0.0315
Gm01	7774558	7775558 Gmdrm	hypo	CHH	-0.0637
Gm01	7786934	7787893 Gmdrm	hypo	CHH	-0.2693
Gm01	7799621	7800616 Gmdrm	hypo	CHH	-0.0978
Gm01	7803137	7804134 Gmdrm	hypo	CHH	-0.0838
Gm01	7804139	7804608 Gmdrm	hypo	CHH	-0.0823
Gm01	7830039	7831034 Gmdrm	hypo	CHH	-0.0242
Gm01	7860127	7861124 Gmdrm	hypo	CHH	-0.0518
Gm01	7861130	7861340 Gmdrm	hypo	CHH	-0.0773
Gm01	7863596	7864535 Gmdrm	hypo	CHH	-0.0386
Gm01	7864598	7865598 Gmdrm	hypo	CHH	-0.0596
Gm01	7935982	7936939 Gmdrm	hypo	CHH	-0.0264
Gm01	7936994	7937984 Gmdrm	hypo	CHH	-0.0287
Gm01	7976861	7977848 Gmdrm	hypo	CHH	-0.199
Gm01	8032243	8032657 Gmdrm	hypo	CHH	-0.042
Gm01	8036373	8037372 Gmdrm	hypo	CHH	-0.0446
Gm01	8075071	8076070 Gmdrm	hypo	CHH	-0.0548
Gm01	8080425	8081422 Gmdrm	hypo	CHH	-0.0994
Gm01	8081435	8082433 Gmdrm	hypo	CHH	-0.0449
Gm01	8104077	8105064 Gmdrm	hypo	CHH	-0.0444
Gm01	8107323	8108148 Gmdrm	hypo	CHH	-0.0198
Gm01	8125103	8125582 Gmdrm	hypo	CHH	-0.0847
Gm01	8286852	8287840 Gmdrm	hypo	CHH	-0.0536
Gm01	8350578	8351577 Gmdrm	hypo	CHH	-0.065
Gm01	8352090	8352797 Gmdrm	hypo	CHH	-0.0348
Gm01	8373794	8374760 Gmdrm	hypo	CHH	-0.0899
Gm01	8374812	8375760 Gmdrm	hypo	CHH	-0.1248
Gm01	8377955	8378927 Gmdrm	hypo	CHH	-0.0133
Gm01	8379987	8380355 Gmdrm	hypo	CHH	-0.0359
Gm01	8381520	8382518 Gmdrm	hypo	CHH	-0.0573
Gm01	8382526	8383523 Gmdrm	hypo	CHH	-0.0375
Gm01	8384533	8385516 Gmdrm	hypo	CHH	-0.0194
Gm01	8388382	8388765 Gmdrm	hypo	CHH	-0.0307
Gm01	8388956	8389950 Gmdrm	hypo	CHH	-0.0203
Gm01	8411270	8412270 Gmdrm	hypo	CHH	-0.0369
Gm01	8429319	8430039 Gmdrm	hypo	CHH	-0.0223
Gm01	8455888	8456812 Gmdrm	hypo	CHH	-0.1137
Gm01	8470714	8471632 Gmdrm	hypo	CHH	-0.0124

Gm01	8480221	8480430	Gmdrm	hypo	CHH	-0.0529
Gm01	8483626	8483938	Gmdrm	hypo	CHH	-0.0291
Gm01	8486119	8487117	Gmdrm	hypo	CHH	-0.0409
Gm01	8490728	8491719	Gmdrm	hypo	CHH	-0.0336
Gm01	8492401	8492565	Gmdrm	hypo	CHH	-0.096
Gm01	8492705	8493434	Gmdrm	hypo	CHH	-0.0588
Gm01	8493546	8494091	Gmdrm	hypo	CHH	-0.0264
Gm01	8496262	8497242	Gmdrm	hypo	CHH	-0.0422
Gm01	8498279	8499268	Gmdrm	hypo	CHH	-0.0405
Gm01	8507169	8508167	Gmdrm	hypo	CHH	-0.1471
Gm01	8509192	8509885	Gmdrm	hypo	CHH	-0.0844
Gm01	8510363	8511329	Gmdrm	hypo	CHH	-0.3272
Gm01	8516171	8517171	Gmdrm	hypo	CHH	-0.0757
Gm01	8517183	8518178	Gmdrm	hypo	CHH	-0.0488
Gm01	8520219	8521195	Gmdrm	hypo	CHH	-0.0678
Gm01	8522675	8523666	Gmdrm	hypo	CHH	-0.0277
Gm01	8525482	8525761	Gmdrm	hypo	CHH	-0.0274
Gm01	8541615	8542607	Gmdrm	hypo	CHH	-0.0921
Gm01	8544957	8545956	Gmdrm	hypo	CHH	-0.163
Gm01	8545977	8546975	Gmdrm	hypo	CHH	-0.1542
Gm01	8569546	8570541	Gmdrm	hypo	CHH	-0.0893
Gm01	8572660	8573628	Gmdrm	hypo	CHH	-0.1274
Gm01	8590783	8591782	Gmdrm	hypo	CHH	-0.063
Gm01	8591789	8592769	Gmdrm	hypo	CHH	-0.1774
Gm01	8597934	8598932	Gmdrm	hypo	CHH	-0.0961
Gm01	8600111	8601089	Gmdrm	hypo	CHH	-0.0241
Gm01	8603810	8604304	Gmdrm	hypo	CHH	-0.037
Gm01	8607527	8608503	Gmdrm	hypo	CHH	-0.0268
Gm01	8612372	8613364	Gmdrm	hypo	CHH	-0.0177
Gm01	8619729	8620174	Gmdrm	hypo	CHH	-0.0181
Gm01	8652124	8653119	Gmdrm	hypo	CHH	-0.0165
Gm01	8653129	8654087	Gmdrm	hypo	CHH	-0.0185
Gm01	8656538	8657518	Gmdrm	hypo	CHH	-0.1547
Gm01	8657547	8658520	Gmdrm	hypo	CHH	-0.0152
Gm01	8658563	8659551	Gmdrm	hypo	CHH	-0.0226
Gm01	8660005	8661000	Gmdrm	hypo	CHH	-0.0742
Gm01	8666107	8667100	Gmdrm	hypo	CHH	-0.053
Gm01	8667111	8668111	Gmdrm	hypo	CHH	-0.1631
Gm01	8668526	8669254	Gmdrm	hypo	CHH	-0.0124
Gm01	8690003	8691001	Gmdrm	hypo	CHH	-0.0404
Gm01	8693643	8694639	Gmdrm	hypo	CHH	-0.3644
Gm01	8698221	8699006	Gmdrm	hypo	CHH	-0.0187
Gm01	8743541	8744537	Gmdrm	hypo	CHH	-0.0467
Gm01	8747577	8748562	Gmdrm	hypo	CHH	-0.0465
Gm01	8749613	8750607	Gmdrm	hypo	CHH	-0.1327
Gm01	8771013	8771984	Gmdrm	hypo	CHH	-0.0382

Gm01	8776011	8776102	Gmdrm	hypo	CHH	-0.04
Gm01	8777684	8778675	Gmdrm	hypo	CHH	-0.0997
Gm01	8778686	8779684	Gmdrm	hypo	CHH	-0.0695
Gm01	8794870	8795863	Gmdrm	hypo	CHH	-0.0187
Gm01	8798422	8799422	Gmdrm	hypo	CHH	-0.0613
Gm01	8808545	8809532	Gmdrm	hypo	CHH	-0.0213
Gm01	8871852	8872851	Gmdrm	hypo	CHH	-0.0145
Gm01	8881634	8882630	Gmdrm	hypo	CHH	-0.0415
Gm01	8899325	8900298	Gmdrm	hypo	CHH	-0.0657
Gm01	8900328	8900648	Gmdrm	hypo	CHH	-0.0266
Gm01	8901700	8902249	Gmdrm	hypo	CHH	-0.016
Gm01	8903799	8904680	Gmdrm	hypo	CHH	-0.0144
Gm01	8914849	8915837	Gmdrm	hypo	CHH	-0.0539
Gm01	8921928	8922909	Gmdrm	hypo	CHH	-0.0351
Gm01	8925975	8926974	Gmdrm	hypo	CHH	-0.0722
Gm01	8942023	8943019	Gmdrm	hypo	CHH	-0.1902
Gm01	8943027	8944027	Gmdrm	hypo	CHH	-0.0614
Gm01	8951433	8952392	Gmdrm	hypo	CHH	-0.01
Gm01	8989458	8990458	Gmdrm	hypo	CHH	-0.0169
Gm01	9041578	9042575	Gmdrm	hypo	CHH	-0.0115
Gm01	9044028	9045028	Gmdrm	hypo	CHH	-0.2429
Gm01	9067272	9068251	Gmdrm	hypo	CHH	-0.0298
Gm01	9084001	9084997	Gmdrm	hypo	CHH	-0.016
Gm01	9088048	9089047	Gmdrm	hypo	CHH	-0.0113
Gm01	9089056	9090056	Gmdrm	hypo	CHH	-0.0431
Gm01	9100271	9100313	Gmdrm	hypo	CHH	-0.04
Gm01	9108049	9109036	Gmdrm	hypo	CHH	-0.0591
Gm01	9110072	9110499	Gmdrm	hypo	CHH	-0.0522
Gm01	9110684	9111023	Gmdrm	hypo	CHH	-0.0167
Gm01	9114214	9115192	Gmdrm	hypo	CHH	-0.1236
Gm01	9143274	9144255	Gmdrm	hypo	CHH	-0.0579
Gm01	9215428	9216398	Gmdrm	hypo	CHH	-0.0349
Gm01	9245924	9246051	Gmdrm	hypo	CHH	-0.045
Gm01	9251078	9251535	Gmdrm	hypo	CHH	-0.0626
Gm01	9251825	9252686	Gmdrm	hypo	CHH	-0.05
Gm01	9258241	9259202	Gmdrm	hypo	CHH	-0.0613
Gm01	9260683	9261681	Gmdrm	hypo	CHH	-0.013
Gm01	9267728	9268722	Gmdrm	hypo	CHH	-0.0149
Gm01	9369811	9370809	Gmdrm	hypo	CHH	-0.0171
Gm01	9372635	9373604	Gmdrm	hypo	CHH	-0.0183
Gm01	9474168	9475158	Gmdrm	hypo	CHH	-0.0374
Gm01	9476182	9477176	Gmdrm	hypo	CHH	-0.0207
Gm01	9479167	9480135	Gmdrm	hypo	CHH	-0.0201
Gm01	9488289	9489272	Gmdrm	hypo	CHH	-0.024
Gm01	9516911	9517905	Gmdrm	hypo	CHH	-0.0439
Gm01	9667585	9668583	Gmdrm	hypo	CHH	-0.0323

Gm01	9669603	9670591	Gmdrm	hypo	CHH	-0.015
Gm01	9671894	9672894	Gmdrm	hypo	CHH	-0.0926
Gm01	9672895	9673887	Gmdrm	hypo	CHH	-0.3308
Gm01	9678315	9679302	Gmdrm	hypo	CHH	-0.0346
Gm01	9679334	9680017	Gmdrm	hypo	CHH	-0.1519
Gm01	9680132	9681130	Gmdrm	hypo	CHH	-0.0212
Gm01	9681133	9682114	Gmdrm	hypo	CHH	-0.0351
Gm01	9685102	9686092	Gmdrm	hypo	CHH	-0.074
Gm01	9692199	9693163	Gmdrm	hypo	CHH	-0.0109
Gm01	9721524	9721882	Gmdrm	hypo	CHH	-0.0355
Gm01	9724096	9725086	Gmdrm	hypo	CHH	-0.0451
Gm01	9726125	9727125	Gmdrm	hypo	CHH	-0.072
Gm01	9750762	9751421	Gmdrm	hypo	CHH	-0.1537
Gm01	9752868	9753170	Gmdrm	hypo	CHH	-0.031
Gm01	9753284	9754280	Gmdrm	hypo	CHH	-0.0204
Gm01	9754301	9755299	Gmdrm	hypo	CHH	-0.0242
Gm01	9757046	9758014	Gmdrm	hypo	CHH	-0.0419
Gm01	9780285	9781284	Gmdrm	hypo	CHH	-0.1687
Gm01	9785349	9786349	Gmdrm	hypo	CHH	-0.0162
Gm01	9796487	9797455	Gmdrm	hypo	CHH	-0.0241
Gm01	9797493	9798493	Gmdrm	hypo	CHH	-0.1007
Gm01	9798494	9799486	Gmdrm	hypo	CHH	-0.0889
Gm01	9799497	9800487	Gmdrm	hypo	CHH	-0.0562
Gm01	9800935	9801926	Gmdrm	hypo	CHH	-0.0651
Gm01	9801939	9802928	Gmdrm	hypo	CHH	-0.1073
Gm01	9804338	9805290	Gmdrm	hypo	CHH	-0.0591
Gm01	9806577	9807571	Gmdrm	hypo	CHH	-0.0536
Gm01	9845539	9846529	Gmdrm	hypo	CHH	-0.0174
Gm01	9846590	9847568	Gmdrm	hypo	CHH	-0.0262
Gm01	9872011	9873006	Gmdrm	hypo	CHH	-0.0348
Gm01	9873018	9874018	Gmdrm	hypo	CHH	-0.0569
Gm01	9874021	9874412	Gmdrm	hypo	CHH	-0.1378
Gm01	9878490	9879485	Gmdrm	hypo	CHH	-0.0165
Gm01	9935606	9936605	Gmdrm	hypo	CHH	-0.0235
Gm01	9967722	9968721	Gmdrm	hypo	CHH	-0.0204
Gm01	9970958	9971956	Gmdrm	hypo	CHH	-0.0421
Gm01	10020466	10021463	Gmdrm	hypo	CHH	-0.0458
Gm01	10029556	10030547	Gmdrm	hypo	CHH	-0.059
Gm01	10053971	10054971	Gmdrm	hypo	CHH	-0.0214
Gm01	10062658	10063640	Gmdrm	hypo	CHH	-0.0625
Gm01	10063660	10064633	Gmdrm	hypo	CHH	-0.0648
Gm01	10068300	10069298	Gmdrm	hypo	CHH	-0.0182
Gm01	10084656	10085635	Gmdrm	hypo	CHH	-0.0278
Gm01	10086180	10086607	Gmdrm	hypo	CHH	-0.0322
Gm01	10087059	10088056	Gmdrm	hypo	CHH	-0.087
Gm01	10116818	10117818	Gmdrm	hypo	CHH	-0.0459

Gm01	10175663	10175774	Gmdrm	hypo	CHH	-0.0815
Gm01	10388574	10388627	Gmdrm	hypo	CHH	-0.1834
Gm01	10613570	10614438	Gmdrm	hypo	CHH	-0.0272
Gm01	10696874	10696957	Gmdrm	hypo	CHH	-0.1669
Gm01	10736776	10737691	Gmdrm	hypo	CHH	-0.0449
Gm01	10783321	10784152	Gmdrm	hypo	CHH	-0.0805
Gm01	10785840	10786826	Gmdrm	hypo	CHH	-0.0215
Gm01	10904390	10905387	Gmdrm	hypo	CHH	-0.0627
Gm01	10905396	10906394	Gmdrm	hypo	CHH	-0.0425
Gm01	10937982	10938915	Gmdrm	hypo	CHH	-0.0735
Gm01	10941414	10942332	Gmdrm	hypo	CHH	-0.0204
Gm01	10950073	10951071	Gmdrm	hypo	CHH	-0.0249
Gm01	10953101	10954096	Gmdrm	hypo	CHH	-0.0306
Gm01	11012095	11013033	Gmdrm	hypo	CHH	-0.0381
Gm01	11018157	11018705	Gmdrm	hypo	CHH	-0.0417
Gm01	11019858	11020854	Gmdrm	hypo	CHH	-0.0306
Gm01	11084918	11085898	Gmdrm	hypo	CHH	-0.0157
Gm01	11156917	11157867	Gmdrm	hypo	CHH	-0.0468
Gm01	11157925	11158429	Gmdrm	hypo	CHH	-0.0325
Gm01	11165679	11166062	Gmdrm	hypo	CHH	-0.0462
Gm01	11211996	11212894	Gmdrm	hypo	CHH	-0.0791
Gm01	11213208	11214207	Gmdrm	hypo	CHH	-0.0511
Gm01	11222525	11223522	Gmdrm	hypo	CHH	-0.0307
Gm01	11223526	11224520	Gmdrm	hypo	CHH	-0.0491
Gm01	11225533	11226520	Gmdrm	hypo	CHH	-0.1207
Gm01	11240592	11241583	Gmdrm	hypo	CHH	-0.1832
Gm01	11241597	11242592	Gmdrm	hypo	CHH	-0.1265
Gm01	11242623	11243622	Gmdrm	hypo	CHH	-0.0729
Gm01	11274682	11275609	Gmdrm	hypo	CHH	-0.0209
Gm01	11285003	11285976	Gmdrm	hypo	CHH	-0.046
Gm01	11315248	11315897	Gmdrm	hypo	CHH	-0.0373
Gm01	11316025	11316981	Gmdrm	hypo	CHH	-0.0265
Gm01	11319083	11320043	Gmdrm	hypo	CHH	-0.0275
Gm01	11334582	11335579	Gmdrm	hypo	CHH	-0.0399
Gm01	11337406	11338401	Gmdrm	hypo	CHH	-0.0097
Gm01	11339425	11340422	Gmdrm	hypo	CHH	-0.0162
Gm01	11364077	11364413	Gmdrm	hypo	CHH	-0.034
Gm01	11364530	11365526	Gmdrm	hypo	CHH	-0.0406
Gm01	11476151	11476238	Gmdrm	hypo	CHH	-0.04
Gm01	11476346	11477345	Gmdrm	hypo	CHH	-0.0321
Gm01	11492736	11493587	Gmdrm	hypo	CHH	-0.0421
Gm01	11498579	11499573	Gmdrm	hypo	CHH	-0.0462
Gm01	11499586	11500584	Gmdrm	hypo	CHH	-0.0294
Gm01	11528829	11529061	Gmdrm	hypo	CHH	-0.0714
Gm01	11559721	11560339	Gmdrm	hypo	CHH	-0.021
Gm01	11565973	11566412	Gmdrm	hypo	CHH	-0.0722

Gm01	11579101	11580098	Gmdrm	hypo	CHH	-0.0538
Gm01	11590262	11591066	Gmdrm	hypo	CHH	-0.0435
Gm01	11593604	11594601	Gmdrm	hypo	CHH	-0.0409
Gm01	11594615	11595604	Gmdrm	hypo	CHH	-0.0784
Gm01	11625021	11626011	Gmdrm	hypo	CHH	-0.0373
Gm01	11628037	11629035	Gmdrm	hypo	CHH	-0.0187
Gm01	11642491	11642557	Gmdrm	hypo	CHH	-0.07
Gm01	11685526	11686492	Gmdrm	hypo	CHH	-0.0295
Gm01	11687646	11688636	Gmdrm	hypo	CHH	-0.0449
Gm01	11694733	11695727	Gmdrm	hypo	CHH	-0.07
Gm01	11713303	11714295	Gmdrm	hypo	CHH	-0.0638
Gm01	11714305	11715290	Gmdrm	hypo	CHH	-0.0192
Gm01	11726407	11727398	Gmdrm	hypo	CHH	-0.0773
Gm01	11734240	11734624	Gmdrm	hypo	CHH	-0.0694
Gm01	11752897	11753407	Gmdrm	hypo	CHH	-0.0661
Gm01	11754602	11755534	Gmdrm	hypo	CHH	-0.0308
Gm01	11901499	11901891	Gmdrm	hypo	CHH	-0.1243
Gm01	11988629	11989629	Gmdrm	hypo	CHH	-0.0258
Gm01	11989630	11990630	Gmdrm	hypo	CHH	-0.0552
Gm01	11996350	11997348	Gmdrm	hypo	CHH	-0.056
Gm01	11998365	11999061	Gmdrm	hypo	CHH	-0.0762
Gm01	12004379	12005368	Gmdrm	hypo	CHH	-0.0146
Gm01	12005391	12006388	Gmdrm	hypo	CHH	-0.0224
Gm01	12019897	12020889	Gmdrm	hypo	CHH	-0.0136
Gm01	12021868	12022864	Gmdrm	hypo	CHH	-0.1104
Gm01	12022875	12023859	Gmdrm	hypo	CHH	-0.0662
Gm01	12023890	12024616	Gmdrm	hypo	CHH	-0.0124
Gm01	12024727	12025721	Gmdrm	hypo	CHH	-0.158
Gm01	12025728	12026724	Gmdrm	hypo	CHH	-0.0865
Gm01	12027510	12028168	Gmdrm	hypo	CHH	-0.0144
Gm01	12028867	12029847	Gmdrm	hypo	CHH	-0.035
Gm01	12035708	12036707	Gmdrm	hypo	CHH	-0.0319
Gm01	12038298	12039295	Gmdrm	hypo	CHH	-0.0775
Gm01	12253557	12253663	Gmdrm	hypo	CHH	-0.1181
Gm01	12318337	12318727	Gmdrm	hypo	CHH	-0.0223
Gm01	12318869	12319862	Gmdrm	hypo	CHH	-0.0482
Gm01	12384296	12384387	Gmdrm	hypo	CHH	-0.255
Gm01	12549234	12550222	Gmdrm	hypo	CHH	-0.0209
Gm01	12552102	12552625	Gmdrm	hypo	CHH	-0.0546
Gm01	12555019	12556010	Gmdrm	hypo	CHH	-0.0105
Gm01	12609311	12610088	Gmdrm	hypo	CHH	-0.0549
Gm01	12706781	12707776	Gmdrm	hypo	CHH	-0.0217
Gm01	12768564	12769560	Gmdrm	hypo	CHH	-0.079
Gm01	12773861	12774855	Gmdrm	hypo	CHH	-0.0469
Gm01	12775342	12775739	Gmdrm	hypo	CHH	-0.0444
Gm01	12779942	12780940	Gmdrm	hypo	CHH	-0.0406

Gm01	12834832	12835832	Gmdrm	hypo	CHH	-0.2738
Gm01	12835836	12836822	Gmdrm	hypo	CHH	-0.1465
Gm01	12837327	12838326	Gmdrm	hypo	CHH	-0.015
Gm01	12838334	12839334	Gmdrm	hypo	CHH	-0.0567
Gm01	12839337	12840336	Gmdrm	hypo	CHH	-0.034
Gm01	12883235	12884153	Gmdrm	hypo	CHH	-0.1059
Gm01	12889374	12890103	Gmdrm	hypo	CHH	-0.0383
Gm01	12894126	12894372	Gmdrm	hypo	CHH	-0.1119
Gm01	12894985	12895985	Gmdrm	hypo	CHH	-0.085
Gm01	12908079	12909077	Gmdrm	hypo	CHH	-0.0407
Gm01	12909084	12910064	Gmdrm	hypo	CHH	-0.0333
Gm01	12911116	12912092	Gmdrm	hypo	CHH	-0.0292
Gm01	12912136	12913022	Gmdrm	hypo	CHH	-0.0191
Gm01	12913127	12914127	Gmdrm	hypo	CHH	-0.0514
Gm01	12918327	12919311	Gmdrm	hypo	CHH	-0.1055
Gm01	12923744	12924733	Gmdrm	hypo	CHH	-0.0807
Gm01	12927776	12928771	Gmdrm	hypo	CHH	-0.0636
Gm01	12930833	12931663	Gmdrm	hypo	CHH	-0.0718
Gm01	12931789	12932777	Gmdrm	hypo	CHH	-0.0672
Gm01	12934001	12934990	Gmdrm	hypo	CHH	-0.0761
Gm01	12974657	12974839	Gmdrm	hypo	CHH	-0.1316
Gm01	13021021	13021980	Gmdrm	hypo	CHH	-0.0427
Gm01	13026903	13027375	Gmdrm	hypo	CHH	-0.0371
Gm01	13027511	13028489	Gmdrm	hypo	CHH	-0.0323
Gm01	13077911	13078883	Gmdrm	hypo	CHH	-0.0277
Gm01	13081913	13082903	Gmdrm	hypo	CHH	-0.1695
Gm01	13082916	13083898	Gmdrm	hypo	CHH	-0.0824
Gm01	13084469	13085469	Gmdrm	hypo	CHH	-0.0258
Gm01	13085490	13086483	Gmdrm	hypo	CHH	-0.0198
Gm01	13086506	13087486	Gmdrm	hypo	CHH	-0.0706
Gm01	13091770	13092751	Gmdrm	hypo	CHH	-0.0689
Gm01	13157140	13157427	Gmdrm	hypo	CHH	-0.1115
Gm01	13288761	13289243	Gmdrm	hypo	CHH	-0.0351
Gm01	13368995	13369963	Gmdrm	hypo	CHH	-0.016
Gm01	13415166	13416163	Gmdrm	hypo	CHH	-0.054
Gm01	13417191	13417998	Gmdrm	hypo	CHH	-0.0167
Gm01	13439989	13440989	Gmdrm	hypo	CHH	-0.0827
Gm01	13441006	13441383	Gmdrm	hypo	CHH	-0.4776
Gm01	13448877	13449856	Gmdrm	hypo	CHH	-0.0171
Gm01	13451528	13452527	Gmdrm	hypo	CHH	-0.0171
Gm01	13587072	13587359	Gmdrm	hypo	CHH	-0.0455
Gm01	13608475	13608924	Gmdrm	hypo	CHH	-0.102
Gm01	13699444	13699500	Gmdrm	hypo	CHH	-0.2787
Gm01	13961877	13962659	Gmdrm	hypo	CHH	-0.0712
Gm01	14089541	14089565	Gmdrm	hypo	CHH	-0.4
Gm01	14112662	14113661	Gmdrm	hypo	CHH	-0.0621

Gm01	14137089	14137579	Gmdrm	hypo	CHH	-0.0296
Gm01	14137714	14138704	Gmdrm	hypo	CHH	-0.1484
Gm01	14139157	14140153	Gmdrm	hypo	CHH	-0.0623
Gm01	14147778	14148728	Gmdrm	hypo	CHH	-0.0125
Gm01	14150136	14150500	Gmdrm	hypo	CHH	-0.0232
Gm01	14151645	14152645	Gmdrm	hypo	CHH	-0.1074
Gm01	14362139	14362367	Gmdrm	hypo	CHH	-0.034
Gm01	14364661	14365661	Gmdrm	hypo	CHH	-0.0291
Gm01	14365670	14365931	Gmdrm	hypo	CHH	-0.0825
Gm01	14366236	14367234	Gmdrm	hypo	CHH	-0.1585
Gm01	14373011	14374006	Gmdrm	hypo	CHH	-0.0537
Gm01	14665394	14665890	Gmdrm	hypo	CHH	-0.1104
Gm01	14939078	14940059	Gmdrm	hypo	CHH	-0.0391
Gm01	14999523	14999829	Gmdrm	hypo	CHH	-0.0533
Gm01	15157690	15158446	Gmdrm	hypo	CHH	-0.0304
Gm01	15186340	15186941	Gmdrm	hypo	CHH	-0.0903
Gm01	15191338	15192337	Gmdrm	hypo	CHH	-0.0285
Gm01	15370470	15371466	Gmdrm	hypo	CHH	-0.0158
Gm01	15372489	15373489	Gmdrm	hypo	CHH	-0.0329
Gm01	15377262	15377390	Gmdrm	hypo	CHH	-0.0511
Gm01	15424418	15424499	Gmdrm	hypo	CHH	-0.1578
Gm01	15482591	15483269	Gmdrm	hypo	CHH	-0.0285
Gm01	15483927	15484579	Gmdrm	hypo	CHH	-0.0426
Gm01	15486189	15487176	Gmdrm	hypo	CHH	-0.0225
Gm01	15662203	15662957	Gmdrm	hypo	CHH	-0.0511
Gm01	15684311	15685268	Gmdrm	hypo	CHH	-0.1228
Gm01	15735422	15735716	Gmdrm	hypo	CHH	-0.1779
Gm01	15911927	15912904	Gmdrm	hypo	CHH	-0.027
Gm01	15920566	15921533	Gmdrm	hypo	CHH	-0.0475
Gm01	15939328	15940301	Gmdrm	hypo	CHH	-0.1526
Gm01	15951841	15952271	Gmdrm	hypo	CHH	-0.0366
Gm01	15981634	15982085	Gmdrm	hypo	CHH	-0.1279
Gm01	15996236	15997235	Gmdrm	hypo	CHH	-0.0494
Gm01	16079206	16079633	Gmdrm	hypo	CHH	-0.0843
Gm01	16081517	16082497	Gmdrm	hypo	CHH	-0.0456
Gm01	16082556	16083506	Gmdrm	hypo	CHH	-0.066
Gm01	16091548	16092546	Gmdrm	hypo	CHH	-0.0445
Gm01	16197658	16197733	Gmdrm	hypo	CHH	-0.1
Gm01	16270914	16271912	Gmdrm	hypo	CHH	-0.0139
Gm01	16271926	16272905	Gmdrm	hypo	CHH	-0.0462
Gm01	16279952	16280293	Gmdrm	hypo	CHH	-0.0354
Gm01	16348707	16349117	Gmdrm	hypo	CHH	-0.0376
Gm01	16568045	16568951	Gmdrm	hypo	CHH	-0.0529
Gm01	16569434	16569796	Gmdrm	hypo	CHH	-0.0703
Gm01	16629542	16630524	Gmdrm	hypo	CHH	-0.0477
Gm01	16652580	16653568	Gmdrm	hypo	CHH	-0.0221

Gm01	16675480	16675660	Gmdrm	hypo	CHH	-0.0662
Gm01	16677014	16677210	Gmdrm	hypo	CHH	-0.0806
Gm01	16687981	16688942	Gmdrm	hypo	CHH	-0.0908
Gm01	16689011	16689389	Gmdrm	hypo	CHH	-0.02
Gm01	16690037	16691036	Gmdrm	hypo	CHH	-0.0795
Gm01	16881418	16881681	Gmdrm	hypo	CHH	-0.2033
Gm01	17033974	17034635	Gmdrm	hypo	CHH	-0.0438
Gm01	17035881	17036457	Gmdrm	hypo	CHH	-0.0184
Gm01	17037083	17038081	Gmdrm	hypo	CHH	-0.0557
Gm01	17038084	17039083	Gmdrm	hypo	CHH	-0.0776
Gm01	17039087	17040075	Gmdrm	hypo	CHH	-0.0798
Gm01	17044369	17044991	Gmdrm	hypo	CHH	-0.0503
Gm01	17045209	17046209	Gmdrm	hypo	CHH	-0.0442
Gm01	17047619	17048618	Gmdrm	hypo	CHH	-0.1203
Gm01	17172707	17173702	Gmdrm	hypo	CHH	-0.0604
Gm01	17173712	17174492	Gmdrm	hypo	CHH	-0.0757
Gm01	17174634	17174812	Gmdrm	hypo	CHH	-0.034
Gm01	17177596	17178585	Gmdrm	hypo	CHH	-0.0152
Gm01	17234903	17235243	Gmdrm	hypo	CHH	-0.0827
Gm01	17283970	17284239	Gmdrm	hypo	CHH	-0.1
Gm01	17290022	17291016	Gmdrm	hypo	CHH	-0.0427
Gm01	17384333	17384589	Gmdrm	hypo	CHH	-0.1172
Gm01	17448537	17449369	Gmdrm	hypo	CHH	-0.0325
Gm01	17611477	17612048	Gmdrm	hypo	CHH	-0.054
Gm01	17613219	17614214	Gmdrm	hypo	CHH	-0.0164
Gm01	17624613	17625593	Gmdrm	hypo	CHH	-0.0342
Gm01	17637526	17638524	Gmdrm	hypo	CHH	-0.0371
Gm01	17638530	17639517	Gmdrm	hypo	CHH	-0.029
Gm01	17640934	17641934	Gmdrm	hypo	CHH	-0.1432
Gm01	17680273	17680528	Gmdrm	hypo	CHH	-0.0964
Gm01	17796549	17796927	Gmdrm	hypo	CHH	-0.0225
Gm01	17900395	17901371	Gmdrm	hypo	CHH	-0.0163
Gm01	17907720	17908098	Gmdrm	hypo	CHH	-0.3294
Gm01	18051081	18052071	Gmdrm	hypo	CHH	-0.0365
Gm01	18274356	18275347	Gmdrm	hypo	CHH	-0.0669
Gm01	18305823	18306793	Gmdrm	hypo	CHH	-0.0154
Gm01	18399353	18400347	Gmdrm	hypo	CHH	-0.0599
Gm01	18400835	18400872	Gmdrm	hypo	CHH	-0.2143
Gm01	18405316	18406285	Gmdrm	hypo	CHH	-0.168
Gm01	18406343	18406375	Gmdrm	hypo	CHH	-0.076
Gm01	18421935	18422933	Gmdrm	hypo	CHH	-0.0203
Gm01	18423795	18424792	Gmdrm	hypo	CHH	-0.017
Gm01	18424812	18425774	Gmdrm	hypo	CHH	-0.0129
Gm01	18430246	18431227	Gmdrm	hypo	CHH	-0.015
Gm01	18433297	18434294	Gmdrm	hypo	CHH	-0.0712
Gm01	18434303	18435287	Gmdrm	hypo	CHH	-0.0799

Gm01	18444570	18445080	Gmdrm	hypo	CHH	-0.0435
Gm01	18445219	18446189	Gmdrm	hypo	CHH	-0.0392
Gm01	18446229	18447078	Gmdrm	hypo	CHH	-0.0442
Gm01	18672706	18673686	Gmdrm	hypo	CHH	-0.0411
Gm01	18679517	18679575	Gmdrm	hypo	CHH	-0.128
Gm01	18694454	18694887	Gmdrm	hypo	CHH	-0.1166
Gm01	18866284	18867284	Gmdrm	hypo	CHH	-0.0253
Gm01	18869085	18870082	Gmdrm	hypo	CHH	-0.1133
Gm01	18870089	18871072	Gmdrm	hypo	CHH	-0.0383
Gm01	18876155	18877152	Gmdrm	hypo	CHH	-0.0343
Gm01	18973791	18974766	Gmdrm	hypo	CHH	-0.0223
Gm01	18985147	18986089	Gmdrm	hypo	CHH	-0.0217
Gm01	18986185	18987180	Gmdrm	hypo	CHH	-0.0162
Gm01	19074390	19074505	Gmdrm	hypo	CHH	-0.1787
Gm01	19108963	19109944	Gmdrm	hypo	CHH	-0.0247
Gm01	19110563	19110652	Gmdrm	hypo	CHH	-0.0411
Gm01	19115823	19116089	Gmdrm	hypo	CHH	-0.1169
Gm01	19117546	19117607	Gmdrm	hypo	CHH	-0.3491
Gm01	19118139	19118483	Gmdrm	hypo	CHH	-0.2468
Gm01	19122109	19123085	Gmdrm	hypo	CHH	-0.05
Gm01	19124153	19125152	Gmdrm	hypo	CHH	-0.0792
Gm01	19131875	19132875	Gmdrm	hypo	CHH	-0.0257
Gm01	19133099	19134098	Gmdrm	hypo	CHH	-0.1083
Gm01	19136131	19137117	Gmdrm	hypo	CHH	-0.0622
Gm01	19143361	19144355	Gmdrm	hypo	CHH	-0.0448
Gm01	19258867	19259863	Gmdrm	hypo	CHH	-0.0499
Gm01	19349002	19350001	Gmdrm	hypo	CHH	-0.0595
Gm01	19354080	19354803	Gmdrm	hypo	CHH	-0.0175
Gm01	19647768	19648608	Gmdrm	hypo	CHH	-0.023
Gm01	19794107	19795107	Gmdrm	hypo	CHH	-0.0513
Gm01	19795111	19795801	Gmdrm	hypo	CHH	-0.0314
Gm01	19797724	19798717	Gmdrm	hypo	CHH	-0.1043
Gm01	19871169	19872167	Gmdrm	hypo	CHH	-0.0207
Gm01	19875247	19875826	Gmdrm	hypo	CHH	-0.0197
Gm01	19877692	19878692	Gmdrm	hypo	CHH	-0.1823
Gm01	19878698	19879692	Gmdrm	hypo	CHH	-0.2184
Gm01	19912479	19912599	Gmdrm	hypo	CHH	-0.188
Gm01	20052485	20053471	Gmdrm	hypo	CHH	-0.3362
Gm01	20054495	20055481	Gmdrm	hypo	CHH	-0.1648
Gm01	20078863	20079849	Gmdrm	hypo	CHH	-0.111
Gm01	20081592	20082577	Gmdrm	hypo	CHH	-0.0254
Gm01	20084234	20085234	Gmdrm	hypo	CHH	-0.0891
Gm01	20085241	20086240	Gmdrm	hypo	CHH	-0.0631
Gm01	20109940	20110936	Gmdrm	hypo	CHH	-0.1741
Gm01	20110950	20111949	Gmdrm	hypo	CHH	-0.0627
Gm01	20161226	20162226	Gmdrm	hypo	CHH	-0.0294

Gm01	20234001	20234945 Gmdrm	hypo	CHH	-0.0733
Gm01	20238782	20238948 Gmdrm	hypo	CHH	-0.0663
Gm01	20241306	20242306 Gmdrm	hypo	CHH	-0.035
Gm01	20272492	20273460 Gmdrm	hypo	CHH	-0.1065
Gm01	20367692	20368688 Gmdrm	hypo	CHH	-0.0341
Gm01	20419770	20420761 Gmdrm	hypo	CHH	-0.0248
Gm01	20475517	20476275 Gmdrm	hypo	CHH	-0.0395
Gm01	20477650	20478637 Gmdrm	hypo	CHH	-0.0279
Gm01	20478699	20479519 Gmdrm	hypo	CHH	-0.0146
Gm01	20508182	20509181 Gmdrm	hypo	CHH	-0.0215
Gm01	20518834	20519824 Gmdrm	hypo	CHH	-0.0178
Gm01	20525684	20526682 Gmdrm	hypo	CHH	-0.1354
Gm01	20526686	20526899 Gmdrm	hypo	CHH	-0.2951
Gm01	20566863	20567502 Gmdrm	hypo	CHH	-0.0206
Gm01	20567630	20568181 Gmdrm	hypo	CHH	-0.095
Gm01	20569769	20570751 Gmdrm	hypo	CHH	-0.0372
Gm01	20570772	20571750 Gmdrm	hypo	CHH	-0.0147
Gm01	20574660	20575655 Gmdrm	hypo	CHH	-0.0563
Gm01	20715291	20716291 Gmdrm	hypo	CHH	-0.0174
Gm01	20716298	20717296 Gmdrm	hypo	CHH	-0.1614
Gm01	20739337	20739457 Gmdrm	hypo	CHH	-0.1646
Gm01	20743298	20744292 Gmdrm	hypo	CHH	-0.0235
Gm01	20764132	20765111 Gmdrm	hypo	CHH	-0.1489
Gm01	20773651	20774640 Gmdrm	hypo	CHH	-0.156
Gm01	20774655	20775645 Gmdrm	hypo	CHH	-0.0518
Gm01	20780028	20781025 Gmdrm	hypo	CHH	-0.0388
Gm01	20846152	20846695 Gmdrm	hypo	CHH	-0.0565
Gm01	20846891	20847121 Gmdrm	hypo	CHH	-0.08
Gm01	21339522	21340518 Gmdrm	hypo	CHH	-0.0832
Gm01	21342742	21342974 Gmdrm	hypo	CHH	-0.0678
Gm01	21347183	21348167 Gmdrm	hypo	CHH	-0.0135
Gm01	21352462	21352967 Gmdrm	hypo	CHH	-0.0782
Gm01	21405809	21406771 Gmdrm	hypo	CHH	-0.0165
Gm01	21407278	21407828 Gmdrm	hypo	CHH	-0.0662
Gm01	21797218	21798208 Gmdrm	hypo	CHH	-0.0504
Gm01	21820610	21820781 Gmdrm	hypo	CHH	-0.1525
Gm01	21899537	21900533 Gmdrm	hypo	CHH	-0.0413
Gm01	21900539	21901255 Gmdrm	hypo	CHH	-0.0962
Gm01	21903049	21903193 Gmdrm	hypo	CHH	-0.1693
Gm01	21903404	21904391 Gmdrm	hypo	CHH	-0.0455
Gm01	21904415	21905414 Gmdrm	hypo	CHH	-0.0188
Gm01	21905416	21906369 Gmdrm	hypo	CHH	-0.0974
Gm01	21911803	21912785 Gmdrm	hypo	CHH	-0.0297
Gm01	22029351	22030346 Gmdrm	hypo	CHH	-0.0336
Gm01	22192927	22193905 Gmdrm	hypo	CHH	-0.0164
Gm01	22195024	22195732 Gmdrm	hypo	CHH	-0.0218

Gm01	22918520	22919465	Gmdrm	hypo	CHH	-0.0919
Gm01	22936093	22937087	Gmdrm	hypo	CHH	-0.1491
Gm01	22937095	22938094	Gmdrm	hypo	CHH	-0.0484
Gm01	22949924	22950894	Gmdrm	hypo	CHH	-0.0375
Gm01	23077098	23078088	Gmdrm	hypo	CHH	-0.1016
Gm01	23108748	23109399	Gmdrm	hypo	CHH	-0.0244
Gm01	23365423	23365610	Gmdrm	hypo	CHH	-0.1162
Gm01	23370145	23371144	Gmdrm	hypo	CHH	-0.0766
Gm01	23387599	23388570	Gmdrm	hypo	CHH	-0.0168
Gm01	23392660	23393615	Gmdrm	hypo	CHH	-0.1029
Gm01	23409411	23410411	Gmdrm	hypo	CHH	-0.0833
Gm01	23430433	23431429	Gmdrm	hypo	CHH	-0.017
Gm01	23431435	23432434	Gmdrm	hypo	CHH	-0.0492
Gm01	23432451	23433443	Gmdrm	hypo	CHH	-0.0267
Gm01	23433462	23434287	Gmdrm	hypo	CHH	-0.0168
Gm01	23435548	23435816	Gmdrm	hypo	CHH	-0.032
Gm01	23435920	23436804	Gmdrm	hypo	CHH	-0.1742
Gm01	23437928	23438928	Gmdrm	hypo	CHH	-0.073
Gm01	23448034	23448395	Gmdrm	hypo	CHH	-0.1812
Gm01	23456256	23457254	Gmdrm	hypo	CHH	-0.0882
Gm01	23460652	23461608	Gmdrm	hypo	CHH	-0.0301
Gm01	23464032	23465031	Gmdrm	hypo	CHH	-0.0288
Gm01	23477449	23478422	Gmdrm	hypo	CHH	-0.0398
Gm01	23478475	23479463	Gmdrm	hypo	CHH	-0.0235
Gm01	23481516	23482512	Gmdrm	hypo	CHH	-0.0542
Gm01	23515210	23515229	Gmdrm	hypo	CHH	-0.07
Gm01	23660042	23661028	Gmdrm	hypo	CHH	-0.0625
Gm01	23661052	23662051	Gmdrm	hypo	CHH	-0.022
Gm01	23663060	23664039	Gmdrm	hypo	CHH	-0.0145
Gm01	23668080	23669067	Gmdrm	hypo	CHH	-0.0261
Gm01	23674993	23675947	Gmdrm	hypo	CHH	-0.0169
Gm01	23722474	23723397	Gmdrm	hypo	CHH	-0.1044
Gm01	23725356	23726356	Gmdrm	hypo	CHH	-0.257
Gm01	23726358	23727325	Gmdrm	hypo	CHH	-0.1411
Gm01	23729417	23730413	Gmdrm	hypo	CHH	-0.0337
Gm01	23731423	23732420	Gmdrm	hypo	CHH	-0.0829
Gm01	23736407	23737405	Gmdrm	hypo	CHH	-0.0976
Gm01	23737408	23738382	Gmdrm	hypo	CHH	-0.0996
Gm01	23747338	23748333	Gmdrm	hypo	CHH	-0.0524
Gm01	23921071	23922070	Gmdrm	hypo	CHH	-0.0746
Gm01	23933995	23934559	Gmdrm	hypo	CHH	-0.0307
Gm01	24028230	24029225	Gmdrm	hypo	CHH	-0.0739
Gm01	24029232	24030232	Gmdrm	hypo	CHH	-0.0537
Gm01	24030233	24030441	Gmdrm	hypo	CHH	-0.0969
Gm01	24034138	24035110	Gmdrm	hypo	CHH	-0.0431
Gm01	24035154	24036146	Gmdrm	hypo	CHH	-0.0137

Gm01	24061935	24062924	Gmdrm	hypo	CHH	-0.0548
Gm01	24074002	24074993	Gmdrm	hypo	CHH	-0.0525
Gm01	24084659	24085656	Gmdrm	hypo	CHH	-0.0197
Gm01	24085660	24086592	Gmdrm	hypo	CHH	-0.1583
Gm01	24091349	24092349	Gmdrm	hypo	CHH	-0.0636
Gm01	24092357	24093343	Gmdrm	hypo	CHH	-0.0369
Gm01	24109290	24110281	Gmdrm	hypo	CHH	-0.0994
Gm01	24111152	24112150	Gmdrm	hypo	CHH	-0.0357
Gm01	24158882	24159879	Gmdrm	hypo	CHH	-0.0836
Gm01	24160642	24161056	Gmdrm	hypo	CHH	-0.0224
Gm01	24170791	24171774	Gmdrm	hypo	CHH	-0.0581
Gm01	24222894	24223519	Gmdrm	hypo	CHH	-0.177
Gm01	24223656	24224650	Gmdrm	hypo	CHH	-0.0187
Gm01	24227159	24228142	Gmdrm	hypo	CHH	-0.0432
Gm01	24229169	24230152	Gmdrm	hypo	CHH	-0.1115
Gm01	24230188	24231187	Gmdrm	hypo	CHH	-0.0197
Gm01	24326285	24327280	Gmdrm	hypo	CHH	-0.0467
Gm01	24352265	24353264	Gmdrm	hypo	CHH	-0.0693
Gm01	24353283	24354277	Gmdrm	hypo	CHH	-0.066
Gm01	24425931	24426931	Gmdrm	hypo	CHH	-0.1627
Gm01	24434069	24435051	Gmdrm	hypo	CHH	-0.0224
Gm01	24517324	24517730	Gmdrm	hypo	CHH	-0.0349
Gm01	24518205	24519159	Gmdrm	hypo	CHH	-0.015
Gm01	24556035	24556300	Gmdrm	hypo	CHH	-0.0991
Gm01	24556401	24557384	Gmdrm	hypo	CHH	-0.0358
Gm01	24559639	24560635	Gmdrm	hypo	CHH	-0.0341
Gm01	24565649	24566627	Gmdrm	hypo	CHH	-0.0239
Gm01	24568619	24569437	Gmdrm	hypo	CHH	-0.0567
Gm01	24569572	24570558	Gmdrm	hypo	CHH	-0.0419
Gm01	24570573	24571567	Gmdrm	hypo	CHH	-0.0324
Gm01	24571574	24572531	Gmdrm	hypo	CHH	-0.0153
Gm01	24612144	24613140	Gmdrm	hypo	CHH	-0.0467
Gm01	24617196	24618180	Gmdrm	hypo	CHH	-0.0423
Gm01	24621810	24622544	Gmdrm	hypo	CHH	-0.0661
Gm01	24627441	24628175	Gmdrm	hypo	CHH	-0.0293
Gm01	24633630	24634022	Gmdrm	hypo	CHH	-0.0329
Gm01	24684170	24685170	Gmdrm	hypo	CHH	-0.0572
Gm01	24721475	24722474	Gmdrm	hypo	CHH	-0.1309
Gm01	24722479	24723471	Gmdrm	hypo	CHH	-0.0715
Gm01	24723482	24724467	Gmdrm	hypo	CHH	-0.0222
Gm01	24733735	24734113	Gmdrm	hypo	CHH	-0.0237
Gm01	24735812	24736808	Gmdrm	hypo	CHH	-0.0512
Gm01	24744058	24745058	Gmdrm	hypo	CHH	-0.0278
Gm01	24748143	24749138	Gmdrm	hypo	CHH	-0.0583
Gm01	24753200	24753448	Gmdrm	hypo	CHH	-0.0644
Gm01	24873162	24874141	Gmdrm	hypo	CHH	-0.0559

Gm01	24885369	24886354	Gmdrm	hypo	CHH	-0.0354
Gm01	24894675	24895630	Gmdrm	hypo	CHH	-0.0531
Gm01	24900696	24901696	Gmdrm	hypo	CHH	-0.0932
Gm01	24901705	24902698	Gmdrm	hypo	CHH	-0.1337
Gm01	24902717	24903717	Gmdrm	hypo	CHH	-0.1268
Gm01	24903722	24904488	Gmdrm	hypo	CHH	-0.1029
Gm01	24909531	24910515	Gmdrm	hypo	CHH	-0.1215
Gm01	24910536	24911485	Gmdrm	hypo	CHH	-0.0194
Gm01	24912087	24913082	Gmdrm	hypo	CHH	-0.0791
Gm01	24915568	24916567	Gmdrm	hypo	CHH	-0.0347
Gm01	24918032	24919032	Gmdrm	hypo	CHH	-0.0243
Gm01	24994853	24995807	Gmdrm	hypo	CHH	-0.0109
Gm01	25042008	25042994	Gmdrm	hypo	CHH	-0.0138
Gm01	25056368	25057364	Gmdrm	hypo	CHH	-0.0158
Gm01	25060162	25061153	Gmdrm	hypo	CHH	-0.0787
Gm01	25109253	25109363	Gmdrm	hypo	CHH	-0.0234
Gm01	25260955	25261953	Gmdrm	hypo	CHH	-0.035
Gm01	25261962	25262962	Gmdrm	hypo	CHH	-0.0665
Gm01	25315300	25315460	Gmdrm	hypo	CHH	-0.0292
Gm01	25326268	25327251	Gmdrm	hypo	CHH	-0.0688
Gm01	25406336	25406521	Gmdrm	hypo	CHH	-0.029
Gm01	25410093	25411087	Gmdrm	hypo	CHH	-0.0451
Gm01	25440437	25441175	Gmdrm	hypo	CHH	-0.0582
Gm01	25529985	25530985	Gmdrm	hypo	CHH	-0.0746
Gm01	25530988	25531985	Gmdrm	hypo	CHH	-0.0345
Gm01	25531998	25532907	Gmdrm	hypo	CHH	-0.0286
Gm01	25534142	25535132	Gmdrm	hypo	CHH	-0.0477
Gm01	25542979	25543978	Gmdrm	hypo	CHH	-0.0634
Gm01	25543991	25544989	Gmdrm	hypo	CHH	-0.0373
Gm01	25554228	25555228	Gmdrm	hypo	CHH	-0.0475
Gm01	25555236	25556234	Gmdrm	hypo	CHH	-0.0248
Gm01	25556257	25557242	Gmdrm	hypo	CHH	-0.0948
Gm01	25565636	25566631	Gmdrm	hypo	CHH	-0.0273
Gm01	25610183	25610294	Gmdrm	hypo	CHH	-0.0324
Gm01	25616110	25616808	Gmdrm	hypo	CHH	-0.065
Gm01	25647751	25648715	Gmdrm	hypo	CHH	-0.0312
Gm01	25660152	25660261	Gmdrm	hypo	CHH	-0.0843
Gm01	25697778	25698384	Gmdrm	hypo	CHH	-0.0433
Gm01	25765862	25766862	Gmdrm	hypo	CHH	-0.0722
Gm01	25801974	25802733	Gmdrm	hypo	CHH	-0.0712
Gm01	25806987	25807984	Gmdrm	hypo	CHH	-0.0256
Gm01	25807991	25808978	Gmdrm	hypo	CHH	-0.072
Gm01	25810865	25811858	Gmdrm	hypo	CHH	-0.0425
Gm01	25850758	25851525	Gmdrm	hypo	CHH	-0.0859
Gm01	25851689	25852677	Gmdrm	hypo	CHH	-0.1292
Gm01	25858548	25859447	Gmdrm	hypo	CHH	-0.1191

Gm01	25859592	25860585	Gmdrm	hypo	CHH	-0.0548
Gm01	25900028	25900601	Gmdrm	hypo	CHH	-0.0382
Gm01	25902712	25903692	Gmdrm	hypo	CHH	-0.0109
Gm01	25904725	25905721	Gmdrm	hypo	CHH	-0.0109
Gm01	26171649	26172608	Gmdrm	hypo	CHH	-0.0519
Gm01	26178513	26179253	Gmdrm	hypo	CHH	-0.0393
Gm01	26184542	26185541	Gmdrm	hypo	CHH	-0.0377
Gm01	26189215	26190191	Gmdrm	hypo	CHH	-0.0148
Gm01	26190238	26191232	Gmdrm	hypo	CHH	-0.0566
Gm01	26191244	26192209	Gmdrm	hypo	CHH	-0.1138
Gm01	26194273	26194901	Gmdrm	hypo	CHH	-0.0322
Gm01	26264759	26265758	Gmdrm	hypo	CHH	-0.0273
Gm01	26267855	26268425	Gmdrm	hypo	CHH	-0.0426
Gm01	26308000	26309000	Gmdrm	hypo	CHH	-0.0772
Gm01	26363282	26364279	Gmdrm	hypo	CHH	-0.0908
Gm01	26492794	26492913	Gmdrm	hypo	CHH	-0.0433
Gm01	26495120	26496009	Gmdrm	hypo	CHH	-0.0325
Gm01	26532668	26533655	Gmdrm	hypo	CHH	-0.0224
Gm01	26533670	26534660	Gmdrm	hypo	CHH	-0.2318
Gm01	26546352	26547341	Gmdrm	hypo	CHH	-0.0121
Gm01	26547368	26547441	Gmdrm	hypo	CHH	-0.0225
Gm01	26547542	26548532	Gmdrm	hypo	CHH	-0.1128
Gm01	26552055	26552580	Gmdrm	hypo	CHH	-0.0609
Gm01	26615004	26615488	Gmdrm	hypo	CHH	-0.0575
Gm01	26615661	26616656	Gmdrm	hypo	CHH	-0.0381
Gm01	26616665	26617649	Gmdrm	hypo	CHH	-0.0807
Gm01	26648573	26649565	Gmdrm	hypo	CHH	-0.0385
Gm01	26662398	26663384	Gmdrm	hypo	CHH	-0.0386
Gm01	26664931	26665922	Gmdrm	hypo	CHH	-0.1031
Gm01	26665936	26666935	Gmdrm	hypo	CHH	-0.0898
Gm01	26677019	26678014	Gmdrm	hypo	CHH	-0.0158
Gm01	26681055	26682055	Gmdrm	hypo	CHH	-0.0807
Gm01	26718913	26719908	Gmdrm	hypo	CHH	-0.0171
Gm01	26725656	26726461	Gmdrm	hypo	CHH	-0.0683
Gm01	26726841	26727841	Gmdrm	hypo	CHH	-0.0594
Gm01	26731050	26732047	Gmdrm	hypo	CHH	-0.0436
Gm01	26736786	26737768	Gmdrm	hypo	CHH	-0.0358
Gm01	26749916	26750879	Gmdrm	hypo	CHH	-0.0437
Gm01	26761003	26761378	Gmdrm	hypo	CHH	-0.0312
Gm01	26769272	26770272	Gmdrm	hypo	CHH	-0.0271
Gm01	26870950	26871937	Gmdrm	hypo	CHH	-0.0975
Gm01	26892453	26893003	Gmdrm	hypo	CHH	-0.0675
Gm01	26922618	26923126	Gmdrm	hypo	CHH	-0.0256
Gm01	26923532	26924532	Gmdrm	hypo	CHH	-0.0615
Gm01	26953025	26954006	Gmdrm	hypo	CHH	-0.0105
Gm01	26956809	26957807	Gmdrm	hypo	CHH	-0.085

Gm01	26958852	26959850	Gmdrm	hypo	CHH	-0.0142
Gm01	26961905	26962900	Gmdrm	hypo	CHH	-0.0507
Gm01	27009288	27010284	Gmdrm	hypo	CHH	-0.0153
Gm01	27010293	27011278	Gmdrm	hypo	CHH	-0.0342
Gm01	27011299	27012105	Gmdrm	hypo	CHH	-0.1449
Gm01	27012407	27013184	Gmdrm	hypo	CHH	-0.025
Gm01	27025510	27026507	Gmdrm	hypo	CHH	-0.0709
Gm01	27026517	27027505	Gmdrm	hypo	CHH	-0.0145
Gm01	27036598	27036687	Gmdrm	hypo	CHH	-0.2667
Gm01	27037037	27038022	Gmdrm	hypo	CHH	-0.0663
Gm01	27041067	27041757	Gmdrm	hypo	CHH	-0.0263
Gm01	27054486	27055484	Gmdrm	hypo	CHH	-0.0564
Gm01	27075495	27076255	Gmdrm	hypo	CHH	-0.0316
Gm01	27116874	27117868	Gmdrm	hypo	CHH	-0.067
Gm01	27123576	27124560	Gmdrm	hypo	CHH	-0.0232
Gm01	27126469	27127457	Gmdrm	hypo	CHH	-0.0464
Gm01	27162121	27162929	Gmdrm	hypo	CHH	-0.0247
Gm01	27166441	27167427	Gmdrm	hypo	CHH	-0.0593
Gm01	27188774	27189768	Gmdrm	hypo	CHH	-0.0568
Gm01	27189780	27190775	Gmdrm	hypo	CHH	-0.024
Gm01	27234898	27235892	Gmdrm	hypo	CHH	-0.0475
Gm01	27243156	27244152	Gmdrm	hypo	CHH	-0.0476
Gm01	27292292	27293241	Gmdrm	hypo	CHH	-0.0224
Gm01	27297045	27297987	Gmdrm	hypo	CHH	-0.0192
Gm01	27307266	27308240	Gmdrm	hypo	CHH	-0.0285
Gm01	27328891	27329883	Gmdrm	hypo	CHH	-0.0733
Gm01	27373964	27374963	Gmdrm	hypo	CHH	-0.0267
Gm01	27377970	27378956	Gmdrm	hypo	CHH	-0.0147
Gm01	27378982	27379979	Gmdrm	hypo	CHH	-0.0201
Gm01	27379989	27380982	Gmdrm	hypo	CHH	-0.052
Gm01	27383872	27384028	Gmdrm	hypo	CHH	-0.0784
Gm01	27384141	27384222	Gmdrm	hypo	CHH	-0.1181
Gm01	27384343	27385343	Gmdrm	hypo	CHH	-0.0597
Gm01	27394633	27395621	Gmdrm	hypo	CHH	-0.0348
Gm01	27430385	27431384	Gmdrm	hypo	CHH	-0.028
Gm01	27475238	27476226	Gmdrm	hypo	CHH	-0.0711
Gm01	27476240	27477233	Gmdrm	hypo	CHH	-0.0374
Gm01	27479299	27480258	Gmdrm	hypo	CHH	-0.075
Gm01	27488781	27489769	Gmdrm	hypo	CHH	-0.0382
Gm01	27489825	27490688	Gmdrm	hypo	CHH	-0.0432
Gm01	27515003	27515994	Gmdrm	hypo	CHH	-0.0604
Gm01	27516008	27516999	Gmdrm	hypo	CHH	-0.0492
Gm01	27601607	27602576	Gmdrm	hypo	CHH	-0.0312
Gm01	27602657	27603654	Gmdrm	hypo	CHH	-0.0208
Gm01	27603677	27603888	Gmdrm	hypo	CHH	-0.0614
Gm01	27605860	27605944	Gmdrm	hypo	CHH	-0.0383

Gm01	27606919	27607915	Gmdrm	hypo	CHH	-0.0455
Gm01	27610826	27611549	Gmdrm	hypo	CHH	-0.0704
Gm01	27676267	27677251	Gmdrm	hypo	CHH	-0.0184
Gm01	27678218	27678280	Gmdrm	hypo	CHH	-0.104
Gm01	27722204	27722655	Gmdrm	hypo	CHH	-0.1187
Gm01	27745893	27746889	Gmdrm	hypo	CHH	-0.0321
Gm01	27746894	27747894	Gmdrm	hypo	CHH	-0.0816
Gm01	27752271	27753240	Gmdrm	hypo	CHH	-0.1008
Gm01	27754282	27755279	Gmdrm	hypo	CHH	-0.0402
Gm01	27758354	27759314	Gmdrm	hypo	CHH	-0.0437
Gm01	27772115	27772278	Gmdrm	hypo	CHH	-0.0562
Gm01	27785204	27785218	Gmdrm	hypo	CHH	-0.32
Gm01	27809491	27810489	Gmdrm	hypo	CHH	-0.022
Gm01	27831021	27832014	Gmdrm	hypo	CHH	-0.0263
Gm01	27832022	27832515	Gmdrm	hypo	CHH	-0.0129
Gm01	27833382	27834377	Gmdrm	hypo	CHH	-0.0459
Gm01	27834384	27834675	Gmdrm	hypo	CHH	-0.0255
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Gm01	27851946	27852938	Gmdrm	hypo	CHH	-0.0352
Gm01	27864451	27865426	Gmdrm	hypo	CHH	-0.0434
Gm01	27894145	27894215	Gmdrm	hypo	CHH	-0.0514
Gm01	27924227	27925224	Gmdrm	hypo	CHH	-0.1158
Gm01	27933193	27934155	Gmdrm	hypo	CHH	-0.0419
Gm01	27953208	27953368	Gmdrm	hypo	CHH	-0.0759
Gm01	27970306	27971306	Gmdrm	hypo	CHH	-0.0532
Gm01	27971321	27972299	Gmdrm	hypo	CHH	-0.0923
Gm01	28003080	28003277	Gmdrm	hypo	CHH	-0.0612
Gm01	28004697	28005694	Gmdrm	hypo	CHH	-0.0184
Gm01	28005700	28006698	Gmdrm	hypo	CHH	-0.0779
Gm01	28015417	28016417	Gmdrm	hypo	CHH	-0.0529
Gm01	28071866	28072229	Gmdrm	hypo	CHH	-0.0406
Gm01	28081794	28082791	Gmdrm	hypo	CHH	-0.0407
Gm01	28108531	28109512	Gmdrm	hypo	CHH	-0.0779
Gm01	28195704	28195743	Gmdrm	hypo	CHH	-0.0734
Gm01	28240934	28241355	Gmdrm	hypo	CHH	-0.0223
Gm01	28242283	28242588	Gmdrm	hypo	CHH	-0.0756
Gm01	28243143	28244126	Gmdrm	hypo	CHH	-0.1301
Gm01	28282211	28283209	Gmdrm	hypo	CHH	-0.0297
Gm01	28284708	28285702	Gmdrm	hypo	CHH	-0.0128
Gm01	28285720	28286664	Gmdrm	hypo	CHH	-0.012
Gm01	28341272	28342261	Gmdrm	hypo	CHH	-0.0221
Gm01	28344496	28345491	Gmdrm	hypo	CHH	-0.0445
Gm01	28348090	28349090	Gmdrm	hypo	CHH	-0.1608
Gm01	28349096	28350073	Gmdrm	hypo	CHH	-0.1703
Gm01	28350105	28350552	Gmdrm	hypo	CHH	-0.2019
Gm01	28350654	28351373	Gmdrm	hypo	CHH	-0.1544

Gm01	28352675	28353187	Gmdrm	hypo	CHH	-0.0578
Gm01	28353307	28354284	Gmdrm	hypo	CHH	-0.094
Gm01	28354310	28355292	Gmdrm	hypo	CHH	-0.0943
Gm01	28358445	28359443	Gmdrm	hypo	CHH	-0.0619
Gm01	28370425	28371399	Gmdrm	hypo	CHH	-0.0294
Gm01	28377703	28378536	Gmdrm	hypo	CHH	-0.0682
Gm01	28378840	28379832	Gmdrm	hypo	CHH	-0.0689
Gm01	28406142	28407135	Gmdrm	hypo	CHH	-0.0191
Gm01	28407154	28407694	Gmdrm	hypo	CHH	-0.152
Gm01	28410950	28411944	Gmdrm	hypo	CHH	-0.1928
Gm01	28411951	28412951	Gmdrm	hypo	CHH	-0.0647
Gm01	28449763	28450752	Gmdrm	hypo	CHH	-0.0457
Gm01	28451266	28452220	Gmdrm	hypo	CHH	-0.0781
Gm01	28462489	28463060	Gmdrm	hypo	CHH	-0.1148
Gm01	28612092	28613092	Gmdrm	hypo	CHH	-0.0474
Gm01	28617115	28618088	Gmdrm	hypo	CHH	-0.1127
Gm01	28618124	28619007	Gmdrm	hypo	CHH	-0.0185
Gm01	28620347	28621335	Gmdrm	hypo	CHH	-0.0749
Gm01	28622427	28623427	Gmdrm	hypo	CHH	-0.0433
Gm01	28623434	28624415	Gmdrm	hypo	CHH	-0.1112
Gm01	28624439	28625438	Gmdrm	hypo	CHH	-0.0271
Gm01	28625440	28626406	Gmdrm	hypo	CHH	-0.0138
Gm01	28627076	28628024	Gmdrm	hypo	CHH	-0.0171
Gm01	28630340	28631278	Gmdrm	hypo	CHH	-0.0424
Gm01	28634228	28635180	Gmdrm	hypo	CHH	-0.1314
Gm01	28637272	28637756	Gmdrm	hypo	CHH	-0.0657
Gm01	28638093	28639078	Gmdrm	hypo	CHH	-0.0698
Gm01	28643184	28644173	Gmdrm	hypo	CHH	-0.0739
Gm01	28644185	28645178	Gmdrm	hypo	CHH	-0.1358
Gm01	28645186	28645899	Gmdrm	hypo	CHH	-0.0567
Gm01	28651536	28652530	Gmdrm	hypo	CHH	-0.1646
Gm01	28652549	28653464	Gmdrm	hypo	CHH	-0.1723
Gm01	28660014	28661004	Gmdrm	hypo	CHH	-0.0485
Gm01	28661023	28661579	Gmdrm	hypo	CHH	-0.1483
Gm01	28666204	28667178	Gmdrm	hypo	CHH	-0.1085
Gm01	28676336	28677329	Gmdrm	hypo	CHH	-0.0398
Gm01	28687392	28688380	Gmdrm	hypo	CHH	-0.0481
Gm01	28694227	28695225	Gmdrm	hypo	CHH	-0.0564
Gm01	28700601	28701512	Gmdrm	hypo	CHH	-0.0963
Gm01	28701712	28702711	Gmdrm	hypo	CHH	-0.0545
Gm01	28702720	28703684	Gmdrm	hypo	CHH	-0.1084
Gm01	28750564	28751556	Gmdrm	hypo	CHH	-0.0338
Gm01	28824704	28824954	Gmdrm	hypo	CHH	-0.0919
Gm01	29114867	29115789	Gmdrm	hypo	CHH	-0.0141
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Gm01	29185499	29186032	Gmdrm	hypo	CHH	-0.0174

Gm01	29197526	29198354	Gmdrm	hypo	CHH	-0.0469
Gm01	29246857	29247843	Gmdrm	hypo	CHH	-0.0929
Gm01	29295923	29296805	Gmdrm	hypo	CHH	-0.0242
Gm01	29357314	29358302	Gmdrm	hypo	CHH	-0.0145
Gm01	29358330	29359325	Gmdrm	hypo	CHH	-0.0381
Gm01	29359334	29359524	Gmdrm	hypo	CHH	-0.047
Gm01	29359625	29360611	Gmdrm	hypo	CHH	-0.029
Gm01	29445390	29446385	Gmdrm	hypo	CHH	-0.1118
Gm01	29450405	29451386	Gmdrm	hypo	CHH	-0.1701
Gm01	29453751	29454749	Gmdrm	hypo	CHH	-0.0513
Gm01	29592671	29593666	Gmdrm	hypo	CHH	-0.0255
Gm01	29594680	29595675	Gmdrm	hypo	CHH	-0.0324
Gm01	29784211	29784493	Gmdrm	hypo	CHH	-0.0476
Gm01	29786145	29786783	Gmdrm	hypo	CHH	-0.0226
Gm01	29791809	29792796	Gmdrm	hypo	CHH	-0.0372
Gm01	29943155	29944146	Gmdrm	hypo	CHH	-0.0933
Gm01	29945662	29946652	Gmdrm	hypo	CHH	-0.0804
Gm01	30004217	30005216	Gmdrm	hypo	CHH	-0.0234
Gm01	30031032	30031833	Gmdrm	hypo	CHH	-0.026
Gm01	30031957	30032893	Gmdrm	hypo	CHH	-0.0349
Gm01	30032994	30033991	Gmdrm	hypo	CHH	-0.093
Gm01	30033997	30034996	Gmdrm	hypo	CHH	-0.0477
Gm01	30165371	30166365	Gmdrm	hypo	CHH	-0.0211
Gm01	30171434	30172399	Gmdrm	hypo	CHH	-0.017
Gm01	30212264	30212358	Gmdrm	hypo	CHH	-0.1421
Gm01	30313174	30314170	Gmdrm	hypo	CHH	-0.0997
Gm01	30323878	30324802	Gmdrm	hypo	CHH	-0.0406
Gm01	30408781	30408907	Gmdrm	hypo	CHH	-0.056
Gm01	30514111	30515104	Gmdrm	hypo	CHH	-0.0279
Gm01	30667128	30667178	Gmdrm	hypo	CHH	-0.1667
Gm01	31064966	31065917	Gmdrm	hypo	CHH	-0.0437
Gm01	31077681	31078674	Gmdrm	hypo	CHH	-0.0237
Gm01	31080058	31081022	Gmdrm	hypo	CHH	-0.0285
Gm01	31182570	31183570	Gmdrm	hypo	CHH	-0.0333
Gm01	31205283	31205733	Gmdrm	hypo	CHH	-0.1095
Gm01	31330358	31331311	Gmdrm	hypo	CHH	-0.0587
Gm01	31334467	31335327	Gmdrm	hypo	CHH	-0.0476
Gm01	31364593	31364636	Gmdrm	hypo	CHH	-0.094
Gm01	31530627	31531623	Gmdrm	hypo	CHH	-0.0195
Gm01	31545791	31546779	Gmdrm	hypo	CHH	-0.0927
Gm01	31546797	31547336	Gmdrm	hypo	CHH	-0.0662
Gm01	31553755	31554743	Gmdrm	hypo	CHH	-0.055
Gm01	31889897	31890894	Gmdrm	hypo	CHH	-0.084
Gm01	31950245	31951164	Gmdrm	hypo	CHH	-0.1128
Gm01	31954611	31954984	Gmdrm	hypo	CHH	-0.0493
Gm01	31955349	31956348	Gmdrm	hypo	CHH	-0.0532

Gm01	31960077	31961067	Gmdrm	hypo	CHH	-0.0154
Gm01	31964438	31965398	Gmdrm	hypo	CHH	-0.0218
Gm01	31965646	31966637	Gmdrm	hypo	CHH	-0.0685
Gm01	31970054	31971053	Gmdrm	hypo	CHH	-0.0224
Gm01	31971057	31972056	Gmdrm	hypo	CHH	-0.0172
Gm01	31972098	31972787	Gmdrm	hypo	CHH	-0.08
Gm01	31972972	31973968	Gmdrm	hypo	CHH	-0.0173
Gm01	32074026	32075026	Gmdrm	hypo	CHH	-0.0354
Gm01	32111351	32112351	Gmdrm	hypo	CHH	-0.1085
Gm01	32156302	32157302	Gmdrm	hypo	CHH	-0.0544
Gm01	32188366	32188964	Gmdrm	hypo	CHH	-0.0824
Gm01	32280307	32280406	Gmdrm	hypo	CHH	-0.1676
Gm01	32338444	32339169	Gmdrm	hypo	CHH	-0.0415
Gm01	32342057	32343055	Gmdrm	hypo	CHH	-0.0294
Gm01	32343061	32344059	Gmdrm	hypo	CHH	-0.0555
Gm01	32590805	32591782	Gmdrm	hypo	CHH	-0.0423
Gm01	32613891	32614884	Gmdrm	hypo	CHH	-0.0164
Gm01	32617074	32618074	Gmdrm	hypo	CHH	-0.1086
Gm01	32618075	32619018	Gmdrm	hypo	CHH	-0.0485
Gm01	32620172	32621144	Gmdrm	hypo	CHH	-0.014
Gm01	32621190	32622182	Gmdrm	hypo	CHH	-0.0546
Gm01	32675349	32676334	Gmdrm	hypo	CHH	-0.0323
Gm01	32680544	32681537	Gmdrm	hypo	CHH	-0.0831
Gm01	32714366	32715139	Gmdrm	hypo	CHH	-0.0259
Gm01	32725833	32726825	Gmdrm	hypo	CHH	-0.0164
Gm01	32726871	32727083	Gmdrm	hypo	CHH	-0.0283
Gm01	32731723	32732719	Gmdrm	hypo	CHH	-0.0384
Gm01	32877073	32878046	Gmdrm	hypo	CHH	-0.0912
Gm01	32879104	32880093	Gmdrm	hypo	CHH	-0.0227
Gm01	32882828	32883739	Gmdrm	hypo	CHH	-0.2035
Gm01	32886723	32887723	Gmdrm	hypo	CHH	-0.0355
Gm01	32918794	32919790	Gmdrm	hypo	CHH	-0.0312
Gm01	32919797	32920788	Gmdrm	hypo	CHH	-0.0259
Gm01	32936046	32937041	Gmdrm	hypo	CHH	-0.0289
Gm01	33139286	33140283	Gmdrm	hypo	CHH	-0.024
Gm01	33141306	33142272	Gmdrm	hypo	CHH	-0.0308
Gm01	33151444	33152439	Gmdrm	hypo	CHH	-0.0324
Gm01	33152449	33153424	Gmdrm	hypo	CHH	-0.1694
Gm01	33156082	33156370	Gmdrm	hypo	CHH	-0.037
Gm01	33157595	33158594	Gmdrm	hypo	CHH	-0.027
Gm01	33178370	33179357	Gmdrm	hypo	CHH	-0.0324
Gm01	33180398	33180804	Gmdrm	hypo	CHH	-0.1
Gm01	33181097	33182068	Gmdrm	hypo	CHH	-0.0295
Gm01	33184283	33185279	Gmdrm	hypo	CHH	-0.03
Gm01	33185284	33186246	Gmdrm	hypo	CHH	-0.0132
Gm01	33186678	33187361	Gmdrm	hypo	CHH	-0.0247

Gm01	33188062	33189062	Gmdrm	hypo	CHH	-0.0393
Gm01	33199017	33200013	Gmdrm	hypo	CHH	-0.0411
Gm01	33220189	33221177	Gmdrm	hypo	CHH	-0.0471
Gm01	33225278	33226274	Gmdrm	hypo	CHH	-0.0936
Gm01	33243680	33244290	Gmdrm	hypo	CHH	-0.0225
Gm01	33283529	33284487	Gmdrm	hypo	CHH	-0.05
Gm01	33290617	33291608	Gmdrm	hypo	CHH	-0.0307
Gm01	33291618	33292605	Gmdrm	hypo	CHH	-0.0212
Gm01	33295124	33296122	Gmdrm	hypo	CHH	-0.0356
Gm01	33299154	33299823	Gmdrm	hypo	CHH	-0.0609
Gm01	33311815	33312402	Gmdrm	hypo	CHH	-0.049
Gm01	33312935	33313917	Gmdrm	hypo	CHH	-0.0667
Gm01	33320511	33321505	Gmdrm	hypo	CHH	-0.0275
Gm01	33322540	33323535	Gmdrm	hypo	CHH	-0.015
Gm01	33324594	33325592	Gmdrm	hypo	CHH	-0.1484
Gm01	33325598	33326589	Gmdrm	hypo	CHH	-0.1279
Gm01	33462817	33463814	Gmdrm	hypo	CHH	-0.0342
Gm01	33475187	33475609	Gmdrm	hypo	CHH	-0.1461
Gm01	33482132	33482935	Gmdrm	hypo	CHH	-0.04
Gm01	33575159	33576159	Gmdrm	hypo	CHH	-0.0197
Gm01	33576161	33577137	Gmdrm	hypo	CHH	-0.0313
Gm01	33577194	33577973	Gmdrm	hypo	CHH	-0.0283
Gm01	33578303	33579301	Gmdrm	hypo	CHH	-0.0485
Gm01	33579304	33580281	Gmdrm	hypo	CHH	-0.0843
Gm01	33586840	33587835	Gmdrm	hypo	CHH	-0.0421
Gm01	33587851	33588827	Gmdrm	hypo	CHH	-0.0375
Gm01	33588857	33589845	Gmdrm	hypo	CHH	-0.0405
Gm01	33599392	33600370	Gmdrm	hypo	CHH	-0.0843
Gm01	33603260	33604185	Gmdrm	hypo	CHH	-0.054
Gm01	33610066	33611060	Gmdrm	hypo	CHH	-0.0266
Gm01	33611073	33612062	Gmdrm	hypo	CHH	-0.0401
Gm01	33617626	33618379	Gmdrm	hypo	CHH	-0.0214
Gm01	33618721	33619708	Gmdrm	hypo	CHH	-0.0326
Gm01	33619735	33620717	Gmdrm	hypo	CHH	-0.0182
Gm01	33645547	33646538	Gmdrm	hypo	CHH	-0.012
Gm01	33648617	33649611	Gmdrm	hypo	CHH	-0.022
Gm01	33663268	33664211	Gmdrm	hypo	CHH	-0.121
Gm01	33664340	33665339	Gmdrm	hypo	CHH	-0.0117
Gm01	33668566	33669565	Gmdrm	hypo	CHH	-0.0183
Gm01	33669593	33670581	Gmdrm	hypo	CHH	-0.0395
Gm01	33670595	33671595	Gmdrm	hypo	CHH	-0.046
Gm01	33671605	33672455	Gmdrm	hypo	CHH	-0.1249
Gm01	33703424	33704422	Gmdrm	hypo	CHH	-0.0209
Gm01	33708491	33709479	Gmdrm	hypo	CHH	-0.0677
Gm01	33771306	33772297	Gmdrm	hypo	CHH	-0.0226
Gm01	33776275	33776978	Gmdrm	hypo	CHH	-0.0653

Gm01	33777105	33778082	Gmdrm	hypo	CHH	-0.0958
Gm01	33778722	33779649	Gmdrm	hypo	CHH	-0.0452
Gm01	33789387	33790367	Gmdrm	hypo	CHH	-0.0574
Gm01	33791185	33791567	Gmdrm	hypo	CHH	-0.0335
Gm01	33802354	33803352	Gmdrm	hypo	CHH	-0.0497
Gm01	33829008	33829967	Gmdrm	hypo	CHH	-0.0213
Gm01	33835364	33836358	Gmdrm	hypo	CHH	-0.0272
Gm01	33838610	33839608	Gmdrm	hypo	CHH	-0.0183
Gm01	33839615	33840605	Gmdrm	hypo	CHH	-0.0193
Gm01	33840905	33841902	Gmdrm	hypo	CHH	-0.0385
Gm01	33844588	33845572	Gmdrm	hypo	CHH	-0.0161
Gm01	33845615	33846538	Gmdrm	hypo	CHH	-0.1728
Gm01	33858135	33859032	Gmdrm	hypo	CHH	-0.0597
Gm01	33859162	33860159	Gmdrm	hypo	CHH	-0.0613
Gm01	33860165	33860668	Gmdrm	hypo	CHH	-0.0708
Gm01	33860816	33861732	Gmdrm	hypo	CHH	-0.0583
Gm01	33861818	33862818	Gmdrm	hypo	CHH	-0.0409
Gm01	33862822	33863800	Gmdrm	hypo	CHH	-0.1033
Gm01	33867783	33868193	Gmdrm	hypo	CHH	-0.0182
Gm01	33900967	33901192	Gmdrm	hypo	CHH	-0.0631
Gm01	33913357	33914354	Gmdrm	hypo	CHH	-0.0557
Gm01	33915506	33916493	Gmdrm	hypo	CHH	-0.1058
Gm01	33916512	33917362	Gmdrm	hypo	CHH	-0.0897
Gm01	33919491	33920483	Gmdrm	hypo	CHH	-0.0537
Gm01	33920514	33921491	Gmdrm	hypo	CHH	-0.0817
Gm01	33924846	33925837	Gmdrm	hypo	CHH	-0.0799
Gm01	33925847	33926799	Gmdrm	hypo	CHH	-0.0514
Gm01	33941074	33942019	Gmdrm	hypo	CHH	-0.0291
Gm01	33943077	33944071	Gmdrm	hypo	CHH	-0.0714
Gm01	33944079	33945044	Gmdrm	hypo	CHH	-0.0725
Gm01	33945182	33945756	Gmdrm	hypo	CHH	-0.0178
Gm01	33948169	33949160	Gmdrm	hypo	CHH	-0.02
Gm01	33966457	33967456	Gmdrm	hypo	CHH	-0.2826
Gm01	34027716	34028705	Gmdrm	hypo	CHH	-0.0692
Gm01	34028729	34029563	Gmdrm	hypo	CHH	-0.0371
Gm01	34108136	34109125	Gmdrm	hypo	CHH	-0.133
Gm01	34109145	34110129	Gmdrm	hypo	CHH	-0.163
Gm01	34111931	34112930	Gmdrm	hypo	CHH	-0.0298
Gm01	34150325	34151313	Gmdrm	hypo	CHH	-0.1067
Gm01	34165473	34166465	Gmdrm	hypo	CHH	-0.0546
Gm01	34166513	34167484	Gmdrm	hypo	CHH	-0.0113
Gm01	34171528	34172410	Gmdrm	hypo	CHH	-0.0961
Gm01	34181345	34182329	Gmdrm	hypo	CHH	-0.0257
Gm01	34368007	34368994	Gmdrm	hypo	CHH	-0.0306
Gm01	34370220	34371209	Gmdrm	hypo	CHH	-0.064
Gm01	34374248	34375244	Gmdrm	hypo	CHH	-0.0656

Gm01	34375252	34375538	Gmdrm	hypo	CHH	-0.1353
Gm01	34377216	34378213	Gmdrm	hypo	CHH	-0.0203
Gm01	34379515	34380298	Gmdrm	hypo	CHH	-0.0247
Gm01	34429617	34430542	Gmdrm	hypo	CHH	-0.0502
Gm01	34533282	34534278	Gmdrm	hypo	CHH	-0.0727
Gm01	34534283	34534965	Gmdrm	hypo	CHH	-0.0304
Gm01	34571504	34572504	Gmdrm	hypo	CHH	-0.0174
Gm01	34659423	34660368	Gmdrm	hypo	CHH	-0.1131
Gm01	34662496	34663496	Gmdrm	hypo	CHH	-0.1028
Gm01	34663507	34664503	Gmdrm	hypo	CHH	-0.2183
Gm01	34668951	34669946	Gmdrm	hypo	CHH	-0.0593
Gm01	34673982	34674980	Gmdrm	hypo	CHH	-0.0799
Gm01	34674983	34675941	Gmdrm	hypo	CHH	-0.0253
Gm01	34681197	34682192	Gmdrm	hypo	CHH	-0.1911
Gm01	34683205	34684042	Gmdrm	hypo	CHH	-0.0614
Gm01	34692276	34693201	Gmdrm	hypo	CHH	-0.0196
Gm01	34712555	34713555	Gmdrm	hypo	CHH	-0.0146
Gm01	34716688	34717688	Gmdrm	hypo	CHH	-0.0482
Gm01	34717704	34718221	Gmdrm	hypo	CHH	-0.1172
Gm01	34718405	34719398	Gmdrm	hypo	CHH	-0.1059
Gm01	34728191	34729189	Gmdrm	hypo	CHH	-0.0393
Gm01	34729200	34730198	Gmdrm	hypo	CHH	-0.0269
Gm01	34737184	34738181	Gmdrm	hypo	CHH	-0.0767
Gm01	34742296	34743287	Gmdrm	hypo	CHH	-0.0309
Gm01	34743297	34744297	Gmdrm	hypo	CHH	-0.0459
Gm01	34751623	34752608	Gmdrm	hypo	CHH	-0.052
Gm01	34771518	34772510	Gmdrm	hypo	CHH	-0.0173
Gm01	34797134	34798133	Gmdrm	hypo	CHH	-0.0241
Gm01	34799045	34800021	Gmdrm	hypo	CHH	-0.0251
Gm01	34912136	34913124	Gmdrm	hypo	CHH	-0.2317
Gm01	34913147	34914146	Gmdrm	hypo	CHH	-0.0548
Gm01	34924016	34924480	Gmdrm	hypo	CHH	-0.111
Gm01	34924614	34924790	Gmdrm	hypo	CHH	-0.07
Gm01	34928220	34928323	Gmdrm	hypo	CHH	-0.034
Gm01	34928444	34928801	Gmdrm	hypo	CHH	-0.047
Gm01	34930929	34931927	Gmdrm	hypo	CHH	-0.0548
Gm01	35008817	35009518	Gmdrm	hypo	CHH	-0.0208
Gm01	35013166	35013303	Gmdrm	hypo	CHH	-0.0395
Gm01	35014424	35015410	Gmdrm	hypo	CHH	-0.0753
Gm01	35046444	35047438	Gmdrm	hypo	CHH	-0.032
Gm01	35134829	35134924	Gmdrm	hypo	CHH	-0.0962
Gm01	35184198	35185151	Gmdrm	hypo	CHH	-0.2
Gm01	35185264	35186216	Gmdrm	hypo	CHH	-0.039
Gm01	35186266	35186655	Gmdrm	hypo	CHH	-0.0289
Gm01	35189758	35189886	Gmdrm	hypo	CHH	-0.04
Gm01	35192508	35193508	Gmdrm	hypo	CHH	-0.0259

Gm01	35193512	35194480	Gmdrm	hypo	CHH	-0.0244
Gm01	35219035	35219353	Gmdrm	hypo	CHH	-0.0294
Gm01	35220067	35221062	Gmdrm	hypo	CHH	-0.0385
Gm01	35221081	35222080	Gmdrm	hypo	CHH	-0.0968
Gm01	35222099	35222623	Gmdrm	hypo	CHH	-0.0991
Gm01	35223797	35224758	Gmdrm	hypo	CHH	-0.0422
Gm01	35295796	35296485	Gmdrm	hypo	CHH	-0.0336
Gm01	35471370	35471421	Gmdrm	hypo	CHH	-0.2575
Gm01	35492088	35492509	Gmdrm	hypo	CHH	-0.1384
Gm01	35616433	35616894	Gmdrm	hypo	CHH	-0.02
Gm01	35617031	35618031	Gmdrm	hypo	CHH	-0.0576
Gm01	35636749	35637588	Gmdrm	hypo	CHH	-0.0243
Gm01	35643797	35644795	Gmdrm	hypo	CHH	-0.3775
Gm01	35648053	35648822	Gmdrm	hypo	CHH	-0.0494
Gm01	35648941	35649937	Gmdrm	hypo	CHH	-0.0222
Gm01	35654523	35655483	Gmdrm	hypo	CHH	-0.1352
Gm01	35656645	35657632	Gmdrm	hypo	CHH	-0.0194
Gm01	35699104	35700103	Gmdrm	hypo	CHH	-0.0155
Gm01	35704038	35704677	Gmdrm	hypo	CHH	-0.0209
Gm01	35822458	35823434	Gmdrm	hypo	CHH	-0.0583
Gm01	35827607	35828060	Gmdrm	hypo	CHH	-0.0309
Gm01	35832214	35833207	Gmdrm	hypo	CHH	-0.0252
Gm01	35836038	35837026	Gmdrm	hypo	CHH	-0.0473
Gm01	35837039	35838038	Gmdrm	hypo	CHH	-0.1029
Gm01	35840517	35841509	Gmdrm	hypo	CHH	-0.0366
Gm01	35857642	35858633	Gmdrm	hypo	CHH	-0.0681
Gm01	35859833	35860083	Gmdrm	hypo	CHH	-0.0192
Gm01	35865465	35866462	Gmdrm	hypo	CHH	-0.027
Gm01	35869536	35870536	Gmdrm	hypo	CHH	-0.1012
Gm01	35931508	35932495	Gmdrm	hypo	CHH	-0.0095
Gm01	35934271	35935266	Gmdrm	hypo	CHH	-0.1295
Gm01	35935281	35936273	Gmdrm	hypo	CHH	-0.0757
Gm01	35961856	35962851	Gmdrm	hypo	CHH	-0.015
Gm01	35968284	35969282	Gmdrm	hypo	CHH	-0.0705
Gm01	36041809	36042793	Gmdrm	hypo	CHH	-0.0199
Gm01	36042810	36043796	Gmdrm	hypo	CHH	-0.066
Gm01	36179667	36180667	Gmdrm	hypo	CHH	-0.0472
Gm01	36195406	36196402	Gmdrm	hypo	CHH	-0.073
Gm01	36196420	36197420	Gmdrm	hypo	CHH	-0.0274
Gm01	36208323	36209318	Gmdrm	hypo	CHH	-0.0578
Gm01	36213339	36214338	Gmdrm	hypo	CHH	-0.0694
Gm01	36214349	36215348	Gmdrm	hypo	CHH	-0.0827
Gm01	36228313	36229256	Gmdrm	hypo	CHH	-0.0268
Gm01	36242977	36243972	Gmdrm	hypo	CHH	-0.0233
Gm01	36251604	36252583	Gmdrm	hypo	CHH	-0.023
Gm01	36255372	36256350	Gmdrm	hypo	CHH	-0.0226

Gm01	36379403	36380396	Gmdrm	hypo	CHH	-0.0355
Gm01	36383080	36384075	Gmdrm	hypo	CHH	-0.0635
Gm01	36385094	36386086	Gmdrm	hypo	CHH	-0.0296
Gm01	36390057	36390764	Gmdrm	hypo	CHH	-0.0218
Gm01	36399409	36400406	Gmdrm	hypo	CHH	-0.0888
Gm01	36400410	36401385	Gmdrm	hypo	CHH	-0.1092
Gm01	36402733	36403732	Gmdrm	hypo	CHH	-0.0582
Gm01	36403734	36404707	Gmdrm	hypo	CHH	-0.0426
Gm01	36417739	36418737	Gmdrm	hypo	CHH	-0.2554
Gm01	36418742	36419741	Gmdrm	hypo	CHH	-0.143
Gm01	36419744	36420729	Gmdrm	hypo	CHH	-0.0352
Gm01	36451467	36452462	Gmdrm	hypo	CHH	-0.093
Gm01	36452470	36453466	Gmdrm	hypo	CHH	-0.014
Gm01	36458277	36459269	Gmdrm	hypo	CHH	-0.0169
Gm01	36459288	36460287	Gmdrm	hypo	CHH	-0.0272
Gm01	36476560	36476908	Gmdrm	hypo	CHH	-0.1025
Gm01	36495138	36496137	Gmdrm	hypo	CHH	-0.0197
Gm01	36496147	36497140	Gmdrm	hypo	CHH	-0.0809
Gm01	36498156	36499120	Gmdrm	hypo	CHH	-0.0466
Gm01	36500318	36501294	Gmdrm	hypo	CHH	-0.0511
Gm01	36501351	36502349	Gmdrm	hypo	CHH	-0.0586
Gm01	36554849	36555035	Gmdrm	hypo	CHH	-0.0759
Gm01	36555513	36556510	Gmdrm	hypo	CHH	-0.0671
Gm01	36556517	36557413	Gmdrm	hypo	CHH	-0.0619
Gm01	36557671	36558583	Gmdrm	hypo	CHH	-0.1834
Gm01	36570564	36571522	Gmdrm	hypo	CHH	-0.0156
Gm01	36571740	36572737	Gmdrm	hypo	CHH	-0.0258
Gm01	36572751	36573750	Gmdrm	hypo	CHH	-0.0269
Gm01	36600362	36601350	Gmdrm	hypo	CHH	-0.0194
Gm01	36602807	36603804	Gmdrm	hypo	CHH	-0.0257
Gm01	36608578	36609576	Gmdrm	hypo	CHH	-0.1374
Gm01	36609584	36610190	Gmdrm	hypo	CHH	-0.0782
Gm01	36632746	36633731	Gmdrm	hypo	CHH	-0.0165
Gm01	36633950	36634950	Gmdrm	hypo	CHH	-0.0332
Gm01	36634951	36635943	Gmdrm	hypo	CHH	-0.0786
Gm01	36635964	36636957	Gmdrm	hypo	CHH	-0.141
Gm01	36636967	36637961	Gmdrm	hypo	CHH	-0.0106
Gm01	36641805	36642798	Gmdrm	hypo	CHH	-0.0181
Gm01	36657000	36657608	Gmdrm	hypo	CHH	-0.0275
Gm01	36696690	36697688	Gmdrm	hypo	CHH	-0.116
Gm01	36735144	36736143	Gmdrm	hypo	CHH	-0.0814
Gm01	36830216	36831214	Gmdrm	hypo	CHH	-0.371
Gm01	36832410	36833329	Gmdrm	hypo	CHH	-0.0814
Gm01	36833433	36834413	Gmdrm	hypo	CHH	-0.0489
Gm01	36847545	36848545	Gmdrm	hypo	CHH	-0.0323
Gm01	36864425	36864677	Gmdrm	hypo	CHH	-0.1026

Gm01	36953184	36954176	Gmdrm	hypo	CHH	-0.047
Gm01	36955776	36956771	Gmdrm	hypo	CHH	-0.0391
Gm01	36956791	36957669	Gmdrm	hypo	CHH	-0.0228
Gm01	36973345	36973445	Gmdrm	hypo	CHH	-0.21
Gm01	37041181	37042154	Gmdrm	hypo	CHH	-0.1608
Gm01	37056734	37057733	Gmdrm	hypo	CHH	-0.0414
Gm01	37059583	37060582	Gmdrm	hypo	CHH	-0.0691
Gm01	37084750	37085718	Gmdrm	hypo	CHH	-0.0485
Gm01	37097028	37098024	Gmdrm	hypo	CHH	-0.0466
Gm01	37103710	37104703	Gmdrm	hypo	CHH	-0.1052
Gm01	37181026	37181524	Gmdrm	hypo	CHH	-0.0587
Gm01	37228007	37228605	Gmdrm	hypo	CHH	-0.0906
Gm01	37320998	37321574	Gmdrm	hypo	CHH	-0.0341
Gm01	37328468	37329468	Gmdrm	hypo	CHH	-0.1019
Gm01	37329473	37330463	Gmdrm	hypo	CHH	-0.0838
Gm01	37338756	37338816	Gmdrm	hypo	CHH	-0.1067
Gm01	37339641	37340630	Gmdrm	hypo	CHH	-0.0631
Gm01	37344878	37345858	Gmdrm	hypo	CHH	-0.0158
Gm01	37372789	37373769	Gmdrm	hypo	CHH	-0.0305
Gm01	37377860	37378846	Gmdrm	hypo	CHH	-0.0118
Gm01	37380545	37381521	Gmdrm	hypo	CHH	-0.0571
Gm01	37384689	37384782	Gmdrm	hypo	CHH	-0.0241
Gm01	37385138	37385650	Gmdrm	hypo	CHH	-0.1067
Gm01	37387080	37388063	Gmdrm	hypo	CHH	-0.1174
Gm01	37400291	37401279	Gmdrm	hypo	CHH	-0.1519
Gm01	37407397	37408335	Gmdrm	hypo	CHH	-0.0453
Gm01	37418321	37419321	Gmdrm	hypo	CHH	-0.1312
Gm01	37429717	37430713	Gmdrm	hypo	CHH	-0.0338
Gm01	37430719	37430879	Gmdrm	hypo	CHH	-0.0771
Gm01	37432997	37433979	Gmdrm	hypo	CHH	-0.0499
Gm01	37481142	37482141	Gmdrm	hypo	CHH	-0.0231
Gm01	37483286	37484286	Gmdrm	hypo	CHH	-0.0346
Gm01	37484288	37484927	Gmdrm	hypo	CHH	-0.2558
Gm01	37486707	37487694	Gmdrm	hypo	CHH	-0.141
Gm01	37489391	37490058	Gmdrm	hypo	CHH	-0.0132
Gm01	37491169	37492166	Gmdrm	hypo	CHH	-0.0283
Gm01	37492179	37493146	Gmdrm	hypo	CHH	-0.0169
Gm01	37494214	37495104	Gmdrm	hypo	CHH	-0.0655
Gm01	37495249	37496247	Gmdrm	hypo	CHH	-0.0522
Gm01	37497274	37498249	Gmdrm	hypo	CHH	-0.085
Gm01	37543141	37544125	Gmdrm	hypo	CHH	-0.0331
Gm01	37544144	37545142	Gmdrm	hypo	CHH	-0.0861
Gm01	37545786	37546776	Gmdrm	hypo	CHH	-0.0376
Gm01	37552818	37553472	Gmdrm	hypo	CHH	-0.0277
Gm01	37553574	37554551	Gmdrm	hypo	CHH	-0.1468
Gm01	37570794	37571793	Gmdrm	hypo	CHH	-0.0395

Gm01	37571803	37572791	Gmdrm	hypo	CHH	-0.0966
Gm01	37572808	37573805	Gmdrm	hypo	CHH	-0.0962
Gm01	37573866	37574863	Gmdrm	hypo	CHH	-0.1259
Gm01	37575299	37576283	Gmdrm	hypo	CHH	-0.045
Gm01	37577364	37578349	Gmdrm	hypo	CHH	-0.0174
Gm01	37579426	37579823	Gmdrm	hypo	CHH	-0.0654
Gm01	37580224	37581222	Gmdrm	hypo	CHH	-0.0798
Gm01	37581227	37582225	Gmdrm	hypo	CHH	-0.1285
Gm01	37582257	37582966	Gmdrm	hypo	CHH	-0.1148
Gm01	37588501	37588673	Gmdrm	hypo	CHH	-0.0377
Gm01	37645894	37646874	Gmdrm	hypo	CHH	-0.0147
Gm01	37654453	37654906	Gmdrm	hypo	CHH	-0.0613
Gm01	37727870	37728824	Gmdrm	hypo	CHH	-0.129
Gm01	37728880	37729501	Gmdrm	hypo	CHH	-0.2429
Gm01	37755797	37756795	Gmdrm	hypo	CHH	-0.1958
Gm01	37756799	37757782	Gmdrm	hypo	CHH	-0.1186
Gm01	37766337	37767097	Gmdrm	hypo	CHH	-0.0923
Gm01	37864235	37864675	Gmdrm	hypo	CHH	-0.1812
Gm01	37872213	37873210	Gmdrm	hypo	CHH	-0.0188
Gm01	37880774	37881765	Gmdrm	hypo	CHH	-0.0184
Gm01	37881778	37882762	Gmdrm	hypo	CHH	-0.0149
Gm01	37882785	37883778	Gmdrm	hypo	CHH	-0.0117
Gm01	37887577	37888572	Gmdrm	hypo	CHH	-0.0433
Gm01	37888589	37889588	Gmdrm	hypo	CHH	-0.0446
Gm01	37892047	37893003	Gmdrm	hypo	CHH	-0.0293
Gm01	37893075	37894066	Gmdrm	hypo	CHH	-0.0306
Gm01	37895312	37895857	Gmdrm	hypo	CHH	-0.0273
Gm01	37898283	37899136	Gmdrm	hypo	CHH	-0.0533
Gm01	37902185	37903179	Gmdrm	hypo	CHH	-0.1359
Gm01	38026971	38027970	Gmdrm	hypo	CHH	-0.0243
Gm01	38056826	38057819	Gmdrm	hypo	CHH	-0.0463
Gm01	38060965	38061150	Gmdrm	hypo	CHH	-0.122
Gm01	38062747	38063727	Gmdrm	hypo	CHH	-0.0197
Gm01	38067785	38068769	Gmdrm	hypo	CHH	-0.0767
Gm01	38068800	38069493	Gmdrm	hypo	CHH	-0.0486
Gm01	38094483	38095471	Gmdrm	hypo	CHH	-0.0246
Gm01	38098488	38099483	Gmdrm	hypo	CHH	-0.0413
Gm01	38107182	38108113	Gmdrm	hypo	CHH	-0.0576
Gm01	38110293	38111291	Gmdrm	hypo	CHH	-0.0142
Gm01	38112310	38113310	Gmdrm	hypo	CHH	-0.0481
Gm01	38117370	38117767	Gmdrm	hypo	CHH	-0.0191
Gm01	38139332	38140330	Gmdrm	hypo	CHH	-0.0312
Gm01	38141353	38142352	Gmdrm	hypo	CHH	-0.0728
Gm01	38163834	38164712	Gmdrm	hypo	CHH	-0.0333
Gm01	38164864	38165842	Gmdrm	hypo	CHH	-0.2902
Gm01	38166888	38167886	Gmdrm	hypo	CHH	-0.0182

Gm01	38196987	38197912	Gmdrm	hypo	CHH	-0.0577
Gm01	38197998	38198995	Gmdrm	hypo	CHH	-0.0656
Gm01	38201018	38202010	Gmdrm	hypo	CHH	-0.0266
Gm01	38203069	38204068	Gmdrm	hypo	CHH	-0.02
Gm01	38204081	38205080	Gmdrm	hypo	CHH	-0.0953
Gm01	38209113	38209232	Gmdrm	hypo	CHH	-0.1153
Gm01	38210987	38211971	Gmdrm	hypo	CHH	-0.0445
Gm01	38211990	38212989	Gmdrm	hypo	CHH	-0.041
Gm01	38212993	38213989	Gmdrm	hypo	CHH	-0.0204
Gm01	38246782	38246965	Gmdrm	hypo	CHH	-0.0505
Gm01	38250676	38251673	Gmdrm	hypo	CHH	-0.0213
Gm01	38251678	38252675	Gmdrm	hypo	CHH	-0.0334
Gm01	38259389	38260389	Gmdrm	hypo	CHH	-0.0605
Gm01	38263187	38264150	Gmdrm	hypo	CHH	-0.021
Gm01	38264195	38265186	Gmdrm	hypo	CHH	-0.0753
Gm01	38265201	38265808	Gmdrm	hypo	CHH	-0.1828
Gm01	38278547	38279499	Gmdrm	hypo	CHH	-0.0393
Gm01	38281539	38282531	Gmdrm	hypo	CHH	-0.0273
Gm01	38282557	38283554	Gmdrm	hypo	CHH	-0.0292
Gm01	38331670	38332665	Gmdrm	hypo	CHH	-0.0367
Gm01	38332676	38333675	Gmdrm	hypo	CHH	-0.0459
Gm01	38344543	38345517	Gmdrm	hypo	CHH	-0.0363
Gm01	38345583	38346477	Gmdrm	hypo	CHH	-0.0505
Gm01	38352682	38352737	Gmdrm	hypo	CHH	-0.04
Gm01	38353935	38354780	Gmdrm	hypo	CHH	-0.0178
Gm01	38368109	38369108	Gmdrm	hypo	CHH	-0.0655
Gm01	38369117	38369633	Gmdrm	hypo	CHH	-0.0607
Gm01	38386111	38387107	Gmdrm	hypo	CHH	-0.0348
Gm01	38398454	38398652	Gmdrm	hypo	CHH	-0.3475
Gm01	38398872	38399866	Gmdrm	hypo	CHH	-0.107
Gm01	38401145	38402143	Gmdrm	hypo	CHH	-0.0313
Gm01	38409972	38410277	Gmdrm	hypo	CHH	-0.0746
Gm01	38413718	38414709	Gmdrm	hypo	CHH	-0.0206
Gm01	38417483	38418362	Gmdrm	hypo	CHH	-0.047
Gm01	38448010	38449004	Gmdrm	hypo	CHH	-0.023
Gm01	38449016	38449926	Gmdrm	hypo	CHH	-0.0248
Gm01	38570874	38571833	Gmdrm	hypo	CHH	-0.0215
Gm01	38573131	38573594	Gmdrm	hypo	CHH	-0.0758
Gm01	38587701	38588297	Gmdrm	hypo	CHH	-0.0249
Gm01	38588404	38589393	Gmdrm	hypo	CHH	-0.0577
Gm01	38592471	38593466	Gmdrm	hypo	CHH	-0.0167
Gm01	38596413	38597398	Gmdrm	hypo	CHH	-0.0598
Gm01	38609732	38610732	Gmdrm	hypo	CHH	-0.0147
Gm01	38612170	38613160	Gmdrm	hypo	CHH	-0.0509
Gm01	38636413	38637383	Gmdrm	hypo	CHH	-0.0206
Gm01	38656517	38656600	Gmdrm	hypo	CHH	-0.1075

Gm01	38685796	38686790	Gmdrm	hypo	CHH	-0.0394
Gm01	38876950	38877938	Gmdrm	hypo	CHH	-0.0139
Gm01	38881166	38882164	Gmdrm	hypo	CHH	-0.0145
Gm01	38882195	38883188	Gmdrm	hypo	CHH	-0.0539
Gm01	38883219	38884204	Gmdrm	hypo	CHH	-0.0358
Gm01	38885242	38886231	Gmdrm	hypo	CHH	-0.0299
Gm01	38890268	38891264	Gmdrm	hypo	CHH	-0.0254
Gm01	38892283	38893251	Gmdrm	hypo	CHH	-0.0508
Gm01	38929028	38929465	Gmdrm	hypo	CHH	-0.0581
Gm01	38929836	38930836	Gmdrm	hypo	CHH	-0.1678
Gm01	38930846	38931823	Gmdrm	hypo	CHH	-0.1803
Gm01	38931850	38932828	Gmdrm	hypo	CHH	-0.1431
Gm01	38938527	38939518	Gmdrm	hypo	CHH	-0.1719
Gm01	38946476	38947473	Gmdrm	hypo	CHH	-0.0121
Gm01	38948483	38949476	Gmdrm	hypo	CHH	-0.0508
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Gm01	39005027	39006024	Gmdrm	hypo	CHH	-0.0543
Gm01	39065838	39066827	Gmdrm	hypo	CHH	-0.0252
Gm01	39142538	39143121	Gmdrm	hypo	CHH	-0.0966
Gm01	39143356	39143465	Gmdrm	hypo	CHH	-0.1938
Gm01	39143568	39144567	Gmdrm	hypo	CHH	-0.0651
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Gm01	39188045	39188389	Gmdrm	hypo	CHH	-0.1277
Gm01	39197120	39198120	Gmdrm	hypo	CHH	-0.0831
Gm01	39203505	39204498	Gmdrm	hypo	CHH	-0.116
Gm01	39204508	39205483	Gmdrm	hypo	CHH	-0.1418
Gm01	39210783	39211778	Gmdrm	hypo	CHH	-0.0504
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Gm01	39218819	39219813	Gmdrm	hypo	CHH	-0.0221
Gm01	39219820	39220812	Gmdrm	hypo	CHH	-0.1467
Gm01	39240314	39241281	Gmdrm	hypo	CHH	-0.0361
Gm01	39281004	39281897	Gmdrm	hypo	CHH	-0.2171
Gm01	39282004	39283000	Gmdrm	hypo	CHH	-0.0536
Gm01	39283014	39284006	Gmdrm	hypo	CHH	-0.1389
Gm01	39291800	39292779	Gmdrm	hypo	CHH	-0.0333
Gm01	39294809	39295809	Gmdrm	hypo	CHH	-0.0229
Gm01	39295811	39296799	Gmdrm	hypo	CHH	-0.0815
Gm01	39297226	39298223	Gmdrm	hypo	CHH	-0.0747
Gm01	39298227	39299216	Gmdrm	hypo	CHH	-0.0592
Gm01	39299230	39299940	Gmdrm	hypo	CHH	-0.0401
Gm01	39301300	39302284	Gmdrm	hypo	CHH	-0.0796
Gm01	39336682	39337663	Gmdrm	hypo	CHH	-0.0291

Gm01	39364632	39365616 Gmdrm	hypo	CHH	-0.0403
Gm01	39396683	39396993 Gmdrm	hypo	CHH	-0.0831
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Gm01	39484826	39485785 Gmdrm	hypo	CHH	-0.028
Gm01	39486938	39487207 Gmdrm	hypo	CHH	-0.0472
Gm01	39487618	39488609 Gmdrm	hypo	CHH	-0.0225
Gm01	39495471	39495552 Gmdrm	hypo	CHH	-0.024
Gm01	39495663	39496376 Gmdrm	hypo	CHH	-0.0161
Gm01	39508336	39509336 Gmdrm	hypo	CHH	-0.0261
Gm01	39509338	39510333 Gmdrm	hypo	CHH	-0.0271
Gm01	39511404	39512114 Gmdrm	hypo	CHH	-0.0343
Gm01	39514870	39515832 Gmdrm	hypo	CHH	-0.0303
Gm01	39612370	39613366 Gmdrm	hypo	CHH	-0.0375
Gm01	39819679	39820636 Gmdrm	hypo	CHH	-0.0198
Gm01	39826050	39827039 Gmdrm	hypo	CHH	-0.3127
Gm01	39829215	39830111 Gmdrm	hypo	CHH	-0.0518
Gm01	39875163	39876159 Gmdrm	hypo	CHH	-0.072
Gm01	39876180	39877148 Gmdrm	hypo	CHH	-0.1863
Gm01	39881858	39882856 Gmdrm	hypo	CHH	-0.044
Gm01	39903215	39904191 Gmdrm	hypo	CHH	-0.0311
Gm01	39904401	39905365 Gmdrm	hypo	CHH	-0.0267
Gm01	39908273	39909243 Gmdrm	hypo	CHH	-0.0604
Gm01	39910874	39911867 Gmdrm	hypo	CHH	-0.0497
Gm01	40131506	40132504 Gmdrm	hypo	CHH	-0.0364
Gm01	40136080	40136731 Gmdrm	hypo	CHH	-0.0455
Gm01	40138161	40139154 Gmdrm	hypo	CHH	-0.018
Gm01	40163032	40164025 Gmdrm	hypo	CHH	-0.0143
Gm01	40164042	40165040 Gmdrm	hypo	CHH	-0.0311
Gm01	40165045	40166044 Gmdrm	hypo	CHH	-0.0391
Gm01	40166050	40166485 Gmdrm	hypo	CHH	-0.0497
Gm01	40166654	40167116 Gmdrm	hypo	CHH	-0.0983
Gm01	40223401	40224371 Gmdrm	hypo	CHH	-0.0326
Gm01	40226586	40227579 Gmdrm	hypo	CHH	-0.0415
Gm01	40244979	40245973 Gmdrm	hypo	CHH	-0.0364
Gm01	40259677	40259739 Gmdrm	hypo	CHH	-0.096
Gm01	40296718	40297717 Gmdrm	hypo	CHH	-0.0788
Gm01	40297721	40298125 Gmdrm	hypo	CHH	-0.0595
Gm01	40302793	40303341 Gmdrm	hypo	CHH	-0.0977
Gm01	40303710	40304497 Gmdrm	hypo	CHH	-0.1453
Gm01	40304798	40305794 Gmdrm	hypo	CHH	-0.0324
Gm01	40305800	40306762 Gmdrm	hypo	CHH	-0.0915
Gm01	40307843	40308835 Gmdrm	hypo	CHH	-0.053
Gm01	40313473	40314454 Gmdrm	hypo	CHH	-0.0317
Gm01	40517999	40518975 Gmdrm	hypo	CHH	-0.0313
Gm01	40536473	40537473 Gmdrm	hypo	CHH	-0.0352
Gm01	40544599	40545593 Gmdrm	hypo	CHH	-0.0401

Gm01	40545600	40546599	Gmdrm	hypo	CHH	-0.1471
Gm01	40550718	40551716	Gmdrm	hypo	CHH	-0.0649
Gm01	40551719	40552693	Gmdrm	hypo	CHH	-0.0832
Gm01	40556813	40557551	Gmdrm	hypo	CHH	-0.04
Gm01	40597399	40598363	Gmdrm	hypo	CHH	-0.0504
Gm01	40625170	40626169	Gmdrm	hypo	CHH	-0.0645
Gm01	40626174	40626925	Gmdrm	hypo	CHH	-0.1206
Gm01	40629671	40630658	Gmdrm	hypo	CHH	-0.196
Gm01	40640409	40641398	Gmdrm	hypo	CHH	-0.0474
Gm01	40642511	40643501	Gmdrm	hypo	CHH	-0.025
Gm01	40652518	40653516	Gmdrm	hypo	CHH	-0.1846
Gm01	40653521	40654519	Gmdrm	hypo	CHH	-0.0798
Gm01	40654527	40655521	Gmdrm	hypo	CHH	-0.0235
Gm01	40659556	40660527	Gmdrm	hypo	CHH	-0.0287
Gm01	40660567	40661557	Gmdrm	hypo	CHH	-0.0478
Gm01	40695051	40696050	Gmdrm	hypo	CHH	-0.0299
Gm01	40696056	40697004	Gmdrm	hypo	CHH	-0.0161
Gm01	40699088	40699855	Gmdrm	hypo	CHH	-0.0224
Gm01	40711574	40712150	Gmdrm	hypo	CHH	-0.3773
Gm01	40722789	40723770	Gmdrm	hypo	CHH	-0.0192
Gm01	40726856	40727851	Gmdrm	hypo	CHH	-0.0183
Gm01	40747548	40748547	Gmdrm	hypo	CHH	-0.0914
Gm01	40748550	40749336	Gmdrm	hypo	CHH	-0.076
Gm01	40749653	40750190	Gmdrm	hypo	CHH	-0.0223
Gm01	40753695	40754681	Gmdrm	hypo	CHH	-0.0594
Gm01	40755737	40756732	Gmdrm	hypo	CHH	-0.0271
Gm01	40796914	40797911	Gmdrm	hypo	CHH	-0.0396
Gm01	40927919	40928903	Gmdrm	hypo	CHH	-0.0171
Gm01	40950984	40951069	Gmdrm	hypo	CHH	-0.1806
Gm01	41053608	41054306	Gmdrm	hypo	CHH	-0.0661
Gm01	41054898	41055898	Gmdrm	hypo	CHH	-0.2019
Gm01	41055904	41056901	Gmdrm	hypo	CHH	-0.1079
Gm01	41059621	41060278	Gmdrm	hypo	CHH	-0.0514
Gm01	41061416	41062416	Gmdrm	hypo	CHH	-0.0759
Gm01	41195635	41196629	Gmdrm	hypo	CHH	-0.0515
Gm01	41228359	41229139	Gmdrm	hypo	CHH	-0.0158
Gm01	41231401	41231876	Gmdrm	hypo	CHH	-0.0235
Gm01	41252297	41253296	Gmdrm	hypo	CHH	-0.0349
Gm01	41265546	41266536	Gmdrm	hypo	CHH	-0.0549
Gm01	41278705	41279694	Gmdrm	hypo	CHH	-0.0864
Gm01	41297329	41298305	Gmdrm	hypo	CHH	-0.013
Gm01	41299656	41299939	Gmdrm	hypo	CHH	-0.05
Gm01	41300661	41301651	Gmdrm	hypo	CHH	-0.0601
Gm01	41312424	41312437	Gmdrm	hypo	CHH	-0.3
Gm01	41318820	41319501	Gmdrm	hypo	CHH	-0.083
Gm01	41320718	41321699	Gmdrm	hypo	CHH	-0.0385

Gm01	41324613	41325607 Gmdrm	hypo	CHH	-0.0365
Gm01	41325620	41326435 Gmdrm	hypo	CHH	-0.028
Gm01	41327476	41328412 Gmdrm	hypo	CHH	-0.0406
Gm01	41329354	41330350 Gmdrm	hypo	CHH	-0.025
Gm01	41334331	41335330 Gmdrm	hypo	CHH	-0.0515
Gm01	41346935	41347912 Gmdrm	hypo	CHH	-0.052
Gm01	41355692	41356690 Gmdrm	hypo	CHH	-0.1377
Gm01	41360963	41361945 Gmdrm	hypo	CHH	-0.0679
Gm01	41363039	41364017 Gmdrm	hypo	CHH	-0.0612
Gm01	41365250	41366250 Gmdrm	hypo	CHH	-0.0158
Gm01	41366257	41367046 Gmdrm	hypo	CHH	-0.0531
Gm01	41367186	41367951 Gmdrm	hypo	CHH	-0.0636
Gm01	41378057	41379049 Gmdrm	hypo	CHH	-0.0709
Gm01	41382085	41383082 Gmdrm	hypo	CHH	-0.0842
Gm01	41383099	41384096 Gmdrm	hypo	CHH	-0.0533
Gm01	41384102	41385098 Gmdrm	hypo	CHH	-0.0558
Gm01	41385114	41385489 Gmdrm	hypo	CHH	-0.0397
Gm01	41399720	41400716 Gmdrm	hypo	CHH	-0.04
Gm01	41416781	41417763 Gmdrm	hypo	CHH	-0.0276
Gm01	41418800	41419786 Gmdrm	hypo	CHH	-0.0511
Gm01	41419835	41420817 Gmdrm	hypo	CHH	-0.0587
Gm01	41421654	41422651 Gmdrm	hypo	CHH	-0.0232
Gm01	41422678	41423669 Gmdrm	hypo	CHH	-0.0457
Gm01	41445014	41446000 Gmdrm	hypo	CHH	-0.0345
Gm01	41452738	41453704 Gmdrm	hypo	CHH	-0.0226
Gm01	41453739	41454084 Gmdrm	hypo	CHH	-0.0384
Gm01	41455215	41455629 Gmdrm	hypo	CHH	-0.042
Gm01	41455832	41456831 Gmdrm	hypo	CHH	-0.0602
Gm01	41456837	41457836 Gmdrm	hypo	CHH	-0.0617
Gm01	41457842	41458841 Gmdrm	hypo	CHH	-0.0618
Gm01	41458847	41459840 Gmdrm	hypo	CHH	-0.0806
Gm01	41459848	41460848 Gmdrm	hypo	CHH	-0.044
Gm01	41460849	41461848 Gmdrm	hypo	CHH	-0.0785
Gm01	41461852	41462840 Gmdrm	hypo	CHH	-0.0121
Gm01	41466896	41467894 Gmdrm	hypo	CHH	-0.1184
Gm01	41475628	41476617 Gmdrm	hypo	CHH	-0.0341
Gm01	41520820	41521812 Gmdrm	hypo	CHH	-0.0413
Gm01	41521830	41522508 Gmdrm	hypo	CHH	-0.0671
Gm01	41532140	41533139 Gmdrm	hypo	CHH	-0.1521
Gm01	41533141	41534106 Gmdrm	hypo	CHH	-0.0529
Gm01	41538066	41539066 Gmdrm	hypo	CHH	-0.4291
Gm01	41539069	41540054 Gmdrm	hypo	CHH	-0.1378
Gm01	41549083	41550081 Gmdrm	hypo	CHH	-0.0514
Gm01	41550084	41551077 Gmdrm	hypo	CHH	-0.0475
Gm01	41551128	41551824 Gmdrm	hypo	CHH	-0.0388
Gm01	41580241	41581233 Gmdrm	hypo	CHH	-0.1492

Gm01	41633960	41634958	Gmdrm	hypo	CHH	-0.1159
Gm01	41634961	41635961	Gmdrm	hypo	CHH	-0.0202
Gm01	41655523	41656516	Gmdrm	hypo	CHH	-0.0437
Gm01	41673112	41674044	Gmdrm	hypo	CHH	-0.1171
Gm01	41676305	41676489	Gmdrm	hypo	CHH	-0.0287
Gm01	41677873	41678869	Gmdrm	hypo	CHH	-0.0975
Gm01	41718856	41719830	Gmdrm	hypo	CHH	-0.0351
Gm01	41724615	41724854	Gmdrm	hypo	CHH	-0.0922
Gm01	41737751	41738747	Gmdrm	hypo	CHH	-0.0158
Gm01	41792967	41793650	Gmdrm	hypo	CHH	-0.0204
Gm01	41804930	41805928	Gmdrm	hypo	CHH	-0.1262
Gm01	41805938	41806921	Gmdrm	hypo	CHH	-0.0642
Gm01	41806961	41807933	Gmdrm	hypo	CHH	-0.0224
Gm01	41824665	41825661	Gmdrm	hypo	CHH	-0.02
Gm01	41829405	41830397	Gmdrm	hypo	CHH	-0.0288
Gm01	41833155	41833432	Gmdrm	hypo	CHH	-0.0677
Gm01	41845065	41846063	Gmdrm	hypo	CHH	-0.026
Gm01	41846072	41847070	Gmdrm	hypo	CHH	-0.0344
Gm01	41847075	41848055	Gmdrm	hypo	CHH	-0.0162
Gm01	41848099	41849096	Gmdrm	hypo	CHH	-0.0114
Gm01	41849108	41850100	Gmdrm	hypo	CHH	-0.1279
Gm01	41850111	41851110	Gmdrm	hypo	CHH	-0.0153
Gm01	41891379	41891483	Gmdrm	hypo	CHH	-0.045
Gm01	41895775	41896773	Gmdrm	hypo	CHH	-0.0852
Gm01	41896776	41897760	Gmdrm	hypo	CHH	-0.1402
Gm01	41903527	41904520	Gmdrm	hypo	CHH	-0.1715
Gm01	41904538	41905174	Gmdrm	hypo	CHH	-0.2817
Gm01	41905285	41906276	Gmdrm	hypo	CHH	-0.0188
Gm01	41941698	41942636	Gmdrm	hypo	CHH	-0.0177
Gm01	41962549	41963538	Gmdrm	hypo	CHH	-0.0164
Gm01	41964114	41965094	Gmdrm	hypo	CHH	-0.0213
Gm01	41965119	41966106	Gmdrm	hypo	CHH	-0.0354
Gm01	41996470	41997375	Gmdrm	hypo	CHH	-0.0239
Gm01	41998522	41998652	Gmdrm	hypo	CHH	-0.05
Gm01	42020915	42021911	Gmdrm	hypo	CHH	-0.136
Gm01	42022960	42023952	Gmdrm	hypo	CHH	-0.0308
Gm01	42027558	42028553	Gmdrm	hypo	CHH	-0.0101
Gm01	42034056	42035056	Gmdrm	hypo	CHH	-0.0351
Gm01	42035062	42035146	Gmdrm	hypo	CHH	-0.097
Gm01	42035285	42036281	Gmdrm	hypo	CHH	-0.0589
Gm01	42036862	42037860	Gmdrm	hypo	CHH	-0.0726
Gm01	42037871	42038007	Gmdrm	hypo	CHH	-0.1188
Gm01	42038293	42038730	Gmdrm	hypo	CHH	-0.186
Gm01	42038863	42039150	Gmdrm	hypo	CHH	-0.0447
Gm01	42043535	42044434	Gmdrm	hypo	CHH	-0.0215
Gm01	42046571	42046993	Gmdrm	hypo	CHH	-0.0575

Gm01	42060360	42061337	Gmdrm	hypo	CHH	-0.0153
Gm01	42061368	42062356	Gmdrm	hypo	CHH	-0.0244
Gm01	42363488	42364255	Gmdrm	hypo	CHH	-0.0185
Gm01	42366360	42367344	Gmdrm	hypo	CHH	-0.0359
Gm01	42368405	42369405	Gmdrm	hypo	CHH	-0.0344
Gm01	42390595	42391581	Gmdrm	hypo	CHH	-0.0386
Gm01	42412337	42413337	Gmdrm	hypo	CHH	-0.0328
Gm01	42413340	42414335	Gmdrm	hypo	CHH	-0.03
Gm01	42425866	42425994	Gmdrm	hypo	CHH	-0.1106
Gm01	42430177	42431171	Gmdrm	hypo	CHH	-0.0194
Gm01	42436248	42437218	Gmdrm	hypo	CHH	-0.0159
Gm01	42438776	42439656	Gmdrm	hypo	CHH	-0.0159
Gm01	42455518	42456518	Gmdrm	hypo	CHH	-0.0122
Gm01	42456553	42457544	Gmdrm	hypo	CHH	-0.0187
Gm01	42502735	42503733	Gmdrm	hypo	CHH	-0.1002
Gm01	42503739	42504708	Gmdrm	hypo	CHH	-0.0811
Gm01	42504822	42505822	Gmdrm	hypo	CHH	-0.2637
Gm01	42505823	42506822	Gmdrm	hypo	CHH	-0.2404
Gm01	42506825	42507822	Gmdrm	hypo	CHH	-0.0884
Gm01	42512891	42513861	Gmdrm	hypo	CHH	-0.2203
Gm01	42531042	42532022	Gmdrm	hypo	CHH	-0.0362
Gm01	42534040	42535007	Gmdrm	hypo	CHH	-0.0266
Gm01	42708986	42709977	Gmdrm	hypo	CHH	-0.0338
Gm01	42773037	42773387	Gmdrm	hypo	CHH	-0.1616
Gm01	42890041	42891033	Gmdrm	hypo	CHH	-0.1301
Gm01	42891042	42892019	Gmdrm	hypo	CHH	-0.0745
Gm01	42916165	42917150	Gmdrm	hypo	CHH	-0.0169
Gm01	42933362	42934340	Gmdrm	hypo	CHH	-0.034
Gm01	42942073	42943066	Gmdrm	hypo	CHH	-0.045
Gm01	42946355	42947346	Gmdrm	hypo	CHH	-0.068
Gm01	42947366	42948357	Gmdrm	hypo	CHH	-0.0632
Gm01	42951396	42951645	Gmdrm	hypo	CHH	-0.0488
Gm01	42952809	42953795	Gmdrm	hypo	CHH	-0.0305
Gm01	42953812	42954807	Gmdrm	hypo	CHH	-0.115
Gm01	42955346	42956320	Gmdrm	hypo	CHH	-0.2742
Gm01	42975415	42976414	Gmdrm	hypo	CHH	-0.027
Gm01	42976420	42977416	Gmdrm	hypo	CHH	-0.0395
Gm01	42977423	42978411	Gmdrm	hypo	CHH	-0.0369
Gm01	42981909	42982891	Gmdrm	hypo	CHH	-0.0208
Gm01	42993287	42994287	Gmdrm	hypo	CHH	-0.019
Gm01	42998681	42999593	Gmdrm	hypo	CHH	-0.0309
Gm01	43003901	43004886	Gmdrm	hypo	CHH	-0.03
Gm01	43005021	43005133	Gmdrm	hypo	CHH	-0.0289
Gm01	43005262	43005403	Gmdrm	hypo	CHH	-0.0559
Gm01	43006769	43007768	Gmdrm	hypo	CHH	-0.0234
Gm01	43007771	43008771	Gmdrm	hypo	CHH	-0.0504

Gm01	43101721	43102710	Gmdrm	hypo	CHH	-0.0614
Gm01	43102725	43103628	Gmdrm	hypo	CHH	-0.0623
Gm01	43105055	43106054	Gmdrm	hypo	CHH	-0.0139
Gm01	43106077	43107072	Gmdrm	hypo	CHH	-0.0194
Gm01	43113297	43114293	Gmdrm	hypo	CHH	-0.0502
Gm01	43118694	43119694	Gmdrm	hypo	CHH	-0.054
Gm01	43130403	43131403	Gmdrm	hypo	CHH	-0.0114
Gm01	43146069	43147056	Gmdrm	hypo	CHH	-0.06
Gm01	43147071	43148065	Gmdrm	hypo	CHH	-0.0489
Gm01	43148074	43149056	Gmdrm	hypo	CHH	-0.026
Gm01	43149101	43150087	Gmdrm	hypo	CHH	-0.0143
Gm01	43278415	43278518	Gmdrm	hypo	CHH	-0.21
Gm01	43337065	43337080	Gmdrm	hypo	CHH	-0.206
Gm01	43366493	43367477	Gmdrm	hypo	CHH	-0.0546
Gm01	43367507	43368502	Gmdrm	hypo	CHH	-0.0381
Gm01	43368517	43369514	Gmdrm	hypo	CHH	-0.1132
Gm01	43369523	43370485	Gmdrm	hypo	CHH	-0.0312
Gm01	43370539	43371536	Gmdrm	hypo	CHH	-0.0802
Gm01	43371547	43372504	Gmdrm	hypo	CHH	-0.0351
Gm01	43375343	43376325	Gmdrm	hypo	CHH	-0.025
Gm01	43404484	43405484	Gmdrm	hypo	CHH	-0.0309
Gm01	43432999	43433684	Gmdrm	hypo	CHH	-0.0184
Gm01	43433836	43434827	Gmdrm	hypo	CHH	-0.2025
Gm01	43582379	43583374	Gmdrm	hypo	CHH	-0.052
Gm01	43624457	43625450	Gmdrm	hypo	CHH	-0.0231
Gm01	43625462	43625841	Gmdrm	hypo	CHH	-0.0335
Gm01	43638960	43639939	Gmdrm	hypo	CHH	-0.1029
Gm01	43639974	43640265	Gmdrm	hypo	CHH	-0.2299
Gm01	43647397	43648390	Gmdrm	hypo	CHH	-0.0734
Gm01	43659798	43660798	Gmdrm	hypo	CHH	-0.0385
Gm01	43808008	43808212	Gmdrm	hypo	CHH	-0.0429
Gm01	43831969	43832087	Gmdrm	hypo	CHH	-0.0371
Gm01	43838059	43839021	Gmdrm	hypo	CHH	-0.0159
Gm01	43871035	43871991	Gmdrm	hypo	CHH	-0.0367
Gm01	43887024	43888023	Gmdrm	hypo	CHH	-0.0193
Gm01	43932155	43933134	Gmdrm	hypo	CHH	-0.0532
Gm01	43933916	43934839	Gmdrm	hypo	CHH	-0.0821
Gm01	43955683	43956674	Gmdrm	hypo	CHH	-0.0264
Gm01	43988545	43989540	Gmdrm	hypo	CHH	-0.0385
Gm01	43990562	43991560	Gmdrm	hypo	CHH	-0.0384
Gm01	44004620	44005588	Gmdrm	hypo	CHH	-0.0779
Gm01	44012858	44013814	Gmdrm	hypo	CHH	-0.0609
Gm01	44018167	44018797	Gmdrm	hypo	CHH	-0.199
Gm01	44019069	44019189	Gmdrm	hypo	CHH	-0.158
Gm01	44019324	44020315	Gmdrm	hypo	CHH	-0.0599
Gm01	44024186	44024357	Gmdrm	hypo	CHH	-0.1374

Gm01	44024663	44025657 Gmdrm	hypo	CHH	-0.0353
Gm01	44028716	44029708 Gmdrm	hypo	CHH	-0.139
Gm01	44029730	44030685 Gmdrm	hypo	CHH	-0.108
Gm01	44040644	44041643 Gmdrm	hypo	CHH	-0.1675
Gm01	44072396	44073393 Gmdrm	hypo	CHH	-0.2146
Gm01	44077385	44078105 Gmdrm	hypo	CHH	-0.1907
Gm01	44079415	44080385 Gmdrm	hypo	CHH	-0.0659
Gm01	44082452	44083435 Gmdrm	hypo	CHH	-0.0306
Gm01	44090243	44091216 Gmdrm	hypo	CHH	-0.0801
Gm01	44101172	44102169 Gmdrm	hypo	CHH	-0.0405
Gm01	44103988	44104985 Gmdrm	hypo	CHH	-0.1594
Gm01	44121731	44122727 Gmdrm	hypo	CHH	-0.0424
Gm01	44175834	44176827 Gmdrm	hypo	CHH	-0.0248
Gm01	44178765	44179698 Gmdrm	hypo	CHH	-0.0316
Gm01	44179770	44180764 Gmdrm	hypo	CHH	-0.0154
Gm01	44180772	44181729 Gmdrm	hypo	CHH	-0.0227
Gm01	44185607	44186607 Gmdrm	hypo	CHH	-0.1326
Gm01	44186611	44187583 Gmdrm	hypo	CHH	-0.0212
Gm01	44197824	44198819 Gmdrm	hypo	CHH	-0.0124
Gm01	44226284	44227281 Gmdrm	hypo	CHH	-0.0602
Gm01	44227286	44228283 Gmdrm	hypo	CHH	-0.0275
Gm01	44245740	44246734 Gmdrm	hypo	CHH	-0.0179
Gm01	44246764	44247733 Gmdrm	hypo	CHH	-0.0696
Gm01	44264992	44265991 Gmdrm	hypo	CHH	-0.0838
Gm01	44265993	44266987 Gmdrm	hypo	CHH	-0.0255
Gm01	44267497	44268495 Gmdrm	hypo	CHH	-0.0238
Gm01	44268498	44268893 Gmdrm	hypo	CHH	-0.025
Gm01	44277629	44278057 Gmdrm	hypo	CHH	-0.031
Gm01	44280218	44281167 Gmdrm	hypo	CHH	-0.0972
Gm01	44283352	44284344 Gmdrm	hypo	CHH	-0.0917
Gm01	44288560	44289556 Gmdrm	hypo	CHH	-0.0503
Gm01	44313050	44313729 Gmdrm	hypo	CHH	-0.0428
Gm01	44320880	44321277 Gmdrm	hypo	CHH	-0.1642
Gm01	44342341	44343341 Gmdrm	hypo	CHH	-0.1511
Gm01	44496572	44497568 Gmdrm	hypo	CHH	-0.0269
Gm01	44504977	44505950 Gmdrm	hypo	CHH	-0.0352
Gm01	44542714	44543712 Gmdrm	hypo	CHH	-0.193
Gm01	44578438	44579430 Gmdrm	hypo	CHH	-0.1657
Gm01	44584137	44584455 Gmdrm	hypo	CHH	-0.0754
Gm01	44584958	44585956 Gmdrm	hypo	CHH	-0.1869
Gm01	44585961	44586362 Gmdrm	hypo	CHH	-0.1966
Gm01	44611392	44612381 Gmdrm	hypo	CHH	-0.0195
Gm01	44614661	44615661 Gmdrm	hypo	CHH	-0.0481
Gm01	44655935	44656935 Gmdrm	hypo	CHH	-0.1504
Gm01	44657059	44658055 Gmdrm	hypo	CHH	-0.0286
Gm01	44672625	44673124 Gmdrm	hypo	CHH	-0.0192

Gm01	44674179	44675151 Gmdrm	hypo	CHH	-0.0195
Gm01	44675213	44676210 Gmdrm	hypo	CHH	-0.0215
Gm01	44683263	44684258 Gmdrm	hypo	CHH	-0.1488
Gm01	44697054	44698042 Gmdrm	hypo	CHH	-0.0357
Gm01	44702491	44702540 Gmdrm	hypo	CHH	-0.0483
Gm01	44706020	44707017 Gmdrm	hypo	CHH	-0.0532
Gm01	44794681	44795669 Gmdrm	hypo	CHH	-0.024
Gm01	44798847	44799830 Gmdrm	hypo	CHH	-0.0142
Gm01	44805933	44805966 Gmdrm	hypo	CHH	-0.044
Gm01	44817687	44818679 Gmdrm	hypo	CHH	-0.0374
Gm01	44818713	44819646 Gmdrm	hypo	CHH	-0.0151
Gm01	44880941	44881934 Gmdrm	hypo	CHH	-0.028
Gm01	44881950	44882937 Gmdrm	hypo	CHH	-0.0386
Gm01	44884977	44885965 Gmdrm	hypo	CHH	-0.0548
Gm01	44907122	44908068 Gmdrm	hypo	CHH	-0.142
Gm01	44908647	44909406 Gmdrm	hypo	CHH	-0.0262
Gm01	44912104	44913098 Gmdrm	hypo	CHH	-0.054
Gm01	44913109	44914080 Gmdrm	hypo	CHH	-0.024
Gm01	44938745	44939742 Gmdrm	hypo	CHH	-0.0216
Gm01	44940088	44940477 Gmdrm	hypo	CHH	-0.0488
Gm01	44972021	44973011 Gmdrm	hypo	CHH	-0.0706
Gm01	44973030	44974018 Gmdrm	hypo	CHH	-0.0231
Gm01	44974048	44975030 Gmdrm	hypo	CHH	-0.0118
Gm01	44990346	44991338 Gmdrm	hypo	CHH	-0.1054
Gm01	44992049	44993040 Gmdrm	hypo	CHH	-0.3969
Gm01	44995071	44996068 Gmdrm	hypo	CHH	-0.2836
Gm01	44998119	44999119 Gmdrm	hypo	CHH	-0.1313
Gm01	44999123	45000119 Gmdrm	hypo	CHH	-0.0711
Gm01	45000129	45001125 Gmdrm	hypo	CHH	-0.0565
Gm01	45004200	45005188 Gmdrm	hypo	CHH	-0.1043
Gm01	45008556	45009541 Gmdrm	hypo	CHH	-0.0837
Gm01	45009580	45010580 Gmdrm	hypo	CHH	-0.0469
Gm01	45011596	45012590 Gmdrm	hypo	CHH	-0.0517
Gm01	45026399	45027311 Gmdrm	hypo	CHH	-0.0148
Gm01	45028164	45029164 Gmdrm	hypo	CHH	-0.0477
Gm01	45034239	45035231 Gmdrm	hypo	CHH	-0.0453
Gm01	45041936	45042066 Gmdrm	hypo	CHH	-0.0236
Gm01	45049732	45050731 Gmdrm	hypo	CHH	-0.0287
Gm01	45070833	45071821 Gmdrm	hypo	CHH	-0.0345
Gm01	45097181	45098100 Gmdrm	hypo	CHH	-0.0581
Gm01	45101103	45101266 Gmdrm	hypo	CHH	-0.0578
Gm01	45105977	45106970 Gmdrm	hypo	CHH	-0.053
Gm01	45114513	45115496 Gmdrm	hypo	CHH	-0.0277
Gm01	45116525	45117167 Gmdrm	hypo	CHH	-0.2502
Gm01	45118357	45119292 Gmdrm	hypo	CHH	-0.018
Gm01	45129680	45130651 Gmdrm	hypo	CHH	-0.0794

Gm01	45130689	45131258	Gmdrm	hypo	CHH	-0.073
Gm01	45134044	45135029	Gmdrm	hypo	CHH	-0.0834
Gm01	45135124	45135640	Gmdrm	hypo	CHH	-0.025
Gm01	45136805	45137781	Gmdrm	hypo	CHH	-0.0916
Gm01	45137822	45138805	Gmdrm	hypo	CHH	-0.2433
Gm01	45144301	45145288	Gmdrm	hypo	CHH	-0.0198
Gm01	45146355	45147203	Gmdrm	hypo	CHH	-0.0759
Gm01	45159895	45160886	Gmdrm	hypo	CHH	-0.1275
Gm01	45164796	45165794	Gmdrm	hypo	CHH	-0.1048
Gm01	45166811	45167802	Gmdrm	hypo	CHH	-0.163
Gm01	45171591	45172591	Gmdrm	hypo	CHH	-0.0174
Gm01	45180429	45181426	Gmdrm	hypo	CHH	-0.0678
Gm01	45181437	45182416	Gmdrm	hypo	CHH	-0.0548
Gm01	45189347	45190344	Gmdrm	hypo	CHH	-0.049
Gm01	45190353	45190643	Gmdrm	hypo	CHH	-0.1323
Gm01	45190822	45191815	Gmdrm	hypo	CHH	-0.0487
Gm01	45191829	45192828	Gmdrm	hypo	CHH	-0.093
Gm01	45192836	45193818	Gmdrm	hypo	CHH	-0.062
Gm01	45193845	45194844	Gmdrm	hypo	CHH	-0.0543
Gm01	45194847	45195847	Gmdrm	hypo	CHH	-0.0574
Gm01	45195850	45196840	Gmdrm	hypo	CHH	-0.0442
Gm01	45203921	45204919	Gmdrm	hypo	CHH	-0.1051
Gm01	45207000	45207997	Gmdrm	hypo	CHH	-0.0286
Gm01	45208001	45208998	Gmdrm	hypo	CHH	-0.0651
Gm01	45214072	45214928	Gmdrm	hypo	CHH	-0.0172
Gm01	45220250	45221250	Gmdrm	hypo	CHH	-0.1484
Gm01	45221253	45221738	Gmdrm	hypo	CHH	-0.0482
Gm01	45221850	45222844	Gmdrm	hypo	CHH	-0.0231
Gm01	45223908	45224899	Gmdrm	hypo	CHH	-0.0944
Gm01	45239208	45240204	Gmdrm	hypo	CHH	-0.05
Gm01	45245276	45246274	Gmdrm	hypo	CHH	-0.043
Gm01	45246277	45247266	Gmdrm	hypo	CHH	-0.0456
Gm01	45251359	45252340	Gmdrm	hypo	CHH	-0.0274
Gm01	45254798	45255790	Gmdrm	hypo	CHH	-0.0498
Gm01	45276112	45277112	Gmdrm	hypo	CHH	-0.0434
Gm01	45277113	45278093	Gmdrm	hypo	CHH	-0.056
Gm01	45279137	45280129	Gmdrm	hypo	CHH	-0.0139
Gm01	45283192	45284187	Gmdrm	hypo	CHH	-0.0132
Gm01	45304130	45305124	Gmdrm	hypo	CHH	-0.0402
Gm01	45308425	45309424	Gmdrm	hypo	CHH	-0.1082
Gm01	45324794	45325772	Gmdrm	hypo	CHH	-0.0133
Gm01	45326826	45327794	Gmdrm	hypo	CHH	-0.014
Gm01	45327839	45328827	Gmdrm	hypo	CHH	-0.0205
Gm01	45339063	45340046	Gmdrm	hypo	CHH	-0.0124
Gm01	45340068	45341049	Gmdrm	hypo	CHH	-0.0734
Gm01	45359337	45360305	Gmdrm	hypo	CHH	-0.0254

Gm01	45360892	45361665	Gmdrm	hypo	CHH	-0.0278
Gm01	45386276	45387170	Gmdrm	hypo	CHH	-0.0288
Gm01	45387349	45388131	Gmdrm	hypo	CHH	-0.2135
Gm01	45388381	45389233	Gmdrm	hypo	CHH	-0.1359
Gm01	45391996	45392985	Gmdrm	hypo	CHH	-0.0584
Gm01	45398606	45399586	Gmdrm	hypo	CHH	-0.0756
Gm01	45425768	45426756	Gmdrm	hypo	CHH	-0.0211
Gm01	45426778	45427747	Gmdrm	hypo	CHH	-0.0196
Gm01	45431507	45432482	Gmdrm	hypo	CHH	-0.0154
Gm01	45434573	45435453	Gmdrm	hypo	CHH	-0.0421
Gm01	45435628	45436619	Gmdrm	hypo	CHH	-0.0269
Gm01	45458047	45458295	Gmdrm	hypo	CHH	-0.0281
Gm01	45464825	45465380	Gmdrm	hypo	CHH	-0.0676
Gm01	45465668	45466235	Gmdrm	hypo	CHH	-0.0581
Gm01	45474959	45475826	Gmdrm	hypo	CHH	-0.0596
Gm01	45479818	45480795	Gmdrm	hypo	CHH	-0.0205
Gm01	45480828	45481476	Gmdrm	hypo	CHH	-0.104
Gm01	45496379	45497372	Gmdrm	hypo	CHH	-0.1265
Gm01	45501239	45501623	Gmdrm	hypo	CHH	-0.1043
Gm01	45524899	45525860	Gmdrm	hypo	CHH	-0.0166
Gm01	45545147	45546108	Gmdrm	hypo	CHH	-0.0575
Gm01	45546760	45547291	Gmdrm	hypo	CHH	-0.036
Gm01	45548410	45549389	Gmdrm	hypo	CHH	-0.028
Gm01	45587726	45588719	Gmdrm	hypo	CHH	-0.0193
Gm01	45588738	45589497	Gmdrm	hypo	CHH	-0.0592
Gm01	45593812	45594774	Gmdrm	hypo	CHH	-0.0447
Gm01	45629371	45630367	Gmdrm	hypo	CHH	-0.0213
Gm01	45632436	45632736	Gmdrm	hypo	CHH	-0.2017
Gm01	45657637	45658627	Gmdrm	hypo	CHH	-0.0426
Gm01	45658642	45659642	Gmdrm	hypo	CHH	-0.0385
Gm01	45723958	45724917	Gmdrm	hypo	CHH	-0.0164
Gm01	45726182	45726408	Gmdrm	hypo	CHH	-0.1653
Gm01	45754036	45755031	Gmdrm	hypo	CHH	-0.039
Gm01	45773340	45774325	Gmdrm	hypo	CHH	-0.0541
Gm01	45775401	45776394	Gmdrm	hypo	CHH	-0.0357
Gm01	45797221	45798185	Gmdrm	hypo	CHH	-0.0216
Gm01	45804187	45805183	Gmdrm	hypo	CHH	-0.0166
Gm01	45809527	45810522	Gmdrm	hypo	CHH	-0.0617
Gm01	45813553	45813889	Gmdrm	hypo	CHH	-0.0263
Gm01	45821067	45822066	Gmdrm	hypo	CHH	-0.0692
Gm01	45843173	45843778	Gmdrm	hypo	CHH	-0.0411
Gm01	45843914	45844898	Gmdrm	hypo	CHH	-0.02
Gm01	45844915	45845915	Gmdrm	hypo	CHH	-0.0495
Gm01	45883251	45884234	Gmdrm	hypo	CHH	-0.0474
Gm01	45888639	45889639	Gmdrm	hypo	CHH	-0.0224
Gm01	45898066	45899066	Gmdrm	hypo	CHH	-0.0227

Gm01	45908099	45909096	Gmdrm	hypo	CHH	-0.0226
Gm01	45910613	45911612	Gmdrm	hypo	CHH	-0.0537
Gm01	45913630	45914621	Gmdrm	hypo	CHH	-0.022
Gm01	45923714	45924710	Gmdrm	hypo	CHH	-0.0623
Gm01	45925735	45926735	Gmdrm	hypo	CHH	-0.0319
Gm01	45934935	45935933	Gmdrm	hypo	CHH	-0.0651
Gm01	45937948	45938947	Gmdrm	hypo	CHH	-0.0321
Gm01	45950082	45951080	Gmdrm	hypo	CHH	-0.0712
Gm01	45959932	45960645	Gmdrm	hypo	CHH	-0.1344
Gm01	45970207	45971193	Gmdrm	hypo	CHH	-0.0141
Gm01	45971234	45972225	Gmdrm	hypo	CHH	-0.1034
Gm01	45972257	45973223	Gmdrm	hypo	CHH	-0.1119
Gm01	45980314	45981157	Gmdrm	hypo	CHH	-0.0458
Gm01	45983286	45984266	Gmdrm	hypo	CHH	-0.0172
Gm01	46027892	46028876	Gmdrm	hypo	CHH	-0.0857
Gm01	46034498	46035466	Gmdrm	hypo	CHH	-0.2041
Gm01	46035521	46036316	Gmdrm	hypo	CHH	-0.0562
Gm01	46036450	46037441	Gmdrm	hypo	CHH	-0.0196
Gm01	46037452	46038428	Gmdrm	hypo	CHH	-0.0212
Gm01	46039734	46040718	Gmdrm	hypo	CHH	-0.0137
Gm01	46041085	46042074	Gmdrm	hypo	CHH	-0.0317
Gm01	46055214	46056087	Gmdrm	hypo	CHH	-0.0162
Gm01	46061247	46062221	Gmdrm	hypo	CHH	-0.032
Gm01	46118103	46118873	Gmdrm	hypo	CHH	-0.0717
Gm01	46176285	46177283	Gmdrm	hypo	CHH	-0.1129
Gm01	46177290	46178288	Gmdrm	hypo	CHH	-0.0711
Gm01	46181112	46182112	Gmdrm	hypo	CHH	-0.0321
Gm01	46189616	46189838	Gmdrm	hypo	CHH	-0.1831
Gm01	46197907	46198763	Gmdrm	hypo	CHH	-0.1326
Gm01	46199153	46200118	Gmdrm	hypo	CHH	-0.2047
Gm01	46283850	46284838	Gmdrm	hypo	CHH	-0.0615
Gm01	46285789	46286786	Gmdrm	hypo	CHH	-0.092
Gm01	46286799	46287796	Gmdrm	hypo	CHH	-0.1644
Gm01	46287800	46288727	Gmdrm	hypo	CHH	-0.05
Gm01	46315095	46316094	Gmdrm	hypo	CHH	-0.0472
Gm01	46316099	46317052	Gmdrm	hypo	CHH	-0.0484
Gm01	46319676	46320675	Gmdrm	hypo	CHH	-0.0978
Gm01	46320680	46320970	Gmdrm	hypo	CHH	-0.2842
Gm01	46321518	46322517	Gmdrm	hypo	CHH	-0.099
Gm01	46334379	46335378	Gmdrm	hypo	CHH	-0.0351
Gm01	46338777	46339776	Gmdrm	hypo	CHH	-0.0504
Gm01	46348801	46349801	Gmdrm	hypo	CHH	-0.0188
Gm01	46349820	46350817	Gmdrm	hypo	CHH	-0.0462
Gm01	46350824	46351822	Gmdrm	hypo	CHH	-0.0885
Gm01	46351825	46352804	Gmdrm	hypo	CHH	-0.0475
Gm01	46363227	46364175	Gmdrm	hypo	CHH	-0.0198

Gm01	46370327	46370840	Gmdrm	hypo	CHH	-0.1628
Gm01	46371485	46372475	Gmdrm	hypo	CHH	-0.0131
Gm01	46372487	46373486	Gmdrm	hypo	CHH	-0.0478
Gm01	46433238	46434084	Gmdrm	hypo	CHH	-0.0315
Gm01	46439597	46440590	Gmdrm	hypo	CHH	-0.061
Gm01	46449796	46450796	Gmdrm	hypo	CHH	-0.0989
Gm01	46450801	46451799	Gmdrm	hypo	CHH	-0.1059
Gm01	46451807	46452436	Gmdrm	hypo	CHH	-0.0202
Gm01	46466192	46466974	Gmdrm	hypo	CHH	-0.3064
Gm01	46477913	46478911	Gmdrm	hypo	CHH	-0.0274
Gm01	46478915	46479885	Gmdrm	hypo	CHH	-0.0181
Gm01	46487996	46488677	Gmdrm	hypo	CHH	-0.057
Gm01	46492323	46493299	Gmdrm	hypo	CHH	-0.1352
Gm01	46493333	46494295	Gmdrm	hypo	CHH	-0.0331
Gm01	46527221	46528201	Gmdrm	hypo	CHH	-0.0234
Gm01	46528613	46529592	Gmdrm	hypo	CHH	-0.0174
Gm01	46531252	46532202	Gmdrm	hypo	CHH	-0.0211
Gm01	46535780	46536746	Gmdrm	hypo	CHH	-0.0589
Gm01	46537819	46538818	Gmdrm	hypo	CHH	-0.0481
Gm01	46539661	46540659	Gmdrm	hypo	CHH	-0.092
Gm01	46540662	46541654	Gmdrm	hypo	CHH	-0.2304
Gm01	46542235	46543221	Gmdrm	hypo	CHH	-0.042
Gm01	46562294	46563283	Gmdrm	hypo	CHH	-0.0202
Gm01	46563298	46564296	Gmdrm	hypo	CHH	-0.0399
Gm01	46608555	46609543	Gmdrm	hypo	CHH	-0.0603
Gm01	46620847	46621840	Gmdrm	hypo	CHH	-0.0213
Gm01	46622855	46623842	Gmdrm	hypo	CHH	-0.0461
Gm01	46623859	46624845	Gmdrm	hypo	CHH	-0.0519
Gm01	46625874	46626873	Gmdrm	hypo	CHH	-0.0151
Gm01	46626897	46627891	Gmdrm	hypo	CHH	-0.0849
Gm01	46627898	46628876	Gmdrm	hypo	CHH	-0.1166
Gm01	46635558	46636550	Gmdrm	hypo	CHH	-0.0426
Gm01	46638583	46639583	Gmdrm	hypo	CHH	-0.0611
Gm01	46675091	46676085	Gmdrm	hypo	CHH	-0.1913
Gm01	46676097	46677094	Gmdrm	hypo	CHH	-0.0606
Gm01	46679118	46680111	Gmdrm	hypo	CHH	-0.0728
Gm01	46690958	46691947	Gmdrm	hypo	CHH	-0.0646
Gm01	46704843	46705815	Gmdrm	hypo	CHH	-0.0614
Gm01	46723593	46724587	Gmdrm	hypo	CHH	-0.035
Gm01	46725624	46726624	Gmdrm	hypo	CHH	-0.0136
Gm01	46741762	46742751	Gmdrm	hypo	CHH	-0.04
Gm01	46742770	46743766	Gmdrm	hypo	CHH	-0.032
Gm01	46762819	46763486	Gmdrm	hypo	CHH	-0.066
Gm01	46807667	46808632	Gmdrm	hypo	CHH	-0.0442
Gm01	46810701	46811274	Gmdrm	hypo	CHH	-0.0198
Gm01	46824548	46825513	Gmdrm	hypo	CHH	-0.1105

Gm01	46857516	46858006	Gmdrm	hypo	CHH	-0.0449
Gm01	46869134	46870132	Gmdrm	hypo	CHH	-0.0985
Gm01	46880317	46881277	Gmdrm	hypo	CHH	-0.0545
Gm01	46882599	46882677	Gmdrm	hypo	CHH	-0.089
Gm01	46883767	46884735	Gmdrm	hypo	CHH	-0.0251
Gm01	46889491	46890485	Gmdrm	hypo	CHH	-0.1629
Gm01	46890501	46891492	Gmdrm	hypo	CHH	-0.0293
Gm01	46914662	46915659	Gmdrm	hypo	CHH	-0.0112
Gm01	46918917	46919917	Gmdrm	hypo	CHH	-0.0394
Gm01	46938431	46939126	Gmdrm	hypo	CHH	-0.0752
Gm01	46941100	46942090	Gmdrm	hypo	CHH	-0.0135
Gm01	46942931	46943065	Gmdrm	hypo	CHH	-0.0638
Gm01	46954375	46955370	Gmdrm	hypo	CHH	-0.0244
Gm01	46955403	46956018	Gmdrm	hypo	CHH	-0.0179
Gm01	46956129	46956666	Gmdrm	hypo	CHH	-0.0225
Gm01	46961197	46962195	Gmdrm	hypo	CHH	-0.0364
Gm01	47030803	47031527	Gmdrm	hypo	CHH	-0.28
Gm01	47035374	47036369	Gmdrm	hypo	CHH	-0.0445
Gm01	47036378	47036689	Gmdrm	hypo	CHH	-0.0685
Gm01	47038045	47039044	Gmdrm	hypo	CHH	-0.0144
Gm01	47052762	47053750	Gmdrm	hypo	CHH	-0.0425
Gm01	47053773	47054769	Gmdrm	hypo	CHH	-0.0116
Gm01	47094238	47095199	Gmdrm	hypo	CHH	-0.0129
Gm01	47098863	47099095	Gmdrm	hypo	CHH	-0.0358
Gm01	47107635	47108624	Gmdrm	hypo	CHH	-0.1853
Gm01	47108846	47109844	Gmdrm	hypo	CHH	-0.2663
Gm01	47110876	47111857	Gmdrm	hypo	CHH	-0.0543
Gm01	47118392	47119392	Gmdrm	hypo	CHH	-0.0461
Gm01	47121229	47122227	Gmdrm	hypo	CHH	-0.0161
Gm01	47122231	47123225	Gmdrm	hypo	CHH	-0.0392
Gm01	47148156	47149155	Gmdrm	hypo	CHH	-0.0262
Gm01	47149163	47150162	Gmdrm	hypo	CHH	-0.0366
Gm01	47150164	47151144	Gmdrm	hypo	CHH	-0.0202
Gm01	47160507	47161506	Gmdrm	hypo	CHH	-0.0149
Gm01	47166677	47166739	Gmdrm	hypo	CHH	-0.057
Gm01	47174798	47175797	Gmdrm	hypo	CHH	-0.0175
Gm01	47199604	47200587	Gmdrm	hypo	CHH	-0.0264
Gm01	47203540	47204535	Gmdrm	hypo	CHH	-0.1142
Gm01	47205605	47206600	Gmdrm	hypo	CHH	-0.0944
Gm01	47210340	47211337	Gmdrm	hypo	CHH	-0.0344
Gm01	47211351	47212347	Gmdrm	hypo	CHH	-0.0174
Gm01	47212378	47213323	Gmdrm	hypo	CHH	-0.1361
Gm01	47213414	47214378	Gmdrm	hypo	CHH	-0.0255
Gm01	47231761	47232753	Gmdrm	hypo	CHH	-0.0658
Gm01	47232767	47233697	Gmdrm	hypo	CHH	-0.1079
Gm01	47233814	47234515	Gmdrm	hypo	CHH	-0.0615

Gm01	47237851	47238847	Gmdrm	hypo	CHH	-0.0195
Gm01	47266322	47266751	Gmdrm	hypo	CHH	-0.032
Gm01	47270109	47271107	Gmdrm	hypo	CHH	-0.077
Gm01	47271116	47272116	Gmdrm	hypo	CHH	-0.0455
Gm01	47406329	47407315	Gmdrm	hypo	CHH	-0.0608
Gm01	47408073	47409073	Gmdrm	hypo	CHH	-0.0255
Gm01	47411115	47411831	Gmdrm	hypo	CHH	-0.0534
Gm01	47411982	47412956	Gmdrm	hypo	CHH	-0.0206
Gm01	47418522	47419516	Gmdrm	hypo	CHH	-0.0797
Gm01	47419529	47420528	Gmdrm	hypo	CHH	-0.1185
Gm01	47481333	47482326	Gmdrm	hypo	CHH	-0.0536
Gm01	47504738	47505737	Gmdrm	hypo	CHH	-0.054
Gm01	47505740	47506719	Gmdrm	hypo	CHH	-0.0512
Gm01	47506751	47507092	Gmdrm	hypo	CHH	-0.0465
Gm01	47508211	47509207	Gmdrm	hypo	CHH	-0.0168
Gm01	47517646	47518641	Gmdrm	hypo	CHH	-0.0265
Gm01	47520674	47521665	Gmdrm	hypo	CHH	-0.0347
Gm01	47524698	47525697	Gmdrm	hypo	CHH	-0.0236
Gm01	47531473	47532469	Gmdrm	hypo	CHH	-0.0319
Gm01	47533422	47534413	Gmdrm	hypo	CHH	-0.0136
Gm01	47554234	47554883	Gmdrm	hypo	CHH	-0.037
Gm01	47558342	47559321	Gmdrm	hypo	CHH	-0.0305
Gm01	47564346	47565318	Gmdrm	hypo	CHH	-0.0617
Gm01	47590449	47591441	Gmdrm	hypo	CHH	-0.0136
Gm01	47602541	47603528	Gmdrm	hypo	CHH	-0.0397
Gm01	47616824	47617796	Gmdrm	hypo	CHH	-0.0427
Gm01	47631617	47631770	Gmdrm	hypo	CHH	-0.085
Gm01	47645575	47646561	Gmdrm	hypo	CHH	-0.017
Gm01	47667972	47668155	Gmdrm	hypo	CHH	-0.0628
Gm01	47682620	47683620	Gmdrm	hypo	CHH	-0.0291
Gm01	47707987	47708987	Gmdrm	hypo	CHH	-0.0418
Gm01	47709990	47710648	Gmdrm	hypo	CHH	-0.0261
Gm01	47710775	47711015	Gmdrm	hypo	CHH	-0.034
Gm01	47712837	47713831	Gmdrm	hypo	CHH	-0.0518
Gm01	47721388	47722381	Gmdrm	hypo	CHH	-0.0407
Gm01	47724526	47725500	Gmdrm	hypo	CHH	-0.0289
Gm01	47726549	47727512	Gmdrm	hypo	CHH	-0.0529
Gm01	47727566	47728539	Gmdrm	hypo	CHH	-0.0304
Gm01	47746246	47747241	Gmdrm	hypo	CHH	-0.0866
Gm01	47758010	47759008	Gmdrm	hypo	CHH	-0.0335
Gm01	47759016	47760010	Gmdrm	hypo	CHH	-0.0347
Gm01	47774578	47775550	Gmdrm	hypo	CHH	-0.1392
Gm01	47775581	47776577	Gmdrm	hypo	CHH	-0.0401
Gm01	47778202	47779143	Gmdrm	hypo	CHH	-0.0142
Gm01	47783008	47784005	Gmdrm	hypo	CHH	-0.0306
Gm01	47786890	47787005	Gmdrm	hypo	CHH	-0.074

Gm01	47793879	47794858	Gmdrm	hypo	CHH	-0.0255
Gm01	47814019	47815011	Gmdrm	hypo	CHH	-0.0297
Gm01	47815026	47816022	Gmdrm	hypo	CHH	-0.0303
Gm01	47822961	47823958	Gmdrm	hypo	CHH	-0.0253
Gm01	47826003	47826998	Gmdrm	hypo	CHH	-0.07
Gm01	47838381	47839380	Gmdrm	hypo	CHH	-0.023
Gm01	47839385	47840372	Gmdrm	hypo	CHH	-0.0244
Gm01	47873642	47874607	Gmdrm	hypo	CHH	-0.1431
Gm01	47891663	47892656	Gmdrm	hypo	CHH	-0.1419
Gm01	47897700	47898664	Gmdrm	hypo	CHH	-0.0839
Gm01	47907530	47908511	Gmdrm	hypo	CHH	-0.0678
Gm01	47913980	47914954	Gmdrm	hypo	CHH	-0.0369
Gm01	47929966	47930963	Gmdrm	hypo	CHH	-0.0599
Gm01	47930969	47931968	Gmdrm	hypo	CHH	-0.0181
Gm01	47931980	47932978	Gmdrm	hypo	CHH	-0.015
Gm01	47935008	47935205	Gmdrm	hypo	CHH	-0.072
Gm01	47935311	47936297	Gmdrm	hypo	CHH	-0.0175
Gm01	48039573	48040573	Gmdrm	hypo	CHH	-0.1441
Gm01	48040576	48041566	Gmdrm	hypo	CHH	-0.1647
Gm01	48055828	48056109	Gmdrm	hypo	CHH	-0.0578
Gm01	48057090	48058055	Gmdrm	hypo	CHH	-0.019
Gm01	48059939	48060853	Gmdrm	hypo	CHH	-0.066
Gm01	48062907	48063907	Gmdrm	hypo	CHH	-0.0427
Gm01	48073045	48073783	Gmdrm	hypo	CHH	-0.0261
Gm01	48075883	48076734	Gmdrm	hypo	CHH	-0.0555
Gm01	48088512	48089501	Gmdrm	hypo	CHH	-0.0685
Gm01	48089514	48090511	Gmdrm	hypo	CHH	-0.1428
Gm01	48092251	48093243	Gmdrm	hypo	CHH	-0.1468
Gm01	48093258	48094257	Gmdrm	hypo	CHH	-0.0463
Gm01	48116095	48117090	Gmdrm	hypo	CHH	-0.0462
Gm01	48138567	48139417	Gmdrm	hypo	CHH	-0.0513
Gm01	48142556	48143510	Gmdrm	hypo	CHH	-0.0477
Gm01	48143558	48144553	Gmdrm	hypo	CHH	-0.0457
Gm01	48144564	48145564	Gmdrm	hypo	CHH	-0.038
Gm01	48157579	48158574	Gmdrm	hypo	CHH	-0.0373
Gm01	48165966	48166964	Gmdrm	hypo	CHH	-0.0158
Gm01	48166967	48167967	Gmdrm	hypo	CHH	-0.0264
Gm01	48167971	48168934	Gmdrm	hypo	CHH	-0.0279
Gm01	48168981	48169926	Gmdrm	hypo	CHH	-0.0672
Gm01	48170105	48170706	Gmdrm	hypo	CHH	-0.0744
Gm01	48172320	48173318	Gmdrm	hypo	CHH	-0.0407
Gm01	48214527	48215525	Gmdrm	hypo	CHH	-0.0497
Gm01	48215535	48216530	Gmdrm	hypo	CHH	-0.0349
Gm01	48220091	48221085	Gmdrm	hypo	CHH	-0.1372
Gm01	48254035	48255028	Gmdrm	hypo	CHH	-0.0454
Gm01	48296590	48297577	Gmdrm	hypo	CHH	-0.0358

Gm01	48311895	48312890	Gmdrm	hypo	CHH	-0.0315
Gm01	48312905	48313893	Gmdrm	hypo	CHH	-0.0186
Gm01	48363328	48363577	Gmdrm	hypo	CHH	-0.055
Gm01	48364321	48365173	Gmdrm	hypo	CHH	-0.0339
Gm01	48368596	48369596	Gmdrm	hypo	CHH	-0.0232
Gm01	48416971	48417952	Gmdrm	hypo	CHH	-0.0231
Gm01	48421260	48421378	Gmdrm	hypo	CHH	-0.1889
Gm01	48421603	48421868	Gmdrm	hypo	CHH	-0.0583
Gm01	48422216	48422604	Gmdrm	hypo	CHH	-0.0365
Gm01	48436161	48437126	Gmdrm	hypo	CHH	-0.0287
Gm01	48437173	48438155	Gmdrm	hypo	CHH	-0.0122
Gm01	48458182	48459182	Gmdrm	hypo	CHH	-0.0221
Gm01	48463396	48464389	Gmdrm	hypo	CHH	-0.0349
Gm01	48522657	48523649	Gmdrm	hypo	CHH	-0.0351
Gm01	48531312	48532301	Gmdrm	hypo	CHH	-0.03
Gm01	48533339	48534339	Gmdrm	hypo	CHH	-0.0492
Gm01	48534345	48535325	Gmdrm	hypo	CHH	-0.0296
Gm01	48537201	48538172	Gmdrm	hypo	CHH	-0.0553
Gm01	48538973	48539960	Gmdrm	hypo	CHH	-0.0362
Gm01	48560676	48560841	Gmdrm	hypo	CHH	-0.273
Gm01	48619359	48620358	Gmdrm	hypo	CHH	-0.0115
Gm01	48620886	48621871	Gmdrm	hypo	CHH	-0.0267
Gm01	48648277	48649277	Gmdrm	hypo	CHH	-0.0346
Gm01	48655331	48656320	Gmdrm	hypo	CHH	-0.0739
Gm01	48661764	48662323	Gmdrm	hypo	CHH	-0.0102
Gm01	48663439	48664437	Gmdrm	hypo	CHH	-0.0184
Gm01	48665775	48666770	Gmdrm	hypo	CHH	-0.0311
Gm01	48667813	48668800	Gmdrm	hypo	CHH	-0.0358
Gm01	48702470	48703463	Gmdrm	hypo	CHH	-0.0219
Gm01	48712612	48713602	Gmdrm	hypo	CHH	-0.0312
Gm01	48713646	48714625	Gmdrm	hypo	CHH	-0.0234
Gm01	48720343	48721302	Gmdrm	hypo	CHH	-0.027
Gm01	48724093	48725086	Gmdrm	hypo	CHH	-0.0669
Gm01	48731575	48732550	Gmdrm	hypo	CHH	-0.0156
Gm01	48734648	48735605	Gmdrm	hypo	CHH	-0.0132
Gm01	48739889	48740876	Gmdrm	hypo	CHH	-0.0509
Gm01	48755462	48756446	Gmdrm	hypo	CHH	-0.0178
Gm01	48760500	48761476	Gmdrm	hypo	CHH	-0.0323
Gm01	48765475	48766469	Gmdrm	hypo	CHH	-0.1426
Gm01	48766476	48767471	Gmdrm	hypo	CHH	-0.0673
Gm01	48773582	48773903	Gmdrm	hypo	CHH	-0.0696
Gm01	48774019	48774479	Gmdrm	hypo	CHH	-0.1604
Gm01	48774869	48775313	Gmdrm	hypo	CHH	-0.1694
Gm01	48784721	48785165	Gmdrm	hypo	CHH	-0.0277
Gm01	48812720	48813720	Gmdrm	hypo	CHH	-0.1904
Gm01	48813725	48814704	Gmdrm	hypo	CHH	-0.1038

Gm01	48819150	48820127	Gmdrm	hypo	CHH	-0.018
Gm01	48822172	48822984	Gmdrm	hypo	CHH	-0.0514
Gm01	48833031	48834029	Gmdrm	hypo	CHH	-0.0467
Gm01	48835071	48836071	Gmdrm	hypo	CHH	-0.0564
Gm01	48848153	48849129	Gmdrm	hypo	CHH	-0.0383
Gm01	48854416	48855411	Gmdrm	hypo	CHH	-0.0424
Gm01	48855431	48855760	Gmdrm	hypo	CHH	-0.0347
Gm01	48863761	48864748	Gmdrm	hypo	CHH	-0.0256
Gm01	48864766	48865728	Gmdrm	hypo	CHH	-0.0167
Gm01	48865946	48866946	Gmdrm	hypo	CHH	-0.033
Gm01	48867964	48868906	Gmdrm	hypo	CHH	-0.073
Gm01	48886004	48887002	Gmdrm	hypo	CHH	-0.0403
Gm01	48887006	48888006	Gmdrm	hypo	CHH	-0.1264
Gm01	48888007	48889001	Gmdrm	hypo	CHH	-0.0887
Gm01	48889097	48889241	Gmdrm	hypo	CHH	-0.155
Gm01	48889719	48890235	Gmdrm	hypo	CHH	-0.0382
Gm01	48892550	48893413	Gmdrm	hypo	CHH	-0.0241
Gm01	48921250	48922250	Gmdrm	hypo	CHH	-0.0342
Gm01	48922341	48923286	Gmdrm	hypo	CHH	-0.0844
Gm01	48923351	48924348	Gmdrm	hypo	CHH	-0.0202
Gm01	48925886	48926883	Gmdrm	hypo	CHH	-0.0218
Gm01	48926912	48927907	Gmdrm	hypo	CHH	-0.0618
Gm01	48927920	48928915	Gmdrm	hypo	CHH	-0.0387
Gm01	48943692	48944691	Gmdrm	hypo	CHH	-0.0176
Gm01	48949729	48950727	Gmdrm	hypo	CHH	-0.041
Gm01	48951805	48952788	Gmdrm	hypo	CHH	-0.0694
Gm01	48958832	48959816	Gmdrm	hypo	CHH	-0.069
Gm01	48972453	48972562	Gmdrm	hypo	CHH	-0.0771
Gm01	48995024	48996023	Gmdrm	hypo	CHH	-0.0231
Gm01	48998047	48999047	Gmdrm	hypo	CHH	-0.0225
Gm01	49000076	49001060	Gmdrm	hypo	CHH	-0.0165
Gm01	49027487	49028362	Gmdrm	hypo	CHH	-0.0255
Gm01	49038812	49039369	Gmdrm	hypo	CHH	-0.0212
Gm01	49046111	49047096	Gmdrm	hypo	CHH	-0.0605
Gm01	49050199	49051068	Gmdrm	hypo	CHH	-0.0118
Gm01	49060127	49061106	Gmdrm	hypo	CHH	-0.0516
Gm01	49074177	49075155	Gmdrm	hypo	CHH	-0.0421
Gm01	49075178	49076178	Gmdrm	hypo	CHH	-0.0407
Gm01	49110105	49110886	Gmdrm	hypo	CHH	-0.0873
Gm01	49114134	49114336	Gmdrm	hypo	CHH	-0.0236
Gm01	49115935	49116931	Gmdrm	hypo	CHH	-0.0537
Gm01	49129013	49129997	Gmdrm	hypo	CHH	-0.0464
Gm01	49135058	49136048	Gmdrm	hypo	CHH	-0.0555
Gm01	49138251	49139248	Gmdrm	hypo	CHH	-0.0231
Gm01	49139257	49140255	Gmdrm	hypo	CHH	-0.0459
Gm01	49140258	49140839	Gmdrm	hypo	CHH	-0.0392

Gm01	49149836	49150828	Gmdrm	hypo	CHH	-0.0442
Gm01	49190734	49191725	Gmdrm	hypo	CHH	-0.022
Gm01	49196797	49196880	Gmdrm	hypo	CHH	-0.0357
Gm01	49197026	49197968	Gmdrm	hypo	CHH	-0.0186
Gm01	49198028	49198592	Gmdrm	hypo	CHH	-0.0212
Gm01	49205925	49206899	Gmdrm	hypo	CHH	-0.0412
Gm01	49207293	49207421	Gmdrm	hypo	CHH	-0.1963
Gm01	49262060	49263046	Gmdrm	hypo	CHH	-0.1318
Gm01	49263073	49264069	Gmdrm	hypo	CHH	-0.0944
Gm01	49288592	49289561	Gmdrm	hypo	CHH	-0.017
Gm01	49299619	49300619	Gmdrm	hypo	CHH	-0.0658
Gm01	49300633	49301604	Gmdrm	hypo	CHH	-0.0697
Gm01	49301649	49302185	Gmdrm	hypo	CHH	-0.0248
Gm01	49310726	49311105	Gmdrm	hypo	CHH	-0.0607
Gm01	49351020	49351280	Gmdrm	hypo	CHH	-0.083
Gm01	49353651	49354648	Gmdrm	hypo	CHH	-0.0679
Gm01	49354707	49355539	Gmdrm	hypo	CHH	-0.0664
Gm01	49361889	49362165	Gmdrm	hypo	CHH	-0.0533
Gm01	49364828	49365820	Gmdrm	hypo	CHH	-0.1685
Gm01	49367403	49367589	Gmdrm	hypo	CHH	-0.0321
Gm01	49401508	49402487	Gmdrm	hypo	CHH	-0.0454
Gm01	49405119	49405479	Gmdrm	hypo	CHH	-0.1609
Gm01	49470112	49470763	Gmdrm	hypo	CHH	-0.2876
Gm01	49471096	49472091	Gmdrm	hypo	CHH	-0.0508
Gm01	49498501	49498804	Gmdrm	hypo	CHH	-0.0265
Gm01	49510791	49511789	Gmdrm	hypo	CHH	-0.0203
Gm01	49533897	49534836	Gmdrm	hypo	CHH	-0.0482
Gm01	49536920	49537911	Gmdrm	hypo	CHH	-0.0589
Gm01	49537922	49538907	Gmdrm	hypo	CHH	-0.1258
Gm01	49542816	49542921	Gmdrm	hypo	CHH	-0.033
Gm01	49544072	49544598	Gmdrm	hypo	CHH	-0.0238
Gm01	49551239	49552233	Gmdrm	hypo	CHH	-0.0922
Gm01	49552245	49553243	Gmdrm	hypo	CHH	-0.1114
Gm01	49553249	49554236	Gmdrm	hypo	CHH	-0.031
Gm01	49558136	49559122	Gmdrm	hypo	CHH	-0.0863
Gm01	49562807	49563235	Gmdrm	hypo	CHH	-0.0215
Gm01	49625043	49626020	Gmdrm	hypo	CHH	-0.0409
Gm01	49627247	49628247	Gmdrm	hypo	CHH	-0.0401
Gm01	49628251	49628959	Gmdrm	hypo	CHH	-0.1253
Gm01	49648898	49649890	Gmdrm	hypo	CHH	-0.1532
Gm01	49660143	49661143	Gmdrm	hypo	CHH	-0.0161
Gm01	49661389	49662381	Gmdrm	hypo	CHH	-0.0929
Gm01	49676608	49677555	Gmdrm	hypo	CHH	-0.0881
Gm01	49681749	49682727	Gmdrm	hypo	CHH	-0.0238
Gm01	49696965	49697959	Gmdrm	hypo	CHH	-0.1859
Gm01	49697970	49698963	Gmdrm	hypo	CHH	-0.1083

Gm01	49699975	49700150	Gmdrm	hypo	CHH	-0.0554
Gm01	49723167	49724133	Gmdrm	hypo	CHH	-0.0253
Gm01	49727742	49728737	Gmdrm	hypo	CHH	-0.02
Gm01	49728745	49729533	Gmdrm	hypo	CHH	-0.0443
Gm01	49737194	49738193	Gmdrm	hypo	CHH	-0.1119
Gm01	49740201	49741198	Gmdrm	hypo	CHH	-0.0787
Gm01	49744276	49745275	Gmdrm	hypo	CHH	-0.1037
Gm01	49745277	49745825	Gmdrm	hypo	CHH	-0.0281
Gm01	49748999	49749990	Gmdrm	hypo	CHH	-0.277
Gm01	49786327	49787272	Gmdrm	hypo	CHH	-0.0984
Gm01	49787348	49788345	Gmdrm	hypo	CHH	-0.0259
Gm01	49788352	49789345	Gmdrm	hypo	CHH	-0.0158
Gm01	49792475	49793090	Gmdrm	hypo	CHH	-0.0608
Gm01	49793327	49794317	Gmdrm	hypo	CHH	-0.0561
Gm01	49804273	49805233	Gmdrm	hypo	CHH	-0.0824
Gm01	49805299	49806093	Gmdrm	hypo	CHH	-0.0218
Gm01	49819158	49820145	Gmdrm	hypo	CHH	-0.0261
Gm01	49824232	49825196	Gmdrm	hypo	CHH	-0.0124
Gm01	49828412	49829401	Gmdrm	hypo	CHH	-0.1524
Gm01	49829417	49830413	Gmdrm	hypo	CHH	-0.0822
Gm01	49830445	49831437	Gmdrm	hypo	CHH	-0.0834
Gm01	49833839	49834295	Gmdrm	hypo	CHH	-0.021
Gm01	49840643	49840897	Gmdrm	hypo	CHH	-0.02
Gm01	49843078	49844070	Gmdrm	hypo	CHH	-0.016
Gm01	49844081	49845077	Gmdrm	hypo	CHH	-0.0724
Gm01	49846049	49847028	Gmdrm	hypo	CHH	-0.0611
Gm01	49848118	49849099	Gmdrm	hypo	CHH	-0.1472
Gm01	49852613	49853612	Gmdrm	hypo	CHH	-0.1488
Gm01	49853615	49854612	Gmdrm	hypo	CHH	-0.0524
Gm01	49859976	49860956	Gmdrm	hypo	CHH	-0.0131
Gm01	49862105	49863065	Gmdrm	hypo	CHH	-0.0549
Gm01	49867243	49868228	Gmdrm	hypo	CHH	-0.0635
Gm01	49871273	49872273	Gmdrm	hypo	CHH	-0.2073
Gm01	49872277	49872570	Gmdrm	hypo	CHH	-0.2161
Gm01	49880127	49881110	Gmdrm	hypo	CHH	-0.0213
Gm01	49883136	49884135	Gmdrm	hypo	CHH	-0.0178
Gm01	49888177	49889173	Gmdrm	hypo	CHH	-0.0197
Gm01	49895153	49895803	Gmdrm	hypo	CHH	-0.0433
Gm01	49900995	49901459	Gmdrm	hypo	CHH	-0.0681
Gm01	49906713	49907583	Gmdrm	hypo	CHH	-0.0269
Gm01	49911155	49912134	Gmdrm	hypo	CHH	-0.0257
Gm01	49918524	49919523	Gmdrm	hypo	CHH	-0.1264
Gm01	49919527	49920074	Gmdrm	hypo	CHH	-0.3903
Gm01	49936314	49937307	Gmdrm	hypo	CHH	-0.0869
Gm01	49937317	49938314	Gmdrm	hypo	CHH	-0.0232
Gm01	49941547	49942544	Gmdrm	hypo	CHH	-0.1097

Gm01	49952648	49953640	Gmdrm	hypo	CHH	-0.0164
Gm01	49953655	49954635	Gmdrm	hypo	CHH	-0.0154
Gm01	49955885	49956514	Gmdrm	hypo	CHH	-0.0181
Gm01	49962122	49963122	Gmdrm	hypo	CHH	-0.1622
Gm01	49963124	49963752	Gmdrm	hypo	CHH	-0.0898
Gm01	49964881	49965866	Gmdrm	hypo	CHH	-0.1497
Gm01	49965897	49966140	Gmdrm	hypo	CHH	-0.1663
Gm01	49981725	49982717	Gmdrm	hypo	CHH	-0.016
Gm01	49983638	49984594	Gmdrm	hypo	CHH	-0.0567
Gm01	49985654	49986649	Gmdrm	hypo	CHH	-0.088
Gm01	49986689	49987683	Gmdrm	hypo	CHH	-0.0484
Gm01	50000865	50001865	Gmdrm	hypo	CHH	-0.0243
Gm01	50001876	50002854	Gmdrm	hypo	CHH	-0.0721
Gm01	50003196	50004194	Gmdrm	hypo	CHH	-0.0962
Gm01	50004197	50004563	Gmdrm	hypo	CHH	-0.2287
Gm01	50008134	50008487	Gmdrm	hypo	CHH	-0.1339
Gm01	50009609	50009668	Gmdrm	hypo	CHH	-0.2309
Gm01	50009774	50010106	Gmdrm	hypo	CHH	-0.1428
Gm01	50011589	50012587	Gmdrm	hypo	CHH	-0.0793
Gm01	50012594	50013592	Gmdrm	hypo	CHH	-0.1185
Gm01	50013597	50014589	Gmdrm	hypo	CHH	-0.2107
Gm01	50015603	50016305	Gmdrm	hypo	CHH	-0.2396
Gm01	50019464	50020460	Gmdrm	hypo	CHH	-0.0808
Gm01	50020465	50021461	Gmdrm	hypo	CHH	-0.0714
Gm01	50024480	50025462	Gmdrm	hypo	CHH	-0.0563
Gm01	50026524	50027512	Gmdrm	hypo	CHH	-0.1182
Gm01	50030013	50030964	Gmdrm	hypo	CHH	-0.0186
Gm01	50033435	50034430	Gmdrm	hypo	CHH	-0.0525
Gm01	50047062	50048062	Gmdrm	hypo	CHH	-0.0787
Gm01	50048066	50049063	Gmdrm	hypo	CHH	-0.1232
Gm01	50049069	50049725	Gmdrm	hypo	CHH	-0.0302
Gm01	50052796	50053788	Gmdrm	hypo	CHH	-0.0406
Gm01	50064336	50065319	Gmdrm	hypo	CHH	-0.2285
Gm01	50065344	50065873	Gmdrm	hypo	CHH	-0.1467
Gm01	50066063	50067054	Gmdrm	hypo	CHH	-0.0613
Gm01	50068998	50069964	Gmdrm	hypo	CHH	-0.0259
Gm01	50072309	50073304	Gmdrm	hypo	CHH	-0.0153
Gm01	50076404	50077392	Gmdrm	hypo	CHH	-0.0933
Gm01	50077405	50078400	Gmdrm	hypo	CHH	-0.1032
Gm01	50079217	50080215	Gmdrm	hypo	CHH	-0.0905
Gm01	50080218	50080600	Gmdrm	hypo	CHH	-0.1813
Gm01	50080718	50081706	Gmdrm	hypo	CHH	-0.0836
Gm01	50081746	50082734	Gmdrm	hypo	CHH	-0.0181
Gm01	50083257	50084257	Gmdrm	hypo	CHH	-0.1705
Gm01	50084262	50085259	Gmdrm	hypo	CHH	-0.098
Gm01	50086268	50086726	Gmdrm	hypo	CHH	-0.1119

Gm01	50088208	50089202	Gmdrm	hypo	CHH	-0.0426
Gm01	50100844	50101833	Gmdrm	hypo	CHH	-0.1358
Gm01	50101851	50102837	Gmdrm	hypo	CHH	-0.0579
Gm01	50113026	50113684	Gmdrm	hypo	CHH	-0.0232
Gm01	50135660	50136658	Gmdrm	hypo	CHH	-0.0376
Gm01	50140350	50141347	Gmdrm	hypo	CHH	-0.0118
Gm01	50148181	50149175	Gmdrm	hypo	CHH	-0.0249
Gm01	50149878	50150072	Gmdrm	hypo	CHH	-0.067
Gm01	50150196	50151187	Gmdrm	hypo	CHH	-0.0184
Gm01	50157096	50157773	Gmdrm	hypo	CHH	-0.0243
Gm01	50174300	50175296	Gmdrm	hypo	CHH	-0.0347
Gm01	50186746	50187708	Gmdrm	hypo	CHH	-0.0171
Gm01	50196257	50197239	Gmdrm	hypo	CHH	-0.019
Gm01	50201428	50202386	Gmdrm	hypo	CHH	-0.0936
Gm01	50203573	50204573	Gmdrm	hypo	CHH	-0.055
Gm01	50208257	50209246	Gmdrm	hypo	CHH	-0.3432
Gm01	50223967	50224966	Gmdrm	hypo	CHH	-0.0159
Gm01	50224994	50225981	Gmdrm	hypo	CHH	-0.0855
Gm01	50241976	50242454	Gmdrm	hypo	CHH	-0.023
Gm01	50245909	50246033	Gmdrm	hypo	CHH	-0.0373
Gm01	50280890	50281883	Gmdrm	hypo	CHH	-0.0185
Gm01	50281894	50282375	Gmdrm	hypo	CHH	-0.0238
Gm01	50283661	50284660	Gmdrm	hypo	CHH	-0.0282
Gm01	50288679	50289639	Gmdrm	hypo	CHH	-0.0305
Gm01	50289711	50290701	Gmdrm	hypo	CHH	-0.0382
Gm01	50293791	50294766	Gmdrm	hypo	CHH	-0.0217
Gm01	50296687	50297680	Gmdrm	hypo	CHH	-0.053
Gm01	50297720	50298720	Gmdrm	hypo	CHH	-0.0459
Gm01	50298855	50299830	Gmdrm	hypo	CHH	-0.0396
Gm01	50303025	50303243	Gmdrm	hypo	CHH	-0.0444
Gm01	50307950	50308947	Gmdrm	hypo	CHH	-0.03
Gm01	50308959	50309915	Gmdrm	hypo	CHH	-0.0438
Gm01	50312873	50313873	Gmdrm	hypo	CHH	-0.0462
Gm01	50314921	50315343	Gmdrm	hypo	CHH	-0.0275
Gm01	50325346	50326338	Gmdrm	hypo	CHH	-0.054
Gm01	50328445	50329435	Gmdrm	hypo	CHH	-0.046
Gm01	50347633	50348611	Gmdrm	hypo	CHH	-0.0103
Gm01	50354337	50355337	Gmdrm	hypo	CHH	-0.1529
Gm01	50355338	50356332	Gmdrm	hypo	CHH	-0.0972
Gm01	50357370	50358368	Gmdrm	hypo	CHH	-0.2575
Gm01	50358371	50359313	Gmdrm	hypo	CHH	-0.103
Gm01	50362046	50363003	Gmdrm	hypo	CHH	-0.0157
Gm01	50370846	50371843	Gmdrm	hypo	CHH	-0.1611
Gm01	50371848	50372846	Gmdrm	hypo	CHH	-0.1163
Gm01	50372850	50373848	Gmdrm	hypo	CHH	-0.0885
Gm01	50373859	50374853	Gmdrm	hypo	CHH	-0.019

Gm01	50377701	50378688	Gmdrm	hypo	CHH	-0.0765
Gm01	50388121	50389116	Gmdrm	hypo	CHH	-0.062
Gm01	50391128	50392127	Gmdrm	hypo	CHH	-0.0433
Gm01	50392129	50393124	Gmdrm	hypo	CHH	-0.0694
Gm01	50395163	50396159	Gmdrm	hypo	CHH	-0.0765
Gm01	50396169	50397158	Gmdrm	hypo	CHH	-0.0432
Gm01	50397173	50397980	Gmdrm	hypo	CHH	-0.0232
Gm01	50402206	50403178	Gmdrm	hypo	CHH	-0.0257
Gm01	50406898	50407898	Gmdrm	hypo	CHH	-0.0196
Gm01	50416401	50417318	Gmdrm	hypo	CHH	-0.1059
Gm01	50432222	50433211	Gmdrm	hypo	CHH	-0.0249
Gm01	50436001	50436054	Gmdrm	hypo	CHH	-0.0867
Gm01	50439324	50440320	Gmdrm	hypo	CHH	-0.1581
Gm01	50442365	50442828	Gmdrm	hypo	CHH	-0.0363
Gm01	50445147	50446112	Gmdrm	hypo	CHH	-0.0592
Gm01	50448600	50449540	Gmdrm	hypo	CHH	-0.016
Gm01	50451657	50452657	Gmdrm	hypo	CHH	-0.2032
Gm01	50452658	50452893	Gmdrm	hypo	CHH	-0.4202
Gm01	50455262	50455977	Gmdrm	hypo	CHH	-0.1095
Gm01	50462375	50463372	Gmdrm	hypo	CHH	-0.018
Gm01	50464421	50465421	Gmdrm	hypo	CHH	-0.0436
Gm01	50465427	50466425	Gmdrm	hypo	CHH	-0.0844
Gm01	50466444	50466840	Gmdrm	hypo	CHH	-0.0975
Gm01	50472861	50473844	Gmdrm	hypo	CHH	-0.2904
Gm01	50475942	50476935	Gmdrm	hypo	CHH	-0.0371
Gm01	50476943	50477943	Gmdrm	hypo	CHH	-0.0563
Gm01	50477977	50478977	Gmdrm	hypo	CHH	-0.0396
Gm01	50488675	50489606	Gmdrm	hypo	CHH	-0.0263
Gm01	50491971	50492515	Gmdrm	hypo	CHH	-0.0824
Gm01	50498221	50499191	Gmdrm	hypo	CHH	-0.1016
Gm01	50499238	50500217	Gmdrm	hypo	CHH	-0.0471
Gm01	50503360	50504356	Gmdrm	hypo	CHH	-0.0137
Gm01	50504365	50505353	Gmdrm	hypo	CHH	-0.0429
Gm01	50507401	50508396	Gmdrm	hypo	CHH	-0.0565
Gm01	50508405	50509401	Gmdrm	hypo	CHH	-0.0296
Gm01	50509454	50510449	Gmdrm	hypo	CHH	-0.0599
Gm01	50510456	50511097	Gmdrm	hypo	CHH	-0.123
Gm01	50512910	50513387	Gmdrm	hypo	CHH	-0.0463
Gm01	50517285	50518032	Gmdrm	hypo	CHH	-0.0155
Gm01	50529539	50530522	Gmdrm	hypo	CHH	-0.0218
Gm01	50530547	50531546	Gmdrm	hypo	CHH	-0.0121
Gm01	50533896	50534886	Gmdrm	hypo	CHH	-0.0394
Gm01	50542856	50543854	Gmdrm	hypo	CHH	-0.0447
Gm01	50550966	50551966	Gmdrm	hypo	CHH	-0.0515
Gm01	50564166	50565166	Gmdrm	hypo	CHH	-0.0162
Gm01	50565175	50565681	Gmdrm	hypo	CHH	-0.0173

Gm01	50569082	50570079	Gmdrm	hypo	CHH	-0.0228
Gm01	50571132	50572122	Gmdrm	hypo	CHH	-0.2167
Gm01	50572572	50573066	Gmdrm	hypo	CHH	-0.0639
Gm01	50582133	50583017	Gmdrm	hypo	CHH	-0.1839
Gm01	50585692	50586549	Gmdrm	hypo	CHH	-0.0198
Gm01	50591475	50592475	Gmdrm	hypo	CHH	-0.1031
Gm01	50592477	50592892	Gmdrm	hypo	CHH	-0.0874
Gm01	50596293	50597287	Gmdrm	hypo	CHH	-0.3463
Gm01	50606109	50606591	Gmdrm	hypo	CHH	-0.1665
Gm01	50616791	50617766	Gmdrm	hypo	CHH	-0.0122
Gm01	50621057	50622051	Gmdrm	hypo	CHH	-0.0233
Gm01	50624076	50625020	Gmdrm	hypo	CHH	-0.2264
Gm01	50635815	50636808	Gmdrm	hypo	CHH	-0.0144
Gm01	50637820	50638820	Gmdrm	hypo	CHH	-0.0143
Gm01	50641346	50641452	Gmdrm	hypo	CHH	-0.0172
Gm01	50646124	50647106	Gmdrm	hypo	CHH	-0.023
Gm01	50651550	50652544	Gmdrm	hypo	CHH	-0.0143
Gm01	50654924	50655101	Gmdrm	hypo	CHH	-0.4275
Gm01	50658541	50659540	Gmdrm	hypo	CHH	-0.1371
Gm01	50659547	50660146	Gmdrm	hypo	CHH	-0.3142
Gm01	50663334	50664332	Gmdrm	hypo	CHH	-0.1315
Gm01	50664340	50665264	Gmdrm	hypo	CHH	-0.0281
Gm01	50666180	50667177	Gmdrm	hypo	CHH	-0.0245
Gm01	50687260	50688259	Gmdrm	hypo	CHH	-0.0976
Gm01	50698523	50699468	Gmdrm	hypo	CHH	-0.0159
Gm01	50699532	50700169	Gmdrm	hypo	CHH	-0.0253
Gm01	50734653	50735653	Gmdrm	hypo	CHH	-0.0473
Gm01	50735661	50736651	Gmdrm	hypo	CHH	-0.1342
Gm01	50755754	50756711	Gmdrm	hypo	CHH	-0.0202
Gm01	50770692	50771683	Gmdrm	hypo	CHH	-0.0539
Gm01	50771705	50772695	Gmdrm	hypo	CHH	-0.0294
Gm01	50778532	50779516	Gmdrm	hypo	CHH	-0.304
Gm01	50780566	50780775	Gmdrm	hypo	CHH	-0.0285
Gm01	50785572	50786570	Gmdrm	hypo	CHH	-0.1407
Gm01	50786593	50787593	Gmdrm	hypo	CHH	-0.0813
Gm01	50787597	50788586	Gmdrm	hypo	CHH	-0.0452
Gm01	50793917	50794916	Gmdrm	hypo	CHH	-0.0191
Gm01	50797278	50798271	Gmdrm	hypo	CHH	-0.0659
Gm01	50805746	50806703	Gmdrm	hypo	CHH	-0.0343
Gm01	50810282	50811261	Gmdrm	hypo	CHH	-0.0445
Gm01	50813386	50814384	Gmdrm	hypo	CHH	-0.0923
Gm01	50828253	50829251	Gmdrm	hypo	CHH	-0.0131
Gm01	50829920	50830776	Gmdrm	hypo	CHH	-0.0259
Gm01	50832478	50833471	Gmdrm	hypo	CHH	-0.0232
Gm01	50837070	50838054	Gmdrm	hypo	CHH	-0.0239
Gm01	50845131	50846126	Gmdrm	hypo	CHH	-0.0206

Gm01	50859719	50860704	Gmdrm	hypo	CHH	-0.0215
Gm01	50870774	50871759	Gmdrm	hypo	CHH	-0.063
Gm01	50871797	50872768	Gmdrm	hypo	CHH	-0.0336
Gm01	50884983	50885953	Gmdrm	hypo	CHH	-0.0178
Gm01	50890037	50891033	Gmdrm	hypo	CHH	-0.0115
Gm01	50898712	50899710	Gmdrm	hypo	CHH	-0.0785
Gm01	50925286	50926150	Gmdrm	hypo	CHH	-0.0977
Gm01	50926647	50926749	Gmdrm	hypo	CHH	-0.1694
Gm01	50928509	50929507	Gmdrm	hypo	CHH	-0.034
Gm01	50929510	50929583	Gmdrm	hypo	CHH	-0.1291
Gm01	50948546	50949533	Gmdrm	hypo	CHH	-0.0656
Gm01	50956963	50957879	Gmdrm	hypo	CHH	-0.0188
Gm01	50959517	50960511	Gmdrm	hypo	CHH	-0.029
Gm01	50960518	50961482	Gmdrm	hypo	CHH	-0.0366
Gm01	50968851	50969850	Gmdrm	hypo	CHH	-0.0367
Gm01	50969854	50970824	Gmdrm	hypo	CHH	-0.01
Gm01	50978145	50979131	Gmdrm	hypo	CHH	-0.0851
Gm01	50980161	50981078	Gmdrm	hypo	CHH	-0.0582
Gm01	50982209	50983184	Gmdrm	hypo	CHH	-0.0201
Gm01	51005787	51006782	Gmdrm	hypo	CHH	-0.0161
Gm01	51009077	51010062	Gmdrm	hypo	CHH	-0.0574
Gm01	51012981	51013817	Gmdrm	hypo	CHH	-0.1962
Gm01	51014133	51014290	Gmdrm	hypo	CHH	-0.19
Gm01	51014395	51015355	Gmdrm	hypo	CHH	-0.182
Gm01	51021645	51022643	Gmdrm	hypo	CHH	-0.0088
Gm01	51029175	51029871	Gmdrm	hypo	CHH	-0.0166
Gm01	51034051	51035044	Gmdrm	hypo	CHH	-0.0954
Gm01	51035053	51036048	Gmdrm	hypo	CHH	-0.0517
Gm01	51041801	51042800	Gmdrm	hypo	CHH	-0.0173
Gm01	51046633	51047622	Gmdrm	hypo	CHH	-0.0235
Gm01	51052966	51053709	Gmdrm	hypo	CHH	-0.0309
Gm01	51054848	51055387	Gmdrm	hypo	CHH	-0.0667
Gm01	51072684	51073641	Gmdrm	hypo	CHH	-0.064
Gm01	51084529	51085523	Gmdrm	hypo	CHH	-0.0212
Gm01	51099232	51100232	Gmdrm	hypo	CHH	-0.1035
Gm01	51100234	51101231	Gmdrm	hypo	CHH	-0.2312
Gm01	51101265	51102265	Gmdrm	hypo	CHH	-0.02
Gm01	51105639	51106203	Gmdrm	hypo	CHH	-0.0716
Gm01	51116168	51117079	Gmdrm	hypo	CHH	-0.1528
Gm01	51119527	51120461	Gmdrm	hypo	CHH	-0.0205
Gm01	51124096	51125092	Gmdrm	hypo	CHH	-0.0623
Gm01	51129749	51130719	Gmdrm	hypo	CHH	-0.0184
Gm01	51144287	51145286	Gmdrm	hypo	CHH	-0.0504
Gm01	51145289	51146285	Gmdrm	hypo	CHH	-0.0731
Gm01	51153595	51154593	Gmdrm	hypo	CHH	-0.0178
Gm01	51156431	51157420	Gmdrm	hypo	CHH	-0.0132

Gm01	51157891	51158887	Gmdrm	hypo	CHH	-0.0855
Gm01	51158905	51159892	Gmdrm	hypo	CHH	-0.1026
Gm01	51172050	51173039	Gmdrm	hypo	CHH	-0.034
Gm01	51176847	51177234	Gmdrm	hypo	CHH	-0.0655
Gm01	51177391	51178362	Gmdrm	hypo	CHH	-0.0205
Gm01	51178401	51179400	Gmdrm	hypo	CHH	-0.047
Gm01	51184979	51185901	Gmdrm	hypo	CHH	-0.2977
Gm01	51188623	51189552	Gmdrm	hypo	CHH	-0.0123
Gm01	51193419	51193796	Gmdrm	hypo	CHH	-0.0547
Gm01	51195581	51196240	Gmdrm	hypo	CHH	-0.023
Gm01	51215786	51216786	Gmdrm	hypo	CHH	-0.201
Gm01	51216788	51217754	Gmdrm	hypo	CHH	-0.2029
Gm01	51220327	51220939	Gmdrm	hypo	CHH	-0.2703
Gm01	51224420	51225367	Gmdrm	hypo	CHH	-0.0234
Gm01	51226424	51226901	Gmdrm	hypo	CHH	-0.0305
Gm01	51231162	51232162	Gmdrm	hypo	CHH	-0.1111
Gm01	51232163	51233143	Gmdrm	hypo	CHH	-0.0604
Gm01	51233171	51234154	Gmdrm	hypo	CHH	-0.0141
Gm01	51234364	51235348	Gmdrm	hypo	CHH	-0.0142
Gm01	51235703	51235752	Gmdrm	hypo	CHH	-0.072
Gm01	51236901	51237900	Gmdrm	hypo	CHH	-0.0642
Gm01	51246699	51247676	Gmdrm	hypo	CHH	-0.0184
Gm01	51252406	51253394	Gmdrm	hypo	CHH	-0.1059
Gm01	51277176	51278176	Gmdrm	hypo	CHH	-0.0248
Gm01	51278178	51279170	Gmdrm	hypo	CHH	-0.0224
Gm01	51295499	51295869	Gmdrm	hypo	CHH	-0.055
Gm01	51298286	51298560	Gmdrm	hypo	CHH	-0.0241
Gm01	51300360	51301342	Gmdrm	hypo	CHH	-0.017
Gm01	51301375	51302337	Gmdrm	hypo	CHH	-0.0268
Gm01	51311813	51312803	Gmdrm	hypo	CHH	-0.0539
Gm01	51319126	51319537	Gmdrm	hypo	CHH	-0.0479
Gm01	51319978	51320972	Gmdrm	hypo	CHH	-0.0154
Gm01	51333644	51334644	Gmdrm	hypo	CHH	-0.0132
Gm01	51344263	51345258	Gmdrm	hypo	CHH	-0.0175
Gm01	51357661	51358655	Gmdrm	hypo	CHH	-0.0244
Gm01	51373257	51374232	Gmdrm	hypo	CHH	-0.0484
Gm01	51374688	51375688	Gmdrm	hypo	CHH	-0.0477
Gm01	51375691	51376690	Gmdrm	hypo	CHH	-0.0389
Gm01	51385127	51386113	Gmdrm	hypo	CHH	-0.0138
Gm01	51390188	51391151	Gmdrm	hypo	CHH	-0.0446
Gm01	51393244	51394022	Gmdrm	hypo	CHH	-0.0414
Gm01	51405209	51406207	Gmdrm	hypo	CHH	-0.0616
Gm01	51412306	51413294	Gmdrm	hypo	CHH	-0.02
Gm01	51424655	51425641	Gmdrm	hypo	CHH	-0.0497
Gm01	51425671	51426669	Gmdrm	hypo	CHH	-0.0786
Gm01	51427221	51428220	Gmdrm	hypo	CHH	-0.0194

Gm01	51428231	51429231	Gmdrm	hypo	CHH	-0.0192
Gm01	51429252	51430251	Gmdrm	hypo	CHH	-0.057
Gm01	51430253	51431217	Gmdrm	hypo	CHH	-0.0544
Gm01	51434015	51435012	Gmdrm	hypo	CHH	-0.0825
Gm01	51452770	51453052	Gmdrm	hypo	CHH	-0.0255
Gm01	51457537	51458535	Gmdrm	hypo	CHH	-0.0152
Gm01	51458538	51459535	Gmdrm	hypo	CHH	-0.0604
Gm01	51460564	51461548	Gmdrm	hypo	CHH	-0.0217
Gm01	51470285	51471285	Gmdrm	hypo	CHH	-0.0103
Gm01	51478032	51479026	Gmdrm	hypo	CHH	-0.0141
Gm01	51481250	51481706	Gmdrm	hypo	CHH	-0.015
Gm01	51482867	51483861	Gmdrm	hypo	CHH	-0.0111
Gm01	51486926	51487925	Gmdrm	hypo	CHH	-0.0438
Gm01	51487937	51488299	Gmdrm	hypo	CHH	-0.0722
Gm01	51499473	51500469	Gmdrm	hypo	CHH	-0.0617
Gm01	51500474	51501474	Gmdrm	hypo	CHH	-0.0609
Gm01	51503311	51504307	Gmdrm	hypo	CHH	-0.0256
Gm01	51504314	51505308	Gmdrm	hypo	CHH	-0.039
Gm01	51521557	51522556	Gmdrm	hypo	CHH	-0.0203
Gm01	51548062	51549055	Gmdrm	hypo	CHH	-0.0484
Gm01	51559168	51560138	Gmdrm	hypo	CHH	-0.0158
Gm01	51561178	51561947	Gmdrm	hypo	CHH	-0.1095
Gm01	51562224	51562852	Gmdrm	hypo	CHH	-0.1077
Gm01	51563864	51564788	Gmdrm	hypo	CHH	-0.0961
Gm01	51565868	51566863	Gmdrm	hypo	CHH	-0.0215
Gm01	51570004	51570996	Gmdrm	hypo	CHH	-0.019
Gm01	51571023	51572021	Gmdrm	hypo	CHH	-0.0735
Gm01	51583964	51584841	Gmdrm	hypo	CHH	-0.0182
Gm01	51586057	51586275	Gmdrm	hypo	CHH	-0.0508
Gm01	51590659	51590742	Gmdrm	hypo	CHH	-0.0757
Gm01	51598574	51599574	Gmdrm	hypo	CHH	-0.0556
Gm01	51601635	51602634	Gmdrm	hypo	CHH	-0.0596
Gm01	51616403	51617398	Gmdrm	hypo	CHH	-0.0854
Gm01	51621174	51622166	Gmdrm	hypo	CHH	-0.0383
Gm01	51632190	51633183	Gmdrm	hypo	CHH	-0.0199
Gm01	51637834	51638803	Gmdrm	hypo	CHH	-0.1027
Gm01	51641304	51642272	Gmdrm	hypo	CHH	-0.1581
Gm01	51642339	51643060	Gmdrm	hypo	CHH	-0.0333
Gm01	51653371	51654363	Gmdrm	hypo	CHH	-0.0671
Gm01	51654376	51655360	Gmdrm	hypo	CHH	-0.0481
Gm01	51655392	51656378	Gmdrm	hypo	CHH	-0.0789
Gm01	51659300	51660298	Gmdrm	hypo	CHH	-0.1056
Gm01	51660304	51661259	Gmdrm	hypo	CHH	-0.0475
Gm01	51663764	51663923	Gmdrm	hypo	CHH	-0.0236
Gm01	51665076	51666073	Gmdrm	hypo	CHH	-0.1097
Gm01	51668127	51669117	Gmdrm	hypo	CHH	-0.0737

Gm01	51669142	51669296	Gmdrm	hypo	CHH	-0.0314
Gm01	51677252	51678251	Gmdrm	hypo	CHH	-0.1286
Gm01	51678254	51679240	Gmdrm	hypo	CHH	-0.065
Gm01	51689399	51690374	Gmdrm	hypo	CHH	-0.0946
Gm01	51690403	51691331	Gmdrm	hypo	CHH	-0.2116
Gm01	51704276	51704572	Gmdrm	hypo	CHH	-0.0478
Gm01	51706075	51707023	Gmdrm	hypo	CHH	-0.0636
Gm01	51714863	51715214	Gmdrm	hypo	CHH	-0.491
Gm01	51715470	51716230	Gmdrm	hypo	CHH	-0.3365
Gm01	51722086	51723086	Gmdrm	hypo	CHH	-0.188
Gm01	51723091	51724067	Gmdrm	hypo	CHH	-0.138
Gm01	51727162	51728135	Gmdrm	hypo	CHH	-0.014
Gm01	51730099	51731009	Gmdrm	hypo	CHH	-0.0905
Gm01	51733743	51734739	Gmdrm	hypo	CHH	-0.0192
Gm01	51737673	51738673	Gmdrm	hypo	CHH	-0.331
Gm01	51740879	51741879	Gmdrm	hypo	CHH	-0.0729
Gm01	51745846	51746715	Gmdrm	hypo	CHH	-0.0251
Gm01	51747952	51748430	Gmdrm	hypo	CHH	-0.0327
Gm01	51764333	51765147	Gmdrm	hypo	CHH	-0.015
Gm01	51766097	51767079	Gmdrm	hypo	CHH	-0.0252
Gm01	51774562	51774665	Gmdrm	hypo	CHH	-0.0717
Gm01	51777597	51778594	Gmdrm	hypo	CHH	-0.0473
Gm01	51778598	51779591	Gmdrm	hypo	CHH	-0.0153
Gm01	51779601	51780601	Gmdrm	hypo	CHH	-0.0316
Gm01	51789396	51790381	Gmdrm	hypo	CHH	-0.0724
Gm01	51802160	51802428	Gmdrm	hypo	CHH	-0.0223
Gm01	51806633	51807631	Gmdrm	hypo	CHH	-0.057
Gm01	51808638	51809636	Gmdrm	hypo	CHH	-0.0654
Gm01	51819491	51819953	Gmdrm	hypo	CHH	-0.0221
Gm01	51820063	51820869	Gmdrm	hypo	CHH	-0.0167
Gm01	51821120	51822118	Gmdrm	hypo	CHH	-0.1859
Gm01	51822121	51823107	Gmdrm	hypo	CHH	-0.1472
Gm01	51825653	51826653	Gmdrm	hypo	CHH	-0.0163
Gm01	51849099	51850098	Gmdrm	hypo	CHH	-0.0642
Gm01	51858698	51859695	Gmdrm	hypo	CHH	-0.0214
Gm01	51860168	51861157	Gmdrm	hypo	CHH	-0.0233
Gm01	51861179	51862176	Gmdrm	hypo	CHH	-0.0409
Gm01	51869161	51870127	Gmdrm	hypo	CHH	-0.0184
Gm01	51875958	51876924	Gmdrm	hypo	CHH	-0.0243
Gm01	51895128	51896101	Gmdrm	hypo	CHH	-0.0112
Gm01	51896204	51897187	Gmdrm	hypo	CHH	-0.014
Gm01	51898242	51899241	Gmdrm	hypo	CHH	-0.0158
Gm01	51904852	51905831	Gmdrm	hypo	CHH	-0.0123
Gm01	51906867	51907122	Gmdrm	hypo	CHH	-0.0378
Gm01	51907304	51907538	Gmdrm	hypo	CHH	-0.0427
Gm01	51913611	51914605	Gmdrm	hypo	CHH	-0.0634

Gm01	51914624	51915055	Gmdrm	hypo	CHH	-0.0592
Gm01	51915301	51916287	Gmdrm	hypo	CHH	-0.0457
Gm01	51920180	51921179	Gmdrm	hypo	CHH	-0.1237
Gm01	51929492	51930482	Gmdrm	hypo	CHH	-0.0744
Gm01	51932561	51933557	Gmdrm	hypo	CHH	-0.0172
Gm01	51940862	51941851	Gmdrm	hypo	CHH	-0.0144
Gm01	51951675	51952663	Gmdrm	hypo	CHH	-0.059
Gm01	51952687	51953682	Gmdrm	hypo	CHH	-0.0382
Gm01	51955032	51956016	Gmdrm	hypo	CHH	-0.0703
Gm01	51956036	51957000	Gmdrm	hypo	CHH	-0.0416
Gm01	51972498	51973497	Gmdrm	hypo	CHH	-0.1265
Gm01	51973499	51974499	Gmdrm	hypo	CHH	-0.1192
Gm01	51977404	51978389	Gmdrm	hypo	CHH	-0.0218
Gm01	51988834	51989825	Gmdrm	hypo	CHH	-0.0427
Gm01	51989836	51990818	Gmdrm	hypo	CHH	-0.0178
Gm01	51992870	51993862	Gmdrm	hypo	CHH	-0.0108
Gm01	51996562	51997544	Gmdrm	hypo	CHH	-0.0121
Gm01	52000612	52001569	Gmdrm	hypo	CHH	-0.0172
Gm01	52001980	52002453	Gmdrm	hypo	CHH	-0.206
Gm01	52008729	52009714	Gmdrm	hypo	CHH	-0.0855
Gm01	52028006	52029003	Gmdrm	hypo	CHH	-0.0568
Gm01	52038175	52039173	Gmdrm	hypo	CHH	-0.029
Gm01	52056781	52057725	Gmdrm	hypo	CHH	-0.103
Gm01	52058350	52059336	Gmdrm	hypo	CHH	-0.1079
Gm01	52061400	52062400	Gmdrm	hypo	CHH	-0.0306
Gm01	52069237	52069659	Gmdrm	hypo	CHH	-0.0217
Gm01	52075072	52076070	Gmdrm	hypo	CHH	-0.1227
Gm01	52076073	52077073	Gmdrm	hypo	CHH	-0.0755
Gm01	52081090	52082081	Gmdrm	hypo	CHH	-0.0534
Gm01	52082107	52083097	Gmdrm	hypo	CHH	-0.0738
Gm01	52083141	52084120	Gmdrm	hypo	CHH	-0.309
Gm01	52087938	52088919	Gmdrm	hypo	CHH	-0.0839
Gm01	52090895	52091892	Gmdrm	hypo	CHH	-0.0262
Gm01	52092036	52093014	Gmdrm	hypo	CHH	-0.1346
Gm01	52100156	52101150	Gmdrm	hypo	CHH	-0.0231
Gm01	52103202	52104201	Gmdrm	hypo	CHH	-0.1115
Gm01	52104211	52105211	Gmdrm	hypo	CHH	-0.0551
Gm01	52123292	52124292	Gmdrm	hypo	CHH	-0.1804
Gm01	52128338	52129315	Gmdrm	hypo	CHH	-0.0881
Gm01	52136586	52137471	Gmdrm	hypo	CHH	-0.0186
Gm01	52143179	52144085	Gmdrm	hypo	CHH	-0.0171
Gm01	52159412	52159790	Gmdrm	hypo	CHH	-0.0461
Gm01	52159915	52160903	Gmdrm	hypo	CHH	-0.0203
Gm01	52172779	52173769	Gmdrm	hypo	CHH	-0.0215
Gm01	52188948	52189905	Gmdrm	hypo	CHH	-0.014
Gm01	52192004	52192998	Gmdrm	hypo	CHH	-0.0308

Gm01	52195587	52196575	Gmdrm	hypo	CHH	-0.3669
Gm01	52196608	52196952	Gmdrm	hypo	CHH	-0.0256
Gm01	52197087	52198078	Gmdrm	hypo	CHH	-0.1773
Gm01	52198117	52199107	Gmdrm	hypo	CHH	-0.0582
Gm01	52199130	52200120	Gmdrm	hypo	CHH	-0.0505
Gm01	52200131	52201130	Gmdrm	hypo	CHH	-0.1089
Gm01	52201152	52202148	Gmdrm	hypo	CHH	-0.0141
Gm01	52211183	52212181	Gmdrm	hypo	CHH	-0.0163
Gm01	52217871	52218853	Gmdrm	hypo	CHH	-0.0121
Gm01	52219538	52220274	Gmdrm	hypo	CHH	-0.0322
Gm01	52227367	52228217	Gmdrm	hypo	CHH	-0.0261
Gm01	52229589	52230587	Gmdrm	hypo	CHH	-0.1652
Gm01	52230590	52231558	Gmdrm	hypo	CHH	-0.1749
Gm01	52236781	52237773	Gmdrm	hypo	CHH	-0.0117
Gm01	52237796	52238789	Gmdrm	hypo	CHH	-0.0175
Gm01	52239182	52239811	Gmdrm	hypo	CHH	-0.0191
Gm01	52246728	52247714	Gmdrm	hypo	CHH	-0.0184
Gm01	52247738	52248408	Gmdrm	hypo	CHH	-0.022
Gm01	52258355	52258705	Gmdrm	hypo	CHH	-0.0528
Gm01	52264381	52265379	Gmdrm	hypo	CHH	-0.0392
Gm01	52265420	52266014	Gmdrm	hypo	CHH	-0.0559
Gm01	52267924	52268890	Gmdrm	hypo	CHH	-0.0533
Gm01	52272114	52273113	Gmdrm	hypo	CHH	-0.0272
Gm01	52275722	52276509	Gmdrm	hypo	CHH	-0.0272
Gm01	52279958	52280709	Gmdrm	hypo	CHH	-0.0141
Gm01	52285242	52286241	Gmdrm	hypo	CHH	-0.0259
Gm01	52289266	52290264	Gmdrm	hypo	CHH	-0.0307
Gm01	52290268	52290798	Gmdrm	hypo	CHH	-0.07
Gm01	52290930	52291926	Gmdrm	hypo	CHH	-0.0593
Gm01	52291932	52292913	Gmdrm	hypo	CHH	-0.0503
Gm01	52292942	52293940	Gmdrm	hypo	CHH	-0.0194
Gm01	52303781	52304762	Gmdrm	hypo	CHH	-0.0215
Gm01	52308757	52309754	Gmdrm	hypo	CHH	-0.0159
Gm01	52309771	52310713	Gmdrm	hypo	CHH	-0.0174
Gm01	52315721	52316720	Gmdrm	hypo	CHH	-0.0545
Gm01	52316722	52317721	Gmdrm	hypo	CHH	-0.1188
Gm01	52318767	52319763	Gmdrm	hypo	CHH	-0.0848
Gm01	52339698	52340674	Gmdrm	hypo	CHH	-0.0334
Gm01	52340719	52341717	Gmdrm	hypo	CHH	-0.0139
Gm01	52370441	52371441	Gmdrm	hypo	CHH	-0.1032
Gm01	52404468	52405464	Gmdrm	hypo	CHH	-0.0158
Gm01	52411316	52412293	Gmdrm	hypo	CHH	-0.0411
Gm01	52418590	52419563	Gmdrm	hypo	CHH	-0.0256
Gm01	52422696	52423653	Gmdrm	hypo	CHH	-0.0871
Gm01	52427099	52427894	Gmdrm	hypo	CHH	-0.078
Gm01	52435632	52436611	Gmdrm	hypo	CHH	-0.0249

Gm01	52468866	52469858	Gmdrm	hypo	CHH	-0.1552
Gm01	52469870	52470852	Gmdrm	hypo	CHH	-0.0654
Gm01	52472321	52473277	Gmdrm	hypo	CHH	-0.0205
Gm01	52477149	52478134	Gmdrm	hypo	CHH	-0.0177
Gm01	52482291	52483289	Gmdrm	hypo	CHH	-0.0396
Gm01	52483293	52484288	Gmdrm	hypo	CHH	-0.0991
Gm01	52493752	52494744	Gmdrm	hypo	CHH	-0.0136
Gm01	52495775	52496762	Gmdrm	hypo	CHH	-0.1169
Gm01	52505683	52506680	Gmdrm	hypo	CHH	-0.0137
Gm01	52506686	52507038	Gmdrm	hypo	CHH	-0.0825
Gm01	52509200	52510180	Gmdrm	hypo	CHH	-0.2941
Gm01	52510241	52510458	Gmdrm	hypo	CHH	-0.0291
Gm01	52517122	52518122	Gmdrm	hypo	CHH	-0.1425
Gm01	52520967	52521916	Gmdrm	hypo	CHH	-0.0229
Gm01	52528975	52529933	Gmdrm	hypo	CHH	-0.0211
Gm01	52531019	52532017	Gmdrm	hypo	CHH	-0.0855
Gm01	52543491	52544471	Gmdrm	hypo	CHH	-0.0214
Gm01	52550602	52551590	Gmdrm	hypo	CHH	-0.3901
Gm01	52569383	52570382	Gmdrm	hypo	CHH	-0.1864
Gm01	52570385	52571363	Gmdrm	hypo	CHH	-0.066
Gm01	52571399	52572369	Gmdrm	hypo	CHH	-0.0656
Gm01	52587524	52588523	Gmdrm	hypo	CHH	-0.016
Gm01	52597158	52598153	Gmdrm	hypo	CHH	-0.0926
Gm01	52598168	52598885	Gmdrm	hypo	CHH	-0.0695
Gm01	52599233	52600157	Gmdrm	hypo	CHH	-0.1197
Gm01	52605629	52606624	Gmdrm	hypo	CHH	-0.3671
Gm01	52606630	52607591	Gmdrm	hypo	CHH	-0.3182
Gm01	52608978	52609968	Gmdrm	hypo	CHH	-0.0207
Gm01	52609981	52610972	Gmdrm	hypo	CHH	-0.0615
Gm01	52610982	52611981	Gmdrm	hypo	CHH	-0.0209
Gm01	52612597	52613584	Gmdrm	hypo	CHH	-0.0341
Gm01	52642519	52642668	Gmdrm	hypo	CHH	-0.0358
Gm01	52645554	52646551	Gmdrm	hypo	CHH	-0.2642
Gm01	52646565	52647563	Gmdrm	hypo	CHH	-0.2662
Gm01	52647569	52648547	Gmdrm	hypo	CHH	-0.2509
Gm01	52648589	52649582	Gmdrm	hypo	CHH	-0.0193
Gm01	52649590	52650589	Gmdrm	hypo	CHH	-0.0267
Gm01	52658232	52659228	Gmdrm	hypo	CHH	-0.1881
Gm01	52663335	52664281	Gmdrm	hypo	CHH	-0.0324
Gm01	52667474	52668425	Gmdrm	hypo	CHH	-0.0826
Gm01	52670139	52671136	Gmdrm	hypo	CHH	-0.1187
Gm01	52677201	52677893	Gmdrm	hypo	CHH	-0.0935
Gm01	52688727	52689715	Gmdrm	hypo	CHH	-0.0196
Gm01	52695119	52696118	Gmdrm	hypo	CHH	-0.0164
Gm01	52710772	52711749	Gmdrm	hypo	CHH	-0.0215
Gm01	52713730	52714163	Gmdrm	hypo	CHH	-0.0525

Gm01	52721918	52722915	Gmdrm	hypo	CHH	-0.0134
Gm01	52722975	52723973	Gmdrm	hypo	CHH	-0.0585
Gm01	52723987	52724387	Gmdrm	hypo	CHH	-0.23
Gm01	52726540	52727535	Gmdrm	hypo	CHH	-0.0466
Gm01	52727764	52728764	Gmdrm	hypo	CHH	-0.0201
Gm01	52728770	52729526	Gmdrm	hypo	CHH	-0.0224
Gm01	52729648	52730575	Gmdrm	hypo	CHH	-0.0335
Gm01	52731328	52731579	Gmdrm	hypo	CHH	-0.0281
Gm01	52732701	52733693	Gmdrm	hypo	CHH	-0.0173
Gm01	52735728	52736709	Gmdrm	hypo	CHH	-0.1733
Gm01	52766599	52767597	Gmdrm	hypo	CHH	-0.0166
Gm01	52771660	52772600	Gmdrm	hypo	CHH	-0.1651
Gm01	52785497	52786491	Gmdrm	hypo	CHH	-0.0675
Gm01	52786500	52787500	Gmdrm	hypo	CHH	-0.1114
Gm01	52787501	52788493	Gmdrm	hypo	CHH	-0.067
Gm01	52789527	52790524	Gmdrm	hypo	CHH	-0.0454
Gm01	52810272	52810994	Gmdrm	hypo	CHH	-0.026
Gm01	52815912	52816273	Gmdrm	hypo	CHH	-0.0231
Gm01	52816508	52817501	Gmdrm	hypo	CHH	-0.049
Gm01	52818077	52819075	Gmdrm	hypo	CHH	-0.0813
Gm01	52820082	52821067	Gmdrm	hypo	CHH	-0.0767
Gm01	52821086	52821239	Gmdrm	hypo	CHH	-0.2653
Gm01	52830778	52831746	Gmdrm	hypo	CHH	-0.0182
Gm01	52836066	52837064	Gmdrm	hypo	CHH	-0.0804
Gm01	52848695	52849679	Gmdrm	hypo	CHH	-0.0583
Gm01	52852741	52853741	Gmdrm	hypo	CHH	-0.0236
Gm01	52853746	52854414	Gmdrm	hypo	CHH	-0.0824
Gm01	52854768	52855766	Gmdrm	hypo	CHH	-0.0502
Gm01	52860571	52861568	Gmdrm	hypo	CHH	-0.0169
Gm01	52867273	52868273	Gmdrm	hypo	CHH	-0.187
Gm01	52868282	52869265	Gmdrm	hypo	CHH	-0.0417
Gm01	52869304	52870303	Gmdrm	hypo	CHH	-0.0145
Gm01	52870306	52871303	Gmdrm	hypo	CHH	-0.1119
Gm01	52877322	52878287	Gmdrm	hypo	CHH	-0.0506
Gm01	52896965	52897424	Gmdrm	hypo	CHH	-0.0383
Gm01	52899075	52900030	Gmdrm	hypo	CHH	-0.0195
Gm01	52911848	52912840	Gmdrm	hypo	CHH	-0.0626
Gm01	52914172	52915063	Gmdrm	hypo	CHH	-0.0198
Gm01	52923451	52924447	Gmdrm	hypo	CHH	-0.2114
Gm01	52924454	52925222	Gmdrm	hypo	CHH	-0.1511
Gm01	52926267	52927260	Gmdrm	hypo	CHH	-0.1595
Gm01	52931295	52931552	Gmdrm	hypo	CHH	-0.1655
Gm01	52931719	52932719	Gmdrm	hypo	CHH	-0.0384
Gm01	52934898	52935448	Gmdrm	hypo	CHH	-0.0276
Gm01	52937787	52938780	Gmdrm	hypo	CHH	-0.0968
Gm01	52938788	52939784	Gmdrm	hypo	CHH	-0.1284

Gm01	52953842	52954177	Gmdrm	hypo	CHH	-0.0341
Gm01	52970638	52971619	Gmdrm	hypo	CHH	-0.0491
Gm01	52974023	52975003	Gmdrm	hypo	CHH	-0.0183
Gm01	52982763	52983725	Gmdrm	hypo	CHH	-0.045
Gm01	52999929	53000927	Gmdrm	hypo	CHH	-0.0335
Gm01	53000932	53001930	Gmdrm	hypo	CHH	-0.0648
Gm01	53008371	53009366	Gmdrm	hypo	CHH	-0.1858
Gm01	53009714	53010438	Gmdrm	hypo	CHH	-0.0787
Gm01	53013506	53014486	Gmdrm	hypo	CHH	-0.0357
Gm01	53014507	53015502	Gmdrm	hypo	CHH	-0.0277
Gm01	53037671	53038667	Gmdrm	hypo	CHH	-0.1315
Gm01	53042336	53042466	Gmdrm	hypo	CHH	-0.114
Gm01	53050225	53051208	Gmdrm	hypo	CHH	-0.0124
Gm01	53065247	53066199	Gmdrm	hypo	CHH	-0.1181
Gm01	53067458	53068425	Gmdrm	hypo	CHH	-0.0161
Gm01	53071596	53072586	Gmdrm	hypo	CHH	-0.0171
Gm01	53082484	53083474	Gmdrm	hypo	CHH	-0.102
Gm01	53083497	53084469	Gmdrm	hypo	CHH	-0.0407
Gm01	53084544	53085497	Gmdrm	hypo	CHH	-0.0269
Gm01	53095175	53096119	Gmdrm	hypo	CHH	-0.0177
Gm01	53100681	53101681	Gmdrm	hypo	CHH	-0.0285
Gm01	53105100	53106098	Gmdrm	hypo	CHH	-0.0155
Gm01	53114195	53115185	Gmdrm	hypo	CHH	-0.0735
Gm01	53116208	53117197	Gmdrm	hypo	CHH	-0.015
Gm01	53118229	53119223	Gmdrm	hypo	CHH	-0.0402
Gm01	53119231	53120231	Gmdrm	hypo	CHH	-0.0496
Gm01	53122549	53123545	Gmdrm	hypo	CHH	-0.1647
Gm01	53123550	53124510	Gmdrm	hypo	CHH	-0.0791
Gm01	53129764	53130437	Gmdrm	hypo	CHH	-0.0251
Gm01	53130539	53131447	Gmdrm	hypo	CHH	-0.0136
Gm01	53151178	53152170	Gmdrm	hypo	CHH	-0.0228
Gm01	53169933	53170930	Gmdrm	hypo	CHH	-0.0449
Gm01	53170936	53171935	Gmdrm	hypo	CHH	-0.0557
Gm01	53171943	53172904	Gmdrm	hypo	CHH	-0.0229
Gm01	53188068	53189050	Gmdrm	hypo	CHH	-0.0352
Gm01	53189069	53190057	Gmdrm	hypo	CHH	-0.0614
Gm01	53191097	53191469	Gmdrm	hypo	CHH	-0.0438
Gm01	53203627	53204249	Gmdrm	hypo	CHH	-0.02
Gm01	53211508	53212508	Gmdrm	hypo	CHH	-0.0754
Gm01	53213519	53214518	Gmdrm	hypo	CHH	-0.0399
Gm01	53222965	53223944	Gmdrm	hypo	CHH	-0.0243
Gm01	53244689	53244981	Gmdrm	hypo	CHH	-0.0425
Gm01	53245083	53245823	Gmdrm	hypo	CHH	-0.0309
Gm01	53257874	53258870	Gmdrm	hypo	CHH	-0.0383
Gm01	53269986	53270966	Gmdrm	hypo	CHH	-0.0208
Gm01	53270996	53271992	Gmdrm	hypo	CHH	-0.2656

Gm01	53272014	53273012	Gmdrm	hypo	CHH	-0.024
Gm01	53273087	53274036	Gmdrm	hypo	CHH	-0.0169
Gm01	53277126	53277887	Gmdrm	hypo	CHH	-0.0726
Gm01	53281058	53282058	Gmdrm	hypo	CHH	-0.0495
Gm01	53282061	53283050	Gmdrm	hypo	CHH	-0.0458
Gm01	53292398	53293388	Gmdrm	hypo	CHH	-0.0174
Gm01	53294414	53294983	Gmdrm	hypo	CHH	-0.0342
Gm01	53299630	53299916	Gmdrm	hypo	CHH	-0.0328
Gm01	53308840	53309828	Gmdrm	hypo	CHH	-0.2887
Gm01	53321857	53322853	Gmdrm	hypo	CHH	-0.187
Gm01	53322890	53323887	Gmdrm	hypo	CHH	-0.1933
Gm01	53325952	53326866	Gmdrm	hypo	CHH	-0.2173
Gm01	53333410	53334158	Gmdrm	hypo	CHH	-0.0398
Gm01	53345240	53346237	Gmdrm	hypo	CHH	-0.0307
Gm01	53355144	53355896	Gmdrm	hypo	CHH	-0.0264
Gm01	53356000	53356600	Gmdrm	hypo	CHH	-0.0208
Gm01	53360969	53361945	Gmdrm	hypo	CHH	-0.0182
Gm01	53361977	53362467	Gmdrm	hypo	CHH	-0.0304
Gm01	53394117	53394474	Gmdrm	hypo	CHH	-0.0682
Gm01	53399220	53400199	Gmdrm	hypo	CHH	-0.0151
Gm01	53410236	53410852	Gmdrm	hypo	CHH	-0.0414
Gm01	53416598	53417581	Gmdrm	hypo	CHH	-0.0202
Gm01	53419106	53420094	Gmdrm	hypo	CHH	-0.0297
Gm01	53422322	53422480	Gmdrm	hypo	CHH	-0.046
Gm01	53423048	53424040	Gmdrm	hypo	CHH	-0.0154
Gm01	53424050	53425035	Gmdrm	hypo	CHH	-0.1062
Gm01	53425051	53426044	Gmdrm	hypo	CHH	-0.0122
Gm01	53428562	53429211	Gmdrm	hypo	CHH	-0.0185
Gm01	53442274	53443274	Gmdrm	hypo	CHH	-0.0371
Gm01	53444346	53445331	Gmdrm	hypo	CHH	-0.0644
Gm01	53445348	53446346	Gmdrm	hypo	CHH	-0.0881
Gm01	53446350	53447325	Gmdrm	hypo	CHH	-0.1244
Gm01	53449795	53450790	Gmdrm	hypo	CHH	-0.1468
Gm01	53464370	53465350	Gmdrm	hypo	CHH	-0.0146
Gm01	53466403	53467359	Gmdrm	hypo	CHH	-0.0229
Gm01	53477909	53478891	Gmdrm	hypo	CHH	-0.0912
Gm01	53478918	53479910	Gmdrm	hypo	CHH	-0.0312
Gm01	53479922	53480922	Gmdrm	hypo	CHH	-0.0727
Gm01	53488984	53489971	Gmdrm	hypo	CHH	-0.0438
Gm01	53492719	53493719	Gmdrm	hypo	CHH	-0.0585
Gm01	53493736	53494716	Gmdrm	hypo	CHH	-0.0726
Gm01	53518655	53519654	Gmdrm	hypo	CHH	-0.027
Gm01	53519657	53520147	Gmdrm	hypo	CHH	-0.0275
Gm01	53522522	53523402	Gmdrm	hypo	CHH	-0.0382
Gm01	53523579	53524574	Gmdrm	hypo	CHH	-0.0251
Gm01	53529326	53530311	Gmdrm	hypo	CHH	-0.2035

Gm01	53530328	53531326	Gmdrm	hypo	CHH	-0.2448
Gm01	53539469	53540432	Gmdrm	hypo	CHH	-0.0593
Gm01	53542918	53543917	Gmdrm	hypo	CHH	-0.0401
Gm01	53551053	53552039	Gmdrm	hypo	CHH	-0.218
Gm01	53552054	53553051	Gmdrm	hypo	CHH	-0.0901
Gm01	53553058	53554047	Gmdrm	hypo	CHH	-0.1036
Gm01	53561052	53562049	Gmdrm	hypo	CHH	-0.0836
Gm01	53564058	53565055	Gmdrm	hypo	CHH	-0.1524
Gm01	53565075	53566002	Gmdrm	hypo	CHH	-0.0338
Gm01	53576410	53577404	Gmdrm	hypo	CHH	-0.0335
Gm01	53577412	53578402	Gmdrm	hypo	CHH	-0.1312
Gm01	53578428	53579331	Gmdrm	hypo	CHH	-0.059
Gm01	53580152	53581137	Gmdrm	hypo	CHH	-0.0231
Gm01	53590655	53591655	Gmdrm	hypo	CHH	-0.0219
Gm01	53591661	53591986	Gmdrm	hypo	CHH	-0.0241
Gm01	53597885	53598864	Gmdrm	hypo	CHH	-0.0155
Gm01	53599905	53600896	Gmdrm	hypo	CHH	-0.1069
Gm01	53600906	53601593	Gmdrm	hypo	CHH	-0.0929
Gm01	53601712	53602695	Gmdrm	hypo	CHH	-0.2461
Gm01	53603751	53604609	Gmdrm	hypo	CHH	-0.0749
Gm01	53606516	53607496	Gmdrm	hypo	CHH	-0.0195
Gm01	53607521	53608520	Gmdrm	hypo	CHH	-0.0551
Gm01	53608522	53609510	Gmdrm	hypo	CHH	-0.0498
Gm01	53618002	53618975	Gmdrm	hypo	CHH	-0.0111
Gm01	53629804	53630803	Gmdrm	hypo	CHH	-0.0298
Gm01	53641144	53642140	Gmdrm	hypo	CHH	-0.0199
Gm01	53652348	53653321	Gmdrm	hypo	CHH	-0.0702
Gm01	53658338	53659326	Gmdrm	hypo	CHH	-0.0748
Gm01	53659346	53660242	Gmdrm	hypo	CHH	-0.2118
Gm01	53665809	53666806	Gmdrm	hypo	CHH	-0.145
Gm01	53674642	53675637	Gmdrm	hypo	CHH	-0.2543
Gm01	53676615	53676882	Gmdrm	hypo	CHH	-0.0414
Gm01	53681916	53682899	Gmdrm	hypo	CHH	-0.0143
Gm01	53689739	53690099	Gmdrm	hypo	CHH	-0.0313
Gm01	53697259	53698255	Gmdrm	hypo	CHH	-0.1086
Gm01	53698265	53699184	Gmdrm	hypo	CHH	-0.2485
Gm01	53702587	53703568	Gmdrm	hypo	CHH	-0.0234
Gm01	53706106	53707088	Gmdrm	hypo	CHH	-0.0356
Gm01	53730351	53731345	Gmdrm	hypo	CHH	-0.3361
Gm01	53731357	53731675	Gmdrm	hypo	CHH	-0.1183
Gm01	53732807	53733781	Gmdrm	hypo	CHH	-0.17
Gm01	53738730	53739281	Gmdrm	hypo	CHH	-0.0127
Gm01	53740289	53741281	Gmdrm	hypo	CHH	-0.0497
Gm01	53741303	53742292	Gmdrm	hypo	CHH	-0.0192
Gm01	53745800	53746798	Gmdrm	hypo	CHH	-0.0141
Gm01	53749063	53749907	Gmdrm	hypo	CHH	-0.4078

Gm01	53750011	53750986	Gmdrm	hypo	CHH	-0.0862
Gm01	53751018	53751983	Gmdrm	hypo	CHH	-0.04
Gm01	53756731	53757668	Gmdrm	hypo	CHH	-0.0183
Gm01	53766584	53767573	Gmdrm	hypo	CHH	-0.026
Gm01	53810692	53811692	Gmdrm	hypo	CHH	-0.1362
Gm01	53811698	53812493	Gmdrm	hypo	CHH	-0.2896
Gm01	53812716	53813697	Gmdrm	hypo	CHH	-0.0214
Gm01	53816430	53817424	Gmdrm	hypo	CHH	-0.2498
Gm01	53819436	53820432	Gmdrm	hypo	CHH	-0.0275
Gm01	53821479	53822468	Gmdrm	hypo	CHH	-0.0238
Gm01	53828524	53829524	Gmdrm	hypo	CHH	-0.2507
Gm01	53829530	53830527	Gmdrm	hypo	CHH	-0.3372
Gm01	53836468	53837463	Gmdrm	hypo	CHH	-0.0142
Gm01	53853406	53854171	Gmdrm	hypo	CHH	-0.0723
Gm01	53861406	53862389	Gmdrm	hypo	CHH	-0.2032
Gm01	53868215	53868930	Gmdrm	hypo	CHH	-0.07
Gm01	53878786	53879778	Gmdrm	hypo	CHH	-0.0657
Gm01	53879789	53880777	Gmdrm	hypo	CHH	-0.0191
Gm01	53882089	53883070	Gmdrm	hypo	CHH	-0.1466
Gm01	53884969	53885969	Gmdrm	hypo	CHH	-0.1005
Gm01	53892434	53893389	Gmdrm	hypo	CHH	-0.1178
Gm01	53896951	53897615	Gmdrm	hypo	CHH	-0.0368
Gm01	53898417	53899405	Gmdrm	hypo	CHH	-0.1549
Gm01	53900434	53901427	Gmdrm	hypo	CHH	-0.1414
Gm01	53905733	53906729	Gmdrm	hypo	CHH	-0.0116
Gm01	53914185	53915180	Gmdrm	hypo	CHH	-0.3798
Gm01	53917770	53918665	Gmdrm	hypo	CHH	-0.016
Gm01	53923606	53924602	Gmdrm	hypo	CHH	-0.0666
Gm01	53924617	53925583	Gmdrm	hypo	CHH	-0.0421
Gm01	53925651	53926641	Gmdrm	hypo	CHH	-0.0193
Gm01	53927100	53928089	Gmdrm	hypo	CHH	-0.0233
Gm01	53930611	53931594	Gmdrm	hypo	CHH	-0.0161
Gm01	53934016	53935004	Gmdrm	hypo	CHH	-0.1485
Gm01	53937050	53938022	Gmdrm	hypo	CHH	-0.1384
Gm01	53940229	53940643	Gmdrm	hypo	CHH	-0.0196
Gm01	53942846	53943844	Gmdrm	hypo	CHH	-0.0177
Gm01	53943847	53944685	Gmdrm	hypo	CHH	-0.2753
Gm01	53954093	53955088	Gmdrm	hypo	CHH	-0.0281
Gm01	53997483	53998482	Gmdrm	hypo	CHH	-0.014
Gm01	54004759	54005757	Gmdrm	hypo	CHH	-0.2168
Gm01	54015202	54015807	Gmdrm	hypo	CHH	-0.1064
Gm01	54016925	54017917	Gmdrm	hypo	CHH	-0.0728
Gm01	54019874	54020873	Gmdrm	hypo	CHH	-0.206
Gm01	54020877	54021867	Gmdrm	hypo	CHH	-0.1185
Gm01	54030082	54031047	Gmdrm	hypo	CHH	-0.0163
Gm01	54036467	54037455	Gmdrm	hypo	CHH	-0.0539

Gm01	54037487	54038434	Gmdrm	hypo	CHH	-0.0334
Gm01	54050998	54051990	Gmdrm	hypo	CHH	-0.0519
Gm01	54094059	54095059	Gmdrm	hypo	CHH	-0.0433
Gm01	54095064	54096028	Gmdrm	hypo	CHH	-0.0236
Gm01	54100848	54101845	Gmdrm	hypo	CHH	-0.0224
Gm01	54101869	54102845	Gmdrm	hypo	CHH	-0.0331
Gm01	54107070	54108010	Gmdrm	hypo	CHH	-0.082
Gm01	54108083	54109080	Gmdrm	hypo	CHH	-0.0604
Gm01	54122858	54123853	Gmdrm	hypo	CHH	-0.2065
Gm01	54123870	54124850	Gmdrm	hypo	CHH	-0.1276
Gm01	54129056	54130046	Gmdrm	hypo	CHH	-0.1398
Gm01	54133525	54134498	Gmdrm	hypo	CHH	-0.0129
Gm01	54144451	54145450	Gmdrm	hypo	CHH	-0.0135
Gm01	54185726	54186726	Gmdrm	hypo	CHH	-0.1621
Gm01	54186732	54187127	Gmdrm	hypo	CHH	-0.0904
Gm01	54208597	54209596	Gmdrm	hypo	CHH	-0.0246
Gm01	54211620	54212614	Gmdrm	hypo	CHH	-0.0532
Gm01	54218656	54219650	Gmdrm	hypo	CHH	-0.0358
Gm01	54229890	54230885	Gmdrm	hypo	CHH	-0.0179
Gm01	54235434	54236434	Gmdrm	hypo	CHH	-0.0521
Gm01	54236438	54237423	Gmdrm	hypo	CHH	-0.0618
Gm01	54250804	54251781	Gmdrm	hypo	CHH	-0.0608
Gm01	54255653	54256635	Gmdrm	hypo	CHH	-0.0157
Gm01	54257341	54258334	Gmdrm	hypo	CHH	-0.0293
Gm01	54259046	54260038	Gmdrm	hypo	CHH	-0.0151
Gm01	54266005	54267003	Gmdrm	hypo	CHH	-0.0188
Gm01	54270898	54271308	Gmdrm	hypo	CHH	-0.0212
Gm01	54271956	54272956	Gmdrm	hypo	CHH	-0.3181
Gm01	54272960	54273959	Gmdrm	hypo	CHH	-0.1737
Gm01	54275196	54276172	Gmdrm	hypo	CHH	-0.0348
Gm01	54279847	54280481	Gmdrm	hypo	CHH	-0.0226
Gm01	54290108	54291107	Gmdrm	hypo	CHH	-0.0339
Gm01	54291113	54292097	Gmdrm	hypo	CHH	-0.061
Gm01	54317979	54318978	Gmdrm	hypo	CHH	-0.0442
Gm01	54320998	54321993	Gmdrm	hypo	CHH	-0.1112
Gm01	54322006	54322940	Gmdrm	hypo	CHH	-0.5262
Gm01	54325167	54326146	Gmdrm	hypo	CHH	-0.0573
Gm01	54331810	54332808	Gmdrm	hypo	CHH	-0.1074
Gm01	54332813	54333799	Gmdrm	hypo	CHH	-0.0217
Gm01	54333816	54334807	Gmdrm	hypo	CHH	-0.0274
Gm01	54334875	54335813	Gmdrm	hypo	CHH	-0.05
Gm01	54335992	54336990	Gmdrm	hypo	CHH	-0.0352
Gm01	54342346	54343344	Gmdrm	hypo	CHH	-0.0142
Gm01	54343355	54344352	Gmdrm	hypo	CHH	-0.0365
Gm01	54344357	54345338	Gmdrm	hypo	CHH	-0.038
Gm01	54347421	54348402	Gmdrm	hypo	CHH	-0.0245

Gm01	54349308	54350170	Gmdrm	hypo	CHH	-0.0316
Gm01	54351473	54352455	Gmdrm	hypo	CHH	-0.3637
Gm01	54352480	54352729	Gmdrm	hypo	CHH	-0.0358
Gm01	54357855	54358686	Gmdrm	hypo	CHH	-0.4271
Gm01	54359332	54360326	Gmdrm	hypo	CHH	-0.1819
Gm01	54361359	54362338	Gmdrm	hypo	CHH	-0.0127
Gm01	54366723	54367723	Gmdrm	hypo	CHH	-0.317
Gm01	54369758	54370586	Gmdrm	hypo	CHH	-0.035
Gm01	54375937	54376876	Gmdrm	hypo	CHH	-0.0127
Gm01	54384504	54385481	Gmdrm	hypo	CHH	-0.0227
Gm01	54386388	54387387	Gmdrm	hypo	CHH	-0.093
Gm01	54387395	54388378	Gmdrm	hypo	CHH	-0.1412
Gm01	54389408	54390323	Gmdrm	hypo	CHH	-0.015
Gm01	54399868	54400866	Gmdrm	hypo	CHH	-0.0307
Gm01	54400876	54401839	Gmdrm	hypo	CHH	-0.0783
Gm01	54405719	54406714	Gmdrm	hypo	CHH	-0.0332
Gm01	54420681	54420812	Gmdrm	hypo	CHH	-0.0473
Gm01	54426388	54427381	Gmdrm	hypo	CHH	-0.1215
Gm01	54427396	54428393	Gmdrm	hypo	CHH	-0.0893
Gm01	54430424	54431120	Gmdrm	hypo	CHH	-0.0176
Gm01	54431260	54432257	Gmdrm	hypo	CHH	-0.2062
Gm01	54448697	54449660	Gmdrm	hypo	CHH	-0.0158
Gm01	54449731	54450730	Gmdrm	hypo	CHH	-0.1437
Gm01	54450733	54451732	Gmdrm	hypo	CHH	-0.0198
Gm01	54451735	54452721	Gmdrm	hypo	CHH	-0.0833
Gm01	54456141	54457141	Gmdrm	hypo	CHH	-0.0115
Gm01	54457162	54458162	Gmdrm	hypo	CHH	-0.2345
Gm01	54458167	54459167	Gmdrm	hypo	CHH	-0.1653
Gm01	54459171	54460143	Gmdrm	hypo	CHH	-0.0964
Gm01	54490366	54490936	Gmdrm	hypo	CHH	-0.0245
Gm01	54504040	54504718	Gmdrm	hypo	CHH	-0.0612
Gm01	54522491	54523272	Gmdrm	hypo	CHH	-0.0147
Gm01	54524067	54525063	Gmdrm	hypo	CHH	-0.0361
Gm01	54525068	54525628	Gmdrm	hypo	CHH	-0.0481
Gm01	54525974	54526948	Gmdrm	hypo	CHH	-0.0307
Gm01	54530614	54531559	Gmdrm	hypo	CHH	-0.014
Gm01	54541496	54542470	Gmdrm	hypo	CHH	-0.0195
Gm01	54548440	54549431	Gmdrm	hypo	CHH	-0.0424
Gm01	54575421	54576417	Gmdrm	hypo	CHH	-0.2713
Gm01	54581257	54582255	Gmdrm	hypo	CHH	-0.013
Gm01	54582259	54583227	Gmdrm	hypo	CHH	-0.0488
Gm01	54583264	54584261	Gmdrm	hypo	CHH	-0.0444
Gm01	54584267	54585251	Gmdrm	hypo	CHH	-0.02
Gm01	54585314	54586306	Gmdrm	hypo	CHH	-0.021
Gm01	54594784	54595407	Gmdrm	hypo	CHH	-0.0491
Gm01	54597551	54598551	Gmdrm	hypo	CHH	-0.0147

Gm01	54599584	54600013	Gmdrm	hypo	CHH	-0.025
Gm01	54602024	54603020	Gmdrm	hypo	CHH	-0.032
Gm01	54603033	54604018	Gmdrm	hypo	CHH	-0.0786
Gm01	54604037	54604405	Gmdrm	hypo	CHH	-0.0487
Gm01	54605623	54605958	Gmdrm	hypo	CHH	-0.0493
Gm01	54609252	54609296	Gmdrm	hypo	CHH	-0.0444
Gm01	54614991	54615394	Gmdrm	hypo	CHH	-0.0362
Gm01	54618176	54619090	Gmdrm	hypo	CHH	-0.0497
Gm01	54621042	54622040	Gmdrm	hypo	CHH	-0.0586
Gm01	54623047	54624029	Gmdrm	hypo	CHH	-0.1383
Gm01	54662292	54663280	Gmdrm	hypo	CHH	-0.0685
Gm01	54674413	54675396	Gmdrm	hypo	CHH	-0.091
Gm01	54697131	54697948	Gmdrm	hypo	CHH	-0.0293
Gm01	54700102	54701055	Gmdrm	hypo	CHH	-0.0163
Gm01	54711160	54712156	Gmdrm	hypo	CHH	-0.0378
Gm01	54718209	54719207	Gmdrm	hypo	CHH	-0.1479
Gm01	54719229	54720227	Gmdrm	hypo	CHH	-0.0884
Gm01	54725869	54726868	Gmdrm	hypo	CHH	-0.1358
Gm01	54726870	54727866	Gmdrm	hypo	CHH	-0.0948
Gm01	54737709	54738700	Gmdrm	hypo	CHH	-0.0903
Gm01	54738725	54738957	Gmdrm	hypo	CHH	-0.0974
Gm01	54760192	54761167	Gmdrm	hypo	CHH	-0.0137
Gm01	54766426	54767389	Gmdrm	hypo	CHH	-0.0533
Gm01	54767428	54768403	Gmdrm	hypo	CHH	-0.0374
Gm01	54776504	54776889	Gmdrm	hypo	CHH	-0.05
Gm01	54785316	54786312	Gmdrm	hypo	CHH	-0.0171
Gm01	54786322	54787322	Gmdrm	hypo	CHH	-0.0391
Gm01	54807978	54808975	Gmdrm	hypo	CHH	-0.0547
Gm01	54835620	54836615	Gmdrm	hypo	CHH	-0.0219
Gm01	54841939	54842933	Gmdrm	hypo	CHH	-0.1791
Gm01	54842940	54843672	Gmdrm	hypo	CHH	-0.0673
Gm01	54846810	54847403	Gmdrm	hypo	CHH	-0.0824
Gm01	54855461	54856458	Gmdrm	hypo	CHH	-0.0235
Gm01	54864526	54865517	Gmdrm	hypo	CHH	-0.0511
Gm01	54879469	54880469	Gmdrm	hypo	CHH	-0.0261
Gm01	54880470	54881465	Gmdrm	hypo	CHH	-0.3444
Gm01	54887125	54888118	Gmdrm	hypo	CHH	-0.0253
Gm01	54888130	54889106	Gmdrm	hypo	CHH	-0.0976
Gm01	54906899	54907899	Gmdrm	hypo	CHH	-0.2449
Gm01	54911510	54912505	Gmdrm	hypo	CHH	-0.1042
Gm01	54912515	54913514	Gmdrm	hypo	CHH	-0.0188
Gm01	54915421	54916355	Gmdrm	hypo	CHH	-0.0145
Gm01	54916696	54917695	Gmdrm	hypo	CHH	-0.02
Gm01	54917707	54918700	Gmdrm	hypo	CHH	-0.1396
Gm01	54919748	54920743	Gmdrm	hypo	CHH	-0.0184
Gm01	54921127	54922101	Gmdrm	hypo	CHH	-0.0202

Gm01	54927795	54928756	Gmdrm	hypo	CHH	-0.0733
Gm01	54932104	54933074	Gmdrm	hypo	CHH	-0.15
Gm01	54934111	54935111	Gmdrm	hypo	CHH	-0.0433
Gm01	54940258	54940769	Gmdrm	hypo	CHH	-0.0219
Gm01	54943657	54944570	Gmdrm	hypo	CHH	-0.0123
Gm01	54946677	54947673	Gmdrm	hypo	CHH	-0.0198
Gm01	54960576	54961554	Gmdrm	hypo	CHH	-0.0177
Gm01	54969789	54970772	Gmdrm	hypo	CHH	-0.0131
Gm01	54976336	54977332	Gmdrm	hypo	CHH	-0.1317
Gm01	54982725	54983685	Gmdrm	hypo	CHH	-0.0146
Gm01	54990807	54991795	Gmdrm	hypo	CHH	-0.0542
Gm01	54997917	54998889	Gmdrm	hypo	CHH	-0.0131
Gm01	54998937	54999936	Gmdrm	hypo	CHH	-0.0687
Gm01	55002818	55003801	Gmdrm	hypo	CHH	-0.0211
Gm01	55006289	55007289	Gmdrm	hypo	CHH	-0.0225
Gm01	55008945	55009447	Gmdrm	hypo	CHH	-0.0739
Gm01	55012955	55013953	Gmdrm	hypo	CHH	-0.0362
Gm01	55022808	55023516	Gmdrm	hypo	CHH	-0.0302
Gm01	55023618	55024585	Gmdrm	hypo	CHH	-0.0699
Gm01	55033050	55034042	Gmdrm	hypo	CHH	-0.0198
Gm01	55035329	55036320	Gmdrm	hypo	CHH	-0.0379
Gm01	55036330	55037182	Gmdrm	hypo	CHH	-0.0542
Gm01	55049921	55050908	Gmdrm	hypo	CHH	-0.017
Gm01	55082893	55083887	Gmdrm	hypo	CHH	-0.0509
Gm01	55086006	55086306	Gmdrm	hypo	CHH	-0.0927
Gm01	55100309	55101308	Gmdrm	hypo	CHH	-0.0355
Gm01	55108998	55109989	Gmdrm	hypo	CHH	-0.0149
Gm01	55127968	55128576	Gmdrm	hypo	CHH	-0.4678
Gm01	55129053	55129732	Gmdrm	hypo	CHH	-0.2687
Gm01	55129850	55130838	Gmdrm	hypo	CHH	-0.0805
Gm01	55134080	55135072	Gmdrm	hypo	CHH	-0.0426
Gm01	55135081	55136068	Gmdrm	hypo	CHH	-0.0979
Gm01	55143722	55144688	Gmdrm	hypo	CHH	-0.0239
Gm01	55157341	55158338	Gmdrm	hypo	CHH	-0.0442
Gm01	55158342	55159112	Gmdrm	hypo	CHH	-0.035
Gm01	55159252	55159672	Gmdrm	hypo	CHH	-0.0242
Gm01	55174566	55175558	Gmdrm	hypo	CHH	-0.0305
Gm01	55204681	55205667	Gmdrm	hypo	CHH	-0.0761
Gm01	55222583	55223310	Gmdrm	hypo	CHH	-0.0259
Gm01	55224042	55224682	Gmdrm	hypo	CHH	-0.1562
Gm01	55234967	55235964	Gmdrm	hypo	CHH	-0.0406
Gm01	55235969	55236949	Gmdrm	hypo	CHH	-0.0818
Gm01	55236980	55237554	Gmdrm	hypo	CHH	-0.0213
Gm01	55241537	55242537	Gmdrm	hypo	CHH	-0.0197
Gm01	55242545	55243522	Gmdrm	hypo	CHH	-0.0758
Gm01	55243560	55244557	Gmdrm	hypo	CHH	-0.0725

Gm01	55244563	55245312	Gmdrm	hypo	CHH	-0.0867
Gm01	55254445	55255071	Gmdrm	hypo	CHH	-0.0173
Gm01	55255308	55255981	Gmdrm	hypo	CHH	-0.0361
Gm01	55256083	55256425	Gmdrm	hypo	CHH	-0.0508
Gm01	55265960	55266940	Gmdrm	hypo	CHH	-0.0509
Gm01	55266969	55267969	Gmdrm	hypo	CHH	-0.0671
Gm01	55267973	55268973	Gmdrm	hypo	CHH	-0.0453
Gm01	55269549	55270549	Gmdrm	hypo	CHH	-0.0225
Gm01	55270551	55271549	Gmdrm	hypo	CHH	-0.0169
Gm01	55301110	55302073	Gmdrm	hypo	CHH	-0.0222
Gm01	55302115	55303113	Gmdrm	hypo	CHH	-0.0213
Gm01	55313342	55314342	Gmdrm	hypo	CHH	-0.2047
Gm01	55320595	55321569	Gmdrm	hypo	CHH	-0.0277
Gm01	55328000	55328998	Gmdrm	hypo	CHH	-0.2771
Gm01	55331919	55332919	Gmdrm	hypo	CHH	-0.1403
Gm01	55332924	55333900	Gmdrm	hypo	CHH	-0.1437
Gm01	55344059	55344891	Gmdrm	hypo	CHH	-0.0166
Gm01	55354551	55355531	Gmdrm	hypo	CHH	-0.054
Gm01	55363964	55364963	Gmdrm	hypo	CHH	-0.0152
Gm01	55364965	55365961	Gmdrm	hypo	CHH	-0.0907
Gm01	55382877	55383869	Gmdrm	hypo	CHH	-0.013
Gm01	55384883	55385866	Gmdrm	hypo	CHH	-0.0856
Gm01	55403920	55404894	Gmdrm	hypo	CHH	-0.0167
Gm01	55410171	55410366	Gmdrm	hypo	CHH	-0.082
Gm01	55417408	55417935	Gmdrm	hypo	CHH	-0.03
Gm01	55457669	55458650	Gmdrm	hypo	CHH	-0.0118
Gm01	55459453	55460452	Gmdrm	hypo	CHH	-0.1387
Gm01	55460455	55461364	Gmdrm	hypo	CHH	-0.3144
Gm01	55463534	55464534	Gmdrm	hypo	CHH	-0.0186
Gm01	55465183	55465778	Gmdrm	hypo	CHH	-0.0291
Gm01	55467649	55468596	Gmdrm	hypo	CHH	-0.0137
Gm01	55473078	55474066	Gmdrm	hypo	CHH	-0.0128
Gm01	55488163	55489146	Gmdrm	hypo	CHH	-0.0308
Gm01	55491972	55492971	Gmdrm	hypo	CHH	-0.0638
Gm01	55492976	55493953	Gmdrm	hypo	CHH	-0.2305
Gm01	55503491	55504484	Gmdrm	hypo	CHH	-0.0152
Gm01	55507011	55508011	Gmdrm	hypo	CHH	-0.0251
Gm01	55512798	55513725	Gmdrm	hypo	CHH	-0.0151
Gm01	55516875	55517874	Gmdrm	hypo	CHH	-0.0355
Gm01	55526945	55527910	Gmdrm	hypo	CHH	-0.0491
Gm01	55534719	55535711	Gmdrm	hypo	CHH	-0.0267
Gm01	55551355	55552350	Gmdrm	hypo	CHH	-0.026
Gm01	55553373	55553453	Gmdrm	hypo	CHH	-0.035
Gm01	55559985	55560984	Gmdrm	hypo	CHH	-0.075
Gm01	55563036	55563374	Gmdrm	hypo	CHH	-0.0321
Gm01	55588473	55589324	Gmdrm	hypo	CHH	-0.0329

Gm01	55593489	55594486	Gmdrm	hypo	CHH	-0.0481
Gm01	55594491	55595268	Gmdrm	hypo	CHH	-0.0271
Gm01	55606283	55607282	Gmdrm	hypo	CHH	-0.1091
Gm01	55648085	55649084	Gmdrm	hypo	CHH	-0.0098
Gm01	55660402	55661138	Gmdrm	hypo	CHH	-0.0259
Gm01	55661304	55662291	Gmdrm	hypo	CHH	-0.0211
Gm01	55672294	55673282	Gmdrm	hypo	CHH	-0.0198
Gm01	55677112	55678093	Gmdrm	hypo	CHH	-0.0125
Gm01	55680779	55681656	Gmdrm	hypo	CHH	-0.0352
Gm01	55686852	55687845	Gmdrm	hypo	CHH	-0.0182
Gm01	55697306	55698300	Gmdrm	hypo	CHH	-0.0231
Gm01	55710058	55711044	Gmdrm	hypo	CHH	-0.0125
Gm01	55758519	55759518	Gmdrm	hypo	CHH	-0.0186
Gm01	55759528	55760526	Gmdrm	hypo	CHH	-0.029
Gm01	55764844	55765844	Gmdrm	hypo	CHH	-0.0546
Gm01	55767857	55768673	Gmdrm	hypo	CHH	-0.0367
Gm01	55772822	55773818	Gmdrm	hypo	CHH	-0.0905
Gm01	55785718	55786715	Gmdrm	hypo	CHH	-0.0251
Gm01	55794661	55795658	Gmdrm	hypo	CHH	-0.0885
Gm01	55795664	55796657	Gmdrm	hypo	CHH	-0.1384
Gm01	55804984	55805977	Gmdrm	hypo	CHH	-0.058
Gm01	55812832	55813823	Gmdrm	hypo	CHH	-0.018
Gm01	55829009	55829989	Gmdrm	hypo	CHH	-0.0442
Gm01	55830025	55831007	Gmdrm	hypo	CHH	-0.0248
Gm01	55833446	55834445	Gmdrm	hypo	CHH	-0.0213
Gm01	55835663	55836314	Gmdrm	hypo	CHH	-0.0358
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Gm01	55847500	55848499	Gmdrm	hypo	CHH	-0.0153
Gm01	55848830	55849794	Gmdrm	hypo	CHH	-0.0154
Gm01	55853737	55854673	Gmdrm	hypo	CHH	-0.0145
Gm01	55855779	55856148	Gmdrm	hypo	CHH	-0.0565
Gm01	55871269	55871454	Gmdrm	hypo	CHH	-0.109
Gm01	55874731	55875730	Gmdrm	hypo	CHH	-0.0123
Gm01	55877927	55878908	Gmdrm	hypo	CHH	-0.014
Gm01	55882656	55883637	Gmdrm	hypo	CHH	-0.0244
Gm01	55886126	55887116	Gmdrm	hypo	CHH	-0.0112
Gm01	55887965	55888940	Gmdrm	hypo	CHH	-0.0174
Gm01	55889318	55890263	Gmdrm	hypo	CHH	-0.0275
Gm01	55895571	55896364	Gmdrm	hypo	CHH	-0.0449
Gm01	55934038	55935025	Gmdrm	hypo	CHH	-0.0159
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Gm01	55937575	55938560	Gmdrm	hypo	CHH	-0.0118
Gm01	55945573	55946571	Gmdrm	hypo	CHH	-0.0126
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Gm01	55975854	55976853	Gmdrm	hypo	CHH	-0.0104
Gm01	55984681	55985378	Gmdrm	hypo	CHH	-0.0605

Gm01	55987919	55988884	Gmdrm	hypo	CHH	-0.0155
Gm01	55999800	56000782	Gmdrm	hypo	CHH	-0.0148
Gm01	56038966	56039952	Gmdrm	hypo	CHH	-0.0238
Gm01	56039972	56040139	Gmdrm	hypo	CHH	-0.0816
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Gm01	56043507	56044477	Gmdrm	hypo	CHH	-0.0161
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Gm01	56056631	56057623	Gmdrm	hypo	CHH	-0.1221
Gm01	56064357	56064942	Gmdrm	hypo	CHH	-0.0253
Gm01	56070202	56070857	Gmdrm	hypo	CHH	-0.023
Gm01	56071005	56071995	Gmdrm	hypo	CHH	-0.0179
Gm01	56084440	56085358	Gmdrm	hypo	CHH	-0.0468
Gm01	56093331	56094329	Gmdrm	hypo	CHH	-0.0145
Gm01	56097348	56098342	Gmdrm	hypo	CHH	-0.1985
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Gm01	56111637	56112630	Gmdrm	hypo	CHH	-0.0175
Gm01	56115681	56116681	Gmdrm	hypo	CHH	-0.2177
Gm01	56124638	56125200	Gmdrm	hypo	CHH	-0.0312
Gm01	56130707	56131697	Gmdrm	hypo	CHH	-0.0248
Gm01	56131738	56131829	Gmdrm	hypo	CHH	-0.0592
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Gm01	56139458	56140421	Gmdrm	hypo	CHH	-0.0125
Gm01	56143172	56144164	Gmdrm	hypo	CHH	-0.3798
Gm01	56147467	56148466	Gmdrm	hypo	CHH	-0.1055
Gm01	56148469	56149135	Gmdrm	hypo	CHH	-0.1177
Gm01	56150418	56151399	Gmdrm	hypo	CHH	-0.05
Gm01	56168721	56169716	Gmdrm	hypo	CHH	-0.0418
Gm01	56169749	56170740	Gmdrm	hypo	CHH	-0.1201
Gm01	56172809	56173808	Gmdrm	hypo	CHH	-0.0204
Gm01	56173815	56174788	Gmdrm	hypo	CHH	-0.4638
Gm01	56183148	56183649	Gmdrm	hypo	CHH	-0.0276
Gm01	56186263	56187011	Gmdrm	hypo	CHH	-0.0325
Gm01	56189122	56190074	Gmdrm	hypo	CHH	-0.017
Gm01	56203765	56204765	Gmdrm	hypo	CHH	-0.0861
Gm01	56204767	56205739	Gmdrm	hypo	CHH	-0.0875
Gm01	56210136	56211128	Gmdrm	hypo	CHH	-0.0168
Gm01	56215793	56216746	Gmdrm	hypo	CHH	-0.0247
Gm01	56229935	56230916	Gmdrm	hypo	CHH	-0.1691
Gm01	56243032	56243250	Gmdrm	hypo	CHH	-0.0326
Gm01	56247953	56248929	Gmdrm	hypo	CHH	-0.0934
Gm01	56248974	56249972	Gmdrm	hypo	CHH	-0.0229
Gm01	56258345	56259306	Gmdrm	hypo	CHH	-0.0201
Gm01	56274690	56275689	Gmdrm	hypo	CHH	-0.017
Gm01	56276529	56277505	Gmdrm	hypo	CHH	-0.1666
Gm01	56278249	56279201	Gmdrm	hypo	CHH	-0.0139

Gm01	56280900	56281898	Gmdrm	hypo	CHH	-0.0632
Gm01	56281908	56282901	Gmdrm	hypo	CHH	-0.0379
Gm01	56283951	56284912	Gmdrm	hypo	CHH	-0.0246
Gm01	56292479	56293465	Gmdrm	hypo	CHH	-0.0141
Gm01	56294490	56295422	Gmdrm	hypo	CHH	-0.019
Gm01	56303029	56303555	Gmdrm	hypo	CHH	-0.045
Gm01	56310694	56311674	Gmdrm	hypo	CHH	-0.0092
Gm01	56315956	56316955	Gmdrm	hypo	CHH	-0.0253
Gm01	56328934	56329898	Gmdrm	hypo	CHH	-0.0172
Gm01	56343616	56344615	Gmdrm	hypo	CHH	-0.0901
Gm01	56344619	56345617	Gmdrm	hypo	CHH	-0.054
Gm01	56362631	56363617	Gmdrm	hypo	CHH	-0.0204
Gm01	56363640	56364633	Gmdrm	hypo	CHH	-0.023
Gm01	56365661	56366621	Gmdrm	hypo	CHH	-0.0158
Gm01	56387072	56388067	Gmdrm	hypo	CHH	-0.1864
Gm01	56388075	56389035	Gmdrm	hypo	CHH	-0.1281
Gm01	56409194	56410166	Gmdrm	hypo	CHH	-0.0187
Gm01	56427204	56428052	Gmdrm	hypo	CHH	-0.0207
Gm01	56430194	56430701	Gmdrm	hypo	CHH	-0.025
Gm01	56430819	56431167	Gmdrm	hypo	CHH	-0.0658
Gm01	56442762	56443034	Gmdrm	hypo	CHH	-0.0515
Gm01	56458616	56458988	Gmdrm	hypo	CHH	-0.0212
Gm01	56459109	56460108	Gmdrm	hypo	CHH	-0.0268
Gm01	56467120	56468120	Gmdrm	hypo	CHH	-0.0272
Gm01	56468123	56469111	Gmdrm	hypo	CHH	-0.0228
Gm01	56469154	56469892	Gmdrm	hypo	CHH	-0.0255
Gm01	56470170	56471166	Gmdrm	hypo	CHH	-0.0559
Gm01	56472546	56473541	Gmdrm	hypo	CHH	-0.0263
Gm01	56487291	56488280	Gmdrm	hypo	CHH	-0.1038
Gm01	56492101	56493098	Gmdrm	hypo	CHH	-0.0282
Gm01	56500748	56501741	Gmdrm	hypo	CHH	-0.0298
Gm01	56502804	56503802	Gmdrm	hypo	CHH	-0.1486
Gm01	56503809	56504809	Gmdrm	hypo	CHH	-0.1122
Gm01	56504813	56505812	Gmdrm	hypo	CHH	-0.0763
Gm01	56515222	56516215	Gmdrm	hypo	CHH	-0.0303
Gm01	56516233	56516546	Gmdrm	hypo	CHH	-0.1047
Gm01	56517728	56518726	Gmdrm	hypo	CHH	-0.0195
Gm01	56518842	56519839	Gmdrm	hypo	CHH	-0.015
Gm01	56524200	56525199	Gmdrm	hypo	CHH	-0.1542
Gm01	56525202	56526033	Gmdrm	hypo	CHH	-0.1402
Gm01	56528742	56529729	Gmdrm	hypo	CHH	-0.2129
Gm01	56532704	56533702	Gmdrm	hypo	CHH	-0.0273
Gm01	56534802	56535743	Gmdrm	hypo	CHH	-0.0243
Gm01	56535845	56536841	Gmdrm	hypo	CHH	-0.0169
Gm01	56543069	56543363	Gmdrm	hypo	CHH	-0.0538
Gm01	56564258	56565106	Gmdrm	hypo	CHH	-0.2151

Gm01	56565381	56566360	Gmdrm	hypo	CHH	-0.1667
Gm01	56582354	56583354	Gmdrm	hypo	CHH	-0.0236
Gm01	56584402	56585396	Gmdrm	hypo	CHH	-0.082
Gm01	56585407	56586399	Gmdrm	hypo	CHH	-0.1183
Gm01	56596371	56597369	Gmdrm	hypo	CHH	-0.0736
Gm01	56603995	56604994	Gmdrm	hypo	CHH	-0.0416
Gm01	56605007	56605864	Gmdrm	hypo	CHH	-0.2546
Gm01	56606033	56607023	Gmdrm	hypo	CHH	-0.0534
Gm01	56614373	56615373	Gmdrm	hypo	CHH	-0.0162
Gm01	56616405	56617404	Gmdrm	hypo	CHH	-0.0521
Gm01	56622150	56623140	Gmdrm	hypo	CHH	-0.0125
Gm01	56634803	56635801	Gmdrm	hypo	CHH	-0.0152
Gm01	56635826	56636824	Gmdrm	hypo	CHH	-0.0486
Gm01	56636833	56637830	Gmdrm	hypo	CHH	-0.097
Gm01	56637836	56638781	Gmdrm	hypo	CHH	-0.027
Gm01	56638883	56639486	Gmdrm	hypo	CHH	-0.0334
Gm01	56643114	56644114	Gmdrm	hypo	CHH	-0.0855
Gm01	56644120	56645011	Gmdrm	hypo	CHH	-0.0544
Gm01	56647267	56648258	Gmdrm	hypo	CHH	-0.0248
Gm01	56653875	56654859	Gmdrm	hypo	CHH	-0.0466
Gm01	56655896	56656889	Gmdrm	hypo	CHH	-0.0487
Gm01	56682421	56683416	Gmdrm	hypo	CHH	-0.2539
Gm01	56711077	56711309	Gmdrm	hypo	CHH	-0.0482
Gm01	56730377	56731372	Gmdrm	hypo	CHH	-0.0193
Gm01	56739101	56740099	Gmdrm	hypo	CHH	-0.023
Gm01	56749157	56750074	Gmdrm	hypo	CHH	-0.0172
Gm01	56753484	56754419	Gmdrm	hypo	CHH	-0.0454
Gm01	56758904	56759223	Gmdrm	hypo	CHH	-0.0384
Gm01	56759358	56760358	Gmdrm	hypo	CHH	-0.0873
Gm01	56765163	56766155	Gmdrm	hypo	CHH	-0.1982
Gm01	56768965	56769962	Gmdrm	hypo	CHH	-0.0208
Gm01	56769996	56770957	Gmdrm	hypo	CHH	-0.0094
Gm01	56789739	56790738	Gmdrm	hypo	CHH	-0.144
Gm01	56790741	56791724	Gmdrm	hypo	CHH	-0.111
Gm01	56797438	56797536	Gmdrm	hypo	CHH	-0.1
Gm01	56799838	56800837	Gmdrm	hypo	CHH	-0.023
Gm01	56802853	56803844	Gmdrm	hypo	CHH	-0.0261
Gm01	56805868	56806855	Gmdrm	hypo	CHH	-0.0374
Gm01	56808881	56809881	Gmdrm	hypo	CHH	-0.2947
Gm01	56816058	56817056	Gmdrm	hypo	CHH	-0.0457
Gm01	56828075	56829075	Gmdrm	hypo	CHH	-0.1561
Gm01	56829076	56830064	Gmdrm	hypo	CHH	-0.0819
Gm01	56831081	56831906	Gmdrm	hypo	CHH	-0.0238
Gm01	56839302	56840297	Gmdrm	hypo	CHH	-0.0308
Gm01	56856859	56857859	Gmdrm	hypo	CHH	-0.1298
Gm01	56857877	56858853	Gmdrm	hypo	CHH	-0.1257

Gm01	56860911	56861908	Gmdrm	hypo	CHH	-0.051
Gm01	56861916	56862902	Gmdrm	hypo	CHH	-0.1183
Gm01	56865379	56866379	Gmdrm	hypo	CHH	-0.0753
Gm01	56866381	56867368	Gmdrm	hypo	CHH	-0.0332
Gm01	56876783	56877783	Gmdrm	hypo	CHH	-0.1598
Gm01	56877786	56878735	Gmdrm	hypo	CHH	-0.0392
Gm01	56885763	56886756	Gmdrm	hypo	CHH	-0.0158
Gm01	56895795	56896116	Gmdrm	hypo	CHH	-0.0508
Gm01	56905279	56906175	Gmdrm	hypo	CHH	-0.0483
Gm01	56906523	56907517	Gmdrm	hypo	CHH	-0.0238
Gm01	56907541	56908523	Gmdrm	hypo	CHH	-0.0283
Gm01	56908542	56909510	Gmdrm	hypo	CHH	-0.0251
Gm01	56926087	56927084	Gmdrm	hypo	CHH	-0.2162
Gm01	56939959	56940956	Gmdrm	hypo	CHH	-0.1054
Gm01	56945872	56946630	Gmdrm	hypo	CHH	-0.0196
Gm01	56963083	56964044	Gmdrm	hypo	CHH	-0.012
Gm01	56988119	56989106	Gmdrm	hypo	CHH	-0.0548
Gm01	56989120	56990072	Gmdrm	hypo	CHH	-0.0642
Gm01	56999622	57000599	Gmdrm	hypo	CHH	-0.0281
Gm01	57007988	57008975	Gmdrm	hypo	CHH	-0.0187
Gm01	57013381	57014378	Gmdrm	hypo	CHH	-0.1072
Gm01	57014382	57015382	Gmdrm	hypo	CHH	-0.0605
Gm01	57019497	57020496	Gmdrm	hypo	CHH	-0.0374
Gm01	57026861	57027411	Gmdrm	hypo	CHH	-0.0781
Gm01	57039759	57040756	Gmdrm	hypo	CHH	-0.0986
Gm01	57056549	57056800	Gmdrm	hypo	CHH	-0.0618
Gm01	57058944	57059940	Gmdrm	hypo	CHH	-0.0165
Gm01	57061959	57062959	Gmdrm	hypo	CHH	-0.0095
Gm01	57066031	57066736	Gmdrm	hypo	CHH	-0.0152
Gm01	57083891	57084889	Gmdrm	hypo	CHH	-0.0177
Gm01	57090859	57091549	Gmdrm	hypo	CHH	-0.0499
Gm01	57092918	57093910	Gmdrm	hypo	CHH	-0.0242
Gm01	57097966	57098965	Gmdrm	hypo	CHH	-0.0544
Gm01	57098969	57099969	Gmdrm	hypo	CHH	-0.1386
Gm01	57099973	57100972	Gmdrm	hypo	CHH	-0.2385
Gm01	57107044	57108042	Gmdrm	hypo	CHH	-0.191
Gm01	57108050	57109039	Gmdrm	hypo	CHH	-0.281
Gm01	57126105	57127102	Gmdrm	hypo	CHH	-0.1722
Gm01	57127106	57127173	Gmdrm	hypo	CHH	-0.2113
Gm01	57129101	57130096	Gmdrm	hypo	CHH	-0.1099
Gm01	57131384	57132247	Gmdrm	hypo	CHH	-0.1023
Gm01	57133322	57133538	Gmdrm	hypo	CHH	-0.1554
Gm01	57134491	57135473	Gmdrm	hypo	CHH	-0.1187
Gm01	57139901	57140889	Gmdrm	hypo	CHH	-0.0146
Gm01	57140910	57141893	Gmdrm	hypo	CHH	-0.1905
Gm01	57154836	57155835	Gmdrm	hypo	CHH	-0.0122

Gm01	57163165	57163317	Gmdrm	hypo	CHH	-0.0867
Gm01	57170541	57171535	Gmdrm	hypo	CHH	-0.0235
Gm01	57171570	57172528	Gmdrm	hypo	CHH	-0.0184
Gm01	57174605	57175455	Gmdrm	hypo	CHH	-0.0179
Gm01	57199337	57200329	Gmdrm	hypo	CHH	-0.0694
Gm01	57203085	57204077	Gmdrm	hypo	CHH	-0.0911
Gm01	57211295	57212268	Gmdrm	hypo	CHH	-0.0152
Gm01	57212305	57213255	Gmdrm	hypo	CHH	-0.0346
Gm01	57230871	57231846	Gmdrm	hypo	CHH	-0.0217
Gm01	57237737	57238712	Gmdrm	hypo	CHH	-0.0291
Gm01	57239783	57240773	Gmdrm	hypo	CHH	-0.0165
Gm01	57243553	57244136	Gmdrm	hypo	CHH	-0.1151
Gm01	57245934	57246929	Gmdrm	hypo	CHH	-0.013
Gm01	57247180	57248180	Gmdrm	hypo	CHH	-0.0404
Gm01	57250861	57251856	Gmdrm	hypo	CHH	-0.0195
Gm01	57256207	57257205	Gmdrm	hypo	CHH	-0.045
Gm01	57260430	57261407	Gmdrm	hypo	CHH	-0.0352
Gm01	57265436	57266426	Gmdrm	hypo	CHH	-0.1866
Gm01	57268790	57269777	Gmdrm	hypo	CHH	-0.0231
Gm01	57273470	57274468	Gmdrm	hypo	CHH	-0.0828
Gm01	57280543	57281543	Gmdrm	hypo	CHH	-0.0511
Gm01	57281553	57282524	Gmdrm	hypo	CHH	-0.0313
Gm01	57283566	57284554	Gmdrm	hypo	CHH	-0.0103
Gm01	57284578	57284706	Gmdrm	hypo	CHH	-0.1421
Gm01	57285109	57285510	Gmdrm	hypo	CHH	-0.0541
Gm01	57301944	57302924	Gmdrm	hypo	CHH	-0.1304
Gm01	57314858	57315857	Gmdrm	hypo	CHH	-0.0116
Gm01	57323186	57324168	Gmdrm	hypo	CHH	-0.022
Gm01	57330772	57331765	Gmdrm	hypo	CHH	-0.0159
Gm01	57339618	57340618	Gmdrm	hypo	CHH	-0.0099
Gm01	57345653	57346651	Gmdrm	hypo	CHH	-0.0405
Gm01	57346661	57347636	Gmdrm	hypo	CHH	-0.1027
Gm01	57348748	57349559	Gmdrm	hypo	CHH	-0.0185
Gm01	57350655	57350864	Gmdrm	hypo	CHH	-0.04
Gm01	57359485	57360470	Gmdrm	hypo	CHH	-0.4196
Gm01	57363695	57363831	Gmdrm	hypo	CHH	-0.085
Gm01	57383575	57384319	Gmdrm	hypo	CHH	-0.2981
Gm01	57388007	57388951	Gmdrm	hypo	CHH	-0.0424
Gm01	57389061	57390002	Gmdrm	hypo	CHH	-0.0115
Gm01	57395916	57396160	Gmdrm	hypo	CHH	-0.0356
Gm01	57406340	57407336	Gmdrm	hypo	CHH	-0.028
Gm01	57409397	57410190	Gmdrm	hypo	CHH	-0.061
Gm01	57421602	57422120	Gmdrm	hypo	CHH	-0.1163
Gm01	57436288	57437281	Gmdrm	hypo	CHH	-0.0378
Gm01	57438756	57439746	Gmdrm	hypo	CHH	-0.2167
Gm01	57439757	57440750	Gmdrm	hypo	CHH	-0.0197

Gm01	57485181	57486159	Gmdrm	hypo	CHH	-0.0453
Gm01	57488890	57489885	Gmdrm	hypo	CHH	-0.0179
Gm01	57493028	57494017	Gmdrm	hypo	CHH	-0.0141
Gm01	57497272	57498267	Gmdrm	hypo	CHH	-0.027
Gm01	57515430	57516423	Gmdrm	hypo	CHH	-0.2145
Gm01	57517875	57518837	Gmdrm	hypo	CHH	-0.0137
Gm01	57530175	57531174	Gmdrm	hypo	CHH	-0.0774
Gm01	57532222	57533220	Gmdrm	hypo	CHH	-0.2242
Gm01	57545404	57546396	Gmdrm	hypo	CHH	-0.0294
Gm01	57549896	57550182	Gmdrm	hypo	CHH	-0.0196
Gm01	57565664	57566491	Gmdrm	hypo	CHH	-0.0172
Gm01	57566614	57567449	Gmdrm	hypo	CHH	-0.0562
Gm01	57579638	57580630	Gmdrm	hypo	CHH	-0.1388
Gm01	57581729	57582721	Gmdrm	hypo	CHH	-0.034
Gm01	57616256	57617256	Gmdrm	hypo	CHH	-0.0216
Gm01	57617280	57618279	Gmdrm	hypo	CHH	-0.0266
Gm01	57627928	57628246	Gmdrm	hypo	CHH	-0.0611
Gm01	57628421	57629414	Gmdrm	hypo	CHH	-0.0206
Gm01	57644806	57645785	Gmdrm	hypo	CHH	-0.0151
Gm01	57647641	57647980	Gmdrm	hypo	CHH	-0.0184
Gm01	57655270	57655365	Gmdrm	hypo	CHH	-0.025
Gm01	57659298	57660269	Gmdrm	hypo	CHH	-0.0328
Gm01	57669943	57670430	Gmdrm	hypo	CHH	-0.0819
Gm01	57671562	57672547	Gmdrm	hypo	CHH	-0.0208
Gm01	57679403	57680401	Gmdrm	hypo	CHH	-0.0772
Gm01	57680411	57681393	Gmdrm	hypo	CHH	-0.0559
Gm01	57689606	57690598	Gmdrm	hypo	CHH	-0.0123
Gm01	57695209	57696208	Gmdrm	hypo	CHH	-0.0143
Gm01	57704750	57705113	Gmdrm	hypo	CHH	-0.0179
Gm01	57710378	57710790	Gmdrm	hypo	CHH	-0.0229
Gm01	57718426	57719421	Gmdrm	hypo	CHH	-0.1273
Gm01	57723070	57723261	Gmdrm	hypo	CHH	-0.132
Gm01	57723382	57724363	Gmdrm	hypo	CHH	-0.0271
Gm01	57724383	57725380	Gmdrm	hypo	CHH	-0.0727
Gm01	57725390	57726390	Gmdrm	hypo	CHH	-0.0972
Gm01	57726391	57727322	Gmdrm	hypo	CHH	-0.0271
Gm01	57727405	57728264	Gmdrm	hypo	CHH	-0.0893
Gm01	57728468	57728715	Gmdrm	hypo	CHH	-0.07
Gm01	57730853	57731835	Gmdrm	hypo	CHH	-0.1076
Gm01	57735305	57736287	Gmdrm	hypo	CHH	-0.0352
Gm01	57736325	57737324	Gmdrm	hypo	CHH	-0.0411
Gm01	57737347	57737709	Gmdrm	hypo	CHH	-0.0234
Gm01	57737888	57738884	Gmdrm	hypo	CHH	-0.0602
Gm01	57748925	57749179	Gmdrm	hypo	CHH	-0.076
Gm01	57757769	57758727	Gmdrm	hypo	CHH	-0.0185
Gm01	57771999	57772955	Gmdrm	hypo	CHH	-0.0172

Gm01	57780175	57781173	Gmdrm	hypo	CHH	-0.0179
Gm01	57784319	57785311	Gmdrm	hypo	CHH	-0.0339
Gm01	57787301	57788284	Gmdrm	hypo	CHH	-0.1868
Gm01	57788302	57789287	Gmdrm	hypo	CHH	-0.016
Gm01	57792646	57793628	Gmdrm	hypo	CHH	-0.0415
Gm01	57793897	57794032	Gmdrm	hypo	CHH	-0.1733
Gm01	57797656	57798437	Gmdrm	hypo	CHH	-0.0217
Gm01	57799559	57800557	Gmdrm	hypo	CHH	-0.0418
Gm01	57817951	57818947	Gmdrm	hypo	CHH	-0.0497
Gm01	57822003	57822949	Gmdrm	hypo	CHH	-0.236
Gm01	57823012	57824001	Gmdrm	hypo	CHH	-0.0158
Gm01	57832377	57833356	Gmdrm	hypo	CHH	-0.052
Gm01	57837314	57838313	Gmdrm	hypo	CHH	-0.1397
Gm01	57850048	57851046	Gmdrm	hypo	CHH	-0.0319
Gm01	57852070	57853070	Gmdrm	hypo	CHH	-0.0256
Gm01	57854074	57855070	Gmdrm	hypo	CHH	-0.065
Gm01	57855077	57855711	Gmdrm	hypo	CHH	-0.1048
Gm01	57856108	57856368	Gmdrm	hypo	CHH	-0.0391
Gm01	57870694	57871690	Gmdrm	hypo	CHH	-0.1247
Gm01	57874476	57875454	Gmdrm	hypo	CHH	-0.0752
Gm01	57877376	57877780	Gmdrm	hypo	CHH	-0.0642
Gm01	57882471	57882901	Gmdrm	hypo	CHH	-0.0646
Gm01	57889227	57890222	Gmdrm	hypo	CHH	-0.0989
Gm01	57890244	57891244	Gmdrm	hypo	CHH	-0.0464
Gm01	57891271	57892268	Gmdrm	hypo	CHH	-0.0581
Gm01	57899675	57900647	Gmdrm	hypo	CHH	-0.0213
Gm01	57911502	57912502	Gmdrm	hypo	CHH	-0.0738
Gm01	57912507	57913426	Gmdrm	hypo	CHH	-0.0717
Gm01	57913541	57914515	Gmdrm	hypo	CHH	-0.0643
Gm01	57926970	57927965	Gmdrm	hypo	CHH	-0.0414
Gm01	57929977	57930974	Gmdrm	hypo	CHH	-0.0442
Gm01_scaffol	30676	31649	Gmdrm	hypo	CHH	-0.0384
Gm02	18945	19890	Gmdrm	hypo	CHH	-0.0237
Gm02	22620	23620	Gmdrm	hypo	CHH	-0.0842
Gm02	23624	24337	Gmdrm	hypo	CHH	-0.2026
Gm02	37351	38350	Gmdrm	hypo	CHH	-0.0705
Gm02	47008	47940	Gmdrm	hypo	CHH	-0.012
Gm02	56093	57009	Gmdrm	hypo	CHH	-0.0268
Gm02	57869	58132	Gmdrm	hypo	CHH	-0.1343
Gm02	58649	59221	Gmdrm	hypo	CHH	-0.02
Gm02	65437	66301	Gmdrm	hypo	CHH	-0.1071
Gm02	72363	73361	Gmdrm	hypo	CHH	-0.0308
Gm02	92290	93285	Gmdrm	hypo	CHH	-0.0127
Gm02	93299	94294	Gmdrm	hypo	CHH	-0.0965
Gm02	94302	94791	Gmdrm	hypo	CHH	-0.163
Gm02	104160	105154	Gmdrm	hypo	CHH	-0.0256

Gm02	110633	111608 Gmdrm	hypo	CHH	-0.0229
Gm02	114715	115714 Gmdrm	hypo	CHH	-0.0598
Gm02	117143	118142 Gmdrm	hypo	CHH	-0.0532
Gm02	129456	129557 Gmdrm	hypo	CHH	-0.088
Gm02	131100	132097 Gmdrm	hypo	CHH	-0.0511
Gm02	138044	139027 Gmdrm	hypo	CHH	-0.0182
Gm02	139048	139606 Gmdrm	hypo	CHH	-0.0738
Gm02	148719	149701 Gmdrm	hypo	CHH	-0.0366
Gm02	149727	150719 Gmdrm	hypo	CHH	-0.1069
Gm02	150729	151724 Gmdrm	hypo	CHH	-0.1215
Gm02	151730	152691 Gmdrm	hypo	CHH	-0.1025
Gm02	163707	164696 Gmdrm	hypo	CHH	-0.1214
Gm02	164710	165707 Gmdrm	hypo	CHH	-0.1059
Gm02	167120	168110 Gmdrm	hypo	CHH	-0.1835
Gm02	171127	172117 Gmdrm	hypo	CHH	-0.0528
Gm02	180772	181770 Gmdrm	hypo	CHH	-0.0168
Gm02	202047	203029 Gmdrm	hypo	CHH	-0.0708
Gm02	208289	209286 Gmdrm	hypo	CHH	-0.0245
Gm02	209290	210261 Gmdrm	hypo	CHH	-0.0823
Gm02	210328	211272 Gmdrm	hypo	CHH	-0.0224
Gm02	213618	214605 Gmdrm	hypo	CHH	-0.0138
Gm02	218097	219093 Gmdrm	hypo	CHH	-0.1146
Gm02	219100	220100 Gmdrm	hypo	CHH	-0.0247
Gm02	231150	232150 Gmdrm	hypo	CHH	-0.1617
Gm02	232154	232867 Gmdrm	hypo	CHH	-0.04
Gm02	244266	245263 Gmdrm	hypo	CHH	-0.0973
Gm02	251973	252970 Gmdrm	hypo	CHH	-0.0497
Gm02	270599	271588 Gmdrm	hypo	CHH	-0.1697
Gm02	272818	273817 Gmdrm	hypo	CHH	-0.0143
Gm02	282036	283035 Gmdrm	hypo	CHH	-0.0106
Gm02	286108	287090 Gmdrm	hypo	CHH	-0.0123
Gm02	307358	307863 Gmdrm	hypo	CHH	-0.0404
Gm02	310997	311985 Gmdrm	hypo	CHH	-0.1066
Gm02	325990	326985 Gmdrm	hypo	CHH	-0.0212
Gm02	336085	337064 Gmdrm	hypo	CHH	-0.1036
Gm02	337094	338092 Gmdrm	hypo	CHH	-0.0461
Gm02	338096	339080 Gmdrm	hypo	CHH	-0.0596
Gm02	339113	340113 Gmdrm	hypo	CHH	-0.008
Gm02	343384	344350 Gmdrm	hypo	CHH	-0.0256
Gm02	344391	344895 Gmdrm	hypo	CHH	-0.1082
Gm02	345045	346039 Gmdrm	hypo	CHH	-0.1739
Gm02	376443	377413 Gmdrm	hypo	CHH	-0.0266
Gm02	377451	378427 Gmdrm	hypo	CHH	-0.0696
Gm02	381603	382591 Gmdrm	hypo	CHH	-0.0336
Gm02	383635	384632 Gmdrm	hypo	CHH	-0.017
Gm02	384657	385301 Gmdrm	hypo	CHH	-0.1994

Gm02	385578	386561 Gmdrm	hypo	CHH	-0.1392
Gm02	395034	396024 Gmdrm	hypo	CHH	-0.0667
Gm02	396037	397032 Gmdrm	hypo	CHH	-0.0374
Gm02	401967	402963 Gmdrm	hypo	CHH	-0.0158
Gm02	407281	407911 Gmdrm	hypo	CHH	-0.1074
Gm02	414762	415761 Gmdrm	hypo	CHH	-0.0238
Gm02	415775	416764 Gmdrm	hypo	CHH	-0.1254
Gm02	420528	421510 Gmdrm	hypo	CHH	-0.1397
Gm02	429738	429813 Gmdrm	hypo	CHH	-0.0375
Gm02	431345	431546 Gmdrm	hypo	CHH	-0.0369
Gm02	445751	446153 Gmdrm	hypo	CHH	-0.053
Gm02	450623	450872 Gmdrm	hypo	CHH	-0.051
Gm02	451007	451989 Gmdrm	hypo	CHH	-0.0195
Gm02	452020	453020 Gmdrm	hypo	CHH	-0.0277
Gm02	458530	459526 Gmdrm	hypo	CHH	-0.0274
Gm02	470752	471063 Gmdrm	hypo	CHH	-0.0226
Gm02	482546	483541 Gmdrm	hypo	CHH	-0.0119
Gm02	483558	484557 Gmdrm	hypo	CHH	-0.0551
Gm02	488600	489577 Gmdrm	hypo	CHH	-0.1014
Gm02	502589	503586 Gmdrm	hypo	CHH	-0.0206
Gm02	509092	510089 Gmdrm	hypo	CHH	-0.015
Gm02	521887	522884 Gmdrm	hypo	CHH	-0.0376
Gm02	531519	532498 Gmdrm	hypo	CHH	-0.0161
Gm02	544905	545894 Gmdrm	hypo	CHH	-0.024
Gm02	547993	548974 Gmdrm	hypo	CHH	-0.0118
Gm02	553111	554101 Gmdrm	hypo	CHH	-0.0181
Gm02	554114	555108 Gmdrm	hypo	CHH	-0.1001
Gm02	555116	556097 Gmdrm	hypo	CHH	-0.0762
Gm02	557139	557808 Gmdrm	hypo	CHH	-0.1173
Gm02	559347	560298 Gmdrm	hypo	CHH	-0.0202
Gm02	560397	561376 Gmdrm	hypo	CHH	-0.0136
Gm02	561411	562399 Gmdrm	hypo	CHH	-0.0936
Gm02	562420	563400 Gmdrm	hypo	CHH	-0.02
Gm02	567573	568343 Gmdrm	hypo	CHH	-0.0255
Gm02	570112	571092 Gmdrm	hypo	CHH	-0.0627
Gm02	571119	572119 Gmdrm	hypo	CHH	-0.0784
Gm02	573141	574141 Gmdrm	hypo	CHH	-0.1648
Gm02	580631	581609 Gmdrm	hypo	CHH	-0.0293
Gm02	607172	608160 Gmdrm	hypo	CHH	-0.1375
Gm02	608197	608323 Gmdrm	hypo	CHH	-0.185
Gm02	608434	608911 Gmdrm	hypo	CHH	-0.1121
Gm02	614148	615141 Gmdrm	hypo	CHH	-0.0686
Gm02	639129	639464 Gmdrm	hypo	CHH	-0.0762
Gm02	639588	640588 Gmdrm	hypo	CHH	-0.0407
Gm02	643596	644594 Gmdrm	hypo	CHH	-0.0555
Gm02	644601	645595 Gmdrm	hypo	CHH	-0.0108

Gm02	647630	648630 Gmdrm	hypo	CHH	-0.1356
Gm02	648635	649632 Gmdrm	hypo	CHH	-0.063
Gm02	649639	649964 Gmdrm	hypo	CHH	-0.0924
Gm02	650075	651074 Gmdrm	hypo	CHH	-0.0253
Gm02	651085	652074 Gmdrm	hypo	CHH	-0.0537
Gm02	659044	660043 Gmdrm	hypo	CHH	-0.0477
Gm02	665951	666933 Gmdrm	hypo	CHH	-0.0608
Gm02	673754	674751 Gmdrm	hypo	CHH	-0.0807
Gm02	674755	675752 Gmdrm	hypo	CHH	-0.1588
Gm02	702363	703266 Gmdrm	hypo	CHH	-0.0167
Gm02	705492	706469 Gmdrm	hypo	CHH	-0.015
Gm02	718784	719771 Gmdrm	hypo	CHH	-0.0775
Gm02	723826	724795 Gmdrm	hypo	CHH	-0.1473
Gm02	728806	729470 Gmdrm	hypo	CHH	-0.0237
Gm02	764188	764880 Gmdrm	hypo	CHH	-0.062
Gm02	791010	791979 Gmdrm	hypo	CHH	-0.0161
Gm02	797818	797979 Gmdrm	hypo	CHH	-0.0489
Gm02	799922	800514 Gmdrm	hypo	CHH	-0.0508
Gm02	802670	803269 Gmdrm	hypo	CHH	-0.0174
Gm02	804972	805098 Gmdrm	hypo	CHH	-0.1087
Gm02	806211	807203 Gmdrm	hypo	CHH	-0.0204
Gm02	816503	817498 Gmdrm	hypo	CHH	-0.0266
Gm02	829911	830907 Gmdrm	hypo	CHH	-0.0433
Gm02	865555	866546 Gmdrm	hypo	CHH	-0.0334
Gm02	867588	868367 Gmdrm	hypo	CHH	-0.0196
Gm02	879193	880173 Gmdrm	hypo	CHH	-0.024
Gm02	884086	885079 Gmdrm	hypo	CHH	-0.0162
Gm02	895346	895545 Gmdrm	hypo	CHH	-0.0492
Gm02	908389	909380 Gmdrm	hypo	CHH	-0.0166
Gm02	909406	910366 Gmdrm	hypo	CHH	-0.0275
Gm02	925329	926328 Gmdrm	hypo	CHH	-0.1382
Gm02	926339	927330 Gmdrm	hypo	CHH	-0.1007
Gm02	929297	930268 Gmdrm	hypo	CHH	-0.112
Gm02	930343	931335 Gmdrm	hypo	CHH	-0.1156
Gm02	931375	932179 Gmdrm	hypo	CHH	-0.0763
Gm02	932403	933363 Gmdrm	hypo	CHH	-0.0148
Gm02	941802	942794 Gmdrm	hypo	CHH	-0.0214
Gm02	947079	948074 Gmdrm	hypo	CHH	-0.048
Gm02	948083	949060 Gmdrm	hypo	CHH	-0.0729
Gm02	951910	952111 Gmdrm	hypo	CHH	-0.0378
Gm02	954380	955373 Gmdrm	hypo	CHH	-0.0364
Gm02	955383	956369 Gmdrm	hypo	CHH	-0.1252
Gm02	977072	978060 Gmdrm	hypo	CHH	-0.0587
Gm02	978075	979073 Gmdrm	hypo	CHH	-0.0973
Gm02	994579	995573 Gmdrm	hypo	CHH	-0.1157
Gm02	995583	996344 Gmdrm	hypo	CHH	-0.0814

Gm02	1004050	1005047 Gmdrm	hypo	CHH	-0.0452
Gm02	1005056	1005908 Gmdrm	hypo	CHH	-0.0694
Gm02	1023457	1024452 Gmdrm	hypo	CHH	-0.0236
Gm02	1030659	1031318 Gmdrm	hypo	CHH	-0.2481
Gm02	1032459	1033457 Gmdrm	hypo	CHH	-0.061
Gm02	1037478	1038428 Gmdrm	hypo	CHH	-0.0545
Gm02	1039514	1040513 Gmdrm	hypo	CHH	-0.2525
Gm02	1045685	1046649 Gmdrm	hypo	CHH	-0.0159
Gm02	1055720	1056706 Gmdrm	hypo	CHH	-0.0465
Gm02	1061411	1062405 Gmdrm	hypo	CHH	-0.0508
Gm02	1062415	1063410 Gmdrm	hypo	CHH	-0.0326
Gm02	1063443	1064435 Gmdrm	hypo	CHH	-0.0112
Gm02	1067636	1068623 Gmdrm	hypo	CHH	-0.0854
Gm02	1068640	1069635 Gmdrm	hypo	CHH	-0.0843
Gm02	1069644	1070627 Gmdrm	hypo	CHH	-0.0381
Gm02	1080476	1081470 Gmdrm	hypo	CHH	-0.0516
Gm02	1088729	1089725 Gmdrm	hypo	CHH	-0.0162
Gm02	1091847	1092841 Gmdrm	hypo	CHH	-0.0383
Gm02	1095629	1096263 Gmdrm	hypo	CHH	-0.0302
Gm02	1096372	1096505 Gmdrm	hypo	CHH	-0.0371
Gm02	1096607	1097310 Gmdrm	hypo	CHH	-0.0245
Gm02	1098656	1099656 Gmdrm	hypo	CHH	-0.0634
Gm02	1104444	1105443 Gmdrm	hypo	CHH	-0.0161
Gm02	1105478	1106410 Gmdrm	hypo	CHH	-0.0205
Gm02	1118058	1119010 Gmdrm	hypo	CHH	-0.0171
Gm02	1120891	1121886 Gmdrm	hypo	CHH	-0.0144
Gm02	1125502	1126492 Gmdrm	hypo	CHH	-0.0426
Gm02	1128519	1129516 Gmdrm	hypo	CHH	-0.0889
Gm02	1133354	1134354 Gmdrm	hypo	CHH	-0.1354
Gm02	1137845	1138584 Gmdrm	hypo	CHH	-0.0727
Gm02	1140838	1141504 Gmdrm	hypo	CHH	-0.1398
Gm02	1142634	1143624 Gmdrm	hypo	CHH	-0.0184
Gm02	1147841	1148523 Gmdrm	hypo	CHH	-0.02
Gm02	1168463	1169461 Gmdrm	hypo	CHH	-0.1696
Gm02	1169468	1170460 Gmdrm	hypo	CHH	-0.1004
Gm02	1176088	1177087 Gmdrm	hypo	CHH	-0.0248
Gm02	1177090	1178065 Gmdrm	hypo	CHH	-0.0179
Gm02	1180136	1181131 Gmdrm	hypo	CHH	-0.0219
Gm02	1190416	1191392 Gmdrm	hypo	CHH	-0.0096
Gm02	1192293	1193271 Gmdrm	hypo	CHH	-0.0173
Gm02	1207675	1208675 Gmdrm	hypo	CHH	-0.0112
Gm02	1211119	1212118 Gmdrm	hypo	CHH	-0.0148
Gm02	1224319	1225299 Gmdrm	hypo	CHH	-0.0608
Gm02	1227483	1228435 Gmdrm	hypo	CHH	-0.0193
Gm02	1232158	1233093 Gmdrm	hypo	CHH	-0.021
Gm02	1237563	1238557 Gmdrm	hypo	CHH	-0.0581

Gm02	1245266	1246251 Gmdrm	hypo	CHH	-0.0883
Gm02	1250722	1251019 Gmdrm	hypo	CHH	-0.0485
Gm02	1255998	1256989 Gmdrm	hypo	CHH	-0.0427
Gm02	1257554	1258548 Gmdrm	hypo	CHH	-0.2676
Gm02	1264242	1264610 Gmdrm	hypo	CHH	-0.0337
Gm02	1293191	1294158 Gmdrm	hypo	CHH	-0.2673
Gm02	1294211	1295209 Gmdrm	hypo	CHH	-0.308
Gm02	1295215	1296215 Gmdrm	hypo	CHH	-0.109
Gm02	1300148	1300815 Gmdrm	hypo	CHH	-0.1107
Gm02	1306573	1307570 Gmdrm	hypo	CHH	-0.0877
Gm02	1312753	1313700 Gmdrm	hypo	CHH	-0.0239
Gm02	1316822	1317813 Gmdrm	hypo	CHH	-0.0128
Gm02	1333961	1334947 Gmdrm	hypo	CHH	-0.1995
Gm02	1337589	1338586 Gmdrm	hypo	CHH	-0.1114
Gm02	1354260	1355254 Gmdrm	hypo	CHH	-0.0412
Gm02	1359331	1360316 Gmdrm	hypo	CHH	-0.0282
Gm02	1360333	1361314 Gmdrm	hypo	CHH	-0.0185
Gm02	1362372	1363336 Gmdrm	hypo	CHH	-0.0154
Gm02	1373749	1374738 Gmdrm	hypo	CHH	-0.0191
Gm02	1378586	1379584 Gmdrm	hypo	CHH	-0.0114
Gm02	1379605	1380590 Gmdrm	hypo	CHH	-0.0168
Gm02	1380823	1381317 Gmdrm	hypo	CHH	-0.0235
Gm02	1394121	1395117 Gmdrm	hypo	CHH	-0.1484
Gm02	1400895	1401760 Gmdrm	hypo	CHH	-0.0173
Gm02	1414098	1414683 Gmdrm	hypo	CHH	-0.0384
Gm02	1424165	1424988 Gmdrm	hypo	CHH	-0.2089
Gm02	1426098	1426988 Gmdrm	hypo	CHH	-0.023
Gm02	1446078	1447028 Gmdrm	hypo	CHH	-0.0349
Gm02	1450124	1451117 Gmdrm	hypo	CHH	-0.0493
Gm02	1451138	1451941 Gmdrm	hypo	CHH	-0.0609
Gm02	1467090	1468073 Gmdrm	hypo	CHH	-0.1697
Gm02	1471184	1472179 Gmdrm	hypo	CHH	-0.0133
Gm02	1473067	1473955 Gmdrm	hypo	CHH	-0.0431
Gm02	1474509	1475497 Gmdrm	hypo	CHH	-0.024
Gm02	1484800	1485057 Gmdrm	hypo	CHH	-0.1672
Gm02	1492721	1493635 Gmdrm	hypo	CHH	-0.0248
Gm02	1494953	1495951 Gmdrm	hypo	CHH	-0.0772
Gm02	1502027	1502371 Gmdrm	hypo	CHH	-0.0287
Gm02	1506002	1506995 Gmdrm	hypo	CHH	-0.01
Gm02	1507254	1508247 Gmdrm	hypo	CHH	-0.2308
Gm02	1514217	1515217 Gmdrm	hypo	CHH	-0.1198
Gm02	1519858	1520858 Gmdrm	hypo	CHH	-0.168
Gm02	1520863	1521856 Gmdrm	hypo	CHH	-0.0644
Gm02	1539704	1540702 Gmdrm	hypo	CHH	-0.0638
Gm02	1547344	1548320 Gmdrm	hypo	CHH	-0.0125
Gm02	1556773	1557751 Gmdrm	hypo	CHH	-0.0209

Gm02	1564697	1565685 Gmdrm	hypo	CHH	-0.0122
Gm02	1598786	1599776 Gmdrm	hypo	CHH	-0.1335
Gm02	1599789	1600493 Gmdrm	hypo	CHH	-0.0685
Gm02	1609006	1610005 Gmdrm	hypo	CHH	-0.0909
Gm02	1610028	1611025 Gmdrm	hypo	CHH	-0.0109
Gm02	1617608	1618605 Gmdrm	hypo	CHH	-0.0203
Gm02	1618622	1619612 Gmdrm	hypo	CHH	-0.0181
Gm02	1623539	1624538 Gmdrm	hypo	CHH	-0.0281
Gm02	1624544	1625544 Gmdrm	hypo	CHH	-0.0591
Gm02	1629248	1630241 Gmdrm	hypo	CHH	-0.0168
Gm02	1630575	1631538 Gmdrm	hypo	CHH	-0.0467
Gm02	1641638	1641740 Gmdrm	hypo	CHH	-0.0478
Gm02	1644467	1645441 Gmdrm	hypo	CHH	-0.0756
Gm02	1646957	1647940 Gmdrm	hypo	CHH	-0.0304
Gm02	1647974	1648971 Gmdrm	hypo	CHH	-0.2007
Gm02	1648995	1649769 Gmdrm	hypo	CHH	-0.0162
Gm02	1659235	1660221 Gmdrm	hypo	CHH	-0.0308
Gm02	1668463	1669459 Gmdrm	hypo	CHH	-0.118
Gm02	1669469	1670455 Gmdrm	hypo	CHH	-0.2068
Gm02	1676497	1677059 Gmdrm	hypo	CHH	-0.0145
Gm02	1678140	1679138 Gmdrm	hypo	CHH	-0.0276
Gm02	1681509	1682501 Gmdrm	hypo	CHH	-0.0159
Gm02	1690170	1691162 Gmdrm	hypo	CHH	-0.0338
Gm02	1694812	1695809 Gmdrm	hypo	CHH	-0.0362
Gm02	1696839	1697834 Gmdrm	hypo	CHH	-0.0288
Gm02	1701909	1702854 Gmdrm	hypo	CHH	-0.0166
Gm02	1706889	1707078 Gmdrm	hypo	CHH	-0.088
Gm02	1708263	1709204 Gmdrm	hypo	CHH	-0.0474
Gm02	1712510	1713503 Gmdrm	hypo	CHH	-0.2219
Gm02	1723951	1724935 Gmdrm	hypo	CHH	-0.0278
Gm02	1725984	1726980 Gmdrm	hypo	CHH	-0.0776
Gm02	1731884	1732715 Gmdrm	hypo	CHH	-0.0221
Gm02	1744690	1745690 Gmdrm	hypo	CHH	-0.0372
Gm02	1745701	1746505 Gmdrm	hypo	CHH	-0.0268
Gm02	1746759	1747586 Gmdrm	hypo	CHH	-0.0228
Gm02	1747688	1748684 Gmdrm	hypo	CHH	-0.0248
Gm02	1751722	1752713 Gmdrm	hypo	CHH	-0.1591
Gm02	1764327	1765323 Gmdrm	hypo	CHH	-0.0215
Gm02	1780512	1781462 Gmdrm	hypo	CHH	-0.0203
Gm02	1781684	1782684 Gmdrm	hypo	CHH	-0.0339
Gm02	1783692	1784687 Gmdrm	hypo	CHH	-0.0639
Gm02	1784693	1785691 Gmdrm	hypo	CHH	-0.0695
Gm02	1820032	1820970 Gmdrm	hypo	CHH	-0.0162
Gm02	1826103	1827040 Gmdrm	hypo	CHH	-0.036
Gm02	1832623	1833610 Gmdrm	hypo	CHH	-0.0195
Gm02	1837224	1838210 Gmdrm	hypo	CHH	-0.0537

Gm02	1852020	1853019 Gmdrm	hypo	CHH	-0.0428
Gm02	1860883	1861480 Gmdrm	hypo	CHH	-0.0345
Gm02	1862576	1863568 Gmdrm	hypo	CHH	-0.0147
Gm02	1882843	1883826 Gmdrm	hypo	CHH	-0.0645
Gm02	1890971	1891967 Gmdrm	hypo	CHH	-0.0718
Gm02	1902938	1903923 Gmdrm	hypo	CHH	-0.0216
Gm02	1909665	1910665 Gmdrm	hypo	CHH	-0.0286
Gm02	1920349	1921332 Gmdrm	hypo	CHH	-0.0229
Gm02	1925177	1925965 Gmdrm	hypo	CHH	-0.0228
Gm02	1929858	1930838 Gmdrm	hypo	CHH	-0.0768
Gm02	1931894	1932879 Gmdrm	hypo	CHH	-0.0575
Gm02	1933938	1934924 Gmdrm	hypo	CHH	-0.1574
Gm02	1935558	1936557 Gmdrm	hypo	CHH	-0.0944
Gm02	1936561	1937557 Gmdrm	hypo	CHH	-0.0663
Gm02	1937579	1938411 Gmdrm	hypo	CHH	-0.0223
Gm02	1948737	1949711 Gmdrm	hypo	CHH	-0.0207
Gm02	1954874	1955825 Gmdrm	hypo	CHH	-0.0164
Gm02	1967293	1968261 Gmdrm	hypo	CHH	-0.0399
Gm02	1971299	1972297 Gmdrm	hypo	CHH	-0.019
Gm02	1972337	1973337 Gmdrm	hypo	CHH	-0.311
Gm02	1973351	1974351 Gmdrm	hypo	CHH	-0.0239
Gm02	1974374	1975228 Gmdrm	hypo	CHH	-0.0151
Gm02	1978678	1979676 Gmdrm	hypo	CHH	-0.0645
Gm02	1979685	1980680 Gmdrm	hypo	CHH	-0.0391
Gm02	1981914	1982914 Gmdrm	hypo	CHH	-0.204
Gm02	1985596	1986588 Gmdrm	hypo	CHH	-0.0217
Gm02	1986606	1987605 Gmdrm	hypo	CHH	-0.0558
Gm02	1987610	1988606 Gmdrm	hypo	CHH	-0.1289
Gm02	1991483	1992480 Gmdrm	hypo	CHH	-0.1396
Gm02	2002344	2003006 Gmdrm	hypo	CHH	-0.0119
Gm02	2033521	2034521 Gmdrm	hypo	CHH	-0.0954
Gm02	2034526	2034784 Gmdrm	hypo	CHH	-0.0696
Gm02	2040068	2041068 Gmdrm	hypo	CHH	-0.0843
Gm02	2041089	2041815 Gmdrm	hypo	CHH	-0.0296
Gm02	2045823	2046816 Gmdrm	hypo	CHH	-0.037
Gm02	2055911	2056879 Gmdrm	hypo	CHH	-0.0172
Gm02	2066297	2067273 Gmdrm	hypo	CHH	-0.0113
Gm02	2068750	2069745 Gmdrm	hypo	CHH	-0.0847
Gm02	2069755	2070129 Gmdrm	hypo	CHH	-0.0755
Gm02	2075658	2076644 Gmdrm	hypo	CHH	-0.0426
Gm02	2076670	2077670 Gmdrm	hypo	CHH	-0.0477
Gm02	2080577	2081573 Gmdrm	hypo	CHH	-0.0355
Gm02	2097391	2098390 Gmdrm	hypo	CHH	-0.017
Gm02	2099501	2099964 Gmdrm	hypo	CHH	-0.0263
Gm02	2107213	2108202 Gmdrm	hypo	CHH	-0.0469
Gm02	2108218	2109216 Gmdrm	hypo	CHH	-0.071

Gm02	2109908	2110902 Gmdrm	hypo	CHH	-0.0652
Gm02	2110909	2111909 Gmdrm	hypo	CHH	-0.1985
Gm02	2111914	2112898 Gmdrm	hypo	CHH	-0.2005
Gm02	2130170	2131146 Gmdrm	hypo	CHH	-0.0172
Gm02	2131190	2132161 Gmdrm	hypo	CHH	-0.0241
Gm02	2135845	2136843 Gmdrm	hypo	CHH	-0.0623
Gm02	2136847	2137823 Gmdrm	hypo	CHH	-0.0745
Gm02	2142498	2143496 Gmdrm	hypo	CHH	-0.3787
Gm02	2177551	2177728 Gmdrm	hypo	CHH	-0.0345
Gm02	2180211	2181019 Gmdrm	hypo	CHH	-0.0256
Gm02	2187020	2188013 Gmdrm	hypo	CHH	-0.0782
Gm02	2188021	2189013 Gmdrm	hypo	CHH	-0.0173
Gm02	2189066	2190066 Gmdrm	hypo	CHH	-0.0323
Gm02	2190078	2191064 Gmdrm	hypo	CHH	-0.0565
Gm02	2193380	2194377 Gmdrm	hypo	CHH	-0.0551
Gm02	2199396	2200264 Gmdrm	hypo	CHH	-0.1238
Gm02	2207073	2208073 Gmdrm	hypo	CHH	-0.1907
Gm02	2209120	2210112 Gmdrm	hypo	CHH	-0.0336
Gm02	2212952	2213933 Gmdrm	hypo	CHH	-0.0172
Gm02	2226782	2227779 Gmdrm	hypo	CHH	-0.0129
Gm02	2229242	2230233 Gmdrm	hypo	CHH	-0.0789
Gm02	2237659	2238657 Gmdrm	hypo	CHH	-0.0936
Gm02	2238670	2239645 Gmdrm	hypo	CHH	-0.042
Gm02	2270332	2271325 Gmdrm	hypo	CHH	-0.1447
Gm02	2271334	2272330 Gmdrm	hypo	CHH	-0.0182
Gm02	2287365	2288357 Gmdrm	hypo	CHH	-0.0208
Gm02	2289434	2290424 Gmdrm	hypo	CHH	-0.0341
Gm02	2292511	2293499 Gmdrm	hypo	CHH	-0.1646
Gm02	2294197	2295191 Gmdrm	hypo	CHH	-0.0361
Gm02	2307482	2308482 Gmdrm	hypo	CHH	-0.0413
Gm02	2308486	2309482 Gmdrm	hypo	CHH	-0.1757
Gm02	2313513	2314269 Gmdrm	hypo	CHH	-0.0415
Gm02	2318903	2319839 Gmdrm	hypo	CHH	-0.0496
Gm02	2320032	2321031 Gmdrm	hypo	CHH	-0.1121
Gm02	2324702	2325414 Gmdrm	hypo	CHH	-0.0182
Gm02	2334154	2334633 Gmdrm	hypo	CHH	-0.0396
Gm02	2337095	2337554 Gmdrm	hypo	CHH	-0.05
Gm02	2348862	2349842 Gmdrm	hypo	CHH	-0.0139
Gm02	2357248	2357939 Gmdrm	hypo	CHH	-0.1901
Gm02	2363435	2364363 Gmdrm	hypo	CHH	-0.0251
Gm02	2365548	2366548 Gmdrm	hypo	CHH	-0.1648
Gm02	2367547	2368526 Gmdrm	hypo	CHH	-0.0458
Gm02	2369571	2370535 Gmdrm	hypo	CHH	-0.13
Gm02	2373688	2374685 Gmdrm	hypo	CHH	-0.0364
Gm02	2377140	2377779 Gmdrm	hypo	CHH	-0.024
Gm02	2377904	2378891 Gmdrm	hypo	CHH	-0.0176

Gm02	2390045	2391045 Gmdrm	hypo	CHH	-0.0229
Gm02	2400285	2401280 Gmdrm	hypo	CHH	-0.0249
Gm02	2406194	2407183 Gmdrm	hypo	CHH	-0.0175
Gm02	2432093	2433092 Gmdrm	hypo	CHH	-0.0421
Gm02	2433099	2434080 Gmdrm	hypo	CHH	-0.055
Gm02	2462553	2463545 Gmdrm	hypo	CHH	-0.2744
Gm02	2480012	2480971 Gmdrm	hypo	CHH	-0.2612
Gm02	2483278	2484278 Gmdrm	hypo	CHH	-0.2178
Gm02	2484279	2484848 Gmdrm	hypo	CHH	-0.3772
Gm02	2535636	2535766 Gmdrm	hypo	CHH	-0.1054
Gm02	2536315	2536875 Gmdrm	hypo	CHH	-0.1095
Gm02	2540053	2540818 Gmdrm	hypo	CHH	-0.0381
Gm02	2543895	2544888 Gmdrm	hypo	CHH	-0.057
Gm02	2553067	2553698 Gmdrm	hypo	CHH	-0.0181
Gm02	2557108	2558108 Gmdrm	hypo	CHH	-0.0554
Gm02	2558140	2559131 Gmdrm	hypo	CHH	-0.1719
Gm02	2565160	2566152 Gmdrm	hypo	CHH	-0.0166
Gm02	2566169	2567151 Gmdrm	hypo	CHH	-0.01
Gm02	2572299	2573295 Gmdrm	hypo	CHH	-0.0733
Gm02	2573300	2574291 Gmdrm	hypo	CHH	-0.0531
Gm02	2574302	2574961 Gmdrm	hypo	CHH	-0.087
Gm02	2577949	2578896 Gmdrm	hypo	CHH	-0.0408
Gm02	2585636	2585898 Gmdrm	hypo	CHH	-0.0513
Gm02	2588589	2589568 Gmdrm	hypo	CHH	-0.0318
Gm02	2590629	2591629 Gmdrm	hypo	CHH	-0.2535
Gm02	2591632	2592395 Gmdrm	hypo	CHH	-0.258
Gm02	2592656	2593626 Gmdrm	hypo	CHH	-0.2386
Gm02	2596946	2597118 Gmdrm	hypo	CHH	-0.0558
Gm02	2606097	2607095 Gmdrm	hypo	CHH	-0.1949
Gm02	2609504	2610503 Gmdrm	hypo	CHH	-0.0735
Gm02	2610512	2611512 Gmdrm	hypo	CHH	-0.0306
Gm02	2611524	2612519 Gmdrm	hypo	CHH	-0.0618
Gm02	2622447	2623446 Gmdrm	hypo	CHH	-0.0867
Gm02	2623448	2624419 Gmdrm	hypo	CHH	-0.0315
Gm02	2634625	2635347 Gmdrm	hypo	CHH	-0.0272
Gm02	2644499	2645498 Gmdrm	hypo	CHH	-0.0209
Gm02	2645755	2646742 Gmdrm	hypo	CHH	-0.0262
Gm02	2663090	2664078 Gmdrm	hypo	CHH	-0.0582
Gm02	2666490	2667449 Gmdrm	hypo	CHH	-0.0823
Gm02	2669535	2670527 Gmdrm	hypo	CHH	-0.0278
Gm02	2673593	2674573 Gmdrm	hypo	CHH	-0.0145
Gm02	2675602	2676602 Gmdrm	hypo	CHH	-0.026
Gm02	2676603	2677579 Gmdrm	hypo	CHH	-0.0288
Gm02	2678639	2679606 Gmdrm	hypo	CHH	-0.0181
Gm02	2685062	2685627 Gmdrm	hypo	CHH	-0.1326
Gm02	2686787	2687773 Gmdrm	hypo	CHH	-0.0119

Gm02	2688823	2689823 Gmdrm	hypo	CHH	-0.0118
Gm02	2697864	2698844 Gmdrm	hypo	CHH	-0.0108
Gm02	2707667	2708506 Gmdrm	hypo	CHH	-0.1224
Gm02	2708653	2709172 Gmdrm	hypo	CHH	-0.1112
Gm02	2709282	2710282 Gmdrm	hypo	CHH	-0.0263
Gm02	2724688	2725617 Gmdrm	hypo	CHH	-0.0239
Gm02	2725733	2726239 Gmdrm	hypo	CHH	-0.3091
Gm02	2731824	2732819 Gmdrm	hypo	CHH	-0.0842
Gm02	2738118	2739114 Gmdrm	hypo	CHH	-0.0629
Gm02	2739137	2740083 Gmdrm	hypo	CHH	-0.0132
Gm02	2741749	2742732 Gmdrm	hypo	CHH	-0.0138
Gm02	2745787	2746785 Gmdrm	hypo	CHH	-0.0934
Gm02	2746962	2747962 Gmdrm	hypo	CHH	-0.052
Gm02	2756875	2757875 Gmdrm	hypo	CHH	-0.017
Gm02	2758936	2759908 Gmdrm	hypo	CHH	-0.0188
Gm02	2764488	2765488 Gmdrm	hypo	CHH	-0.0117
Gm02	2765499	2766495 Gmdrm	hypo	CHH	-0.1015
Gm02	2770164	2771157 Gmdrm	hypo	CHH	-0.0567
Gm02	2794638	2795610 Gmdrm	hypo	CHH	-0.0306
Gm02	2800748	2801745 Gmdrm	hypo	CHH	-0.1907
Gm02	2808412	2808554 Gmdrm	hypo	CHH	-0.0353
Gm02	2809719	2810719 Gmdrm	hypo	CHH	-0.0389
Gm02	2817939	2818930 Gmdrm	hypo	CHH	-0.0265
Gm02	2823134	2823425 Gmdrm	hypo	CHH	-0.0318
Gm02	2823535	2823979 Gmdrm	hypo	CHH	-0.0223
Gm02	2827160	2828160 Gmdrm	hypo	CHH	-0.0155
Gm02	2828189	2829140 Gmdrm	hypo	CHH	-0.0534
Gm02	2842444	2843250 Gmdrm	hypo	CHH	-0.039
Gm02	2844418	2845387 Gmdrm	hypo	CHH	-0.0135
Gm02	2848625	2849618 Gmdrm	hypo	CHH	-0.0357
Gm02	2855724	2856212 Gmdrm	hypo	CHH	-0.0162
Gm02	2856320	2857290 Gmdrm	hypo	CHH	-0.1812
Gm02	2860377	2861372 Gmdrm	hypo	CHH	-0.0195
Gm02	2873903	2874888 Gmdrm	hypo	CHH	-0.194
Gm02	2885289	2886274 Gmdrm	hypo	CHH	-0.181
Gm02	2887339	2888093 Gmdrm	hypo	CHH	-0.0244
Gm02	2899279	2899410 Gmdrm	hypo	CHH	-0.026
Gm02	2908688	2909678 Gmdrm	hypo	CHH	-0.0414
Gm02	2924577	2925576 Gmdrm	hypo	CHH	-0.0179
Gm02	2933005	2933983 Gmdrm	hypo	CHH	-0.0149
Gm02	2934017	2935017 Gmdrm	hypo	CHH	-0.042
Gm02	2935025	2936025 Gmdrm	hypo	CHH	-0.0416
Gm02	2936034	2937028 Gmdrm	hypo	CHH	-0.022
Gm02	2941534	2942532 Gmdrm	hypo	CHH	-0.0433
Gm02	2942544	2943516 Gmdrm	hypo	CHH	-0.1427
Gm02	2950615	2951615 Gmdrm	hypo	CHH	-0.02

Gm02	2962006	2963006 Gmdrm	hypo	CHH	-0.0156
Gm02	2970520	2971515 Gmdrm	hypo	CHH	-0.0641
Gm02	2971554	2972554 Gmdrm	hypo	CHH	-0.0157
Gm02	2972577	2973575 Gmdrm	hypo	CHH	-0.0319
Gm02	2973582	2974567 Gmdrm	hypo	CHH	-0.0184
Gm02	2975459	2976446 Gmdrm	hypo	CHH	-0.0857
Gm02	2979430	2979555 Gmdrm	hypo	CHH	-0.0713
Gm02	2993385	2994358 Gmdrm	hypo	CHH	-0.0374
Gm02	3007198	3008173 Gmdrm	hypo	CHH	-0.2539
Gm02	3016389	3016783 Gmdrm	hypo	CHH	-0.0244
Gm02	3025217	3026214 Gmdrm	hypo	CHH	-0.066
Gm02	3029960	3030912 Gmdrm	hypo	CHH	-0.0481
Gm02	3035282	3036268 Gmdrm	hypo	CHH	-0.1268
Gm02	3045997	3046975 Gmdrm	hypo	CHH	-0.1463
Gm02	3047005	3047724 Gmdrm	hypo	CHH	-0.2074
Gm02	3071916	3072916 Gmdrm	hypo	CHH	-0.0141
Gm02	3077336	3078325 Gmdrm	hypo	CHH	-0.4063
Gm02	3088350	3089349 Gmdrm	hypo	CHH	-0.2855
Gm02	3092821	3093473 Gmdrm	hypo	CHH	-0.0212
Gm02	3112188	3113179 Gmdrm	hypo	CHH	-0.0191
Gm02	3122905	3123883 Gmdrm	hypo	CHH	-0.023
Gm02	3127313	3128305 Gmdrm	hypo	CHH	-0.0578
Gm02	3128318	3129318 Gmdrm	hypo	CHH	-0.1993
Gm02	3129324	3129897 Gmdrm	hypo	CHH	-0.0227
Gm02	3131012	3132008 Gmdrm	hypo	CHH	-0.211
Gm02	3134434	3135432 Gmdrm	hypo	CHH	-0.0398
Gm02	3144246	3145211 Gmdrm	hypo	CHH	-0.088
Gm02	3168830	3169828 Gmdrm	hypo	CHH	-0.0584
Gm02	3171840	3172813 Gmdrm	hypo	CHH	-0.1052
Gm02	3203247	3204127 Gmdrm	hypo	CHH	-0.0211
Gm02	3205607	3206600 Gmdrm	hypo	CHH	-0.0262
Gm02	3217281	3218250 Gmdrm	hypo	CHH	-0.0914
Gm02	3219746	3220269 Gmdrm	hypo	CHH	-0.0346
Gm02	3248188	3249178 Gmdrm	hypo	CHH	-0.02
Gm02	3253110	3253931 Gmdrm	hypo	CHH	-0.0161
Gm02	3255301	3256288 Gmdrm	hypo	CHH	-0.0242
Gm02	3277473	3278471 Gmdrm	hypo	CHH	-0.0593
Gm02	3280643	3281592 Gmdrm	hypo	CHH	-0.0215
Gm02	3297910	3298904 Gmdrm	hypo	CHH	-0.2015
Gm02	3302392	3303377 Gmdrm	hypo	CHH	-0.0152
Gm02	3319928	3320896 Gmdrm	hypo	CHH	-0.1096
Gm02	3331020	3331958 Gmdrm	hypo	CHH	-0.0539
Gm02	3335142	3336142 Gmdrm	hypo	CHH	-0.0529
Gm02	3336145	3337141 Gmdrm	hypo	CHH	-0.0439
Gm02	3339188	3340133 Gmdrm	hypo	CHH	-0.0174
Gm02	3343246	3344231 Gmdrm	hypo	CHH	-0.1665

Gm02	3347675	3348671 Gmdrm	hypo	CHH	-0.0536
Gm02	3353238	3354226 Gmdrm	hypo	CHH	-0.0113
Gm02	3354247	3354900 Gmdrm	hypo	CHH	-0.0146
Gm02	3366162	3366488 Gmdrm	hypo	CHH	-0.1068
Gm02	3377345	3378344 Gmdrm	hypo	CHH	-0.0341
Gm02	3381358	3382354 Gmdrm	hypo	CHH	-0.0182
Gm02	3388415	3389407 Gmdrm	hypo	CHH	-0.0339
Gm02	3393465	3393873 Gmdrm	hypo	CHH	-0.0847
Gm02	3394300	3394622 Gmdrm	hypo	CHH	-0.2826
Gm02	3395747	3396741 Gmdrm	hypo	CHH	-0.0207
Gm02	3404287	3404407 Gmdrm	hypo	CHH	-0.0516
Gm02	3405648	3406606 Gmdrm	hypo	CHH	-0.0188
Gm02	3406666	3407665 Gmdrm	hypo	CHH	-0.0446
Gm02	3407673	3408664 Gmdrm	hypo	CHH	-0.0826
Gm02	3421827	3422824 Gmdrm	hypo	CHH	-0.0859
Gm02	3430393	3431351 Gmdrm	hypo	CHH	-0.0185
Gm02	3432396	3433364 Gmdrm	hypo	CHH	-0.0555
Gm02	3433419	3433839 Gmdrm	hypo	CHH	-0.0274
Gm02	3450229	3451222 Gmdrm	hypo	CHH	-0.0675
Gm02	3458861	3459614 Gmdrm	hypo	CHH	-0.0215
Gm02	3461787	3462785 Gmdrm	hypo	CHH	-0.0919
Gm02	3466680	3467680 Gmdrm	hypo	CHH	-0.0269
Gm02	3472221	3473215 Gmdrm	hypo	CHH	-0.1352
Gm02	3473223	3474212 Gmdrm	hypo	CHH	-0.1229
Gm02	3474227	3475197 Gmdrm	hypo	CHH	-0.2512
Gm02	3477283	3478092 Gmdrm	hypo	CHH	-0.0749
Gm02	3490024	3491021 Gmdrm	hypo	CHH	-0.0333
Gm02	3491032	3491974 Gmdrm	hypo	CHH	-0.0473
Gm02	3492036	3492584 Gmdrm	hypo	CHH	-0.0228
Gm02	3518836	3519156 Gmdrm	hypo	CHH	-0.0423
Gm02	3522657	3523649 Gmdrm	hypo	CHH	-0.0535
Gm02	3523660	3524650 Gmdrm	hypo	CHH	-0.1196
Gm02	3524662	3525646 Gmdrm	hypo	CHH	-0.1421
Gm02	3525665	3526644 Gmdrm	hypo	CHH	-0.3948
Gm02	3535997	3536900 Gmdrm	hypo	CHH	-0.0281
Gm02	3547889	3548869 Gmdrm	hypo	CHH	-0.0449
Gm02	3548902	3549896 Gmdrm	hypo	CHH	-0.0961
Gm02	3549906	3550897 Gmdrm	hypo	CHH	-0.1755
Gm02	3573718	3574705 Gmdrm	hypo	CHH	-0.0109
Gm02	3578788	3579778 Gmdrm	hypo	CHH	-0.0303
Gm02	3610956	3611925 Gmdrm	hypo	CHH	-0.2276
Gm02	3615205	3616187 Gmdrm	hypo	CHH	-0.023
Gm02	3624522	3625361 Gmdrm	hypo	CHH	-0.3152
Gm02	3637534	3638512 Gmdrm	hypo	CHH	-0.0259
Gm02	3638811	3639807 Gmdrm	hypo	CHH	-0.0223
Gm02	3639817	3640763 Gmdrm	hypo	CHH	-0.018

Gm02	3648943	3649930 Gmdrm	hypo	CHH	-0.0326
Gm02	3654896	3655102 Gmdrm	hypo	CHH	-0.2212
Gm02	3655407	3656296 Gmdrm	hypo	CHH	-0.17
Gm02	3660311	3661306 Gmdrm	hypo	CHH	-0.0512
Gm02	3661323	3662297 Gmdrm	hypo	CHH	-0.0564
Gm02	3662324	3663309 Gmdrm	hypo	CHH	-0.0182
Gm02	3665379	3665805 Gmdrm	hypo	CHH	-0.04
Gm02	3668742	3669529 Gmdrm	hypo	CHH	-0.0162
Gm02	3675482	3676476 Gmdrm	hypo	CHH	-0.0113
Gm02	3677540	3678532 Gmdrm	hypo	CHH	-0.0193
Gm02	3686625	3687621 Gmdrm	hypo	CHH	-0.0297
Gm02	3699456	3700451 Gmdrm	hypo	CHH	-0.1153
Gm02	3700460	3701446 Gmdrm	hypo	CHH	-0.0406
Gm02	3701462	3702441 Gmdrm	hypo	CHH	-0.0755
Gm02	3702486	3703482 Gmdrm	hypo	CHH	-0.1548
Gm02	3703496	3704493 Gmdrm	hypo	CHH	-0.0193
Gm02	3706506	3707506 Gmdrm	hypo	CHH	-0.0279
Gm02	3709326	3710326 Gmdrm	hypo	CHH	-0.1323
Gm02	3710329	3711328 Gmdrm	hypo	CHH	-0.0799
Gm02	3730234	3731226 Gmdrm	hypo	CHH	-0.1278
Gm02	3733248	3734238 Gmdrm	hypo	CHH	-0.0144
Gm02	3738462	3739456 Gmdrm	hypo	CHH	-0.0447
Gm02	3739690	3740653 Gmdrm	hypo	CHH	-0.119
Gm02	3740691	3741688 Gmdrm	hypo	CHH	-0.0124
Gm02	3743436	3744029 Gmdrm	hypo	CHH	-0.0143
Gm02	3747685	3748677 Gmdrm	hypo	CHH	-0.0534
Gm02	3756098	3757089 Gmdrm	hypo	CHH	-0.0465
Gm02	3765679	3766678 Gmdrm	hypo	CHH	-0.026
Gm02	3767693	3768691 Gmdrm	hypo	CHH	-0.1046
Gm02	3768700	3768942 Gmdrm	hypo	CHH	-0.14
Gm02	3774843	3775841 Gmdrm	hypo	CHH	-0.045
Gm02	3786100	3787099 Gmdrm	hypo	CHH	-0.028
Gm02	3796388	3797383 Gmdrm	hypo	CHH	-0.0792
Gm02	3805817	3806799 Gmdrm	hypo	CHH	-0.0463
Gm02	3808847	3808917 Gmdrm	hypo	CHH	-0.0855
Gm02	3810072	3811070 Gmdrm	hypo	CHH	-0.0108
Gm02	3816440	3816760 Gmdrm	hypo	CHH	-0.0544
Gm02	3817897	3818863 Gmdrm	hypo	CHH	-0.0122
Gm02	3819926	3820922 Gmdrm	hypo	CHH	-0.187
Gm02	3820927	3821247 Gmdrm	hypo	CHH	-0.3949
Gm02	3824395	3825385 Gmdrm	hypo	CHH	-0.0337
Gm02	3825401	3826390 Gmdrm	hypo	CHH	-0.0152
Gm02	3826466	3827466 Gmdrm	hypo	CHH	-0.0382
Gm02	3827472	3828467 Gmdrm	hypo	CHH	-0.0456
Gm02	3828473	3829464 Gmdrm	hypo	CHH	-0.072
Gm02	3829481	3830469 Gmdrm	hypo	CHH	-0.0955

Gm02	3840559	3841540 Gmdrm	hypo	CHH	-0.0339
Gm02	3842692	3843430 Gmdrm	hypo	CHH	-0.0684
Gm02	3850166	3851160 Gmdrm	hypo	CHH	-0.0179
Gm02	3890505	3891502 Gmdrm	hypo	CHH	-0.0668
Gm02	3891513	3892511 Gmdrm	hypo	CHH	-0.1191
Gm02	3897650	3898648 Gmdrm	hypo	CHH	-0.028
Gm02	3898652	3899646 Gmdrm	hypo	CHH	-0.0562
Gm02	3903623	3904617 Gmdrm	hypo	CHH	-0.02
Gm02	3908289	3909285 Gmdrm	hypo	CHH	-0.0462
Gm02	3914032	3915028 Gmdrm	hypo	CHH	-0.0212
Gm02	3917103	3918087 Gmdrm	hypo	CHH	-0.0512
Gm02	3924259	3924782 Gmdrm	hypo	CHH	-0.0356
Gm02	3924895	3925885 Gmdrm	hypo	CHH	-0.0604
Gm02	3937083	3938083 Gmdrm	hypo	CHH	-0.1034
Gm02	3938787	3939358 Gmdrm	hypo	CHH	-0.0461
Gm02	3949911	3950594 Gmdrm	hypo	CHH	-0.0225
Gm02	3968402	3969327 Gmdrm	hypo	CHH	-0.0256
Gm02	3973246	3974246 Gmdrm	hypo	CHH	-0.0606
Gm02	3974249	3974511 Gmdrm	hypo	CHH	-0.0847
Gm02	3974639	3975639 Gmdrm	hypo	CHH	-0.1341
Gm02	3976691	3977682 Gmdrm	hypo	CHH	-0.0209
Gm02	3998724	3998823 Gmdrm	hypo	CHH	-0.0638
Gm02	4005882	4006882 Gmdrm	hypo	CHH	-0.0242
Gm02	4006899	4007887 Gmdrm	hypo	CHH	-0.0136
Gm02	4007908	4008849 Gmdrm	hypo	CHH	-0.1018
Gm02	4016317	4017316 Gmdrm	hypo	CHH	-0.076
Gm02	4017324	4018090 Gmdrm	hypo	CHH	-0.0524
Gm02	4025038	4026031 Gmdrm	hypo	CHH	-0.019
Gm02	4028131	4029114 Gmdrm	hypo	CHH	-0.0127
Gm02	4041479	4042474 Gmdrm	hypo	CHH	-0.0203
Gm02	4047240	4048226 Gmdrm	hypo	CHH	-0.0226
Gm02	4048249	4048732 Gmdrm	hypo	CHH	-0.0361
Gm02	4048839	4049836 Gmdrm	hypo	CHH	-0.1289
Gm02	4049848	4050847 Gmdrm	hypo	CHH	-0.0881
Gm02	4052606	4053601 Gmdrm	hypo	CHH	-0.054
Gm02	4053610	4054603 Gmdrm	hypo	CHH	-0.2477
Gm02	4054625	4055624 Gmdrm	hypo	CHH	-0.0339
Gm02	4055645	4056634 Gmdrm	hypo	CHH	-0.0179
Gm02	4063379	4063959 Gmdrm	hypo	CHH	-0.258
Gm02	4067688	4068614 Gmdrm	hypo	CHH	-0.0118
Gm02	4073966	4074249 Gmdrm	hypo	CHH	-0.0236
Gm02	4085429	4086233 Gmdrm	hypo	CHH	-0.0172
Gm02	4094816	4094893 Gmdrm	hypo	CHH	-0.1469
Gm02	4095195	4095624 Gmdrm	hypo	CHH	-0.089
Gm02	4100684	4101662 Gmdrm	hypo	CHH	-0.0771
Gm02	4103054	4104049 Gmdrm	hypo	CHH	-0.0211

Gm02	4134466	4135421 Gmdrm	hypo	CHH	-0.0919
Gm02	4147791	4148763 Gmdrm	hypo	CHH	-0.0216
Gm02	4148797	4149547 Gmdrm	hypo	CHH	-0.0258
Gm02	4152773	4153081 Gmdrm	hypo	CHH	-0.0262
Gm02	4167849	4168826 Gmdrm	hypo	CHH	-0.0289
Gm02	4185045	4185762 Gmdrm	hypo	CHH	-0.0451
Gm02	4186779	4187779 Gmdrm	hypo	CHH	-0.0942
Gm02	4187780	4188780 Gmdrm	hypo	CHH	-0.1032
Gm02	4188784	4189775 Gmdrm	hypo	CHH	-0.0789
Gm02	4199598	4200598 Gmdrm	hypo	CHH	-0.0512
Gm02	4200599	4201389 Gmdrm	hypo	CHH	-0.2015
Gm02	4205050	4206050 Gmdrm	hypo	CHH	-0.1546
Gm02	4206051	4207046 Gmdrm	hypo	CHH	-0.029
Gm02	4207088	4208078 Gmdrm	hypo	CHH	-0.0151
Gm02	4208089	4209061 Gmdrm	hypo	CHH	-0.0346
Gm02	4210096	4211091 Gmdrm	hypo	CHH	-0.0152
Gm02	4219906	4220405 Gmdrm	hypo	CHH	-0.0535
Gm02	4237340	4238315 Gmdrm	hypo	CHH	-0.0537
Gm02	4241158	4242101 Gmdrm	hypo	CHH	-0.0808
Gm02	4242199	4242361 Gmdrm	hypo	CHH	-0.1184
Gm02	4242490	4243488 Gmdrm	hypo	CHH	-0.0145
Gm02	4255668	4256667 Gmdrm	hypo	CHH	-0.0586
Gm02	4256670	4257635 Gmdrm	hypo	CHH	-0.0408
Gm02	4261407	4262389 Gmdrm	hypo	CHH	-0.0268
Gm02	4268796	4269787 Gmdrm	hypo	CHH	-0.029
Gm02	4269803	4270801 Gmdrm	hypo	CHH	-0.0351
Gm02	4274864	4275858 Gmdrm	hypo	CHH	-0.0718
Gm02	4275865	4276830 Gmdrm	hypo	CHH	-0.0363
Gm02	4286628	4287612 Gmdrm	hypo	CHH	-0.0112
Gm02	4294639	4295636 Gmdrm	hypo	CHH	-0.0142
Gm02	4297488	4298469 Gmdrm	hypo	CHH	-0.0216
Gm02	4304237	4305235 Gmdrm	hypo	CHH	-0.0233
Gm02	4306387	4307386 Gmdrm	hypo	CHH	-0.0458
Gm02	4309727	4310710 Gmdrm	hypo	CHH	-0.1783
Gm02	4319727	4320727 Gmdrm	hypo	CHH	-0.0142
Gm02	4332154	4333143 Gmdrm	hypo	CHH	-0.0968
Gm02	4334170	4335170 Gmdrm	hypo	CHH	-0.0331
Gm02	4335175	4336169 Gmdrm	hypo	CHH	-0.0391
Gm02	4343603	4344528 Gmdrm	hypo	CHH	-0.0157
Gm02	4346716	4347710 Gmdrm	hypo	CHH	-0.036
Gm02	4349457	4350001 Gmdrm	hypo	CHH	-0.1909
Gm02	4350314	4350930 Gmdrm	hypo	CHH	-0.3278
Gm02	4351794	4352794 Gmdrm	hypo	CHH	-0.0521
Gm02	4352798	4353787 Gmdrm	hypo	CHH	-0.0417
Gm02	4356015	4357012 Gmdrm	hypo	CHH	-0.0183
Gm02	4357016	4358007 Gmdrm	hypo	CHH	-0.1134

Gm02	4364225	4365221 Gmdrm	hypo	CHH	-0.3715
Gm02	4371029	4372010 Gmdrm	hypo	CHH	-0.0147
Gm02	4374148	4375143 Gmdrm	hypo	CHH	-0.0804
Gm02	4375152	4376151 Gmdrm	hypo	CHH	-0.0696
Gm02	4379500	4380486 Gmdrm	hypo	CHH	-0.0187
Gm02	4380502	4381492 Gmdrm	hypo	CHH	-0.0644
Gm02	4382539	4383538 Gmdrm	hypo	CHH	-0.0353
Gm02	4389327	4390325 Gmdrm	hypo	CHH	-0.2579
Gm02	4390329	4391329 Gmdrm	hypo	CHH	-0.1153
Gm02	4394373	4394438 Gmdrm	hypo	CHH	-0.0467
Gm02	4400649	4400980 Gmdrm	hypo	CHH	-0.0265
Gm02	4404152	4405133 Gmdrm	hypo	CHH	-0.0191
Gm02	4406644	4407624 Gmdrm	hypo	CHH	-0.2668
Gm02	4413434	4414432 Gmdrm	hypo	CHH	-0.0119
Gm02	4415474	4416473 Gmdrm	hypo	CHH	-0.0517
Gm02	4419520	4420518 Gmdrm	hypo	CHH	-0.2503
Gm02	4420524	4421497 Gmdrm	hypo	CHH	-0.2508
Gm02	4426261	4427260 Gmdrm	hypo	CHH	-0.0551
Gm02	4427264	4428206 Gmdrm	hypo	CHH	-0.0668
Gm02	4447021	4448009 Gmdrm	hypo	CHH	-0.0238
Gm02	4461915	4462144 Gmdrm	hypo	CHH	-0.0433
Gm02	4478513	4479096 Gmdrm	hypo	CHH	-0.0318
Gm02	4484606	4485587 Gmdrm	hypo	CHH	-0.0247
Gm02	4489326	4490311 Gmdrm	hypo	CHH	-0.0163
Gm02	4493462	4494248 Gmdrm	hypo	CHH	-0.0547
Gm02	4497942	4498934 Gmdrm	hypo	CHH	-0.0216
Gm02	4501208	4502162 Gmdrm	hypo	CHH	-0.0102
Gm02	4515495	4516493 Gmdrm	hypo	CHH	-0.095
Gm02	4516497	4517487 Gmdrm	hypo	CHH	-0.0356
Gm02	4518506	4519497 Gmdrm	hypo	CHH	-0.0211
Gm02	4519527	4520372 Gmdrm	hypo	CHH	-0.0307
Gm02	4525491	4526479 Gmdrm	hypo	CHH	-0.0302
Gm02	4526497	4527463 Gmdrm	hypo	CHH	-0.0332
Gm02	4527530	4528501 Gmdrm	hypo	CHH	-0.0179
Gm02	4536681	4537551 Gmdrm	hypo	CHH	-0.0494
Gm02	4537652	4538591 Gmdrm	hypo	CHH	-0.0488
Gm02	4541014	4542004 Gmdrm	hypo	CHH	-0.0207
Gm02	4543562	4544215 Gmdrm	hypo	CHH	-0.1644
Gm02	4555488	4556488 Gmdrm	hypo	CHH	-0.0352
Gm02	4556500	4557084 Gmdrm	hypo	CHH	-0.0588
Gm02	4561213	4561735 Gmdrm	hypo	CHH	-0.0238
Gm02	4562137	4562265 Gmdrm	hypo	CHH	-0.078
Gm02	4566426	4567423 Gmdrm	hypo	CHH	-0.0279
Gm02	4571203	4572200 Gmdrm	hypo	CHH	-0.0824
Gm02	4577060	4578017 Gmdrm	hypo	CHH	-0.0136
Gm02	4583824	4584229 Gmdrm	hypo	CHH	-0.0531

Gm02	4591443	4592442 Gmdrm	hypo	CHH	-0.1183
Gm02	4598920	4599918 Gmdrm	hypo	CHH	-0.0209
Gm02	4623539	4624520 Gmdrm	hypo	CHH	-0.0763
Gm02	4626238	4626627 Gmdrm	hypo	CHH	-0.055
Gm02	4629204	4630204 Gmdrm	hypo	CHH	-0.111
Gm02	4630206	4631203 Gmdrm	hypo	CHH	-0.0851
Gm02	4633445	4634442 Gmdrm	hypo	CHH	-0.0158
Gm02	4642137	4643135 Gmdrm	hypo	CHH	-0.0366
Gm02	4643146	4644145 Gmdrm	hypo	CHH	-0.0785
Gm02	4644148	4645143 Gmdrm	hypo	CHH	-0.1157
Gm02	4650337	4651335 Gmdrm	hypo	CHH	-0.0526
Gm02	4653621	4654611 Gmdrm	hypo	CHH	-0.2363
Gm02	4656547	4656835 Gmdrm	hypo	CHH	-0.0488
Gm02	4676389	4677377 Gmdrm	hypo	CHH	-0.0308
Gm02	4687562	4688506 Gmdrm	hypo	CHH	-0.0262
Gm02	4698555	4699171 Gmdrm	hypo	CHH	-0.0222
Gm02	4723762	4724762 Gmdrm	hypo	CHH	-0.017
Gm02	4728483	4729481 Gmdrm	hypo	CHH	-0.0355
Gm02	4730960	4731959 Gmdrm	hypo	CHH	-0.0161
Gm02	4731967	4732067 Gmdrm	hypo	CHH	-0.0577
Gm02	4732170	4733147 Gmdrm	hypo	CHH	-0.0127
Gm02	4743695	4744695 Gmdrm	hypo	CHH	-0.0126
Gm02	4747168	4748162 Gmdrm	hypo	CHH	-0.03
Gm02	4763553	4764540 Gmdrm	hypo	CHH	-0.0156
Gm02	4767844	4768839 Gmdrm	hypo	CHH	-0.2492
Gm02	4768855	4769830 Gmdrm	hypo	CHH	-0.0957
Gm02	4771930	4772928 Gmdrm	hypo	CHH	-0.2571
Gm02	4772931	4773294 Gmdrm	hypo	CHH	-0.1794
Gm02	4781011	4781968 Gmdrm	hypo	CHH	-0.0173
Gm02	4786904	4787898 Gmdrm	hypo	CHH	-0.0581
Gm02	4789686	4789871 Gmdrm	hypo	CHH	-0.0736
Gm02	4789988	4790769 Gmdrm	hypo	CHH	-0.3096
Gm02	4791113	4791201 Gmdrm	hypo	CHH	-0.6133
Gm02	4791688	4792687 Gmdrm	hypo	CHH	-0.0436
Gm02	4797507	4798494 Gmdrm	hypo	CHH	-0.0394
Gm02	4798516	4799488 Gmdrm	hypo	CHH	-0.0419
Gm02	4818709	4819690 Gmdrm	hypo	CHH	-0.0312
Gm02	4819721	4820709 Gmdrm	hypo	CHH	-0.0153
Gm02	4820723	4821662 Gmdrm	hypo	CHH	-0.0743
Gm02	4829901	4830857 Gmdrm	hypo	CHH	-0.0517
Gm02	4842857	4843836 Gmdrm	hypo	CHH	-0.3
Gm02	4850308	4851305 Gmdrm	hypo	CHH	-0.0254
Gm02	4853080	4854078 Gmdrm	hypo	CHH	-0.0352
Gm02	4854082	4855045 Gmdrm	hypo	CHH	-0.0562
Gm02	4855109	4856061 Gmdrm	hypo	CHH	-0.0208
Gm02	4856114	4857101 Gmdrm	hypo	CHH	-0.0116

Gm02	4877103	4878071 Gmdrm	hypo	CHH	-0.013
Gm02	4886596	4887592 Gmdrm	hypo	CHH	-0.0712
Gm02	4887600	4888551 Gmdrm	hypo	CHH	-0.045
Gm02	4891810	4892809 Gmdrm	hypo	CHH	-0.1022
Gm02	4892819	4893807 Gmdrm	hypo	CHH	-0.1867
Gm02	4893821	4894812 Gmdrm	hypo	CHH	-0.1475
Gm02	4896774	4897762 Gmdrm	hypo	CHH	-0.0741
Gm02	4897779	4898746 Gmdrm	hypo	CHH	-0.0704
Gm02	4899781	4900779 Gmdrm	hypo	CHH	-0.0159
Gm02	4900783	4901782 Gmdrm	hypo	CHH	-0.0259
Gm02	4903739	4904455 Gmdrm	hypo	CHH	-0.0236
Gm02	4918231	4919217 Gmdrm	hypo	CHH	-0.066
Gm02	4921022	4922018 Gmdrm	hypo	CHH	-0.0322
Gm02	4927302	4928292 Gmdrm	hypo	CHH	-0.0874
Gm02	4941585	4942425 Gmdrm	hypo	CHH	-0.0197
Gm02	4943570	4944562 Gmdrm	hypo	CHH	-0.2552
Gm02	4946527	4946820 Gmdrm	hypo	CHH	-0.0237
Gm02	4955842	4956805 Gmdrm	hypo	CHH	-0.0319
Gm02	4965773	4966772 Gmdrm	hypo	CHH	-0.0118
Gm02	4984254	4985237 Gmdrm	hypo	CHH	-0.0899
Gm02	4985265	4986260 Gmdrm	hypo	CHH	-0.0361
Gm02	4986274	4987270 Gmdrm	hypo	CHH	-0.0335
Gm02	4992312	4993276 Gmdrm	hypo	CHH	-0.013
Gm02	4993586	4994584 Gmdrm	hypo	CHH	-0.0183
Gm02	4994587	4995579 Gmdrm	hypo	CHH	-0.0116
Gm02	5002528	5002651 Gmdrm	hypo	CHH	-0.055
Gm02	5004215	5005181 Gmdrm	hypo	CHH	-0.0273
Gm02	5006352	5007351 Gmdrm	hypo	CHH	-0.3197
Gm02	5007355	5008332 Gmdrm	hypo	CHH	-0.1069
Gm02	5013294	5014253 Gmdrm	hypo	CHH	-0.0444
Gm02	5021798	5022798 Gmdrm	hypo	CHH	-0.0323
Gm02	5022803	5023669 Gmdrm	hypo	CHH	-0.2506
Gm02	5025790	5026789 Gmdrm	hypo	CHH	-0.0223
Gm02	5026793	5027788 Gmdrm	hypo	CHH	-0.0204
Gm02	5030882	5031871 Gmdrm	hypo	CHH	-0.0223
Gm02	5032728	5032834 Gmdrm	hypo	CHH	-0.11
Gm02	5049734	5050022 Gmdrm	hypo	CHH	-0.0575
Gm02	5055412	5056398 Gmdrm	hypo	CHH	-0.0221
Gm02	5059170	5060167 Gmdrm	hypo	CHH	-0.0154
Gm02	5069879	5070835 Gmdrm	hypo	CHH	-0.0187
Gm02	5082929	5083929 Gmdrm	hypo	CHH	-0.114
Gm02	5083930	5084879 Gmdrm	hypo	CHH	-0.0611
Gm02	5090171	5090379 Gmdrm	hypo	CHH	-0.0293
Gm02	5096980	5097972 Gmdrm	hypo	CHH	-0.0278
Gm02	5097981	5098278 Gmdrm	hypo	CHH	-0.0668
Gm02	5098539	5099464 Gmdrm	hypo	CHH	-0.029

Gm02	5140645	5141496	Gmdrm	hypo	CHH	-0.1736
Gm02	5143664	5144662	Gmdrm	hypo	CHH	-0.0461
Gm02	5144699	5145695	Gmdrm	hypo	CHH	-0.0732
Gm02	5159447	5160446	Gmdrm	hypo	CHH	-0.052
Gm02	5160581	5161570	Gmdrm	hypo	CHH	-0.0758
Gm02	5167617	5168604	Gmdrm	hypo	CHH	-0.2959
Gm02	5168627	5169556	Gmdrm	hypo	CHH	-0.0382
Gm02	5172627	5173622	Gmdrm	hypo	CHH	-0.0776
Gm02	5173628	5174574	Gmdrm	hypo	CHH	-0.205
Gm02	5174644	5175634	Gmdrm	hypo	CHH	-0.0743
Gm02	5178817	5179773	Gmdrm	hypo	CHH	-0.0245
Gm02	5190683	5191683	Gmdrm	hypo	CHH	-0.0726
Gm02	5191693	5192686	Gmdrm	hypo	CHH	-0.0732
Gm02	5196466	5197451	Gmdrm	hypo	CHH	-0.0181
Gm02	5197469	5198449	Gmdrm	hypo	CHH	-0.0399
Gm02	5202425	5203425	Gmdrm	hypo	CHH	-0.0284
Gm02	5203429	5204423	Gmdrm	hypo	CHH	-0.0561
Gm02	5204435	5205072	Gmdrm	hypo	CHH	-0.171
Gm02	5205185	5205301	Gmdrm	hypo	CHH	-0.055
Gm02	5209564	5210559	Gmdrm	hypo	CHH	-0.0832
Gm02	5210567	5211561	Gmdrm	hypo	CHH	-0.0354
Gm02	5213771	5214025	Gmdrm	hypo	CHH	-0.0271
Gm02	5215864	5216857	Gmdrm	hypo	CHH	-0.0503
Gm02	5221562	5222554	Gmdrm	hypo	CHH	-0.1268
Gm02	5222563	5223562	Gmdrm	hypo	CHH	-0.0154
Gm02	5232167	5233004	Gmdrm	hypo	CHH	-0.0241
Gm02	5251636	5252632	Gmdrm	hypo	CHH	-0.0196
Gm02	5261653	5262648	Gmdrm	hypo	CHH	-0.0793
Gm02	5266995	5267994	Gmdrm	hypo	CHH	-0.0204
Gm02	5278325	5279313	Gmdrm	hypo	CHH	-0.0181
Gm02	5286507	5287500	Gmdrm	hypo	CHH	-0.0279
Gm02	5287516	5287792	Gmdrm	hypo	CHH	-0.0229
Gm02	5299601	5300595	Gmdrm	hypo	CHH	-0.0935
Gm02	5300611	5301611	Gmdrm	hypo	CHH	-0.0239
Gm02	5315162	5315902	Gmdrm	hypo	CHH	-0.0243
Gm02	5317492	5318491	Gmdrm	hypo	CHH	-0.0732
Gm02	5324583	5325570	Gmdrm	hypo	CHH	-0.061
Gm02	5325587	5326189	Gmdrm	hypo	CHH	-0.1889
Gm02	5326347	5327339	Gmdrm	hypo	CHH	-0.0814
Gm02	5328128	5329121	Gmdrm	hypo	CHH	-0.0385
Gm02	5348318	5349278	Gmdrm	hypo	CHH	-0.042
Gm02	5360456	5361449	Gmdrm	hypo	CHH	-0.065
Gm02	5361458	5362455	Gmdrm	hypo	CHH	-0.0727
Gm02	5371394	5372394	Gmdrm	hypo	CHH	-0.0505
Gm02	5372396	5373396	Gmdrm	hypo	CHH	-0.1523
Gm02	5374399	5375398	Gmdrm	hypo	CHH	-0.019

Gm02	5380632	5381627	Gmdrm	hypo	CHH	-0.0913
Gm02	5381637	5382635	Gmdrm	hypo	CHH	-0.052
Gm02	5382655	5383613	Gmdrm	hypo	CHH	-0.0403
Gm02	5391446	5391808	Gmdrm	hypo	CHH	-0.0233
Gm02	5394050	5395049	Gmdrm	hypo	CHH	-0.1074
Gm02	5395053	5396033	Gmdrm	hypo	CHH	-0.0223
Gm02	5414738	5415724	Gmdrm	hypo	CHH	-0.1225
Gm02	5415745	5416719	Gmdrm	hypo	CHH	-0.0417
Gm02	5417789	5418776	Gmdrm	hypo	CHH	-0.1313
Gm02	5424981	5425943	Gmdrm	hypo	CHH	-0.0636
Gm02	5426007	5427003	Gmdrm	hypo	CHH	-0.0571
Gm02	5427008	5428005	Gmdrm	hypo	CHH	-0.0535
Gm02	5443530	5444529	Gmdrm	hypo	CHH	-0.0935
Gm02	5476131	5477098	Gmdrm	hypo	CHH	-0.0272
Gm02	5490738	5491299	Gmdrm	hypo	CHH	-0.0788
Gm02	5506344	5507339	Gmdrm	hypo	CHH	-0.2885
Gm02	5507351	5508337	Gmdrm	hypo	CHH	-0.3442
Gm02	5509938	5510920	Gmdrm	hypo	CHH	-0.0189
Gm02	5513465	5514460	Gmdrm	hypo	CHH	-0.2621
Gm02	5516238	5516836	Gmdrm	hypo	CHH	-0.0475
Gm02	5518756	5519743	Gmdrm	hypo	CHH	-0.0187
Gm02	5526693	5527688	Gmdrm	hypo	CHH	-0.0118
Gm02	5530065	5531059	Gmdrm	hypo	CHH	-0.0186
Gm02	5538200	5539091	Gmdrm	hypo	CHH	-0.0246
Gm02	5541781	5541963	Gmdrm	hypo	CHH	-0.0483
Gm02	5543860	5544799	Gmdrm	hypo	CHH	-0.0251
Gm02	5561838	5562835	Gmdrm	hypo	CHH	-0.0201
Gm02	5568989	5569964	Gmdrm	hypo	CHH	-0.0205
Gm02	5572634	5573429	Gmdrm	hypo	CHH	-0.0542
Gm02	5576874	5577786	Gmdrm	hypo	CHH	-0.0131
Gm02	5583733	5584733	Gmdrm	hypo	CHH	-0.1252
Gm02	5584736	5585736	Gmdrm	hypo	CHH	-0.1418
Gm02	5590801	5591575	Gmdrm	hypo	CHH	-0.1751
Gm02	5605871	5606871	Gmdrm	hypo	CHH	-0.1123
Gm02	5612323	5613322	Gmdrm	hypo	CHH	-0.014
Gm02	5623093	5624089	Gmdrm	hypo	CHH	-0.069
Gm02	5624100	5624447	Gmdrm	hypo	CHH	-0.0581
Gm02	5629475	5630472	Gmdrm	hypo	CHH	-0.1481
Gm02	5630485	5631173	Gmdrm	hypo	CHH	-0.2322
Gm02	5632040	5632720	Gmdrm	hypo	CHH	-0.034
Gm02	5632862	5633824	Gmdrm	hypo	CHH	-0.0148
Gm02	5637196	5637322	Gmdrm	hypo	CHH	-0.062
Gm02	5646193	5646390	Gmdrm	hypo	CHH	-0.069
Gm02	5653788	5654779	Gmdrm	hypo	CHH	-0.1119
Gm02	5654803	5655761	Gmdrm	hypo	CHH	-0.0955
Gm02	5663255	5664242	Gmdrm	hypo	CHH	-0.0408

Gm02	5664261	5665259	Gmdrm	hypo	CHH	-0.0336
Gm02	5667718	5668705	Gmdrm	hypo	CHH	-0.035
Gm02	5676404	5677398	Gmdrm	hypo	CHH	-0.0224
Gm02	5680035	5681033	Gmdrm	hypo	CHH	-0.0144
Gm02	5684836	5685065	Gmdrm	hypo	CHH	-0.0276
Gm02	5685221	5685766	Gmdrm	hypo	CHH	-0.0181
Gm02	5685870	5686672	Gmdrm	hypo	CHH	-0.0181
Gm02	5692763	5693761	Gmdrm	hypo	CHH	-0.0285
Gm02	5697796	5698782	Gmdrm	hypo	CHH	-0.0168
Gm02	5709814	5710807	Gmdrm	hypo	CHH	-0.0122
Gm02	5721888	5722880	Gmdrm	hypo	CHH	-0.046
Gm02	5724010	5724122	Gmdrm	hypo	CHH	-0.11
Gm02	5727306	5728303	Gmdrm	hypo	CHH	-0.0199
Gm02	5729781	5730774	Gmdrm	hypo	CHH	-0.0974
Gm02	5730817	5730891	Gmdrm	hypo	CHH	-0.042
Gm02	5731010	5731992	Gmdrm	hypo	CHH	-0.014
Gm02	5733034	5734027	Gmdrm	hypo	CHH	-0.0163
Gm02	5740982	5741904	Gmdrm	hypo	CHH	-0.0131
Gm02	5742001	5742998	Gmdrm	hypo	CHH	-0.0102
Gm02	5743228	5744213	Gmdrm	hypo	CHH	-0.0154
Gm02	5749855	5750481	Gmdrm	hypo	CHH	-0.0338
Gm02	5757623	5758602	Gmdrm	hypo	CHH	-0.0226
Gm02	5761437	5762413	Gmdrm	hypo	CHH	-0.0319
Gm02	5769513	5770510	Gmdrm	hypo	CHH	-0.02
Gm02	5790694	5791250	Gmdrm	hypo	CHH	-0.0377
Gm02	5797353	5798107	Gmdrm	hypo	CHH	-0.1863
Gm02	5798833	5799801	Gmdrm	hypo	CHH	-0.0462
Gm02	5811637	5812626	Gmdrm	hypo	CHH	-0.0118
Gm02	5817336	5818327	Gmdrm	hypo	CHH	-0.0189
Gm02	5818357	5819356	Gmdrm	hypo	CHH	-0.0871
Gm02	5823575	5824564	Gmdrm	hypo	CHH	-0.0779
Gm02	5824576	5825524	Gmdrm	hypo	CHH	-0.018
Gm02	5828843	5829843	Gmdrm	hypo	CHH	-0.0234
Gm02	5829864	5830859	Gmdrm	hypo	CHH	-0.0767
Gm02	5830867	5831861	Gmdrm	hypo	CHH	-0.1892
Gm02	5831872	5832871	Gmdrm	hypo	CHH	-0.0714
Gm02	5834007	5835003	Gmdrm	hypo	CHH	-0.0245
Gm02	5835010	5836004	Gmdrm	hypo	CHH	-0.1168
Gm02	5837027	5838019	Gmdrm	hypo	CHH	-0.1412
Gm02	5846465	5847464	Gmdrm	hypo	CHH	-0.055
Gm02	5857618	5858603	Gmdrm	hypo	CHH	-0.0277
Gm02	5858623	5859620	Gmdrm	hypo	CHH	-0.1858
Gm02	5861750	5862741	Gmdrm	hypo	CHH	-0.0402
Gm02	5863450	5863701	Gmdrm	hypo	CHH	-0.118
Gm02	5865679	5866634	Gmdrm	hypo	CHH	-0.0272
Gm02	5885960	5886925	Gmdrm	hypo	CHH	-0.0145

Gm02	5899223	5900216 Gmdrm	hypo	CHH	-0.0218
Gm02	5908974	5909960 Gmdrm	hypo	CHH	-0.0975
Gm02	5916689	5917684 Gmdrm	hypo	CHH	-0.028
Gm02	5917690	5918688 Gmdrm	hypo	CHH	-0.0761
Gm02	5923308	5924308 Gmdrm	hypo	CHH	-0.0751
Gm02	5926335	5927331 Gmdrm	hypo	CHH	-0.017
Gm02	5940493	5941485 Gmdrm	hypo	CHH	-0.0208
Gm02	5959467	5960467 Gmdrm	hypo	CHH	-0.0193
Gm02	5960468	5961447 Gmdrm	hypo	CHH	-0.105
Gm02	5964314	5964763 Gmdrm	hypo	CHH	-0.0348
Gm02	5966103	5967103 Gmdrm	hypo	CHH	-0.0223
Gm02	5967111	5968104 Gmdrm	hypo	CHH	-0.0146
Gm02	5984250	5985243 Gmdrm	hypo	CHH	-0.1003
Gm02	5990865	5991857 Gmdrm	hypo	CHH	-0.0137
Gm02	5997192	5998180 Gmdrm	hypo	CHH	-0.0176
Gm02	5998200	5999197 Gmdrm	hypo	CHH	-0.0904
Gm02	6006989	6007988 Gmdrm	hypo	CHH	-0.0822
Gm02	6007992	6008990 Gmdrm	hypo	CHH	-0.1361
Gm02	6023406	6024405 Gmdrm	hypo	CHH	-0.017
Gm02	6028585	6029582 Gmdrm	hypo	CHH	-0.0195
Gm02	6036348	6037332 Gmdrm	hypo	CHH	-0.0154
Gm02	6043855	6044553 Gmdrm	hypo	CHH	-0.167
Gm02	6047156	6048146 Gmdrm	hypo	CHH	-0.0248
Gm02	6051259	6051594 Gmdrm	hypo	CHH	-0.0237
Gm02	6051711	6052696 Gmdrm	hypo	CHH	-0.0178
Gm02	6056732	6057357 Gmdrm	hypo	CHH	-0.0451
Gm02	6062919	6063231 Gmdrm	hypo	CHH	-0.0196
Gm02	6065566	6066153 Gmdrm	hypo	CHH	-0.0154
Gm02	6093327	6094323 Gmdrm	hypo	CHH	-0.014
Gm02	6095337	6096335 Gmdrm	hypo	CHH	-0.092
Gm02	6096361	6097346 Gmdrm	hypo	CHH	-0.063
Gm02	6114635	6114889 Gmdrm	hypo	CHH	-0.0327
Gm02	6118107	6119054 Gmdrm	hypo	CHH	-0.0235
Gm02	6121200	6121702 Gmdrm	hypo	CHH	-0.0174
Gm02	6128040	6128149 Gmdrm	hypo	CHH	-0.044
Gm02	6133474	6134474 Gmdrm	hypo	CHH	-0.0154
Gm02	6154086	6155085 Gmdrm	hypo	CHH	-0.0543
Gm02	6155095	6156089 Gmdrm	hypo	CHH	-0.0705
Gm02	6170423	6171143 Gmdrm	hypo	CHH	-0.0707
Gm02	6187763	6188250 Gmdrm	hypo	CHH	-0.0384
Gm02	6193011	6194011 Gmdrm	hypo	CHH	-0.1676
Gm02	6210556	6211544 Gmdrm	hypo	CHH	-0.0406
Gm02	6211592	6212582 Gmdrm	hypo	CHH	-0.0458
Gm02	6221438	6221670 Gmdrm	hypo	CHH	-0.2003
Gm02	6227547	6228033 Gmdrm	hypo	CHH	-0.1917
Gm02	6235040	6235800 Gmdrm	hypo	CHH	-0.0215

Gm02	6236566	6237558 Gmdrm	hypo	CHH	-0.0206
Gm02	6241973	6242953 Gmdrm	hypo	CHH	-0.0115
Gm02	6260052	6261050 Gmdrm	hypo	CHH	-0.0767
Gm02	6262072	6263005 Gmdrm	hypo	CHH	-0.0673
Gm02	6271797	6271950 Gmdrm	hypo	CHH	-0.1382
Gm02	6274171	6275167 Gmdrm	hypo	CHH	-0.2315
Gm02	6293725	6294709 Gmdrm	hypo	CHH	-0.0232
Gm02	6294734	6295025 Gmdrm	hypo	CHH	-0.0331
Gm02	6320144	6321097 Gmdrm	hypo	CHH	-0.015
Gm02	6331101	6332100 Gmdrm	hypo	CHH	-0.02
Gm02	6332110	6333078 Gmdrm	hypo	CHH	-0.0559
Gm02	6340665	6341121 Gmdrm	hypo	CHH	-0.066
Gm02	6341297	6341749 Gmdrm	hypo	CHH	-0.04
Gm02	6341884	6342874 Gmdrm	hypo	CHH	-0.078
Gm02	6342886	6343876 Gmdrm	hypo	CHH	-0.0611
Gm02	6343908	6343927 Gmdrm	hypo	CHH	-0.1283
Gm02	6354168	6354714 Gmdrm	hypo	CHH	-0.096
Gm02	6356379	6357370 Gmdrm	hypo	CHH	-0.0317
Gm02	6360836	6361836 Gmdrm	hypo	CHH	-0.0154
Gm02	6361839	6362835 Gmdrm	hypo	CHH	-0.1224
Gm02	6362851	6363825 Gmdrm	hypo	CHH	-0.1633
Gm02	6370759	6371753 Gmdrm	hypo	CHH	-0.014
Gm02	6373111	6374110 Gmdrm	hypo	CHH	-0.0375
Gm02	6379192	6380180 Gmdrm	hypo	CHH	-0.0146
Gm02	6390674	6391208 Gmdrm	hypo	CHH	-0.04
Gm02	6402015	6403007 Gmdrm	hypo	CHH	-0.0891
Gm02	6403027	6403827 Gmdrm	hypo	CHH	-0.0766
Gm02	6403928	6404916 Gmdrm	hypo	CHH	-0.0674
Gm02	6410047	6411047 Gmdrm	hypo	CHH	-0.406
Gm02	6411050	6412038 Gmdrm	hypo	CHH	-0.2831
Gm02	6415479	6416474 Gmdrm	hypo	CHH	-0.01
Gm02	6417484	6418125 Gmdrm	hypo	CHH	-0.0432
Gm02	6433036	6434033 Gmdrm	hypo	CHH	-0.0124
Gm02	6452060	6453043 Gmdrm	hypo	CHH	-0.0249
Gm02	6461213	6462212 Gmdrm	hypo	CHH	-0.0866
Gm02	6462226	6463172 Gmdrm	hypo	CHH	-0.054
Gm02	6463292	6464288 Gmdrm	hypo	CHH	-0.0759
Gm02	6464336	6465333 Gmdrm	hypo	CHH	-0.033
Gm02	6465343	6466331 Gmdrm	hypo	CHH	-0.0677
Gm02	6466354	6466715 Gmdrm	hypo	CHH	-0.0161
Gm02	6468460	6469452 Gmdrm	hypo	CHH	-0.0117
Gm02	6474662	6475648 Gmdrm	hypo	CHH	-0.2583
Gm02	6477718	6478715 Gmdrm	hypo	CHH	-0.023
Gm02	6482303	6483272 Gmdrm	hypo	CHH	-0.0181
Gm02	6500282	6501266 Gmdrm	hypo	CHH	-0.02
Gm02	6503317	6504312 Gmdrm	hypo	CHH	-0.0187

Gm02	6515892	6516885 Gmdrm	hypo	CHH	-0.0234
Gm02	6537631	6538312 Gmdrm	hypo	CHH	-0.077
Gm02	6541227	6542212 Gmdrm	hypo	CHH	-0.0156
Gm02	6546124	6546995 Gmdrm	hypo	CHH	-0.0184
Gm02	6548544	6549544 Gmdrm	hypo	CHH	-0.031
Gm02	6549706	6550688 Gmdrm	hypo	CHH	-0.0142
Gm02	6550721	6551667 Gmdrm	hypo	CHH	-0.013
Gm02	6552961	6553910 Gmdrm	hypo	CHH	-0.0304
Gm02	6573037	6573847 Gmdrm	hypo	CHH	-0.0235
Gm02	6590986	6591981 Gmdrm	hypo	CHH	-0.0372
Gm02	6591992	6592206 Gmdrm	hypo	CHH	-0.0705
Gm02	6592424	6593332 Gmdrm	hypo	CHH	-0.0296
Gm02	6593490	6594490 Gmdrm	hypo	CHH	-0.0163
Gm02	6594493	6595436 Gmdrm	hypo	CHH	-0.0677
Gm02	6601630	6602626 Gmdrm	hypo	CHH	-0.1119
Gm02	6602645	6603633 Gmdrm	hypo	CHH	-0.0873
Gm02	6607762	6608757 Gmdrm	hypo	CHH	-0.0172
Gm02	6614190	6615165 Gmdrm	hypo	CHH	-0.0737
Gm02	6615219	6616190 Gmdrm	hypo	CHH	-0.0171
Gm02	6624198	6625002 Gmdrm	hypo	CHH	-0.05
Gm02	6630062	6631028 Gmdrm	hypo	CHH	-0.0239
Gm02	6638623	6639620 Gmdrm	hypo	CHH	-0.0163
Gm02	6642935	6643931 Gmdrm	hypo	CHH	-0.013
Gm02	6645839	6646816 Gmdrm	hypo	CHH	-0.0183
Gm02	6648881	6649871 Gmdrm	hypo	CHH	-0.0206
Gm02	6654478	6655448 Gmdrm	hypo	CHH	-0.0272
Gm02	6655493	6656457 Gmdrm	hypo	CHH	-0.0489
Gm02	6656504	6657497 Gmdrm	hypo	CHH	-0.0504
Gm02	6661826	6662437 Gmdrm	hypo	CHH	-0.0364
Gm02	6670474	6671039 Gmdrm	hypo	CHH	-0.0176
Gm02	6677606	6678239 Gmdrm	hypo	CHH	-0.053
Gm02	6679381	6680378 Gmdrm	hypo	CHH	-0.0147
Gm02	6686731	6687730 Gmdrm	hypo	CHH	-0.0148
Gm02	6687741	6688642 Gmdrm	hypo	CHH	-0.0237
Gm02	6688786	6689766 Gmdrm	hypo	CHH	-0.0172
Gm02	6693304	6694294 Gmdrm	hypo	CHH	-0.0514
Gm02	6694311	6695148 Gmdrm	hypo	CHH	-0.0482
Gm02	6696465	6697458 Gmdrm	hypo	CHH	-0.033
Gm02	6709065	6710047 Gmdrm	hypo	CHH	-0.1043
Gm02	6717141	6718133 Gmdrm	hypo	CHH	-0.0156
Gm02	6720676	6721661 Gmdrm	hypo	CHH	-0.04
Gm02	6723019	6723994 Gmdrm	hypo	CHH	-0.0438
Gm02	6730030	6731026 Gmdrm	hypo	CHH	-0.0553
Gm02	6731040	6731303 Gmdrm	hypo	CHH	-0.07
Gm02	6737642	6738640 Gmdrm	hypo	CHH	-0.0542
Gm02	6738644	6738941 Gmdrm	hypo	CHH	-0.079

Gm02	6751381	6752363	Gmdrm	hypo	CHH	-0.0125
Gm02	6752403	6753392	Gmdrm	hypo	CHH	-0.0779
Gm02	6758034	6759023	Gmdrm	hypo	CHH	-0.0228
Gm02	6760719	6761702	Gmdrm	hypo	CHH	-0.0185
Gm02	6767359	6768065	Gmdrm	hypo	CHH	-0.0187
Gm02	6785011	6786010	Gmdrm	hypo	CHH	-0.0137
Gm02	6802209	6803209	Gmdrm	hypo	CHH	-0.0182
Gm02	6803226	6803699	Gmdrm	hypo	CHH	-0.0341
Gm02	6831586	6832538	Gmdrm	hypo	CHH	-0.0109
Gm02	6833596	6834007	Gmdrm	hypo	CHH	-0.0213
Gm02	6836970	6837969	Gmdrm	hypo	CHH	-0.0142
Gm02	6849022	6850013	Gmdrm	hypo	CHH	-0.1608
Gm02	6853192	6854182	Gmdrm	hypo	CHH	-0.062
Gm02	6860149	6860551	Gmdrm	hypo	CHH	-0.034
Gm02	6864248	6865246	Gmdrm	hypo	CHH	-0.3091
Gm02	6865251	6865472	Gmdrm	hypo	CHH	-0.1494
Gm02	6867501	6868491	Gmdrm	hypo	CHH	-0.0246
Gm02	6868502	6869501	Gmdrm	hypo	CHH	-0.0171
Gm02	6879810	6879926	Gmdrm	hypo	CHH	-0.056
Gm02	6882067	6883064	Gmdrm	hypo	CHH	-0.0931
Gm02	6892156	6893155	Gmdrm	hypo	CHH	-0.1284
Gm02	6894208	6895199	Gmdrm	hypo	CHH	-0.0495
Gm02	6910724	6911696	Gmdrm	hypo	CHH	-0.0121
Gm02	6912736	6913734	Gmdrm	hypo	CHH	-0.025
Gm02	6915776	6916756	Gmdrm	hypo	CHH	-0.0336
Gm02	6925027	6926026	Gmdrm	hypo	CHH	-0.1965
Gm02	6926029	6927002	Gmdrm	hypo	CHH	-0.1048
Gm02	6934678	6935646	Gmdrm	hypo	CHH	-0.0849
Gm02	6941364	6942357	Gmdrm	hypo	CHH	-0.0148
Gm02	6955409	6956384	Gmdrm	hypo	CHH	-0.1149
Gm02	6956411	6957373	Gmdrm	hypo	CHH	-0.0464
Gm02	6958941	6959797	Gmdrm	hypo	CHH	-0.0205
Gm02	6973217	6973404	Gmdrm	hypo	CHH	-0.017
Gm02	6980187	6980984	Gmdrm	hypo	CHH	-0.114
Gm02	6981171	6981280	Gmdrm	hypo	CHH	-0.064
Gm02	6981621	6982614	Gmdrm	hypo	CHH	-0.0919
Gm02	6985624	6986599	Gmdrm	hypo	CHH	-0.0276
Gm02	6987640	6988639	Gmdrm	hypo	CHH	-0.0135
Gm02	6998564	6998967	Gmdrm	hypo	CHH	-0.0198
Gm02	7002911	7003906	Gmdrm	hypo	CHH	-0.069
Gm02	7036914	7037911	Gmdrm	hypo	CHH	-0.0284
Gm02	7037915	7038911	Gmdrm	hypo	CHH	-0.1469
Gm02	7075237	7076236	Gmdrm	hypo	CHH	-0.0169
Gm02	7084995	7085945	Gmdrm	hypo	CHH	-0.3851
Gm02	7087228	7087816	Gmdrm	hypo	CHH	-0.1155
Gm02	7098154	7099152	Gmdrm	hypo	CHH	-0.044

Gm02	7106767	7107464 Gmdrm	hypo	CHH	-0.0204
Gm02	7108619	7109613 Gmdrm	hypo	CHH	-0.1093
Gm02	7109625	7110607 Gmdrm	hypo	CHH	-0.2169
Gm02	7112694	7112850 Gmdrm	hypo	CHH	-0.0854
Gm02	7138996	7139967 Gmdrm	hypo	CHH	-0.0409
Gm02	7156057	7157007 Gmdrm	hypo	CHH	-0.0213
Gm02	7165632	7166631 Gmdrm	hypo	CHH	-0.0684
Gm02	7166639	7167636 Gmdrm	hypo	CHH	-0.0338
Gm02	7170679	7171677 Gmdrm	hypo	CHH	-0.0467
Gm02	7171680	7172373 Gmdrm	hypo	CHH	-0.1727
Gm02	7172518	7172925 Gmdrm	hypo	CHH	-0.0338
Gm02	7178406	7179404 Gmdrm	hypo	CHH	-0.0387
Gm02	7181843	7182832 Gmdrm	hypo	CHH	-0.0817
Gm02	7183220	7184212 Gmdrm	hypo	CHH	-0.0254
Gm02	7195718	7196708 Gmdrm	hypo	CHH	-0.0161
Gm02	7202645	7203520 Gmdrm	hypo	CHH	-0.0308
Gm02	7203657	7204638 Gmdrm	hypo	CHH	-0.0417
Gm02	7205134	7206134 Gmdrm	hypo	CHH	-0.0316
Gm02	7211491	7212478 Gmdrm	hypo	CHH	-0.1042
Gm02	7217971	7218971 Gmdrm	hypo	CHH	-0.0454
Gm02	7218973	7219972 Gmdrm	hypo	CHH	-0.0595
Gm02	7219976	7220950 Gmdrm	hypo	CHH	-0.0796
Gm02	7258980	7259965 Gmdrm	hypo	CHH	-0.0534
Gm02	7259988	7260979 Gmdrm	hypo	CHH	-0.1255
Gm02	7264166	7265164 Gmdrm	hypo	CHH	-0.0431
Gm02	7266179	7267068 Gmdrm	hypo	CHH	-0.0681
Gm02	7275493	7276012 Gmdrm	hypo	CHH	-0.0513
Gm02	7276221	7277204 Gmdrm	hypo	CHH	-0.0202
Gm02	7280527	7281519 Gmdrm	hypo	CHH	-0.0137
Gm02	7296335	7297330 Gmdrm	hypo	CHH	-0.0306
Gm02	7297384	7298384 Gmdrm	hypo	CHH	-0.0828
Gm02	7301394	7302393 Gmdrm	hypo	CHH	-0.0529
Gm02	7305293	7306287 Gmdrm	hypo	CHH	-0.0236
Gm02	7306295	7307145 Gmdrm	hypo	CHH	-0.1061
Gm02	7308042	7309019 Gmdrm	hypo	CHH	-0.0297
Gm02	7313209	7313718 Gmdrm	hypo	CHH	-0.0147
Gm02	7315179	7316177 Gmdrm	hypo	CHH	-0.0179
Gm02	7316188	7316669 Gmdrm	hypo	CHH	-0.0454
Gm02	7316831	7317715 Gmdrm	hypo	CHH	-0.0232
Gm02	7319242	7320226 Gmdrm	hypo	CHH	-0.0129
Gm02	7321251	7322247 Gmdrm	hypo	CHH	-0.1215
Gm02	7322257	7323253 Gmdrm	hypo	CHH	-0.0422
Gm02	7324435	7324954 Gmdrm	hypo	CHH	-0.0409
Gm02	7330436	7331432 Gmdrm	hypo	CHH	-0.0467
Gm02	7331437	7332434 Gmdrm	hypo	CHH	-0.0224
Gm02	7339509	7340494 Gmdrm	hypo	CHH	-0.0238

Gm02	7340523	7341504 Gmdrm	hypo	CHH	-0.0428
Gm02	7344843	7345840 Gmdrm	hypo	CHH	-0.0241
Gm02	7347562	7347961 Gmdrm	hypo	CHH	-0.0615
Gm02	7357613	7358329 Gmdrm	hypo	CHH	-0.0434
Gm02	7367127	7368126 Gmdrm	hypo	CHH	-0.0157
Gm02	7370347	7371330 Gmdrm	hypo	CHH	-0.2036
Gm02	7376710	7377710 Gmdrm	hypo	CHH	-0.0218
Gm02	7381826	7382317 Gmdrm	hypo	CHH	-0.2694
Gm02	7382445	7382849 Gmdrm	hypo	CHH	-0.1777
Gm02	7398626	7399621 Gmdrm	hypo	CHH	-0.0617
Gm02	7401650	7402334 Gmdrm	hypo	CHH	-0.0359
Gm02	7421309	7422272 Gmdrm	hypo	CHH	-0.0395
Gm02	7423355	7424329 Gmdrm	hypo	CHH	-0.0178
Gm02	7441772	7442764 Gmdrm	hypo	CHH	-0.0175
Gm02	7445430	7446404 Gmdrm	hypo	CHH	-0.0172
Gm02	7450784	7451782 Gmdrm	hypo	CHH	-0.1348
Gm02	7451786	7452786 Gmdrm	hypo	CHH	-0.027
Gm02	7463302	7464004 Gmdrm	hypo	CHH	-0.0446
Gm02	7469210	7470200 Gmdrm	hypo	CHH	-0.0148
Gm02	7470528	7471524 Gmdrm	hypo	CHH	-0.0256
Gm02	7477552	7478528 Gmdrm	hypo	CHH	-0.0366
Gm02	7479560	7480140 Gmdrm	hypo	CHH	-0.0149
Gm02	7494633	7495342 Gmdrm	hypo	CHH	-0.0119
Gm02	7499564	7500357 Gmdrm	hypo	CHH	-0.0273
Gm02	7500511	7501495 Gmdrm	hypo	CHH	-0.0814
Gm02	7501512	7502498 Gmdrm	hypo	CHH	-0.0293
Gm02	7502516	7502942 Gmdrm	hypo	CHH	-0.162
Gm02	7504016	7505015 Gmdrm	hypo	CHH	-0.0211
Gm02	7507070	7508055 Gmdrm	hypo	CHH	-0.021
Gm02	7526678	7527676 Gmdrm	hypo	CHH	-0.1333
Gm02	7527692	7528686 Gmdrm	hypo	CHH	-0.1934
Gm02	7540340	7541327 Gmdrm	hypo	CHH	-0.0126
Gm02	7581419	7582417 Gmdrm	hypo	CHH	-0.3439
Gm02	7585431	7586083 Gmdrm	hypo	CHH	-0.0993
Gm02	7586358	7587349 Gmdrm	hypo	CHH	-0.0814
Gm02	7587364	7587627 Gmdrm	hypo	CHH	-0.0555
Gm02	7614517	7615515 Gmdrm	hypo	CHH	-0.0225
Gm02	7619786	7620786 Gmdrm	hypo	CHH	-0.1167
Gm02	7635940	7636939 Gmdrm	hypo	CHH	-0.0348
Gm02	7636943	7637942 Gmdrm	hypo	CHH	-0.0535
Gm02	7637950	7638922 Gmdrm	hypo	CHH	-0.0659
Gm02	7639954	7640950 Gmdrm	hypo	CHH	-0.0197
Gm02	7640976	7641816 Gmdrm	hypo	CHH	-0.0196
Gm02	7646728	7647723 Gmdrm	hypo	CHH	-0.0556
Gm02	7647730	7648725 Gmdrm	hypo	CHH	-0.0525
Gm02	7689680	7690675 Gmdrm	hypo	CHH	-0.0828

Gm02	7690682	7691680 Gmdrm	hypo	CHH	-0.0985
Gm02	7691689	7692685 Gmdrm	hypo	CHH	-0.0791
Gm02	7692692	7693149 Gmdrm	hypo	CHH	-0.0216
Gm02	7697795	7698351 Gmdrm	hypo	CHH	-0.028
Gm02	7711701	7712699 Gmdrm	hypo	CHH	-0.0543
Gm02	7712707	7713693 Gmdrm	hypo	CHH	-0.0848
Gm02	7714769	7715757 Gmdrm	hypo	CHH	-0.0224
Gm02	7715771	7716743 Gmdrm	hypo	CHH	-0.0312
Gm02	7716809	7717776 Gmdrm	hypo	CHH	-0.0212
Gm02	7717814	7718807 Gmdrm	hypo	CHH	-0.0207
Gm02	7746087	7747086 Gmdrm	hypo	CHH	-0.103
Gm02	7749128	7750128 Gmdrm	hypo	CHH	-0.0619
Gm02	7765411	7766409 Gmdrm	hypo	CHH	-0.0209
Gm02	7766473	7767456 Gmdrm	hypo	CHH	-0.0946
Gm02	7770120	7771119 Gmdrm	hypo	CHH	-0.0157
Gm02	7777051	7777347 Gmdrm	hypo	CHH	-0.1003
Gm02	7781486	7782486 Gmdrm	hypo	CHH	-0.1402
Gm02	7784487	7785474 Gmdrm	hypo	CHH	-0.0869
Gm02	7785500	7786490 Gmdrm	hypo	CHH	-0.0114
Gm02	7786517	7787495 Gmdrm	hypo	CHH	-0.0772
Gm02	7787525	7788524 Gmdrm	hypo	CHH	-0.1199
Gm02	7808714	7809711 Gmdrm	hypo	CHH	-0.0181
Gm02	7810958	7811936 Gmdrm	hypo	CHH	-0.0217
Gm02	7815420	7816416 Gmdrm	hypo	CHH	-0.0141
Gm02	7820969	7821968 Gmdrm	hypo	CHH	-0.034
Gm02	7831543	7831596 Gmdrm	hypo	CHH	-0.266
Gm02	7832994	7833801 Gmdrm	hypo	CHH	-0.0683
Gm02	7843008	7844008 Gmdrm	hypo	CHH	-0.1282
Gm02	7844011	7845009 Gmdrm	hypo	CHH	-0.0539
Gm02	7865653	7866270 Gmdrm	hypo	CHH	-0.1543
Gm02	7866498	7866528 Gmdrm	hypo	CHH	-0.32
Gm02	7877761	7878744 Gmdrm	hypo	CHH	-0.0151
Gm02	7887947	7888946 Gmdrm	hypo	CHH	-0.0874
Gm02	7888948	7889922 Gmdrm	hypo	CHH	-0.0692
Gm02	7891351	7892344 Gmdrm	hypo	CHH	-0.0318
Gm02	7934786	7935782 Gmdrm	hypo	CHH	-0.0613
Gm02	7936800	7936946 Gmdrm	hypo	CHH	-0.0307
Gm02	7938097	7938259 Gmdrm	hypo	CHH	-0.0483
Gm02	7944235	7944621 Gmdrm	hypo	CHH	-0.1183
Gm02	7953953	7954927 Gmdrm	hypo	CHH	-0.0735
Gm02	7968344	7969273 Gmdrm	hypo	CHH	-0.0255
Gm02	7969478	7969600 Gmdrm	hypo	CHH	-0.062
Gm02	7972852	7973824 Gmdrm	hypo	CHH	-0.0251
Gm02	7976843	7976916 Gmdrm	hypo	CHH	-0.0771
Gm02	7977570	7978532 Gmdrm	hypo	CHH	-0.035
Gm02	7979812	7980810 Gmdrm	hypo	CHH	-0.03

Gm02	7985393	7986392	Gmdrm	hypo	CHH	-0.0206
Gm02	7999989	8000953	Gmdrm	hypo	CHH	-0.0441
Gm02	8001997	8002993	Gmdrm	hypo	CHH	-0.0204
Gm02	8002999	8003954	Gmdrm	hypo	CHH	-0.0657
Gm02	8005021	8005447	Gmdrm	hypo	CHH	-0.0262
Gm02	8007553	8008531	Gmdrm	hypo	CHH	-0.0286
Gm02	8008606	8009590	Gmdrm	hypo	CHH	-0.0164
Gm02	8046097	8047088	Gmdrm	hypo	CHH	-0.0261
Gm02	8072074	8073054	Gmdrm	hypo	CHH	-0.014
Gm02	8073086	8073393	Gmdrm	hypo	CHH	-0.2464
Gm02	8073839	8074834	Gmdrm	hypo	CHH	-0.024
Gm02	8087827	8088751	Gmdrm	hypo	CHH	-0.2225
Gm02	8088866	8089716	Gmdrm	hypo	CHH	-0.1573
Gm02	8089883	8090850	Gmdrm	hypo	CHH	-0.0986
Gm02	8097003	8097998	Gmdrm	hypo	CHH	-0.0373
Gm02	8098012	8098946	Gmdrm	hypo	CHH	-0.0719
Gm02	8101074	8102057	Gmdrm	hypo	CHH	-0.0147
Gm02	8113918	8114907	Gmdrm	hypo	CHH	-0.0889
Gm02	8127174	8128163	Gmdrm	hypo	CHH	-0.0325
Gm02	8146899	8147168	Gmdrm	hypo	CHH	-0.046
Gm02	8147319	8148319	Gmdrm	hypo	CHH	-0.0782
Gm02	8157731	8158728	Gmdrm	hypo	CHH	-0.0719
Gm02	8158733	8159733	Gmdrm	hypo	CHH	-0.0139
Gm02	8160967	8161964	Gmdrm	hypo	CHH	-0.0758
Gm02	8166029	8167027	Gmdrm	hypo	CHH	-0.043
Gm02	8168050	8169047	Gmdrm	hypo	CHH	-0.0153
Gm02	8170008	8170277	Gmdrm	hypo	CHH	-0.0434
Gm02	8173314	8174311	Gmdrm	hypo	CHH	-0.0299
Gm02	8174331	8175279	Gmdrm	hypo	CHH	-0.0315
Gm02	8225459	8225886	Gmdrm	hypo	CHH	-0.1168
Gm02	8227016	8228014	Gmdrm	hypo	CHH	-0.3366
Gm02	8228018	8229015	Gmdrm	hypo	CHH	-0.1073
Gm02	8230034	8230609	Gmdrm	hypo	CHH	-0.0397
Gm02	8230923	8231923	Gmdrm	hypo	CHH	-0.1201
Gm02	8246869	8247862	Gmdrm	hypo	CHH	-0.0162
Gm02	8249403	8250398	Gmdrm	hypo	CHH	-0.1803
Gm02	8250406	8251405	Gmdrm	hypo	CHH	-0.0865
Gm02	8261380	8262336	Gmdrm	hypo	CHH	-0.1153
Gm02	8266663	8267653	Gmdrm	hypo	CHH	-0.0268
Gm02	8269728	8270531	Gmdrm	hypo	CHH	-0.0223
Gm02	8286564	8287564	Gmdrm	hypo	CHH	-0.1374
Gm02	8287567	8288562	Gmdrm	hypo	CHH	-0.036
Gm02	8298858	8299855	Gmdrm	hypo	CHH	-0.0226
Gm02	8301907	8302329	Gmdrm	hypo	CHH	-0.0263
Gm02	8308531	8309466	Gmdrm	hypo	CHH	-0.0847
Gm02	8325546	8326534	Gmdrm	hypo	CHH	-0.0363

Gm02	8352545	8353535	Gmdrm	hypo	CHH	-0.0718
Gm02	8353547	8354520	Gmdrm	hypo	CHH	-0.0323
Gm02	8357718	8358718	Gmdrm	hypo	CHH	-0.0936
Gm02	8361031	8361788	Gmdrm	hypo	CHH	-0.0233
Gm02	8364598	8365589	Gmdrm	hypo	CHH	-0.0172
Gm02	8375163	8376163	Gmdrm	hypo	CHH	-0.0639
Gm02	8399233	8400226	Gmdrm	hypo	CHH	-0.0631
Gm02	8400234	8401211	Gmdrm	hypo	CHH	-0.0674
Gm02	8403039	8404037	Gmdrm	hypo	CHH	-0.2383
Gm02	8404040	8405034	Gmdrm	hypo	CHH	-0.0202
Gm02	8405946	8406917	Gmdrm	hypo	CHH	-0.0547
Gm02	8413676	8414631	Gmdrm	hypo	CHH	-0.0701
Gm02	8423799	8424584	Gmdrm	hypo	CHH	-0.0287
Gm02	8425240	8426226	Gmdrm	hypo	CHH	-0.0401
Gm02	8433048	8434041	Gmdrm	hypo	CHH	-0.2163
Gm02	8434059	8435045	Gmdrm	hypo	CHH	-0.031
Gm02	8436158	8437144	Gmdrm	hypo	CHH	-0.0819
Gm02	8437170	8438158	Gmdrm	hypo	CHH	-0.028
Gm02	8438188	8439182	Gmdrm	hypo	CHH	-0.0322
Gm02	8442161	8443159	Gmdrm	hypo	CHH	-0.0788
Gm02	8466492	8467061	Gmdrm	hypo	CHH	-0.026
Gm02	8469056	8470007	Gmdrm	hypo	CHH	-0.0729
Gm02	8472777	8473768	Gmdrm	hypo	CHH	-0.0447
Gm02	8481283	8482282	Gmdrm	hypo	CHH	-0.1039
Gm02	8482294	8482919	Gmdrm	hypo	CHH	-0.0124
Gm02	8484959	8485959	Gmdrm	hypo	CHH	-0.0284
Gm02	8485962	8486272	Gmdrm	hypo	CHH	-0.0661
Gm02	8488880	8489853	Gmdrm	hypo	CHH	-0.0109
Gm02	8501069	8502028	Gmdrm	hypo	CHH	-0.0339
Gm02	8504983	8505982	Gmdrm	hypo	CHH	-0.015
Gm02	8507073	8508061	Gmdrm	hypo	CHH	-0.0216
Gm02	8508075	8508997	Gmdrm	hypo	CHH	-0.0485
Gm02	8523235	8524235	Gmdrm	hypo	CHH	-0.0674
Gm02	8542345	8543335	Gmdrm	hypo	CHH	-0.0607
Gm02	8543352	8544351	Gmdrm	hypo	CHH	-0.1312
Gm02	8544355	8545344	Gmdrm	hypo	CHH	-0.0788
Gm02	8560362	8561263	Gmdrm	hypo	CHH	-0.0774
Gm02	8561398	8562397	Gmdrm	hypo	CHH	-0.0361
Gm02	8578678	8579635	Gmdrm	hypo	CHH	-0.0637
Gm02	8604038	8605037	Gmdrm	hypo	CHH	-0.0476
Gm02	8618980	8619232	Gmdrm	hypo	CHH	-0.1629
Gm02	8621626	8622470	Gmdrm	hypo	CHH	-0.0187
Gm02	8626016	8627010	Gmdrm	hypo	CHH	-0.1805
Gm02	8627022	8628022	Gmdrm	hypo	CHH	-0.0626
Gm02	8635984	8636959	Gmdrm	hypo	CHH	-0.0293
Gm02	8644462	8645412	Gmdrm	hypo	CHH	-0.1459

Gm02	8652529	8653517 Gmdrm	hypo	CHH	-0.0268
Gm02	8656144	8657135 Gmdrm	hypo	CHH	-0.0505
Gm02	8666155	8667095 Gmdrm	hypo	CHH	-0.0565
Gm02	8671428	8672422 Gmdrm	hypo	CHH	-0.0251
Gm02	8672430	8673427 Gmdrm	hypo	CHH	-0.2586
Gm02	8682025	8683025 Gmdrm	hypo	CHH	-0.0431
Gm02	8683031	8683796 Gmdrm	hypo	CHH	-0.0496
Gm02	8683952	8684944 Gmdrm	hypo	CHH	-0.0985
Gm02	8686735	8687729 Gmdrm	hypo	CHH	-0.042
Gm02	8687736	8688709 Gmdrm	hypo	CHH	-0.0629
Gm02	8707666	8708663 Gmdrm	hypo	CHH	-0.0112
Gm02	8711243	8712243 Gmdrm	hypo	CHH	-0.203
Gm02	8712245	8713240 Gmdrm	hypo	CHH	-0.1241
Gm02	8722336	8723328 Gmdrm	hypo	CHH	-0.0415
Gm02	8723341	8724339 Gmdrm	hypo	CHH	-0.0274
Gm02	8724342	8725052 Gmdrm	hypo	CHH	-0.451
Gm02	8733004	8733987 Gmdrm	hypo	CHH	-0.0218
Gm02	8737767	8738767 Gmdrm	hypo	CHH	-0.0758
Gm02	8744925	8745922 Gmdrm	hypo	CHH	-0.0221
Gm02	8745928	8746913 Gmdrm	hypo	CHH	-0.0357
Gm02	8746944	8747885 Gmdrm	hypo	CHH	-0.0667
Gm02	8752024	8753005 Gmdrm	hypo	CHH	-0.0636
Gm02	8753025	8753906 Gmdrm	hypo	CHH	-0.1144
Gm02	8760348	8761329 Gmdrm	hypo	CHH	-0.0262
Gm02	8774741	8775707 Gmdrm	hypo	CHH	-0.0539
Gm02	8775764	8776549 Gmdrm	hypo	CHH	-0.074
Gm02	8777156	8778154 Gmdrm	hypo	CHH	-0.22
Gm02	8778167	8778803 Gmdrm	hypo	CHH	-0.0185
Gm02	8781011	8782005 Gmdrm	hypo	CHH	-0.0567
Gm02	8791612	8792577 Gmdrm	hypo	CHH	-0.0445
Gm02	8792623	8793486 Gmdrm	hypo	CHH	-0.0487
Gm02	8816019	8816048 Gmdrm	hypo	CHH	-0.092
Gm02	8821935	8822930 Gmdrm	hypo	CHH	-0.0485
Gm02	8824300	8825281 Gmdrm	hypo	CHH	-0.0839
Gm02	8825322	8826319 Gmdrm	hypo	CHH	-0.0521
Gm02	8833069	8834069 Gmdrm	hypo	CHH	-0.2739
Gm02	8836113	8837090 Gmdrm	hypo	CHH	-0.0908
Gm02	8838518	8839326 Gmdrm	hypo	CHH	-0.0338
Gm02	8841495	8842481 Gmdrm	hypo	CHH	-0.0678
Gm02	8851522	8852044 Gmdrm	hypo	CHH	-0.1646
Gm02	8852173	8853172 Gmdrm	hypo	CHH	-0.0626
Gm02	8853175	8854157 Gmdrm	hypo	CHH	-0.0545
Gm02	8855333	8856330 Gmdrm	hypo	CHH	-0.0807
Gm02	8856340	8857334 Gmdrm	hypo	CHH	-0.0849
Gm02	8858168	8859167 Gmdrm	hypo	CHH	-0.0237
Gm02	8860208	8861174 Gmdrm	hypo	CHH	-0.0133

Gm02	8877982	8878981 Gmdrm	hypo	CHH	-0.1156
Gm02	8878983	8879398 Gmdrm	hypo	CHH	-0.4326
Gm02	8893467	8894451 Gmdrm	hypo	CHH	-0.0319
Gm02	8898054	8898704 Gmdrm	hypo	CHH	-0.0385
Gm02	8900356	8901356 Gmdrm	hypo	CHH	-0.1409
Gm02	8901363	8902281 Gmdrm	hypo	CHH	-0.1461
Gm02	8928921	8929921 Gmdrm	hypo	CHH	-0.0337
Gm02	8930176	8931168 Gmdrm	hypo	CHH	-0.1642
Gm02	8932342	8933335 Gmdrm	hypo	CHH	-0.0201
Gm02	8938506	8938762 Gmdrm	hypo	CHH	-0.0711
Gm02	8944237	8945233 Gmdrm	hypo	CHH	-0.0572
Gm02	8945240	8945732 Gmdrm	hypo	CHH	-0.0727
Gm02	8957235	8958146 Gmdrm	hypo	CHH	-0.0833
Gm02	8958322	8959318 Gmdrm	hypo	CHH	-0.0548
Gm02	8973576	8974221 Gmdrm	hypo	CHH	-0.0395
Gm02	8995465	8995655 Gmdrm	hypo	CHH	-0.044
Gm02	8997999	8998661 Gmdrm	hypo	CHH	-0.0373
Gm02	8998773	8999749 Gmdrm	hypo	CHH	-0.0598
Gm02	8999774	9000768 Gmdrm	hypo	CHH	-0.0217
Gm02	9004796	9005772 Gmdrm	hypo	CHH	-0.0207
Gm02	9007610	9007782 Gmdrm	hypo	CHH	-0.0638
Gm02	9009980	9010940 Gmdrm	hypo	CHH	-0.0684
Gm02	9016565	9016759 Gmdrm	hypo	CHH	-0.033
Gm02	9018462	9019457 Gmdrm	hypo	CHH	-0.1861
Gm02	9019464	9020451 Gmdrm	hypo	CHH	-0.0919
Gm02	9056357	9057186 Gmdrm	hypo	CHH	-0.0289
Gm02	9059972	9060836 Gmdrm	hypo	CHH	-0.0772
Gm02	9061464	9062463 Gmdrm	hypo	CHH	-0.1027
Gm02	9063543	9064540 Gmdrm	hypo	CHH	-0.0198
Gm02	9095727	9096724 Gmdrm	hypo	CHH	-0.0115
Gm02	9106066	9107060 Gmdrm	hypo	CHH	-0.0392
Gm02	9110579	9111562 Gmdrm	hypo	CHH	-0.0137
Gm02	9114078	9115074 Gmdrm	hypo	CHH	-0.0826
Gm02	9119394	9120392 Gmdrm	hypo	CHH	-0.1647
Gm02	9121715	9122710 Gmdrm	hypo	CHH	-0.0143
Gm02	9128897	9129678 Gmdrm	hypo	CHH	-0.0196
Gm02	9132691	9133690 Gmdrm	hypo	CHH	-0.0514
Gm02	9143768	9144768 Gmdrm	hypo	CHH	-0.0167
Gm02	9144771	9145761 Gmdrm	hypo	CHH	-0.0559
Gm02	9145791	9146450 Gmdrm	hypo	CHH	-0.0634
Gm02	9168031	9168750 Gmdrm	hypo	CHH	-0.0286
Gm02	9174606	9174731 Gmdrm	hypo	CHH	-0.056
Gm02	9177729	9177894 Gmdrm	hypo	CHH	-0.1171
Gm02	9178003	9178556 Gmdrm	hypo	CHH	-0.0168
Gm02	9184895	9185889 Gmdrm	hypo	CHH	-0.0349
Gm02	9185897	9186881 Gmdrm	hypo	CHH	-0.0314

Gm02	9194671	9195665 Gmdrm	hypo	CHH	-0.0564
Gm02	9210999	9211979 Gmdrm	hypo	CHH	-0.044
Gm02	9214432	9215410 Gmdrm	hypo	CHH	-0.0238
Gm02	9219002	9219998 Gmdrm	hypo	CHH	-0.0235
Gm02	9220016	9221015 Gmdrm	hypo	CHH	-0.0238
Gm02	9228886	9229676 Gmdrm	hypo	CHH	-0.016
Gm02	9229787	9230368 Gmdrm	hypo	CHH	-0.0445
Gm02	9233542	9234540 Gmdrm	hypo	CHH	-0.0846
Gm02	9234543	9235536 Gmdrm	hypo	CHH	-0.0283
Gm02	9235768	9236377 Gmdrm	hypo	CHH	-0.0304
Gm02	9261237	9262230 Gmdrm	hypo	CHH	-0.0181
Gm02	9263406	9263848 Gmdrm	hypo	CHH	-0.0185
Gm02	9269023	9270008 Gmdrm	hypo	CHH	-0.0247
Gm02	9270038	9271034 Gmdrm	hypo	CHH	-0.0147
Gm02	9275588	9276583 Gmdrm	hypo	CHH	-0.0309
Gm02	9276589	9277483 Gmdrm	hypo	CHH	-0.0223
Gm02	9277772	9278767 Gmdrm	hypo	CHH	-0.0252
Gm02	9278783	9279772 Gmdrm	hypo	CHH	-0.0302
Gm02	9279805	9280797 Gmdrm	hypo	CHH	-0.0538
Gm02	9280808	9281808 Gmdrm	hypo	CHH	-0.0241
Gm02	9288431	9289429 Gmdrm	hypo	CHH	-0.0627
Gm02	9295480	9296479 Gmdrm	hypo	CHH	-0.0612
Gm02	9296482	9297441 Gmdrm	hypo	CHH	-0.0599
Gm02	9313057	9314045 Gmdrm	hypo	CHH	-0.0421
Gm02	9322126	9322927 Gmdrm	hypo	CHH	-0.0454
Gm02	9324055	9325013 Gmdrm	hypo	CHH	-0.0122
Gm02	9338694	9339692 Gmdrm	hypo	CHH	-0.16
Gm02	9341711	9342578 Gmdrm	hypo	CHH	-0.037
Gm02	9345606	9345848 Gmdrm	hypo	CHH	-0.2819
Gm02	9346114	9346781 Gmdrm	hypo	CHH	-0.0216
Gm02	9349949	9350068 Gmdrm	hypo	CHH	-0.026
Gm02	9350193	9351140 Gmdrm	hypo	CHH	-0.0198
Gm02	9368262	9369054 Gmdrm	hypo	CHH	-0.0399
Gm02	9373004	9373992 Gmdrm	hypo	CHH	-0.0274
Gm02	9377611	9378499 Gmdrm	hypo	CHH	-0.0198
Gm02	9385025	9386019 Gmdrm	hypo	CHH	-0.0846
Gm02	9386026	9387024 Gmdrm	hypo	CHH	-0.096
Gm02	9387027	9387434 Gmdrm	hypo	CHH	-0.0695
Gm02	9391561	9392552 Gmdrm	hypo	CHH	-0.0299
Gm02	9412292	9413288 Gmdrm	hypo	CHH	-0.0159
Gm02	9420110	9421082 Gmdrm	hypo	CHH	-0.2818
Gm02	9421116	9422115 Gmdrm	hypo	CHH	-0.0822
Gm02	9422117	9423074 Gmdrm	hypo	CHH	-0.0556
Gm02	9424122	9425120 Gmdrm	hypo	CHH	-0.1025
Gm02	9436677	9437677 Gmdrm	hypo	CHH	-0.0257
Gm02	9438721	9439714 Gmdrm	hypo	CHH	-0.0333

Gm02	9447825	9448822 Gmdrm	hypo	CHH	-0.056
Gm02	9448842	9449838 Gmdrm	hypo	CHH	-0.0825
Gm02	9449846	9450819 Gmdrm	hypo	CHH	-0.0698
Gm02	9451911	9452901 Gmdrm	hypo	CHH	-0.0368
Gm02	9453917	9454916 Gmdrm	hypo	CHH	-0.0227
Gm02	9459318	9460300 Gmdrm	hypo	CHH	-0.0311
Gm02	9464379	9465379 Gmdrm	hypo	CHH	-0.0665
Gm02	9474072	9475071 Gmdrm	hypo	CHH	-0.0161
Gm02	9475073	9476059 Gmdrm	hypo	CHH	-0.0299
Gm02	9503622	9504621 Gmdrm	hypo	CHH	-0.0648
Gm02	9516270	9517268 Gmdrm	hypo	CHH	-0.0175
Gm02	9517279	9518277 Gmdrm	hypo	CHH	-0.1096
Gm02	9520827	9521823 Gmdrm	hypo	CHH	-0.1015
Gm02	9521835	9522833 Gmdrm	hypo	CHH	-0.0698
Gm02	9524855	9525826 Gmdrm	hypo	CHH	-0.061
Gm02	9528971	9529968 Gmdrm	hypo	CHH	-0.2212
Gm02	9529978	9530940 Gmdrm	hypo	CHH	-0.1255
Gm02	9531997	9532997 Gmdrm	hypo	CHH	-0.1346
Gm02	9533043	9534037 Gmdrm	hypo	CHH	-0.0618
Gm02	9537061	9538060 Gmdrm	hypo	CHH	-0.0277
Gm02	9559271	9559661 Gmdrm	hypo	CHH	-0.0228
Gm02	9560914	9561910 Gmdrm	hypo	CHH	-0.06
Gm02	9562162	9563158 Gmdrm	hypo	CHH	-0.0524
Gm02	9592666	9592749 Gmdrm	hypo	CHH	-0.044
Gm02	9594019	9594996 Gmdrm	hypo	CHH	-0.0365
Gm02	9595022	9596021 Gmdrm	hypo	CHH	-0.0549
Gm02	9596024	9597006 Gmdrm	hypo	CHH	-0.0577
Gm02	9597031	9598014 Gmdrm	hypo	CHH	-0.0614
Gm02	9612871	9613861 Gmdrm	hypo	CHH	-0.0106
Gm02	9614925	9615917 Gmdrm	hypo	CHH	-0.0391
Gm02	9615928	9616911 Gmdrm	hypo	CHH	-0.0512
Gm02	9616941	9617930 Gmdrm	hypo	CHH	-0.027
Gm02	9617944	9618930 Gmdrm	hypo	CHH	-0.028
Gm02	9628512	9629496 Gmdrm	hypo	CHH	-0.0784
Gm02	9629518	9630504 Gmdrm	hypo	CHH	-0.1533
Gm02	9630522	9630835 Gmdrm	hypo	CHH	-0.042
Gm02	9630988	9631908 Gmdrm	hypo	CHH	-0.0193
Gm02	9634018	9634995 Gmdrm	hypo	CHH	-0.0629
Gm02	9636030	9637022 Gmdrm	hypo	CHH	-0.1332
Gm02	9646308	9647306 Gmdrm	hypo	CHH	-0.0231
Gm02	9647327	9648318 Gmdrm	hypo	CHH	-0.0133
Gm02	9656872	9657870 Gmdrm	hypo	CHH	-0.0155
Gm02	9658814	9659191 Gmdrm	hypo	CHH	-0.026
Gm02	9668619	9669619 Gmdrm	hypo	CHH	-0.2071
Gm02	9669624	9670606 Gmdrm	hypo	CHH	-0.0899
Gm02	9670666	9671665 Gmdrm	hypo	CHH	-0.047

Gm02	9671681	9672673 Gmdrm	hypo	CHH	-0.1139
Gm02	9680188	9681181 Gmdrm	hypo	CHH	-0.0212
Gm02	9689961	9690955 Gmdrm	hypo	CHH	-0.0409
Gm02	9690967	9691954 Gmdrm	hypo	CHH	-0.0357
Gm02	9693051	9693979 Gmdrm	hypo	CHH	-0.0322
Gm02	9697085	9698080 Gmdrm	hypo	CHH	-0.1909
Gm02	9699928	9700651 Gmdrm	hypo	CHH	-0.1361
Gm02	9701829	9702406 Gmdrm	hypo	CHH	-0.1151
Gm02	9706072	9707055 Gmdrm	hypo	CHH	-0.02
Gm02	9710144	9711144 Gmdrm	hypo	CHH	-0.0527
Gm02	9715933	9716914 Gmdrm	hypo	CHH	-0.1544
Gm02	9716939	9717920 Gmdrm	hypo	CHH	-0.0387
Gm02	9719946	9720548 Gmdrm	hypo	CHH	-0.0231
Gm02	9720675	9721670 Gmdrm	hypo	CHH	-0.053
Gm02	9729034	9730026 Gmdrm	hypo	CHH	-0.0226
Gm02	9731182	9731797 Gmdrm	hypo	CHH	-0.0286
Gm02	9736971	9737806 Gmdrm	hypo	CHH	-0.0417
Gm02	9743990	9744979 Gmdrm	hypo	CHH	-0.0446
Gm02	9763565	9764563 Gmdrm	hypo	CHH	-0.0484
Gm02	9764571	9765567 Gmdrm	hypo	CHH	-0.0995
Gm02	9765579	9766563 Gmdrm	hypo	CHH	-0.0494
Gm02	9766585	9767520 Gmdrm	hypo	CHH	-0.017
Gm02	9767593	9768589 Gmdrm	hypo	CHH	-0.0191
Gm02	9768620	9769602 Gmdrm	hypo	CHH	-0.0542
Gm02	9787888	9788881 Gmdrm	hypo	CHH	-0.0816
Gm02	9792895	9793861 Gmdrm	hypo	CHH	-0.0221
Gm02	9797783	9798753 Gmdrm	hypo	CHH	-0.0131
Gm02	9798801	9799779 Gmdrm	hypo	CHH	-0.038
Gm02	9811379	9812344 Gmdrm	hypo	CHH	-0.0341
Gm02	9822232	9823223 Gmdrm	hypo	CHH	-0.0296
Gm02	9831716	9832594 Gmdrm	hypo	CHH	-0.0519
Gm02	9832807	9833806 Gmdrm	hypo	CHH	-0.3862
Gm02	9833808	9834807 Gmdrm	hypo	CHH	-0.115
Gm02	9834809	9835127 Gmdrm	hypo	CHH	-0.0864
Gm02	9839369	9840350 Gmdrm	hypo	CHH	-0.0567
Gm02	9867150	9868147 Gmdrm	hypo	CHH	-0.0374
Gm02	9887980	9888976 Gmdrm	hypo	CHH	-0.0216
Gm02	9899347	9900187 Gmdrm	hypo	CHH	-0.0498
Gm02	9910471	9911468 Gmdrm	hypo	CHH	-0.0574
Gm02	9922215	9923214 Gmdrm	hypo	CHH	-0.0189
Gm02	9929369	9930349 Gmdrm	hypo	CHH	-0.0642
Gm02	9932837	9933837 Gmdrm	hypo	CHH	-0.0154
Gm02	9933868	9934863 Gmdrm	hypo	CHH	-0.0793
Gm02	9939901	9940861 Gmdrm	hypo	CHH	-0.2456
Gm02	9952905	9953481 Gmdrm	hypo	CHH	-0.0281
Gm02	9953600	9954600 Gmdrm	hypo	CHH	-0.0168

Gm02	9956620	9957516 Gmdrm	hypo	CHH	-0.0179
Gm02	9960609	9961599 Gmdrm	hypo	CHH	-0.0495
Gm02	9961611	9962611 Gmdrm	hypo	CHH	-0.043
Gm02	9966352	9967352 Gmdrm	hypo	CHH	-0.0285
Gm02	9967356	9968351 Gmdrm	hypo	CHH	-0.1241
Gm02	9968370	9969363 Gmdrm	hypo	CHH	-0.0417
Gm02	9973042	9974041 Gmdrm	hypo	CHH	-0.0435
Gm02	9975865	9976857 Gmdrm	hypo	CHH	-0.1128
Gm02	9977866	9978681 Gmdrm	hypo	CHH	-0.0306
Gm02	9990385	9991375 Gmdrm	hypo	CHH	-0.0222
Gm02	9999785	10000770 Gmdrm	hypo	CHH	-0.0288
Gm02	10003310	10004286 Gmdrm	hypo	CHH	-0.0807
Gm02	10036786	10037784 Gmdrm	hypo	CHH	-0.0427
Gm02	10037792	10038792 Gmdrm	hypo	CHH	-0.0373
Gm02	10058485	10058914 Gmdrm	hypo	CHH	-0.0359
Gm02	10063236	10064218 Gmdrm	hypo	CHH	-0.0259
Gm02	10065345	10066326 Gmdrm	hypo	CHH	-0.0151
Gm02	10075324	10076323 Gmdrm	hypo	CHH	-0.0937
Gm02	10076882	10077878 Gmdrm	hypo	CHH	-0.2054
Gm02	10077883	10078560 Gmdrm	hypo	CHH	-0.2132
Gm02	10080580	10081536 Gmdrm	hypo	CHH	-0.0157
Gm02	10087188	10087364 Gmdrm	hypo	CHH	-0.0377
Gm02	10098333	10099330 Gmdrm	hypo	CHH	-0.0179
Gm02	10110319	10110495 Gmdrm	hypo	CHH	-0.0544
Gm02	10112305	10113301 Gmdrm	hypo	CHH	-0.0331
Gm02	10126158	10126336 Gmdrm	hypo	CHH	-0.0288
Gm02	10152092	10153085 Gmdrm	hypo	CHH	-0.0217
Gm02	10153094	10153858 Gmdrm	hypo	CHH	-0.1266
Gm02	10156977	10157977 Gmdrm	hypo	CHH	-0.0549
Gm02	10159995	10160961 Gmdrm	hypo	CHH	-0.0368
Gm02	10163252	10164245 Gmdrm	hypo	CHH	-0.0225
Gm02	10175331	10176304 Gmdrm	hypo	CHH	-0.017
Gm02	10184822	10185777 Gmdrm	hypo	CHH	-0.0344
Gm02	10199545	10200542 Gmdrm	hypo	CHH	-0.1038
Gm02	10200546	10201546 Gmdrm	hypo	CHH	-0.0568
Gm02	10208544	10209534 Gmdrm	hypo	CHH	-0.0128
Gm02	10210593	10211583 Gmdrm	hypo	CHH	-0.0114
Gm02	10213654	10214114 Gmdrm	hypo	CHH	-0.0238
Gm02	10214222	10215182 Gmdrm	hypo	CHH	-0.0266
Gm02	10225679	10226667 Gmdrm	hypo	CHH	-0.0537
Gm02	10228020	10228320 Gmdrm	hypo	CHH	-0.0332
Gm02	10239784	10240782 Gmdrm	hypo	CHH	-0.0173
Gm02	10247213	10247977 Gmdrm	hypo	CHH	-0.0714
Gm02	10256562	10257526 Gmdrm	hypo	CHH	-0.0508
Gm02	10275071	10276071 Gmdrm	hypo	CHH	-0.0088
Gm02	10278823	10279820 Gmdrm	hypo	CHH	-0.0277

Gm02	10281644	10282519	Gmdrm	hypo	CHH	-0.0298
Gm02	10287331	10288324	Gmdrm	hypo	CHH	-0.0193
Gm02	10288332	10289330	Gmdrm	hypo	CHH	-0.0509
Gm02	10304372	10305372	Gmdrm	hypo	CHH	-0.1693
Gm02	10305375	10306369	Gmdrm	hypo	CHH	-0.088
Gm02	10310425	10311231	Gmdrm	hypo	CHH	-0.0249
Gm02	10313983	10314982	Gmdrm	hypo	CHH	-0.1987
Gm02	10314984	10315917	Gmdrm	hypo	CHH	-0.0404
Gm02	10321646	10322637	Gmdrm	hypo	CHH	-0.0756
Gm02	10327685	10328681	Gmdrm	hypo	CHH	-0.0414
Gm02	10328687	10329669	Gmdrm	hypo	CHH	-0.0702
Gm02	10337222	10337703	Gmdrm	hypo	CHH	-0.0469
Gm02	10337848	10338838	Gmdrm	hypo	CHH	-0.0437
Gm02	10338865	10339862	Gmdrm	hypo	CHH	-0.0637
Gm02	10339872	10340581	Gmdrm	hypo	CHH	-0.0438
Gm02	10346594	10347590	Gmdrm	hypo	CHH	-0.0407
Gm02	10347595	10348594	Gmdrm	hypo	CHH	-0.0421
Gm02	10349337	10349889	Gmdrm	hypo	CHH	-0.0313
Gm02	10363986	10364243	Gmdrm	hypo	CHH	-0.1329
Gm02	10369947	10370939	Gmdrm	hypo	CHH	-0.1241
Gm02	10380010	10381001	Gmdrm	hypo	CHH	-0.0229
Gm02	10388129	10388903	Gmdrm	hypo	CHH	-0.0198
Gm02	10400375	10401373	Gmdrm	hypo	CHH	-0.1004
Gm02	10406385	10407377	Gmdrm	hypo	CHH	-0.0407
Gm02	10410433	10411423	Gmdrm	hypo	CHH	-0.0245
Gm02	10411445	10412434	Gmdrm	hypo	CHH	-0.0309
Gm02	10416501	10417480	Gmdrm	hypo	CHH	-0.0189
Gm02	10420891	10421873	Gmdrm	hypo	CHH	-0.0205
Gm02	10432675	10432764	Gmdrm	hypo	CHH	-0.0614
Gm02	10439892	10440602	Gmdrm	hypo	CHH	-0.0181
Gm02	10468115	10469113	Gmdrm	hypo	CHH	-0.0885
Gm02	10469121	10470119	Gmdrm	hypo	CHH	-0.0775
Gm02	10470134	10471128	Gmdrm	hypo	CHH	-0.0575
Gm02	10477175	10478110	Gmdrm	hypo	CHH	-0.0457
Gm02	10481729	10482726	Gmdrm	hypo	CHH	-0.0837
Gm02	10485741	10486726	Gmdrm	hypo	CHH	-0.1429
Gm02	10493384	10494120	Gmdrm	hypo	CHH	-0.0202
Gm02	10495417	10496416	Gmdrm	hypo	CHH	-0.015
Gm02	10496475	10497475	Gmdrm	hypo	CHH	-0.0124
Gm02	10503189	10504110	Gmdrm	hypo	CHH	-0.0451
Gm02	10504258	10505253	Gmdrm	hypo	CHH	-0.1006
Gm02	10506274	10507260	Gmdrm	hypo	CHH	-0.0654
Gm02	10507323	10508313	Gmdrm	hypo	CHH	-0.0414
Gm02	10508328	10509311	Gmdrm	hypo	CHH	-0.0445
Gm02	10528568	10529556	Gmdrm	hypo	CHH	-0.0483
Gm02	10529574	10530564	Gmdrm	hypo	CHH	-0.0612

Gm02	10530576	10531560	Gmdrm	hypo	CHH	-0.0567
Gm02	10533630	10534621	Gmdrm	hypo	CHH	-0.0125
Gm02	10544891	10545875	Gmdrm	hypo	CHH	-0.0746
Gm02	10569032	10570017	Gmdrm	hypo	CHH	-0.0178
Gm02	10576291	10577287	Gmdrm	hypo	CHH	-0.0166
Gm02	10583207	10584203	Gmdrm	hypo	CHH	-0.0128
Gm02	10593147	10594074	Gmdrm	hypo	CHH	-0.0475
Gm02	10594157	10595138	Gmdrm	hypo	CHH	-0.0238
Gm02	10608397	10609390	Gmdrm	hypo	CHH	-0.0947
Gm02	10610557	10611544	Gmdrm	hypo	CHH	-0.0825
Gm02	10611566	10612559	Gmdrm	hypo	CHH	-0.1364
Gm02	10614945	10615099	Gmdrm	hypo	CHH	-0.032
Gm02	10626891	10627878	Gmdrm	hypo	CHH	-0.051
Gm02	10633407	10633862	Gmdrm	hypo	CHH	-0.2767
Gm02	10634390	10634824	Gmdrm	hypo	CHH	-0.2523
Gm02	10635825	10636815	Gmdrm	hypo	CHH	-0.0692
Gm02	10639156	10639773	Gmdrm	hypo	CHH	-0.0169
Gm02	10643478	10644444	Gmdrm	hypo	CHH	-0.0196
Gm02	10664161	10665159	Gmdrm	hypo	CHH	-0.0673
Gm02	10665164	10666154	Gmdrm	hypo	CHH	-0.0504
Gm02	10667175	10668174	Gmdrm	hypo	CHH	-0.0799
Gm02	10677363	10678339	Gmdrm	hypo	CHH	-0.0274
Gm02	10681192	10682191	Gmdrm	hypo	CHH	-0.0195
Gm02	10682196	10683192	Gmdrm	hypo	CHH	-0.0709
Gm02	10699010	10700003	Gmdrm	hypo	CHH	-0.1645
Gm02	10705695	10706106	Gmdrm	hypo	CHH	-0.0282
Gm02	10712019	10713001	Gmdrm	hypo	CHH	-0.0202
Gm02	10719064	10720044	Gmdrm	hypo	CHH	-0.0534
Gm02	10725160	10726156	Gmdrm	hypo	CHH	-0.1756
Gm02	10726164	10727154	Gmdrm	hypo	CHH	-0.0362
Gm02	10727795	10728757	Gmdrm	hypo	CHH	-0.0169
Gm02	10729014	10730011	Gmdrm	hypo	CHH	-0.2584
Gm02	10733422	10734406	Gmdrm	hypo	CHH	-0.0125
Gm02	10734904	10735899	Gmdrm	hypo	CHH	-0.1194
Gm02	10741322	10742320	Gmdrm	hypo	CHH	-0.0556
Gm02	10744332	10745332	Gmdrm	hypo	CHH	-0.0574
Gm02	10766348	10767314	Gmdrm	hypo	CHH	-0.0176
Gm02	10773386	10774360	Gmdrm	hypo	CHH	-0.0508
Gm02	10796033	10797030	Gmdrm	hypo	CHH	-0.0388
Gm02	10812554	10813554	Gmdrm	hypo	CHH	-0.0106
Gm02	10821438	10822436	Gmdrm	hypo	CHH	-0.0619
Gm02	10822444	10823435	Gmdrm	hypo	CHH	-0.0289
Gm02	10833193	10834177	Gmdrm	hypo	CHH	-0.0494
Gm02	10839156	10840155	Gmdrm	hypo	CHH	-0.0939
Gm02	10840166	10840757	Gmdrm	hypo	CHH	-0.0796
Gm02	10842877	10843856	Gmdrm	hypo	CHH	-0.1023

Gm02	10847700	10848671 Gmdrm	hypo	CHH	-0.0384
Gm02	10852332	10853332 Gmdrm	hypo	CHH	-0.0252
Gm02	10853342	10854341 Gmdrm	hypo	CHH	-0.1501
Gm02	10854347	10855126 Gmdrm	hypo	CHH	-0.04
Gm02	10861501	10861704 Gmdrm	hypo	CHH	-0.1029
Gm02	10863485	10864461 Gmdrm	hypo	CHH	-0.0136
Gm02	10884800	10885796 Gmdrm	hypo	CHH	-0.0184
Gm02	10888816	10889807 Gmdrm	hypo	CHH	-0.0486
Gm02	10904171	10905154 Gmdrm	hypo	CHH	-0.0166
Gm02	10915291	10916288 Gmdrm	hypo	CHH	-0.0859
Gm02	10916298	10917286 Gmdrm	hypo	CHH	-0.0192
Gm02	10933456	10934453 Gmdrm	hypo	CHH	-0.0148
Gm02	10937493	10938472 Gmdrm	hypo	CHH	-0.0837
Gm02	10940513	10941509 Gmdrm	hypo	CHH	-0.0333
Gm02	10941517	10942197 Gmdrm	hypo	CHH	-0.0368
Gm02	10949651	10950462 Gmdrm	hypo	CHH	-0.0187
Gm02	10959317	10960317 Gmdrm	hypo	CHH	-0.2499
Gm02	10960320	10961299 Gmdrm	hypo	CHH	-0.1935
Gm02	10968551	10969547 Gmdrm	hypo	CHH	-0.1351
Gm02	10984748	10984900 Gmdrm	hypo	CHH	-0.0843
Gm02	10986074	10987069 Gmdrm	hypo	CHH	-0.014
Gm02	10990220	10991219 Gmdrm	hypo	CHH	-0.0301
Gm02	11012065	11012789 Gmdrm	hypo	CHH	-0.0224
Gm02	11020726	11021045 Gmdrm	hypo	CHH	-0.0246
Gm02	11027010	11027972 Gmdrm	hypo	CHH	-0.0691
Gm02	11028682	11029002 Gmdrm	hypo	CHH	-0.0348
Gm02	11041942	11042913 Gmdrm	hypo	CHH	-0.0399
Gm02	11042947	11043226 Gmdrm	hypo	CHH	-0.072
Gm02	11043666	11043844 Gmdrm	hypo	CHH	-0.0884
Gm02	11062871	11063674 Gmdrm	hypo	CHH	-0.0107
Gm02	11066262	11067261 Gmdrm	hypo	CHH	-0.0198
Gm02	11088433	11088835 Gmdrm	hypo	CHH	-0.0206
Gm02	11095983	11096981 Gmdrm	hypo	CHH	-0.0572
Gm02	11097023	11098022 Gmdrm	hypo	CHH	-0.1808
Gm02	11098024	11098251 Gmdrm	hypo	CHH	-0.1106
Gm02	11103374	11104304 Gmdrm	hypo	CHH	-0.0353
Gm02	11104397	11105385 Gmdrm	hypo	CHH	-0.0442
Gm02	11105406	11105865 Gmdrm	hypo	CHH	-0.1352
Gm02	11109486	11110480 Gmdrm	hypo	CHH	-0.0248
Gm02	11110489	11111482 Gmdrm	hypo	CHH	-0.0375
Gm02	11111492	11112457 Gmdrm	hypo	CHH	-0.0509
Gm02	11119009	11120005 Gmdrm	hypo	CHH	-0.0548
Gm02	11125534	11126528 Gmdrm	hypo	CHH	-0.0372
Gm02	11132082	11133081 Gmdrm	hypo	CHH	-0.0169
Gm02	11136582	11137579 Gmdrm	hypo	CHH	-0.1469
Gm02	11137587	11138387 Gmdrm	hypo	CHH	-0.0759

Gm02	11139528	11140511 Gmdrm	hypo	CHH	-0.0128
Gm02	11145642	11146634 Gmdrm	hypo	CHH	-0.015
Gm02	11150746	11151746 Gmdrm	hypo	CHH	-0.155
Gm02	11151748	11152319 Gmdrm	hypo	CHH	-0.21
Gm02	11164127	11165122 Gmdrm	hypo	CHH	-0.0435
Gm02	11168424	11169421 Gmdrm	hypo	CHH	-0.0182
Gm02	11169440	11170439 Gmdrm	hypo	CHH	-0.0251
Gm02	11180172	11181165 Gmdrm	hypo	CHH	-0.0679
Gm02	11184265	11185012 Gmdrm	hypo	CHH	-0.0124
Gm02	11185137	11186119 Gmdrm	hypo	CHH	-0.0267
Gm02	11186364	11186645 Gmdrm	hypo	CHH	-0.064
Gm02	11202611	11203611 Gmdrm	hypo	CHH	-0.0676
Gm02	11203614	11204575 Gmdrm	hypo	CHH	-0.0263
Gm02	11204625	11205620 Gmdrm	hypo	CHH	-0.0696
Gm02	11250740	11251738 Gmdrm	hypo	CHH	-0.0437
Gm02	11262040	11263020 Gmdrm	hypo	CHH	-0.1215
Gm02	11279817	11280813 Gmdrm	hypo	CHH	-0.0756
Gm02	11287617	11288607 Gmdrm	hypo	CHH	-0.0517
Gm02	11304997	11305988 Gmdrm	hypo	CHH	-0.0985
Gm02	11306006	11306131 Gmdrm	hypo	CHH	-0.13
Gm02	11310302	11311281 Gmdrm	hypo	CHH	-0.0186
Gm02	11313235	11314184 Gmdrm	hypo	CHH	-0.0581
Gm02	11314558	11314622 Gmdrm	hypo	CHH	-0.2917
Gm02	11319681	11320668 Gmdrm	hypo	CHH	-0.0123
Gm02	11323134	11324120 Gmdrm	hypo	CHH	-0.0182
Gm02	11324151	11325151 Gmdrm	hypo	CHH	-0.1487
Gm02	11325152	11326144 Gmdrm	hypo	CHH	-0.2993
Gm02	11332958	11333925 Gmdrm	hypo	CHH	-0.0329
Gm02	11336350	11337343 Gmdrm	hypo	CHH	-0.2011
Gm02	11351727	11352723 Gmdrm	hypo	CHH	-0.0261
Gm02	11355323	11355844 Gmdrm	hypo	CHH	-0.0748
Gm02	11360042	11361006 Gmdrm	hypo	CHH	-0.0177
Gm02	11373266	11374256 Gmdrm	hypo	CHH	-0.0509
Gm02	11376289	11377285 Gmdrm	hypo	CHH	-0.0182
Gm02	11383320	11384308 Gmdrm	hypo	CHH	-0.0264
Gm02	11385349	11386349 Gmdrm	hypo	CHH	-0.0192
Gm02	11386361	11387346 Gmdrm	hypo	CHH	-0.118
Gm02	11387365	11388195 Gmdrm	hypo	CHH	-0.1043
Gm02	11390582	11391579 Gmdrm	hypo	CHH	-0.035
Gm02	11401410	11402403 Gmdrm	hypo	CHH	-0.1178
Gm02	11403462	11404450 Gmdrm	hypo	CHH	-0.0951
Gm02	11405467	11406463 Gmdrm	hypo	CHH	-0.0562
Gm02	11406472	11407471 Gmdrm	hypo	CHH	-0.0367
Gm02	11411551	11412550 Gmdrm	hypo	CHH	-0.1542
Gm02	11412552	11413496 Gmdrm	hypo	CHH	-0.1117
Gm02	11420091	11421090 Gmdrm	hypo	CHH	-0.0443

Gm02	11425994	11426181	Gmdrm	hypo	CHH	-0.1266
Gm02	11431652	11432649	Gmdrm	hypo	CHH	-0.0354
Gm02	11457316	11458314	Gmdrm	hypo	CHH	-0.1746
Gm02	11458329	11459328	Gmdrm	hypo	CHH	-0.1427
Gm02	11459330	11460243	Gmdrm	hypo	CHH	-0.2047
Gm02	11466391	11467389	Gmdrm	hypo	CHH	-0.0233
Gm02	11471274	11472261	Gmdrm	hypo	CHH	-0.0133
Gm02	11472280	11473276	Gmdrm	hypo	CHH	-0.1275
Gm02	11478404	11479397	Gmdrm	hypo	CHH	-0.121
Gm02	11479405	11479744	Gmdrm	hypo	CHH	-0.0903
Gm02	11479879	11480877	Gmdrm	hypo	CHH	-0.1348
Gm02	11480898	11481104	Gmdrm	hypo	CHH	-0.0972
Gm02	11482176	11483162	Gmdrm	hypo	CHH	-0.0691
Gm02	11484914	11485886	Gmdrm	hypo	CHH	-0.0159
Gm02	11485937	11486797	Gmdrm	hypo	CHH	-0.0451
Gm02	11486910	11487869	Gmdrm	hypo	CHH	-0.1076
Gm02	11489943	11490943	Gmdrm	hypo	CHH	-0.0606
Gm02	11490962	11491111	Gmdrm	hypo	CHH	-0.0646
Gm02	11491510	11492487	Gmdrm	hypo	CHH	-0.0208
Gm02	11493634	11494047	Gmdrm	hypo	CHH	-0.059
Gm02	11498778	11499726	Gmdrm	hypo	CHH	-0.0204
Gm02	11500132	11501126	Gmdrm	hypo	CHH	-0.0206
Gm02	11501146	11502140	Gmdrm	hypo	CHH	-0.1502
Gm02	11502159	11503153	Gmdrm	hypo	CHH	-0.0152
Gm02	11503171	11504171	Gmdrm	hypo	CHH	-0.0684
Gm02	11504175	11505174	Gmdrm	hypo	CHH	-0.0764
Gm02	11509716	11510708	Gmdrm	hypo	CHH	-0.0278
Gm02	11510724	11511624	Gmdrm	hypo	CHH	-0.0319
Gm02	11512251	11512304	Gmdrm	hypo	CHH	-0.0443
Gm02	11513454	11514438	Gmdrm	hypo	CHH	-0.088
Gm02	11515463	11516456	Gmdrm	hypo	CHH	-0.0261
Gm02	11516467	11517445	Gmdrm	hypo	CHH	-0.0283
Gm02	11524286	11525280	Gmdrm	hypo	CHH	-0.0143
Gm02	11530899	11531894	Gmdrm	hypo	CHH	-0.063
Gm02	11531901	11532878	Gmdrm	hypo	CHH	-0.1008
Gm02	11546663	11547662	Gmdrm	hypo	CHH	-0.1586
Gm02	11547672	11548667	Gmdrm	hypo	CHH	-0.324
Gm02	11549706	11550633	Gmdrm	hypo	CHH	-0.1791
Gm02	11551822	11552459	Gmdrm	hypo	CHH	-0.2487
Gm02	11552601	11553528	Gmdrm	hypo	CHH	-0.0233
Gm02	11554658	11555055	Gmdrm	hypo	CHH	-0.029
Gm02	11557887	11558886	Gmdrm	hypo	CHH	-0.188
Gm02	11558898	11559876	Gmdrm	hypo	CHH	-0.022
Gm02	11559920	11560883	Gmdrm	hypo	CHH	-0.0149
Gm02	11562711	11563710	Gmdrm	hypo	CHH	-0.0536
Gm02	11563718	11564717	Gmdrm	hypo	CHH	-0.0337

Gm02	11573017	11573430	Gmdrm	hypo	CHH	-0.0746
Gm02	11573576	11574572	Gmdrm	hypo	CHH	-0.0374
Gm02	11574577	11575577	Gmdrm	hypo	CHH	-0.0618
Gm02	11587899	11588890	Gmdrm	hypo	CHH	-0.0265
Gm02	11588904	11589035	Gmdrm	hypo	CHH	-0.0536
Gm02	11589222	11590209	Gmdrm	hypo	CHH	-0.071
Gm02	11596665	11597664	Gmdrm	hypo	CHH	-0.0373
Gm02	11597667	11598056	Gmdrm	hypo	CHH	-0.0282
Gm02	11598568	11599512	Gmdrm	hypo	CHH	-0.0262
Gm02	11599815	11600796	Gmdrm	hypo	CHH	-0.1208
Gm02	11600829	11601807	Gmdrm	hypo	CHH	-0.1455
Gm02	11601843	11602791	Gmdrm	hypo	CHH	-0.1494
Gm02	11604523	11605504	Gmdrm	hypo	CHH	-0.218
Gm02	11608889	11609876	Gmdrm	hypo	CHH	-0.02
Gm02	11624117	11625112	Gmdrm	hypo	CHH	-0.0155
Gm02	11628624	11629616	Gmdrm	hypo	CHH	-0.0177
Gm02	11633369	11634350	Gmdrm	hypo	CHH	-0.0167
Gm02	11651230	11652230	Gmdrm	hypo	CHH	-0.02
Gm02	11652234	11653217	Gmdrm	hypo	CHH	-0.111
Gm02	11657696	11658686	Gmdrm	hypo	CHH	-0.0215
Gm02	11668524	11669031	Gmdrm	hypo	CHH	-0.0159
Gm02	11676473	11677469	Gmdrm	hypo	CHH	-0.0119
Gm02	11704134	11705120	Gmdrm	hypo	CHH	-0.0121
Gm02	11717632	11718605	Gmdrm	hypo	CHH	-0.0172
Gm02	11718878	11719836	Gmdrm	hypo	CHH	-0.0815
Gm02	11719886	11720870	Gmdrm	hypo	CHH	-0.0392
Gm02	11720895	11721892	Gmdrm	hypo	CHH	-0.0683
Gm02	11733666	11734658	Gmdrm	hypo	CHH	-0.0124
Gm02	11769402	11770400	Gmdrm	hypo	CHH	-0.04
Gm02	11770416	11770702	Gmdrm	hypo	CHH	-0.0381
Gm02	11780170	11781164	Gmdrm	hypo	CHH	-0.018
Gm02	11781178	11782174	Gmdrm	hypo	CHH	-0.0372
Gm02	11787874	11788873	Gmdrm	hypo	CHH	-0.0287
Gm02	11808829	11809823	Gmdrm	hypo	CHH	-0.0535
Gm02	11831869	11832865	Gmdrm	hypo	CHH	-0.1012
Gm02	11837661	11838628	Gmdrm	hypo	CHH	-0.105
Gm02	11846751	11847749	Gmdrm	hypo	CHH	-0.0652
Gm02	11847753	11848741	Gmdrm	hypo	CHH	-0.0855
Gm02	11850642	11851600	Gmdrm	hypo	CHH	-0.0666
Gm02	11866929	11867419	Gmdrm	hypo	CHH	-0.0275
Gm02	11868861	11869861	Gmdrm	hypo	CHH	-0.0663
Gm02	11882809	11883803	Gmdrm	hypo	CHH	-0.0682
Gm02	11885841	11886841	Gmdrm	hypo	CHH	-0.0408
Gm02	11889883	11890877	Gmdrm	hypo	CHH	-0.0511
Gm02	11890884	11891884	Gmdrm	hypo	CHH	-0.0979
Gm02	11891890	11892872	Gmdrm	hypo	CHH	-0.0485

Gm02	11905061	11906048	Gmdrm	hypo	CHH	-0.0169
Gm02	11906074	11907065	Gmdrm	hypo	CHH	-0.0627
Gm02	11907078	11908074	Gmdrm	hypo	CHH	-0.0451
Gm02	11908083	11909068	Gmdrm	hypo	CHH	-0.0649
Gm02	11909112	11909963	Gmdrm	hypo	CHH	-0.0242
Gm02	11913496	11914484	Gmdrm	hypo	CHH	-0.0337
Gm02	11917504	11918492	Gmdrm	hypo	CHH	-0.0169
Gm02	11918509	11919498	Gmdrm	hypo	CHH	-0.0163
Gm02	11920570	11921548	Gmdrm	hypo	CHH	-0.0117
Gm02	11924606	11925606	Gmdrm	hypo	CHH	-0.0211
Gm02	11925622	11926605	Gmdrm	hypo	CHH	-0.0262
Gm02	11926626	11927622	Gmdrm	hypo	CHH	-0.0227
Gm02	11928646	11929443	Gmdrm	hypo	CHH	-0.1047
Gm02	11930580	11931561	Gmdrm	hypo	CHH	-0.0148
Gm02	11943252	11943519	Gmdrm	hypo	CHH	-0.0319
Gm02	11949401	11950396	Gmdrm	hypo	CHH	-0.0666
Gm02	11950404	11951400	Gmdrm	hypo	CHH	-0.149
Gm02	11951409	11952408	Gmdrm	hypo	CHH	-0.0665
Gm02	11954437	11955427	Gmdrm	hypo	CHH	-0.028
Gm02	11970559	11971559	Gmdrm	hypo	CHH	-0.0418
Gm02	11971560	11972544	Gmdrm	hypo	CHH	-0.0743
Gm02	11974571	11975565	Gmdrm	hypo	CHH	-0.1539
Gm02	11982841	11983474	Gmdrm	hypo	CHH	-0.0851
Gm02	11985872	11986868	Gmdrm	hypo	CHH	-0.0139
Gm02	11995854	11996836	Gmdrm	hypo	CHH	-0.0295
Gm02	12004660	12005655	Gmdrm	hypo	CHH	-0.0412
Gm02	12005666	12006033	Gmdrm	hypo	CHH	-0.0551
Gm02	12011215	12012182	Gmdrm	hypo	CHH	-0.1337
Gm02	12029091	12030070	Gmdrm	hypo	CHH	-0.02
Gm02	12030884	12031340	Gmdrm	hypo	CHH	-0.0372
Gm02	12033486	12034467	Gmdrm	hypo	CHH	-0.1576
Gm02	12034488	12035483	Gmdrm	hypo	CHH	-0.0667
Gm02	12035492	12036482	Gmdrm	hypo	CHH	-0.0685
Gm02	12038844	12039761	Gmdrm	hypo	CHH	-0.0283
Gm02	12042090	12043085	Gmdrm	hypo	CHH	-0.0398
Gm02	12043098	12044091	Gmdrm	hypo	CHH	-0.0565
Gm02	12044471	12045245	Gmdrm	hypo	CHH	-0.0227
Gm02	12060480	12061210	Gmdrm	hypo	CHH	-0.0346
Gm02	12067872	12068864	Gmdrm	hypo	CHH	-0.1018
Gm02	12068873	12069247	Gmdrm	hypo	CHH	-0.4764
Gm02	12073440	12074410	Gmdrm	hypo	CHH	-0.245
Gm02	12074444	12075443	Gmdrm	hypo	CHH	-0.0922
Gm02	12075450	12076432	Gmdrm	hypo	CHH	-0.0767
Gm02	12076453	12077384	Gmdrm	hypo	CHH	-0.1451
Gm02	12081463	12082435	Gmdrm	hypo	CHH	-0.0627
Gm02	12083886	12084881	Gmdrm	hypo	CHH	-0.0775

Gm02	12084888	12085879	Gmdrm	hypo	CHH	-0.0452
Gm02	12087099	12088092	Gmdrm	hypo	CHH	-0.0129
Gm02	12107924	12108915	Gmdrm	hypo	CHH	-0.0406
Gm02	12110967	12111223	Gmdrm	hypo	CHH	-0.0796
Gm02	12111364	12112345	Gmdrm	hypo	CHH	-0.0262
Gm02	12127395	12128387	Gmdrm	hypo	CHH	-0.0443
Gm02	12139892	12140867	Gmdrm	hypo	CHH	-0.0438
Gm02	12148975	12149953	Gmdrm	hypo	CHH	-0.1779
Gm02	12150998	12151996	Gmdrm	hypo	CHH	-0.0151
Gm02	12161033	12162027	Gmdrm	hypo	CHH	-0.0731
Gm02	12162037	12162915	Gmdrm	hypo	CHH	-0.0908
Gm02	12169585	12170559	Gmdrm	hypo	CHH	-0.0135
Gm02	12170609	12171603	Gmdrm	hypo	CHH	-0.1423
Gm02	12171622	12172616	Gmdrm	hypo	CHH	-0.0604
Gm02	12186589	12187142	Gmdrm	hypo	CHH	-0.0221
Gm02	12190029	12190987	Gmdrm	hypo	CHH	-0.0499
Gm02	12192636	12193634	Gmdrm	hypo	CHH	-0.0587
Gm02	12194203	12195123	Gmdrm	hypo	CHH	-0.0554
Gm02	12197404	12198404	Gmdrm	hypo	CHH	-0.0158
Gm02	12199438	12200431	Gmdrm	hypo	CHH	-0.1336
Gm02	12200455	12201426	Gmdrm	hypo	CHH	-0.0538
Gm02	12210769	12211751	Gmdrm	hypo	CHH	-0.0697
Gm02	12214998	12215994	Gmdrm	hypo	CHH	-0.3707
Gm02	12216000	12216954	Gmdrm	hypo	CHH	-0.0945
Gm02	12217026	12218016	Gmdrm	hypo	CHH	-0.0172
Gm02	12218631	12219631	Gmdrm	hypo	CHH	-0.0146
Gm02	12222687	12223657	Gmdrm	hypo	CHH	-0.0188
Gm02	12232806	12233789	Gmdrm	hypo	CHH	-0.0162
Gm02	12257274	12257481	Gmdrm	hypo	CHH	-0.0564
Gm02	12280988	12281980	Gmdrm	hypo	CHH	-0.0179
Gm02	12285647	12286637	Gmdrm	hypo	CHH	-0.0184
Gm02	12286651	12287649	Gmdrm	hypo	CHH	-0.0276
Gm02	12287668	12288651	Gmdrm	hypo	CHH	-0.0349
Gm02	12288676	12289674	Gmdrm	hypo	CHH	-0.1229
Gm02	12297443	12298432	Gmdrm	hypo	CHH	-0.0164
Gm02	12304304	12305246	Gmdrm	hypo	CHH	-0.0409
Gm02	12307712	12308701	Gmdrm	hypo	CHH	-0.0185
Gm02	12310993	12311991	Gmdrm	hypo	CHH	-0.0329
Gm02	12324431	12325431	Gmdrm	hypo	CHH	-0.0346
Gm02	12325436	12326436	Gmdrm	hypo	CHH	-0.0441
Gm02	12326439	12327436	Gmdrm	hypo	CHH	-0.0467
Gm02	12327440	12328411	Gmdrm	hypo	CHH	-0.0525
Gm02	12333590	12334580	Gmdrm	hypo	CHH	-0.0915
Gm02	12336637	12337615	Gmdrm	hypo	CHH	-0.0593
Gm02	12337641	12338511	Gmdrm	hypo	CHH	-0.0237
Gm02	12339812	12340811	Gmdrm	hypo	CHH	-0.0681

Gm02	12360264	12361233	Gmdrm	hypo	CHH	-0.0355
Gm02	12364301	12364481	Gmdrm	hypo	CHH	-0.1008
Gm02	12364612	12364828	Gmdrm	hypo	CHH	-0.0309
Gm02	12367808	12368416	Gmdrm	hypo	CHH	-0.038
Gm02	12376150	12377148	Gmdrm	hypo	CHH	-0.0204
Gm02	12377158	12378158	Gmdrm	hypo	CHH	-0.0489
Gm02	12378163	12379163	Gmdrm	hypo	CHH	-0.0155
Gm02	12381002	12381998	Gmdrm	hypo	CHH	-0.047
Gm02	12382013	12383011	Gmdrm	hypo	CHH	-0.05
Gm02	12385031	12385637	Gmdrm	hypo	CHH	-0.2057
Gm02	12386955	12387916	Gmdrm	hypo	CHH	-0.0106
Gm02	12396271	12397267	Gmdrm	hypo	CHH	-0.0179
Gm02	12397285	12398250	Gmdrm	hypo	CHH	-0.1003
Gm02	12402310	12403264	Gmdrm	hypo	CHH	-0.0172
Gm02	12405081	12406081	Gmdrm	hypo	CHH	-0.0584
Gm02	12413161	12414159	Gmdrm	hypo	CHH	-0.0525
Gm02	12429251	12430250	Gmdrm	hypo	CHH	-0.1414
Gm02	12430253	12431211	Gmdrm	hypo	CHH	-0.0807
Gm02	12431265	12432233	Gmdrm	hypo	CHH	-0.0746
Gm02	12432278	12433277	Gmdrm	hypo	CHH	-0.0547
Gm02	12437676	12438676	Gmdrm	hypo	CHH	-0.1639
Gm02	12438677	12439651	Gmdrm	hypo	CHH	-0.1169
Gm02	12440687	12441683	Gmdrm	hypo	CHH	-0.0132
Gm02	12442698	12443698	Gmdrm	hypo	CHH	-0.0573
Gm02	12443703	12444680	Gmdrm	hypo	CHH	-0.1096
Gm02	12445719	12446667	Gmdrm	hypo	CHH	-0.0814
Gm02	12446734	12447723	Gmdrm	hypo	CHH	-0.1585
Gm02	12467615	12468187	Gmdrm	hypo	CHH	-0.0875
Gm02	12470591	12471122	Gmdrm	hypo	CHH	-0.0801
Gm02	12474595	12475594	Gmdrm	hypo	CHH	-0.0523
Gm02	12482930	12483900	Gmdrm	hypo	CHH	-0.0273
Gm02	12493047	12494035	Gmdrm	hypo	CHH	-0.1467
Gm02	12498325	12498676	Gmdrm	hypo	CHH	-0.046
Gm02	12513171	12514115	Gmdrm	hypo	CHH	-0.0164
Gm02	12517365	12518360	Gmdrm	hypo	CHH	-0.0421
Gm02	12528913	12529875	Gmdrm	hypo	CHH	-0.1112
Gm02	12535433	12535663	Gmdrm	hypo	CHH	-0.0427
Gm02	12549636	12550255	Gmdrm	hypo	CHH	-0.0247
Gm02	12550364	12551361	Gmdrm	hypo	CHH	-0.0233
Gm02	12553412	12554407	Gmdrm	hypo	CHH	-0.0307
Gm02	12559092	12560040	Gmdrm	hypo	CHH	-0.0694
Gm02	12562083	12563083	Gmdrm	hypo	CHH	-0.0599
Gm02	12567224	12568223	Gmdrm	hypo	CHH	-0.1142
Gm02	12579891	12580872	Gmdrm	hypo	CHH	-0.0378
Gm02	12580922	12581916	Gmdrm	hypo	CHH	-0.1588
Gm02	12581923	12582923	Gmdrm	hypo	CHH	-0.0897

Gm02	12637939	12638900	Gmdrm	hypo	CHH	-0.0588
Gm02	12645631	12646613	Gmdrm	hypo	CHH	-0.0348
Gm02	12646637	12647634	Gmdrm	hypo	CHH	-0.0302
Gm02	12647642	12648316	Gmdrm	hypo	CHH	-0.0478
Gm02	12648420	12649419	Gmdrm	hypo	CHH	-0.07
Gm02	12650939	12651937	Gmdrm	hypo	CHH	-0.0192
Gm02	12655044	12656044	Gmdrm	hypo	CHH	-0.0367
Gm02	12656058	12657022	Gmdrm	hypo	CHH	-0.0312
Gm02	12658096	12659096	Gmdrm	hypo	CHH	-0.0219
Gm02	12659099	12660084	Gmdrm	hypo	CHH	-0.0375
Gm02	12660101	12661100	Gmdrm	hypo	CHH	-0.0406
Gm02	12661102	12662069	Gmdrm	hypo	CHH	-0.0602
Gm02	12662733	12663712	Gmdrm	hypo	CHH	-0.0287
Gm02	12664819	12665819	Gmdrm	hypo	CHH	-0.0196
Gm02	12674982	12675954	Gmdrm	hypo	CHH	-0.0148
Gm02	12681064	12681833	Gmdrm	hypo	CHH	-0.0474
Gm02	12683996	12684486	Gmdrm	hypo	CHH	-0.0677
Gm02	12695423	12696124	Gmdrm	hypo	CHH	-0.063
Gm02	12699217	12700217	Gmdrm	hypo	CHH	-0.1655
Gm02	12702051	12702924	Gmdrm	hypo	CHH	-0.0137
Gm02	12705127	12706101	Gmdrm	hypo	CHH	-0.0311
Gm02	12712488	12713482	Gmdrm	hypo	CHH	-0.062
Gm02	12717510	12718504	Gmdrm	hypo	CHH	-0.0393
Gm02	12720537	12721202	Gmdrm	hypo	CHH	-0.1416
Gm02	12724836	12725835	Gmdrm	hypo	CHH	-0.1282
Gm02	12727873	12728873	Gmdrm	hypo	CHH	-0.0534
Gm02	12728890	12729863	Gmdrm	hypo	CHH	-0.0442
Gm02	12737459	12738459	Gmdrm	hypo	CHH	-0.0772
Gm02	12738508	12739496	Gmdrm	hypo	CHH	-0.0871
Gm02	12744003	12745001	Gmdrm	hypo	CHH	-0.0558
Gm02	12760859	12761851	Gmdrm	hypo	CHH	-0.0542
Gm02	12763882	12764587	Gmdrm	hypo	CHH	-0.0179
Gm02	12770530	12770775	Gmdrm	hypo	CHH	-0.0437
Gm02	12774684	12775648	Gmdrm	hypo	CHH	-0.0187
Gm02	12775688	12776684	Gmdrm	hypo	CHH	-0.068
Gm02	12776698	12777649	Gmdrm	hypo	CHH	-0.0663
Gm02	12778691	12779682	Gmdrm	hypo	CHH	-0.0487
Gm02	12779712	12780710	Gmdrm	hypo	CHH	-0.0248
Gm02	12781748	12782386	Gmdrm	hypo	CHH	-0.2136
Gm02	12782993	12783983	Gmdrm	hypo	CHH	-0.0758
Gm02	12790282	12791282	Gmdrm	hypo	CHH	-0.0704
Gm02	12791283	12792017	Gmdrm	hypo	CHH	-0.353
Gm02	12816202	12817165	Gmdrm	hypo	CHH	-0.0676
Gm02	12821471	12822469	Gmdrm	hypo	CHH	-0.022
Gm02	12836585	12837568	Gmdrm	hypo	CHH	-0.0188
Gm02	12837605	12838598	Gmdrm	hypo	CHH	-0.0245

Gm02	12843057	12843890	Gmdrm	hypo	CHH	-0.0632
Gm02	12852237	12852742	Gmdrm	hypo	CHH	-0.0215
Gm02	12858305	12859283	Gmdrm	hypo	CHH	-0.0239
Gm02	12859393	12860362	Gmdrm	hypo	CHH	-0.0166
Gm02	12866453	12867433	Gmdrm	hypo	CHH	-0.02
Gm02	12869255	12870254	Gmdrm	hypo	CHH	-0.0139
Gm02	12870260	12871260	Gmdrm	hypo	CHH	-0.0397
Gm02	12893232	12894223	Gmdrm	hypo	CHH	-0.0322
Gm02	12895990	12896975	Gmdrm	hypo	CHH	-0.1727
Gm02	12897008	12897448	Gmdrm	hypo	CHH	-0.0696
Gm02	12908067	12908892	Gmdrm	hypo	CHH	-0.035
Gm02	12911861	12912860	Gmdrm	hypo	CHH	-0.0979
Gm02	12912886	12913882	Gmdrm	hypo	CHH	-0.061
Gm02	12919209	12920190	Gmdrm	hypo	CHH	-0.0465
Gm02	12927864	12928861	Gmdrm	hypo	CHH	-0.0249
Gm02	12930888	12931870	Gmdrm	hypo	CHH	-0.0537
Gm02	12947749	12948180	Gmdrm	hypo	CHH	-0.1718
Gm02	12951737	12952733	Gmdrm	hypo	CHH	-0.083
Gm02	12961864	12962822	Gmdrm	hypo	CHH	-0.0191
Gm02	12967539	12968520	Gmdrm	hypo	CHH	-0.0231
Gm02	12970122	12971114	Gmdrm	hypo	CHH	-0.0343
Gm02	12975344	12976335	Gmdrm	hypo	CHH	-0.0531
Gm02	12989183	12990182	Gmdrm	hypo	CHH	-0.0765
Gm02	12991005	12991999	Gmdrm	hypo	CHH	-0.0145
Gm02	12992032	12992772	Gmdrm	hypo	CHH	-0.0206
Gm02	13001607	13002586	Gmdrm	hypo	CHH	-0.0166
Gm02	13017768	13018758	Gmdrm	hypo	CHH	-0.0367
Gm02	13018769	13019747	Gmdrm	hypo	CHH	-0.0403
Gm02	13023206	13024186	Gmdrm	hypo	CHH	-0.0573
Gm02	13024208	13025197	Gmdrm	hypo	CHH	-0.0508
Gm02	13027635	13028415	Gmdrm	hypo	CHH	-0.0645
Gm02	13034741	13035716	Gmdrm	hypo	CHH	-0.1231
Gm02	13047287	13048282	Gmdrm	hypo	CHH	-0.0992
Gm02	13049311	13050282	Gmdrm	hypo	CHH	-0.0432
Gm02	13056740	13057733	Gmdrm	hypo	CHH	-0.0846
Gm02	13057747	13058745	Gmdrm	hypo	CHH	-0.0518
Gm02	13059751	13060750	Gmdrm	hypo	CHH	-0.0149
Gm02	13064507	13065190	Gmdrm	hypo	CHH	-0.0242
Gm02	13070408	13071395	Gmdrm	hypo	CHH	-0.0708
Gm02	13071426	13072420	Gmdrm	hypo	CHH	-0.045
Gm02	13080646	13081638	Gmdrm	hypo	CHH	-0.0565
Gm02	13081661	13082646	Gmdrm	hypo	CHH	-0.0356
Gm02	13086696	13087681	Gmdrm	hypo	CHH	-0.0288
Gm02	13087706	13088581	Gmdrm	hypo	CHH	-0.0379
Gm02	13091029	13092029	Gmdrm	hypo	CHH	-0.055
Gm02	13114105	13115105	Gmdrm	hypo	CHH	-0.021

Gm02	13115109	13116105	Gmdrm	hypo	CHH	-0.0527
Gm02	13117094	13117641	Gmdrm	hypo	CHH	-0.1494
Gm02	13120845	13121034	Gmdrm	hypo	CHH	-0.0594
Gm02	13121344	13122342	Gmdrm	hypo	CHH	-0.0266
Gm02	13124363	13125363	Gmdrm	hypo	CHH	-0.0179
Gm02	13129043	13130042	Gmdrm	hypo	CHH	-0.0504
Gm02	13137110	13138108	Gmdrm	hypo	CHH	-0.0785
Gm02	13138116	13138304	Gmdrm	hypo	CHH	-0.1225
Gm02	13142892	13143891	Gmdrm	hypo	CHH	-0.0099
Gm02	13150771	13151767	Gmdrm	hypo	CHH	-0.0251
Gm02	13151779	13152764	Gmdrm	hypo	CHH	-0.1497
Gm02	13154812	13155809	Gmdrm	hypo	CHH	-0.0854
Gm02	13155825	13156818	Gmdrm	hypo	CHH	-0.0195
Gm02	13156855	13157854	Gmdrm	hypo	CHH	-0.0667
Gm02	13157861	13158463	Gmdrm	hypo	CHH	-0.0394
Gm02	13453989	13454284	Gmdrm	hypo	CHH	-0.0382
Gm02	13455694	13456169	Gmdrm	hypo	CHH	-0.0443
Gm02	13467008	13467480	Gmdrm	hypo	CHH	-0.0592
Gm02	13468259	13468491	Gmdrm	hypo	CHH	-0.0391
Gm02	13468605	13469032	Gmdrm	hypo	CHH	-0.0699
Gm02	13497164	13498164	Gmdrm	hypo	CHH	-0.0602
Gm02	13509357	13509647	Gmdrm	hypo	CHH	-0.1114
Gm02	13511495	13511810	Gmdrm	hypo	CHH	-0.0904
Gm02	13523013	13524008	Gmdrm	hypo	CHH	-0.0482
Gm02	13524017	13524862	Gmdrm	hypo	CHH	-0.0744
Gm02	13525552	13526525	Gmdrm	hypo	CHH	-0.088
Gm02	13541006	13542006	Gmdrm	hypo	CHH	-0.0503
Gm02	13542008	13542660	Gmdrm	hypo	CHH	-0.0624
Gm02	13543030	13543557	Gmdrm	hypo	CHH	-0.046
Gm02	13545090	13545516	Gmdrm	hypo	CHH	-0.0484
Gm02	13545725	13545775	Gmdrm	hypo	CHH	-0.092
Gm02	13556050	13556799	Gmdrm	hypo	CHH	-0.0812
Gm02	13557070	13557978	Gmdrm	hypo	CHH	-0.0729
Gm02	13571881	13572214	Gmdrm	hypo	CHH	-0.0443
Gm02	13574825	13575813	Gmdrm	hypo	CHH	-0.0317
Gm02	13585739	13586464	Gmdrm	hypo	CHH	-0.0484
Gm02	13586682	13587521	Gmdrm	hypo	CHH	-0.0603
Gm02	13587911	13588906	Gmdrm	hypo	CHH	-0.0517
Gm02	13617623	13618611	Gmdrm	hypo	CHH	-0.0536
Gm02	13619008	13619783	Gmdrm	hypo	CHH	-0.0729
Gm02	13647349	13648319	Gmdrm	hypo	CHH	-0.036
Gm02	13649507	13650506	Gmdrm	hypo	CHH	-0.0429
Gm02	13661863	13662129	Gmdrm	hypo	CHH	-0.1593
Gm02	13663205	13663445	Gmdrm	hypo	CHH	-0.0679
Gm02	13664714	13665708	Gmdrm	hypo	CHH	-0.0542
Gm02	13954567	13955514	Gmdrm	hypo	CHH	-0.0205

Gm02	13956722	13957721	Gmdrm	hypo	CHH	-0.0532
Gm02	13957724	13958724	Gmdrm	hypo	CHH	-0.0199
Gm02	13958728	13959689	Gmdrm	hypo	CHH	-0.0734
Gm02	13959735	13960718	Gmdrm	hypo	CHH	-0.0789
Gm02	13960737	13961736	Gmdrm	hypo	CHH	-0.0486
Gm02	13964258	13965249	Gmdrm	hypo	CHH	-0.0258
Gm02	13965263	13966260	Gmdrm	hypo	CHH	-0.0849
Gm02	13966516	13967481	Gmdrm	hypo	CHH	-0.0176
Gm02	13968604	13969589	Gmdrm	hypo	CHH	-0.0206
Gm02	13990693	13991543	Gmdrm	hypo	CHH	-0.0173
Gm02	13998958	13999782	Gmdrm	hypo	CHH	-0.0719
Gm02	14000285	14000351	Gmdrm	hypo	CHH	-0.1723
Gm02	14000473	14001466	Gmdrm	hypo	CHH	-0.0639
Gm02	14006116	14007116	Gmdrm	hypo	CHH	-0.0662
Gm02	14007118	14008115	Gmdrm	hypo	CHH	-0.0419
Gm02	14008119	14009108	Gmdrm	hypo	CHH	-0.0254
Gm02	14012492	14013489	Gmdrm	hypo	CHH	-0.0602
Gm02	14013497	14014485	Gmdrm	hypo	CHH	-0.0221
Gm02	14015682	14016248	Gmdrm	hypo	CHH	-0.016
Gm02	14027125	14028124	Gmdrm	hypo	CHH	-0.0388
Gm02	14052013	14052983	Gmdrm	hypo	CHH	-0.0229
Gm02	14055870	14056869	Gmdrm	hypo	CHH	-0.0333
Gm02	14056871	14057864	Gmdrm	hypo	CHH	-0.1335
Gm02	14061672	14062344	Gmdrm	hypo	CHH	-0.0261
Gm02	14065380	14066369	Gmdrm	hypo	CHH	-0.0175
Gm02	14066390	14067379	Gmdrm	hypo	CHH	-0.083
Gm02	14067391	14068390	Gmdrm	hypo	CHH	-0.0393
Gm02	14068392	14069389	Gmdrm	hypo	CHH	-0.0137
Gm02	14069400	14070400	Gmdrm	hypo	CHH	-0.2419
Gm02	14075725	14076723	Gmdrm	hypo	CHH	-0.0791
Gm02	14077748	14078697	Gmdrm	hypo	CHH	-0.1011
Gm02	14095238	14096238	Gmdrm	hypo	CHH	-0.0213
Gm02	14097114	14097663	Gmdrm	hypo	CHH	-0.015
Gm02	14099945	14100919	Gmdrm	hypo	CHH	-0.0554
Gm02	14110041	14111041	Gmdrm	hypo	CHH	-0.173
Gm02	14111045	14111500	Gmdrm	hypo	CHH	-0.1047
Gm02	14112116	14113115	Gmdrm	hypo	CHH	-0.0465
Gm02	14113121	14114106	Gmdrm	hypo	CHH	-0.0229
Gm02	14145903	14146902	Gmdrm	hypo	CHH	-0.0217
Gm02	14146914	14147855	Gmdrm	hypo	CHH	-0.0532
Gm02	14148921	14149246	Gmdrm	hypo	CHH	-0.0179
Gm02	14149357	14149524	Gmdrm	hypo	CHH	-0.0425
Gm02	14157124	14158106	Gmdrm	hypo	CHH	-0.0238
Gm02	14158973	14159346	Gmdrm	hypo	CHH	-0.0924
Gm02	14159618	14160614	Gmdrm	hypo	CHH	-0.0351
Gm02	14161489	14162270	Gmdrm	hypo	CHH	-0.1374

Gm02	14162387	14162905	Gmdrm	hypo	CHH	-0.0834
Gm02	14163593	14164584	Gmdrm	hypo	CHH	-0.0904
Gm02	14164627	14164991	Gmdrm	hypo	CHH	-0.0455
Gm02	14168733	14169728	Gmdrm	hypo	CHH	-0.0556
Gm02	14170101	14171101	Gmdrm	hypo	CHH	-0.0467
Gm02	14173582	14173966	Gmdrm	hypo	CHH	-0.1063
Gm02	14175162	14176162	Gmdrm	hypo	CHH	-0.2531
Gm02	14176183	14177183	Gmdrm	hypo	CHH	-0.1038
Gm02	14187619	14188617	Gmdrm	hypo	CHH	-0.0399
Gm02	14188628	14189606	Gmdrm	hypo	CHH	-0.1399
Gm02	14191033	14192020	Gmdrm	hypo	CHH	-0.0306
Gm02	14193307	14194294	Gmdrm	hypo	CHH	-0.0312
Gm02	14209086	14210042	Gmdrm	hypo	CHH	-0.0176
Gm02	14227970	14228969	Gmdrm	hypo	CHH	-0.0096
Gm02	14232234	14233231	Gmdrm	hypo	CHH	-0.0282
Gm02	14233236	14234231	Gmdrm	hypo	CHH	-0.0588
Gm02	14236255	14237250	Gmdrm	hypo	CHH	-0.0334
Gm02	14237258	14238255	Gmdrm	hypo	CHH	-0.0314
Gm02	14238274	14239273	Gmdrm	hypo	CHH	-0.0445
Gm02	14253774	14254752	Gmdrm	hypo	CHH	-0.0149
Gm02	14254796	14255774	Gmdrm	hypo	CHH	-0.0199
Gm02	14267622	14268615	Gmdrm	hypo	CHH	-0.2132
Gm02	14268625	14269621	Gmdrm	hypo	CHH	-0.1186
Gm02	14271424	14272417	Gmdrm	hypo	CHH	-0.0169
Gm02	14276808	14277791	Gmdrm	hypo	CHH	-0.1617
Gm02	14277844	14277913	Gmdrm	hypo	CHH	-0.0567
Gm02	14283633	14284593	Gmdrm	hypo	CHH	-0.0273
Gm02	14291990	14292232	Gmdrm	hypo	CHH	-0.0243
Gm02	14294964	14295189	Gmdrm	hypo	CHH	-0.05
Gm02	14296073	14297069	Gmdrm	hypo	CHH	-0.2418
Gm02	14297078	14298078	Gmdrm	hypo	CHH	-0.2086
Gm02	14298082	14299081	Gmdrm	hypo	CHH	-0.0799
Gm02	14299084	14300003	Gmdrm	hypo	CHH	-0.0931
Gm02	14312184	14313158	Gmdrm	hypo	CHH	-0.0272
Gm02	14313190	14314190	Gmdrm	hypo	CHH	-0.1401
Gm02	14314199	14315195	Gmdrm	hypo	CHH	-0.1533
Gm02	14315210	14316206	Gmdrm	hypo	CHH	-0.0358
Gm02	14317239	14317423	Gmdrm	hypo	CHH	-0.024
Gm02	14321675	14322664	Gmdrm	hypo	CHH	-0.0232
Gm02	14327716	14328701	Gmdrm	hypo	CHH	-0.1046
Gm02	14336657	14337653	Gmdrm	hypo	CHH	-0.0187
Gm02	14367215	14368211	Gmdrm	hypo	CHH	-0.0153
Gm02	14371452	14372436	Gmdrm	hypo	CHH	-0.0142
Gm02	14375314	14376312	Gmdrm	hypo	CHH	-0.055
Gm02	14384370	14385369	Gmdrm	hypo	CHH	-0.0768
Gm02	14385373	14385992	Gmdrm	hypo	CHH	-0.0483

Gm02	14393002	14393979 Gmdrm	hypo	CHH	-0.0173
Gm02	14398541	14399540 Gmdrm	hypo	CHH	-0.015
Gm02	14399543	14400088 Gmdrm	hypo	CHH	-0.0569
Gm02	14401914	14402912 Gmdrm	hypo	CHH	-0.1873
Gm02	14402925	14403918 Gmdrm	hypo	CHH	-0.018
Gm02	14425530	14426503 Gmdrm	hypo	CHH	-0.0633
Gm02	14427544	14428533 Gmdrm	hypo	CHH	-0.0153
Gm02	14450023	14451017 Gmdrm	hypo	CHH	-0.0256
Gm02	14467167	14467728 Gmdrm	hypo	CHH	-0.0245
Gm02	14486097	14487097 Gmdrm	hypo	CHH	-0.012
Gm02	14487099	14488010 Gmdrm	hypo	CHH	-0.0273
Gm02	14494406	14495401 Gmdrm	hypo	CHH	-0.0522
Gm02	14499887	14500670 Gmdrm	hypo	CHH	-0.0289
Gm02	14504780	14505778 Gmdrm	hypo	CHH	-0.0429
Gm02	14505784	14506780 Gmdrm	hypo	CHH	-0.0656
Gm02	14506790	14507785 Gmdrm	hypo	CHH	-0.0223
Gm02	14510823	14511819 Gmdrm	hypo	CHH	-0.0137
Gm02	14512867	14513861 Gmdrm	hypo	CHH	-0.0275
Gm02	14513868	14514866 Gmdrm	hypo	CHH	-0.0327
Gm02	14514869	14515866 Gmdrm	hypo	CHH	-0.0263
Gm02	14523038	14524015 Gmdrm	hypo	CHH	-0.0237
Gm02	14525049	14526047 Gmdrm	hypo	CHH	-0.1685
Gm02	14526050	14526989 Gmdrm	hypo	CHH	-0.1194
Gm02	14527072	14528072 Gmdrm	hypo	CHH	-0.1558
Gm02	14528074	14528388 Gmdrm	hypo	CHH	-0.0344
Gm02	14530578	14531571 Gmdrm	hypo	CHH	-0.0284
Gm02	14539713	14540681 Gmdrm	hypo	CHH	-0.0248
Gm02	14540753	14541748 Gmdrm	hypo	CHH	-0.1943
Gm02	14541759	14542061 Gmdrm	hypo	CHH	-0.1536
Gm02	14542177	14543120 Gmdrm	hypo	CHH	-0.1951
Gm02	14543223	14544222 Gmdrm	hypo	CHH	-0.07
Gm02	14544228	14545226 Gmdrm	hypo	CHH	-0.2975
Gm02	14547130	14547342 Gmdrm	hypo	CHH	-0.0353
Gm02	14548560	14549522 Gmdrm	hypo	CHH	-0.021
Gm02	14560184	14561183 Gmdrm	hypo	CHH	-0.0672
Gm02	14565813	14566798 Gmdrm	hypo	CHH	-0.0517
Gm02	14569458	14570405 Gmdrm	hypo	CHH	-0.0204
Gm02	14570460	14571444 Gmdrm	hypo	CHH	-0.0267
Gm02	14571483	14572408 Gmdrm	hypo	CHH	-0.0214
Gm02	14584599	14585593 Gmdrm	hypo	CHH	-0.0266
Gm02	14588946	14589917 Gmdrm	hypo	CHH	-0.074
Gm02	14591963	14592954 Gmdrm	hypo	CHH	-0.0155
Gm02	14594472	14595458 Gmdrm	hypo	CHH	-0.0144
Gm02	14606642	14607628 Gmdrm	hypo	CHH	-0.018
Gm02	14607656	14608653 Gmdrm	hypo	CHH	-0.0198
Gm02	14621933	14622930 Gmdrm	hypo	CHH	-0.0619

Gm02	14642654	14642698	Gmdrm	hypo	CHH	-0.0375
Gm02	14644318	14645276	Gmdrm	hypo	CHH	-0.0852
Gm02	14648178	14648566	Gmdrm	hypo	CHH	-0.1229
Gm02	14653625	14654613	Gmdrm	hypo	CHH	-0.0172
Gm02	14654642	14655628	Gmdrm	hypo	CHH	-0.0115
Gm02	14659082	14660057	Gmdrm	hypo	CHH	-0.0179
Gm02	14674194	14675185	Gmdrm	hypo	CHH	-0.0929
Gm02	14676104	14677099	Gmdrm	hypo	CHH	-0.0315
Gm02	14680183	14681166	Gmdrm	hypo	CHH	-0.1055
Gm02	14692956	14693919	Gmdrm	hypo	CHH	-0.0267
Gm02	14701580	14701789	Gmdrm	hypo	CHH	-0.0936
Gm02	14708541	14709533	Gmdrm	hypo	CHH	-0.0149
Gm02	14709548	14710534	Gmdrm	hypo	CHH	-0.022
Gm02	14719631	14720629	Gmdrm	hypo	CHH	-0.0259
Gm02	14736100	14737062	Gmdrm	hypo	CHH	-0.0934
Gm02	14741142	14741193	Gmdrm	hypo	CHH	-0.058
Gm02	14744426	14745423	Gmdrm	hypo	CHH	-0.0167
Gm02	14745437	14746430	Gmdrm	hypo	CHH	-0.0641
Gm02	14746442	14747429	Gmdrm	hypo	CHH	-0.0455
Gm02	14773514	14774364	Gmdrm	hypo	CHH	-0.0115
Gm02	14778210	14778759	Gmdrm	hypo	CHH	-0.0198
Gm02	14782918	14783899	Gmdrm	hypo	CHH	-0.0238
Gm02	14788606	14789452	Gmdrm	hypo	CHH	-0.0216
Gm02	14790782	14791775	Gmdrm	hypo	CHH	-0.0377
Gm02	14791786	14792784	Gmdrm	hypo	CHH	-0.1314
Gm02	14792861	14792885	Gmdrm	hypo	CHH	-0.024
Gm02	14796641	14797368	Gmdrm	hypo	CHH	-0.0152
Gm02	14800884	14801882	Gmdrm	hypo	CHH	-0.231
Gm02	14802402	14803378	Gmdrm	hypo	CHH	-0.0177
Gm02	14822043	14823039	Gmdrm	hypo	CHH	-0.1038
Gm02	14824080	14825079	Gmdrm	hypo	CHH	-0.0342
Gm02	14826108	14827095	Gmdrm	hypo	CHH	-0.035
Gm02	14827557	14828552	Gmdrm	hypo	CHH	-0.0363
Gm02	14829563	14830563	Gmdrm	hypo	CHH	-0.0142
Gm02	14835568	14836553	Gmdrm	hypo	CHH	-0.141
Gm02	14845791	14846780	Gmdrm	hypo	CHH	-0.0319
Gm02	14846796	14847768	Gmdrm	hypo	CHH	-0.0201
Gm02	14851182	14852172	Gmdrm	hypo	CHH	-0.038
Gm02	14855951	14856950	Gmdrm	hypo	CHH	-0.1173
Gm02	14856952	14857949	Gmdrm	hypo	CHH	-0.0291
Gm02	14858964	14859960	Gmdrm	hypo	CHH	-0.0355
Gm02	14859987	14860951	Gmdrm	hypo	CHH	-0.0155
Gm02	14865018	14866012	Gmdrm	hypo	CHH	-0.0165
Gm02	14867033	14868032	Gmdrm	hypo	CHH	-0.0182
Gm02	14868034	14868294	Gmdrm	hypo	CHH	-0.0528
Gm02	14883530	14884505	Gmdrm	hypo	CHH	-0.0192

Gm02	14886596	14887586	Gmdrm	hypo	CHH	-0.0095
Gm02	14908963	14909167	Gmdrm	hypo	CHH	-0.046
Gm02	14909270	14909762	Gmdrm	hypo	CHH	-0.0281
Gm02	14911867	14912836	Gmdrm	hypo	CHH	-0.0153
Gm02	14919932	14920928	Gmdrm	hypo	CHH	-0.0397
Gm02	14920946	14921415	Gmdrm	hypo	CHH	-0.0911
Gm02	14921573	14922492	Gmdrm	hypo	CHH	-0.1813
Gm02	14935751	14936300	Gmdrm	hypo	CHH	-0.0238
Gm02	14958357	14959336	Gmdrm	hypo	CHH	-0.0208
Gm02	14964728	14965398	Gmdrm	hypo	CHH	-0.0321
Gm02	14965706	14966697	Gmdrm	hypo	CHH	-0.0881
Gm02	14973968	14974962	Gmdrm	hypo	CHH	-0.0231
Gm02	14975923	14976920	Gmdrm	hypo	CHH	-0.1596
Gm02	14976926	14977925	Gmdrm	hypo	CHH	-0.1543
Gm02	14987397	14988307	Gmdrm	hypo	CHH	-0.1455
Gm02	14988404	14989401	Gmdrm	hypo	CHH	-0.0684
Gm02	15006157	15007154	Gmdrm	hypo	CHH	-0.0191
Gm02	15010176	15011159	Gmdrm	hypo	CHH	-0.0362
Gm02	15023289	15024288	Gmdrm	hypo	CHH	-0.0147
Gm02	15026314	15027291	Gmdrm	hypo	CHH	-0.1116
Gm02	15044777	15045746	Gmdrm	hypo	CHH	-0.0804
Gm02	15045790	15046760	Gmdrm	hypo	CHH	-0.0399
Gm02	15058046	15059045	Gmdrm	hypo	CHH	-0.1805
Gm02	15059048	15060022	Gmdrm	hypo	CHH	-0.0496
Gm02	15076026	15077020	Gmdrm	hypo	CHH	-0.024
Gm02	15081769	15082766	Gmdrm	hypo	CHH	-0.0382
Gm02	15093019	15094009	Gmdrm	hypo	CHH	-0.0331
Gm02	15095025	15095531	Gmdrm	hypo	CHH	-0.0125
Gm02	15100143	15101139	Gmdrm	hypo	CHH	-0.0095
Gm02	15111276	15111993	Gmdrm	hypo	CHH	-0.0195
Gm02	15115724	15116707	Gmdrm	hypo	CHH	-0.0246
Gm02	15127113	15128110	Gmdrm	hypo	CHH	-0.0654
Gm02	15129035	15130035	Gmdrm	hypo	CHH	-0.0781
Gm02	15157700	15158683	Gmdrm	hypo	CHH	-0.0162
Gm02	15159708	15160627	Gmdrm	hypo	CHH	-0.0223
Gm02	15168380	15169356	Gmdrm	hypo	CHH	-0.0348
Gm02	15187919	15188918	Gmdrm	hypo	CHH	-0.1568
Gm02	15188922	15189919	Gmdrm	hypo	CHH	-0.3576
Gm02	15189924	15190914	Gmdrm	hypo	CHH	-0.0171
Gm02	15190947	15191946	Gmdrm	hypo	CHH	-0.0387
Gm02	15227537	15228537	Gmdrm	hypo	CHH	-0.0226
Gm02	15229586	15230584	Gmdrm	hypo	CHH	-0.0188
Gm02	15230596	15231581	Gmdrm	hypo	CHH	-0.0955
Gm02	15258205	15259181	Gmdrm	hypo	CHH	-0.0113
Gm02	15264051	15265045	Gmdrm	hypo	CHH	-0.0172
Gm02	15267993	15268979	Gmdrm	hypo	CHH	-0.0191

Gm02	15272047	15272461	Gmdrm	hypo	CHH	-0.0583
Gm02	15288834	15289834	Gmdrm	hypo	CHH	-0.0267
Gm02	15297213	15297422	Gmdrm	hypo	CHH	-0.0463
Gm02	15298269	15298638	Gmdrm	hypo	CHH	-0.1576
Gm02	15298739	15298874	Gmdrm	hypo	CHH	-0.3895
Gm02	15302114	15302379	Gmdrm	hypo	CHH	-0.221
Gm02	15310058	15311055	Gmdrm	hypo	CHH	-0.0154
Gm02	15319776	15320764	Gmdrm	hypo	CHH	-0.0162
Gm02	15324864	15325849	Gmdrm	hypo	CHH	-0.0243
Gm02	15333897	15334872	Gmdrm	hypo	CHH	-0.0944
Gm02	15334913	15335883	Gmdrm	hypo	CHH	-0.1343
Gm02	15336800	15336863	Gmdrm	hypo	CHH	-0.0629
Gm02	15340342	15341277	Gmdrm	hypo	CHH	-0.0443
Gm02	15354668	15355665	Gmdrm	hypo	CHH	-0.0385
Gm02	15356971	15357428	Gmdrm	hypo	CHH	-0.0167
Gm02	15359597	15360597	Gmdrm	hypo	CHH	-0.0295
Gm02	15374811	15375208	Gmdrm	hypo	CHH	-0.0541
Gm02	15376724	15377710	Gmdrm	hypo	CHH	-0.0366
Gm02	15382817	15383804	Gmdrm	hypo	CHH	-0.0446
Gm02	15383825	15384819	Gmdrm	hypo	CHH	-0.0372
Gm02	15399541	15400499	Gmdrm	hypo	CHH	-0.0503
Gm02	15400542	15401104	Gmdrm	hypo	CHH	-0.0331
Gm02	15402218	15403216	Gmdrm	hypo	CHH	-0.0161
Gm02	15404370	15405362	Gmdrm	hypo	CHH	-0.0291
Gm02	15405821	15406041	Gmdrm	hypo	CHH	-0.0427
Gm02	15427028	15428026	Gmdrm	hypo	CHH	-0.0471
Gm02	15434071	15435070	Gmdrm	hypo	CHH	-0.0134
Gm02	15435077	15435796	Gmdrm	hypo	CHH	-0.0705
Gm02	15438657	15439103	Gmdrm	hypo	CHH	-0.02
Gm02	15446777	15447734	Gmdrm	hypo	CHH	-0.0123
Gm02	15451215	15452203	Gmdrm	hypo	CHH	-0.0178
Gm02	15452227	15452562	Gmdrm	hypo	CHH	-0.0308
Gm02	15475706	15476705	Gmdrm	hypo	CHH	-0.1038
Gm02	15477711	15478710	Gmdrm	hypo	CHH	-0.0973
Gm02	15478714	15479706	Gmdrm	hypo	CHH	-0.0998
Gm02	15489049	15490042	Gmdrm	hypo	CHH	-0.0218
Gm02	15498908	15499907	Gmdrm	hypo	CHH	-0.0241
Gm02	15504727	15505702	Gmdrm	hypo	CHH	-0.0252
Gm02	15506838	15506914	Gmdrm	hypo	CHH	-0.0275
Gm02	15514993	15515954	Gmdrm	hypo	CHH	-0.017
Gm02	15525284	15526082	Gmdrm	hypo	CHH	-0.02
Gm02	15533473	15534466	Gmdrm	hypo	CHH	-0.1562
Gm02	15534475	15535450	Gmdrm	hypo	CHH	-0.0116
Gm02	15553481	15554481	Gmdrm	hypo	CHH	-0.0159
Gm02	15554485	15555484	Gmdrm	hypo	CHH	-0.0505
Gm02	15571186	15572169	Gmdrm	hypo	CHH	-0.1134

Gm02	15572193	15572565	Gmdrm	hypo	CHH	-0.0973
Gm02	15575654	15576642	Gmdrm	hypo	CHH	-0.0915
Gm02	15576657	15577656	Gmdrm	hypo	CHH	-0.0723
Gm02	15579159	15580143	Gmdrm	hypo	CHH	-0.2002
Gm02	15601532	15602519	Gmdrm	hypo	CHH	-0.3324
Gm02	15602553	15603541	Gmdrm	hypo	CHH	-0.0453
Gm02	15609313	15610279	Gmdrm	hypo	CHH	-0.0228
Gm02	15614446	15615433	Gmdrm	hypo	CHH	-0.0159
Gm02	15617649	15618646	Gmdrm	hypo	CHH	-0.0216
Gm02	15618657	15619019	Gmdrm	hypo	CHH	-0.141
Gm02	15628135	15629128	Gmdrm	hypo	CHH	-0.0227
Gm02	15632266	15632355	Gmdrm	hypo	CHH	-0.03
Gm02	15633518	15634504	Gmdrm	hypo	CHH	-0.022
Gm02	15642890	15643881	Gmdrm	hypo	CHH	-0.1615
Gm02	15658102	15659068	Gmdrm	hypo	CHH	-0.011
Gm02	15668070	15669066	Gmdrm	hypo	CHH	-0.0941
Gm02	15669072	15670072	Gmdrm	hypo	CHH	-0.1979
Gm02	15670073	15671066	Gmdrm	hypo	CHH	-0.1124
Gm02	15676383	15677373	Gmdrm	hypo	CHH	-0.0337
Gm02	15680806	15681304	Gmdrm	hypo	CHH	-0.0423
Gm02	15686866	15687197	Gmdrm	hypo	CHH	-0.0429
Gm02	15690464	15691449	Gmdrm	hypo	CHH	-0.0819
Gm02	15698917	15699915	Gmdrm	hypo	CHH	-0.0147
Gm02	15699921	15700311	Gmdrm	hypo	CHH	-0.142
Gm02	15706346	15707055	Gmdrm	hypo	CHH	-0.0135
Gm02	15708160	15709158	Gmdrm	hypo	CHH	-0.0889
Gm02	15709162	15709941	Gmdrm	hypo	CHH	-0.0267
Gm02	15711269	15712263	Gmdrm	hypo	CHH	-0.025
Gm02	15713744	15714736	Gmdrm	hypo	CHH	-0.0819
Gm02	15714749	15715721	Gmdrm	hypo	CHH	-0.0386
Gm02	15720029	15720582	Gmdrm	hypo	CHH	-0.1656
Gm02	15726613	15727609	Gmdrm	hypo	CHH	-0.1129
Gm02	15727616	15728287	Gmdrm	hypo	CHH	-0.0566
Gm02	15729431	15730423	Gmdrm	hypo	CHH	-0.0175
Gm02	15731455	15732425	Gmdrm	hypo	CHH	-0.0362
Gm02	15733609	15734601	Gmdrm	hypo	CHH	-0.0299
Gm02	15734616	15735611	Gmdrm	hypo	CHH	-0.0395
Gm02	15737195	15738151	Gmdrm	hypo	CHH	-0.0286
Gm02	15750941	15751928	Gmdrm	hypo	CHH	-0.0138
Gm02	15787955	15788955	Gmdrm	hypo	CHH	-0.3498
Gm02	15788958	15789953	Gmdrm	hypo	CHH	-0.1035
Gm02	15794296	15795295	Gmdrm	hypo	CHH	-0.0867
Gm02	15799135	15800130	Gmdrm	hypo	CHH	-0.0315
Gm02	15809753	15810752	Gmdrm	hypo	CHH	-0.1043
Gm02	15810765	15811070	Gmdrm	hypo	CHH	-0.0869
Gm02	15835619	15836601	Gmdrm	hypo	CHH	-0.0138

Gm02	15837160	15837242	Gmdrm	hypo	CHH	-0.024
Gm02	15843809	15844460	Gmdrm	hypo	CHH	-0.0295
Gm02	15844591	15845567	Gmdrm	hypo	CHH	-0.017
Gm02	15858281	15859277	Gmdrm	hypo	CHH	-0.0553
Gm02	15859283	15860080	Gmdrm	hypo	CHH	-0.0336
Gm02	15864334	15865325	Gmdrm	hypo	CHH	-0.0471
Gm02	15870326	15871314	Gmdrm	hypo	CHH	-0.1256
Gm02	15871333	15872319	Gmdrm	hypo	CHH	-0.0236
Gm02	15893809	15894807	Gmdrm	hypo	CHH	-0.0163
Gm02	15896827	15897818	Gmdrm	hypo	CHH	-0.0082
Gm02	15899288	15900070	Gmdrm	hypo	CHH	-0.0934
Gm02	15900423	15901382	Gmdrm	hypo	CHH	-0.0327
Gm02	15906372	15906512	Gmdrm	hypo	CHH	-0.0254
Gm02	15923929	15924573	Gmdrm	hypo	CHH	-0.0145
Gm02	15931009	15932007	Gmdrm	hypo	CHH	-0.0771
Gm02	15937525	15938501	Gmdrm	hypo	CHH	-0.0163
Gm02	15944678	15945374	Gmdrm	hypo	CHH	-0.0193
Gm02	15950900	15951235	Gmdrm	hypo	CHH	-0.08
Gm02	15952353	15953302	Gmdrm	hypo	CHH	-0.0115
Gm02	15961178	15962119	Gmdrm	hypo	CHH	-0.0278
Gm02	15985666	15986666	Gmdrm	hypo	CHH	-0.0219
Gm02	15987663	15988598	Gmdrm	hypo	CHH	-0.02
Gm02	15995768	15995935	Gmdrm	hypo	CHH	-0.0237
Gm02	15997082	15998058	Gmdrm	hypo	CHH	-0.053
Gm02	15998088	15999087	Gmdrm	hypo	CHH	-0.0439
Gm02	16004701	16005657	Gmdrm	hypo	CHH	-0.0311
Gm02	16017284	16018261	Gmdrm	hypo	CHH	-0.0878
Gm02	16021100	16022097	Gmdrm	hypo	CHH	-0.1898
Gm02	16022101	16023077	Gmdrm	hypo	CHH	-0.1655
Gm02	16029113	16030074	Gmdrm	hypo	CHH	-0.0264
Gm02	16032471	16033467	Gmdrm	hypo	CHH	-0.4731
Gm02	16034521	16035518	Gmdrm	hypo	CHH	-0.3493
Gm02	16040543	16041511	Gmdrm	hypo	CHH	-0.0194
Gm02	16047327	16048324	Gmdrm	hypo	CHH	-0.0703
Gm02	16049352	16050349	Gmdrm	hypo	CHH	-0.0348
Gm02	16056065	16057063	Gmdrm	hypo	CHH	-0.0146
Gm02	16058993	16059966	Gmdrm	hypo	CHH	-0.039
Gm02	16063142	16063863	Gmdrm	hypo	CHH	-0.0929
Gm02	16087863	16088853	Gmdrm	hypo	CHH	-0.0525
Gm02	16088864	16089692	Gmdrm	hypo	CHH	-0.0646
Gm02	16095444	16096443	Gmdrm	hypo	CHH	-0.2899
Gm02	16096454	16097451	Gmdrm	hypo	CHH	-0.1921
Gm02	16107606	16108199	Gmdrm	hypo	CHH	-0.0145
Gm02	16114263	16114876	Gmdrm	hypo	CHH	-0.0197
Gm02	16123830	16124828	Gmdrm	hypo	CHH	-0.0118
Gm02	16127881	16128880	Gmdrm	hypo	CHH	-0.0179

Gm02	16135593	16136583	Gmdrm	hypo	CHH	-0.037
Gm02	16146062	16147054	Gmdrm	hypo	CHH	-0.064
Gm02	16151713	16152700	Gmdrm	hypo	CHH	-0.0183
Gm02	16161585	16162574	Gmdrm	hypo	CHH	-0.0526
Gm02	16162591	16163557	Gmdrm	hypo	CHH	-0.0494
Gm02	16164623	16165618	Gmdrm	hypo	CHH	-0.0604
Gm02	16170797	16171763	Gmdrm	hypo	CHH	-0.0291
Gm02	16175486	16176474	Gmdrm	hypo	CHH	-0.0241
Gm02	16178465	16179464	Gmdrm	hypo	CHH	-0.0518
Gm02	16179471	16180470	Gmdrm	hypo	CHH	-0.0577
Gm02	16180473	16181286	Gmdrm	hypo	CHH	-0.0493
Gm02	16216863	16217826	Gmdrm	hypo	CHH	-0.0128
Gm02	16223050	16223423	Gmdrm	hypo	CHH	-0.035
Gm02	16236086	16236345	Gmdrm	hypo	CHH	-0.0369
Gm02	16241868	16242860	Gmdrm	hypo	CHH	-0.0481
Gm02	16246919	16247516	Gmdrm	hypo	CHH	-0.0289
Gm02	16269313	16270311	Gmdrm	hypo	CHH	-0.0516
Gm02	16270335	16271327	Gmdrm	hypo	CHH	-0.0181
Gm02	16278997	16279994	Gmdrm	hypo	CHH	-0.0181
Gm02	16283062	16284058	Gmdrm	hypo	CHH	-0.2213
Gm02	16303182	16304181	Gmdrm	hypo	CHH	-0.0502
Gm02	16304196	16305192	Gmdrm	hypo	CHH	-0.0676
Gm02	16310679	16311322	Gmdrm	hypo	CHH	-0.0261
Gm02	16321933	16322187	Gmdrm	hypo	CHH	-0.0532
Gm02	16340388	16341372	Gmdrm	hypo	CHH	-0.0157
Gm02	16347299	16347804	Gmdrm	hypo	CHH	-0.0254
Gm02	16362415	16363032	Gmdrm	hypo	CHH	-0.0547
Gm02	16386421	16387421	Gmdrm	hypo	CHH	-0.0615
Gm02	16387432	16388415	Gmdrm	hypo	CHH	-0.1451
Gm02	16389158	16390132	Gmdrm	hypo	CHH	-0.0276
Gm02	16391359	16392359	Gmdrm	hypo	CHH	-0.0141
Gm02	16392450	16393443	Gmdrm	hypo	CHH	-0.0443
Gm02	16393451	16394445	Gmdrm	hypo	CHH	-0.0643
Gm02	16526411	16526713	Gmdrm	hypo	CHH	-0.1638
Gm02	16563546	16564396	Gmdrm	hypo	CHH	-0.0535
Gm02	16734467	16735431	Gmdrm	hypo	CHH	-0.054
Gm02	16735494	16736478	Gmdrm	hypo	CHH	-0.0206
Gm02	16740297	16740849	Gmdrm	hypo	CHH	-0.0548
Gm02	16892484	16893478	Gmdrm	hypo	CHH	-0.0331
Gm02	16915409	16916399	Gmdrm	hypo	CHH	-0.0329
Gm02	16981969	16982966	Gmdrm	hypo	CHH	-0.0483
Gm02	16988757	16989754	Gmdrm	hypo	CHH	-0.0637
Gm02	16990805	16991777	Gmdrm	hypo	CHH	-0.0383
Gm02	17097214	17098210	Gmdrm	hypo	CHH	-0.0201
Gm02	17104281	17104571	Gmdrm	hypo	CHH	-0.0627
Gm02	17113398	17114393	Gmdrm	hypo	CHH	-0.0496

Gm02	17114400	17114618	Gmdrm	hypo	CHH	-0.0584
Gm02	17115771	17116724	Gmdrm	hypo	CHH	-0.03
Gm02	17116858	17117631	Gmdrm	hypo	CHH	-0.0485
Gm02	17208017	17209015	Gmdrm	hypo	CHH	-0.0574
Gm02	17277596	17278596	Gmdrm	hypo	CHH	-0.0248
Gm02	17279609	17280577	Gmdrm	hypo	CHH	-0.0509
Gm02	17280634	17280805	Gmdrm	hypo	CHH	-0.3009
Gm02	17282475	17283145	Gmdrm	hypo	CHH	-0.021
Gm02	17288937	17289937	Gmdrm	hypo	CHH	-0.1183
Gm02	17342880	17343030	Gmdrm	hypo	CHH	-0.0486
Gm02	17344925	17345924	Gmdrm	hypo	CHH	-0.0538
Gm02	17373164	17373911	Gmdrm	hypo	CHH	-0.049
Gm02	17419915	17420915	Gmdrm	hypo	CHH	-0.1134
Gm02	17420920	17421891	Gmdrm	hypo	CHH	-0.0322
Gm02	17428975	17429955	Gmdrm	hypo	CHH	-0.0396
Gm02	17474697	17475696	Gmdrm	hypo	CHH	-0.0828
Gm02	17481312	17482311	Gmdrm	hypo	CHH	-0.0267
Gm02	17544678	17545668	Gmdrm	hypo	CHH	-0.061
Gm02	17545688	17546653	Gmdrm	hypo	CHH	-0.027
Gm02	17550667	17550791	Gmdrm	hypo	CHH	-0.025
Gm02	17555237	17556213	Gmdrm	hypo	CHH	-0.0403
Gm02	17572389	17572913	Gmdrm	hypo	CHH	-0.1482
Gm02	17677851	17678842	Gmdrm	hypo	CHH	-0.0471
Gm02	17730838	17731824	Gmdrm	hypo	CHH	-0.0238
Gm02	17736884	17737878	Gmdrm	hypo	CHH	-0.1608
Gm02	17740970	17741967	Gmdrm	hypo	CHH	-0.0525
Gm02	17741971	17742966	Gmdrm	hypo	CHH	-0.06
Gm02	17774498	17774509	Gmdrm	hypo	CHH	-0.24
Gm02	17871390	17872168	Gmdrm	hypo	CHH	-0.0255
Gm02	17876320	17877300	Gmdrm	hypo	CHH	-0.0175
Gm02	18035051	18036043	Gmdrm	hypo	CHH	-0.0397
Gm02	18041253	18042217	Gmdrm	hypo	CHH	-0.0484
Gm02	18044535	18044838	Gmdrm	hypo	CHH	-0.117
Gm02	18070857	18071857	Gmdrm	hypo	CHH	-0.1853
Gm02	18071865	18072850	Gmdrm	hypo	CHH	-0.1359
Gm02	18104580	18105574	Gmdrm	hypo	CHH	-0.0375
Gm02	18175624	18176612	Gmdrm	hypo	CHH	-0.0298
Gm02	18177283	18178264	Gmdrm	hypo	CHH	-0.0147
Gm02	18210385	18211383	Gmdrm	hypo	CHH	-0.0293
Gm02	18211388	18212373	Gmdrm	hypo	CHH	-0.1389
Gm02	18221498	18222470	Gmdrm	hypo	CHH	-0.0465
Gm02	18230835	18231835	Gmdrm	hypo	CHH	-0.1082
Gm02	18231837	18232811	Gmdrm	hypo	CHH	-0.3495
Gm02	18235364	18236306	Gmdrm	hypo	CHH	-0.1077
Gm02	18242392	18243386	Gmdrm	hypo	CHH	-0.1173
Gm02	18244414	18245408	Gmdrm	hypo	CHH	-0.1255

Gm02	18246421	18247358	Gmdrm	hypo	CHH	-0.0554
Gm02	18508949	18509918	Gmdrm	hypo	CHH	-0.0157
Gm02	18509974	18510974	Gmdrm	hypo	CHH	-0.0978
Gm02	18510977	18511969	Gmdrm	hypo	CHH	-0.1132
Gm02	18580612	18580647	Gmdrm	hypo	CHH	-0.2584
Gm02	18666288	18666433	Gmdrm	hypo	CHH	-0.1584
Gm02	18677208	18678202	Gmdrm	hypo	CHH	-0.0357
Gm02	18718308	18719289	Gmdrm	hypo	CHH	-0.03
Gm02	18797448	18797566	Gmdrm	hypo	CHH	-0.168
Gm02	18918563	18919561	Gmdrm	hypo	CHH	-0.0716
Gm02	18924154	18924367	Gmdrm	hypo	CHH	-0.0414
Gm02	18956656	18957621	Gmdrm	hypo	CHH	-0.0642
Gm02	18971164	18972158	Gmdrm	hypo	CHH	-0.016
Gm02	18972171	18973170	Gmdrm	hypo	CHH	-0.0397
Gm02	19018907	19019904	Gmdrm	hypo	CHH	-0.0508
Gm02	19019917	19020262	Gmdrm	hypo	CHH	-0.0372
Gm02	19020580	19021580	Gmdrm	hypo	CHH	-0.0486
Gm02	19024593	19025157	Gmdrm	hypo	CHH	-0.0439
Gm02	19105047	19106047	Gmdrm	hypo	CHH	-0.1179
Gm02	19106828	19107817	Gmdrm	hypo	CHH	-0.1064
Gm02	19142813	19143810	Gmdrm	hypo	CHH	-0.0471
Gm02	19146852	19147828	Gmdrm	hypo	CHH	-0.0269
Gm02	19148273	19149273	Gmdrm	hypo	CHH	-0.0327
Gm02	19150296	19151284	Gmdrm	hypo	CHH	-0.0167
Gm02	19155659	19156445	Gmdrm	hypo	CHH	-0.0447
Gm02	19165220	19166166	Gmdrm	hypo	CHH	-0.0236
Gm02	19392719	19392776	Gmdrm	hypo	CHH	-0.2234
Gm02	19447964	19448408	Gmdrm	hypo	CHH	-0.107
Gm02	19632248	19633211	Gmdrm	hypo	CHH	-0.0239
Gm02	19639267	19640239	Gmdrm	hypo	CHH	-0.0479
Gm02	19648714	19649092	Gmdrm	hypo	CHH	-0.0729
Gm02	19649506	19649651	Gmdrm	hypo	CHH	-0.0687
Gm02	19651449	19652448	Gmdrm	hypo	CHH	-0.0497
Gm02	19653490	19654490	Gmdrm	hypo	CHH	-0.035
Gm02	19654497	19654957	Gmdrm	hypo	CHH	-0.0925
Gm02	19656127	19656572	Gmdrm	hypo	CHH	-0.0381
Gm02	19832717	19833359	Gmdrm	hypo	CHH	-0.0475
Gm02	19879662	19880614	Gmdrm	hypo	CHH	-0.0206
Gm02	19925484	19926482	Gmdrm	hypo	CHH	-0.0284
Gm02	19929146	19930145	Gmdrm	hypo	CHH	-0.0576
Gm02	20107526	20108513	Gmdrm	hypo	CHH	-0.017
Gm02	20127225	20128224	Gmdrm	hypo	CHH	-0.0371
Gm02	20128230	20129167	Gmdrm	hypo	CHH	-0.0416
Gm02	20211996	20212187	Gmdrm	hypo	CHH	-0.1533
Gm02	20334711	20335522	Gmdrm	hypo	CHH	-0.068
Gm02	20450902	20451889	Gmdrm	hypo	CHH	-0.0511

Gm02	20525275	20526263	Gmdrm	hypo	CHH	-0.0521
Gm02	20642409	20642514	Gmdrm	hypo	CHH	-0.102
Gm02	21298378	21298627	Gmdrm	hypo	CHH	-0.0755
Gm02	21456673	21457651	Gmdrm	hypo	CHH	-0.1088
Gm02	21462932	21463668	Gmdrm	hypo	CHH	-0.0352
Gm02	21464906	21465894	Gmdrm	hypo	CHH	-0.1447
Gm02	21489654	21490638	Gmdrm	hypo	CHH	-0.0558
Gm02	21491710	21492670	Gmdrm	hypo	CHH	-0.0275
Gm02	21492720	21493715	Gmdrm	hypo	CHH	-0.0215
Gm02	21495965	21496634	Gmdrm	hypo	CHH	-0.0144
Gm02	21505955	21506954	Gmdrm	hypo	CHH	-0.0365
Gm02	21602015	21603005	Gmdrm	hypo	CHH	-0.0506
Gm02	21634204	21635196	Gmdrm	hypo	CHH	-0.0205
Gm02	21657039	21658018	Gmdrm	hypo	CHH	-0.0156
Gm02	21789647	21789813	Gmdrm	hypo	CHH	-0.1467
Gm02	21849365	21850316	Gmdrm	hypo	CHH	-0.0433
Gm02	22021305	22022282	Gmdrm	hypo	CHH	-0.0376
Gm02	22027313	22028299	Gmdrm	hypo	CHH	-0.0171
Gm02	22393563	22393869	Gmdrm	hypo	CHH	-0.1388
Gm02	22428970	22429953	Gmdrm	hypo	CHH	-0.0342
Gm02	22436847	22437845	Gmdrm	hypo	CHH	-0.0307
Gm02	22437865	22438847	Gmdrm	hypo	CHH	-0.0709
Gm02	22442323	22443323	Gmdrm	hypo	CHH	-0.1266
Gm02	22454477	22455474	Gmdrm	hypo	CHH	-0.0435
Gm02	22456730	22457442	Gmdrm	hypo	CHH	-0.0445
Gm02	22613606	22614599	Gmdrm	hypo	CHH	-0.0574
Gm02	22664605	22665605	Gmdrm	hypo	CHH	-0.0633
Gm02	22674543	22675430	Gmdrm	hypo	CHH	-0.0613
Gm02	22840768	22841754	Gmdrm	hypo	CHH	-0.0134
Gm02	22841772	22842248	Gmdrm	hypo	CHH	-0.0191
Gm02	22847935	22848927	Gmdrm	hypo	CHH	-0.0292
Gm02	22852847	22853449	Gmdrm	hypo	CHH	-0.2047
Gm02	22889048	22889061	Gmdrm	hypo	CHH	-0.06
Gm02	23193232	23194177	Gmdrm	hypo	CHH	-0.0286
Gm02	23194258	23195247	Gmdrm	hypo	CHH	-0.0195
Gm02	23259568	23260521	Gmdrm	hypo	CHH	-0.0508
Gm02	23260576	23261576	Gmdrm	hypo	CHH	-0.0683
Gm02	23264959	23265956	Gmdrm	hypo	CHH	-0.1048
Gm02	23265971	23266499	Gmdrm	hypo	CHH	-0.0527
Gm02	23493880	23494873	Gmdrm	hypo	CHH	-0.0698
Gm02	23512736	23513723	Gmdrm	hypo	CHH	-0.0436
Gm02	23532642	23533635	Gmdrm	hypo	CHH	-0.0612
Gm02	23579854	23580849	Gmdrm	hypo	CHH	-0.0443
Gm02	23592485	23593193	Gmdrm	hypo	CHH	-0.045
Gm02	24043643	24044633	Gmdrm	hypo	CHH	-0.0791
Gm02	24046058	24046730	Gmdrm	hypo	CHH	-0.0189

Gm02	24055280	24056254	Gmdrm	hypo	CHH	-0.0457
Gm02	24056287	24056946	Gmdrm	hypo	CHH	-0.0165
Gm02	24059536	24060529	Gmdrm	hypo	CHH	-0.0308
Gm02	24064594	24065541	Gmdrm	hypo	CHH	-0.1042
Gm02	24065617	24066615	Gmdrm	hypo	CHH	-0.0275
Gm02	24067107	24068060	Gmdrm	hypo	CHH	-0.057
Gm02	24170452	24170519	Gmdrm	hypo	CHH	-0.1872
Gm02	24331130	24331447	Gmdrm	hypo	CHH	-0.1676
Gm02	24406270	24407257	Gmdrm	hypo	CHH	-0.0429
Gm02	24417265	24418249	Gmdrm	hypo	CHH	-0.1499
Gm02	24418281	24419281	Gmdrm	hypo	CHH	-0.0142
Gm02	24509780	24510778	Gmdrm	hypo	CHH	-0.046
Gm02	24681625	24681711	Gmdrm	hypo	CHH	-0.174
Gm02	24695788	24695904	Gmdrm	hypo	CHH	-0.1618
Gm02	25024643	25025552	Gmdrm	hypo	CHH	-0.0813
Gm02	25025648	25026648	Gmdrm	hypo	CHH	-0.0701
Gm02	25026656	25027434	Gmdrm	hypo	CHH	-0.0451
Gm02	25027542	25028484	Gmdrm	hypo	CHH	-0.0243
Gm02	25095435	25095559	Gmdrm	hypo	CHH	-0.082
Gm02	25201510	25201636	Gmdrm	hypo	CHH	-0.0918
Gm02	25745849	25746828	Gmdrm	hypo	CHH	-0.0863
Gm02	25755435	25756432	Gmdrm	hypo	CHH	-0.0472
Gm02	25756438	25757424	Gmdrm	hypo	CHH	-0.0918
Gm02	25757462	25758219	Gmdrm	hypo	CHH	-0.1229
Gm02	25758362	25759139	Gmdrm	hypo	CHH	-0.0581
Gm02	25759370	25760220	Gmdrm	hypo	CHH	-0.0532
Gm02	25763362	25764354	Gmdrm	hypo	CHH	-0.035
Gm02	25764372	25765357	Gmdrm	hypo	CHH	-0.0379
Gm02	25766527	25767524	Gmdrm	hypo	CHH	-0.0152
Gm02	25769502	25769791	Gmdrm	hypo	CHH	-0.0766
Gm02	25804394	25805007	Gmdrm	hypo	CHH	-0.0711
Gm02	25903953	25904240	Gmdrm	hypo	CHH	-0.1247
Gm02	25915089	25916019	Gmdrm	hypo	CHH	-0.044
Gm02	25969385	25969628	Gmdrm	hypo	CHH	-0.1706
Gm02	26091815	26092813	Gmdrm	hypo	CHH	-0.0804
Gm02	26092828	26093826	Gmdrm	hypo	CHH	-0.0723
Gm02	26093849	26094848	Gmdrm	hypo	CHH	-0.0347
Gm02	26115043	26116036	Gmdrm	hypo	CHH	-0.1463
Gm02	26145534	26146527	Gmdrm	hypo	CHH	-0.0424
Gm02	26163157	26164141	Gmdrm	hypo	CHH	-0.0207
Gm02	26164158	26165147	Gmdrm	hypo	CHH	-0.058
Gm02	26326850	26327787	Gmdrm	hypo	CHH	-0.0188
Gm02	26336239	26336804	Gmdrm	hypo	CHH	-0.0643
Gm02	26402271	26403248	Gmdrm	hypo	CHH	-0.0222
Gm02	26403297	26404295	Gmdrm	hypo	CHH	-0.0607
Gm02	26404298	26405207	Gmdrm	hypo	CHH	-0.072

Gm02	26636967	26637388	Gmdrm	hypo	CHH	-0.0394
Gm02	26660920	26661920	Gmdrm	hypo	CHH	-0.055
Gm02	26664262	26664561	Gmdrm	hypo	CHH	-0.0189
Gm02	26837223	26838219	Gmdrm	hypo	CHH	-0.079
Gm02	26839262	26840261	Gmdrm	hypo	CHH	-0.0744
Gm02	26840263	26841030	Gmdrm	hypo	CHH	-0.116
Gm02	26855861	26856861	Gmdrm	hypo	CHH	-0.0626
Gm02	27025386	27026054	Gmdrm	hypo	CHH	-0.1657
Gm02	27029050	27030010	Gmdrm	hypo	CHH	-0.0157
Gm02	27032220	27033213	Gmdrm	hypo	CHH	-0.0217
Gm02	27057113	27058094	Gmdrm	hypo	CHH	-0.0325
Gm02	27058133	27059123	Gmdrm	hypo	CHH	-0.018
Gm02	27059149	27059959	Gmdrm	hypo	CHH	-0.0354
Gm02	27060083	27060560	Gmdrm	hypo	CHH	-0.0238
Gm02	27079127	27079393	Gmdrm	hypo	CHH	-0.1156
Gm02	27161007	27161507	Gmdrm	hypo	CHH	-0.1592
Gm02	27162716	27163715	Gmdrm	hypo	CHH	-0.0648
Gm02	27166733	27167730	Gmdrm	hypo	CHH	-0.0182
Gm02	27167740	27168711	Gmdrm	hypo	CHH	-0.0301
Gm02	27187249	27188205	Gmdrm	hypo	CHH	-0.0214
Gm02	27189957	27190289	Gmdrm	hypo	CHH	-0.0437
Gm02	27191147	27192145	Gmdrm	hypo	CHH	-0.0967
Gm02	27192148	27193137	Gmdrm	hypo	CHH	-0.0835
Gm02	27195175	27196161	Gmdrm	hypo	CHH	-0.0266
Gm02	27198612	27199398	Gmdrm	hypo	CHH	-0.0193
Gm02	27199699	27200691	Gmdrm	hypo	CHH	-0.1416
Gm02	27200701	27201692	Gmdrm	hypo	CHH	-0.0283
Gm02	27201702	27202693	Gmdrm	hypo	CHH	-0.1314
Gm02	27202710	27203707	Gmdrm	hypo	CHH	-0.0737
Gm02	27210205	27211194	Gmdrm	hypo	CHH	-0.0363
Gm02	27222286	27223281	Gmdrm	hypo	CHH	-0.0302
Gm02	27226076	27227074	Gmdrm	hypo	CHH	-0.0468
Gm02	27244367	27245363	Gmdrm	hypo	CHH	-0.0401
Gm02	27366958	27367870	Gmdrm	hypo	CHH	-0.0499
Gm02	27401381	27402354	Gmdrm	hypo	CHH	-0.0337
Gm02	27404809	27405804	Gmdrm	hypo	CHH	-0.2692
Gm02	27410549	27411027	Gmdrm	hypo	CHH	-0.2005
Gm02	27411157	27411667	Gmdrm	hypo	CHH	-0.039
Gm02	27488376	27489353	Gmdrm	hypo	CHH	-0.0189
Gm02	27587087	27588082	Gmdrm	hypo	CHH	-0.0255
Gm02	27588103	27589067	Gmdrm	hypo	CHH	-0.0325
Gm02	27590108	27591106	Gmdrm	hypo	CHH	-0.0381
Gm02	27669866	27670810	Gmdrm	hypo	CHH	-0.3137
Gm02	27677435	27678423	Gmdrm	hypo	CHH	-0.0572
Gm02	27706622	27707388	Gmdrm	hypo	CHH	-0.0814
Gm02	27707599	27708593	Gmdrm	hypo	CHH	-0.03

Gm02	27713059	27714055	Gmdrm	hypo	CHH	-0.0279
Gm02	27766313	27767299	Gmdrm	hypo	CHH	-0.1189
Gm02	27785314	27786212	Gmdrm	hypo	CHH	-0.031
Gm02	27795729	27796696	Gmdrm	hypo	CHH	-0.1026
Gm02	27799059	27800058	Gmdrm	hypo	CHH	-0.0165
Gm02	27800663	27801647	Gmdrm	hypo	CHH	-0.0117
Gm02	27814910	27815907	Gmdrm	hypo	CHH	-0.0163
Gm02	27821944	27822938	Gmdrm	hypo	CHH	-0.0814
Gm02	27822959	27823953	Gmdrm	hypo	CHH	-0.0197
Gm02	27824968	27825965	Gmdrm	hypo	CHH	-0.0218
Gm02	27829982	27830199	Gmdrm	hypo	CHH	-0.0858
Gm02	27830306	27830933	Gmdrm	hypo	CHH	-0.069
Gm02	27831050	27832048	Gmdrm	hypo	CHH	-0.0419
Gm02	27840111	27841101	Gmdrm	hypo	CHH	-0.0153
Gm02	27855913	27856902	Gmdrm	hypo	CHH	-0.0562
Gm02	27860491	27861481	Gmdrm	hypo	CHH	-0.0475
Gm02	27861497	27862494	Gmdrm	hypo	CHH	-0.0622
Gm02	27879140	27879273	Gmdrm	hypo	CHH	-0.0384
Gm02	27879392	27880381	Gmdrm	hypo	CHH	-0.0974
Gm02	27880394	27881376	Gmdrm	hypo	CHH	-0.0182
Gm02	27884165	27885160	Gmdrm	hypo	CHH	-0.0632
Gm02	27885166	27886156	Gmdrm	hypo	CHH	-0.0154
Gm02	27886183	27886533	Gmdrm	hypo	CHH	-0.0396
Gm02	27908264	27909260	Gmdrm	hypo	CHH	-0.0228
Gm02	27909286	27910282	Gmdrm	hypo	CHH	-0.0326
Gm02	27910293	27911282	Gmdrm	hypo	CHH	-0.0679
Gm02	27911295	27912294	Gmdrm	hypo	CHH	-0.0271
Gm02	27924374	27924891	Gmdrm	hypo	CHH	-0.0356
Gm02	27930023	27930993	Gmdrm	hypo	CHH	-0.0142
Gm02	27940809	27941809	Gmdrm	hypo	CHH	-0.0522
Gm02	27945092	27946086	Gmdrm	hypo	CHH	-0.0596
Gm02	27947324	27948318	Gmdrm	hypo	CHH	-0.0609
Gm02	27948331	27949310	Gmdrm	hypo	CHH	-0.1404
Gm02	27951600	27952596	Gmdrm	hypo	CHH	-0.179
Gm02	27976964	27977962	Gmdrm	hypo	CHH	-0.0687
Gm02	27979037	27980024	Gmdrm	hypo	CHH	-0.0767
Gm02	27980072	27980551	Gmdrm	hypo	CHH	-0.1528
Gm02	27980974	27981195	Gmdrm	hypo	CHH	-0.5408
Gm02	27989940	27990932	Gmdrm	hypo	CHH	-0.0234
Gm02	27990944	27991939	Gmdrm	hypo	CHH	-0.0455
Gm02	27996080	27997078	Gmdrm	hypo	CHH	-0.0545
Gm02	28009175	28010172	Gmdrm	hypo	CHH	-0.0722
Gm02	28010178	28011164	Gmdrm	hypo	CHH	-0.0184
Gm02	28016058	28017055	Gmdrm	hypo	CHH	-0.0462
Gm02	28018907	28019878	Gmdrm	hypo	CHH	-0.0749
Gm02	28025942	28026047	Gmdrm	hypo	CHH	-0.0863

Gm02	28027316	28028316	Gmdrm	hypo	CHH	-0.0613
Gm02	28033493	28034483	Gmdrm	hypo	CHH	-0.0446
Gm02	28034496	28034783	Gmdrm	hypo	CHH	-0.0615
Gm02	28035199	28036194	Gmdrm	hypo	CHH	-0.0168
Gm02	28060712	28060783	Gmdrm	hypo	CHH	-0.0412
Gm02	28072589	28073576	Gmdrm	hypo	CHH	-0.0217
Gm02	28073612	28074604	Gmdrm	hypo	CHH	-0.0315
Gm02	28075628	28076271	Gmdrm	hypo	CHH	-0.0252
Gm02	28076409	28077405	Gmdrm	hypo	CHH	-0.095
Gm02	28120721	28121712	Gmdrm	hypo	CHH	-0.0697
Gm02	28123749	28124723	Gmdrm	hypo	CHH	-0.0415
Gm02	28133381	28134014	Gmdrm	hypo	CHH	-0.0484
Gm02	28134316	28135312	Gmdrm	hypo	CHH	-0.044
Gm02	28177474	28178471	Gmdrm	hypo	CHH	-0.0384
Gm02	28293937	28294782	Gmdrm	hypo	CHH	-0.0461
Gm02	28296134	28297115	Gmdrm	hypo	CHH	-0.1965
Gm02	28299547	28299713	Gmdrm	hypo	CHH	-0.064
Gm02	28302560	28303523	Gmdrm	hypo	CHH	-0.0132
Gm02	28314336	28315335	Gmdrm	hypo	CHH	-0.1161
Gm02	28315338	28316335	Gmdrm	hypo	CHH	-0.1432
Gm02	28316343	28316429	Gmdrm	hypo	CHH	-0.2622
Gm02	28321262	28321889	Gmdrm	hypo	CHH	-0.0239
Gm02	28322180	28323170	Gmdrm	hypo	CHH	-0.1389
Gm02	28358683	28359680	Gmdrm	hypo	CHH	-0.0504
Gm02	28364015	28365015	Gmdrm	hypo	CHH	-0.0848
Gm02	28365019	28366009	Gmdrm	hypo	CHH	-0.2716
Gm02	28366031	28367023	Gmdrm	hypo	CHH	-0.076
Gm02	28367046	28367914	Gmdrm	hypo	CHH	-0.1126
Gm02	28483187	28483982	Gmdrm	hypo	CHH	-0.0407
Gm02	28545193	28546193	Gmdrm	hypo	CHH	-0.0445
Gm02	28606505	28607492	Gmdrm	hypo	CHH	-0.0866
Gm02	28608646	28609643	Gmdrm	hypo	CHH	-0.0959
Gm02	28609653	28610629	Gmdrm	hypo	CHH	-0.0315
Gm02	28623967	28624945	Gmdrm	hypo	CHH	-0.0187
Gm02	28624972	28625971	Gmdrm	hypo	CHH	-0.0543
Gm02	28625973	28626617	Gmdrm	hypo	CHH	-0.079
Gm02	28681168	28681363	Gmdrm	hypo	CHH	-0.06
Gm02	28699130	28700126	Gmdrm	hypo	CHH	-0.1274
Gm02	28705111	28706050	Gmdrm	hypo	CHH	-0.2055
Gm02	28738085	28739076	Gmdrm	hypo	CHH	-0.0496
Gm02	28739094	28740092	Gmdrm	hypo	CHH	-0.1309
Gm02	28740097	28741058	Gmdrm	hypo	CHH	-0.0614
Gm02	28745125	28746107	Gmdrm	hypo	CHH	-0.0597
Gm02	28757133	28758105	Gmdrm	hypo	CHH	-0.0552
Gm02	28759165	28760161	Gmdrm	hypo	CHH	-0.1185
Gm02	28760171	28761157	Gmdrm	hypo	CHH	-0.079

Gm02	28791283	28792263	Gmdrm	hypo	CHH	-0.0267
Gm02	28805861	28806859	Gmdrm	hypo	CHH	-0.048
Gm02	28806866	28807728	Gmdrm	hypo	CHH	-0.1662
Gm02	28811275	28812275	Gmdrm	hypo	CHH	-0.0245
Gm02	28823148	28824143	Gmdrm	hypo	CHH	-0.0633
Gm02	28830256	28831256	Gmdrm	hypo	CHH	-0.0244
Gm02	28831265	28832252	Gmdrm	hypo	CHH	-0.0394
Gm02	28833814	28834040	Gmdrm	hypo	CHH	-0.0495
Gm02	28834473	28835447	Gmdrm	hypo	CHH	-0.0299
Gm02	28846711	28847710	Gmdrm	hypo	CHH	-0.0495
Gm02	28847712	28848254	Gmdrm	hypo	CHH	-0.2144
Gm02	28851462	28852255	Gmdrm	hypo	CHH	-0.1318
Gm02	28857465	28857933	Gmdrm	hypo	CHH	-0.0432
Gm02	28876684	28877682	Gmdrm	hypo	CHH	-0.1008
Gm02	28877685	28878681	Gmdrm	hypo	CHH	-0.0369
Gm02	28882724	28883667	Gmdrm	hypo	CHH	-0.0965
Gm02	28884035	28885030	Gmdrm	hypo	CHH	-0.046
Gm02	28967821	28968754	Gmdrm	hypo	CHH	-0.0137
Gm02	29062516	29063516	Gmdrm	hypo	CHH	-0.1367
Gm02	29063522	29064020	Gmdrm	hypo	CHH	-0.0426
Gm02	29082594	29083587	Gmdrm	hypo	CHH	-0.0175
Gm02	29090968	29091966	Gmdrm	hypo	CHH	-0.0167
Gm02	29124983	29125965	Gmdrm	hypo	CHH	-0.0425
Gm02	29128832	29129815	Gmdrm	hypo	CHH	-0.0372
Gm02	29130153	29131121	Gmdrm	hypo	CHH	-0.0189
Gm02	29131629	29132417	Gmdrm	hypo	CHH	-0.0221
Gm02	29134605	29134730	Gmdrm	hypo	CHH	-0.0586
Gm02	29134833	29135783	Gmdrm	hypo	CHH	-0.0651
Gm02	29220917	29221909	Gmdrm	hypo	CHH	-0.0435
Gm02	29224466	29225451	Gmdrm	hypo	CHH	-0.046
Gm02	29225469	29226467	Gmdrm	hypo	CHH	-0.185
Gm02	29228477	29229468	Gmdrm	hypo	CHH	-0.0819
Gm02	29231934	29232928	Gmdrm	hypo	CHH	-0.0515
Gm02	29235304	29236300	Gmdrm	hypo	CHH	-0.1048
Gm02	29236308	29237307	Gmdrm	hypo	CHH	-0.0695
Gm02	29237309	29238278	Gmdrm	hypo	CHH	-0.0462
Gm02	29238319	29239310	Gmdrm	hypo	CHH	-0.0594
Gm02	29276719	29277698	Gmdrm	hypo	CHH	-0.0872
Gm02	29281325	29282324	Gmdrm	hypo	CHH	-0.0434
Gm02	29286927	29287924	Gmdrm	hypo	CHH	-0.0646
Gm02	29287944	29288926	Gmdrm	hypo	CHH	-0.106
Gm02	29288952	29289941	Gmdrm	hypo	CHH	-0.2105
Gm02	29309408	29310400	Gmdrm	hypo	CHH	-0.0495
Gm02	29314680	29315536	Gmdrm	hypo	CHH	-0.1075
Gm02	29316870	29317330	Gmdrm	hypo	CHH	-0.1685
Gm02	29317575	29318567	Gmdrm	hypo	CHH	-0.0657

Gm02	29360427	29361394	Gmdrm	hypo	CHH	-0.1002
Gm02	29363499	29363873	Gmdrm	hypo	CHH	-0.017
Gm02	29365838	29366304	Gmdrm	hypo	CHH	-0.0545
Gm02	29411650	29412648	Gmdrm	hypo	CHH	-0.1143
Gm02	29412656	29413237	Gmdrm	hypo	CHH	-0.0291
Gm02	29446824	29447814	Gmdrm	hypo	CHH	-0.0727
Gm02	29454250	29455250	Gmdrm	hypo	CHH	-0.0447
Gm02	29465672	29465949	Gmdrm	hypo	CHH	-0.079
Gm02	29466471	29467470	Gmdrm	hypo	CHH	-0.0431
Gm02	29477281	29477975	Gmdrm	hypo	CHH	-0.0539
Gm02	29509251	29510242	Gmdrm	hypo	CHH	-0.0248
Gm02	29518775	29519756	Gmdrm	hypo	CHH	-0.0772
Gm02	29521974	29522970	Gmdrm	hypo	CHH	-0.02
Gm02	29522984	29523058	Gmdrm	hypo	CHH	-0.068
Gm02	29527455	29528435	Gmdrm	hypo	CHH	-0.0399
Gm02	29533505	29534483	Gmdrm	hypo	CHH	-0.1408
Gm02	29535521	29536514	Gmdrm	hypo	CHH	-0.0229
Gm02	29595240	29595347	Gmdrm	hypo	CHH	-0.062
Gm02	29610177	29610224	Gmdrm	hypo	CHH	-0.0867
Gm02	29610365	29610478	Gmdrm	hypo	CHH	-0.2963
Gm02	29610595	29611590	Gmdrm	hypo	CHH	-0.1563
Gm02	29668268	29669267	Gmdrm	hypo	CHH	-0.058
Gm02	29679750	29680739	Gmdrm	hypo	CHH	-0.0375
Gm02	29685701	29686045	Gmdrm	hypo	CHH	-0.0592
Gm02	29686613	29687611	Gmdrm	hypo	CHH	-0.0232
Gm02	29689757	29690598	Gmdrm	hypo	CHH	-0.0188
Gm02	29693243	29694041	Gmdrm	hypo	CHH	-0.0195
Gm02	29694906	29695692	Gmdrm	hypo	CHH	-0.2
Gm02	29695806	29696804	Gmdrm	hypo	CHH	-0.1273
Gm02	29696819	29697811	Gmdrm	hypo	CHH	-0.0711
Gm02	29697826	29698823	Gmdrm	hypo	CHH	-0.0544
Gm02	29698829	29699825	Gmdrm	hypo	CHH	-0.0715
Gm02	29708927	29709907	Gmdrm	hypo	CHH	-0.0563
Gm02	29735314	29735983	Gmdrm	hypo	CHH	-0.099
Gm02	29778486	29779486	Gmdrm	hypo	CHH	-0.0802
Gm02	29779493	29779859	Gmdrm	hypo	CHH	-0.0495
Gm02	29788075	29789071	Gmdrm	hypo	CHH	-0.0291
Gm02	29798030	29799027	Gmdrm	hypo	CHH	-0.0778
Gm02	29808065	29808759	Gmdrm	hypo	CHH	-0.1034
Gm02	29808889	29809866	Gmdrm	hypo	CHH	-0.0376
Gm02	29847432	29848418	Gmdrm	hypo	CHH	-0.0537
Gm02	29885923	29886267	Gmdrm	hypo	CHH	-0.0469
Gm02	29886408	29887388	Gmdrm	hypo	CHH	-0.0618
Gm02	29894758	29895755	Gmdrm	hypo	CHH	-0.0431
Gm02	29916588	29916725	Gmdrm	hypo	CHH	-0.167
Gm02	29916841	29917567	Gmdrm	hypo	CHH	-0.0893

Gm02	29931601	29931855	Gmdrm	hypo	CHH	-0.0333
Gm02	29933323	29934320	Gmdrm	hypo	CHH	-0.0702
Gm02	29937626	29937814	Gmdrm	hypo	CHH	-0.1004
Gm02	29943192	29944192	Gmdrm	hypo	CHH	-0.0574
Gm02	29952229	29953096	Gmdrm	hypo	CHH	-0.0455
Gm02	29995483	29995845	Gmdrm	hypo	CHH	-0.0367
Gm02	29996167	29997167	Gmdrm	hypo	CHH	-0.207
Gm02	30035820	30036817	Gmdrm	hypo	CHH	-0.0105
Gm02	30036822	30037814	Gmdrm	hypo	CHH	-0.0116
Gm02	30039863	30040833	Gmdrm	hypo	CHH	-0.0789
Gm02	30048061	30049057	Gmdrm	hypo	CHH	-0.0252
Gm02	30049063	30050063	Gmdrm	hypo	CHH	-0.0984
Gm02	30050067	30051043	Gmdrm	hypo	CHH	-0.0231
Gm02	30052508	30053508	Gmdrm	hypo	CHH	-0.02
Gm02	30058296	30059296	Gmdrm	hypo	CHH	-0.0563
Gm02	30061626	30062431	Gmdrm	hypo	CHH	-0.0398
Gm02	30102144	30102408	Gmdrm	hypo	CHH	-0.0662
Gm02	30134354	30135352	Gmdrm	hypo	CHH	-0.142
Gm02	30163150	30164132	Gmdrm	hypo	CHH	-0.2
Gm02	30164154	30165154	Gmdrm	hypo	CHH	-0.0121
Gm02	30166183	30167151	Gmdrm	hypo	CHH	-0.0483
Gm02	30167195	30168195	Gmdrm	hypo	CHH	-0.1207
Gm02	30168200	30169191	Gmdrm	hypo	CHH	-0.1187
Gm02	30169210	30169757	Gmdrm	hypo	CHH	-0.2666
Gm02	30169987	30170981	Gmdrm	hypo	CHH	-0.0264
Gm02	30213318	30213374	Gmdrm	hypo	CHH	-0.1299
Gm02	30344110	30345110	Gmdrm	hypo	CHH	-0.0273
Gm02	30348498	30349101	Gmdrm	hypo	CHH	-0.0354
Gm02	30377631	30378553	Gmdrm	hypo	CHH	-0.0632
Gm02	30380389	30381128	Gmdrm	hypo	CHH	-0.0468
Gm02	30382370	30383368	Gmdrm	hypo	CHH	-0.0465
Gm02	30408019	30409016	Gmdrm	hypo	CHH	-0.0206
Gm02	30412064	30413058	Gmdrm	hypo	CHH	-0.0459
Gm02	30443609	30443861	Gmdrm	hypo	CHH	-0.0682
Gm02	30591688	30592679	Gmdrm	hypo	CHH	-0.1371
Gm02	30616840	30617806	Gmdrm	hypo	CHH	-0.0206
Gm02	30664718	30665713	Gmdrm	hypo	CHH	-0.1005
Gm02	30691922	30692905	Gmdrm	hypo	CHH	-0.0122
Gm02	30693469	30694469	Gmdrm	hypo	CHH	-0.0188
Gm02	30767987	30768969	Gmdrm	hypo	CHH	-0.0203
Gm02	30768999	30769891	Gmdrm	hypo	CHH	-0.0172
Gm02	30842519	30843517	Gmdrm	hypo	CHH	-0.024
Gm02	30856488	30856871	Gmdrm	hypo	CHH	-0.1187
Gm02	30856978	30857951	Gmdrm	hypo	CHH	-0.0211
Gm02	30857986	30858957	Gmdrm	hypo	CHH	-0.0745
Gm02	30864480	30864857	Gmdrm	hypo	CHH	-0.102

Gm02	30907177	30908162	Gmdrm	hypo	CHH	-0.0238
Gm02	30953995	30954083	Gmdrm	hypo	CHH	-0.1291
Gm02	31079276	31080012	Gmdrm	hypo	CHH	-0.0665
Gm02	31081308	31082305	Gmdrm	hypo	CHH	-0.0296
Gm02	31083585	31084582	Gmdrm	hypo	CHH	-0.0327
Gm02	31087228	31088226	Gmdrm	hypo	CHH	-0.1509
Gm02	31095108	31096099	Gmdrm	hypo	CHH	-0.0254
Gm02	31097534	31098521	Gmdrm	hypo	CHH	-0.0198
Gm02	31098540	31099539	Gmdrm	hypo	CHH	-0.0389
Gm02	31113608	31113990	Gmdrm	hypo	CHH	-0.1382
Gm02	31120204	31121202	Gmdrm	hypo	CHH	-0.0567
Gm02	31123761	31124751	Gmdrm	hypo	CHH	-0.0475
Gm02	31125780	31126779	Gmdrm	hypo	CHH	-0.0405
Gm02	31132901	31133884	Gmdrm	hypo	CHH	-0.0189
Gm02	31185312	31186311	Gmdrm	hypo	CHH	-0.0605
Gm02	31186332	31187324	Gmdrm	hypo	CHH	-0.051
Gm02	31191417	31192414	Gmdrm	hypo	CHH	-0.0967
Gm02	31192420	31192507	Gmdrm	hypo	CHH	-0.1573
Gm02	31203717	31204673	Gmdrm	hypo	CHH	-0.029
Gm02	31205926	31206925	Gmdrm	hypo	CHH	-0.0359
Gm02	31213566	31214562	Gmdrm	hypo	CHH	-0.0559
Gm02	31236058	31237044	Gmdrm	hypo	CHH	-0.0438
Gm02	31237336	31237901	Gmdrm	hypo	CHH	-0.0651
Gm02	31239015	31240013	Gmdrm	hypo	CHH	-0.0377
Gm02	31240026	31241021	Gmdrm	hypo	CHH	-0.0423
Gm02	31267542	31267648	Gmdrm	hypo	CHH	-0.155
Gm02	31334144	31335139	Gmdrm	hypo	CHH	-0.0886
Gm02	31336898	31337889	Gmdrm	hypo	CHH	-0.0361
Gm02	31402359	31402655	Gmdrm	hypo	CHH	-0.1514
Gm02	31424976	31425659	Gmdrm	hypo	CHH	-0.0281
Gm02	31430954	31431932	Gmdrm	hypo	CHH	-0.0337
Gm02	31431960	31432959	Gmdrm	hypo	CHH	-0.0141
Gm02	31445148	31446136	Gmdrm	hypo	CHH	-0.0198
Gm02	31448890	31449378	Gmdrm	hypo	CHH	-0.0346
Gm02	31506989	31507972	Gmdrm	hypo	CHH	-0.0172
Gm02	31509007	31510004	Gmdrm	hypo	CHH	-0.0099
Gm02	31530300	31530522	Gmdrm	hypo	CHH	-0.105
Gm02	31599059	31600048	Gmdrm	hypo	CHH	-0.0564
Gm02	31601431	31602386	Gmdrm	hypo	CHH	-0.0168
Gm02	31602435	31603190	Gmdrm	hypo	CHH	-0.0158
Gm02	31639945	31640945	Gmdrm	hypo	CHH	-0.0322
Gm02	31642774	31643764	Gmdrm	hypo	CHH	-0.0414
Gm02	31643794	31644644	Gmdrm	hypo	CHH	-0.0247
Gm02	31644850	31645793	Gmdrm	hypo	CHH	-0.0262
Gm02	31651081	31652080	Gmdrm	hypo	CHH	-0.0687
Gm02	31695621	31696613	Gmdrm	hypo	CHH	-0.0592

Gm02	31700772	31701766	Gmdrm	hypo	CHH	-0.0696
Gm02	31723452	31724435	Gmdrm	hypo	CHH	-0.0602
Gm02	31833998	31834983	Gmdrm	hypo	CHH	-0.0244
Gm02	31838206	31839204	Gmdrm	hypo	CHH	-0.1143
Gm02	31900693	31901264	Gmdrm	hypo	CHH	-0.0575
Gm02	31903516	31904515	Gmdrm	hypo	CHH	-0.1323
Gm02	31904520	31905122	Gmdrm	hypo	CHH	-0.1361
Gm02	31909748	31910748	Gmdrm	hypo	CHH	-0.1607
Gm02	31922635	31922896	Gmdrm	hypo	CHH	-0.256
Gm02	31924033	31925028	Gmdrm	hypo	CHH	-0.0303
Gm02	32002420	32003010	Gmdrm	hypo	CHH	-0.0483
Gm02	32003118	32004053	Gmdrm	hypo	CHH	-0.025
Gm02	32042595	32043593	Gmdrm	hypo	CHH	-0.0329
Gm02	32043596	32043904	Gmdrm	hypo	CHH	-0.0412
Gm02	32098158	32099098	Gmdrm	hypo	CHH	-0.0192
Gm02	32105121	32106119	Gmdrm	hypo	CHH	-0.247
Gm02	32146506	32147148	Gmdrm	hypo	CHH	-0.0738
Gm02	32194163	32194735	Gmdrm	hypo	CHH	-0.0658
Gm02	32199927	32200922	Gmdrm	hypo	CHH	-0.0172
Gm02	32217821	32218820	Gmdrm	hypo	CHH	-0.0344
Gm02	32218827	32219824	Gmdrm	hypo	CHH	-0.0387
Gm02	32219884	32220883	Gmdrm	hypo	CHH	-0.0168
Gm02	32285551	32286511	Gmdrm	hypo	CHH	-0.0131
Gm02	32288381	32289377	Gmdrm	hypo	CHH	-0.0196
Gm02	32324852	32325848	Gmdrm	hypo	CHH	-0.0302
Gm02	32448389	32449386	Gmdrm	hypo	CHH	-0.044
Gm02	32452817	32453798	Gmdrm	hypo	CHH	-0.0567
Gm02	32459864	32460856	Gmdrm	hypo	CHH	-0.0885
Gm02	32466411	32467296	Gmdrm	hypo	CHH	-0.0175
Gm02	32467399	32468397	Gmdrm	hypo	CHH	-0.0256
Gm02	32481645	32482645	Gmdrm	hypo	CHH	-0.0476
Gm02	32503375	32503924	Gmdrm	hypo	CHH	-0.0473
Gm02	32509494	32510489	Gmdrm	hypo	CHH	-0.0292
Gm02	32515521	32516494	Gmdrm	hypo	CHH	-0.0551
Gm02	32516555	32517545	Gmdrm	hypo	CHH	-0.0761
Gm02	32564746	32564832	Gmdrm	hypo	CHH	-0.144
Gm02	32596243	32597241	Gmdrm	hypo	CHH	-0.0195
Gm02	32665873	32666357	Gmdrm	hypo	CHH	-0.0709
Gm02	32729085	32730078	Gmdrm	hypo	CHH	-0.0154
Gm02	32749388	32749622	Gmdrm	hypo	CHH	-0.0395
Gm02	32750773	32751737	Gmdrm	hypo	CHH	-0.0142
Gm02	32760215	32761194	Gmdrm	hypo	CHH	-0.0219
Gm02	32801870	32802854	Gmdrm	hypo	CHH	-0.0195
Gm02	32815351	32816321	Gmdrm	hypo	CHH	-0.0362
Gm02	32817292	32818041	Gmdrm	hypo	CHH	-0.0325
Gm02	32819421	32820421	Gmdrm	hypo	CHH	-0.0328

Gm02	32837354	32838344	Gmdrm	hypo	CHH	-0.0138
Gm02	32865560	32866560	Gmdrm	hypo	CHH	-0.0554
Gm02	32866564	32867561	Gmdrm	hypo	CHH	-0.0952
Gm02	32872052	32872199	Gmdrm	hypo	CHH	-0.0738
Gm02	32877003	32877899	Gmdrm	hypo	CHH	-0.0274
Gm02	32881192	32882192	Gmdrm	hypo	CHH	-0.1086
Gm02	32882193	32883089	Gmdrm	hypo	CHH	-0.08
Gm02	32883192	32884191	Gmdrm	hypo	CHH	-0.0859
Gm02	32884197	32884449	Gmdrm	hypo	CHH	-0.1487
Gm02	32886594	32887594	Gmdrm	hypo	CHH	-0.1066
Gm02	32900849	32901844	Gmdrm	hypo	CHH	-0.0241
Gm02	32934870	32935868	Gmdrm	hypo	CHH	-0.0475
Gm02	32935873	32936863	Gmdrm	hypo	CHH	-0.0689
Gm02	32941556	32941786	Gmdrm	hypo	CHH	-0.042
Gm02	32941888	32942865	Gmdrm	hypo	CHH	-0.0171
Gm02	32942901	32943882	Gmdrm	hypo	CHH	-0.0133
Gm02	32948189	32949180	Gmdrm	hypo	CHH	-0.0621
Gm02	32950422	32951328	Gmdrm	hypo	CHH	-0.0578
Gm02	32997109	32998101	Gmdrm	hypo	CHH	-0.1141
Gm02	32998110	32999110	Gmdrm	hypo	CHH	-0.0625
Gm02	32999115	33000094	Gmdrm	hypo	CHH	-0.0738
Gm02	33000118	33001114	Gmdrm	hypo	CHH	-0.0515
Gm02	33001128	33002082	Gmdrm	hypo	CHH	-0.0204
Gm02	33002142	33002912	Gmdrm	hypo	CHH	-0.0333
Gm02	33003023	33003997	Gmdrm	hypo	CHH	-0.0588
Gm02	33004297	33005288	Gmdrm	hypo	CHH	-0.0201
Gm02	33005305	33006286	Gmdrm	hypo	CHH	-0.0234
Gm02	33006309	33007307	Gmdrm	hypo	CHH	-0.0924
Gm02	33017111	33018100	Gmdrm	hypo	CHH	-0.0485
Gm02	33020192	33021179	Gmdrm	hypo	CHH	-0.1224
Gm02	33021216	33021290	Gmdrm	hypo	CHH	-0.1957
Gm02	33022537	33023535	Gmdrm	hypo	CHH	-0.1701
Gm02	33023540	33024482	Gmdrm	hypo	CHH	-0.1063
Gm02	33029969	33030966	Gmdrm	hypo	CHH	-0.0398
Gm02	33056692	33056887	Gmdrm	hypo	CHH	-0.0973
Gm02	33057081	33057515	Gmdrm	hypo	CHH	-0.1196
Gm02	33067499	33068497	Gmdrm	hypo	CHH	-0.0407
Gm02	33075415	33076413	Gmdrm	hypo	CHH	-0.0163
Gm02	33085830	33086830	Gmdrm	hypo	CHH	-0.021
Gm02	33095914	33096913	Gmdrm	hypo	CHH	-0.0604
Gm02	33096923	33097922	Gmdrm	hypo	CHH	-0.0563
Gm02	33131567	33132409	Gmdrm	hypo	CHH	-0.0753
Gm02	33133899	33134835	Gmdrm	hypo	CHH	-0.0976
Gm02	33160724	33161707	Gmdrm	hypo	CHH	-0.0803
Gm02	33161734	33162731	Gmdrm	hypo	CHH	-0.2971
Gm02	33166822	33167778	Gmdrm	hypo	CHH	-0.0349

Gm02	33172747	33173724	Gmdrm	hypo	CHH	-0.0192
Gm02	33190321	33190882	Gmdrm	hypo	CHH	-0.0308
Gm02	33194059	33195056	Gmdrm	hypo	CHH	-0.0313
Gm02	33205998	33206997	Gmdrm	hypo	CHH	-0.044
Gm02	33208012	33209007	Gmdrm	hypo	CHH	-0.0207
Gm02	33210021	33211018	Gmdrm	hypo	CHH	-0.0295
Gm02	33250128	33251126	Gmdrm	hypo	CHH	-0.0329
Gm02	33251137	33251263	Gmdrm	hypo	CHH	-0.0809
Gm02	33251640	33252587	Gmdrm	hypo	CHH	-0.014
Gm02	33290861	33291860	Gmdrm	hypo	CHH	-0.0487
Gm02	33325199	33326183	Gmdrm	hypo	CHH	-0.0248
Gm02	33328239	33329228	Gmdrm	hypo	CHH	-0.0165
Gm02	33336362	33337355	Gmdrm	hypo	CHH	-0.0142
Gm02	33337435	33338008	Gmdrm	hypo	CHH	-0.0308
Gm02	33383867	33384867	Gmdrm	hypo	CHH	-0.0234
Gm02	33384871	33385829	Gmdrm	hypo	CHH	-0.0171
Gm02	33386674	33387211	Gmdrm	hypo	CHH	-0.0942
Gm02	33387767	33388595	Gmdrm	hypo	CHH	-0.1182
Gm02	33577301	33578301	Gmdrm	hypo	CHH	-0.0357
Gm02	33625881	33626605	Gmdrm	hypo	CHH	-0.0371
Gm02	33827676	33828672	Gmdrm	hypo	CHH	-0.0522
Gm02	33829604	33830596	Gmdrm	hypo	CHH	-0.012
Gm02	33831607	33832577	Gmdrm	hypo	CHH	-0.0203
Gm02	33832610	33833610	Gmdrm	hypo	CHH	-0.0333
Gm02	33833614	33834614	Gmdrm	hypo	CHH	-0.0343
Gm02	33834616	33835609	Gmdrm	hypo	CHH	-0.0798
Gm02	33840264	33841261	Gmdrm	hypo	CHH	-0.0219
Gm02	33843133	33843917	Gmdrm	hypo	CHH	-0.0593
Gm02	33942011	33943009	Gmdrm	hypo	CHH	-0.0225
Gm02	33943017	33944008	Gmdrm	hypo	CHH	-0.0381
Gm02	33945034	33945998	Gmdrm	hypo	CHH	-0.02
Gm02	33946479	33947451	Gmdrm	hypo	CHH	-0.0236
Gm02	33964220	33965208	Gmdrm	hypo	CHH	-0.0152
Gm02	33965229	33966087	Gmdrm	hypo	CHH	-0.0153
Gm02	33966359	33967340	Gmdrm	hypo	CHH	-0.0513
Gm02	33973867	33974843	Gmdrm	hypo	CHH	-0.0117
Gm02	33983405	33983813	Gmdrm	hypo	CHH	-0.0453
Gm02	33983936	33984165	Gmdrm	hypo	CHH	-0.1188
Gm02	33984271	33985265	Gmdrm	hypo	CHH	-0.0125
Gm02	33991750	33992715	Gmdrm	hypo	CHH	-0.037
Gm02	33992755	33993747	Gmdrm	hypo	CHH	-0.0274
Gm02	33993756	33994752	Gmdrm	hypo	CHH	-0.0266
Gm02	34038317	34039305	Gmdrm	hypo	CHH	-0.0398
Gm02	34039337	34040336	Gmdrm	hypo	CHH	-0.0273
Gm02	34041343	34042340	Gmdrm	hypo	CHH	-0.021
Gm02	34042344	34043322	Gmdrm	hypo	CHH	-0.0224

Gm02	34043345	34044331 Gmdrm	hypo	CHH	-0.0371
Gm02	34044348	34045339 Gmdrm	hypo	CHH	-0.0402
Gm02	34045356	34046336 Gmdrm	hypo	CHH	-0.0319
Gm02	34051074	34052055 Gmdrm	hypo	CHH	-0.0346
Gm02	34057068	34058068 Gmdrm	hypo	CHH	-0.0389
Gm02	34062095	34063095 Gmdrm	hypo	CHH	-0.0628
Gm02	34083243	34084237 Gmdrm	hypo	CHH	-0.0435
Gm02	34095299	34096297 Gmdrm	hypo	CHH	-0.0382
Gm02	34113300	34113894 Gmdrm	hypo	CHH	-0.1065
Gm02	34117537	34117859 Gmdrm	hypo	CHH	-0.2315
Gm02	34135026	34135449 Gmdrm	hypo	CHH	-0.5843
Gm02	34139594	34140594 Gmdrm	hypo	CHH	-0.0654
Gm02	34140597	34141330 Gmdrm	hypo	CHH	-0.0521
Gm02	34145149	34146142 Gmdrm	hypo	CHH	-0.0554
Gm02	34158460	34159460 Gmdrm	hypo	CHH	-0.0554
Gm02	34160478	34161458 Gmdrm	hypo	CHH	-0.0134
Gm02	34162526	34163479 Gmdrm	hypo	CHH	-0.0223
Gm02	34163528	34164528 Gmdrm	hypo	CHH	-0.2242
Gm02	34170590	34171588 Gmdrm	hypo	CHH	-0.0347
Gm02	34173621	34174377 Gmdrm	hypo	CHH	-0.1775
Gm02	34254939	34255935 Gmdrm	hypo	CHH	-0.0249
Gm02	34256435	34257425 Gmdrm	hypo	CHH	-0.0773
Gm02	34281810	34282809 Gmdrm	hypo	CHH	-0.0488
Gm02	34282823	34283805 Gmdrm	hypo	CHH	-0.0313
Gm02	34283848	34284297 Gmdrm	hypo	CHH	-0.03
Gm02	34284448	34285444 Gmdrm	hypo	CHH	-0.0257
Gm02	34290929	34291926 Gmdrm	hypo	CHH	-0.0559
Gm02	34377947	34378947 Gmdrm	hypo	CHH	-0.0306
Gm02	34409256	34410203 Gmdrm	hypo	CHH	-0.0486
Gm02	34413383	34414382 Gmdrm	hypo	CHH	-0.0607
Gm02	34433437	34434430 Gmdrm	hypo	CHH	-0.0737
Gm02	34436915	34437900 Gmdrm	hypo	CHH	-0.0178
Gm02	34444318	34445317 Gmdrm	hypo	CHH	-0.0527
Gm02	34570070	34570919 Gmdrm	hypo	CHH	-0.0805
Gm02	34583440	34584417 Gmdrm	hypo	CHH	-0.0266
Gm02	34585009	34585980 Gmdrm	hypo	CHH	-0.0174
Gm02	34649697	34650408 Gmdrm	hypo	CHH	-0.0425
Gm02	34653022	34654020 Gmdrm	hypo	CHH	-0.0323
Gm02	34744948	34745879 Gmdrm	hypo	CHH	-0.074
Gm02	34754898	34755896 Gmdrm	hypo	CHH	-0.0279
Gm02	34761846	34762834 Gmdrm	hypo	CHH	-0.0217
Gm02	34762847	34763812 Gmdrm	hypo	CHH	-0.0355
Gm02	34816107	34817085 Gmdrm	hypo	CHH	-0.0456
Gm02	34817387	34818381 Gmdrm	hypo	CHH	-0.0198
Gm02	34819408	34820186 Gmdrm	hypo	CHH	-0.0384
Gm02	34842737	34843736 Gmdrm	hypo	CHH	-0.0386

Gm02	34859704	34860704	Gmdrm	hypo	CHH	-0.04
Gm02	34942456	34943208	Gmdrm	hypo	CHH	-0.0176
Gm02	34959092	34960072	Gmdrm	hypo	CHH	-0.0517
Gm02	35264874	35265779	Gmdrm	hypo	CHH	-0.0398
Gm02	35271654	35272648	Gmdrm	hypo	CHH	-0.0504
Gm02	35272659	35273658	Gmdrm	hypo	CHH	-0.0568
Gm02	35274663	35275658	Gmdrm	hypo	CHH	-0.0438
Gm02	35286266	35286419	Gmdrm	hypo	CHH	-0.1075
Gm02	35287572	35288345	Gmdrm	hypo	CHH	-0.0401
Gm02	35289493	35290453	Gmdrm	hypo	CHH	-0.012
Gm02	35290526	35291521	Gmdrm	hypo	CHH	-0.0508
Gm02	35305614	35306348	Gmdrm	hypo	CHH	-0.4184
Gm02	35306676	35307655	Gmdrm	hypo	CHH	-0.0122
Gm02	35307684	35308683	Gmdrm	hypo	CHH	-0.0284
Gm02	35308694	35309689	Gmdrm	hypo	CHH	-0.0243
Gm02	35311097	35311258	Gmdrm	hypo	CHH	-0.049
Gm02	35600490	35601404	Gmdrm	hypo	CHH	-0.0779
Gm02	35626477	35627469	Gmdrm	hypo	CHH	-0.1554
Gm02	35627949	35628944	Gmdrm	hypo	CHH	-0.0183
Gm02	35788937	35789904	Gmdrm	hypo	CHH	-0.0448
Gm02	35791946	35792934	Gmdrm	hypo	CHH	-0.0372
Gm02	35792948	35793581	Gmdrm	hypo	CHH	-0.0306
Gm02	35847346	35848345	Gmdrm	hypo	CHH	-0.0332
Gm02	35856043	35856750	Gmdrm	hypo	CHH	-0.02
Gm02	35858912	35859884	Gmdrm	hypo	CHH	-0.0177
Gm02	35865987	35866987	Gmdrm	hypo	CHH	-0.1323
Gm02	35876229	35877208	Gmdrm	hypo	CHH	-0.0387
Gm02	35911245	35912217	Gmdrm	hypo	CHH	-0.0493
Gm02	35989934	35990064	Gmdrm	hypo	CHH	-0.086
Gm02	36115959	36116118	Gmdrm	hypo	CHH	-0.059
Gm02	36162822	36162901	Gmdrm	hypo	CHH	-0.2
Gm02	36190685	36191685	Gmdrm	hypo	CHH	-0.0224
Gm02	36191689	36192078	Gmdrm	hypo	CHH	-0.1084
Gm02	36192360	36193359	Gmdrm	hypo	CHH	-0.0999
Gm02	36193368	36194337	Gmdrm	hypo	CHH	-0.0439
Gm02	36199648	36200589	Gmdrm	hypo	CHH	-0.0419
Gm02	36348725	36349645	Gmdrm	hypo	CHH	-0.0442
Gm02	36355081	36356081	Gmdrm	hypo	CHH	-0.0883
Gm02	36356094	36357065	Gmdrm	hypo	CHH	-0.0427
Gm02	36412626	36413625	Gmdrm	hypo	CHH	-0.0221
Gm02	36441373	36442369	Gmdrm	hypo	CHH	-0.0192
Gm02	36446216	36447189	Gmdrm	hypo	CHH	-0.0269
Gm02	36572623	36573618	Gmdrm	hypo	CHH	-0.0479
Gm02	36574774	36575767	Gmdrm	hypo	CHH	-0.206
Gm02	36575776	36576766	Gmdrm	hypo	CHH	-0.1182
Gm02	36583950	36583999	Gmdrm	hypo	CHH	-0.044

Gm02	36592799	36593779	Gmdrm	hypo	CHH	-0.0248
Gm02	36708948	36709945	Gmdrm	hypo	CHH	-0.0495
Gm02	36720231	36721221	Gmdrm	hypo	CHH	-0.0611
Gm02	36722250	36723206	Gmdrm	hypo	CHH	-0.075
Gm02	36723255	36724253	Gmdrm	hypo	CHH	-0.0153
Gm02	36858397	36859394	Gmdrm	hypo	CHH	-0.0742
Gm02	36866674	36867649	Gmdrm	hypo	CHH	-0.0587
Gm02	36872944	36873942	Gmdrm	hypo	CHH	-0.0397
Gm02	36873945	36874945	Gmdrm	hypo	CHH	-0.0848
Gm02	36874949	36875948	Gmdrm	hypo	CHH	-0.0587
Gm02	36875955	36876923	Gmdrm	hypo	CHH	-0.0544
Gm02	36878018	36879017	Gmdrm	hypo	CHH	-0.056
Gm02	36899767	36900764	Gmdrm	hypo	CHH	-0.0623
Gm02	36902060	36903046	Gmdrm	hypo	CHH	-0.0384
Gm02	36903070	36904070	Gmdrm	hypo	CHH	-0.0792
Gm02	36932172	36933168	Gmdrm	hypo	CHH	-0.0927
Gm02	37024626	37025623	Gmdrm	hypo	CHH	-0.0664
Gm02	37034609	37035006	Gmdrm	hypo	CHH	-0.12
Gm02	37134606	37134972	Gmdrm	hypo	CHH	-0.0192
Gm02	37143882	37144872	Gmdrm	hypo	CHH	-0.037
Gm02	37147142	37147346	Gmdrm	hypo	CHH	-0.0829
Gm02	37147708	37147947	Gmdrm	hypo	CHH	-0.0817
Gm02	37327993	37328515	Gmdrm	hypo	CHH	-0.0888
Gm02	37423770	37424745	Gmdrm	hypo	CHH	-0.018
Gm02	37426485	37427481	Gmdrm	hypo	CHH	-0.0329
Gm02	37507245	37508239	Gmdrm	hypo	CHH	-0.1209
Gm02	37516376	37516957	Gmdrm	hypo	CHH	-0.0599
Gm02	37625086	37626043	Gmdrm	hypo	CHH	-0.1153
Gm02	37628377	37628994	Gmdrm	hypo	CHH	-0.0565
Gm02	37631792	37632784	Gmdrm	hypo	CHH	-0.0159
Gm02	37671260	37672256	Gmdrm	hypo	CHH	-0.0567
Gm02	37672416	37673414	Gmdrm	hypo	CHH	-0.1345
Gm02	37678060	37679060	Gmdrm	hypo	CHH	-0.0214
Gm02	37683519	37684517	Gmdrm	hypo	CHH	-0.0219
Gm02	37687246	37688210	Gmdrm	hypo	CHH	-0.0355
Gm02	37726005	37727004	Gmdrm	hypo	CHH	-0.0453
Gm02	37757081	37757438	Gmdrm	hypo	CHH	-0.042
Gm02	37768744	37769742	Gmdrm	hypo	CHH	-0.0823
Gm02	37772810	37773800	Gmdrm	hypo	CHH	-0.0168
Gm02	37825157	37826090	Gmdrm	hypo	CHH	-0.0357
Gm02	37828243	37829237	Gmdrm	hypo	CHH	-0.0303
Gm02	37920252	37921235	Gmdrm	hypo	CHH	-0.0188
Gm02	37921255	37922249	Gmdrm	hypo	CHH	-0.0266
Gm02	37922265	37923257	Gmdrm	hypo	CHH	-0.0509
Gm02	37943963	37944963	Gmdrm	hypo	CHH	-0.0469
Gm02	37956334	37957327	Gmdrm	hypo	CHH	-0.0414

Gm02	38023631	38024216	Gmdrm	hypo	CHH	-0.019
Gm02	38043511	38044502	Gmdrm	hypo	CHH	-0.0192
Gm02	38052606	38053597	Gmdrm	hypo	CHH	-0.0316
Gm02	38055656	38056646	Gmdrm	hypo	CHH	-0.0815
Gm02	38059077	38060075	Gmdrm	hypo	CHH	-0.0272
Gm02	38060081	38061080	Gmdrm	hypo	CHH	-0.0383
Gm02	38118853	38119316	Gmdrm	hypo	CHH	-0.0207
Gm02	38171247	38172203	Gmdrm	hypo	CHH	-0.3321
Gm02	38175358	38176312	Gmdrm	hypo	CHH	-0.0125
Gm02	38186524	38187410	Gmdrm	hypo	CHH	-0.0379
Gm02	38188580	38189576	Gmdrm	hypo	CHH	-0.0208
Gm02	38189589	38190561	Gmdrm	hypo	CHH	-0.0258
Gm02	38191597	38192597	Gmdrm	hypo	CHH	-0.0583
Gm02	38193609	38194607	Gmdrm	hypo	CHH	-0.1352
Gm02	38194610	38195602	Gmdrm	hypo	CHH	-0.0331
Gm02	38201508	38202508	Gmdrm	hypo	CHH	-0.0112
Gm02	38202624	38203622	Gmdrm	hypo	CHH	-0.0729
Gm02	38203629	38204565	Gmdrm	hypo	CHH	-0.0203
Gm02	38204639	38205639	Gmdrm	hypo	CHH	-0.0959
Gm02	38206647	38207631	Gmdrm	hypo	CHH	-0.1849
Gm02	38250199	38251197	Gmdrm	hypo	CHH	-0.092
Gm02	38251200	38251896	Gmdrm	hypo	CHH	-0.0773
Gm02	38264394	38265393	Gmdrm	hypo	CHH	-0.2094
Gm02	38265395	38266395	Gmdrm	hypo	CHH	-0.1383
Gm02	38266398	38267395	Gmdrm	hypo	CHH	-0.1137
Gm02	38267400	38267745	Gmdrm	hypo	CHH	-0.2647
Gm02	38267861	38268861	Gmdrm	hypo	CHH	-0.1478
Gm02	38270474	38271468	Gmdrm	hypo	CHH	-0.0478
Gm02	38271478	38272469	Gmdrm	hypo	CHH	-0.2031
Gm02	38275819	38276816	Gmdrm	hypo	CHH	-0.0253
Gm02	38278733	38278873	Gmdrm	hypo	CHH	-0.0436
Gm02	38279270	38280252	Gmdrm	hypo	CHH	-0.0336
Gm02	38280278	38281278	Gmdrm	hypo	CHH	-0.0111
Gm02	38310030	38311016	Gmdrm	hypo	CHH	-0.0981
Gm02	38311033	38311354	Gmdrm	hypo	CHH	-0.1022
Gm02	38311589	38312384	Gmdrm	hypo	CHH	-0.0172
Gm02	38325626	38325740	Gmdrm	hypo	CHH	-0.0923
Gm02	38356952	38357943	Gmdrm	hypo	CHH	-0.0177
Gm02	38364757	38365750	Gmdrm	hypo	CHH	-0.0304
Gm02	38365765	38366763	Gmdrm	hypo	CHH	-0.044
Gm02	38370816	38371809	Gmdrm	hypo	CHH	-0.027
Gm02	38371844	38372843	Gmdrm	hypo	CHH	-0.0452
Gm02	38404949	38405589	Gmdrm	hypo	CHH	-0.0172
Gm02	38448710	38449706	Gmdrm	hypo	CHH	-0.0376
Gm02	38450719	38451698	Gmdrm	hypo	CHH	-0.0446
Gm02	38455812	38456777	Gmdrm	hypo	CHH	-0.2249

Gm02	38459856	38459944	Gmdrm	hypo	CHH	-0.0245
Gm02	38463428	38464428	Gmdrm	hypo	CHH	-0.0635
Gm02	38482405	38483405	Gmdrm	hypo	CHH	-0.0264
Gm02	38507654	38508392	Gmdrm	hypo	CHH	-0.1245
Gm02	38508535	38509495	Gmdrm	hypo	CHH	-0.0497
Gm02	38511323	38512298	Gmdrm	hypo	CHH	-0.028
Gm02	38520647	38521644	Gmdrm	hypo	CHH	-0.0635
Gm02	38531226	38531983	Gmdrm	hypo	CHH	-0.0222
Gm02	38532532	38533527	Gmdrm	hypo	CHH	-0.019
Gm02	38533538	38534533	Gmdrm	hypo	CHH	-0.0307
Gm02	38534541	38535527	Gmdrm	hypo	CHH	-0.041
Gm02	38540456	38541446	Gmdrm	hypo	CHH	-0.062
Gm02	38550784	38550890	Gmdrm	hypo	CHH	-0.1108
Gm02	38551318	38552314	Gmdrm	hypo	CHH	-0.0923
Gm02	38556530	38557512	Gmdrm	hypo	CHH	-0.0461
Gm02	38557536	38558535	Gmdrm	hypo	CHH	-0.0566
Gm02	38559188	38559825	Gmdrm	hypo	CHH	-0.0587
Gm02	38560066	38560714	Gmdrm	hypo	CHH	-0.0622
Gm02	38573138	38574134	Gmdrm	hypo	CHH	-0.0219
Gm02	38575349	38575967	Gmdrm	hypo	CHH	-0.0238
Gm02	38584023	38585019	Gmdrm	hypo	CHH	-0.0494
Gm02	38585024	38585722	Gmdrm	hypo	CHH	-0.0783
Gm02	38602995	38603983	Gmdrm	hypo	CHH	-0.0459
Gm02	38651479	38652465	Gmdrm	hypo	CHH	-0.0244
Gm02	38654197	38655190	Gmdrm	hypo	CHH	-0.0304
Gm02	38661227	38661675	Gmdrm	hypo	CHH	-0.0292
Gm02	38662902	38663902	Gmdrm	hypo	CHH	-0.0784
Gm02	38690431	38691430	Gmdrm	hypo	CHH	-0.042
Gm02	38694567	38695560	Gmdrm	hypo	CHH	-0.0144
Gm02	38696170	38697165	Gmdrm	hypo	CHH	-0.0173
Gm02	38701429	38702412	Gmdrm	hypo	CHH	-0.0242
Gm02	38713417	38714386	Gmdrm	hypo	CHH	-0.0281
Gm02	38724079	38725077	Gmdrm	hypo	CHH	-0.0128
Gm02	38729488	38730222	Gmdrm	hypo	CHH	-0.029
Gm02	38736252	38737252	Gmdrm	hypo	CHH	-0.0826
Gm02	38737254	38738254	Gmdrm	hypo	CHH	-0.0413
Gm02	38738256	38739252	Gmdrm	hypo	CHH	-0.0396
Gm02	38749338	38750316	Gmdrm	hypo	CHH	-0.0428
Gm02	38757903	38758488	Gmdrm	hypo	CHH	-0.0512
Gm02	38762824	38763812	Gmdrm	hypo	CHH	-0.0391
Gm02	38778954	38779953	Gmdrm	hypo	CHH	-0.023
Gm02	38797871	38798829	Gmdrm	hypo	CHH	-0.0535
Gm02	38802085	38803059	Gmdrm	hypo	CHH	-0.115
Gm02	38804282	38805252	Gmdrm	hypo	CHH	-0.1017
Gm02	38824334	38825008	Gmdrm	hypo	CHH	-0.0283
Gm02	38827119	38828099	Gmdrm	hypo	CHH	-0.0482

Gm02	38842386	38843365	Gmdrm	hypo	CHH	-0.0359
Gm02	38845455	38846455	Gmdrm	hypo	CHH	-0.0208
Gm02	38846515	38847513	Gmdrm	hypo	CHH	-0.0232
Gm02	38851752	38852751	Gmdrm	hypo	CHH	-0.0181
Gm02	38858953	38859414	Gmdrm	hypo	CHH	-0.0438
Gm02	38859522	38860469	Gmdrm	hypo	CHH	-0.0186
Gm02	38861124	38862124	Gmdrm	hypo	CHH	-0.1031
Gm02	38862125	38863118	Gmdrm	hypo	CHH	-0.0943
Gm02	38892345	38893342	Gmdrm	hypo	CHH	-0.0629
Gm02	38909886	38910854	Gmdrm	hypo	CHH	-0.0213
Gm02	38931560	38932557	Gmdrm	hypo	CHH	-0.034
Gm02	38955118	38956080	Gmdrm	hypo	CHH	-0.0463
Gm02	38957191	38957964	Gmdrm	hypo	CHH	-0.0165
Gm02	38960278	38960997	Gmdrm	hypo	CHH	-0.021
Gm02	39003283	39003369	Gmdrm	hypo	CHH	-0.0975
Gm02	39013416	39014395	Gmdrm	hypo	CHH	-0.0179
Gm02	39016996	39017992	Gmdrm	hypo	CHH	-0.0869
Gm02	39028200	39029131	Gmdrm	hypo	CHH	-0.0247
Gm02	39050283	39051267	Gmdrm	hypo	CHH	-0.0118
Gm02	39052316	39053315	Gmdrm	hypo	CHH	-0.0135
Gm02	39059378	39060367	Gmdrm	hypo	CHH	-0.1321
Gm02	39061331	39062331	Gmdrm	hypo	CHH	-0.0555
Gm02	39089298	39090287	Gmdrm	hypo	CHH	-0.0429
Gm02	39102267	39103259	Gmdrm	hypo	CHH	-0.032
Gm02	39103268	39103898	Gmdrm	hypo	CHH	-0.0465
Gm02	39105141	39106139	Gmdrm	hypo	CHH	-0.0229
Gm02	39126989	39127967	Gmdrm	hypo	CHH	-0.046
Gm02	39129274	39130269	Gmdrm	hypo	CHH	-0.1005
Gm02	39130291	39131291	Gmdrm	hypo	CHH	-0.0432
Gm02	39131292	39132287	Gmdrm	hypo	CHH	-0.0339
Gm02	39133128	39134128	Gmdrm	hypo	CHH	-0.0126
Gm02	39140150	39141146	Gmdrm	hypo	CHH	-0.0316
Gm02	39157179	39158151	Gmdrm	hypo	CHH	-0.0146
Gm02	39163657	39164615	Gmdrm	hypo	CHH	-0.1025
Gm02	39177625	39178623	Gmdrm	hypo	CHH	-0.1692
Gm02	39178636	39179636	Gmdrm	hypo	CHH	-0.0905
Gm02	39179646	39180198	Gmdrm	hypo	CHH	-0.1956
Gm02	39188639	39189637	Gmdrm	hypo	CHH	-0.061
Gm02	39190807	39191132	Gmdrm	hypo	CHH	-0.1331
Gm02	39194575	39195572	Gmdrm	hypo	CHH	-0.0727
Gm02	39250495	39251475	Gmdrm	hypo	CHH	-0.0332
Gm02	39253525	39254413	Gmdrm	hypo	CHH	-0.0138
Gm02	39256597	39257593	Gmdrm	hypo	CHH	-0.0237
Gm02	39257624	39258623	Gmdrm	hypo	CHH	-0.0195
Gm02	39269419	39270415	Gmdrm	hypo	CHH	-0.0118
Gm02	39287832	39288811	Gmdrm	hypo	CHH	-0.0272

Gm02	39297508	39298487	Gmdrm	hypo	CHH	-0.0201
Gm02	39311575	39312571	Gmdrm	hypo	CHH	-0.0546
Gm02	39312583	39313577	Gmdrm	hypo	CHH	-0.0486
Gm02	39336791	39337589	Gmdrm	hypo	CHH	-0.0169
Gm02	39369748	39370739	Gmdrm	hypo	CHH	-0.0254
Gm02	39407807	39407895	Gmdrm	hypo	CHH	-0.0312
Gm02	39409319	39410312	Gmdrm	hypo	CHH	-0.0151
Gm02	39410342	39411323	Gmdrm	hypo	CHH	-0.0139
Gm02	39443440	39443986	Gmdrm	hypo	CHH	-0.0496
Gm02	39444097	39444572	Gmdrm	hypo	CHH	-0.1331
Gm02	39452529	39453526	Gmdrm	hypo	CHH	-0.0417
Gm02	39453541	39454454	Gmdrm	hypo	CHH	-0.0768
Gm02	39455582	39456579	Gmdrm	hypo	CHH	-0.0978
Gm02	39458623	39459621	Gmdrm	hypo	CHH	-0.0324
Gm02	39459636	39460298	Gmdrm	hypo	CHH	-0.025
Gm02	39462346	39463337	Gmdrm	hypo	CHH	-0.3852
Gm02	39463351	39464349	Gmdrm	hypo	CHH	-0.0202
Gm02	39465393	39466389	Gmdrm	hypo	CHH	-0.0729
Gm02	39475530	39476519	Gmdrm	hypo	CHH	-0.0314
Gm02	39478683	39479677	Gmdrm	hypo	CHH	-0.1849
Gm02	39482342	39483340	Gmdrm	hypo	CHH	-0.1908
Gm02	39483343	39484341	Gmdrm	hypo	CHH	-0.0672
Gm02	39486170	39487150	Gmdrm	hypo	CHH	-0.0636
Gm02	39487175	39488166	Gmdrm	hypo	CHH	-0.0414
Gm02	39488180	39488702	Gmdrm	hypo	CHH	-0.0387
Gm02	39488812	39489811	Gmdrm	hypo	CHH	-0.0926
Gm02	39489814	39490768	Gmdrm	hypo	CHH	-0.0801
Gm02	39490900	39491900	Gmdrm	hypo	CHH	-0.0942
Gm02	39526291	39527286	Gmdrm	hypo	CHH	-0.0151
Gm02	39529794	39530790	Gmdrm	hypo	CHH	-0.2458
Gm02	39544036	39545007	Gmdrm	hypo	CHH	-0.1578
Gm02	39546502	39547492	Gmdrm	hypo	CHH	-0.0641
Gm02	39555704	39556697	Gmdrm	hypo	CHH	-0.0687
Gm02	39558791	39559579	Gmdrm	hypo	CHH	-0.0451
Gm02	39560099	39560643	Gmdrm	hypo	CHH	-0.0213
Gm02	39605338	39606309	Gmdrm	hypo	CHH	-0.1013
Gm02	39606342	39607341	Gmdrm	hypo	CHH	-0.0857
Gm02	39610007	39611007	Gmdrm	hypo	CHH	-0.0497
Gm02	39611008	39612000	Gmdrm	hypo	CHH	-0.0358
Gm02	39613013	39614005	Gmdrm	hypo	CHH	-0.0602
Gm02	39619484	39620460	Gmdrm	hypo	CHH	-0.0249
Gm02	39652843	39653420	Gmdrm	hypo	CHH	-0.1616
Gm02	39669011	39669985	Gmdrm	hypo	CHH	-0.0849
Gm02	39696129	39697128	Gmdrm	hypo	CHH	-0.0342
Gm02	39708842	39709737	Gmdrm	hypo	CHH	-0.0564
Gm02	39709838	39710823	Gmdrm	hypo	CHH	-0.046

Gm02	39711861	39712858	Gmdrm	hypo	CHH	-0.0181
Gm02	39720923	39721389	Gmdrm	hypo	CHH	-0.0417
Gm02	39722551	39723551	Gmdrm	hypo	CHH	-0.0676
Gm02	39744449	39745447	Gmdrm	hypo	CHH	-0.0364
Gm02	39747724	39748701	Gmdrm	hypo	CHH	-0.0247
Gm02	39748769	39749765	Gmdrm	hypo	CHH	-0.0682
Gm02	39756694	39757690	Gmdrm	hypo	CHH	-0.0386
Gm02	39758882	39759877	Gmdrm	hypo	CHH	-0.0383
Gm02	39790813	39791808	Gmdrm	hypo	CHH	-0.0409
Gm02	39818210	39819206	Gmdrm	hypo	CHH	-0.101
Gm02	39829143	39830140	Gmdrm	hypo	CHH	-0.0479
Gm02	39831195	39832194	Gmdrm	hypo	CHH	-0.0636
Gm02	39874578	39875567	Gmdrm	hypo	CHH	-0.0318
Gm02	39883710	39884706	Gmdrm	hypo	CHH	-0.015
Gm02	39921115	39922095	Gmdrm	hypo	CHH	-0.0226
Gm02	39923123	39924104	Gmdrm	hypo	CHH	-0.03
Gm02	39924979	39925973	Gmdrm	hypo	CHH	-0.0853
Gm02	39925980	39926891	Gmdrm	hypo	CHH	-0.1806
Gm02	39934940	39935932	Gmdrm	hypo	CHH	-0.0668
Gm02	39943015	39944015	Gmdrm	hypo	CHH	-0.037
Gm02	39944023	39945021	Gmdrm	hypo	CHH	-0.035
Gm02	39945823	39946808	Gmdrm	hypo	CHH	-0.0142
Gm02	40007279	40008278	Gmdrm	hypo	CHH	-0.0421
Gm02	40043095	40043267	Gmdrm	hypo	CHH	-0.2033
Gm02	40076297	40077294	Gmdrm	hypo	CHH	-0.0754
Gm02	40077394	40078394	Gmdrm	hypo	CHH	-0.2058
Gm02	40092255	40093218	Gmdrm	hypo	CHH	-0.0159
Gm02	40093969	40094954	Gmdrm	hypo	CHH	-0.0248
Gm02	40104407	40105383	Gmdrm	hypo	CHH	-0.0195
Gm02	40128341	40129328	Gmdrm	hypo	CHH	-0.0319
Gm02	40134326	40135309	Gmdrm	hypo	CHH	-0.0869
Gm02	40141620	40142592	Gmdrm	hypo	CHH	-0.0592
Gm02	40142648	40143605	Gmdrm	hypo	CHH	-0.0595
Gm02	40145197	40146193	Gmdrm	hypo	CHH	-0.0918
Gm02	40173434	40174428	Gmdrm	hypo	CHH	-0.0166
Gm02	40175372	40176369	Gmdrm	hypo	CHH	-0.0564
Gm02	40176374	40177346	Gmdrm	hypo	CHH	-0.053
Gm02	40177867	40178859	Gmdrm	hypo	CHH	-0.0291
Gm02	40178873	40179861	Gmdrm	hypo	CHH	-0.031
Gm02	40179874	40180847	Gmdrm	hypo	CHH	-0.0118
Gm02	40188983	40189916	Gmdrm	hypo	CHH	-0.0726
Gm02	40190117	40191114	Gmdrm	hypo	CHH	-0.0922
Gm02	40192151	40192321	Gmdrm	hypo	CHH	-0.0983
Gm02	40202770	40203755	Gmdrm	hypo	CHH	-0.027
Gm02	40210227	40211128	Gmdrm	hypo	CHH	-0.1628
Gm02	40256549	40257537	Gmdrm	hypo	CHH	-0.0795

Gm02	40266663	40267663 Gmdrm	hypo	CHH	-0.0396
Gm02	40274299	40274510 Gmdrm	hypo	CHH	-0.038
Gm02	40278982	40279974 Gmdrm	hypo	CHH	-0.0974
Gm02	40279985	40280976 Gmdrm	hypo	CHH	-0.0369
Gm02	40289671	40290670 Gmdrm	hypo	CHH	-0.0752
Gm02	40290673	40290809 Gmdrm	hypo	CHH	-0.0797
Gm02	40296123	40296688 Gmdrm	hypo	CHH	-0.0985
Gm02	40330294	40331276 Gmdrm	hypo	CHH	-0.0657
Gm02	40331297	40332063 Gmdrm	hypo	CHH	-0.0704
Gm02	40333346	40334172 Gmdrm	hypo	CHH	-0.0429
Gm02	40364818	40365804 Gmdrm	hypo	CHH	-0.0397
Gm02	40365829	40366806 Gmdrm	hypo	CHH	-0.0291
Gm02	40367854	40368713 Gmdrm	hypo	CHH	-0.1505
Gm02	40377985	40378976 Gmdrm	hypo	CHH	-0.1009
Gm02	40378998	40379992 Gmdrm	hypo	CHH	-0.1405
Gm02	40380002	40380979 Gmdrm	hypo	CHH	-0.2694
Gm02	40385430	40385783 Gmdrm	hypo	CHH	-0.0258
Gm02	40388502	40389499 Gmdrm	hypo	CHH	-0.0279
Gm02	40389503	40390472 Gmdrm	hypo	CHH	-0.0472
Gm02	40395694	40396688 Gmdrm	hypo	CHH	-0.0901
Gm02	40402720	40403719 Gmdrm	hypo	CHH	-0.0453
Gm02	40426133	40427120 Gmdrm	hypo	CHH	-0.0138
Gm02	40428248	40429241 Gmdrm	hypo	CHH	-0.064
Gm02	40434371	40435360 Gmdrm	hypo	CHH	-0.0409
Gm02	40436413	40437333 Gmdrm	hypo	CHH	-0.0654
Gm02	40438470	40439453 Gmdrm	hypo	CHH	-0.0685
Gm02	40445299	40446275 Gmdrm	hypo	CHH	-0.0487
Gm02	40455135	40456135 Gmdrm	hypo	CHH	-0.0305
Gm02	40456154	40457075 Gmdrm	hypo	CHH	-0.0134
Gm02	40459755	40460679 Gmdrm	hypo	CHH	-0.0581
Gm02	40465041	40465091 Gmdrm	hypo	CHH	-0.075
Gm02	40481596	40482584 Gmdrm	hypo	CHH	-0.0552
Gm02	40482617	40483592 Gmdrm	hypo	CHH	-0.1131
Gm02	40483619	40484619 Gmdrm	hypo	CHH	-0.0366
Gm02	40484629	40485627 Gmdrm	hypo	CHH	-0.0592
Gm02	40487386	40488364 Gmdrm	hypo	CHH	-0.0254
Gm02	40545601	40546316 Gmdrm	hypo	CHH	-0.0853
Gm02	40554107	40555105 Gmdrm	hypo	CHH	-0.0162
Gm02	40561948	40562943 Gmdrm	hypo	CHH	-0.1038
Gm02	40576688	40577687 Gmdrm	hypo	CHH	-0.0187
Gm02	40589172	40590172 Gmdrm	hypo	CHH	-0.1895
Gm02	40590183	40591173 Gmdrm	hypo	CHH	-0.0866
Gm02	40606979	40607952 Gmdrm	hypo	CHH	-0.0137
Gm02	40610570	40611557 Gmdrm	hypo	CHH	-0.0657
Gm02	40616392	40617357 Gmdrm	hypo	CHH	-0.0774
Gm02	40618425	40619418 Gmdrm	hypo	CHH	-0.0173

Gm02	40622196	40623188	Gmdrm	hypo	CHH	-0.0456
Gm02	40637862	40638848	Gmdrm	hypo	CHH	-0.2729
Gm02	40640108	40641086	Gmdrm	hypo	CHH	-0.0486
Gm02	40648712	40649666	Gmdrm	hypo	CHH	-0.0491
Gm02	40650733	40651212	Gmdrm	hypo	CHH	-0.0947
Gm02	40670028	40671021	Gmdrm	hypo	CHH	-0.0646
Gm02	40671029	40671318	Gmdrm	hypo	CHH	-0.1411
Gm02	40688584	40689251	Gmdrm	hypo	CHH	-0.0869
Gm02	40695092	40696090	Gmdrm	hypo	CHH	-0.1002
Gm02	40696097	40697093	Gmdrm	hypo	CHH	-0.0481
Gm02	40697130	40698124	Gmdrm	hypo	CHH	-0.0583
Gm02	40711710	40712709	Gmdrm	hypo	CHH	-0.0431
Gm02	40712732	40713728	Gmdrm	hypo	CHH	-0.0475
Gm02	40713737	40714699	Gmdrm	hypo	CHH	-0.0222
Gm02	40721223	40722210	Gmdrm	hypo	CHH	-0.0136
Gm02	40727645	40728636	Gmdrm	hypo	CHH	-0.0873
Gm02	40728646	40729645	Gmdrm	hypo	CHH	-0.064
Gm02	40737169	40738169	Gmdrm	hypo	CHH	-0.0838
Gm02	40738180	40739166	Gmdrm	hypo	CHH	-0.2472
Gm02	40743183	40744156	Gmdrm	hypo	CHH	-0.1115
Gm02	40750698	40750800	Gmdrm	hypo	CHH	-0.0533
Gm02	40759889	40760864	Gmdrm	hypo	CHH	-0.0188
Gm02	40760911	40761906	Gmdrm	hypo	CHH	-0.0611
Gm02	40762921	40763921	Gmdrm	hypo	CHH	-0.014
Gm02	40770761	40771728	Gmdrm	hypo	CHH	-0.0286
Gm02	40772890	40773311	Gmdrm	hypo	CHH	-0.0317
Gm02	40775863	40776857	Gmdrm	hypo	CHH	-0.0192
Gm02	40779636	40780626	Gmdrm	hypo	CHH	-0.0262
Gm02	40799865	40800770	Gmdrm	hypo	CHH	-0.0317
Gm02	40803682	40803960	Gmdrm	hypo	CHH	-0.0696
Gm02	40804613	40805574	Gmdrm	hypo	CHH	-0.0158
Gm02	40815226	40816226	Gmdrm	hypo	CHH	-0.1792
Gm02	40816230	40817225	Gmdrm	hypo	CHH	-0.1488
Gm02	40817240	40818220	Gmdrm	hypo	CHH	-0.215
Gm02	40824055	40825044	Gmdrm	hypo	CHH	-0.2315
Gm02	40831446	40832442	Gmdrm	hypo	CHH	-0.0421
Gm02	40832451	40833451	Gmdrm	hypo	CHH	-0.2071
Gm02	40833452	40834446	Gmdrm	hypo	CHH	-0.0141
Gm02	40841667	40842667	Gmdrm	hypo	CHH	-0.0718
Gm02	40842679	40843679	Gmdrm	hypo	CHH	-0.0391
Gm02	40853562	40854557	Gmdrm	hypo	CHH	-0.0191
Gm02	40855192	40856013	Gmdrm	hypo	CHH	-0.0613
Gm02	40856132	40857130	Gmdrm	hypo	CHH	-0.0827
Gm02	40857133	40858130	Gmdrm	hypo	CHH	-0.0492
Gm02	40858549	40859535	Gmdrm	hypo	CHH	-0.0246
Gm02	40860985	40861954	Gmdrm	hypo	CHH	-0.0328

Gm02	40864151	40865084	Gmdrm	hypo	CHH	-0.0377
Gm02	40867551	40868536	Gmdrm	hypo	CHH	-0.0293
Gm02	40874175	40875169	Gmdrm	hypo	CHH	-0.05
Gm02	40875178	40876177	Gmdrm	hypo	CHH	-0.1268
Gm02	40876183	40877163	Gmdrm	hypo	CHH	-0.0185
Gm02	40883464	40884462	Gmdrm	hypo	CHH	-0.1054
Gm02	40884466	40885451	Gmdrm	hypo	CHH	-0.0587
Gm02	40898693	40898904	Gmdrm	hypo	CHH	-0.0564
Gm02	40900326	40901277	Gmdrm	hypo	CHH	-0.0208
Gm02	40909282	40909499	Gmdrm	hypo	CHH	-0.0491
Gm02	40910632	40911622	Gmdrm	hypo	CHH	-0.0318
Gm02	40919032	40920016	Gmdrm	hypo	CHH	-0.0313
Gm02	40932372	40933228	Gmdrm	hypo	CHH	-0.0688
Gm02	40935297	40936296	Gmdrm	hypo	CHH	-0.0372
Gm02	40936299	40936887	Gmdrm	hypo	CHH	-0.0517
Gm02	40937047	40938037	Gmdrm	hypo	CHH	-0.0796
Gm02	40953404	40954387	Gmdrm	hypo	CHH	-0.0218
Gm02	40954418	40955399	Gmdrm	hypo	CHH	-0.2425
Gm02	40958807	40959792	Gmdrm	hypo	CHH	-0.016
Gm02	40959910	40960891	Gmdrm	hypo	CHH	-0.015
Gm02	40978978	40979946	Gmdrm	hypo	CHH	-0.3599
Gm02	40984064	40985062	Gmdrm	hypo	CHH	-0.1062
Gm02	40985071	40985774	Gmdrm	hypo	CHH	-0.0175
Gm02	40986250	40986404	Gmdrm	hypo	CHH	-0.056
Gm02	40994897	40995143	Gmdrm	hypo	CHH	-0.0993
Gm02	41004579	41005559	Gmdrm	hypo	CHH	-0.1686
Gm02	41005581	41006581	Gmdrm	hypo	CHH	-0.0182
Gm02	41013956	41014953	Gmdrm	hypo	CHH	-0.11
Gm02	41014958	41015941	Gmdrm	hypo	CHH	-0.1329
Gm02	41015995	41016965	Gmdrm	hypo	CHH	-0.0497
Gm02	41021015	41021576	Gmdrm	hypo	CHH	-0.0607
Gm02	41021990	41022377	Gmdrm	hypo	CHH	-0.0309
Gm02	41042972	41043959	Gmdrm	hypo	CHH	-0.054
Gm02	41045626	41046613	Gmdrm	hypo	CHH	-0.0282
Gm02	41048097	41049082	Gmdrm	hypo	CHH	-0.0178
Gm02	41050430	41051420	Gmdrm	hypo	CHH	-0.0291
Gm02	41054457	41055446	Gmdrm	hypo	CHH	-0.0892
Gm02	41059483	41059966	Gmdrm	hypo	CHH	-0.178
Gm02	41065312	41066286	Gmdrm	hypo	CHH	-0.1346
Gm02	41066323	41067319	Gmdrm	hypo	CHH	-0.1354
Gm02	41068343	41068955	Gmdrm	hypo	CHH	-0.02
Gm02	41096940	41097940	Gmdrm	hypo	CHH	-0.0165
Gm02	41098134	41099116	Gmdrm	hypo	CHH	-0.1006
Gm02	41106147	41106755	Gmdrm	hypo	CHH	-0.0251
Gm02	41111932	41112918	Gmdrm	hypo	CHH	-0.022
Gm02	41114001	41114662	Gmdrm	hypo	CHH	-0.0242

Gm02	41124280	41125250 Gmdrm	hypo	CHH	-0.0261
Gm02	41126464	41127444 Gmdrm	hypo	CHH	-0.0941
Gm02	41128296	41129263 Gmdrm	hypo	CHH	-0.0128
Gm02	41133385	41134368 Gmdrm	hypo	CHH	-0.0856
Gm02	41146698	41147690 Gmdrm	hypo	CHH	-0.0426
Gm02	41151653	41152649 Gmdrm	hypo	CHH	-0.0212
Gm02	41159771	41160768 Gmdrm	hypo	CHH	-0.025
Gm02	41162804	41163800 Gmdrm	hypo	CHH	-0.0256
Gm02	41163811	41164765 Gmdrm	hypo	CHH	-0.2064
Gm02	41168516	41169514 Gmdrm	hypo	CHH	-0.0524
Gm02	41187389	41188385 Gmdrm	hypo	CHH	-0.2943
Gm02	41193446	41194440 Gmdrm	hypo	CHH	-0.1341
Gm02	41198439	41199438 Gmdrm	hypo	CHH	-0.0597
Gm02	41199441	41200440 Gmdrm	hypo	CHH	-0.0669
Gm02	41204475	41205474 Gmdrm	hypo	CHH	-0.1046
Gm02	41206503	41207499 Gmdrm	hypo	CHH	-0.0129
Gm02	41207508	41207725 Gmdrm	hypo	CHH	-0.0405
Gm02	41209104	41210104 Gmdrm	hypo	CHH	-0.122
Gm02	41223609	41224593 Gmdrm	hypo	CHH	-0.0592
Gm02	41229125	41230125 Gmdrm	hypo	CHH	-0.0481
Gm02	41254862	41255605 Gmdrm	hypo	CHH	-0.0234
Gm02	41276202	41277184 Gmdrm	hypo	CHH	-0.0191
Gm02	41279208	41280202 Gmdrm	hypo	CHH	-0.0421
Gm02	41282715	41283686 Gmdrm	hypo	CHH	-0.0887
Gm02	41295289	41296286 Gmdrm	hypo	CHH	-0.0448
Gm02	41296295	41297275 Gmdrm	hypo	CHH	-0.0112
Gm02	41302358	41303353 Gmdrm	hypo	CHH	-0.194
Gm02	41303361	41304356 Gmdrm	hypo	CHH	-0.0483
Gm02	41310745	41311730 Gmdrm	hypo	CHH	-0.057
Gm02	41311756	41312740 Gmdrm	hypo	CHH	-0.1082
Gm02	41372784	41373344 Gmdrm	hypo	CHH	-0.0502
Gm02	41374205	41375166 Gmdrm	hypo	CHH	-0.0722
Gm02	41376043	41376662 Gmdrm	hypo	CHH	-0.013
Gm02	41384888	41385805 Gmdrm	hypo	CHH	-0.0157
Gm02	41393216	41394205 Gmdrm	hypo	CHH	-0.301
Gm02	41394219	41394417 Gmdrm	hypo	CHH	-0.2886
Gm02	41408247	41409218 Gmdrm	hypo	CHH	-0.056
Gm02	41413566	41414552 Gmdrm	hypo	CHH	-0.0422
Gm02	41422007	41422978 Gmdrm	hypo	CHH	-0.0558
Gm02	41429855	41430851 Gmdrm	hypo	CHH	-0.1386
Gm02	41430857	41431852 Gmdrm	hypo	CHH	-0.0403
Gm02	41433868	41434860 Gmdrm	hypo	CHH	-0.0344
Gm02	41439626	41440623 Gmdrm	hypo	CHH	-0.0585
Gm02	41440627	41441568 Gmdrm	hypo	CHH	-0.0596
Gm02	41444991	41445057 Gmdrm	hypo	CHH	-0.044
Gm02	41452862	41452994 Gmdrm	hypo	CHH	-0.0434

Gm02	41456105	41457104	Gmdrm	hypo	CHH	-0.0324
Gm02	41463129	41464127	Gmdrm	hypo	CHH	-0.0648
Gm02	41464133	41465133	Gmdrm	hypo	CHH	-0.1142
Gm02	41472874	41473841	Gmdrm	hypo	CHH	-0.0454
Gm02	41494859	41495243	Gmdrm	hypo	CHH	-0.0184
Gm02	41496450	41497448	Gmdrm	hypo	CHH	-0.0489
Gm02	41506585	41506969	Gmdrm	hypo	CHH	-0.1383
Gm02	41512462	41513459	Gmdrm	hypo	CHH	-0.0245
Gm02	41516551	41517546	Gmdrm	hypo	CHH	-0.0131
Gm02	41532570	41533552	Gmdrm	hypo	CHH	-0.2869
Gm02	41533617	41534137	Gmdrm	hypo	CHH	-0.1308
Gm02	41534304	41535186	Gmdrm	hypo	CHH	-0.1911
Gm02	41536816	41537801	Gmdrm	hypo	CHH	-0.0686
Gm02	41538825	41539806	Gmdrm	hypo	CHH	-0.0238
Gm02	41539874	41540864	Gmdrm	hypo	CHH	-0.0208
Gm02	41547315	41548314	Gmdrm	hypo	CHH	-0.0881
Gm02	41548318	41549318	Gmdrm	hypo	CHH	-0.0946
Gm02	41549326	41550312	Gmdrm	hypo	CHH	-0.0708
Gm02	41552612	41553588	Gmdrm	hypo	CHH	-0.0178
Gm02	41555717	41556680	Gmdrm	hypo	CHH	-0.1001
Gm02	41567175	41567987	Gmdrm	hypo	CHH	-0.0219
Gm02	41580217	41580780	Gmdrm	hypo	CHH	-0.0269
Gm02	41581301	41582282	Gmdrm	hypo	CHH	-0.0163
Gm02	41583325	41584324	Gmdrm	hypo	CHH	-0.2523
Gm02	41589168	41590167	Gmdrm	hypo	CHH	-0.2103
Gm02	41590174	41591082	Gmdrm	hypo	CHH	-0.0391
Gm02	41591190	41592177	Gmdrm	hypo	CHH	-0.2802
Gm02	41598689	41599689	Gmdrm	hypo	CHH	-0.0241
Gm02	41600821	41601799	Gmdrm	hypo	CHH	-0.0539
Gm02	41602308	41602690	Gmdrm	hypo	CHH	-0.1227
Gm02	41605676	41606675	Gmdrm	hypo	CHH	-0.0396
Gm02	41608420	41609418	Gmdrm	hypo	CHH	-0.0164
Gm02	41610985	41611094	Gmdrm	hypo	CHH	-0.065
Gm02	41616696	41617574	Gmdrm	hypo	CHH	-0.0228
Gm02	41617710	41618708	Gmdrm	hypo	CHH	-0.1393
Gm02	41619637	41620637	Gmdrm	hypo	CHH	-0.0145
Gm02	41633376	41634352	Gmdrm	hypo	CHH	-0.0487
Gm02	41634383	41635353	Gmdrm	hypo	CHH	-0.0319
Gm02	41645110	41646092	Gmdrm	hypo	CHH	-0.0747
Gm02	41646121	41647119	Gmdrm	hypo	CHH	-0.0388
Gm02	41652009	41652135	Gmdrm	hypo	CHH	-0.06
Gm02	41655398	41656392	Gmdrm	hypo	CHH	-0.0189
Gm02	41656407	41657379	Gmdrm	hypo	CHH	-0.1211
Gm02	41658028	41658995	Gmdrm	hypo	CHH	-0.0494
Gm02	41663590	41664409	Gmdrm	hypo	CHH	-0.0547
Gm02	41665104	41666104	Gmdrm	hypo	CHH	-0.058

Gm02	41666106	41667089	Gmdrm	hypo	CHH	-0.0225
Gm02	41676832	41677810	Gmdrm	hypo	CHH	-0.034
Gm02	41677835	41678488	Gmdrm	hypo	CHH	-0.0535
Gm02	41681507	41682507	Gmdrm	hypo	CHH	-0.1171
Gm02	41682708	41683704	Gmdrm	hypo	CHH	-0.0238
Gm02	41683740	41684735	Gmdrm	hypo	CHH	-0.0212
Gm02	41684749	41685705	Gmdrm	hypo	CHH	-0.0144
Gm02	41689764	41690729	Gmdrm	hypo	CHH	-0.2431
Gm02	41706619	41707617	Gmdrm	hypo	CHH	-0.0845
Gm02	41713372	41714372	Gmdrm	hypo	CHH	-0.0182
Gm02	41718862	41719824	Gmdrm	hypo	CHH	-0.0093
Gm02	41726553	41727552	Gmdrm	hypo	CHH	-0.015
Gm02	41729988	41730986	Gmdrm	hypo	CHH	-0.1088
Gm02	41746310	41747053	Gmdrm	hypo	CHH	-0.016
Gm02	41749407	41750155	Gmdrm	hypo	CHH	-0.0307
Gm02	41753404	41754395	Gmdrm	hypo	CHH	-0.1437
Gm02	41802504	41803265	Gmdrm	hypo	CHH	-0.0182
Gm02	41810704	41811103	Gmdrm	hypo	CHH	-0.0333
Gm02	41813837	41814371	Gmdrm	hypo	CHH	-0.022
Gm02	41824717	41825658	Gmdrm	hypo	CHH	-0.0297
Gm02	41839853	41840823	Gmdrm	hypo	CHH	-0.0204
Gm02	41845061	41845249	Gmdrm	hypo	CHH	-0.0958
Gm02	41857226	41857878	Gmdrm	hypo	CHH	-0.0241
Gm02	41871698	41872694	Gmdrm	hypo	CHH	-0.0176
Gm02	41884642	41885640	Gmdrm	hypo	CHH	-0.0479
Gm02	41885646	41886645	Gmdrm	hypo	CHH	-0.0473
Gm02	41886672	41887600	Gmdrm	hypo	CHH	-0.0165
Gm02	41889756	41890742	Gmdrm	hypo	CHH	-0.0118
Gm02	41891726	41892725	Gmdrm	hypo	CHH	-0.0232
Gm02	41894659	41895633	Gmdrm	hypo	CHH	-0.0116
Gm02	41896082	41897027	Gmdrm	hypo	CHH	-0.0192
Gm02	41900769	41900988	Gmdrm	hypo	CHH	-0.0409
Gm02	41905781	41906505	Gmdrm	hypo	CHH	-0.0217
Gm02	41907589	41908054	Gmdrm	hypo	CHH	-0.0249
Gm02	41908369	41908476	Gmdrm	hypo	CHH	-0.085
Gm02	41909677	41910664	Gmdrm	hypo	CHH	-0.0802
Gm02	41918717	41919708	Gmdrm	hypo	CHH	-0.0383
Gm02	41923844	41924843	Gmdrm	hypo	CHH	-0.0189
Gm02	41924845	41925830	Gmdrm	hypo	CHH	-0.0227
Gm02	41938459	41939444	Gmdrm	hypo	CHH	-0.0671
Gm02	41940213	41941170	Gmdrm	hypo	CHH	-0.0147
Gm02	41942559	41943553	Gmdrm	hypo	CHH	-0.0719
Gm02	41949638	41950581	Gmdrm	hypo	CHH	-0.0321
Gm02	41959302	41960298	Gmdrm	hypo	CHH	-0.0295
Gm02	41966389	41966604	Gmdrm	hypo	CHH	-0.04
Gm02	41969912	41970317	Gmdrm	hypo	CHH	-0.0979

Gm02	41970803	41970965	Gmdrm	hypo	CHH	-0.1012
Gm02	41980039	41981027	Gmdrm	hypo	CHH	-0.0218
Gm02	41981088	41982055	Gmdrm	hypo	CHH	-0.0392
Gm02	42000279	42001271	Gmdrm	hypo	CHH	-0.0716
Gm02	42037272	42038269	Gmdrm	hypo	CHH	-0.1612
Gm02	42038274	42039262	Gmdrm	hypo	CHH	-0.0475
Gm02	42039279	42040279	Gmdrm	hypo	CHH	-0.0877
Gm02	42046009	42047009	Gmdrm	hypo	CHH	-0.1003
Gm02	42047010	42047785	Gmdrm	hypo	CHH	-0.031
Gm02	42048325	42049320	Gmdrm	hypo	CHH	-0.1683
Gm02	42049334	42050311	Gmdrm	hypo	CHH	-0.0993
Gm02	42053090	42054090	Gmdrm	hypo	CHH	-0.0455
Gm02	42058052	42058162	Gmdrm	hypo	CHH	-0.076
Gm02	42060701	42061701	Gmdrm	hypo	CHH	-0.075
Gm02	42062715	42063709	Gmdrm	hypo	CHH	-0.0574
Gm02	42085244	42085950	Gmdrm	hypo	CHH	-0.0209
Gm02	42087064	42088057	Gmdrm	hypo	CHH	-0.0167
Gm02	42116131	42116696	Gmdrm	hypo	CHH	-0.0313
Gm02	42124915	42125378	Gmdrm	hypo	CHH	-0.0755
Gm02	42133550	42134549	Gmdrm	hypo	CHH	-0.0653
Gm02	42134554	42135544	Gmdrm	hypo	CHH	-0.0172
Gm02	42145164	42146158	Gmdrm	hypo	CHH	-0.0286
Gm02	42147242	42148232	Gmdrm	hypo	CHH	-0.0408
Gm02	42148249	42149241	Gmdrm	hypo	CHH	-0.0305
Gm02	42167822	42168818	Gmdrm	hypo	CHH	-0.0185
Gm02	42168843	42169613	Gmdrm	hypo	CHH	-0.1011
Gm02	42169714	42170708	Gmdrm	hypo	CHH	-0.054
Gm02	42184067	42184742	Gmdrm	hypo	CHH	-0.0708
Gm02	42204664	42205661	Gmdrm	hypo	CHH	-0.0181
Gm02	42205666	42206478	Gmdrm	hypo	CHH	-0.0118
Gm02	42206707	42207698	Gmdrm	hypo	CHH	-0.0213
Gm02	42207723	42208718	Gmdrm	hypo	CHH	-0.0345
Gm02	42215761	42216721	Gmdrm	hypo	CHH	-0.08
Gm02	42217840	42218833	Gmdrm	hypo	CHH	-0.034
Gm02	42218854	42219843	Gmdrm	hypo	CHH	-0.0119
Gm02	42219920	42220891	Gmdrm	hypo	CHH	-0.1226
Gm02	42220944	42221608	Gmdrm	hypo	CHH	-0.0768
Gm02	42221823	42222814	Gmdrm	hypo	CHH	-0.0703
Gm02	42222894	42223748	Gmdrm	hypo	CHH	-0.0377
Gm02	42231700	42231843	Gmdrm	hypo	CHH	-0.1
Gm02	42242851	42243660	Gmdrm	hypo	CHH	-0.0705
Gm02	42248396	42249286	Gmdrm	hypo	CHH	-0.0194
Gm02	42251639	42252639	Gmdrm	hypo	CHH	-0.0544
Gm02	42256326	42257323	Gmdrm	hypo	CHH	-0.0462
Gm02	42257327	42258288	Gmdrm	hypo	CHH	-0.0697
Gm02	42265261	42266260	Gmdrm	hypo	CHH	-0.0706

Gm02	42290963	42291963 Gmdrm	hypo	CHH	-0.0226
Gm02	42291964	42292944 Gmdrm	hypo	CHH	-0.0125
Gm02	42306110	42306679 Gmdrm	hypo	CHH	-0.0153
Gm02	42314679	42315674 Gmdrm	hypo	CHH	-0.0403
Gm02	42317706	42318695 Gmdrm	hypo	CHH	-0.012
Gm02	42323902	42324715 Gmdrm	hypo	CHH	-0.0381
Gm02	42327500	42328465 Gmdrm	hypo	CHH	-0.0548
Gm02	42332036	42333011 Gmdrm	hypo	CHH	-0.0341
Gm02	42333046	42334039 Gmdrm	hypo	CHH	-0.0639
Gm02	42350988	42351973 Gmdrm	hypo	CHH	-0.0271
Gm02	42355780	42356361 Gmdrm	hypo	CHH	-0.0173
Gm02	42358499	42359474 Gmdrm	hypo	CHH	-0.028
Gm02	42360705	42361702 Gmdrm	hypo	CHH	-0.0925
Gm02	42361706	42362679 Gmdrm	hypo	CHH	-0.086
Gm02	42362708	42363057 Gmdrm	hypo	CHH	-0.0723
Gm02	42367629	42368628 Gmdrm	hypo	CHH	-0.0846
Gm02	42378580	42379553 Gmdrm	hypo	CHH	-0.0324
Gm02	42379944	42380903 Gmdrm	hypo	CHH	-0.0248
Gm02	42385732	42386726 Gmdrm	hypo	CHH	-0.0546
Gm02	42386749	42387713 Gmdrm	hypo	CHH	-0.0237
Gm02	42387764	42388747 Gmdrm	hypo	CHH	-0.0133
Gm02	42397827	42397947 Gmdrm	hypo	CHH	-0.054
Gm02	42401581	42402521 Gmdrm	hypo	CHH	-0.1253
Gm02	42402596	42402732 Gmdrm	hypo	CHH	-0.2038
Gm02	42412426	42412890 Gmdrm	hypo	CHH	-0.057
Gm02	42415460	42416219 Gmdrm	hypo	CHH	-0.0585
Gm02	42419348	42420347 Gmdrm	hypo	CHH	-0.0541
Gm02	42438010	42439010 Gmdrm	hypo	CHH	-0.0363
Gm02	42439012	42440009 Gmdrm	hypo	CHH	-0.05
Gm02	42440013	42441009 Gmdrm	hypo	CHH	-0.0157
Gm02	42459702	42460702 Gmdrm	hypo	CHH	-0.0537
Gm02	42460704	42461687 Gmdrm	hypo	CHH	-0.0406
Gm02	42461724	42462722 Gmdrm	hypo	CHH	-0.0693
Gm02	42462740	42463712 Gmdrm	hypo	CHH	-0.0161
Gm02	42464754	42465260 Gmdrm	hypo	CHH	-0.0853
Gm02	42465396	42466387 Gmdrm	hypo	CHH	-0.0274
Gm02	42466400	42467400 Gmdrm	hypo	CHH	-0.0618
Gm02	42467415	42468409 Gmdrm	hypo	CHH	-0.0375
Gm02	42468417	42469407 Gmdrm	hypo	CHH	-0.0305
Gm02	42469720	42470714 Gmdrm	hypo	CHH	-0.0186
Gm02	42470745	42471489 Gmdrm	hypo	CHH	-0.1068
Gm02	42471592	42472477 Gmdrm	hypo	CHH	-0.2643
Gm02	42480062	42480140 Gmdrm	hypo	CHH	-0.076
Gm02	42492979	42493522 Gmdrm	hypo	CHH	-0.0156
Gm02	42497153	42498149 Gmdrm	hypo	CHH	-0.1925
Gm02	42498166	42499165 Gmdrm	hypo	CHH	-0.0923

Gm02	42499171	42499301	Gmdrm	hypo	CHH	-0.0322
Gm02	42503954	42504913	Gmdrm	hypo	CHH	-0.0181
Gm02	42504977	42505974	Gmdrm	hypo	CHH	-0.0636
Gm02	42514123	42515121	Gmdrm	hypo	CHH	-0.0133
Gm02	42515152	42516128	Gmdrm	hypo	CHH	-0.0214
Gm02	42521194	42521539	Gmdrm	hypo	CHH	-0.0506
Gm02	42522682	42523679	Gmdrm	hypo	CHH	-0.1853
Gm02	42543230	42544204	Gmdrm	hypo	CHH	-0.0188
Gm02	42552670	42552956	Gmdrm	hypo	CHH	-0.0285
Gm02	42554370	42554539	Gmdrm	hypo	CHH	-0.1534
Gm02	42556797	42557794	Gmdrm	hypo	CHH	-0.1166
Gm02	42558803	42559795	Gmdrm	hypo	CHH	-0.0908
Gm02	42559853	42560839	Gmdrm	hypo	CHH	-0.0129
Gm02	42571649	42572625	Gmdrm	hypo	CHH	-0.1562
Gm02	42580708	42581707	Gmdrm	hypo	CHH	-0.0395
Gm02	42581711	42582678	Gmdrm	hypo	CHH	-0.0665
Gm02	42582715	42583705	Gmdrm	hypo	CHH	-0.1016
Gm02	42585604	42586592	Gmdrm	hypo	CHH	-0.0318
Gm02	42587669	42588668	Gmdrm	hypo	CHH	-0.1971
Gm02	42588671	42589592	Gmdrm	hypo	CHH	-0.2642
Gm02	42593820	42594817	Gmdrm	hypo	CHH	-0.0225
Gm02	42594824	42595819	Gmdrm	hypo	CHH	-0.2036
Gm02	42617070	42617160	Gmdrm	hypo	CHH	-0.064
Gm02	42620751	42621750	Gmdrm	hypo	CHH	-0.2151
Gm02	42627167	42628154	Gmdrm	hypo	CHH	-0.0154
Gm02	42637385	42638359	Gmdrm	hypo	CHH	-0.0145
Gm02	42644693	42645693	Gmdrm	hypo	CHH	-0.0574
Gm02	42645697	42646695	Gmdrm	hypo	CHH	-0.0403
Gm02	42649844	42650825	Gmdrm	hypo	CHH	-0.025
Gm02	42654865	42655544	Gmdrm	hypo	CHH	-0.0185
Gm02	42658452	42659444	Gmdrm	hypo	CHH	-0.0118
Gm02	42671536	42672530	Gmdrm	hypo	CHH	-0.0552
Gm02	42673538	42674537	Gmdrm	hypo	CHH	-0.0487
Gm02	42675546	42676545	Gmdrm	hypo	CHH	-0.0682
Gm02	42682203	42683203	Gmdrm	hypo	CHH	-0.0132
Gm02	42694912	42695848	Gmdrm	hypo	CHH	-0.0141
Gm02	42695930	42696904	Gmdrm	hypo	CHH	-0.0651
Gm02	42700670	42701661	Gmdrm	hypo	CHH	-0.2557
Gm02	42703702	42704701	Gmdrm	hypo	CHH	-0.0306
Gm02	42706836	42707832	Gmdrm	hypo	CHH	-0.0806
Gm02	42710866	42711864	Gmdrm	hypo	CHH	-0.05
Gm02	42711876	42712872	Gmdrm	hypo	CHH	-0.0749
Gm02	42720271	42721229	Gmdrm	hypo	CHH	-0.0159
Gm02	42724296	42725252	Gmdrm	hypo	CHH	-0.0253
Gm02	42733176	42734172	Gmdrm	hypo	CHH	-0.0195
Gm02	42740855	42741834	Gmdrm	hypo	CHH	-0.0152

Gm02	42751779	42752725	Gmdrm	hypo	CHH	-0.0648
Gm02	42753120	42753362	Gmdrm	hypo	CHH	-0.0387
Gm02	42759440	42760134	Gmdrm	hypo	CHH	-0.345
Gm02	42765702	42766126	Gmdrm	hypo	CHH	-0.0266
Gm02	42768549	42769542	Gmdrm	hypo	CHH	-0.0117
Gm02	42770493	42771416	Gmdrm	hypo	CHH	-0.0945
Gm02	42773450	42774442	Gmdrm	hypo	CHH	-0.0757
Gm02	42774454	42775453	Gmdrm	hypo	CHH	-0.1216
Gm02	42780921	42781919	Gmdrm	hypo	CHH	-0.0626
Gm02	42786077	42787063	Gmdrm	hypo	CHH	-0.0269
Gm02	42787123	42788075	Gmdrm	hypo	CHH	-0.0214
Gm02	42788145	42789140	Gmdrm	hypo	CHH	-0.0562
Gm02	42789157	42790149	Gmdrm	hypo	CHH	-0.0308
Gm02	42790166	42791149	Gmdrm	hypo	CHH	-0.0449
Gm02	42791170	42792126	Gmdrm	hypo	CHH	-0.049
Gm02	42802174	42803168	Gmdrm	hypo	CHH	-0.154
Gm02	42805224	42806220	Gmdrm	hypo	CHH	-0.0304
Gm02	42806225	42807225	Gmdrm	hypo	CHH	-0.0355
Gm02	42807227	42808220	Gmdrm	hypo	CHH	-0.0376
Gm02	42811526	42812502	Gmdrm	hypo	CHH	-0.0148
Gm02	42823204	42823367	Gmdrm	hypo	CHH	-0.026
Gm02	42837078	42838071	Gmdrm	hypo	CHH	-0.0851
Gm02	42838388	42839370	Gmdrm	hypo	CHH	-0.0788
Gm02	42839403	42840132	Gmdrm	hypo	CHH	-0.1129
Gm02	42862657	42863641	Gmdrm	hypo	CHH	-0.0136
Gm02	42870209	42871208	Gmdrm	hypo	CHH	-0.0905
Gm02	42906840	42907480	Gmdrm	hypo	CHH	-0.0817
Gm02	42914106	42915106	Gmdrm	hypo	CHH	-0.052
Gm02	42926242	42927236	Gmdrm	hypo	CHH	-0.0201
Gm02	42947499	42948207	Gmdrm	hypo	CHH	-0.0777
Gm02	42952452	42953449	Gmdrm	hypo	CHH	-0.1214
Gm02	42953459	42954459	Gmdrm	hypo	CHH	-0.0794
Gm02	42954599	42955594	Gmdrm	hypo	CHH	-0.074
Gm02	42965681	42966679	Gmdrm	hypo	CHH	-0.1606
Gm02	42977855	42978847	Gmdrm	hypo	CHH	-0.0184
Gm02	42993197	42994193	Gmdrm	hypo	CHH	-0.3768
Gm02	43005613	43006572	Gmdrm	hypo	CHH	-0.0444
Gm02	43014390	43015388	Gmdrm	hypo	CHH	-0.0555
Gm02	43015391	43015608	Gmdrm	hypo	CHH	-0.1047
Gm02	43018754	43019745	Gmdrm	hypo	CHH	-0.0433
Gm02	43021107	43022094	Gmdrm	hypo	CHH	-0.0141
Gm02	43028967	43029803	Gmdrm	hypo	CHH	-0.0422
Gm02	43030711	43031696	Gmdrm	hypo	CHH	-0.0544
Gm02	43044668	43045666	Gmdrm	hypo	CHH	-0.015
Gm02	43045675	43046673	Gmdrm	hypo	CHH	-0.0463
Gm02	43046677	43047662	Gmdrm	hypo	CHH	-0.0434

Gm02	43057919	43058918	Gmdrm	hypo	CHH	-0.042
Gm02	43060713	43061709	Gmdrm	hypo	CHH	-0.0649
Gm02	43061725	43062723	Gmdrm	hypo	CHH	-0.0415
Gm02	43062726	43063202	Gmdrm	hypo	CHH	-0.117
Gm02	43065098	43066098	Gmdrm	hypo	CHH	-0.0243
Gm02	43066099	43067099	Gmdrm	hypo	CHH	-0.0551
Gm02	43070878	43071877	Gmdrm	hypo	CHH	-0.0123
Gm02	43081497	43082427	Gmdrm	hypo	CHH	-0.187
Gm02	43082525	43083521	Gmdrm	hypo	CHH	-0.0097
Gm02	43093700	43094700	Gmdrm	hypo	CHH	-0.0256
Gm02	43098523	43099522	Gmdrm	hypo	CHH	-0.0378
Gm02	43105158	43106149	Gmdrm	hypo	CHH	-0.0203
Gm02	43106160	43107120	Gmdrm	hypo	CHH	-0.0502
Gm02	43109115	43110107	Gmdrm	hypo	CHH	-0.0139
Gm02	43112185	43113168	Gmdrm	hypo	CHH	-0.0182
Gm02	43120147	43121137	Gmdrm	hypo	CHH	-0.0615
Gm02	43121163	43122133	Gmdrm	hypo	CHH	-0.1233
Gm02	43124574	43125571	Gmdrm	hypo	CHH	-0.0461
Gm02	43126565	43127563	Gmdrm	hypo	CHH	-0.0653
Gm02	43132471	43133469	Gmdrm	hypo	CHH	-0.0222
Gm02	43133477	43133679	Gmdrm	hypo	CHH	-0.035
Gm02	43144202	43145200	Gmdrm	hypo	CHH	-0.0475
Gm02	43152883	43153862	Gmdrm	hypo	CHH	-0.0159
Gm02	43155085	43156084	Gmdrm	hypo	CHH	-0.0642
Gm02	43156094	43157080	Gmdrm	hypo	CHH	-0.189
Gm02	43166662	43167637	Gmdrm	hypo	CHH	-0.0126
Gm02	43174589	43175059	Gmdrm	hypo	CHH	-0.3427
Gm02	43175190	43176189	Gmdrm	hypo	CHH	-0.1595
Gm02	43176192	43177173	Gmdrm	hypo	CHH	-0.1637
Gm02	43177205	43178177	Gmdrm	hypo	CHH	-0.2144
Gm02	43180242	43181235	Gmdrm	hypo	CHH	-0.0206
Gm02	43195421	43196402	Gmdrm	hypo	CHH	-0.0407
Gm02	43209900	43210899	Gmdrm	hypo	CHH	-0.0094
Gm02	43235070	43236039	Gmdrm	hypo	CHH	-0.0374
Gm02	43245156	43246147	Gmdrm	hypo	CHH	-0.1144
Gm02	43253159	43254157	Gmdrm	hypo	CHH	-0.0543
Gm02	43257166	43258147	Gmdrm	hypo	CHH	-0.0946
Gm02	43258176	43259170	Gmdrm	hypo	CHH	-0.0644
Gm02	43284023	43284986	Gmdrm	hypo	CHH	-0.0399
Gm02	43286037	43286734	Gmdrm	hypo	CHH	-0.1615
Gm02	43287361	43288249	Gmdrm	hypo	CHH	-0.1345
Gm02	43291414	43292412	Gmdrm	hypo	CHH	-0.0479
Gm02	43302248	43303246	Gmdrm	hypo	CHH	-0.0316
Gm02	43306432	43307416	Gmdrm	hypo	CHH	-0.1085
Gm02	43308456	43308723	Gmdrm	hypo	CHH	-0.065
Gm02	43318121	43319096	Gmdrm	hypo	CHH	-0.1757

Gm02	43319133	43320132	Gmdrm	hypo	CHH	-0.2626
Gm02	43320525	43321507	Gmdrm	hypo	CHH	-0.2173
Gm02	43323590	43324580	Gmdrm	hypo	CHH	-0.0215
Gm02	43335749	43335907	Gmdrm	hypo	CHH	-0.3663
Gm02	43345957	43346957	Gmdrm	hypo	CHH	-0.0424
Gm02	43346961	43347942	Gmdrm	hypo	CHH	-0.0544
Gm02	43347985	43348974	Gmdrm	hypo	CHH	-0.0487
Gm02	43351622	43352621	Gmdrm	hypo	CHH	-0.0284
Gm02	43354774	43354925	Gmdrm	hypo	CHH	-0.096
Gm02	43355912	43356533	Gmdrm	hypo	CHH	-0.0773
Gm02	43356634	43357634	Gmdrm	hypo	CHH	-0.1561
Gm02	43357642	43358341	Gmdrm	hypo	CHH	-0.101
Gm02	43358465	43359447	Gmdrm	hypo	CHH	-0.1168
Gm02	43362178	43362697	Gmdrm	hypo	CHH	-0.0212
Gm02	43364004	43364997	Gmdrm	hypo	CHH	-0.3205
Gm02	43366302	43366510	Gmdrm	hypo	CHH	-0.2297
Gm02	43376269	43377259	Gmdrm	hypo	CHH	-0.0737
Gm02	43378504	43379451	Gmdrm	hypo	CHH	-0.0162
Gm02	43393022	43394019	Gmdrm	hypo	CHH	-0.334
Gm02	43396594	43397569	Gmdrm	hypo	CHH	-0.0234
Gm02	43397597	43398595	Gmdrm	hypo	CHH	-0.047
Gm02	43398618	43399582	Gmdrm	hypo	CHH	-0.0162
Gm02	43403245	43404231	Gmdrm	hypo	CHH	-0.0195
Gm02	43404271	43405266	Gmdrm	hypo	CHH	-0.0781
Gm02	43415462	43415674	Gmdrm	hypo	CHH	-0.0477
Gm02	43417362	43418351	Gmdrm	hypo	CHH	-0.0324
Gm02	43418393	43418767	Gmdrm	hypo	CHH	-0.0877
Gm02	43426759	43427751	Gmdrm	hypo	CHH	-0.03
Gm02	43428585	43429547	Gmdrm	hypo	CHH	-0.1137
Gm02	43429592	43430590	Gmdrm	hypo	CHH	-0.0311
Gm02	43436768	43437176	Gmdrm	hypo	CHH	-0.0204
Gm02	43439706	43440673	Gmdrm	hypo	CHH	-0.0189
Gm02	43442717	43443717	Gmdrm	hypo	CHH	-0.0999
Gm02	43443718	43444708	Gmdrm	hypo	CHH	-0.049
Gm02	43450685	43450735	Gmdrm	hypo	CHH	-0.048
Gm02	43461359	43462127	Gmdrm	hypo	CHH	-0.0304
Gm02	43463484	43463911	Gmdrm	hypo	CHH	-0.062
Gm02	43470043	43470802	Gmdrm	hypo	CHH	-0.0193
Gm02	43471938	43472934	Gmdrm	hypo	CHH	-0.0306
Gm02	43473096	43474077	Gmdrm	hypo	CHH	-0.0336
Gm02	43480867	43481867	Gmdrm	hypo	CHH	-0.0358
Gm02	43481874	43482871	Gmdrm	hypo	CHH	-0.0205
Gm02	43482887	43483853	Gmdrm	hypo	CHH	-0.04
Gm02	43495122	43496120	Gmdrm	hypo	CHH	-0.0141
Gm02	43496124	43497098	Gmdrm	hypo	CHH	-0.1004
Gm02	43501198	43502194	Gmdrm	hypo	CHH	-0.0801

Gm02	43503396	43504316	Gmdrm	hypo	CHH	-0.012
Gm02	43505432	43505702	Gmdrm	hypo	CHH	-0.034
Gm02	43510159	43511158	Gmdrm	hypo	CHH	-0.1054
Gm02	43511161	43511946	Gmdrm	hypo	CHH	-0.1623
Gm02	43524200	43524470	Gmdrm	hypo	CHH	-0.028
Gm02	43524660	43525630	Gmdrm	hypo	CHH	-0.0232
Gm02	43526699	43526797	Gmdrm	hypo	CHH	-0.0489
Gm02	43532113	43532891	Gmdrm	hypo	CHH	-0.03
Gm02	43547668	43548665	Gmdrm	hypo	CHH	-0.0315
Gm02	43588004	43588956	Gmdrm	hypo	CHH	-0.0494
Gm02	43589349	43589922	Gmdrm	hypo	CHH	-0.035
Gm02	43593079	43594077	Gmdrm	hypo	CHH	-0.0125
Gm02	43598006	43598431	Gmdrm	hypo	CHH	-0.0165
Gm02	43609567	43610539	Gmdrm	hypo	CHH	-0.1379
Gm02	43616173	43617027	Gmdrm	hypo	CHH	-0.0282
Gm02	43623632	43624124	Gmdrm	hypo	CHH	-0.0337
Gm02	43624255	43625246	Gmdrm	hypo	CHH	-0.0281
Gm02	43630578	43631573	Gmdrm	hypo	CHH	-0.2342
Gm02	43631604	43632601	Gmdrm	hypo	CHH	-0.0563
Gm02	43632609	43633606	Gmdrm	hypo	CHH	-0.0183
Gm02	43634103	43635084	Gmdrm	hypo	CHH	-0.0282
Gm02	43635111	43636108	Gmdrm	hypo	CHH	-0.0546
Gm02	43636117	43637113	Gmdrm	hypo	CHH	-0.2228
Gm02	43637118	43637815	Gmdrm	hypo	CHH	-0.3138
Gm02	43656740	43656810	Gmdrm	hypo	CHH	-0.052
Gm02	43667241	43668226	Gmdrm	hypo	CHH	-0.1408
Gm02	43668254	43668714	Gmdrm	hypo	CHH	-0.0508
Gm02	43672103	43673093	Gmdrm	hypo	CHH	-0.1928
Gm02	43673105	43674085	Gmdrm	hypo	CHH	-0.1672
Gm02	43674159	43675131	Gmdrm	hypo	CHH	-0.0457
Gm02	43677000	43677542	Gmdrm	hypo	CHH	-0.076
Gm02	43690621	43691229	Gmdrm	hypo	CHH	-0.0191
Gm02	43691343	43692316	Gmdrm	hypo	CHH	-0.0354
Gm02	43692356	43693328	Gmdrm	hypo	CHH	-0.0601
Gm02	43699379	43700378	Gmdrm	hypo	CHH	-0.0268
Gm02	43704209	43705207	Gmdrm	hypo	CHH	-0.0185
Gm02	43716702	43717683	Gmdrm	hypo	CHH	-0.0467
Gm02	43719709	43720698	Gmdrm	hypo	CHH	-0.0394
Gm02	43724735	43725235	Gmdrm	hypo	CHH	-0.019
Gm02	43727407	43727783	Gmdrm	hypo	CHH	-0.0997
Gm02	43728915	43729910	Gmdrm	hypo	CHH	-0.149
Gm02	43732454	43733452	Gmdrm	hypo	CHH	-0.0387
Gm02	43733469	43734469	Gmdrm	hypo	CHH	-0.0841
Gm02	43736483	43737469	Gmdrm	hypo	CHH	-0.0294
Gm02	43737501	43738469	Gmdrm	hypo	CHH	-0.0591
Gm02	43741170	43742168	Gmdrm	hypo	CHH	-0.1147

Gm02	43742177	43743169	Gmdrm	hypo	CHH	-0.0268
Gm02	43753741	43754730	Gmdrm	hypo	CHH	-0.025
Gm02	43764269	43765258	Gmdrm	hypo	CHH	-0.0784
Gm02	43765273	43766254	Gmdrm	hypo	CHH	-0.0567
Gm02	43774422	43775422	Gmdrm	hypo	CHH	-0.0979
Gm02	43775423	43776403	Gmdrm	hypo	CHH	-0.0765
Gm02	43776425	43777413	Gmdrm	hypo	CHH	-0.0347
Gm02	43777429	43777557	Gmdrm	hypo	CHH	-0.4642
Gm02	43778688	43779670	Gmdrm	hypo	CHH	-0.2012
Gm02	43799022	43800022	Gmdrm	hypo	CHH	-0.0471
Gm02	43800027	43800092	Gmdrm	hypo	CHH	-0.0262
Gm02	43800899	43801898	Gmdrm	hypo	CHH	-0.0595
Gm02	43801900	43802554	Gmdrm	hypo	CHH	-0.1772
Gm02	43806032	43806261	Gmdrm	hypo	CHH	-0.12
Gm02	43813296	43813428	Gmdrm	hypo	CHH	-0.0275
Gm02	43815906	43816901	Gmdrm	hypo	CHH	-0.0201
Gm02	43816907	43817899	Gmdrm	hypo	CHH	-0.0385
Gm02	43837592	43838591	Gmdrm	hypo	CHH	-0.0153
Gm02	43840654	43840960	Gmdrm	hypo	CHH	-0.0212
Gm02	43842087	43842932	Gmdrm	hypo	CHH	-0.0166
Gm02	43850459	43851448	Gmdrm	hypo	CHH	-0.1391
Gm02	43854633	43855442	Gmdrm	hypo	CHH	-0.0382
Gm02	43856558	43857526	Gmdrm	hypo	CHH	-0.2867
Gm02	43869218	43870195	Gmdrm	hypo	CHH	-0.0271
Gm02	43895384	43896368	Gmdrm	hypo	CHH	-0.0208
Gm02	43900277	43901255	Gmdrm	hypo	CHH	-0.0105
Gm02	43912167	43913077	Gmdrm	hypo	CHH	-0.0266
Gm02	43916128	43917128	Gmdrm	hypo	CHH	-0.0248
Gm02	43924814	43925797	Gmdrm	hypo	CHH	-0.0332
Gm02	43937217	43938208	Gmdrm	hypo	CHH	-0.1272
Gm02	43938244	43939225	Gmdrm	hypo	CHH	-0.1025
Gm02	43951997	43952982	Gmdrm	hypo	CHH	-0.0244
Gm02	43952999	43953994	Gmdrm	hypo	CHH	-0.0722
Gm02	43954003	43954992	Gmdrm	hypo	CHH	-0.0312
Gm02	43955004	43955552	Gmdrm	hypo	CHH	-0.0218
Gm02	43998066	43999066	Gmdrm	hypo	CHH	-0.0287
Gm02	43999067	44000066	Gmdrm	hypo	CHH	-0.0618
Gm02	44005281	44006214	Gmdrm	hypo	CHH	-0.0147
Gm02	44009766	44010746	Gmdrm	hypo	CHH	-0.0119
Gm02	44020341	44021325	Gmdrm	hypo	CHH	-0.0207
Gm02	44029822	44030822	Gmdrm	hypo	CHH	-0.0194
Gm02	44031580	44032273	Gmdrm	hypo	CHH	-0.0795
Gm02	44038967	44039863	Gmdrm	hypo	CHH	-0.0228
Gm02	44045410	44046385	Gmdrm	hypo	CHH	-0.0126
Gm02	44049315	44050255	Gmdrm	hypo	CHH	-0.0232
Gm02	44057566	44057844	Gmdrm	hypo	CHH	-0.0212

Gm02	44073510	44074493 Gmdrm	hypo	CHH	-0.0153
Gm02	44079133	44080129 Gmdrm	hypo	CHH	-0.253
Gm02	44082164	44083159 Gmdrm	hypo	CHH	-0.1163
Gm02	44083276	44084253 Gmdrm	hypo	CHH	-0.0738
Gm02	44088971	44089970 Gmdrm	hypo	CHH	-0.0377
Gm02	44089975	44090966 Gmdrm	hypo	CHH	-0.0799
Gm02	44095069	44096053 Gmdrm	hypo	CHH	-0.0193
Gm02	44107953	44108335 Gmdrm	hypo	CHH	-0.0245
Gm02	44118101	44119092 Gmdrm	hypo	CHH	-0.0285
Gm02	44126993	44127944 Gmdrm	hypo	CHH	-0.0154
Gm02	44130826	44131803 Gmdrm	hypo	CHH	-0.017
Gm02	44149265	44150265 Gmdrm	hypo	CHH	-0.0214
Gm02	44162948	44163933 Gmdrm	hypo	CHH	-0.0226
Gm02	44163964	44164947 Gmdrm	hypo	CHH	-0.0693
Gm02	44164969	44165026 Gmdrm	hypo	CHH	-0.0489
Gm02	44166747	44167723 Gmdrm	hypo	CHH	-0.017
Gm02	44182022	44183013 Gmdrm	hypo	CHH	-0.2638
Gm02	44185059	44186051 Gmdrm	hypo	CHH	-0.016
Gm02	44186075	44187069 Gmdrm	hypo	CHH	-0.0126
Gm02	44187087	44188070 Gmdrm	hypo	CHH	-0.0347
Gm02	44188132	44189008 Gmdrm	hypo	CHH	-0.0238
Gm02	44193220	44193780 Gmdrm	hypo	CHH	-0.0158
Gm02	44194712	44195709 Gmdrm	hypo	CHH	-0.0205
Gm02	44195745	44196723 Gmdrm	hypo	CHH	-0.0265
Gm02	44198204	44198818 Gmdrm	hypo	CHH	-0.0335
Gm02	44198919	44199867 Gmdrm	hypo	CHH	-0.0244
Gm02	44208252	44208545 Gmdrm	hypo	CHH	-0.0726
Gm02	44218882	44219860 Gmdrm	hypo	CHH	-0.0271
Gm02	44226011	44226991 Gmdrm	hypo	CHH	-0.0136
Gm02	44230786	44231754 Gmdrm	hypo	CHH	-0.0204
Gm02	44231807	44232807 Gmdrm	hypo	CHH	-0.0963
Gm02	44232812	44233809 Gmdrm	hypo	CHH	-0.0851
Gm02	44233819	44234818 Gmdrm	hypo	CHH	-0.0238
Gm02	44236448	44237424 Gmdrm	hypo	CHH	-0.2294
Gm02	44237615	44238594 Gmdrm	hypo	CHH	-0.1502
Gm02	44251936	44252929 Gmdrm	hypo	CHH	-0.0767
Gm02	44252944	44253941 Gmdrm	hypo	CHH	-0.0697
Gm02	44254960	44255956 Gmdrm	hypo	CHH	-0.03
Gm02	44261833	44262815 Gmdrm	hypo	CHH	-0.0626
Gm02	44263185	44264175 Gmdrm	hypo	CHH	-0.0293
Gm02	44265240	44266235 Gmdrm	hypo	CHH	-0.0102
Gm02	44268996	44269098 Gmdrm	hypo	CHH	-0.0588
Gm02	44278995	44279970 Gmdrm	hypo	CHH	-0.0201
Gm02	44302407	44303399 Gmdrm	hypo	CHH	-0.0348
Gm02	44311642	44312000 Gmdrm	hypo	CHH	-0.04
Gm02	44312516	44313515 Gmdrm	hypo	CHH	-0.0308

Gm02	44313518	44314515 Gmdrm	hypo	CHH	-0.0154
Gm02	44351055	44352017 Gmdrm	hypo	CHH	-0.0202
Gm02	44357677	44358676 Gmdrm	hypo	CHH	-0.1706
Gm02	44358684	44359682 Gmdrm	hypo	CHH	-0.198
Gm02	44366655	44367651 Gmdrm	hypo	CHH	-0.0746
Gm02	44367661	44368654 Gmdrm	hypo	CHH	-0.0483
Gm02	44379420	44380411 Gmdrm	hypo	CHH	-0.0295
Gm02	44391832	44392822 Gmdrm	hypo	CHH	-0.0628
Gm02	44394905	44395894 Gmdrm	hypo	CHH	-0.1276
Gm02	44419262	44419891 Gmdrm	hypo	CHH	-0.2703
Gm02	44420728	44420987 Gmdrm	hypo	CHH	-0.6985
Gm02	44421328	44422308 Gmdrm	hypo	CHH	-0.1333
Gm02	44423064	44424059 Gmdrm	hypo	CHH	-0.0531
Gm02	44424066	44425061 Gmdrm	hypo	CHH	-0.0801
Gm02	44434054	44435053 Gmdrm	hypo	CHH	-0.106
Gm02	44435055	44436048 Gmdrm	hypo	CHH	-0.3167
Gm02	44441515	44442506 Gmdrm	hypo	CHH	-0.0149
Gm02	44442519	44443472 Gmdrm	hypo	CHH	-0.0119
Gm02	44449263	44450249 Gmdrm	hypo	CHH	-0.0209
Gm02	44450271	44451165 Gmdrm	hypo	CHH	-0.0763
Gm02	44458434	44459411 Gmdrm	hypo	CHH	-0.034
Gm02	44459437	44460435 Gmdrm	hypo	CHH	-0.0511
Gm02	44460442	44461442 Gmdrm	hypo	CHH	-0.0421
Gm02	44461454	44462445 Gmdrm	hypo	CHH	-0.0252
Gm02	44470950	44471940 Gmdrm	hypo	CHH	-0.015
Gm02	44479860	44480855 Gmdrm	hypo	CHH	-0.056
Gm02	44480863	44481854 Gmdrm	hypo	CHH	-0.1251
Gm02	44489948	44490942 Gmdrm	hypo	CHH	-0.0331
Gm02	44490957	44491956 Gmdrm	hypo	CHH	-0.1039
Gm02	44491962	44492060 Gmdrm	hypo	CHH	-0.1656
Gm02	44492194	44493162 Gmdrm	hypo	CHH	-0.0719
Gm02	44493238	44494225 Gmdrm	hypo	CHH	-0.155
Gm02	44494282	44495261 Gmdrm	hypo	CHH	-0.0348
Gm02	44499208	44500204 Gmdrm	hypo	CHH	-0.0287
Gm02	44500209	44501202 Gmdrm	hypo	CHH	-0.0763
Gm02	44518455	44519415 Gmdrm	hypo	CHH	-0.0593
Gm02	44519681	44520674 Gmdrm	hypo	CHH	-0.0211
Gm02	44521963	44522962 Gmdrm	hypo	CHH	-0.0683
Gm02	44522972	44523969 Gmdrm	hypo	CHH	-0.0468
Gm02	44523980	44524387 Gmdrm	hypo	CHH	-0.094
Gm02	44524516	44524654 Gmdrm	hypo	CHH	-0.0653
Gm02	44529711	44529870 Gmdrm	hypo	CHH	-0.1367
Gm02	44533705	44534703 Gmdrm	hypo	CHH	-0.0449
Gm02	44535729	44536727 Gmdrm	hypo	CHH	-0.0903
Gm02	44544120	44545120 Gmdrm	hypo	CHH	-0.0186
Gm02	44548676	44549657 Gmdrm	hypo	CHH	-0.093

Gm02	44574637	44575087	Gmdrm	hypo	CHH	-0.121
Gm02	44579864	44580863	Gmdrm	hypo	CHH	-0.0925
Gm02	44580865	44581812	Gmdrm	hypo	CHH	-0.194
Gm02	44622126	44622208	Gmdrm	hypo	CHH	-0.1287
Gm02	44626832	44627823	Gmdrm	hypo	CHH	-0.043
Gm02	44627835	44628799	Gmdrm	hypo	CHH	-0.1202
Gm02	44631947	44632945	Gmdrm	hypo	CHH	-0.1842
Gm02	44632996	44633996	Gmdrm	hypo	CHH	-0.1632
Gm02	44635024	44635914	Gmdrm	hypo	CHH	-0.0462
Gm02	44638415	44639411	Gmdrm	hypo	CHH	-0.0347
Gm02	44639881	44640881	Gmdrm	hypo	CHH	-0.0183
Gm02	44649022	44650012	Gmdrm	hypo	CHH	-0.0208
Gm02	44655146	44656125	Gmdrm	hypo	CHH	-0.0686
Gm02	44656175	44657172	Gmdrm	hypo	CHH	-0.046
Gm02	44678541	44679537	Gmdrm	hypo	CHH	-0.0228
Gm02	44679561	44680561	Gmdrm	hypo	CHH	-0.107
Gm02	44680563	44681524	Gmdrm	hypo	CHH	-0.2242
Gm02	44686560	44687526	Gmdrm	hypo	CHH	-0.0392
Gm02	44697975	44698963	Gmdrm	hypo	CHH	-0.0242
Gm02	44700866	44701325	Gmdrm	hypo	CHH	-0.035
Gm02	44710226	44711219	Gmdrm	hypo	CHH	-0.3859
Gm02	44711230	44712225	Gmdrm	hypo	CHH	-0.2405
Gm02	44717463	44718443	Gmdrm	hypo	CHH	-0.021
Gm02	44720059	44721049	Gmdrm	hypo	CHH	-0.1902
Gm02	44721064	44722028	Gmdrm	hypo	CHH	-0.0884
Gm02	44738753	44739471	Gmdrm	hypo	CHH	-0.0271
Gm02	44747488	44748488	Gmdrm	hypo	CHH	-0.0495
Gm02	44748499	44749488	Gmdrm	hypo	CHH	-0.1434
Gm02	44753400	44754338	Gmdrm	hypo	CHH	-0.0168
Gm02	44755033	44755340	Gmdrm	hypo	CHH	-0.0233
Gm02	44771313	44772313	Gmdrm	hypo	CHH	-0.0328
Gm02	44776250	44777239	Gmdrm	hypo	CHH	-0.1022
Gm02	44777262	44778259	Gmdrm	hypo	CHH	-0.0617
Gm02	44778263	44779263	Gmdrm	hypo	CHH	-0.0859
Gm02	44779275	44780272	Gmdrm	hypo	CHH	-0.0852
Gm02	44780278	44780898	Gmdrm	hypo	CHH	-0.0532
Gm02	44797287	44798287	Gmdrm	hypo	CHH	-0.2734
Gm02	44798290	44799285	Gmdrm	hypo	CHH	-0.264
Gm02	44804486	44805480	Gmdrm	hypo	CHH	-0.0322
Gm02	44829166	44830123	Gmdrm	hypo	CHH	-0.2066
Gm02	44834247	44835246	Gmdrm	hypo	CHH	-0.0691
Gm02	44837167	44838167	Gmdrm	hypo	CHH	-0.0811
Gm02	44840199	44841020	Gmdrm	hypo	CHH	-0.0943
Gm02	44850126	44851059	Gmdrm	hypo	CHH	-0.0178
Gm02	44864001	44865000	Gmdrm	hypo	CHH	-0.0813
Gm02	44895493	44896456	Gmdrm	hypo	CHH	-0.0313

Gm02	44898529	44899519	Gmdrm	hypo	CHH	-0.0109
Gm02	44910438	44911431	Gmdrm	hypo	CHH	-0.0557
Gm02	44927249	44928247	Gmdrm	hypo	CHH	-0.0308
Gm02	44934434	44935364	Gmdrm	hypo	CHH	-0.1401
Gm02	44935462	44936453	Gmdrm	hypo	CHH	-0.0534
Gm02	44936481	44937446	Gmdrm	hypo	CHH	-0.1422
Gm02	44949362	44950348	Gmdrm	hypo	CHH	-0.2691
Gm02	44954288	44955285	Gmdrm	hypo	CHH	-0.0183
Gm02	44972679	44973679	Gmdrm	hypo	CHH	-0.0199
Gm02	44980133	44981012	Gmdrm	hypo	CHH	-0.0163
Gm02	44984399	44985203	Gmdrm	hypo	CHH	-0.0243
Gm02	44987368	44988366	Gmdrm	hypo	CHH	-0.0202
Gm02	44992019	44992997	Gmdrm	hypo	CHH	-0.0557
Gm02	45006614	45007563	Gmdrm	hypo	CHH	-0.0187
Gm02	45019721	45020718	Gmdrm	hypo	CHH	-0.0306
Gm02	45020732	45021714	Gmdrm	hypo	CHH	-0.0421
Gm02	45022775	45023773	Gmdrm	hypo	CHH	-0.0188
Gm02	45025781	45026753	Gmdrm	hypo	CHH	-0.018
Gm02	45026790	45026920	Gmdrm	hypo	CHH	-0.0989
Gm02	45041774	45042772	Gmdrm	hypo	CHH	-0.0151
Gm02	45047576	45048576	Gmdrm	hypo	CHH	-0.0178
Gm02	45057228	45058213	Gmdrm	hypo	CHH	-0.0301
Gm02	45066311	45067310	Gmdrm	hypo	CHH	-0.1254
Gm02	45067320	45068320	Gmdrm	hypo	CHH	-0.0687
Gm02	45068335	45069318	Gmdrm	hypo	CHH	-0.0272
Gm02	45081459	45082450	Gmdrm	hypo	CHH	-0.0211
Gm02	45083545	45084526	Gmdrm	hypo	CHH	-0.0231
Gm02	45086816	45087011	Gmdrm	hypo	CHH	-0.12
Gm02	45110959	45111119	Gmdrm	hypo	CHH	-0.14
Gm02	45111354	45112350	Gmdrm	hypo	CHH	-0.0265
Gm02	45135963	45136960	Gmdrm	hypo	CHH	-0.151
Gm02	45136965	45137955	Gmdrm	hypo	CHH	-0.0569
Gm02	45137977	45138973	Gmdrm	hypo	CHH	-0.0316
Gm02	45143355	45144353	Gmdrm	hypo	CHH	-0.0153
Gm02	45145389	45146002	Gmdrm	hypo	CHH	-0.0286
Gm02	45146269	45147256	Gmdrm	hypo	CHH	-0.0326
Gm02	45156817	45156857	Gmdrm	hypo	CHH	-0.05
Gm02	45158803	45159790	Gmdrm	hypo	CHH	-0.0113
Gm02	45174397	45175394	Gmdrm	hypo	CHH	-0.0323
Gm02	45175399	45176395	Gmdrm	hypo	CHH	-0.0464
Gm02	45176404	45177397	Gmdrm	hypo	CHH	-0.037
Gm02	45177448	45178193	Gmdrm	hypo	CHH	-0.1358
Gm02	45178294	45179286	Gmdrm	hypo	CHH	-0.1504
Gm02	45187038	45188037	Gmdrm	hypo	CHH	-0.0748
Gm02	45188042	45189041	Gmdrm	hypo	CHH	-0.0945
Gm02	45189048	45190019	Gmdrm	hypo	CHH	-0.1358

Gm02	45190081	45191079	Gmdrm	hypo	CHH	-0.0689
Gm02	45191088	45192086	Gmdrm	hypo	CHH	-0.0602
Gm02	45192089	45193084	Gmdrm	hypo	CHH	-0.0734
Gm02	45193099	45194099	Gmdrm	hypo	CHH	-0.0364
Gm02	45197468	45197641	Gmdrm	hypo	CHH	-0.052
Gm02	45201823	45202205	Gmdrm	hypo	CHH	-0.0365
Gm02	45202610	45203603	Gmdrm	hypo	CHH	-0.0479
Gm02	45207998	45208989	Gmdrm	hypo	CHH	-0.0727
Gm02	45209001	45209999	Gmdrm	hypo	CHH	-0.0705
Gm02	45210003	45210999	Gmdrm	hypo	CHH	-0.031
Gm02	45223742	45224740	Gmdrm	hypo	CHH	-0.0453
Gm02	45232037	45232961	Gmdrm	hypo	CHH	-0.0178
Gm02	45251957	45252183	Gmdrm	hypo	CHH	-0.0217
Gm02	45258551	45259551	Gmdrm	hypo	CHH	-0.0587
Gm02	45259562	45260536	Gmdrm	hypo	CHH	-0.0405
Gm02	45276509	45277509	Gmdrm	hypo	CHH	-0.017
Gm02	45280660	45281631	Gmdrm	hypo	CHH	-0.0318
Gm02	45298833	45299794	Gmdrm	hypo	CHH	-0.029
Gm02	45301187	45302168	Gmdrm	hypo	CHH	-0.1931
Gm02	45308428	45309427	Gmdrm	hypo	CHH	-0.0104
Gm02	45310973	45311973	Gmdrm	hypo	CHH	-0.0256
Gm02	45311976	45312969	Gmdrm	hypo	CHH	-0.0207
Gm02	45321335	45322325	Gmdrm	hypo	CHH	-0.0184
Gm02	45322337	45322552	Gmdrm	hypo	CHH	-0.0218
Gm02	45332242	45333227	Gmdrm	hypo	CHH	-0.094
Gm02	45338850	45339849	Gmdrm	hypo	CHH	-0.0175
Gm02	45352500	45353500	Gmdrm	hypo	CHH	-0.0483
Gm02	45353504	45354491	Gmdrm	hypo	CHH	-0.0656
Gm02	45358480	45359471	Gmdrm	hypo	CHH	-0.0206
Gm02	45362435	45362906	Gmdrm	hypo	CHH	-0.0138
Gm02	45365350	45366341	Gmdrm	hypo	CHH	-0.0157
Gm02	45370945	45371940	Gmdrm	hypo	CHH	-0.0264
Gm02	45384256	45384844	Gmdrm	hypo	CHH	-0.0213
Gm02	45384984	45385947	Gmdrm	hypo	CHH	-0.2031
Gm02	45402873	45403873	Gmdrm	hypo	CHH	-0.0328
Gm02	45404884	45405883	Gmdrm	hypo	CHH	-0.0243
Gm02	45405890	45406872	Gmdrm	hypo	CHH	-0.0581
Gm02	45416162	45417112	Gmdrm	hypo	CHH	-0.0218
Gm02	45423544	45424526	Gmdrm	hypo	CHH	-0.0158
Gm02	45425557	45426538	Gmdrm	hypo	CHH	-0.0116
Gm02	45440914	45441626	Gmdrm	hypo	CHH	-0.0444
Gm02	45443796	45444780	Gmdrm	hypo	CHH	-0.0983
Gm02	45444801	45445801	Gmdrm	hypo	CHH	-0.0352
Gm02	45450741	45451740	Gmdrm	hypo	CHH	-0.0184
Gm02	45456162	45456760	Gmdrm	hypo	CHH	-0.0211
Gm02	45458809	45459805	Gmdrm	hypo	CHH	-0.0662

Gm02	45459826	45460818	Gmdrm	hypo	CHH	-0.0929
Gm02	45460828	45461315	Gmdrm	hypo	CHH	-0.1151
Gm02	45462220	45463207	Gmdrm	hypo	CHH	-0.0307
Gm02	45467760	45468749	Gmdrm	hypo	CHH	-0.0139
Gm02	45476873	45477872	Gmdrm	hypo	CHH	-0.0396
Gm02	45482925	45483924	Gmdrm	hypo	CHH	-0.2006
Gm02	45484958	45485491	Gmdrm	hypo	CHH	-0.1978
Gm02	45496919	45497918	Gmdrm	hypo	CHH	-0.0458
Gm02	45503080	45504077	Gmdrm	hypo	CHH	-0.0172
Gm02	45507689	45508681	Gmdrm	hypo	CHH	-0.3028
Gm02	45510316	45511296	Gmdrm	hypo	CHH	-0.249
Gm02	45514562	45515552	Gmdrm	hypo	CHH	-0.0189
Gm02	45531513	45532508	Gmdrm	hypo	CHH	-0.0123
Gm02	45532521	45533518	Gmdrm	hypo	CHH	-0.0571
Gm02	45534585	45535556	Gmdrm	hypo	CHH	-0.0554
Gm02	45537809	45538791	Gmdrm	hypo	CHH	-0.0548
Gm02	45538817	45539603	Gmdrm	hypo	CHH	-0.0974
Gm02	45540742	45541738	Gmdrm	hypo	CHH	-0.1819
Gm02	45546996	45547961	Gmdrm	hypo	CHH	-0.0231
Gm02	45550511	45551473	Gmdrm	hypo	CHH	-0.0232
Gm02	45552632	45553083	Gmdrm	hypo	CHH	-0.0311
Gm02	45555175	45556171	Gmdrm	hypo	CHH	-0.014
Gm02	45582606	45583592	Gmdrm	hypo	CHH	-0.0308
Gm02	45587800	45588775	Gmdrm	hypo	CHH	-0.026
Gm02	45590208	45591203	Gmdrm	hypo	CHH	-0.0676
Gm02	45598706	45599686	Gmdrm	hypo	CHH	-0.091
Gm02	45604534	45605534	Gmdrm	hypo	CHH	-0.0333
Gm02	45605536	45606536	Gmdrm	hypo	CHH	-0.0565
Gm02	45606546	45607001	Gmdrm	hypo	CHH	-0.0224
Gm02	45607985	45608754	Gmdrm	hypo	CHH	-0.0157
Gm02	45616032	45616541	Gmdrm	hypo	CHH	-0.0172
Gm02	45616649	45616700	Gmdrm	hypo	CHH	-0.06
Gm02	45616826	45617447	Gmdrm	hypo	CHH	-0.0315
Gm02	45621986	45622985	Gmdrm	hypo	CHH	-0.0502
Gm02	45622993	45623990	Gmdrm	hypo	CHH	-0.0342
Gm02	45623999	45624997	Gmdrm	hypo	CHH	-0.0519
Gm02	45637981	45638981	Gmdrm	hypo	CHH	-0.0537
Gm02	45638985	45639971	Gmdrm	hypo	CHH	-0.0513
Gm02	45640012	45640639	Gmdrm	hypo	CHH	-0.083
Gm02	45647280	45648253	Gmdrm	hypo	CHH	-0.0338
Gm02	45654790	45655186	Gmdrm	hypo	CHH	-0.0671
Gm02	45688243	45688769	Gmdrm	hypo	CHH	-0.0325
Gm02	45706102	45706352	Gmdrm	hypo	CHH	-0.0438
Gm02	45711780	45712765	Gmdrm	hypo	CHH	-0.0685
Gm02	45713987	45714982	Gmdrm	hypo	CHH	-0.0305
Gm02	45724467	45725112	Gmdrm	hypo	CHH	-0.0216

Gm02	45734618	45735612	Gmdrm	hypo	CHH	-0.0308
Gm02	45736279	45737277	Gmdrm	hypo	CHH	-0.0531
Gm02	45741972	45742951	Gmdrm	hypo	CHH	-0.0163
Gm02	45746703	45746794	Gmdrm	hypo	CHH	-0.048
Gm02	45750779	45751768	Gmdrm	hypo	CHH	-0.014
Gm02	45752781	45753554	Gmdrm	hypo	CHH	-0.0947
Gm02	45765237	45766236	Gmdrm	hypo	CHH	-0.0903
Gm02	45780897	45781891	Gmdrm	hypo	CHH	-0.0216
Gm02	45783482	45784474	Gmdrm	hypo	CHH	-0.0605
Gm02	45784483	45785457	Gmdrm	hypo	CHH	-0.0688
Gm02	45788887	45789468	Gmdrm	hypo	CHH	-0.0262
Gm02	45800459	45801449	Gmdrm	hypo	CHH	-0.0128
Gm02	45801969	45802247	Gmdrm	hypo	CHH	-0.0767
Gm02	45808919	45809914	Gmdrm	hypo	CHH	-0.0706
Gm02	45809920	45810916	Gmdrm	hypo	CHH	-0.0365
Gm02	45816104	45816752	Gmdrm	hypo	CHH	-0.0389
Gm02	45817338	45817831	Gmdrm	hypo	CHH	-0.0757
Gm02	45818023	45819019	Gmdrm	hypo	CHH	-0.0935
Gm02	45822687	45823657	Gmdrm	hypo	CHH	-0.0183
Gm02	45838402	45839399	Gmdrm	hypo	CHH	-0.1175
Gm02	45845005	45845187	Gmdrm	hypo	CHH	-0.0382
Gm02	45845335	45845529	Gmdrm	hypo	CHH	-0.042
Gm02	45847196	45848167	Gmdrm	hypo	CHH	-0.0196
Gm02	45887783	45888766	Gmdrm	hypo	CHH	-0.0268
Gm02	45931108	45932108	Gmdrm	hypo	CHH	-0.1846
Gm02	45932131	45933130	Gmdrm	hypo	CHH	-0.1437
Gm02	45936354	45937354	Gmdrm	hypo	CHH	-0.1226
Gm02	45940245	45940719	Gmdrm	hypo	CHH	-0.0278
Gm02	45944906	45945160	Gmdrm	hypo	CHH	-0.1062
Gm02	45957750	45958736	Gmdrm	hypo	CHH	-0.0705
Gm02	45961567	45962556	Gmdrm	hypo	CHH	-0.0598
Gm02	45964897	45965591	Gmdrm	hypo	CHH	-0.0142
Gm02	45965726	45966721	Gmdrm	hypo	CHH	-0.4267
Gm02	45966731	45967729	Gmdrm	hypo	CHH	-0.2035
Gm02	45976005	45976944	Gmdrm	hypo	CHH	-0.0222
Gm02	45983537	45984515	Gmdrm	hypo	CHH	-0.0207
Gm02	45988193	45989183	Gmdrm	hypo	CHH	-0.0116
Gm02	46004393	46005384	Gmdrm	hypo	CHH	-0.0256
Gm02	46005396	46005489	Gmdrm	hypo	CHH	-0.0813
Gm02	46007647	46008605	Gmdrm	hypo	CHH	-0.4151
Gm02	46008652	46009018	Gmdrm	hypo	CHH	-0.1571
Gm02	46009121	46010112	Gmdrm	hypo	CHH	-0.1418
Gm02	46011602	46012068	Gmdrm	hypo	CHH	-0.0381
Gm02	46012497	46013106	Gmdrm	hypo	CHH	-0.0476
Gm02	46018364	46019140	Gmdrm	hypo	CHH	-0.0156
Gm02	46026867	46027443	Gmdrm	hypo	CHH	-0.0389

Gm02	46030569	46031569	Gmdrm	hypo	CHH	-0.0104
Gm02	46033607	46034593	Gmdrm	hypo	CHH	-0.0434
Gm02	46040272	46041269	Gmdrm	hypo	CHH	-0.0322
Gm02	46042297	46042888	Gmdrm	hypo	CHH	-0.0955
Gm02	46045394	46046317	Gmdrm	hypo	CHH	-0.0153
Gm02	46050739	46051738	Gmdrm	hypo	CHH	-0.0527
Gm02	46051779	46052770	Gmdrm	hypo	CHH	-0.0242
Gm02	46061546	46061719	Gmdrm	hypo	CHH	-0.047
Gm02	46065988	46066782	Gmdrm	hypo	CHH	-0.035
Gm02	46081266	46082238	Gmdrm	hypo	CHH	-0.1751
Gm02	46083972	46084972	Gmdrm	hypo	CHH	-0.1264
Gm02	46084974	46085390	Gmdrm	hypo	CHH	-0.1518
Gm02	46093067	46094029	Gmdrm	hypo	CHH	-0.0196
Gm02	46102743	46103712	Gmdrm	hypo	CHH	-0.0333
Gm02	46119973	46120972	Gmdrm	hypo	CHH	-0.1728
Gm02	46126214	46127214	Gmdrm	hypo	CHH	-0.1109
Gm02	46127216	46128069	Gmdrm	hypo	CHH	-0.0328
Gm02	46135480	46135702	Gmdrm	hypo	CHH	-0.0568
Gm02	46140357	46141346	Gmdrm	hypo	CHH	-0.016
Gm02	46141370	46142353	Gmdrm	hypo	CHH	-0.1399
Gm02	46142376	46143375	Gmdrm	hypo	CHH	-0.0993
Gm02	46143378	46144376	Gmdrm	hypo	CHH	-0.1067
Gm02	46145282	46146282	Gmdrm	hypo	CHH	-0.0976
Gm02	46146298	46147294	Gmdrm	hypo	CHH	-0.0502
Gm02	46147312	46148310	Gmdrm	hypo	CHH	-0.0137
Gm02	46150325	46151321	Gmdrm	hypo	CHH	-0.0647
Gm02	46151327	46152235	Gmdrm	hypo	CHH	-0.0442
Gm02	46161369	46162356	Gmdrm	hypo	CHH	-0.1054
Gm02	46165416	46166416	Gmdrm	hypo	CHH	-0.0536
Gm02	46166429	46167217	Gmdrm	hypo	CHH	-0.0565
Gm02	46173517	46174032	Gmdrm	hypo	CHH	-0.0177
Gm02	46176223	46177207	Gmdrm	hypo	CHH	-0.0224
Gm02	46195967	46196945	Gmdrm	hypo	CHH	-0.0409
Gm02	46199898	46200892	Gmdrm	hypo	CHH	-0.0451
Gm02	46200899	46201891	Gmdrm	hypo	CHH	-0.0946
Gm02	46216083	46217047	Gmdrm	hypo	CHH	-0.0248
Gm02	46220482	46221467	Gmdrm	hypo	CHH	-0.0401
Gm02	46223543	46224499	Gmdrm	hypo	CHH	-0.0221
Gm02	46228512	46229511	Gmdrm	hypo	CHH	-0.0119
Gm02	46229539	46229898	Gmdrm	hypo	CHH	-0.0207
Gm02	46242525	46243521	Gmdrm	hypo	CHH	-0.0275
Gm02	46247916	46248860	Gmdrm	hypo	CHH	-0.014
Gm02	46257316	46258275	Gmdrm	hypo	CHH	-0.0206
Gm02	46264102	46265102	Gmdrm	hypo	CHH	-0.0286
Gm02	46265115	46266112	Gmdrm	hypo	CHH	-0.0351
Gm02	46267184	46268157	Gmdrm	hypo	CHH	-0.019

Gm02	46273704	46274701 Gmdrm	hypo	CHH	-0.0309
Gm02	46274729	46275710 Gmdrm	hypo	CHH	-0.0253
Gm02	46279674	46280674 Gmdrm	hypo	CHH	-0.1444
Gm02	46280675	46281648 Gmdrm	hypo	CHH	-0.1968
Gm02	46282689	46283668 Gmdrm	hypo	CHH	-0.0145
Gm02	46288283	46289279 Gmdrm	hypo	CHH	-0.0402
Gm02	46291196	46292151 Gmdrm	hypo	CHH	-0.0159
Gm02	46292201	46293191 Gmdrm	hypo	CHH	-0.0255
Gm02	46296663	46297616 Gmdrm	hypo	CHH	-0.0489
Gm02	46298546	46298844 Gmdrm	hypo	CHH	-0.1818
Gm02	46298977	46299952 Gmdrm	hypo	CHH	-0.0412
Gm02	46329161	46330159 Gmdrm	hypo	CHH	-0.0336
Gm02	46341019	46341496 Gmdrm	hypo	CHH	-0.1387
Gm02	46349114	46350111 Gmdrm	hypo	CHH	-0.0211
Gm02	46354254	46355244 Gmdrm	hypo	CHH	-0.0191
Gm02	46367555	46367790 Gmdrm	hypo	CHH	-0.132
Gm02	46367990	46368987 Gmdrm	hypo	CHH	-0.1636
Gm02	46368991	46369979 Gmdrm	hypo	CHH	-0.1257
Gm02	46372915	46373604 Gmdrm	hypo	CHH	-0.039
Gm02	46373975	46374377 Gmdrm	hypo	CHH	-0.1304
Gm02	46395583	46396579 Gmdrm	hypo	CHH	-0.089
Gm02	46396584	46397574 Gmdrm	hypo	CHH	-0.0378
Gm02	46405287	46406212 Gmdrm	hypo	CHH	-0.0151
Gm02	46411349	46412340 Gmdrm	hypo	CHH	-0.0539
Gm02	46425578	46425677 Gmdrm	hypo	CHH	-0.0386
Gm02	46427915	46428912 Gmdrm	hypo	CHH	-0.0984
Gm02	46428918	46429429 Gmdrm	hypo	CHH	-0.0999
Gm02	46432648	46433254 Gmdrm	hypo	CHH	-0.2719
Gm02	46435895	46436858 Gmdrm	hypo	CHH	-0.0263
Gm02	46436960	46437958 Gmdrm	hypo	CHH	-0.0261
Gm02	46476354	46477353 Gmdrm	hypo	CHH	-0.0183
Gm02	46505146	46506090 Gmdrm	hypo	CHH	-0.0314
Gm02	46508429	46509266 Gmdrm	hypo	CHH	-0.0176
Gm02	46516815	46517110 Gmdrm	hypo	CHH	-0.0894
Gm02	46526848	46527826 Gmdrm	hypo	CHH	-0.0235
Gm02	46534733	46535719 Gmdrm	hypo	CHH	-0.0398
Gm02	46538950	46539875 Gmdrm	hypo	CHH	-0.1701
Gm02	46543779	46544761 Gmdrm	hypo	CHH	-0.02
Gm02	46549083	46550082 Gmdrm	hypo	CHH	-0.1071
Gm02	46556493	46557492 Gmdrm	hypo	CHH	-0.093
Gm02	46557502	46558461 Gmdrm	hypo	CHH	-0.2405
Gm02	46571466	46571996 Gmdrm	hypo	CHH	-0.0229
Gm02	46587577	46588521 Gmdrm	hypo	CHH	-0.1757
Gm02	46592444	46592895 Gmdrm	hypo	CHH	-0.068
Gm02	46593214	46594146 Gmdrm	hypo	CHH	-0.0549
Gm02	46608870	46609276 Gmdrm	hypo	CHH	-0.0296

Gm02	46616902	46617887	Gmdrm	hypo	CHH	-0.0614
Gm02	46638128	46639122	Gmdrm	hypo	CHH	-0.0283
Gm02	46639138	46640118	Gmdrm	hypo	CHH	-0.0152
Gm02	46643139	46644139	Gmdrm	hypo	CHH	-0.0679
Gm02	46645147	46646086	Gmdrm	hypo	CHH	-0.0465
Gm02	46651735	46652721	Gmdrm	hypo	CHH	-0.0173
Gm02	46665724	46666712	Gmdrm	hypo	CHH	-0.0141
Gm02	46673031	46674029	Gmdrm	hypo	CHH	-0.078
Gm02	46674039	46674978	Gmdrm	hypo	CHH	-0.141
Gm02	46675048	46676024	Gmdrm	hypo	CHH	-0.1439
Gm02	46686714	46687713	Gmdrm	hypo	CHH	-0.0377
Gm02	46687715	46688705	Gmdrm	hypo	CHH	-0.0215
Gm02	46692326	46693313	Gmdrm	hypo	CHH	-0.0387
Gm02	46701178	46702174	Gmdrm	hypo	CHH	-0.0375
Gm02	46704979	46705963	Gmdrm	hypo	CHH	-0.04
Gm02	46705990	46706974	Gmdrm	hypo	CHH	-0.0239
Gm02	46713763	46714720	Gmdrm	hypo	CHH	-0.03
Gm02	46731483	46732462	Gmdrm	hypo	CHH	-0.0352
Gm02	46745445	46746445	Gmdrm	hypo	CHH	-0.0371
Gm02	46746454	46747449	Gmdrm	hypo	CHH	-0.2559
Gm02	46748041	46749034	Gmdrm	hypo	CHH	-0.0192
Gm02	46760898	46761884	Gmdrm	hypo	CHH	-0.0114
Gm02	46770092	46770909	Gmdrm	hypo	CHH	-0.0166
Gm02	46782786	46783784	Gmdrm	hypo	CHH	-0.0517
Gm02	46784205	46785203	Gmdrm	hypo	CHH	-0.2042
Gm02	46785213	46785824	Gmdrm	hypo	CHH	-0.2766
Gm02	46791331	46792331	Gmdrm	hypo	CHH	-0.1845
Gm02	46792340	46793328	Gmdrm	hypo	CHH	-0.1358
Gm02	46793366	46793754	Gmdrm	hypo	CHH	-0.0458
Gm02	46798454	46799453	Gmdrm	hypo	CHH	-0.0124
Gm02	46801503	46802501	Gmdrm	hypo	CHH	-0.1045
Gm02	46817896	46818466	Gmdrm	hypo	CHH	-0.0207
Gm02	46818919	46819913	Gmdrm	hypo	CHH	-0.0713
Gm02	46819935	46820148	Gmdrm	hypo	CHH	-0.04
Gm02	46830618	46831617	Gmdrm	hypo	CHH	-0.075
Gm02	46831633	46832633	Gmdrm	hypo	CHH	-0.0773
Gm02	46832640	46832929	Gmdrm	hypo	CHH	-0.0597
Gm02	46835452	46836451	Gmdrm	hypo	CHH	-0.0712
Gm02	46836460	46837455	Gmdrm	hypo	CHH	-0.0737
Gm02	46837461	46838459	Gmdrm	hypo	CHH	-0.07
Gm02	46838463	46839456	Gmdrm	hypo	CHH	-0.0468
Gm02	46839465	46840463	Gmdrm	hypo	CHH	-0.0517
Gm02	46843800	46844787	Gmdrm	hypo	CHH	-0.1105
Gm02	46844802	46845801	Gmdrm	hypo	CHH	-0.024
Gm02	46847083	46848070	Gmdrm	hypo	CHH	-0.02
Gm02	46848094	46848528	Gmdrm	hypo	CHH	-0.0263

Gm02	46848630	46849509	Gmdrm	hypo	CHH	-0.0656
Gm02	46851180	46851931	Gmdrm	hypo	CHH	-0.02
Gm02	46852064	46853051	Gmdrm	hypo	CHH	-0.0751
Gm02	46853079	46854077	Gmdrm	hypo	CHH	-0.0663
Gm02	46854091	46854890	Gmdrm	hypo	CHH	-0.0432
Gm02	46859278	46860239	Gmdrm	hypo	CHH	-0.0208
Gm02	46863304	46864301	Gmdrm	hypo	CHH	-0.0929
Gm02	46864308	46865305	Gmdrm	hypo	CHH	-0.0349
Gm02	46866088	46867073	Gmdrm	hypo	CHH	-0.03
Gm02	46867114	46868113	Gmdrm	hypo	CHH	-0.0155
Gm02	46872878	46873877	Gmdrm	hypo	CHH	-0.0308
Gm02	46873880	46874853	Gmdrm	hypo	CHH	-0.1215
Gm02	46879324	46880314	Gmdrm	hypo	CHH	-0.1801
Gm02	46880325	46880743	Gmdrm	hypo	CHH	-0.0707
Gm02	46895668	46896338	Gmdrm	hypo	CHH	-0.0184
Gm02	46899819	46900816	Gmdrm	hypo	CHH	-0.044
Gm02	46901829	46902682	Gmdrm	hypo	CHH	-0.0316
Gm02	46923588	46924585	Gmdrm	hypo	CHH	-0.1268
Gm02	46924595	46925281	Gmdrm	hypo	CHH	-0.2044
Gm02	46926137	46927122	Gmdrm	hypo	CHH	-0.0275
Gm02	46936839	46937838	Gmdrm	hypo	CHH	-0.052
Gm02	46937840	46938504	Gmdrm	hypo	CHH	-0.195
Gm02	46947728	46948695	Gmdrm	hypo	CHH	-0.0152
Gm02	46950116	46951113	Gmdrm	hypo	CHH	-0.0426
Gm02	46956284	46957283	Gmdrm	hypo	CHH	-0.0156
Gm02	46971889	46972017	Gmdrm	hypo	CHH	-0.0534
Gm02	46978751	46979745	Gmdrm	hypo	CHH	-0.1047
Gm02	46995464	46996464	Gmdrm	hypo	CHH	-0.0558
Gm02	46996468	46997465	Gmdrm	hypo	CHH	-0.1165
Gm02	47000497	47000878	Gmdrm	hypo	CHH	-0.0343
Gm02	47004270	47005269	Gmdrm	hypo	CHH	-0.0333
Gm02	47017081	47018081	Gmdrm	hypo	CHH	-0.0803
Gm02	47018085	47019076	Gmdrm	hypo	CHH	-0.0626
Gm02	47020188	47021177	Gmdrm	hypo	CHH	-0.0096
Gm02	47021192	47022192	Gmdrm	hypo	CHH	-0.2905
Gm02	47022239	47022729	Gmdrm	hypo	CHH	-0.0513
Gm02	47024059	47025052	Gmdrm	hypo	CHH	-0.0155
Gm02	47030449	47031436	Gmdrm	hypo	CHH	-0.0168
Gm02	47052055	47053050	Gmdrm	hypo	CHH	-0.0173
Gm02	47063457	47064335	Gmdrm	hypo	CHH	-0.4086
Gm02	47070452	47070622	Gmdrm	hypo	CHH	-0.03
Gm02	47081942	47082936	Gmdrm	hypo	CHH	-0.3411
Gm02	47088339	47089328	Gmdrm	hypo	CHH	-0.0172
Gm02	47089445	47090444	Gmdrm	hypo	CHH	-0.0172
Gm02	47092232	47093225	Gmdrm	hypo	CHH	-0.0319
Gm02	47093259	47093327	Gmdrm	hypo	CHH	-0.1067

Gm02	47096403	47097367	Gmdrm	hypo	CHH	-0.0698
Gm02	47101868	47102847	Gmdrm	hypo	CHH	-0.2811
Gm02	47102875	47103857	Gmdrm	hypo	CHH	-0.0139
Gm02	47105315	47106305	Gmdrm	hypo	CHH	-0.015
Gm02	47106319	47107303	Gmdrm	hypo	CHH	-0.0161
Gm02	47108364	47109298	Gmdrm	hypo	CHH	-0.0653
Gm02	47114729	47115363	Gmdrm	hypo	CHH	-0.0236
Gm02	47115700	47116575	Gmdrm	hypo	CHH	-0.0215
Gm02	47143129	47144107	Gmdrm	hypo	CHH	-0.0314
Gm02	47146223	47146588	Gmdrm	hypo	CHH	-0.128
Gm02	47149868	47150861	Gmdrm	hypo	CHH	-0.1014
Gm02	47150874	47151843	Gmdrm	hypo	CHH	-0.1227
Gm02	47151893	47152734	Gmdrm	hypo	CHH	-0.1159
Gm02	47152870	47153868	Gmdrm	hypo	CHH	-0.0918
Gm02	47156498	47157497	Gmdrm	hypo	CHH	-0.0216
Gm02	47159519	47160306	Gmdrm	hypo	CHH	-0.0631
Gm02	47168107	47168681	Gmdrm	hypo	CHH	-0.0395
Gm02	47187013	47188003	Gmdrm	hypo	CHH	-0.0138
Gm02	47205797	47206255	Gmdrm	hypo	CHH	-0.0878
Gm02	47212537	47213522	Gmdrm	hypo	CHH	-0.0123
Gm02	47275319	47276313	Gmdrm	hypo	CHH	-0.0262
Gm02	47276320	47277310	Gmdrm	hypo	CHH	-0.0962
Gm02	47277333	47278315	Gmdrm	hypo	CHH	-0.0636
Gm02	47278335	47278985	Gmdrm	hypo	CHH	-0.018
Gm02	47283241	47283265	Gmdrm	hypo	CHH	-0.035
Gm02	47290364	47291346	Gmdrm	hypo	CHH	-0.0143
Gm02	47293586	47294572	Gmdrm	hypo	CHH	-0.0217
Gm02	47307075	47307606	Gmdrm	hypo	CHH	-0.2065
Gm02	47309563	47310082	Gmdrm	hypo	CHH	-0.1048
Gm02	47315011	47315874	Gmdrm	hypo	CHH	-0.1675
Gm02	47319767	47320739	Gmdrm	hypo	CHH	-0.2336
Gm02	47320783	47321190	Gmdrm	hypo	CHH	-0.029
Gm02	47340537	47341534	Gmdrm	hypo	CHH	-0.0199
Gm02	47357005	47357809	Gmdrm	hypo	CHH	-0.0215
Gm02	47370439	47371397	Gmdrm	hypo	CHH	-0.2654
Gm02	47371446	47372397	Gmdrm	hypo	CHH	-0.1162
Gm02	47376055	47377046	Gmdrm	hypo	CHH	-0.0269
Gm02	47377072	47377663	Gmdrm	hypo	CHH	-0.0307
Gm02	47392046	47393045	Gmdrm	hypo	CHH	-0.3854
Gm02	47393051	47393474	Gmdrm	hypo	CHH	-0.1014
Gm02	47410034	47411019	Gmdrm	hypo	CHH	-0.0177
Gm02	47414340	47415319	Gmdrm	hypo	CHH	-0.0181
Gm02	47430880	47431862	Gmdrm	hypo	CHH	-0.0158
Gm02	47439128	47440128	Gmdrm	hypo	CHH	-0.0558
Gm02	47442947	47443886	Gmdrm	hypo	CHH	-0.0143
Gm02	47443985	47444971	Gmdrm	hypo	CHH	-0.0572

Gm02	47472529	47473497	Gmdrm	hypo	CHH	-0.079
Gm02	47484914	47485381	Gmdrm	hypo	CHH	-0.0223
Gm02	47512937	47513930	Gmdrm	hypo	CHH	-0.0396
Gm02	47513949	47514949	Gmdrm	hypo	CHH	-0.1326
Gm02	47514954	47515783	Gmdrm	hypo	CHH	-0.0616
Gm02	47518153	47519139	Gmdrm	hypo	CHH	-0.1613
Gm02	47519160	47519974	Gmdrm	hypo	CHH	-0.3419
Gm02	47524154	47524502	Gmdrm	hypo	CHH	-0.0439
Gm02	47537031	47538012	Gmdrm	hypo	CHH	-0.1104
Gm02	47541440	47542434	Gmdrm	hypo	CHH	-0.0131
Gm02	47546121	47546497	Gmdrm	hypo	CHH	-0.1943
Gm02	47551913	47552120	Gmdrm	hypo	CHH	-0.1459
Gm02	47552380	47553248	Gmdrm	hypo	CHH	-0.1124
Gm02	47555839	47556833	Gmdrm	hypo	CHH	-0.0189
Gm02	47566291	47567281	Gmdrm	hypo	CHH	-0.0191
Gm02	47572490	47573490	Gmdrm	hypo	CHH	-0.0617
Gm02	47608762	47609483	Gmdrm	hypo	CHH	-0.0865
Gm02	47618619	47619611	Gmdrm	hypo	CHH	-0.1182
Gm02	47619625	47620607	Gmdrm	hypo	CHH	-0.0399
Gm02	47634429	47635421	Gmdrm	hypo	CHH	-0.0184
Gm02	47638589	47639588	Gmdrm	hypo	CHH	-0.0191
Gm02	47641996	47642987	Gmdrm	hypo	CHH	-0.0159
Gm02	47667962	47668942	Gmdrm	hypo	CHH	-0.3757
Gm02	47674354	47675354	Gmdrm	hypo	CHH	-0.0756
Gm02	47675371	47676369	Gmdrm	hypo	CHH	-0.175
Gm02	47682133	47683125	Gmdrm	hypo	CHH	-0.0149
Gm02	47695924	47696902	Gmdrm	hypo	CHH	-0.0277
Gm02	47697965	47698962	Gmdrm	hypo	CHH	-0.016
Gm02	47704314	47705292	Gmdrm	hypo	CHH	-0.0755
Gm02	47714460	47715459	Gmdrm	hypo	CHH	-0.0746
Gm02	47723554	47724548	Gmdrm	hypo	CHH	-0.0142
Gm02	47727922	47728912	Gmdrm	hypo	CHH	-0.0578
Gm02	47728923	47729839	Gmdrm	hypo	CHH	-0.1548
Gm02	47744143	47745138	Gmdrm	hypo	CHH	-0.0403
Gm02	47745144	47746142	Gmdrm	hypo	CHH	-0.0773
Gm02	47746148	47747138	Gmdrm	hypo	CHH	-0.0568
Gm02	47759997	47760082	Gmdrm	hypo	CHH	-0.08
Gm02	47760218	47761210	Gmdrm	hypo	CHH	-0.2938
Gm02	47768796	47769792	Gmdrm	hypo	CHH	-0.0236
Gm02	47770810	47771804	Gmdrm	hypo	CHH	-0.0127
Gm02	47773139	47774135	Gmdrm	hypo	CHH	-0.0217
Gm02	47785396	47786376	Gmdrm	hypo	CHH	-0.0121
Gm02	47792236	47793233	Gmdrm	hypo	CHH	-0.0177
Gm02	47811304	47812251	Gmdrm	hypo	CHH	-0.0208
Gm02	47813376	47814372	Gmdrm	hypo	CHH	-0.0242
Gm02	47819234	47820233	Gmdrm	hypo	CHH	-0.0562

Gm02	47823784	47824383	Gmdrm	hypo	CHH	-0.0307
Gm02	47842927	47843927	Gmdrm	hypo	CHH	-0.0218
Gm02	47845369	47846363	Gmdrm	hypo	CHH	-0.1469
Gm02	47847379	47848369	Gmdrm	hypo	CHH	-0.101
Gm02	47866582	47867510	Gmdrm	hypo	CHH	-0.0537
Gm02	47869632	47870585	Gmdrm	hypo	CHH	-0.2804
Gm02	47871958	47872956	Gmdrm	hypo	CHH	-0.0314
Gm02	47883996	47884995	Gmdrm	hypo	CHH	-0.0204
Gm02	47899075	47900061	Gmdrm	hypo	CHH	-0.0145
Gm02	47911297	47912288	Gmdrm	hypo	CHH	-0.0164
Gm02	47916015	47916982	Gmdrm	hypo	CHH	-0.0552
Gm02	47928236	47929226	Gmdrm	hypo	CHH	-0.0204
Gm02	47932870	47933150	Gmdrm	hypo	CHH	-0.0364
Gm02	47936503	47937448	Gmdrm	hypo	CHH	-0.0173
Gm02	47950979	47951966	Gmdrm	hypo	CHH	-0.0223
Gm02	47960686	47961682	Gmdrm	hypo	CHH	-0.0198
Gm02	47961698	47962692	Gmdrm	hypo	CHH	-0.0709
Gm02	47973009	47973987	Gmdrm	hypo	CHH	-0.0127
Gm02	47983819	47984798	Gmdrm	hypo	CHH	-0.0158
Gm02	47988464	47989380	Gmdrm	hypo	CHH	-0.0185
Gm02	47992603	47993603	Gmdrm	hypo	CHH	-0.1681
Gm02	47993608	47994120	Gmdrm	hypo	CHH	-0.4121
Gm02	48002240	48003232	Gmdrm	hypo	CHH	-0.0154
Gm02	48007462	48007653	Gmdrm	hypo	CHH	-0.059
Gm02	48027931	48028926	Gmdrm	hypo	CHH	-0.0222
Gm02	48044104	48044975	Gmdrm	hypo	CHH	-0.0182
Gm02	48050296	48050851	Gmdrm	hypo	CHH	-0.0396
Gm02	48076341	48076539	Gmdrm	hypo	CHH	-0.0262
Gm02	48078857	48079855	Gmdrm	hypo	CHH	-0.0174
Gm02	48080878	48081876	Gmdrm	hypo	CHH	-0.0095
Gm02	48089465	48089894	Gmdrm	hypo	CHH	-0.0553
Gm02	48102445	48103438	Gmdrm	hypo	CHH	-0.0984
Gm02	48105893	48106876	Gmdrm	hypo	CHH	-0.0184
Gm02	48109571	48109692	Gmdrm	hypo	CHH	-0.045
Gm02	48114827	48115823	Gmdrm	hypo	CHH	-0.0297
Gm02	48115854	48115898	Gmdrm	hypo	CHH	-0.082
Gm02	48126142	48126589	Gmdrm	hypo	CHH	-0.0314
Gm02	48127236	48128219	Gmdrm	hypo	CHH	-0.0302
Gm02	48133857	48134857	Gmdrm	hypo	CHH	-0.02
Gm02	48144403	48145399	Gmdrm	hypo	CHH	-0.1546
Gm02	48164455	48165279	Gmdrm	hypo	CHH	-0.0228
Gm02	48166008	48166393	Gmdrm	hypo	CHH	-0.0281
Gm02	48167642	48168642	Gmdrm	hypo	CHH	-0.0456
Gm02	48168644	48169641	Gmdrm	hypo	CHH	-0.0919
Gm02	48169674	48170664	Gmdrm	hypo	CHH	-0.1545
Gm02	48171642	48172642	Gmdrm	hypo	CHH	-0.1719

Gm02	48172649	48173640	Gmdrm	hypo	CHH	-0.1293
Gm02	48176393	48177373	Gmdrm	hypo	CHH	-0.0238
Gm02	48181774	48182766	Gmdrm	hypo	CHH	-0.1554
Gm02	48182777	48183761	Gmdrm	hypo	CHH	-0.0936
Gm02	48184789	48185777	Gmdrm	hypo	CHH	-0.0097
Gm02	48186844	48187839	Gmdrm	hypo	CHH	-0.0517
Gm02	48203275	48204270	Gmdrm	hypo	CHH	-0.099
Gm02	48204282	48205282	Gmdrm	hypo	CHH	-0.0494
Gm02	48205288	48205819	Gmdrm	hypo	CHH	-0.0558
Gm02	48209482	48210465	Gmdrm	hypo	CHH	-0.0829
Gm02	48220842	48221839	Gmdrm	hypo	CHH	-0.1978
Gm02	48221849	48222841	Gmdrm	hypo	CHH	-0.1967
Gm02	48222852	48223829	Gmdrm	hypo	CHH	-0.0137
Gm02	48248408	48249349	Gmdrm	hypo	CHH	-0.0283
Gm02	48259487	48260460	Gmdrm	hypo	CHH	-0.0368
Gm02	48260506	48261501	Gmdrm	hypo	CHH	-0.0549
Gm02	48269824	48270819	Gmdrm	hypo	CHH	-0.0438
Gm02	48275151	48275324	Gmdrm	hypo	CHH	-0.0782
Gm02	48283445	48283870	Gmdrm	hypo	CHH	-0.046
Gm02	48283994	48284968	Gmdrm	hypo	CHH	-0.0133
Gm02	48296376	48297360	Gmdrm	hypo	CHH	-0.2271
Gm02	48313690	48314450	Gmdrm	hypo	CHH	-0.0332
Gm02	48319028	48320028	Gmdrm	hypo	CHH	-0.021
Gm02	48320031	48321022	Gmdrm	hypo	CHH	-0.0373
Gm02	48327798	48328774	Gmdrm	hypo	CHH	-0.0132
Gm02	48329844	48330830	Gmdrm	hypo	CHH	-0.0535
Gm02	48334320	48335318	Gmdrm	hypo	CHH	-0.0626
Gm02	48336338	48337336	Gmdrm	hypo	CHH	-0.0864
Gm02	48340681	48341674	Gmdrm	hypo	CHH	-0.0269
Gm02	48341724	48342484	Gmdrm	hypo	CHH	-0.1132
Gm02	48343696	48344695	Gmdrm	hypo	CHH	-0.0671
Gm02	48353413	48353696	Gmdrm	hypo	CHH	-0.0301
Gm02	48354462	48355446	Gmdrm	hypo	CHH	-0.034
Gm02	48355469	48356465	Gmdrm	hypo	CHH	-0.0133
Gm02	48356475	48357475	Gmdrm	hypo	CHH	-0.0363
Gm02	48358472	48359458	Gmdrm	hypo	CHH	-0.0872
Gm02	48361479	48362433	Gmdrm	hypo	CHH	-0.1495
Gm02	48362502	48363496	Gmdrm	hypo	CHH	-0.2929
Gm02	48363504	48364463	Gmdrm	hypo	CHH	-0.1679
Gm02	48365638	48366609	Gmdrm	hypo	CHH	-0.016
Gm02	48369210	48370206	Gmdrm	hypo	CHH	-0.0311
Gm02	48376223	48377222	Gmdrm	hypo	CHH	-0.0208
Gm02	48377229	48378213	Gmdrm	hypo	CHH	-0.0894
Gm02	48378242	48378486	Gmdrm	hypo	CHH	-0.0434
Gm02	48384787	48385764	Gmdrm	hypo	CHH	-0.0244
Gm02	48399778	48400775	Gmdrm	hypo	CHH	-0.0294

Gm02	48412562	48413314	Gmdrm	hypo	CHH	-0.0238
Gm02	48413486	48414485	Gmdrm	hypo	CHH	-0.0639
Gm02	48414491	48415480	Gmdrm	hypo	CHH	-0.2378
Gm02	48440117	48441111	Gmdrm	hypo	CHH	-0.0407
Gm02	48455853	48456366	Gmdrm	hypo	CHH	-0.04
Gm02	48460661	48461652	Gmdrm	hypo	CHH	-0.0555
Gm02	48461680	48462677	Gmdrm	hypo	CHH	-0.0376
Gm02	48463688	48464687	Gmdrm	hypo	CHH	-0.0105
Gm02	48464697	48465687	Gmdrm	hypo	CHH	-0.1866
Gm02	48465720	48466681	Gmdrm	hypo	CHH	-0.0694
Gm02	48466722	48467192	Gmdrm	hypo	CHH	-0.1309
Gm02	48512826	48513803	Gmdrm	hypo	CHH	-0.0135
Gm02	48544175	48545160	Gmdrm	hypo	CHH	-0.0857
Gm02	48546182	48547179	Gmdrm	hypo	CHH	-0.0438
Gm02	48550613	48550957	Gmdrm	hypo	CHH	-0.0378
Gm02	48551095	48551727	Gmdrm	hypo	CHH	-0.0914
Gm02	48556878	48557862	Gmdrm	hypo	CHH	-0.0918
Gm02	48565409	48566385	Gmdrm	hypo	CHH	-0.0254
Gm02	48566427	48567386	Gmdrm	hypo	CHH	-0.0146
Gm02	48569475	48570472	Gmdrm	hypo	CHH	-0.1767
Gm02	48570497	48571493	Gmdrm	hypo	CHH	-0.0202
Gm02	48580272	48581262	Gmdrm	hypo	CHH	-0.0149
Gm02	48588948	48589019	Gmdrm	hypo	CHH	-0.0874
Gm02	48595004	48595975	Gmdrm	hypo	CHH	-0.057
Gm02	48597022	48598008	Gmdrm	hypo	CHH	-0.0231
Gm02	48601727	48601873	Gmdrm	hypo	CHH	-0.1139
Gm02	48611338	48612314	Gmdrm	hypo	CHH	-0.0144
Gm02	48638176	48639176	Gmdrm	hypo	CHH	-0.0944
Gm02	48645439	48646225	Gmdrm	hypo	CHH	-0.0227
Gm02	48647368	48647829	Gmdrm	hypo	CHH	-0.0325
Gm02	48667568	48668526	Gmdrm	hypo	CHH	-0.0148
Gm02	48674514	48675501	Gmdrm	hypo	CHH	-0.0136
Gm02	48682365	48683350	Gmdrm	hypo	CHH	-0.0229
Gm02	48698817	48699817	Gmdrm	hypo	CHH	-0.0917
Gm02	48699818	48700815	Gmdrm	hypo	CHH	-0.03
Gm02	48705931	48706926	Gmdrm	hypo	CHH	-0.0339
Gm02	48718826	48719824	Gmdrm	hypo	CHH	-0.0516
Gm02	48719827	48720821	Gmdrm	hypo	CHH	-0.1129
Gm02	48731216	48732211	Gmdrm	hypo	CHH	-0.0135
Gm02	48738768	48739765	Gmdrm	hypo	CHH	-0.0236
Gm02	48749456	48750433	Gmdrm	hypo	CHH	-0.0156
Gm02	48763535	48764483	Gmdrm	hypo	CHH	-0.0303
Gm02	48765069	48766068	Gmdrm	hypo	CHH	-0.0764
Gm02	48766072	48767067	Gmdrm	hypo	CHH	-0.0506
Gm02	48767089	48768069	Gmdrm	hypo	CHH	-0.0433
Gm02	48768118	48769117	Gmdrm	hypo	CHH	-0.0189

Gm02	48778131	48779116 Gmdrm	hypo	CHH	-0.0163
Gm02	48789225	48790224 Gmdrm	hypo	CHH	-0.0218
Gm02	48796971	48797967 Gmdrm	hypo	CHH	-0.0272
Gm02	48797974	48798974 Gmdrm	hypo	CHH	-0.1134
Gm02	48798976	48799972 Gmdrm	hypo	CHH	-0.1546
Gm02	48799979	48800940 Gmdrm	hypo	CHH	-0.0281
Gm02	48812526	48812802 Gmdrm	hypo	CHH	-0.0408
Gm02	48829369	48830367 Gmdrm	hypo	CHH	-0.0166
Gm02	48831392	48831902 Gmdrm	hypo	CHH	-0.0258
Gm02	48837309	48838305 Gmdrm	hypo	CHH	-0.0177
Gm02	48841081	48842071 Gmdrm	hypo	CHH	-0.015
Gm02	48846016	48846812 Gmdrm	hypo	CHH	-0.1062
Gm02	48850873	48851047 Gmdrm	hypo	CHH	-0.0366
Gm02	48866131	48866715 Gmdrm	hypo	CHH	-0.0294
Gm02	48873564	48873939 Gmdrm	hypo	CHH	-0.0777
Gm02	48874113	48874464 Gmdrm	hypo	CHH	-0.05
Gm02	48874582	48875582 Gmdrm	hypo	CHH	-0.0217
Gm02	48892248	48892695 Gmdrm	hypo	CHH	-0.0217
Gm02	48894815	48895809 Gmdrm	hypo	CHH	-0.0412
Gm02	48895817	48896773 Gmdrm	hypo	CHH	-0.1534
Gm02	48896862	48897860 Gmdrm	hypo	CHH	-0.0532
Gm02	48897863	48898858 Gmdrm	hypo	CHH	-0.1719
Gm02	48898865	48899628 Gmdrm	hypo	CHH	-0.062
Gm02	48901809	48902808 Gmdrm	hypo	CHH	-0.0186
Gm02	48909814	48910774 Gmdrm	hypo	CHH	-0.0298
Gm02	48912656	48913644 Gmdrm	hypo	CHH	-0.0474
Gm02	48917072	48918042 Gmdrm	hypo	CHH	-0.0469
Gm02	48925828	48926586 Gmdrm	hypo	CHH	-0.0239
Gm02	48940090	48941071 Gmdrm	hypo	CHH	-0.0271
Gm02	48948687	48949547 Gmdrm	hypo	CHH	-0.0127
Gm02	48965698	48966686 Gmdrm	hypo	CHH	-0.0176
Gm02	48968645	48968779 Gmdrm	hypo	CHH	-0.0292
Gm02	48984646	48985578 Gmdrm	hypo	CHH	-0.0543
Gm02	48989018	48989473 Gmdrm	hypo	CHH	-0.057
Gm02	48997856	48998853 Gmdrm	hypo	CHH	-0.2791
Gm02	48998858	48999852 Gmdrm	hypo	CHH	-0.2363
Gm02	49006824	49007760 Gmdrm	hypo	CHH	-0.0137
Gm02	49023396	49024393 Gmdrm	hypo	CHH	-0.1107
Gm02	49034301	49035243 Gmdrm	hypo	CHH	-0.0235
Gm02	49046884	49047870 Gmdrm	hypo	CHH	-0.0827
Gm02	49047899	49048878 Gmdrm	hypo	CHH	-0.0219
Gm02	49049918	49050070 Gmdrm	hypo	CHH	-0.0636
Gm02	49055659	49056657 Gmdrm	hypo	CHH	-0.2243
Gm02	49056664	49057235 Gmdrm	hypo	CHH	-0.0775
Gm02	49066117	49066783 Gmdrm	hypo	CHH	-0.3548
Gm02	49094365	49095363 Gmdrm	hypo	CHH	-0.0152

Gm02	49096423	49097327	Gmdrm	hypo	CHH	-0.038
Gm02	49097625	49098613	Gmdrm	hypo	CHH	-0.0211
Gm02	49102348	49103338	Gmdrm	hypo	CHH	-0.0641
Gm02	49103353	49104352	Gmdrm	hypo	CHH	-0.0704
Gm02	49104367	49105348	Gmdrm	hypo	CHH	-0.055
Gm02	49105374	49106359	Gmdrm	hypo	CHH	-0.0354
Gm02	49107437	49108433	Gmdrm	hypo	CHH	-0.0299
Gm02	49113051	49114049	Gmdrm	hypo	CHH	-0.0171
Gm02	49134170	49135170	Gmdrm	hypo	CHH	-0.0162
Gm02	49141608	49142147	Gmdrm	hypo	CHH	-0.0198
Gm02	49142259	49143224	Gmdrm	hypo	CHH	-0.0251
Gm02	49151071	49151277	Gmdrm	hypo	CHH	-0.0427
Gm02	49153519	49154466	Gmdrm	hypo	CHH	-0.1182
Gm02	49167627	49168616	Gmdrm	hypo	CHH	-0.024
Gm02	49177665	49178626	Gmdrm	hypo	CHH	-0.0411
Gm02	49178670	49179659	Gmdrm	hypo	CHH	-0.0304
Gm02	49191108	49191964	Gmdrm	hypo	CHH	-0.015
Gm02	49199012	49200002	Gmdrm	hypo	CHH	-0.2775
Gm02	49200013	49200371	Gmdrm	hypo	CHH	-0.1403
Gm02	49204442	49205308	Gmdrm	hypo	CHH	-0.2849
Gm02	49206558	49207541	Gmdrm	hypo	CHH	-0.2458
Gm02	49209842	49210836	Gmdrm	hypo	CHH	-0.0188
Gm02	49210850	49211848	Gmdrm	hypo	CHH	-0.0445
Gm02	49221762	49222752	Gmdrm	hypo	CHH	-0.0388
Gm02	49222763	49223763	Gmdrm	hypo	CHH	-0.0481
Gm02	49224791	49225790	Gmdrm	hypo	CHH	-0.0172
Gm02	49225792	49226754	Gmdrm	hypo	CHH	-0.0143
Gm02	49230196	49231194	Gmdrm	hypo	CHH	-0.0185
Gm02	49232221	49232905	Gmdrm	hypo	CHH	-0.05
Gm02	49238547	49239534	Gmdrm	hypo	CHH	-0.0358
Gm02	49240653	49241643	Gmdrm	hypo	CHH	-0.0183
Gm02	49259657	49260656	Gmdrm	hypo	CHH	-0.032
Gm02	49266756	49267737	Gmdrm	hypo	CHH	-0.0298
Gm02	49268805	49269295	Gmdrm	hypo	CHH	-0.1844
Gm02	49269573	49270528	Gmdrm	hypo	CHH	-0.033
Gm02	49275007	49276007	Gmdrm	hypo	CHH	-0.0989
Gm02	49288041	49288946	Gmdrm	hypo	CHH	-0.0599
Gm02	49292779	49293773	Gmdrm	hypo	CHH	-0.0163
Gm02	49307177	49308173	Gmdrm	hypo	CHH	-0.0181
Gm02	49308180	49309178	Gmdrm	hypo	CHH	-0.0829
Gm02	49314157	49315152	Gmdrm	hypo	CHH	-0.0183
Gm02	49345882	49346859	Gmdrm	hypo	CHH	-0.0408
Gm02	49347966	49348965	Gmdrm	hypo	CHH	-0.1573
Gm02	49348968	49349943	Gmdrm	hypo	CHH	-0.1015
Gm02	49355770	49356744	Gmdrm	hypo	CHH	-0.1798
Gm02	49360846	49361213	Gmdrm	hypo	CHH	-0.0633

Gm02	49374585	49375584	Gmdrm	hypo	CHH	-0.0177
Gm02	49384437	49384929	Gmdrm	hypo	CHH	-0.0478
Gm02	49413163	49413573	Gmdrm	hypo	CHH	-0.043
Gm02	49434795	49435791	Gmdrm	hypo	CHH	-0.0163
Gm02	49440735	49440999	Gmdrm	hypo	CHH	-0.0522
Gm02	49453103	49453348	Gmdrm	hypo	CHH	-0.0303
Gm02	49461848	49462814	Gmdrm	hypo	CHH	-0.0666
Gm02	49469327	49470283	Gmdrm	hypo	CHH	-0.0595
Gm02	49486626	49487620	Gmdrm	hypo	CHH	-0.0509
Gm02	49517194	49517516	Gmdrm	hypo	CHH	-0.0239
Gm02	49519184	49520171	Gmdrm	hypo	CHH	-0.0189
Gm02	49526179	49527178	Gmdrm	hypo	CHH	-0.18
Gm02	49537962	49538960	Gmdrm	hypo	CHH	-0.0485
Gm02	49545506	49546343	Gmdrm	hypo	CHH	-0.0123
Gm02	49548580	49549570	Gmdrm	hypo	CHH	-0.0707
Gm02	49577370	49578344	Gmdrm	hypo	CHH	-0.2207
Gm02	49586263	49587247	Gmdrm	hypo	CHH	-0.0209
Gm02	49587308	49588200	Gmdrm	hypo	CHH	-0.0594
Gm02	49594815	49595792	Gmdrm	hypo	CHH	-0.0477
Gm02	49595870	49596861	Gmdrm	hypo	CHH	-0.0409
Gm02	49601911	49602906	Gmdrm	hypo	CHH	-0.019
Gm02	49610854	49611800	Gmdrm	hypo	CHH	-0.2712
Gm02	49614950	49615946	Gmdrm	hypo	CHH	-0.0177
Gm02	49619666	49620656	Gmdrm	hypo	CHH	-0.0235
Gm02	49621098	49621695	Gmdrm	hypo	CHH	-0.0527
Gm02	49643539	49644536	Gmdrm	hypo	CHH	-0.035
Gm02	49651906	49652874	Gmdrm	hypo	CHH	-0.0437
Gm02	49658188	49659033	Gmdrm	hypo	CHH	-0.0237
Gm02	49659156	49660156	Gmdrm	hypo	CHH	-0.0299
Gm02	49660159	49661155	Gmdrm	hypo	CHH	-0.016
Gm02	49669752	49670054	Gmdrm	hypo	CHH	-0.0296
Gm02	49676570	49677570	Gmdrm	hypo	CHH	-0.0604
Gm02	49677575	49678560	Gmdrm	hypo	CHH	-0.0798
Gm02	49697807	49698798	Gmdrm	hypo	CHH	-0.0088
Gm02	49702975	49703802	Gmdrm	hypo	CHH	-0.0293
Gm02	49709898	49710890	Gmdrm	hypo	CHH	-0.1439
Gm02	49710915	49711902	Gmdrm	hypo	CHH	-0.0714
Gm02	49711919	49712883	Gmdrm	hypo	CHH	-0.0281
Gm02	49712922	49713921	Gmdrm	hypo	CHH	-0.0769
Gm02	49713926	49714179	Gmdrm	hypo	CHH	-0.0483
Gm02	49727717	49728459	Gmdrm	hypo	CHH	-0.0185
Gm02	49729587	49729708	Gmdrm	hypo	CHH	-0.0534
Gm02	49732287	49733243	Gmdrm	hypo	CHH	-0.0175
Gm02	49739168	49739894	Gmdrm	hypo	CHH	-0.0177
Gm02	49740129	49741129	Gmdrm	hypo	CHH	-0.0507
Gm02	49741133	49741875	Gmdrm	hypo	CHH	-0.0565

Gm02	49762183	49763085	Gmdrm	hypo	CHH	-0.0208
Gm02	49763905	49764903	Gmdrm	hypo	CHH	-0.1191
Gm02	49764922	49765513	Gmdrm	hypo	CHH	-0.0142
Gm02	49779747	49780745	Gmdrm	hypo	CHH	-0.1505
Gm02	49785158	49786154	Gmdrm	hypo	CHH	-0.0136
Gm02	49786177	49787177	Gmdrm	hypo	CHH	-0.0163
Gm02	49787181	49788181	Gmdrm	hypo	CHH	-0.0364
Gm02	49804971	49805387	Gmdrm	hypo	CHH	-0.0726
Gm02	49808589	49809563	Gmdrm	hypo	CHH	-0.0177
Gm02	49809599	49810581	Gmdrm	hypo	CHH	-0.1437
Gm02	49825840	49825978	Gmdrm	hypo	CHH	-0.0386
Gm02	49833874	49834866	Gmdrm	hypo	CHH	-0.0196
Gm02	49844270	49844740	Gmdrm	hypo	CHH	-0.1165
Gm02	49845036	49845979	Gmdrm	hypo	CHH	-0.0426
Gm02	49849912	49850911	Gmdrm	hypo	CHH	-0.0671
Gm02	49850913	49851897	Gmdrm	hypo	CHH	-0.1419
Gm02	49854318	49855317	Gmdrm	hypo	CHH	-0.0147
Gm02	49855323	49856303	Gmdrm	hypo	CHH	-0.1496
Gm02	49870207	49871165	Gmdrm	hypo	CHH	-0.0948
Gm02	49873066	49874041	Gmdrm	hypo	CHH	-0.0155
Gm02	49913602	49914594	Gmdrm	hypo	CHH	-0.0253
Gm02	49919458	49920451	Gmdrm	hypo	CHH	-0.0397
Gm02	49920464	49921464	Gmdrm	hypo	CHH	-0.086
Gm02	49921465	49922149	Gmdrm	hypo	CHH	-0.0792
Gm02	49945012	49945998	Gmdrm	hypo	CHH	-0.0432
Gm02	49946034	49947034	Gmdrm	hypo	CHH	-0.0455
Gm02	49951672	49952669	Gmdrm	hypo	CHH	-0.0206
Gm02	49975030	49976015	Gmdrm	hypo	CHH	-0.0094
Gm02	49985288	49986280	Gmdrm	hypo	CHH	-0.0145
Gm02	49994443	49995442	Gmdrm	hypo	CHH	-0.1327
Gm02	49995450	49996447	Gmdrm	hypo	CHH	-0.0788
Gm02	50017535	50018509	Gmdrm	hypo	CHH	-0.0257
Gm02	50027516	50028446	Gmdrm	hypo	CHH	-0.0344
Gm02	50029559	50029738	Gmdrm	hypo	CHH	-0.0433
Gm02	50032306	50033304	Gmdrm	hypo	CHH	-0.016
Gm02	50033307	50034304	Gmdrm	hypo	CHH	-0.042
Gm02	50034313	50035288	Gmdrm	hypo	CHH	-0.0186
Gm02	50038450	50039440	Gmdrm	hypo	CHH	-0.0153
Gm02	50042813	50043507	Gmdrm	hypo	CHH	-0.013
Gm02	50052885	50053884	Gmdrm	hypo	CHH	-0.074
Gm02	50053886	50054873	Gmdrm	hypo	CHH	-0.1891
Gm02	50079173	50080172	Gmdrm	hypo	CHH	-0.0477
Gm02	50080175	50081171	Gmdrm	hypo	CHH	-0.0613
Gm02	50081176	50082174	Gmdrm	hypo	CHH	-0.0367
Gm02	50082180	50083105	Gmdrm	hypo	CHH	-0.0234
Gm02	50090211	50091210	Gmdrm	hypo	CHH	-0.1622

Gm02	50104797	50105790 Gmdrm	hypo	CHH	-0.0167
Gm02	50105812	50106810 Gmdrm	hypo	CHH	-0.02
Gm02	50114548	50115496 Gmdrm	hypo	CHH	-0.0272
Gm02	50116004	50117000 Gmdrm	hypo	CHH	-0.5478
Gm02	50117007	50118006 Gmdrm	hypo	CHH	-0.0168
Gm02	50118046	50118368 Gmdrm	hypo	CHH	-0.0491
Gm02	50137303	50137897 Gmdrm	hypo	CHH	-0.0238
Gm02	50145391	50146384 Gmdrm	hypo	CHH	-0.0354
Gm02	50146408	50147368 Gmdrm	hypo	CHH	-0.0368
Gm02	50147424	50148418 Gmdrm	hypo	CHH	-0.0228
Gm02	50149483	50150062 Gmdrm	hypo	CHH	-0.0333
Gm02	50180253	50181237 Gmdrm	hypo	CHH	-0.0108
Gm02	50182998	50183928 Gmdrm	hypo	CHH	-0.0307
Gm02	50185662	50186662 Gmdrm	hypo	CHH	-0.0152
Gm02	50186670	50187653 Gmdrm	hypo	CHH	-0.0377
Gm02	50191476	50191719 Gmdrm	hypo	CHH	-0.0772
Gm02	50192996	50193988 Gmdrm	hypo	CHH	-0.0179
Gm02	50194014	50194725 Gmdrm	hypo	CHH	-0.1355
Gm02	50194841	50195769 Gmdrm	hypo	CHH	-0.1058
Gm02	50196880	50197880 Gmdrm	hypo	CHH	-0.0667
Gm02	50197881	50198533 Gmdrm	hypo	CHH	-0.0939
Gm02	50202914	50203847 Gmdrm	hypo	CHH	-0.0142
Gm02	50209770	50210741 Gmdrm	hypo	CHH	-0.089
Gm02	50213792	50214407 Gmdrm	hypo	CHH	-0.0129
Gm02	50258385	50259383 Gmdrm	hypo	CHH	-0.0669
Gm02	50268183	50269182 Gmdrm	hypo	CHH	-0.032
Gm02	50269192	50270128 Gmdrm	hypo	CHH	-0.1475
Gm02	50276195	50277189 Gmdrm	hypo	CHH	-0.1202
Gm02	50292019	50293006 Gmdrm	hypo	CHH	-0.0769
Gm02	50297263	50298226 Gmdrm	hypo	CHH	-0.0369
Gm02	50322304	50322948 Gmdrm	hypo	CHH	-0.0297
Gm02	50324134	50325105 Gmdrm	hypo	CHH	-0.0123
Gm02	50335274	50336210 Gmdrm	hypo	CHH	-0.0153
Gm02	50366898	50367894 Gmdrm	hypo	CHH	-0.0191
Gm02	50382500	50383500 Gmdrm	hypo	CHH	-0.1242
Gm02	50383503	50384434 Gmdrm	hypo	CHH	-0.1392
Gm02	50389022	50389950 Gmdrm	hypo	CHH	-0.0186
Gm02	50392250	50392577 Gmdrm	hypo	CHH	-0.0476
Gm02	50392719	50393719 Gmdrm	hypo	CHH	-0.1334
Gm02	50393721	50394216 Gmdrm	hypo	CHH	-0.1291
Gm02	50394349	50395348 Gmdrm	hypo	CHH	-0.1034
Gm02	50395384	50396369 Gmdrm	hypo	CHH	-0.1046
Gm02	50396408	50397403 Gmdrm	hypo	CHH	-0.0768
Gm02	50397409	50398405 Gmdrm	hypo	CHH	-0.1046
Gm02	50398417	50399413 Gmdrm	hypo	CHH	-0.0638
Gm03	9049	9323 Gmdrm	hypo	CHH	-0.0762

Gm03	28784	29760 Gmdrm	hypo	CHH	-0.0764
Gm03	29786	30746 Gmdrm	hypo	CHH	-0.0335
Gm03	30838	31567 Gmdrm	hypo	CHH	-0.0877
Gm03	47223	48207 Gmdrm	hypo	CHH	-0.019
Gm03	49263	50262 Gmdrm	hypo	CHH	-0.0517
Gm03	70752	71750 Gmdrm	hypo	CHH	-0.047
Gm03	77179	78178 Gmdrm	hypo	CHH	-0.0203
Gm03	96021	97019 Gmdrm	hypo	CHH	-0.0284
Gm03	97022	97587 Gmdrm	hypo	CHH	-0.0293
Gm03	100814	101813 Gmdrm	hypo	CHH	-0.0654
Gm03	130754	131754 Gmdrm	hypo	CHH	-0.1208
Gm03	131756	132755 Gmdrm	hypo	CHH	-0.029
Gm03	137403	138402 Gmdrm	hypo	CHH	-0.1176
Gm03	138405	139392 Gmdrm	hypo	CHH	-0.0999
Gm03	140322	141311 Gmdrm	hypo	CHH	-0.0511
Gm03	166095	167085 Gmdrm	hypo	CHH	-0.0487
Gm03	186791	187767 Gmdrm	hypo	CHH	-0.2328
Gm03	197269	198159 Gmdrm	hypo	CHH	-0.0498
Gm03	219227	219400 Gmdrm	hypo	CHH	-0.0646
Gm03	220526	221490 Gmdrm	hypo	CHH	-0.0817
Gm03	230349	231327 Gmdrm	hypo	CHH	-0.0244
Gm03	240856	241802 Gmdrm	hypo	CHH	-0.0165
Gm03	245997	246990 Gmdrm	hypo	CHH	-0.0235
Gm03	261492	262487 Gmdrm	hypo	CHH	-0.0268
Gm03	275073	275752 Gmdrm	hypo	CHH	-0.0343
Gm03	276856	277835 Gmdrm	hypo	CHH	-0.039
Gm03	277878	278874 Gmdrm	hypo	CHH	-0.0156
Gm03	278880	279880 Gmdrm	hypo	CHH	-0.0459
Gm03	279884	280847 Gmdrm	hypo	CHH	-0.099
Gm03	284578	285317 Gmdrm	hypo	CHH	-0.0447
Gm03	292498	293460 Gmdrm	hypo	CHH	-0.0213
Gm03	305461	305720 Gmdrm	hypo	CHH	-0.0391
Gm03	330295	331295 Gmdrm	hypo	CHH	-0.0447
Gm03	331305	332282 Gmdrm	hypo	CHH	-0.0603
Gm03	333387	334383 Gmdrm	hypo	CHH	-0.3028
Gm03	348032	349002 Gmdrm	hypo	CHH	-0.1819
Gm03	350005	350936 Gmdrm	hypo	CHH	-0.0186
Gm03	351012	351986 Gmdrm	hypo	CHH	-0.0311
Gm03	368297	369287 Gmdrm	hypo	CHH	-0.0739
Gm03	369318	370287 Gmdrm	hypo	CHH	-0.0232
Gm03	374899	375892 Gmdrm	hypo	CHH	-0.0147
Gm03	381267	382250 Gmdrm	hypo	CHH	-0.0162
Gm03	382979	383188 Gmdrm	hypo	CHH	-0.0258
Gm03	383339	384337 Gmdrm	hypo	CHH	-0.1818
Gm03	384341	385336 Gmdrm	hypo	CHH	-0.1057
Gm03	390271	390882 Gmdrm	hypo	CHH	-0.0881

Gm03	391113	392076 Gmdrm	hypo	CHH	-0.0301
Gm03	397012	397998 Gmdrm	hypo	CHH	-0.045
Gm03	407478	408435 Gmdrm	hypo	CHH	-0.0247
Gm03	408481	408732 Gmdrm	hypo	CHH	-0.1821
Gm03	416320	417294 Gmdrm	hypo	CHH	-0.015
Gm03	418908	419094 Gmdrm	hypo	CHH	-0.0314
Gm03	425009	425979 Gmdrm	hypo	CHH	-0.1853
Gm03	448842	449142 Gmdrm	hypo	CHH	-0.0469
Gm03	449269	450259 Gmdrm	hypo	CHH	-0.0213
Gm03	450287	451286 Gmdrm	hypo	CHH	-0.0338
Gm03	451290	452275 Gmdrm	hypo	CHH	-0.0568
Gm03	463320	463730 Gmdrm	hypo	CHH	-0.355
Gm03	467020	468014 Gmdrm	hypo	CHH	-0.0226
Gm03	470233	471219 Gmdrm	hypo	CHH	-0.0265
Gm03	471239	472236 Gmdrm	hypo	CHH	-0.0515
Gm03	472240	472853 Gmdrm	hypo	CHH	-0.0334
Gm03	486582	487571 Gmdrm	hypo	CHH	-0.0125
Gm03	492310	492942 Gmdrm	hypo	CHH	-0.2008
Gm03	493707	494034 Gmdrm	hypo	CHH	-0.0277
Gm03	497799	498797 Gmdrm	hypo	CHH	-0.034
Gm03	498832	499826 Gmdrm	hypo	CHH	-0.0655
Gm03	499854	500839 Gmdrm	hypo	CHH	-0.0276
Gm03	500855	501825 Gmdrm	hypo	CHH	-0.0997
Gm03	503482	504482 Gmdrm	hypo	CHH	-0.0714
Gm03	504489	505483 Gmdrm	hypo	CHH	-0.015
Gm03	511814	512770 Gmdrm	hypo	CHH	-0.0175
Gm03	520214	521206 Gmdrm	hypo	CHH	-0.1548
Gm03	528164	528344 Gmdrm	hypo	CHH	-0.3024
Gm03	533210	534210 Gmdrm	hypo	CHH	-0.0808
Gm03	534218	535217 Gmdrm	hypo	CHH	-0.1658
Gm03	535221	535877 Gmdrm	hypo	CHH	-0.0914
Gm03	541179	542178 Gmdrm	hypo	CHH	-0.0399
Gm03	542190	543187 Gmdrm	hypo	CHH	-0.0458
Gm03	543191	544174 Gmdrm	hypo	CHH	-0.0665
Gm03	554111	555091 Gmdrm	hypo	CHH	-0.1813
Gm03	559085	560085 Gmdrm	hypo	CHH	-0.0333
Gm03	576166	577127 Gmdrm	hypo	CHH	-0.015
Gm03	588294	588620 Gmdrm	hypo	CHH	-0.3654
Gm03	596483	596687 Gmdrm	hypo	CHH	-0.021
Gm03	624049	625038 Gmdrm	hypo	CHH	-0.0369
Gm03	625052	626049 Gmdrm	hypo	CHH	-0.0283
Gm03	633426	634420 Gmdrm	hypo	CHH	-0.1154
Gm03	634427	635426 Gmdrm	hypo	CHH	-0.0457
Gm03	635506	636496 Gmdrm	hypo	CHH	-0.0106
Gm03	638679	639677 Gmdrm	hypo	CHH	-0.0829
Gm03	661201	662190 Gmdrm	hypo	CHH	-0.0452

Gm03	665301	666285 Gmdrm	hypo	CHH	-0.0166
Gm03	670944	671928 Gmdrm	hypo	CHH	-0.037
Gm03	671948	672518 Gmdrm	hypo	CHH	-0.0674
Gm03	676328	677313 Gmdrm	hypo	CHH	-0.015
Gm03	678211	679199 Gmdrm	hypo	CHH	-0.0205
Gm03	679224	680217 Gmdrm	hypo	CHH	-0.0942
Gm03	680226	681208 Gmdrm	hypo	CHH	-0.1567
Gm03	687644	688619 Gmdrm	hypo	CHH	-0.0193
Gm03	690675	691675 Gmdrm	hypo	CHH	-0.0659
Gm03	695604	696012 Gmdrm	hypo	CHH	-0.0234
Gm03	701072	702064 Gmdrm	hypo	CHH	-0.0369
Gm03	702083	703061 Gmdrm	hypo	CHH	-0.03
Gm03	714561	715560 Gmdrm	hypo	CHH	-0.0371
Gm03	718694	719498 Gmdrm	hypo	CHH	-0.025
Gm03	719837	720833 Gmdrm	hypo	CHH	-0.0451
Gm03	725916	726915 Gmdrm	hypo	CHH	-0.0171
Gm03	726917	727908 Gmdrm	hypo	CHH	-0.0852
Gm03	734728	735103 Gmdrm	hypo	CHH	-0.0523
Gm03	743704	744445 Gmdrm	hypo	CHH	-0.0158
Gm03	748730	749728 Gmdrm	hypo	CHH	-0.0199
Gm03	749738	750736 Gmdrm	hypo	CHH	-0.0439
Gm03	750742	751742 Gmdrm	hypo	CHH	-0.0505
Gm03	751747	752176 Gmdrm	hypo	CHH	-0.032
Gm03	757419	758065 Gmdrm	hypo	CHH	-0.1252
Gm03	765822	766819 Gmdrm	hypo	CHH	-0.0497
Gm03	776773	777767 Gmdrm	hypo	CHH	-0.0187
Gm03	777774	778769 Gmdrm	hypo	CHH	-0.0134
Gm03	795685	796680 Gmdrm	hypo	CHH	-0.2268
Gm03	802332	802616 Gmdrm	hypo	CHH	-0.035
Gm03	805959	806949 Gmdrm	hypo	CHH	-0.0927
Gm03	806963	807921 Gmdrm	hypo	CHH	-0.0492
Gm03	807965	808954 Gmdrm	hypo	CHH	-0.0282
Gm03	812050	813048 Gmdrm	hypo	CHH	-0.0142
Gm03	815189	816181 Gmdrm	hypo	CHH	-0.1185
Gm03	816199	817069 Gmdrm	hypo	CHH	-0.0136
Gm03	835363	836363 Gmdrm	hypo	CHH	-0.0154
Gm03	847565	848542 Gmdrm	hypo	CHH	-0.0182
Gm03	849827	850822 Gmdrm	hypo	CHH	-0.2107
Gm03	850828	850965 Gmdrm	hypo	CHH	-0.0791
Gm03	851269	852019 Gmdrm	hypo	CHH	-0.089
Gm03	852352	853352 Gmdrm	hypo	CHH	-0.0412
Gm03	853364	854358 Gmdrm	hypo	CHH	-0.1231
Gm03	854377	855334 Gmdrm	hypo	CHH	-0.0201
Gm03	856402	857372 Gmdrm	hypo	CHH	-0.0199
Gm03	868614	869594 Gmdrm	hypo	CHH	-0.0328
Gm03	877576	878561 Gmdrm	hypo	CHH	-0.0348

Gm03	882277	883274	Gmdrm	hypo	CHH	-0.0252
Gm03	888396	889377	Gmdrm	hypo	CHH	-0.0315
Gm03	889411	890390	Gmdrm	hypo	CHH	-0.0438
Gm03	894378	895067	Gmdrm	hypo	CHH	-0.0465
Gm03	896203	897203	Gmdrm	hypo	CHH	-0.0833
Gm03	897205	898195	Gmdrm	hypo	CHH	-0.0355
Gm03	904408	905398	Gmdrm	hypo	CHH	-0.0146
Gm03	917497	918488	Gmdrm	hypo	CHH	-0.0289
Gm03	918510	919510	Gmdrm	hypo	CHH	-0.0369
Gm03	921576	922560	Gmdrm	hypo	CHH	-0.0363
Gm03	926605	927600	Gmdrm	hypo	CHH	-0.0292
Gm03	941569	942568	Gmdrm	hypo	CHH	-0.0218
Gm03	942570	943145	Gmdrm	hypo	CHH	-0.0503
Gm03	956525	957518	Gmdrm	hypo	CHH	-0.0457
Gm03	957526	958522	Gmdrm	hypo	CHH	-0.0889
Gm03	958529	959528	Gmdrm	hypo	CHH	-0.0549
Gm03	959535	960529	Gmdrm	hypo	CHH	-0.0229
Gm03	982091	983090	Gmdrm	hypo	CHH	-0.0267
Gm03	984095	985047	Gmdrm	hypo	CHH	-0.0247
Gm03	985535	986535	Gmdrm	hypo	CHH	-0.023
Gm03	986542	987134	Gmdrm	hypo	CHH	-0.0151
Gm03	999800	1000781	Gmdrm	hypo	CHH	-0.0113
Gm03	1019731	1020720	Gmdrm	hypo	CHH	-0.0235
Gm03	1023120	1023757	Gmdrm	hypo	CHH	-0.0551
Gm03	1025707	1026698	Gmdrm	hypo	CHH	-0.0173
Gm03	1028717	1029714	Gmdrm	hypo	CHH	-0.0281
Gm03	1032903	1033902	Gmdrm	hypo	CHH	-0.0677
Gm03	1033907	1034868	Gmdrm	hypo	CHH	-0.0268
Gm03	1051263	1052241	Gmdrm	hypo	CHH	-0.0829
Gm03	1052306	1053302	Gmdrm	hypo	CHH	-0.0147
Gm03	1055041	1055989	Gmdrm	hypo	CHH	-0.0335
Gm03	1058589	1059538	Gmdrm	hypo	CHH	-0.2283
Gm03	1078486	1079458	Gmdrm	hypo	CHH	-0.1592
Gm03	1115539	1116112	Gmdrm	hypo	CHH	-0.0961
Gm03	1116236	1117213	Gmdrm	hypo	CHH	-0.0869
Gm03	1117268	1118024	Gmdrm	hypo	CHH	-0.0677
Gm03	1118126	1119125	Gmdrm	hypo	CHH	-0.075
Gm03	1119130	1120095	Gmdrm	hypo	CHH	-0.0509
Gm03	1158112	1159108	Gmdrm	hypo	CHH	-0.0378
Gm03	1159115	1160107	Gmdrm	hypo	CHH	-0.0522
Gm03	1165219	1166208	Gmdrm	hypo	CHH	-0.0357
Gm03	1193623	1194216	Gmdrm	hypo	CHH	-0.0298
Gm03	1199948	1200904	Gmdrm	hypo	CHH	-0.0326
Gm03	1207351	1208350	Gmdrm	hypo	CHH	-0.0397
Gm03	1208369	1209278	Gmdrm	hypo	CHH	-0.0204
Gm03	1213897	1214597	Gmdrm	hypo	CHH	-0.0416

Gm03	1241296	1242290	Gmdrm	hypo	CHH	-0.0278
Gm03	1263202	1264200	Gmdrm	hypo	CHH	-0.0383
Gm03	1264203	1265186	Gmdrm	hypo	CHH	-0.0196
Gm03	1272368	1272516	Gmdrm	hypo	CHH	-0.133
Gm03	1273834	1274830	Gmdrm	hypo	CHH	-0.1905
Gm03	1275842	1276589	Gmdrm	hypo	CHH	-0.3502
Gm03	1277746	1278746	Gmdrm	hypo	CHH	-0.1565
Gm03	1278750	1279747	Gmdrm	hypo	CHH	-0.0462
Gm03	1282774	1283768	Gmdrm	hypo	CHH	-0.0746
Gm03	1283790	1284768	Gmdrm	hypo	CHH	-0.0275
Gm03	1302747	1303023	Gmdrm	hypo	CHH	-0.0266
Gm03	1306885	1307883	Gmdrm	hypo	CHH	-0.0156
Gm03	1309910	1310910	Gmdrm	hypo	CHH	-0.0858
Gm03	1310912	1311384	Gmdrm	hypo	CHH	-0.04
Gm03	1311537	1312304	Gmdrm	hypo	CHH	-0.0262
Gm03	1323151	1324150	Gmdrm	hypo	CHH	-0.0412
Gm03	1324776	1325001	Gmdrm	hypo	CHH	-0.1425
Gm03	1325967	1326208	Gmdrm	hypo	CHH	-0.0584
Gm03	1329516	1330501	Gmdrm	hypo	CHH	-0.0309
Gm03	1333299	1334299	Gmdrm	hypo	CHH	-0.1
Gm03	1337813	1338807	Gmdrm	hypo	CHH	-0.0336
Gm03	1338815	1339807	Gmdrm	hypo	CHH	-0.1034
Gm03	1353167	1354161	Gmdrm	hypo	CHH	-0.0103
Gm03	1360172	1361139	Gmdrm	hypo	CHH	-0.1709
Gm03	1364251	1365251	Gmdrm	hypo	CHH	-0.0165
Gm03	1370356	1370957	Gmdrm	hypo	CHH	-0.0757
Gm03	1374494	1375416	Gmdrm	hypo	CHH	-0.057
Gm03	1375681	1376376	Gmdrm	hypo	CHH	-0.0648
Gm03	1388265	1389234	Gmdrm	hypo	CHH	-0.0368
Gm03	1407542	1408534	Gmdrm	hypo	CHH	-0.0507
Gm03	1415932	1416626	Gmdrm	hypo	CHH	-0.1002
Gm03	1417033	1418020	Gmdrm	hypo	CHH	-0.0465
Gm03	1421608	1422599	Gmdrm	hypo	CHH	-0.2796
Gm03	1423642	1424637	Gmdrm	hypo	CHH	-0.0281
Gm03	1427613	1428208	Gmdrm	hypo	CHH	-0.1675
Gm03	1430409	1431382	Gmdrm	hypo	CHH	-0.04
Gm03	1431423	1431728	Gmdrm	hypo	CHH	-0.1615
Gm03	1432112	1433099	Gmdrm	hypo	CHH	-0.123
Gm03	1433117	1434114	Gmdrm	hypo	CHH	-0.0193
Gm03	1434119	1435091	Gmdrm	hypo	CHH	-0.0931
Gm03	1436186	1437186	Gmdrm	hypo	CHH	-0.0204
Gm03	1445460	1446460	Gmdrm	hypo	CHH	-0.0109
Gm03	1447516	1448502	Gmdrm	hypo	CHH	-0.0185
Gm03	1461190	1461428	Gmdrm	hypo	CHH	-0.0683
Gm03	1461692	1462504	Gmdrm	hypo	CHH	-0.2428
Gm03	1462606	1463589	Gmdrm	hypo	CHH	-0.1789

Gm03	1475308	1476308 Gmdrm	hypo	CHH	-0.0476
Gm03	1478347	1479343 Gmdrm	hypo	CHH	-0.1187
Gm03	1479373	1480366 Gmdrm	hypo	CHH	-0.0223
Gm03	1480379	1481349 Gmdrm	hypo	CHH	-0.0195
Gm03	1481390	1481599 Gmdrm	hypo	CHH	-0.0538
Gm03	1491147	1492146 Gmdrm	hypo	CHH	-0.1316
Gm03	1495173	1496172 Gmdrm	hypo	CHH	-0.0816
Gm03	1497809	1498804 Gmdrm	hypo	CHH	-0.0238
Gm03	1503385	1504380 Gmdrm	hypo	CHH	-0.1068
Gm03	1504390	1505338 Gmdrm	hypo	CHH	-0.0899
Gm03	1508658	1509613 Gmdrm	hypo	CHH	-0.0252
Gm03	1524643	1525642 Gmdrm	hypo	CHH	-0.043
Gm03	1537193	1537783 Gmdrm	hypo	CHH	-0.02
Gm03	1545897	1546875 Gmdrm	hypo	CHH	-0.0191
Gm03	1547627	1547967 Gmdrm	hypo	CHH	-0.1073
Gm03	1549863	1550848 Gmdrm	hypo	CHH	-0.1159
Gm03	1566483	1567479 Gmdrm	hypo	CHH	-0.0101
Gm03	1569315	1570296 Gmdrm	hypo	CHH	-0.0136
Gm03	1570349	1570914 Gmdrm	hypo	CHH	-0.0311
Gm03	1572730	1573714 Gmdrm	hypo	CHH	-0.2102
Gm03	1576194	1577193 Gmdrm	hypo	CHH	-0.089
Gm03	1577206	1577394 Gmdrm	hypo	CHH	-0.03
Gm03	1583115	1584115 Gmdrm	hypo	CHH	-0.0522
Gm03	1589525	1590411 Gmdrm	hypo	CHH	-0.0346
Gm03	1616252	1616380 Gmdrm	hypo	CHH	-0.0617
Gm03	1618511	1619492 Gmdrm	hypo	CHH	-0.0208
Gm03	1622597	1622660 Gmdrm	hypo	CHH	-0.158
Gm03	1636208	1637174 Gmdrm	hypo	CHH	-0.0165
Gm03	1645705	1646689 Gmdrm	hypo	CHH	-0.0143
Gm03	1653758	1654757 Gmdrm	hypo	CHH	-0.105
Gm03	1654763	1655265 Gmdrm	hypo	CHH	-0.1901
Gm03	1657863	1658809 Gmdrm	hypo	CHH	-0.0648
Gm03	1658900	1659887 Gmdrm	hypo	CHH	-0.0433
Gm03	1670520	1671129 Gmdrm	hypo	CHH	-0.0638
Gm03	1674382	1675373 Gmdrm	hypo	CHH	-0.0776
Gm03	1676675	1677480 Gmdrm	hypo	CHH	-0.3463
Gm03	1677791	1678786 Gmdrm	hypo	CHH	-0.1125
Gm03	1684927	1685912 Gmdrm	hypo	CHH	-0.0424
Gm03	1698269	1699238 Gmdrm	hypo	CHH	-0.2186
Gm03	1700761	1701761 Gmdrm	hypo	CHH	-0.0438
Gm03	1701767	1702762 Gmdrm	hypo	CHH	-0.049
Gm03	1707337	1708337 Gmdrm	hypo	CHH	-0.0985
Gm03	1708339	1709246 Gmdrm	hypo	CHH	-0.1236
Gm03	1721122	1721593 Gmdrm	hypo	CHH	-0.0295
Gm03	1721762	1722736 Gmdrm	hypo	CHH	-0.0138
Gm03	1739868	1740863 Gmdrm	hypo	CHH	-0.1115

Gm03	1740870	1741869	Gmdrm	hypo	CHH	-0.0625
Gm03	1742940	1743940	Gmdrm	hypo	CHH	-0.1053
Gm03	1743941	1744914	Gmdrm	hypo	CHH	-0.1069
Gm03	1753512	1754496	Gmdrm	hypo	CHH	-0.0285
Gm03	1755874	1756873	Gmdrm	hypo	CHH	-0.0243
Gm03	1757884	1758850	Gmdrm	hypo	CHH	-0.2096
Gm03	1758891	1759886	Gmdrm	hypo	CHH	-0.0188
Gm03	1761943	1762511	Gmdrm	hypo	CHH	-0.0335
Gm03	1782642	1783631	Gmdrm	hypo	CHH	-0.0585
Gm03	1783675	1784664	Gmdrm	hypo	CHH	-0.0329
Gm03	1784676	1785669	Gmdrm	hypo	CHH	-0.0353
Gm03	1785687	1786685	Gmdrm	hypo	CHH	-0.0377
Gm03	1786688	1787687	Gmdrm	hypo	CHH	-0.0328
Gm03	1787695	1788691	Gmdrm	hypo	CHH	-0.0105
Gm03	1788697	1789693	Gmdrm	hypo	CHH	-0.0251
Gm03	1789702	1790691	Gmdrm	hypo	CHH	-0.0067
Gm03	1794903	1795411	Gmdrm	hypo	CHH	-0.0525
Gm03	1808437	1809038	Gmdrm	hypo	CHH	-0.0438
Gm03	1809233	1810230	Gmdrm	hypo	CHH	-0.0618
Gm03	1810241	1811213	Gmdrm	hypo	CHH	-0.0994
Gm03	1811248	1812225	Gmdrm	hypo	CHH	-0.0205
Gm03	1814924	1815761	Gmdrm	hypo	CHH	-0.2787
Gm03	1818004	1818997	Gmdrm	hypo	CHH	-0.2016
Gm03	1819022	1820022	Gmdrm	hypo	CHH	-0.052
Gm03	1822058	1823043	Gmdrm	hypo	CHH	-0.0265
Gm03	1826132	1827132	Gmdrm	hypo	CHH	-0.0228
Gm03	1831260	1832244	Gmdrm	hypo	CHH	-0.0938
Gm03	1834317	1834650	Gmdrm	hypo	CHH	-0.06
Gm03	1854877	1855315	Gmdrm	hypo	CHH	-0.0564
Gm03	1860302	1861279	Gmdrm	hypo	CHH	-0.0786
Gm03	1866080	1867074	Gmdrm	hypo	CHH	-0.0189
Gm03	1869218	1870166	Gmdrm	hypo	CHH	-0.016
Gm03	1874443	1875432	Gmdrm	hypo	CHH	-0.0624
Gm03	1905095	1906092	Gmdrm	hypo	CHH	-0.0878
Gm03	1906100	1907097	Gmdrm	hypo	CHH	-0.12
Gm03	1907102	1908076	Gmdrm	hypo	CHH	-0.1163
Gm03	1908116	1909107	Gmdrm	hypo	CHH	-0.0133
Gm03	1913222	1914220	Gmdrm	hypo	CHH	-0.0556
Gm03	1941284	1942245	Gmdrm	hypo	CHH	-0.02
Gm03	1949173	1950144	Gmdrm	hypo	CHH	-0.0134
Gm03	1950178	1951171	Gmdrm	hypo	CHH	-0.1671
Gm03	1953198	1954196	Gmdrm	hypo	CHH	-0.0379
Gm03	1954236	1955227	Gmdrm	hypo	CHH	-0.0357
Gm03	1960084	1961036	Gmdrm	hypo	CHH	-0.0156
Gm03	1971907	1972905	Gmdrm	hypo	CHH	-0.0967
Gm03	1972908	1973908	Gmdrm	hypo	CHH	-0.0802

Gm03	1978240	1979233 Gmdrm	hypo	CHH	-0.0166
Gm03	1980435	1981421 Gmdrm	hypo	CHH	-0.0208
Gm03	1992423	1993134 Gmdrm	hypo	CHH	-0.0438
Gm03	2007284	2008243 Gmdrm	hypo	CHH	-0.1546
Gm03	2010913	2011896 Gmdrm	hypo	CHH	-0.3142
Gm03	2019892	2020892 Gmdrm	hypo	CHH	-0.119
Gm03	2020899	2021896 Gmdrm	hypo	CHH	-0.0434
Gm03	2025821	2026816 Gmdrm	hypo	CHH	-0.0211
Gm03	2026852	2027852 Gmdrm	hypo	CHH	-0.017
Gm03	2041726	2042722 Gmdrm	hypo	CHH	-0.057
Gm03	2048519	2049515 Gmdrm	hypo	CHH	-0.0861
Gm03	2050547	2051507 Gmdrm	hypo	CHH	-0.0459
Gm03	2051550	2052361 Gmdrm	hypo	CHH	-0.0219
Gm03	2053891	2054890 Gmdrm	hypo	CHH	-0.0279
Gm03	2054896	2055873 Gmdrm	hypo	CHH	-0.0624
Gm03	2056950	2057950 Gmdrm	hypo	CHH	-0.0238
Gm03	2058968	2059556 Gmdrm	hypo	CHH	-0.0688
Gm03	2059664	2060559 Gmdrm	hypo	CHH	-0.1203
Gm03	2060693	2061683 Gmdrm	hypo	CHH	-0.0291
Gm03	2063315	2064299 Gmdrm	hypo	CHH	-0.0126
Gm03	2064565	2065099 Gmdrm	hypo	CHH	-0.314
Gm03	2069996	2070985 Gmdrm	hypo	CHH	-0.0191
Gm03	2078038	2079011 Gmdrm	hypo	CHH	-0.0452
Gm03	2079043	2080042 Gmdrm	hypo	CHH	-0.0213
Gm03	2080092	2081072 Gmdrm	hypo	CHH	-0.0234
Gm03	2081108	2082084 Gmdrm	hypo	CHH	-0.022
Gm03	2096059	2097033 Gmdrm	hypo	CHH	-0.1052
Gm03	2101709	2102699 Gmdrm	hypo	CHH	-0.0169
Gm03	2117595	2118528 Gmdrm	hypo	CHH	-0.0829
Gm03	2120697	2120910 Gmdrm	hypo	CHH	-0.0625
Gm03	2130950	2131949 Gmdrm	hypo	CHH	-0.0565
Gm03	2134973	2135946 Gmdrm	hypo	CHH	-0.0262
Gm03	2138013	2138141 Gmdrm	hypo	CHH	-0.0714
Gm03	2143518	2144513 Gmdrm	hypo	CHH	-0.0142
Gm03	2148910	2149905 Gmdrm	hypo	CHH	-0.0813
Gm03	2152931	2153928 Gmdrm	hypo	CHH	-0.1418
Gm03	2153942	2154940 Gmdrm	hypo	CHH	-0.0872
Gm03	2155454	2156002 Gmdrm	hypo	CHH	-0.0407
Gm03	2175889	2176839 Gmdrm	hypo	CHH	-0.0261
Gm03	2178913	2179892 Gmdrm	hypo	CHH	-0.0165
Gm03	2187680	2188346 Gmdrm	hypo	CHH	-0.0387
Gm03	2198427	2199420 Gmdrm	hypo	CHH	-0.0509
Gm03	2208647	2208852 Gmdrm	hypo	CHH	-0.0256
Gm03	2212726	2213709 Gmdrm	hypo	CHH	-0.0163
Gm03	2213729	2214024 Gmdrm	hypo	CHH	-0.0796
Gm03	2215178	2215639 Gmdrm	hypo	CHH	-0.0244

Gm03	2217371	2218370 Gmdrm	hypo	CHH	-0.0398
Gm03	2218381	2219355 Gmdrm	hypo	CHH	-0.0259
Gm03	2227915	2228351 Gmdrm	hypo	CHH	-0.1075
Gm03	2243080	2244078 Gmdrm	hypo	CHH	-0.0187
Gm03	2244088	2245068 Gmdrm	hypo	CHH	-0.1572
Gm03	2263377	2264375 Gmdrm	hypo	CHH	-0.0501
Gm03	2264379	2265370 Gmdrm	hypo	CHH	-0.0867
Gm03	2269409	2270390 Gmdrm	hypo	CHH	-0.0139
Gm03	2282643	2283640 Gmdrm	hypo	CHH	-0.0347
Gm03	2283648	2284639 Gmdrm	hypo	CHH	-0.0174
Gm03	2285897	2286889 Gmdrm	hypo	CHH	-0.0395
Gm03	2289302	2289960 Gmdrm	hypo	CHH	-0.0241
Gm03	2308287	2308807 Gmdrm	hypo	CHH	-0.087
Gm03	2322089	2323084 Gmdrm	hypo	CHH	-0.0161
Gm03	2324121	2325118 Gmdrm	hypo	CHH	-0.0289
Gm03	2325129	2326127 Gmdrm	hypo	CHH	-0.0161
Gm03	2326134	2327130 Gmdrm	hypo	CHH	-0.0258
Gm03	2328148	2329116 Gmdrm	hypo	CHH	-0.0102
Gm03	2334757	2335731 Gmdrm	hypo	CHH	-0.014
Gm03	2338134	2339116 Gmdrm	hypo	CHH	-0.0112
Gm03	2344178	2345172 Gmdrm	hypo	CHH	-0.0346
Gm03	2345686	2346684 Gmdrm	hypo	CHH	-0.0236
Gm03	2346691	2347662 Gmdrm	hypo	CHH	-0.0162
Gm03	2352730	2353729 Gmdrm	hypo	CHH	-0.0117
Gm03	2357999	2358987 Gmdrm	hypo	CHH	-0.0323
Gm03	2359023	2359927 Gmdrm	hypo	CHH	-0.0286
Gm03	2361294	2362292 Gmdrm	hypo	CHH	-0.0368
Gm03	2365419	2366236 Gmdrm	hypo	CHH	-0.0178
Gm03	2369852	2370851 Gmdrm	hypo	CHH	-0.0281
Gm03	2379937	2380353 Gmdrm	hypo	CHH	-0.0483
Gm03	2380459	2381449 Gmdrm	hypo	CHH	-0.0174
Gm03	2383392	2383502 Gmdrm	hypo	CHH	-0.065
Gm03	2384089	2384193 Gmdrm	hypo	CHH	-0.0667
Gm03	2395618	2396608 Gmdrm	hypo	CHH	-0.1723
Gm03	2400837	2401120 Gmdrm	hypo	CHH	-0.0315
Gm03	2401227	2402226 Gmdrm	hypo	CHH	-0.0331
Gm03	2402733	2403158 Gmdrm	hypo	CHH	-0.0497
Gm03	2403791	2404768 Gmdrm	hypo	CHH	-0.0534
Gm03	2407705	2408703 Gmdrm	hypo	CHH	-0.0692
Gm03	2408709	2409685 Gmdrm	hypo	CHH	-0.0309
Gm03	2410723	2411722 Gmdrm	hypo	CHH	-0.0698
Gm03	2411730	2412694 Gmdrm	hypo	CHH	-0.0138
Gm03	2412736	2413727 Gmdrm	hypo	CHH	-0.0186
Gm03	2413738	2414729 Gmdrm	hypo	CHH	-0.015
Gm03	2428089	2428802 Gmdrm	hypo	CHH	-0.0275
Gm03	2431727	2432724 Gmdrm	hypo	CHH	-0.0869

Gm03	2432739	2433706	Gmdrm	hypo	CHH	-0.0308
Gm03	2434935	2435925	Gmdrm	hypo	CHH	-0.0342
Gm03	2435941	2436919	Gmdrm	hypo	CHH	-0.0208
Gm03	2437985	2438497	Gmdrm	hypo	CHH	-0.056
Gm03	2483724	2484720	Gmdrm	hypo	CHH	-0.1153
Gm03	2490955	2491951	Gmdrm	hypo	CHH	-0.0364
Gm03	2491963	2492963	Gmdrm	hypo	CHH	-0.0944
Gm03	2492966	2493963	Gmdrm	hypo	CHH	-0.0485
Gm03	2493968	2494966	Gmdrm	hypo	CHH	-0.0719
Gm03	2494974	2495973	Gmdrm	hypo	CHH	-0.1285
Gm03	2495984	2496927	Gmdrm	hypo	CHH	-0.0262
Gm03	2497011	2497805	Gmdrm	hypo	CHH	-0.1085
Gm03	2497906	2498906	Gmdrm	hypo	CHH	-0.1189
Gm03	2498910	2499909	Gmdrm	hypo	CHH	-0.21
Gm03	2504949	2505943	Gmdrm	hypo	CHH	-0.0518
Gm03	2507293	2507393	Gmdrm	hypo	CHH	-0.07
Gm03	2526535	2527524	Gmdrm	hypo	CHH	-0.0245
Gm03	2527596	2528596	Gmdrm	hypo	CHH	-0.1604
Gm03	2542582	2543572	Gmdrm	hypo	CHH	-0.0175
Gm03	2555489	2556477	Gmdrm	hypo	CHH	-0.0123
Gm03	2556763	2557741	Gmdrm	hypo	CHH	-0.0236
Gm03	2557768	2558766	Gmdrm	hypo	CHH	-0.0144
Gm03	2558769	2559723	Gmdrm	hypo	CHH	-0.0333
Gm03	2561061	2562061	Gmdrm	hypo	CHH	-0.046
Gm03	2562091	2563079	Gmdrm	hypo	CHH	-0.0141
Gm03	2566613	2566951	Gmdrm	hypo	CHH	-0.0627
Gm03	2603202	2604137	Gmdrm	hypo	CHH	-0.014
Gm03	2606686	2607681	Gmdrm	hypo	CHH	-0.0232
Gm03	2621719	2622717	Gmdrm	hypo	CHH	-0.0411
Gm03	2623179	2624176	Gmdrm	hypo	CHH	-0.0247
Gm03	2625195	2626182	Gmdrm	hypo	CHH	-0.0328
Gm03	2626203	2627188	Gmdrm	hypo	CHH	-0.0328
Gm03	2628210	2628492	Gmdrm	hypo	CHH	-0.0946
Gm03	2632208	2633204	Gmdrm	hypo	CHH	-0.0439
Gm03	2633209	2634201	Gmdrm	hypo	CHH	-0.0094
Gm03	2637738	2638737	Gmdrm	hypo	CHH	-0.0348
Gm03	2641759	2642753	Gmdrm	hypo	CHH	-0.0282
Gm03	2648341	2649324	Gmdrm	hypo	CHH	-0.0118
Gm03	2652844	2653822	Gmdrm	hypo	CHH	-0.0208
Gm03	2654902	2655894	Gmdrm	hypo	CHH	-0.0165
Gm03	2655912	2656876	Gmdrm	hypo	CHH	-0.0165
Gm03	2656920	2657908	Gmdrm	hypo	CHH	-0.0094
Gm03	2661118	2661604	Gmdrm	hypo	CHH	-0.0213
Gm03	2662795	2663785	Gmdrm	hypo	CHH	-0.0329
Gm03	2663798	2664792	Gmdrm	hypo	CHH	-0.0516
Gm03	2664802	2665801	Gmdrm	hypo	CHH	-0.0369

Gm03	2665805	2666755 Gmdrm	hypo	CHH	-0.0588
Gm03	2666811	2667502 Gmdrm	hypo	CHH	-0.0419
Gm03	2668198	2668423 Gmdrm	hypo	CHH	-0.1475
Gm03	2670020	2670995 Gmdrm	hypo	CHH	-0.0669
Gm03	2671050	2671749 Gmdrm	hypo	CHH	-0.0269
Gm03	2673040	2674029 Gmdrm	hypo	CHH	-0.0164
Gm03	2676763	2677763 Gmdrm	hypo	CHH	-0.0305
Gm03	2677770	2678770 Gmdrm	hypo	CHH	-0.0846
Gm03	2678774	2679771 Gmdrm	hypo	CHH	-0.0581
Gm03	2679786	2680770 Gmdrm	hypo	CHH	-0.0379
Gm03	2681144	2682141 Gmdrm	hypo	CHH	-0.0519
Gm03	2690271	2691214 Gmdrm	hypo	CHH	-0.0416
Gm03	2731782	2732677 Gmdrm	hypo	CHH	-0.0972
Gm03	2743318	2744305 Gmdrm	hypo	CHH	-0.0467
Gm03	2753157	2754148 Gmdrm	hypo	CHH	-0.022
Gm03	2761270	2762253 Gmdrm	hypo	CHH	-0.0198
Gm03	2767237	2767901 Gmdrm	hypo	CHH	-0.0487
Gm03	2768007	2768553 Gmdrm	hypo	CHH	-0.0578
Gm03	2769966	2770443 Gmdrm	hypo	CHH	-0.024
Gm03	2780706	2781698 Gmdrm	hypo	CHH	-0.0563
Gm03	2792876	2793692 Gmdrm	hypo	CHH	-0.0185
Gm03	2804224	2805206 Gmdrm	hypo	CHH	-0.0169
Gm03	2818255	2819246 Gmdrm	hypo	CHH	-0.0273
Gm03	2819268	2820267 Gmdrm	hypo	CHH	-0.0315
Gm03	2834695	2835690 Gmdrm	hypo	CHH	-0.1027
Gm03	2846215	2847210 Gmdrm	hypo	CHH	-0.0501
Gm03	2847230	2847880 Gmdrm	hypo	CHH	-0.0297
Gm03	2858089	2859054 Gmdrm	hypo	CHH	-0.0163
Gm03	2874222	2875222 Gmdrm	hypo	CHH	-0.1089
Gm03	2875227	2876226 Gmdrm	hypo	CHH	-0.0253
Gm03	2891385	2892362 Gmdrm	hypo	CHH	-0.0171
Gm03	2894035	2894969 Gmdrm	hypo	CHH	-0.0329
Gm03	2897790	2898766 Gmdrm	hypo	CHH	-0.062
Gm03	2911529	2912525 Gmdrm	hypo	CHH	-0.0141
Gm03	2919289	2920171 Gmdrm	hypo	CHH	-0.0238
Gm03	2925283	2926280 Gmdrm	hypo	CHH	-0.0428
Gm03	2926292	2926849 Gmdrm	hypo	CHH	-0.0649
Gm03	2933383	2934354 Gmdrm	hypo	CHH	-0.0186
Gm03	2934399	2935384 Gmdrm	hypo	CHH	-0.1501
Gm03	2944601	2945569 Gmdrm	hypo	CHH	-0.0379
Gm03	2947265	2948238 Gmdrm	hypo	CHH	-0.1595
Gm03	2960051	2960540 Gmdrm	hypo	CHH	-0.0463
Gm03	2971545	2971903 Gmdrm	hypo	CHH	-0.02
Gm03	2972553	2973279 Gmdrm	hypo	CHH	-0.0207
Gm03	2990137	2991132 Gmdrm	hypo	CHH	-0.0884
Gm03	2991145	2992137 Gmdrm	hypo	CHH	-0.1135

Gm03	3000904	3001902 Gmdrm	hypo	CHH	-0.0689
Gm03	3025853	3026851 Gmdrm	hypo	CHH	-0.0649
Gm03	3026854	3027841 Gmdrm	hypo	CHH	-0.0557
Gm03	3044524	3045153 Gmdrm	hypo	CHH	-0.056
Gm03	3046192	3047181 Gmdrm	hypo	CHH	-0.0496
Gm03	3047193	3048192 Gmdrm	hypo	CHH	-0.0348
Gm03	3048199	3049189 Gmdrm	hypo	CHH	-0.0214
Gm03	3049200	3050196 Gmdrm	hypo	CHH	-0.0387
Gm03	3050204	3051187 Gmdrm	hypo	CHH	-0.0376
Gm03	3051214	3052204 Gmdrm	hypo	CHH	-0.0417
Gm03	3052215	3053067 Gmdrm	hypo	CHH	-0.0337
Gm03	3053899	3054663 Gmdrm	hypo	CHH	-0.0393
Gm03	3055589	3056572 Gmdrm	hypo	CHH	-0.1987
Gm03	3061535	3062519 Gmdrm	hypo	CHH	-0.0183
Gm03	3065619	3066602 Gmdrm	hypo	CHH	-0.0367
Gm03	3066630	3067625 Gmdrm	hypo	CHH	-0.019
Gm03	3076849	3077738 Gmdrm	hypo	CHH	-0.0515
Gm03	3082691	3083678 Gmdrm	hypo	CHH	-0.0463
Gm03	3084867	3085862 Gmdrm	hypo	CHH	-0.0184
Gm03	3118926	3119926 Gmdrm	hypo	CHH	-0.0459
Gm03	3149663	3150649 Gmdrm	hypo	CHH	-0.0154
Gm03	3151698	3151797 Gmdrm	hypo	CHH	-0.06
Gm03	3161482	3162475 Gmdrm	hypo	CHH	-0.0411
Gm03	3172443	3173430 Gmdrm	hypo	CHH	-0.0385
Gm03	3185550	3186456 Gmdrm	hypo	CHH	-0.0649
Gm03	3188160	3188456 Gmdrm	hypo	CHH	-0.1268
Gm03	3201084	3201276 Gmdrm	hypo	CHH	-0.0919
Gm03	3204659	3205654 Gmdrm	hypo	CHH	-0.0438
Gm03	3207679	3208676 Gmdrm	hypo	CHH	-0.063
Gm03	3238668	3239659 Gmdrm	hypo	CHH	-0.0233
Gm03	3239669	3240647 Gmdrm	hypo	CHH	-0.0407
Gm03	3268262	3269248 Gmdrm	hypo	CHH	-0.0583
Gm03	3281833	3282826 Gmdrm	hypo	CHH	-0.1912
Gm03	3282844	3283844 Gmdrm	hypo	CHH	-0.1442
Gm03	3286145	3286695 Gmdrm	hypo	CHH	-0.0424
Gm03	3292735	3293220 Gmdrm	hypo	CHH	-0.035
Gm03	3293365	3294354 Gmdrm	hypo	CHH	-0.1491
Gm03	3295725	3296714 Gmdrm	hypo	CHH	-0.0162
Gm03	3296730	3297728 Gmdrm	hypo	CHH	-0.0422
Gm03	3297733	3298731 Gmdrm	hypo	CHH	-0.0485
Gm03	3307624	3308607 Gmdrm	hypo	CHH	-0.0751
Gm03	3317562	3318556 Gmdrm	hypo	CHH	-0.0508
Gm03	3318570	3319561 Gmdrm	hypo	CHH	-0.0486
Gm03	3319889	3320405 Gmdrm	hypo	CHH	-0.0398
Gm03	3330624	3331618 Gmdrm	hypo	CHH	-0.1083
Gm03	3335217	3335347 Gmdrm	hypo	CHH	-0.0933

Gm03	3361666	3362601 Gmdrm	hypo	CHH	-0.0327
Gm03	3387402	3388385 Gmdrm	hypo	CHH	-0.0412
Gm03	3420874	3421854 Gmdrm	hypo	CHH	-0.0296
Gm03	3429079	3430078 Gmdrm	hypo	CHH	-0.1228
Gm03	3430088	3431087 Gmdrm	hypo	CHH	-0.0611
Gm03	3432096	3433095 Gmdrm	hypo	CHH	-0.0314
Gm03	3433100	3434092 Gmdrm	hypo	CHH	-0.0596
Gm03	3434112	3434247 Gmdrm	hypo	CHH	-0.3022
Gm03	3434410	3435254 Gmdrm	hypo	CHH	-0.111
Gm03	3436411	3437410 Gmdrm	hypo	CHH	-0.1601
Gm03	3443686	3444681 Gmdrm	hypo	CHH	-0.1556
Gm03	3452374	3453370 Gmdrm	hypo	CHH	-0.1199
Gm03	3477712	3478288 Gmdrm	hypo	CHH	-0.2968
Gm03	3490541	3491540 Gmdrm	hypo	CHH	-0.0207
Gm03	3491551	3491823 Gmdrm	hypo	CHH	-0.0545
Gm03	3491979	3492979 Gmdrm	hypo	CHH	-0.182
Gm03	3492980	3493980 Gmdrm	hypo	CHH	-0.2267
Gm03	3493987	3494978 Gmdrm	hypo	CHH	-0.0157
Gm03	3495256	3496249 Gmdrm	hypo	CHH	-0.0225
Gm03	3497302	3498297 Gmdrm	hypo	CHH	-0.0176
Gm03	3499639	3500262 Gmdrm	hypo	CHH	-0.0383
Gm03	3502268	3502761 Gmdrm	hypo	CHH	-0.0268
Gm03	3502863	3503823 Gmdrm	hypo	CHH	-0.0921
Gm03	3519270	3520262 Gmdrm	hypo	CHH	-0.0107
Gm03	3520379	3520950 Gmdrm	hypo	CHH	-0.0157
Gm03	3526530	3527505 Gmdrm	hypo	CHH	-0.032
Gm03	3528550	3529549 Gmdrm	hypo	CHH	-0.1937
Gm03	3529557	3530529 Gmdrm	hypo	CHH	-0.013
Gm03	3537043	3538009 Gmdrm	hypo	CHH	-0.0996
Gm03	3556801	3557793 Gmdrm	hypo	CHH	-0.1967
Gm03	3559885	3560849 Gmdrm	hypo	CHH	-0.0854
Gm03	3570654	3571648 Gmdrm	hypo	CHH	-0.0252
Gm03	3582651	3583641 Gmdrm	hypo	CHH	-0.0533
Gm03	3586802	3587736 Gmdrm	hypo	CHH	-0.2214
Gm03	3588826	3589417 Gmdrm	hypo	CHH	-0.0201
Gm03	3592735	3593034 Gmdrm	hypo	CHH	-0.05
Gm03	3593633	3593896 Gmdrm	hypo	CHH	-0.0524
Gm03	3600925	3601916 Gmdrm	hypo	CHH	-0.1092
Gm03	3624948	3625936 Gmdrm	hypo	CHH	-0.0194
Gm03	3631090	3632085 Gmdrm	hypo	CHH	-0.1448
Gm03	3632100	3632958 Gmdrm	hypo	CHH	-0.0406
Gm03	3636141	3637133 Gmdrm	hypo	CHH	-0.0406
Gm03	3656975	3657943 Gmdrm	hypo	CHH	-0.0121
Gm03	3669508	3670502 Gmdrm	hypo	CHH	-0.0366
Gm03	3670510	3671330 Gmdrm	hypo	CHH	-0.0261
Gm03	3678596	3679552 Gmdrm	hypo	CHH	-0.0393

Gm03	3680618	3681609	Gmdrm	hypo	CHH	-0.0148
Gm03	3701347	3702344	Gmdrm	hypo	CHH	-0.0517
Gm03	3702350	3703348	Gmdrm	hypo	CHH	-0.051
Gm03	3716554	3716966	Gmdrm	hypo	CHH	-0.0964
Gm03	3749036	3749644	Gmdrm	hypo	CHH	-0.055
Gm03	3765753	3766749	Gmdrm	hypo	CHH	-0.047
Gm03	3770761	3771760	Gmdrm	hypo	CHH	-0.1148
Gm03	3771762	3772661	Gmdrm	hypo	CHH	-0.0886
Gm03	3774230	3775223	Gmdrm	hypo	CHH	-0.0354
Gm03	3791389	3792384	Gmdrm	hypo	CHH	-0.0267
Gm03	3793305	3794247	Gmdrm	hypo	CHH	-0.0163
Gm03	3796934	3797924	Gmdrm	hypo	CHH	-0.0118
Gm03	3797937	3798926	Gmdrm	hypo	CHH	-0.0246
Gm03	3798944	3799788	Gmdrm	hypo	CHH	-0.0288
Gm03	3799969	3800965	Gmdrm	hypo	CHH	-0.0159
Gm03	3810128	3811095	Gmdrm	hypo	CHH	-0.0342
Gm03	3811941	3812181	Gmdrm	hypo	CHH	-0.0253
Gm03	3812480	3813475	Gmdrm	hypo	CHH	-0.1499
Gm03	3821783	3822776	Gmdrm	hypo	CHH	-0.0135
Gm03	3836283	3837282	Gmdrm	hypo	CHH	-0.0813
Gm03	3844555	3845487	Gmdrm	hypo	CHH	-0.0339
Gm03	3845570	3846550	Gmdrm	hypo	CHH	-0.0256
Gm03	3868270	3869122	Gmdrm	hypo	CHH	-0.036
Gm03	3869439	3870425	Gmdrm	hypo	CHH	-0.0484
Gm03	3870441	3871414	Gmdrm	hypo	CHH	-0.0117
Gm03	3885409	3886409	Gmdrm	hypo	CHH	-0.0453
Gm03	3886414	3887294	Gmdrm	hypo	CHH	-0.0266
Gm03	3888089	3889078	Gmdrm	hypo	CHH	-0.0127
Gm03	3912066	3913042	Gmdrm	hypo	CHH	-0.0778
Gm03	3913073	3914069	Gmdrm	hypo	CHH	-0.0453
Gm03	3914130	3915094	Gmdrm	hypo	CHH	-0.1047
Gm03	3919574	3919864	Gmdrm	hypo	CHH	-0.0367
Gm03	3923880	3924816	Gmdrm	hypo	CHH	-0.032
Gm03	3924887	3925866	Gmdrm	hypo	CHH	-0.0128
Gm03	3925909	3926904	Gmdrm	hypo	CHH	-0.0354
Gm03	3926932	3927925	Gmdrm	hypo	CHH	-0.0344
Gm03	3931014	3932000	Gmdrm	hypo	CHH	-0.0772
Gm03	3933782	3934238	Gmdrm	hypo	CHH	-0.0692
Gm03	3936951	3937052	Gmdrm	hypo	CHH	-0.164
Gm03	3945779	3946748	Gmdrm	hypo	CHH	-0.12
Gm03	3961143	3962130	Gmdrm	hypo	CHH	-0.0424
Gm03	3969218	3970218	Gmdrm	hypo	CHH	-0.0553
Gm03	3994755	3995753	Gmdrm	hypo	CHH	-0.0682
Gm03	4004407	4005362	Gmdrm	hypo	CHH	-0.0195
Gm03	4005408	4006408	Gmdrm	hypo	CHH	-0.0162
Gm03	4008436	4009320	Gmdrm	hypo	CHH	-0.0603

Gm03	4013749	4014735 Gmdrm	hypo	CHH	-0.0102
Gm03	4019789	4020789 Gmdrm	hypo	CHH	-0.0396
Gm03	4025830	4026830 Gmdrm	hypo	CHH	-0.0234
Gm03	4026838	4027835 Gmdrm	hypo	CHH	-0.0522
Gm03	4027846	4028846 Gmdrm	hypo	CHH	-0.0922
Gm03	4028854	4029848 Gmdrm	hypo	CHH	-0.0198
Gm03	4033902	4034902 Gmdrm	hypo	CHH	-0.1218
Gm03	4034903	4035235 Gmdrm	hypo	CHH	-0.1386
Gm03	4039619	4040592 Gmdrm	hypo	CHH	-0.0529
Gm03	4040638	4041223 Gmdrm	hypo	CHH	-0.0273
Gm03	4045175	4045566 Gmdrm	hypo	CHH	-0.0604
Gm03	4053248	4054240 Gmdrm	hypo	CHH	-0.053
Gm03	4057140	4058132 Gmdrm	hypo	CHH	-0.0398
Gm03	4060699	4061669 Gmdrm	hypo	CHH	-0.0241
Gm03	4065002	4066001 Gmdrm	hypo	CHH	-0.0172
Gm03	4076112	4077087 Gmdrm	hypo	CHH	-0.013
Gm03	4077115	4078104 Gmdrm	hypo	CHH	-0.0363
Gm03	4081454	4081589 Gmdrm	hypo	CHH	-0.0316
Gm03	4082821	4083817 Gmdrm	hypo	CHH	-0.0212
Gm03	4088366	4089118 Gmdrm	hypo	CHH	-0.0189
Gm03	4245374	4245671 Gmdrm	hypo	CHH	-0.0962
Gm03	4313128	4314127 Gmdrm	hypo	CHH	-0.0143
Gm03	4314134	4315120 Gmdrm	hypo	CHH	-0.0408
Gm03	4315135	4316123 Gmdrm	hypo	CHH	-0.0178
Gm03	4325684	4326683 Gmdrm	hypo	CHH	-0.0332
Gm03	4326690	4327675 Gmdrm	hypo	CHH	-0.0442
Gm03	4334812	4335808 Gmdrm	hypo	CHH	-0.0441
Gm03	4335820	4336473 Gmdrm	hypo	CHH	-0.0482
Gm03	4342586	4343578 Gmdrm	hypo	CHH	-0.0507
Gm03	4343592	4344591 Gmdrm	hypo	CHH	-0.0331
Gm03	4354772	4355739 Gmdrm	hypo	CHH	-0.0508
Gm03	4366915	4367508 Gmdrm	hypo	CHH	-0.1286
Gm03	4382801	4383800 Gmdrm	hypo	CHH	-0.1226
Gm03	4389677	4390673 Gmdrm	hypo	CHH	-0.0147
Gm03	4390951	4391951 Gmdrm	hypo	CHH	-0.0187
Gm03	4392971	4393962 Gmdrm	hypo	CHH	-0.0349
Gm03	4393973	4394961 Gmdrm	hypo	CHH	-0.0536
Gm03	4404421	4405412 Gmdrm	hypo	CHH	-0.0439
Gm03	4413165	4414164 Gmdrm	hypo	CHH	-0.0536
Gm03	4414171	4414298 Gmdrm	hypo	CHH	-0.096
Gm03	4443467	4444459 Gmdrm	hypo	CHH	-0.0402
Gm03	4456275	4456669 Gmdrm	hypo	CHH	-0.0394
Gm03	4456906	4457894 Gmdrm	hypo	CHH	-0.0151
Gm03	4457922	4458912 Gmdrm	hypo	CHH	-0.011
Gm03	4465693	4466570 Gmdrm	hypo	CHH	-0.025
Gm03	4466682	4467651 Gmdrm	hypo	CHH	-0.0141

Gm03	4472792	4473785 Gmdrm	hypo	CHH	-0.0647
Gm03	4473813	4474808 Gmdrm	hypo	CHH	-0.0337
Gm03	4482675	4483209 Gmdrm	hypo	CHH	-0.0353
Gm03	4493136	4493249 Gmdrm	hypo	CHH	-0.072
Gm03	4500592	4501419 Gmdrm	hypo	CHH	-0.1004
Gm03	4509824	4510824 Gmdrm	hypo	CHH	-0.0354
Gm03	4534025	4535005 Gmdrm	hypo	CHH	-0.1982
Gm03	4549041	4549515 Gmdrm	hypo	CHH	-0.0277
Gm03	4558273	4559254 Gmdrm	hypo	CHH	-0.0139
Gm03	4560286	4561286 Gmdrm	hypo	CHH	-0.0393
Gm03	4562297	4563284 Gmdrm	hypo	CHH	-0.0407
Gm03	4563305	4564300 Gmdrm	hypo	CHH	-0.0318
Gm03	4564325	4565322 Gmdrm	hypo	CHH	-0.0665
Gm03	4565329	4566321 Gmdrm	hypo	CHH	-0.0346
Gm03	4576488	4577480 Gmdrm	hypo	CHH	-0.0207
Gm03	4581081	4582075 Gmdrm	hypo	CHH	-0.0425
Gm03	4582083	4583081 Gmdrm	hypo	CHH	-0.0108
Gm03	4585320	4585949 Gmdrm	hypo	CHH	-0.0197
Gm03	4598152	4599144 Gmdrm	hypo	CHH	-0.095
Gm03	4607878	4608872 Gmdrm	hypo	CHH	-0.0835
Gm03	4623965	4624941 Gmdrm	hypo	CHH	-0.0391
Gm03	4633060	4633772 Gmdrm	hypo	CHH	-0.0708
Gm03	4648344	4649343 Gmdrm	hypo	CHH	-0.0525
Gm03	4649345	4650307 Gmdrm	hypo	CHH	-0.0447
Gm03	4650352	4651352 Gmdrm	hypo	CHH	-0.0227
Gm03	4652390	4653383 Gmdrm	hypo	CHH	-0.0476
Gm03	4653395	4654371 Gmdrm	hypo	CHH	-0.0131
Gm03	4678248	4679247 Gmdrm	hypo	CHH	-0.0172
Gm03	4679278	4680277 Gmdrm	hypo	CHH	-0.0581
Gm03	4680292	4681282 Gmdrm	hypo	CHH	-0.0726
Gm03	4681311	4682292 Gmdrm	hypo	CHH	-0.1368
Gm03	4686555	4687522 Gmdrm	hypo	CHH	-0.0847
Gm03	4687580	4688580 Gmdrm	hypo	CHH	-0.048
Gm03	4698760	4699759 Gmdrm	hypo	CHH	-0.1133
Gm03	4699783	4700753 Gmdrm	hypo	CHH	-0.0473
Gm03	4700812	4701623 Gmdrm	hypo	CHH	-0.0172
Gm03	4703736	4704704 Gmdrm	hypo	CHH	-0.0248
Gm03	4706514	4707507 Gmdrm	hypo	CHH	-0.0199
Gm03	4709554	4710549 Gmdrm	hypo	CHH	-0.3609
Gm03	4710555	4711309 Gmdrm	hypo	CHH	-0.1367
Gm03	4711460	4711765 Gmdrm	hypo	CHH	-0.0895
Gm03	4711936	4712826 Gmdrm	hypo	CHH	-0.1993
Gm03	4713110	4713373 Gmdrm	hypo	CHH	-0.1822
Gm03	4715989	4716989 Gmdrm	hypo	CHH	-0.0303
Gm03	4717995	4718981 Gmdrm	hypo	CHH	-0.0779
Gm03	4723170	4724148 Gmdrm	hypo	CHH	-0.0256

Gm03	4726552	4727484	Gmdrm	hypo	CHH	-0.0259
Gm03	4732854	4733845	Gmdrm	hypo	CHH	-0.0258
Gm03	4733875	4734856	Gmdrm	hypo	CHH	-0.2631
Gm03	4736728	4737720	Gmdrm	hypo	CHH	-0.0605
Gm03	4737732	4738450	Gmdrm	hypo	CHH	-0.0125
Gm03	4741656	4742626	Gmdrm	hypo	CHH	-0.039
Gm03	4742927	4743619	Gmdrm	hypo	CHH	-0.1352
Gm03	4743748	4744506	Gmdrm	hypo	CHH	-0.1568
Gm03	4747098	4748091	Gmdrm	hypo	CHH	-0.1152
Gm03	4748099	4748587	Gmdrm	hypo	CHH	-0.0849
Gm03	4748858	4749846	Gmdrm	hypo	CHH	-0.048
Gm03	4762851	4763849	Gmdrm	hypo	CHH	-0.0594
Gm03	4763853	4764847	Gmdrm	hypo	CHH	-0.0188
Gm03	4767936	4768935	Gmdrm	hypo	CHH	-0.0508
Gm03	4771473	4771600	Gmdrm	hypo	CHH	-0.1875
Gm03	4771997	4772677	Gmdrm	hypo	CHH	-0.0837
Gm03	4778209	4779208	Gmdrm	hypo	CHH	-0.1397
Gm03	4785443	4786267	Gmdrm	hypo	CHH	-0.0514
Gm03	4793253	4793463	Gmdrm	hypo	CHH	-0.0476
Gm03	4797394	4798364	Gmdrm	hypo	CHH	-0.0139
Gm03	4798414	4799400	Gmdrm	hypo	CHH	-0.0184
Gm03	4799447	4800446	Gmdrm	hypo	CHH	-0.035
Gm03	4800457	4801449	Gmdrm	hypo	CHH	-0.105
Gm03	4806448	4807430	Gmdrm	hypo	CHH	-0.0451
Gm03	4828802	4829799	Gmdrm	hypo	CHH	-0.0297
Gm03	4845362	4846339	Gmdrm	hypo	CHH	-0.1585
Gm03	4911391	4912350	Gmdrm	hypo	CHH	-0.026
Gm03	4913692	4914054	Gmdrm	hypo	CHH	-0.0922
Gm03	4918310	4919262	Gmdrm	hypo	CHH	-0.0383
Gm03	4920341	4921331	Gmdrm	hypo	CHH	-0.0391
Gm03	4959053	4960041	Gmdrm	hypo	CHH	-0.0124
Gm03	4981756	4982691	Gmdrm	hypo	CHH	-0.0163
Gm03	4983817	4984817	Gmdrm	hypo	CHH	-0.0383
Gm03	4984819	4985200	Gmdrm	hypo	CHH	-0.0836
Gm03	4985341	4985524	Gmdrm	hypo	CHH	-0.215
Gm03	4985727	4985935	Gmdrm	hypo	CHH	-0.0827
Gm03	4986188	4987175	Gmdrm	hypo	CHH	-0.0378
Gm03	4996333	4997306	Gmdrm	hypo	CHH	-0.0476
Gm03	4998335	4999319	Gmdrm	hypo	CHH	-0.0507
Gm03	5000341	5001295	Gmdrm	hypo	CHH	-0.019
Gm03	5001356	5002352	Gmdrm	hypo	CHH	-0.0191
Gm03	5023415	5024406	Gmdrm	hypo	CHH	-0.042
Gm03	5024430	5025144	Gmdrm	hypo	CHH	-0.0753
Gm03	5030170	5031170	Gmdrm	hypo	CHH	-0.0647
Gm03	5031191	5032134	Gmdrm	hypo	CHH	-0.05
Gm03	5034436	5035427	Gmdrm	hypo	CHH	-0.0432

Gm03	5036126	5036877 Gmdrm	hypo	CHH	-0.0578
Gm03	5037347	5038346 Gmdrm	hypo	CHH	-0.062
Gm03	5039160	5040155 Gmdrm	hypo	CHH	-0.0846
Gm03	5040167	5041093 Gmdrm	hypo	CHH	-0.0794
Gm03	5057407	5058132 Gmdrm	hypo	CHH	-0.0212
Gm03	5072166	5073150 Gmdrm	hypo	CHH	-0.0111
Gm03	5074229	5075229 Gmdrm	hypo	CHH	-0.0175
Gm03	5075238	5076195 Gmdrm	hypo	CHH	-0.0156
Gm03	5094732	5095695 Gmdrm	hypo	CHH	-0.0177
Gm03	5116676	5117675 Gmdrm	hypo	CHH	-0.0341
Gm03	5117682	5118664 Gmdrm	hypo	CHH	-0.0543
Gm03	5131020	5131996 Gmdrm	hypo	CHH	-0.0409
Gm03	5133038	5134021 Gmdrm	hypo	CHH	-0.0148
Gm03	5134571	5135549 Gmdrm	hypo	CHH	-0.0454
Gm03	5135576	5136575 Gmdrm	hypo	CHH	-0.0333
Gm03	5136597	5137597 Gmdrm	hypo	CHH	-0.0418
Gm03	5137614	5138614 Gmdrm	hypo	CHH	-0.0353
Gm03	5138619	5139619 Gmdrm	hypo	CHH	-0.0659
Gm03	5139620	5140573 Gmdrm	hypo	CHH	-0.0679
Gm03	5142011	5142609 Gmdrm	hypo	CHH	-0.0219
Gm03	5144780	5145778 Gmdrm	hypo	CHH	-0.0513
Gm03	5145794	5146091 Gmdrm	hypo	CHH	-0.0663
Gm03	5158812	5159432 Gmdrm	hypo	CHH	-0.2752
Gm03	5181564	5182549 Gmdrm	hypo	CHH	-0.0196
Gm03	5182573	5183567 Gmdrm	hypo	CHH	-0.02
Gm03	5187017	5187984 Gmdrm	hypo	CHH	-0.1101
Gm03	5189221	5190190 Gmdrm	hypo	CHH	-0.0173
Gm03	5192479	5192741 Gmdrm	hypo	CHH	-0.0239
Gm03	5211085	5212075 Gmdrm	hypo	CHH	-0.0824
Gm03	5217518	5218517 Gmdrm	hypo	CHH	-0.0319
Gm03	5240442	5241430 Gmdrm	hypo	CHH	-0.0116
Gm03	5245494	5246475 Gmdrm	hypo	CHH	-0.0137
Gm03	5247518	5248517 Gmdrm	hypo	CHH	-0.0228
Gm03	5253550	5254549 Gmdrm	hypo	CHH	-0.0235
Gm03	5257268	5258254 Gmdrm	hypo	CHH	-0.1142
Gm03	5259084	5260051 Gmdrm	hypo	CHH	-0.0701
Gm03	5260101	5260870 Gmdrm	hypo	CHH	-0.0717
Gm03	5266003	5266514 Gmdrm	hypo	CHH	-0.0262
Gm03	5270723	5271712 Gmdrm	hypo	CHH	-0.1515
Gm03	5277778	5278777 Gmdrm	hypo	CHH	-0.072
Gm03	5278786	5279781 Gmdrm	hypo	CHH	-0.0162
Gm03	5290751	5291744 Gmdrm	hypo	CHH	-0.1354
Gm03	5291757	5292726 Gmdrm	hypo	CHH	-0.285
Gm03	5293836	5294826 Gmdrm	hypo	CHH	-0.0228
Gm03	5295918	5296918 Gmdrm	hypo	CHH	-0.0133
Gm03	5306548	5307539 Gmdrm	hypo	CHH	-0.0694

Gm03	5307552	5308543	Gmdrm	hypo	CHH	-0.0368
Gm03	5318928	5319608	Gmdrm	hypo	CHH	-0.0834
Gm03	5323625	5324618	Gmdrm	hypo	CHH	-0.0424
Gm03	5330728	5331711	Gmdrm	hypo	CHH	-0.0229
Gm03	5332745	5333736	Gmdrm	hypo	CHH	-0.015
Gm03	5350026	5350987	Gmdrm	hypo	CHH	-0.0293
Gm03	5351052	5352049	Gmdrm	hypo	CHH	-0.0144
Gm03	5352059	5352268	Gmdrm	hypo	CHH	-0.0277
Gm03	5353378	5354360	Gmdrm	hypo	CHH	-0.1449
Gm03	5364091	5364472	Gmdrm	hypo	CHH	-0.0241
Gm03	5367837	5368831	Gmdrm	hypo	CHH	-0.0683
Gm03	5373078	5373859	Gmdrm	hypo	CHH	-0.3137
Gm03	5382589	5383101	Gmdrm	hypo	CHH	-0.0783
Gm03	5394404	5395401	Gmdrm	hypo	CHH	-0.1152
Gm03	5395407	5396382	Gmdrm	hypo	CHH	-0.0414
Gm03	5396423	5396766	Gmdrm	hypo	CHH	-0.0486
Gm03	5397507	5397673	Gmdrm	hypo	CHH	-0.1017
Gm03	5424177	5425174	Gmdrm	hypo	CHH	-0.0367
Gm03	5429904	5430690	Gmdrm	hypo	CHH	-0.0266
Gm03	5455818	5456050	Gmdrm	hypo	CHH	-0.0576
Gm03	5472079	5472182	Gmdrm	hypo	CHH	-0.125
Gm03	5472290	5473290	Gmdrm	hypo	CHH	-0.0644
Gm03	5512963	5513944	Gmdrm	hypo	CHH	-0.0359
Gm03	5523740	5524382	Gmdrm	hypo	CHH	-0.0381
Gm03	5556662	5557336	Gmdrm	hypo	CHH	-0.1759
Gm03	5707533	5708169	Gmdrm	hypo	CHH	-0.0215
Gm03	5711524	5712201	Gmdrm	hypo	CHH	-0.0346
Gm03	5712306	5713187	Gmdrm	hypo	CHH	-0.1585
Gm03	5721032	5722027	Gmdrm	hypo	CHH	-0.2268
Gm03	5722043	5722340	Gmdrm	hypo	CHH	-0.0329
Gm03	5724110	5725102	Gmdrm	hypo	CHH	-0.0593
Gm03	5727253	5728245	Gmdrm	hypo	CHH	-0.0294
Gm03	5742205	5743202	Gmdrm	hypo	CHH	-0.0457
Gm03	5848284	5849272	Gmdrm	hypo	CHH	-0.0161
Gm03	5852951	5853718	Gmdrm	hypo	CHH	-0.1062
Gm03	5863608	5864427	Gmdrm	hypo	CHH	-0.0319
Gm03	5864608	5865597	Gmdrm	hypo	CHH	-0.0463
Gm03	5870692	5871684	Gmdrm	hypo	CHH	-0.018
Gm03	5871724	5872578	Gmdrm	hypo	CHH	-0.051
Gm03	5872716	5873706	Gmdrm	hypo	CHH	-0.05
Gm03	5879642	5880642	Gmdrm	hypo	CHH	-0.0481
Gm03	5880649	5881191	Gmdrm	hypo	CHH	-0.0825
Gm03	5881410	5882402	Gmdrm	hypo	CHH	-0.0171
Gm03	5884256	5884494	Gmdrm	hypo	CHH	-0.031
Gm03	5891486	5891643	Gmdrm	hypo	CHH	-0.6358
Gm03	5893397	5893872	Gmdrm	hypo	CHH	-0.0325

Gm03	5901172	5901723 Gmdrm	hypo	CHH	-0.0928
Gm03	5912465	5912866 Gmdrm	hypo	CHH	-0.0503
Gm03	5924635	5924912 Gmdrm	hypo	CHH	-0.1544
Gm03	5931423	5931553 Gmdrm	hypo	CHH	-0.115
Gm03	5964473	5965465 Gmdrm	hypo	CHH	-0.0126
Gm03	5965475	5966472 Gmdrm	hypo	CHH	-0.0746
Gm03	5966478	5966706 Gmdrm	hypo	CHH	-0.081
Gm03	5967133	5967501 Gmdrm	hypo	CHH	-0.1146
Gm03	6170275	6171270 Gmdrm	hypo	CHH	-0.0482
Gm03	6171282	6172276 Gmdrm	hypo	CHH	-0.0502
Gm03	6172329	6173320 Gmdrm	hypo	CHH	-0.0232
Gm03	6181587	6182563 Gmdrm	hypo	CHH	-0.0298
Gm03	6187712	6188683 Gmdrm	hypo	CHH	-0.0302
Gm03	6188720	6189717 Gmdrm	hypo	CHH	-0.0422
Gm03	6189743	6190035 Gmdrm	hypo	CHH	-0.0608
Gm03	6190394	6191391 Gmdrm	hypo	CHH	-0.057
Gm03	6191403	6191958 Gmdrm	hypo	CHH	-0.0656
Gm03	6193060	6194049 Gmdrm	hypo	CHH	-0.0461
Gm03	6194061	6195056 Gmdrm	hypo	CHH	-0.0752
Gm03	6195065	6196064 Gmdrm	hypo	CHH	-0.0846
Gm03	6196070	6197056 Gmdrm	hypo	CHH	-0.0558
Gm03	6204199	6205178 Gmdrm	hypo	CHH	-0.0308
Gm03	6205210	6206205 Gmdrm	hypo	CHH	-0.0633
Gm03	6206216	6207172 Gmdrm	hypo	CHH	-0.046
Gm03	6208230	6209225 Gmdrm	hypo	CHH	-0.1173
Gm03	6223274	6224264 Gmdrm	hypo	CHH	-0.0382
Gm03	6224277	6225273 Gmdrm	hypo	CHH	-0.0882
Gm03	6231946	6232937 Gmdrm	hypo	CHH	-0.0622
Gm03	6283679	6284659 Gmdrm	hypo	CHH	-0.0208
Gm03	6320165	6320271 Gmdrm	hypo	CHH	-0.1308
Gm03	6362345	6363340 Gmdrm	hypo	CHH	-0.0561
Gm03	6391820	6392796 Gmdrm	hypo	CHH	-0.0372
Gm03	6398257	6399255 Gmdrm	hypo	CHH	-0.0208
Gm03	6399261	6400261 Gmdrm	hypo	CHH	-0.0509
Gm03	6401269	6401996 Gmdrm	hypo	CHH	-0.0704
Gm03	6402468	6402983 Gmdrm	hypo	CHH	-0.0498
Gm03	6403791	6404181 Gmdrm	hypo	CHH	-0.0292
Gm03	6404444	6405439 Gmdrm	hypo	CHH	-0.0187
Gm03	6425973	6426956 Gmdrm	hypo	CHH	-0.0675
Gm03	6426984	6427955 Gmdrm	hypo	CHH	-0.0288
Gm03	6428658	6429657 Gmdrm	hypo	CHH	-0.0379
Gm03	6429659	6430659 Gmdrm	hypo	CHH	-0.064
Gm03	6433203	6434200 Gmdrm	hypo	CHH	-0.0524
Gm03	6439858	6440077 Gmdrm	hypo	CHH	-0.1336
Gm03	6477834	6478334 Gmdrm	hypo	CHH	-0.1123
Gm03	6499643	6500619 Gmdrm	hypo	CHH	-0.0409

Gm03	6500650	6501583	Gmdrm	hypo	CHH	-0.0751
Gm03	6546519	6547504	Gmdrm	hypo	CHH	-0.0196
Gm03	6548350	6548363	Gmdrm	hypo	CHH	-0.2
Gm03	6563160	6564129	Gmdrm	hypo	CHH	-0.0155
Gm03	6568217	6569217	Gmdrm	hypo	CHH	-0.0269
Gm03	6570516	6571507	Gmdrm	hypo	CHH	-0.0376
Gm03	6574521	6575520	Gmdrm	hypo	CHH	-0.0422
Gm03	6575522	6575750	Gmdrm	hypo	CHH	-0.045
Gm03	6576080	6576870	Gmdrm	hypo	CHH	-0.0212
Gm03	6576990	6577990	Gmdrm	hypo	CHH	-0.0487
Gm03	6577994	6578979	Gmdrm	hypo	CHH	-0.1595
Gm03	6578995	6579993	Gmdrm	hypo	CHH	-0.0185
Gm03	6581035	6581546	Gmdrm	hypo	CHH	-0.164
Gm03	6581727	6581799	Gmdrm	hypo	CHH	-0.096
Gm03	6582415	6583260	Gmdrm	hypo	CHH	-0.1288
Gm03	6587507	6588501	Gmdrm	hypo	CHH	-0.0383
Gm03	6641698	6642693	Gmdrm	hypo	CHH	-0.0201
Gm03	6643774	6644613	Gmdrm	hypo	CHH	-0.0514
Gm03	6644724	6644994	Gmdrm	hypo	CHH	-0.0286
Gm03	6653699	6654067	Gmdrm	hypo	CHH	-0.0203
Gm03	6663314	6664306	Gmdrm	hypo	CHH	-0.0562
Gm03	6696578	6697573	Gmdrm	hypo	CHH	-0.0944
Gm03	6697579	6697791	Gmdrm	hypo	CHH	-0.2918
Gm03	6713019	6713999	Gmdrm	hypo	CHH	-0.1849
Gm03	6714027	6715026	Gmdrm	hypo	CHH	-0.1436
Gm03	6715029	6716014	Gmdrm	hypo	CHH	-0.0627
Gm03	6716045	6717033	Gmdrm	hypo	CHH	-0.0715
Gm03	6722759	6723742	Gmdrm	hypo	CHH	-0.0318
Gm03	6731300	6731377	Gmdrm	hypo	CHH	-0.7212
Gm03	6731496	6732096	Gmdrm	hypo	CHH	-0.04
Gm03	6759137	6759542	Gmdrm	hypo	CHH	-0.0417
Gm03	6769005	6769990	Gmdrm	hypo	CHH	-0.0498
Gm03	6778822	6779758	Gmdrm	hypo	CHH	-0.0206
Gm03	6795401	6796393	Gmdrm	hypo	CHH	-0.0449
Gm03	6799595	6800582	Gmdrm	hypo	CHH	-0.0291
Gm03	6803629	6804618	Gmdrm	hypo	CHH	-0.0157
Gm03	6807655	6808643	Gmdrm	hypo	CHH	-0.0543
Gm03	6838406	6839401	Gmdrm	hypo	CHH	-0.134
Gm03	6839408	6840401	Gmdrm	hypo	CHH	-0.0465
Gm03	6860728	6861723	Gmdrm	hypo	CHH	-0.0277
Gm03	6862746	6863737	Gmdrm	hypo	CHH	-0.0663
Gm03	6877651	6877838	Gmdrm	hypo	CHH	-0.116
Gm03	6902037	6903036	Gmdrm	hypo	CHH	-0.0526
Gm03	6903060	6904050	Gmdrm	hypo	CHH	-0.0512
Gm03	6929493	6930305	Gmdrm	hypo	CHH	-0.1252
Gm03	6936483	6936931	Gmdrm	hypo	CHH	-0.0576

Gm03	6939126	6940116 Gmdrm	hypo	CHH	-0.0429
Gm03	6945781	6946762 Gmdrm	hypo	CHH	-0.0124
Gm03	6946797	6947384 Gmdrm	hypo	CHH	-0.0963
Gm03	6947813	6948776 Gmdrm	hypo	CHH	-0.0484
Gm03	6952971	6953970 Gmdrm	hypo	CHH	-0.0182
Gm03	6953991	6954952 Gmdrm	hypo	CHH	-0.0409
Gm03	6956654	6957647 Gmdrm	hypo	CHH	-0.0249
Gm03	7020666	7021653 Gmdrm	hypo	CHH	-0.0872
Gm03	7021667	7022323 Gmdrm	hypo	CHH	-0.1205
Gm03	7025855	7026838 Gmdrm	hypo	CHH	-0.0791
Gm03	7026856	7027842 Gmdrm	hypo	CHH	-0.0476
Gm03	7027870	7028867 Gmdrm	hypo	CHH	-0.0348
Gm03	7028880	7029268 Gmdrm	hypo	CHH	-0.0495
Gm03	7060490	7061486 Gmdrm	hypo	CHH	-0.0397
Gm03	7061491	7061661 Gmdrm	hypo	CHH	-0.1468
Gm03	7062277	7062651 Gmdrm	hypo	CHH	-0.0555
Gm03	7064166	7064343 Gmdrm	hypo	CHH	-0.0646
Gm03	7064777	7065193 Gmdrm	hypo	CHH	-0.0845
Gm03	7065904	7066890 Gmdrm	hypo	CHH	-0.023
Gm03	7069235	7069317 Gmdrm	hypo	CHH	-0.056
Gm03	7094385	7095374 Gmdrm	hypo	CHH	-0.0134
Gm03	7098089	7098474 Gmdrm	hypo	CHH	-0.0397
Gm03	7101673	7101765 Gmdrm	hypo	CHH	-0.072
Gm03	7103481	7104366 Gmdrm	hypo	CHH	-0.1171
Gm03	7104502	7105500 Gmdrm	hypo	CHH	-0.1009
Gm03	7105543	7106522 Gmdrm	hypo	CHH	-0.0158
Gm03	7115131	7116131 Gmdrm	hypo	CHH	-0.2083
Gm03	7116149	7117142 Gmdrm	hypo	CHH	-0.1373
Gm03	7117157	7118155 Gmdrm	hypo	CHH	-0.0516
Gm03	7118158	7119155 Gmdrm	hypo	CHH	-0.0937
Gm03	7119159	7120151 Gmdrm	hypo	CHH	-0.0532
Gm03	7120164	7121157 Gmdrm	hypo	CHH	-0.1033
Gm03	7148591	7149244 Gmdrm	hypo	CHH	-0.2611
Gm03	7149600	7150572 Gmdrm	hypo	CHH	-0.2944
Gm03	7153278	7153729 Gmdrm	hypo	CHH	-0.0497
Gm03	7173123	7174119 Gmdrm	hypo	CHH	-0.0436
Gm03	7175912	7175975 Gmdrm	hypo	CHH	-0.3371
Gm03	7179272	7180270 Gmdrm	hypo	CHH	-0.0383
Gm03	7225873	7226458 Gmdrm	hypo	CHH	-0.0437
Gm03	7329918	7330904 Gmdrm	hypo	CHH	-0.0492
Gm03	7331932	7332925 Gmdrm	hypo	CHH	-0.2819
Gm03	7340456	7341453 Gmdrm	hypo	CHH	-0.0732
Gm03	7355088	7356086 Gmdrm	hypo	CHH	-0.0293
Gm03	7386305	7386397 Gmdrm	hypo	CHH	-0.2857
Gm03	7425593	7426561 Gmdrm	hypo	CHH	-0.0129
Gm03	7473494	7474465 Gmdrm	hypo	CHH	-0.0405

Gm03	7475506	7475757 Gmdrm	hypo	CHH	-0.0275
Gm03	7484960	7485959 Gmdrm	hypo	CHH	-0.0498
Gm03	7485968	7486957 Gmdrm	hypo	CHH	-0.098
Gm03	7486969	7487967 Gmdrm	hypo	CHH	-0.0645
Gm03	7599129	7600127 Gmdrm	hypo	CHH	-0.0845
Gm03	7600133	7600396 Gmdrm	hypo	CHH	-0.2976
Gm03	7600538	7601496 Gmdrm	hypo	CHH	-0.1058
Gm03	7602560	7603560 Gmdrm	hypo	CHH	-0.0195
Gm03	7604238	7605234 Gmdrm	hypo	CHH	-0.0155
Gm03	7605242	7605951 Gmdrm	hypo	CHH	-0.0144
Gm03	7607735	7608725 Gmdrm	hypo	CHH	-0.0156
Gm03	7619867	7620866 Gmdrm	hypo	CHH	-0.0496
Gm03	7620876	7621876 Gmdrm	hypo	CHH	-0.0476
Gm03	7621892	7622880 Gmdrm	hypo	CHH	-0.0249
Gm03	7629743	7630303 Gmdrm	hypo	CHH	-0.1337
Gm03	7636039	7637037 Gmdrm	hypo	CHH	-0.0837
Gm03	7637043	7638037 Gmdrm	hypo	CHH	-0.1069
Gm03	7638839	7639835 Gmdrm	hypo	CHH	-0.029
Gm03	7646555	7647448 Gmdrm	hypo	CHH	-0.021
Gm03	7651723	7652601 Gmdrm	hypo	CHH	-0.0542
Gm03	7656763	7657746 Gmdrm	hypo	CHH	-0.0474
Gm03	7660061	7660572 Gmdrm	hypo	CHH	-0.2286
Gm03	7660693	7661689 Gmdrm	hypo	CHH	-0.0367
Gm03	7661746	7662746 Gmdrm	hypo	CHH	-0.0103
Gm03	7683393	7684093 Gmdrm	hypo	CHH	-0.028
Gm03	7684742	7685058 Gmdrm	hypo	CHH	-0.0882
Gm03	7728561	7729303 Gmdrm	hypo	CHH	-0.0192
Gm03	7749408	7750408 Gmdrm	hypo	CHH	-0.163
Gm03	7750415	7751400 Gmdrm	hypo	CHH	-0.1525
Gm03	7751535	7752531 Gmdrm	hypo	CHH	-0.0627
Gm03	7780690	7781684 Gmdrm	hypo	CHH	-0.0653
Gm03	7787035	7788034 Gmdrm	hypo	CHH	-0.0542
Gm03	7788044	7789039 Gmdrm	hypo	CHH	-0.0478
Gm03	7789045	7790043 Gmdrm	hypo	CHH	-0.0683
Gm03	7790968	7791844 Gmdrm	hypo	CHH	-0.0282
Gm03	7813204	7813366 Gmdrm	hypo	CHH	-0.026
Gm03	7814821	7815255 Gmdrm	hypo	CHH	-0.1686
Gm03	7818327	7819324 Gmdrm	hypo	CHH	-0.0548
Gm03	7842495	7843493 Gmdrm	hypo	CHH	-0.2448
Gm03	7843498	7844493 Gmdrm	hypo	CHH	-0.3028
Gm03	7850518	7851515 Gmdrm	hypo	CHH	-0.1574
Gm03	7851519	7852423 Gmdrm	hypo	CHH	-0.0989
Gm03	7865990	7866986 Gmdrm	hypo	CHH	-0.0386
Gm03	7877418	7877673 Gmdrm	hypo	CHH	-0.035
Gm03	7890839	7891056 Gmdrm	hypo	CHH	-0.1216
Gm03	7891817	7892802 Gmdrm	hypo	CHH	-0.1539

Gm03	7903799	7904060 Gmdrm	hypo	CHH	-0.0566
Gm03	7936915	7937902 Gmdrm	hypo	CHH	-0.0759
Gm03	7939936	7940568 Gmdrm	hypo	CHH	-0.0206
Gm03	7941447	7942438 Gmdrm	hypo	CHH	-0.0427
Gm03	7943144	7944140 Gmdrm	hypo	CHH	-0.0455
Gm03	7950167	7951165 Gmdrm	hypo	CHH	-0.0501
Gm03	7951193	7952171 Gmdrm	hypo	CHH	-0.1441
Gm03	7955200	7955507 Gmdrm	hypo	CHH	-0.1083
Gm03	7990082	7991077 Gmdrm	hypo	CHH	-0.1718
Gm03	7997406	7998398 Gmdrm	hypo	CHH	-0.1624
Gm03	7998407	7999077 Gmdrm	hypo	CHH	-0.2762
Gm03	8008831	8009829 Gmdrm	hypo	CHH	-0.0336
Gm03	8011205	8012195 Gmdrm	hypo	CHH	-0.0223
Gm03	8020842	8020993 Gmdrm	hypo	CHH	-0.0748
Gm03	8043759	8044515 Gmdrm	hypo	CHH	-0.1803
Gm03	8048201	8048922 Gmdrm	hypo	CHH	-0.0326
Gm03	8050035	8050983 Gmdrm	hypo	CHH	-0.1781
Gm03	8051617	8052222 Gmdrm	hypo	CHH	-0.0247
Gm03	8068521	8068961 Gmdrm	hypo	CHH	-0.053
Gm03	8069876	8070425 Gmdrm	hypo	CHH	-0.0208
Gm03	8071553	8072540 Gmdrm	hypo	CHH	-0.022
Gm03	8085010	8085832 Gmdrm	hypo	CHH	-0.0617
Gm03	8102759	8103610 Gmdrm	hypo	CHH	-0.0139
Gm03	8113759	8114741 Gmdrm	hypo	CHH	-0.0281
Gm03	8165901	8166479 Gmdrm	hypo	CHH	-0.0647
Gm03	8236711	8237498 Gmdrm	hypo	CHH	-0.058
Gm03	8237696	8238247 Gmdrm	hypo	CHH	-0.1253
Gm03	8238895	8239529 Gmdrm	hypo	CHH	-0.0194
Gm03	8248073	8249050 Gmdrm	hypo	CHH	-0.0366
Gm03	8249097	8249906 Gmdrm	hypo	CHH	-0.1154
Gm03	8250031	8250722 Gmdrm	hypo	CHH	-0.117
Gm03	8251021	8251083 Gmdrm	hypo	CHH	-0.06
Gm03	8271624	8272615 Gmdrm	hypo	CHH	-0.0851
Gm03	8274313	8274916 Gmdrm	hypo	CHH	-0.0225
Gm03	8292718	8293097 Gmdrm	hypo	CHH	-0.0272
Gm03	8303834	8303988 Gmdrm	hypo	CHH	-0.0786
Gm03	8305798	8306791 Gmdrm	hypo	CHH	-0.0521
Gm03	8309844	8310839 Gmdrm	hypo	CHH	-0.0688
Gm03	8310849	8311803 Gmdrm	hypo	CHH	-0.1949
Gm03	8319622	8320594 Gmdrm	hypo	CHH	-0.0686
Gm03	8320980	8321969 Gmdrm	hypo	CHH	-0.1841
Gm03	8321985	8322965 Gmdrm	hypo	CHH	-0.0562
Gm03	8322994	8323695 Gmdrm	hypo	CHH	-0.0177
Gm03	8324817	8325791 Gmdrm	hypo	CHH	-0.0226
Gm03	8328856	8329105 Gmdrm	hypo	CHH	-0.0421
Gm03	8329207	8329637 Gmdrm	hypo	CHH	-0.0886

Gm03	8329833	8330825	Gmdrm	hypo	CHH	-0.0713
Gm03	8330836	8331833	Gmdrm	hypo	CHH	-0.0619
Gm03	8348087	8349086	Gmdrm	hypo	CHH	-0.0474
Gm03	8357267	8358217	Gmdrm	hypo	CHH	-0.0752
Gm03	8360523	8361523	Gmdrm	hypo	CHH	-0.0406
Gm03	8361525	8362489	Gmdrm	hypo	CHH	-0.0515
Gm03	8370261	8371253	Gmdrm	hypo	CHH	-0.0822
Gm03	8371265	8372153	Gmdrm	hypo	CHH	-0.03
Gm03	8378097	8379095	Gmdrm	hypo	CHH	-0.0865
Gm03	8405889	8406068	Gmdrm	hypo	CHH	-0.0658
Gm03	8420640	8421623	Gmdrm	hypo	CHH	-0.0766
Gm03	8422062	8422142	Gmdrm	hypo	CHH	-0.2257
Gm03	8424339	8425286	Gmdrm	hypo	CHH	-0.0519
Gm03	8425343	8425802	Gmdrm	hypo	CHH	-0.0248
Gm03	8462231	8463231	Gmdrm	hypo	CHH	-0.0538
Gm03	8515169	8516117	Gmdrm	hypo	CHH	-0.0111
Gm03	8516171	8516556	Gmdrm	hypo	CHH	-0.0288
Gm03	8517815	8518812	Gmdrm	hypo	CHH	-0.057
Gm03	8518816	8519809	Gmdrm	hypo	CHH	-0.0639
Gm03	8522037	8522526	Gmdrm	hypo	CHH	-0.0261
Gm03	8522652	8523374	Gmdrm	hypo	CHH	-0.0219
Gm03	8645347	8645945	Gmdrm	hypo	CHH	-0.0643
Gm03	8733272	8734077	Gmdrm	hypo	CHH	-0.0987
Gm03	8734659	8735659	Gmdrm	hypo	CHH	-0.1166
Gm03	8738791	8739763	Gmdrm	hypo	CHH	-0.0263
Gm03	8740330	8741322	Gmdrm	hypo	CHH	-0.031
Gm03	8746375	8746511	Gmdrm	hypo	CHH	-0.2161
Gm03	8747648	8748614	Gmdrm	hypo	CHH	-0.0166
Gm03	8749313	8750273	Gmdrm	hypo	CHH	-0.0446
Gm03	8784543	8785543	Gmdrm	hypo	CHH	-0.0296
Gm03	8786370	8787360	Gmdrm	hypo	CHH	-0.0222
Gm03	8793775	8794150	Gmdrm	hypo	CHH	-0.0575
Gm03	8803942	8804433	Gmdrm	hypo	CHH	-0.0747
Gm03	8808477	8809445	Gmdrm	hypo	CHH	-0.0349
Gm03	8811034	8811970	Gmdrm	hypo	CHH	-0.0229
Gm03	8812043	8812589	Gmdrm	hypo	CHH	-0.1014
Gm03	8812959	8813953	Gmdrm	hypo	CHH	-0.0407
Gm03	8846520	8847509	Gmdrm	hypo	CHH	-0.03
Gm03	8847523	8848520	Gmdrm	hypo	CHH	-0.049
Gm03	8848555	8849545	Gmdrm	hypo	CHH	-0.0381
Gm03	8968833	8969301	Gmdrm	hypo	CHH	-0.0897
Gm03	8987786	8987888	Gmdrm	hypo	CHH	-0.1733
Gm03	8999943	9000935	Gmdrm	hypo	CHH	-0.0422
Gm03	9007276	9008275	Gmdrm	hypo	CHH	-0.0652
Gm03	9028835	9029487	Gmdrm	hypo	CHH	-0.0168
Gm03	9029791	9030770	Gmdrm	hypo	CHH	-0.0271

Gm03	9030796	9031782	Gmdrm	hypo	CHH	-0.0276
Gm03	9031803	9032802	Gmdrm	hypo	CHH	-0.0171
Gm03	9047496	9047980	Gmdrm	hypo	CHH	-0.0221
Gm03	9049132	9050004	Gmdrm	hypo	CHH	-0.0402
Gm03	9143174	9144155	Gmdrm	hypo	CHH	-0.0398
Gm03	9163597	9164586	Gmdrm	hypo	CHH	-0.0975
Gm03	9164599	9165157	Gmdrm	hypo	CHH	-0.013
Gm03	9178581	9179575	Gmdrm	hypo	CHH	-0.1829
Gm03	9190843	9191835	Gmdrm	hypo	CHH	-0.0488
Gm03	9191848	9191875	Gmdrm	hypo	CHH	-0.1983
Gm03	9195686	9196279	Gmdrm	hypo	CHH	-0.0192
Gm03	9198115	9199102	Gmdrm	hypo	CHH	-0.014
Gm03	9202430	9202550	Gmdrm	hypo	CHH	-0.1175
Gm03	9292003	9292983	Gmdrm	hypo	CHH	-0.017
Gm03	9294506	9295503	Gmdrm	hypo	CHH	-0.0126
Gm03	9304306	9305298	Gmdrm	hypo	CHH	-0.0238
Gm03	9321548	9322530	Gmdrm	hypo	CHH	-0.187
Gm03	9324166	9325161	Gmdrm	hypo	CHH	-0.0325
Gm03	9567325	9568318	Gmdrm	hypo	CHH	-0.0444
Gm03	9568330	9569035	Gmdrm	hypo	CHH	-0.0544
Gm03	9569381	9570355	Gmdrm	hypo	CHH	-0.0316
Gm03	9572260	9573171	Gmdrm	hypo	CHH	-0.0491
Gm03	9576547	9576617	Gmdrm	hypo	CHH	-0.169
Gm03	9736075	9736376	Gmdrm	hypo	CHH	-0.1132
Gm03	9743715	9743936	Gmdrm	hypo	CHH	-0.0784
Gm03	9790711	9790927	Gmdrm	hypo	CHH	-0.0908
Gm03	9844350	9845335	Gmdrm	hypo	CHH	-0.0209
Gm03	9884690	9884748	Gmdrm	hypo	CHH	-0.118
Gm03	10003568	10004563	Gmdrm	hypo	CHH	-0.0802
Gm03	10181627	10182621	Gmdrm	hypo	CHH	-0.0565
Gm03	10195040	10195896	Gmdrm	hypo	CHH	-0.0197
Gm03	10200814	10201808	Gmdrm	hypo	CHH	-0.0199
Gm03	10201824	10202822	Gmdrm	hypo	CHH	-0.0394
Gm03	10202834	10203519	Gmdrm	hypo	CHH	-0.0967
Gm03	10203658	10204554	Gmdrm	hypo	CHH	-0.0523
Gm03	10208298	10209280	Gmdrm	hypo	CHH	-0.0291
Gm03	10211673	10212666	Gmdrm	hypo	CHH	-0.0677
Gm03	10214184	10215173	Gmdrm	hypo	CHH	-0.0924
Gm03	10242034	10243026	Gmdrm	hypo	CHH	-0.0464
Gm03	10288155	10288239	Gmdrm	hypo	CHH	-0.1234
Gm03	10308523	10309507	Gmdrm	hypo	CHH	-0.0143
Gm03	10313261	10313750	Gmdrm	hypo	CHH	-0.2125
Gm03	10314200	10315198	Gmdrm	hypo	CHH	-0.2466
Gm03	10320764	10321754	Gmdrm	hypo	CHH	-0.0123
Gm03	10322127	10323114	Gmdrm	hypo	CHH	-0.015
Gm03	10324187	10325186	Gmdrm	hypo	CHH	-0.0181

Gm03	10343647	10344571	Gmdrm	hypo	CHH	-0.0206
Gm03	10347059	10348034	Gmdrm	hypo	CHH	-0.0427
Gm03	10570488	10571484	Gmdrm	hypo	CHH	-0.0317
Gm03	10571489	10572488	Gmdrm	hypo	CHH	-0.0598
Gm03	10572493	10573483	Gmdrm	hypo	CHH	-0.0222
Gm03	10597706	10597768	Gmdrm	hypo	CHH	-0.0363
Gm03	10599954	10600950	Gmdrm	hypo	CHH	-0.053
Gm03	10601462	10602413	Gmdrm	hypo	CHH	-0.0143
Gm03	10604077	10604355	Gmdrm	hypo	CHH	-0.0361
Gm03	10613593	10614590	Gmdrm	hypo	CHH	-0.0196
Gm03	10617673	10618667	Gmdrm	hypo	CHH	-0.025
Gm03	10620598	10621589	Gmdrm	hypo	CHH	-0.0644
Gm03	10640403	10640439	Gmdrm	hypo	CHH	-0.18
Gm03	10672159	10673132	Gmdrm	hypo	CHH	-0.0366
Gm03	10688600	10689581	Gmdrm	hypo	CHH	-0.0935
Gm03	10693589	10694581	Gmdrm	hypo	CHH	-0.1366
Gm03	10789725	10790720	Gmdrm	hypo	CHH	-0.0317
Gm03	10849640	10850315	Gmdrm	hypo	CHH	-0.0194
Gm03	10894300	10895164	Gmdrm	hypo	CHH	-0.0172
Gm03	10896501	10897487	Gmdrm	hypo	CHH	-0.0144
Gm03	10941788	10942746	Gmdrm	hypo	CHH	-0.1037
Gm03	10946706	10947701	Gmdrm	hypo	CHH	-0.0195
Gm03	10957956	10958947	Gmdrm	hypo	CHH	-0.0501
Gm03	11318648	11318703	Gmdrm	hypo	CHH	-0.2271
Gm03	11331510	11332510	Gmdrm	hypo	CHH	-0.1242
Gm03	11486111	11486405	Gmdrm	hypo	CHH	-0.1186
Gm03	11547089	11548077	Gmdrm	hypo	CHH	-0.0697
Gm03	11931951	11932914	Gmdrm	hypo	CHH	-0.056
Gm03	11933959	11934431	Gmdrm	hypo	CHH	-0.3024
Gm03	11938601	11939599	Gmdrm	hypo	CHH	-0.0523
Gm03	11939604	11940565	Gmdrm	hypo	CHH	-0.15
Gm03	11940884	11941877	Gmdrm	hypo	CHH	-0.0705
Gm03	11964355	11965352	Gmdrm	hypo	CHH	-0.0246
Gm03	11965356	11966331	Gmdrm	hypo	CHH	-0.026
Gm03	11966357	11967092	Gmdrm	hypo	CHH	-0.0357
Gm03	11968545	11969539	Gmdrm	hypo	CHH	-0.0371
Gm03	11969551	11970547	Gmdrm	hypo	CHH	-0.0444
Gm03	11970561	11971552	Gmdrm	hypo	CHH	-0.0576
Gm03	11976606	11977602	Gmdrm	hypo	CHH	-0.0289
Gm03	11978233	11978639	Gmdrm	hypo	CHH	-0.0354
Gm03	11979029	11979998	Gmdrm	hypo	CHH	-0.0343
Gm03	12001431	12002238	Gmdrm	hypo	CHH	-0.1285
Gm03	12010919	12011915	Gmdrm	hypo	CHH	-0.0775
Gm03	12011923	12012891	Gmdrm	hypo	CHH	-0.1013
Gm03	12072003	12072993	Gmdrm	hypo	CHH	-0.045
Gm03	12427414	12428407	Gmdrm	hypo	CHH	-0.0656

Gm03	12446756	12447745	Gmdrm	hypo	CHH	-0.0208
Gm03	12531489	12532478	Gmdrm	hypo	CHH	-0.0252
Gm03	12588687	12589683	Gmdrm	hypo	CHH	-0.0243
Gm03	12589719	12590691	Gmdrm	hypo	CHH	-0.1173
Gm03	12595870	12596851	Gmdrm	hypo	CHH	-0.0244
Gm03	12596872	12597868	Gmdrm	hypo	CHH	-0.0186
Gm03	12639919	12640915	Gmdrm	hypo	CHH	-0.0523
Gm03	12640939	12641896	Gmdrm	hypo	CHH	-0.0249
Gm03	12854260	12854469	Gmdrm	hypo	CHH	-0.1938
Gm03	12872935	12873046	Gmdrm	hypo	CHH	-0.1523
Gm03	12882718	12883133	Gmdrm	hypo	CHH	-0.0784
Gm03	12944331	12945279	Gmdrm	hypo	CHH	-0.0193
Gm03	12975251	12975586	Gmdrm	hypo	CHH	-0.051
Gm03	12990290	12991279	Gmdrm	hypo	CHH	-0.0202
Gm03	12991329	12992329	Gmdrm	hypo	CHH	-0.0581
Gm03	12997069	12998068	Gmdrm	hypo	CHH	-0.0365
Gm03	13137516	13137757	Gmdrm	hypo	CHH	-0.1426
Gm03	13833240	13833407	Gmdrm	hypo	CHH	-0.1826
Gm03	13911375	13912362	Gmdrm	hypo	CHH	-0.0292
Gm03	13912515	13912741	Gmdrm	hypo	CHH	-0.0367
Gm03	14057413	14058384	Gmdrm	hypo	CHH	-0.0172
Gm03	14096639	14097340	Gmdrm	hypo	CHH	-0.2774
Gm03	14110041	14111035	Gmdrm	hypo	CHH	-0.0348
Gm03	14111051	14111729	Gmdrm	hypo	CHH	-0.0792
Gm03	14151318	14152307	Gmdrm	hypo	CHH	-0.0395
Gm03	14152337	14153334	Gmdrm	hypo	CHH	-0.0159
Gm03	14154342	14155340	Gmdrm	hypo	CHH	-0.0887
Gm03	14155345	14155683	Gmdrm	hypo	CHH	-0.0681
Gm03	14158204	14159114	Gmdrm	hypo	CHH	-0.1731
Gm03	14173111	14173690	Gmdrm	hypo	CHH	-0.03
Gm03	14178172	14179135	Gmdrm	hypo	CHH	-0.0536
Gm03	14189524	14190503	Gmdrm	hypo	CHH	-0.02
Gm03	14191563	14192563	Gmdrm	hypo	CHH	-0.1463
Gm03	14192567	14193563	Gmdrm	hypo	CHH	-0.0688
Gm03	14193571	14193756	Gmdrm	hypo	CHH	-0.1111
Gm03	14193946	14194910	Gmdrm	hypo	CHH	-0.0594
Gm03	14224549	14224953	Gmdrm	hypo	CHH	-0.0593
Gm03	14234817	14235814	Gmdrm	hypo	CHH	-0.0507
Gm03	14320961	14321231	Gmdrm	hypo	CHH	-0.0569
Gm03	14326607	14327606	Gmdrm	hypo	CHH	-0.0531
Gm03	14426646	14427635	Gmdrm	hypo	CHH	-0.028
Gm03	14462587	14463578	Gmdrm	hypo	CHH	-0.052
Gm03	14482606	14483605	Gmdrm	hypo	CHH	-0.0472
Gm03	14486777	14487754	Gmdrm	hypo	CHH	-0.0432
Gm03	14517346	14518307	Gmdrm	hypo	CHH	-0.0161
Gm03	14520432	14520707	Gmdrm	hypo	CHH	-0.026

Gm03	14539035	14539902	Gmdrm	hypo	CHH	-0.0556
Gm03	14547175	14548175	Gmdrm	hypo	CHH	-0.074
Gm03	14557260	14558248	Gmdrm	hypo	CHH	-0.0679
Gm03	14558263	14559021	Gmdrm	hypo	CHH	-0.0788
Gm03	14560388	14561383	Gmdrm	hypo	CHH	-0.0194
Gm03	14565434	14566200	Gmdrm	hypo	CHH	-0.0299
Gm03	14566599	14567579	Gmdrm	hypo	CHH	-0.0451
Gm03	14678534	14679532	Gmdrm	hypo	CHH	-0.1332
Gm03	14690591	14691584	Gmdrm	hypo	CHH	-0.0482
Gm03	14696107	14696561	Gmdrm	hypo	CHH	-0.1678
Gm03	14696888	14697115	Gmdrm	hypo	CHH	-0.1084
Gm03	14763394	14764389	Gmdrm	hypo	CHH	-0.0249
Gm03	14987895	14988886	Gmdrm	hypo	CHH	-0.0502
Gm03	15037604	15038593	Gmdrm	hypo	CHH	-0.0125
Gm03	15040638	15041629	Gmdrm	hypo	CHH	-0.059
Gm03	15140922	15141910	Gmdrm	hypo	CHH	-0.0155
Gm03	15144030	15144238	Gmdrm	hypo	CHH	-0.0508
Gm03	15149127	15149832	Gmdrm	hypo	CHH	-0.1289
Gm03	15158648	15159592	Gmdrm	hypo	CHH	-0.0488
Gm03	15167740	15168732	Gmdrm	hypo	CHH	-0.0422
Gm03	15168788	15169776	Gmdrm	hypo	CHH	-0.0354
Gm03	15331029	15331397	Gmdrm	hypo	CHH	-0.0642
Gm03	15331600	15332542	Gmdrm	hypo	CHH	-0.0168
Gm03	15334223	15334672	Gmdrm	hypo	CHH	-0.4276
Gm03	15339601	15340390	Gmdrm	hypo	CHH	-0.0926
Gm03	15346198	15347192	Gmdrm	hypo	CHH	-0.0426
Gm03	15356103	15356897	Gmdrm	hypo	CHH	-0.0327
Gm03	15360057	15361042	Gmdrm	hypo	CHH	-0.0395
Gm03	15361092	15362088	Gmdrm	hypo	CHH	-0.0462
Gm03	15376556	15377524	Gmdrm	hypo	CHH	-0.0391
Gm03	15571445	15571482	Gmdrm	hypo	CHH	-0.06
Gm03	15581123	15581485	Gmdrm	hypo	CHH	-0.0431
Gm03	15584544	15584763	Gmdrm	hypo	CHH	-0.0373
Gm03	15874334	15875076	Gmdrm	hypo	CHH	-0.2659
Gm03	15880757	15881752	Gmdrm	hypo	CHH	-0.0443
Gm03	15903504	15903820	Gmdrm	hypo	CHH	-0.0649
Gm03	15998224	15999224	Gmdrm	hypo	CHH	-0.0507
Gm03	15999234	15999345	Gmdrm	hypo	CHH	-0.086
Gm03	16007432	16007839	Gmdrm	hypo	CHH	-0.0238
Gm03	16168389	16169361	Gmdrm	hypo	CHH	-0.0711
Gm03	16305335	16306326	Gmdrm	hypo	CHH	-0.0626
Gm03	16445510	16446508	Gmdrm	hypo	CHH	-0.0766
Gm03	16446988	16447988	Gmdrm	hypo	CHH	-0.0296
Gm03	16456585	16457128	Gmdrm	hypo	CHH	-0.1042
Gm03	16459488	16460481	Gmdrm	hypo	CHH	-0.0455
Gm03	16462517	16463516	Gmdrm	hypo	CHH	-0.0392

Gm03	16467223	16468218	Gmdrm	hypo	CHH	-0.0449
Gm03	16469275	16470273	Gmdrm	hypo	CHH	-0.0669
Gm03	16472071	16473068	Gmdrm	hypo	CHH	-0.0638
Gm03	16483107	16484098	Gmdrm	hypo	CHH	-0.0171
Gm03	16485192	16486188	Gmdrm	hypo	CHH	-0.0258
Gm03	16486193	16487186	Gmdrm	hypo	CHH	-0.0536
Gm03	16491276	16492259	Gmdrm	hypo	CHH	-0.0255
Gm03	16495305	16496292	Gmdrm	hypo	CHH	-0.0791
Gm03	16506076	16507070	Gmdrm	hypo	CHH	-0.0513
Gm03	16518146	16519143	Gmdrm	hypo	CHH	-0.0918
Gm03	16519147	16520145	Gmdrm	hypo	CHH	-0.0676
Gm03	16520155	16520882	Gmdrm	hypo	CHH	-0.0741
Gm03	16524117	16524700	Gmdrm	hypo	CHH	-0.0247
Gm03	16539511	16540507	Gmdrm	hypo	CHH	-0.0623
Gm03	16540526	16541487	Gmdrm	hypo	CHH	-0.0647
Gm03	16541583	16541956	Gmdrm	hypo	CHH	-0.0989
Gm03	16542120	16543105	Gmdrm	hypo	CHH	-0.045
Gm03	16551057	16552045	Gmdrm	hypo	CHH	-0.0527
Gm03	16552064	16553064	Gmdrm	hypo	CHH	-0.0464
Gm03	16554444	16555438	Gmdrm	hypo	CHH	-0.04
Gm03	16565895	16566110	Gmdrm	hypo	CHH	-0.078
Gm03	16570534	16571484	Gmdrm	hypo	CHH	-0.0146
Gm03	16584691	16585682	Gmdrm	hypo	CHH	-0.0389
Gm03	16585706	16586706	Gmdrm	hypo	CHH	-0.0399
Gm03	16611247	16612236	Gmdrm	hypo	CHH	-0.0467
Gm03	16617565	16618552	Gmdrm	hypo	CHH	-0.0331
Gm03	16635558	16636384	Gmdrm	hypo	CHH	-0.0329
Gm03	16640434	16641424	Gmdrm	hypo	CHH	-0.0123
Gm03	16678799	16679275	Gmdrm	hypo	CHH	-0.052
Gm03	16680434	16681422	Gmdrm	hypo	CHH	-0.1209
Gm03	16732924	16733888	Gmdrm	hypo	CHH	-0.0216
Gm03	16739245	16740244	Gmdrm	hypo	CHH	-0.0372
Gm03	16740247	16741093	Gmdrm	hypo	CHH	-0.181
Gm03	16742005	16742996	Gmdrm	hypo	CHH	-0.083
Gm03	16772764	16773138	Gmdrm	hypo	CHH	-0.0396
Gm03	16786856	16787855	Gmdrm	hypo	CHH	-0.0616
Gm03	16795929	16796921	Gmdrm	hypo	CHH	-0.0393
Gm03	16805834	16806828	Gmdrm	hypo	CHH	-0.0148
Gm03	16808801	16809793	Gmdrm	hypo	CHH	-0.2146
Gm03	16809802	16810798	Gmdrm	hypo	CHH	-0.0422
Gm03	16810806	16811182	Gmdrm	hypo	CHH	-0.0979
Gm03	16827902	16828894	Gmdrm	hypo	CHH	-0.0757
Gm03	16829909	16830851	Gmdrm	hypo	CHH	-0.0206
Gm03	16902803	16903277	Gmdrm	hypo	CHH	-0.0339
Gm03	17030993	17031984	Gmdrm	hypo	CHH	-0.0437
Gm03	17034300	17035299	Gmdrm	hypo	CHH	-0.0387

Gm03	17044138	17044973	Gmdrm	hypo	CHH	-0.0285
Gm03	17049468	17050468	Gmdrm	hypo	CHH	-0.0403
Gm03	17050472	17051465	Gmdrm	hypo	CHH	-0.0767
Gm03	17051748	17052694	Gmdrm	hypo	CHH	-0.0842
Gm03	17052762	17052879	Gmdrm	hypo	CHH	-0.0751
Gm03	17072116	17073093	Gmdrm	hypo	CHH	-0.0262
Gm03	17073161	17074149	Gmdrm	hypo	CHH	-0.0489
Gm03	17090361	17091095	Gmdrm	hypo	CHH	-0.0373
Gm03	17093297	17094296	Gmdrm	hypo	CHH	-0.0372
Gm03	17104321	17105319	Gmdrm	hypo	CHH	-0.0802
Gm03	17117418	17118414	Gmdrm	hypo	CHH	-0.1866
Gm03	17118896	17119819	Gmdrm	hypo	CHH	-0.0977
Gm03	17171815	17171975	Gmdrm	hypo	CHH	-0.0375
Gm03	17172125	17173108	Gmdrm	hypo	CHH	-0.0187
Gm03	17323562	17324518	Gmdrm	hypo	CHH	-0.0657
Gm03	17324581	17325552	Gmdrm	hypo	CHH	-0.0145
Gm03	17326822	17327816	Gmdrm	hypo	CHH	-0.041
Gm03	17334919	17335555	Gmdrm	hypo	CHH	-0.0483
Gm03	17431353	17431374	Gmdrm	hypo	CHH	-0.0864
Gm03	17435548	17436522	Gmdrm	hypo	CHH	-0.032
Gm03	17439536	17440524	Gmdrm	hypo	CHH	-0.0675
Gm03	17440549	17441538	Gmdrm	hypo	CHH	-0.0302
Gm03	17441603	17442595	Gmdrm	hypo	CHH	-0.0308
Gm03	17469292	17470166	Gmdrm	hypo	CHH	-0.0396
Gm03	17487950	17488699	Gmdrm	hypo	CHH	-0.0334
Gm03	17490819	17491771	Gmdrm	hypo	CHH	-0.119
Gm03	17522334	17523281	Gmdrm	hypo	CHH	-0.0135
Gm03	17528090	17529088	Gmdrm	hypo	CHH	-0.2458
Gm03	17534564	17535548	Gmdrm	hypo	CHH	-0.0274
Gm03	17538868	17539713	Gmdrm	hypo	CHH	-0.19
Gm03	17542485	17542960	Gmdrm	hypo	CHH	-0.0485
Gm03	17544136	17545134	Gmdrm	hypo	CHH	-0.0481
Gm03	17568328	17568659	Gmdrm	hypo	CHH	-0.0693
Gm03	17573365	17574358	Gmdrm	hypo	CHH	-0.0842
Gm03	17574379	17575372	Gmdrm	hypo	CHH	-0.0533
Gm03	17575387	17576386	Gmdrm	hypo	CHH	-0.0316
Gm03	17576391	17577388	Gmdrm	hypo	CHH	-0.0563
Gm03	17587154	17588142	Gmdrm	hypo	CHH	-0.0434
Gm03	17588184	17589184	Gmdrm	hypo	CHH	-0.041
Gm03	17621715	17622006	Gmdrm	hypo	CHH	-0.0423
Gm03	17623797	17624797	Gmdrm	hypo	CHH	-0.0511
Gm03	17630815	17631807	Gmdrm	hypo	CHH	-0.0381
Gm03	17634134	17634959	Gmdrm	hypo	CHH	-0.0461
Gm03	17636890	17637888	Gmdrm	hypo	CHH	-0.0344
Gm03	17637892	17638892	Gmdrm	hypo	CHH	-0.0664
Gm03	17638894	17639884	Gmdrm	hypo	CHH	-0.0353

Gm03	17655428	17655972	Gmdrm	hypo	CHH	-0.0156
Gm03	17659032	17659878	Gmdrm	hypo	CHH	-0.1058
Gm03	17660017	17660207	Gmdrm	hypo	CHH	-0.07
Gm03	17660461	17660947	Gmdrm	hypo	CHH	-0.0664
Gm03	17665408	17666407	Gmdrm	hypo	CHH	-0.0487
Gm03	17666997	17667991	Gmdrm	hypo	CHH	-0.1403
Gm03	17669438	17669584	Gmdrm	hypo	CHH	-0.075
Gm03	17672740	17673654	Gmdrm	hypo	CHH	-0.043
Gm03	17683023	17683133	Gmdrm	hypo	CHH	-0.3843
Gm03	17686401	17687154	Gmdrm	hypo	CHH	-0.1116
Gm03	17687294	17687937	Gmdrm	hypo	CHH	-0.1147
Gm03	17690304	17691264	Gmdrm	hypo	CHH	-0.0562
Gm03	17698055	17698925	Gmdrm	hypo	CHH	-0.0435
Gm03	17699058	17699710	Gmdrm	hypo	CHH	-0.0244
Gm03	17721977	17722920	Gmdrm	hypo	CHH	-0.1919
Gm03	17723323	17724045	Gmdrm	hypo	CHH	-0.0219
Gm03	17733452	17733472	Gmdrm	hypo	CHH	-0.0457
Gm03	17737816	17738395	Gmdrm	hypo	CHH	-0.0712
Gm03	17741901	17741985	Gmdrm	hypo	CHH	-0.0357
Gm03	17744367	17744805	Gmdrm	hypo	CHH	-0.036
Gm03	17745993	17746993	Gmdrm	hypo	CHH	-0.0429
Gm03	17747382	17748252	Gmdrm	hypo	CHH	-0.0622
Gm03	17783159	17784157	Gmdrm	hypo	CHH	-0.0524
Gm03	17785276	17785447	Gmdrm	hypo	CHH	-0.0627
Gm03	17785579	17786547	Gmdrm	hypo	CHH	-0.0591
Gm03	17797010	17798003	Gmdrm	hypo	CHH	-0.0562
Gm03	17798014	17798795	Gmdrm	hypo	CHH	-0.1204
Gm03	17801138	17801594	Gmdrm	hypo	CHH	-0.0616
Gm03	17802122	17803119	Gmdrm	hypo	CHH	-0.1234
Gm03	17825176	17826175	Gmdrm	hypo	CHH	-0.0162
Gm03	17889828	17890620	Gmdrm	hypo	CHH	-0.0786
Gm03	17903390	17904384	Gmdrm	hypo	CHH	-0.0402
Gm03	17932384	17933357	Gmdrm	hypo	CHH	-0.0624
Gm03	17937242	17938240	Gmdrm	hypo	CHH	-0.0203
Gm03	17939272	17940270	Gmdrm	hypo	CHH	-0.0295
Gm03	17974924	17975150	Gmdrm	hypo	CHH	-0.0656
Gm03	17983286	17984273	Gmdrm	hypo	CHH	-0.1222
Gm03	18047060	18047306	Gmdrm	hypo	CHH	-0.0385
Gm03	18047412	18047515	Gmdrm	hypo	CHH	-0.1176
Gm03	18071657	18072204	Gmdrm	hypo	CHH	-0.0617
Gm03	18098377	18098393	Gmdrm	hypo	CHH	-0.295
Gm03	18368723	18369699	Gmdrm	hypo	CHH	-0.0402
Gm03	18369732	18370727	Gmdrm	hypo	CHH	-0.0372
Gm03	18375854	18375974	Gmdrm	hypo	CHH	-0.3462
Gm03	18682206	18683202	Gmdrm	hypo	CHH	-0.0386
Gm03	18683227	18683625	Gmdrm	hypo	CHH	-0.0449

Gm03	18723286	18724279	Gmdrm	hypo	CHH	-0.0526
Gm03	18728869	18729302	Gmdrm	hypo	CHH	-0.0589
Gm03	18769078	18770052	Gmdrm	hypo	CHH	-0.1753
Gm03	18772608	18773596	Gmdrm	hypo	CHH	-0.0508
Gm03	18775617	18776490	Gmdrm	hypo	CHH	-0.0476
Gm03	18784057	18785047	Gmdrm	hypo	CHH	-0.0192
Gm03	18800569	18801451	Gmdrm	hypo	CHH	-0.0144
Gm03	18843068	18843466	Gmdrm	hypo	CHH	-0.0828
Gm03	18846494	18847123	Gmdrm	hypo	CHH	-0.0687
Gm03	18847258	18847726	Gmdrm	hypo	CHH	-0.0487
Gm03	18847913	18848544	Gmdrm	hypo	CHH	-0.0506
Gm03	18850490	18851483	Gmdrm	hypo	CHH	-0.0221
Gm03	18851491	18852480	Gmdrm	hypo	CHH	-0.0626
Gm03	18859775	18860775	Gmdrm	hypo	CHH	-0.1363
Gm03	19161382	19161433	Gmdrm	hypo	CHH	-0.4557
Gm03	19329761	19330757	Gmdrm	hypo	CHH	-0.0244
Gm03	19372154	19373145	Gmdrm	hypo	CHH	-0.0499
Gm03	19411223	19411616	Gmdrm	hypo	CHH	-0.0345
Gm03	19411750	19412734	Gmdrm	hypo	CHH	-0.0149
Gm03	19413779	19414084	Gmdrm	hypo	CHH	-0.0509
Gm03	19481622	19481935	Gmdrm	hypo	CHH	-0.1368
Gm03	19492651	19492998	Gmdrm	hypo	CHH	-0.0571
Gm03	19504478	19505477	Gmdrm	hypo	CHH	-0.0486
Gm03	19543642	19544642	Gmdrm	hypo	CHH	-0.0234
Gm03	19558283	19559244	Gmdrm	hypo	CHH	-0.0509
Gm03	19565072	19565856	Gmdrm	hypo	CHH	-0.0856
Gm03	19568192	19569187	Gmdrm	hypo	CHH	-0.0707
Gm03	19570200	19571193	Gmdrm	hypo	CHH	-0.0397
Gm03	19571257	19572250	Gmdrm	hypo	CHH	-0.0531
Gm03	19590429	19591413	Gmdrm	hypo	CHH	-0.0339
Gm03	19598983	19599198	Gmdrm	hypo	CHH	-0.0689
Gm03	19663378	19664357	Gmdrm	hypo	CHH	-0.058
Gm03	19672418	19673400	Gmdrm	hypo	CHH	-0.0548
Gm03	19673435	19674428	Gmdrm	hypo	CHH	-0.0362
Gm03	19674436	19675431	Gmdrm	hypo	CHH	-0.0901
Gm03	19675438	19675883	Gmdrm	hypo	CHH	-0.0895
Gm03	19676342	19677338	Gmdrm	hypo	CHH	-0.0353
Gm03	19682364	19682721	Gmdrm	hypo	CHH	-0.0359
Gm03	19702259	19702775	Gmdrm	hypo	CHH	-0.1412
Gm03	19704772	19705336	Gmdrm	hypo	CHH	-0.0251
Gm03	19705457	19706436	Gmdrm	hypo	CHH	-0.1046
Gm03	19712118	19713110	Gmdrm	hypo	CHH	-0.0663
Gm03	19713121	19714113	Gmdrm	hypo	CHH	-0.044
Gm03	19738155	19739149	Gmdrm	hypo	CHH	-0.0317
Gm03	19750574	19750758	Gmdrm	hypo	CHH	-0.0425
Gm03	19757936	19758932	Gmdrm	hypo	CHH	-0.0601

Gm03	19771146	19772145	Gmdrm	hypo	CHH	-0.0241
Gm03	19772154	19773125	Gmdrm	hypo	CHH	-0.0699
Gm03	19776856	19777082	Gmdrm	hypo	CHH	-0.031
Gm03	19779537	19780528	Gmdrm	hypo	CHH	-0.0313
Gm03	19780542	19781525	Gmdrm	hypo	CHH	-0.015
Gm03	19782301	19783296	Gmdrm	hypo	CHH	-0.0618
Gm03	19783304	19784298	Gmdrm	hypo	CHH	-0.0179
Gm03	19784578	19785578	Gmdrm	hypo	CHH	-0.1341
Gm03	19785580	19786555	Gmdrm	hypo	CHH	-0.0636
Gm03	19788130	19788511	Gmdrm	hypo	CHH	-0.0372
Gm03	19793562	19794239	Gmdrm	hypo	CHH	-0.0204
Gm03	19795698	19796693	Gmdrm	hypo	CHH	-0.0527
Gm03	19797146	19797978	Gmdrm	hypo	CHH	-0.056
Gm03	19798093	19799061	Gmdrm	hypo	CHH	-0.076
Gm03	19799096	19799274	Gmdrm	hypo	CHH	-0.1797
Gm03	19801382	19802354	Gmdrm	hypo	CHH	-0.0708
Gm03	19805464	19806437	Gmdrm	hypo	CHH	-0.0719
Gm03	19811976	19812962	Gmdrm	hypo	CHH	-0.0214
Gm03	19823330	19823363	Gmdrm	hypo	CHH	-0.0983
Gm03	19873932	19874927	Gmdrm	hypo	CHH	-0.0562
Gm03	19879009	19880003	Gmdrm	hypo	CHH	-0.0316
Gm03	19890014	19890985	Gmdrm	hypo	CHH	-0.0546
Gm03	19891029	19892024	Gmdrm	hypo	CHH	-0.0327
Gm03	20020255	20021245	Gmdrm	hypo	CHH	-0.032
Gm03	20029782	20030763	Gmdrm	hypo	CHH	-0.1629
Gm03	20031806	20032800	Gmdrm	hypo	CHH	-0.0136
Gm03	20035289	20035632	Gmdrm	hypo	CHH	-0.04
Gm03	20035742	20036735	Gmdrm	hypo	CHH	-0.0188
Gm03	20036744	20037725	Gmdrm	hypo	CHH	-0.0863
Gm03	20038752	20039398	Gmdrm	hypo	CHH	-0.0363
Gm03	20039734	20040720	Gmdrm	hypo	CHH	-0.1312
Gm03	20040748	20041324	Gmdrm	hypo	CHH	-0.0266
Gm03	20042459	20043440	Gmdrm	hypo	CHH	-0.025
Gm03	20106753	20107753	Gmdrm	hypo	CHH	-0.0857
Gm03	20108193	20109147	Gmdrm	hypo	CHH	-0.0311
Gm03	20155615	20156615	Gmdrm	hypo	CHH	-0.0685
Gm03	20162677	20163671	Gmdrm	hypo	CHH	-0.0263
Gm03	20171894	20172579	Gmdrm	hypo	CHH	-0.2265
Gm03	20194425	20195385	Gmdrm	hypo	CHH	-0.0643
Gm03	20201835	20202050	Gmdrm	hypo	CHH	-0.0542
Gm03	20208373	20209342	Gmdrm	hypo	CHH	-0.0269
Gm03	20209405	20210395	Gmdrm	hypo	CHH	-0.021
Gm03	20220396	20220973	Gmdrm	hypo	CHH	-0.0303
Gm03	20225989	20226985	Gmdrm	hypo	CHH	-0.0221
Gm03	20274871	20275871	Gmdrm	hypo	CHH	-0.0236
Gm03	20360930	20361929	Gmdrm	hypo	CHH	-0.0345

Gm03	20361931	20362927	Gmdrm	hypo	CHH	-0.0208
Gm03	20362966	20363579	Gmdrm	hypo	CHH	-0.0371
Gm03	20377005	20378004	Gmdrm	hypo	CHH	-0.0132
Gm03	20381531	20382530	Gmdrm	hypo	CHH	-0.0799
Gm03	20392236	20393232	Gmdrm	hypo	CHH	-0.0791
Gm03	20393237	20394235	Gmdrm	hypo	CHH	-0.0968
Gm03	20413473	20414469	Gmdrm	hypo	CHH	-0.0486
Gm03	20414476	20415166	Gmdrm	hypo	CHH	-0.068
Gm03	20418363	20419357	Gmdrm	hypo	CHH	-0.0607
Gm03	20419370	20420370	Gmdrm	hypo	CHH	-0.0532
Gm03	20420374	20421267	Gmdrm	hypo	CHH	-0.0332
Gm03	20422557	20423194	Gmdrm	hypo	CHH	-0.0319
Gm03	20430122	20431108	Gmdrm	hypo	CHH	-0.0512
Gm03	20460257	20461254	Gmdrm	hypo	CHH	-0.0373
Gm03	20524740	20525709	Gmdrm	hypo	CHH	-0.041
Gm03	20526794	20527790	Gmdrm	hypo	CHH	-0.1228
Gm03	20527796	20528733	Gmdrm	hypo	CHH	-0.0475
Gm03	20550022	20551022	Gmdrm	hypo	CHH	-0.2172
Gm03	20573716	20574659	Gmdrm	hypo	CHH	-0.0277
Gm03	20578088	20579088	Gmdrm	hypo	CHH	-0.026
Gm03	20598237	20599237	Gmdrm	hypo	CHH	-0.0384
Gm03	20600882	20601775	Gmdrm	hypo	CHH	-0.0188
Gm03	20605905	20606905	Gmdrm	hypo	CHH	-0.0809
Gm03	20606911	20607910	Gmdrm	hypo	CHH	-0.1668
Gm03	20607916	20608906	Gmdrm	hypo	CHH	-0.1759
Gm03	20627037	20627146	Gmdrm	hypo	CHH	-0.104
Gm03	20744957	20745372	Gmdrm	hypo	CHH	-0.0209
Gm03	20745497	20746480	Gmdrm	hypo	CHH	-0.1454
Gm03	20771677	20772194	Gmdrm	hypo	CHH	-0.0474
Gm03	20773377	20774375	Gmdrm	hypo	CHH	-0.1018
Gm03	20776503	20777497	Gmdrm	hypo	CHH	-0.0218
Gm03	20830040	20831040	Gmdrm	hypo	CHH	-0.0168
Gm03	20832057	20833023	Gmdrm	hypo	CHH	-0.0129
Gm03	20837357	20838314	Gmdrm	hypo	CHH	-0.1157
Gm03	20841430	20842424	Gmdrm	hypo	CHH	-0.013
Gm03	20856535	20857225	Gmdrm	hypo	CHH	-0.08
Gm03	20857389	20858144	Gmdrm	hypo	CHH	-0.0622
Gm03	20862601	20862760	Gmdrm	hypo	CHH	-0.127
Gm03	20866554	20867549	Gmdrm	hypo	CHH	-0.0461
Gm03	20898145	20899144	Gmdrm	hypo	CHH	-0.2114
Gm03	20899147	20900106	Gmdrm	hypo	CHH	-0.1049
Gm03	20900191	20900511	Gmdrm	hypo	CHH	-0.0195
Gm03	20915929	20916923	Gmdrm	hypo	CHH	-0.0485
Gm03	20919724	20920560	Gmdrm	hypo	CHH	-0.0223
Gm03	20920732	20921728	Gmdrm	hypo	CHH	-0.3135
Gm03	20957931	20958930	Gmdrm	hypo	CHH	-0.0593

Gm03	20958933	20959928	Gmdrm	hypo	CHH	-0.0952
Gm03	20983674	20984673	Gmdrm	hypo	CHH	-0.0602
Gm03	21020410	21020553	Gmdrm	hypo	CHH	-0.1032
Gm03	21243442	21244410	Gmdrm	hypo	CHH	-0.0175
Gm03	21244482	21245445	Gmdrm	hypo	CHH	-0.0271
Gm03	21246821	21247816	Gmdrm	hypo	CHH	-0.1461
Gm03	21247824	21248824	Gmdrm	hypo	CHH	-0.1198
Gm03	21261073	21262062	Gmdrm	hypo	CHH	-0.2186
Gm03	21280638	21281634	Gmdrm	hypo	CHH	-0.0663
Gm03	21363053	21364053	Gmdrm	hypo	CHH	-0.0348
Gm03	21420841	21421822	Gmdrm	hypo	CHH	-0.0281
Gm03	21425863	21426851	Gmdrm	hypo	CHH	-0.0405
Gm03	21594697	21595697	Gmdrm	hypo	CHH	-0.1031
Gm03	22048113	22048175	Gmdrm	hypo	CHH	-0.2283
Gm03	22116284	22117282	Gmdrm	hypo	CHH	-0.0441
Gm03	22118133	22119104	Gmdrm	hypo	CHH	-0.0497
Gm03	22125224	22125652	Gmdrm	hypo	CHH	-0.0518
Gm03	22132180	22133180	Gmdrm	hypo	CHH	-0.0276
Gm03	22134300	22135300	Gmdrm	hypo	CHH	-0.0724
Gm03	22136800	22137798	Gmdrm	hypo	CHH	-0.0523
Gm03	22303070	22304052	Gmdrm	hypo	CHH	-0.0232
Gm03	22305508	22306194	Gmdrm	hypo	CHH	-0.0467
Gm03	22323313	22324305	Gmdrm	hypo	CHH	-0.0345
Gm03	22328195	22328631	Gmdrm	hypo	CHH	-0.1176
Gm03	22480350	22481326	Gmdrm	hypo	CHH	-0.0249
Gm03	22481956	22482926	Gmdrm	hypo	CHH	-0.0307
Gm03	22487828	22488685	Gmdrm	hypo	CHH	-0.0355
Gm03	22693942	22693967	Gmdrm	hypo	CHH	-0.0933
Gm03	22722494	22723488	Gmdrm	hypo	CHH	-0.0555
Gm03	22723497	22724451	Gmdrm	hypo	CHH	-0.1392
Gm03	22727196	22727841	Gmdrm	hypo	CHH	-0.0281
Gm03	22947916	22948005	Gmdrm	hypo	CHH	-0.2014
Gm03	22980310	22980938	Gmdrm	hypo	CHH	-0.115
Gm03	22981333	22982321	Gmdrm	hypo	CHH	-0.0336
Gm03	23005519	23006492	Gmdrm	hypo	CHH	-0.0445
Gm03	23039608	23040584	Gmdrm	hypo	CHH	-0.029
Gm03	23041629	23042628	Gmdrm	hypo	CHH	-0.043
Gm03	23042630	23043099	Gmdrm	hypo	CHH	-0.0672
Gm03	23043215	23044013	Gmdrm	hypo	CHH	-0.037
Gm03	23049953	23050943	Gmdrm	hypo	CHH	-0.0238
Gm03	23085432	23086414	Gmdrm	hypo	CHH	-0.0471
Gm03	23091478	23092364	Gmdrm	hypo	CHH	-0.025
Gm03	23093558	23094542	Gmdrm	hypo	CHH	-0.0183
Gm03	23101942	23102935	Gmdrm	hypo	CHH	-0.034
Gm03	23120970	23121967	Gmdrm	hypo	CHH	-0.0231
Gm03	23165856	23166849	Gmdrm	hypo	CHH	-0.043

Gm03	23179761	23179965	Gmdrm	hypo	CHH	-0.086
Gm03	23189596	23190596	Gmdrm	hypo	CHH	-0.0321
Gm03	23190598	23191597	Gmdrm	hypo	CHH	-0.0536
Gm03	23192607	23192830	Gmdrm	hypo	CHH	-0.1133
Gm03	23224497	23225481	Gmdrm	hypo	CHH	-0.0272
Gm03	23476530	23477505	Gmdrm	hypo	CHH	-0.0997
Gm03	23481620	23482620	Gmdrm	hypo	CHH	-0.0697
Gm03	23485176	23486174	Gmdrm	hypo	CHH	-0.0593
Gm03	23561127	23562109	Gmdrm	hypo	CHH	-0.1376
Gm03	23566171	23567153	Gmdrm	hypo	CHH	-0.0195
Gm03	23568199	23569170	Gmdrm	hypo	CHH	-0.1936
Gm03	23570358	23571353	Gmdrm	hypo	CHH	-0.0702
Gm03	23571359	23572354	Gmdrm	hypo	CHH	-0.0793
Gm03	23584165	23584201	Gmdrm	hypo	CHH	-0.23
Gm03	23588004	23588929	Gmdrm	hypo	CHH	-0.0342
Gm03	23653781	23654770	Gmdrm	hypo	CHH	-0.0661
Gm03	23772434	23772944	Gmdrm	hypo	CHH	-0.0764
Gm03	23782597	23782918	Gmdrm	hypo	CHH	-0.0873
Gm03	23931897	23931909	Gmdrm	hypo	CHH	-0.12
Gm03	23948036	23949032	Gmdrm	hypo	CHH	-0.0259
Gm03	23998562	23999549	Gmdrm	hypo	CHH	-0.0716
Gm03	24005238	24006209	Gmdrm	hypo	CHH	-0.0124
Gm03	24036970	24037969	Gmdrm	hypo	CHH	-0.0444
Gm03	24037976	24038964	Gmdrm	hypo	CHH	-0.0541
Gm03	24056742	24057729	Gmdrm	hypo	CHH	-0.0131
Gm03	24192179	24192670	Gmdrm	hypo	CHH	-0.0293
Gm03	24197248	24197574	Gmdrm	hypo	CHH	-0.0312
Gm03	24201203	24202200	Gmdrm	hypo	CHH	-0.0573
Gm03	24225818	24226817	Gmdrm	hypo	CHH	-0.1453
Gm03	24226819	24227806	Gmdrm	hypo	CHH	-0.0409
Gm03	24241133	24242125	Gmdrm	hypo	CHH	-0.0125
Gm03	24258918	24258984	Gmdrm	hypo	CHH	-0.1014
Gm03	24259985	24260981	Gmdrm	hypo	CHH	-0.1047
Gm03	24313713	24314710	Gmdrm	hypo	CHH	-0.0752
Gm03	24314716	24315387	Gmdrm	hypo	CHH	-0.0708
Gm03	24329995	24330992	Gmdrm	hypo	CHH	-0.0527
Gm03	24331000	24331984	Gmdrm	hypo	CHH	-0.0557
Gm03	24345723	24346715	Gmdrm	hypo	CHH	-0.1079
Gm03	24346724	24347721	Gmdrm	hypo	CHH	-0.1082
Gm03	24347725	24348708	Gmdrm	hypo	CHH	-0.0603
Gm03	24352821	24353821	Gmdrm	hypo	CHH	-0.0152
Gm03	24360952	24361952	Gmdrm	hypo	CHH	-0.2054
Gm03	24361953	24362234	Gmdrm	hypo	CHH	-0.3885
Gm03	24375715	24376709	Gmdrm	hypo	CHH	-0.0343
Gm03	24441886	24442884	Gmdrm	hypo	CHH	-0.025
Gm03	24450436	24451425	Gmdrm	hypo	CHH	-0.0969

Gm03	24451438	24452384	Gmdrm	hypo	CHH	-0.0566
Gm03	24505674	24506660	Gmdrm	hypo	CHH	-0.0567
Gm03	24506680	24507661	Gmdrm	hypo	CHH	-0.0585
Gm03	24509742	24510735	Gmdrm	hypo	CHH	-0.0153
Gm03	24552938	24553158	Gmdrm	hypo	CHH	-0.09
Gm03	24565912	24566890	Gmdrm	hypo	CHH	-0.0261
Gm03	24567950	24568344	Gmdrm	hypo	CHH	-0.0241
Gm03	24596310	24597310	Gmdrm	hypo	CHH	-0.0327
Gm03	24597318	24598314	Gmdrm	hypo	CHH	-0.0417
Gm03	24598323	24599320	Gmdrm	hypo	CHH	-0.0597
Gm03	24600553	24601475	Gmdrm	hypo	CHH	-0.087
Gm03	24601570	24602076	Gmdrm	hypo	CHH	-0.0876
Gm03	24649253	24650250	Gmdrm	hypo	CHH	-0.0664
Gm03	24650258	24651249	Gmdrm	hypo	CHH	-0.096
Gm03	24657715	24658710	Gmdrm	hypo	CHH	-0.2794
Gm03	24658719	24659698	Gmdrm	hypo	CHH	-0.0884
Gm03	24659720	24660707	Gmdrm	hypo	CHH	-0.0555
Gm03	24660742	24661726	Gmdrm	hypo	CHH	-0.0177
Gm03	24661749	24662744	Gmdrm	hypo	CHH	-0.036
Gm03	24910355	24911330	Gmdrm	hypo	CHH	-0.0619
Gm03	24922170	24922997	Gmdrm	hypo	CHH	-0.0174
Gm03	24959589	24960563	Gmdrm	hypo	CHH	-0.0118
Gm03	24969493	24970480	Gmdrm	hypo	CHH	-0.0497
Gm03	24970507	24971507	Gmdrm	hypo	CHH	-0.0904
Gm03	25110293	25111282	Gmdrm	hypo	CHH	-0.037
Gm03	25113797	25114796	Gmdrm	hypo	CHH	-0.0323
Gm03	25168013	25169013	Gmdrm	hypo	CHH	-0.0446
Gm03	25174098	25174221	Gmdrm	hypo	CHH	-0.094
Gm03	25174414	25175370	Gmdrm	hypo	CHH	-0.0216
Gm03	25176649	25177645	Gmdrm	hypo	CHH	-0.1922
Gm03	25177654	25178644	Gmdrm	hypo	CHH	-0.0872
Gm03	25179672	25180630	Gmdrm	hypo	CHH	-0.0243
Gm03	25208010	25209009	Gmdrm	hypo	CHH	-0.0455
Gm03	25216871	25217816	Gmdrm	hypo	CHH	-0.0224
Gm03	25301257	25301425	Gmdrm	hypo	CHH	-0.1076
Gm03	25302569	25302842	Gmdrm	hypo	CHH	-0.1707
Gm03	25395235	25396203	Gmdrm	hypo	CHH	-0.0344
Gm03	25398066	25399038	Gmdrm	hypo	CHH	-0.017
Gm03	25563272	25563354	Gmdrm	hypo	CHH	-0.092
Gm03	25608263	25609223	Gmdrm	hypo	CHH	-0.027
Gm03	25682841	25683831	Gmdrm	hypo	CHH	-0.0208
Gm03	25686075	25686549	Gmdrm	hypo	CHH	-0.023
Gm03	25715503	25716473	Gmdrm	hypo	CHH	-0.0302
Gm03	25716526	25717526	Gmdrm	hypo	CHH	-0.0164
Gm03	25717534	25718401	Gmdrm	hypo	CHH	-0.027
Gm03	25789033	25790027	Gmdrm	hypo	CHH	-0.0375

Gm03	25791079	25791699	Gmdrm	hypo	CHH	-0.1984
Gm03	25809934	25810928	Gmdrm	hypo	CHH	-0.0248
Gm03	25810949	25811947	Gmdrm	hypo	CHH	-0.0396
Gm03	25817521	25818521	Gmdrm	hypo	CHH	-0.0391
Gm03	25825449	25825684	Gmdrm	hypo	CHH	-0.0237
Gm03	26009817	26010798	Gmdrm	hypo	CHH	-0.0198
Gm03	26014856	26015848	Gmdrm	hypo	CHH	-0.0132
Gm03	26015903	26016889	Gmdrm	hypo	CHH	-0.0198
Gm03	26018195	26019149	Gmdrm	hypo	CHH	-0.029
Gm03	26021905	26022896	Gmdrm	hypo	CHH	-0.027
Gm03	26191607	26191713	Gmdrm	hypo	CHH	-0.1
Gm03	26222056	26222073	Gmdrm	hypo	CHH	-0.212
Gm03	26314273	26315271	Gmdrm	hypo	CHH	-0.023
Gm03	26315278	26316278	Gmdrm	hypo	CHH	-0.0628
Gm03	26402791	26403769	Gmdrm	hypo	CHH	-0.0185
Gm03	26403798	26404798	Gmdrm	hypo	CHH	-0.0134
Gm03	26476442	26477404	Gmdrm	hypo	CHH	-0.1774
Gm03	26484074	26485048	Gmdrm	hypo	CHH	-0.0196
Gm03	26486091	26487074	Gmdrm	hypo	CHH	-0.0268
Gm03	26489195	26490185	Gmdrm	hypo	CHH	-0.0177
Gm03	26508135	26509117	Gmdrm	hypo	CHH	-0.029
Gm03	26509146	26510138	Gmdrm	hypo	CHH	-0.0141
Gm03	26510160	26511154	Gmdrm	hypo	CHH	-0.0452
Gm03	26525171	26526131	Gmdrm	hypo	CHH	-0.3571
Gm03	26566310	26567309	Gmdrm	hypo	CHH	-0.0711
Gm03	26567312	26568307	Gmdrm	hypo	CHH	-0.032
Gm03	26568352	26568630	Gmdrm	hypo	CHH	-0.0383
Gm03	26574566	26575543	Gmdrm	hypo	CHH	-0.0644
Gm03	26575892	26576100	Gmdrm	hypo	CHH	-0.0874
Gm03	26656713	26656848	Gmdrm	hypo	CHH	-0.1033
Gm03	26656956	26657018	Gmdrm	hypo	CHH	-0.1533
Gm03	26673699	26674071	Gmdrm	hypo	CHH	-0.0905
Gm03	26707288	26708271	Gmdrm	hypo	CHH	-0.0181
Gm03	26708317	26709313	Gmdrm	hypo	CHH	-0.0544
Gm03	26724307	26725298	Gmdrm	hypo	CHH	-0.052
Gm03	26725319	26725808	Gmdrm	hypo	CHH	-0.0865
Gm03	26733373	26734360	Gmdrm	hypo	CHH	-0.2702
Gm03	26766761	26767090	Gmdrm	hypo	CHH	-0.0628
Gm03	26772426	26773422	Gmdrm	hypo	CHH	-0.0378
Gm03	26776448	26777398	Gmdrm	hypo	CHH	-0.0148
Gm03	26778472	26778814	Gmdrm	hypo	CHH	-0.045
Gm03	26783629	26784624	Gmdrm	hypo	CHH	-0.2101
Gm03	26784632	26785616	Gmdrm	hypo	CHH	-0.2665
Gm03	26785633	26786594	Gmdrm	hypo	CHH	-0.0797
Gm03	26786846	26787222	Gmdrm	hypo	CHH	-0.1745
Gm03	26866271	26866724	Gmdrm	hypo	CHH	-0.023

Gm03	26891965	26892962	Gmdrm	hypo	CHH	-0.0811
Gm03	26918968	26919959	Gmdrm	hypo	CHH	-0.0171
Gm03	26920734	26921734	Gmdrm	hypo	CHH	-0.0198
Gm03	27113355	27113461	Gmdrm	hypo	CHH	-0.0683
Gm03	27144667	27145667	Gmdrm	hypo	CHH	-0.0173
Gm03	27158788	27159152	Gmdrm	hypo	CHH	-0.0729
Gm03	27187318	27188313	Gmdrm	hypo	CHH	-0.0328
Gm03	27199985	27200948	Gmdrm	hypo	CHH	-0.0915
Gm03	27219218	27220201	Gmdrm	hypo	CHH	-0.0422
Gm03	27243471	27244448	Gmdrm	hypo	CHH	-0.0177
Gm03	27246163	27247159	Gmdrm	hypo	CHH	-0.0598
Gm03	27247165	27248150	Gmdrm	hypo	CHH	-0.0461
Gm03	27249136	27250107	Gmdrm	hypo	CHH	-0.2226
Gm03	27328299	27329283	Gmdrm	hypo	CHH	-0.1091
Gm03	27330788	27331774	Gmdrm	hypo	CHH	-0.1219
Gm03	27365706	27366692	Gmdrm	hypo	CHH	-0.0405
Gm03	27368022	27369019	Gmdrm	hypo	CHH	-0.0577
Gm03	27369026	27369993	Gmdrm	hypo	CHH	-0.0357
Gm03	27405332	27406330	Gmdrm	hypo	CHH	-0.03
Gm03	27412453	27413451	Gmdrm	hypo	CHH	-0.0345
Gm03	27413454	27414454	Gmdrm	hypo	CHH	-0.097
Gm03	27455182	27456166	Gmdrm	hypo	CHH	-0.0487
Gm03	27456184	27457090	Gmdrm	hypo	CHH	-0.0515
Gm03	27462279	27462626	Gmdrm	hypo	CHH	-0.1563
Gm03	27463585	27464579	Gmdrm	hypo	CHH	-0.0559
Gm03	27519187	27520182	Gmdrm	hypo	CHH	-0.0483
Gm03	27550216	27551165	Gmdrm	hypo	CHH	-0.0164
Gm03	27617462	27618178	Gmdrm	hypo	CHH	-0.0398
Gm03	27671981	27672968	Gmdrm	hypo	CHH	-0.0608
Gm03	27672988	27673987	Gmdrm	hypo	CHH	-0.0716
Gm03	27675980	27676439	Gmdrm	hypo	CHH	-0.0934
Gm03	27676879	27677874	Gmdrm	hypo	CHH	-0.026
Gm03	27677904	27678900	Gmdrm	hypo	CHH	-0.028
Gm03	27679912	27680899	Gmdrm	hypo	CHH	-0.0717
Gm03	27681941	27682936	Gmdrm	hypo	CHH	-0.1694
Gm03	27682942	27683941	Gmdrm	hypo	CHH	-0.0855
Gm03	27690283	27691273	Gmdrm	hypo	CHH	-0.0225
Gm03	27691287	27692284	Gmdrm	hypo	CHH	-0.0469
Gm03	27692289	27693289	Gmdrm	hypo	CHH	-0.0418
Gm03	27693295	27694263	Gmdrm	hypo	CHH	-0.0456
Gm03	27694308	27695308	Gmdrm	hypo	CHH	-0.0125
Gm03	27702850	27703848	Gmdrm	hypo	CHH	-0.1411
Gm03	27739047	27739518	Gmdrm	hypo	CHH	-0.0931
Gm03	27747783	27748782	Gmdrm	hypo	CHH	-0.0704
Gm03	27751846	27752294	Gmdrm	hypo	CHH	-0.0827
Gm03	27755445	27756435	Gmdrm	hypo	CHH	-0.022

Gm03	27772861	27773059	Gmdrm	hypo	CHH	-0.0596
Gm03	27780508	27780640	Gmdrm	hypo	CHH	-0.0381
Gm03	27780770	27781768	Gmdrm	hypo	CHH	-0.1735
Gm03	27784833	27785829	Gmdrm	hypo	CHH	-0.0602
Gm03	27785840	27786824	Gmdrm	hypo	CHH	-0.0551
Gm03	27787468	27788459	Gmdrm	hypo	CHH	-0.106
Gm03	27788469	27789457	Gmdrm	hypo	CHH	-0.0649
Gm03	27809640	27810593	Gmdrm	hypo	CHH	-0.0173
Gm03	27853824	27854817	Gmdrm	hypo	CHH	-0.06
Gm03	27864899	27865862	Gmdrm	hypo	CHH	-0.0229
Gm03	27882248	27883246	Gmdrm	hypo	CHH	-0.0425
Gm03	27883253	27883881	Gmdrm	hypo	CHH	-0.0181
Gm03	27907436	27908436	Gmdrm	hypo	CHH	-0.0302
Gm03	27934188	27935188	Gmdrm	hypo	CHH	-0.0339
Gm03	27936206	27937205	Gmdrm	hypo	CHH	-0.0493
Gm03	27940110	27941105	Gmdrm	hypo	CHH	-0.0189
Gm03	27941121	27942104	Gmdrm	hypo	CHH	-0.0273
Gm03	27949152	27950149	Gmdrm	hypo	CHH	-0.0309
Gm03	27952208	27953207	Gmdrm	hypo	CHH	-0.016
Gm03	27963401	27964256	Gmdrm	hypo	CHH	-0.0366
Gm03	27965654	27966586	Gmdrm	hypo	CHH	-0.1526
Gm03	27971533	27972502	Gmdrm	hypo	CHH	-0.0196
Gm03	27979297	27980297	Gmdrm	hypo	CHH	-0.0869
Gm03	27980299	27981275	Gmdrm	hypo	CHH	-0.0163
Gm03	27987129	27988114	Gmdrm	hypo	CHH	-0.02
Gm03	27990143	27991038	Gmdrm	hypo	CHH	-0.0199
Gm03	27991275	27992275	Gmdrm	hypo	CHH	-0.0369
Gm03	28016425	28017390	Gmdrm	hypo	CHH	-0.0389
Gm03	28020634	28021634	Gmdrm	hypo	CHH	-0.0316
Gm03	28054964	28055076	Gmdrm	hypo	CHH	-0.1712
Gm03	28064819	28065630	Gmdrm	hypo	CHH	-0.0627
Gm03	28069860	28070813	Gmdrm	hypo	CHH	-0.0456
Gm03	28074438	28074694	Gmdrm	hypo	CHH	-0.0473
Gm03	28075767	28076606	Gmdrm	hypo	CHH	-0.1792
Gm03	28118214	28118597	Gmdrm	hypo	CHH	-0.0418
Gm03	28119177	28120177	Gmdrm	hypo	CHH	-0.1296
Gm03	28120787	28121781	Gmdrm	hypo	CHH	-0.038
Gm03	28147937	28148907	Gmdrm	hypo	CHH	-0.0614
Gm03	28154177	28154215	Gmdrm	hypo	CHH	-0.206
Gm03	28161034	28162015	Gmdrm	hypo	CHH	-0.02
Gm03	28162043	28163030	Gmdrm	hypo	CHH	-0.0173
Gm03	28216405	28216816	Gmdrm	hypo	CHH	-0.0356
Gm03	28217719	28218719	Gmdrm	hypo	CHH	-0.0506
Gm03	28218721	28219715	Gmdrm	hypo	CHH	-0.0617
Gm03	28219723	28220714	Gmdrm	hypo	CHH	-0.0372
Gm03	28236235	28237222	Gmdrm	hypo	CHH	-0.0622

Gm03	28237238	28238229	Gmdrm	hypo	CHH	-0.0901
Gm03	28250247	28251224	Gmdrm	hypo	CHH	-0.0706
Gm03	28265370	28266252	Gmdrm	hypo	CHH	-0.0513
Gm03	28271695	28272691	Gmdrm	hypo	CHH	-0.0857
Gm03	28287946	28288594	Gmdrm	hypo	CHH	-0.0223
Gm03	28289095	28290077	Gmdrm	hypo	CHH	-0.0742
Gm03	28292789	28293789	Gmdrm	hypo	CHH	-0.03
Gm03	28293793	28294545	Gmdrm	hypo	CHH	-0.0228
Gm03	28295683	28296678	Gmdrm	hypo	CHH	-0.0142
Gm03	28296691	28297653	Gmdrm	hypo	CHH	-0.0247
Gm03	28303894	28304893	Gmdrm	hypo	CHH	-0.0543
Gm03	28323844	28324844	Gmdrm	hypo	CHH	-0.0432
Gm03	28329904	28330891	Gmdrm	hypo	CHH	-0.038
Gm03	28331912	28332910	Gmdrm	hypo	CHH	-0.0515
Gm03	28341587	28342097	Gmdrm	hypo	CHH	-0.1066
Gm03	28351142	28352140	Gmdrm	hypo	CHH	-0.0146
Gm03	28354169	28355159	Gmdrm	hypo	CHH	-0.0414
Gm03	28355170	28356159	Gmdrm	hypo	CHH	-0.0824
Gm03	28356173	28357169	Gmdrm	hypo	CHH	-0.0312
Gm03	28358690	28359682	Gmdrm	hypo	CHH	-0.0188
Gm03	28367357	28368349	Gmdrm	hypo	CHH	-0.091
Gm03	28394473	28395455	Gmdrm	hypo	CHH	-0.0169
Gm03	28407175	28408171	Gmdrm	hypo	CHH	-0.0834
Gm03	28557875	28558863	Gmdrm	hypo	CHH	-0.0683
Gm03	28558888	28559882	Gmdrm	hypo	CHH	-0.0263
Gm03	28560141	28560736	Gmdrm	hypo	CHH	-0.0168
Gm03	28561890	28562887	Gmdrm	hypo	CHH	-0.0176
Gm03	28569613	28570608	Gmdrm	hypo	CHH	-0.0612
Gm03	28570625	28571604	Gmdrm	hypo	CHH	-0.0174
Gm03	28574716	28574952	Gmdrm	hypo	CHH	-0.125
Gm03	28575351	28576332	Gmdrm	hypo	CHH	-0.0552
Gm03	28595010	28595999	Gmdrm	hypo	CHH	-0.0151
Gm03	28618614	28619613	Gmdrm	hypo	CHH	-0.0492
Gm03	28727309	28728306	Gmdrm	hypo	CHH	-0.0161
Gm03	28728311	28729305	Gmdrm	hypo	CHH	-0.1152
Gm03	28729313	28730311	Gmdrm	hypo	CHH	-0.1661
Gm03	28730315	28731091	Gmdrm	hypo	CHH	-0.0274
Gm03	28734861	28735847	Gmdrm	hypo	CHH	-0.0649
Gm03	28813852	28814833	Gmdrm	hypo	CHH	-0.0491
Gm03	28815862	28816842	Gmdrm	hypo	CHH	-0.013
Gm03	28831167	28832132	Gmdrm	hypo	CHH	-0.2134
Gm03	28887508	28888500	Gmdrm	hypo	CHH	-0.0619
Gm03	29072151	29073148	Gmdrm	hypo	CHH	-0.0555
Gm03	29078838	29079838	Gmdrm	hypo	CHH	-0.0305
Gm03	29081855	29082833	Gmdrm	hypo	CHH	-0.0176
Gm03	29082880	29083592	Gmdrm	hypo	CHH	-0.0666

Gm03	29102586	29103586	Gmdrm	hypo	CHH	-0.0436
Gm03	29114023	29115023	Gmdrm	hypo	CHH	-0.0129
Gm03	29117213	29117541	Gmdrm	hypo	CHH	-0.0355
Gm03	29123835	29124826	Gmdrm	hypo	CHH	-0.0659
Gm03	29142345	29143326	Gmdrm	hypo	CHH	-0.0609
Gm03	29143351	29144350	Gmdrm	hypo	CHH	-0.1272
Gm03	29170225	29171224	Gmdrm	hypo	CHH	-0.0606
Gm03	29194353	29195322	Gmdrm	hypo	CHH	-0.0795
Gm03	29214804	29215783	Gmdrm	hypo	CHH	-0.0272
Gm03	29219692	29220683	Gmdrm	hypo	CHH	-0.0856
Gm03	29221751	29222730	Gmdrm	hypo	CHH	-0.027
Gm03	29268779	29269779	Gmdrm	hypo	CHH	-0.0417
Gm03	29271255	29272215	Gmdrm	hypo	CHH	-0.0192
Gm03	29296525	29296915	Gmdrm	hypo	CHH	-0.2104
Gm03	29334038	29334787	Gmdrm	hypo	CHH	-0.054
Gm03	29335520	29336509	Gmdrm	hypo	CHH	-0.0649
Gm03	29357985	29358970	Gmdrm	hypo	CHH	-0.019
Gm03	29387856	29388845	Gmdrm	hypo	CHH	-0.0372
Gm03	29418019	29419016	Gmdrm	hypo	CHH	-0.0338
Gm03	29422322	29423302	Gmdrm	hypo	CHH	-0.017
Gm03	29476833	29477792	Gmdrm	hypo	CHH	-0.0323
Gm03	29489381	29489536	Gmdrm	hypo	CHH	-0.0728
Gm03	29526691	29527660	Gmdrm	hypo	CHH	-0.0191
Gm03	29556635	29557052	Gmdrm	hypo	CHH	-0.043
Gm03	29558025	29558046	Gmdrm	hypo	CHH	-0.1075
Gm03	29563612	29564604	Gmdrm	hypo	CHH	-0.2015
Gm03	29564613	29565119	Gmdrm	hypo	CHH	-0.1702
Gm03	29571372	29572319	Gmdrm	hypo	CHH	-0.0591
Gm03	29580425	29581412	Gmdrm	hypo	CHH	-0.0967
Gm03	29604098	29605084	Gmdrm	hypo	CHH	-0.0532
Gm03	29609077	29610076	Gmdrm	hypo	CHH	-0.0116
Gm03	29610089	29611074	Gmdrm	hypo	CHH	-0.0168
Gm03	29631764	29632761	Gmdrm	hypo	CHH	-0.0123
Gm03	29666867	29667840	Gmdrm	hypo	CHH	-0.173
Gm03	29669048	29670046	Gmdrm	hypo	CHH	-0.0262
Gm03	29670109	29671102	Gmdrm	hypo	CHH	-0.2785
Gm03	29671110	29671577	Gmdrm	hypo	CHH	-0.1064
Gm03	29675538	29676476	Gmdrm	hypo	CHH	-0.0184
Gm03	29687937	29688372	Gmdrm	hypo	CHH	-0.0279
Gm03	29705890	29706472	Gmdrm	hypo	CHH	-0.081
Gm03	29706692	29707153	Gmdrm	hypo	CHH	-0.1035
Gm03	29707288	29707502	Gmdrm	hypo	CHH	-0.1003
Gm03	29708027	29708615	Gmdrm	hypo	CHH	-0.059
Gm03	29710822	29711821	Gmdrm	hypo	CHH	-0.0386
Gm03	29712847	29713829	Gmdrm	hypo	CHH	-0.0382
Gm03	29713849	29714847	Gmdrm	hypo	CHH	-0.0294

Gm03	29719904	29720528	Gmdrm	hypo	CHH	-0.0908
Gm03	29743317	29744239	Gmdrm	hypo	CHH	-0.0573
Gm03	29744920	29745014	Gmdrm	hypo	CHH	-0.0357
Gm03	29753587	29753827	Gmdrm	hypo	CHH	-0.0723
Gm03	29765147	29766145	Gmdrm	hypo	CHH	-0.0178
Gm03	29768182	29769163	Gmdrm	hypo	CHH	-0.0241
Gm03	29772385	29773359	Gmdrm	hypo	CHH	-0.0663
Gm03	29782177	29783173	Gmdrm	hypo	CHH	-0.071
Gm03	29803738	29804728	Gmdrm	hypo	CHH	-0.1611
Gm03	29804753	29805753	Gmdrm	hypo	CHH	-0.0403
Gm03	29817569	29818407	Gmdrm	hypo	CHH	-0.1699
Gm03	29832542	29833531	Gmdrm	hypo	CHH	-0.0114
Gm03	29835709	29836708	Gmdrm	hypo	CHH	-0.2466
Gm03	29874244	29875242	Gmdrm	hypo	CHH	-0.0763
Gm03	29913789	29914788	Gmdrm	hypo	CHH	-0.0178
Gm03	29914790	29914994	Gmdrm	hypo	CHH	-0.1479
Gm03	29918176	29918349	Gmdrm	hypo	CHH	-0.0293
Gm03	29919622	29920306	Gmdrm	hypo	CHH	-0.0316
Gm03	29924102	29925102	Gmdrm	hypo	CHH	-0.0628
Gm03	29928551	29929440	Gmdrm	hypo	CHH	-0.0523
Gm03	29932285	29933284	Gmdrm	hypo	CHH	-0.0552
Gm03	29934304	29935298	Gmdrm	hypo	CHH	-0.0461
Gm03	29936930	29937521	Gmdrm	hypo	CHH	-0.0323
Gm03	29940599	29941198	Gmdrm	hypo	CHH	-0.0448
Gm03	29964821	29965803	Gmdrm	hypo	CHH	-0.0293
Gm03	29970628	29971462	Gmdrm	hypo	CHH	-0.0826
Gm03	29971692	29972052	Gmdrm	hypo	CHH	-0.208
Gm03	29972559	29973556	Gmdrm	hypo	CHH	-0.0594
Gm03	29973567	29974193	Gmdrm	hypo	CHH	-0.0297
Gm03	30004879	30005682	Gmdrm	hypo	CHH	-0.1066
Gm03	30010737	30010873	Gmdrm	hypo	CHH	-0.04
Gm03	30011327	30011815	Gmdrm	hypo	CHH	-0.0526
Gm03	30013052	30013825	Gmdrm	hypo	CHH	-0.0155
Gm03	30021738	30022729	Gmdrm	hypo	CHH	-0.0215
Gm03	30022750	30023733	Gmdrm	hypo	CHH	-0.0494
Gm03	30023767	30024751	Gmdrm	hypo	CHH	-0.0262
Gm03	30024799	30025787	Gmdrm	hypo	CHH	-0.0566
Gm03	30025822	30026814	Gmdrm	hypo	CHH	-0.0421
Gm03	30026828	30027818	Gmdrm	hypo	CHH	-0.0445
Gm03	30027830	30028829	Gmdrm	hypo	CHH	-0.0735
Gm03	30029107	30029631	Gmdrm	hypo	CHH	-0.0433
Gm03	30029820	30030820	Gmdrm	hypo	CHH	-0.0184
Gm03	30053858	30054851	Gmdrm	hypo	CHH	-0.0719
Gm03	30066043	30067029	Gmdrm	hypo	CHH	-0.0329
Gm03	30067053	30067447	Gmdrm	hypo	CHH	-0.0404
Gm03	30076398	30076905	Gmdrm	hypo	CHH	-0.0486

Gm03	30090951	30090991 Gmdrm	hypo	CHH	-0.05
Gm03	30095914	30096910 Gmdrm	hypo	CHH	-0.04
Gm03	30096918	30097918 Gmdrm	hypo	CHH	-0.0213
Gm03	30100715	30101710 Gmdrm	hypo	CHH	-0.0125
Gm03	30117855	30118853 Gmdrm	hypo	CHH	-0.0722
Gm03	30120632	30121632 Gmdrm	hypo	CHH	-0.0747
Gm03	30121633	30122630 Gmdrm	hypo	CHH	-0.0652
Gm03	30126674	30127673 Gmdrm	hypo	CHH	-0.0698
Gm03	30129677	30130674 Gmdrm	hypo	CHH	-0.091
Gm03	30135951	30136943 Gmdrm	hypo	CHH	-0.0693
Gm03	30167868	30168861 Gmdrm	hypo	CHH	-0.1885
Gm03	30168882	30169860 Gmdrm	hypo	CHH	-0.0929
Gm03	30175790	30176780 Gmdrm	hypo	CHH	-0.0907
Gm03	30177229	30178212 Gmdrm	hypo	CHH	-0.0254
Gm03	30180201	30181200 Gmdrm	hypo	CHH	-0.0288
Gm03	30183233	30184145 Gmdrm	hypo	CHH	-0.1043
Gm03	30184857	30185824 Gmdrm	hypo	CHH	-0.0835
Gm03	30186742	30187742 Gmdrm	hypo	CHH	-0.0166
Gm03	30195007	30196000 Gmdrm	hypo	CHH	-0.0678
Gm03	30196022	30196987 Gmdrm	hypo	CHH	-0.0145
Gm03	30197031	30197487 Gmdrm	hypo	CHH	-0.0367
Gm03	30205701	30206662 Gmdrm	hypo	CHH	-0.02
Gm03	30207777	30208411 Gmdrm	hypo	CHH	-0.0166
Gm03	30248565	30249552 Gmdrm	hypo	CHH	-0.0227
Gm03	30276971	30277968 Gmdrm	hypo	CHH	-0.0476
Gm03	30277981	30278240 Gmdrm	hypo	CHH	-0.0248
Gm03	30279400	30279733 Gmdrm	hypo	CHH	-0.08
Gm03	30281668	30281896 Gmdrm	hypo	CHH	-0.1246
Gm03	30289049	30289401 Gmdrm	hypo	CHH	-0.0493
Gm03	30291477	30292239 Gmdrm	hypo	CHH	-0.0205
Gm03	30307849	30308825 Gmdrm	hypo	CHH	-0.0666
Gm03	30377009	30378005 Gmdrm	hypo	CHH	-0.0791
Gm03	30448395	30448782 Gmdrm	hypo	CHH	-0.0179
Gm03	30450363	30451043 Gmdrm	hypo	CHH	-0.0809
Gm03	30455292	30456267 Gmdrm	hypo	CHH	-0.0621
Gm03	30456300	30456748 Gmdrm	hypo	CHH	-0.064
Gm03	30473154	30473712 Gmdrm	hypo	CHH	-0.0125
Gm03	30474844	30475813 Gmdrm	hypo	CHH	-0.0166
Gm03	30535033	30536009 Gmdrm	hypo	CHH	-0.0249
Gm03	30628960	30629241 Gmdrm	hypo	CHH	-0.1132
Gm03	30641167	30642043 Gmdrm	hypo	CHH	-0.0276
Gm03	30644915	30645606 Gmdrm	hypo	CHH	-0.2072
Gm03	30708003	30708775 Gmdrm	hypo	CHH	-0.0211
Gm03	30708911	30709867 Gmdrm	hypo	CHH	-0.1011
Gm03	30735671	30736664 Gmdrm	hypo	CHH	-0.1361
Gm03	30751806	30752758 Gmdrm	hypo	CHH	-0.0461

Gm03	30753987	30754339	Gmdrm	hypo	CHH	-0.0825
Gm03	30755117	30756112	Gmdrm	hypo	CHH	-0.0451
Gm03	30759151	30760087	Gmdrm	hypo	CHH	-0.0772
Gm03	30771919	30772906	Gmdrm	hypo	CHH	-0.046
Gm03	30789941	30790940	Gmdrm	hypo	CHH	-0.0255
Gm03	30795268	30795758	Gmdrm	hypo	CHH	-0.0607
Gm03	30795903	30796565	Gmdrm	hypo	CHH	-0.0239
Gm03	30801245	30801817	Gmdrm	hypo	CHH	-0.0626
Gm03	30801937	30802329	Gmdrm	hypo	CHH	-0.1117
Gm03	30802520	30803489	Gmdrm	hypo	CHH	-0.0149
Gm03	30808775	30809512	Gmdrm	hypo	CHH	-0.0247
Gm03	30816031	30816243	Gmdrm	hypo	CHH	-0.19
Gm03	30816725	30817205	Gmdrm	hypo	CHH	-0.1183
Gm03	30817364	30817692	Gmdrm	hypo	CHH	-0.1367
Gm03	30817925	30818282	Gmdrm	hypo	CHH	-0.103
Gm03	30818721	30819697	Gmdrm	hypo	CHH	-0.1107
Gm03	30819750	30820748	Gmdrm	hypo	CHH	-0.124
Gm03	30841852	30842849	Gmdrm	hypo	CHH	-0.091
Gm03	30842854	30843850	Gmdrm	hypo	CHH	-0.0982
Gm03	30843855	30844510	Gmdrm	hypo	CHH	-0.0659
Gm03	30844945	30845495	Gmdrm	hypo	CHH	-0.0833
Gm03	30910654	30910931	Gmdrm	hypo	CHH	-0.1248
Gm03	30911694	30912241	Gmdrm	hypo	CHH	-0.0317
Gm03	30920556	30920762	Gmdrm	hypo	CHH	-0.1208
Gm03	30921142	30922141	Gmdrm	hypo	CHH	-0.0503
Gm03	30931314	30932310	Gmdrm	hypo	CHH	-0.0322
Gm03	30949263	30950262	Gmdrm	hypo	CHH	-0.0284
Gm03	30950268	30951243	Gmdrm	hypo	CHH	-0.0365
Gm03	30955823	30956814	Gmdrm	hypo	CHH	-0.0192
Gm03	30964647	30965646	Gmdrm	hypo	CHH	-0.0316
Gm03	30986384	30987367	Gmdrm	hypo	CHH	-0.0104
Gm03	30988431	30989413	Gmdrm	hypo	CHH	-0.0192
Gm03	30993606	30994606	Gmdrm	hypo	CHH	-0.0121
Gm03	30999956	31000945	Gmdrm	hypo	CHH	-0.0227
Gm03	31001969	31002691	Gmdrm	hypo	CHH	-0.0415
Gm03	31005334	31006315	Gmdrm	hypo	CHH	-0.0226
Gm03	31018221	31019124	Gmdrm	hypo	CHH	-0.0218
Gm03	31022550	31023540	Gmdrm	hypo	CHH	-0.0204
Gm03	31026135	31027113	Gmdrm	hypo	CHH	-0.0254
Gm03	31054656	31055644	Gmdrm	hypo	CHH	-0.0331
Gm03	31065592	31066359	Gmdrm	hypo	CHH	-0.0302
Gm03	31066879	31067659	Gmdrm	hypo	CHH	-0.2512
Gm03	31082522	31083439	Gmdrm	hypo	CHH	-0.0335
Gm03	31085056	31086051	Gmdrm	hypo	CHH	-0.0365
Gm03	31086059	31087054	Gmdrm	hypo	CHH	-0.0634
Gm03	31087062	31088048	Gmdrm	hypo	CHH	-0.1132

Gm03	31097821	31098811	Gmdrm	hypo	CHH	-0.0473
Gm03	31132612	31133612	Gmdrm	hypo	CHH	-0.0789
Gm03	31133647	31134644	Gmdrm	hypo	CHH	-0.1449
Gm03	31197587	31198574	Gmdrm	hypo	CHH	-0.022
Gm03	31208268	31209260	Gmdrm	hypo	CHH	-0.0878
Gm03	31211295	31212290	Gmdrm	hypo	CHH	-0.102
Gm03	31224592	31224811	Gmdrm	hypo	CHH	-0.0416
Gm03	31225148	31226143	Gmdrm	hypo	CHH	-0.0546
Gm03	31275638	31276632	Gmdrm	hypo	CHH	-0.0627
Gm03	31368016	31368600	Gmdrm	hypo	CHH	-0.0674
Gm03	31370030	31371015	Gmdrm	hypo	CHH	-0.0303
Gm03	31372102	31373099	Gmdrm	hypo	CHH	-0.0294
Gm03	31378991	31379978	Gmdrm	hypo	CHH	-0.0561
Gm03	31379992	31380989	Gmdrm	hypo	CHH	-0.0424
Gm03	31384751	31385728	Gmdrm	hypo	CHH	-0.0959
Gm03	31388018	31389016	Gmdrm	hypo	CHH	-0.1825
Gm03	31389019	31390019	Gmdrm	hypo	CHH	-0.0619
Gm03	31390021	31391004	Gmdrm	hypo	CHH	-0.0589
Gm03	31398358	31398603	Gmdrm	hypo	CHH	-0.0367
Gm03	31403553	31403831	Gmdrm	hypo	CHH	-0.0282
Gm03	31404814	31405640	Gmdrm	hypo	CHH	-0.0264
Gm03	31409071	31410058	Gmdrm	hypo	CHH	-0.0381
Gm03	31430152	31430516	Gmdrm	hypo	CHH	-0.0802
Gm03	31433547	31434547	Gmdrm	hypo	CHH	-0.0469
Gm03	31434550	31435549	Gmdrm	hypo	CHH	-0.0458
Gm03	31464860	31465027	Gmdrm	hypo	CHH	-0.032
Gm03	31466343	31467343	Gmdrm	hypo	CHH	-0.0301
Gm03	31504880	31505041	Gmdrm	hypo	CHH	-0.0433
Gm03	31508288	31509271	Gmdrm	hypo	CHH	-0.0765
Gm03	31523818	31524816	Gmdrm	hypo	CHH	-0.0562
Gm03	31524824	31525824	Gmdrm	hypo	CHH	-0.0479
Gm03	31557941	31558924	Gmdrm	hypo	CHH	-0.114
Gm03	31563665	31564665	Gmdrm	hypo	CHH	-0.0506
Gm03	31574947	31575209	Gmdrm	hypo	CHH	-0.0525
Gm03	31575438	31576426	Gmdrm	hypo	CHH	-0.0226
Gm03	31581488	31581546	Gmdrm	hypo	CHH	-0.034
Gm03	31583033	31584009	Gmdrm	hypo	CHH	-0.0579
Gm03	31595735	31596013	Gmdrm	hypo	CHH	-0.0764
Gm03	31599584	31600581	Gmdrm	hypo	CHH	-0.1633
Gm03	31601600	31602596	Gmdrm	hypo	CHH	-0.0306
Gm03	31611780	31612762	Gmdrm	hypo	CHH	-0.0192
Gm03	31678325	31679309	Gmdrm	hypo	CHH	-0.0662
Gm03	31689695	31690642	Gmdrm	hypo	CHH	-0.0153
Gm03	31693134	31693924	Gmdrm	hypo	CHH	-0.0236
Gm03	31694040	31694172	Gmdrm	hypo	CHH	-0.1
Gm03	31694604	31695604	Gmdrm	hypo	CHH	-0.1351

Gm03	31695606	31696591	Gmdrm	hypo	CHH	-0.0462
Gm03	31782356	31783345	Gmdrm	hypo	CHH	-0.0343
Gm03	31795518	31796468	Gmdrm	hypo	CHH	-0.0283
Gm03	31801496	31802490	Gmdrm	hypo	CHH	-0.0402
Gm03	31824469	31825449	Gmdrm	hypo	CHH	-0.0232
Gm03	31830775	31831768	Gmdrm	hypo	CHH	-0.0194
Gm03	31831806	31832805	Gmdrm	hypo	CHH	-0.0573
Gm03	31848008	31848966	Gmdrm	hypo	CHH	-0.0549
Gm03	31849050	31850003	Gmdrm	hypo	CHH	-0.0396
Gm03	31850059	31851058	Gmdrm	hypo	CHH	-0.0215
Gm03	31853626	31854500	Gmdrm	hypo	CHH	-0.0198
Gm03	31885192	31886171	Gmdrm	hypo	CHH	-0.0218
Gm03	31886199	31887196	Gmdrm	hypo	CHH	-0.0321
Gm03	31899415	31900415	Gmdrm	hypo	CHH	-0.0678
Gm03	31900419	31900881	Gmdrm	hypo	CHH	-0.2347
Gm03	31959324	31960324	Gmdrm	hypo	CHH	-0.0403
Gm03	31980250	31981228	Gmdrm	hypo	CHH	-0.0334
Gm03	31999008	32000004	Gmdrm	hypo	CHH	-0.0342
Gm03	32010995	32011994	Gmdrm	hypo	CHH	-0.0437
Gm03	32014021	32015018	Gmdrm	hypo	CHH	-0.0573
Gm03	32035496	32036028	Gmdrm	hypo	CHH	-0.0232
Gm03	32038032	32038994	Gmdrm	hypo	CHH	-0.0798
Gm03	32059307	32060248	Gmdrm	hypo	CHH	-0.107
Gm03	32069305	32069933	Gmdrm	hypo	CHH	-0.0368
Gm03	32078494	32079485	Gmdrm	hypo	CHH	-0.0249
Gm03	32087164	32088085	Gmdrm	hypo	CHH	-0.0611
Gm03	32092413	32093412	Gmdrm	hypo	CHH	-0.1785
Gm03	32125124	32126120	Gmdrm	hypo	CHH	-0.0257
Gm03	32141624	32142585	Gmdrm	hypo	CHH	-0.0175
Gm03	32142625	32142859	Gmdrm	hypo	CHH	-0.0557
Gm03	32143000	32144000	Gmdrm	hypo	CHH	-0.0296
Gm03	32147692	32148674	Gmdrm	hypo	CHH	-0.1256
Gm03	32150088	32150875	Gmdrm	hypo	CHH	-0.0332
Gm03	32154604	32155583	Gmdrm	hypo	CHH	-0.0222
Gm03	32182819	32183815	Gmdrm	hypo	CHH	-0.0271
Gm03	32193334	32194326	Gmdrm	hypo	CHH	-0.0308
Gm03	32194339	32195338	Gmdrm	hypo	CHH	-0.0331
Gm03	32196362	32197337	Gmdrm	hypo	CHH	-0.0507
Gm03	32198044	32199041	Gmdrm	hypo	CHH	-0.0687
Gm03	32199050	32200008	Gmdrm	hypo	CHH	-0.0412
Gm03	32204229	32205017	Gmdrm	hypo	CHH	-0.0227
Gm03	32215018	32215988	Gmdrm	hypo	CHH	-0.2582
Gm03	32219346	32220341	Gmdrm	hypo	CHH	-0.0534
Gm03	32222386	32222431	Gmdrm	hypo	CHH	-0.0533
Gm03	32253447	32254430	Gmdrm	hypo	CHH	-0.0234
Gm03	32254450	32255436	Gmdrm	hypo	CHH	-0.0123

Gm03	32263242	32264235	Gmdrm	hypo	CHH	-0.0897
Gm03	32293910	32293930	Gmdrm	hypo	CHH	-0.2
Gm03	32310446	32311443	Gmdrm	hypo	CHH	-0.0415
Gm03	32314271	32315259	Gmdrm	hypo	CHH	-0.0177
Gm03	32321914	32322897	Gmdrm	hypo	CHH	-0.0283
Gm03	32322920	32323920	Gmdrm	hypo	CHH	-0.0244
Gm03	32324938	32325932	Gmdrm	hypo	CHH	-0.0402
Gm03	32326944	32327933	Gmdrm	hypo	CHH	-0.0239
Gm03	32328988	32329979	Gmdrm	hypo	CHH	-0.0777
Gm03	32342903	32343900	Gmdrm	hypo	CHH	-0.0309
Gm03	32343904	32344904	Gmdrm	hypo	CHH	-0.0731
Gm03	32349006	32349987	Gmdrm	hypo	CHH	-0.0724
Gm03	32350016	32351004	Gmdrm	hypo	CHH	-0.1212
Gm03	32410364	32411360	Gmdrm	hypo	CHH	-0.0715
Gm03	32411387	32412384	Gmdrm	hypo	CHH	-0.162
Gm03	32412391	32412616	Gmdrm	hypo	CHH	-0.0986
Gm03	32412945	32413924	Gmdrm	hypo	CHH	-0.108
Gm03	32413968	32414950	Gmdrm	hypo	CHH	-0.034
Gm03	32457105	32458104	Gmdrm	hypo	CHH	-0.0452
Gm03	32472396	32473394	Gmdrm	hypo	CHH	-0.0493
Gm03	32519576	32520567	Gmdrm	hypo	CHH	-0.0581
Gm03	32524182	32524514	Gmdrm	hypo	CHH	-0.095
Gm03	32553451	32554449	Gmdrm	hypo	CHH	-0.0845
Gm03	32555465	32555842	Gmdrm	hypo	CHH	-0.0882
Gm03	32556981	32557972	Gmdrm	hypo	CHH	-0.1462
Gm03	32558000	32558718	Gmdrm	hypo	CHH	-0.1304
Gm03	32566209	32567047	Gmdrm	hypo	CHH	-0.0622
Gm03	32568244	32568700	Gmdrm	hypo	CHH	-0.2579
Gm03	32581443	32582429	Gmdrm	hypo	CHH	-0.071
Gm03	32596768	32597469	Gmdrm	hypo	CHH	-0.0255
Gm03	32608873	32609647	Gmdrm	hypo	CHH	-0.0484
Gm03	32636452	32637445	Gmdrm	hypo	CHH	-0.015
Gm03	32642619	32642738	Gmdrm	hypo	CHH	-0.0329
Gm03	32643067	32644064	Gmdrm	hypo	CHH	-0.0175
Gm03	32655859	32656837	Gmdrm	hypo	CHH	-0.0193
Gm03	32679191	32680189	Gmdrm	hypo	CHH	-0.0172
Gm03	32696451	32697451	Gmdrm	hypo	CHH	-0.0351
Gm03	32697459	32698454	Gmdrm	hypo	CHH	-0.037
Gm03	32760910	32761907	Gmdrm	hypo	CHH	-0.0421
Gm03	32785052	32786046	Gmdrm	hypo	CHH	-0.03
Gm03	32786152	32787096	Gmdrm	hypo	CHH	-0.0252
Gm03	32801363	32802361	Gmdrm	hypo	CHH	-0.0288
Gm03	32816125	32817120	Gmdrm	hypo	CHH	-0.0332
Gm03	32817167	32818154	Gmdrm	hypo	CHH	-0.0227
Gm03	32819370	32820351	Gmdrm	hypo	CHH	-0.0183
Gm03	32821388	32822377	Gmdrm	hypo	CHH	-0.0341

Gm03	32839765	32840756	Gmdrm	hypo	CHH	-0.05
Gm03	32841776	32842774	Gmdrm	hypo	CHH	-0.0417
Gm03	32842785	32843780	Gmdrm	hypo	CHH	-0.0768
Gm03	32883315	32884281	Gmdrm	hypo	CHH	-0.0108
Gm03	32884745	32885733	Gmdrm	hypo	CHH	-0.0157
Gm03	32885746	32886743	Gmdrm	hypo	CHH	-0.06
Gm03	32886749	32887491	Gmdrm	hypo	CHH	-0.1379
Gm03	32887648	32888627	Gmdrm	hypo	CHH	-0.1749
Gm03	32890469	32890694	Gmdrm	hypo	CHH	-0.0175
Gm03	32891564	32892519	Gmdrm	hypo	CHH	-0.0712
Gm03	32892565	32893540	Gmdrm	hypo	CHH	-0.0242
Gm03	32894488	32895486	Gmdrm	hypo	CHH	-0.0428
Gm03	32901922	32902915	Gmdrm	hypo	CHH	-0.0348
Gm03	32919879	32920871	Gmdrm	hypo	CHH	-0.066
Gm03	32929034	32929997	Gmdrm	hypo	CHH	-0.0311
Gm03	32931422	32932405	Gmdrm	hypo	CHH	-0.0148
Gm03	32932434	32933423	Gmdrm	hypo	CHH	-0.0134
Gm03	32948946	32949945	Gmdrm	hypo	CHH	-0.0283
Gm03	32954386	32955383	Gmdrm	hypo	CHH	-0.0369
Gm03	33023202	33024199	Gmdrm	hypo	CHH	-0.0214
Gm03	33026222	33027159	Gmdrm	hypo	CHH	-0.0416
Gm03	33032548	33033544	Gmdrm	hypo	CHH	-0.0405
Gm03	33035603	33036601	Gmdrm	hypo	CHH	-0.0592
Gm03	33036605	33037602	Gmdrm	hypo	CHH	-0.0523
Gm03	33037622	33038610	Gmdrm	hypo	CHH	-0.0616
Gm03	33040540	33041526	Gmdrm	hypo	CHH	-0.0152
Gm03	33055201	33056198	Gmdrm	hypo	CHH	-0.044
Gm03	33056203	33056373	Gmdrm	hypo	CHH	-0.0278
Gm03	33056490	33057487	Gmdrm	hypo	CHH	-0.0887
Gm03	33058500	33059400	Gmdrm	hypo	CHH	-0.0362
Gm03	33078611	33079609	Gmdrm	hypo	CHH	-0.0266
Gm03	33079616	33080588	Gmdrm	hypo	CHH	-0.0792
Gm03	33126474	33127443	Gmdrm	hypo	CHH	-0.0715
Gm03	33129876	33130860	Gmdrm	hypo	CHH	-0.0128
Gm03	33136468	33137454	Gmdrm	hypo	CHH	-0.1022
Gm03	33148896	33149895	Gmdrm	hypo	CHH	-0.0123
Gm03	33149917	33150852	Gmdrm	hypo	CHH	-0.0507
Gm03	33160336	33161333	Gmdrm	hypo	CHH	-0.0656
Gm03	33173365	33173755	Gmdrm	hypo	CHH	-0.0692
Gm03	33174560	33175230	Gmdrm	hypo	CHH	-0.1528
Gm03	33191758	33192749	Gmdrm	hypo	CHH	-0.052
Gm03	33199118	33199691	Gmdrm	hypo	CHH	-0.0217
Gm03	33214181	33215144	Gmdrm	hypo	CHH	-0.034
Gm03	33215203	33216197	Gmdrm	hypo	CHH	-0.054
Gm03	33232377	33233377	Gmdrm	hypo	CHH	-0.0725
Gm03	33233387	33234387	Gmdrm	hypo	CHH	-0.0553

Gm03	33242266	33243205	Gmdrm	hypo	CHH	-0.0162
Gm03	33247103	33248100	Gmdrm	hypo	CHH	-0.0172
Gm03	33250343	33251297	Gmdrm	hypo	CHH	-0.0383
Gm03	33254767	33255753	Gmdrm	hypo	CHH	-0.0545
Gm03	33258796	33259770	Gmdrm	hypo	CHH	-0.0108
Gm03	33260801	33261784	Gmdrm	hypo	CHH	-0.037
Gm03	33262862	33263834	Gmdrm	hypo	CHH	-0.0266
Gm03	33279236	33280230	Gmdrm	hypo	CHH	-0.0121
Gm03	33282189	33283160	Gmdrm	hypo	CHH	-0.0545
Gm03	33288230	33288542	Gmdrm	hypo	CHH	-0.108
Gm03	33294041	33295029	Gmdrm	hypo	CHH	-0.0394
Gm03	33299096	33300073	Gmdrm	hypo	CHH	-0.0209
Gm03	33301130	33302126	Gmdrm	hypo	CHH	-0.0584
Gm03	33311275	33312272	Gmdrm	hypo	CHH	-0.1248
Gm03	33312277	33313273	Gmdrm	hypo	CHH	-0.1754
Gm03	33313280	33314250	Gmdrm	hypo	CHH	-0.1272
Gm03	33324534	33325518	Gmdrm	hypo	CHH	-0.0386
Gm03	33326573	33327556	Gmdrm	hypo	CHH	-0.0156
Gm03	33331580	33331800	Gmdrm	hypo	CHH	-0.023
Gm03	33332288	33332728	Gmdrm	hypo	CHH	-0.0429
Gm03	33336258	33337257	Gmdrm	hypo	CHH	-0.0136
Gm03	33337259	33338251	Gmdrm	hypo	CHH	-0.0196
Gm03	33341394	33342174	Gmdrm	hypo	CHH	-0.0143
Gm03	33358247	33359236	Gmdrm	hypo	CHH	-0.0375
Gm03	33371256	33372245	Gmdrm	hypo	CHH	-0.0568
Gm03	33374290	33375215	Gmdrm	hypo	CHH	-0.0361
Gm03	33384647	33385631	Gmdrm	hypo	CHH	-0.0176
Gm03	33389621	33390617	Gmdrm	hypo	CHH	-0.1087
Gm03	33391627	33392611	Gmdrm	hypo	CHH	-0.0483
Gm03	33392636	33393634	Gmdrm	hypo	CHH	-0.0362
Gm03	33396691	33397681	Gmdrm	hypo	CHH	-0.0587
Gm03	33397697	33398652	Gmdrm	hypo	CHH	-0.0616
Gm03	33401240	33402240	Gmdrm	hypo	CHH	-0.059
Gm03	33408076	33409054	Gmdrm	hypo	CHH	-0.0903
Gm03	33413450	33414439	Gmdrm	hypo	CHH	-0.0213
Gm03	33414469	33415458	Gmdrm	hypo	CHH	-0.0327
Gm03	33415484	33416482	Gmdrm	hypo	CHH	-0.0704
Gm03	33428110	33429108	Gmdrm	hypo	CHH	-0.0613
Gm03	33434139	33435139	Gmdrm	hypo	CHH	-0.0296
Gm03	33435142	33435655	Gmdrm	hypo	CHH	-0.2201
Gm03	33437480	33438447	Gmdrm	hypo	CHH	-0.0349
Gm03	33438507	33439043	Gmdrm	hypo	CHH	-0.0746
Gm03	33439158	33440154	Gmdrm	hypo	CHH	-0.0728
Gm03	33440166	33441159	Gmdrm	hypo	CHH	-0.0869
Gm03	33441176	33441555	Gmdrm	hypo	CHH	-0.0391
Gm03	33442847	33443803	Gmdrm	hypo	CHH	-0.1277

Gm03	33483683	33484683	Gmdrm	hypo	CHH	-0.1222
Gm03	33484693	33485673	Gmdrm	hypo	CHH	-0.1164
Gm03	33487505	33488505	Gmdrm	hypo	CHH	-0.0286
Gm03	33488509	33489507	Gmdrm	hypo	CHH	-0.0464
Gm03	33503647	33504309	Gmdrm	hypo	CHH	-0.0588
Gm03	33515189	33516187	Gmdrm	hypo	CHH	-0.0792
Gm03	33545777	33546777	Gmdrm	hypo	CHH	-0.0416
Gm03	33564897	33565853	Gmdrm	hypo	CHH	-0.0351
Gm03	33565912	33566910	Gmdrm	hypo	CHH	-0.0173
Gm03	33570970	33571957	Gmdrm	hypo	CHH	-0.0973
Gm03	33572999	33573997	Gmdrm	hypo	CHH	-0.0869
Gm03	33577743	33578340	Gmdrm	hypo	CHH	-0.0789
Gm03	33582515	33583489	Gmdrm	hypo	CHH	-0.0336
Gm03	33585417	33586403	Gmdrm	hypo	CHH	-0.033
Gm03	33586421	33587404	Gmdrm	hypo	CHH	-0.0232
Gm03	33596187	33597146	Gmdrm	hypo	CHH	-0.0446
Gm03	33607776	33608763	Gmdrm	hypo	CHH	-0.0638
Gm03	33608788	33609281	Gmdrm	hypo	CHH	-0.046
Gm03	33612896	33613889	Gmdrm	hypo	CHH	-0.0279
Gm03	33613901	33614851	Gmdrm	hypo	CHH	-0.0558
Gm03	33615928	33616914	Gmdrm	hypo	CHH	-0.047
Gm03	33647004	33647532	Gmdrm	hypo	CHH	-0.0244
Gm03	33651176	33652125	Gmdrm	hypo	CHH	-0.0211
Gm03	33655136	33656133	Gmdrm	hypo	CHH	-0.0179
Gm03	33657184	33658177	Gmdrm	hypo	CHH	-0.0651
Gm03	33658193	33659014	Gmdrm	hypo	CHH	-0.0958
Gm03	33667637	33668625	Gmdrm	hypo	CHH	-0.0696
Gm03	33672984	33673944	Gmdrm	hypo	CHH	-0.0832
Gm03	33673989	33674985	Gmdrm	hypo	CHH	-0.0584
Gm03	33699535	33699906	Gmdrm	hypo	CHH	-0.0712
Gm03	33702029	33703029	Gmdrm	hypo	CHH	-0.0262
Gm03	33723481	33724480	Gmdrm	hypo	CHH	-0.0231
Gm03	33724489	33725486	Gmdrm	hypo	CHH	-0.118
Gm03	33725493	33726181	Gmdrm	hypo	CHH	-0.2633
Gm03	33731713	33732709	Gmdrm	hypo	CHH	-0.0171
Gm03	33732718	33733715	Gmdrm	hypo	CHH	-0.0247
Gm03	33738852	33739848	Gmdrm	hypo	CHH	-0.039
Gm03	33739853	33740095	Gmdrm	hypo	CHH	-0.0611
Gm03	33745873	33746866	Gmdrm	hypo	CHH	-0.0706
Gm03	33751050	33752039	Gmdrm	hypo	CHH	-0.0476
Gm03	33755314	33756300	Gmdrm	hypo	CHH	-0.0397
Gm03	33759762	33760759	Gmdrm	hypo	CHH	-0.0138
Gm03	33774220	33775210	Gmdrm	hypo	CHH	-0.0229
Gm03	33843396	33844395	Gmdrm	hypo	CHH	-0.0169
Gm03	33844397	33845397	Gmdrm	hypo	CHH	-0.0549
Gm03	33845401	33846399	Gmdrm	hypo	CHH	-0.0231

Gm03	33846403	33847399	Gmdrm	hypo	CHH	-0.0223
Gm03	33847423	33848390	Gmdrm	hypo	CHH	-0.026
Gm03	33851574	33852573	Gmdrm	hypo	CHH	-0.0473
Gm03	33861807	33862783	Gmdrm	hypo	CHH	-0.052
Gm03	33875732	33876731	Gmdrm	hypo	CHH	-0.0254
Gm03	33876734	33877732	Gmdrm	hypo	CHH	-0.103
Gm03	33877736	33878706	Gmdrm	hypo	CHH	-0.0279
Gm03	33884649	33885647	Gmdrm	hypo	CHH	-0.1276
Gm03	33885657	33886651	Gmdrm	hypo	CHH	-0.1328
Gm03	33886909	33887908	Gmdrm	hypo	CHH	-0.0252
Gm03	33888926	33889905	Gmdrm	hypo	CHH	-0.0506
Gm03	33890941	33891931	Gmdrm	hypo	CHH	-0.0932
Gm03	33903248	33903824	Gmdrm	hypo	CHH	-0.0702
Gm03	33904977	33905489	Gmdrm	hypo	CHH	-0.0498
Gm03	33905670	33906658	Gmdrm	hypo	CHH	-0.0584
Gm03	33906717	33907396	Gmdrm	hypo	CHH	-0.0478
Gm03	33924048	33924395	Gmdrm	hypo	CHH	-0.0228
Gm03	33936102	33937089	Gmdrm	hypo	CHH	-0.0198
Gm03	33938126	33939119	Gmdrm	hypo	CHH	-0.0325
Gm03	33939155	33940147	Gmdrm	hypo	CHH	-0.0523
Gm03	33940181	33940223	Gmdrm	hypo	CHH	-0.26
Gm03	33946844	33947364	Gmdrm	hypo	CHH	-0.216
Gm03	33953317	33954300	Gmdrm	hypo	CHH	-0.0126
Gm03	33954353	33955342	Gmdrm	hypo	CHH	-0.0163
Gm03	33955367	33956364	Gmdrm	hypo	CHH	-0.1652
Gm03	33957393	33958389	Gmdrm	hypo	CHH	-0.0208
Gm03	33959602	33960591	Gmdrm	hypo	CHH	-0.0367
Gm03	33966697	33967682	Gmdrm	hypo	CHH	-0.0572
Gm03	33967702	33968686	Gmdrm	hypo	CHH	-0.0753
Gm03	33981812	33982812	Gmdrm	hypo	CHH	-0.0176
Gm03	33987415	33988407	Gmdrm	hypo	CHH	-0.0587
Gm03	33988418	33989378	Gmdrm	hypo	CHH	-0.0369
Gm03	33989422	33990414	Gmdrm	hypo	CHH	-0.0132
Gm03	33995818	33996234	Gmdrm	hypo	CHH	-0.0666
Gm03	33996392	33997373	Gmdrm	hypo	CHH	-0.0394
Gm03	33997404	33998399	Gmdrm	hypo	CHH	-0.0198
Gm03	34003085	34004076	Gmdrm	hypo	CHH	-0.0867
Gm03	34004090	34005084	Gmdrm	hypo	CHH	-0.0152
Gm03	34029819	34030818	Gmdrm	hypo	CHH	-0.0683
Gm03	34030828	34031771	Gmdrm	hypo	CHH	-0.1202
Gm03	34034546	34035127	Gmdrm	hypo	CHH	-0.0879
Gm03	34042494	34043445	Gmdrm	hypo	CHH	-0.0596
Gm03	34045067	34046067	Gmdrm	hypo	CHH	-0.0227
Gm03	34053012	34053911	Gmdrm	hypo	CHH	-0.0796
Gm03	34059991	34060949	Gmdrm	hypo	CHH	-0.2203
Gm03	34061024	34062020	Gmdrm	hypo	CHH	-0.1125

Gm03	34062028	34063009	Gmdrm	hypo	CHH	-0.0693
Gm03	34064862	34065811	Gmdrm	hypo	CHH	-0.0215
Gm03	34124697	34125694	Gmdrm	hypo	CHH	-0.08
Gm03	34128184	34129180	Gmdrm	hypo	CHH	-0.0196
Gm03	34161356	34162350	Gmdrm	hypo	CHH	-0.0441
Gm03	34163371	34164346	Gmdrm	hypo	CHH	-0.2789
Gm03	34165135	34166111	Gmdrm	hypo	CHH	-0.0178
Gm03	34173776	34174690	Gmdrm	hypo	CHH	-0.0138
Gm03	34174780	34175228	Gmdrm	hypo	CHH	-0.0267
Gm03	34175394	34176394	Gmdrm	hypo	CHH	-0.205
Gm03	34192400	34193393	Gmdrm	hypo	CHH	-0.0592
Gm03	34207359	34208357	Gmdrm	hypo	CHH	-0.0992
Gm03	34208363	34209361	Gmdrm	hypo	CHH	-0.0388
Gm03	34235385	34236384	Gmdrm	hypo	CHH	-0.0698
Gm03	34236398	34237396	Gmdrm	hypo	CHH	-0.0634
Gm03	34237400	34238383	Gmdrm	hypo	CHH	-0.0736
Gm03	34244454	34245441	Gmdrm	hypo	CHH	-0.0191
Gm03	34248898	34249882	Gmdrm	hypo	CHH	-0.0355
Gm03	34250957	34251297	Gmdrm	hypo	CHH	-0.0305
Gm03	34266372	34267361	Gmdrm	hypo	CHH	-0.0348
Gm03	34276707	34277375	Gmdrm	hypo	CHH	-0.2591
Gm03	34277902	34278894	Gmdrm	hypo	CHH	-0.0572
Gm03	34279917	34280917	Gmdrm	hypo	CHH	-0.06
Gm03	34285472	34285812	Gmdrm	hypo	CHH	-0.0486
Gm03	34318519	34319516	Gmdrm	hypo	CHH	-0.0252
Gm03	34333855	34334854	Gmdrm	hypo	CHH	-0.0092
Gm03	34350955	34351955	Gmdrm	hypo	CHH	-0.0389
Gm03	34367582	34368576	Gmdrm	hypo	CHH	-0.0539
Gm03	34368584	34369583	Gmdrm	hypo	CHH	-0.0441
Gm03	34382946	34383942	Gmdrm	hypo	CHH	-0.0128
Gm03	34383947	34384915	Gmdrm	hypo	CHH	-0.0458
Gm03	34385620	34386065	Gmdrm	hypo	CHH	-0.0196
Gm03	34397797	34398134	Gmdrm	hypo	CHH	-0.045
Gm03	34404410	34405406	Gmdrm	hypo	CHH	-0.127
Gm03	34412688	34413688	Gmdrm	hypo	CHH	-0.0408
Gm03	34423562	34424560	Gmdrm	hypo	CHH	-0.0234
Gm03	34429682	34430676	Gmdrm	hypo	CHH	-0.228
Gm03	34430684	34431682	Gmdrm	hypo	CHH	-0.0848
Gm03	34431685	34432683	Gmdrm	hypo	CHH	-0.0535
Gm03	34439221	34440204	Gmdrm	hypo	CHH	-0.1446
Gm03	34444126	34444255	Gmdrm	hypo	CHH	-0.108
Gm03	34447280	34448278	Gmdrm	hypo	CHH	-0.0777
Gm03	34448281	34449247	Gmdrm	hypo	CHH	-0.0621
Gm03	34456768	34457729	Gmdrm	hypo	CHH	-0.0305
Gm03	34459249	34460243	Gmdrm	hypo	CHH	-0.021
Gm03	34462289	34463282	Gmdrm	hypo	CHH	-0.0267

Gm03	34464299	34465297	Gmdrm	hypo	CHH	-0.1137
Gm03	34465306	34466304	Gmdrm	hypo	CHH	-0.0669
Gm03	34473642	34474637	Gmdrm	hypo	CHH	-0.1519
Gm03	34478922	34479907	Gmdrm	hypo	CHH	-0.0883
Gm03	34480500	34481331	Gmdrm	hypo	CHH	-0.0521
Gm03	34482037	34482299	Gmdrm	hypo	CHH	-0.0413
Gm03	34484457	34484639	Gmdrm	hypo	CHH	-0.038
Gm03	34494565	34495565	Gmdrm	hypo	CHH	-0.0298
Gm03	34513501	34513626	Gmdrm	hypo	CHH	-0.0333
Gm03	34528712	34529086	Gmdrm	hypo	CHH	-0.0522
Gm03	34530594	34531591	Gmdrm	hypo	CHH	-0.0727
Gm03	34531604	34532586	Gmdrm	hypo	CHH	-0.1433
Gm03	34539904	34540897	Gmdrm	hypo	CHH	-0.0508
Gm03	34541917	34542901	Gmdrm	hypo	CHH	-0.0479
Gm03	34549818	34550813	Gmdrm	hypo	CHH	-0.0783
Gm03	34558265	34559264	Gmdrm	hypo	CHH	-0.0673
Gm03	34559269	34560268	Gmdrm	hypo	CHH	-0.0527
Gm03	34560271	34561268	Gmdrm	hypo	CHH	-0.0919
Gm03	34561891	34562881	Gmdrm	hypo	CHH	-0.0664
Gm03	34564899	34565384	Gmdrm	hypo	CHH	-0.1038
Gm03	34565638	34566634	Gmdrm	hypo	CHH	-0.1039
Gm03	34567653	34568128	Gmdrm	hypo	CHH	-0.0892
Gm03	34568233	34569231	Gmdrm	hypo	CHH	-0.0584
Gm03	34569237	34570233	Gmdrm	hypo	CHH	-0.0695
Gm03	34570238	34571238	Gmdrm	hypo	CHH	-0.0792
Gm03	34572245	34573244	Gmdrm	hypo	CHH	-0.0632
Gm03	34573254	34574252	Gmdrm	hypo	CHH	-0.0812
Gm03	34574260	34574770	Gmdrm	hypo	CHH	-0.0906
Gm03	34574888	34575888	Gmdrm	hypo	CHH	-0.1015
Gm03	34575896	34576895	Gmdrm	hypo	CHH	-0.0528
Gm03	34576904	34577903	Gmdrm	hypo	CHH	-0.1084
Gm03	34592323	34593321	Gmdrm	hypo	CHH	-0.0163
Gm03	34594719	34595100	Gmdrm	hypo	CHH	-0.136
Gm03	34619082	34620052	Gmdrm	hypo	CHH	-0.067
Gm03	34622417	34623401	Gmdrm	hypo	CHH	-0.1557
Gm03	34623436	34624425	Gmdrm	hypo	CHH	-0.0396
Gm03	34628133	34629130	Gmdrm	hypo	CHH	-0.0963
Gm03	34633513	34634198	Gmdrm	hypo	CHH	-0.1524
Gm03	34634344	34635328	Gmdrm	hypo	CHH	-0.0128
Gm03	34636495	34637494	Gmdrm	hypo	CHH	-0.0652
Gm03	34660350	34661266	Gmdrm	hypo	CHH	-0.0668
Gm03	34663049	34664011	Gmdrm	hypo	CHH	-0.0298
Gm03	34665112	34666096	Gmdrm	hypo	CHH	-0.0465
Gm03	34666118	34667116	Gmdrm	hypo	CHH	-0.0236
Gm03	34669317	34670317	Gmdrm	hypo	CHH	-0.0179
Gm03	34670332	34671316	Gmdrm	hypo	CHH	-0.0108

Gm03	34674798	34675784	Gmdrm	hypo	CHH	-0.0154
Gm03	34694811	34695589	Gmdrm	hypo	CHH	-0.02
Gm03	34704662	34705657	Gmdrm	hypo	CHH	-0.0295
Gm03	34705669	34706667	Gmdrm	hypo	CHH	-0.0337
Gm03	34707696	34708689	Gmdrm	hypo	CHH	-0.0353
Gm03	34714037	34715031	Gmdrm	hypo	CHH	-0.036
Gm03	34715044	34716032	Gmdrm	hypo	CHH	-0.0389
Gm03	34730647	34731491	Gmdrm	hypo	CHH	-0.0106
Gm03	34731619	34732615	Gmdrm	hypo	CHH	-0.0143
Gm03	34743489	34744484	Gmdrm	hypo	CHH	-0.0486
Gm03	34744491	34745468	Gmdrm	hypo	CHH	-0.036
Gm03	34752511	34753481	Gmdrm	hypo	CHH	-0.1592
Gm03	34757546	34758236	Gmdrm	hypo	CHH	-0.0292
Gm03	34758692	34759316	Gmdrm	hypo	CHH	-0.0176
Gm03	34760540	34761539	Gmdrm	hypo	CHH	-0.0414
Gm03	34765925	34766776	Gmdrm	hypo	CHH	-0.0244
Gm03	34767253	34768211	Gmdrm	hypo	CHH	-0.0337
Gm03	34770373	34771328	Gmdrm	hypo	CHH	-0.0972
Gm03	34773567	34774566	Gmdrm	hypo	CHH	-0.2232
Gm03	34778744	34779742	Gmdrm	hypo	CHH	-0.0354
Gm03	34779752	34780656	Gmdrm	hypo	CHH	-0.0276
Gm03	34783693	34783991	Gmdrm	hypo	CHH	-0.0264
Gm03	34791021	34791267	Gmdrm	hypo	CHH	-0.1603
Gm03	34791588	34792582	Gmdrm	hypo	CHH	-0.0151
Gm03	34792649	34793646	Gmdrm	hypo	CHH	-0.0176
Gm03	34793656	34794650	Gmdrm	hypo	CHH	-0.0545
Gm03	34794876	34795874	Gmdrm	hypo	CHH	-0.0908
Gm03	34801426	34802416	Gmdrm	hypo	CHH	-0.065
Gm03	34804760	34804968	Gmdrm	hypo	CHH	-0.0894
Gm03	34806036	34807006	Gmdrm	hypo	CHH	-0.0925
Gm03	34807049	34808043	Gmdrm	hypo	CHH	-0.044
Gm03	34831528	34832430	Gmdrm	hypo	CHH	-0.0176
Gm03	34847234	34847634	Gmdrm	hypo	CHH	-0.0313
Gm03	34853148	34854142	Gmdrm	hypo	CHH	-0.0679
Gm03	34854153	34854953	Gmdrm	hypo	CHH	-0.2936
Gm03	34858259	34859255	Gmdrm	hypo	CHH	-0.017
Gm03	34861243	34862238	Gmdrm	hypo	CHH	-0.125
Gm03	34884593	34885592	Gmdrm	hypo	CHH	-0.1302
Gm03	34888071	34889058	Gmdrm	hypo	CHH	-0.0798
Gm03	34903963	34904963	Gmdrm	hypo	CHH	-0.0235
Gm03	34909377	34910327	Gmdrm	hypo	CHH	-0.0232
Gm03	34917192	34918192	Gmdrm	hypo	CHH	-0.0799
Gm03	34918218	34919192	Gmdrm	hypo	CHH	-0.042
Gm03	34921929	34922922	Gmdrm	hypo	CHH	-0.1182
Gm03	34929174	34930144	Gmdrm	hypo	CHH	-0.0176
Gm03	34930435	34930720	Gmdrm	hypo	CHH	-0.0772

Gm03	34931136	34932136	Gmdrm	hypo	CHH	-0.1756
Gm03	34932139	34932704	Gmdrm	hypo	CHH	-0.1934
Gm03	34948975	34949975	Gmdrm	hypo	CHH	-0.0899
Gm03	34955133	34955285	Gmdrm	hypo	CHH	-0.1638
Gm03	34958439	34959431	Gmdrm	hypo	CHH	-0.0118
Gm03	34977055	34978042	Gmdrm	hypo	CHH	-0.2245
Gm03	34978057	34978433	Gmdrm	hypo	CHH	-0.0276
Gm03	34979027	34979182	Gmdrm	hypo	CHH	-0.041
Gm03	34980348	34981348	Gmdrm	hypo	CHH	-0.1318
Gm03	34981355	34982346	Gmdrm	hypo	CHH	-0.0515
Gm03	34987390	34988341	Gmdrm	hypo	CHH	-0.0429
Gm03	34988838	34989838	Gmdrm	hypo	CHH	-0.1297
Gm03	34990906	34991902	Gmdrm	hypo	CHH	-0.2281
Gm03	34991921	34992900	Gmdrm	hypo	CHH	-0.0953
Gm03	35002535	35003174	Gmdrm	hypo	CHH	-0.0965
Gm03	35007692	35008692	Gmdrm	hypo	CHH	-0.051
Gm03	35040875	35041874	Gmdrm	hypo	CHH	-0.0215
Gm03	35041894	35042866	Gmdrm	hypo	CHH	-0.0175
Gm03	35043940	35044306	Gmdrm	hypo	CHH	-0.3203
Gm03	35048400	35049398	Gmdrm	hypo	CHH	-0.0959
Gm03	35049402	35049931	Gmdrm	hypo	CHH	-0.1704
Gm03	35050058	35051057	Gmdrm	hypo	CHH	-0.0774
Gm03	35052089	35053087	Gmdrm	hypo	CHH	-0.0491
Gm03	35053093	35054088	Gmdrm	hypo	CHH	-0.0811
Gm03	35055163	35055839	Gmdrm	hypo	CHH	-0.0219
Gm03	35056089	35057077	Gmdrm	hypo	CHH	-0.0157
Gm03	35061332	35062332	Gmdrm	hypo	CHH	-0.0196
Gm03	35062347	35062773	Gmdrm	hypo	CHH	-0.044
Gm03	35063041	35064032	Gmdrm	hypo	CHH	-0.0171
Gm03	35066088	35067083	Gmdrm	hypo	CHH	-0.0443
Gm03	35067091	35068052	Gmdrm	hypo	CHH	-0.059
Gm03	35069478	35070447	Gmdrm	hypo	CHH	-0.0662
Gm03	35070518	35071497	Gmdrm	hypo	CHH	-0.0728
Gm03	35076853	35077846	Gmdrm	hypo	CHH	-0.0824
Gm03	35077855	35078768	Gmdrm	hypo	CHH	-0.0937
Gm03	35078915	35079914	Gmdrm	hypo	CHH	-0.0405
Gm03	35090624	35091603	Gmdrm	hypo	CHH	-0.1018
Gm03	35100421	35101409	Gmdrm	hypo	CHH	-0.0404
Gm03	35108201	35109200	Gmdrm	hypo	CHH	-0.0344
Gm03	35139447	35140427	Gmdrm	hypo	CHH	-0.0419
Gm03	35147717	35148692	Gmdrm	hypo	CHH	-0.0111
Gm03	35151971	35152941	Gmdrm	hypo	CHH	-0.0553
Gm03	35153010	35153978	Gmdrm	hypo	CHH	-0.1531
Gm03	35166211	35166788	Gmdrm	hypo	CHH	-0.0356
Gm03	35167371	35168313	Gmdrm	hypo	CHH	-0.3687
Gm03	35171556	35172071	Gmdrm	hypo	CHH	-0.017

Gm03	35173367	35174365	Gmdrm	hypo	CHH	-0.0198
Gm03	35176372	35177186	Gmdrm	hypo	CHH	-0.0467
Gm03	35178717	35178813	Gmdrm	hypo	CHH	-0.066
Gm03	35189043	35190019	Gmdrm	hypo	CHH	-0.0348
Gm03	35190050	35191036	Gmdrm	hypo	CHH	-0.0403
Gm03	35191054	35192052	Gmdrm	hypo	CHH	-0.0152
Gm03	35195755	35196732	Gmdrm	hypo	CHH	-0.0161
Gm03	35198768	35199323	Gmdrm	hypo	CHH	-0.0288
Gm03	35204204	35205202	Gmdrm	hypo	CHH	-0.0521
Gm03	35217684	35218682	Gmdrm	hypo	CHH	-0.0396
Gm03	35218702	35219695	Gmdrm	hypo	CHH	-0.0419
Gm03	35219706	35220695	Gmdrm	hypo	CHH	-0.0169
Gm03	35220730	35221385	Gmdrm	hypo	CHH	-0.0233
Gm03	35232201	35233163	Gmdrm	hypo	CHH	-0.0228
Gm03	35241481	35242475	Gmdrm	hypo	CHH	-0.0113
Gm03	35254464	35255415	Gmdrm	hypo	CHH	-0.0691
Gm03	35270983	35271954	Gmdrm	hypo	CHH	-0.0357
Gm03	35271996	35272988	Gmdrm	hypo	CHH	-0.0151
Gm03	35276128	35277111	Gmdrm	hypo	CHH	-0.0824
Gm03	35284228	35285225	Gmdrm	hypo	CHH	-0.0634
Gm03	35285230	35286200	Gmdrm	hypo	CHH	-0.1087
Gm03	35286231	35286451	Gmdrm	hypo	CHH	-0.1509
Gm03	35295231	35296229	Gmdrm	hypo	CHH	-0.0342
Gm03	35296234	35297224	Gmdrm	hypo	CHH	-0.1086
Gm03	35297238	35298236	Gmdrm	hypo	CHH	-0.0787
Gm03	35298240	35299238	Gmdrm	hypo	CHH	-0.1265
Gm03	35299243	35300242	Gmdrm	hypo	CHH	-0.1201
Gm03	35300269	35301264	Gmdrm	hypo	CHH	-0.0841
Gm03	35301281	35302207	Gmdrm	hypo	CHH	-0.1152
Gm03	35302351	35302907	Gmdrm	hypo	CHH	-0.081
Gm03	35310612	35311592	Gmdrm	hypo	CHH	-0.0655
Gm03	35314760	35315706	Gmdrm	hypo	CHH	-0.2444
Gm03	35320295	35321285	Gmdrm	hypo	CHH	-0.0252
Gm03	35329828	35330766	Gmdrm	hypo	CHH	-0.0159
Gm03	35338463	35339445	Gmdrm	hypo	CHH	-0.1681
Gm03	35339470	35340296	Gmdrm	hypo	CHH	-0.2065
Gm03	35340555	35341543	Gmdrm	hypo	CHH	-0.0965
Gm03	35341799	35342793	Gmdrm	hypo	CHH	-0.058
Gm03	35342809	35343787	Gmdrm	hypo	CHH	-0.0232
Gm03	35349289	35350211	Gmdrm	hypo	CHH	-0.0259
Gm03	35354630	35354769	Gmdrm	hypo	CHH	-0.0617
Gm03	35356679	35357659	Gmdrm	hypo	CHH	-0.0259
Gm03	35357691	35358689	Gmdrm	hypo	CHH	-0.0219
Gm03	35358692	35359688	Gmdrm	hypo	CHH	-0.0738
Gm03	35361710	35362689	Gmdrm	hypo	CHH	-0.0416
Gm03	35362715	35363713	Gmdrm	hypo	CHH	-0.0674

Gm03	35367775	35368731	Gmdrm	hypo	CHH	-0.0249
Gm03	35371572	35372000	Gmdrm	hypo	CHH	-0.039
Gm03	35374067	35374593	Gmdrm	hypo	CHH	-0.027
Gm03	35377051	35378042	Gmdrm	hypo	CHH	-0.0444
Gm03	35378052	35379023	Gmdrm	hypo	CHH	-0.0244
Gm03	35386059	35387055	Gmdrm	hypo	CHH	-0.0276
Gm03	35391183	35391588	Gmdrm	hypo	CHH	-0.3977
Gm03	35393118	35394065	Gmdrm	hypo	CHH	-0.0202
Gm03	35395784	35396353	Gmdrm	hypo	CHH	-0.2443
Gm03	35397766	35398763	Gmdrm	hypo	CHH	-0.0525
Gm03	35417170	35418160	Gmdrm	hypo	CHH	-0.2445
Gm03	35418186	35418799	Gmdrm	hypo	CHH	-0.2773
Gm03	35418952	35419933	Gmdrm	hypo	CHH	-0.1458
Gm03	35422745	35423738	Gmdrm	hypo	CHH	-0.0234
Gm03	35424776	35425758	Gmdrm	hypo	CHH	-0.0236
Gm03	35425828	35426827	Gmdrm	hypo	CHH	-0.0565
Gm03	35439531	35440520	Gmdrm	hypo	CHH	-0.0129
Gm03	35443540	35444526	Gmdrm	hypo	CHH	-0.0179
Gm03	35447780	35448776	Gmdrm	hypo	CHH	-0.0805
Gm03	35448786	35449784	Gmdrm	hypo	CHH	-0.1001
Gm03	35449791	35450790	Gmdrm	hypo	CHH	-0.078
Gm03	35450794	35451774	Gmdrm	hypo	CHH	-0.0586
Gm03	35453901	35454898	Gmdrm	hypo	CHH	-0.1046
Gm03	35454914	35455889	Gmdrm	hypo	CHH	-0.1207
Gm03	35455947	35456914	Gmdrm	hypo	CHH	-0.0746
Gm03	35456955	35457943	Gmdrm	hypo	CHH	-0.2139
Gm03	35458101	35459097	Gmdrm	hypo	CHH	-0.0334
Gm03	35459106	35460101	Gmdrm	hypo	CHH	-0.0333
Gm03	35472931	35473253	Gmdrm	hypo	CHH	-0.0205
Gm03	35497862	35498862	Gmdrm	hypo	CHH	-0.0533
Gm03	35514007	35514981	Gmdrm	hypo	CHH	-0.0199
Gm03	35517101	35518070	Gmdrm	hypo	CHH	-0.028
Gm03	35536200	35537185	Gmdrm	hypo	CHH	-0.0702
Gm03	35537266	35538266	Gmdrm	hypo	CHH	-0.0218
Gm03	35546490	35547431	Gmdrm	hypo	CHH	-0.0134
Gm03	35553588	35554585	Gmdrm	hypo	CHH	-0.0647
Gm03	35556674	35557673	Gmdrm	hypo	CHH	-0.0551
Gm03	35557687	35558687	Gmdrm	hypo	CHH	-0.0491
Gm03	35564309	35565303	Gmdrm	hypo	CHH	-0.0129
Gm03	35565317	35566306	Gmdrm	hypo	CHH	-0.0217
Gm03	35567529	35568370	Gmdrm	hypo	CHH	-0.0206
Gm03	35574335	35575333	Gmdrm	hypo	CHH	-0.2407
Gm03	35581736	35582730	Gmdrm	hypo	CHH	-0.0609
Gm03	35582739	35583721	Gmdrm	hypo	CHH	-0.054
Gm03	35583745	35584720	Gmdrm	hypo	CHH	-0.0233
Gm03	35592867	35593026	Gmdrm	hypo	CHH	-0.0567

Gm03	35598708	35598885	Gmdrm	hypo	CHH	-0.0917
Gm03	35605139	35606139	Gmdrm	hypo	CHH	-0.0156
Gm03	35619934	35620929	Gmdrm	hypo	CHH	-0.0139
Gm03	35620935	35621925	Gmdrm	hypo	CHH	-0.0216
Gm03	35621941	35622931	Gmdrm	hypo	CHH	-0.0426
Gm03	35622954	35623950	Gmdrm	hypo	CHH	-0.1508
Gm03	35623979	35624979	Gmdrm	hypo	CHH	-0.0741
Gm03	35624980	35625971	Gmdrm	hypo	CHH	-0.0978
Gm03	35628939	35629927	Gmdrm	hypo	CHH	-0.0171
Gm03	35635544	35635934	Gmdrm	hypo	CHH	-0.0178
Gm03	35647043	35647999	Gmdrm	hypo	CHH	-0.025
Gm03	35649291	35650286	Gmdrm	hypo	CHH	-0.0949
Gm03	35650297	35651292	Gmdrm	hypo	CHH	-0.0869
Gm03	35652317	35653293	Gmdrm	hypo	CHH	-0.0588
Gm03	35653334	35654320	Gmdrm	hypo	CHH	-0.0299
Gm03	35665440	35666434	Gmdrm	hypo	CHH	-0.1581
Gm03	35666442	35667428	Gmdrm	hypo	CHH	-0.0989
Gm03	35667460	35668420	Gmdrm	hypo	CHH	-0.0259
Gm03	35668492	35669489	Gmdrm	hypo	CHH	-0.1104
Gm03	35669510	35670501	Gmdrm	hypo	CHH	-0.0193
Gm03	35685583	35686580	Gmdrm	hypo	CHH	-0.0344
Gm03	35690270	35691264	Gmdrm	hypo	CHH	-0.0405
Gm03	35694377	35695376	Gmdrm	hypo	CHH	-0.0941
Gm03	35695378	35696364	Gmdrm	hypo	CHH	-0.0258
Gm03	35697414	35698031	Gmdrm	hypo	CHH	-0.0756
Gm03	35698956	35699944	Gmdrm	hypo	CHH	-0.0533
Gm03	35700266	35701266	Gmdrm	hypo	CHH	-0.1009
Gm03	35701274	35702269	Gmdrm	hypo	CHH	-0.0689
Gm03	35710975	35711967	Gmdrm	hypo	CHH	-0.0456
Gm03	35711977	35712975	Gmdrm	hypo	CHH	-0.0485
Gm03	35716527	35717523	Gmdrm	hypo	CHH	-0.0266
Gm03	35723071	35724070	Gmdrm	hypo	CHH	-0.0682
Gm03	35728459	35729458	Gmdrm	hypo	CHH	-0.0498
Gm03	35742953	35743856	Gmdrm	hypo	CHH	-0.0186
Gm03	35746868	35747677	Gmdrm	hypo	CHH	-0.1158
Gm03	35748620	35749612	Gmdrm	hypo	CHH	-0.018
Gm03	35755330	35755704	Gmdrm	hypo	CHH	-0.052
Gm03	35755828	35756076	Gmdrm	hypo	CHH	-0.0634
Gm03	35759500	35760500	Gmdrm	hypo	CHH	-0.0333
Gm03	35760508	35761508	Gmdrm	hypo	CHH	-0.0453
Gm03	35761509	35762509	Gmdrm	hypo	CHH	-0.0586
Gm03	35762512	35763298	Gmdrm	hypo	CHH	-0.0296
Gm03	35763408	35763972	Gmdrm	hypo	CHH	-0.0215
Gm03	35769570	35769642	Gmdrm	hypo	CHH	-0.0686
Gm03	35772999	35773873	Gmdrm	hypo	CHH	-0.1147
Gm03	35775340	35776336	Gmdrm	hypo	CHH	-0.1169

Gm03	35776349	35777303	Gmdrm	hypo	CHH	-0.1587
Gm03	35778369	35779359	Gmdrm	hypo	CHH	-0.016
Gm03	35781334	35782269	Gmdrm	hypo	CHH	-0.0236
Gm03	35782369	35783364	Gmdrm	hypo	CHH	-0.1376
Gm03	35783382	35784357	Gmdrm	hypo	CHH	-0.02
Gm03	35788496	35789465	Gmdrm	hypo	CHH	-0.1305
Gm03	35789948	35790936	Gmdrm	hypo	CHH	-0.0616
Gm03	35792257	35793241	Gmdrm	hypo	CHH	-0.0632
Gm03	35800212	35801198	Gmdrm	hypo	CHH	-0.0583
Gm03	35805979	35806965	Gmdrm	hypo	CHH	-0.062
Gm03	35808036	35808743	Gmdrm	hypo	CHH	-0.04
Gm03	35808880	35809879	Gmdrm	hypo	CHH	-0.0681
Gm03	35809881	35810871	Gmdrm	hypo	CHH	-0.069
Gm03	35810882	35811834	Gmdrm	hypo	CHH	-0.025
Gm03	35816034	35817022	Gmdrm	hypo	CHH	-0.0265
Gm03	35821085	35821814	Gmdrm	hypo	CHH	-0.0269
Gm03	35824449	35825423	Gmdrm	hypo	CHH	-0.0168
Gm03	35827510	35828509	Gmdrm	hypo	CHH	-0.064
Gm03	35828512	35829507	Gmdrm	hypo	CHH	-0.0714
Gm03	35833839	35833962	Gmdrm	hypo	CHH	-0.0463
Gm03	35839787	35840753	Gmdrm	hypo	CHH	-0.034
Gm03	35841623	35842585	Gmdrm	hypo	CHH	-0.0156
Gm03	35843262	35844262	Gmdrm	hypo	CHH	-0.0965
Gm03	35848342	35848619	Gmdrm	hypo	CHH	-0.1634
Gm03	35849733	35850715	Gmdrm	hypo	CHH	-0.0114
Gm03	35850741	35851722	Gmdrm	hypo	CHH	-0.0185
Gm03	35860310	35861274	Gmdrm	hypo	CHH	-0.1753
Gm03	35864416	35865398	Gmdrm	hypo	CHH	-0.0344
Gm03	35868395	35869395	Gmdrm	hypo	CHH	-0.3748
Gm03	35876486	35877140	Gmdrm	hypo	CHH	-0.0204
Gm03	35878291	35879217	Gmdrm	hypo	CHH	-0.469
Gm03	35880662	35881651	Gmdrm	hypo	CHH	-0.0161
Gm03	35883545	35884535	Gmdrm	hypo	CHH	-0.0264
Gm03	35884561	35885386	Gmdrm	hypo	CHH	-0.0482
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Gm03	35892369	35893368	Gmdrm	hypo	CHH	-0.026
Gm03	35893372	35894366	Gmdrm	hypo	CHH	-0.1063
Gm03	35895414	35896411	Gmdrm	hypo	CHH	-0.0435
Gm03	35896416	35897402	Gmdrm	hypo	CHH	-0.076
Gm03	35899589	35900588	Gmdrm	hypo	CHH	-0.0293
Gm03	35906864	35907854	Gmdrm	hypo	CHH	-0.0174
Gm03	35915514	35916513	Gmdrm	hypo	CHH	-0.0639
Gm03	35930493	35931488	Gmdrm	hypo	CHH	-0.0245
Gm03	35931506	35932505	Gmdrm	hypo	CHH	-0.0228
Gm03	35939686	35940684	Gmdrm	hypo	CHH	-0.0137
Gm03	35943719	35944710	Gmdrm	hypo	CHH	-0.0816

Gm03	35944722	35945700	Gmdrm	hypo	CHH	-0.0814
Gm03	35945724	35946703	Gmdrm	hypo	CHH	-0.0148
Gm03	35949770	35950770	Gmdrm	hypo	CHH	-0.2332
Gm03	35950775	35951518	Gmdrm	hypo	CHH	-0.0338
Gm03	35960584	35961583	Gmdrm	hypo	CHH	-0.0145
Gm03	35964635	35965610	Gmdrm	hypo	CHH	-0.0909
Gm03	35980916	35981910	Gmdrm	hypo	CHH	-0.0458
Gm03	35983944	35984944	Gmdrm	hypo	CHH	-0.0583
Gm03	35988235	35989207	Gmdrm	hypo	CHH	-0.0504
Gm03	35992975	35993972	Gmdrm	hypo	CHH	-0.0473
Gm03	36001106	36002105	Gmdrm	hypo	CHH	-0.1576
Gm03	36002109	36003106	Gmdrm	hypo	CHH	-0.0718
Gm03	36007374	36008240	Gmdrm	hypo	CHH	-0.1494
Gm03	36013904	36014347	Gmdrm	hypo	CHH	-0.0186
Gm03	36018786	36019774	Gmdrm	hypo	CHH	-0.0206
Gm03	36031278	36032268	Gmdrm	hypo	CHH	-0.0178
Gm03	36035298	36036295	Gmdrm	hypo	CHH	-0.1049
Gm03	36048921	36049920	Gmdrm	hypo	CHH	-0.0858
Gm03	36054942	36055937	Gmdrm	hypo	CHH	-0.1096
Gm03	36066702	36067700	Gmdrm	hypo	CHH	-0.0146
Gm03	36068742	36069720	Gmdrm	hypo	CHH	-0.2017
Gm03	36093095	36094092	Gmdrm	hypo	CHH	-0.0244
Gm03	36112329	36113329	Gmdrm	hypo	CHH	-0.0312
Gm03	36113347	36114343	Gmdrm	hypo	CHH	-0.0736
Gm03	36114364	36115359	Gmdrm	hypo	CHH	-0.0618
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Gm03	36116630	36117628	Gmdrm	hypo	CHH	-0.1138
Gm03	36123666	36124634	Gmdrm	hypo	CHH	-0.0775
Gm03	36128119	36128569	Gmdrm	hypo	CHH	-0.0405
Gm03	36129918	36130914	Gmdrm	hypo	CHH	-0.0203
Gm03	36130937	36131758	Gmdrm	hypo	CHH	-0.0278
Gm03	36134422	36135421	Gmdrm	hypo	CHH	-0.0149
Gm03	36139482	36140476	Gmdrm	hypo	CHH	-0.2265
Gm03	36140519	36141514	Gmdrm	hypo	CHH	-0.1191
Gm03	36144555	36145536	Gmdrm	hypo	CHH	-0.0276
Gm03	36156286	36156879	Gmdrm	hypo	CHH	-0.0336
Gm03	36156988	36157228	Gmdrm	hypo	CHH	-0.1088
Gm03	36157329	36158320	Gmdrm	hypo	CHH	-0.027
Gm03	36161353	36162309	Gmdrm	hypo	CHH	-0.0162
Gm03	36164688	36165179	Gmdrm	hypo	CHH	-0.0525
Gm03	36165329	36166312	Gmdrm	hypo	CHH	-0.1383
Gm03	36168620	36169615	Gmdrm	hypo	CHH	-0.1833
Gm03	36170393	36171359	Gmdrm	hypo	CHH	-0.0153
Gm03	36178184	36179176	Gmdrm	hypo	CHH	-0.1015
Gm03	36179197	36180155	Gmdrm	hypo	CHH	-0.0369
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Gm03	36181270	36182247 Gmdrm	hypo	CHH	-0.0582
Gm03	36186317	36186827 Gmdrm	hypo	CHH	-0.5737
Gm03	36190509	36191506 Gmdrm	hypo	CHH	-0.0264
Gm03	36193556	36194551 Gmdrm	hypo	CHH	-0.0872
Gm03	36194557	36195549 Gmdrm	hypo	CHH	-0.0669
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Gm03	36218904	36219903 Gmdrm	hypo	CHH	-0.1141
Gm03	36224086	36225085 Gmdrm	hypo	CHH	-0.0158
Gm03	36227211	36228211 Gmdrm	hypo	CHH	-0.011
Gm03	36233301	36233883 Gmdrm	hypo	CHH	-0.0865
Gm03	36235224	36235508 Gmdrm	hypo	CHH	-0.0375
Gm03	36251954	36252950 Gmdrm	hypo	CHH	-0.0272
Gm03	36252957	36253955 Gmdrm	hypo	CHH	-0.0845
Gm03	36258013	36259010 Gmdrm	hypo	CHH	-0.068
Gm03	36259015	36259799 Gmdrm	hypo	CHH	-0.048
Gm03	36259954	36260943 Gmdrm	hypo	CHH	-0.0936
Gm03	36270834	36271824 Gmdrm	hypo	CHH	-0.1102
Gm03	36271840	36272838 Gmdrm	hypo	CHH	-0.1174
Gm03	36272875	36273845 Gmdrm	hypo	CHH	-0.0162
Gm03	36280180	36281163 Gmdrm	hypo	CHH	-0.0478
Gm03	36283557	36284514 Gmdrm	hypo	CHH	-0.0717
Gm03	36284569	36285216 Gmdrm	hypo	CHH	-0.0198
Gm03	36294347	36295304 Gmdrm	hypo	CHH	-0.0542
Gm03	36298855	36299853 Gmdrm	hypo	CHH	-0.0382
Gm03	36299866	36300859 Gmdrm	hypo	CHH	-0.1366
Gm03	36300868	36301867 Gmdrm	hypo	CHH	-0.0767
Gm03	36312331	36313312 Gmdrm	hypo	CHH	-0.0418
Gm03	36313335	36314321 Gmdrm	hypo	CHH	-0.0399
Gm03	36314339	36315335 Gmdrm	hypo	CHH	-0.0145
Gm03	36316354	36316638 Gmdrm	hypo	CHH	-0.0229
Gm03	36325815	36326814 Gmdrm	hypo	CHH	-0.1047
Gm03	36326818	36327204 Gmdrm	hypo	CHH	-0.0563
Gm03	36327344	36328326 Gmdrm	hypo	CHH	-0.0142
Gm03	36329447	36330446 Gmdrm	hypo	CHH	-0.0229
Gm03	36347856	36348831 Gmdrm	hypo	CHH	-0.0505
Gm03	36348869	36349868 Gmdrm	hypo	CHH	-0.1025
Gm03	36349870	36350865 Gmdrm	hypo	CHH	-0.1208
Gm03	36350874	36351393 Gmdrm	hypo	CHH	-0.1018
Gm03	36351537	36352528 Gmdrm	hypo	CHH	-0.0543
Gm03	36354912	36355899 Gmdrm	hypo	CHH	-0.0147
Gm03	36363992	36364524 Gmdrm	hypo	CHH	-0.0412
Gm03	36369806	36370180 Gmdrm	hypo	CHH	-0.0732
Gm03	36371297	36372269 Gmdrm	hypo	CHH	-0.0279
Gm03	36376086	36377086 Gmdrm	hypo	CHH	-0.106
Gm03	36377115	36377845 Gmdrm	hypo	CHH	-0.0358

Gm03	36391324	36392313	Gmdrm	hypo	CHH	-0.1261
Gm03	36399732	36400721	Gmdrm	hypo	CHH	-0.0408
Gm03	36429587	36430585	Gmdrm	hypo	CHH	-0.1739
Gm03	36430590	36431583	Gmdrm	hypo	CHH	-0.1649
Gm03	36434332	36435311	Gmdrm	hypo	CHH	-0.017
Gm03	36435340	36436340	Gmdrm	hypo	CHH	-0.0294
Gm03	36454767	36455749	Gmdrm	hypo	CHH	-0.0971
Gm03	36469891	36470499	Gmdrm	hypo	CHH	-0.0206
Gm03	36475035	36476024	Gmdrm	hypo	CHH	-0.016
Gm03	36478168	36478448	Gmdrm	hypo	CHH	-0.0439
Gm03	36481394	36481460	Gmdrm	hypo	CHH	-0.04
Gm03	36484158	36485158	Gmdrm	hypo	CHH	-0.0998
Gm03	36486317	36486987	Gmdrm	hypo	CHH	-0.027
Gm03	36488127	36489117	Gmdrm	hypo	CHH	-0.0501
Gm03	36489162	36489607	Gmdrm	hypo	CHH	-0.0289
Gm03	36492854	36493267	Gmdrm	hypo	CHH	-0.026
Gm03	36507284	36508282	Gmdrm	hypo	CHH	-0.0151
Gm03	36508288	36509279	Gmdrm	hypo	CHH	-0.0421
Gm03	36513618	36514611	Gmdrm	hypo	CHH	-0.0119
Gm03	36524613	36525599	Gmdrm	hypo	CHH	-0.0186
Gm03	36528057	36529044	Gmdrm	hypo	CHH	-0.0244
Gm03	36532622	36533607	Gmdrm	hypo	CHH	-0.0562
Gm03	36537338	36537715	Gmdrm	hypo	CHH	-0.0441
Gm03	36537880	36538831	Gmdrm	hypo	CHH	-0.0241
Gm03	36539937	36540921	Gmdrm	hypo	CHH	-0.0458
Gm03	36540942	36541187	Gmdrm	hypo	CHH	-0.5471
Gm03	36541328	36542305	Gmdrm	hypo	CHH	-0.062
Gm03	36543345	36544165	Gmdrm	hypo	CHH	-0.2585
Gm03	36547434	36547804	Gmdrm	hypo	CHH	-0.0471
Gm03	36550792	36551761	Gmdrm	hypo	CHH	-0.0279
Gm03	36553703	36553936	Gmdrm	hypo	CHH	-0.0205
Gm03	36559028	36559777	Gmdrm	hypo	CHH	-0.0559
Gm03	36560653	36561653	Gmdrm	hypo	CHH	-0.0335
Gm03	36574875	36575875	Gmdrm	hypo	CHH	-0.0339
Gm03	36575877	36576851	Gmdrm	hypo	CHH	-0.0189
Gm03	36576882	36577865	Gmdrm	hypo	CHH	-0.0418
Gm03	36577885	36578369	Gmdrm	hypo	CHH	-0.0481
Gm03	36579330	36580029	Gmdrm	hypo	CHH	-0.0395
Gm03	36583265	36584238	Gmdrm	hypo	CHH	-0.0228
Gm03	36590021	36591019	Gmdrm	hypo	CHH	-0.0458
Gm03	36591022	36591946	Gmdrm	hypo	CHH	-0.362
Gm03	36593056	36594049	Gmdrm	hypo	CHH	-0.2217
Gm03	36602361	36603351	Gmdrm	hypo	CHH	-0.0278
Gm03	36603364	36604345	Gmdrm	hypo	CHH	-0.0867
Gm03	36640488	36641437	Gmdrm	hypo	CHH	-0.0164
Gm03	36646315	36647310	Gmdrm	hypo	CHH	-0.1134

Gm03	36647322	36648164	Gmdrm	hypo	CHH	-0.0491
Gm03	36650315	36651311	Gmdrm	hypo	CHH	-0.0169
Gm03	36664726	36665690	Gmdrm	hypo	CHH	-0.0155
Gm03	36686688	36687682	Gmdrm	hypo	CHH	-0.0972
Gm03	36690282	36691189	Gmdrm	hypo	CHH	-0.0477
Gm03	36699192	36700171	Gmdrm	hypo	CHH	-0.0726
Gm03	36716543	36717355	Gmdrm	hypo	CHH	-0.0351
Gm03	36733585	36734584	Gmdrm	hypo	CHH	-0.1205
Gm03	36734601	36735601	Gmdrm	hypo	CHH	-0.0482
Gm03	36741662	36742655	Gmdrm	hypo	CHH	-0.0754
Gm03	36742683	36743674	Gmdrm	hypo	CHH	-0.1494
Gm03	36744492	36745488	Gmdrm	hypo	CHH	-0.0154
Gm03	36746222	36746936	Gmdrm	hypo	CHH	-0.0409
Gm03	36755382	36756338	Gmdrm	hypo	CHH	-0.128
Gm03	36759291	36760283	Gmdrm	hypo	CHH	-0.084
Gm03	36767506	36768486	Gmdrm	hypo	CHH	-0.0159
Gm03	36770039	36771038	Gmdrm	hypo	CHH	-0.0122
Gm03	36772056	36773050	Gmdrm	hypo	CHH	-0.0528
Gm03	36782146	36783139	Gmdrm	hypo	CHH	-0.0309
Gm03	36802095	36803087	Gmdrm	hypo	CHH	-0.0627
Gm03	36803098	36804094	Gmdrm	hypo	CHH	-0.0482
Gm03	36807601	36808234	Gmdrm	hypo	CHH	-0.1772
Gm03	36816149	36817147	Gmdrm	hypo	CHH	-0.0131
Gm03	36817170	36818170	Gmdrm	hypo	CHH	-0.0164
Gm03	36837333	36838302	Gmdrm	hypo	CHH	-0.0558
Gm03	36839351	36840343	Gmdrm	hypo	CHH	-0.1596
Gm03	36840356	36841117	Gmdrm	hypo	CHH	-0.2921
Gm03	36852470	36853459	Gmdrm	hypo	CHH	-0.132
Gm03	36856879	36857223	Gmdrm	hypo	CHH	-0.0821
Gm03	36860344	36861339	Gmdrm	hypo	CHH	-0.0104
Gm03	36861378	36862347	Gmdrm	hypo	CHH	-0.0128
Gm03	36865392	36866111	Gmdrm	hypo	CHH	-0.0217
Gm03	36869892	36870075	Gmdrm	hypo	CHH	-0.213
Gm03	36870286	36870437	Gmdrm	hypo	CHH	-0.04
Gm03	36875844	36876838	Gmdrm	hypo	CHH	-0.0098
Gm03	36879607	36880096	Gmdrm	hypo	CHH	-0.0249
Gm03	36900320	36901254	Gmdrm	hypo	CHH	-0.0148
Gm03	36902394	36903307	Gmdrm	hypo	CHH	-0.2157
Gm03	36904800	36905492	Gmdrm	hypo	CHH	-0.2232
Gm03	36906605	36907547	Gmdrm	hypo	CHH	-0.2193
Gm03	36908721	36909693	Gmdrm	hypo	CHH	-0.1005
Gm03	36917221	36918211	Gmdrm	hypo	CHH	-0.0979
Gm03	36918227	36919212	Gmdrm	hypo	CHH	-0.0609
Gm03	36935483	36936480	Gmdrm	hypo	CHH	-0.1295
Gm03	36936485	36937484	Gmdrm	hypo	CHH	-0.1754
Gm03	36937506	36938493	Gmdrm	hypo	CHH	-0.1691

Gm03	36938545	36939540	Gmdrm	hypo	CHH	-0.0164
Gm03	36940586	36941579	Gmdrm	hypo	CHH	-0.0087
Gm03	36945876	36946874	Gmdrm	hypo	CHH	-0.0523
Gm03	36946877	36947850	Gmdrm	hypo	CHH	-0.2026
Gm03	36948370	36949356	Gmdrm	hypo	CHH	-0.2394
Gm03	36949374	36950347	Gmdrm	hypo	CHH	-0.2455
Gm03	36950384	36951350	Gmdrm	hypo	CHH	-0.029
Gm03	36953991	36954987	Gmdrm	hypo	CHH	-0.2561
Gm03	36957838	36958270	Gmdrm	hypo	CHH	-0.0195
Gm03	36961072	36962072	Gmdrm	hypo	CHH	-0.044
Gm03	36962073	36963065	Gmdrm	hypo	CHH	-0.0904
Gm03	36964090	36965090	Gmdrm	hypo	CHH	-0.0159
Gm03	36965637	36966636	Gmdrm	hypo	CHH	-0.0332
Gm03	36966643	36967640	Gmdrm	hypo	CHH	-0.1979
Gm03	36967657	36968653	Gmdrm	hypo	CHH	-0.1377
Gm03	36968665	36969181	Gmdrm	hypo	CHH	-0.1132
Gm03	36969342	36970326	Gmdrm	hypo	CHH	-0.1064
Gm03	36974651	36975651	Gmdrm	hypo	CHH	-0.0455
Gm03	36975656	36976628	Gmdrm	hypo	CHH	-0.0278
Gm03	36984835	36985778	Gmdrm	hypo	CHH	-0.1516
Gm03	36986498	36987496	Gmdrm	hypo	CHH	-0.0165
Gm03	37004754	37005293	Gmdrm	hypo	CHH	-0.0422
Gm03	37005416	37006395	Gmdrm	hypo	CHH	-0.0557
Gm03	37006434	37006607	Gmdrm	hypo	CHH	-0.0247
Gm03	37006970	37007956	Gmdrm	hypo	CHH	-0.14
Gm03	37011586	37011841	Gmdrm	hypo	CHH	-0.0293
Gm03	37016420	37017204	Gmdrm	hypo	CHH	-0.0294
Gm03	37017329	37018329	Gmdrm	hypo	CHH	-0.0492
Gm03	37027849	37028794	Gmdrm	hypo	CHH	-0.0395
Gm03	37075163	37076138	Gmdrm	hypo	CHH	-0.0198
Gm03	37089698	37090697	Gmdrm	hypo	CHH	-0.0544
Gm03	37090702	37091674	Gmdrm	hypo	CHH	-0.0399
Gm03	37103363	37104288	Gmdrm	hypo	CHH	-0.0161
Gm03	37110774	37110961	Gmdrm	hypo	CHH	-0.0608
Gm03	37119699	37120674	Gmdrm	hypo	CHH	-0.0135
Gm03	37122722	37123719	Gmdrm	hypo	CHH	-0.0281
Gm03	37123723	37124711	Gmdrm	hypo	CHH	-0.0337
Gm03	37125327	37126293	Gmdrm	hypo	CHH	-0.019
Gm03	37128391	37129377	Gmdrm	hypo	CHH	-0.0662
Gm03	37129405	37130389	Gmdrm	hypo	CHH	-0.1017
Gm03	37135726	37136464	Gmdrm	hypo	CHH	-0.0376
Gm03	37136844	37137844	Gmdrm	hypo	CHH	-0.0197
Gm03	37143900	37144882	Gmdrm	hypo	CHH	-0.0341
Gm03	37170859	37171856	Gmdrm	hypo	CHH	-0.0816
Gm03	37179028	37180028	Gmdrm	hypo	CHH	-0.061
Gm03	37181083	37182081	Gmdrm	hypo	CHH	-0.0242

Gm03	37195610	37196595	Gmdrm	hypo	CHH	-0.029
Gm03	37221667	37222642	Gmdrm	hypo	CHH	-0.0171
Gm03	37227552	37228547	Gmdrm	hypo	CHH	-0.0659
Gm03	37228561	37229556	Gmdrm	hypo	CHH	-0.0367
Gm03	37229588	37230581	Gmdrm	hypo	CHH	-0.0369
Gm03	37252901	37253891	Gmdrm	hypo	CHH	-0.061
Gm03	37258353	37259349	Gmdrm	hypo	CHH	-0.0661
Gm03	37259360	37259402	Gmdrm	hypo	CHH	-0.1789
Gm03	37261019	37262017	Gmdrm	hypo	CHH	-0.02
Gm03	37268627	37269620	Gmdrm	hypo	CHH	-0.0913
Gm03	37279999	37280991	Gmdrm	hypo	CHH	-0.0649
Gm03	37281009	37282009	Gmdrm	hypo	CHH	-0.0402
Gm03	37282010	37283005	Gmdrm	hypo	CHH	-0.082
Gm03	37283011	37283997	Gmdrm	hypo	CHH	-0.0237
Gm03	37285022	37286005	Gmdrm	hypo	CHH	-0.0108
Gm03	37290267	37291106	Gmdrm	hypo	CHH	-0.0138
Gm03	37305896	37306865	Gmdrm	hypo	CHH	-0.0134
Gm03	37306926	37307904	Gmdrm	hypo	CHH	-0.0279
Gm03	37311677	37312677	Gmdrm	hypo	CHH	-0.1619
Gm03	37322399	37323396	Gmdrm	hypo	CHH	-0.0233
Gm03	37323409	37324408	Gmdrm	hypo	CHH	-0.0911
Gm03	37333172	37333291	Gmdrm	hypo	CHH	-0.0547
Gm03	37335445	37336443	Gmdrm	hypo	CHH	-0.0222
Gm03	37336451	37336813	Gmdrm	hypo	CHH	-0.0445
Gm03	37337980	37338968	Gmdrm	hypo	CHH	-0.02
Gm03	37352357	37353349	Gmdrm	hypo	CHH	-0.0265
Gm03	37354363	37355357	Gmdrm	hypo	CHH	-0.0093
Gm03	37355381	37356348	Gmdrm	hypo	CHH	-0.0359
Gm03	37359441	37360436	Gmdrm	hypo	CHH	-0.0283
Gm03	37364526	37365523	Gmdrm	hypo	CHH	-0.0406
Gm03	37365530	37366514	Gmdrm	hypo	CHH	-0.0123
Gm03	37388650	37389418	Gmdrm	hypo	CHH	-0.0135
Gm03	37395203	37396201	Gmdrm	hypo	CHH	-0.0091
Gm03	37415004	37415190	Gmdrm	hypo	CHH	-0.0467
Gm03	37421009	37422002	Gmdrm	hypo	CHH	-0.0216
Gm03	37425143	37426136	Gmdrm	hypo	CHH	-0.0289
Gm03	37429254	37429495	Gmdrm	hypo	CHH	-0.0774
Gm03	37430649	37430904	Gmdrm	hypo	CHH	-0.0288
Gm03	37450634	37451631	Gmdrm	hypo	CHH	-0.096
Gm03	37451637	37451980	Gmdrm	hypo	CHH	-0.1247
Gm03	37452119	37453115	Gmdrm	hypo	CHH	-0.0181
Gm03	37468779	37469732	Gmdrm	hypo	CHH	-0.0117
Gm03	37473602	37474575	Gmdrm	hypo	CHH	-0.019
Gm03	37476703	37477676	Gmdrm	hypo	CHH	-0.016
Gm03	37477716	37478714	Gmdrm	hypo	CHH	-0.0697
Gm03	37479869	37480139	Gmdrm	hypo	CHH	-0.0315

Gm03	37485648	37486615	Gmdrm	hypo	CHH	-0.0504
Gm03	37498223	37498641	Gmdrm	hypo	CHH	-0.1384
Gm03	37509864	37510864	Gmdrm	hypo	CHH	-0.0629
Gm03	37510866	37511822	Gmdrm	hypo	CHH	-0.1376
Gm03	37513226	37514224	Gmdrm	hypo	CHH	-0.1053
Gm03	37518752	37519733	Gmdrm	hypo	CHH	-0.0693
Gm03	37528420	37529418	Gmdrm	hypo	CHH	-0.0201
Gm03	37532256	37533253	Gmdrm	hypo	CHH	-0.051
Gm03	37533280	37534278	Gmdrm	hypo	CHH	-0.0372
Gm03	37548039	37548989	Gmdrm	hypo	CHH	-0.0267
Gm03	37559103	37560074	Gmdrm	hypo	CHH	-0.0479
Gm03	37563402	37564392	Gmdrm	hypo	CHH	-0.0439
Gm03	37585280	37586277	Gmdrm	hypo	CHH	-0.0144
Gm03	37587173	37587901	Gmdrm	hypo	CHH	-0.0162
Gm03	37590038	37591031	Gmdrm	hypo	CHH	-0.0663
Gm03	37591047	37591985	Gmdrm	hypo	CHH	-0.0494
Gm03	37598791	37599788	Gmdrm	hypo	CHH	-0.0509
Gm03	37599808	37600807	Gmdrm	hypo	CHH	-0.0427
Gm03	37600816	37601624	Gmdrm	hypo	CHH	-0.0212
Gm03	37603956	37604943	Gmdrm	hypo	CHH	-0.0406
Gm03	37605743	37606109	Gmdrm	hypo	CHH	-0.1308
Gm03	37606260	37606682	Gmdrm	hypo	CHH	-0.1936
Gm03	37610624	37611605	Gmdrm	hypo	CHH	-0.0128
Gm03	37613435	37613860	Gmdrm	hypo	CHH	-0.0337
Gm03	37613965	37614884	Gmdrm	hypo	CHH	-0.0174
Gm03	37628863	37629852	Gmdrm	hypo	CHH	-0.0155
Gm03	37629867	37630864	Gmdrm	hypo	CHH	-0.1263
Gm03	37630881	37631825	Gmdrm	hypo	CHH	-0.1215
Gm03	37632952	37633952	Gmdrm	hypo	CHH	-0.0334
Gm03	37633953	37634948	Gmdrm	hypo	CHH	-0.093
Gm03	37635844	37636008	Gmdrm	hypo	CHH	-0.1067
Gm03	37640392	37641382	Gmdrm	hypo	CHH	-0.0244
Gm03	37648650	37649649	Gmdrm	hypo	CHH	-0.018
Gm03	37650672	37651650	Gmdrm	hypo	CHH	-0.1415
Gm03	37672194	37673188	Gmdrm	hypo	CHH	-0.0109
Gm03	37685174	37685447	Gmdrm	hypo	CHH	-0.0339
Gm03	37685974	37686962	Gmdrm	hypo	CHH	-0.0876
Gm03	37692866	37693558	Gmdrm	hypo	CHH	-0.1533
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Gm03	37716952	37717939	Gmdrm	hypo	CHH	-0.0245
Gm03	37721650	37722650	Gmdrm	hypo	CHH	-0.0307
Gm03	37722653	37723464	Gmdrm	hypo	CHH	-0.0297
Gm03	37728126	37729122	Gmdrm	hypo	CHH	-0.0617
Gm03	37729130	37730127	Gmdrm	hypo	CHH	-0.0837
Gm03	37733733	37734730	Gmdrm	hypo	CHH	-0.0691
Gm03	37734734	37735734	Gmdrm	hypo	CHH	-0.0608

Gm03	37735736	37736714	Gmdrm	hypo	CHH	-0.0971
Gm03	37738797	37739789	Gmdrm	hypo	CHH	-0.0678
Gm03	37741646	37742645	Gmdrm	hypo	CHH	-0.0505
Gm03	37753727	37754712	Gmdrm	hypo	CHH	-0.0202
Gm03	37759020	37760020	Gmdrm	hypo	CHH	-0.0675
Gm03	37760022	37760570	Gmdrm	hypo	CHH	-0.2844
Gm03	37764379	37765325	Gmdrm	hypo	CHH	-0.024
Gm03	37766417	37766813	Gmdrm	hypo	CHH	-0.0382
Gm03	37775969	37776035	Gmdrm	hypo	CHH	-0.074
Gm03	37777664	37778658	Gmdrm	hypo	CHH	-0.0288
Gm03	37800419	37800607	Gmdrm	hypo	CHH	-0.042
Gm03	37807099	37808094	Gmdrm	hypo	CHH	-0.0159
Gm03	37808105	37809062	Gmdrm	hypo	CHH	-0.0302
Gm03	37824786	37825733	Gmdrm	hypo	CHH	-0.0232
Gm03	37825788	37826223	Gmdrm	hypo	CHH	-0.047
Gm03	37830765	37831751	Gmdrm	hypo	CHH	-0.046
Gm03	37834030	37835028	Gmdrm	hypo	CHH	-0.1142
Gm03	37835043	37836013	Gmdrm	hypo	CHH	-0.0598
Gm03	37837570	37838487	Gmdrm	hypo	CHH	-0.016
Gm03	37839447	37840416	Gmdrm	hypo	CHH	-0.0797
Gm03	37842539	37843536	Gmdrm	hypo	CHH	-0.0983
Gm03	37843541	37844058	Gmdrm	hypo	CHH	-0.0645
Gm03	37845201	37846196	Gmdrm	hypo	CHH	-0.0181
Gm03	37847302	37848294	Gmdrm	hypo	CHH	-0.0155
Gm03	37849395	37850395	Gmdrm	hypo	CHH	-0.0148
Gm03	37859291	37860223	Gmdrm	hypo	CHH	-0.0167
Gm03	37860296	37861282	Gmdrm	hypo	CHH	-0.0485
Gm03	37863325	37864316	Gmdrm	hypo	CHH	-0.0609
Gm03	37866868	37867858	Gmdrm	hypo	CHH	-0.067
Gm03	37868060	37869056	Gmdrm	hypo	CHH	-0.0283
Gm03	37869070	37869440	Gmdrm	hypo	CHH	-0.2084
Gm03	37870095	37871095	Gmdrm	hypo	CHH	-0.1805
Gm03	37883966	37884957	Gmdrm	hypo	CHH	-0.0296
Gm03	37891445	37891697	Gmdrm	hypo	CHH	-0.025
Gm03	37900477	37901099	Gmdrm	hypo	CHH	-0.0439
Gm03	37902293	37903282	Gmdrm	hypo	CHH	-0.0166
Gm03	37917900	37918900	Gmdrm	hypo	CHH	-0.3044
Gm03	37918907	37919871	Gmdrm	hypo	CHH	-0.011
Gm03	37919909	37920905	Gmdrm	hypo	CHH	-0.0381
Gm03	37920919	37921916	Gmdrm	hypo	CHH	-0.2686
Gm03	37938008	37939005	Gmdrm	hypo	CHH	-0.0159
Gm03	37939031	37940029	Gmdrm	hypo	CHH	-0.1273
Gm03	37942948	37943929	Gmdrm	hypo	CHH	-0.0188
Gm03	37953554	37954551	Gmdrm	hypo	CHH	-0.0142
Gm03	37956223	37956957	Gmdrm	hypo	CHH	-0.0194
Gm03	37960771	37960966	Gmdrm	hypo	CHH	-0.0336

Gm03	37969964	37970716	Gmdrm	hypo	CHH	-0.0161
Gm03	37972768	37973766	Gmdrm	hypo	CHH	-0.0305
Gm03	37989822	37990820	Gmdrm	hypo	CHH	-0.0264
Gm03	37992850	37993832	Gmdrm	hypo	CHH	-0.046
Gm03	37994862	37995843	Gmdrm	hypo	CHH	-0.0382
Gm03	37995898	37996884	Gmdrm	hypo	CHH	-0.0675
Gm03	37996915	37997827	Gmdrm	hypo	CHH	-0.0219
Gm03	37999583	38000538	Gmdrm	hypo	CHH	-0.0368
Gm03	38000587	38001586	Gmdrm	hypo	CHH	-0.0262
Gm03	38001592	38002590	Gmdrm	hypo	CHH	-0.045
Gm03	38005992	38006982	Gmdrm	hypo	CHH	-0.0239
Gm03	38011882	38012879	Gmdrm	hypo	CHH	-0.1634
Gm03	38012886	38013883	Gmdrm	hypo	CHH	-0.1672
Gm03	38013889	38014872	Gmdrm	hypo	CHH	-0.0818
Gm03	38024988	38025982	Gmdrm	hypo	CHH	-0.0582
Gm03	38047759	38048698	Gmdrm	hypo	CHH	-0.0385
Gm03	38054242	38055242	Gmdrm	hypo	CHH	-0.1024
Gm03	38055251	38056248	Gmdrm	hypo	CHH	-0.1036
Gm03	38058012	38058895	Gmdrm	hypo	CHH	-0.0236
Gm03	38060379	38061373	Gmdrm	hypo	CHH	-0.0182
Gm03	38064635	38065632	Gmdrm	hypo	CHH	-0.1316
Gm03	38065658	38066617	Gmdrm	hypo	CHH	-0.0168
Gm03	38081310	38082293	Gmdrm	hypo	CHH	-0.0278
Gm03	38098476	38099475	Gmdrm	hypo	CHH	-0.1628
Gm03	38099519	38100468	Gmdrm	hypo	CHH	-0.0703
Gm03	38103308	38104307	Gmdrm	hypo	CHH	-0.0574
Gm03	38115637	38116584	Gmdrm	hypo	CHH	-0.0296
Gm03	38119375	38120374	Gmdrm	hypo	CHH	-0.0543
Gm03	38124409	38125389	Gmdrm	hypo	CHH	-0.1586
Gm03	38128704	38129696	Gmdrm	hypo	CHH	-0.0184
Gm03	38134168	38135168	Gmdrm	hypo	CHH	-0.0174
Gm03	38135173	38136141	Gmdrm	hypo	CHH	-0.0767
Gm03	38140320	38141070	Gmdrm	hypo	CHH	-0.0142
Gm03	38146288	38147286	Gmdrm	hypo	CHH	-0.1251
Gm03	38150087	38151080	Gmdrm	hypo	CHH	-0.133
Gm03	38151105	38151573	Gmdrm	hypo	CHH	-0.0446
Gm03	38151796	38152791	Gmdrm	hypo	CHH	-0.0291
Gm03	38152808	38153807	Gmdrm	hypo	CHH	-0.0125
Gm03	38157927	38158013	Gmdrm	hypo	CHH	-0.0516
Gm03	38158147	38159134	Gmdrm	hypo	CHH	-0.164
Gm03	38173750	38174738	Gmdrm	hypo	CHH	-0.0182
Gm03	38177264	38178253	Gmdrm	hypo	CHH	-0.0157
Gm03	38178275	38179259	Gmdrm	hypo	CHH	-0.019
Gm03	38179870	38180853	Gmdrm	hypo	CHH	-0.0954
Gm03	38180877	38181875	Gmdrm	hypo	CHH	-0.3936
Gm03	38184343	38185342	Gmdrm	hypo	CHH	-0.3803

Gm03	38185344	38186309	Gmdrm	hypo	CHH	-0.2167
Gm03	38192418	38193418	Gmdrm	hypo	CHH	-0.0151
Gm03	38198619	38199608	Gmdrm	hypo	CHH	-0.095
Gm03	38199647	38200647	Gmdrm	hypo	CHH	-0.1837
Gm03	38203654	38204652	Gmdrm	hypo	CHH	-0.0585
Gm03	38204657	38205048	Gmdrm	hypo	CHH	-0.0679
Gm03	38214809	38215752	Gmdrm	hypo	CHH	-0.0258
Gm03	38220467	38221464	Gmdrm	hypo	CHH	-0.1984
Gm03	38230256	38231248	Gmdrm	hypo	CHH	-0.0333
Gm03	38231785	38232770	Gmdrm	hypo	CHH	-0.0327
Gm03	38232796	38233668	Gmdrm	hypo	CHH	-0.0142
Gm03	38233820	38234819	Gmdrm	hypo	CHH	-0.1166
Gm03	38234834	38235825	Gmdrm	hypo	CHH	-0.0128
Gm03	38237801	38238801	Gmdrm	hypo	CHH	-0.059
Gm03	38238809	38239803	Gmdrm	hypo	CHH	-0.0565
Gm03	38244789	38245527	Gmdrm	hypo	CHH	-0.042
Gm03	38250067	38250233	Gmdrm	hypo	CHH	-0.0457
Gm03	38259913	38260897	Gmdrm	hypo	CHH	-0.3196
Gm03	38277110	38278099	Gmdrm	hypo	CHH	-0.0619
Gm03	38279148	38279437	Gmdrm	hypo	CHH	-0.0323
Gm03	38280548	38281544	Gmdrm	hypo	CHH	-0.1228
Gm03	38284575	38285569	Gmdrm	hypo	CHH	-0.02
Gm03	38287548	38288546	Gmdrm	hypo	CHH	-0.0631
Gm03	38294436	38295412	Gmdrm	hypo	CHH	-0.0202
Gm03	38300662	38301649	Gmdrm	hypo	CHH	-0.0205
Gm03	38301682	38302144	Gmdrm	hypo	CHH	-0.0417
Gm03	38304372	38305363	Gmdrm	hypo	CHH	-0.0385
Gm03	38307332	38308331	Gmdrm	hypo	CHH	-0.2358
Gm03	38313300	38313658	Gmdrm	hypo	CHH	-0.0193
Gm03	38325504	38326489	Gmdrm	hypo	CHH	-0.1009
Gm03	38335089	38336045	Gmdrm	hypo	CHH	-0.1472
Gm03	38342059	38343015	Gmdrm	hypo	CHH	-0.0128
Gm03	38343961	38344545	Gmdrm	hypo	CHH	-0.1355
Gm03	38344657	38345656	Gmdrm	hypo	CHH	-0.1426
Gm03	38345660	38346252	Gmdrm	hypo	CHH	-0.116
Gm03	38349824	38350822	Gmdrm	hypo	CHH	-0.0214
Gm03	38350836	38351836	Gmdrm	hypo	CHH	-0.1368
Gm03	38351840	38352840	Gmdrm	hypo	CHH	-0.0153
Gm03	38353181	38353749	Gmdrm	hypo	CHH	-0.0416
Gm03	38355274	38356274	Gmdrm	hypo	CHH	-0.0279
Gm03	38362366	38363366	Gmdrm	hypo	CHH	-0.0725
Gm03	38363368	38364366	Gmdrm	hypo	CHH	-0.1229
Gm03	38369031	38370013	Gmdrm	hypo	CHH	-0.0285
Gm03	38382545	38383545	Gmdrm	hypo	CHH	-0.0416
Gm03	38383549	38384544	Gmdrm	hypo	CHH	-0.0999
Gm03	38390327	38391324	Gmdrm	hypo	CHH	-0.0315

Gm03	38391330	38391816	Gmdrm	hypo	CHH	-0.0594
Gm03	38391936	38392935	Gmdrm	hypo	CHH	-0.2177
Gm03	38398074	38399065	Gmdrm	hypo	CHH	-0.015
Gm03	38401095	38402094	Gmdrm	hypo	CHH	-0.0381
Gm03	38419538	38420529	Gmdrm	hypo	CHH	-0.0239
Gm03	38421260	38422249	Gmdrm	hypo	CHH	-0.1724
Gm03	38431429	38431527	Gmdrm	hypo	CHH	-0.0614
Gm03	38432218	38432962	Gmdrm	hypo	CHH	-0.0448
Gm03	38436477	38437475	Gmdrm	hypo	CHH	-0.0172
Gm03	38444155	38445077	Gmdrm	hypo	CHH	-0.0331
Gm03	38451826	38452819	Gmdrm	hypo	CHH	-0.0944
Gm03	38452830	38453785	Gmdrm	hypo	CHH	-0.1334
Gm03	38469464	38469506	Gmdrm	hypo	CHH	-0.0616
Gm03	38469643	38470349	Gmdrm	hypo	CHH	-0.0147
Gm03	38479874	38480866	Gmdrm	hypo	CHH	-0.1135
Gm03	38482972	38483932	Gmdrm	hypo	CHH	-0.1316
Gm03	38484308	38485308	Gmdrm	hypo	CHH	-0.0487
Gm03	38485309	38486146	Gmdrm	hypo	CHH	-0.0997
Gm03	38487820	38488813	Gmdrm	hypo	CHH	-0.015
Gm03	38489220	38490214	Gmdrm	hypo	CHH	-0.0485
Gm03	38494591	38495576	Gmdrm	hypo	CHH	-0.036
Gm03	38495598	38496592	Gmdrm	hypo	CHH	-0.0696
Gm03	38496608	38497597	Gmdrm	hypo	CHH	-0.1111
Gm03	38499271	38499382	Gmdrm	hypo	CHH	-0.084
Gm03	38499524	38500516	Gmdrm	hypo	CHH	-0.106
Gm03	38500528	38501495	Gmdrm	hypo	CHH	-0.055
Gm03	38501550	38502542	Gmdrm	hypo	CHH	-0.0275
Gm03	38505797	38506782	Gmdrm	hypo	CHH	-0.012
Gm03	38506799	38507798	Gmdrm	hypo	CHH	-0.1039
Gm03	38507801	38508772	Gmdrm	hypo	CHH	-0.1686
Gm03	38527275	38527893	Gmdrm	hypo	CHH	-0.0251
Gm03	38532998	38533966	Gmdrm	hypo	CHH	-0.3119
Gm03	38546027	38546762	Gmdrm	hypo	CHH	-0.0128
Gm03	38546868	38547854	Gmdrm	hypo	CHH	-0.0177
Gm03	38548913	38549902	Gmdrm	hypo	CHH	-0.0088
Gm03	38566331	38567329	Gmdrm	hypo	CHH	-0.0229
Gm03	38573628	38574623	Gmdrm	hypo	CHH	-0.0555
Gm03	38575662	38576662	Gmdrm	hypo	CHH	-0.0486
Gm03	38576672	38577663	Gmdrm	hypo	CHH	-0.0354
Gm03	38582467	38583457	Gmdrm	hypo	CHH	-0.0416
Gm03	38597753	38598467	Gmdrm	hypo	CHH	-0.0946
Gm03	38605949	38606947	Gmdrm	hypo	CHH	-0.3519
Gm03	38609142	38610140	Gmdrm	hypo	CHH	-0.3372
Gm03	38610146	38611146	Gmdrm	hypo	CHH	-0.0909
Gm03	38611149	38612145	Gmdrm	hypo	CHH	-0.0943
Gm03	38612150	38613144	Gmdrm	hypo	CHH	-0.0282

Gm03	38613152	38614147	Gmdrm	hypo	CHH	-0.0141
Gm03	38615905	38616582	Gmdrm	hypo	CHH	-0.0508
Gm03	38617719	38618695	Gmdrm	hypo	CHH	-0.0265
Gm03	38619779	38620312	Gmdrm	hypo	CHH	-0.02
Gm03	38621989	38622981	Gmdrm	hypo	CHH	-0.2959
Gm03	38622990	38623984	Gmdrm	hypo	CHH	-0.1986
Gm03	38625329	38626318	Gmdrm	hypo	CHH	-0.0174
Gm03	38626350	38627103	Gmdrm	hypo	CHH	-0.0556
Gm03	38651409	38652401	Gmdrm	hypo	CHH	-0.0212
Gm03	38653417	38654406	Gmdrm	hypo	CHH	-0.0112
Gm03	38660264	38660404	Gmdrm	hypo	CHH	-0.052
Gm03	38681182	38682145	Gmdrm	hypo	CHH	-0.0184
Gm03	38682189	38683183	Gmdrm	hypo	CHH	-0.1922
Gm03	38684238	38684563	Gmdrm	hypo	CHH	-0.0289
Gm03	38699043	38700038	Gmdrm	hypo	CHH	-0.0994
Gm03	38700061	38700747	Gmdrm	hypo	CHH	-0.0305
Gm03	38713542	38713781	Gmdrm	hypo	CHH	-0.05
Gm03	38715325	38716325	Gmdrm	hypo	CHH	-0.019
Gm03	38727008	38728006	Gmdrm	hypo	CHH	-0.046
Gm03	38730563	38731545	Gmdrm	hypo	CHH	-0.0358
Gm03	38737368	38738367	Gmdrm	hypo	CHH	-0.0219
Gm03	38745917	38746914	Gmdrm	hypo	CHH	-0.0242
Gm03	38760943	38761937	Gmdrm	hypo	CHH	-0.024
Gm03	38765097	38766037	Gmdrm	hypo	CHH	-0.0767
Gm03	38772799	38773782	Gmdrm	hypo	CHH	-0.096
Gm03	38786685	38787637	Gmdrm	hypo	CHH	-0.014
Gm03	38791671	38792229	Gmdrm	hypo	CHH	-0.0224
Gm03	38792531	38793490	Gmdrm	hypo	CHH	-0.026
Gm03	38802518	38803480	Gmdrm	hypo	CHH	-0.0316
Gm03	38803789	38804785	Gmdrm	hypo	CHH	-0.0164
Gm03	38822192	38823179	Gmdrm	hypo	CHH	-0.0286
Gm03	38826890	38827865	Gmdrm	hypo	CHH	-0.0596
Gm03	38827941	38828935	Gmdrm	hypo	CHH	-0.0314
Gm03	38828954	38829937	Gmdrm	hypo	CHH	-0.0129
Gm03	38838889	38839881	Gmdrm	hypo	CHH	-0.1452
Gm03	38839896	38840838	Gmdrm	hypo	CHH	-0.0759
Gm03	38841932	38842927	Gmdrm	hypo	CHH	-0.0145
Gm03	38845973	38846971	Gmdrm	hypo	CHH	-0.0167
Gm03	38846977	38847945	Gmdrm	hypo	CHH	-0.0128
Gm03	38875218	38876213	Gmdrm	hypo	CHH	-0.0196
Gm03	38876232	38877229	Gmdrm	hypo	CHH	-0.1212
Gm03	38893845	38894829	Gmdrm	hypo	CHH	-0.11
Gm03	38897367	38898354	Gmdrm	hypo	CHH	-0.0167
Gm03	38912951	38913945	Gmdrm	hypo	CHH	-0.0737
Gm03	38913959	38914919	Gmdrm	hypo	CHH	-0.1248
Gm03	38919216	38920216	Gmdrm	hypo	CHH	-0.026

Gm03	38921226	38922222	Gmdrm	hypo	CHH	-0.0602
Gm03	38922228	38923197	Gmdrm	hypo	CHH	-0.0186
Gm03	38925248	38925818	Gmdrm	hypo	CHH	-0.0156
Gm03	38926933	38927927	Gmdrm	hypo	CHH	-0.125
Gm03	38927934	38928917	Gmdrm	hypo	CHH	-0.1832
Gm03	38928941	38929048	Gmdrm	hypo	CHH	-0.0471
Gm03	38933316	38934019	Gmdrm	hypo	CHH	-0.0578
Gm03	38934196	38935149	Gmdrm	hypo	CHH	-0.0434
Gm03	38941511	38942510	Gmdrm	hypo	CHH	-0.0188
Gm03	38944913	38945907	Gmdrm	hypo	CHH	-0.0098
Gm03	38953797	38954762	Gmdrm	hypo	CHH	-0.0222
Gm03	38956310	38957297	Gmdrm	hypo	CHH	-0.0307
Gm03	38960400	38961396	Gmdrm	hypo	CHH	-0.0373
Gm03	38969124	38970119	Gmdrm	hypo	CHH	-0.07
Gm03	38970126	38971100	Gmdrm	hypo	CHH	-0.0692
Gm03	38973847	38974833	Gmdrm	hypo	CHH	-0.0805
Gm03	38977798	38978798	Gmdrm	hypo	CHH	-0.2016
Gm03	38978803	38979789	Gmdrm	hypo	CHH	-0.126
Gm03	38981279	38981996	Gmdrm	hypo	CHH	-0.0223
Gm03	38995754	38996016	Gmdrm	hypo	CHH	-0.0937
Gm03	39009322	39010310	Gmdrm	hypo	CHH	-0.0501
Gm03	39019864	39020861	Gmdrm	hypo	CHH	-0.016
Gm03	39041572	39042571	Gmdrm	hypo	CHH	-0.0594
Gm03	39042586	39042622	Gmdrm	hypo	CHH	-0.036
Gm03	39046197	39047197	Gmdrm	hypo	CHH	-0.0154
Gm03	39050891	39051852	Gmdrm	hypo	CHH	-0.0244
Gm03	39063045	39064000	Gmdrm	hypo	CHH	-0.0237
Gm03	39065682	39066344	Gmdrm	hypo	CHH	-0.015
Gm03	39068012	39069004	Gmdrm	hypo	CHH	-0.0304
Gm03	39071358	39072354	Gmdrm	hypo	CHH	-0.1439
Gm03	39072364	39073363	Gmdrm	hypo	CHH	-0.0806
Gm03	39074397	39075387	Gmdrm	hypo	CHH	-0.0199
Gm03	39099558	39100556	Gmdrm	hypo	CHH	-0.0129
Gm03	39100569	39101565	Gmdrm	hypo	CHH	-0.0184
Gm03	39102771	39103758	Gmdrm	hypo	CHH	-0.0272
Gm03	39103807	39104806	Gmdrm	hypo	CHH	-0.0848
Gm03	39104814	39105804	Gmdrm	hypo	CHH	-0.0537
Gm03	39120460	39121460	Gmdrm	hypo	CHH	-0.0209
Gm03	39123485	39124432	Gmdrm	hypo	CHH	-0.024
Gm03	39127655	39128637	Gmdrm	hypo	CHH	-0.0652
Gm03	39129714	39130713	Gmdrm	hypo	CHH	-0.084
Gm03	39130717	39131713	Gmdrm	hypo	CHH	-0.0592
Gm03	39131719	39132703	Gmdrm	hypo	CHH	-0.0712
Gm03	39134745	39135688	Gmdrm	hypo	CHH	-0.0355
Gm03	39137761	39138715	Gmdrm	hypo	CHH	-0.121
Gm03	39146181	39147179	Gmdrm	hypo	CHH	-0.0356

Gm03	39147199	39148196	Gmdrm	hypo	CHH	-0.3425
Gm03	39151387	39152360	Gmdrm	hypo	CHH	-0.0276
Gm03	39153400	39154400	Gmdrm	hypo	CHH	-0.021
Gm03	39154402	39155379	Gmdrm	hypo	CHH	-0.0992
Gm03	39158540	39159530	Gmdrm	hypo	CHH	-0.015
Gm03	39166394	39167394	Gmdrm	hypo	CHH	-0.0454
Gm03	39171020	39172020	Gmdrm	hypo	CHH	-0.0256
Gm03	39172024	39173022	Gmdrm	hypo	CHH	-0.0297
Gm03	39175059	39176051	Gmdrm	hypo	CHH	-0.0268
Gm03	39184272	39185260	Gmdrm	hypo	CHH	-0.1543
Gm03	39185279	39185992	Gmdrm	hypo	CHH	-0.1734
Gm03	39190889	39191881	Gmdrm	hypo	CHH	-0.0149
Gm03	39193964	39194337	Gmdrm	hypo	CHH	-0.0355
Gm03	39200314	39201278	Gmdrm	hypo	CHH	-0.013
Gm03	39201346	39202345	Gmdrm	hypo	CHH	-0.0206
Gm03	39214734	39215376	Gmdrm	hypo	CHH	-0.0496
Gm03	39218636	39219635	Gmdrm	hypo	CHH	-0.0193
Gm03	39220652	39221642	Gmdrm	hypo	CHH	-0.0411
Gm03	39221661	39222511	Gmdrm	hypo	CHH	-0.1652
Gm03	39227850	39228849	Gmdrm	hypo	CHH	-0.0258
Gm03	39232651	39233626	Gmdrm	hypo	CHH	-0.046
Gm03	39237314	39238302	Gmdrm	hypo	CHH	-0.0169
Gm03	39239316	39240295	Gmdrm	hypo	CHH	-0.1213
Gm03	39240356	39240463	Gmdrm	hypo	CHH	-0.0717
Gm03	39240677	39241674	Gmdrm	hypo	CHH	-0.0389
Gm03	39241678	39242666	Gmdrm	hypo	CHH	-0.0157
Gm03	39245689	39246670	Gmdrm	hypo	CHH	-0.0434
Gm03	39248111	39249110	Gmdrm	hypo	CHH	-0.0315
Gm03	39249113	39250090	Gmdrm	hypo	CHH	-0.093
Gm03	39252946	39253942	Gmdrm	hypo	CHH	-0.1449
Gm03	39253952	39254443	Gmdrm	hypo	CHH	-0.0979
Gm03	39255317	39256296	Gmdrm	hypo	CHH	-0.1753
Gm03	39257407	39258396	Gmdrm	hypo	CHH	-0.0523
Gm03	39260442	39261435	Gmdrm	hypo	CHH	-0.1064
Gm03	39261443	39262443	Gmdrm	hypo	CHH	-0.1984
Gm03	39267966	39268906	Gmdrm	hypo	CHH	-0.0417
Gm03	39269681	39270648	Gmdrm	hypo	CHH	-0.0845
Gm03	39290082	39290207	Gmdrm	hypo	CHH	-0.0284
Gm03	39292141	39293133	Gmdrm	hypo	CHH	-0.0217
Gm03	39302032	39303019	Gmdrm	hypo	CHH	-0.1449
Gm03	39323847	39324840	Gmdrm	hypo	CHH	-0.0432
Gm03	39326875	39327859	Gmdrm	hypo	CHH	-0.0523
Gm03	39327982	39328959	Gmdrm	hypo	CHH	-0.0477
Gm03	39363902	39364329	Gmdrm	hypo	CHH	-0.0274
Gm03	39371843	39372843	Gmdrm	hypo	CHH	-0.0467
Gm03	39386471	39387463	Gmdrm	hypo	CHH	-0.01

Gm03	39389563	39390548	Gmdrm	hypo	CHH	-0.0248
Gm03	39395982	39396310	Gmdrm	hypo	CHH	-0.0245
Gm03	39401205	39401399	Gmdrm	hypo	CHH	-0.0188
Gm03	39412612	39413604	Gmdrm	hypo	CHH	-0.0789
Gm03	39414618	39415616	Gmdrm	hypo	CHH	-0.0497
Gm03	39419053	39420053	Gmdrm	hypo	CHH	-0.0684
Gm03	39436503	39437500	Gmdrm	hypo	CHH	-0.0391
Gm03	39445440	39445796	Gmdrm	hypo	CHH	-0.0223
Gm03	39450576	39451573	Gmdrm	hypo	CHH	-0.0186
Gm03	39452232	39452891	Gmdrm	hypo	CHH	-0.0358
Gm03	39459390	39460387	Gmdrm	hypo	CHH	-0.0368
Gm03	39461414	39462414	Gmdrm	hypo	CHH	-0.0121
Gm03	39463478	39464470	Gmdrm	hypo	CHH	-0.0162
Gm03	39464491	39464910	Gmdrm	hypo	CHH	-0.0277
Gm03	39474793	39475768	Gmdrm	hypo	CHH	-0.0164
Gm03	39501986	39502985	Gmdrm	hypo	CHH	-0.0195
Gm03	39504070	39505067	Gmdrm	hypo	CHH	-0.2396
Gm03	39515444	39516435	Gmdrm	hypo	CHH	-0.0326
Gm03	39524954	39525235	Gmdrm	hypo	CHH	-0.11
Gm03	39525345	39526336	Gmdrm	hypo	CHH	-0.0545
Gm03	39527131	39528128	Gmdrm	hypo	CHH	-0.0192
Gm03	39528165	39528523	Gmdrm	hypo	CHH	-0.1353
Gm03	39539176	39540176	Gmdrm	hypo	CHH	-0.0125
Gm03	39541189	39542182	Gmdrm	hypo	CHH	-0.0795
Gm03	39542205	39542871	Gmdrm	hypo	CHH	-0.0343
Gm03	39546616	39546943	Gmdrm	hypo	CHH	-0.0229
Gm03	39566183	39567176	Gmdrm	hypo	CHH	-0.0733
Gm03	39567191	39568171	Gmdrm	hypo	CHH	-0.0654
Gm03	39571156	39572137	Gmdrm	hypo	CHH	-0.0161
Gm03	39573640	39574639	Gmdrm	hypo	CHH	-0.0166
Gm03	39574641	39575633	Gmdrm	hypo	CHH	-0.0147
Gm03	39575661	39576209	Gmdrm	hypo	CHH	-0.028
Gm03	39581899	39582889	Gmdrm	hypo	CHH	-0.0162
Gm03	39582921	39583897	Gmdrm	hypo	CHH	-0.12
Gm03	39595830	39596781	Gmdrm	hypo	CHH	-0.02
Gm03	39596834	39597427	Gmdrm	hypo	CHH	-0.019
Gm03	39601938	39602919	Gmdrm	hypo	CHH	-0.0526
Gm03	39608123	39609113	Gmdrm	hypo	CHH	-0.0114
Gm03	39614083	39615028	Gmdrm	hypo	CHH	-0.017
Gm03	39624809	39625803	Gmdrm	hypo	CHH	-0.0211
Gm03	39645202	39646183	Gmdrm	hypo	CHH	-0.0185
Gm03	39646223	39647221	Gmdrm	hypo	CHH	-0.0921
Gm03	39647227	39648196	Gmdrm	hypo	CHH	-0.1841
Gm03	39671210	39672185	Gmdrm	hypo	CHH	-0.0267
Gm03	39676675	39677672	Gmdrm	hypo	CHH	-0.0754
Gm03	39677680	39678650	Gmdrm	hypo	CHH	-0.0717

Gm03	39679410	39680407	Gmdrm	hypo	CHH	-0.1475
Gm03	39681414	39682399	Gmdrm	hypo	CHH	-0.0676
Gm03	39689489	39690474	Gmdrm	hypo	CHH	-0.0147
Gm03	39693564	39694563	Gmdrm	hypo	CHH	-0.0536
Gm03	39715760	39716242	Gmdrm	hypo	CHH	-0.0335
Gm03	39723479	39724474	Gmdrm	hypo	CHH	-0.127
Gm03	39724480	39725437	Gmdrm	hypo	CHH	-0.0452
Gm03	39725507	39726507	Gmdrm	hypo	CHH	-0.016
Gm03	39726590	39727108	Gmdrm	hypo	CHH	-0.0226
Gm03	39728276	39729147	Gmdrm	hypo	CHH	-0.0223
Gm03	39734021	39735018	Gmdrm	hypo	CHH	-0.091
Gm03	39735022	39736006	Gmdrm	hypo	CHH	-0.0389
Gm03	39737049	39738040	Gmdrm	hypo	CHH	-0.0948
Gm03	39760228	39761217	Gmdrm	hypo	CHH	-0.0643
Gm03	39764173	39765104	Gmdrm	hypo	CHH	-0.0196
Gm03	39781200	39782192	Gmdrm	hypo	CHH	-0.0195
Gm03	39782269	39783257	Gmdrm	hypo	CHH	-0.1144
Gm03	39785496	39786495	Gmdrm	hypo	CHH	-0.0173
Gm03	39786503	39787501	Gmdrm	hypo	CHH	-0.0725
Gm03	39794224	39795185	Gmdrm	hypo	CHH	-0.0643
Gm03	39803020	39803785	Gmdrm	hypo	CHH	-0.0709
Gm03	39812424	39813420	Gmdrm	hypo	CHH	-0.0146
Gm03	39823647	39823773	Gmdrm	hypo	CHH	-0.0347
Gm03	39824532	39825527	Gmdrm	hypo	CHH	-0.0455
Gm03	39836049	39836266	Gmdrm	hypo	CHH	-0.0427
Gm03	39836408	39837374	Gmdrm	hypo	CHH	-0.0485
Gm03	39847359	39848359	Gmdrm	hypo	CHH	-0.0128
Gm03	39851079	39852052	Gmdrm	hypo	CHH	-0.0162
Gm03	39852110	39853106	Gmdrm	hypo	CHH	-0.1957
Gm03	39862076	39863072	Gmdrm	hypo	CHH	-0.013
Gm03	39869214	39870198	Gmdrm	hypo	CHH	-0.0107
Gm03	39879889	39880885	Gmdrm	hypo	CHH	-0.0128
Gm03	39889976	39890976	Gmdrm	hypo	CHH	-0.1227
Gm03	39890980	39891957	Gmdrm	hypo	CHH	-0.1143
Gm03	39896877	39897862	Gmdrm	hypo	CHH	-0.0281
Gm03	39902915	39903910	Gmdrm	hypo	CHH	-0.021
Gm03	39914698	39915680	Gmdrm	hypo	CHH	-0.0121
Gm03	39921276	39922270	Gmdrm	hypo	CHH	-0.0135
Gm03	39938452	39939064	Gmdrm	hypo	CHH	-0.0133
Gm03	39939183	39939617	Gmdrm	hypo	CHH	-0.1496
Gm03	39943802	39944795	Gmdrm	hypo	CHH	-0.1911
Gm03	39949690	39950677	Gmdrm	hypo	CHH	-0.1722
Gm03	39950693	39951669	Gmdrm	hypo	CHH	-0.0882
Gm03	39952754	39952922	Gmdrm	hypo	CHH	-0.0423
Gm03	39961087	39962087	Gmdrm	hypo	CHH	-0.0683
Gm03	39962090	39963079	Gmdrm	hypo	CHH	-0.0748

Gm03	39963157	39964156	Gmdrm	hypo	CHH	-0.234
Gm03	39964161	39965160	Gmdrm	hypo	CHH	-0.0545
Gm03	39971981	39972972	Gmdrm	hypo	CHH	-0.1666
Gm03	39973044	39974002	Gmdrm	hypo	CHH	-0.3402
Gm03	39980399	39981328	Gmdrm	hypo	CHH	-0.0131
Gm03	39989220	39990217	Gmdrm	hypo	CHH	-0.0151
Gm03	39991258	39992229	Gmdrm	hypo	CHH	-0.0107
Gm03	39994180	39994522	Gmdrm	hypo	CHH	-0.0493
Gm03	40017156	40017268	Gmdrm	hypo	CHH	-0.04
Gm03	40018719	40019690	Gmdrm	hypo	CHH	-0.0221
Gm03	40020137	40021137	Gmdrm	hypo	CHH	-0.1845
Gm03	40027778	40028723	Gmdrm	hypo	CHH	-0.0877
Gm03	40028790	40029430	Gmdrm	hypo	CHH	-0.0218
Gm03	40037041	40038039	Gmdrm	hypo	CHH	-0.0885
Gm03	40039059	40040046	Gmdrm	hypo	CHH	-0.0571
Gm03	40042434	40043422	Gmdrm	hypo	CHH	-0.0275
Gm03	40044437	40045427	Gmdrm	hypo	CHH	-0.3413
Gm03	40045440	40045982	Gmdrm	hypo	CHH	-0.41
Gm03	40054456	40055155	Gmdrm	hypo	CHH	-0.0248
Gm03	40057890	40058886	Gmdrm	hypo	CHH	-0.0157
Gm03	40063492	40064477	Gmdrm	hypo	CHH	-0.1081
Gm03	40067568	40068156	Gmdrm	hypo	CHH	-0.0272
Gm03	40068277	40069276	Gmdrm	hypo	CHH	-0.0167
Gm03	40123552	40124532	Gmdrm	hypo	CHH	-0.0294
Gm03	40124566	40125554	Gmdrm	hypo	CHH	-0.0397
Gm03	40125568	40126555	Gmdrm	hypo	CHH	-0.0226
Gm03	40126578	40127565	Gmdrm	hypo	CHH	-0.0306
Gm03	40129653	40130653	Gmdrm	hypo	CHH	-0.1564
Gm03	40130782	40131778	Gmdrm	hypo	CHH	-0.0133
Gm03	40133476	40134476	Gmdrm	hypo	CHH	-0.02
Gm03	40145817	40146416	Gmdrm	hypo	CHH	-0.02
Gm03	40151161	40151746	Gmdrm	hypo	CHH	-0.1646
Gm03	40152744	40153706	Gmdrm	hypo	CHH	-0.0307
Gm03	40165070	40165620	Gmdrm	hypo	CHH	-0.0918
Gm03	40169136	40169971	Gmdrm	hypo	CHH	-0.0645
Gm03	40173040	40174039	Gmdrm	hypo	CHH	-0.0924
Gm03	40174048	40175039	Gmdrm	hypo	CHH	-0.2285
Gm03	40197170	40197823	Gmdrm	hypo	CHH	-0.1675
Gm03	40207166	40208045	Gmdrm	hypo	CHH	-0.111
Gm03	40211055	40212049	Gmdrm	hypo	CHH	-0.0264
Gm03	40214385	40215360	Gmdrm	hypo	CHH	-0.1208
Gm03	40229116	40230102	Gmdrm	hypo	CHH	-0.0144
Gm03	40231465	40231857	Gmdrm	hypo	CHH	-0.045
Gm03	40238050	40239050	Gmdrm	hypo	CHH	-0.0484
Gm03	40239059	40240059	Gmdrm	hypo	CHH	-0.351
Gm03	40258001	40258120	Gmdrm	hypo	CHH	-0.1257

Gm03	40261288	40261561 Gmdrm	hypo	CHH	-0.0246
Gm03	40281879	40282876 Gmdrm	hypo	CHH	-0.0522
Gm03	40282908	40283889 Gmdrm	hypo	CHH	-0.1918
Gm03	40286371	40287111 Gmdrm	hypo	CHH	-0.0192
Gm03	40288243	40289242 Gmdrm	hypo	CHH	-0.0582
Gm03	40289246	40290227 Gmdrm	hypo	CHH	-0.0874
Gm03	40293968	40294962 Gmdrm	hypo	CHH	-0.1695
Gm03	40294971	40295958 Gmdrm	hypo	CHH	-0.3169
Gm03	40303584	40304058 Gmdrm	hypo	CHH	-0.0356
Gm03	40307009	40307952 Gmdrm	hypo	CHH	-0.0204
Gm03	40317514	40318506 Gmdrm	hypo	CHH	-0.0819
Gm03	40320528	40321242 Gmdrm	hypo	CHH	-0.0232
Gm03	40321633	40322631 Gmdrm	hypo	CHH	-0.0266
Gm03	40322639	40323634 Gmdrm	hypo	CHH	-0.056
Gm03	40323642	40324624 Gmdrm	hypo	CHH	-0.0153
Gm03	40324772	40325270 Gmdrm	hypo	CHH	-0.0779
Gm03	40346667	40347665 Gmdrm	hypo	CHH	-0.0204
Gm03	40347672	40348672 Gmdrm	hypo	CHH	-0.0478
Gm03	40349693	40350688 Gmdrm	hypo	CHH	-0.0201
Gm03	40350696	40351663 Gmdrm	hypo	CHH	-0.0533
Gm03	40356311	40357015 Gmdrm	hypo	CHH	-0.0166
Gm03	40370938	40371937 Gmdrm	hypo	CHH	-0.0345
Gm03	40378653	40378956 Gmdrm	hypo	CHH	-0.0317
Gm03	40380303	40381300 Gmdrm	hypo	CHH	-0.0616
Gm03	40381308	40382308 Gmdrm	hypo	CHH	-0.0865
Gm03	40383979	40384966 Gmdrm	hypo	CHH	-0.0275
Gm03	40390271	40390321 Gmdrm	hypo	CHH	-0.185
Gm03	40393783	40394779 Gmdrm	hypo	CHH	-0.0235
Gm03	40403148	40404147 Gmdrm	hypo	CHH	-0.0553
Gm03	40404152	40405044 Gmdrm	hypo	CHH	-0.3219
Gm03	40416483	40417000 Gmdrm	hypo	CHH	-0.1152
Gm03	40417732	40418730 Gmdrm	hypo	CHH	-0.0759
Gm03	40418735	40419735 Gmdrm	hypo	CHH	-0.0364
Gm03	40427582	40428569 Gmdrm	hypo	CHH	-0.0175
Gm03	40438725	40438807 Gmdrm	hypo	CHH	-0.0533
Gm03	40440925	40441037 Gmdrm	hypo	CHH	-0.062
Gm03	40447806	40448798 Gmdrm	hypo	CHH	-0.0168
Gm03	40448855	40449076 Gmdrm	hypo	CHH	-0.0306
Gm03	40450434	40451424 Gmdrm	hypo	CHH	-0.0653
Gm03	40464068	40465059 Gmdrm	hypo	CHH	-0.3089
Gm03	40466260	40467253 Gmdrm	hypo	CHH	-0.0101
Gm03	40467261	40468253 Gmdrm	hypo	CHH	-0.0861
Gm03	40470321	40471308 Gmdrm	hypo	CHH	-0.035
Gm03	40473788	40474779 Gmdrm	hypo	CHH	-0.3025
Gm03	40474797	40475785 Gmdrm	hypo	CHH	-0.1158
Gm03	40487483	40488477 Gmdrm	hypo	CHH	-0.1597

Gm03	40490877	40491857	Gmdrm	hypo	CHH	-0.0486
Gm03	40493010	40493976	Gmdrm	hypo	CHH	-0.0164
Gm03	40505593	40505924	Gmdrm	hypo	CHH	-0.0521
Gm03	40516398	40517395	Gmdrm	hypo	CHH	-0.0495
Gm03	40519447	40520446	Gmdrm	hypo	CHH	-0.0762
Gm03	40520449	40521414	Gmdrm	hypo	CHH	-0.0266
Gm03	40526990	40527971	Gmdrm	hypo	CHH	-0.02
Gm03	40527991	40528983	Gmdrm	hypo	CHH	-0.0304
Gm03	40529341	40530340	Gmdrm	hypo	CHH	-0.063
Gm03	40530354	40530453	Gmdrm	hypo	CHH	-0.1331
Gm03	40534839	40534888	Gmdrm	hypo	CHH	-0.048
Gm03	40546420	40546959	Gmdrm	hypo	CHH	-0.0144
Gm03	40550376	40551363	Gmdrm	hypo	CHH	-0.0185
Gm03	40559432	40560432	Gmdrm	hypo	CHH	-0.048
Gm03	40569069	40570024	Gmdrm	hypo	CHH	-0.0233
Gm03	40572404	40573086	Gmdrm	hypo	CHH	-0.0239
Gm03	40573221	40574221	Gmdrm	hypo	CHH	-0.0421
Gm03	40574249	40575245	Gmdrm	hypo	CHH	-0.0582
Gm03	40576262	40577253	Gmdrm	hypo	CHH	-0.049
Gm03	40577266	40578266	Gmdrm	hypo	CHH	-0.0126
Gm03	40583589	40584576	Gmdrm	hypo	CHH	-0.0195
Gm03	40596382	40597373	Gmdrm	hypo	CHH	-0.0221
Gm03	40597399	40598366	Gmdrm	hypo	CHH	-0.0137
Gm03	40602332	40603240	Gmdrm	hypo	CHH	-0.0281
Gm03	40636116	40636999	Gmdrm	hypo	CHH	-0.0206
Gm03	40639929	40640910	Gmdrm	hypo	CHH	-0.0176
Gm03	40640930	40641929	Gmdrm	hypo	CHH	-0.0293
Gm03	40655355	40656343	Gmdrm	hypo	CHH	-0.0149
Gm03	40659439	40660423	Gmdrm	hypo	CHH	-0.0118
Gm03	40679183	40679685	Gmdrm	hypo	CHH	-0.2213
Gm03	40679796	40680783	Gmdrm	hypo	CHH	-0.1425
Gm03	40689641	40690590	Gmdrm	hypo	CHH	-0.014
Gm03	40693420	40694420	Gmdrm	hypo	CHH	-0.0323
Gm03	40694422	40695340	Gmdrm	hypo	CHH	-0.0931
Gm03	40701636	40702623	Gmdrm	hypo	CHH	-0.0309
Gm03	40710187	40711180	Gmdrm	hypo	CHH	-0.0225
Gm03	40713752	40714742	Gmdrm	hypo	CHH	-0.0234
Gm03	40728150	40728357	Gmdrm	hypo	CHH	-0.039
Gm03	40734054	40735052	Gmdrm	hypo	CHH	-0.0203
Gm03	40739149	40740141	Gmdrm	hypo	CHH	-0.0741
Gm03	40740150	40741138	Gmdrm	hypo	CHH	-0.0778
Gm03	40745081	40746074	Gmdrm	hypo	CHH	-0.0973
Gm03	40746088	40747087	Gmdrm	hypo	CHH	-0.0991
Gm03	40748104	40749099	Gmdrm	hypo	CHH	-0.0916
Gm03	40762320	40763291	Gmdrm	hypo	CHH	-0.1106
Gm03	40769295	40770154	Gmdrm	hypo	CHH	-0.0207

Gm03	40783596	40784593	Gmdrm	hypo	CHH	-0.0165
Gm03	40787144	40788144	Gmdrm	hypo	CHH	-0.0255
Gm03	40794836	40795836	Gmdrm	hypo	CHH	-0.0142
Gm03	40796867	40797440	Gmdrm	hypo	CHH	-0.0143
Gm03	40823688	40824684	Gmdrm	hypo	CHH	-0.0492
Gm03	40832132	40833107	Gmdrm	hypo	CHH	-0.0245
Gm03	40840128	40841126	Gmdrm	hypo	CHH	-0.0475
Gm03	40841447	40842441	Gmdrm	hypo	CHH	-0.0182
Gm03	40842449	40843253	Gmdrm	hypo	CHH	-0.0305
Gm03	40851395	40852387	Gmdrm	hypo	CHH	-0.019
Gm03	40869762	40870181	Gmdrm	hypo	CHH	-0.0819
Gm03	40870489	40871479	Gmdrm	hypo	CHH	-0.0207
Gm03	40884663	40885662	Gmdrm	hypo	CHH	-0.0745
Gm03	40885666	40886653	Gmdrm	hypo	CHH	-0.0267
Gm03	40890317	40891316	Gmdrm	hypo	CHH	-0.0691
Gm03	40891319	40891946	Gmdrm	hypo	CHH	-0.166
Gm03	40902787	40903785	Gmdrm	hypo	CHH	-0.0284
Gm03	40911018	40911998	Gmdrm	hypo	CHH	-0.0343
Gm03	40921107	40921938	Gmdrm	hypo	CHH	-0.0223
Gm03	40924457	40925166	Gmdrm	hypo	CHH	-0.0256
Gm03	40951457	40952453	Gmdrm	hypo	CHH	-0.1131
Gm03	40957821	40958818	Gmdrm	hypo	CHH	-0.0209
Gm03	40966023	40966561	Gmdrm	hypo	CHH	-0.0456
Gm03	40966671	40967638	Gmdrm	hypo	CHH	-0.0267
Gm03	40980679	40981675	Gmdrm	hypo	CHH	-0.0168
Gm03	40981680	40982660	Gmdrm	hypo	CHH	-0.0237
Gm03	40985847	40986816	Gmdrm	hypo	CHH	-0.0229
Gm03	40994130	40995103	Gmdrm	hypo	CHH	-0.0169
Gm03	41017051	41018032	Gmdrm	hypo	CHH	-0.0173
Gm03	41023416	41024407	Gmdrm	hypo	CHH	-0.0594
Gm03	41024421	41025402	Gmdrm	hypo	CHH	-0.1005
Gm03	41028070	41028556	Gmdrm	hypo	CHH	-0.0547
Gm03	41031383	41032383	Gmdrm	hypo	CHH	-0.0995
Gm03	41032386	41033038	Gmdrm	hypo	CHH	-0.2824
Gm03	41033143	41034098	Gmdrm	hypo	CHH	-0.0317
Gm03	41038144	41039124	Gmdrm	hypo	CHH	-0.0742
Gm03	41040161	41041160	Gmdrm	hypo	CHH	-0.0519
Gm03	41046081	41047080	Gmdrm	hypo	CHH	-0.247
Gm03	41049167	41049605	Gmdrm	hypo	CHH	-0.0203
Gm03	41054065	41055061	Gmdrm	hypo	CHH	-0.051
Gm03	41055066	41056045	Gmdrm	hypo	CHH	-0.0489
Gm03	41056095	41056373	Gmdrm	hypo	CHH	-0.1995
Gm03	41056484	41057338	Gmdrm	hypo	CHH	-0.0948
Gm03	41057464	41057856	Gmdrm	hypo	CHH	-0.0743
Gm03	41073961	41074917	Gmdrm	hypo	CHH	-0.024
Gm03	41079019	41079969	Gmdrm	hypo	CHH	-0.0283

Gm03	41104362	41104709	Gmdrm	hypo	CHH	-0.0746
Gm03	41120168	41121144	Gmdrm	hypo	CHH	-0.0134
Gm03	41122738	41123725	Gmdrm	hypo	CHH	-0.2789
Gm03	41123752	41124038	Gmdrm	hypo	CHH	-0.0309
Gm03	41126853	41127848	Gmdrm	hypo	CHH	-0.0232
Gm03	41136994	41137973	Gmdrm	hypo	CHH	-0.0178
Gm03	41141713	41142707	Gmdrm	hypo	CHH	-0.0159
Gm03	41154667	41154960	Gmdrm	hypo	CHH	-0.0442
Gm03	41162192	41162698	Gmdrm	hypo	CHH	-0.0474
Gm03	41193363	41194354	Gmdrm	hypo	CHH	-0.0967
Gm03	41194364	41195352	Gmdrm	hypo	CHH	-0.0661
Gm03	41199906	41200865	Gmdrm	hypo	CHH	-0.0132
Gm03	41230513	41231511	Gmdrm	hypo	CHH	-0.0283
Gm03	41231635	41232590	Gmdrm	hypo	CHH	-0.2641
Gm03	41236679	41237673	Gmdrm	hypo	CHH	-0.1835
Gm03	41240167	41240611	Gmdrm	hypo	CHH	-0.019
Gm03	41249918	41250888	Gmdrm	hypo	CHH	-0.0125
Gm03	41260596	41261557	Gmdrm	hypo	CHH	-0.0159
Gm03	41274999	41275991	Gmdrm	hypo	CHH	-0.013
Gm03	41279966	41280949	Gmdrm	hypo	CHH	-0.0155
Gm03	41283043	41284034	Gmdrm	hypo	CHH	-0.3425
Gm03	41287062	41288052	Gmdrm	hypo	CHH	-0.0596
Gm03	41292838	41293063	Gmdrm	hypo	CHH	-0.0275
Gm03	41293378	41294341	Gmdrm	hypo	CHH	-0.0153
Gm03	41304022	41304999	Gmdrm	hypo	CHH	-0.0818
Gm03	41313131	41314128	Gmdrm	hypo	CHH	-0.0172
Gm03	41314158	41315146	Gmdrm	hypo	CHH	-0.1737
Gm03	41324843	41325839	Gmdrm	hypo	CHH	-0.0451
Gm03	41328755	41329423	Gmdrm	hypo	CHH	-0.0491
Gm03	41332344	41333344	Gmdrm	hypo	CHH	-0.019
Gm03	41336206	41336689	Gmdrm	hypo	CHH	-0.0316
Gm03	41345466	41346436	Gmdrm	hypo	CHH	-0.2374
Gm03	41347170	41348159	Gmdrm	hypo	CHH	-0.0321
Gm03	41359191	41360180	Gmdrm	hypo	CHH	-0.2627
Gm03	41372278	41373237	Gmdrm	hypo	CHH	-0.4087
Gm03	41385015	41386009	Gmdrm	hypo	CHH	-0.0386
Gm03	41386016	41387015	Gmdrm	hypo	CHH	-0.0411
Gm03	41387019	41388019	Gmdrm	hypo	CHH	-0.0657
Gm03	41388022	41388985	Gmdrm	hypo	CHH	-0.0247
Gm03	41391196	41392183	Gmdrm	hypo	CHH	-0.0195
Gm03	41400597	41401596	Gmdrm	hypo	CHH	-0.0171
Gm03	41401603	41402599	Gmdrm	hypo	CHH	-0.0223
Gm03	41406336	41407291	Gmdrm	hypo	CHH	-0.0187
Gm03	41413017	41413953	Gmdrm	hypo	CHH	-0.0187
Gm03	41417500	41417791	Gmdrm	hypo	CHH	-0.0304
Gm03	41437923	41438920	Gmdrm	hypo	CHH	-0.131

Gm03	41438926	41439913	Gmdrm	hypo	CHH	-0.044
Gm03	41439980	41440080	Gmdrm	hypo	CHH	-0.0877
Gm03	41449762	41450652	Gmdrm	hypo	CHH	-0.0141
Gm03	41464028	41464327	Gmdrm	hypo	CHH	-0.0368
Gm03	41465444	41466429	Gmdrm	hypo	CHH	-0.0182
Gm03	41482185	41483149	Gmdrm	hypo	CHH	-0.0163
Gm03	41483202	41484191	Gmdrm	hypo	CHH	-0.1684
Gm03	41484208	41485194	Gmdrm	hypo	CHH	-0.1215
Gm03	41486014	41486530	Gmdrm	hypo	CHH	-0.0261
Gm03	41507207	41508207	Gmdrm	hypo	CHH	-0.0801
Gm03	41508211	41509154	Gmdrm	hypo	CHH	-0.17
Gm03	41511647	41512631	Gmdrm	hypo	CHH	-0.0137
Gm03	41515697	41516678	Gmdrm	hypo	CHH	-0.2982
Gm03	41521907	41522868	Gmdrm	hypo	CHH	-0.012
Gm03	41534306	41535304	Gmdrm	hypo	CHH	-0.0262
Gm03	41535316	41535932	Gmdrm	hypo	CHH	-0.0519
Gm03	41566501	41567347	Gmdrm	hypo	CHH	-0.0542
Gm03	41570714	41571676	Gmdrm	hypo	CHH	-0.0647
Gm03	41574193	41575178	Gmdrm	hypo	CHH	-0.1274
Gm03	41578736	41579728	Gmdrm	hypo	CHH	-0.0603
Gm03	41579748	41580735	Gmdrm	hypo	CHH	-0.0666
Gm03	41598095	41599073	Gmdrm	hypo	CHH	-0.1
Gm03	41599118	41599608	Gmdrm	hypo	CHH	-0.0311
Gm03	41606187	41607183	Gmdrm	hypo	CHH	-0.096
Gm03	41607196	41608186	Gmdrm	hypo	CHH	-0.0317
Gm03	41609253	41610250	Gmdrm	hypo	CHH	-0.0592
Gm03	41613292	41614269	Gmdrm	hypo	CHH	-0.1
Gm03	41619428	41620416	Gmdrm	hypo	CHH	-0.0207
Gm03	41637886	41638873	Gmdrm	hypo	CHH	-0.0521
Gm03	41638888	41639888	Gmdrm	hypo	CHH	-0.1511
Gm03	41639899	41640874	Gmdrm	hypo	CHH	-0.1014
Gm03	41650824	41651094	Gmdrm	hypo	CHH	-0.0362
Gm03	41651414	41652398	Gmdrm	hypo	CHH	-0.0169
Gm03	41652426	41653420	Gmdrm	hypo	CHH	-0.1522
Gm03	41676911	41677909	Gmdrm	hypo	CHH	-0.1554
Gm03	41679928	41680928	Gmdrm	hypo	CHH	-0.1364
Gm03	41680938	41681918	Gmdrm	hypo	CHH	-0.0162
Gm03	41681994	41682991	Gmdrm	hypo	CHH	-0.0121
Gm03	41687720	41688718	Gmdrm	hypo	CHH	-0.0546
Gm03	41693014	41693996	Gmdrm	hypo	CHH	-0.0148
Gm03	41695024	41696019	Gmdrm	hypo	CHH	-0.2162
Gm03	41697035	41698018	Gmdrm	hypo	CHH	-0.0941
Gm03	41698052	41699038	Gmdrm	hypo	CHH	-0.0404
Gm03	41703796	41704572	Gmdrm	hypo	CHH	-0.0328
Gm03	41706103	41707086	Gmdrm	hypo	CHH	-0.2
Gm03	41726877	41727854	Gmdrm	hypo	CHH	-0.0138

Gm03	41735004	41736001	Gmdrm	hypo	CHH	-0.0247
Gm03	41736828	41737812	Gmdrm	hypo	CHH	-0.1092
Gm03	41738863	41739860	Gmdrm	hypo	CHH	-0.0425
Gm03	41779027	41779625	Gmdrm	hypo	CHH	-0.0423
Gm03	41784326	41785326	Gmdrm	hypo	CHH	-0.015
Gm03	41787354	41788352	Gmdrm	hypo	CHH	-0.2711
Gm03	41788355	41789343	Gmdrm	hypo	CHH	-0.0374
Gm03	41796589	41797331	Gmdrm	hypo	CHH	-0.0337
Gm03	41832488	41833487	Gmdrm	hypo	CHH	-0.0751
Gm03	41833490	41834490	Gmdrm	hypo	CHH	-0.121
Gm03	41834500	41835371	Gmdrm	hypo	CHH	-0.0502
Gm03	41845521	41846252	Gmdrm	hypo	CHH	-0.0723
Gm03	41853500	41854500	Gmdrm	hypo	CHH	-0.0167
Gm03	41882319	41883310	Gmdrm	hypo	CHH	-0.0442
Gm03	41889176	41890168	Gmdrm	hypo	CHH	-0.0247
Gm03	41894917	41895916	Gmdrm	hypo	CHH	-0.037
Gm03	41895939	41896555	Gmdrm	hypo	CHH	-0.0668
Gm03	41902013	41902504	Gmdrm	hypo	CHH	-0.0349
Gm03	41914603	41915600	Gmdrm	hypo	CHH	-0.0356
Gm03	41926171	41927163	Gmdrm	hypo	CHH	-0.0764
Gm03	41934488	41935485	Gmdrm	hypo	CHH	-0.0492
Gm03	41935497	41936251	Gmdrm	hypo	CHH	-0.1405
Gm03	41936357	41937350	Gmdrm	hypo	CHH	-0.0118
Gm03	41941948	41942754	Gmdrm	hypo	CHH	-0.0234
Gm03	41942861	41943842	Gmdrm	hypo	CHH	-0.0313
Gm03	41952565	41952806	Gmdrm	hypo	CHH	-0.0355
Gm03	41957046	41958046	Gmdrm	hypo	CHH	-0.0571
Gm03	41958047	41959037	Gmdrm	hypo	CHH	-0.0574
Gm03	41960071	41960391	Gmdrm	hypo	CHH	-0.02
Gm03	41972116	41973114	Gmdrm	hypo	CHH	-0.0957
Gm03	41973117	41974104	Gmdrm	hypo	CHH	-0.0726
Gm03	41987079	41987649	Gmdrm	hypo	CHH	-0.0364
Gm03	41989585	41990570	Gmdrm	hypo	CHH	-0.2634
Gm03	42008838	42009837	Gmdrm	hypo	CHH	-0.0588
Gm03	42013240	42014238	Gmdrm	hypo	CHH	-0.1165
Gm03	42014243	42014946	Gmdrm	hypo	CHH	-0.1388
Gm03	42015048	42016046	Gmdrm	hypo	CHH	-0.0928
Gm03	42018069	42019059	Gmdrm	hypo	CHH	-0.0735
Gm03	42019072	42020040	Gmdrm	hypo	CHH	-0.0318
Gm03	42030687	42031685	Gmdrm	hypo	CHH	-0.0312
Gm03	42031688	42032673	Gmdrm	hypo	CHH	-0.034
Gm03	42033739	42034728	Gmdrm	hypo	CHH	-0.2003
Gm03	42043839	42044828	Gmdrm	hypo	CHH	-0.0203
Gm03	42044843	42045820	Gmdrm	hypo	CHH	-0.0295
Gm03	42045850	42046849	Gmdrm	hypo	CHH	-0.0125
Gm03	42046878	42047878	Gmdrm	hypo	CHH	-0.0141

Gm03	42049120	42049220	Gmdrm	hypo	CHH	-0.0467
Gm03	42056931	42057913	Gmdrm	hypo	CHH	-0.0221
Gm03	42072925	42073917	Gmdrm	hypo	CHH	-0.0356
Gm03	42073926	42074912	Gmdrm	hypo	CHH	-0.231
Gm03	42087461	42087635	Gmdrm	hypo	CHH	-0.029
Gm03	42096108	42097061	Gmdrm	hypo	CHH	-0.2568
Gm03	42102436	42103389	Gmdrm	hypo	CHH	-0.2059
Gm03	42103443	42104392	Gmdrm	hypo	CHH	-0.2409
Gm03	42115941	42116162	Gmdrm	hypo	CHH	-0.0456
Gm03	42119308	42120291	Gmdrm	hypo	CHH	-0.0164
Gm03	42121323	42122309	Gmdrm	hypo	CHH	-0.0156
Gm03	42122329	42123329	Gmdrm	hypo	CHH	-0.3595
Gm03	42123334	42123763	Gmdrm	hypo	CHH	-0.2461
Gm03	42133026	42134020	Gmdrm	hypo	CHH	-0.0188
Gm03	42134029	42135017	Gmdrm	hypo	CHH	-0.0423
Gm03	42135030	42136028	Gmdrm	hypo	CHH	-0.0513
Gm03	42166947	42167919	Gmdrm	hypo	CHH	-0.0533
Gm03	42168433	42169433	Gmdrm	hypo	CHH	-0.0564
Gm03	42173247	42173924	Gmdrm	hypo	CHH	-0.2043
Gm03	42185933	42186082	Gmdrm	hypo	CHH	-0.074
Gm03	42201585	42201908	Gmdrm	hypo	CHH	-0.0664
Gm03	42204485	42205331	Gmdrm	hypo	CHH	-0.0171
Gm03	42205454	42205890	Gmdrm	hypo	CHH	-0.0267
Gm03	42216570	42216863	Gmdrm	hypo	CHH	-0.02
Gm03	42221075	42222039	Gmdrm	hypo	CHH	-0.0246
Gm03	42225140	42225706	Gmdrm	hypo	CHH	-0.0298
Gm03	42225814	42226813	Gmdrm	hypo	CHH	-0.0297
Gm03	42232690	42233641	Gmdrm	hypo	CHH	-0.0878
Gm03	42238751	42239751	Gmdrm	hypo	CHH	-0.3661
Gm03	42241801	42242159	Gmdrm	hypo	CHH	-0.0406
Gm03	42247312	42248300	Gmdrm	hypo	CHH	-0.0087
Gm03	42249341	42250338	Gmdrm	hypo	CHH	-0.0145
Gm03	42274703	42275624	Gmdrm	hypo	CHH	-0.0122
Gm03	42281576	42282566	Gmdrm	hypo	CHH	-0.0292
Gm03	42290415	42291411	Gmdrm	hypo	CHH	-0.0764
Gm03	42297109	42298107	Gmdrm	hypo	CHH	-0.0638
Gm03	42302057	42303050	Gmdrm	hypo	CHH	-0.0391
Gm03	42303065	42304060	Gmdrm	hypo	CHH	-0.1022
Gm03	42304076	42304506	Gmdrm	hypo	CHH	-0.0454
Gm03	42306468	42307434	Gmdrm	hypo	CHH	-0.0271
Gm03	42307550	42308545	Gmdrm	hypo	CHH	-0.0902
Gm03	42308552	42309549	Gmdrm	hypo	CHH	-0.1318
Gm03	42309553	42310548	Gmdrm	hypo	CHH	-0.0602
Gm03	42320040	42320251	Gmdrm	hypo	CHH	-0.06
Gm03	42320571	42321564	Gmdrm	hypo	CHH	-0.1116
Gm03	42326145	42327114	Gmdrm	hypo	CHH	-0.3655

Gm03	42346801	42347504	Gmdrm	hypo	CHH	-0.0472
Gm03	42365690	42366670	Gmdrm	hypo	CHH	-0.3197
Gm03	42374663	42375638	Gmdrm	hypo	CHH	-0.3125
Gm03	42375694	42376339	Gmdrm	hypo	CHH	-0.2397
Gm03	42376609	42377606	Gmdrm	hypo	CHH	-0.0846
Gm03	42377613	42378489	Gmdrm	hypo	CHH	-0.0584
Gm03	42381013	42382012	Gmdrm	hypo	CHH	-0.0107
Gm03	42384962	42385960	Gmdrm	hypo	CHH	-0.0522
Gm03	42385967	42386910	Gmdrm	hypo	CHH	-0.0359
Gm03	42386971	42387971	Gmdrm	hypo	CHH	-0.2733
Gm03	42397267	42398265	Gmdrm	hypo	CHH	-0.013
Gm03	42403507	42404441	Gmdrm	hypo	CHH	-0.0297
Gm03	42407060	42407581	Gmdrm	hypo	CHH	-0.0229
Gm03	42407980	42408979	Gmdrm	hypo	CHH	-0.0489
Gm03	42408981	42409831	Gmdrm	hypo	CHH	-0.0219
Gm03	42412604	42413299	Gmdrm	hypo	CHH	-0.0214
Gm03	42415411	42416411	Gmdrm	hypo	CHH	-0.2383
Gm03	42416415	42417000	Gmdrm	hypo	CHH	-0.2358
Gm03	42422352	42423066	Gmdrm	hypo	CHH	-0.0201
Gm03	42428814	42429807	Gmdrm	hypo	CHH	-0.0464
Gm03	42429833	42430821	Gmdrm	hypo	CHH	-0.1056
Gm03	42434117	42435107	Gmdrm	hypo	CHH	-0.148
Gm03	42437269	42438210	Gmdrm	hypo	CHH	-0.0422
Gm03	42439427	42440424	Gmdrm	hypo	CHH	-0.0609
Gm03	42444702	42445660	Gmdrm	hypo	CHH	-0.0508
Gm03	42493013	42494013	Gmdrm	hypo	CHH	-0.1983
Gm03	42499940	42500213	Gmdrm	hypo	CHH	-0.0356
Gm03	42508942	42509934	Gmdrm	hypo	CHH	-0.0159
Gm03	42524172	42525153	Gmdrm	hypo	CHH	-0.0176
Gm03	42527577	42528577	Gmdrm	hypo	CHH	-0.0859
Gm03	42528581	42529576	Gmdrm	hypo	CHH	-0.0745
Gm03	42529611	42530611	Gmdrm	hypo	CHH	-0.1358
Gm03	42530614	42531610	Gmdrm	hypo	CHH	-0.0318
Gm03	42532630	42533598	Gmdrm	hypo	CHH	-0.13
Gm03	42535792	42536217	Gmdrm	hypo	CHH	-0.036
Gm03	42540769	42541706	Gmdrm	hypo	CHH	-0.299
Gm03	42555738	42556731	Gmdrm	hypo	CHH	-0.0257
Gm03	42563579	42564562	Gmdrm	hypo	CHH	-0.0238
Gm03	42572317	42572904	Gmdrm	hypo	CHH	-0.016
Gm03	42578150	42579143	Gmdrm	hypo	CHH	-0.0527
Gm03	42579152	42580149	Gmdrm	hypo	CHH	-0.1204
Gm03	42587992	42588973	Gmdrm	hypo	CHH	-0.0474
Gm03	42597215	42598207	Gmdrm	hypo	CHH	-0.3022
Gm03	42602433	42603418	Gmdrm	hypo	CHH	-0.0185
Gm03	42606909	42607155	Gmdrm	hypo	CHH	-0.05
Gm03	42608269	42609264	Gmdrm	hypo	CHH	-0.0194

Gm03	42612408	42613381	Gmdrm	hypo	CHH	-0.0405
Gm03	42628598	42629597	Gmdrm	hypo	CHH	-0.1098
Gm03	42629621	42630557	Gmdrm	hypo	CHH	-0.0237
Gm03	42638797	42639789	Gmdrm	hypo	CHH	-0.1114
Gm03	42639802	42640789	Gmdrm	hypo	CHH	-0.1764
Gm03	42640806	42641763	Gmdrm	hypo	CHH	-0.1403
Gm03	42641809	42642805	Gmdrm	hypo	CHH	-0.0344
Gm03	42652814	42653809	Gmdrm	hypo	CHH	-0.2654
Gm03	42653818	42654771	Gmdrm	hypo	CHH	-0.188
Gm03	42659925	42660922	Gmdrm	hypo	CHH	-0.0197
Gm03	42675340	42676325	Gmdrm	hypo	CHH	-0.045
Gm03	42676341	42676623	Gmdrm	hypo	CHH	-0.4555
Gm03	42677193	42678186	Gmdrm	hypo	CHH	-0.1787
Gm03	42678201	42678987	Gmdrm	hypo	CHH	-0.0338
Gm03	42682100	42682885	Gmdrm	hypo	CHH	-0.0781
Gm03	42683172	42684162	Gmdrm	hypo	CHH	-0.0618
Gm03	42696230	42696406	Gmdrm	hypo	CHH	-0.092
Gm03	42703491	42704462	Gmdrm	hypo	CHH	-0.0177
Gm03	42709712	42710036	Gmdrm	hypo	CHH	-0.0518
Gm03	42716744	42717743	Gmdrm	hypo	CHH	-0.0349
Gm03	42718492	42718568	Gmdrm	hypo	CHH	-0.06
Gm03	42724595	42725577	Gmdrm	hypo	CHH	-0.0214
Gm03	42730553	42730689	Gmdrm	hypo	CHH	-0.3211
Gm03	42739376	42740376	Gmdrm	hypo	CHH	-0.0185
Gm03	42748737	42749726	Gmdrm	hypo	CHH	-0.0125
Gm03	42759532	42760531	Gmdrm	hypo	CHH	-0.0469
Gm03	42760536	42761530	Gmdrm	hypo	CHH	-0.0494
Gm03	42764291	42764454	Gmdrm	hypo	CHH	-0.0329
Gm03	42765589	42766565	Gmdrm	hypo	CHH	-0.0347
Gm03	42767552	42768551	Gmdrm	hypo	CHH	-0.0114
Gm03	42792739	42793736	Gmdrm	hypo	CHH	-0.0341
Gm03	42793742	42794741	Gmdrm	hypo	CHH	-0.1083
Gm03	42799503	42800501	Gmdrm	hypo	CHH	-0.0191
Gm03	42801518	42802516	Gmdrm	hypo	CHH	-0.0919
Gm03	42815301	42815786	Gmdrm	hypo	CHH	-0.0175
Gm03	42821878	42822785	Gmdrm	hypo	CHH	-0.2575
Gm03	42822894	42823887	Gmdrm	hypo	CHH	-0.0173
Gm03	42826284	42827284	Gmdrm	hypo	CHH	-0.2095
Gm03	42827288	42828276	Gmdrm	hypo	CHH	-0.0899
Gm03	42828306	42829297	Gmdrm	hypo	CHH	-0.1369
Gm03	42871855	42872796	Gmdrm	hypo	CHH	-0.1154
Gm03	42886676	42886864	Gmdrm	hypo	CHH	-0.0243
Gm03	42893197	42893507	Gmdrm	hypo	CHH	-0.0346
Gm03	42893632	42894387	Gmdrm	hypo	CHH	-0.0242
Gm03	42906154	42907116	Gmdrm	hypo	CHH	-0.0124
Gm03	42913227	42914226	Gmdrm	hypo	CHH	-0.0291

Gm03	42916297	42917290	Gmdrm	hypo	CHH	-0.0201
Gm03	42926213	42927213	Gmdrm	hypo	CHH	-0.1694
Gm03	42927216	42928208	Gmdrm	hypo	CHH	-0.0783
Gm03	42928237	42929229	Gmdrm	hypo	CHH	-0.046
Gm03	42929246	42930245	Gmdrm	hypo	CHH	-0.0464
Gm03	42930254	42931251	Gmdrm	hypo	CHH	-0.0589
Gm03	42931258	42931810	Gmdrm	hypo	CHH	-0.0302
Gm03	42937629	42938333	Gmdrm	hypo	CHH	-0.0512
Gm03	42943558	42944558	Gmdrm	hypo	CHH	-0.0152
Gm03	42954034	42955034	Gmdrm	hypo	CHH	-0.0389
Gm03	42955036	42956031	Gmdrm	hypo	CHH	-0.073
Gm03	42956041	42957039	Gmdrm	hypo	CHH	-0.0838
Gm03	42957042	42958042	Gmdrm	hypo	CHH	-0.0575
Gm03	42965370	42966362	Gmdrm	hypo	CHH	-0.0272
Gm03	42971377	42972376	Gmdrm	hypo	CHH	-0.0907
Gm03	42972381	42973345	Gmdrm	hypo	CHH	-0.0276
Gm03	42976415	42977399	Gmdrm	hypo	CHH	-0.0192
Gm03	42977421	42978398	Gmdrm	hypo	CHH	-0.0175
Gm03	42978430	42979425	Gmdrm	hypo	CHH	-0.063
Gm03	42979433	42980430	Gmdrm	hypo	CHH	-0.153
Gm03	42980440	42981000	Gmdrm	hypo	CHH	-0.0992
Gm03	42986117	42986272	Gmdrm	hypo	CHH	-0.035
Gm03	42986799	42987660	Gmdrm	hypo	CHH	-0.0177
Gm03	42998929	42999063	Gmdrm	hypo	CHH	-0.0433
Gm03	43006675	43007667	Gmdrm	hypo	CHH	-0.0118
Gm03	43030821	43031723	Gmdrm	hypo	CHH	-0.0212
Gm03	43049104	43050067	Gmdrm	hypo	CHH	-0.0144
Gm03	43053272	43054271	Gmdrm	hypo	CHH	-0.1738
Gm03	43054296	43055287	Gmdrm	hypo	CHH	-0.0752
Gm03	43056360	43057339	Gmdrm	hypo	CHH	-0.0223
Gm03	43058378	43058647	Gmdrm	hypo	CHH	-0.0436
Gm03	43068290	43069274	Gmdrm	hypo	CHH	-0.0405
Gm03	43069291	43070285	Gmdrm	hypo	CHH	-0.0193
Gm03	43072327	43073327	Gmdrm	hypo	CHH	-0.1184
Gm03	43073330	43073462	Gmdrm	hypo	CHH	-0.0381
Gm03	43073906	43074901	Gmdrm	hypo	CHH	-0.0218
Gm03	43084805	43085541	Gmdrm	hypo	CHH	-0.0258
Gm03	43089024	43090010	Gmdrm	hypo	CHH	-0.024
Gm03	43093842	43093917	Gmdrm	hypo	CHH	-0.03
Gm03	43094025	43095024	Gmdrm	hypo	CHH	-0.0719
Gm03	43095037	43095923	Gmdrm	hypo	CHH	-0.0596
Gm03	43109038	43110027	Gmdrm	hypo	CHH	-0.0198
Gm03	43116403	43117398	Gmdrm	hypo	CHH	-0.0342
Gm03	43117406	43118384	Gmdrm	hypo	CHH	-0.0373
Gm03	43119506	43120497	Gmdrm	hypo	CHH	-0.079
Gm03	43126938	43127937	Gmdrm	hypo	CHH	-0.0177

Gm03	43139537	43140526	Gmdrm	hypo	CHH	-0.1675
Gm03	43140551	43141512	Gmdrm	hypo	CHH	-0.1883
Gm03	43167217	43168211	Gmdrm	hypo	CHH	-0.0154
Gm03	43169264	43170242	Gmdrm	hypo	CHH	-0.0144
Gm03	43170942	43171941	Gmdrm	hypo	CHH	-0.1548
Gm03	43171944	43172944	Gmdrm	hypo	CHH	-0.0863
Gm03	43176494	43176678	Gmdrm	hypo	CHH	-0.0572
Gm03	43188376	43189369	Gmdrm	hypo	CHH	-0.0138
Gm03	43192862	43193839	Gmdrm	hypo	CHH	-0.0165
Gm03	43197612	43198595	Gmdrm	hypo	CHH	-0.0319
Gm03	43208661	43209661	Gmdrm	hypo	CHH	-0.0316
Gm03	43209668	43210666	Gmdrm	hypo	CHH	-0.0303
Gm03	43213732	43214726	Gmdrm	hypo	CHH	-0.106
Gm03	43238410	43239370	Gmdrm	hypo	CHH	-0.0149
Gm03	43239434	43240430	Gmdrm	hypo	CHH	-0.0337
Gm03	43240466	43240655	Gmdrm	hypo	CHH	-0.06
Gm03	43271307	43272272	Gmdrm	hypo	CHH	-0.0145
Gm03	43277400	43278387	Gmdrm	hypo	CHH	-0.0465
Gm03	43282438	43283430	Gmdrm	hypo	CHH	-0.0374
Gm03	43284455	43285334	Gmdrm	hypo	CHH	-0.0171
Gm03	43287479	43288476	Gmdrm	hypo	CHH	-0.0267
Gm03	43295080	43296075	Gmdrm	hypo	CHH	-0.0138
Gm03	43314520	43315519	Gmdrm	hypo	CHH	-0.1298
Gm03	43318468	43319466	Gmdrm	hypo	CHH	-0.013
Gm03	43326253	43327248	Gmdrm	hypo	CHH	-0.0261
Gm03	43334754	43334861	Gmdrm	hypo	CHH	-0.055
Gm03	43337259	43338253	Gmdrm	hypo	CHH	-0.0168
Gm03	43342525	43343517	Gmdrm	hypo	CHH	-0.0291
Gm03	43351434	43351736	Gmdrm	hypo	CHH	-0.0379
Gm03	43369386	43370371	Gmdrm	hypo	CHH	-0.0144
Gm03	43381229	43382224	Gmdrm	hypo	CHH	-0.0215
Gm03	43382238	43383233	Gmdrm	hypo	CHH	-0.0818
Gm03	43397755	43398741	Gmdrm	hypo	CHH	-0.019
Gm03	43399112	43400105	Gmdrm	hypo	CHH	-0.0131
Gm03	43408437	43409431	Gmdrm	hypo	CHH	-0.0175
Gm03	43418087	43419020	Gmdrm	hypo	CHH	-0.0203
Gm03	43419090	43420089	Gmdrm	hypo	CHH	-0.1331
Gm03	43435666	43436519	Gmdrm	hypo	CHH	-0.0201
Gm03	43445284	43446279	Gmdrm	hypo	CHH	-0.0121
Gm03	43446311	43447271	Gmdrm	hypo	CHH	-0.0134
Gm03	43457707	43458410	Gmdrm	hypo	CHH	-0.0303
Gm03	43458707	43459696	Gmdrm	hypo	CHH	-0.0338
Gm03	43466077	43466346	Gmdrm	hypo	CHH	-0.057
Gm03	43474206	43475204	Gmdrm	hypo	CHH	-0.0207
Gm03	43475207	43476206	Gmdrm	hypo	CHH	-0.2682
Gm03	43476645	43477645	Gmdrm	hypo	CHH	-0.044

Gm03	43477649	43478648 Gmdrm	hypo	CHH	-0.0524
Gm03	43482679	43483677 Gmdrm	hypo	CHH	-0.0406
Gm03	43484070	43485067 Gmdrm	hypo	CHH	-0.0435
Gm03	43524528	43525526 Gmdrm	hypo	CHH	-0.0664
Gm03	43525536	43526467 Gmdrm	hypo	CHH	-0.053
Gm03	43530796	43530923 Gmdrm	hypo	CHH	-0.1313
Gm03	43552022	43553015 Gmdrm	hypo	CHH	-0.0332
Gm03	43553024	43553936 Gmdrm	hypo	CHH	-0.0118
Gm03	43558328	43559154 Gmdrm	hypo	CHH	-0.1483
Gm03	43583571	43584568 Gmdrm	hypo	CHH	-0.2556
Gm03	43584579	43585218 Gmdrm	hypo	CHH	-0.0785
Gm03	43606330	43607301 Gmdrm	hypo	CHH	-0.0259
Gm03	43618528	43618688 Gmdrm	hypo	CHH	-0.0433
Gm03	43627475	43628463 Gmdrm	hypo	CHH	-0.0156
Gm03	43628485	43629391 Gmdrm	hypo	CHH	-0.0174
Gm03	43648594	43649505 Gmdrm	hypo	CHH	-0.0184
Gm03	43651632	43652631 Gmdrm	hypo	CHH	-0.1413
Gm03	43652635	43653388 Gmdrm	hypo	CHH	-0.1114
Gm03	43661514	43662272 Gmdrm	hypo	CHH	-0.0321
Gm03	43663810	43664796 Gmdrm	hypo	CHH	-0.0125
Gm03	43664947	43665942 Gmdrm	hypo	CHH	-0.1546
Gm03	43697429	43697951 Gmdrm	hypo	CHH	-0.0554
Gm03	43700391	43701382 Gmdrm	hypo	CHH	-0.0884
Gm03	43701392	43702387 Gmdrm	hypo	CHH	-0.1529
Gm03	43705033	43706025 Gmdrm	hypo	CHH	-0.0183
Gm03	43711319	43712316 Gmdrm	hypo	CHH	-0.0366
Gm03	43712335	43713278 Gmdrm	hypo	CHH	-0.0193
Gm03	43714588	43715576 Gmdrm	hypo	CHH	-0.1074
Gm03	43719082	43719737 Gmdrm	hypo	CHH	-0.0132
Gm03	43724120	43724894 Gmdrm	hypo	CHH	-0.0139
Gm03	43725005	43725231 Gmdrm	hypo	CHH	-0.0683
Gm03	43728443	43729417 Gmdrm	hypo	CHH	-0.0163
Gm03	43730636	43731626 Gmdrm	hypo	CHH	-0.0502
Gm03	43731642	43732610 Gmdrm	hypo	CHH	-0.0284
Gm03	43736540	43737540 Gmdrm	hypo	CHH	-0.0718
Gm03	43737543	43738532 Gmdrm	hypo	CHH	-0.0383
Gm03	43738547	43739545 Gmdrm	hypo	CHH	-0.0555
Gm03	43747062	43747494 Gmdrm	hypo	CHH	-0.0553
Gm03	43760883	43761374 Gmdrm	hypo	CHH	-0.0411
Gm03	43768008	43768925 Gmdrm	hypo	CHH	-0.0146
Gm03	43770621	43771597 Gmdrm	hypo	CHH	-0.1626
Gm03	43771643	43772639 Gmdrm	hypo	CHH	-0.0439
Gm03	43776734	43777725 Gmdrm	hypo	CHH	-0.1337
Gm03	43778737	43779729 Gmdrm	hypo	CHH	-0.0585
Gm03	43779746	43780716 Gmdrm	hypo	CHH	-0.1699
Gm03	43793789	43794787 Gmdrm	hypo	CHH	-0.1093

Gm03	43794804	43795803	Gmdrm	hypo	CHH	-0.1683
Gm03	43803819	43804817	Gmdrm	hypo	CHH	-0.0516
Gm03	43806860	43807848	Gmdrm	hypo	CHH	-0.0677
Gm03	43807864	43808861	Gmdrm	hypo	CHH	-0.1569
Gm03	43808884	43809878	Gmdrm	hypo	CHH	-0.3107
Gm03	43809902	43810901	Gmdrm	hypo	CHH	-0.0224
Gm03	43816627	43817575	Gmdrm	hypo	CHH	-0.0198
Gm03	43821317	43821962	Gmdrm	hypo	CHH	-0.0263
Gm03	43823060	43824020	Gmdrm	hypo	CHH	-0.0624
Gm03	43828959	43829959	Gmdrm	hypo	CHH	-0.0183
Gm03	43829963	43830954	Gmdrm	hypo	CHH	-0.0734
Gm03	43830964	43831962	Gmdrm	hypo	CHH	-0.0443
Gm03	43831965	43832959	Gmdrm	hypo	CHH	-0.0331
Gm03	43832991	43833984	Gmdrm	hypo	CHH	-0.041
Gm03	43833992	43834986	Gmdrm	hypo	CHH	-0.0685
Gm03	43838499	43839318	Gmdrm	hypo	CHH	-0.0418
Gm03	43841415	43842025	Gmdrm	hypo	CHH	-0.0327
Gm03	43847464	43848085	Gmdrm	hypo	CHH	-0.0216
Gm03	43850092	43851043	Gmdrm	hypo	CHH	-0.0189
Gm03	43856256	43857255	Gmdrm	hypo	CHH	-0.0591
Gm03	43857257	43858053	Gmdrm	hypo	CHH	-0.0769
Gm03	43877943	43878941	Gmdrm	hypo	CHH	-0.1035
Gm03	43878944	43879902	Gmdrm	hypo	CHH	-0.125
Gm03	43887556	43888547	Gmdrm	hypo	CHH	-0.0205
Gm03	43899817	43900056	Gmdrm	hypo	CHH	-0.0255
Gm03	43902306	43903300	Gmdrm	hypo	CHH	-0.0274
Gm03	43903340	43904331	Gmdrm	hypo	CHH	-0.0643
Gm03	43910662	43911621	Gmdrm	hypo	CHH	-0.0115
Gm03	43932528	43933510	Gmdrm	hypo	CHH	-0.1935
Gm03	43933529	43934522	Gmdrm	hypo	CHH	-0.025
Gm03	43939102	43940072	Gmdrm	hypo	CHH	-0.1962
Gm03	43941130	43942124	Gmdrm	hypo	CHH	-0.4209
Gm03	43957353	43958058	Gmdrm	hypo	CHH	-0.0341
Gm03	43959203	43960196	Gmdrm	hypo	CHH	-0.0224
Gm03	43960255	43961249	Gmdrm	hypo	CHH	-0.0915
Gm03	43963182	43964143	Gmdrm	hypo	CHH	-0.0248
Gm03	43964911	43965863	Gmdrm	hypo	CHH	-0.0209
Gm03	43994341	43995341	Gmdrm	hypo	CHH	-0.1002
Gm03	43995348	43996330	Gmdrm	hypo	CHH	-0.0552
Gm03	44002224	44003213	Gmdrm	hypo	CHH	-0.0309
Gm03	44006991	44007948	Gmdrm	hypo	CHH	-0.0197
Gm03	44013754	44014700	Gmdrm	hypo	CHH	-0.0305
Gm03	44017511	44018505	Gmdrm	hypo	CHH	-0.0226
Gm03	44019519	44020519	Gmdrm	hypo	CHH	-0.017
Gm03	44020524	44021524	Gmdrm	hypo	CHH	-0.1799
Gm03	44021526	44022524	Gmdrm	hypo	CHH	-0.1964

Gm03	44028638	44029634	Gmdrm	hypo	CHH	-0.025
Gm03	44029656	44030626	Gmdrm	hypo	CHH	-0.0629
Gm03	44037900	44038887	Gmdrm	hypo	CHH	-0.0221
Gm03	44043885	44044884	Gmdrm	hypo	CHH	-0.0243
Gm03	44044892	44045891	Gmdrm	hypo	CHH	-0.1146
Gm03	44045917	44046915	Gmdrm	hypo	CHH	-0.0341
Gm03	44047940	44048911	Gmdrm	hypo	CHH	-0.0087
Gm03	44054378	44055376	Gmdrm	hypo	CHH	-0.0441
Gm03	44055382	44056327	Gmdrm	hypo	CHH	-0.0995
Gm03	44084519	44085510	Gmdrm	hypo	CHH	-0.0226
Gm03	44085538	44086513	Gmdrm	hypo	CHH	-0.0207
Gm03	44088639	44089636	Gmdrm	hypo	CHH	-0.1284
Gm03	44089644	44090185	Gmdrm	hypo	CHH	-0.1739
Gm03	44103438	44104407	Gmdrm	hypo	CHH	-0.0085
Gm03	44108526	44109183	Gmdrm	hypo	CHH	-0.0605
Gm03	44111765	44112756	Gmdrm	hypo	CHH	-0.0267
Gm03	44131974	44132969	Gmdrm	hypo	CHH	-0.0626
Gm03	44135638	44136625	Gmdrm	hypo	CHH	-0.0266
Gm03	44137892	44138780	Gmdrm	hypo	CHH	-0.1165
Gm03	44143034	44144000	Gmdrm	hypo	CHH	-0.0816
Gm03	44144035	44145035	Gmdrm	hypo	CHH	-0.0269
Gm03	44147230	44148227	Gmdrm	hypo	CHH	-0.0321
Gm03	44148234	44149228	Gmdrm	hypo	CHH	-0.1076
Gm03	44156925	44157436	Gmdrm	hypo	CHH	-0.0364
Gm03	44158117	44159112	Gmdrm	hypo	CHH	-0.1618
Gm03	44180310	44181303	Gmdrm	hypo	CHH	-0.018
Gm03	44181320	44182267	Gmdrm	hypo	CHH	-0.0538
Gm03	44184952	44185640	Gmdrm	hypo	CHH	-0.0228
Gm03	44187976	44188194	Gmdrm	hypo	CHH	-0.07
Gm03	44188705	44189697	Gmdrm	hypo	CHH	-0.0179
Gm03	44194476	44195247	Gmdrm	hypo	CHH	-0.0244
Gm03	44195858	44196275	Gmdrm	hypo	CHH	-0.0265
Gm03	44208174	44209169	Gmdrm	hypo	CHH	-0.2605
Gm03	44209186	44210183	Gmdrm	hypo	CHH	-0.1341
Gm03	44210187	44210920	Gmdrm	hypo	CHH	-0.382
Gm03	44213244	44214031	Gmdrm	hypo	CHH	-0.0152
Gm03	44221101	44222095	Gmdrm	hypo	CHH	-0.0258
Gm03	44234701	44235681	Gmdrm	hypo	CHH	-0.0279
Gm03	44246228	44247226	Gmdrm	hypo	CHH	-0.2481
Gm03	44247229	44247770	Gmdrm	hypo	CHH	-0.3618
Gm03	44248912	44249898	Gmdrm	hypo	CHH	-0.0237
Gm03	44249914	44250905	Gmdrm	hypo	CHH	-0.0113
Gm03	44262561	44263537	Gmdrm	hypo	CHH	-0.327
Gm03	44265473	44266216	Gmdrm	hypo	CHH	-0.0222
Gm03	44271371	44272370	Gmdrm	hypo	CHH	-0.0181
Gm03	44272394	44273387	Gmdrm	hypo	CHH	-0.0778

Gm03	44276616	44276832	Gmdrm	hypo	CHH	-0.0967
Gm03	44279294	44280275	Gmdrm	hypo	CHH	-0.0162
Gm03	44289999	44290987	Gmdrm	hypo	CHH	-0.0337
Gm03	44295053	44295972	Gmdrm	hypo	CHH	-0.0155
Gm03	44297320	44298311	Gmdrm	hypo	CHH	-0.0645
Gm03	44316373	44317371	Gmdrm	hypo	CHH	-0.0192
Gm03	44317377	44318337	Gmdrm	hypo	CHH	-0.0126
Gm03	44318383	44318651	Gmdrm	hypo	CHH	-0.0317
Gm03	44320811	44321810	Gmdrm	hypo	CHH	-0.019
Gm03	44321826	44322825	Gmdrm	hypo	CHH	-0.2433
Gm03	44331395	44332395	Gmdrm	hypo	CHH	-0.211
Gm03	44332397	44333363	Gmdrm	hypo	CHH	-0.1719
Gm03	44333401	44334398	Gmdrm	hypo	CHH	-0.0134
Gm03	44334407	44335390	Gmdrm	hypo	CHH	-0.0392
Gm03	44347821	44348817	Gmdrm	hypo	CHH	-0.0732
Gm03	44348822	44349402	Gmdrm	hypo	CHH	-0.058
Gm03	44357814	44358769	Gmdrm	hypo	CHH	-0.1183
Gm03	44375882	44376874	Gmdrm	hypo	CHH	-0.0322
Gm03	44378908	44379890	Gmdrm	hypo	CHH	-0.0262
Gm03	44394310	44395309	Gmdrm	hypo	CHH	-0.0305
Gm03	44397338	44398267	Gmdrm	hypo	CHH	-0.0168
Gm03	44399389	44400373	Gmdrm	hypo	CHH	-0.03
Gm03	44405915	44406861	Gmdrm	hypo	CHH	-0.0658
Gm03	44411017	44412005	Gmdrm	hypo	CHH	-0.0424
Gm03	44413052	44414040	Gmdrm	hypo	CHH	-0.0127
Gm03	44423402	44424384	Gmdrm	hypo	CHH	-0.0228
Gm03	44425910	44426811	Gmdrm	hypo	CHH	-0.0569
Gm03	44432954	44433944	Gmdrm	hypo	CHH	-0.0216
Gm03	44433958	44434949	Gmdrm	hypo	CHH	-0.0269
Gm03	44443827	44444815	Gmdrm	hypo	CHH	-0.0171
Gm03	44449556	44450522	Gmdrm	hypo	CHH	-0.027
Gm03	44472044	44473025	Gmdrm	hypo	CHH	-0.0206
Gm03	44485614	44486607	Gmdrm	hypo	CHH	-0.0145
Gm03	44490006	44490997	Gmdrm	hypo	CHH	-0.0357
Gm03	44491018	44492018	Gmdrm	hypo	CHH	-0.0429
Gm03	44492025	44493023	Gmdrm	hypo	CHH	-0.0812
Gm03	44498566	44499521	Gmdrm	hypo	CHH	-0.0216
Gm03	44504820	44505341	Gmdrm	hypo	CHH	-0.0214
Gm03	44513088	44514086	Gmdrm	hypo	CHH	-0.102
Gm03	44514090	44515090	Gmdrm	hypo	CHH	-0.0723
Gm03	44515107	44516102	Gmdrm	hypo	CHH	-0.0401
Gm03	44516115	44517115	Gmdrm	hypo	CHH	-0.0764
Gm03	44524598	44525569	Gmdrm	hypo	CHH	-0.1843
Gm03	44525606	44526602	Gmdrm	hypo	CHH	-0.1065
Gm03	44540270	44541256	Gmdrm	hypo	CHH	-0.0135
Gm03	44541299	44542298	Gmdrm	hypo	CHH	-0.0122

Gm03	44542311	44543167	Gmdrm	hypo	CHH	-0.1409
Gm03	44544408	44545404	Gmdrm	hypo	CHH	-0.026
Gm03	44561609	44562490	Gmdrm	hypo	CHH	-0.0257
Gm03	44569570	44570557	Gmdrm	hypo	CHH	-0.1641
Gm03	44590650	44590753	Gmdrm	hypo	CHH	-0.0543
Gm03	44590876	44591865	Gmdrm	hypo	CHH	-0.0215
Gm03	44591885	44592383	Gmdrm	hypo	CHH	-0.0166
Gm03	44592487	44593487	Gmdrm	hypo	CHH	-0.0886
Gm03	44593490	44594487	Gmdrm	hypo	CHH	-0.1115
Gm03	44594493	44595487	Gmdrm	hypo	CHH	-0.0435
Gm03	44599847	44600818	Gmdrm	hypo	CHH	-0.0267
Gm03	44618805	44619765	Gmdrm	hypo	CHH	-0.0243
Gm03	44627447	44627892	Gmdrm	hypo	CHH	-0.0252
Gm03	44651972	44652102	Gmdrm	hypo	CHH	-0.04
Gm03	44660423	44661422	Gmdrm	hypo	CHH	-0.0526
Gm03	44661424	44662422	Gmdrm	hypo	CHH	-0.0851
Gm03	44662426	44663175	Gmdrm	hypo	CHH	-0.2308
Gm03	44682325	44683280	Gmdrm	hypo	CHH	-0.0425
Gm03	44697098	44698078	Gmdrm	hypo	CHH	-0.0192
Gm03	44705794	44706755	Gmdrm	hypo	CHH	-0.0337
Gm03	44706797	44707663	Gmdrm	hypo	CHH	-0.0914
Gm03	44739404	44740319	Gmdrm	hypo	CHH	-0.0137
Gm03	44741789	44742786	Gmdrm	hypo	CHH	-0.0209
Gm03	44752916	44753909	Gmdrm	hypo	CHH	-0.2078
Gm03	44753920	44754314	Gmdrm	hypo	CHH	-0.0204
Gm03	44754873	44755873	Gmdrm	hypo	CHH	-0.0383
Gm03	44772579	44773579	Gmdrm	hypo	CHH	-0.0416
Gm03	44773580	44774293	Gmdrm	hypo	CHH	-0.014
Gm03	44778440	44779438	Gmdrm	hypo	CHH	-0.0145
Gm03	44779470	44780452	Gmdrm	hypo	CHH	-0.0129
Gm03	44784511	44785510	Gmdrm	hypo	CHH	-0.0229
Gm03	44805262	44806242	Gmdrm	hypo	CHH	-0.0324
Gm03	44807706	44808686	Gmdrm	hypo	CHH	-0.0612
Gm03	44809767	44810763	Gmdrm	hypo	CHH	-0.0207
Gm03	44810775	44811773	Gmdrm	hypo	CHH	-0.0197
Gm03	44817962	44818931	Gmdrm	hypo	CHH	-0.03
Gm03	44818983	44819977	Gmdrm	hypo	CHH	-0.0135
Gm03	44827739	44828733	Gmdrm	hypo	CHH	-0.0851
Gm03	44828746	44829718	Gmdrm	hypo	CHH	-0.0962
Gm03	44832173	44833163	Gmdrm	hypo	CHH	-0.0418
Gm03	44833182	44833821	Gmdrm	hypo	CHH	-0.02
Gm03	44834148	44835148	Gmdrm	hypo	CHH	-0.0928
Gm03	44836159	44837133	Gmdrm	hypo	CHH	-0.0293
Gm03	44847380	44848379	Gmdrm	hypo	CHH	-0.0557
Gm03	44848382	44849301	Gmdrm	hypo	CHH	-0.0914
Gm03	44856140	44857116	Gmdrm	hypo	CHH	-0.021

Gm03	44861835	44862823	Gmdrm	hypo	CHH	-0.0166
Gm03	44878014	44879011	Gmdrm	hypo	CHH	-0.0219
Gm03	44890254	44891248	Gmdrm	hypo	CHH	-0.0157
Gm03	44896601	44897591	Gmdrm	hypo	CHH	-0.0193
Gm03	44898624	44899622	Gmdrm	hypo	CHH	-0.0318
Gm03	44899637	44900632	Gmdrm	hypo	CHH	-0.1241
Gm03	44929178	44930161	Gmdrm	hypo	CHH	-0.0279
Gm03	44937338	44938335	Gmdrm	hypo	CHH	-0.0293
Gm03	44948854	44949852	Gmdrm	hypo	CHH	-0.0115
Gm03	44950937	44951912	Gmdrm	hypo	CHH	-0.017
Gm03	44953979	44954979	Gmdrm	hypo	CHH	-0.072
Gm03	44954984	44955981	Gmdrm	hypo	CHH	-0.0474
Gm03	44964410	44965399	Gmdrm	hypo	CHH	-0.0303
Gm03	44969414	44970395	Gmdrm	hypo	CHH	-0.1697
Gm03	44982343	44983338	Gmdrm	hypo	CHH	-0.0493
Gm03	44987996	44988970	Gmdrm	hypo	CHH	-0.0333
Gm03	44996404	44996697	Gmdrm	hypo	CHH	-0.0241
Gm03	44997824	44998814	Gmdrm	hypo	CHH	-0.0238
Gm03	45010051	45011043	Gmdrm	hypo	CHH	-0.0222
Gm03	45025073	45026067	Gmdrm	hypo	CHH	-0.1879
Gm03	45031085	45031614	Gmdrm	hypo	CHH	-0.0286
Gm03	45033317	45034009	Gmdrm	hypo	CHH	-0.0164
Gm03	45034121	45034318	Gmdrm	hypo	CHH	-0.0375
Gm03	45038290	45039241	Gmdrm	hypo	CHH	-0.0226
Gm03	45048532	45049518	Gmdrm	hypo	CHH	-0.1198
Gm03	45049540	45049853	Gmdrm	hypo	CHH	-0.0764
Gm03	45049996	45050994	Gmdrm	hypo	CHH	-0.1118
Gm03	45051003	45051616	Gmdrm	hypo	CHH	-0.174
Gm03	45056623	45057186	Gmdrm	hypo	CHH	-0.0302
Gm03	45061467	45062467	Gmdrm	hypo	CHH	-0.0187
Gm03	45069417	45070409	Gmdrm	hypo	CHH	-0.1166
Gm03	45071977	45072977	Gmdrm	hypo	CHH	-0.2326
Gm03	45072989	45073513	Gmdrm	hypo	CHH	-0.4094
Gm03	45077077	45077500	Gmdrm	hypo	CHH	-0.0416
Gm03	45080508	45081493	Gmdrm	hypo	CHH	-0.0223
Gm03	45089608	45090606	Gmdrm	hypo	CHH	-0.0283
Gm03	45090610	45091603	Gmdrm	hypo	CHH	-0.0346
Gm03	45101014	45101985	Gmdrm	hypo	CHH	-0.0219
Gm03	45119576	45120003	Gmdrm	hypo	CHH	-0.0326
Gm03	45120455	45121454	Gmdrm	hypo	CHH	-0.1513
Gm03	45161203	45162159	Gmdrm	hypo	CHH	-0.0157
Gm03	45168203	45169203	Gmdrm	hypo	CHH	-0.0439
Gm03	45169207	45169897	Gmdrm	hypo	CHH	-0.0512
Gm03	45177627	45177863	Gmdrm	hypo	CHH	-0.0223
Gm03	45198053	45199049	Gmdrm	hypo	CHH	-0.0726
Gm03	45199064	45200046	Gmdrm	hypo	CHH	-0.0221

Gm03	45200083	45201071	Gmdrm	hypo	CHH	-0.0153
Gm03	45203104	45204088	Gmdrm	hypo	CHH	-0.0215
Gm03	45209640	45210629	Gmdrm	hypo	CHH	-0.0234
Gm03	45210642	45211639	Gmdrm	hypo	CHH	-0.0251
Gm03	45217145	45218135	Gmdrm	hypo	CHH	-0.0966
Gm03	45233393	45234384	Gmdrm	hypo	CHH	-0.1245
Gm03	45247464	45247536	Gmdrm	hypo	CHH	-0.054
Gm03	45252054	45253043	Gmdrm	hypo	CHH	-0.029
Gm03	45266744	45267369	Gmdrm	hypo	CHH	-0.0491
Gm03	45280385	45281325	Gmdrm	hypo	CHH	-0.0389
Gm03	45281647	45282049	Gmdrm	hypo	CHH	-0.038
Gm03	45288616	45289602	Gmdrm	hypo	CHH	-0.0189
Gm03	45289625	45290623	Gmdrm	hypo	CHH	-0.021
Gm03	45294890	45295860	Gmdrm	hypo	CHH	-0.0174
Gm03	45304322	45305084	Gmdrm	hypo	CHH	-0.0193
Gm03	45329938	45330922	Gmdrm	hypo	CHH	-0.1698
Gm03	45331257	45332255	Gmdrm	hypo	CHH	-0.0949
Gm03	45333283	45334276	Gmdrm	hypo	CHH	-0.1252
Gm03	45334291	45335157	Gmdrm	hypo	CHH	-0.124
Gm03	45347200	45347393	Gmdrm	hypo	CHH	-0.0867
Gm03	45355923	45356899	Gmdrm	hypo	CHH	-0.1112
Gm03	45364817	45365741	Gmdrm	hypo	CHH	-0.0587
Gm03	45380182	45381182	Gmdrm	hypo	CHH	-0.0262
Gm03	45383861	45384857	Gmdrm	hypo	CHH	-0.0703
Gm03	45384865	45385861	Gmdrm	hypo	CHH	-0.1092
Gm03	45385871	45386861	Gmdrm	hypo	CHH	-0.0545
Gm03	45401260	45402255	Gmdrm	hypo	CHH	-0.0536
Gm03	45403288	45404284	Gmdrm	hypo	CHH	-0.0638
Gm03	45404293	45405034	Gmdrm	hypo	CHH	-0.1029
Gm03	45432138	45433119	Gmdrm	hypo	CHH	-0.0129
Gm03	45442732	45443728	Gmdrm	hypo	CHH	-0.0156
Gm03	45447874	45448870	Gmdrm	hypo	CHH	-0.0538
Gm03	45463296	45464265	Gmdrm	hypo	CHH	-0.0216
Gm03	45469836	45470804	Gmdrm	hypo	CHH	-0.253
Gm03	45480632	45481616	Gmdrm	hypo	CHH	-0.0164
Gm03	45522631	45523568	Gmdrm	hypo	CHH	-0.2703
Gm03	45560596	45561585	Gmdrm	hypo	CHH	-0.0477
Gm03	45561608	45562604	Gmdrm	hypo	CHH	-0.0589
Gm03	45563822	45564814	Gmdrm	hypo	CHH	-0.0128
Gm03	45589264	45590240	Gmdrm	hypo	CHH	-0.0165
Gm03	45598780	45599722	Gmdrm	hypo	CHH	-0.013
Gm03	45604642	45605629	Gmdrm	hypo	CHH	-0.0714
Gm03	45605662	45606245	Gmdrm	hypo	CHH	-0.1104
Gm03	45613193	45614186	Gmdrm	hypo	CHH	-0.1121
Gm03	45614214	45615214	Gmdrm	hypo	CHH	-0.0676
Gm03	45622821	45622926	Gmdrm	hypo	CHH	-0.082

Gm03	45634625	45635616 Gmdrm	hypo	CHH	-0.0341
Gm03	45635640	45636636 Gmdrm	hypo	CHH	-0.0471
Gm03	45638680	45639055 Gmdrm	hypo	CHH	-0.0243
Gm03	45647178	45647546 Gmdrm	hypo	CHH	-0.034
Gm03	45648696	45649671 Gmdrm	hypo	CHH	-0.0255
Gm03	45667560	45668549 Gmdrm	hypo	CHH	-0.117
Gm03	45674910	45675903 Gmdrm	hypo	CHH	-0.1005
Gm03	45675911	45676898 Gmdrm	hypo	CHH	-0.103
Gm03	45689037	45690031 Gmdrm	hypo	CHH	-0.0152
Gm03	45706343	45707340 Gmdrm	hypo	CHH	-0.0467
Gm03	45711385	45711749 Gmdrm	hypo	CHH	-0.0306
Gm03	45739397	45740067 Gmdrm	hypo	CHH	-0.0325
Gm03	45745197	45746124 Gmdrm	hypo	CHH	-0.0357
Gm03	45753621	45754606 Gmdrm	hypo	CHH	-0.0201
Gm03	45758006	45759005 Gmdrm	hypo	CHH	-0.0287
Gm03	45760054	45761044 Gmdrm	hypo	CHH	-0.0162
Gm03	45766160	45767158 Gmdrm	hypo	CHH	-0.0161
Gm03	45768725	45769717 Gmdrm	hypo	CHH	-0.0189
Gm03	45769733	45769966 Gmdrm	hypo	CHH	-0.0815
Gm03	45779442	45780203 Gmdrm	hypo	CHH	-0.0232
Gm03	45795539	45796521 Gmdrm	hypo	CHH	-0.0504
Gm03	45807756	45808125 Gmdrm	hypo	CHH	-0.0456
Gm03	45813272	45814252 Gmdrm	hypo	CHH	-0.0235
Gm03	45829524	45829641 Gmdrm	hypo	CHH	-0.0422
Gm03	45831116	45832104 Gmdrm	hypo	CHH	-0.0486
Gm03	45837947	45838933 Gmdrm	hypo	CHH	-0.0187
Gm03	45840104	45840680 Gmdrm	hypo	CHH	-0.0276
Gm03	45841786	45842782 Gmdrm	hypo	CHH	-0.0504
Gm03	45842789	45843785 Gmdrm	hypo	CHH	-0.0669
Gm03	45843791	45844766 Gmdrm	hypo	CHH	-0.1277
Gm03	45844795	45845369 Gmdrm	hypo	CHH	-0.0211
Gm03	45850337	45851330 Gmdrm	hypo	CHH	-0.0226
Gm03	45874092	45875092 Gmdrm	hypo	CHH	-0.0612
Gm03	45876482	45876859 Gmdrm	hypo	CHH	-0.0584
Gm03	45878447	45879436 Gmdrm	hypo	CHH	-0.0599
Gm03	45879459	45880412 Gmdrm	hypo	CHH	-0.0236
Gm03	45885964	45886962 Gmdrm	hypo	CHH	-0.0329
Gm03	45912744	45913742 Gmdrm	hypo	CHH	-0.31
Gm03	45913746	45914739 Gmdrm	hypo	CHH	-0.3168
Gm03	45925066	45925851 Gmdrm	hypo	CHH	-0.0168
Gm03	45934028	45935022 Gmdrm	hypo	CHH	-0.014
Gm03	45965253	45966242 Gmdrm	hypo	CHH	-0.0145
Gm03	45968329	45968913 Gmdrm	hypo	CHH	-0.0245
Gm03	45969040	45970014 Gmdrm	hypo	CHH	-0.0208
Gm03	45979979	45980333 Gmdrm	hypo	CHH	-0.0417
Gm03	45981314	45982286 Gmdrm	hypo	CHH	-0.1054

Gm03	45982389	45983387	Gmdrm	hypo	CHH	-0.0987
Gm03	45983397	45984376	Gmdrm	hypo	CHH	-0.1348
Gm03	45987897	45988879	Gmdrm	hypo	CHH	-0.0316
Gm03	45988901	45989896	Gmdrm	hypo	CHH	-0.0808
Gm03	45989907	45990906	Gmdrm	hypo	CHH	-0.0905
Gm03	45990921	45991893	Gmdrm	hypo	CHH	-0.0821
Gm03	45997798	45998794	Gmdrm	hypo	CHH	-0.1281
Gm03	46000346	46001339	Gmdrm	hypo	CHH	-0.0257
Gm03	46001351	46001647	Gmdrm	hypo	CHH	-0.0409
Gm03	46006647	46007636	Gmdrm	hypo	CHH	-0.0747
Gm03	46010311	46011305	Gmdrm	hypo	CHH	-0.1019
Gm03	46011314	46012311	Gmdrm	hypo	CHH	-0.0605
Gm03	46012318	46013318	Gmdrm	hypo	CHH	-0.0912
Gm03	46015763	46016751	Gmdrm	hypo	CHH	-0.033
Gm03	46026532	46027521	Gmdrm	hypo	CHH	-0.0531
Gm03	46041413	46042413	Gmdrm	hypo	CHH	-0.0134
Gm03	46042430	46043409	Gmdrm	hypo	CHH	-0.018
Gm03	46049430	46049451	Gmdrm	hypo	CHH	-0.068
Gm03	46054755	46055751	Gmdrm	hypo	CHH	-0.0202
Gm03	46055791	46056788	Gmdrm	hypo	CHH	-0.0504
Gm03	46056798	46057788	Gmdrm	hypo	CHH	-0.0833
Gm03	46062961	46063244	Gmdrm	hypo	CHH	-0.0493
Gm03	46084702	46085670	Gmdrm	hypo	CHH	-0.0197
Gm03	46098250	46098669	Gmdrm	hypo	CHH	-0.0467
Gm03	46107548	46108547	Gmdrm	hypo	CHH	-0.0162
Gm03	46113123	46114121	Gmdrm	hypo	CHH	-0.0312
Gm03	46122222	46123215	Gmdrm	hypo	CHH	-0.0128
Gm03	46123230	46124218	Gmdrm	hypo	CHH	-0.1246
Gm03	46125267	46125990	Gmdrm	hypo	CHH	-0.0647
Gm03	46134741	46134925	Gmdrm	hypo	CHH	-0.2405
Gm03	46148587	46149585	Gmdrm	hypo	CHH	-0.0291
Gm03	46149596	46150573	Gmdrm	hypo	CHH	-0.0553
Gm03	46150647	46151612	Gmdrm	hypo	CHH	-0.0257
Gm03	46152002	46152976	Gmdrm	hypo	CHH	-0.0474
Gm03	46168934	46169587	Gmdrm	hypo	CHH	-0.0278
Gm03	46170201	46171186	Gmdrm	hypo	CHH	-0.0204
Gm03	46171209	46172200	Gmdrm	hypo	CHH	-0.0646
Gm03	46172213	46173198	Gmdrm	hypo	CHH	-0.0146
Gm03	46173216	46173821	Gmdrm	hypo	CHH	-0.0172
Gm03	46175054	46176040	Gmdrm	hypo	CHH	-0.0148
Gm03	46194762	46195713	Gmdrm	hypo	CHH	-0.1163
Gm03	46207183	46208169	Gmdrm	hypo	CHH	-0.0261
Gm03	46214498	46215498	Gmdrm	hypo	CHH	-0.0739
Gm03	46217515	46218509	Gmdrm	hypo	CHH	-0.0776
Gm03	46223362	46224358	Gmdrm	hypo	CHH	-0.0475
Gm03	46229518	46230493	Gmdrm	hypo	CHH	-0.0279

Gm03	46234224	46235179	Gmdrm	hypo	CHH	-0.0291
Gm03	46239103	46240094	Gmdrm	hypo	CHH	-0.3606
Gm03	46246179	46247150	Gmdrm	hypo	CHH	-0.0101
Gm03	46254712	46255689	Gmdrm	hypo	CHH	-0.0228
Gm03	46273621	46274620	Gmdrm	hypo	CHH	-0.0328
Gm03	46276622	46277622	Gmdrm	hypo	CHH	-0.0651
Gm03	46277623	46278622	Gmdrm	hypo	CHH	-0.0403
Gm03	46300503	46301503	Gmdrm	hypo	CHH	-0.1533
Gm03	46302544	46303532	Gmdrm	hypo	CHH	-0.0888
Gm03	46305685	46306683	Gmdrm	hypo	CHH	-0.1435
Gm03	46306687	46307666	Gmdrm	hypo	CHH	-0.0663
Gm03	46307701	46308676	Gmdrm	hypo	CHH	-0.0171
Gm03	46312543	46313033	Gmdrm	hypo	CHH	-0.0137
Gm03	46321993	46322990	Gmdrm	hypo	CHH	-0.0519
Gm03	46330923	46331071	Gmdrm	hypo	CHH	-0.0429
Gm03	46344417	46345417	Gmdrm	hypo	CHH	-0.017
Gm03	46350410	46351408	Gmdrm	hypo	CHH	-0.0105
Gm03	46353317	46354297	Gmdrm	hypo	CHH	-0.02
Gm03	46354322	46354613	Gmdrm	hypo	CHH	-0.0546
Gm03	46365306	46366268	Gmdrm	hypo	CHH	-0.1862
Gm03	46368531	46369530	Gmdrm	hypo	CHH	-0.0169
Gm03	46370573	46371546	Gmdrm	hypo	CHH	-0.0221
Gm03	46372843	46373841	Gmdrm	hypo	CHH	-0.0141
Gm03	46373855	46374839	Gmdrm	hypo	CHH	-0.0917
Gm03	46382872	46383858	Gmdrm	hypo	CHH	-0.33
Gm03	46388954	46389090	Gmdrm	hypo	CHH	-0.0307
Gm03	46399038	46400035	Gmdrm	hypo	CHH	-0.0942
Gm03	46400039	46401037	Gmdrm	hypo	CHH	-0.0982
Gm03	46406613	46407061	Gmdrm	hypo	CHH	-0.0396
Gm03	46410296	46411291	Gmdrm	hypo	CHH	-0.0403
Gm03	46411324	46412323	Gmdrm	hypo	CHH	-0.0994
Gm03	46412338	46413021	Gmdrm	hypo	CHH	-0.0257
Gm03	46414168	46415134	Gmdrm	hypo	CHH	-0.052
Gm03	46418194	46419173	Gmdrm	hypo	CHH	-0.0177
Gm03	46420211	46421211	Gmdrm	hypo	CHH	-0.0731
Gm03	46429273	46430267	Gmdrm	hypo	CHH	-0.0303
Gm03	46438725	46439188	Gmdrm	hypo	CHH	-0.0395
Gm03	46442448	46443447	Gmdrm	hypo	CHH	-0.0123
Gm03	46449329	46450301	Gmdrm	hypo	CHH	-0.0211
Gm03	46456555	46457541	Gmdrm	hypo	CHH	-0.1014
Gm03	46470461	46471458	Gmdrm	hypo	CHH	-0.0354
Gm03	46482553	46483551	Gmdrm	hypo	CHH	-0.0146
Gm03	46489064	46490008	Gmdrm	hypo	CHH	-0.0128
Gm03	46499118	46500114	Gmdrm	hypo	CHH	-0.0222
Gm03	46501294	46502271	Gmdrm	hypo	CHH	-0.0278
Gm03	46503306	46504299	Gmdrm	hypo	CHH	-0.0395

Gm03	46508551	46509534	Gmdrm	hypo	CHH	-0.0161
Gm03	46509552	46510536	Gmdrm	hypo	CHH	-0.0673
Gm03	46510555	46511555	Gmdrm	hypo	CHH	-0.0397
Gm03	46519540	46520522	Gmdrm	hypo	CHH	-0.0205
Gm03	46523580	46524580	Gmdrm	hypo	CHH	-0.0152
Gm03	46532533	46533515	Gmdrm	hypo	CHH	-0.303
Gm03	46533536	46534528	Gmdrm	hypo	CHH	-0.3355
Gm03	46544319	46545317	Gmdrm	hypo	CHH	-0.0122
Gm03	46550578	46551575	Gmdrm	hypo	CHH	-0.1655
Gm03	46551580	46552577	Gmdrm	hypo	CHH	-0.0609
Gm03	46554214	46554901	Gmdrm	hypo	CHH	-0.0254
Gm03	46566872	46567865	Gmdrm	hypo	CHH	-0.0793
Gm03	46596045	46597031	Gmdrm	hypo	CHH	-0.0138
Gm03	46599934	46600931	Gmdrm	hypo	CHH	-0.0267
Gm03	46604460	46604608	Gmdrm	hypo	CHH	-0.028
Gm03	46611811	46612802	Gmdrm	hypo	CHH	-0.014
Gm03	46615367	46615529	Gmdrm	hypo	CHH	-0.0484
Gm03	46621715	46622690	Gmdrm	hypo	CHH	-0.0444
Gm03	46630578	46631564	Gmdrm	hypo	CHH	-0.0202
Gm03	46640584	46641572	Gmdrm	hypo	CHH	-0.0793
Gm03	46642603	46643115	Gmdrm	hypo	CHH	-0.0327
Gm03	46645269	46645497	Gmdrm	hypo	CHH	-0.0423
Gm03	46651611	46652593	Gmdrm	hypo	CHH	-0.0416
Gm03	46669458	46670445	Gmdrm	hypo	CHH	-0.0306
Gm03	46670469	46671466	Gmdrm	hypo	CHH	-0.1873
Gm03	46679376	46680374	Gmdrm	hypo	CHH	-0.0206
Gm03	46687124	46687661	Gmdrm	hypo	CHH	-0.0198
Gm03	46705041	46706037	Gmdrm	hypo	CHH	-0.0904
Gm03	46706044	46706365	Gmdrm	hypo	CHH	-0.1572
Gm03	46722751	46723750	Gmdrm	hypo	CHH	-0.0175
Gm03	46728328	46728728	Gmdrm	hypo	CHH	-0.0492
Gm03	46739714	46740714	Gmdrm	hypo	CHH	-0.0926
Gm03	46740720	46741102	Gmdrm	hypo	CHH	-0.3451
Gm03	46743282	46744262	Gmdrm	hypo	CHH	-0.1087
Gm03	46751333	46752291	Gmdrm	hypo	CHH	-0.0722
Gm03	46761160	46762159	Gmdrm	hypo	CHH	-0.0809
Gm03	46762162	46763115	Gmdrm	hypo	CHH	-0.1508
Gm03	46774511	46775478	Gmdrm	hypo	CHH	-0.0183
Gm03	46778531	46779522	Gmdrm	hypo	CHH	-0.0108
Gm03	46787755	46788157	Gmdrm	hypo	CHH	-0.0397
Gm03	46798909	46799905	Gmdrm	hypo	CHH	-0.0207
Gm03	46801991	46802991	Gmdrm	hypo	CHH	-0.0199
Gm03	46802993	46803991	Gmdrm	hypo	CHH	-0.1396
Gm03	46820389	46821384	Gmdrm	hypo	CHH	-0.0903
Gm03	46821400	46822361	Gmdrm	hypo	CHH	-0.0239
Gm03	46839915	46840302	Gmdrm	hypo	CHH	-0.0185

Gm03	46849654	46850653	Gmdrm	hypo	CHH	-0.0914
Gm03	46850655	46851650	Gmdrm	hypo	CHH	-0.0687
Gm03	46853313	46854156	Gmdrm	hypo	CHH	-0.0169
Gm03	46857595	46858556	Gmdrm	hypo	CHH	-0.0229
Gm03	46865898	46866898	Gmdrm	hypo	CHH	-0.0321
Gm03	46866909	46867908	Gmdrm	hypo	CHH	-0.123
Gm03	46870013	46871013	Gmdrm	hypo	CHH	-0.1133
Gm03	46871019	46872015	Gmdrm	hypo	CHH	-0.0735
Gm03	46872028	46872185	Gmdrm	hypo	CHH	-0.1635
Gm03	46881051	46882044	Gmdrm	hypo	CHH	-0.0485
Gm03	46882059	46883059	Gmdrm	hypo	CHH	-0.0117
Gm03	46889311	46890307	Gmdrm	hypo	CHH	-0.0436
Gm03	46904225	46905215	Gmdrm	hypo	CHH	-0.0174
Gm03	46910671	46911669	Gmdrm	hypo	CHH	-0.0295
Gm03	46920695	46921672	Gmdrm	hypo	CHH	-0.0198
Gm03	46922003	46923001	Gmdrm	hypo	CHH	-0.0448
Gm03	46923004	46923099	Gmdrm	hypo	CHH	-0.1731
Gm03	46924219	46925210	Gmdrm	hypo	CHH	-0.0275
Gm03	46931768	46932764	Gmdrm	hypo	CHH	-0.1117
Gm03	46936602	46937322	Gmdrm	hypo	CHH	-0.0246
Gm03	46938500	46939006	Gmdrm	hypo	CHH	-0.0207
Gm03	46941590	46942080	Gmdrm	hypo	CHH	-0.0583
Gm03	46946067	46946971	Gmdrm	hypo	CHH	-0.0642
Gm03	46948089	46949087	Gmdrm	hypo	CHH	-0.0932
Gm03	46949090	46949681	Gmdrm	hypo	CHH	-0.1174
Gm03	46950345	46951335	Gmdrm	hypo	CHH	-0.0925
Gm03_scaffo	354	1353	Gmdrm	hypo	CHH	-0.0318
Gm03_scaffo	1366	2349	Gmdrm	hypo	CHH	-0.0128
Gm03_scaffo	8518	8570	Gmdrm	hypo	CHH	-0.084
Gm03_scaffo	10838	11832	Gmdrm	hypo	CHH	-0.0243
Gm03_scaffo	16352	16982	Gmdrm	hypo	CHH	-0.0489
Gm03_scaffo	19525	20185	Gmdrm	hypo	CHH	-0.0425
Gm03_scaffo	20315	21314	Gmdrm	hypo	CHH	-0.0652
Gm03_scaffo	4741	5443	Gmdrm	hypo	CHH	-0.0464
Gm03_scaffo	5571	6442	Gmdrm	hypo	CHH	-0.07
Gm03_scaffo	6630	7625	Gmdrm	hypo	CHH	-0.0927
Gm03_scaffo	10752	11730	Gmdrm	hypo	CHH	-0.0258
Gm03_scaffo	11759	12205	Gmdrm	hypo	CHH	-0.0276
Gm03_scaffo	12335	13328	Gmdrm	hypo	CHH	-0.0251
Gm03_scaffo	13338	13782	Gmdrm	hypo	CHH	-0.0187
Gm03_scaffo	16378	16952	Gmdrm	hypo	CHH	-0.0219
Gm03_scaffo	19271	19979	Gmdrm	hypo	CHH	-0.0316
Gm03_scaffo	143	1140	Gmdrm	hypo	CHH	-0.0774
Gm03_scaffo	1146	1609	Gmdrm	hypo	CHH	-0.0851
Gm03_scaffo	2764	3747	Gmdrm	hypo	CHH	-0.0301
Gm03_scaffo	24091	24808	Gmdrm	hypo	CHH	-0.0506

Gm03_scaffo	24940	25184	Gmdrm	hypo	CHH	-0.1321
Gm03_scaffo	26844	27842	Gmdrm	hypo	CHH	-0.0241
Gm03_scaffo	43762	44759	Gmdrm	hypo	CHH	-0.0589
Gm03_scaffo	52232	52398	Gmdrm	hypo	CHH	-0.1682
Gm03_scaffo	56507	56891	Gmdrm	hypo	CHH	-0.1029
Gm03_scaffo	57382	58263	Gmdrm	hypo	CHH	-0.0637
Gm03_scaffo	61141	61587	Gmdrm	hypo	CHH	-0.0602
Gm03_scaffo	79401	79414	Gmdrm	hypo	CHH	-0.106
Gm03_scaffo	92359	92522	Gmdrm	hypo	CHH	-0.3275
Gm03_scaffo	111977	112959	Gmdrm	hypo	CHH	-0.0447
Gm03_scaffo	142778	143778	Gmdrm	hypo	CHH	-0.0642
Gm03_scaffo	149233	149815	Gmdrm	hypo	CHH	-0.0629
Gm03_scaffo	167610	168608	Gmdrm	hypo	CHH	-0.0942
Gm03_scaffo	171995	172991	Gmdrm	hypo	CHH	-0.1699
Gm03_scaffo	172998	173996	Gmdrm	hypo	CHH	-0.0855
Gm03_scaffo	176359	176751	Gmdrm	hypo	CHH	-0.0314
Gm03_scaffo	199781	200767	Gmdrm	hypo	CHH	-0.0248
Gm03_scaffo	313372	313666	Gmdrm	hypo	CHH	-0.0705
Gm03_scaffo	321685	322660	Gmdrm	hypo	CHH	-0.0339
Gm04	6460	7459	Gmdrm	hypo	CHH	-0.1332
Gm04	7465	8459	Gmdrm	hypo	CHH	-0.0406
Gm04	11733	12516	Gmdrm	hypo	CHH	-0.0885
Gm04	14945	15944	Gmdrm	hypo	CHH	-0.1036
Gm04	21188	21785	Gmdrm	hypo	CHH	-0.1536
Gm04	21893	22882	Gmdrm	hypo	CHH	-0.0204
Gm04	27598	28563	Gmdrm	hypo	CHH	-0.0049
Gm04	44351	45293	Gmdrm	hypo	CHH	-0.0336
Gm04	61770	62769	Gmdrm	hypo	CHH	-0.0248
Gm04	65871	66857	Gmdrm	hypo	CHH	-0.0188
Gm04	67638	68638	Gmdrm	hypo	CHH	-0.0892
Gm04	84481	85480	Gmdrm	hypo	CHH	-0.0766
Gm04	90451	91363	Gmdrm	hypo	CHH	-0.02
Gm04	91950	92924	Gmdrm	hypo	CHH	-0.0144
Gm04	93881	94881	Gmdrm	hypo	CHH	-0.0239
Gm04	95390	96358	Gmdrm	hypo	CHH	-0.0183
Gm04	105141	106054	Gmdrm	hypo	CHH	-0.0224
Gm04	106265	106311	Gmdrm	hypo	CHH	-0.05
Gm04	109117	110110	Gmdrm	hypo	CHH	-0.0548
Gm04	110579	111143	Gmdrm	hypo	CHH	-0.0372
Gm04	113048	113875	Gmdrm	hypo	CHH	-0.03
Gm04	115315	116265	Gmdrm	hypo	CHH	-0.0808
Gm04	116721	117718	Gmdrm	hypo	CHH	-0.2889
Gm04	117722	117965	Gmdrm	hypo	CHH	-0.5739
Gm04	118401	119401	Gmdrm	hypo	CHH	-0.1062
Gm04	119402	120390	Gmdrm	hypo	CHH	-0.0645
Gm04	129564	130559	Gmdrm	hypo	CHH	-0.047

Gm04	132589	132778 Gmdrm	hypo	CHH	-0.0518
Gm04	134804	135800 Gmdrm	hypo	CHH	-0.0393
Gm04	140841	141366 Gmdrm	hypo	CHH	-0.6196
Gm04	142830	143817 Gmdrm	hypo	CHH	-0.0172
Gm04	156891	157890 Gmdrm	hypo	CHH	-0.0249
Gm04	172055	173025 Gmdrm	hypo	CHH	-0.0175
Gm04	185131	186129 Gmdrm	hypo	CHH	-0.0116
Gm04	189401	190389 Gmdrm	hypo	CHH	-0.0207
Gm04	194098	194246 Gmdrm	hypo	CHH	-0.052
Gm04	200723	201716 Gmdrm	hypo	CHH	-0.0112
Gm04	224236	225236 Gmdrm	hypo	CHH	-0.0406
Gm04	231759	232057 Gmdrm	hypo	CHH	-0.0215
Gm04	234342	235131 Gmdrm	hypo	CHH	-0.0208
Gm04	238895	239731 Gmdrm	hypo	CHH	-0.0172
Gm04	243196	244195 Gmdrm	hypo	CHH	-0.0725
Gm04	244200	245199 Gmdrm	hypo	CHH	-0.0508
Gm04	268380	269371 Gmdrm	hypo	CHH	-0.4901
Gm04	269384	270056 Gmdrm	hypo	CHH	-0.1647
Gm04	278319	279302 Gmdrm	hypo	CHH	-0.0159
Gm04	279356	280351 Gmdrm	hypo	CHH	-0.1554
Gm04	280359	281358 Gmdrm	hypo	CHH	-0.0431
Gm04	281361	282341 Gmdrm	hypo	CHH	-0.1205
Gm04	320078	320239 Gmdrm	hypo	CHH	-0.0787
Gm04	322482	323468 Gmdrm	hypo	CHH	-0.1344
Gm04	330240	330743 Gmdrm	hypo	CHH	-0.0325
Gm04	336168	337161 Gmdrm	hypo	CHH	-0.0363
Gm04	337179	338179 Gmdrm	hypo	CHH	-0.0983
Gm04	343434	344434 Gmdrm	hypo	CHH	-0.0485
Gm04	344457	345083 Gmdrm	hypo	CHH	-0.0456
Gm04	354360	355355 Gmdrm	hypo	CHH	-0.1927
Gm04	355362	356354 Gmdrm	hypo	CHH	-0.1084
Gm04	356372	357354 Gmdrm	hypo	CHH	-0.0145
Gm04	377219	378157 Gmdrm	hypo	CHH	-0.0696
Gm04	390385	391108 Gmdrm	hypo	CHH	-0.0678
Gm04	391506	392497 Gmdrm	hypo	CHH	-0.0466
Gm04	392507	393413 Gmdrm	hypo	CHH	-0.0699
Gm04	401831	402816 Gmdrm	hypo	CHH	-0.0342
Gm04	419430	420406 Gmdrm	hypo	CHH	-0.2585
Gm04	420437	421436 Gmdrm	hypo	CHH	-0.0794
Gm04	421452	422434 Gmdrm	hypo	CHH	-0.0581
Gm04	422479	423471 Gmdrm	hypo	CHH	-0.0168
Gm04	426560	427545 Gmdrm	hypo	CHH	-0.0514
Gm04	431315	432311 Gmdrm	hypo	CHH	-0.2233
Gm04	432529	433514 Gmdrm	hypo	CHH	-0.0147
Gm04	449649	450628 Gmdrm	hypo	CHH	-0.0784
Gm04	450650	451640 Gmdrm	hypo	CHH	-0.0483

Gm04	452956	453024 Gmdrm	hypo	CHH	-0.038
Gm04	457921	458907 Gmdrm	hypo	CHH	-0.1597
Gm04	458929	459913 Gmdrm	hypo	CHH	-0.1202
Gm04	463090	464066 Gmdrm	hypo	CHH	-0.0756
Gm04	476881	477867 Gmdrm	hypo	CHH	-0.1492
Gm04	479333	480331 Gmdrm	hypo	CHH	-0.0152
Gm04	484243	485215 Gmdrm	hypo	CHH	-0.0194
Gm04	486337	486941 Gmdrm	hypo	CHH	-0.091
Gm04	487074	488029 Gmdrm	hypo	CHH	-0.0388
Gm04	489085	490080 Gmdrm	hypo	CHH	-0.0592
Gm04	491140	492135 Gmdrm	hypo	CHH	-0.0522
Gm04	501037	502031 Gmdrm	hypo	CHH	-0.0313
Gm04	522536	523536 Gmdrm	hypo	CHH	-0.0644
Gm04	532147	533145 Gmdrm	hypo	CHH	-0.0166
Gm04	533157	533721 Gmdrm	hypo	CHH	-0.0397
Gm04	540430	541411 Gmdrm	hypo	CHH	-0.0296
Gm04	548510	549497 Gmdrm	hypo	CHH	-0.0231
Gm04	552104	553087 Gmdrm	hypo	CHH	-0.2282
Gm04	557094	558090 Gmdrm	hypo	CHH	-0.0125
Gm04	560426	561417 Gmdrm	hypo	CHH	-0.0125
Gm04	562543	563459 Gmdrm	hypo	CHH	-0.1964
Gm04	563552	564195 Gmdrm	hypo	CHH	-0.0928
Gm04	568283	569271 Gmdrm	hypo	CHH	-0.0294
Gm04	569286	570281 Gmdrm	hypo	CHH	-0.0276
Gm04	575862	576828 Gmdrm	hypo	CHH	-0.0882
Gm04	579661	580284 Gmdrm	hypo	CHH	-0.0214
Gm04	583901	584133 Gmdrm	hypo	CHH	-0.0203
Gm04	594528	595519 Gmdrm	hypo	CHH	-0.0605
Gm04	595537	596518 Gmdrm	hypo	CHH	-0.0937
Gm04	623417	624410 Gmdrm	hypo	CHH	-0.0144
Gm04	626445	627444 Gmdrm	hypo	CHH	-0.0308
Gm04	628781	629779 Gmdrm	hypo	CHH	-0.008
Gm04	633987	634124 Gmdrm	hypo	CHH	-0.0817
Gm04	635581	636580 Gmdrm	hypo	CHH	-0.0157
Gm04	636605	637585 Gmdrm	hypo	CHH	-0.19
Gm04	637607	638579 Gmdrm	hypo	CHH	-0.2041
Gm04	653352	653714 Gmdrm	hypo	CHH	-0.0268
Gm04	659113	659617 Gmdrm	hypo	CHH	-0.0203
Gm04	662446	663435 Gmdrm	hypo	CHH	-0.1147
Gm04	665666	666300 Gmdrm	hypo	CHH	-0.1719
Gm04	679485	680479 Gmdrm	hypo	CHH	-0.0308
Gm04	680487	681471 Gmdrm	hypo	CHH	-0.0261
Gm04	681491	682384 Gmdrm	hypo	CHH	-0.2327
Gm04	685525	686335 Gmdrm	hypo	CHH	-0.0323
Gm04	689836	690781 Gmdrm	hypo	CHH	-0.0452
Gm04	690857	691824 Gmdrm	hypo	CHH	-0.1084

Gm04	692477	693452 Gmdrm	hypo	CHH	-0.0363
Gm04	695080	696074 Gmdrm	hypo	CHH	-0.0508
Gm04	696092	697092 Gmdrm	hypo	CHH	-0.1504
Gm04	709628	710621 Gmdrm	hypo	CHH	-0.3172
Gm04	715024	716016 Gmdrm	hypo	CHH	-0.181
Gm04	716031	716850 Gmdrm	hypo	CHH	-0.0149
Gm04	722110	723081 Gmdrm	hypo	CHH	-0.026
Gm04	726191	726749 Gmdrm	hypo	CHH	-0.0261
Gm04	727249	728248 Gmdrm	hypo	CHH	-0.0714
Gm04	732641	733176 Gmdrm	hypo	CHH	-0.0245
Gm04	741438	742414 Gmdrm	hypo	CHH	-0.0222
Gm04	752143	753139 Gmdrm	hypo	CHH	-0.1391
Gm04	756864	757861 Gmdrm	hypo	CHH	-0.3341
Gm04	762167	763161 Gmdrm	hypo	CHH	-0.0994
Gm04	770841	771829 Gmdrm	hypo	CHH	-0.0835
Gm04	772860	773846 Gmdrm	hypo	CHH	-0.0177
Gm04	785839	786810 Gmdrm	hypo	CHH	-0.2375
Gm04	786845	787845 Gmdrm	hypo	CHH	-0.2142
Gm04	801117	802114 Gmdrm	hypo	CHH	-0.0689
Gm04	805972	806952 Gmdrm	hypo	CHH	-0.0158
Gm04	809015	810013 Gmdrm	hypo	CHH	-0.083
Gm04	810017	810825 Gmdrm	hypo	CHH	-0.055
Gm04	812505	813469 Gmdrm	hypo	CHH	-0.0165
Gm04	818543	819527 Gmdrm	hypo	CHH	-0.1581
Gm04	819546	820545 Gmdrm	hypo	CHH	-0.1029
Gm04	820563	821540 Gmdrm	hypo	CHH	-0.0289
Gm04	822589	823154 Gmdrm	hypo	CHH	-0.023
Gm04	842162	843132 Gmdrm	hypo	CHH	-0.0397
Gm04	851206	852183 Gmdrm	hypo	CHH	-0.0449
Gm04	859375	860368 Gmdrm	hypo	CHH	-0.0897
Gm04	860384	861247 Gmdrm	hypo	CHH	-0.0345
Gm04	873330	874326 Gmdrm	hypo	CHH	-0.0223
Gm04	882046	883043 Gmdrm	hypo	CHH	-0.1081
Gm04	883051	884049 Gmdrm	hypo	CHH	-0.0759
Gm04	884060	885045 Gmdrm	hypo	CHH	-0.024
Gm04	891358	892317 Gmdrm	hypo	CHH	-0.0238
Gm04	916692	917632 Gmdrm	hypo	CHH	-0.0321
Gm04	920616	921611 Gmdrm	hypo	CHH	-0.3118
Gm04	935012	935986 Gmdrm	hypo	CHH	-0.0175
Gm04	937077	937355 Gmdrm	hypo	CHH	-0.0862
Gm04	937649	938640 Gmdrm	hypo	CHH	-0.0561
Gm04	938660	938860 Gmdrm	hypo	CHH	-0.1186
Gm04	938986	939939 Gmdrm	hypo	CHH	-0.0884
Gm04	942138	943124 Gmdrm	hypo	CHH	-0.0134
Gm04	949993	950992 Gmdrm	hypo	CHH	-0.0313
Gm04	950994	951977 Gmdrm	hypo	CHH	-0.0466

Gm04	954563	955545 Gmdrm	hypo	CHH	-0.0369
Gm04	955573	956531 Gmdrm	hypo	CHH	-0.1583
Gm04	963747	964737 Gmdrm	hypo	CHH	-0.0093
Gm04	974389	975376 Gmdrm	hypo	CHH	-0.0307
Gm04	983435	984435 Gmdrm	hypo	CHH	-0.0348
Gm04	984438	985394 Gmdrm	hypo	CHH	-0.2646
Gm04	993856	994521 Gmdrm	hypo	CHH	-0.0437
Gm04	995050	996019 Gmdrm	hypo	CHH	-0.0341
Gm04	997299	998297 Gmdrm	hypo	CHH	-0.0173
Gm04	1030120	1031103 Gmdrm	hypo	CHH	-0.0178
Gm04	1037356	1038240 Gmdrm	hypo	CHH	-0.0662
Gm04	1042913	1043909 Gmdrm	hypo	CHH	-0.0394
Gm04	1043915	1044910 Gmdrm	hypo	CHH	-0.021
Gm04	1050511	1051499 Gmdrm	hypo	CHH	-0.0349
Gm04	1068518	1069509 Gmdrm	hypo	CHH	-0.0847
Gm04	1081345	1082316 Gmdrm	hypo	CHH	-0.03
Gm04	1083485	1084456 Gmdrm	hypo	CHH	-0.04
Gm04	1086504	1087113 Gmdrm	hypo	CHH	-0.016
Gm04	1091460	1092459 Gmdrm	hypo	CHH	-0.0287
Gm04	1097410	1097879 Gmdrm	hypo	CHH	-0.0485
Gm04	1099098	1100092 Gmdrm	hypo	CHH	-0.1198
Gm04	1100101	1100676 Gmdrm	hypo	CHH	-0.2936
Gm04	1101297	1101783 Gmdrm	hypo	CHH	-0.031
Gm04	1106612	1107611 Gmdrm	hypo	CHH	-0.0474
Gm04	1107613	1108234 Gmdrm	hypo	CHH	-0.3643
Gm04	1108444	1109435 Gmdrm	hypo	CHH	-0.2126
Gm04	1120570	1121564 Gmdrm	hypo	CHH	-0.0169
Gm04	1130518	1131501 Gmdrm	hypo	CHH	-0.0132
Gm04	1132260	1133219 Gmdrm	hypo	CHH	-0.0338
Gm04	1148671	1148829 Gmdrm	hypo	CHH	-0.0483
Gm04	1161366	1162333 Gmdrm	hypo	CHH	-0.0131
Gm04	1165974	1166937 Gmdrm	hypo	CHH	-0.0218
Gm04	1168569	1169565 Gmdrm	hypo	CHH	-0.0581
Gm04	1174693	1175689 Gmdrm	hypo	CHH	-0.0181
Gm04	1186283	1187277 Gmdrm	hypo	CHH	-0.0167
Gm04	1188683	1188760 Gmdrm	hypo	CHH	-0.1
Gm04	1198804	1199791 Gmdrm	hypo	CHH	-0.0192
Gm04	1217960	1218958 Gmdrm	hypo	CHH	-0.0347
Gm04	1249508	1250502 Gmdrm	hypo	CHH	-0.1846
Gm04	1272573	1273291 Gmdrm	hypo	CHH	-0.0311
Gm04	1273527	1274522 Gmdrm	hypo	CHH	-0.0663
Gm04	1274532	1275515 Gmdrm	hypo	CHH	-0.041
Gm04	1278405	1279356 Gmdrm	hypo	CHH	-0.0265
Gm04	1282598	1283598 Gmdrm	hypo	CHH	-0.0961
Gm04	1283601	1284598 Gmdrm	hypo	CHH	-0.0778
Gm04	1298761	1299581 Gmdrm	hypo	CHH	-0.0594

Gm04	1301414	1302053 Gmdrm	hypo	CHH	-0.0314
Gm04	1311143	1312140 Gmdrm	hypo	CHH	-0.0135
Gm04	1312420	1313404 Gmdrm	hypo	CHH	-0.0434
Gm04	1332337	1332860 Gmdrm	hypo	CHH	-0.0177
Gm04	1341824	1342812 Gmdrm	hypo	CHH	-0.0151
Gm04	1344865	1345862 Gmdrm	hypo	CHH	-0.0237
Gm04	1348063	1349047 Gmdrm	hypo	CHH	-0.015
Gm04	1358304	1359300 Gmdrm	hypo	CHH	-0.4484
Gm04	1359316	1360309 Gmdrm	hypo	CHH	-0.1765
Gm04	1371871	1372844 Gmdrm	hypo	CHH	-0.0637
Gm04	1372872	1373855 Gmdrm	hypo	CHH	-0.0854
Gm04	1373873	1374852 Gmdrm	hypo	CHH	-0.0118
Gm04	1377956	1378932 Gmdrm	hypo	CHH	-0.0238
Gm04	1378990	1379982 Gmdrm	hypo	CHH	-0.0224
Gm04	1390551	1391538 Gmdrm	hypo	CHH	-0.1004
Gm04	1392570	1393077 Gmdrm	hypo	CHH	-0.0183
Gm04	1397511	1398499 Gmdrm	hypo	CHH	-0.0246
Gm04	1399657	1400651 Gmdrm	hypo	CHH	-0.0632
Gm04	1400699	1401689 Gmdrm	hypo	CHH	-0.0209
Gm04	1421960	1422558 Gmdrm	hypo	CHH	-0.1697
Gm04	1422804	1423797 Gmdrm	hypo	CHH	-0.0615
Gm04	1426451	1427438 Gmdrm	hypo	CHH	-0.0424
Gm04	1444636	1444856 Gmdrm	hypo	CHH	-0.0425
Gm04	1449354	1450349 Gmdrm	hypo	CHH	-0.1395
Gm04	1454234	1454663 Gmdrm	hypo	CHH	-0.0295
Gm04	1454776	1455676 Gmdrm	hypo	CHH	-0.0609
Gm04	1457054	1457647 Gmdrm	hypo	CHH	-0.0765
Gm04	1457783	1458057 Gmdrm	hypo	CHH	-0.0781
Gm04	1459006	1459977 Gmdrm	hypo	CHH	-0.2372
Gm04	1465704	1466700 Gmdrm	hypo	CHH	-0.0775
Gm04	1470196	1471131 Gmdrm	hypo	CHH	-0.0201
Gm04	1471206	1472192 Gmdrm	hypo	CHH	-0.1098
Gm04	1472209	1473194 Gmdrm	hypo	CHH	-0.0368
Gm04	1482946	1483040 Gmdrm	hypo	CHH	-0.035
Gm04	1495385	1496342 Gmdrm	hypo	CHH	-0.0176
Gm04	1501968	1502939 Gmdrm	hypo	CHH	-0.0164
Gm04	1504991	1505984 Gmdrm	hypo	CHH	-0.2206
Gm04	1507686	1508682 Gmdrm	hypo	CHH	-0.2045
Gm04	1508692	1509679 Gmdrm	hypo	CHH	-0.0546
Gm04	1517876	1517936 Gmdrm	hypo	CHH	-0.048
Gm04	1521056	1521902 Gmdrm	hypo	CHH	-0.0177
Gm04	1533752	1534732 Gmdrm	hypo	CHH	-0.0195
Gm04	1544562	1545529 Gmdrm	hypo	CHH	-0.0609
Gm04	1545596	1546536 Gmdrm	hypo	CHH	-0.1172
Gm04	1555448	1556073 Gmdrm	hypo	CHH	-0.0219
Gm04	1556425	1557372 Gmdrm	hypo	CHH	-0.1656

Gm04	1559662	1560394	Gmdrm	hypo	CHH	-0.0916
Gm04	1563217	1564213	Gmdrm	hypo	CHH	-0.0697
Gm04	1577015	1577987	Gmdrm	hypo	CHH	-0.0518
Gm04	1596082	1597082	Gmdrm	hypo	CHH	-0.0144
Gm04	1598099	1599091	Gmdrm	hypo	CHH	-0.031
Gm04	1600149	1600812	Gmdrm	hypo	CHH	-0.0206
Gm04	1601966	1602963	Gmdrm	hypo	CHH	-0.0755
Gm04	1608460	1608903	Gmdrm	hypo	CHH	-0.0307
Gm04	1630335	1631293	Gmdrm	hypo	CHH	-0.1207
Gm04	1650218	1650399	Gmdrm	hypo	CHH	-0.0585
Gm04	1651179	1652114	Gmdrm	hypo	CHH	-0.0207
Gm04	1656300	1657297	Gmdrm	hypo	CHH	-0.0125
Gm04	1678500	1679460	Gmdrm	hypo	CHH	-0.0857
Gm04	1679523	1680521	Gmdrm	hypo	CHH	-0.129
Gm04	1680528	1681501	Gmdrm	hypo	CHH	-0.2317
Gm04	1687270	1687624	Gmdrm	hypo	CHH	-0.0688
Gm04	1696834	1697523	Gmdrm	hypo	CHH	-0.0794
Gm04	1701717	1702712	Gmdrm	hypo	CHH	-0.0335
Gm04	1702719	1703272	Gmdrm	hypo	CHH	-0.2012
Gm04	1703588	1704587	Gmdrm	hypo	CHH	-0.0214
Gm04	1704591	1705555	Gmdrm	hypo	CHH	-0.0468
Gm04	1724632	1724831	Gmdrm	hypo	CHH	-0.0221
Gm04	1730604	1731577	Gmdrm	hypo	CHH	-0.0547
Gm04	1732662	1733638	Gmdrm	hypo	CHH	-0.0143
Gm04	1733687	1733806	Gmdrm	hypo	CHH	-0.0378
Gm04	1744495	1745492	Gmdrm	hypo	CHH	-0.1208
Gm04	1745519	1746514	Gmdrm	hypo	CHH	-0.0598
Gm04	1746548	1747535	Gmdrm	hypo	CHH	-0.0421
Gm04	1771886	1772876	Gmdrm	hypo	CHH	-0.0368
Gm04	1789771	1790765	Gmdrm	hypo	CHH	-0.0205
Gm04	1798414	1799412	Gmdrm	hypo	CHH	-0.0164
Gm04	1799425	1800424	Gmdrm	hypo	CHH	-0.017
Gm04	1804437	1805413	Gmdrm	hypo	CHH	-0.048
Gm04	1806474	1807470	Gmdrm	hypo	CHH	-0.0124
Gm04	1808486	1808876	Gmdrm	hypo	CHH	-0.1635
Gm04	1812442	1813427	Gmdrm	hypo	CHH	-0.3181
Gm04	1816175	1817170	Gmdrm	hypo	CHH	-0.0457
Gm04	1817179	1817651	Gmdrm	hypo	CHH	-0.0975
Gm04	1821350	1822348	Gmdrm	hypo	CHH	-0.022
Gm04	1827613	1828588	Gmdrm	hypo	CHH	-0.0435
Gm04	1841733	1842730	Gmdrm	hypo	CHH	-0.1391
Gm04	1844790	1845783	Gmdrm	hypo	CHH	-0.0186
Gm04	1845833	1846830	Gmdrm	hypo	CHH	-0.0532
Gm04	1846834	1847104	Gmdrm	hypo	CHH	-0.3119
Gm04	1847669	1848641	Gmdrm	hypo	CHH	-0.1134
Gm04	1848727	1849705	Gmdrm	hypo	CHH	-0.2592

Gm04	1856011	1856421 Gmdrm	hypo	CHH	-0.035
Gm04	1866988	1867986 Gmdrm	hypo	CHH	-0.0125
Gm04	1871026	1872026 Gmdrm	hypo	CHH	-0.0675
Gm04	1872034	1873015 Gmdrm	hypo	CHH	-0.1894
Gm04	1876518	1877514 Gmdrm	hypo	CHH	-0.1945
Gm04	1887634	1888524 Gmdrm	hypo	CHH	-0.0173
Gm04	1904509	1905477 Gmdrm	hypo	CHH	-0.0834
Gm04	1905528	1906519 Gmdrm	hypo	CHH	-0.0959
Gm04	1913245	1914243 Gmdrm	hypo	CHH	-0.0433
Gm04	1919052	1920050 Gmdrm	hypo	CHH	-0.0377
Gm04	1923459	1924458 Gmdrm	hypo	CHH	-0.1229
Gm04	1924466	1925460 Gmdrm	hypo	CHH	-0.1658
Gm04	1945328	1946319 Gmdrm	hypo	CHH	-0.0334
Gm04	1950444	1951057 Gmdrm	hypo	CHH	-0.0172
Gm04	1967605	1968604 Gmdrm	hypo	CHH	-0.137
Gm04	1968613	1969402 Gmdrm	hypo	CHH	-0.0789
Gm04	1973206	1974198 Gmdrm	hypo	CHH	-0.0136
Gm04	1975423	1976407 Gmdrm	hypo	CHH	-0.1318
Gm04	1980092	1981058 Gmdrm	hypo	CHH	-0.0347
Gm04	1982200	1983199 Gmdrm	hypo	CHH	-0.0422
Gm04	1983205	1984203 Gmdrm	hypo	CHH	-0.0355
Gm04	1986425	1987422 Gmdrm	hypo	CHH	-0.0153
Gm04	2011764	2012750 Gmdrm	hypo	CHH	-0.0339
Gm04	2012767	2013365 Gmdrm	hypo	CHH	-0.1068
Gm04	2024756	2025752 Gmdrm	hypo	CHH	-0.0783
Gm04	2025757	2026753 Gmdrm	hypo	CHH	-0.077
Gm04	2031926	2032245 Gmdrm	hypo	CHH	-0.0304
Gm04	2037075	2037653 Gmdrm	hypo	CHH	-0.0178
Gm04	2049019	2049763 Gmdrm	hypo	CHH	-0.0283
Gm04	2067455	2068453 Gmdrm	hypo	CHH	-0.3295
Gm04	2068471	2069457 Gmdrm	hypo	CHH	-0.0352
Gm04	2073714	2074301 Gmdrm	hypo	CHH	-0.1514
Gm04	2081945	2082894 Gmdrm	hypo	CHH	-0.0164
Gm04	2098008	2099008 Gmdrm	hypo	CHH	-0.0156
Gm04	2108059	2109050 Gmdrm	hypo	CHH	-0.0579
Gm04	2109078	2110057 Gmdrm	hypo	CHH	-0.0975
Gm04	2115718	2116700 Gmdrm	hypo	CHH	-0.0264
Gm04	2121548	2122541 Gmdrm	hypo	CHH	-0.0151
Gm04	2130928	2131922 Gmdrm	hypo	CHH	-0.0508
Gm04	2131941	2132895 Gmdrm	hypo	CHH	-0.0482
Gm04	2133295	2134280 Gmdrm	hypo	CHH	-0.0191
Gm04	2173422	2174222 Gmdrm	hypo	CHH	-0.0605
Gm04	2182444	2183419 Gmdrm	hypo	CHH	-0.0179
Gm04	2187492	2188476 Gmdrm	hypo	CHH	-0.0183
Gm04	2188497	2189488 Gmdrm	hypo	CHH	-0.0944
Gm04	2189499	2190490 Gmdrm	hypo	CHH	-0.2204

Gm04	2197829	2198801	Gmdrm	hypo	CHH	-0.0814
Gm04	2198887	2199616	Gmdrm	hypo	CHH	-0.1917
Gm04	2211453	2212432	Gmdrm	hypo	CHH	-0.0223
Gm04	2213498	2214495	Gmdrm	hypo	CHH	-0.0812
Gm04	2214502	2215491	Gmdrm	hypo	CHH	-0.0447
Gm04	2216876	2217844	Gmdrm	hypo	CHH	-0.0266
Gm04	2218515	2219514	Gmdrm	hypo	CHH	-0.0143
Gm04	2219786	2219949	Gmdrm	hypo	CHH	-0.0587
Gm04	2221180	2222104	Gmdrm	hypo	CHH	-0.0377
Gm04	2226144	2227142	Gmdrm	hypo	CHH	-0.1583
Gm04	2237894	2238852	Gmdrm	hypo	CHH	-0.0771
Gm04	2258121	2259116	Gmdrm	hypo	CHH	-0.0239
Gm04	2259123	2260118	Gmdrm	hypo	CHH	-0.0352
Gm04	2261926	2262922	Gmdrm	hypo	CHH	-0.0408
Gm04	2264824	2265428	Gmdrm	hypo	CHH	-0.0314
Gm04	2265544	2265594	Gmdrm	hypo	CHH	-0.0517
Gm04	2265709	2266702	Gmdrm	hypo	CHH	-0.0199
Gm04	2271263	2272261	Gmdrm	hypo	CHH	-0.0361
Gm04	2293001	2293991	Gmdrm	hypo	CHH	-0.0165
Gm04	2294795	2295791	Gmdrm	hypo	CHH	-0.017
Gm04	2316508	2317479	Gmdrm	hypo	CHH	-0.0102
Gm04	2317510	2318499	Gmdrm	hypo	CHH	-0.0132
Gm04	2322907	2323259	Gmdrm	hypo	CHH	-0.0178
Gm04	2325517	2326477	Gmdrm	hypo	CHH	-0.0159
Gm04	2340366	2341345	Gmdrm	hypo	CHH	-0.2284
Gm04	2341371	2341890	Gmdrm	hypo	CHH	-0.4606
Gm04	2351254	2352106	Gmdrm	hypo	CHH	-0.0229
Gm04	2354395	2355260	Gmdrm	hypo	CHH	-0.0326
Gm04	2376120	2377023	Gmdrm	hypo	CHH	-0.0558
Gm04	2391267	2392213	Gmdrm	hypo	CHH	-0.02
Gm04	2398313	2399289	Gmdrm	hypo	CHH	-0.0163
Gm04	2409076	2410074	Gmdrm	hypo	CHH	-0.0214
Gm04	2418524	2419510	Gmdrm	hypo	CHH	-0.0339
Gm04	2423963	2424962	Gmdrm	hypo	CHH	-0.0395
Gm04	2435621	2436608	Gmdrm	hypo	CHH	-0.1692
Gm04	2436630	2437595	Gmdrm	hypo	CHH	-0.0323
Gm04	2458845	2459840	Gmdrm	hypo	CHH	-0.0157
Gm04	2481354	2482350	Gmdrm	hypo	CHH	-0.217
Gm04	2482360	2483347	Gmdrm	hypo	CHH	-0.0191
Gm04	2494256	2494931	Gmdrm	hypo	CHH	-0.0642
Gm04	2496205	2497134	Gmdrm	hypo	CHH	-0.0213
Gm04	2497212	2498207	Gmdrm	hypo	CHH	-0.0159
Gm04	2502262	2503069	Gmdrm	hypo	CHH	-0.016
Gm04	2516632	2517626	Gmdrm	hypo	CHH	-0.0349
Gm04	2518573	2519329	Gmdrm	hypo	CHH	-0.0403
Gm04	2523893	2524887	Gmdrm	hypo	CHH	-0.0652

Gm04	2527161	2527365	Gmdrm	hypo	CHH	-0.0407
Gm04	2541995	2542975	Gmdrm	hypo	CHH	-0.0237
Gm04	2568556	2569550	Gmdrm	hypo	CHH	-0.0158
Gm04	2580663	2581624	Gmdrm	hypo	CHH	-0.0196
Gm04	2590873	2591844	Gmdrm	hypo	CHH	-0.0457
Gm04	2593654	2594459	Gmdrm	hypo	CHH	-0.0217
Gm04	2598315	2599315	Gmdrm	hypo	CHH	-0.0703
Gm04	2600330	2601319	Gmdrm	hypo	CHH	-0.041
Gm04	2603707	2603855	Gmdrm	hypo	CHH	-0.0683
Gm04	2605918	2606907	Gmdrm	hypo	CHH	-0.0168
Gm04	2614238	2614759	Gmdrm	hypo	CHH	-0.0265
Gm04	2616103	2617100	Gmdrm	hypo	CHH	-0.0226
Gm04	2617119	2617548	Gmdrm	hypo	CHH	-0.0194
Gm04	2619766	2619871	Gmdrm	hypo	CHH	-0.052
Gm04	2627511	2628504	Gmdrm	hypo	CHH	-0.0231
Gm04	2628514	2628787	Gmdrm	hypo	CHH	-0.0241
Gm04	2629931	2630902	Gmdrm	hypo	CHH	-0.055
Gm04	2630936	2631919	Gmdrm	hypo	CHH	-0.1055
Gm04	2638853	2639851	Gmdrm	hypo	CHH	-0.0307
Gm04	2639857	2640813	Gmdrm	hypo	CHH	-0.0639
Gm04	2640859	2641846	Gmdrm	hypo	CHH	-0.0523
Gm04	2641880	2642840	Gmdrm	hypo	CHH	-0.0846
Gm04	2644594	2645579	Gmdrm	hypo	CHH	-0.0476
Gm04	2645656	2646655	Gmdrm	hypo	CHH	-0.0129
Gm04	2654004	2654992	Gmdrm	hypo	CHH	-0.0145
Gm04	2657043	2658037	Gmdrm	hypo	CHH	-0.2253
Gm04	2667344	2668325	Gmdrm	hypo	CHH	-0.0088
Gm04	2669615	2670599	Gmdrm	hypo	CHH	-0.0179
Gm04	2675280	2676277	Gmdrm	hypo	CHH	-0.1493
Gm04	2676292	2677263	Gmdrm	hypo	CHH	-0.0414
Gm04	2688587	2689284	Gmdrm	hypo	CHH	-0.3768
Gm04	2693763	2694759	Gmdrm	hypo	CHH	-0.016
Gm04	2694767	2695764	Gmdrm	hypo	CHH	-0.1595
Gm04	2712768	2713766	Gmdrm	hypo	CHH	-0.0222
Gm04	2716810	2717806	Gmdrm	hypo	CHH	-0.0569
Gm04	2717811	2718801	Gmdrm	hypo	CHH	-0.0555
Gm04	2718828	2719777	Gmdrm	hypo	CHH	-0.0409
Gm04	2719835	2720312	Gmdrm	hypo	CHH	-0.0225
Gm04	2723479	2724477	Gmdrm	hypo	CHH	-0.0382
Gm04	2728791	2729450	Gmdrm	hypo	CHH	-0.025
Gm04	2730361	2731352	Gmdrm	hypo	CHH	-0.0482
Gm04	2731366	2732356	Gmdrm	hypo	CHH	-0.0492
Gm04	2739198	2739654	Gmdrm	hypo	CHH	-0.0388
Gm04	2751090	2752076	Gmdrm	hypo	CHH	-0.014
Gm04	2762859	2763859	Gmdrm	hypo	CHH	-0.0397
Gm04	2763865	2764830	Gmdrm	hypo	CHH	-0.0274

Gm04	2765290	2766261	Gmdrm	hypo	CHH	-0.0302
Gm04	2772093	2772948	Gmdrm	hypo	CHH	-0.1156
Gm04	2790600	2790973	Gmdrm	hypo	CHH	-0.0354
Gm04	2796835	2797828	Gmdrm	hypo	CHH	-0.0412
Gm04	2797840	2798379	Gmdrm	hypo	CHH	-0.0443
Gm04	2799884	2800884	Gmdrm	hypo	CHH	-0.0339
Gm04	2804097	2805081	Gmdrm	hypo	CHH	-0.065
Gm04	2805100	2806043	Gmdrm	hypo	CHH	-0.0227
Gm04	2808933	2809905	Gmdrm	hypo	CHH	-0.0477
Gm04	2811539	2812537	Gmdrm	hypo	CHH	-0.0115
Gm04	2816602	2817551	Gmdrm	hypo	CHH	-0.0119
Gm04	2834307	2834898	Gmdrm	hypo	CHH	-0.3673
Gm04	2847726	2848717	Gmdrm	hypo	CHH	-0.1117
Gm04	2893250	2894241	Gmdrm	hypo	CHH	-0.01
Gm04	2894272	2895242	Gmdrm	hypo	CHH	-0.019
Gm04	2907161	2908126	Gmdrm	hypo	CHH	-0.0249
Gm04	2915778	2916753	Gmdrm	hypo	CHH	-0.0125
Gm04	2916816	2917205	Gmdrm	hypo	CHH	-0.1194
Gm04	2920037	2921037	Gmdrm	hypo	CHH	-0.1062
Gm04	2921038	2922027	Gmdrm	hypo	CHH	-0.0682
Gm04	2934519	2935512	Gmdrm	hypo	CHH	-0.0179
Gm04	2942764	2943759	Gmdrm	hypo	CHH	-0.0122
Gm04	2943787	2944429	Gmdrm	hypo	CHH	-0.03
Gm04	2953642	2954642	Gmdrm	hypo	CHH	-0.0363
Gm04	2955917	2956877	Gmdrm	hypo	CHH	-0.0203
Gm04	2959016	2960013	Gmdrm	hypo	CHH	-0.0568
Gm04	2960018	2960963	Gmdrm	hypo	CHH	-0.1712
Gm04	2973196	2974189	Gmdrm	hypo	CHH	-0.0669
Gm04	2974209	2975193	Gmdrm	hypo	CHH	-0.0637
Gm04	2976363	2977358	Gmdrm	hypo	CHH	-0.0586
Gm04	2980441	2981439	Gmdrm	hypo	CHH	-0.036
Gm04	2982468	2983465	Gmdrm	hypo	CHH	-0.0335
Gm04	2983475	2984464	Gmdrm	hypo	CHH	-0.1001
Gm04	2985815	2986184	Gmdrm	hypo	CHH	-0.0488
Gm04	2988248	2989217	Gmdrm	hypo	CHH	-0.0211
Gm04	2993100	2994054	Gmdrm	hypo	CHH	-0.1862
Gm04	3028698	3029665	Gmdrm	hypo	CHH	-0.0742
Gm04	3030680	3031639	Gmdrm	hypo	CHH	-0.1135
Gm04	3046165	3046508	Gmdrm	hypo	CHH	-0.0591
Gm04	3050862	3051862	Gmdrm	hypo	CHH	-0.0608
Gm04	3051864	3052862	Gmdrm	hypo	CHH	-0.0512
Gm04	3053492	3054453	Gmdrm	hypo	CHH	-0.0158
Gm04	3055766	3056766	Gmdrm	hypo	CHH	-0.0251
Gm04	3060270	3060708	Gmdrm	hypo	CHH	-0.0207
Gm04	3060826	3061818	Gmdrm	hypo	CHH	-0.0333
Gm04	3064816	3065769	Gmdrm	hypo	CHH	-0.0332

Gm04	3068328	3069300 Gmdrm	hypo	CHH	-0.0846
Gm04	3070348	3071344 Gmdrm	hypo	CHH	-0.0445
Gm04	3071352	3072351 Gmdrm	hypo	CHH	-0.0954
Gm04	3076196	3077155 Gmdrm	hypo	CHH	-0.0506
Gm04	3086072	3086201 Gmdrm	hypo	CHH	-0.0624
Gm04	3115110	3115682 Gmdrm	hypo	CHH	-0.5214
Gm04	3115850	3116850 Gmdrm	hypo	CHH	-0.1557
Gm04	3116852	3117849 Gmdrm	hypo	CHH	-0.2341
Gm04	3128940	3129939 Gmdrm	hypo	CHH	-0.0118
Gm04	3135440	3136427 Gmdrm	hypo	CHH	-0.0611
Gm04	3144295	3144476 Gmdrm	hypo	CHH	-0.0192
Gm04	3164049	3165049 Gmdrm	hypo	CHH	-0.3639
Gm04	3165060	3166043 Gmdrm	hypo	CHH	-0.0812
Gm04	3170480	3170573 Gmdrm	hypo	CHH	-0.19
Gm04	3170694	3171688 Gmdrm	hypo	CHH	-0.1105
Gm04	3171697	3171840 Gmdrm	hypo	CHH	-0.1187
Gm04	3182694	3183688 Gmdrm	hypo	CHH	-0.165
Gm04	3183707	3184699 Gmdrm	hypo	CHH	-0.0934
Gm04	3184708	3185705 Gmdrm	hypo	CHH	-0.0245
Gm04	3185709	3186706 Gmdrm	hypo	CHH	-0.111
Gm04	3186712	3187333 Gmdrm	hypo	CHH	-0.086
Gm04	3190383	3191316 Gmdrm	hypo	CHH	-0.0158
Gm04	3213757	3214698 Gmdrm	hypo	CHH	-0.0775
Gm04	3220490	3221483 Gmdrm	hypo	CHH	-0.042
Gm04	3221775	3222586 Gmdrm	hypo	CHH	-0.0182
Gm04	3229981	3230960 Gmdrm	hypo	CHH	-0.0196
Gm04	3232009	3232375 Gmdrm	hypo	CHH	-0.2288
Gm04	3241652	3241866 Gmdrm	hypo	CHH	-0.0408
Gm04	3249137	3249915 Gmdrm	hypo	CHH	-0.0336
Gm04	3259526	3260431 Gmdrm	hypo	CHH	-0.0218
Gm04	3264761	3265755 Gmdrm	hypo	CHH	-0.0235
Gm04	3266252	3267249 Gmdrm	hypo	CHH	-0.0158
Gm04	3271573	3272555 Gmdrm	hypo	CHH	-0.0146
Gm04	3277247	3278209 Gmdrm	hypo	CHH	-0.0127
Gm04	3284601	3285584 Gmdrm	hypo	CHH	-0.0256
Gm04	3293014	3293602 Gmdrm	hypo	CHH	-0.0223
Gm04	3327211	3328190 Gmdrm	hypo	CHH	-0.1559
Gm04	3329758	3330493 Gmdrm	hypo	CHH	-0.0719
Gm04	3342744	3343730 Gmdrm	hypo	CHH	-0.0107
Gm04	3354532	3355492 Gmdrm	hypo	CHH	-0.0142
Gm04	3355766	3356374 Gmdrm	hypo	CHH	-0.4153
Gm04	3357525	3358371 Gmdrm	hypo	CHH	-0.0197
Gm04	3364534	3365532 Gmdrm	hypo	CHH	-0.0717
Gm04	3365536	3366533 Gmdrm	hypo	CHH	-0.035
Gm04	3376886	3377883 Gmdrm	hypo	CHH	-0.113
Gm04	3378511	3379492 Gmdrm	hypo	CHH	-0.1711

Gm04	3382220	3383189 Gmdrm	hypo	CHH	-0.0349
Gm04	3391011	3392002 Gmdrm	hypo	CHH	-0.0905
Gm04	3392064	3393064 Gmdrm	hypo	CHH	-0.0463
Gm04	3400857	3401857 Gmdrm	hypo	CHH	-0.0381
Gm04	3401875	3402283 Gmdrm	hypo	CHH	-0.0982
Gm04	3402399	3402620 Gmdrm	hypo	CHH	-0.188
Gm04	3402771	3403770 Gmdrm	hypo	CHH	-0.0392
Gm04	3408333	3408989 Gmdrm	hypo	CHH	-0.0531
Gm04	3409365	3409514 Gmdrm	hypo	CHH	-0.058
Gm04	3417860	3418831 Gmdrm	hypo	CHH	-0.0865
Gm04	3418877	3419877 Gmdrm	hypo	CHH	-0.039
Gm04	3421051	3422051 Gmdrm	hypo	CHH	-0.0341
Gm04	3422060	3423057 Gmdrm	hypo	CHH	-0.0636
Gm04	3426418	3426714 Gmdrm	hypo	CHH	-0.311
Gm04	3426833	3427170 Gmdrm	hypo	CHH	-0.0296
Gm04	3469906	3470095 Gmdrm	hypo	CHH	-0.0862
Gm04	3473298	3474126 Gmdrm	hypo	CHH	-0.2501
Gm04	3474231	3475224 Gmdrm	hypo	CHH	-0.0133
Gm04	3475234	3475807 Gmdrm	hypo	CHH	-0.0162
Gm04	3477599	3477952 Gmdrm	hypo	CHH	-0.0242
Gm04	3489411	3489911 Gmdrm	hypo	CHH	-0.0324
Gm04	3490018	3491013 Gmdrm	hypo	CHH	-0.0218
Gm04	3499936	3500931 Gmdrm	hypo	CHH	-0.2106
Gm04	3500939	3501939 Gmdrm	hypo	CHH	-0.1512
Gm04	3511141	3512139 Gmdrm	hypo	CHH	-0.019
Gm04	3517779	3518777 Gmdrm	hypo	CHH	-0.1718
Gm04	3518788	3519221 Gmdrm	hypo	CHH	-0.1063
Gm04	3522567	3523567 Gmdrm	hypo	CHH	-0.0241
Gm04	3548749	3549741 Gmdrm	hypo	CHH	-0.0756
Gm04	3549753	3549988 Gmdrm	hypo	CHH	-0.0257
Gm04	3559431	3559786 Gmdrm	hypo	CHH	-0.0429
Gm04	3567691	3568128 Gmdrm	hypo	CHH	-0.1724
Gm04	3568601	3568677 Gmdrm	hypo	CHH	-0.13
Gm04	3573492	3574492 Gmdrm	hypo	CHH	-0.1278
Gm04	3574502	3575494 Gmdrm	hypo	CHH	-0.137
Gm04	3575506	3576484 Gmdrm	hypo	CHH	-0.071
Gm04	3576518	3577467 Gmdrm	hypo	CHH	-0.0158
Gm04	3577538	3578485 Gmdrm	hypo	CHH	-0.0135
Gm04	3585706	3586652 Gmdrm	hypo	CHH	-0.0375
Gm04	3598721	3599089 Gmdrm	hypo	CHH	-0.0797
Gm04	3613560	3614555 Gmdrm	hypo	CHH	-0.0878
Gm04	3625392	3626371 Gmdrm	hypo	CHH	-0.0188
Gm04	3631498	3632469 Gmdrm	hypo	CHH	-0.1356
Gm04	3632499	3633493 Gmdrm	hypo	CHH	-0.1832
Gm04	3633501	3634133 Gmdrm	hypo	CHH	-0.2543
Gm04	3636806	3636984 Gmdrm	hypo	CHH	-0.0267

Gm04	3648634	3649632	Gmdrm	hypo	CHH	-0.0462
Gm04	3649635	3650591	Gmdrm	hypo	CHH	-0.0536
Gm04	3650689	3651668	Gmdrm	hypo	CHH	-0.0388
Gm04	3651857	3652802	Gmdrm	hypo	CHH	-0.0337
Gm04	3658498	3659486	Gmdrm	hypo	CHH	-0.0592
Gm04	3667829	3668821	Gmdrm	hypo	CHH	-0.0947
Gm04	3668830	3669816	Gmdrm	hypo	CHH	-0.1137
Gm04	3669835	3670252	Gmdrm	hypo	CHH	-0.0285
Gm04	3671721	3672702	Gmdrm	hypo	CHH	-0.0175
Gm04	3678354	3679323	Gmdrm	hypo	CHH	-0.0202
Gm04	3690956	3691933	Gmdrm	hypo	CHH	-0.018
Gm04	3697695	3698691	Gmdrm	hypo	CHH	-0.0263
Gm04	3698698	3699695	Gmdrm	hypo	CHH	-0.0529
Gm04	3718516	3719511	Gmdrm	hypo	CHH	-0.0176
Gm04	3719520	3719890	Gmdrm	hypo	CHH	-0.0272
Gm04	3733909	3734903	Gmdrm	hypo	CHH	-0.14
Gm04	3737855	3738830	Gmdrm	hypo	CHH	-0.0321
Gm04	3750332	3751293	Gmdrm	hypo	CHH	-0.0274
Gm04	3751334	3752331	Gmdrm	hypo	CHH	-0.0525
Gm04	3756062	3757060	Gmdrm	hypo	CHH	-0.0241
Gm04	3757066	3757482	Gmdrm	hypo	CHH	-0.0267
Gm04	3761638	3762617	Gmdrm	hypo	CHH	-0.0267
Gm04	3764653	3765648	Gmdrm	hypo	CHH	-0.0126
Gm04	3769986	3770323	Gmdrm	hypo	CHH	-0.0459
Gm04	3774470	3775070	Gmdrm	hypo	CHH	-0.0439
Gm04	3804851	3805840	Gmdrm	hypo	CHH	-0.02
Gm04	3837315	3838312	Gmdrm	hypo	CHH	-0.075
Gm04	3839064	3840046	Gmdrm	hypo	CHH	-0.0377
Gm04	3847951	3848861	Gmdrm	hypo	CHH	-0.0849
Gm04	3848982	3849977	Gmdrm	hypo	CHH	-0.0321
Gm04	3849997	3850995	Gmdrm	hypo	CHH	-0.0655
Gm04	3869653	3870324	Gmdrm	hypo	CHH	-0.0224
Gm04	3871208	3871671	Gmdrm	hypo	CHH	-0.0556
Gm04	3871783	3872768	Gmdrm	hypo	CHH	-0.0193
Gm04	3872792	3873791	Gmdrm	hypo	CHH	-0.0209
Gm04	3886117	3886630	Gmdrm	hypo	CHH	-0.0303
Gm04	3892404	3893402	Gmdrm	hypo	CHH	-0.2011
Gm04	3893414	3894355	Gmdrm	hypo	CHH	-0.0444
Gm04	3894840	3895243	Gmdrm	hypo	CHH	-0.0657
Gm04	3898332	3899332	Gmdrm	hypo	CHH	-0.2588
Gm04	3899337	3900328	Gmdrm	hypo	CHH	-0.0201
Gm04	3902387	3903351	Gmdrm	hypo	CHH	-0.0478
Gm04	3909375	3910373	Gmdrm	hypo	CHH	-0.1268
Gm04	3920321	3921320	Gmdrm	hypo	CHH	-0.1169
Gm04	3936940	3937897	Gmdrm	hypo	CHH	-0.0454
Gm04	3945704	3946674	Gmdrm	hypo	CHH	-0.0226

Gm04	3948753	3949750	Gmdrm	hypo	CHH	-0.0198
Gm04	3961217	3962201	Gmdrm	hypo	CHH	-0.0113
Gm04	3964217	3965176	Gmdrm	hypo	CHH	-0.0164
Gm04	3969350	3970264	Gmdrm	hypo	CHH	-0.2988
Gm04	3995389	3996384	Gmdrm	hypo	CHH	-0.0183
Gm04	3996433	3997394	Gmdrm	hypo	CHH	-0.0127
Gm04	4000529	4001518	Gmdrm	hypo	CHH	-0.0177
Gm04	4007257	4008223	Gmdrm	hypo	CHH	-0.0281
Gm04	4011079	4012048	Gmdrm	hypo	CHH	-0.0451
Gm04	4026213	4027198	Gmdrm	hypo	CHH	-0.0774
Gm04	4043944	4044916	Gmdrm	hypo	CHH	-0.0334
Gm04	4059320	4060315	Gmdrm	hypo	CHH	-0.2172
Gm04	4065203	4066200	Gmdrm	hypo	CHH	-0.0167
Gm04	4092642	4093584	Gmdrm	hypo	CHH	-0.1346
Gm04	4097593	4098553	Gmdrm	hypo	CHH	-0.1793
Gm04	4098963	4099252	Gmdrm	hypo	CHH	-0.079
Gm04	4101440	4102414	Gmdrm	hypo	CHH	-0.0154
Gm04	4106448	4106513	Gmdrm	hypo	CHH	-0.064
Gm04	4109647	4110647	Gmdrm	hypo	CHH	-0.0859
Gm04	4116102	4117095	Gmdrm	hypo	CHH	-0.082
Gm04	4145870	4146865	Gmdrm	hypo	CHH	-0.0099
Gm04	4153283	4153943	Gmdrm	hypo	CHH	-0.0641
Gm04	4155053	4156048	Gmdrm	hypo	CHH	-0.0997
Gm04	4163205	4164125	Gmdrm	hypo	CHH	-0.0193
Gm04	4177255	4178194	Gmdrm	hypo	CHH	-0.0215
Gm04	4178645	4179638	Gmdrm	hypo	CHH	-0.0481
Gm04	4179646	4180641	Gmdrm	hypo	CHH	-0.0203
Gm04	4183533	4184527	Gmdrm	hypo	CHH	-0.1641
Gm04	4184559	4185555	Gmdrm	hypo	CHH	-0.0189
Gm04	4185561	4185737	Gmdrm	hypo	CHH	-0.0353
Gm04	4201294	4202292	Gmdrm	hypo	CHH	-0.0806
Gm04	4213142	4214136	Gmdrm	hypo	CHH	-0.0482
Gm04	4218126	4219121	Gmdrm	hypo	CHH	-0.0916
Gm04	4220900	4221895	Gmdrm	hypo	CHH	-0.0288
Gm04	4229323	4230306	Gmdrm	hypo	CHH	-0.0794
Gm04	4232648	4233645	Gmdrm	hypo	CHH	-0.0173
Gm04	4233650	4234575	Gmdrm	hypo	CHH	-0.0867
Gm04	4241739	4242671	Gmdrm	hypo	CHH	-0.0148
Gm04	4245754	4246001	Gmdrm	hypo	CHH	-0.1033
Gm04	4246342	4246981	Gmdrm	hypo	CHH	-0.0472
Gm04	4247235	4248221	Gmdrm	hypo	CHH	-0.046
Gm04	4252586	4253554	Gmdrm	hypo	CHH	-0.0625
Gm04	4257861	4258860	Gmdrm	hypo	CHH	-0.0522
Gm04	4277474	4278431	Gmdrm	hypo	CHH	-0.0258
Gm04	4282851	4283831	Gmdrm	hypo	CHH	-0.1876
Gm04	4283855	4284804	Gmdrm	hypo	CHH	-0.1169

Gm04	4290912	4291898	Gmdrm	hypo	CHH	-0.0834
Gm04	4291916	4292350	Gmdrm	hypo	CHH	-0.0752
Gm04	4292466	4292824	Gmdrm	hypo	CHH	-0.1144
Gm04	4293004	4293916	Gmdrm	hypo	CHH	-0.0787
Gm04	4294147	4295143	Gmdrm	hypo	CHH	-0.0483
Gm04	4295157	4296055	Gmdrm	hypo	CHH	-0.0967
Gm04	4296164	4297107	Gmdrm	hypo	CHH	-0.0137
Gm04	4298173	4298736	Gmdrm	hypo	CHH	-0.0174
Gm04	4308533	4309266	Gmdrm	hypo	CHH	-0.0218
Gm04	4314378	4315359	Gmdrm	hypo	CHH	-0.0162
Gm04	4321595	4322560	Gmdrm	hypo	CHH	-0.0216
Gm04	4334639	4334921	Gmdrm	hypo	CHH	-0.0932
Gm04	4335075	4336061	Gmdrm	hypo	CHH	-0.0191
Gm04	4339706	4340701	Gmdrm	hypo	CHH	-0.0203
Gm04	4341743	4342149	Gmdrm	hypo	CHH	-0.0174
Gm04	4342258	4343256	Gmdrm	hypo	CHH	-0.0584
Gm04	4343261	4344251	Gmdrm	hypo	CHH	-0.0236
Gm04	4344477	4344788	Gmdrm	hypo	CHH	-0.0577
Gm04	4345435	4345827	Gmdrm	hypo	CHH	-0.05
Gm04	4349948	4350919	Gmdrm	hypo	CHH	-0.0263
Gm04	4356959	4357388	Gmdrm	hypo	CHH	-0.0414
Gm04	4365961	4366915	Gmdrm	hypo	CHH	-0.015
Gm04	4382599	4383592	Gmdrm	hypo	CHH	-0.0369
Gm04	4383604	4384582	Gmdrm	hypo	CHH	-0.0462
Gm04	4384631	4385614	Gmdrm	hypo	CHH	-0.1829
Gm04	4385986	4386976	Gmdrm	hypo	CHH	-0.0219
Gm04	4386991	4387989	Gmdrm	hypo	CHH	-0.1791
Gm04	4435259	4436248	Gmdrm	hypo	CHH	-0.013
Gm04	4454954	4455919	Gmdrm	hypo	CHH	-0.019
Gm04	4458201	4459200	Gmdrm	hypo	CHH	-0.0482
Gm04	4463541	4464541	Gmdrm	hypo	CHH	-0.0122
Gm04	4466707	4467707	Gmdrm	hypo	CHH	-0.1879
Gm04	4467713	4468683	Gmdrm	hypo	CHH	-0.2595
Gm04	4471309	4472307	Gmdrm	hypo	CHH	-0.1273
Gm04	4472330	4473329	Gmdrm	hypo	CHH	-0.1253
Gm04	4483506	4484502	Gmdrm	hypo	CHH	-0.0741
Gm04	4493343	4494281	Gmdrm	hypo	CHH	-0.0159
Gm04	4494896	4495506	Gmdrm	hypo	CHH	-0.0779
Gm04	4496706	4497672	Gmdrm	hypo	CHH	-0.0158
Gm04	4504648	4505645	Gmdrm	hypo	CHH	-0.028
Gm04	4510716	4511710	Gmdrm	hypo	CHH	-0.0687
Gm04	4522681	4523641	Gmdrm	hypo	CHH	-0.1036
Gm04	4525388	4526376	Gmdrm	hypo	CHH	-0.1595
Gm04	4533344	4534331	Gmdrm	hypo	CHH	-0.0861
Gm04	4534347	4535346	Gmdrm	hypo	CHH	-0.0906
Gm04	4535349	4536127	Gmdrm	hypo	CHH	-0.0411

Gm04	4537259	4538258 Gmdrm	hypo	CHH	-0.0131
Gm04	4546610	4547592 Gmdrm	hypo	CHH	-0.1284
Gm04	4568201	4568997 Gmdrm	hypo	CHH	-0.0163
Gm04	4584565	4585528 Gmdrm	hypo	CHH	-0.0694
Gm04	4588704	4589683 Gmdrm	hypo	CHH	-0.0271
Gm04	4604302	4605296 Gmdrm	hypo	CHH	-0.2311
Gm04	4605305	4606285 Gmdrm	hypo	CHH	-0.1071
Gm04	4608547	4609540 Gmdrm	hypo	CHH	-0.0187
Gm04	4610424	4611417 Gmdrm	hypo	CHH	-0.1537
Gm04	4616056	4616850 Gmdrm	hypo	CHH	-0.054
Gm04	4617253	4617945 Gmdrm	hypo	CHH	-0.0776
Gm04	4622801	4622898 Gmdrm	hypo	CHH	-0.0586
Gm04	4628058	4628140 Gmdrm	hypo	CHH	-0.0386
Gm04	4630565	4631565 Gmdrm	hypo	CHH	-0.0146
Gm04	4632454	4633445 Gmdrm	hypo	CHH	-0.1856
Gm04	4638266	4639071 Gmdrm	hypo	CHH	-0.0284
Gm04	4669070	4669408 Gmdrm	hypo	CHH	-0.0256
Gm04	4671223	4672047 Gmdrm	hypo	CHH	-0.0225
Gm04	4674697	4675696 Gmdrm	hypo	CHH	-0.0703
Gm04	4675698	4676660 Gmdrm	hypo	CHH	-0.0785
Gm04	4684470	4685465 Gmdrm	hypo	CHH	-0.0586
Gm04	4690346	4690993 Gmdrm	hypo	CHH	-0.0175
Gm04	4707126	4708119 Gmdrm	hypo	CHH	-0.0206
Gm04	4724789	4725765 Gmdrm	hypo	CHH	-0.0147
Gm04	4732190	4733164 Gmdrm	hypo	CHH	-0.0481
Gm04	4733194	4734191 Gmdrm	hypo	CHH	-0.0338
Gm04	4740136	4741123 Gmdrm	hypo	CHH	-0.0141
Gm04	4744450	4745227 Gmdrm	hypo	CHH	-0.018
Gm04	4747336	4748335 Gmdrm	hypo	CHH	-0.0677
Gm04	4748346	4748531 Gmdrm	hypo	CHH	-0.0695
Gm04	4757590	4758550 Gmdrm	hypo	CHH	-0.037
Gm04	4759197	4760173 Gmdrm	hypo	CHH	-0.0183
Gm04	4765669	4766345 Gmdrm	hypo	CHH	-0.0151
Gm04	4791069	4792040 Gmdrm	hypo	CHH	-0.0153
Gm04	4792926	4793898 Gmdrm	hypo	CHH	-0.0408
Gm04	4795329	4795554 Gmdrm	hypo	CHH	-0.0585
Gm04	4821856	4822004 Gmdrm	hypo	CHH	-0.118
Gm04	4823373	4824344 Gmdrm	hypo	CHH	-0.0586
Gm04	4824383	4825348 Gmdrm	hypo	CHH	-0.0345
Gm04	4825417	4826416 Gmdrm	hypo	CHH	-0.0209
Gm04	4835024	4835971 Gmdrm	hypo	CHH	-0.0248
Gm04	4849212	4850060 Gmdrm	hypo	CHH	-0.011
Gm04	4852685	4853670 Gmdrm	hypo	CHH	-0.0609
Gm04	4853699	4854699 Gmdrm	hypo	CHH	-0.0622
Gm04	4854700	4855692 Gmdrm	hypo	CHH	-0.0674
Gm04	4869930	4870321 Gmdrm	hypo	CHH	-0.1029

Gm04	4887223	4888217 Gmdrm	hypo	CHH	-0.0789
Gm04	4888226	4889222 Gmdrm	hypo	CHH	-0.1638
Gm04	4889230	4890204 Gmdrm	hypo	CHH	-0.0294
Gm04	4890231	4890356 Gmdrm	hypo	CHH	-0.046
Gm04	4894603	4895306 Gmdrm	hypo	CHH	-0.021
Gm04	4895911	4896900 Gmdrm	hypo	CHH	-0.0166
Gm04	4896915	4897915 Gmdrm	hypo	CHH	-0.1008
Gm04	4901933	4902925 Gmdrm	hypo	CHH	-0.0734
Gm04	4902935	4903932 Gmdrm	hypo	CHH	-0.1155
Gm04	4919023	4920022 Gmdrm	hypo	CHH	-0.0245
Gm04	4920036	4921030 Gmdrm	hypo	CHH	-0.0402
Gm04	4923819	4924816 Gmdrm	hypo	CHH	-0.0924
Gm04	4934135	4935129 Gmdrm	hypo	CHH	-0.028
Gm04	4946252	4947249 Gmdrm	hypo	CHH	-0.1376
Gm04	4947255	4948232 Gmdrm	hypo	CHH	-0.0933
Gm04	4953370	4954359 Gmdrm	hypo	CHH	-0.0203
Gm04	4957285	4958056 Gmdrm	hypo	CHH	-0.0237
Gm04	4962617	4963608 Gmdrm	hypo	CHH	-0.1664
Gm04	4971531	4972522 Gmdrm	hypo	CHH	-0.0366
Gm04	4986847	4987847 Gmdrm	hypo	CHH	-0.109
Gm04	4987851	4988832 Gmdrm	hypo	CHH	-0.0743
Gm04	4999497	5000497 Gmdrm	hypo	CHH	-0.069
Gm04	5000511	5001502 Gmdrm	hypo	CHH	-0.0546
Gm04	5003654	5003926 Gmdrm	hypo	CHH	-0.0654
Gm04	5004918	5005917 Gmdrm	hypo	CHH	-0.1386
Gm04	5005931	5006109 Gmdrm	hypo	CHH	-0.0462
Gm04	5007420	5007779 Gmdrm	hypo	CHH	-0.0918
Gm04	5007936	5008143 Gmdrm	hypo	CHH	-0.082
Gm04	5014517	5015499 Gmdrm	hypo	CHH	-0.0698
Gm04	5015534	5016515 Gmdrm	hypo	CHH	-0.0476
Gm04	5041790	5042780 Gmdrm	hypo	CHH	-0.0213
Gm04	5044810	5045765 Gmdrm	hypo	CHH	-0.0807
Gm04	5049819	5049932 Gmdrm	hypo	CHH	-0.0367
Gm04	5051781	5052781 Gmdrm	hypo	CHH	-0.0561
Gm04	5052784	5053774 Gmdrm	hypo	CHH	-0.0479
Gm04	5063334	5064324 Gmdrm	hypo	CHH	-0.2695
Gm04	5064341	5065335 Gmdrm	hypo	CHH	-0.0509
Gm04	5065342	5066331 Gmdrm	hypo	CHH	-0.045
Gm04	5066348	5067316 Gmdrm	hypo	CHH	-0.0367
Gm04	5080047	5081043 Gmdrm	hypo	CHH	-0.0146
Gm04	5084784	5085779 Gmdrm	hypo	CHH	-0.0179
Gm04	5092635	5093630 Gmdrm	hypo	CHH	-0.0281
Gm04	5093660	5094598 Gmdrm	hypo	CHH	-0.0194
Gm04	5095766	5096760 Gmdrm	hypo	CHH	-0.2632
Gm04	5111683	5112672 Gmdrm	hypo	CHH	-0.0113
Gm04	5112696	5113691 Gmdrm	hypo	CHH	-0.078

Gm04	5113739	5114729	Gmdrm	hypo	CHH	-0.0804
Gm04	5114754	5115754	Gmdrm	hypo	CHH	-0.0548
Gm04	5115757	5116752	Gmdrm	hypo	CHH	-0.1138
Gm04	5116763	5117758	Gmdrm	hypo	CHH	-0.064
Gm04	5117772	5118767	Gmdrm	hypo	CHH	-0.0762
Gm04	5123870	5124870	Gmdrm	hypo	CHH	-0.1356
Gm04	5129679	5129949	Gmdrm	hypo	CHH	-0.0474
Gm04	5139963	5140956	Gmdrm	hypo	CHH	-0.0198
Gm04	5144262	5145261	Gmdrm	hypo	CHH	-0.0234
Gm04	5159111	5160106	Gmdrm	hypo	CHH	-0.0218
Gm04	5162185	5163173	Gmdrm	hypo	CHH	-0.0186
Gm04	5169102	5170101	Gmdrm	hypo	CHH	-0.1724
Gm04	5170104	5171093	Gmdrm	hypo	CHH	-0.0935
Gm04	5175545	5175681	Gmdrm	hypo	CHH	-0.06
Gm04	5183526	5184015	Gmdrm	hypo	CHH	-0.0183
Gm04	5184118	5185096	Gmdrm	hypo	CHH	-0.0308
Gm04	5185147	5186140	Gmdrm	hypo	CHH	-0.0814
Gm04	5186896	5187873	Gmdrm	hypo	CHH	-0.0328
Gm04	5199086	5199462	Gmdrm	hypo	CHH	-0.035
Gm04	5200589	5201589	Gmdrm	hypo	CHH	-0.0144
Gm04	5201601	5202576	Gmdrm	hypo	CHH	-0.022
Gm04	5215674	5216663	Gmdrm	hypo	CHH	-0.1553
Gm04	5216676	5217676	Gmdrm	hypo	CHH	-0.2574
Gm04	5228792	5228825	Gmdrm	hypo	CHH	-0.05
Gm04	5244489	5244751	Gmdrm	hypo	CHH	-0.0668
Gm04	5252314	5253312	Gmdrm	hypo	CHH	-0.0311
Gm04	5270827	5271795	Gmdrm	hypo	CHH	-0.0234
Gm04	5283787	5284774	Gmdrm	hypo	CHH	-0.0157
Gm04	5288346	5289317	Gmdrm	hypo	CHH	-0.0102
Gm04	5317189	5318183	Gmdrm	hypo	CHH	-0.1354
Gm04	5318190	5319124	Gmdrm	hypo	CHH	-0.1665
Gm04	5322669	5323389	Gmdrm	hypo	CHH	-0.0305
Gm04	5323730	5324728	Gmdrm	hypo	CHH	-0.0093
Gm04	5326786	5327777	Gmdrm	hypo	CHH	-0.0463
Gm04	5327787	5328582	Gmdrm	hypo	CHH	-0.1155
Gm04	5334014	5334960	Gmdrm	hypo	CHH	-0.0171
Gm04	5369738	5370244	Gmdrm	hypo	CHH	-0.0342
Gm04	5374150	5375143	Gmdrm	hypo	CHH	-0.0432
Gm04	5375156	5375795	Gmdrm	hypo	CHH	-0.2996
Gm04	5384768	5385767	Gmdrm	hypo	CHH	-0.0257
Gm04	5385769	5386448	Gmdrm	hypo	CHH	-0.0159
Gm04	5386751	5387750	Gmdrm	hypo	CHH	-0.1671
Gm04	5387763	5388208	Gmdrm	hypo	CHH	-0.1069
Gm04	5388418	5389416	Gmdrm	hypo	CHH	-0.1925
Gm04	5389442	5390416	Gmdrm	hypo	CHH	-0.0153
Gm04	5396666	5397653	Gmdrm	hypo	CHH	-0.0809

Gm04	5397676	5398339	Gmdrm	hypo	CHH	-0.2666
Gm04	5401537	5402053	Gmdrm	hypo	CHH	-0.0124
Gm04	5406287	5407011	Gmdrm	hypo	CHH	-0.0182
Gm04	5408253	5409251	Gmdrm	hypo	CHH	-0.0321
Gm04	5414628	5415625	Gmdrm	hypo	CHH	-0.0147
Gm04	5418961	5419958	Gmdrm	hypo	CHH	-0.0999
Gm04	5419967	5420967	Gmdrm	hypo	CHH	-0.051
Gm04	5420971	5421723	Gmdrm	hypo	CHH	-0.1445
Gm04	5426061	5427039	Gmdrm	hypo	CHH	-0.0167
Gm04	5427817	5428778	Gmdrm	hypo	CHH	-0.0211
Gm04	5441559	5442556	Gmdrm	hypo	CHH	-0.1487
Gm04	5442562	5443556	Gmdrm	hypo	CHH	-0.1133
Gm04	5447683	5448052	Gmdrm	hypo	CHH	-0.1363
Gm04	5449819	5450812	Gmdrm	hypo	CHH	-0.0123
Gm04	5450833	5451830	Gmdrm	hypo	CHH	-0.0174
Gm04	5451840	5452829	Gmdrm	hypo	CHH	-0.0306
Gm04	5458248	5459231	Gmdrm	hypo	CHH	-0.0202
Gm04	5469867	5470858	Gmdrm	hypo	CHH	-0.0147
Gm04	5475857	5476855	Gmdrm	hypo	CHH	-0.061
Gm04	5477883	5478849	Gmdrm	hypo	CHH	-0.0251
Gm04	5478898	5479867	Gmdrm	hypo	CHH	-0.013
Gm04	5479931	5480874	Gmdrm	hypo	CHH	-0.0139
Gm04	5481041	5482039	Gmdrm	hypo	CHH	-0.0168
Gm04	5486575	5487559	Gmdrm	hypo	CHH	-0.085
Gm04	5489597	5490589	Gmdrm	hypo	CHH	-0.0379
Gm04	5495171	5496098	Gmdrm	hypo	CHH	-0.1524
Gm04	5497222	5497996	Gmdrm	hypo	CHH	-0.0206
Gm04	5517975	5518955	Gmdrm	hypo	CHH	-0.0168
Gm04	5522796	5523790	Gmdrm	hypo	CHH	-0.0224
Gm04	5531345	5532344	Gmdrm	hypo	CHH	-0.3413
Gm04	5535457	5536451	Gmdrm	hypo	CHH	-0.0964
Gm04	5539818	5540817	Gmdrm	hypo	CHH	-0.1264
Gm04	5540822	5541822	Gmdrm	hypo	CHH	-0.0525
Gm04	5544848	5545816	Gmdrm	hypo	CHH	-0.1042
Gm04	5546912	5547898	Gmdrm	hypo	CHH	-0.0149
Gm04	5548842	5549822	Gmdrm	hypo	CHH	-0.0257
Gm04	5554697	5555689	Gmdrm	hypo	CHH	-0.0163
Gm04	5558775	5559201	Gmdrm	hypo	CHH	-0.2975
Gm04	5559314	5560302	Gmdrm	hypo	CHH	-0.111
Gm04	5560326	5561325	Gmdrm	hypo	CHH	-0.1897
Gm04	5580785	5581783	Gmdrm	hypo	CHH	-0.1763
Gm04	5586906	5587904	Gmdrm	hypo	CHH	-0.1791
Gm04	5587913	5588767	Gmdrm	hypo	CHH	-0.1947
Gm04	5595972	5596967	Gmdrm	hypo	CHH	-0.0144
Gm04	5602909	5603907	Gmdrm	hypo	CHH	-0.2341
Gm04	5605931	5606930	Gmdrm	hypo	CHH	-0.1249

Gm04	5606932	5607931	Gmdrm	hypo	CHH	-0.0619
Gm04	5607984	5608667	Gmdrm	hypo	CHH	-0.0309
Gm04	5620630	5621613	Gmdrm	hypo	CHH	-0.1207
Gm04	5621635	5622633	Gmdrm	hypo	CHH	-0.0703
Gm04	5623643	5624642	Gmdrm	hypo	CHH	-0.0585
Gm04	5626199	5626920	Gmdrm	hypo	CHH	-0.03
Gm04	5631044	5632030	Gmdrm	hypo	CHH	-0.0888
Gm04	5636609	5637607	Gmdrm	hypo	CHH	-0.0464
Gm04	5637616	5638413	Gmdrm	hypo	CHH	-0.0403
Gm04	5648474	5649460	Gmdrm	hypo	CHH	-0.2752
Gm04	5652279	5653273	Gmdrm	hypo	CHH	-0.0691
Gm04	5653294	5654285	Gmdrm	hypo	CHH	-0.0769
Gm04	5657640	5658618	Gmdrm	hypo	CHH	-0.0578
Gm04	5665843	5666841	Gmdrm	hypo	CHH	-0.0878
Gm04	5682038	5683025	Gmdrm	hypo	CHH	-0.0262
Gm04	5683108	5683903	Gmdrm	hypo	CHH	-0.0196
Gm04	5695793	5696401	Gmdrm	hypo	CHH	-0.0461
Gm04	5722068	5723061	Gmdrm	hypo	CHH	-0.1159
Gm04	5723079	5723891	Gmdrm	hypo	CHH	-0.08
Gm04	5724109	5725086	Gmdrm	hypo	CHH	-0.0355
Gm04	5725406	5726401	Gmdrm	hypo	CHH	-0.1891
Gm04	5730224	5731215	Gmdrm	hypo	CHH	-0.0773
Gm04	5731228	5732221	Gmdrm	hypo	CHH	-0.052
Gm04	5733297	5734297	Gmdrm	hypo	CHH	-0.0812
Gm04	5734299	5735298	Gmdrm	hypo	CHH	-0.041
Gm04	5735308	5736289	Gmdrm	hypo	CHH	-0.1579
Gm04	5749648	5749816	Gmdrm	hypo	CHH	-0.028
Gm04	5752506	5753503	Gmdrm	hypo	CHH	-0.0947
Gm04	5756744	5757617	Gmdrm	hypo	CHH	-0.074
Gm04	5759123	5760116	Gmdrm	hypo	CHH	-0.0187
Gm04	5760129	5761109	Gmdrm	hypo	CHH	-0.0541
Gm04	5761354	5762351	Gmdrm	hypo	CHH	-0.0966
Gm04	5791917	5792913	Gmdrm	hypo	CHH	-0.0304
Gm04	5792938	5793882	Gmdrm	hypo	CHH	-0.022
Gm04	5795387	5796362	Gmdrm	hypo	CHH	-0.0154
Gm04	5806394	5807386	Gmdrm	hypo	CHH	-0.0844
Gm04	5814616	5815591	Gmdrm	hypo	CHH	-0.0167
Gm04	5816024	5817003	Gmdrm	hypo	CHH	-0.0161
Gm04	5822949	5823945	Gmdrm	hypo	CHH	-0.0812
Gm04	5825465	5826447	Gmdrm	hypo	CHH	-0.0524
Gm04	5829000	5829987	Gmdrm	hypo	CHH	-0.0094
Gm04	5830013	5831012	Gmdrm	hypo	CHH	-0.1332
Gm04	5831024	5832019	Gmdrm	hypo	CHH	-0.259
Gm04	5839699	5840339	Gmdrm	hypo	CHH	-0.0171
Gm04	5848900	5849895	Gmdrm	hypo	CHH	-0.1601
Gm04	5849901	5850895	Gmdrm	hypo	CHH	-0.1072

Gm04	5850932	5851922	Gmdrm	hypo	CHH	-0.1309
Gm04	5869562	5870559	Gmdrm	hypo	CHH	-0.0273
Gm04	5873984	5874111	Gmdrm	hypo	CHH	-0.0428
Gm04	5874650	5875648	Gmdrm	hypo	CHH	-0.1255
Gm04	5879117	5879628	Gmdrm	hypo	CHH	-0.0253
Gm04	5881750	5882742	Gmdrm	hypo	CHH	-0.2366
Gm04	5882775	5883759	Gmdrm	hypo	CHH	-0.014
Gm04	5890091	5891087	Gmdrm	hypo	CHH	-0.0438
Gm04	5895190	5895507	Gmdrm	hypo	CHH	-0.0304
Gm04	5896613	5897609	Gmdrm	hypo	CHH	-0.0484
Gm04	5925536	5926102	Gmdrm	hypo	CHH	-0.0329
Gm04	5948743	5949717	Gmdrm	hypo	CHH	-0.0666
Gm04	5972433	5972713	Gmdrm	hypo	CHH	-0.0505
Gm04	5972816	5973816	Gmdrm	hypo	CHH	-0.0606
Gm04	5988656	5989046	Gmdrm	hypo	CHH	-0.2963
Gm04	5993419	5994160	Gmdrm	hypo	CHH	-0.1214
Gm04	6002285	6003283	Gmdrm	hypo	CHH	-0.1725
Gm04	6003289	6004236	Gmdrm	hypo	CHH	-0.1244
Gm04	6034759	6035759	Gmdrm	hypo	CHH	-0.0235
Gm04	6041284	6042273	Gmdrm	hypo	CHH	-0.0215
Gm04	6042290	6043289	Gmdrm	hypo	CHH	-0.0135
Gm04	6044793	6044916	Gmdrm	hypo	CHH	-0.0278
Gm04	6047176	6048164	Gmdrm	hypo	CHH	-0.049
Gm04	6053069	6053266	Gmdrm	hypo	CHH	-0.0855
Gm04	6056517	6056942	Gmdrm	hypo	CHH	-0.0375
Gm04	6058371	6058983	Gmdrm	hypo	CHH	-0.02
Gm04	6062200	6063196	Gmdrm	hypo	CHH	-0.0744
Gm04	6072777	6073777	Gmdrm	hypo	CHH	-0.2715
Gm04	6073778	6074758	Gmdrm	hypo	CHH	-0.1276
Gm04	6076713	6077686	Gmdrm	hypo	CHH	-0.0153
Gm04	6077734	6078717	Gmdrm	hypo	CHH	-0.0286
Gm04	6081878	6082872	Gmdrm	hypo	CHH	-0.02
Gm04	6082884	6083878	Gmdrm	hypo	CHH	-0.0188
Gm04	6088345	6089344	Gmdrm	hypo	CHH	-0.0137
Gm04	6097719	6098719	Gmdrm	hypo	CHH	-0.0558
Gm04	6113081	6114065	Gmdrm	hypo	CHH	-0.0172
Gm04	6115156	6116128	Gmdrm	hypo	CHH	-0.0119
Gm04	6117189	6118115	Gmdrm	hypo	CHH	-0.0912
Gm04	6118190	6118799	Gmdrm	hypo	CHH	-0.0409
Gm04	6119425	6120403	Gmdrm	hypo	CHH	-0.0411
Gm04	6129403	6130403	Gmdrm	hypo	CHH	-0.1923
Gm04	6130410	6131371	Gmdrm	hypo	CHH	-0.0934
Gm04	6131428	6132427	Gmdrm	hypo	CHH	-0.1175
Gm04	6132430	6133413	Gmdrm	hypo	CHH	-0.1459
Gm04	6137715	6138175	Gmdrm	hypo	CHH	-0.0232
Gm04	6149539	6150536	Gmdrm	hypo	CHH	-0.076

Gm04	6150542	6151532 Gmdrm	hypo	CHH	-0.0329
Gm04	6155339	6156336 Gmdrm	hypo	CHH	-0.0218
Gm04	6163582	6164538 Gmdrm	hypo	CHH	-0.0218
Gm04	6172811	6173787 Gmdrm	hypo	CHH	-0.0205
Gm04	6185550	6186534 Gmdrm	hypo	CHH	-0.0247
Gm04	6188610	6189588 Gmdrm	hypo	CHH	-0.0346
Gm04	6190363	6191362 Gmdrm	hypo	CHH	-0.2104
Gm04	6191372	6192366 Gmdrm	hypo	CHH	-0.1183
Gm04	6192814	6193758 Gmdrm	hypo	CHH	-0.1103
Gm04	6199355	6200353 Gmdrm	hypo	CHH	-0.0148
Gm04	6203604	6204587 Gmdrm	hypo	CHH	-0.0175
Gm04	6204621	6205602 Gmdrm	hypo	CHH	-0.0554
Gm04	6207642	6208610 Gmdrm	hypo	CHH	-0.0377
Gm04	6212540	6213220 Gmdrm	hypo	CHH	-0.0502
Gm04	6215079	6216066 Gmdrm	hypo	CHH	-0.018
Gm04	6218114	6218279 Gmdrm	hypo	CHH	-0.132
Gm04	6220231	6221224 Gmdrm	hypo	CHH	-0.0233
Gm04	6226687	6227687 Gmdrm	hypo	CHH	-0.0377
Gm04	6227689	6228689 Gmdrm	hypo	CHH	-0.0464
Gm04	6230330	6231329 Gmdrm	hypo	CHH	-0.0188
Gm04	6231340	6232175 Gmdrm	hypo	CHH	-0.1742
Gm04	6232301	6233247 Gmdrm	hypo	CHH	-0.1143
Gm04	6235831	6236831 Gmdrm	hypo	CHH	-0.0379
Gm04	6240129	6241104 Gmdrm	hypo	CHH	-0.0366
Gm04	6243296	6244288 Gmdrm	hypo	CHH	-0.0171
Gm04	6244299	6245296 Gmdrm	hypo	CHH	-0.142
Gm04	6245369	6245846 Gmdrm	hypo	CHH	-0.0226
Gm04	6253335	6254315 Gmdrm	hypo	CHH	-0.0178
Gm04	6269754	6270752 Gmdrm	hypo	CHH	-0.0172
Gm04	6284890	6285875 Gmdrm	hypo	CHH	-0.0165
Gm04	6303230	6304219 Gmdrm	hypo	CHH	-0.0116
Gm04	6309338	6310122 Gmdrm	hypo	CHH	-0.1784
Gm04	6320496	6321495 Gmdrm	hypo	CHH	-0.105
Gm04	6326277	6327264 Gmdrm	hypo	CHH	-0.0491
Gm04	6341375	6342374 Gmdrm	hypo	CHH	-0.0603
Gm04	6351853	6352848 Gmdrm	hypo	CHH	-0.0347
Gm04	6352854	6353846 Gmdrm	hypo	CHH	-0.0224
Gm04	6361835	6362791 Gmdrm	hypo	CHH	-0.0443
Gm04	6367310	6367974 Gmdrm	hypo	CHH	-0.0627
Gm04	6370078	6371076 Gmdrm	hypo	CHH	-0.1389
Gm04	6381343	6382331 Gmdrm	hypo	CHH	-0.0753
Gm04	6391846	6392820 Gmdrm	hypo	CHH	-0.1523
Gm04	6392850	6393839 Gmdrm	hypo	CHH	-0.0294
Gm04	6393855	6394846 Gmdrm	hypo	CHH	-0.0282
Gm04	6404134	6404998 Gmdrm	hypo	CHH	-0.0622
Gm04	6429987	6430976 Gmdrm	hypo	CHH	-0.1118

Gm04	6436051	6437042	Gmdrm	hypo	CHH	-0.0484
Gm04	6437055	6438052	Gmdrm	hypo	CHH	-0.0795
Gm04	6439079	6439377	Gmdrm	hypo	CHH	-0.1027
Gm04	6442498	6443495	Gmdrm	hypo	CHH	-0.0586
Gm04	6448166	6449146	Gmdrm	hypo	CHH	-0.1238
Gm04	6463741	6464739	Gmdrm	hypo	CHH	-0.0384
Gm04	6464743	6465445	Gmdrm	hypo	CHH	-0.0477
Gm04	6472840	6473837	Gmdrm	hypo	CHH	-0.0441
Gm04	6473843	6474840	Gmdrm	hypo	CHH	-0.0794
Gm04	6477872	6478560	Gmdrm	hypo	CHH	-0.0258
Gm04	6483061	6484042	Gmdrm	hypo	CHH	-0.0557
Gm04	6491862	6492857	Gmdrm	hypo	CHH	-0.0137
Gm04	6503035	6504017	Gmdrm	hypo	CHH	-0.0511
Gm04	6504040	6505037	Gmdrm	hypo	CHH	-0.0308
Gm04	6508520	6509037	Gmdrm	hypo	CHH	-0.3315
Gm04	6512664	6513652	Gmdrm	hypo	CHH	-0.0193
Gm04	6526635	6527634	Gmdrm	hypo	CHH	-0.0259
Gm04	6527639	6528637	Gmdrm	hypo	CHH	-0.0166
Gm04	6531348	6532343	Gmdrm	hypo	CHH	-0.2688
Gm04	6541553	6542544	Gmdrm	hypo	CHH	-0.0534
Gm04	6549161	6550161	Gmdrm	hypo	CHH	-0.0124
Gm04	6565120	6566120	Gmdrm	hypo	CHH	-0.0659
Gm04	6574856	6575856	Gmdrm	hypo	CHH	-0.0343
Gm04	6583459	6584365	Gmdrm	hypo	CHH	-0.0565
Gm04	6593521	6594517	Gmdrm	hypo	CHH	-0.0223
Gm04	6594532	6594839	Gmdrm	hypo	CHH	-0.0403
Gm04	6598329	6598532	Gmdrm	hypo	CHH	-0.0355
Gm04	6602790	6603785	Gmdrm	hypo	CHH	-0.1995
Gm04	6611557	6612535	Gmdrm	hypo	CHH	-0.0315
Gm04	6617288	6618258	Gmdrm	hypo	CHH	-0.0549
Gm04	6620439	6621436	Gmdrm	hypo	CHH	-0.0318
Gm04	6621447	6622432	Gmdrm	hypo	CHH	-0.0694
Gm04	6633409	6634405	Gmdrm	hypo	CHH	-0.1262
Gm04	6634415	6635410	Gmdrm	hypo	CHH	-0.1643
Gm04	6647042	6648033	Gmdrm	hypo	CHH	-0.0544
Gm04	6656652	6657650	Gmdrm	hypo	CHH	-0.0362
Gm04	6657653	6658633	Gmdrm	hypo	CHH	-0.0647
Gm04	6669120	6670096	Gmdrm	hypo	CHH	-0.0236
Gm04	6684482	6684707	Gmdrm	hypo	CHH	-0.0333
Gm04	6684851	6685851	Gmdrm	hypo	CHH	-0.0131
Gm04	6688556	6689554	Gmdrm	hypo	CHH	-0.052
Gm04	6704807	6705792	Gmdrm	hypo	CHH	-0.0377
Gm04	6709631	6710294	Gmdrm	hypo	CHH	-0.0294
Gm04	6721368	6722341	Gmdrm	hypo	CHH	-0.0452
Gm04	6729640	6730626	Gmdrm	hypo	CHH	-0.02
Gm04	6736339	6737113	Gmdrm	hypo	CHH	-0.0127

Gm04	6741372	6742299	Gmdrm	hypo	CHH	-0.014
Gm04	6761832	6762821	Gmdrm	hypo	CHH	-0.2448
Gm04	6762834	6763828	Gmdrm	hypo	CHH	-0.0684
Gm04	6763839	6764826	Gmdrm	hypo	CHH	-0.0458
Gm04	6775058	6776055	Gmdrm	hypo	CHH	-0.0108
Gm04	6777072	6778070	Gmdrm	hypo	CHH	-0.0369
Gm04	6778076	6779067	Gmdrm	hypo	CHH	-0.0409
Gm04	6788905	6789897	Gmdrm	hypo	CHH	-0.0522
Gm04	6789909	6790391	Gmdrm	hypo	CHH	-0.0255
Gm04	6801129	6802128	Gmdrm	hypo	CHH	-0.1671
Gm04	6802130	6802700	Gmdrm	hypo	CHH	-0.1899
Gm04	6809061	6809774	Gmdrm	hypo	CHH	-0.1419
Gm04	6822300	6823298	Gmdrm	hypo	CHH	-0.115
Gm04	6823301	6824289	Gmdrm	hypo	CHH	-0.0614
Gm04	6826997	6827983	Gmdrm	hypo	CHH	-0.1093
Gm04	6829722	6830689	Gmdrm	hypo	CHH	-0.0347
Gm04	6837272	6838271	Gmdrm	hypo	CHH	-0.0209
Gm04	6838273	6839267	Gmdrm	hypo	CHH	-0.0716
Gm04	6840294	6841284	Gmdrm	hypo	CHH	-0.0743
Gm04	6841300	6842296	Gmdrm	hypo	CHH	-0.2213
Gm04	6842330	6843329	Gmdrm	hypo	CHH	-0.0376
Gm04	6843342	6844341	Gmdrm	hypo	CHH	-0.0519
Gm04	6844344	6845340	Gmdrm	hypo	CHH	-0.0599
Gm04	6845351	6846350	Gmdrm	hypo	CHH	-0.1457
Gm04	6847958	6848953	Gmdrm	hypo	CHH	-0.0189
Gm04	6852619	6853541	Gmdrm	hypo	CHH	-0.0189
Gm04	6853621	6854617	Gmdrm	hypo	CHH	-0.0501
Gm04	6854626	6855622	Gmdrm	hypo	CHH	-0.06
Gm04	6855631	6856631	Gmdrm	hypo	CHH	-0.0324
Gm04	6862465	6863408	Gmdrm	hypo	CHH	-0.0717
Gm04	6868878	6869843	Gmdrm	hypo	CHH	-0.0387
Gm04	6882632	6882951	Gmdrm	hypo	CHH	-0.0246
Gm04	6900897	6901897	Gmdrm	hypo	CHH	-0.0229
Gm04	6903725	6904701	Gmdrm	hypo	CHH	-0.1467
Gm04	6914269	6915261	Gmdrm	hypo	CHH	-0.0194
Gm04	6915273	6916272	Gmdrm	hypo	CHH	-0.0112
Gm04	6917281	6918245	Gmdrm	hypo	CHH	-0.0787
Gm04	6920357	6921357	Gmdrm	hypo	CHH	-0.042
Gm04	6923367	6924366	Gmdrm	hypo	CHH	-0.0505
Gm04	6960692	6961683	Gmdrm	hypo	CHH	-0.0361
Gm04	6962705	6963692	Gmdrm	hypo	CHH	-0.0258
Gm04	6970781	6971779	Gmdrm	hypo	CHH	-0.069
Gm04	6971887	6972842	Gmdrm	hypo	CHH	-0.014
Gm04	6980948	6981913	Gmdrm	hypo	CHH	-0.0285
Gm04	6983014	6983990	Gmdrm	hypo	CHH	-0.018
Gm04	6985749	6986702	Gmdrm	hypo	CHH	-0.044

Gm04	6992980	6993979	Gmdrm	hypo	CHH	-0.0486
Gm04	6993984	6994944	Gmdrm	hypo	CHH	-0.1307
Gm04	7013485	7014483	Gmdrm	hypo	CHH	-0.183
Gm04	7024467	7025464	Gmdrm	hypo	CHH	-0.0161
Gm04	7025471	7026389	Gmdrm	hypo	CHH	-0.0363
Gm04	7031603	7032561	Gmdrm	hypo	CHH	-0.0447
Gm04	7034781	7035781	Gmdrm	hypo	CHH	-0.1422
Gm04	7035792	7036788	Gmdrm	hypo	CHH	-0.0763
Gm04	7036805	7037805	Gmdrm	hypo	CHH	-0.1217
Gm04	7041185	7042069	Gmdrm	hypo	CHH	-0.0251
Gm04	7056937	7057922	Gmdrm	hypo	CHH	-0.0121
Gm04	7065697	7066627	Gmdrm	hypo	CHH	-0.015
Gm04	7079289	7080286	Gmdrm	hypo	CHH	-0.0189
Gm04	7089431	7090428	Gmdrm	hypo	CHH	-0.1794
Gm04	7096705	7097109	Gmdrm	hypo	CHH	-0.057
Gm04	7109164	7110147	Gmdrm	hypo	CHH	-0.0667
Gm04	7124468	7125424	Gmdrm	hypo	CHH	-0.0266
Gm04	7137645	7138139	Gmdrm	hypo	CHH	-0.028
Gm04	7138821	7139819	Gmdrm	hypo	CHH	-0.0216
Gm04	7144980	7145976	Gmdrm	hypo	CHH	-0.1323
Gm04	7146008	7146242	Gmdrm	hypo	CHH	-0.0469
Gm04	7146392	7146724	Gmdrm	hypo	CHH	-0.0666
Gm04	7148851	7149820	Gmdrm	hypo	CHH	-0.0646
Gm04	7149859	7149994	Gmdrm	hypo	CHH	-0.0406
Gm04	7169395	7169947	Gmdrm	hypo	CHH	-0.0283
Gm04	7174536	7174774	Gmdrm	hypo	CHH	-0.0438
Gm04	7174887	7175881	Gmdrm	hypo	CHH	-0.1292
Gm04	7175893	7176882	Gmdrm	hypo	CHH	-0.0751
Gm04	7179989	7180968	Gmdrm	hypo	CHH	-0.0508
Gm04	7187238	7187511	Gmdrm	hypo	CHH	-0.0329
Gm04	7188655	7189308	Gmdrm	hypo	CHH	-0.0232
Gm04	7189614	7190532	Gmdrm	hypo	CHH	-0.0774
Gm04	7194143	7195133	Gmdrm	hypo	CHH	-0.0586
Gm04	7195911	7196880	Gmdrm	hypo	CHH	-0.2116
Gm04	7196942	7197933	Gmdrm	hypo	CHH	-0.0117
Gm04	7201462	7202461	Gmdrm	hypo	CHH	-0.0184
Gm04	7211725	7212721	Gmdrm	hypo	CHH	-0.061
Gm04	7212730	7213581	Gmdrm	hypo	CHH	-0.0285
Gm04	7223381	7224374	Gmdrm	hypo	CHH	-0.0829
Gm04	7224382	7224645	Gmdrm	hypo	CHH	-0.0362
Gm04	7225441	7226439	Gmdrm	hypo	CHH	-0.1292
Gm04	7233568	7234567	Gmdrm	hypo	CHH	-0.0547
Gm04	7248447	7249443	Gmdrm	hypo	CHH	-0.0859
Gm04	7249448	7250420	Gmdrm	hypo	CHH	-0.1075
Gm04	7255123	7255316	Gmdrm	hypo	CHH	-0.0319
Gm04	7258314	7259309	Gmdrm	hypo	CHH	-0.1814

Gm04	7264359	7265352 Gmdrm	hypo	CHH	-0.0629
Gm04	7265367	7266332 Gmdrm	hypo	CHH	-0.0673
Gm04	7270263	7271025 Gmdrm	hypo	CHH	-0.0156
Gm04	7274547	7275546 Gmdrm	hypo	CHH	-0.0356
Gm04	7275548	7276510 Gmdrm	hypo	CHH	-0.0951
Gm04	7283976	7284970 Gmdrm	hypo	CHH	-0.0181
Gm04	7288032	7289030 Gmdrm	hypo	CHH	-0.0307
Gm04	7289033	7290014 Gmdrm	hypo	CHH	-0.0895
Gm04	7290040	7290992 Gmdrm	hypo	CHH	-0.0266
Gm04	7295128	7295780 Gmdrm	hypo	CHH	-0.0337
Gm04	7316190	7317185 Gmdrm	hypo	CHH	-0.0881
Gm04	7321957	7322943 Gmdrm	hypo	CHH	-0.0272
Gm04	7325648	7326603 Gmdrm	hypo	CHH	-0.0178
Gm04	7328685	7329608 Gmdrm	hypo	CHH	-0.0209
Gm04	7331849	7332841 Gmdrm	hypo	CHH	-0.0954
Gm04	7349084	7350057 Gmdrm	hypo	CHH	-0.0134
Gm04	7351131	7352125 Gmdrm	hypo	CHH	-0.0128
Gm04	7352137	7353135 Gmdrm	hypo	CHH	-0.0412
Gm04	7353141	7354131 Gmdrm	hypo	CHH	-0.2211
Gm04	7354166	7355161 Gmdrm	hypo	CHH	-0.1629
Gm04	7394280	7394765 Gmdrm	hypo	CHH	-0.0212
Gm04	7405968	7406966 Gmdrm	hypo	CHH	-0.0853
Gm04	7419879	7420872 Gmdrm	hypo	CHH	-0.0468
Gm04	7433013	7433988 Gmdrm	hypo	CHH	-0.0229
Gm04	7434020	7435016 Gmdrm	hypo	CHH	-0.0126
Gm04	7441369	7442355 Gmdrm	hypo	CHH	-0.0164
Gm04	7450169	7451161 Gmdrm	hypo	CHH	-0.0569
Gm04	7452227	7453224 Gmdrm	hypo	CHH	-0.0181
Gm04	7461190	7462179 Gmdrm	hypo	CHH	-0.0386
Gm04	7462202	7463200 Gmdrm	hypo	CHH	-0.0324
Gm04	7464114	7465083 Gmdrm	hypo	CHH	-0.0473
Gm04	7465117	7466082 Gmdrm	hypo	CHH	-0.1151
Gm04	7466125	7466775 Gmdrm	hypo	CHH	-0.0224
Gm04	7471760	7472316 Gmdrm	hypo	CHH	-0.033
Gm04	7472429	7472962 Gmdrm	hypo	CHH	-0.0746
Gm04	7482902	7483897 Gmdrm	hypo	CHH	-0.0762
Gm04	7483920	7484848 Gmdrm	hypo	CHH	-0.0293
Gm04	7490168	7491166 Gmdrm	hypo	CHH	-0.0871
Gm04	7501890	7502879 Gmdrm	hypo	CHH	-0.0419
Gm04	7505091	7506028 Gmdrm	hypo	CHH	-0.0136
Gm04	7506362	7507324 Gmdrm	hypo	CHH	-0.0216
Gm04	7509872	7510871 Gmdrm	hypo	CHH	-0.0143
Gm04	7514491	7515490 Gmdrm	hypo	CHH	-0.029
Gm04	7515524	7516524 Gmdrm	hypo	CHH	-0.0139
Gm04	7516525	7517520 Gmdrm	hypo	CHH	-0.0162
Gm04	7519268	7520267 Gmdrm	hypo	CHH	-0.014

Gm04	7529324	7530262	Gmdrm	hypo	CHH	-0.0168
Gm04	7530331	7531321	Gmdrm	hypo	CHH	-0.0891
Gm04	7531338	7532093	Gmdrm	hypo	CHH	-0.0345
Gm04	7533767	7534766	Gmdrm	hypo	CHH	-0.0428
Gm04	7534772	7535771	Gmdrm	hypo	CHH	-0.0893
Gm04	7535774	7536715	Gmdrm	hypo	CHH	-0.0322
Gm04	7537842	7538056	Gmdrm	hypo	CHH	-0.0588
Gm04	7543401	7544358	Gmdrm	hypo	CHH	-0.0268
Gm04	7551951	7552943	Gmdrm	hypo	CHH	-0.0735
Gm04	7572376	7573375	Gmdrm	hypo	CHH	-0.0652
Gm04	7573379	7574071	Gmdrm	hypo	CHH	-0.0774
Gm04	7574753	7575753	Gmdrm	hypo	CHH	-0.0641
Gm04	7575760	7576126	Gmdrm	hypo	CHH	-0.1975
Gm04	7586371	7587371	Gmdrm	hypo	CHH	-0.031
Gm04	7587374	7588373	Gmdrm	hypo	CHH	-0.0975
Gm04	7598583	7599392	Gmdrm	hypo	CHH	-0.0136
Gm04	7602631	7603611	Gmdrm	hypo	CHH	-0.0114
Gm04	7604665	7605665	Gmdrm	hypo	CHH	-0.0978
Gm04	7605667	7606665	Gmdrm	hypo	CHH	-0.307
Gm04	7622217	7623202	Gmdrm	hypo	CHH	-0.0177
Gm04	7623885	7624885	Gmdrm	hypo	CHH	-0.0245
Gm04	7636630	7637630	Gmdrm	hypo	CHH	-0.1369
Gm04	7637635	7638627	Gmdrm	hypo	CHH	-0.1412
Gm04	7639623	7640617	Gmdrm	hypo	CHH	-0.0508
Gm04	7640624	7641551	Gmdrm	hypo	CHH	-0.0566
Gm04	7641628	7642609	Gmdrm	hypo	CHH	-0.0192
Gm04	7642631	7643598	Gmdrm	hypo	CHH	-0.02
Gm04	7652263	7653258	Gmdrm	hypo	CHH	-0.2637
Gm04	7653268	7654260	Gmdrm	hypo	CHH	-0.1803
Gm04	7654269	7655243	Gmdrm	hypo	CHH	-0.0183
Gm04	7655289	7656248	Gmdrm	hypo	CHH	-0.0769
Gm04	7657976	7658976	Gmdrm	hypo	CHH	-0.067
Gm04	7660998	7661998	Gmdrm	hypo	CHH	-0.0822
Gm04	7662004	7662998	Gmdrm	hypo	CHH	-0.0968
Gm04	7663007	7664003	Gmdrm	hypo	CHH	-0.0125
Gm04	7664486	7665038	Gmdrm	hypo	CHH	-0.0951
Gm04	7680299	7680605	Gmdrm	hypo	CHH	-0.03
Gm04	7681805	7682791	Gmdrm	hypo	CHH	-0.0174
Gm04	7682806	7683802	Gmdrm	hypo	CHH	-0.0389
Gm04	7688154	7689153	Gmdrm	hypo	CHH	-0.0415
Gm04	7694002	7694100	Gmdrm	hypo	CHH	-0.16
Gm04	7712819	7712926	Gmdrm	hypo	CHH	-0.03
Gm04	7718068	7719067	Gmdrm	hypo	CHH	-0.029
Gm04	7722297	7723294	Gmdrm	hypo	CHH	-0.0284
Gm04	7725639	7726637	Gmdrm	hypo	CHH	-0.057
Gm04	7730308	7731291	Gmdrm	hypo	CHH	-0.0359

Gm04	7733358	7734299 Gmdrm	hypo	CHH	-0.081
Gm04	7734399	7735399 Gmdrm	hypo	CHH	-0.1376
Gm04	7735400	7735786 Gmdrm	hypo	CHH	-0.2217
Gm04	7735914	7736906 Gmdrm	hypo	CHH	-0.0831
Gm04	7745501	7746170 Gmdrm	hypo	CHH	-0.0227
Gm04	7747351	7747606 Gmdrm	hypo	CHH	-0.1209
Gm04	7761671	7762605 Gmdrm	hypo	CHH	-0.0454
Gm04	7793528	7794519 Gmdrm	hypo	CHH	-0.0218
Gm04	7794533	7795523 Gmdrm	hypo	CHH	-0.0521
Gm04	7799719	7800716 Gmdrm	hypo	CHH	-0.2458
Gm04	7800720	7801715 Gmdrm	hypo	CHH	-0.1849
Gm04	7803944	7804943 Gmdrm	hypo	CHH	-0.2934
Gm04	7804946	7805946 Gmdrm	hypo	CHH	-0.1238
Gm04	7815206	7816204 Gmdrm	hypo	CHH	-0.0329
Gm04	7819249	7820247 Gmdrm	hypo	CHH	-0.1906
Gm04	7820253	7820443 Gmdrm	hypo	CHH	-0.4694
Gm04	7823590	7824578 Gmdrm	hypo	CHH	-0.1269
Gm04	7824591	7825586 Gmdrm	hypo	CHH	-0.0405
Gm04	7825606	7826596 Gmdrm	hypo	CHH	-0.0337
Gm04	7828644	7829482 Gmdrm	hypo	CHH	-0.0177
Gm04	7842683	7843666 Gmdrm	hypo	CHH	-0.0121
Gm04	7844722	7845722 Gmdrm	hypo	CHH	-0.2258
Gm04	7855643	7856639 Gmdrm	hypo	CHH	-0.0789
Gm04	7859686	7860664 Gmdrm	hypo	CHH	-0.1208
Gm04	7860693	7861667 Gmdrm	hypo	CHH	-0.0112
Gm04	7869155	7869745 Gmdrm	hypo	CHH	-0.0674
Gm04	7878560	7879553 Gmdrm	hypo	CHH	-0.0404
Gm04	7879561	7880551 Gmdrm	hypo	CHH	-0.0675
Gm04	7880562	7881540 Gmdrm	hypo	CHH	-0.0295
Gm04	7885349	7886244 Gmdrm	hypo	CHH	-0.1112
Gm04	7887372	7888340 Gmdrm	hypo	CHH	-0.0496
Gm04	7889430	7890426 Gmdrm	hypo	CHH	-0.0193
Gm04	7896568	7897538 Gmdrm	hypo	CHH	-0.0422
Gm04	7898627	7899614 Gmdrm	hypo	CHH	-0.0385
Gm04	7915526	7916523 Gmdrm	hypo	CHH	-0.0633
Gm04	7916530	7917491 Gmdrm	hypo	CHH	-0.0437
Gm04	7917552	7918539 Gmdrm	hypo	CHH	-0.0137
Gm04	7918585	7919580 Gmdrm	hypo	CHH	-0.0218
Gm04	7921670	7922259 Gmdrm	hypo	CHH	-0.0219
Gm04	7922403	7923403 Gmdrm	hypo	CHH	-0.0621
Gm04	7929702	7930699 Gmdrm	hypo	CHH	-0.02
Gm04	7944522	7945482 Gmdrm	hypo	CHH	-0.0182
Gm04	7949598	7950596 Gmdrm	hypo	CHH	-0.0177
Gm04	7951830	7952829 Gmdrm	hypo	CHH	-0.0126
Gm04	7978306	7979298 Gmdrm	hypo	CHH	-0.022
Gm04	7979317	7980313 Gmdrm	hypo	CHH	-0.0176

Gm04	7991974	7992974	Gmdrm	hypo	CHH	-0.0397
Gm04	7997993	7998987	Gmdrm	hypo	CHH	-0.177
Gm04	7998995	7999961	Gmdrm	hypo	CHH	-0.0338
Gm04	8020363	8021353	Gmdrm	hypo	CHH	-0.0528
Gm04	8021370	8022349	Gmdrm	hypo	CHH	-0.2485
Gm04	8024644	8024760	Gmdrm	hypo	CHH	-0.0418
Gm04	8048341	8049312	Gmdrm	hypo	CHH	-0.0119
Gm04	8065043	8065551	Gmdrm	hypo	CHH	-0.0275
Gm04	8075334	8076315	Gmdrm	hypo	CHH	-0.0181
Gm04	8080584	8081567	Gmdrm	hypo	CHH	-0.0917
Gm04	8081601	8082598	Gmdrm	hypo	CHH	-0.0371
Gm04	8082602	8083509	Gmdrm	hypo	CHH	-0.0401
Gm04	8084640	8085243	Gmdrm	hypo	CHH	-0.03
Gm04	8089919	8090914	Gmdrm	hypo	CHH	-0.0189
Gm04	8090933	8091021	Gmdrm	hypo	CHH	-0.081
Gm04	8093608	8094595	Gmdrm	hypo	CHH	-0.0198
Gm04	8099292	8100284	Gmdrm	hypo	CHH	-0.0611
Gm04	8104744	8105518	Gmdrm	hypo	CHH	-0.0461
Gm04	8113773	8114459	Gmdrm	hypo	CHH	-0.2493
Gm04	8117018	8118006	Gmdrm	hypo	CHH	-0.0156
Gm04	8118024	8119008	Gmdrm	hypo	CHH	-0.0261
Gm04	8119208	8120205	Gmdrm	hypo	CHH	-0.0504
Gm04	8122261	8123261	Gmdrm	hypo	CHH	-0.0404
Gm04	8123266	8124227	Gmdrm	hypo	CHH	-0.3022
Gm04	8146975	8147850	Gmdrm	hypo	CHH	-0.1068
Gm04	8189639	8190634	Gmdrm	hypo	CHH	-0.0763
Gm04	8190648	8191647	Gmdrm	hypo	CHH	-0.1306
Gm04	8203457	8203985	Gmdrm	hypo	CHH	-0.1525
Gm04	8207065	8208028	Gmdrm	hypo	CHH	-0.0182
Gm04	8209773	8210772	Gmdrm	hypo	CHH	-0.1324
Gm04	8210778	8211775	Gmdrm	hypo	CHH	-0.0875
Gm04	8218817	8219806	Gmdrm	hypo	CHH	-0.0499
Gm04	8219821	8220816	Gmdrm	hypo	CHH	-0.0431
Gm04	8220847	8221846	Gmdrm	hypo	CHH	-0.0845
Gm04	8221850	8222846	Gmdrm	hypo	CHH	-0.0612
Gm04	8234386	8235377	Gmdrm	hypo	CHH	-0.0178
Gm04	8238444	8239377	Gmdrm	hypo	CHH	-0.016
Gm04	8245057	8246052	Gmdrm	hypo	CHH	-0.2338
Gm04	8267938	8268938	Gmdrm	hypo	CHH	-0.0424
Gm04	8268985	8269983	Gmdrm	hypo	CHH	-0.0885
Gm04	8269992	8270963	Gmdrm	hypo	CHH	-0.0432
Gm04	8273095	8274095	Gmdrm	hypo	CHH	-0.0223
Gm04	8290942	8291939	Gmdrm	hypo	CHH	-0.0557
Gm04	8302832	8303814	Gmdrm	hypo	CHH	-0.027
Gm04	8311568	8311709	Gmdrm	hypo	CHH	-0.0455
Gm04	8311823	8312803	Gmdrm	hypo	CHH	-0.0429

Gm04	8327177	8328173	Gmdrm	hypo	CHH	-0.0179
Gm04	8328194	8329165	Gmdrm	hypo	CHH	-0.018
Gm04	8352490	8353484	Gmdrm	hypo	CHH	-0.1255
Gm04	8353491	8354477	Gmdrm	hypo	CHH	-0.1429
Gm04	8382590	8383070	Gmdrm	hypo	CHH	-0.0439
Gm04	8386233	8387001	Gmdrm	hypo	CHH	-0.1045
Gm04	8398687	8399639	Gmdrm	hypo	CHH	-0.0203
Gm04	8399715	8400682	Gmdrm	hypo	CHH	-0.0762
Gm04	8413250	8414250	Gmdrm	hypo	CHH	-0.0559
Gm04	8417309	8418309	Gmdrm	hypo	CHH	-0.0845
Gm04	8418320	8419307	Gmdrm	hypo	CHH	-0.0916
Gm04	8425077	8426070	Gmdrm	hypo	CHH	-0.1013
Gm04	8427095	8428081	Gmdrm	hypo	CHH	-0.0619
Gm04	8428113	8429109	Gmdrm	hypo	CHH	-0.1156
Gm04	8430179	8431155	Gmdrm	hypo	CHH	-0.0915
Gm04	8431210	8432192	Gmdrm	hypo	CHH	-0.0202
Gm04	8432957	8433939	Gmdrm	hypo	CHH	-0.0193
Gm04	8433981	8434979	Gmdrm	hypo	CHH	-0.0458
Gm04	8435690	8436690	Gmdrm	hypo	CHH	-0.069
Gm04	8437739	8438735	Gmdrm	hypo	CHH	-0.0379
Gm04	8438752	8439295	Gmdrm	hypo	CHH	-0.1362
Gm04	8439411	8440406	Gmdrm	hypo	CHH	-0.1682
Gm04	8446185	8447183	Gmdrm	hypo	CHH	-0.2966
Gm04	8447186	8448105	Gmdrm	hypo	CHH	-0.0662
Gm04	8459016	8460002	Gmdrm	hypo	CHH	-0.1272
Gm04	8469128	8469844	Gmdrm	hypo	CHH	-0.019
Gm04	8473678	8474654	Gmdrm	hypo	CHH	-0.1262
Gm04	8476697	8477655	Gmdrm	hypo	CHH	-0.0289
Gm04	8478728	8479716	Gmdrm	hypo	CHH	-0.1014
Gm04	8490554	8491511	Gmdrm	hypo	CHH	-0.0161
Gm04	8494640	8495638	Gmdrm	hypo	CHH	-0.0674
Gm04	8495643	8496643	Gmdrm	hypo	CHH	-0.1246
Gm04	8496644	8497616	Gmdrm	hypo	CHH	-0.0261
Gm04	8506015	8507015	Gmdrm	hypo	CHH	-0.0203
Gm04	8507018	8508018	Gmdrm	hypo	CHH	-0.0747
Gm04	8544202	8545194	Gmdrm	hypo	CHH	-0.063
Gm04	8545203	8546189	Gmdrm	hypo	CHH	-0.0129
Gm04	8546240	8547216	Gmdrm	hypo	CHH	-0.0906
Gm04	8550834	8551831	Gmdrm	hypo	CHH	-0.0143
Gm04	8554669	8555510	Gmdrm	hypo	CHH	-0.0216
Gm04	8555634	8556627	Gmdrm	hypo	CHH	-0.0433
Gm04	8561192	8562190	Gmdrm	hypo	CHH	-0.0424
Gm04	8578087	8579076	Gmdrm	hypo	CHH	-0.0177
Gm04	8593893	8594084	Gmdrm	hypo	CHH	-0.0744
Gm04	8605103	8606030	Gmdrm	hypo	CHH	-0.02
Gm04	8614129	8615109	Gmdrm	hypo	CHH	-0.1307

Gm04	8635615	8636600	Gmdrm	hypo	CHH	-0.104
Gm04	8644149	8645126	Gmdrm	hypo	CHH	-0.0244
Gm04	8645171	8646159	Gmdrm	hypo	CHH	-0.0313
Gm04	8724070	8724965	Gmdrm	hypo	CHH	-0.0814
Gm04	8725840	8725932	Gmdrm	hypo	CHH	-0.06
Gm04	8738619	8739613	Gmdrm	hypo	CHH	-0.0624
Gm04	8747465	8748464	Gmdrm	hypo	CHH	-0.0295
Gm04	8749491	8750490	Gmdrm	hypo	CHH	-0.0913
Gm04	8750498	8751496	Gmdrm	hypo	CHH	-0.1137
Gm04	8770758	8771736	Gmdrm	hypo	CHH	-0.0507
Gm04	8774032	8775000	Gmdrm	hypo	CHH	-0.0269
Gm04	8775037	8776030	Gmdrm	hypo	CHH	-0.0177
Gm04	8781097	8782057	Gmdrm	hypo	CHH	-0.0149
Gm04	8784350	8785346	Gmdrm	hypo	CHH	-0.0206
Gm04	8786399	8787003	Gmdrm	hypo	CHH	-0.0155
Gm04	8790179	8791179	Gmdrm	hypo	CHH	-0.074
Gm04	8791185	8792185	Gmdrm	hypo	CHH	-0.0638
Gm04	8793495	8794425	Gmdrm	hypo	CHH	-0.0312
Gm04	8804312	8805311	Gmdrm	hypo	CHH	-0.1997
Gm04	8805317	8806291	Gmdrm	hypo	CHH	-0.1066
Gm04	8808655	8809110	Gmdrm	hypo	CHH	-0.0746
Gm04	8809315	8810295	Gmdrm	hypo	CHH	-0.1561
Gm04	8810318	8811305	Gmdrm	hypo	CHH	-0.2383
Gm04	8817289	8818275	Gmdrm	hypo	CHH	-0.0327
Gm04	8818325	8819318	Gmdrm	hypo	CHH	-0.0194
Gm04	8827666	8828654	Gmdrm	hypo	CHH	-0.1102
Gm04	8828674	8829288	Gmdrm	hypo	CHH	-0.1517
Gm04	8837653	8838445	Gmdrm	hypo	CHH	-0.3356
Gm04	8841884	8842883	Gmdrm	hypo	CHH	-0.0314
Gm04	8843911	8844907	Gmdrm	hypo	CHH	-0.0579
Gm04	8844913	8845784	Gmdrm	hypo	CHH	-0.0132
Gm04	8846892	8847652	Gmdrm	hypo	CHH	-0.1161
Gm04	8851198	8852180	Gmdrm	hypo	CHH	-0.0241
Gm04	8857511	8858509	Gmdrm	hypo	CHH	-0.0557
Gm04	8886426	8887402	Gmdrm	hypo	CHH	-0.1079
Gm04	8887477	8888470	Gmdrm	hypo	CHH	-0.1727
Gm04	8891335	8892314	Gmdrm	hypo	CHH	-0.0192
Gm04	8894040	8894816	Gmdrm	hypo	CHH	-0.0488
Gm04	8904905	8905901	Gmdrm	hypo	CHH	-0.036
Gm04	8907872	8908872	Gmdrm	hypo	CHH	-0.0714
Gm04	8908891	8909885	Gmdrm	hypo	CHH	-0.067
Gm04	8909893	8910893	Gmdrm	hypo	CHH	-0.0284
Gm04	8913661	8914659	Gmdrm	hypo	CHH	-0.0427
Gm04	8915673	8916670	Gmdrm	hypo	CHH	-0.05
Gm04	8918084	8919084	Gmdrm	hypo	CHH	-0.0161
Gm04	8919086	8920086	Gmdrm	hypo	CHH	-0.0969

Gm04	8920089	8921082	Gmdrm	hypo	CHH	-0.167
Gm04	8968155	8969149	Gmdrm	hypo	CHH	-0.0215
Gm04	8976460	8977454	Gmdrm	hypo	CHH	-0.0303
Gm04	8986434	8987134	Gmdrm	hypo	CHH	-0.1175
Gm04	8987440	8988432	Gmdrm	hypo	CHH	-0.0764
Gm04	8995309	8996300	Gmdrm	hypo	CHH	-0.0806
Gm04	8996565	8997564	Gmdrm	hypo	CHH	-0.0316
Gm04	8997579	8998561	Gmdrm	hypo	CHH	-0.0512
Gm04	9001838	9002832	Gmdrm	hypo	CHH	-0.0674
Gm04	9010984	9011946	Gmdrm	hypo	CHH	-0.0219
Gm04	9011987	9012961	Gmdrm	hypo	CHH	-0.0138
Gm04	9016024	9016971	Gmdrm	hypo	CHH	-0.0282
Gm04	9023759	9024743	Gmdrm	hypo	CHH	-0.0553
Gm04	9035744	9036743	Gmdrm	hypo	CHH	-0.1318
Gm04	9041131	9041539	Gmdrm	hypo	CHH	-0.0384
Gm04	9042679	9043477	Gmdrm	hypo	CHH	-0.0164
Gm04	9045684	9046683	Gmdrm	hypo	CHH	-0.0201
Gm04	9047066	9048053	Gmdrm	hypo	CHH	-0.2842
Gm04	9053265	9054204	Gmdrm	hypo	CHH	-0.0573
Gm04	9060840	9060975	Gmdrm	hypo	CHH	-0.0864
Gm04	9061349	9062348	Gmdrm	hypo	CHH	-0.0502
Gm04	9082928	9083928	Gmdrm	hypo	CHH	-0.0628
Gm04	9083931	9084585	Gmdrm	hypo	CHH	-0.0788
Gm04	9101489	9102483	Gmdrm	hypo	CHH	-0.0946
Gm04	9108957	9109951	Gmdrm	hypo	CHH	-0.0105
Gm04	9115007	9116004	Gmdrm	hypo	CHH	-0.0221
Gm04	9117299	9117574	Gmdrm	hypo	CHH	-0.0265
Gm04	9135061	9136050	Gmdrm	hypo	CHH	-0.052
Gm04	9150932	9151932	Gmdrm	hypo	CHH	-0.0118
Gm04	9155868	9156830	Gmdrm	hypo	CHH	-0.0363
Gm04	9156871	9157857	Gmdrm	hypo	CHH	-0.0198
Gm04	9162521	9163508	Gmdrm	hypo	CHH	-0.0704
Gm04	9171125	9172117	Gmdrm	hypo	CHH	-0.0178
Gm04	9172133	9173124	Gmdrm	hypo	CHH	-0.0137
Gm04	9174020	9175012	Gmdrm	hypo	CHH	-0.0398
Gm04	9175021	9176005	Gmdrm	hypo	CHH	-0.0264
Gm04	9179431	9179537	Gmdrm	hypo	CHH	-0.035
Gm04	9181998	9182988	Gmdrm	hypo	CHH	-0.0365
Gm04	9193262	9194260	Gmdrm	hypo	CHH	-0.0334
Gm04	9199315	9200304	Gmdrm	hypo	CHH	-0.0763
Gm04	9200317	9200425	Gmdrm	hypo	CHH	-0.2625
Gm04	9204353	9205352	Gmdrm	hypo	CHH	-0.0569
Gm04	9210322	9211321	Gmdrm	hypo	CHH	-0.0141
Gm04	9216169	9216549	Gmdrm	hypo	CHH	-0.0178
Gm04	9218681	9219302	Gmdrm	hypo	CHH	-0.0686
Gm04	9222660	9223278	Gmdrm	hypo	CHH	-0.0266

Gm04	9228469	9229466	Gmdrm	hypo	CHH	-0.0774
Gm04	9240243	9241241	Gmdrm	hypo	CHH	-0.0753
Gm04	9241244	9242229	Gmdrm	hypo	CHH	-0.1293
Gm04	9244236	9245236	Gmdrm	hypo	CHH	-0.0771
Gm04	9245238	9246228	Gmdrm	hypo	CHH	-0.1125
Gm04	9262381	9262659	Gmdrm	hypo	CHH	-0.0416
Gm04	9268038	9269032	Gmdrm	hypo	CHH	-0.0673
Gm04	9274914	9275589	Gmdrm	hypo	CHH	-0.0689
Gm04	9301260	9302239	Gmdrm	hypo	CHH	-0.0149
Gm04	9310805	9311798	Gmdrm	hypo	CHH	-0.0182
Gm04	9312818	9313799	Gmdrm	hypo	CHH	-0.0158
Gm04	9313829	9314827	Gmdrm	hypo	CHH	-0.0527
Gm04	9322601	9322791	Gmdrm	hypo	CHH	-0.1221
Gm04	9369225	9369404	Gmdrm	hypo	CHH	-0.0672
Gm04	9372203	9373172	Gmdrm	hypo	CHH	-0.0214
Gm04	9390495	9391113	Gmdrm	hypo	CHH	-0.0894
Gm04	9392237	9393054	Gmdrm	hypo	CHH	-0.0773
Gm04	9394852	9395824	Gmdrm	hypo	CHH	-0.0308
Gm04	9411690	9412674	Gmdrm	hypo	CHH	-0.0172
Gm04	9421301	9422301	Gmdrm	hypo	CHH	-0.1255
Gm04	9425466	9426446	Gmdrm	hypo	CHH	-0.0316
Gm04	9435561	9436561	Gmdrm	hypo	CHH	-0.0456
Gm04	9440317	9440817	Gmdrm	hypo	CHH	-0.0245
Gm04	9442068	9443067	Gmdrm	hypo	CHH	-0.0889
Gm04	9446197	9447191	Gmdrm	hypo	CHH	-0.0437
Gm04	9448220	9449218	Gmdrm	hypo	CHH	-0.0714
Gm04	9462463	9462875	Gmdrm	hypo	CHH	-0.0596
Gm04	9469597	9470597	Gmdrm	hypo	CHH	-0.0435
Gm04	9474720	9475276	Gmdrm	hypo	CHH	-0.0169
Gm04	9477111	9478067	Gmdrm	hypo	CHH	-0.0141
Gm04	9481186	9482183	Gmdrm	hypo	CHH	-0.0704
Gm04	9482224	9483219	Gmdrm	hypo	CHH	-0.0473
Gm04	9491859	9492259	Gmdrm	hypo	CHH	-0.0328
Gm04	9517039	9518016	Gmdrm	hypo	CHH	-0.0375
Gm04	9524361	9525348	Gmdrm	hypo	CHH	-0.0543
Gm04	9525362	9526355	Gmdrm	hypo	CHH	-0.0936
Gm04	9535164	9536154	Gmdrm	hypo	CHH	-0.0919
Gm04	9536992	9537982	Gmdrm	hypo	CHH	-0.0209
Gm04	9543152	9544150	Gmdrm	hypo	CHH	-0.0168
Gm04	9546293	9547292	Gmdrm	hypo	CHH	-0.0295
Gm04	9547294	9548285	Gmdrm	hypo	CHH	-0.2789
Gm04	9553507	9554479	Gmdrm	hypo	CHH	-0.0816
Gm04	9584060	9585019	Gmdrm	hypo	CHH	-0.0137
Gm04	9597426	9598419	Gmdrm	hypo	CHH	-0.0615
Gm04	9604630	9605276	Gmdrm	hypo	CHH	-0.0145
Gm04	9618980	9619978	Gmdrm	hypo	CHH	-0.0632

Gm04	9625552	9626532	Gmdrm	hypo	CHH	-0.0197
Gm04	9637477	9638475	Gmdrm	hypo	CHH	-0.0686
Gm04	9644046	9644583	Gmdrm	hypo	CHH	-0.0335
Gm04	9646122	9647121	Gmdrm	hypo	CHH	-0.1393
Gm04	9647124	9647605	Gmdrm	hypo	CHH	-0.1385
Gm04	9647736	9648186	Gmdrm	hypo	CHH	-0.0275
Gm04	9649534	9649652	Gmdrm	hypo	CHH	-0.158
Gm04	9649755	9650744	Gmdrm	hypo	CHH	-0.1004
Gm04	9663399	9663712	Gmdrm	hypo	CHH	-0.0206
Gm04	9667042	9667128	Gmdrm	hypo	CHH	-0.064
Gm04	9703333	9704158	Gmdrm	hypo	CHH	-0.0859
Gm04	9705341	9706192	Gmdrm	hypo	CHH	-0.0206
Gm04	9710061	9711037	Gmdrm	hypo	CHH	-0.161
Gm04	9715525	9716523	Gmdrm	hypo	CHH	-0.0436
Gm04	9724166	9724972	Gmdrm	hypo	CHH	-0.0748
Gm04	9731182	9732175	Gmdrm	hypo	CHH	-0.099
Gm04	9735880	9736879	Gmdrm	hypo	CHH	-0.0897
Gm04	9736881	9737881	Gmdrm	hypo	CHH	-0.0609
Gm04	9774580	9775571	Gmdrm	hypo	CHH	-0.0965
Gm04	9776602	9777257	Gmdrm	hypo	CHH	-0.0184
Gm04	9777367	9778347	Gmdrm	hypo	CHH	-0.0094
Gm04	9782416	9783416	Gmdrm	hypo	CHH	-0.085
Gm04	9785482	9786444	Gmdrm	hypo	CHH	-0.074
Gm04	9794417	9795411	Gmdrm	hypo	CHH	-0.19
Gm04	9799784	9800768	Gmdrm	hypo	CHH	-0.0129
Gm04	9801065	9802007	Gmdrm	hypo	CHH	-0.2572
Gm04	9802090	9802246	Gmdrm	hypo	CHH	-0.0577
Gm04	9847743	9848740	Gmdrm	hypo	CHH	-0.0219
Gm04	9848746	9849746	Gmdrm	hypo	CHH	-0.0584
Gm04	9850758	9851758	Gmdrm	hypo	CHH	-0.0979
Gm04	9857005	9857998	Gmdrm	hypo	CHH	-0.1611
Gm04	9858006	9858110	Gmdrm	hypo	CHH	-0.0767
Gm04	9858290	9859258	Gmdrm	hypo	CHH	-0.1869
Gm04	9864156	9865155	Gmdrm	hypo	CHH	-0.0232
Gm04	9865169	9865520	Gmdrm	hypo	CHH	-0.0553
Gm04	9876453	9877451	Gmdrm	hypo	CHH	-0.0099
Gm04	9877457	9878453	Gmdrm	hypo	CHH	-0.035
Gm04	9882562	9883555	Gmdrm	hypo	CHH	-0.0162
Gm04	9897497	9898497	Gmdrm	hypo	CHH	-0.0148
Gm04	9905574	9906458	Gmdrm	hypo	CHH	-0.034
Gm04	9906768	9907767	Gmdrm	hypo	CHH	-0.0437
Gm04	9908771	9909740	Gmdrm	hypo	CHH	-0.0521
Gm04	9909790	9910786	Gmdrm	hypo	CHH	-0.0409
Gm04	9910797	9911794	Gmdrm	hypo	CHH	-0.0513
Gm04	9911809	9912804	Gmdrm	hypo	CHH	-0.0596
Gm04	9985192	9986184	Gmdrm	hypo	CHH	-0.0164

Gm04	10009033	10010030	Gmdrm	hypo	CHH	-0.0127
Gm04	10027145	10028128	Gmdrm	hypo	CHH	-0.0319
Gm04	10038144	10038417	Gmdrm	hypo	CHH	-0.069
Gm04	10056728	10057710	Gmdrm	hypo	CHH	-0.0298
Gm04	10057777	10058507	Gmdrm	hypo	CHH	-0.026
Gm04	10059146	10060144	Gmdrm	hypo	CHH	-0.1072
Gm04	10082274	10083104	Gmdrm	hypo	CHH	-0.0306
Gm04	10087274	10088270	Gmdrm	hypo	CHH	-0.0263
Gm04	10124420	10125419	Gmdrm	hypo	CHH	-0.0419
Gm04	10128701	10129698	Gmdrm	hypo	CHH	-0.0202
Gm04	10129725	10130724	Gmdrm	hypo	CHH	-0.0162
Gm04	10133865	10134855	Gmdrm	hypo	CHH	-0.0266
Gm04	10150889	10151767	Gmdrm	hypo	CHH	-0.0493
Gm04	10154135	10155070	Gmdrm	hypo	CHH	-0.0234
Gm04	10156179	10157178	Gmdrm	hypo	CHH	-0.0355
Gm04	10158194	10159190	Gmdrm	hypo	CHH	-0.0238
Gm04	10159710	10160700	Gmdrm	hypo	CHH	-0.0379
Gm04	10240669	10241190	Gmdrm	hypo	CHH	-0.07
Gm04	10264073	10264103	Gmdrm	hypo	CHH	-0.0828
Gm04	10267893	10268863	Gmdrm	hypo	CHH	-0.0465
Gm04	10316430	10317415	Gmdrm	hypo	CHH	-0.0503
Gm04	10416732	10417138	Gmdrm	hypo	CHH	-0.0469
Gm04	10429938	10430927	Gmdrm	hypo	CHH	-0.0164
Gm04	10440304	10440684	Gmdrm	hypo	CHH	-0.08
Gm04	10499442	10500427	Gmdrm	hypo	CHH	-0.0413
Gm04	10543262	10543678	Gmdrm	hypo	CHH	-0.04
Gm04	10550394	10551054	Gmdrm	hypo	CHH	-0.0417
Gm04	10556563	10556819	Gmdrm	hypo	CHH	-0.05
Gm04	10563853	10563936	Gmdrm	hypo	CHH	-0.064
Gm04	10570148	10570669	Gmdrm	hypo	CHH	-0.0261
Gm04	10582826	10583000	Gmdrm	hypo	CHH	-0.1025
Gm04	10788138	10789122	Gmdrm	hypo	CHH	-0.0378
Gm04	10828842	10828869	Gmdrm	hypo	CHH	-0.24
Gm04	10901315	10902086	Gmdrm	hypo	CHH	-0.0278
Gm04	10935034	10936031	Gmdrm	hypo	CHH	-0.0517
Gm04	10945023	10945350	Gmdrm	hypo	CHH	-0.0639
Gm04	10962421	10963392	Gmdrm	hypo	CHH	-0.0289
Gm04	10963426	10963964	Gmdrm	hypo	CHH	-0.0228
Gm04	11136382	11137365	Gmdrm	hypo	CHH	-0.0384
Gm04	11137390	11137705	Gmdrm	hypo	CHH	-0.0303
Gm04	11146105	11147002	Gmdrm	hypo	CHH	-0.0255
Gm04	11150013	11151003	Gmdrm	hypo	CHH	-0.1311
Gm04	11151022	11151764	Gmdrm	hypo	CHH	-0.0655
Gm04	11157741	11158624	Gmdrm	hypo	CHH	-0.4205
Gm04	11158898	11159875	Gmdrm	hypo	CHH	-0.0411
Gm04	11159954	11160938	Gmdrm	hypo	CHH	-0.0725

Gm04	11166006	11166992	Gmdrm	hypo	CHH	-0.0705
Gm04	11167016	11167505	Gmdrm	hypo	CHH	-0.0206
Gm04	11171479	11172476	Gmdrm	hypo	CHH	-0.0454
Gm04	11182925	11183919	Gmdrm	hypo	CHH	-0.0629
Gm04	11185986	11186972	Gmdrm	hypo	CHH	-0.0388
Gm04	11186987	11187966	Gmdrm	hypo	CHH	-0.0576
Gm04	11187999	11188990	Gmdrm	hypo	CHH	-0.0786
Gm04	11189001	11189997	Gmdrm	hypo	CHH	-0.0712
Gm04	11202286	11203280	Gmdrm	hypo	CHH	-0.0808
Gm04	11224577	11225574	Gmdrm	hypo	CHH	-0.0325
Gm04	11232317	11233314	Gmdrm	hypo	CHH	-0.014
Gm04	11234367	11235365	Gmdrm	hypo	CHH	-0.0265
Gm04	11269952	11270886	Gmdrm	hypo	CHH	-0.0475
Gm04	11271079	11272070	Gmdrm	hypo	CHH	-0.081
Gm04	11276706	11277702	Gmdrm	hypo	CHH	-0.0409
Gm04	11296232	11297223	Gmdrm	hypo	CHH	-0.1519
Gm04	11300295	11301255	Gmdrm	hypo	CHH	-0.0316
Gm04	11302029	11303026	Gmdrm	hypo	CHH	-0.0765
Gm04	11304057	11305041	Gmdrm	hypo	CHH	-0.0376
Gm04	11305083	11305951	Gmdrm	hypo	CHH	-0.0924
Gm04	11306075	11307061	Gmdrm	hypo	CHH	-0.1308
Gm04	11307094	11308067	Gmdrm	hypo	CHH	-0.0653
Gm04	11312182	11313181	Gmdrm	hypo	CHH	-0.0411
Gm04	11317215	11318020	Gmdrm	hypo	CHH	-0.0598
Gm04	11323968	11324967	Gmdrm	hypo	CHH	-0.0699
Gm04	11338376	11339330	Gmdrm	hypo	CHH	-0.0382
Gm04	11340759	11341737	Gmdrm	hypo	CHH	-0.1553
Gm04	11343984	11344983	Gmdrm	hypo	CHH	-0.0375
Gm04	11344998	11345966	Gmdrm	hypo	CHH	-0.0763
Gm04	11380265	11381244	Gmdrm	hypo	CHH	-0.0924
Gm04	11388498	11389050	Gmdrm	hypo	CHH	-0.0645
Gm04	11392125	11393106	Gmdrm	hypo	CHH	-0.0765
Gm04	11395733	11396574	Gmdrm	hypo	CHH	-0.0309
Gm04	11405999	11406991	Gmdrm	hypo	CHH	-0.0163
Gm04	11416485	11417479	Gmdrm	hypo	CHH	-0.2746
Gm04	11417486	11418481	Gmdrm	hypo	CHH	-0.2357
Gm04	11422529	11423009	Gmdrm	hypo	CHH	-0.0613
Gm04	11427686	11428684	Gmdrm	hypo	CHH	-0.0718
Gm04	11433764	11434759	Gmdrm	hypo	CHH	-0.0317
Gm04	11436824	11436916	Gmdrm	hypo	CHH	-0.1295
Gm04	11445955	11446653	Gmdrm	hypo	CHH	-0.0674
Gm04	11446806	11447239	Gmdrm	hypo	CHH	-0.046
Gm04	11512483	11513472	Gmdrm	hypo	CHH	-0.0605
Gm04	11513498	11513864	Gmdrm	hypo	CHH	-0.0218
Gm04	11518193	11519172	Gmdrm	hypo	CHH	-0.0366
Gm04	11520079	11520388	Gmdrm	hypo	CHH	-0.0281

Gm04	11521079	11522068	Gmdrm	hypo	CHH	-0.0299
Gm04	11547388	11548364	Gmdrm	hypo	CHH	-0.0603
Gm04	11550343	11551104	Gmdrm	hypo	CHH	-0.0234
Gm04	11552482	11552805	Gmdrm	hypo	CHH	-0.0368
Gm04	11576545	11577539	Gmdrm	hypo	CHH	-0.0434
Gm04	11578554	11579553	Gmdrm	hypo	CHH	-0.0437
Gm04	11617664	11618653	Gmdrm	hypo	CHH	-0.0293
Gm04	11628160	11629098	Gmdrm	hypo	CHH	-0.0184
Gm04	11632721	11633711	Gmdrm	hypo	CHH	-0.0437
Gm04	11636776	11637772	Gmdrm	hypo	CHH	-0.0223
Gm04	11639890	11640861	Gmdrm	hypo	CHH	-0.0656
Gm04	11642208	11643190	Gmdrm	hypo	CHH	-0.0227
Gm04	11643218	11644213	Gmdrm	hypo	CHH	-0.0458
Gm04	11710188	11711113	Gmdrm	hypo	CHH	-0.066
Gm04	11711220	11712145	Gmdrm	hypo	CHH	-0.0608
Gm04	11712559	11713238	Gmdrm	hypo	CHH	-0.0661
Gm04	11714844	11715825	Gmdrm	hypo	CHH	-0.101
Gm04	11739062	11740048	Gmdrm	hypo	CHH	-0.1148
Gm04	11740065	11740250	Gmdrm	hypo	CHH	-0.0443
Gm04	11749135	11750086	Gmdrm	hypo	CHH	-0.0127
Gm04	11774568	11775565	Gmdrm	hypo	CHH	-0.0133
Gm04	11777683	11777884	Gmdrm	hypo	CHH	-0.0464
Gm04	11780864	11781862	Gmdrm	hypo	CHH	-0.0292
Gm04	11792260	11793228	Gmdrm	hypo	CHH	-0.0714
Gm04	11829954	11830947	Gmdrm	hypo	CHH	-0.0193
Gm04	11831706	11832706	Gmdrm	hypo	CHH	-0.02
Gm04	11883055	11883757	Gmdrm	hypo	CHH	-0.0478
Gm04	11892947	11893941	Gmdrm	hypo	CHH	-0.0829
Gm04	11893987	11894434	Gmdrm	hypo	CHH	-0.0306
Gm04	11895585	11896577	Gmdrm	hypo	CHH	-0.0343
Gm04	11898605	11899593	Gmdrm	hypo	CHH	-0.0707
Gm04	11901224	11902211	Gmdrm	hypo	CHH	-0.0372
Gm04	11902227	11903219	Gmdrm	hypo	CHH	-0.1079
Gm04	11903252	11904241	Gmdrm	hypo	CHH	-0.0174
Gm04	11908463	11909442	Gmdrm	hypo	CHH	-0.0373
Gm04	11909473	11909775	Gmdrm	hypo	CHH	-0.0869
Gm04	11909908	11910888	Gmdrm	hypo	CHH	-0.0386
Gm04	11947527	11948524	Gmdrm	hypo	CHH	-0.0122
Gm04	11948541	11949518	Gmdrm	hypo	CHH	-0.0216
Gm04	11957200	11958200	Gmdrm	hypo	CHH	-0.0701
Gm04	11958206	11958595	Gmdrm	hypo	CHH	-0.1147
Gm04	11962169	11963164	Gmdrm	hypo	CHH	-0.017
Gm04	11964150	11965130	Gmdrm	hypo	CHH	-0.0291
Gm04	12027611	12027935	Gmdrm	hypo	CHH	-0.1446
Gm04	12032726	12033726	Gmdrm	hypo	CHH	-0.0446
Gm04	12039019	12039996	Gmdrm	hypo	CHH	-0.0295

Gm04	12048925	12049887	Gmdrm	hypo	CHH	-0.044
Gm04	12049942	12050937	Gmdrm	hypo	CHH	-0.1342
Gm04	12062729	12063251	Gmdrm	hypo	CHH	-0.0817
Gm04	12063394	12064062	Gmdrm	hypo	CHH	-0.0242
Gm04	12079904	12080899	Gmdrm	hypo	CHH	-0.0711
Gm04	12082391	12083388	Gmdrm	hypo	CHH	-0.0291
Gm04	12083403	12084374	Gmdrm	hypo	CHH	-0.0231
Gm04	12084411	12085363	Gmdrm	hypo	CHH	-0.0274
Gm04	12085437	12086437	Gmdrm	hypo	CHH	-0.044
Gm04	12090458	12091456	Gmdrm	hypo	CHH	-0.1093
Gm04	12091459	12092456	Gmdrm	hypo	CHH	-0.0256
Gm04	12096841	12097815	Gmdrm	hypo	CHH	-0.1407
Gm04	12097847	12098846	Gmdrm	hypo	CHH	-0.0686
Gm04	12098853	12099846	Gmdrm	hypo	CHH	-0.062
Gm04	12110835	12111795	Gmdrm	hypo	CHH	-0.0282
Gm04	12111851	12112830	Gmdrm	hypo	CHH	-0.022
Gm04	12112864	12113853	Gmdrm	hypo	CHH	-0.0174
Gm04	12114980	12115927	Gmdrm	hypo	CHH	-0.066
Gm04	12118519	12119512	Gmdrm	hypo	CHH	-0.0229
Gm04	12209269	12210263	Gmdrm	hypo	CHH	-0.0149
Gm04	12223477	12224461	Gmdrm	hypo	CHH	-0.0486
Gm04	12225504	12226503	Gmdrm	hypo	CHH	-0.0466
Gm04	12243350	12243654	Gmdrm	hypo	CHH	-0.0515
Gm04	12320456	12320660	Gmdrm	hypo	CHH	-0.1055
Gm04	12322692	12323687	Gmdrm	hypo	CHH	-0.0355
Gm04	12327096	12328078	Gmdrm	hypo	CHH	-0.04
Gm04	12344674	12345656	Gmdrm	hypo	CHH	-0.0561
Gm04	12345692	12346128	Gmdrm	hypo	CHH	-0.0233
Gm04	12349803	12350802	Gmdrm	hypo	CHH	-0.0914
Gm04	12350809	12351521	Gmdrm	hypo	CHH	-0.2246
Gm04	12354170	12354571	Gmdrm	hypo	CHH	-0.0419
Gm04	12361392	12362388	Gmdrm	hypo	CHH	-0.1012
Gm04	12385497	12385799	Gmdrm	hypo	CHH	-0.028
Gm04	12388020	12389017	Gmdrm	hypo	CHH	-0.0324
Gm04	12395765	12396765	Gmdrm	hypo	CHH	-0.019
Gm04	12396772	12397769	Gmdrm	hypo	CHH	-0.0205
Gm04	12414653	12415620	Gmdrm	hypo	CHH	-0.0991
Gm04	12422377	12423377	Gmdrm	hypo	CHH	-0.035
Gm04	12439610	12440594	Gmdrm	hypo	CHH	-0.0146
Gm04	12441633	12442444	Gmdrm	hypo	CHH	-0.0304
Gm04	12442962	12443959	Gmdrm	hypo	CHH	-0.0558
Gm04	12443969	12444870	Gmdrm	hypo	CHH	-0.3319
Gm04	12467175	12468161	Gmdrm	hypo	CHH	-0.0894
Gm04	12476934	12477303	Gmdrm	hypo	CHH	-0.1439
Gm04	12485612	12486483	Gmdrm	hypo	CHH	-0.0298
Gm04	12513961	12514946	Gmdrm	hypo	CHH	-0.044

Gm04	12526000	12526859	Gmdrm	hypo	CHH	-0.0424
Gm04	12596477	12597469	Gmdrm	hypo	CHH	-0.0303
Gm04	12597484	12598467	Gmdrm	hypo	CHH	-0.0311
Gm04	12626834	12627626	Gmdrm	hypo	CHH	-0.04
Gm04	12634259	12635259	Gmdrm	hypo	CHH	-0.1884
Gm04	12635262	12636062	Gmdrm	hypo	CHH	-0.2339
Gm04	12705980	12706972	Gmdrm	hypo	CHH	-0.0546
Gm04	12706993	12707020	Gmdrm	hypo	CHH	-0.05
Gm04	12707257	12707845	Gmdrm	hypo	CHH	-0.0389
Gm04	12708910	12709885	Gmdrm	hypo	CHH	-0.1153
Gm04	12709911	12710911	Gmdrm	hypo	CHH	-0.0876
Gm04	12710917	12711760	Gmdrm	hypo	CHH	-0.0568
Gm04	12727056	12728046	Gmdrm	hypo	CHH	-0.0498
Gm04	12741572	12742549	Gmdrm	hypo	CHH	-0.049
Gm04	12742604	12743074	Gmdrm	hypo	CHH	-0.2063
Gm04	12745226	12746198	Gmdrm	hypo	CHH	-0.0542
Gm04	12788084	12788901	Gmdrm	hypo	CHH	-0.0878
Gm04	12862990	12863990	Gmdrm	hypo	CHH	-0.0555
Gm04	12863994	12864925	Gmdrm	hypo	CHH	-0.1353
Gm04	12880825	12881823	Gmdrm	hypo	CHH	-0.1509
Gm04	12912635	12913601	Gmdrm	hypo	CHH	-0.0419
Gm04	12913669	12914652	Gmdrm	hypo	CHH	-0.0515
Gm04	12933163	12934163	Gmdrm	hypo	CHH	-0.0326
Gm04	12954269	12955254	Gmdrm	hypo	CHH	-0.0685
Gm04	12955275	12956253	Gmdrm	hypo	CHH	-0.1626
Gm04	12956281	12957270	Gmdrm	hypo	CHH	-0.098
Gm04	12969255	12970177	Gmdrm	hypo	CHH	-0.0214
Gm04	12970482	12971474	Gmdrm	hypo	CHH	-0.0168
Gm04	13005423	13006372	Gmdrm	hypo	CHH	-0.044
Gm04	13010339	13011330	Gmdrm	hypo	CHH	-0.0127
Gm04	13263970	13264970	Gmdrm	hypo	CHH	-0.0716
Gm04	13269574	13270065	Gmdrm	hypo	CHH	-0.0395
Gm04	13281032	13282019	Gmdrm	hypo	CHH	-0.0492
Gm04	13289075	13290065	Gmdrm	hypo	CHH	-0.022
Gm04	13290138	13291110	Gmdrm	hypo	CHH	-0.0288
Gm04	13291156	13292147	Gmdrm	hypo	CHH	-0.0159
Gm04	13292160	13293139	Gmdrm	hypo	CHH	-0.0253
Gm04	13293171	13294170	Gmdrm	hypo	CHH	-0.0497
Gm04	13339286	13340282	Gmdrm	hypo	CHH	-0.0309
Gm04	13369648	13369675	Gmdrm	hypo	CHH	-0.19
Gm04	13470845	13471303	Gmdrm	hypo	CHH	-0.0518
Gm04	13494977	13495976	Gmdrm	hypo	CHH	-0.0419
Gm04	13536619	13537597	Gmdrm	hypo	CHH	-0.0193
Gm04	13591399	13592389	Gmdrm	hypo	CHH	-0.1711
Gm04	13593415	13594409	Gmdrm	hypo	CHH	-0.0185
Gm04	13613769	13614763	Gmdrm	hypo	CHH	-0.0323

Gm04	13617351	13618306	Gmdrm	hypo	CHH	-0.203
Gm04	13753028	13753461	Gmdrm	hypo	CHH	-0.0562
Gm04	13765031	13766018	Gmdrm	hypo	CHH	-0.0341
Gm04	13772656	13773645	Gmdrm	hypo	CHH	-0.0414
Gm04	13836892	13837890	Gmdrm	hypo	CHH	-0.1242
Gm04	13837900	13837940	Gmdrm	hypo	CHH	-0.5121
Gm04	13838324	13838432	Gmdrm	hypo	CHH	-0.1888
Gm04	13843310	13844301	Gmdrm	hypo	CHH	-0.0317
Gm04	13880310	13881310	Gmdrm	hypo	CHH	-0.0215
Gm04	13884746	13885737	Gmdrm	hypo	CHH	-0.111
Gm04	13885749	13886745	Gmdrm	hypo	CHH	-0.1808
Gm04	13886756	13887755	Gmdrm	hypo	CHH	-0.0536
Gm04	13889800	13890788	Gmdrm	hypo	CHH	-0.0338
Gm04	13894470	13895461	Gmdrm	hypo	CHH	-0.0193
Gm04	13895473	13896463	Gmdrm	hypo	CHH	-0.0709
Gm04	13915588	13916560	Gmdrm	hypo	CHH	-0.0278
Gm04	13916590	13916827	Gmdrm	hypo	CHH	-0.0858
Gm04	13916958	13917838	Gmdrm	hypo	CHH	-0.0352
Gm04	13918897	13919895	Gmdrm	hypo	CHH	-0.015
Gm04	13920901	13921901	Gmdrm	hypo	CHH	-0.0508
Gm04	13936035	13937035	Gmdrm	hypo	CHH	-0.0528
Gm04	13937041	13938030	Gmdrm	hypo	CHH	-0.0354
Gm04	13941296	13941911	Gmdrm	hypo	CHH	-0.0312
Gm04	13946646	13947640	Gmdrm	hypo	CHH	-0.0806
Gm04	13947657	13948655	Gmdrm	hypo	CHH	-0.0907
Gm04	13960607	13961604	Gmdrm	hypo	CHH	-0.0439
Gm04	13961610	13962601	Gmdrm	hypo	CHH	-0.0338
Gm04	14220608	14220767	Gmdrm	hypo	CHH	-0.2962
Gm04	14299054	14300054	Gmdrm	hypo	CHH	-0.0141
Gm04	14300062	14301062	Gmdrm	hypo	CHH	-0.0328
Gm04	14305093	14306088	Gmdrm	hypo	CHH	-0.0449
Gm04	14325120	14326118	Gmdrm	hypo	CHH	-0.0207
Gm04	14329695	14330695	Gmdrm	hypo	CHH	-0.0752
Gm04	14330699	14331321	Gmdrm	hypo	CHH	-0.0566
Gm04	14364910	14365891	Gmdrm	hypo	CHH	-0.0346
Gm04	14452227	14453225	Gmdrm	hypo	CHH	-0.0221
Gm04	14453229	14454213	Gmdrm	hypo	CHH	-0.0264
Gm04	14479261	14480243	Gmdrm	hypo	CHH	-0.0626
Gm04	14620407	14621397	Gmdrm	hypo	CHH	-0.0419
Gm04	14649258	14650106	Gmdrm	hypo	CHH	-0.0222
Gm04	14653226	14654218	Gmdrm	hypo	CHH	-0.0256
Gm04	14731863	14732845	Gmdrm	hypo	CHH	-0.0723
Gm04	14757580	14758580	Gmdrm	hypo	CHH	-0.0507
Gm04	14758581	14759577	Gmdrm	hypo	CHH	-0.1435
Gm04	14759595	14760569	Gmdrm	hypo	CHH	-0.2789
Gm04	14766376	14767374	Gmdrm	hypo	CHH	-0.0545

Gm04	14767381	14768378	Gmdrm	hypo	CHH	-0.0545
Gm04	14768383	14769378	Gmdrm	hypo	CHH	-0.0644
Gm04	14769401	14770395	Gmdrm	hypo	CHH	-0.0292
Gm04	14770403	14771378	Gmdrm	hypo	CHH	-0.0325
Gm04	14771967	14772363	Gmdrm	hypo	CHH	-0.0523
Gm04	14774766	14775752	Gmdrm	hypo	CHH	-0.0557
Gm04	14779895	14780887	Gmdrm	hypo	CHH	-0.032
Gm04	14780896	14781893	Gmdrm	hypo	CHH	-0.0263
Gm04	14792575	14793560	Gmdrm	hypo	CHH	-0.1262
Gm04	14810624	14811620	Gmdrm	hypo	CHH	-0.0242
Gm04	14811657	14812616	Gmdrm	hypo	CHH	-0.0308
Gm04	14823745	14824741	Gmdrm	hypo	CHH	-0.0239
Gm04	14858589	14859420	Gmdrm	hypo	CHH	-0.0205
Gm04	14863075	14864071	Gmdrm	hypo	CHH	-0.0446
Gm04	14880821	14881818	Gmdrm	hypo	CHH	-0.0312
Gm04	14881891	14882632	Gmdrm	hypo	CHH	-0.0436
Gm04	14882780	14883779	Gmdrm	hypo	CHH	-0.0504
Gm04	14890045	14891015	Gmdrm	hypo	CHH	-0.145
Gm04	14900762	14901756	Gmdrm	hypo	CHH	-0.0253
Gm04	14903387	14903674	Gmdrm	hypo	CHH	-0.0644
Gm04	14903778	14904274	Gmdrm	hypo	CHH	-0.0525
Gm04	14913425	14914424	Gmdrm	hypo	CHH	-0.0232
Gm04	14964670	14965624	Gmdrm	hypo	CHH	-0.02
Gm04	14965681	14966677	Gmdrm	hypo	CHH	-0.0415
Gm04	14967072	14968066	Gmdrm	hypo	CHH	-0.0458
Gm04	14991855	14992615	Gmdrm	hypo	CHH	-0.0351
Gm04	14998634	14999595	Gmdrm	hypo	CHH	-0.0136
Gm04	15001655	15002649	Gmdrm	hypo	CHH	-0.0598
Gm04	15072716	15073705	Gmdrm	hypo	CHH	-0.0209
Gm04	15074725	15075725	Gmdrm	hypo	CHH	-0.066
Gm04	15082307	15083286	Gmdrm	hypo	CHH	-0.0189
Gm04	15131308	15132272	Gmdrm	hypo	CHH	-0.0786
Gm04	15132338	15132493	Gmdrm	hypo	CHH	-0.0507
Gm04	15132665	15133651	Gmdrm	hypo	CHH	-0.0817
Gm04	15137298	15138293	Gmdrm	hypo	CHH	-0.0172
Gm04	15140845	15141837	Gmdrm	hypo	CHH	-0.0291
Gm04	15144811	15145766	Gmdrm	hypo	CHH	-0.0205
Gm04	15150283	15151283	Gmdrm	hypo	CHH	-0.042
Gm04	15151299	15152232	Gmdrm	hypo	CHH	-0.073
Gm04	15157526	15158523	Gmdrm	hypo	CHH	-0.0357
Gm04	15158547	15158949	Gmdrm	hypo	CHH	-0.1408
Gm04	15160129	15161039	Gmdrm	hypo	CHH	-0.0172
Gm04	15161138	15162121	Gmdrm	hypo	CHH	-0.0175
Gm04	15169555	15170395	Gmdrm	hypo	CHH	-0.0464
Gm04	15184184	15185181	Gmdrm	hypo	CHH	-0.0653
Gm04	15213247	15214233	Gmdrm	hypo	CHH	-0.0521

Gm04	15218329	15219326	Gmdrm	hypo	CHH	-0.0191
Gm04	15220224	15221186	Gmdrm	hypo	CHH	-0.0219
Gm04	15230247	15231247	Gmdrm	hypo	CHH	-0.0509
Gm04	15240399	15241399	Gmdrm	hypo	CHH	-0.0212
Gm04	15243519	15244290	Gmdrm	hypo	CHH	-0.0151
Gm04	15244418	15245409	Gmdrm	hypo	CHH	-0.0165
Gm04	15264568	15265353	Gmdrm	hypo	CHH	-0.0305
Gm04	15304200	15304808	Gmdrm	hypo	CHH	-0.0557
Gm04	15305000	15305999	Gmdrm	hypo	CHH	-0.0219
Gm04	15386909	15387075	Gmdrm	hypo	CHH	-0.03
Gm04	15400346	15401344	Gmdrm	hypo	CHH	-0.0166
Gm04	15401347	15402346	Gmdrm	hypo	CHH	-0.0322
Gm04	15403408	15404380	Gmdrm	hypo	CHH	-0.0245
Gm04	15426057	15427048	Gmdrm	hypo	CHH	-0.0172
Gm04	15432210	15432732	Gmdrm	hypo	CHH	-0.1679
Gm04	15504564	15504755	Gmdrm	hypo	CHH	-0.1355
Gm04	15506355	15506842	Gmdrm	hypo	CHH	-0.0345
Gm04	15508796	15509751	Gmdrm	hypo	CHH	-0.043
Gm04	15510191	15510389	Gmdrm	hypo	CHH	-0.0356
Gm04	15512552	15513547	Gmdrm	hypo	CHH	-0.0543
Gm04	15513561	15514521	Gmdrm	hypo	CHH	-0.0644
Gm04	15514676	15515676	Gmdrm	hypo	CHH	-0.0582
Gm04	15515682	15516643	Gmdrm	hypo	CHH	-0.0761
Gm04	15527945	15528691	Gmdrm	hypo	CHH	-0.3263
Gm04	15529180	15530180	Gmdrm	hypo	CHH	-0.1876
Gm04	15530185	15530478	Gmdrm	hypo	CHH	-0.0253
Gm04	15534119	15535113	Gmdrm	hypo	CHH	-0.0414
Gm04	15546085	15547084	Gmdrm	hypo	CHH	-0.0332
Gm04	15547090	15547558	Gmdrm	hypo	CHH	-0.0802
Gm04	15552315	15553281	Gmdrm	hypo	CHH	-0.0272
Gm04	15560064	15560380	Gmdrm	hypo	CHH	-0.0958
Gm04	15612929	15613907	Gmdrm	hypo	CHH	-0.0384
Gm04	15614181	15615179	Gmdrm	hypo	CHH	-0.0598
Gm04	15658235	15659211	Gmdrm	hypo	CHH	-0.0159
Gm04	15682374	15683370	Gmdrm	hypo	CHH	-0.0278
Gm04	15767087	15768079	Gmdrm	hypo	CHH	-0.039
Gm04	15779138	15779580	Gmdrm	hypo	CHH	-0.0747
Gm04	15779744	15780741	Gmdrm	hypo	CHH	-0.0698
Gm04	15792572	15793544	Gmdrm	hypo	CHH	-0.0228
Gm04	15793576	15794570	Gmdrm	hypo	CHH	-0.0368
Gm04	15810553	15811551	Gmdrm	hypo	CHH	-0.117
Gm04	15818955	15819955	Gmdrm	hypo	CHH	-0.0848
Gm04	15821797	15822785	Gmdrm	hypo	CHH	-0.0302
Gm04	15850813	15851813	Gmdrm	hypo	CHH	-0.0156
Gm04	15865493	15866471	Gmdrm	hypo	CHH	-0.1537
Gm04	15866502	15867496	Gmdrm	hypo	CHH	-0.0766

Gm04	15867508	15868497	Gmdrm	hypo	CHH	-0.0754
Gm04	15870542	15871531	Gmdrm	hypo	CHH	-0.0144
Gm04	15881509	15882506	Gmdrm	hypo	CHH	-0.0534
Gm04	15967548	15967690	Gmdrm	hypo	CHH	-0.0425
Gm04	16057020	16058010	Gmdrm	hypo	CHH	-0.0597
Gm04	16137583	16138576	Gmdrm	hypo	CHH	-0.0499
Gm04	16169881	16170881	Gmdrm	hypo	CHH	-0.0196
Gm04	16197551	16198533	Gmdrm	hypo	CHH	-0.0145
Gm04	16206756	16207156	Gmdrm	hypo	CHH	-0.068
Gm04	16224470	16225303	Gmdrm	hypo	CHH	-0.0271
Gm04	16268965	16269065	Gmdrm	hypo	CHH	-0.0575
Gm04	16269803	16270797	Gmdrm	hypo	CHH	-0.0279
Gm04	16270808	16271808	Gmdrm	hypo	CHH	-0.0151
Gm04	16287988	16288947	Gmdrm	hypo	CHH	-0.043
Gm04	16291605	16292559	Gmdrm	hypo	CHH	-0.0214
Gm04	16292628	16293625	Gmdrm	hypo	CHH	-0.1076
Gm04	16395486	16396458	Gmdrm	hypo	CHH	-0.1206
Gm04	16402424	16403398	Gmdrm	hypo	CHH	-0.032
Gm04	16405146	16406145	Gmdrm	hypo	CHH	-0.1748
Gm04	16431613	16432613	Gmdrm	hypo	CHH	-0.0504
Gm04	16432614	16432698	Gmdrm	hypo	CHH	-0.1787
Gm04	16458774	16459041	Gmdrm	hypo	CHH	-0.1285
Gm04	16497437	16498421	Gmdrm	hypo	CHH	-0.0428
Gm04	16498449	16498684	Gmdrm	hypo	CHH	-0.045
Gm04	16500098	16500172	Gmdrm	hypo	CHH	-0.046
Gm04	16628815	16629097	Gmdrm	hypo	CHH	-0.0848
Gm04	16650443	16651422	Gmdrm	hypo	CHH	-0.0337
Gm04	16653387	16654383	Gmdrm	hypo	CHH	-0.0174
Gm04	16655393	16656392	Gmdrm	hypo	CHH	-0.0618
Gm04	16656396	16657393	Gmdrm	hypo	CHH	-0.0907
Gm04	16802054	16803047	Gmdrm	hypo	CHH	-0.0522
Gm04	16807103	16808083	Gmdrm	hypo	CHH	-0.0188
Gm04	16842694	16842791	Gmdrm	hypo	CHH	-0.0621
Gm04	16844457	16845455	Gmdrm	hypo	CHH	-0.1279
Gm04	16846473	16847451	Gmdrm	hypo	CHH	-0.029
Gm04	16847503	16848483	Gmdrm	hypo	CHH	-0.0532
Gm04	16885632	16886628	Gmdrm	hypo	CHH	-0.0166
Gm04	16905226	16906207	Gmdrm	hypo	CHH	-0.0305
Gm04	16907984	16908977	Gmdrm	hypo	CHH	-0.1488
Gm04	16908987	16909679	Gmdrm	hypo	CHH	-0.1908
Gm04	16910012	16911009	Gmdrm	hypo	CHH	-0.0236
Gm04	16911013	16911975	Gmdrm	hypo	CHH	-0.0243
Gm04	16913988	16914975	Gmdrm	hypo	CHH	-0.159
Gm04	16952252	16952383	Gmdrm	hypo	CHH	-0.1094
Gm04	16959069	16959746	Gmdrm	hypo	CHH	-0.0355
Gm04	16965117	16966115	Gmdrm	hypo	CHH	-0.0409

Gm04	17050483	17051480	Gmdrm	hypo	CHH	-0.0375
Gm04	17051484	17052483	Gmdrm	hypo	CHH	-0.044
Gm04	17052490	17053373	Gmdrm	hypo	CHH	-0.021
Gm04	17053499	17054490	Gmdrm	hypo	CHH	-0.1003
Gm04	17061443	17062068	Gmdrm	hypo	CHH	-0.0218
Gm04	17063340	17064340	Gmdrm	hypo	CHH	-0.0674
Gm04	17064342	17065337	Gmdrm	hypo	CHH	-0.0714
Gm04	17089775	17090766	Gmdrm	hypo	CHH	-0.1044
Gm04	17090776	17091776	Gmdrm	hypo	CHH	-0.0465
Gm04	17107524	17108520	Gmdrm	hypo	CHH	-0.0344
Gm04	17115162	17116162	Gmdrm	hypo	CHH	-0.0409
Gm04	17116166	17117162	Gmdrm	hypo	CHH	-0.0345
Gm04	17119821	17120786	Gmdrm	hypo	CHH	-0.0119
Gm04	17120826	17121511	Gmdrm	hypo	CHH	-0.0205
Gm04	17123491	17124484	Gmdrm	hypo	CHH	-0.1992
Gm04	17129797	17130787	Gmdrm	hypo	CHH	-0.0414
Gm04	17174404	17175350	Gmdrm	hypo	CHH	-0.031
Gm04	17177552	17178156	Gmdrm	hypo	CHH	-0.0273
Gm04	17189117	17190112	Gmdrm	hypo	CHH	-0.1657
Gm04	17190118	17190773	Gmdrm	hypo	CHH	-0.0528
Gm04	17205074	17206070	Gmdrm	hypo	CHH	-0.0811
Gm04	17206079	17207060	Gmdrm	hypo	CHH	-0.0721
Gm04	17244528	17245514	Gmdrm	hypo	CHH	-0.0515
Gm04	17250662	17251266	Gmdrm	hypo	CHH	-0.0654
Gm04	17254686	17255682	Gmdrm	hypo	CHH	-0.0469
Gm04	17278672	17279663	Gmdrm	hypo	CHH	-0.0621
Gm04	17284294	17285282	Gmdrm	hypo	CHH	-0.0413
Gm04	17285304	17286222	Gmdrm	hypo	CHH	-0.0448
Gm04	17288959	17289959	Gmdrm	hypo	CHH	-0.0332
Gm04	17293478	17294328	Gmdrm	hypo	CHH	-0.0206
Gm04	17296473	17297465	Gmdrm	hypo	CHH	-0.0231
Gm04	17333688	17334638	Gmdrm	hypo	CHH	-0.0231
Gm04	17336966	17337811	Gmdrm	hypo	CHH	-0.0209
Gm04	17340027	17340076	Gmdrm	hypo	CHH	-0.17
Gm04	17345960	17346930	Gmdrm	hypo	CHH	-0.0305
Gm04	17353844	17354529	Gmdrm	hypo	CHH	-0.1028
Gm04	17363865	17364831	Gmdrm	hypo	CHH	-0.0516
Gm04	17371178	17372176	Gmdrm	hypo	CHH	-0.0569
Gm04	17372187	17373154	Gmdrm	hypo	CHH	-0.0374
Gm04	17377876	17378875	Gmdrm	hypo	CHH	-0.0787
Gm04	17378881	17379862	Gmdrm	hypo	CHH	-0.0903
Gm04	17379916	17380892	Gmdrm	hypo	CHH	-0.11
Gm04	17438201	17438556	Gmdrm	hypo	CHH	-0.0247
Gm04	17445872	17446857	Gmdrm	hypo	CHH	-0.0392
Gm04	17451258	17452021	Gmdrm	hypo	CHH	-0.105
Gm04	17456999	17457985	Gmdrm	hypo	CHH	-0.0554

Gm04	17458009	17459007	Gmdrm	hypo	CHH	-0.0342
Gm04	17460595	17460833	Gmdrm	hypo	CHH	-0.123
Gm04	17476417	17477403	Gmdrm	hypo	CHH	-0.0284
Gm04	17532728	17533454	Gmdrm	hypo	CHH	-0.0837
Gm04	17539219	17540189	Gmdrm	hypo	CHH	-0.011
Gm04	17545905	17546886	Gmdrm	hypo	CHH	-0.0955
Gm04	17547398	17547755	Gmdrm	hypo	CHH	-0.1546
Gm04	17637852	17638533	Gmdrm	hypo	CHH	-0.0288
Gm04	17646233	17647232	Gmdrm	hypo	CHH	-0.0811
Gm04	17692639	17693629	Gmdrm	hypo	CHH	-0.0229
Gm04	17715915	17715978	Gmdrm	hypo	CHH	-0.0614
Gm04	17720104	17721102	Gmdrm	hypo	CHH	-0.077
Gm04	17724517	17725514	Gmdrm	hypo	CHH	-0.1976
Gm04	17725520	17726520	Gmdrm	hypo	CHH	-0.0401
Gm04	17744241	17745230	Gmdrm	hypo	CHH	-0.0723
Gm04	17745270	17745506	Gmdrm	hypo	CHH	-0.194
Gm04	17745859	17746859	Gmdrm	hypo	CHH	-0.2557
Gm04	17746861	17746936	Gmdrm	hypo	CHH	-0.2389
Gm04	17747038	17748038	Gmdrm	hypo	CHH	-0.0736
Gm04	17748041	17748988	Gmdrm	hypo	CHH	-0.0185
Gm04	17752155	17753145	Gmdrm	hypo	CHH	-0.0965
Gm04	17757210	17758206	Gmdrm	hypo	CHH	-0.0607
Gm04	17759237	17760155	Gmdrm	hypo	CHH	-0.054
Gm04	17760706	17761623	Gmdrm	hypo	CHH	-0.0228
Gm04	17784234	17785228	Gmdrm	hypo	CHH	-0.1044
Gm04	17786284	17787282	Gmdrm	hypo	CHH	-0.0302
Gm04	17787286	17787649	Gmdrm	hypo	CHH	-0.0667
Gm04	17828254	17829254	Gmdrm	hypo	CHH	-0.1467
Gm04	17829255	17830240	Gmdrm	hypo	CHH	-0.0664
Gm04	17833279	17834270	Gmdrm	hypo	CHH	-0.022
Gm04	17834280	17835247	Gmdrm	hypo	CHH	-0.1712
Gm04	17931916	17932245	Gmdrm	hypo	CHH	-0.1747
Gm04	17944867	17945865	Gmdrm	hypo	CHH	-0.0868
Gm04	17945869	17946850	Gmdrm	hypo	CHH	-0.1013
Gm04	17953658	17954121	Gmdrm	hypo	CHH	-0.3232
Gm04	17954309	17955297	Gmdrm	hypo	CHH	-0.1102
Gm04	17956362	17957352	Gmdrm	hypo	CHH	-0.0166
Gm04	17957367	17958353	Gmdrm	hypo	CHH	-0.0184
Gm04	18009586	18010063	Gmdrm	hypo	CHH	-0.0827
Gm04	18010296	18011289	Gmdrm	hypo	CHH	-0.0447
Gm04	18019459	18020452	Gmdrm	hypo	CHH	-0.0245
Gm04	18030058	18031023	Gmdrm	hypo	CHH	-0.0315
Gm04	18032101	18033066	Gmdrm	hypo	CHH	-0.0109
Gm04	18058257	18058794	Gmdrm	hypo	CHH	-0.0156
Gm04	18090523	18091518	Gmdrm	hypo	CHH	-0.0439
Gm04	18148225	18149216	Gmdrm	hypo	CHH	-0.1286

Gm04	18149239	18150214	Gmdrm	hypo	CHH	-0.1053
Gm04	18150243	18151243	Gmdrm	hypo	CHH	-0.1208
Gm04	18151249	18152245	Gmdrm	hypo	CHH	-0.0708
Gm04	18217246	18218246	Gmdrm	hypo	CHH	-0.1139
Gm04	18222289	18223268	Gmdrm	hypo	CHH	-0.0616
Gm04	18228656	18229651	Gmdrm	hypo	CHH	-0.0399
Gm04	18229665	18230632	Gmdrm	hypo	CHH	-0.0921
Gm04	18232875	18233870	Gmdrm	hypo	CHH	-0.0203
Gm04	18236056	18237043	Gmdrm	hypo	CHH	-0.1738
Gm04	18245591	18246590	Gmdrm	hypo	CHH	-0.073
Gm04	18254318	18255318	Gmdrm	hypo	CHH	-0.0743
Gm04	18255325	18256319	Gmdrm	hypo	CHH	-0.1265
Gm04	18256351	18257349	Gmdrm	hypo	CHH	-0.1987
Gm04	18257375	18258367	Gmdrm	hypo	CHH	-0.1038
Gm04	18268878	18269858	Gmdrm	hypo	CHH	-0.0363
Gm04	18335916	18336916	Gmdrm	hypo	CHH	-0.0841
Gm04	18469684	18470665	Gmdrm	hypo	CHH	-0.0268
Gm04	18497176	18498172	Gmdrm	hypo	CHH	-0.1099
Gm04	18498187	18499183	Gmdrm	hypo	CHH	-0.0158
Gm04	18500236	18501234	Gmdrm	hypo	CHH	-0.0397
Gm04	18501243	18502242	Gmdrm	hypo	CHH	-0.0401
Gm04	18503752	18504748	Gmdrm	hypo	CHH	-0.0195
Gm04	18558903	18559900	Gmdrm	hypo	CHH	-0.0243
Gm04	18560920	18561917	Gmdrm	hypo	CHH	-0.0365
Gm04	18561923	18562915	Gmdrm	hypo	CHH	-0.02
Gm04	18562976	18563973	Gmdrm	hypo	CHH	-0.0966
Gm04	18572056	18572678	Gmdrm	hypo	CHH	-0.1129
Gm04	18572780	18573402	Gmdrm	hypo	CHH	-0.0716
Gm04	18600921	18601913	Gmdrm	hypo	CHH	-0.0181
Gm04	18601932	18602926	Gmdrm	hypo	CHH	-0.0314
Gm04	18603100	18604100	Gmdrm	hypo	CHH	-0.065
Gm04	18604102	18605001	Gmdrm	hypo	CHH	-0.0152
Gm04	18610714	18611694	Gmdrm	hypo	CHH	-0.1082
Gm04	18672867	18673616	Gmdrm	hypo	CHH	-0.021
Gm04	18674200	18675164	Gmdrm	hypo	CHH	-0.3719
Gm04	18680161	18680563	Gmdrm	hypo	CHH	-0.2453
Gm04	18692056	18693026	Gmdrm	hypo	CHH	-0.1037
Gm04	18946707	18946918	Gmdrm	hypo	CHH	-0.0275
Gm04	18950126	18951094	Gmdrm	hypo	CHH	-0.1473
Gm04	18962960	18963959	Gmdrm	hypo	CHH	-0.058
Gm04	18992451	18993446	Gmdrm	hypo	CHH	-0.0282
Gm04	19204566	19205556	Gmdrm	hypo	CHH	-0.0205
Gm04	19208825	19209813	Gmdrm	hypo	CHH	-0.0743
Gm04	19224723	19225697	Gmdrm	hypo	CHH	-0.0643
Gm04	19227812	19228639	Gmdrm	hypo	CHH	-0.0154
Gm04	19229884	19230790	Gmdrm	hypo	CHH	-0.1365

Gm04	19250577	19251420	Gmdrm	hypo	CHH	-0.0292
Gm04	19259703	19260701	Gmdrm	hypo	CHH	-0.1527
Gm04	19268288	19269283	Gmdrm	hypo	CHH	-0.0284
Gm04	19275370	19276332	Gmdrm	hypo	CHH	-0.0504
Gm04	19282880	19283106	Gmdrm	hypo	CHH	-0.0583
Gm04	19289529	19290520	Gmdrm	hypo	CHH	-0.0494
Gm04	19290546	19290757	Gmdrm	hypo	CHH	-0.0287
Gm04	19294814	19295778	Gmdrm	hypo	CHH	-0.0413
Gm04	19325181	19326171	Gmdrm	hypo	CHH	-0.0575
Gm04	19329646	19330639	Gmdrm	hypo	CHH	-0.0402
Gm04	19330648	19331635	Gmdrm	hypo	CHH	-0.0385
Gm04	19350297	19351296	Gmdrm	hypo	CHH	-0.0649
Gm04	19356344	19356869	Gmdrm	hypo	CHH	-0.0947
Gm04	19358776	19359768	Gmdrm	hypo	CHH	-0.0165
Gm04	19371857	19372853	Gmdrm	hypo	CHH	-0.015
Gm04	19374910	19375901	Gmdrm	hypo	CHH	-0.124
Gm04	19412422	19413420	Gmdrm	hypo	CHH	-0.0465
Gm04	19413424	19414423	Gmdrm	hypo	CHH	-0.0508
Gm04	19415685	19416240	Gmdrm	hypo	CHH	-0.0939
Gm04	19416349	19417344	Gmdrm	hypo	CHH	-0.033
Gm04	19417358	19418140	Gmdrm	hypo	CHH	-0.0589
Gm04	19418490	19419489	Gmdrm	hypo	CHH	-0.0688
Gm04	19419492	19420488	Gmdrm	hypo	CHH	-0.0347
Gm04	19424028	19425017	Gmdrm	hypo	CHH	-0.0326
Gm04	19426050	19427049	Gmdrm	hypo	CHH	-0.0339
Gm04	19447609	19447670	Gmdrm	hypo	CHH	-0.0614
Gm04	19452383	19453377	Gmdrm	hypo	CHH	-0.1168
Gm04	19455343	19456315	Gmdrm	hypo	CHH	-0.0196
Gm04	19458753	19459743	Gmdrm	hypo	CHH	-0.0742
Gm04	19459912	19460900	Gmdrm	hypo	CHH	-0.0584
Gm04	19466791	19467773	Gmdrm	hypo	CHH	-0.018
Gm04	19537310	19538310	Gmdrm	hypo	CHH	-0.0182
Gm04	19572695	19573693	Gmdrm	hypo	CHH	-0.0584
Gm04	19628264	19629239	Gmdrm	hypo	CHH	-0.0375
Gm04	19640543	19641537	Gmdrm	hypo	CHH	-0.0206
Gm04	19641609	19641743	Gmdrm	hypo	CHH	-0.03
Gm04	19643972	19644964	Gmdrm	hypo	CHH	-0.134
Gm04	19835355	19835465	Gmdrm	hypo	CHH	-0.1475
Gm04	19876849	19876963	Gmdrm	hypo	CHH	-0.2777
Gm04	19953739	19954738	Gmdrm	hypo	CHH	-0.0723
Gm04	19954740	19955555	Gmdrm	hypo	CHH	-0.0643
Gm04	19955932	19956187	Gmdrm	hypo	CHH	-0.1858
Gm04	19957346	19958339	Gmdrm	hypo	CHH	-0.2546
Gm04	19958349	19959340	Gmdrm	hypo	CHH	-0.0229
Gm04	19976467	19977421	Gmdrm	hypo	CHH	-0.0405
Gm04	19980349	19981348	Gmdrm	hypo	CHH	-0.0597

Gm04	19981361	19982350	Gmdrm	hypo	CHH	-0.0723
Gm04	20022891	20023078	Gmdrm	hypo	CHH	-0.0877
Gm04	20112584	20112699	Gmdrm	hypo	CHH	-0.1263
Gm04	20140805	20141799	Gmdrm	hypo	CHH	-0.0534
Gm04	20141819	20142782	Gmdrm	hypo	CHH	-0.0758
Gm04	20147201	20148175	Gmdrm	hypo	CHH	-0.0526
Gm04	20149609	20150605	Gmdrm	hypo	CHH	-0.0141
Gm04	20211706	20212695	Gmdrm	hypo	CHH	-0.0633
Gm04	20354132	20354356	Gmdrm	hypo	CHH	-0.1292
Gm04	20425172	20426170	Gmdrm	hypo	CHH	-0.0432
Gm04	20426173	20427173	Gmdrm	hypo	CHH	-0.0613
Gm04	20442454	20443254	Gmdrm	hypo	CHH	-0.0178
Gm04	20447091	20448088	Gmdrm	hypo	CHH	-0.0154
Gm04	20449105	20450100	Gmdrm	hypo	CHH	-0.0819
Gm04	20469283	20470281	Gmdrm	hypo	CHH	-0.0343
Gm04	20470287	20471276	Gmdrm	hypo	CHH	-0.0508
Gm04	20477546	20478537	Gmdrm	hypo	CHH	-0.0263
Gm04	20554385	20555384	Gmdrm	hypo	CHH	-0.0247
Gm04	20570166	20571151	Gmdrm	hypo	CHH	-0.071
Gm04	20575062	20576061	Gmdrm	hypo	CHH	-0.1263
Gm04	20599903	20599967	Gmdrm	hypo	CHH	-0.1567
Gm04	20604186	20605180	Gmdrm	hypo	CHH	-0.0574
Gm04	20699835	20700434	Gmdrm	hypo	CHH	-0.0863
Gm04	20700538	20700925	Gmdrm	hypo	CHH	-0.0479
Gm04	20701109	20701466	Gmdrm	hypo	CHH	-0.0278
Gm04	20787323	20788315	Gmdrm	hypo	CHH	-0.0414
Gm04	20788334	20789315	Gmdrm	hypo	CHH	-0.0219
Gm04	20830417	20831397	Gmdrm	hypo	CHH	-0.0458
Gm04	20831429	20832354	Gmdrm	hypo	CHH	-0.0786
Gm04	20835814	20836812	Gmdrm	hypo	CHH	-0.0575
Gm04	21065103	21066051	Gmdrm	hypo	CHH	-0.0344
Gm04	21087395	21088011	Gmdrm	hypo	CHH	-0.0352
Gm04	21178419	21178718	Gmdrm	hypo	CHH	-0.1481
Gm04	21249493	21249517	Gmdrm	hypo	CHH	-0.268
Gm04	21349611	21350584	Gmdrm	hypo	CHH	-0.0537
Gm04	21405163	21405253	Gmdrm	hypo	CHH	-0.1164
Gm04	21499486	21499872	Gmdrm	hypo	CHH	-0.0666
Gm04	21505114	21506074	Gmdrm	hypo	CHH	-0.0769
Gm04	21506503	21507488	Gmdrm	hypo	CHH	-0.0665
Gm04	21520956	21521604	Gmdrm	hypo	CHH	-0.1507
Gm04	21521708	21522708	Gmdrm	hypo	CHH	-0.1626
Gm04	21522717	21523716	Gmdrm	hypo	CHH	-0.0334
Gm04	21523721	21524717	Gmdrm	hypo	CHH	-0.1467
Gm04	21524751	21525746	Gmdrm	hypo	CHH	-0.0172
Gm04	21525759	21526759	Gmdrm	hypo	CHH	-0.0304
Gm04	21580293	21581292	Gmdrm	hypo	CHH	-0.0192

Gm04	21582109	21583109	Gmdrm	hypo	CHH	-0.149
Gm04	21583111	21584111	Gmdrm	hypo	CHH	-0.0605
Gm04	21635804	21636121	Gmdrm	hypo	CHH	-0.0404
Gm04	21938629	21939603	Gmdrm	hypo	CHH	-0.02
Gm04	21991602	21992411	Gmdrm	hypo	CHH	-0.0648
Gm04	21998784	21999782	Gmdrm	hypo	CHH	-0.0148
Gm04	22000830	22001823	Gmdrm	hypo	CHH	-0.0541
Gm04	22476486	22477485	Gmdrm	hypo	CHH	-0.0347
Gm04	22484542	22484694	Gmdrm	hypo	CHH	-0.0344
Gm04	22692605	22693156	Gmdrm	hypo	CHH	-0.0609
Gm04	22711475	22712473	Gmdrm	hypo	CHH	-0.021
Gm04	22712489	22713485	Gmdrm	hypo	CHH	-0.081
Gm04	22726277	22727277	Gmdrm	hypo	CHH	-0.0864
Gm04	22744555	22745541	Gmdrm	hypo	CHH	-0.0329
Gm04	22745923	22746912	Gmdrm	hypo	CHH	-0.0279
Gm04	22748336	22749331	Gmdrm	hypo	CHH	-0.0487
Gm04	22760512	22761478	Gmdrm	hypo	CHH	-0.0752
Gm04	22764484	22765480	Gmdrm	hypo	CHH	-0.0436
Gm04	22765488	22766480	Gmdrm	hypo	CHH	-0.0618
Gm04	22782596	22783585	Gmdrm	hypo	CHH	-0.0571
Gm04	22784558	22785546	Gmdrm	hypo	CHH	-0.0213
Gm04	22785706	22786683	Gmdrm	hypo	CHH	-0.107
Gm04	22835970	22836947	Gmdrm	hypo	CHH	-0.0695
Gm04	22885045	22885993	Gmdrm	hypo	CHH	-0.0538
Gm04	22924218	22925216	Gmdrm	hypo	CHH	-0.0241
Gm04	22954146	22955145	Gmdrm	hypo	CHH	-0.0479
Gm04	23068017	23069013	Gmdrm	hypo	CHH	-0.0482
Gm04	23069021	23069993	Gmdrm	hypo	CHH	-0.0364
Gm04	23071299	23071678	Gmdrm	hypo	CHH	-0.0205
Gm04	23271261	23272261	Gmdrm	hypo	CHH	-0.0582
Gm04	23272266	23273218	Gmdrm	hypo	CHH	-0.0211
Gm04	23278166	23279150	Gmdrm	hypo	CHH	-0.0496
Gm04	23279170	23280031	Gmdrm	hypo	CHH	-0.0892
Gm04	23282157	23283150	Gmdrm	hypo	CHH	-0.0622
Gm04	23315955	23316748	Gmdrm	hypo	CHH	-0.0985
Gm04	23394767	23395743	Gmdrm	hypo	CHH	-0.0506
Gm04	23951698	23952681	Gmdrm	hypo	CHH	-0.0177
Gm04	23952702	23952810	Gmdrm	hypo	CHH	-0.0586
Gm04	23952913	23953893	Gmdrm	hypo	CHH	-0.0185
Gm04	24039281	24040276	Gmdrm	hypo	CHH	-0.0413
Gm04	24316208	24317207	Gmdrm	hypo	CHH	-0.0541
Gm04	24335627	24336218	Gmdrm	hypo	CHH	-0.053
Gm04	24337244	24338208	Gmdrm	hypo	CHH	-0.013
Gm04	24339404	24340403	Gmdrm	hypo	CHH	-0.0394
Gm04	24390008	24390389	Gmdrm	hypo	CHH	-0.0646
Gm04	24392513	24393489	Gmdrm	hypo	CHH	-0.0513

Gm04	24395970	24396967	Gmdrm	hypo	CHH	-0.0221
Gm04	24396972	24397941	Gmdrm	hypo	CHH	-0.0166
Gm04	24402025	24403025	Gmdrm	hypo	CHH	-0.0615
Gm04	24423332	24423910	Gmdrm	hypo	CHH	-0.0666
Gm04	24528478	24528522	Gmdrm	hypo	CHH	-0.2833
Gm04	24671663	24672643	Gmdrm	hypo	CHH	-0.034
Gm04	24680274	24681274	Gmdrm	hypo	CHH	-0.0337
Gm04	24798270	24799255	Gmdrm	hypo	CHH	-0.0465
Gm04	25034849	25035370	Gmdrm	hypo	CHH	-0.1059
Gm04	25106880	25106994	Gmdrm	hypo	CHH	-0.1472
Gm04	25138105	25139103	Gmdrm	hypo	CHH	-0.0279
Gm04	25151789	25152381	Gmdrm	hypo	CHH	-0.0409
Gm04	25159297	25160284	Gmdrm	hypo	CHH	-0.0162
Gm04	25162304	25163304	Gmdrm	hypo	CHH	-0.0559
Gm04	25165339	25166328	Gmdrm	hypo	CHH	-0.0268
Gm04	25169285	25170283	Gmdrm	hypo	CHH	-0.1565
Gm04	25171301	25172282	Gmdrm	hypo	CHH	-0.026
Gm04	25234118	25234706	Gmdrm	hypo	CHH	-0.1134
Gm04	25252998	25253865	Gmdrm	hypo	CHH	-0.0483
Gm04	25344933	25345933	Gmdrm	hypo	CHH	-0.0227
Gm04	25351632	25352602	Gmdrm	hypo	CHH	-0.0259
Gm04	25353649	25354627	Gmdrm	hypo	CHH	-0.0373
Gm04	25355692	25356691	Gmdrm	hypo	CHH	-0.0662
Gm04	25361127	25361876	Gmdrm	hypo	CHH	-0.0439
Gm04	25364062	25365025	Gmdrm	hypo	CHH	-0.022
Gm04	25366126	25367115	Gmdrm	hypo	CHH	-0.0429
Gm04	25393900	25394892	Gmdrm	hypo	CHH	-0.0216
Gm04	25395958	25396203	Gmdrm	hypo	CHH	-0.0684
Gm04	25396596	25397581	Gmdrm	hypo	CHH	-0.027
Gm04	25397997	25398124	Gmdrm	hypo	CHH	-0.054
Gm04	25401872	25402846	Gmdrm	hypo	CHH	-0.0296
Gm04	25404975	25405924	Gmdrm	hypo	CHH	-0.035
Gm04	25441468	25442467	Gmdrm	hypo	CHH	-0.0663
Gm04	25442478	25443363	Gmdrm	hypo	CHH	-0.0445
Gm04	25446850	25447847	Gmdrm	hypo	CHH	-0.0145
Gm04	25457470	25458450	Gmdrm	hypo	CHH	-0.071
Gm04	25534318	25535205	Gmdrm	hypo	CHH	-0.0302
Gm04	25537252	25537775	Gmdrm	hypo	CHH	-0.0259
Gm04	25572986	25573904	Gmdrm	hypo	CHH	-0.0865
Gm04	25579568	25580566	Gmdrm	hypo	CHH	-0.0983
Gm04	25586736	25587689	Gmdrm	hypo	CHH	-0.0798
Gm04	25591055	25591421	Gmdrm	hypo	CHH	-0.0803
Gm04	25595921	25596632	Gmdrm	hypo	CHH	-0.0369
Gm04	25598355	25599352	Gmdrm	hypo	CHH	-0.0571
Gm04	25599360	25600346	Gmdrm	hypo	CHH	-0.0501
Gm04	25604401	25605396	Gmdrm	hypo	CHH	-0.0461

Gm04	25642916	25643916	Gmdrm	hypo	CHH	-0.0565
Gm04	25650051	25651045	Gmdrm	hypo	CHH	-0.0483
Gm04	25651056	25651327	Gmdrm	hypo	CHH	-0.0707
Gm04	25657675	25658672	Gmdrm	hypo	CHH	-0.0604
Gm04	25658683	25659677	Gmdrm	hypo	CHH	-0.0549
Gm04	25717912	25718898	Gmdrm	hypo	CHH	-0.142
Gm04	25729469	25730463	Gmdrm	hypo	CHH	-0.0322
Gm04	25731755	25732751	Gmdrm	hypo	CHH	-0.0484
Gm04	25763588	25764536	Gmdrm	hypo	CHH	-0.0485
Gm04	25767694	25768396	Gmdrm	hypo	CHH	-0.0454
Gm04	25771410	25772406	Gmdrm	hypo	CHH	-0.0683
Gm04	25791831	25792828	Gmdrm	hypo	CHH	-0.059
Gm04	25866505	25867490	Gmdrm	hypo	CHH	-0.0274
Gm04	25868526	25869505	Gmdrm	hypo	CHH	-0.0915
Gm04	25916701	25917692	Gmdrm	hypo	CHH	-0.0278
Gm04	26025958	26026178	Gmdrm	hypo	CHH	-0.1023
Gm04	26166466	26167316	Gmdrm	hypo	CHH	-0.067
Gm04	26380379	26381373	Gmdrm	hypo	CHH	-0.0202
Gm04	26390318	26391301	Gmdrm	hypo	CHH	-0.0554
Gm04	26391617	26392614	Gmdrm	hypo	CHH	-0.0763
Gm04	26392620	26393614	Gmdrm	hypo	CHH	-0.0613
Gm04	26406797	26407796	Gmdrm	hypo	CHH	-0.0424
Gm04	26407807	26408803	Gmdrm	hypo	CHH	-0.1586
Gm04	26408814	26409196	Gmdrm	hypo	CHH	-0.1594
Gm04	26553089	26553158	Gmdrm	hypo	CHH	-0.2233
Gm04	26553464	26553858	Gmdrm	hypo	CHH	-0.0267
Gm04	26574441	26575439	Gmdrm	hypo	CHH	-0.0659
Gm04	26579482	26580458	Gmdrm	hypo	CHH	-0.045
Gm04	26588441	26589404	Gmdrm	hypo	CHH	-0.0321
Gm04	26605892	26606880	Gmdrm	hypo	CHH	-0.0344
Gm04	26905988	26906374	Gmdrm	hypo	CHH	-0.0765
Gm04	27223948	27223964	Gmdrm	hypo	CHH	-0.406
Gm04	27402141	27402346	Gmdrm	hypo	CHH	-0.1312
Gm04	27422081	27423078	Gmdrm	hypo	CHH	-0.1751
Gm04	27479647	27480550	Gmdrm	hypo	CHH	-0.0163
Gm04	27507570	27507738	Gmdrm	hypo	CHH	-0.0478
Gm04	27536139	27536275	Gmdrm	hypo	CHH	-0.1431
Gm04	27562972	27563158	Gmdrm	hypo	CHH	-0.0305
Gm04	27563265	27563934	Gmdrm	hypo	CHH	-0.0281
Gm04	27565558	27566555	Gmdrm	hypo	CHH	-0.0589
Gm04	27567562	27568521	Gmdrm	hypo	CHH	-0.0366
Gm04	27572298	27573294	Gmdrm	hypo	CHH	-0.0291
Gm04	27582743	27583741	Gmdrm	hypo	CHH	-0.0364
Gm04	27636592	27637557	Gmdrm	hypo	CHH	-0.0269
Gm04	27756702	27757698	Gmdrm	hypo	CHH	-0.0127
Gm04	27818310	27818393	Gmdrm	hypo	CHH	-0.0566

Gm04	28163262	28164258	Gmdrm	hypo	CHH	-0.1803
Gm04	28167961	28168956	Gmdrm	hypo	CHH	-0.0271
Gm04	28192050	28193044	Gmdrm	hypo	CHH	-0.0387
Gm04	28308031	28308142	Gmdrm	hypo	CHH	-0.3086
Gm04	28425688	28425982	Gmdrm	hypo	CHH	-0.123
Gm04	28483338	28484328	Gmdrm	hypo	CHH	-0.0341
Gm04	28626589	28626680	Gmdrm	hypo	CHH	-0.1
Gm04	28662865	28663460	Gmdrm	hypo	CHH	-0.1334
Gm04	28664999	28665999	Gmdrm	hypo	CHH	-0.0573
Gm04	28667013	28667955	Gmdrm	hypo	CHH	-0.0409
Gm04	28671419	28672350	Gmdrm	hypo	CHH	-0.0172
Gm04	28965052	28965098	Gmdrm	hypo	CHH	-0.2166
Gm04	28988121	28988164	Gmdrm	hypo	CHH	-0.126
Gm04	29024388	29025383	Gmdrm	hypo	CHH	-0.0579
Gm04	29073556	29074418	Gmdrm	hypo	CHH	-0.0142
Gm04	29081186	29082162	Gmdrm	hypo	CHH	-0.0269
Gm04	29091074	29091814	Gmdrm	hypo	CHH	-0.0323
Gm04	29122045	29123016	Gmdrm	hypo	CHH	-0.1404
Gm04	29182875	29183861	Gmdrm	hypo	CHH	-0.0288
Gm04	29184195	29185175	Gmdrm	hypo	CHH	-0.0264
Gm04	29187556	29188534	Gmdrm	hypo	CHH	-0.031
Gm04	29431124	29432108	Gmdrm	hypo	CHH	-0.0549
Gm04	29543515	29544510	Gmdrm	hypo	CHH	-0.0392
Gm04	29552030	29553030	Gmdrm	hypo	CHH	-0.0374
Gm04	29553031	29554013	Gmdrm	hypo	CHH	-0.0281
Gm04	29558776	29559766	Gmdrm	hypo	CHH	-0.0507
Gm04	29559777	29560772	Gmdrm	hypo	CHH	-0.0491
Gm04	29629114	29630102	Gmdrm	hypo	CHH	-0.0511
Gm04	29660939	29661936	Gmdrm	hypo	CHH	-0.0289
Gm04	29778578	29778628	Gmdrm	hypo	CHH	-0.1067
Gm04	29935860	29936841	Gmdrm	hypo	CHH	-0.0531
Gm04	29941852	29942795	Gmdrm	hypo	CHH	-0.0533
Gm04	29952349	29953291	Gmdrm	hypo	CHH	-0.0948
Gm04	29959934	29960263	Gmdrm	hypo	CHH	-0.0744
Gm04	29960769	29961760	Gmdrm	hypo	CHH	-0.1821
Gm04	29994508	29995075	Gmdrm	hypo	CHH	-0.0522
Gm04	29995721	29995852	Gmdrm	hypo	CHH	-0.0643
Gm04	30282445	30283389	Gmdrm	hypo	CHH	-0.0643
Gm04	30602622	30602678	Gmdrm	hypo	CHH	-0.15
Gm04	30654466	30654760	Gmdrm	hypo	CHH	-0.2011
Gm04	30695286	30696280	Gmdrm	hypo	CHH	-0.0224
Gm04	30696291	30696692	Gmdrm	hypo	CHH	-0.0555
Gm04	30701625	30702623	Gmdrm	hypo	CHH	-0.091
Gm04	30702631	30703628	Gmdrm	hypo	CHH	-0.0485
Gm04	30704636	30705572	Gmdrm	hypo	CHH	-0.0556
Gm04	30706284	30707277	Gmdrm	hypo	CHH	-0.0737

Gm04	30707285	30708279	Gmdrm	hypo	CHH	-0.0283
Gm04	30974233	30974282	Gmdrm	hypo	CHH	-0.1629
Gm04	31001782	31002748	Gmdrm	hypo	CHH	-0.0145
Gm04	31003259	31004218	Gmdrm	hypo	CHH	-0.023
Gm04	31008803	31009803	Gmdrm	hypo	CHH	-0.0397
Gm04	31111359	31111464	Gmdrm	hypo	CHH	-0.1277
Gm04	31233290	31233522	Gmdrm	hypo	CHH	-0.0248
Gm04	31327917	31328011	Gmdrm	hypo	CHH	-0.06
Gm04	31403074	31403146	Gmdrm	hypo	CHH	-0.16
Gm04	31641615	31642592	Gmdrm	hypo	CHH	-0.0218
Gm04	31723374	31724292	Gmdrm	hypo	CHH	-0.0259
Gm04	31758981	31759974	Gmdrm	hypo	CHH	-0.0842
Gm04	31826244	31827223	Gmdrm	hypo	CHH	-0.0262
Gm04	31847845	31848584	Gmdrm	hypo	CHH	-0.0288
Gm04	31848820	31849819	Gmdrm	hypo	CHH	-0.0409
Gm04	31930874	31931873	Gmdrm	hypo	CHH	-0.0204
Gm04	31931889	31932878	Gmdrm	hypo	CHH	-0.0253
Gm04	31944170	31944557	Gmdrm	hypo	CHH	-0.0425
Gm04	31982154	31983149	Gmdrm	hypo	CHH	-0.0305
Gm04	31995575	31996571	Gmdrm	hypo	CHH	-0.1178
Gm04	31996577	31997572	Gmdrm	hypo	CHH	-0.0365
Gm04	32008778	32009743	Gmdrm	hypo	CHH	-0.0953
Gm04	32026761	32026959	Gmdrm	hypo	CHH	-0.0278
Gm04	32221943	32222896	Gmdrm	hypo	CHH	-0.0156
Gm04	32271532	32272521	Gmdrm	hypo	CHH	-0.0914
Gm04	32277459	32278420	Gmdrm	hypo	CHH	-0.0517
Gm04	32418219	32419213	Gmdrm	hypo	CHH	-0.0156
Gm04	32421731	32422102	Gmdrm	hypo	CHH	-0.0271
Gm04	32422521	32423378	Gmdrm	hypo	CHH	-0.0206
Gm04	32437144	32438080	Gmdrm	hypo	CHH	-0.1755
Gm04	32438410	32438945	Gmdrm	hypo	CHH	-0.1818
Gm04	32439242	32439567	Gmdrm	hypo	CHH	-0.285
Gm04	32440071	32440997	Gmdrm	hypo	CHH	-0.0184
Gm04	32446426	32447405	Gmdrm	hypo	CHH	-0.0367
Gm04	32511057	32511823	Gmdrm	hypo	CHH	-0.0427
Gm04	32521460	32521659	Gmdrm	hypo	CHH	-0.2164
Gm04	32546886	32547884	Gmdrm	hypo	CHH	-0.0458
Gm04	32571432	32572428	Gmdrm	hypo	CHH	-0.168
Gm04	32573461	32574459	Gmdrm	hypo	CHH	-0.0392
Gm04	32574467	32575467	Gmdrm	hypo	CHH	-0.0869
Gm04	32585589	32586572	Gmdrm	hypo	CHH	-0.1828
Gm04	32594162	32595148	Gmdrm	hypo	CHH	-0.0319
Gm04	32685988	32686813	Gmdrm	hypo	CHH	-0.0374
Gm04	32709137	32710098	Gmdrm	hypo	CHH	-0.0695
Gm04	32817961	32818874	Gmdrm	hypo	CHH	-0.0172
Gm04	32820000	32820960	Gmdrm	hypo	CHH	-0.0549

Gm04	32831386	32832378	Gmdrm	hypo	CHH	-0.1045
Gm04	32834739	32835715	Gmdrm	hypo	CHH	-0.0154
Gm04	32844000	32844952	Gmdrm	hypo	CHH	-0.0102
Gm04	32924563	32925557	Gmdrm	hypo	CHH	-0.0471
Gm04	32975939	32976889	Gmdrm	hypo	CHH	-0.0166
Gm04	32977955	32978938	Gmdrm	hypo	CHH	-0.0283
Gm04	33058007	33058962	Gmdrm	hypo	CHH	-0.0462
Gm04	33070095	33071090	Gmdrm	hypo	CHH	-0.0234
Gm04	33071123	33071307	Gmdrm	hypo	CHH	-0.0409
Gm04	33084306	33084867	Gmdrm	hypo	CHH	-0.0345
Gm04	33100223	33100711	Gmdrm	hypo	CHH	-0.0664
Gm04	33100953	33101941	Gmdrm	hypo	CHH	-0.0271
Gm04	33157208	33158200	Gmdrm	hypo	CHH	-0.0363
Gm04	33417170	33418164	Gmdrm	hypo	CHH	-0.047
Gm04	33418179	33419171	Gmdrm	hypo	CHH	-0.0779
Gm04	33442904	33443238	Gmdrm	hypo	CHH	-0.0841
Gm04	33443501	33444488	Gmdrm	hypo	CHH	-0.0919
Gm04	33446372	33447370	Gmdrm	hypo	CHH	-0.0764
Gm04	33447382	33448227	Gmdrm	hypo	CHH	-0.0292
Gm04	33456709	33457544	Gmdrm	hypo	CHH	-0.015
Gm04	33483882	33483923	Gmdrm	hypo	CHH	-0.2414
Gm04	33627663	33627724	Gmdrm	hypo	CHH	-0.286
Gm04	33629667	33629715	Gmdrm	hypo	CHH	-0.19
Gm04	33726671	33727660	Gmdrm	hypo	CHH	-0.0785
Gm04	33727675	33728465	Gmdrm	hypo	CHH	-0.0742
Gm04	33729061	33730050	Gmdrm	hypo	CHH	-0.0153
Gm04	33730062	33731013	Gmdrm	hypo	CHH	-0.0345
Gm04	33732521	33733511	Gmdrm	hypo	CHH	-0.0192
Gm04	33734567	33735552	Gmdrm	hypo	CHH	-0.0829
Gm04	33746541	33746672	Gmdrm	hypo	CHH	-0.18
Gm04	33751423	33752419	Gmdrm	hypo	CHH	-0.2186
Gm04	33752426	33752973	Gmdrm	hypo	CHH	-0.0457
Gm04	33753373	33754283	Gmdrm	hypo	CHH	-0.1331
Gm04	33754579	33755124	Gmdrm	hypo	CHH	-0.1222
Gm04	33781913	33782798	Gmdrm	hypo	CHH	-0.0445
Gm04	33793277	33794256	Gmdrm	hypo	CHH	-0.0359
Gm04	33834979	33835023	Gmdrm	hypo	CHH	-0.3333
Gm04	33915153	33915473	Gmdrm	hypo	CHH	-0.03
Gm04	33915574	33916561	Gmdrm	hypo	CHH	-0.1097
Gm04	33918605	33919597	Gmdrm	hypo	CHH	-0.0218
Gm04	34041629	34041943	Gmdrm	hypo	CHH	-0.0634
Gm04	34105923	34106914	Gmdrm	hypo	CHH	-0.0702
Gm04	34106930	34107339	Gmdrm	hypo	CHH	-0.0865
Gm04	34620266	34620574	Gmdrm	hypo	CHH	-0.1345
Gm04	34763592	34764565	Gmdrm	hypo	CHH	-0.0341
Gm04	34765608	34766347	Gmdrm	hypo	CHH	-0.0169

Gm04	34766535	34767532	Gmdrm	hypo	CHH	-0.0338
Gm04	34769083	34770082	Gmdrm	hypo	CHH	-0.0232
Gm04	34788033	34789033	Gmdrm	hypo	CHH	-0.0498
Gm04	34922034	34923031	Gmdrm	hypo	CHH	-0.0131
Gm04	34924641	34925634	Gmdrm	hypo	CHH	-0.0758
Gm04	34929443	34930367	Gmdrm	hypo	CHH	-0.0624
Gm04	34930982	34931582	Gmdrm	hypo	CHH	-0.3018
Gm04	34931904	34932876	Gmdrm	hypo	CHH	-0.0875
Gm04	34956719	34957584	Gmdrm	hypo	CHH	-0.0462
Gm04	34961034	34961877	Gmdrm	hypo	CHH	-0.0212
Gm04	34963581	34964545	Gmdrm	hypo	CHH	-0.0203
Gm04	34964582	34965087	Gmdrm	hypo	CHH	-0.052
Gm04	34966214	34967207	Gmdrm	hypo	CHH	-0.0545
Gm04	35022876	35022976	Gmdrm	hypo	CHH	-0.1763
Gm04	35115244	35116242	Gmdrm	hypo	CHH	-0.037
Gm04	35121561	35122555	Gmdrm	hypo	CHH	-0.0497
Gm04	35122562	35123561	Gmdrm	hypo	CHH	-0.0389
Gm04	35143053	35144052	Gmdrm	hypo	CHH	-0.0864
Gm04	35150297	35150994	Gmdrm	hypo	CHH	-0.2225
Gm04	35210788	35211779	Gmdrm	hypo	CHH	-0.0536
Gm04	35212799	35213750	Gmdrm	hypo	CHH	-0.0863
Gm04	35213809	35214808	Gmdrm	hypo	CHH	-0.0532
Gm04	35244343	35245340	Gmdrm	hypo	CHH	-0.0586
Gm04	35263497	35264449	Gmdrm	hypo	CHH	-0.0146
Gm04	35269145	35270145	Gmdrm	hypo	CHH	-0.0934
Gm04	35277357	35278357	Gmdrm	hypo	CHH	-0.0494
Gm04	35320034	35321032	Gmdrm	hypo	CHH	-0.0389
Gm04	35321036	35321336	Gmdrm	hypo	CHH	-0.0657
Gm04	35322742	35323728	Gmdrm	hypo	CHH	-0.0197
Gm04	35324805	35324987	Gmdrm	hypo	CHH	-0.0859
Gm04	35328443	35329442	Gmdrm	hypo	CHH	-0.0194
Gm04	35330253	35330495	Gmdrm	hypo	CHH	-0.027
Gm04	35331052	35332038	Gmdrm	hypo	CHH	-0.0648
Gm04	35349145	35350140	Gmdrm	hypo	CHH	-0.1048
Gm04	35350152	35351138	Gmdrm	hypo	CHH	-0.134
Gm04	35356123	35357120	Gmdrm	hypo	CHH	-0.0164
Gm04	35412721	35413721	Gmdrm	hypo	CHH	-0.0247
Gm04	35413727	35414723	Gmdrm	hypo	CHH	-0.1575
Gm04	35414736	35415714	Gmdrm	hypo	CHH	-0.1254
Gm04	35432086	35433078	Gmdrm	hypo	CHH	-0.0559
Gm04	35433104	35434101	Gmdrm	hypo	CHH	-0.0345
Gm04	35438799	35439799	Gmdrm	hypo	CHH	-0.1035
Gm04	35439803	35440088	Gmdrm	hypo	CHH	-0.1104
Gm04	35442290	35443290	Gmdrm	hypo	CHH	-0.0606
Gm04	35444904	35445858	Gmdrm	hypo	CHH	-0.0571
Gm04	35527724	35527817	Gmdrm	hypo	CHH	-0.1526

Gm04	35590843	35591190	Gmdrm	hypo	CHH	-0.046
Gm04	35591415	35592412	Gmdrm	hypo	CHH	-0.0564
Gm04	35600834	35601796	Gmdrm	hypo	CHH	-0.018
Gm04	35602209	35603179	Gmdrm	hypo	CHH	-0.0732
Gm04	35605216	35605611	Gmdrm	hypo	CHH	-0.0644
Gm04	35610118	35611116	Gmdrm	hypo	CHH	-0.0962
Gm04	35661464	35661498	Gmdrm	hypo	CHH	-0.206
Gm04	35824045	35825027	Gmdrm	hypo	CHH	-0.031
Gm04	35825965	35826964	Gmdrm	hypo	CHH	-0.041
Gm04	35826967	35827885	Gmdrm	hypo	CHH	-0.0671
Gm04	35827973	35828963	Gmdrm	hypo	CHH	-0.0481
Gm04	35830133	35831132	Gmdrm	hypo	CHH	-0.2797
Gm04	35832147	35832295	Gmdrm	hypo	CHH	-0.0929
Gm04	35837514	35838509	Gmdrm	hypo	CHH	-0.0475
Gm04	35876895	35877894	Gmdrm	hypo	CHH	-0.0209
Gm04	35877900	35878888	Gmdrm	hypo	CHH	-0.0278
Gm04	35878901	35879889	Gmdrm	hypo	CHH	-0.0251
Gm04	35884452	35884723	Gmdrm	hypo	CHH	-0.0369
Gm04	35885487	35886483	Gmdrm	hypo	CHH	-0.0476
Gm04	35909176	35910171	Gmdrm	hypo	CHH	-0.0773
Gm04	35914825	35914854	Gmdrm	hypo	CHH	-0.3028
Gm04	35945598	35946596	Gmdrm	hypo	CHH	-0.0296
Gm04	35956703	35957698	Gmdrm	hypo	CHH	-0.0485
Gm04	35960184	35961179	Gmdrm	hypo	CHH	-0.0736
Gm04	36116531	36116791	Gmdrm	hypo	CHH	-0.1357
Gm04	36117293	36118282	Gmdrm	hypo	CHH	-0.0312
Gm04	36142081	36143060	Gmdrm	hypo	CHH	-0.0327
Gm04	36185097	36186091	Gmdrm	hypo	CHH	-0.0433
Gm04	36243690	36243754	Gmdrm	hypo	CHH	-0.2
Gm04	36614798	36614816	Gmdrm	hypo	CHH	-0.122
Gm04	36705377	36705464	Gmdrm	hypo	CHH	-0.2
Gm04	37108301	37109294	Gmdrm	hypo	CHH	-0.0245
Gm04	37143123	37144117	Gmdrm	hypo	CHH	-0.0702
Gm04	37145697	37146691	Gmdrm	hypo	CHH	-0.0761
Gm04	37148444	37149435	Gmdrm	hypo	CHH	-0.0977
Gm04	37152546	37153543	Gmdrm	hypo	CHH	-0.0686
Gm04	37153548	37154245	Gmdrm	hypo	CHH	-0.1139
Gm04	37159531	37160523	Gmdrm	hypo	CHH	-0.0637
Gm04	37160532	37161519	Gmdrm	hypo	CHH	-0.0413
Gm04	37169605	37170552	Gmdrm	hypo	CHH	-0.0526
Gm04	37225533	37226102	Gmdrm	hypo	CHH	-0.0732
Gm04	37230208	37231095	Gmdrm	hypo	CHH	-0.1418
Gm04	37231293	37232286	Gmdrm	hypo	CHH	-0.1491
Gm04	37235986	37236937	Gmdrm	hypo	CHH	-0.0288
Gm04	37241108	37242108	Gmdrm	hypo	CHH	-0.0651
Gm04	37242113	37243109	Gmdrm	hypo	CHH	-0.0501

Gm04	37354157	37354758	Gmdrm	hypo	CHH	-0.104
Gm04	37362570	37363557	Gmdrm	hypo	CHH	-0.0956
Gm04	37363578	37364478	Gmdrm	hypo	CHH	-0.0968
Gm04	37372908	37373880	Gmdrm	hypo	CHH	-0.0243
Gm04	37374937	37375908	Gmdrm	hypo	CHH	-0.0212
Gm04	37389790	37390784	Gmdrm	hypo	CHH	-0.1017
Gm04	37395193	37396191	Gmdrm	hypo	CHH	-0.0747
Gm04	37407534	37407960	Gmdrm	hypo	CHH	-0.036
Gm04	37467628	37468566	Gmdrm	hypo	CHH	-0.0291
Gm04	37808582	37809567	Gmdrm	hypo	CHH	-0.0239
Gm04	37814680	37815680	Gmdrm	hypo	CHH	-0.1771
Gm04	37815683	37816683	Gmdrm	hypo	CHH	-0.1289
Gm04	37841381	37842378	Gmdrm	hypo	CHH	-0.0181
Gm04	37843612	37844606	Gmdrm	hypo	CHH	-0.1332
Gm04	37845204	37845267	Gmdrm	hypo	CHH	-0.0488
Gm04	37848222	37849221	Gmdrm	hypo	CHH	-0.2112
Gm04	37849228	37850220	Gmdrm	hypo	CHH	-0.0293
Gm04	37850281	37851279	Gmdrm	hypo	CHH	-0.0191
Gm04	37852301	37853283	Gmdrm	hypo	CHH	-0.1133
Gm04	37853308	37854297	Gmdrm	hypo	CHH	-0.0716
Gm04	37857390	37858390	Gmdrm	hypo	CHH	-0.0362
Gm04	37860458	37861457	Gmdrm	hypo	CHH	-0.1392
Gm04	37861466	37862261	Gmdrm	hypo	CHH	-0.1266
Gm04	37949593	37950593	Gmdrm	hypo	CHH	-0.0196
Gm04	37950595	37951583	Gmdrm	hypo	CHH	-0.0429
Gm04	38046497	38047491	Gmdrm	hypo	CHH	-0.0257
Gm04	38058994	38059994	Gmdrm	hypo	CHH	-0.0565
Gm04	38116545	38117509	Gmdrm	hypo	CHH	-0.0473
Gm04	38118104	38119091	Gmdrm	hypo	CHH	-0.0585
Gm04	38127219	38128216	Gmdrm	hypo	CHH	-0.0134
Gm04	38180993	38181034	Gmdrm	hypo	CHH	-0.1375
Gm04	38309863	38310770	Gmdrm	hypo	CHH	-0.1991
Gm04	38317429	38318417	Gmdrm	hypo	CHH	-0.0238
Gm04	38331957	38332194	Gmdrm	hypo	CHH	-0.0591
Gm04	38372075	38373075	Gmdrm	hypo	CHH	-0.1677
Gm04	38373077	38374077	Gmdrm	hypo	CHH	-0.1692
Gm04	38374083	38375072	Gmdrm	hypo	CHH	-0.1162
Gm04	38375144	38376131	Gmdrm	hypo	CHH	-0.0512
Gm04	38393151	38394111	Gmdrm	hypo	CHH	-0.0719
Gm04	38394155	38395141	Gmdrm	hypo	CHH	-0.1388
Gm04	38395175	38395532	Gmdrm	hypo	CHH	-0.1021
Gm04	38414990	38415899	Gmdrm	hypo	CHH	-0.1382
Gm04	38417017	38417901	Gmdrm	hypo	CHH	-0.0353
Gm04	38424904	38425378	Gmdrm	hypo	CHH	-0.0261
Gm04	38425542	38426475	Gmdrm	hypo	CHH	-0.0176
Gm04	38430294	38431286	Gmdrm	hypo	CHH	-0.0397

Gm04	38496325	38497307	Gmdrm	hypo	CHH	-0.061
Gm04	38497332	38498316	Gmdrm	hypo	CHH	-0.0888
Gm04	38500126	38501104	Gmdrm	hypo	CHH	-0.0129
Gm04	38503171	38504170	Gmdrm	hypo	CHH	-0.0218
Gm04	38545018	38545687	Gmdrm	hypo	CHH	-0.0403
Gm04	38545902	38546854	Gmdrm	hypo	CHH	-0.0647
Gm04	38546907	38547901	Gmdrm	hypo	CHH	-0.0211
Gm04	38547909	38548903	Gmdrm	hypo	CHH	-0.0169
Gm04	38548920	38549892	Gmdrm	hypo	CHH	-0.0251
Gm04	38550933	38551902	Gmdrm	hypo	CHH	-0.0645
Gm04	38571426	38572185	Gmdrm	hypo	CHH	-0.1047
Gm04	38573804	38574791	Gmdrm	hypo	CHH	-0.0359
Gm04	38582950	38583948	Gmdrm	hypo	CHH	-0.0117
Gm04	38583964	38584942	Gmdrm	hypo	CHH	-0.0117
Gm04	38663026	38664021	Gmdrm	hypo	CHH	-0.0134
Gm04	38664032	38665017	Gmdrm	hypo	CHH	-0.0534
Gm04	38665038	38665691	Gmdrm	hypo	CHH	-0.0159
Gm04	38689968	38690185	Gmdrm	hypo	CHH	-0.0517
Gm04	38693372	38693698	Gmdrm	hypo	CHH	-0.1439
Gm04	38697167	38697459	Gmdrm	hypo	CHH	-0.0936
Gm04	38704051	38705045	Gmdrm	hypo	CHH	-0.0425
Gm04	38714096	38715090	Gmdrm	hypo	CHH	-0.0369
Gm04	38729460	38730455	Gmdrm	hypo	CHH	-0.1034
Gm04	38751657	38752657	Gmdrm	hypo	CHH	-0.0352
Gm04	38754996	38755982	Gmdrm	hypo	CHH	-0.1162
Gm04	38755998	38756990	Gmdrm	hypo	CHH	-0.0968
Gm04	38763569	38764555	Gmdrm	hypo	CHH	-0.0333
Gm04	38768090	38768563	Gmdrm	hypo	CHH	-0.0322
Gm04	38770748	38771742	Gmdrm	hypo	CHH	-0.015
Gm04	38820538	38821533	Gmdrm	hypo	CHH	-0.0355
Gm04	38823744	38824732	Gmdrm	hypo	CHH	-0.0738
Gm04	38825748	38826628	Gmdrm	hypo	CHH	-0.0459
Gm04	38827014	38827996	Gmdrm	hypo	CHH	-0.0551
Gm04	38828670	38829665	Gmdrm	hypo	CHH	-0.0112
Gm04	38831255	38832247	Gmdrm	hypo	CHH	-0.0454
Gm04	38843758	38844725	Gmdrm	hypo	CHH	-0.0192
Gm04	38848165	38848537	Gmdrm	hypo	CHH	-0.0682
Gm04	38848643	38849619	Gmdrm	hypo	CHH	-0.0385
Gm04	38853515	38854505	Gmdrm	hypo	CHH	-0.0362
Gm04	38862896	38863894	Gmdrm	hypo	CHH	-0.0163
Gm04	38911184	38912147	Gmdrm	hypo	CHH	-0.0866
Gm04	38912192	38913192	Gmdrm	hypo	CHH	-0.0749
Gm04	38913193	38914131	Gmdrm	hypo	CHH	-0.0297
Gm04	38917472	38918468	Gmdrm	hypo	CHH	-0.0591
Gm04	38918474	38919463	Gmdrm	hypo	CHH	-0.089
Gm04	38924800	38925798	Gmdrm	hypo	CHH	-0.154

Gm04	38928335	38929187	Gmdrm	hypo	CHH	-0.0185
Gm04	38936161	38937144	Gmdrm	hypo	CHH	-0.1662
Gm04	38938128	38939128	Gmdrm	hypo	CHH	-0.0617
Gm04	39007823	39008790	Gmdrm	hypo	CHH	-0.0683
Gm04	39031989	39032970	Gmdrm	hypo	CHH	-0.0378
Gm04	39043058	39043739	Gmdrm	hypo	CHH	-0.07
Gm04	39048361	39049324	Gmdrm	hypo	CHH	-0.0198
Gm04	39051447	39052432	Gmdrm	hypo	CHH	-0.0234
Gm04	39062356	39063165	Gmdrm	hypo	CHH	-0.0261
Gm04	39076665	39077256	Gmdrm	hypo	CHH	-0.4186
Gm04	39102431	39103429	Gmdrm	hypo	CHH	-0.048
Gm04	39104455	39105442	Gmdrm	hypo	CHH	-0.0404
Gm04	39105462	39106459	Gmdrm	hypo	CHH	-0.0469
Gm04	39106472	39107462	Gmdrm	hypo	CHH	-0.0479
Gm04	39112817	39113799	Gmdrm	hypo	CHH	-0.039
Gm04	39113828	39114781	Gmdrm	hypo	CHH	-0.0102
Gm04	39115597	39116597	Gmdrm	hypo	CHH	-0.0513
Gm04	39117617	39118590	Gmdrm	hypo	CHH	-0.03
Gm04	39118620	39119599	Gmdrm	hypo	CHH	-0.0206
Gm04	39119636	39120623	Gmdrm	hypo	CHH	-0.0194
Gm04	39120638	39121634	Gmdrm	hypo	CHH	-0.017
Gm04	39124690	39125681	Gmdrm	hypo	CHH	-0.0232
Gm04	39137903	39138590	Gmdrm	hypo	CHH	-0.0608
Gm04	39143728	39144712	Gmdrm	hypo	CHH	-0.0187
Gm04	39155928	39156903	Gmdrm	hypo	CHH	-0.1621
Gm04	39164689	39165688	Gmdrm	hypo	CHH	-0.0161
Gm04	39201871	39202285	Gmdrm	hypo	CHH	-0.1451
Gm04	39215492	39216475	Gmdrm	hypo	CHH	-0.0612
Gm04	39216503	39217490	Gmdrm	hypo	CHH	-0.2099
Gm04	39217516	39218507	Gmdrm	hypo	CHH	-0.0929
Gm04	39242159	39243093	Gmdrm	hypo	CHH	-0.0561
Gm04	39248192	39249130	Gmdrm	hypo	CHH	-0.0206
Gm04	39257324	39258317	Gmdrm	hypo	CHH	-0.0141
Gm04	39265901	39266899	Gmdrm	hypo	CHH	-0.0173
Gm04	39269730	39270719	Gmdrm	hypo	CHH	-0.0557
Gm04	39280731	39281731	Gmdrm	hypo	CHH	-0.0442
Gm04	39298593	39299589	Gmdrm	hypo	CHH	-0.0481
Gm04	39315440	39316431	Gmdrm	hypo	CHH	-0.0555
Gm04	39316453	39317246	Gmdrm	hypo	CHH	-0.0552
Gm04	39320437	39321437	Gmdrm	hypo	CHH	-0.0426
Gm04	39338770	39339764	Gmdrm	hypo	CHH	-0.0359
Gm04	39412331	39413320	Gmdrm	hypo	CHH	-0.0276
Gm04	39420544	39420992	Gmdrm	hypo	CHH	-0.0231
Gm04	39464714	39465705	Gmdrm	hypo	CHH	-0.0668
Gm04	39465716	39466705	Gmdrm	hypo	CHH	-0.032
Gm04	39510941	39511592	Gmdrm	hypo	CHH	-0.0762

Gm04	39541442	39542442	Gmdrm	hypo	CHH	-0.0393
Gm04	39542448	39542751	Gmdrm	hypo	CHH	-0.0805
Gm04	39542861	39543861	Gmdrm	hypo	CHH	-0.1532
Gm04	39543877	39544875	Gmdrm	hypo	CHH	-0.1186
Gm04	39668228	39668661	Gmdrm	hypo	CHH	-0.0369
Gm04	39668937	39669918	Gmdrm	hypo	CHH	-0.0368
Gm04	39670976	39671974	Gmdrm	hypo	CHH	-0.0163
Gm04	39671978	39672965	Gmdrm	hypo	CHH	-0.0163
Gm04	39673018	39673655	Gmdrm	hypo	CHH	-0.0212
Gm04	39673782	39674733	Gmdrm	hypo	CHH	-0.1249
Gm04	39710944	39711939	Gmdrm	hypo	CHH	-0.0194
Gm04	39713987	39714987	Gmdrm	hypo	CHH	-0.0511
Gm04	39754816	39755814	Gmdrm	hypo	CHH	-0.0247
Gm04	39806251	39807251	Gmdrm	hypo	CHH	-0.1641
Gm04	39864847	39865805	Gmdrm	hypo	CHH	-0.0097
Gm04	39926526	39927526	Gmdrm	hypo	CHH	-0.0573
Gm04	39927536	39928533	Gmdrm	hypo	CHH	-0.0552
Gm04	39929361	39930151	Gmdrm	hypo	CHH	-0.0355
Gm04	39934205	39935199	Gmdrm	hypo	CHH	-0.0181
Gm04	39953499	39954496	Gmdrm	hypo	CHH	-0.044
Gm04	39954500	39955444	Gmdrm	hypo	CHH	-0.0277
Gm04	39996410	39997392	Gmdrm	hypo	CHH	-0.0117
Gm04	40004500	40005488	Gmdrm	hypo	CHH	-0.0221
Gm04	40020985	40021703	Gmdrm	hypo	CHH	-0.0669
Gm04	40022975	40023338	Gmdrm	hypo	CHH	-0.1118
Gm04	40023528	40023823	Gmdrm	hypo	CHH	-0.1221
Gm04	40030514	40030663	Gmdrm	hypo	CHH	-0.22
Gm04	40034701	40035700	Gmdrm	hypo	CHH	-0.1349
Gm04	40035704	40036702	Gmdrm	hypo	CHH	-0.0155
Gm04	40036731	40037730	Gmdrm	hypo	CHH	-0.0266
Gm04	40062375	40063371	Gmdrm	hypo	CHH	-0.0282
Gm04	40070898	40071885	Gmdrm	hypo	CHH	-0.0265
Gm04	40073712	40074712	Gmdrm	hypo	CHH	-0.0182
Gm04	40083787	40084785	Gmdrm	hypo	CHH	-0.0492
Gm04	40092722	40093716	Gmdrm	hypo	CHH	-0.0438
Gm04	40106057	40106359	Gmdrm	hypo	CHH	-0.1087
Gm04	40111388	40111997	Gmdrm	hypo	CHH	-0.0502
Gm04	40113157	40114154	Gmdrm	hypo	CHH	-0.0184
Gm04	40146782	40147781	Gmdrm	hypo	CHH	-0.0387
Gm04	40147785	40148214	Gmdrm	hypo	CHH	-0.0402
Gm04	40154706	40155697	Gmdrm	hypo	CHH	-0.1886
Gm04	40155710	40156689	Gmdrm	hypo	CHH	-0.1119
Gm04	40191323	40192320	Gmdrm	hypo	CHH	-0.0501
Gm04	40192349	40193252	Gmdrm	hypo	CHH	-0.0262
Gm04	40197090	40198071	Gmdrm	hypo	CHH	-0.0392
Gm04	40205376	40206345	Gmdrm	hypo	CHH	-0.067

Gm04	40207284	40207667	Gmdrm	hypo	CHH	-0.0537
Gm04	40214675	40215636	Gmdrm	hypo	CHH	-0.0751
Gm04	40219694	40220673	Gmdrm	hypo	CHH	-0.0195
Gm04	40220717	40221715	Gmdrm	hypo	CHH	-0.0664
Gm04	40221720	40222716	Gmdrm	hypo	CHH	-0.042
Gm04	40244628	40245618	Gmdrm	hypo	CHH	-0.0225
Gm04	40263720	40264716	Gmdrm	hypo	CHH	-0.0404
Gm04	40277805	40278199	Gmdrm	hypo	CHH	-0.0343
Gm04	40281161	40282155	Gmdrm	hypo	CHH	-0.0446
Gm04	40282163	40283147	Gmdrm	hypo	CHH	-0.0733
Gm04	40299885	40300877	Gmdrm	hypo	CHH	-0.0466
Gm04	40304929	40305800	Gmdrm	hypo	CHH	-0.0123
Gm04	40312607	40313598	Gmdrm	hypo	CHH	-0.0973
Gm04	40313859	40314856	Gmdrm	hypo	CHH	-0.0175
Gm04	40314867	40315848	Gmdrm	hypo	CHH	-0.0539
Gm04	40316878	40317872	Gmdrm	hypo	CHH	-0.0309
Gm04	40331488	40331637	Gmdrm	hypo	CHH	-0.11
Gm04	40335164	40336141	Gmdrm	hypo	CHH	-0.0145
Gm04	40354741	40355722	Gmdrm	hypo	CHH	-0.0514
Gm04	40373888	40374887	Gmdrm	hypo	CHH	-0.0435
Gm04	40374890	40375237	Gmdrm	hypo	CHH	-0.0797
Gm04	40376354	40377351	Gmdrm	hypo	CHH	-0.0293
Gm04	40385335	40386334	Gmdrm	hypo	CHH	-0.0648
Gm04	40401754	40402742	Gmdrm	hypo	CHH	-0.0531
Gm04	40413831	40414809	Gmdrm	hypo	CHH	-0.0142
Gm04	40419392	40420385	Gmdrm	hypo	CHH	-0.0446
Gm04	40420529	40421526	Gmdrm	hypo	CHH	-0.0198
Gm04	40444768	40445752	Gmdrm	hypo	CHH	-0.0749
Gm04	40445770	40446762	Gmdrm	hypo	CHH	-0.0656
Gm04	40447044	40448042	Gmdrm	hypo	CHH	-0.0318
Gm04	40448052	40449051	Gmdrm	hypo	CHH	-0.0315
Gm04	40459775	40460766	Gmdrm	hypo	CHH	-0.0753
Gm04	40557941	40558939	Gmdrm	hypo	CHH	-0.051
Gm04	40558942	40559942	Gmdrm	hypo	CHH	-0.0373
Gm04	40559943	40560874	Gmdrm	hypo	CHH	-0.0351
Gm04	40571317	40572314	Gmdrm	hypo	CHH	-0.1891
Gm04	40572337	40573312	Gmdrm	hypo	CHH	-0.0316
Gm04	40600493	40601476	Gmdrm	hypo	CHH	-0.0417
Gm04	40601537	40602536	Gmdrm	hypo	CHH	-0.0091
Gm04	40653995	40654991	Gmdrm	hypo	CHH	-0.0559
Gm04	40658130	40659128	Gmdrm	hypo	CHH	-0.0125
Gm04	40659137	40660136	Gmdrm	hypo	CHH	-0.0644
Gm04	40660389	40661373	Gmdrm	hypo	CHH	-0.0891
Gm04	40665094	40666069	Gmdrm	hypo	CHH	-0.1271
Gm04	40696216	40697212	Gmdrm	hypo	CHH	-0.0545
Gm04	40699227	40700225	Gmdrm	hypo	CHH	-0.0335

Gm04	40700230	40701211 Gmdrm	hypo	CHH	-0.0425
Gm04	40701235	40702234 Gmdrm	hypo	CHH	-0.0198
Gm04	40707301	40707651 Gmdrm	hypo	CHH	-0.13
Gm04	40707774	40708769 Gmdrm	hypo	CHH	-0.0453
Gm04	40708776	40709770 Gmdrm	hypo	CHH	-0.0465
Gm04	40709781	40710774 Gmdrm	hypo	CHH	-0.0476
Gm04	40723223	40724221 Gmdrm	hypo	CHH	-0.0393
Gm04	40725232	40726225 Gmdrm	hypo	CHH	-0.0928
Gm04	40752428	40753409 Gmdrm	hypo	CHH	-0.0136
Gm04	40755024	40756012 Gmdrm	hypo	CHH	-0.0341
Gm04	40759171	40760151 Gmdrm	hypo	CHH	-0.0365
Gm04	40761997	40762467 Gmdrm	hypo	CHH	-0.0395
Gm04	40782840	40783834 Gmdrm	hypo	CHH	-0.0761
Gm04	40803790	40804286 Gmdrm	hypo	CHH	-0.0663
Gm04	40833715	40834673 Gmdrm	hypo	CHH	-0.0356
Gm04	40834761	40835753 Gmdrm	hypo	CHH	-0.0757
Gm04	40835767	40836752 Gmdrm	hypo	CHH	-0.0832
Gm04	40883419	40884418 Gmdrm	hypo	CHH	-0.0421
Gm04	40905910	40906909 Gmdrm	hypo	CHH	-0.0343
Gm04	40906913	40907896 Gmdrm	hypo	CHH	-0.0285
Gm04	40932832	40933831 Gmdrm	hypo	CHH	-0.0208
Gm04	40942189	40942771 Gmdrm	hypo	CHH	-0.0372
Gm04	40979914	40980904 Gmdrm	hypo	CHH	-0.0743
Gm04	40981010	40981998 Gmdrm	hypo	CHH	-0.025
Gm04	40982048	40983041 Gmdrm	hypo	CHH	-0.0209
Gm04	40983052	40984041 Gmdrm	hypo	CHH	-0.0231
Gm04	40984069	40984812 Gmdrm	hypo	CHH	-0.0253
Gm04	41005430	41006428 Gmdrm	hypo	CHH	-0.1102
Gm04	41012505	41013481 Gmdrm	hypo	CHH	-0.3977
Gm04	41016484	41017473 Gmdrm	hypo	CHH	-0.2928
Gm04	41017493	41018484 Gmdrm	hypo	CHH	-0.1226
Gm04	41019994	41020989 Gmdrm	hypo	CHH	-0.0667
Gm04	41023006	41024003 Gmdrm	hypo	CHH	-0.0568
Gm04	41024011	41024595 Gmdrm	hypo	CHH	-0.1207
Gm04	41025173	41026154 Gmdrm	hypo	CHH	-0.1002
Gm04	41028324	41029315 Gmdrm	hypo	CHH	-0.0253
Gm04	41039003	41039985 Gmdrm	hypo	CHH	-0.0484
Gm04	41057503	41058481 Gmdrm	hypo	CHH	-0.0458
Gm04	41061936	41062923 Gmdrm	hypo	CHH	-0.0135
Gm04	41066803	41067076 Gmdrm	hypo	CHH	-0.055
Gm04	41070339	41071328 Gmdrm	hypo	CHH	-0.1024
Gm04	41072357	41073288 Gmdrm	hypo	CHH	-0.0145
Gm04	41077341	41078339 Gmdrm	hypo	CHH	-0.0217
Gm04	41171885	41172866 Gmdrm	hypo	CHH	-0.0897
Gm04	41176948	41177933 Gmdrm	hypo	CHH	-0.0722
Gm04	41179042	41180033 Gmdrm	hypo	CHH	-0.0131

Gm04	41182530	41183483	Gmdrm	hypo	CHH	-0.0514
Gm04	41186545	41187388	Gmdrm	hypo	CHH	-0.0953
Gm04	41199333	41200301	Gmdrm	hypo	CHH	-0.0242
Gm04	41201342	41202342	Gmdrm	hypo	CHH	-0.1791
Gm04	41202347	41203343	Gmdrm	hypo	CHH	-0.1425
Gm04	41209404	41209988	Gmdrm	hypo	CHH	-0.0307
Gm04	41210104	41211102	Gmdrm	hypo	CHH	-0.0338
Gm04	41211105	41211680	Gmdrm	hypo	CHH	-0.0734
Gm04	41216107	41217103	Gmdrm	hypo	CHH	-0.0298
Gm04	41217124	41218121	Gmdrm	hypo	CHH	-0.0471
Gm04	41218125	41219087	Gmdrm	hypo	CHH	-0.1402
Gm04	41222175	41223167	Gmdrm	hypo	CHH	-0.076
Gm04	41223189	41224188	Gmdrm	hypo	CHH	-0.0621
Gm04	41224195	41225194	Gmdrm	hypo	CHH	-0.0539
Gm04	41233487	41234483	Gmdrm	hypo	CHH	-0.0411
Gm04	41234489	41235449	Gmdrm	hypo	CHH	-0.0406
Gm04	41289973	41290965	Gmdrm	hypo	CHH	-0.0277
Gm04	41292003	41293002	Gmdrm	hypo	CHH	-0.0193
Gm04	41294039	41295037	Gmdrm	hypo	CHH	-0.0192
Gm04	41303383	41304382	Gmdrm	hypo	CHH	-0.0755
Gm04	41304389	41304725	Gmdrm	hypo	CHH	-0.2044
Gm04	41305460	41305565	Gmdrm	hypo	CHH	-0.0658
Gm04	41306649	41307645	Gmdrm	hypo	CHH	-0.0114
Gm04	41307695	41308695	Gmdrm	hypo	CHH	-0.0131
Gm04	41309680	41310674	Gmdrm	hypo	CHH	-0.0567
Gm04	41310732	41311729	Gmdrm	hypo	CHH	-0.049
Gm04	41348454	41349283	Gmdrm	hypo	CHH	-0.0343
Gm04	41362742	41363733	Gmdrm	hypo	CHH	-0.0158
Gm04	41365192	41366153	Gmdrm	hypo	CHH	-0.0296
Gm04	41379340	41380330	Gmdrm	hypo	CHH	-0.0402
Gm04	41400326	41400681	Gmdrm	hypo	CHH	-0.0308
Gm04	41404374	41404716	Gmdrm	hypo	CHH	-0.2802
Gm04	41405096	41406066	Gmdrm	hypo	CHH	-0.1653
Gm04	41454994	41455991	Gmdrm	hypo	CHH	-0.0523
Gm04	41462146	41463145	Gmdrm	hypo	CHH	-0.0222
Gm04	41478707	41479555	Gmdrm	hypo	CHH	-0.0558
Gm04	41494605	41495558	Gmdrm	hypo	CHH	-0.0322
Gm04	41531264	41532259	Gmdrm	hypo	CHH	-0.02
Gm04	41539668	41540665	Gmdrm	hypo	CHH	-0.0143
Gm04	41560537	41561535	Gmdrm	hypo	CHH	-0.018
Gm04	41566260	41567239	Gmdrm	hypo	CHH	-0.0346
Gm04	41567274	41568268	Gmdrm	hypo	CHH	-0.0635
Gm04	41576733	41577706	Gmdrm	hypo	CHH	-0.0746
Gm04	41579781	41580766	Gmdrm	hypo	CHH	-0.0681
Gm04	41580801	41581798	Gmdrm	hypo	CHH	-0.0343
Gm04	41581803	41582801	Gmdrm	hypo	CHH	-0.0502

Gm04	41583811	41584801	Gmdrm	hypo	CHH	-0.0335
Gm04	41584821	41585703	Gmdrm	hypo	CHH	-0.0161
Gm04	41637644	41637706	Gmdrm	hypo	CHH	-0.052
Gm04	41638823	41639790	Gmdrm	hypo	CHH	-0.0284
Gm04	41649237	41650213	Gmdrm	hypo	CHH	-0.0728
Gm04	41650285	41651255	Gmdrm	hypo	CHH	-0.1835
Gm04	41651690	41652685	Gmdrm	hypo	CHH	-0.0171
Gm04	41652703	41653700	Gmdrm	hypo	CHH	-0.0338
Gm04	41656508	41657503	Gmdrm	hypo	CHH	-0.0986
Gm04	41662544	41663543	Gmdrm	hypo	CHH	-0.0343
Gm04	41667811	41668779	Gmdrm	hypo	CHH	-0.0588
Gm04	41686584	41687558	Gmdrm	hypo	CHH	-0.0415
Gm04	41687595	41688594	Gmdrm	hypo	CHH	-0.0344
Gm04	41703414	41704408	Gmdrm	hypo	CHH	-0.0278
Gm04	41708372	41709365	Gmdrm	hypo	CHH	-0.0919
Gm04	41709375	41710370	Gmdrm	hypo	CHH	-0.0344
Gm04	41710391	41711391	Gmdrm	hypo	CHH	-0.0697
Gm04	41711444	41712443	Gmdrm	hypo	CHH	-0.0423
Gm04	41713485	41714092	Gmdrm	hypo	CHH	-0.0366
Gm04	41742406	41743400	Gmdrm	hypo	CHH	-0.0607
Gm04	41816822	41817822	Gmdrm	hypo	CHH	-0.0749
Gm04	41821052	41821327	Gmdrm	hypo	CHH	-0.0585
Gm04	41824421	41825176	Gmdrm	hypo	CHH	-0.0646
Gm04	41864092	41865031	Gmdrm	hypo	CHH	-0.0568
Gm04	41910174	41910309	Gmdrm	hypo	CHH	-0.1785
Gm04	41914891	41915882	Gmdrm	hypo	CHH	-0.0105
Gm04	41915930	41916930	Gmdrm	hypo	CHH	-0.0292
Gm04	41947768	41948755	Gmdrm	hypo	CHH	-0.0242
Gm04	41948781	41949765	Gmdrm	hypo	CHH	-0.0435
Gm04	41997333	41997486	Gmdrm	hypo	CHH	-0.1566
Gm04	42051793	42052785	Gmdrm	hypo	CHH	-0.0821
Gm04	42052836	42053835	Gmdrm	hypo	CHH	-0.066
Gm04	42058864	42059854	Gmdrm	hypo	CHH	-0.1819
Gm04	42064010	42065007	Gmdrm	hypo	CHH	-0.0232
Gm04	42065015	42066008	Gmdrm	hypo	CHH	-0.0225
Gm04	42078292	42078458	Gmdrm	hypo	CHH	-0.0257
Gm04	42078636	42079628	Gmdrm	hypo	CHH	-0.0728
Gm04	42079644	42080608	Gmdrm	hypo	CHH	-0.0927
Gm04	42082808	42083798	Gmdrm	hypo	CHH	-0.0388
Gm04	42086907	42087151	Gmdrm	hypo	CHH	-0.429
Gm04	42088028	42088971	Gmdrm	hypo	CHH	-0.1263
Gm04	42089375	42090077	Gmdrm	hypo	CHH	-0.0149
Gm04	42125615	42126606	Gmdrm	hypo	CHH	-0.0098
Gm04	42180772	42181761	Gmdrm	hypo	CHH	-0.0437
Gm04	42212034	42213033	Gmdrm	hypo	CHH	-0.0328
Gm04	42235585	42236540	Gmdrm	hypo	CHH	-0.0142

Gm04	42236594	42237582	Gmdrm	hypo	CHH	-0.0283
Gm04	42296217	42297173	Gmdrm	hypo	CHH	-0.0334
Gm04	42307015	42307943	Gmdrm	hypo	CHH	-0.0743
Gm04	42320618	42321037	Gmdrm	hypo	CHH	-0.0807
Gm04	42347420	42348090	Gmdrm	hypo	CHH	-0.0293
Gm04	42374933	42375933	Gmdrm	hypo	CHH	-0.0339
Gm04	42376684	42377673	Gmdrm	hypo	CHH	-0.0648
Gm04	42384446	42385308	Gmdrm	hypo	CHH	-0.0918
Gm04	42391680	42392664	Gmdrm	hypo	CHH	-0.0343
Gm04	42392691	42393667	Gmdrm	hypo	CHH	-0.0607
Gm04	42402116	42403107	Gmdrm	hypo	CHH	-0.0434
Gm04	42422439	42423434	Gmdrm	hypo	CHH	-0.0764
Gm04	42430992	42431983	Gmdrm	hypo	CHH	-0.0185
Gm04	42433009	42433998	Gmdrm	hypo	CHH	-0.0437
Gm04	42441652	42442645	Gmdrm	hypo	CHH	-0.1745
Gm04	42450705	42451704	Gmdrm	hypo	CHH	-0.0346
Gm04	42453091	42454072	Gmdrm	hypo	CHH	-0.0155
Gm04	42455071	42455892	Gmdrm	hypo	CHH	-0.3421
Gm04	42458127	42459126	Gmdrm	hypo	CHH	-0.0224
Gm04	42459139	42460072	Gmdrm	hypo	CHH	-0.0817
Gm04	42465213	42466213	Gmdrm	hypo	CHH	-0.0979
Gm04	42466219	42467198	Gmdrm	hypo	CHH	-0.0692
Gm04	42483843	42484833	Gmdrm	hypo	CHH	-0.0116
Gm04	42493924	42494659	Gmdrm	hypo	CHH	-0.0148
Gm04	42495989	42496928	Gmdrm	hypo	CHH	-0.0436
Gm04	42496997	42497993	Gmdrm	hypo	CHH	-0.0159
Gm04	42497999	42498992	Gmdrm	hypo	CHH	-0.0271
Gm04	42501028	42502023	Gmdrm	hypo	CHH	-0.0519
Gm04	42520228	42521225	Gmdrm	hypo	CHH	-0.118
Gm04	42525795	42526794	Gmdrm	hypo	CHH	-0.0462
Gm04	42562955	42563937	Gmdrm	hypo	CHH	-0.0327
Gm04	42563966	42564951	Gmdrm	hypo	CHH	-0.0408
Gm04	42564975	42565973	Gmdrm	hypo	CHH	-0.0231
Gm04	42576366	42577351	Gmdrm	hypo	CHH	-0.0173
Gm04	42582148	42583147	Gmdrm	hypo	CHH	-0.0561
Gm04	42583152	42584137	Gmdrm	hypo	CHH	-0.032
Gm04	42584153	42585153	Gmdrm	hypo	CHH	-0.0334
Gm04	42616892	42617394	Gmdrm	hypo	CHH	-0.0155
Gm04	42622223	42622322	Gmdrm	hypo	CHH	-0.03
Gm04	42623507	42624500	Gmdrm	hypo	CHH	-0.0172
Gm04	42626194	42627179	Gmdrm	hypo	CHH	-0.1582
Gm04	42627196	42627569	Gmdrm	hypo	CHH	-0.0932
Gm04	42629718	42630717	Gmdrm	hypo	CHH	-0.0411
Gm04	42630721	42631714	Gmdrm	hypo	CHH	-0.0402
Gm04	42721223	42722203	Gmdrm	hypo	CHH	-0.03
Gm04	42732084	42732569	Gmdrm	hypo	CHH	-0.0219

Gm04	42741808	42742794	Gmdrm	hypo	CHH	-0.0222
Gm04	42743828	42744816	Gmdrm	hypo	CHH	-0.0585
Gm04	42744829	42745819	Gmdrm	hypo	CHH	-0.1465
Gm04	42746871	42747722	Gmdrm	hypo	CHH	-0.0147
Gm04	42754623	42755621	Gmdrm	hypo	CHH	-0.0452
Gm04	42764702	42765700	Gmdrm	hypo	CHH	-0.0292
Gm04	42765734	42766167	Gmdrm	hypo	CHH	-0.0226
Gm04	42785469	42786436	Gmdrm	hypo	CHH	-0.0593
Gm04	42786473	42787473	Gmdrm	hypo	CHH	-0.0538
Gm04	42798363	42799363	Gmdrm	hypo	CHH	-0.0287
Gm04	42799394	42799849	Gmdrm	hypo	CHH	-0.1877
Gm04	42803685	42804681	Gmdrm	hypo	CHH	-0.099
Gm04	42824526	42825207	Gmdrm	hypo	CHH	-0.0235
Gm04	42825476	42826468	Gmdrm	hypo	CHH	-0.0137
Gm04	42832733	42833731	Gmdrm	hypo	CHH	-0.0157
Gm04	42835778	42836773	Gmdrm	hypo	CHH	-0.0923
Gm04	42837784	42838784	Gmdrm	hypo	CHH	-0.0511
Gm04	42838787	42839775	Gmdrm	hypo	CHH	-0.0658
Gm04	42844844	42845439	Gmdrm	hypo	CHH	-0.0266
Gm04	42845569	42846569	Gmdrm	hypo	CHH	-0.0318
Gm04	42846778	42847600	Gmdrm	hypo	CHH	-0.0917
Gm04	42858050	42859039	Gmdrm	hypo	CHH	-0.0393
Gm04	42885673	42886140	Gmdrm	hypo	CHH	-0.1169
Gm04	42901549	42901835	Gmdrm	hypo	CHH	-0.0225
Gm04	42902445	42903439	Gmdrm	hypo	CHH	-0.0867
Gm04	42910231	42911230	Gmdrm	hypo	CHH	-0.0453
Gm04	42917930	42918919	Gmdrm	hypo	CHH	-0.0177
Gm04	42920957	42921947	Gmdrm	hypo	CHH	-0.0455
Gm04	42969915	42970910	Gmdrm	hypo	CHH	-0.0314
Gm04	42977414	42978413	Gmdrm	hypo	CHH	-0.0217
Gm04	42984619	42985617	Gmdrm	hypo	CHH	-0.0136
Gm04	42985625	42986610	Gmdrm	hypo	CHH	-0.0651
Gm04	43006500	43007500	Gmdrm	hypo	CHH	-0.0361
Gm04	43007503	43008491	Gmdrm	hypo	CHH	-0.017
Gm04	43008507	43009501	Gmdrm	hypo	CHH	-0.081
Gm04	43009515	43010472	Gmdrm	hypo	CHH	-0.1226
Gm04	43033579	43034574	Gmdrm	hypo	CHH	-0.0776
Gm04	43034587	43035586	Gmdrm	hypo	CHH	-0.0708
Gm04	43035588	43036586	Gmdrm	hypo	CHH	-0.0219
Gm04	43036589	43037588	Gmdrm	hypo	CHH	-0.0216
Gm04	43039642	43040640	Gmdrm	hypo	CHH	-0.0239
Gm04	43040650	43041650	Gmdrm	hypo	CHH	-0.1665
Gm04	43052937	43053906	Gmdrm	hypo	CHH	-0.0231
Gm04	43055244	43056098	Gmdrm	hypo	CHH	-0.0171
Gm04	43065433	43066433	Gmdrm	hypo	CHH	-0.0315
Gm04	43067172	43068169	Gmdrm	hypo	CHH	-0.1177

Gm04	43068173	43069146	Gmdrm	hypo	CHH	-0.0411
Gm04	43069213	43069931	Gmdrm	hypo	CHH	-0.0294
Gm04	43076094	43077090	Gmdrm	hypo	CHH	-0.1108
Gm04	43077095	43078091	Gmdrm	hypo	CHH	-0.0367
Gm04	43105922	43106369	Gmdrm	hypo	CHH	-0.1561
Gm04	43106714	43107711	Gmdrm	hypo	CHH	-0.0205
Gm04	43123374	43124372	Gmdrm	hypo	CHH	-0.2419
Gm04	43124717	43125704	Gmdrm	hypo	CHH	-0.0224
Gm04	43129738	43130736	Gmdrm	hypo	CHH	-0.0812
Gm04	43130741	43131523	Gmdrm	hypo	CHH	-0.0943
Gm04	43140918	43141786	Gmdrm	hypo	CHH	-0.0848
Gm04	43145815	43146069	Gmdrm	hypo	CHH	-0.0335
Gm04	43147226	43148214	Gmdrm	hypo	CHH	-0.0219
Gm04	43150662	43151659	Gmdrm	hypo	CHH	-0.0379
Gm04	43171476	43172445	Gmdrm	hypo	CHH	-0.024
Gm04	43172484	43173480	Gmdrm	hypo	CHH	-0.0714
Gm04	43177427	43178359	Gmdrm	hypo	CHH	-0.1321
Gm04	43187153	43188151	Gmdrm	hypo	CHH	-0.0323
Gm04	43198067	43198651	Gmdrm	hypo	CHH	-0.0349
Gm04	43219714	43220712	Gmdrm	hypo	CHH	-0.0232
Gm04	43265232	43265630	Gmdrm	hypo	CHH	-0.085
Gm04	43265731	43266719	Gmdrm	hypo	CHH	-0.0489
Gm04	43267383	43268344	Gmdrm	hypo	CHH	-0.0257
Gm04	43272428	43273385	Gmdrm	hypo	CHH	-0.0118
Gm04	43284801	43285793	Gmdrm	hypo	CHH	-0.0652
Gm04	43290332	43290860	Gmdrm	hypo	CHH	-0.0225
Gm04	43293950	43294907	Gmdrm	hypo	CHH	-0.0375
Gm04	43296949	43297937	Gmdrm	hypo	CHH	-0.0251
Gm04	43302099	43303096	Gmdrm	hypo	CHH	-0.0567
Gm04	43311927	43312418	Gmdrm	hypo	CHH	-0.1482
Gm04	43314561	43315542	Gmdrm	hypo	CHH	-0.01
Gm04	43315571	43316557	Gmdrm	hypo	CHH	-0.0306
Gm04	43316572	43317568	Gmdrm	hypo	CHH	-0.0526
Gm04	43317579	43318563	Gmdrm	hypo	CHH	-0.0154
Gm04	43323526	43324516	Gmdrm	hypo	CHH	-0.0414
Gm04	43328586	43329564	Gmdrm	hypo	CHH	-0.0457
Gm04	43329859	43330845	Gmdrm	hypo	CHH	-0.0157
Gm04	43331953	43332938	Gmdrm	hypo	CHH	-0.0505
Gm04	43362172	43363147	Gmdrm	hypo	CHH	-0.0373
Gm04	43388233	43389180	Gmdrm	hypo	CHH	-0.2325
Gm04	43391597	43392006	Gmdrm	hypo	CHH	-0.02
Gm04	43392137	43393137	Gmdrm	hypo	CHH	-0.0395
Gm04	43393139	43394139	Gmdrm	hypo	CHH	-0.1719
Gm04	43395148	43396093	Gmdrm	hypo	CHH	-0.1703
Gm04	43398346	43399340	Gmdrm	hypo	CHH	-0.0441
Gm04	43407411	43408405	Gmdrm	hypo	CHH	-0.0406

Gm04	43412602	43412885	Gmdrm	hypo	CHH	-0.0591
Gm04	43423661	43424659	Gmdrm	hypo	CHH	-0.0225
Gm04	43424673	43425670	Gmdrm	hypo	CHH	-0.0948
Gm04	43437536	43438534	Gmdrm	hypo	CHH	-0.0243
Gm04	43443779	43444768	Gmdrm	hypo	CHH	-0.0535
Gm04	43445991	43446978	Gmdrm	hypo	CHH	-0.0215
Gm04	43446995	43447975	Gmdrm	hypo	CHH	-0.045
Gm04	43449080	43450076	Gmdrm	hypo	CHH	-0.0292
Gm04	43452292	43452680	Gmdrm	hypo	CHH	-0.2608
Gm04	43455815	43456104	Gmdrm	hypo	CHH	-0.0589
Gm04	43456732	43457714	Gmdrm	hypo	CHH	-0.0849
Gm04	43476440	43477426	Gmdrm	hypo	CHH	-0.0981
Gm04	43478459	43479458	Gmdrm	hypo	CHH	-0.0431
Gm04	43480423	43481394	Gmdrm	hypo	CHH	-0.0391
Gm04	43481425	43482423	Gmdrm	hypo	CHH	-0.0477
Gm04	43482448	43483448	Gmdrm	hypo	CHH	-0.0506
Gm04	43483450	43484450	Gmdrm	hypo	CHH	-0.0208
Gm04	43488660	43489127	Gmdrm	hypo	CHH	-0.0339
Gm04	43493108	43493902	Gmdrm	hypo	CHH	-0.0246
Gm04	43494021	43495014	Gmdrm	hypo	CHH	-0.0533
Gm04	43495024	43496007	Gmdrm	hypo	CHH	-0.2065
Gm04	43498075	43499063	Gmdrm	hypo	CHH	-0.0499
Gm04	43503506	43504501	Gmdrm	hypo	CHH	-0.0251
Gm04	43520084	43521077	Gmdrm	hypo	CHH	-0.027
Gm04	43521085	43521872	Gmdrm	hypo	CHH	-0.0783
Gm04	43523002	43524002	Gmdrm	hypo	CHH	-0.1251
Gm04	43526014	43526999	Gmdrm	hypo	CHH	-0.0809
Gm04	43530093	43531090	Gmdrm	hypo	CHH	-0.1757
Gm04	43532106	43533103	Gmdrm	hypo	CHH	-0.0617
Gm04	43533114	43534097	Gmdrm	hypo	CHH	-0.0294
Gm04	43536200	43537192	Gmdrm	hypo	CHH	-0.0778
Gm04	43537218	43537389	Gmdrm	hypo	CHH	-0.0372
Gm04	43537510	43538508	Gmdrm	hypo	CHH	-0.0506
Gm04	43538512	43539510	Gmdrm	hypo	CHH	-0.1628
Gm04	43539532	43540529	Gmdrm	hypo	CHH	-0.1702
Gm04	43540570	43541565	Gmdrm	hypo	CHH	-0.0168
Gm04	43543628	43544628	Gmdrm	hypo	CHH	-0.0862
Gm04	43544632	43545130	Gmdrm	hypo	CHH	-0.1137
Gm04	43545311	43546310	Gmdrm	hypo	CHH	-0.0394
Gm04	43569098	43569883	Gmdrm	hypo	CHH	-0.0188
Gm04	43573723	43574713	Gmdrm	hypo	CHH	-0.0447
Gm04	43576788	43577781	Gmdrm	hypo	CHH	-0.0189
Gm04	43581627	43582618	Gmdrm	hypo	CHH	-0.0301
Gm04	43590731	43591712	Gmdrm	hypo	CHH	-0.0595
Gm04	43591742	43592739	Gmdrm	hypo	CHH	-0.0113
Gm04	43596558	43597530	Gmdrm	hypo	CHH	-0.2886

Gm04	43597574	43598572	Gmdrm	hypo	CHH	-0.058
Gm04	43598580	43599580	Gmdrm	hypo	CHH	-0.0575
Gm04	43599624	43600623	Gmdrm	hypo	CHH	-0.0675
Gm04	43600635	43601618	Gmdrm	hypo	CHH	-0.0184
Gm04	43601648	43602648	Gmdrm	hypo	CHH	-0.0737
Gm04	43606447	43607400	Gmdrm	hypo	CHH	-0.0566
Gm04	43607448	43607822	Gmdrm	hypo	CHH	-0.0902
Gm04	43651287	43652269	Gmdrm	hypo	CHH	-0.0524
Gm04	43655821	43656816	Gmdrm	hypo	CHH	-0.0284
Gm04	43656833	43657833	Gmdrm	hypo	CHH	-0.0252
Gm04	43657843	43658842	Gmdrm	hypo	CHH	-0.0158
Gm04	43658845	43659830	Gmdrm	hypo	CHH	-0.0527
Gm04	43660901	43661893	Gmdrm	hypo	CHH	-0.0549
Gm04	43663485	43664482	Gmdrm	hypo	CHH	-0.1082
Gm04	43664496	43665339	Gmdrm	hypo	CHH	-0.1225
Gm04	43665503	43666503	Gmdrm	hypo	CHH	-0.1397
Gm04	43666517	43667516	Gmdrm	hypo	CHH	-0.0775
Gm04	43673522	43674498	Gmdrm	hypo	CHH	-0.0117
Gm04	43674527	43675520	Gmdrm	hypo	CHH	-0.0858
Gm04	43675529	43676521	Gmdrm	hypo	CHH	-0.0183
Gm04	43676543	43677541	Gmdrm	hypo	CHH	-0.0414
Gm04	43694738	43695089	Gmdrm	hypo	CHH	-0.0518
Gm04	43698280	43698975	Gmdrm	hypo	CHH	-0.0203
Gm04	43701617	43702595	Gmdrm	hypo	CHH	-0.0576
Gm04	43703658	43704648	Gmdrm	hypo	CHH	-0.0342
Gm04	43712763	43713763	Gmdrm	hypo	CHH	-0.0219
Gm04	43715774	43716760	Gmdrm	hypo	CHH	-0.0303
Gm04	43721819	43722805	Gmdrm	hypo	CHH	-0.0229
Gm04	43722826	43723813	Gmdrm	hypo	CHH	-0.0251
Gm04	43723838	43724838	Gmdrm	hypo	CHH	-0.0362
Gm04	43731878	43732848	Gmdrm	hypo	CHH	-0.1007
Gm04	43734929	43735689	Gmdrm	hypo	CHH	-0.163
Gm04	43741016	43742016	Gmdrm	hypo	CHH	-0.0537
Gm04	43742017	43743016	Gmdrm	hypo	CHH	-0.0401
Gm04	43746027	43747023	Gmdrm	hypo	CHH	-0.0439
Gm04	43747052	43748052	Gmdrm	hypo	CHH	-0.081
Gm04	43748056	43749051	Gmdrm	hypo	CHH	-0.023
Gm04	43749360	43750118	Gmdrm	hypo	CHH	-0.0256
Gm04	43763527	43764498	Gmdrm	hypo	CHH	-0.075
Gm04	43773732	43774726	Gmdrm	hypo	CHH	-0.0496
Gm04	43774784	43775255	Gmdrm	hypo	CHH	-0.0658
Gm04	43787131	43788114	Gmdrm	hypo	CHH	-0.0446
Gm04	43788137	43789130	Gmdrm	hypo	CHH	-0.0836
Gm04	43789151	43790133	Gmdrm	hypo	CHH	-0.1174
Gm04	43790162	43791160	Gmdrm	hypo	CHH	-0.024
Gm04	43793872	43794383	Gmdrm	hypo	CHH	-0.1063

Gm04	43794499	43795490	Gmdrm	hypo	CHH	-0.061
Gm04	43798250	43799246	Gmdrm	hypo	CHH	-0.0721
Gm04	43837598	43838591	Gmdrm	hypo	CHH	-0.0306
Gm04	43842750	43843748	Gmdrm	hypo	CHH	-0.0162
Gm04	43844321	43845321	Gmdrm	hypo	CHH	-0.0665
Gm04	43854443	43855441	Gmdrm	hypo	CHH	-0.04
Gm04	43871397	43872396	Gmdrm	hypo	CHH	-0.0158
Gm04	43872403	43873399	Gmdrm	hypo	CHH	-0.0303
Gm04	43873406	43874377	Gmdrm	hypo	CHH	-0.0383
Gm04	43892670	43893653	Gmdrm	hypo	CHH	-0.1145
Gm04	43897395	43898391	Gmdrm	hypo	CHH	-0.0953
Gm04	43914831	43915830	Gmdrm	hypo	CHH	-0.0564
Gm04	43915866	43916812	Gmdrm	hypo	CHH	-0.0602
Gm04	43917845	43918835	Gmdrm	hypo	CHH	-0.1733
Gm04	43918857	43919838	Gmdrm	hypo	CHH	-0.0461
Gm04	43921469	43922450	Gmdrm	hypo	CHH	-0.1212
Gm04	43927265	43927902	Gmdrm	hypo	CHH	-0.1158
Gm04	43934654	43934712	Gmdrm	hypo	CHH	-0.0375
Gm04	43934817	43935799	Gmdrm	hypo	CHH	-0.0507
Gm04	43956786	43957727	Gmdrm	hypo	CHH	-0.2677
Gm04	43958793	43959788	Gmdrm	hypo	CHH	-0.0146
Gm04	43959816	43960796	Gmdrm	hypo	CHH	-0.0312
Gm04	43961836	43962836	Gmdrm	hypo	CHH	-0.0513
Gm04	43979525	43980515	Gmdrm	hypo	CHH	-0.0615
Gm04	44001549	44002545	Gmdrm	hypo	CHH	-0.051
Gm04	44014966	44015913	Gmdrm	hypo	CHH	-0.0275
Gm04	44029330	44030267	Gmdrm	hypo	CHH	-0.0159
Gm04	44048983	44049959	Gmdrm	hypo	CHH	-0.0146
Gm04	44049984	44050981	Gmdrm	hypo	CHH	-0.0491
Gm04	44074036	44075028	Gmdrm	hypo	CHH	-0.0234
Gm04	44076453	44077051	Gmdrm	hypo	CHH	-0.0842
Gm04	44081389	44082386	Gmdrm	hypo	CHH	-0.0964
Gm04	44083108	44084103	Gmdrm	hypo	CHH	-0.0118
Gm04	44089431	44090424	Gmdrm	hypo	CHH	-0.0436
Gm04	44097182	44097216	Gmdrm	hypo	CHH	-0.0985
Gm04	44099768	44100590	Gmdrm	hypo	CHH	-0.0878
Gm04	44100703	44101455	Gmdrm	hypo	CHH	-0.083
Gm04	44106760	44107728	Gmdrm	hypo	CHH	-0.0616
Gm04	44109962	44110950	Gmdrm	hypo	CHH	-0.02
Gm04	44112290	44113290	Gmdrm	hypo	CHH	-0.0154
Gm04	44113291	44114256	Gmdrm	hypo	CHH	-0.0342
Gm04	44114302	44114418	Gmdrm	hypo	CHH	-0.065
Gm04	44116925	44117922	Gmdrm	hypo	CHH	-0.0221
Gm04	44135539	44136539	Gmdrm	hypo	CHH	-0.1751
Gm04	44136574	44136635	Gmdrm	hypo	CHH	-0.1658
Gm04	44136749	44136828	Gmdrm	hypo	CHH	-0.2047

Gm04	44144383	44145379	Gmdrm	hypo	CHH	-0.1519
Gm04	44150484	44151483	Gmdrm	hypo	CHH	-0.0343
Gm04	44151486	44152439	Gmdrm	hypo	CHH	-0.0896
Gm04	44167912	44168892	Gmdrm	hypo	CHH	-0.0125
Gm04	44173923	44174918	Gmdrm	hypo	CHH	-0.1215
Gm04	44182433	44183392	Gmdrm	hypo	CHH	-0.0622
Gm04	44208527	44209520	Gmdrm	hypo	CHH	-0.0326
Gm04	44220018	44221002	Gmdrm	hypo	CHH	-0.0202
Gm04	44221020	44222007	Gmdrm	hypo	CHH	-0.024
Gm04	44224060	44225047	Gmdrm	hypo	CHH	-0.0263
Gm04	44225069	44226059	Gmdrm	hypo	CHH	-0.0368
Gm04	44226078	44226828	Gmdrm	hypo	CHH	-0.0769
Gm04	44238442	44239437	Gmdrm	hypo	CHH	-0.0583
Gm04	44245477	44246453	Gmdrm	hypo	CHH	-0.0496
Gm04	44246487	44247487	Gmdrm	hypo	CHH	-0.0973
Gm04	44247489	44248468	Gmdrm	hypo	CHH	-0.0416
Gm04	44248515	44248596	Gmdrm	hypo	CHH	-0.04
Gm04	44253299	44254296	Gmdrm	hypo	CHH	-0.1321
Gm04	44262340	44262684	Gmdrm	hypo	CHH	-0.0691
Gm04	44266060	44267038	Gmdrm	hypo	CHH	-0.0209
Gm04	44276686	44277670	Gmdrm	hypo	CHH	-0.0463
Gm04	44277972	44278760	Gmdrm	hypo	CHH	-0.0163
Gm04	44278867	44279857	Gmdrm	hypo	CHH	-0.02
Gm04	44282384	44283291	Gmdrm	hypo	CHH	-0.0596
Gm04	44292184	44293177	Gmdrm	hypo	CHH	-0.0806
Gm04	44307314	44308305	Gmdrm	hypo	CHH	-0.1251
Gm04	44308321	44309320	Gmdrm	hypo	CHH	-0.0405
Gm04	44309349	44310339	Gmdrm	hypo	CHH	-0.0705
Gm04	44310356	44311348	Gmdrm	hypo	CHH	-0.1799
Gm04	44319440	44320438	Gmdrm	hypo	CHH	-0.1126
Gm04	44320445	44321442	Gmdrm	hypo	CHH	-0.0429
Gm04	44321453	44322450	Gmdrm	hypo	CHH	-0.0204
Gm04	44326472	44327434	Gmdrm	hypo	CHH	-0.0496
Gm04	44332266	44333266	Gmdrm	hypo	CHH	-0.018
Gm04	44339349	44340318	Gmdrm	hypo	CHH	-0.0453
Gm04	44341402	44342400	Gmdrm	hypo	CHH	-0.0277
Gm04	44342409	44343395	Gmdrm	hypo	CHH	-0.0315
Gm04	44343411	44344409	Gmdrm	hypo	CHH	-0.0121
Gm04	44344412	44345412	Gmdrm	hypo	CHH	-0.0253
Gm04	44345425	44346422	Gmdrm	hypo	CHH	-0.0371
Gm04	44346445	44347435	Gmdrm	hypo	CHH	-0.0323
Gm04	44348934	44349886	Gmdrm	hypo	CHH	-0.0727
Gm04	44351475	44352464	Gmdrm	hypo	CHH	-0.0636
Gm04	44358512	44359512	Gmdrm	hypo	CHH	-0.0528
Gm04	44359519	44360508	Gmdrm	hypo	CHH	-0.029
Gm04	44362566	44363543	Gmdrm	hypo	CHH	-0.0198

Gm04	44369312	44370257	Gmdrm	hypo	CHH	-0.0379
Gm04	44370324	44371275	Gmdrm	hypo	CHH	-0.0222
Gm04	44372038	44373029	Gmdrm	hypo	CHH	-0.0569
Gm04	44373045	44374033	Gmdrm	hypo	CHH	-0.0254
Gm04	44374051	44375047	Gmdrm	hypo	CHH	-0.0646
Gm04	44378694	44379051	Gmdrm	hypo	CHH	-0.0361
Gm04	44380192	44380524	Gmdrm	hypo	CHH	-0.0428
Gm04	44380861	44381852	Gmdrm	hypo	CHH	-0.3217
Gm04	44381880	44382861	Gmdrm	hypo	CHH	-0.1252
Gm04	44382886	44383873	Gmdrm	hypo	CHH	-0.0361
Gm04	44392162	44392951	Gmdrm	hypo	CHH	-0.0928
Gm04	44397531	44398502	Gmdrm	hypo	CHH	-0.0297
Gm04	44398584	44399583	Gmdrm	hypo	CHH	-0.013
Gm04	44404929	44405916	Gmdrm	hypo	CHH	-0.021
Gm04	44419948	44420940	Gmdrm	hypo	CHH	-0.0231
Gm04	44424274	44425268	Gmdrm	hypo	CHH	-0.127
Gm04	44431958	44432952	Gmdrm	hypo	CHH	-0.036
Gm04	44432959	44433954	Gmdrm	hypo	CHH	-0.0553
Gm04	44433964	44434462	Gmdrm	hypo	CHH	-0.0507
Gm04	44440191	44441187	Gmdrm	hypo	CHH	-0.0778
Gm04	44454714	44455674	Gmdrm	hypo	CHH	-0.0157
Gm04	44467330	44468330	Gmdrm	hypo	CHH	-0.0262
Gm04	44468335	44469322	Gmdrm	hypo	CHH	-0.0351
Gm04	44471089	44472089	Gmdrm	hypo	CHH	-0.1806
Gm04	44476141	44477122	Gmdrm	hypo	CHH	-0.0239
Gm04	44477699	44478692	Gmdrm	hypo	CHH	-0.0296
Gm04	44489469	44490424	Gmdrm	hypo	CHH	-0.059
Gm04	44497187	44497738	Gmdrm	hypo	CHH	-0.1198
Gm04	44499507	44500426	Gmdrm	hypo	CHH	-0.2068
Gm04	44508319	44509313	Gmdrm	hypo	CHH	-0.1822
Gm04	44510384	44511379	Gmdrm	hypo	CHH	-0.0341
Gm04	44511403	44511959	Gmdrm	hypo	CHH	-0.0173
Gm04	44557571	44558566	Gmdrm	hypo	CHH	-0.0412
Gm04	44566672	44567666	Gmdrm	hypo	CHH	-0.0785
Gm04	44567683	44568678	Gmdrm	hypo	CHH	-0.0309
Gm04	44583789	44584662	Gmdrm	hypo	CHH	-0.0518
Gm04	44591598	44592598	Gmdrm	hypo	CHH	-0.0153
Gm04	44607116	44608113	Gmdrm	hypo	CHH	-0.0182
Gm04	44614705	44615592	Gmdrm	hypo	CHH	-0.1813
Gm04	44615866	44616639	Gmdrm	hypo	CHH	-0.0645
Gm04	44625645	44626645	Gmdrm	hypo	CHH	-0.1017
Gm04	44626650	44627649	Gmdrm	hypo	CHH	-0.1098
Gm04	44632024	44633011	Gmdrm	hypo	CHH	-0.045
Gm04	44635308	44636302	Gmdrm	hypo	CHH	-0.0702
Gm04	44638791	44639791	Gmdrm	hypo	CHH	-0.0358
Gm04	44640682	44641668	Gmdrm	hypo	CHH	-0.0331

Gm04	44641702	44642686 Gmdrm	hypo	CHH	-0.0976
Gm04	44649577	44649755 Gmdrm	hypo	CHH	-0.04
Gm04	44653299	44653852 Gmdrm	hypo	CHH	-0.0424
Gm04	44662384	44663351 Gmdrm	hypo	CHH	-0.2611
Gm04	44663396	44664378 Gmdrm	hypo	CHH	-0.0153
Gm04	44664417	44665416 Gmdrm	hypo	CHH	-0.0887
Gm04	44668441	44669437 Gmdrm	hypo	CHH	-0.0249
Gm04	44669469	44670454 Gmdrm	hypo	CHH	-0.0721
Gm04	44672531	44673528 Gmdrm	hypo	CHH	-0.1678
Gm04	44673532	44674314 Gmdrm	hypo	CHH	-0.1986
Gm04	44677716	44678587 Gmdrm	hypo	CHH	-0.0202
Gm04	44681337	44682328 Gmdrm	hypo	CHH	-0.0561
Gm04	44682340	44683266 Gmdrm	hypo	CHH	-0.0901
Gm04	44694396	44695390 Gmdrm	hypo	CHH	-0.0175
Gm04	44708698	44709140 Gmdrm	hypo	CHH	-0.0552
Gm04	44713556	44714144 Gmdrm	hypo	CHH	-0.0292
Gm04	44716339	44717337 Gmdrm	hypo	CHH	-0.0395
Gm04	44730612	44731595 Gmdrm	hypo	CHH	-0.0129
Gm04	44734367	44735362 Gmdrm	hypo	CHH	-0.018
Gm04	44739947	44740911 Gmdrm	hypo	CHH	-0.0274
Gm04	44740956	44741854 Gmdrm	hypo	CHH	-0.0754
Gm04	44754897	44755800 Gmdrm	hypo	CHH	-0.0244
Gm04	44755933	44756929 Gmdrm	hypo	CHH	-0.0607
Gm04	44756936	44757919 Gmdrm	hypo	CHH	-0.0611
Gm04	44764095	44765094 Gmdrm	hypo	CHH	-0.111
Gm04	44768466	44769462 Gmdrm	hypo	CHH	-0.0161
Gm04	44769474	44770471 Gmdrm	hypo	CHH	-0.08
Gm04	44770476	44771473 Gmdrm	hypo	CHH	-0.0219
Gm04	44773527	44774526 Gmdrm	hypo	CHH	-0.0489
Gm04	44781287	44782240 Gmdrm	hypo	CHH	-0.0097
Gm04	44784488	44784739 Gmdrm	hypo	CHH	-0.0323
Gm04	44787312	44787737 Gmdrm	hypo	CHH	-0.0324
Gm04	44787893	44788027 Gmdrm	hypo	CHH	-0.0688
Gm04	44795817	44796802 Gmdrm	hypo	CHH	-0.0126
Gm04	44796828	44797802 Gmdrm	hypo	CHH	-0.1336
Gm04	44835431	44836426 Gmdrm	hypo	CHH	-0.0951
Gm04	44836434	44837322 Gmdrm	hypo	CHH	-0.0695
Gm04	44837434	44838388 Gmdrm	hypo	CHH	-0.0195
Gm04	44838438	44839410 Gmdrm	hypo	CHH	-0.0988
Gm04	44842433	44843429 Gmdrm	hypo	CHH	-0.0232
Gm04	44847905	44848014 Gmdrm	hypo	CHH	-0.0537
Gm04	44860390	44861384 Gmdrm	hypo	CHH	-0.0252
Gm04	44865608	44866171 Gmdrm	hypo	CHH	-0.0225
Gm04	44873118	44874117 Gmdrm	hypo	CHH	-0.0595
Gm04	44874119	44875111 Gmdrm	hypo	CHH	-0.0535
Gm04	44876144	44876288 Gmdrm	hypo	CHH	-0.2192

Gm04	44876453	44877423	Gmdrm	hypo	CHH	-0.1073
Gm04	44877471	44878471	Gmdrm	hypo	CHH	-0.1032
Gm04	44883761	44884756	Gmdrm	hypo	CHH	-0.17
Gm04	44892287	44893269	Gmdrm	hypo	CHH	-0.0594
Gm04	44898271	44898614	Gmdrm	hypo	CHH	-0.0384
Gm04	44902516	44903420	Gmdrm	hypo	CHH	-0.2764
Gm04	44904180	44904398	Gmdrm	hypo	CHH	-0.0426
Gm04	44907525	44908495	Gmdrm	hypo	CHH	-0.052
Gm04	44924893	44925865	Gmdrm	hypo	CHH	-0.3065
Gm04	44932035	44933029	Gmdrm	hypo	CHH	-0.1575
Gm04	44941952	44942934	Gmdrm	hypo	CHH	-0.0549
Gm04	44942955	44943939	Gmdrm	hypo	CHH	-0.0408
Gm04	44943972	44944969	Gmdrm	hypo	CHH	-0.024
Gm04	44949029	44950024	Gmdrm	hypo	CHH	-0.2067
Gm04	44956122	44957116	Gmdrm	hypo	CHH	-0.0177
Gm04	44963697	44964697	Gmdrm	hypo	CHH	-0.1419
Gm04	44968744	44969739	Gmdrm	hypo	CHH	-0.1153
Gm04	44970771	44971767	Gmdrm	hypo	CHH	-0.0679
Gm04	44972405	44972472	Gmdrm	hypo	CHH	-0.05
Gm04	44972591	44973576	Gmdrm	hypo	CHH	-0.0389
Gm04	44975943	44976919	Gmdrm	hypo	CHH	-0.015
Gm04	44977972	44978970	Gmdrm	hypo	CHH	-0.2276
Gm04	44987989	44988982	Gmdrm	hypo	CHH	-0.0662
Gm04	44989032	44989717	Gmdrm	hypo	CHH	-0.0216
Gm04	44996811	44997808	Gmdrm	hypo	CHH	-0.2474
Gm04	45000337	45001330	Gmdrm	hypo	CHH	-0.1062
Gm04	45001347	45001530	Gmdrm	hypo	CHH	-0.0335
Gm04	45016754	45017750	Gmdrm	hypo	CHH	-0.0179
Gm04	45017779	45018772	Gmdrm	hypo	CHH	-0.0195
Gm04	45022558	45023553	Gmdrm	hypo	CHH	-0.0803
Gm04	45027176	45028167	Gmdrm	hypo	CHH	-0.1681
Gm04	45030868	45031775	Gmdrm	hypo	CHH	-0.0184
Gm04	45039083	45040083	Gmdrm	hypo	CHH	-0.2662
Gm04	45056660	45057657	Gmdrm	hypo	CHH	-0.0164
Gm04	45069901	45070898	Gmdrm	hypo	CHH	-0.0961
Gm04	45079958	45080958	Gmdrm	hypo	CHH	-0.0203
Gm04	45102174	45103172	Gmdrm	hypo	CHH	-0.0257
Gm04	45125486	45126482	Gmdrm	hypo	CHH	-0.0552
Gm04	45126492	45127406	Gmdrm	hypo	CHH	-0.05
Gm04	45135647	45136632	Gmdrm	hypo	CHH	-0.072
Gm04	45142063	45143040	Gmdrm	hypo	CHH	-0.0459
Gm04	45154112	45155109	Gmdrm	hypo	CHH	-0.0125
Gm04	45155115	45156114	Gmdrm	hypo	CHH	-0.0459
Gm04	45157137	45158088	Gmdrm	hypo	CHH	-0.0226
Gm04	45203287	45203958	Gmdrm	hypo	CHH	-0.0415
Gm04	45223829	45224822	Gmdrm	hypo	CHH	-0.0181

Gm04	45241882	45242879	Gmdrm	hypo	CHH	-0.0715
Gm04	45245559	45246545	Gmdrm	hypo	CHH	-0.1104
Gm04	45248115	45249105	Gmdrm	hypo	CHH	-0.0729
Gm04	45257831	45258761	Gmdrm	hypo	CHH	-0.0137
Gm04	45269586	45270572	Gmdrm	hypo	CHH	-0.0313
Gm04	45274057	45274927	Gmdrm	hypo	CHH	-0.0189
Gm04	45275674	45276604	Gmdrm	hypo	CHH	-0.0365
Gm04	45295322	45295720	Gmdrm	hypo	CHH	-0.0456
Gm04	45297106	45297477	Gmdrm	hypo	CHH	-0.0384
Gm04	45297583	45298557	Gmdrm	hypo	CHH	-0.0135
Gm04	45298586	45299585	Gmdrm	hypo	CHH	-0.0483
Gm04	45299587	45300583	Gmdrm	hypo	CHH	-0.0889
Gm04	45309054	45310052	Gmdrm	hypo	CHH	-0.1395
Gm04	45310055	45311032	Gmdrm	hypo	CHH	-0.1112
Gm04	45314370	45315360	Gmdrm	hypo	CHH	-0.1827
Gm04	45322266	45323262	Gmdrm	hypo	CHH	-0.0501
Gm04	45327805	45328780	Gmdrm	hypo	CHH	-0.0154
Gm04	45329835	45330582	Gmdrm	hypo	CHH	-0.1312
Gm04	45336208	45337202	Gmdrm	hypo	CHH	-0.0306
Gm04	45345970	45346944	Gmdrm	hypo	CHH	-0.3299
Gm04	45350490	45351468	Gmdrm	hypo	CHH	-0.0132
Gm04	45366616	45367604	Gmdrm	hypo	CHH	-0.1023
Gm04	45368678	45369129	Gmdrm	hypo	CHH	-0.037
Gm04	45380083	45381082	Gmdrm	hypo	CHH	-0.2481
Gm04	45381085	45381929	Gmdrm	hypo	CHH	-0.1461
Gm04	45382034	45383028	Gmdrm	hypo	CHH	-0.05
Gm04	45383950	45384795	Gmdrm	hypo	CHH	-0.0271
Gm04	45385951	45386748	Gmdrm	hypo	CHH	-0.0419
Gm04	45390460	45391459	Gmdrm	hypo	CHH	-0.0192
Gm04	45403863	45404861	Gmdrm	hypo	CHH	-0.0678
Gm04	45410118	45411112	Gmdrm	hypo	CHH	-0.0136
Gm04	45411694	45412597	Gmdrm	hypo	CHH	-0.0781
Gm04	45413239	45414238	Gmdrm	hypo	CHH	-0.056
Gm04	45414241	45415228	Gmdrm	hypo	CHH	-0.0678
Gm04	45433094	45434090	Gmdrm	hypo	CHH	-0.0495
Gm04	45434096	45434965	Gmdrm	hypo	CHH	-0.2559
Gm04	45435378	45436374	Gmdrm	hypo	CHH	-0.0264
Gm04	45442290	45443290	Gmdrm	hypo	CHH	-0.0592
Gm04	45447173	45448156	Gmdrm	hypo	CHH	-0.0336
Gm04	45452599	45453596	Gmdrm	hypo	CHH	-0.0801
Gm04	45457605	45458578	Gmdrm	hypo	CHH	-0.1146
Gm04	45469226	45470225	Gmdrm	hypo	CHH	-0.1331
Gm04	45470229	45471228	Gmdrm	hypo	CHH	-0.0342
Gm04	45472613	45473609	Gmdrm	hypo	CHH	-0.0364
Gm04	45479470	45480470	Gmdrm	hypo	CHH	-0.3084
Gm04	45481955	45482078	Gmdrm	hypo	CHH	-0.0372

Gm04	45498578	45499044	Gmdrm	hypo	CHH	-0.1047
Gm04	45503287	45504286	Gmdrm	hypo	CHH	-0.018
Gm04	45507778	45508573	Gmdrm	hypo	CHH	-0.1303
Gm04	45522610	45523606	Gmdrm	hypo	CHH	-0.1019
Gm04	45523645	45523811	Gmdrm	hypo	CHH	-0.0725
Gm04	45523913	45524321	Gmdrm	hypo	CHH	-0.0534
Gm04	45531919	45532889	Gmdrm	hypo	CHH	-0.0482
Gm04	45552104	45552842	Gmdrm	hypo	CHH	-0.3655
Gm04	45561643	45562610	Gmdrm	hypo	CHH	-0.0889
Gm04	45571656	45572650	Gmdrm	hypo	CHH	-0.0387
Gm04	45572657	45573657	Gmdrm	hypo	CHH	-0.0686
Gm04	45573669	45574630	Gmdrm	hypo	CHH	-0.0479
Gm04	45574676	45575188	Gmdrm	hypo	CHH	-0.027
Gm04	45575510	45576487	Gmdrm	hypo	CHH	-0.0745
Gm04	45597066	45598030	Gmdrm	hypo	CHH	-0.0219
Gm04	45598092	45599072	Gmdrm	hypo	CHH	-0.048
Gm04	45599875	45600866	Gmdrm	hypo	CHH	-0.0166
Gm04	45601921	45602895	Gmdrm	hypo	CHH	-0.3327
Gm04	45602948	45603947	Gmdrm	hypo	CHH	-0.0224
Gm04	45603953	45604949	Gmdrm	hypo	CHH	-0.0146
Gm04	45615517	45615676	Gmdrm	hypo	CHH	-0.09
Gm04	45619432	45620417	Gmdrm	hypo	CHH	-0.0215
Gm04	45625468	45625836	Gmdrm	hypo	CHH	-0.1501
Gm04	45631097	45632093	Gmdrm	hypo	CHH	-0.0608
Gm04	45632102	45633102	Gmdrm	hypo	CHH	-0.0237
Gm04	45633107	45634100	Gmdrm	hypo	CHH	-0.0558
Gm04	45634142	45635127	Gmdrm	hypo	CHH	-0.0539
Gm04	45635167	45636166	Gmdrm	hypo	CHH	-0.0481
Gm04	45636175	45637165	Gmdrm	hypo	CHH	-0.0562
Gm04	45637974	45638962	Gmdrm	hypo	CHH	-0.0715
Gm04	45638982	45639952	Gmdrm	hypo	CHH	-0.0263
Gm04	45651299	45651944	Gmdrm	hypo	CHH	-0.0418
Gm04	45652051	45652997	Gmdrm	hypo	CHH	-0.024
Gm04	45658071	45659064	Gmdrm	hypo	CHH	-0.195
Gm04	45664127	45665099	Gmdrm	hypo	CHH	-0.0607
Gm04	45669005	45669498	Gmdrm	hypo	CHH	-0.0243
Gm04	45677246	45678244	Gmdrm	hypo	CHH	-0.0103
Gm04	45679772	45680737	Gmdrm	hypo	CHH	-0.0172
Gm04	45680780	45681748	Gmdrm	hypo	CHH	-0.0183
Gm04	45683852	45684851	Gmdrm	hypo	CHH	-0.0162
Gm04	45684864	45685862	Gmdrm	hypo	CHH	-0.0365
Gm04	45686994	45687117	Gmdrm	hypo	CHH	-0.07
Gm04	45694088	45694228	Gmdrm	hypo	CHH	-0.0514
Gm04	45697136	45698133	Gmdrm	hypo	CHH	-0.0399
Gm04	45700900	45701892	Gmdrm	hypo	CHH	-0.0149
Gm04	45711311	45712309	Gmdrm	hypo	CHH	-0.0926

Gm04	45712316	45713312	Gmdrm	hypo	CHH	-0.1366
Gm04	45714331	45714745	Gmdrm	hypo	CHH	-0.1745
Gm04	45722389	45722549	Gmdrm	hypo	CHH	-0.132
Gm04	45723682	45724681	Gmdrm	hypo	CHH	-0.0303
Gm04	45737514	45738514	Gmdrm	hypo	CHH	-0.081
Gm04	45738517	45739485	Gmdrm	hypo	CHH	-0.0307
Gm04	45741061	45742050	Gmdrm	hypo	CHH	-0.1004
Gm04	45745126	45745729	Gmdrm	hypo	CHH	-0.0232
Gm04	45751116	45752104	Gmdrm	hypo	CHH	-0.0564
Gm04	45752134	45753107	Gmdrm	hypo	CHH	-0.0227
Gm04	45755903	45756165	Gmdrm	hypo	CHH	-0.0637
Gm04	45758918	45759914	Gmdrm	hypo	CHH	-0.022
Gm04	45759923	45760921	Gmdrm	hypo	CHH	-0.0208
Gm04	45763724	45764164	Gmdrm	hypo	CHH	-0.0255
Gm04	45765482	45766476	Gmdrm	hypo	CHH	-0.0337
Gm04	45771210	45771770	Gmdrm	hypo	CHH	-0.0234
Gm04	45776051	45776984	Gmdrm	hypo	CHH	-0.0413
Gm04	45789476	45790467	Gmdrm	hypo	CHH	-0.0281
Gm04	45796313	45797042	Gmdrm	hypo	CHH	-0.0771
Gm04	45799193	45799928	Gmdrm	hypo	CHH	-0.025
Gm04	45826384	45827368	Gmdrm	hypo	CHH	-0.0154
Gm04	45832672	45833648	Gmdrm	hypo	CHH	-0.0173
Gm04	45835800	45836797	Gmdrm	hypo	CHH	-0.0679
Gm04	45842169	45843155	Gmdrm	hypo	CHH	-0.0151
Gm04	45846191	45847167	Gmdrm	hypo	CHH	-0.0142
Gm04	45853641	45854641	Gmdrm	hypo	CHH	-0.0484
Gm04	45861800	45862666	Gmdrm	hypo	CHH	-0.1987
Gm04	45865266	45866259	Gmdrm	hypo	CHH	-0.2149
Gm04	45866270	45867114	Gmdrm	hypo	CHH	-0.0802
Gm04	45870795	45871794	Gmdrm	hypo	CHH	-0.0284
Gm04	45890358	45891353	Gmdrm	hypo	CHH	-0.0158
Gm04	45893265	45894159	Gmdrm	hypo	CHH	-0.0339
Gm04	45900655	45901655	Gmdrm	hypo	CHH	-0.0491
Gm04	45901667	45902666	Gmdrm	hypo	CHH	-0.0876
Gm04	45903433	45904433	Gmdrm	hypo	CHH	-0.0309
Gm04	45908847	45909807	Gmdrm	hypo	CHH	-0.0255
Gm04	45915412	45915456	Gmdrm	hypo	CHH	-0.0514
Gm04	45916596	45917595	Gmdrm	hypo	CHH	-0.0118
Gm04	45917599	45918599	Gmdrm	hypo	CHH	-0.0562
Gm04	45918602	45919592	Gmdrm	hypo	CHH	-0.0185
Gm04	45919608	45920596	Gmdrm	hypo	CHH	-0.0244
Gm04	45921707	45922689	Gmdrm	hypo	CHH	-0.0506
Gm04	45945601	45946591	Gmdrm	hypo	CHH	-0.0207
Gm04	45946604	45947603	Gmdrm	hypo	CHH	-0.0256
Gm04	45947625	45948618	Gmdrm	hypo	CHH	-0.0188
Gm04	45949956	45950899	Gmdrm	hypo	CHH	-0.0154

Gm04	45950975	45951971	Gmdrm	hypo	CHH	-0.2618
Gm04	45952641	45953636	Gmdrm	hypo	CHH	-0.0185
Gm04	45965443	45966441	Gmdrm	hypo	CHH	-0.0416
Gm04	45967458	45968455	Gmdrm	hypo	CHH	-0.0894
Gm04	45968461	45969442	Gmdrm	hypo	CHH	-0.1244
Gm04	45973120	45973996	Gmdrm	hypo	CHH	-0.0293
Gm04	45983083	45983685	Gmdrm	hypo	CHH	-0.2323
Gm04	45988954	45989570	Gmdrm	hypo	CHH	-0.0769
Gm04	46000201	46001196	Gmdrm	hypo	CHH	-0.0741
Gm04	46003212	46003792	Gmdrm	hypo	CHH	-0.0602
Gm04	46004495	46005485	Gmdrm	hypo	CHH	-0.0177
Gm04	46005498	46005983	Gmdrm	hypo	CHH	-0.0316
Gm04	46008511	46009506	Gmdrm	hypo	CHH	-0.0361
Gm04	46012161	46012867	Gmdrm	hypo	CHH	-0.04
Gm04	46013974	46014965	Gmdrm	hypo	CHH	-0.0426
Gm04	46023078	46024061	Gmdrm	hypo	CHH	-0.0405
Gm04	46024089	46025088	Gmdrm	hypo	CHH	-0.0586
Gm04	46027982	46028531	Gmdrm	hypo	CHH	-0.0129
Gm04	46028645	46029642	Gmdrm	hypo	CHH	-0.012
Gm04	46040274	46041273	Gmdrm	hypo	CHH	-0.0099
Gm04	46049340	46050335	Gmdrm	hypo	CHH	-0.2145
Gm04	46060553	46061551	Gmdrm	hypo	CHH	-0.0397
Gm04	46073056	46073636	Gmdrm	hypo	CHH	-0.0311
Gm04	46074764	46075762	Gmdrm	hypo	CHH	-0.0355
Gm04	46078615	46079385	Gmdrm	hypo	CHH	-0.0471
Gm04	46107622	46108338	Gmdrm	hypo	CHH	-0.042
Gm04	46108465	46109451	Gmdrm	hypo	CHH	-0.0468
Gm04	46109471	46110469	Gmdrm	hypo	CHH	-0.0896
Gm04	46110472	46110729	Gmdrm	hypo	CHH	-0.13
Gm04	46115609	46116074	Gmdrm	hypo	CHH	-0.0325
Gm04	46122199	46123183	Gmdrm	hypo	CHH	-0.0433
Gm04	46134769	46134947	Gmdrm	hypo	CHH	-0.1086
Gm04	46136321	46137309	Gmdrm	hypo	CHH	-0.0969
Gm04	46148268	46149235	Gmdrm	hypo	CHH	-0.1979
Gm04	46150283	46151254	Gmdrm	hypo	CHH	-0.12
Gm04	46151294	46152292	Gmdrm	hypo	CHH	-0.0167
Gm04	46155289	46156279	Gmdrm	hypo	CHH	-0.0841
Gm04	46157311	46158302	Gmdrm	hypo	CHH	-0.0165
Gm04	46158321	46159320	Gmdrm	hypo	CHH	-0.1194
Gm04	46168609	46168937	Gmdrm	hypo	CHH	-0.06
Gm04	46169148	46170147	Gmdrm	hypo	CHH	-0.0217
Gm04	46170151	46171132	Gmdrm	hypo	CHH	-0.0419
Gm04	46171181	46172017	Gmdrm	hypo	CHH	-0.1517
Gm04	46173884	46174847	Gmdrm	hypo	CHH	-0.0164
Gm04	46176915	46177914	Gmdrm	hypo	CHH	-0.025
Gm04	46182997	46183989	Gmdrm	hypo	CHH	-0.0921

Gm04	46195150	46196148	Gmdrm	hypo	CHH	-0.0468
Gm04	46196154	46197137	Gmdrm	hypo	CHH	-0.0434
Gm04	46208763	46209738	Gmdrm	hypo	CHH	-0.0176
Gm04	46210811	46211790	Gmdrm	hypo	CHH	-0.1008
Gm04	46212847	46213832	Gmdrm	hypo	CHH	-0.0176
Gm04	46213874	46214865	Gmdrm	hypo	CHH	-0.0272
Gm04	46214880	46215875	Gmdrm	hypo	CHH	-0.0316
Gm04	46218317	46218702	Gmdrm	hypo	CHH	-0.0177
Gm04	46222156	46222758	Gmdrm	hypo	CHH	-0.015
Gm04	46228824	46229820	Gmdrm	hypo	CHH	-0.0134
Gm04	46233379	46234365	Gmdrm	hypo	CHH	-0.0208
Gm04	46239551	46240524	Gmdrm	hypo	CHH	-0.022
Gm04	46240592	46241563	Gmdrm	hypo	CHH	-0.0252
Gm04	46241621	46242620	Gmdrm	hypo	CHH	-0.0349
Gm04	46242622	46243609	Gmdrm	hypo	CHH	-0.0675
Gm04	46252890	46253156	Gmdrm	hypo	CHH	-0.0186
Gm04	46253270	46254252	Gmdrm	hypo	CHH	-0.0206
Gm04	46263083	46264057	Gmdrm	hypo	CHH	-0.0635
Gm04	46265136	46266110	Gmdrm	hypo	CHH	-0.0185
Gm04	46271228	46272224	Gmdrm	hypo	CHH	-0.0184
Gm04	46272239	46273231	Gmdrm	hypo	CHH	-0.0385
Gm04	46273241	46273931	Gmdrm	hypo	CHH	-0.0167
Gm04	46277668	46278648	Gmdrm	hypo	CHH	-0.0681
Gm04	46278679	46279672	Gmdrm	hypo	CHH	-0.0588
Gm04	46279690	46280659	Gmdrm	hypo	CHH	-0.0865
Gm04	46281701	46282641	Gmdrm	hypo	CHH	-0.033
Gm04	46296004	46296994	Gmdrm	hypo	CHH	-0.023
Gm04	46297818	46298808	Gmdrm	hypo	CHH	-0.0288
Gm04	46310943	46311940	Gmdrm	hypo	CHH	-0.1017
Gm04	46331933	46332891	Gmdrm	hypo	CHH	-0.1722
Gm04	46338501	46339500	Gmdrm	hypo	CHH	-0.0339
Gm04	46341505	46342333	Gmdrm	hypo	CHH	-0.0487
Gm04	46349092	46350088	Gmdrm	hypo	CHH	-0.0093
Gm04	46353124	46354114	Gmdrm	hypo	CHH	-0.0406
Gm04	46354902	46355814	Gmdrm	hypo	CHH	-0.5086
Gm04	46355945	46356937	Gmdrm	hypo	CHH	-0.0986
Gm04	46356951	46357681	Gmdrm	hypo	CHH	-0.0454
Gm04	46357919	46358585	Gmdrm	hypo	CHH	-0.0222
Gm04	46363866	46364131	Gmdrm	hypo	CHH	-0.0193
Gm04	46370279	46371261	Gmdrm	hypo	CHH	-0.0288
Gm04	46371289	46372267	Gmdrm	hypo	CHH	-0.0193
Gm04	46372294	46373262	Gmdrm	hypo	CHH	-0.0681
Gm04	46373296	46373491	Gmdrm	hypo	CHH	-0.1235
Gm04	46381954	46382954	Gmdrm	hypo	CHH	-0.0204
Gm04	46382956	46383954	Gmdrm	hypo	CHH	-0.0676
Gm04	46383957	46384953	Gmdrm	hypo	CHH	-0.0447

Gm04	46385963	46386954	Gmdrm	hypo	CHH	-0.0418
Gm04	46386968	46387966	Gmdrm	hypo	CHH	-0.0278
Gm04	46387970	46388958	Gmdrm	hypo	CHH	-0.0426
Gm04	46395375	46396375	Gmdrm	hypo	CHH	-0.0812
Gm04	46396378	46397378	Gmdrm	hypo	CHH	-0.166
Gm04	46397390	46398383	Gmdrm	hypo	CHH	-0.0433
Gm04	46414412	46415399	Gmdrm	hypo	CHH	-0.079
Gm04	46417458	46418446	Gmdrm	hypo	CHH	-0.0133
Gm04	46418716	46418810	Gmdrm	hypo	CHH	-0.05
Gm04	46422290	46423287	Gmdrm	hypo	CHH	-0.0805
Gm04	46428974	46429964	Gmdrm	hypo	CHH	-0.0588
Gm04	46445341	46446335	Gmdrm	hypo	CHH	-0.0966
Gm04	46453698	46454248	Gmdrm	hypo	CHH	-0.0137
Gm04	46459186	46460181	Gmdrm	hypo	CHH	-0.0216
Gm04	46472051	46472957	Gmdrm	hypo	CHH	-0.0273
Gm04	46481996	46482987	Gmdrm	hypo	CHH	-0.1862
Gm04	46495769	46496747	Gmdrm	hypo	CHH	-0.2014
Gm04	46500114	46501100	Gmdrm	hypo	CHH	-0.018
Gm04	46527747	46528698	Gmdrm	hypo	CHH	-0.0296
Gm04	46535881	46536821	Gmdrm	hypo	CHH	-0.0161
Gm04	46553036	46553501	Gmdrm	hypo	CHH	-0.0272
Gm04	46556584	46557583	Gmdrm	hypo	CHH	-0.0336
Gm04	46557585	46558584	Gmdrm	hypo	CHH	-0.0749
Gm04	46558588	46559584	Gmdrm	hypo	CHH	-0.0526
Gm04	46566390	46567387	Gmdrm	hypo	CHH	-0.0108
Gm04	46567402	46568402	Gmdrm	hypo	CHH	-0.0141
Gm04	46568404	46569403	Gmdrm	hypo	CHH	-0.2088
Gm04	46569408	46570387	Gmdrm	hypo	CHH	-0.1943
Gm04	46570431	46570473	Gmdrm	hypo	CHH	-0.048
Gm04	46571586	46572171	Gmdrm	hypo	CHH	-0.0184
Gm04	46572406	46573406	Gmdrm	hypo	CHH	-0.1338
Gm04	46573407	46574385	Gmdrm	hypo	CHH	-0.2349
Gm04	46578675	46579647	Gmdrm	hypo	CHH	-0.1327
Gm04	46579683	46579890	Gmdrm	hypo	CHH	-0.35
Gm04	46584917	46585062	Gmdrm	hypo	CHH	-0.1639
Gm04	46585179	46585770	Gmdrm	hypo	CHH	-0.1089
Gm04	46586230	46587189	Gmdrm	hypo	CHH	-0.1115
Gm04	46603587	46604586	Gmdrm	hypo	CHH	-0.0231
Gm04	46604593	46605376	Gmdrm	hypo	CHH	-0.0295
Gm04	46606441	46607435	Gmdrm	hypo	CHH	-0.0146
Gm04	46618975	46619771	Gmdrm	hypo	CHH	-0.0143
Gm04	46620325	46621311	Gmdrm	hypo	CHH	-0.3458
Gm04	46622924	46623914	Gmdrm	hypo	CHH	-0.0101
Gm04	46635684	46636684	Gmdrm	hypo	CHH	-0.0208
Gm04	46637704	46638341	Gmdrm	hypo	CHH	-0.0197
Gm04	46644454	46645454	Gmdrm	hypo	CHH	-0.0589

Gm04	46650116	46650445	Gmdrm	hypo	CHH	-0.0561
Gm04	46651968	46652716	Gmdrm	hypo	CHH	-0.035
Gm04	46652819	46653819	Gmdrm	hypo	CHH	-0.0413
Gm04	46653820	46654779	Gmdrm	hypo	CHH	-0.0428
Gm04	46659464	46660462	Gmdrm	hypo	CHH	-0.0874
Gm04	46660465	46661462	Gmdrm	hypo	CHH	-0.0696
Gm04	46669130	46670114	Gmdrm	hypo	CHH	-0.062
Gm04	46672829	46673828	Gmdrm	hypo	CHH	-0.039
Gm04	46681887	46682887	Gmdrm	hypo	CHH	-0.0878
Gm04	46683917	46684911	Gmdrm	hypo	CHH	-0.0481
Gm04	46696044	46697006	Gmdrm	hypo	CHH	-0.013
Gm04	46702860	46703851	Gmdrm	hypo	CHH	-0.0196
Gm04	46709392	46710375	Gmdrm	hypo	CHH	-0.0492
Gm04	46727857	46728855	Gmdrm	hypo	CHH	-0.0307
Gm04	46728863	46729370	Gmdrm	hypo	CHH	-0.0408
Gm04	46745024	46746020	Gmdrm	hypo	CHH	-0.0161
Gm04	46746090	46747083	Gmdrm	hypo	CHH	-0.0167
Gm04	46756477	46757466	Gmdrm	hypo	CHH	-0.0599
Gm04	46758488	46759486	Gmdrm	hypo	CHH	-0.0387
Gm04	46762776	46763773	Gmdrm	hypo	CHH	-0.0365
Gm04	46770999	46771991	Gmdrm	hypo	CHH	-0.0165
Gm04	46781074	46782068	Gmdrm	hypo	CHH	-0.0116
Gm04	46792907	46793897	Gmdrm	hypo	CHH	-0.0151
Gm04	46793917	46794902	Gmdrm	hypo	CHH	-0.0401
Gm04	46802202	46803190	Gmdrm	hypo	CHH	-0.0215
Gm04	46804259	46805251	Gmdrm	hypo	CHH	-0.0463
Gm04	46806398	46807381	Gmdrm	hypo	CHH	-0.0129
Gm04	46808880	46809434	Gmdrm	hypo	CHH	-0.0275
Gm04	46813660	46814654	Gmdrm	hypo	CHH	-0.0267
Gm04	46817968	46818932	Gmdrm	hypo	CHH	-0.016
Gm04	46819255	46820117	Gmdrm	hypo	CHH	-0.0383
Gm04	46835450	46836037	Gmdrm	hypo	CHH	-0.0647
Gm04	46839639	46840638	Gmdrm	hypo	CHH	-0.1158
Gm04	46850067	46851037	Gmdrm	hypo	CHH	-0.3309
Gm04	46855389	46856137	Gmdrm	hypo	CHH	-0.0368
Gm04	46862595	46862745	Gmdrm	hypo	CHH	-0.0327
Gm04	46865892	46866866	Gmdrm	hypo	CHH	-0.0128
Gm04	46876018	46877016	Gmdrm	hypo	CHH	-0.0105
Gm04	46885758	46886758	Gmdrm	hypo	CHH	-0.1368
Gm04	46886759	46887601	Gmdrm	hypo	CHH	-0.229
Gm04	46888578	46889576	Gmdrm	hypo	CHH	-0.0742
Gm04	46897649	46898645	Gmdrm	hypo	CHH	-0.0361
Gm04	46898658	46899648	Gmdrm	hypo	CHH	-0.176
Gm04	46903546	46904546	Gmdrm	hypo	CHH	-0.0167
Gm04	46909796	46910783	Gmdrm	hypo	CHH	-0.0296
Gm04	46921234	46921489	Gmdrm	hypo	CHH	-0.0415

Gm04	46921627	46922154	Gmdrm	hypo	CHH	-0.0185
Gm04	46922261	46923237	Gmdrm	hypo	CHH	-0.0514
Gm04	46931020	46932019	Gmdrm	hypo	CHH	-0.0577
Gm04	46932021	46932999	Gmdrm	hypo	CHH	-0.0414
Gm04	46945278	46946276	Gmdrm	hypo	CHH	-0.1171
Gm04	46961359	46962358	Gmdrm	hypo	CHH	-0.2853
Gm04	46965408	46966386	Gmdrm	hypo	CHH	-0.0256
Gm04	46974607	46974958	Gmdrm	hypo	CHH	-0.0357
Gm04	46976852	46977844	Gmdrm	hypo	CHH	-0.2736
Gm04	46990245	46991236	Gmdrm	hypo	CHH	-0.1179
Gm04	46997883	46998875	Gmdrm	hypo	CHH	-0.0213
Gm04	47000560	47001551	Gmdrm	hypo	CHH	-0.0188
Gm04	47001571	47002568	Gmdrm	hypo	CHH	-0.0607
Gm04	47004592	47005592	Gmdrm	hypo	CHH	-0.3235
Gm04	47005601	47005909	Gmdrm	hypo	CHH	-0.3968
Gm04	47016519	47017519	Gmdrm	hypo	CHH	-0.145
Gm04	47017522	47018514	Gmdrm	hypo	CHH	-0.1386
Gm04	47021474	47022474	Gmdrm	hypo	CHH	-0.0354
Gm04	47022477	47023472	Gmdrm	hypo	CHH	-0.1656
Gm04	47033275	47034266	Gmdrm	hypo	CHH	-0.0181
Gm04	47046333	47047313	Gmdrm	hypo	CHH	-0.1245
Gm04	47051822	47052082	Gmdrm	hypo	CHH	-0.0269
Gm04	47052939	47053133	Gmdrm	hypo	CHH	-0.0925
Gm04	47080368	47081330	Gmdrm	hypo	CHH	-0.026
Gm04	47085920	47086900	Gmdrm	hypo	CHH	-0.0191
Gm04	47088945	47089934	Gmdrm	hypo	CHH	-0.1076
Gm04	47092020	47093012	Gmdrm	hypo	CHH	-0.0683
Gm04	47093026	47094024	Gmdrm	hypo	CHH	-0.0267
Gm04	47096352	47097350	Gmdrm	hypo	CHH	-0.0548
Gm04	47097356	47098300	Gmdrm	hypo	CHH	-0.0202
Gm04	47098384	47098933	Gmdrm	hypo	CHH	-0.0311
Gm04	47100059	47101057	Gmdrm	hypo	CHH	-0.0388
Gm04	47108044	47109014	Gmdrm	hypo	CHH	-0.0503
Gm04	47111074	47111776	Gmdrm	hypo	CHH	-0.018
Gm04	47112912	47113910	Gmdrm	hypo	CHH	-0.0225
Gm04	47117239	47118214	Gmdrm	hypo	CHH	-0.0149
Gm04	47131091	47132090	Gmdrm	hypo	CHH	-0.0469
Gm04	47134600	47135545	Gmdrm	hypo	CHH	-0.0164
Gm04	47138902	47139178	Gmdrm	hypo	CHH	-0.0309
Gm04	47144096	47144212	Gmdrm	hypo	CHH	-0.0509
Gm04	47147288	47148286	Gmdrm	hypo	CHH	-0.0789
Gm04	47148302	47149302	Gmdrm	hypo	CHH	-0.099
Gm04	47149304	47150296	Gmdrm	hypo	CHH	-0.2642
Gm04	47150309	47151290	Gmdrm	hypo	CHH	-0.0493
Gm04	47151311	47152311	Gmdrm	hypo	CHH	-0.0484
Gm04	47177290	47178289	Gmdrm	hypo	CHH	-0.0268

Gm04	47195479	47196469	Gmdrm	hypo	CHH	-0.0733
Gm04	47209227	47210227	Gmdrm	hypo	CHH	-0.0352
Gm04	47210230	47211228	Gmdrm	hypo	CHH	-0.0177
Gm04	47230981	47231974	Gmdrm	hypo	CHH	-0.0233
Gm04	47253551	47254195	Gmdrm	hypo	CHH	-0.0286
Gm04	47262007	47262999	Gmdrm	hypo	CHH	-0.0862
Gm04	47263008	47264008	Gmdrm	hypo	CHH	-0.046
Gm04	47272557	47273555	Gmdrm	hypo	CHH	-0.0802
Gm04	47273569	47274561	Gmdrm	hypo	CHH	-0.1028
Gm04	47279636	47280636	Gmdrm	hypo	CHH	-0.0535
Gm04	47280639	47281635	Gmdrm	hypo	CHH	-0.0755
Gm04	47288099	47289084	Gmdrm	hypo	CHH	-0.0252
Gm04	47293593	47294593	Gmdrm	hypo	CHH	-0.282
Gm04	47294603	47295592	Gmdrm	hypo	CHH	-0.0661
Gm04	47299908	47300902	Gmdrm	hypo	CHH	-0.1272
Gm04	47300910	47301905	Gmdrm	hypo	CHH	-0.1975
Gm04	47303925	47304768	Gmdrm	hypo	CHH	-0.0652
Gm04	47317940	47318923	Gmdrm	hypo	CHH	-0.0221
Gm04	47319981	47320426	Gmdrm	hypo	CHH	-0.05
Gm04	47331848	47332784	Gmdrm	hypo	CHH	-0.0182
Gm04	47348118	47349108	Gmdrm	hypo	CHH	-0.0162
Gm04	47349120	47350114	Gmdrm	hypo	CHH	-0.109
Gm04	47352175	47353162	Gmdrm	hypo	CHH	-0.0264
Gm04	47378681	47379660	Gmdrm	hypo	CHH	-0.0187
Gm04	47386703	47387684	Gmdrm	hypo	CHH	-0.0279
Gm04	47388726	47389718	Gmdrm	hypo	CHH	-0.0455
Gm04	47389731	47390729	Gmdrm	hypo	CHH	-0.0306
Gm04	47394424	47395420	Gmdrm	hypo	CHH	-0.0186
Gm04	47412915	47413909	Gmdrm	hypo	CHH	-0.02
Gm04	47414845	47415836	Gmdrm	hypo	CHH	-0.0344
Gm04	47420447	47421433	Gmdrm	hypo	CHH	-0.0505
Gm04	47437183	47438166	Gmdrm	hypo	CHH	-0.0246
Gm04	47441790	47442790	Gmdrm	hypo	CHH	-0.019
Gm04	47444097	47445097	Gmdrm	hypo	CHH	-0.0163
Gm04	47461656	47462098	Gmdrm	hypo	CHH	-0.0913
Gm04	47468366	47469366	Gmdrm	hypo	CHH	-0.0565
Gm04	47469369	47470362	Gmdrm	hypo	CHH	-0.1035
Gm04	47479653	47480652	Gmdrm	hypo	CHH	-0.0228
Gm04	47492541	47493538	Gmdrm	hypo	CHH	-0.0182
Gm04	47495039	47496019	Gmdrm	hypo	CHH	-0.0511
Gm04	47499306	47500252	Gmdrm	hypo	CHH	-0.0594
Gm04	47514597	47515570	Gmdrm	hypo	CHH	-0.0216
Gm04	47522798	47523797	Gmdrm	hypo	CHH	-0.0775
Gm04	47523807	47524799	Gmdrm	hypo	CHH	-0.1395
Gm04	47526852	47527845	Gmdrm	hypo	CHH	-0.0221
Gm04	47529096	47530089	Gmdrm	hypo	CHH	-0.0244

Gm04	47540256	47541243	Gmdrm	hypo	CHH	-0.0376
Gm04	47541421	47541895	Gmdrm	hypo	CHH	-0.0233
Gm04	47541996	47542987	Gmdrm	hypo	CHH	-0.0143
Gm04	47561805	47562801	Gmdrm	hypo	CHH	-0.091
Gm04	47567842	47568819	Gmdrm	hypo	CHH	-0.1101
Gm04	47570854	47571837	Gmdrm	hypo	CHH	-0.0115
Gm04	47571863	47572853	Gmdrm	hypo	CHH	-0.0964
Gm04	47572871	47573854	Gmdrm	hypo	CHH	-0.0234
Gm04	47576363	47577353	Gmdrm	hypo	CHH	-0.021
Gm04	47588555	47588919	Gmdrm	hypo	CHH	-0.0226
Gm04	47594491	47595468	Gmdrm	hypo	CHH	-0.0378
Gm04	47602366	47603365	Gmdrm	hypo	CHH	-0.0137
Gm04	47603370	47604358	Gmdrm	hypo	CHH	-0.0766
Gm04	47604383	47605367	Gmdrm	hypo	CHH	-0.0215
Gm04	47609393	47610389	Gmdrm	hypo	CHH	-0.1281
Gm04	47610406	47611392	Gmdrm	hypo	CHH	-0.0794
Gm04	47611408	47612407	Gmdrm	hypo	CHH	-0.0649
Gm04	47612415	47613407	Gmdrm	hypo	CHH	-0.0394
Gm04	47619059	47619394	Gmdrm	hypo	CHH	-0.0389
Gm04	47620521	47621033	Gmdrm	hypo	CHH	-0.0411
Gm04	47626798	47627791	Gmdrm	hypo	CHH	-0.0544
Gm04	47627799	47628061	Gmdrm	hypo	CHH	-0.0254
Gm04	47636926	47637794	Gmdrm	hypo	CHH	-0.0795
Gm04	47650455	47651439	Gmdrm	hypo	CHH	-0.0818
Gm04	47651460	47651942	Gmdrm	hypo	CHH	-0.0294
Gm04	47653391	47654388	Gmdrm	hypo	CHH	-0.1925
Gm04	47654396	47655396	Gmdrm	hypo	CHH	-0.2324
Gm04	47656458	47657454	Gmdrm	hypo	CHH	-0.0847
Gm04	47662118	47663087	Gmdrm	hypo	CHH	-0.0435
Gm04	47683009	47684002	Gmdrm	hypo	CHH	-0.0554
Gm04	47689774	47690756	Gmdrm	hypo	CHH	-0.1871
Gm04	47690783	47691775	Gmdrm	hypo	CHH	-0.023
Gm04	47693848	47694840	Gmdrm	hypo	CHH	-0.0884
Gm04	47698268	47699268	Gmdrm	hypo	CHH	-0.0181
Gm04	47709485	47710485	Gmdrm	hypo	CHH	-0.019
Gm04	47713847	47714844	Gmdrm	hypo	CHH	-0.0174
Gm04	47714850	47715846	Gmdrm	hypo	CHH	-0.0296
Gm04	47716773	47717762	Gmdrm	hypo	CHH	-0.0951
Gm04	47719690	47720684	Gmdrm	hypo	CHH	-0.0195
Gm04	47731128	47732121	Gmdrm	hypo	CHH	-0.018
Gm04	47734729	47735722	Gmdrm	hypo	CHH	-0.0414
Gm04	47737795	47738793	Gmdrm	hypo	CHH	-0.0494
Gm04	47751471	47752449	Gmdrm	hypo	CHH	-0.4437
Gm04	47787495	47788475	Gmdrm	hypo	CHH	-0.0304
Gm04	47789546	47790546	Gmdrm	hypo	CHH	-0.155
Gm04	47790569	47791534	Gmdrm	hypo	CHH	-0.1302

Gm04	47792590	47793556	Gmdrm	hypo	CHH	-0.0202
Gm04	47795802	47796793	Gmdrm	hypo	CHH	-0.0644
Gm04	47798166	47798842	Gmdrm	hypo	CHH	-0.0971
Gm04	47799083	47800064	Gmdrm	hypo	CHH	-0.0794
Gm04	47800088	47801087	Gmdrm	hypo	CHH	-0.0717
Gm04	47801108	47802106	Gmdrm	hypo	CHH	-0.1148
Gm04	47802109	47803102	Gmdrm	hypo	CHH	-0.0904
Gm04	47803111	47803571	Gmdrm	hypo	CHH	-0.135
Gm04	47807978	47808590	Gmdrm	hypo	CHH	-0.519
Gm04	47808757	47809751	Gmdrm	hypo	CHH	-0.0216
Gm04	47814173	47815170	Gmdrm	hypo	CHH	-0.0814
Gm04	47815184	47816164	Gmdrm	hypo	CHH	-0.0702
Gm04	47816210	47817185	Gmdrm	hypo	CHH	-0.0165
Gm04	47820716	47821524	Gmdrm	hypo	CHH	-0.0223
Gm04	47840432	47841410	Gmdrm	hypo	CHH	-0.0594
Gm04	47843061	47844011	Gmdrm	hypo	CHH	-0.0195
Gm04	47849514	47850456	Gmdrm	hypo	CHH	-0.0235
Gm04	47854239	47855236	Gmdrm	hypo	CHH	-0.0882
Gm04	47856257	47857247	Gmdrm	hypo	CHH	-0.0471
Gm04	47859404	47860375	Gmdrm	hypo	CHH	-0.014
Gm04	47861883	47862236	Gmdrm	hypo	CHH	-0.0861
Gm04	47863007	47864005	Gmdrm	hypo	CHH	-0.3604
Gm04	47865014	47865802	Gmdrm	hypo	CHH	-0.0284
Gm04	47875679	47876608	Gmdrm	hypo	CHH	-0.0254
Gm04	47878364	47879329	Gmdrm	hypo	CHH	-0.1044
Gm04	47883934	47884933	Gmdrm	hypo	CHH	-0.0827
Gm04	47884935	47885923	Gmdrm	hypo	CHH	-0.0649
Gm04	47886363	47887360	Gmdrm	hypo	CHH	-0.0683
Gm04	47894423	47895393	Gmdrm	hypo	CHH	-0.02
Gm04	47902963	47903911	Gmdrm	hypo	CHH	-0.0157
Gm04	47915038	47915958	Gmdrm	hypo	CHH	-0.015
Gm04	47920404	47921358	Gmdrm	hypo	CHH	-0.0126
Gm04	47928124	47929114	Gmdrm	hypo	CHH	-0.0174
Gm04	47931181	47932167	Gmdrm	hypo	CHH	-0.0321
Gm04	47933183	47933286	Gmdrm	hypo	CHH	-0.042
Gm04	47935433	47936029	Gmdrm	hypo	CHH	-0.0465
Gm04	47946883	47947868	Gmdrm	hypo	CHH	-0.1192
Gm04	47947907	47948863	Gmdrm	hypo	CHH	-0.0198
Gm04	47957348	47958338	Gmdrm	hypo	CHH	-0.0105
Gm04	47959365	47960331	Gmdrm	hypo	CHH	-0.2012
Gm04	47979233	47980224	Gmdrm	hypo	CHH	-0.0219
Gm04	47980243	47980560	Gmdrm	hypo	CHH	-0.0645
Gm04	47988885	47989365	Gmdrm	hypo	CHH	-0.0413
Gm04	47990480	47990907	Gmdrm	hypo	CHH	-0.0296
Gm04	47997151	47998128	Gmdrm	hypo	CHH	-0.0188
Gm04	48004223	48005199	Gmdrm	hypo	CHH	-0.2081

Gm04	48008472	48009230	Gmdrm	hypo	CHH	-0.0229
Gm04	48010293	48010998	Gmdrm	hypo	CHH	-0.0427
Gm04	48016716	48017703	Gmdrm	hypo	CHH	-0.0405
Gm04	48017722	48018717	Gmdrm	hypo	CHH	-0.0446
Gm04	48018732	48019615	Gmdrm	hypo	CHH	-0.0198
Gm04	48019728	48020721	Gmdrm	hypo	CHH	-0.0298
Gm04	48023238	48024229	Gmdrm	hypo	CHH	-0.0209
Gm04	48029552	48030051	Gmdrm	hypo	CHH	-0.0389
Gm04	48034072	48034256	Gmdrm	hypo	CHH	-0.0687
Gm04	48036599	48037591	Gmdrm	hypo	CHH	-0.0407
Gm04	48037618	48038617	Gmdrm	hypo	CHH	-0.0637
Gm04	48044295	48045293	Gmdrm	hypo	CHH	-0.0132
Gm04	48051173	48052163	Gmdrm	hypo	CHH	-0.0245
Gm04	48054216	48055200	Gmdrm	hypo	CHH	-0.0334
Gm04	48056236	48057232	Gmdrm	hypo	CHH	-0.0276
Gm04	48057251	48058249	Gmdrm	hypo	CHH	-0.0189
Gm04	48081570	48081942	Gmdrm	hypo	CHH	-0.04
Gm04	48103526	48104490	Gmdrm	hypo	CHH	-0.0489
Gm04	48104537	48105501	Gmdrm	hypo	CHH	-0.0158
Gm04	48112509	48113509	Gmdrm	hypo	CHH	-0.0458
Gm04	48113513	48114509	Gmdrm	hypo	CHH	-0.075
Gm04	48122051	48123050	Gmdrm	hypo	CHH	-0.0465
Gm04	48123054	48123742	Gmdrm	hypo	CHH	-0.1593
Gm04	48142755	48143711	Gmdrm	hypo	CHH	-0.0396
Gm04	48148449	48149446	Gmdrm	hypo	CHH	-0.0884
Gm04	48160370	48161369	Gmdrm	hypo	CHH	-0.0905
Gm04	48161385	48162383	Gmdrm	hypo	CHH	-0.0813
Gm04	48163555	48164485	Gmdrm	hypo	CHH	-0.0412
Gm04	48172343	48172594	Gmdrm	hypo	CHH	-0.1752
Gm04	48173223	48173919	Gmdrm	hypo	CHH	-0.0973
Gm04	48174316	48175146	Gmdrm	hypo	CHH	-0.0597
Gm04	48184985	48185979	Gmdrm	hypo	CHH	-0.0137
Gm04	48193393	48193840	Gmdrm	hypo	CHH	-0.0205
Gm04	48204157	48205149	Gmdrm	hypo	CHH	-0.025
Gm04	48214621	48215621	Gmdrm	hypo	CHH	-0.0345
Gm04	48215622	48216612	Gmdrm	hypo	CHH	-0.0736
Gm04	48216632	48217631	Gmdrm	hypo	CHH	-0.1868
Gm04	48218643	48219632	Gmdrm	hypo	CHH	-0.0269
Gm04	48219670	48220325	Gmdrm	hypo	CHH	-0.0227
Gm04	48222344	48223343	Gmdrm	hypo	CHH	-0.0679
Gm04	48223345	48224345	Gmdrm	hypo	CHH	-0.0497
Gm04	48224351	48225350	Gmdrm	hypo	CHH	-0.1026
Gm04	48225370	48226365	Gmdrm	hypo	CHH	-0.1081
Gm04	48227345	48228343	Gmdrm	hypo	CHH	-0.0165
Gm04	48229356	48230345	Gmdrm	hypo	CHH	-0.0345
Gm04	48230362	48231362	Gmdrm	hypo	CHH	-0.1225

Gm04	48240856	48241854	Gmdrm	hypo	CHH	-0.0097
Gm04	48264536	48265223	Gmdrm	hypo	CHH	-0.0431
Gm04	48274895	48275888	Gmdrm	hypo	CHH	-0.0125
Gm04	48280462	48281436	Gmdrm	hypo	CHH	-0.2764
Gm04	48294402	48295373	Gmdrm	hypo	CHH	-0.0132
Gm04	48299610	48300608	Gmdrm	hypo	CHH	-0.0766
Gm04	48310864	48311863	Gmdrm	hypo	CHH	-0.1646
Gm04	48321932	48322931	Gmdrm	hypo	CHH	-0.0195
Gm04	48330204	48331165	Gmdrm	hypo	CHH	-0.1439
Gm04	48334808	48335788	Gmdrm	hypo	CHH	-0.0221
Gm04	48336267	48337266	Gmdrm	hypo	CHH	-0.0326
Gm04	48337271	48338266	Gmdrm	hypo	CHH	-0.0866
Gm04	48338285	48339219	Gmdrm	hypo	CHH	-0.1527
Gm04	48340583	48340962	Gmdrm	hypo	CHH	-0.036
Gm04	48344337	48345320	Gmdrm	hypo	CHH	-0.0742
Gm04	48345350	48345875	Gmdrm	hypo	CHH	-0.1141
Gm04	48366858	48367833	Gmdrm	hypo	CHH	-0.0143
Gm04	48375265	48376068	Gmdrm	hypo	CHH	-0.0197
Gm04	48379951	48380399	Gmdrm	hypo	CHH	-0.0171
Gm04	48392054	48392649	Gmdrm	hypo	CHH	-0.0336
Gm04	48393179	48394163	Gmdrm	hypo	CHH	-0.137
Gm04	48403040	48404020	Gmdrm	hypo	CHH	-0.1431
Gm04	48406113	48406569	Gmdrm	hypo	CHH	-0.0297
Gm04	48408199	48409186	Gmdrm	hypo	CHH	-0.0234
Gm04	48412925	48413673	Gmdrm	hypo	CHH	-0.0124
Gm04	48419496	48420441	Gmdrm	hypo	CHH	-0.1642
Gm04	48420520	48421519	Gmdrm	hypo	CHH	-0.0223
Gm04	48433760	48434742	Gmdrm	hypo	CHH	-0.0211
Gm04	48473724	48474722	Gmdrm	hypo	CHH	-0.0671
Gm04	48474726	48475717	Gmdrm	hypo	CHH	-0.1704
Gm04	48480237	48481235	Gmdrm	hypo	CHH	-0.0166
Gm04	48481244	48482241	Gmdrm	hypo	CHH	-0.0743
Gm04	48482246	48483245	Gmdrm	hypo	CHH	-0.0459
Gm04	48486306	48487001	Gmdrm	hypo	CHH	-0.1238
Gm04	48487110	48488078	Gmdrm	hypo	CHH	-0.0854
Gm04	48490632	48491275	Gmdrm	hypo	CHH	-0.0792
Gm04	48491388	48492369	Gmdrm	hypo	CHH	-0.0761
Gm04	48492804	48493791	Gmdrm	hypo	CHH	-0.0145
Gm04	48493815	48494811	Gmdrm	hypo	CHH	-0.019
Gm04	48498847	48499839	Gmdrm	hypo	CHH	-0.0163
Gm04	48507236	48508235	Gmdrm	hypo	CHH	-0.0414
Gm04	48521140	48522121	Gmdrm	hypo	CHH	-0.2712
Gm04	48528215	48529213	Gmdrm	hypo	CHH	-0.1126
Gm04	48549029	48549997	Gmdrm	hypo	CHH	-0.0255
Gm04	48552137	48553101	Gmdrm	hypo	CHH	-0.0819
Gm04	48558229	48559189	Gmdrm	hypo	CHH	-0.0415

Gm04	48560544	48561544	Gmdrm	hypo	CHH	-0.0602
Gm04	48561546	48562082	Gmdrm	hypo	CHH	-0.1086
Gm04	48567006	48567999	Gmdrm	hypo	CHH	-0.1061
Gm04	48589795	48590778	Gmdrm	hypo	CHH	-0.018
Gm04	48591775	48592692	Gmdrm	hypo	CHH	-0.0304
Gm04	48610423	48610548	Gmdrm	hypo	CHH	-0.0456
Gm04	48632500	48633255	Gmdrm	hypo	CHH	-0.036
Gm04	48645916	48646037	Gmdrm	hypo	CHH	-0.042
Gm04	48651334	48651746	Gmdrm	hypo	CHH	-0.0432
Gm04	48656415	48657411	Gmdrm	hypo	CHH	-0.1341
Gm04	48657425	48658033	Gmdrm	hypo	CHH	-0.1203
Gm04	48661192	48661803	Gmdrm	hypo	CHH	-0.0182
Gm04	48671566	48672560	Gmdrm	hypo	CHH	-0.0579
Gm04	48673480	48673553	Gmdrm	hypo	CHH	-0.054
Gm04	48680543	48681538	Gmdrm	hypo	CHH	-0.0152
Gm04	48698138	48699123	Gmdrm	hypo	CHH	-0.0644
Gm04	48702168	48703162	Gmdrm	hypo	CHH	-0.1954
Gm04	48703173	48703770	Gmdrm	hypo	CHH	-0.2484
Gm04	48712462	48713454	Gmdrm	hypo	CHH	-0.1818
Gm04	48719056	48719853	Gmdrm	hypo	CHH	-0.0265
Gm04	48723642	48724642	Gmdrm	hypo	CHH	-0.1539
Gm04	48725980	48726974	Gmdrm	hypo	CHH	-0.1643
Gm04	48726981	48727866	Gmdrm	hypo	CHH	-0.0296
Gm04	48728595	48729591	Gmdrm	hypo	CHH	-0.0444
Gm04	48729623	48730539	Gmdrm	hypo	CHH	-0.0249
Gm04	48733994	48734976	Gmdrm	hypo	CHH	-0.0243
Gm04	48746268	48747268	Gmdrm	hypo	CHH	-0.2306
Gm04	48748033	48749028	Gmdrm	hypo	CHH	-0.0591
Gm04	48749051	48749747	Gmdrm	hypo	CHH	-0.0457
Gm04	48750185	48751183	Gmdrm	hypo	CHH	-0.055
Gm04	48751188	48751398	Gmdrm	hypo	CHH	-0.1051
Gm04	48773531	48774516	Gmdrm	hypo	CHH	-0.0206
Gm04	48782922	48783921	Gmdrm	hypo	CHH	-0.0412
Gm04	48791264	48792040	Gmdrm	hypo	CHH	-0.0137
Gm04	48794114	48795090	Gmdrm	hypo	CHH	-0.0583
Gm04	48805144	48806139	Gmdrm	hypo	CHH	-0.0384
Gm04	48806174	48807069	Gmdrm	hypo	CHH	-0.049
Gm04	48812274	48813251	Gmdrm	hypo	CHH	-0.3295
Gm04	48826340	48827330	Gmdrm	hypo	CHH	-0.0134
Gm04	48827341	48827638	Gmdrm	hypo	CHH	-0.0193
Gm04	48831918	48832901	Gmdrm	hypo	CHH	-0.021
Gm04	48832919	48833910	Gmdrm	hypo	CHH	-0.0178
Gm04	48835994	48836958	Gmdrm	hypo	CHH	-0.019
Gm04	48838536	48839535	Gmdrm	hypo	CHH	-0.0144
Gm04	48839544	48840244	Gmdrm	hypo	CHH	-0.1602
Gm04	48842370	48842469	Gmdrm	hypo	CHH	-0.0844

Gm04	48848835	48849829	Gmdrm	hypo	CHH	-0.0884
Gm04	48853894	48854889	Gmdrm	hypo	CHH	-0.0564
Gm04	48854902	48855266	Gmdrm	hypo	CHH	-0.031
Gm04	48863038	48864033	Gmdrm	hypo	CHH	-0.0557
Gm04	48864041	48865040	Gmdrm	hypo	CHH	-0.0414
Gm04	48870996	48871603	Gmdrm	hypo	CHH	-0.0337
Gm04	48873217	48873993	Gmdrm	hypo	CHH	-0.0897
Gm04	48888130	48889123	Gmdrm	hypo	CHH	-0.1844
Gm04	48897003	48897987	Gmdrm	hypo	CHH	-0.0434
Gm04	48898014	48899010	Gmdrm	hypo	CHH	-0.0356
Gm04	48900703	48901701	Gmdrm	hypo	CHH	-0.0319
Gm04	48901708	48902683	Gmdrm	hypo	CHH	-0.0182
Gm04	48903775	48904775	Gmdrm	hypo	CHH	-0.0673
Gm04	48904777	48905777	Gmdrm	hypo	CHH	-0.155
Gm04	48907822	48908148	Gmdrm	hypo	CHH	-0.0191
Gm04	48915233	48916202	Gmdrm	hypo	CHH	-0.0118
Gm04	48917274	48918261	Gmdrm	hypo	CHH	-0.0186
Gm04	48937355	48938347	Gmdrm	hypo	CHH	-0.018
Gm04	48940443	48941438	Gmdrm	hypo	CHH	-0.0213
Gm04	48941445	48942443	Gmdrm	hypo	CHH	-0.042
Gm04	48964376	48965073	Gmdrm	hypo	CHH	-0.026
Gm04	48973225	48974206	Gmdrm	hypo	CHH	-0.0887
Gm04	48974256	48975252	Gmdrm	hypo	CHH	-0.0333
Gm04	48979198	48979570	Gmdrm	hypo	CHH	-0.0718
Gm04	48983616	48984616	Gmdrm	hypo	CHH	-0.0681
Gm04	48986832	48987825	Gmdrm	hypo	CHH	-0.0447
Gm04	48990082	48991071	Gmdrm	hypo	CHH	-0.0312
Gm04	48999729	49000696	Gmdrm	hypo	CHH	-0.0194
Gm04	49003891	49004876	Gmdrm	hypo	CHH	-0.0724
Gm04	49008112	49008596	Gmdrm	hypo	CHH	-0.0209
Gm04	49023953	49024831	Gmdrm	hypo	CHH	-0.0721
Gm04	49068881	49069823	Gmdrm	hypo	CHH	-0.0142
Gm04	49072326	49073317	Gmdrm	hypo	CHH	-0.0115
Gm04	49087583	49088564	Gmdrm	hypo	CHH	-0.0108
Gm04	49088633	49089633	Gmdrm	hypo	CHH	-0.1002
Gm04	49089641	49090137	Gmdrm	hypo	CHH	-0.0728
Gm04	49090264	49091254	Gmdrm	hypo	CHH	-0.0197
Gm04	49126528	49127520	Gmdrm	hypo	CHH	-0.0153
Gm04	49127594	49128377	Gmdrm	hypo	CHH	-0.0136
Gm04	49130816	49131813	Gmdrm	hypo	CHH	-0.0353
Gm04	49131817	49132237	Gmdrm	hypo	CHH	-0.0314
Gm04	49140874	49141864	Gmdrm	hypo	CHH	-0.0128
Gm04	49141881	49142871	Gmdrm	hypo	CHH	-0.0189
Gm04	49142946	49143909	Gmdrm	hypo	CHH	-0.0124
Gm04	49155082	49155286	Gmdrm	hypo	CHH	-0.0343
Gm04	49162236	49163236	Gmdrm	hypo	CHH	-0.2051

Gm04	49163238	49164204	Gmdrm	hypo	CHH	-0.3777
Gm04	49180364	49181351	Gmdrm	hypo	CHH	-0.0127
Gm04	49182249	49183158	Gmdrm	hypo	CHH	-0.1764
Gm04	49192217	49193174	Gmdrm	hypo	CHH	-0.0252
Gm04	49204647	49204831	Gmdrm	hypo	CHH	-0.045
Gm04	49211498	49211598	Gmdrm	hypo	CHH	-0.0275
Gm04	49222579	49223570	Gmdrm	hypo	CHH	-0.0225
Gm04	49230335	49230985	Gmdrm	hypo	CHH	-0.0205
Gm04	49236440	49237414	Gmdrm	hypo	CHH	-0.0302
Gm04	49237446	49238425	Gmdrm	hypo	CHH	-0.0261
Gm04	49240527	49241519	Gmdrm	hypo	CHH	-0.0149
Gm04	49245634	49245851	Gmdrm	hypo	CHH	-0.0516
Gm04	49246549	49247358	Gmdrm	hypo	CHH	-0.0253
Gm04	49253114	49254109	Gmdrm	hypo	CHH	-0.0233
Gm04	49261426	49262426	Gmdrm	hypo	CHH	-0.1011
Gm04	49267528	49268512	Gmdrm	hypo	CHH	-0.074
Gm04	49277489	49278483	Gmdrm	hypo	CHH	-0.0174
Gm04	49280185	49281162	Gmdrm	hypo	CHH	-0.0397
Gm04	49283192	49283983	Gmdrm	hypo	CHH	-0.1306
Gm04	49290190	49291184	Gmdrm	hypo	CHH	-0.0161
Gm04	49291215	49292212	Gmdrm	hypo	CHH	-0.0932
Gm04	49292219	49293199	Gmdrm	hypo	CHH	-0.0973
Gm04	49293225	49294222	Gmdrm	hypo	CHH	-0.0224
Gm04	49294231	49295230	Gmdrm	hypo	CHH	-0.0611
Gm04	49295234	49296233	Gmdrm	hypo	CHH	-0.0771
Gm04	49298331	49299329	Gmdrm	hypo	CHH	-0.0145
Gm04	49302672	49303669	Gmdrm	hypo	CHH	-0.0982
Gm04	49303711	49304672	Gmdrm	hypo	CHH	-0.0253
Gm04	49334317	49335314	Gmdrm	hypo	CHH	-0.0512
Gm04	49335318	49336307	Gmdrm	hypo	CHH	-0.0808
Gm04	49353794	49354165	Gmdrm	hypo	CHH	-0.0338
Gm04	49372777	49373750	Gmdrm	hypo	CHH	-0.0211
Gm04	49377544	49378102	Gmdrm	hypo	CHH	-0.0234
Gm04	49391286	49392285	Gmdrm	hypo	CHH	-0.0263
Gm04	49398038	49399031	Gmdrm	hypo	CHH	-0.02
Gm04	49403096	49404095	Gmdrm	hypo	CHH	-0.0492
Gm04	49404098	49404850	Gmdrm	hypo	CHH	-0.0977
Gm04	49405156	49406085	Gmdrm	hypo	CHH	-0.0527
Gm04	49412672	49413667	Gmdrm	hypo	CHH	-0.0111
Gm04	49422159	49423151	Gmdrm	hypo	CHH	-0.1228
Gm04	49423162	49424161	Gmdrm	hypo	CHH	-0.1151
Gm04	49441028	49442011	Gmdrm	hypo	CHH	-0.0262
Gm04	49442029	49443025	Gmdrm	hypo	CHH	-0.0452
Gm04	49443031	49443671	Gmdrm	hypo	CHH	-0.0449
Gm04	49454734	49455715	Gmdrm	hypo	CHH	-0.0211
Gm04	49456793	49457784	Gmdrm	hypo	CHH	-0.0308

Gm04	49459826	49460302	Gmdrm	hypo	CHH	-0.03
Gm04	49487613	49488611	Gmdrm	hypo	CHH	-0.0915
Gm04	49509621	49510608	Gmdrm	hypo	CHH	-0.0731
Gm04	49510631	49511630	Gmdrm	hypo	CHH	-0.088
Gm04	49511660	49512659	Gmdrm	hypo	CHH	-0.0252
Gm04	49513460	49514441	Gmdrm	hypo	CHH	-0.0233
Gm04	49514499	49515468	Gmdrm	hypo	CHH	-0.0168
Gm04	49516888	49517259	Gmdrm	hypo	CHH	-0.0547
Gm04	49519103	49519644	Gmdrm	hypo	CHH	-0.0245
Gm04	49523343	49524323	Gmdrm	hypo	CHH	-0.1185
Gm04	49539479	49540467	Gmdrm	hypo	CHH	-0.1491
Gm04	49554923	49555770	Gmdrm	hypo	CHH	-0.0242
Gm04	49571123	49572120	Gmdrm	hypo	CHH	-0.0328
Gm04	49573896	49574889	Gmdrm	hypo	CHH	-0.014
Gm04	49578823	49579765	Gmdrm	hypo	CHH	-0.022
Gm04	49584419	49585378	Gmdrm	hypo	CHH	-0.0222
Gm04	49588232	49589216	Gmdrm	hypo	CHH	-0.0147
Gm04	49610840	49611831	Gmdrm	hypo	CHH	-0.031
Gm04	49611845	49612841	Gmdrm	hypo	CHH	-0.1112
Gm04	49612850	49613847	Gmdrm	hypo	CHH	-0.1326
Gm04	49614924	49615921	Gmdrm	hypo	CHH	-0.0409
Gm04	49633019	49634015	Gmdrm	hypo	CHH	-0.0217
Gm04	49637073	49637932	Gmdrm	hypo	CHH	-0.0277
Gm04	49638036	49639016	Gmdrm	hypo	CHH	-0.0131
Gm04	49643673	49644673	Gmdrm	hypo	CHH	-0.0132
Gm04	49651753	49652752	Gmdrm	hypo	CHH	-0.0903
Gm04	49652755	49653752	Gmdrm	hypo	CHH	-0.0777
Gm04	49657450	49658438	Gmdrm	hypo	CHH	-0.0369
Gm04	49667563	49668562	Gmdrm	hypo	CHH	-0.1501
Gm04	49668567	49669511	Gmdrm	hypo	CHH	-0.0513
Gm04	49682260	49683245	Gmdrm	hypo	CHH	-0.0173
Gm04	49684516	49685511	Gmdrm	hypo	CHH	-0.1018
Gm04	49685524	49685953	Gmdrm	hypo	CHH	-0.0932
Gm04	49686160	49687134	Gmdrm	hypo	CHH	-0.0145
Gm04	49687216	49688214	Gmdrm	hypo	CHH	-0.014
Gm04	49690072	49691062	Gmdrm	hypo	CHH	-0.0175
Gm04	49696428	49697425	Gmdrm	hypo	CHH	-0.0238
Gm04	49697441	49697769	Gmdrm	hypo	CHH	-0.0253
Gm04	49708763	49708900	Gmdrm	hypo	CHH	-0.05
Gm04	49713107	49714081	Gmdrm	hypo	CHH	-0.0386
Gm04	49722135	49723135	Gmdrm	hypo	CHH	-0.1444
Gm04	49723140	49724100	Gmdrm	hypo	CHH	-0.0935
Gm04	49731542	49732430	Gmdrm	hypo	CHH	-0.0121
Gm04	49747132	49748131	Gmdrm	hypo	CHH	-0.0362
Gm04	49755817	49756291	Gmdrm	hypo	CHH	-0.2012
Gm04	49756502	49757500	Gmdrm	hypo	CHH	-0.1223

Gm04	49757503	49758477	Gmdrm	hypo	CHH	-0.1048
Gm04	49759558	49760553	Gmdrm	hypo	CHH	-0.0364
Gm04	49760561	49761554	Gmdrm	hypo	CHH	-0.0355
Gm04	49783008	49783998	Gmdrm	hypo	CHH	-0.0288
Gm04	49784010	49784453	Gmdrm	hypo	CHH	-0.0338
Gm04	49784555	49784963	Gmdrm	hypo	CHH	-0.0231
Gm04	49792478	49793475	Gmdrm	hypo	CHH	-0.0741
Gm04	49797707	49798704	Gmdrm	hypo	CHH	-0.0699
Gm04	49798708	49799697	Gmdrm	hypo	CHH	-0.0883
Gm04	49799714	49800693	Gmdrm	hypo	CHH	-0.057
Gm04	49804005	49805005	Gmdrm	hypo	CHH	-0.1668
Gm04	49805012	49805871	Gmdrm	hypo	CHH	-0.1103
Gm04	49806027	49806295	Gmdrm	hypo	CHH	-0.1246
Gm04	49826946	49827928	Gmdrm	hypo	CHH	-0.0265
Gm04	49829120	49830115	Gmdrm	hypo	CHH	-0.0275
Gm04	49832802	49833791	Gmdrm	hypo	CHH	-0.0317
Gm04	49833804	49834803	Gmdrm	hypo	CHH	-0.0656
Gm04	49834817	49835814	Gmdrm	hypo	CHH	-0.0517
Gm04	49838071	49839070	Gmdrm	hypo	CHH	-0.2368
Gm04	49839073	49840031	Gmdrm	hypo	CHH	-0.0992
Gm04	49843028	49844000	Gmdrm	hypo	CHH	-0.0138
Gm04	49844031	49844996	Gmdrm	hypo	CHH	-0.0137
Gm04	49857220	49858203	Gmdrm	hypo	CHH	-0.0197
Gm04	49858246	49859206	Gmdrm	hypo	CHH	-0.1049
Gm04	49860274	49861266	Gmdrm	hypo	CHH	-0.0234
Gm04	49863934	49864880	Gmdrm	hypo	CHH	-0.0648
Gm04	49866451	49867441	Gmdrm	hypo	CHH	-0.1334
Gm04	49867464	49867832	Gmdrm	hypo	CHH	-0.2222
Gm04	49869244	49870232	Gmdrm	hypo	CHH	-0.0392
Gm04	49870285	49871283	Gmdrm	hypo	CHH	-0.0605
Gm04	49878288	49879236	Gmdrm	hypo	CHH	-0.0274
Gm04	49879516	49880511	Gmdrm	hypo	CHH	-0.0333
Gm04	49883981	49884981	Gmdrm	hypo	CHH	-0.036
Gm04	49898712	49899690	Gmdrm	hypo	CHH	-0.1347
Gm04	49899725	49900713	Gmdrm	hypo	CHH	-0.1898
Gm04	49900727	49901720	Gmdrm	hypo	CHH	-0.2508
Gm04	49912887	49913884	Gmdrm	hypo	CHH	-0.081
Gm04	49914111	49915102	Gmdrm	hypo	CHH	-0.0776
Gm04	49916120	49916969	Gmdrm	hypo	CHH	-0.0715
Gm04	49918082	49919074	Gmdrm	hypo	CHH	-0.0291
Gm04	49925073	49926071	Gmdrm	hypo	CHH	-0.0146
Gm04	49929218	49929397	Gmdrm	hypo	CHH	-0.0546
Gm04	49932522	49933145	Gmdrm	hypo	CHH	-0.0289
Gm04	49936416	49937411	Gmdrm	hypo	CHH	-0.0163
Gm04	49938451	49939070	Gmdrm	hypo	CHH	-0.0167
Gm04	49966189	49967188	Gmdrm	hypo	CHH	-0.0198

Gm04	49967221	49968220	Gmdrm	hypo	CHH	-0.0142
Gm04	49968225	49969204	Gmdrm	hypo	CHH	-0.0157
Gm04	49971112	49972096	Gmdrm	hypo	CHH	-0.0148
Gm04	49974704	49975695	Gmdrm	hypo	CHH	-0.0267
Gm04	49981604	49982596	Gmdrm	hypo	CHH	-0.0617
Gm04	49982610	49983608	Gmdrm	hypo	CHH	-0.1083
Gm04	49984653	49985642	Gmdrm	hypo	CHH	-0.013
Gm04	49986878	49987873	Gmdrm	hypo	CHH	-0.1106
Gm04	49987882	49988084	Gmdrm	hypo	CHH	-0.173
Gm04	49999038	50000031	Gmdrm	hypo	CHH	-0.06
Gm04	50000043	50000732	Gmdrm	hypo	CHH	-0.1334
Gm04	50003148	50003225	Gmdrm	hypo	CHH	-0.046
Gm04	50012834	50013832	Gmdrm	hypo	CHH	-0.0655
Gm04	50013836	50014823	Gmdrm	hypo	CHH	-0.0543
Gm04	50014852	50015355	Gmdrm	hypo	CHH	-0.0508
Gm04	50018627	50019613	Gmdrm	hypo	CHH	-0.0471
Gm04	50026150	50027140	Gmdrm	hypo	CHH	-0.0548
Gm04	50027162	50028139	Gmdrm	hypo	CHH	-0.0172
Gm04	50030402	50031393	Gmdrm	hypo	CHH	-0.0816
Gm04	50031403	50032393	Gmdrm	hypo	CHH	-0.0751
Gm04	50034512	50035510	Gmdrm	hypo	CHH	-0.0124
Gm04	50035515	50036510	Gmdrm	hypo	CHH	-0.068
Gm04	50036518	50037464	Gmdrm	hypo	CHH	-0.078
Gm04	50038712	50039094	Gmdrm	hypo	CHH	-0.024
Gm04	50040261	50041261	Gmdrm	hypo	CHH	-0.0965
Gm04	50041262	50042262	Gmdrm	hypo	CHH	-0.0705
Gm04	50044376	50045357	Gmdrm	hypo	CHH	-0.0609
Gm04	50045379	50046332	Gmdrm	hypo	CHH	-0.0316
Gm04	50046392	50047001	Gmdrm	hypo	CHH	-0.0816
Gm04	50050307	50051101	Gmdrm	hypo	CHH	-0.0156
Gm04	50051207	50052205	Gmdrm	hypo	CHH	-0.0219
Gm04	50055282	50055952	Gmdrm	hypo	CHH	-0.0258
Gm04	50061883	50062136	Gmdrm	hypo	CHH	-0.0218
Gm04	50074572	50075524	Gmdrm	hypo	CHH	-0.0238
Gm04	50092628	50093628	Gmdrm	hypo	CHH	-0.0329
Gm04	50097552	50097736	Gmdrm	hypo	CHH	-0.0325
Gm04	50101710	50102626	Gmdrm	hypo	CHH	-0.0662
Gm04	50102878	50103836	Gmdrm	hypo	CHH	-0.2065
Gm04	50120950	50121949	Gmdrm	hypo	CHH	-0.0212
Gm04	50140962	50141948	Gmdrm	hypo	CHH	-0.0232
Gm04	50146108	50147097	Gmdrm	hypo	CHH	-0.025
Gm04	50147121	50148097	Gmdrm	hypo	CHH	-0.0184
Gm04	50149587	50150581	Gmdrm	hypo	CHH	-0.0283
Gm04	50150593	50151593	Gmdrm	hypo	CHH	-0.0643
Gm04	50151594	50152482	Gmdrm	hypo	CHH	-0.274
Gm04	50161059	50162024	Gmdrm	hypo	CHH	-0.1635

Gm04	50162160	50163154	Gmdrm	hypo	CHH	-0.0911
Gm04	50163163	50164113	Gmdrm	hypo	CHH	-0.0543
Gm04	50176284	50177280	Gmdrm	hypo	CHH	-0.0302
Gm04	50177288	50177533	Gmdrm	hypo	CHH	-0.1679
Gm04	50183078	50184073	Gmdrm	hypo	CHH	-0.1549
Gm04	50184079	50185042	Gmdrm	hypo	CHH	-0.1076
Gm04	50196642	50197623	Gmdrm	hypo	CHH	-0.0216
Gm04	50215709	50216691	Gmdrm	hypo	CHH	-0.0228
Gm04	50217724	50218714	Gmdrm	hypo	CHH	-0.08
Gm04	50218728	50219727	Gmdrm	hypo	CHH	-0.1436
Gm04	50220747	50221719	Gmdrm	hypo	CHH	-0.0177
Gm04	50239542	50240534	Gmdrm	hypo	CHH	-0.0133
Gm04	50248104	50248720	Gmdrm	hypo	CHH	-0.202
Gm04	50250610	50251604	Gmdrm	hypo	CHH	-0.0262
Gm04	50279577	50280554	Gmdrm	hypo	CHH	-0.0212
Gm04	50292438	50293438	Gmdrm	hypo	CHH	-0.0348
Gm04	50293440	50294438	Gmdrm	hypo	CHH	-0.0147
Gm04	50294445	50295419	Gmdrm	hypo	CHH	-0.0829
Gm04	50296830	50297819	Gmdrm	hypo	CHH	-0.0124
Gm04	50299411	50300399	Gmdrm	hypo	CHH	-0.0228
Gm04	50302313	50303240	Gmdrm	hypo	CHH	-0.1083
Gm04	50305272	50306245	Gmdrm	hypo	CHH	-0.0265
Gm04	50313865	50314865	Gmdrm	hypo	CHH	-0.0289
Gm04	50314877	50315854	Gmdrm	hypo	CHH	-0.026
Gm04	50317447	50318444	Gmdrm	hypo	CHH	-0.0168
Gm04	50329682	50330671	Gmdrm	hypo	CHH	-0.0233
Gm04	50330697	50331688	Gmdrm	hypo	CHH	-0.0352
Gm04	50331702	50332662	Gmdrm	hypo	CHH	-0.037
Gm04	50338334	50339262	Gmdrm	hypo	CHH	-0.056
Gm04	50340351	50341317	Gmdrm	hypo	CHH	-0.044
Gm04	50342377	50343368	Gmdrm	hypo	CHH	-0.0943
Gm04	50347019	50348001	Gmdrm	hypo	CHH	-0.0262
Gm04	50349647	50349953	Gmdrm	hypo	CHH	-0.0978
Gm04	50350993	50351986	Gmdrm	hypo	CHH	-0.0496
Gm04	50353453	50354452	Gmdrm	hypo	CHH	-0.3136
Gm04	50358842	50359824	Gmdrm	hypo	CHH	-0.0237
Gm04	50359845	50360821	Gmdrm	hypo	CHH	-0.0435
Gm04	50365326	50365586	Gmdrm	hypo	CHH	-0.029
Gm04	50367998	50368988	Gmdrm	hypo	CHH	-0.0198
Gm04	50371275	50372263	Gmdrm	hypo	CHH	-0.1997
Gm04	50375881	50376880	Gmdrm	hypo	CHH	-0.0174
Gm04	50379886	50380541	Gmdrm	hypo	CHH	-0.0309
Gm04	50380757	50381745	Gmdrm	hypo	CHH	-0.1206
Gm04	50386484	50387481	Gmdrm	hypo	CHH	-0.0471
Gm04	50388768	50389757	Gmdrm	hypo	CHH	-0.0409
Gm04	50397149	50398146	Gmdrm	hypo	CHH	-0.0194

Gm04	50420281	50421256	Gmdrm	hypo	CHH	-0.0215
Gm04	50421828	50422800	Gmdrm	hypo	CHH	-0.0284
Gm04	50425670	50426665	Gmdrm	hypo	CHH	-0.0172
Gm04	50435720	50436669	Gmdrm	hypo	CHH	-0.0666
Gm04	50436895	50437889	Gmdrm	hypo	CHH	-0.2025
Gm04	50438930	50439927	Gmdrm	hypo	CHH	-0.0207
Gm04	50455652	50456609	Gmdrm	hypo	CHH	-0.0231
Gm04	50456659	50457656	Gmdrm	hypo	CHH	-0.0737
Gm04	50457666	50458659	Gmdrm	hypo	CHH	-0.0412
Gm04	50458668	50459668	Gmdrm	hypo	CHH	-0.1021
Gm04	50459671	50460650	Gmdrm	hypo	CHH	-0.0689
Gm04	50474509	50475135	Gmdrm	hypo	CHH	-0.0326
Gm04	50491344	50491431	Gmdrm	hypo	CHH	-0.0278
Gm04	50493037	50494030	Gmdrm	hypo	CHH	-0.0416
Gm04	50494047	50495018	Gmdrm	hypo	CHH	-0.1503
Gm04	50495073	50496048	Gmdrm	hypo	CHH	-0.0242
Gm04	50515714	50516704	Gmdrm	hypo	CHH	-0.0104
Gm04	50537650	50538628	Gmdrm	hypo	CHH	-0.02
Gm04	50545187	50546185	Gmdrm	hypo	CHH	-0.0181
Gm04	50552319	50553300	Gmdrm	hypo	CHH	-0.0396
Gm04	50557270	50558249	Gmdrm	hypo	CHH	-0.0479
Gm04	50582483	50583469	Gmdrm	hypo	CHH	-0.0163
Gm04	50598928	50599921	Gmdrm	hypo	CHH	-0.0166
Gm04	50599932	50600477	Gmdrm	hypo	CHH	-0.0253
Gm04	50600659	50601641	Gmdrm	hypo	CHH	-0.0287
Gm04	50606146	50607106	Gmdrm	hypo	CHH	-0.0228
Gm04	50608458	50609445	Gmdrm	hypo	CHH	-0.0179
Gm04	50610168	50611161	Gmdrm	hypo	CHH	-0.0546
Gm04	50612176	50613159	Gmdrm	hypo	CHH	-0.0141
Gm04	50615234	50615889	Gmdrm	hypo	CHH	-0.0213
Gm04	50630084	50631081	Gmdrm	hypo	CHH	-0.0696
Gm04	50639584	50640541	Gmdrm	hypo	CHH	-0.1907
Gm04	50654674	50655663	Gmdrm	hypo	CHH	-0.0289
Gm04	50655680	50656580	Gmdrm	hypo	CHH	-0.0438
Gm04	50674127	50675125	Gmdrm	hypo	CHH	-0.1068
Gm04	50679498	50680498	Gmdrm	hypo	CHH	-0.0337
Gm04	50680506	50680669	Gmdrm	hypo	CHH	-0.0606
Gm04	50692073	50692625	Gmdrm	hypo	CHH	-0.0216
Gm04	50693081	50693351	Gmdrm	hypo	CHH	-0.0559
Gm04	50698142	50699110	Gmdrm	hypo	CHH	-0.2501
Gm04	50708340	50708768	Gmdrm	hypo	CHH	-0.0653
Gm04	50712400	50713397	Gmdrm	hypo	CHH	-0.0142
Gm04	50714422	50715418	Gmdrm	hypo	CHH	-0.0288
Gm04	50735244	50736235	Gmdrm	hypo	CHH	-0.1897
Gm04	50737341	50738332	Gmdrm	hypo	CHH	-0.1383
Gm04	50738345	50739344	Gmdrm	hypo	CHH	-0.1242

Gm04	50741560	50742245	Gmdrm	hypo	CHH	-0.0266
Gm04	50759131	50760125	Gmdrm	hypo	CHH	-0.02
Gm04	50760133	50761109	Gmdrm	hypo	CHH	-0.048
Gm04	50763969	50764969	Gmdrm	hypo	CHH	-0.0393
Gm04	50770946	50771941	Gmdrm	hypo	CHH	-0.3383
Gm04	50791373	50792342	Gmdrm	hypo	CHH	-0.0119
Gm04	50794423	50795408	Gmdrm	hypo	CHH	-0.0176
Gm04	50798847	50799809	Gmdrm	hypo	CHH	-0.1608
Gm04	50834918	50835918	Gmdrm	hypo	CHH	-0.0294
Gm04	50844112	50845104	Gmdrm	hypo	CHH	-0.143
Gm04	50849600	50850584	Gmdrm	hypo	CHH	-0.0274
Gm04	50850610	50851171	Gmdrm	hypo	CHH	-0.05
Gm04	50852325	50853322	Gmdrm	hypo	CHH	-0.014
Gm04	50870464	50871452	Gmdrm	hypo	CHH	-0.0191
Gm04	50872637	50872976	Gmdrm	hypo	CHH	-0.0472
Gm04	50874395	50875379	Gmdrm	hypo	CHH	-0.02
Gm04	50879736	50880735	Gmdrm	hypo	CHH	-0.0497
Gm04	50880744	50881743	Gmdrm	hypo	CHH	-0.0664
Gm04	50881745	50882729	Gmdrm	hypo	CHH	-0.0309
Gm04	50884238	50885100	Gmdrm	hypo	CHH	-0.0157
Gm04	50892558	50893557	Gmdrm	hypo	CHH	-0.0156
Gm04	50897628	50898628	Gmdrm	hypo	CHH	-0.0768
Gm04	50898637	50899502	Gmdrm	hypo	CHH	-0.0957
Gm04	50902755	50903731	Gmdrm	hypo	CHH	-0.0287
Gm04	50906866	50907846	Gmdrm	hypo	CHH	-0.0151
Gm04	50919926	50920900	Gmdrm	hypo	CHH	-0.0233
Gm04	50979557	50980151	Gmdrm	hypo	CHH	-0.0155
Gm04	50980254	50981229	Gmdrm	hypo	CHH	-0.0277
Gm04	50986589	50987586	Gmdrm	hypo	CHH	-0.1394
Gm04	50990604	50991597	Gmdrm	hypo	CHH	-0.0498
Gm04	50991606	50992583	Gmdrm	hypo	CHH	-0.025
Gm04	50998977	50999977	Gmdrm	hypo	CHH	-0.0596
Gm04	51001796	51002709	Gmdrm	hypo	CHH	-0.0148
Gm04	51004877	51005837	Gmdrm	hypo	CHH	-0.0194
Gm04	51006948	51007945	Gmdrm	hypo	CHH	-0.0545
Gm04	51027415	51028379	Gmdrm	hypo	CHH	-0.0552
Gm04	51028450	51029397	Gmdrm	hypo	CHH	-0.1108
Gm04	51043647	51044635	Gmdrm	hypo	CHH	-0.0476
Gm04	51059711	51060317	Gmdrm	hypo	CHH	-0.0327
Gm04	51065570	51066563	Gmdrm	hypo	CHH	-0.0167
Gm04	51068591	51069585	Gmdrm	hypo	CHH	-0.0585
Gm04	51069592	51070093	Gmdrm	hypo	CHH	-0.0309
Gm04	51073939	51074882	Gmdrm	hypo	CHH	-0.3233
Gm04	51081989	51082945	Gmdrm	hypo	CHH	-0.0666
Gm04	51095805	51096802	Gmdrm	hypo	CHH	-0.0221
Gm04	51096810	51097345	Gmdrm	hypo	CHH	-0.0969

Gm04	51097471	51098464	Gmdrm	hypo	CHH	-0.132
Gm04	51098485	51099484	Gmdrm	hypo	CHH	-0.1737
Gm04	51099486	51100484	Gmdrm	hypo	CHH	-0.1897
Gm04	51100487	51101485	Gmdrm	hypo	CHH	-0.1692
Gm04	51101488	51102484	Gmdrm	hypo	CHH	-0.1181
Gm04	51108563	51109107	Gmdrm	hypo	CHH	-0.0962
Gm04	51111289	51112255	Gmdrm	hypo	CHH	-0.0977
Gm04	51112301	51113285	Gmdrm	hypo	CHH	-0.0246
Gm04	51113305	51114302	Gmdrm	hypo	CHH	-0.0638
Gm04	51114315	51115309	Gmdrm	hypo	CHH	-0.0584
Gm04	51118707	51119702	Gmdrm	hypo	CHH	-0.092
Gm04	51130039	51131038	Gmdrm	hypo	CHH	-0.1219
Gm04	51131051	51132047	Gmdrm	hypo	CHH	-0.1059
Gm04	51132056	51133035	Gmdrm	hypo	CHH	-0.0446
Gm04	51146641	51147640	Gmdrm	hypo	CHH	-0.0326
Gm04	51149580	51150493	Gmdrm	hypo	CHH	-0.0187
Gm04	51150593	51150838	Gmdrm	hypo	CHH	-0.0216
Gm04	51155914	51156914	Gmdrm	hypo	CHH	-0.0153
Gm04	51164504	51165502	Gmdrm	hypo	CHH	-0.0717
Gm04	51165510	51166500	Gmdrm	hypo	CHH	-0.1649
Gm04	51175892	51176860	Gmdrm	hypo	CHH	-0.0196
Gm04	51178630	51179627	Gmdrm	hypo	CHH	-0.0777
Gm04	51179635	51180635	Gmdrm	hypo	CHH	-0.0949
Gm04	51184791	51185777	Gmdrm	hypo	CHH	-0.0894
Gm04	51195429	51196409	Gmdrm	hypo	CHH	-0.0613
Gm04	51196438	51197427	Gmdrm	hypo	CHH	-0.0281
Gm05	9656	10652	Gmdrm	hypo	CHH	-0.0637
Gm05	10659	11491	Gmdrm	hypo	CHH	-0.0934
Gm05	14534	14844	Gmdrm	hypo	CHH	-0.0389
Gm05	19447	20433	Gmdrm	hypo	CHH	-0.0233
Gm05	20464	21241	Gmdrm	hypo	CHH	-0.1587
Gm05	24467	25461	Gmdrm	hypo	CHH	-0.1045
Gm05	25469	26459	Gmdrm	hypo	CHH	-0.1318
Gm05	30451	31429	Gmdrm	hypo	CHH	-0.1188
Gm05	69087	70079	Gmdrm	hypo	CHH	-0.3262
Gm05	70101	70616	Gmdrm	hypo	CHH	-0.0684
Gm05	80913	81680	Gmdrm	hypo	CHH	-0.0246
Gm05	81935	82919	Gmdrm	hypo	CHH	-0.0701
Gm05	82939	83891	Gmdrm	hypo	CHH	-0.0961
Gm05	87599	88592	Gmdrm	hypo	CHH	-0.2292
Gm05	88600	89591	Gmdrm	hypo	CHH	-0.0686
Gm05	89620	90611	Gmdrm	hypo	CHH	-0.0878
Gm05	90632	91627	Gmdrm	hypo	CHH	-0.0143
Gm05	98774	99767	Gmdrm	hypo	CHH	-0.3333
Gm05	100368	100749	Gmdrm	hypo	CHH	-0.086
Gm05	101868	102850	Gmdrm	hypo	CHH	-0.0911

Gm05	108541	108834	Gmdrm	hypo	CHH	-0.0413
Gm05	109293	110279	Gmdrm	hypo	CHH	-0.028
Gm05	114465	114609	Gmdrm	hypo	CHH	-0.0943
Gm05	117316	118018	Gmdrm	hypo	CHH	-0.0266
Gm05	144111	144673	Gmdrm	hypo	CHH	-0.0445
Gm05	151116	152113	Gmdrm	hypo	CHH	-0.0379
Gm05	158256	158498	Gmdrm	hypo	CHH	-0.045
Gm05	159633	160632	Gmdrm	hypo	CHH	-0.0155
Gm05	160635	161625	Gmdrm	hypo	CHH	-0.0602
Gm05	169000	169991	Gmdrm	hypo	CHH	-0.0373
Gm05	171355	171891	Gmdrm	hypo	CHH	-0.0248
Gm05	172306	173286	Gmdrm	hypo	CHH	-0.0138
Gm05	173311	174286	Gmdrm	hypo	CHH	-0.054
Gm05	190462	191446	Gmdrm	hypo	CHH	-0.0208
Gm05	204258	205255	Gmdrm	hypo	CHH	-0.037
Gm05	205259	206050	Gmdrm	hypo	CHH	-0.0162
Gm05	207424	208420	Gmdrm	hypo	CHH	-0.0902
Gm05	208425	208825	Gmdrm	hypo	CHH	-0.0592
Gm05	221275	222225	Gmdrm	hypo	CHH	-0.0596
Gm05	224308	225304	Gmdrm	hypo	CHH	-0.0158
Gm05	226376	227373	Gmdrm	hypo	CHH	-0.0235
Gm05	227377	228373	Gmdrm	hypo	CHH	-0.0718
Gm05	232308	233283	Gmdrm	hypo	CHH	-0.0543
Gm05	233317	234303	Gmdrm	hypo	CHH	-0.0906
Gm05	252067	253067	Gmdrm	hypo	CHH	-0.0389
Gm05	259105	260068	Gmdrm	hypo	CHH	-0.0483
Gm05	260109	261106	Gmdrm	hypo	CHH	-0.0213
Gm05	267170	268154	Gmdrm	hypo	CHH	-0.1309
Gm05	268566	269556	Gmdrm	hypo	CHH	-0.0312
Gm05	269568	270550	Gmdrm	hypo	CHH	-0.047
Gm05	277925	278007	Gmdrm	hypo	CHH	-0.0971
Gm05	278289	279289	Gmdrm	hypo	CHH	-0.1053
Gm05	279297	280294	Gmdrm	hypo	CHH	-0.047
Gm05	280299	281294	Gmdrm	hypo	CHH	-0.0403
Gm05	301681	302677	Gmdrm	hypo	CHH	-0.0663
Gm05	302684	303683	Gmdrm	hypo	CHH	-0.0631
Gm05	303696	304695	Gmdrm	hypo	CHH	-0.0666
Gm05	305753	306741	Gmdrm	hypo	CHH	-0.0157
Gm05	315668	316662	Gmdrm	hypo	CHH	-0.0382
Gm05	333485	334439	Gmdrm	hypo	CHH	-0.0406
Gm05	334521	335519	Gmdrm	hypo	CHH	-0.1549
Gm05	335524	336517	Gmdrm	hypo	CHH	-0.1186
Gm05	340500	341391	Gmdrm	hypo	CHH	-0.0185
Gm05	347531	347725	Gmdrm	hypo	CHH	-0.0562
Gm05	356635	357635	Gmdrm	hypo	CHH	-0.0523
Gm05	357636	358626	Gmdrm	hypo	CHH	-0.0683

Gm05	359823	360550 Gmdrm	hypo	CHH	-0.0141
Gm05	360660	361641 Gmdrm	hypo	CHH	-0.0173
Gm05	361938	362287 Gmdrm	hypo	CHH	-0.0411
Gm05	385814	386800 Gmdrm	hypo	CHH	-0.0138
Gm05	386834	387834 Gmdrm	hypo	CHH	-0.0111
Gm05	389194	390137 Gmdrm	hypo	CHH	-0.0167
Gm05	390367	391328 Gmdrm	hypo	CHH	-0.0211
Gm05	396929	397187 Gmdrm	hypo	CHH	-0.1828
Gm05	405805	406802 Gmdrm	hypo	CHH	-0.0152
Gm05	410144	410843 Gmdrm	hypo	CHH	-0.0176
Gm05	411052	411756 Gmdrm	hypo	CHH	-0.02
Gm05	413948	414935 Gmdrm	hypo	CHH	-0.03
Gm05	417292	417621 Gmdrm	hypo	CHH	-0.0173
Gm05	421815	422815 Gmdrm	hypo	CHH	-0.0205
Gm05	440186	441176 Gmdrm	hypo	CHH	-0.0163
Gm05	441195	442186 Gmdrm	hypo	CHH	-0.0134
Gm05	444266	445076 Gmdrm	hypo	CHH	-0.0156
Gm05	477939	478932 Gmdrm	hypo	CHH	-0.0131
Gm05	484295	484540 Gmdrm	hypo	CHH	-0.0321
Gm05	492459	493452 Gmdrm	hypo	CHH	-0.0162
Gm05	496523	497518 Gmdrm	hypo	CHH	-0.0177
Gm05	507092	508058 Gmdrm	hypo	CHH	-0.0158
Gm05	514823	515814 Gmdrm	hypo	CHH	-0.0166
Gm05	515826	516813 Gmdrm	hypo	CHH	-0.0213
Gm05	535631	536079 Gmdrm	hypo	CHH	-0.04
Gm05	536197	537161 Gmdrm	hypo	CHH	-0.0171
Gm05	541466	542175 Gmdrm	hypo	CHH	-0.1355
Gm05	542604	543604 Gmdrm	hypo	CHH	-0.0519
Gm05	543607	544177 Gmdrm	hypo	CHH	-0.0403
Gm05	544292	545292 Gmdrm	hypo	CHH	-0.0143
Gm05	546306	547280 Gmdrm	hypo	CHH	-0.0427
Gm05	547321	548282 Gmdrm	hypo	CHH	-0.019
Gm05	551384	552383 Gmdrm	hypo	CHH	-0.1071
Gm05	554116	554328 Gmdrm	hypo	CHH	-0.0237
Gm05	565532	566528 Gmdrm	hypo	CHH	-0.072
Gm05	572580	572663 Gmdrm	hypo	CHH	-0.042
Gm05	582663	583660 Gmdrm	hypo	CHH	-0.0184
Gm05	584695	585665 Gmdrm	hypo	CHH	-0.0222
Gm05	590557	591514 Gmdrm	hypo	CHH	-0.0254
Gm05	595378	595809 Gmdrm	hypo	CHH	-0.031
Gm05	596171	597168 Gmdrm	hypo	CHH	-0.2389
Gm05	605261	606244 Gmdrm	hypo	CHH	-0.0134
Gm05	614733	615729 Gmdrm	hypo	CHH	-0.0164
Gm05	618807	619806 Gmdrm	hypo	CHH	-0.0262
Gm05	619831	620825 Gmdrm	hypo	CHH	-0.0194
Gm05	624543	625537 Gmdrm	hypo	CHH	-0.0207

Gm05	625549	626491	Gmdrm	hypo	CHH	-0.0374
Gm05	630160	631122	Gmdrm	hypo	CHH	-0.1358
Gm05	643844	644836	Gmdrm	hypo	CHH	-0.0742
Gm05	647563	648539	Gmdrm	hypo	CHH	-0.0158
Gm05	656664	657652	Gmdrm	hypo	CHH	-0.0159
Gm05	657670	658650	Gmdrm	hypo	CHH	-0.0444
Gm05	661504	662313	Gmdrm	hypo	CHH	-0.0365
Gm05	662612	663595	Gmdrm	hypo	CHH	-0.0813
Gm05	664636	665624	Gmdrm	hypo	CHH	-0.011
Gm05	678030	679022	Gmdrm	hypo	CHH	-0.0752
Gm05	679031	680014	Gmdrm	hypo	CHH	-0.1165
Gm05	685928	686802	Gmdrm	hypo	CHH	-0.1787
Gm05	686906	687903	Gmdrm	hypo	CHH	-0.175
Gm05	687908	688891	Gmdrm	hypo	CHH	-0.0851
Gm05	690052	691025	Gmdrm	hypo	CHH	-0.0179
Gm05	701834	702823	Gmdrm	hypo	CHH	-0.0295
Gm05	704800	705799	Gmdrm	hypo	CHH	-0.0818
Gm05	710577	711576	Gmdrm	hypo	CHH	-0.0466
Gm05	713918	714007	Gmdrm	hypo	CHH	-0.1378
Gm05	714110	714982	Gmdrm	hypo	CHH	-0.0545
Gm05	715091	715581	Gmdrm	hypo	CHH	-0.0639
Gm05	716733	717536	Gmdrm	hypo	CHH	-0.0292
Gm05	721662	722618	Gmdrm	hypo	CHH	-0.0286
Gm05	722686	723660	Gmdrm	hypo	CHH	-0.0213
Gm05	726137	727105	Gmdrm	hypo	CHH	-0.0385
Gm05	729897	730894	Gmdrm	hypo	CHH	-0.0296
Gm05	732872	733871	Gmdrm	hypo	CHH	-0.0448
Gm05	740972	741971	Gmdrm	hypo	CHH	-0.0229
Gm05	761943	762933	Gmdrm	hypo	CHH	-0.0132
Gm05	763868	764863	Gmdrm	hypo	CHH	-0.0475
Gm05	764878	765876	Gmdrm	hypo	CHH	-0.0442
Gm05	787869	788845	Gmdrm	hypo	CHH	-0.0213
Gm05	805295	806289	Gmdrm	hypo	CHH	-0.1416
Gm05	807322	808321	Gmdrm	hypo	CHH	-0.0367
Gm05	808324	809289	Gmdrm	hypo	CHH	-0.0385
Gm05	812939	813938	Gmdrm	hypo	CHH	-0.1344
Gm05	813943	814942	Gmdrm	hypo	CHH	-0.0892
Gm05	815007	815918	Gmdrm	hypo	CHH	-0.0222
Gm05	828266	829095	Gmdrm	hypo	CHH	-0.0437
Gm05	829210	830205	Gmdrm	hypo	CHH	-0.0155
Gm05	830242	831238	Gmdrm	hypo	CHH	-0.4878
Gm05	835125	835927	Gmdrm	hypo	CHH	-0.141
Gm05	851499	852489	Gmdrm	hypo	CHH	-0.2571
Gm05	864901	865901	Gmdrm	hypo	CHH	-0.015
Gm05	865902	866900	Gmdrm	hypo	CHH	-0.0226
Gm05	866908	867906	Gmdrm	hypo	CHH	-0.0273

Gm05	868923	869906 Gmdrm	hypo	CHH	-0.0412
Gm05	875059	876059 Gmdrm	hypo	CHH	-0.0344
Gm05	877094	878084 Gmdrm	hypo	CHH	-0.2077
Gm05	885891	886860 Gmdrm	hypo	CHH	-0.0166
Gm05	888430	889425 Gmdrm	hypo	CHH	-0.0204
Gm05	906408	907407 Gmdrm	hypo	CHH	-0.0409
Gm05	907414	908412 Gmdrm	hypo	CHH	-0.0629
Gm05	908419	908923 Gmdrm	hypo	CHH	-0.1478
Gm05	937269	938269 Gmdrm	hypo	CHH	-0.0149
Gm05	943381	944367 Gmdrm	hypo	CHH	-0.0228
Gm05	945404	946381 Gmdrm	hypo	CHH	-0.0235
Gm05	950233	951000 Gmdrm	hypo	CHH	-0.0411
Gm05	951365	952021 Gmdrm	hypo	CHH	-0.0207
Gm05	953448	953518 Gmdrm	hypo	CHH	-0.1318
Gm05	957040	958037 Gmdrm	hypo	CHH	-0.0246
Gm05	960804	961801 Gmdrm	hypo	CHH	-0.0785
Gm05	962817	963801 Gmdrm	hypo	CHH	-0.1828
Gm05	963824	964823 Gmdrm	hypo	CHH	-0.2425
Gm05	964825	965135 Gmdrm	hypo	CHH	-0.371
Gm05	968627	968686 Gmdrm	hypo	CHH	-0.08
Gm05	971820	972814 Gmdrm	hypo	CHH	-0.156
Gm05	972822	973811 Gmdrm	hypo	CHH	-0.2365
Gm05	980469	981092 Gmdrm	hypo	CHH	-0.0416
Gm05	987878	988872 Gmdrm	hypo	CHH	-0.0522
Gm05	988885	989862 Gmdrm	hypo	CHH	-0.0573
Gm05	1000573	1000809 Gmdrm	hypo	CHH	-0.038
Gm05	1008329	1009327 Gmdrm	hypo	CHH	-0.0177
Gm05	1012364	1013351 Gmdrm	hypo	CHH	-0.1126
Gm05	1014402	1015402 Gmdrm	hypo	CHH	-0.2173
Gm05	1015406	1016194 Gmdrm	hypo	CHH	-0.1695
Gm05	1020265	1021261 Gmdrm	hypo	CHH	-0.0632
Gm05	1021266	1022178 Gmdrm	hypo	CHH	-0.1422
Gm05	1045102	1045820 Gmdrm	hypo	CHH	-0.0162
Gm05	1050531	1051529 Gmdrm	hypo	CHH	-0.0455
Gm05	1054549	1055530 Gmdrm	hypo	CHH	-0.0195
Gm05	1074835	1075820 Gmdrm	hypo	CHH	-0.02
Gm05	1080120	1081120 Gmdrm	hypo	CHH	-0.0193
Gm05	1081147	1081844 Gmdrm	hypo	CHH	-0.1265
Gm05	1081992	1082077 Gmdrm	hypo	CHH	-0.0667
Gm05	1096840	1097840 Gmdrm	hypo	CHH	-0.0275
Gm05	1097841	1098831 Gmdrm	hypo	CHH	-0.1022
Gm05	1101928	1102790 Gmdrm	hypo	CHH	-0.0289
Gm05	1117731	1118729 Gmdrm	hypo	CHH	-0.1259
Gm05	1118747	1119716 Gmdrm	hypo	CHH	-0.0702
Gm05	1120834	1121827 Gmdrm	hypo	CHH	-0.0622
Gm05	1127936	1128489 Gmdrm	hypo	CHH	-0.0526

Gm05	1128843	1129835	Gmdrm	hypo	CHH	-0.1176
Gm05	1137351	1138028	Gmdrm	hypo	CHH	-0.0119
Gm05	1138133	1139132	Gmdrm	hypo	CHH	-0.122
Gm05	1139135	1139613	Gmdrm	hypo	CHH	-0.0958
Gm05	1146150	1147134	Gmdrm	hypo	CHH	-0.0335
Gm05	1149892	1150636	Gmdrm	hypo	CHH	-0.0487
Gm05	1153085	1154084	Gmdrm	hypo	CHH	-0.0211
Gm05	1154087	1155084	Gmdrm	hypo	CHH	-0.0153
Gm05	1177266	1178266	Gmdrm	hypo	CHH	-0.0171
Gm05	1199459	1200459	Gmdrm	hypo	CHH	-0.0896
Gm05	1200463	1201460	Gmdrm	hypo	CHH	-0.0267
Gm05	1201467	1201835	Gmdrm	hypo	CHH	-0.0194
Gm05	1202442	1203420	Gmdrm	hypo	CHH	-0.0244
Gm05	1203453	1204447	Gmdrm	hypo	CHH	-0.0516
Gm05	1208460	1208963	Gmdrm	hypo	CHH	-0.0277
Gm05	1223838	1224829	Gmdrm	hypo	CHH	-0.0202
Gm05	1226733	1227703	Gmdrm	hypo	CHH	-0.0374
Gm05	1231217	1232159	Gmdrm	hypo	CHH	-0.0525
Gm05	1237560	1238555	Gmdrm	hypo	CHH	-0.0909
Gm05	1239282	1240275	Gmdrm	hypo	CHH	-0.0188
Gm05	1256367	1257362	Gmdrm	hypo	CHH	-0.0208
Gm05	1264236	1265230	Gmdrm	hypo	CHH	-0.0423
Gm05	1267768	1268761	Gmdrm	hypo	CHH	-0.0233
Gm05	1297663	1298645	Gmdrm	hypo	CHH	-0.0207
Gm05	1301880	1302878	Gmdrm	hypo	CHH	-0.0347
Gm05	1314860	1315471	Gmdrm	hypo	CHH	-0.0716
Gm05	1320908	1321906	Gmdrm	hypo	CHH	-0.1581
Gm05	1321919	1322903	Gmdrm	hypo	CHH	-0.0815
Gm05	1327735	1328723	Gmdrm	hypo	CHH	-0.0768
Gm05	1328751	1329751	Gmdrm	hypo	CHH	-0.0498
Gm05	1330765	1331752	Gmdrm	hypo	CHH	-0.0691
Gm05	1334822	1335810	Gmdrm	hypo	CHH	-0.0165
Gm05	1336400	1336460	Gmdrm	hypo	CHH	-0.116
Gm05	1341060	1342060	Gmdrm	hypo	CHH	-0.1992
Gm05	1350127	1351114	Gmdrm	hypo	CHH	-0.0364
Gm05	1352705	1353634	Gmdrm	hypo	CHH	-0.0144
Gm05	1378476	1379476	Gmdrm	hypo	CHH	-0.0305
Gm05	1381276	1381567	Gmdrm	hypo	CHH	-0.0822
Gm05	1401636	1402601	Gmdrm	hypo	CHH	-0.1645
Gm05	1406249	1407209	Gmdrm	hypo	CHH	-0.0221
Gm05	1429684	1430667	Gmdrm	hypo	CHH	-0.0273
Gm05	1430686	1431674	Gmdrm	hypo	CHH	-0.0862
Gm05	1432681	1433670	Gmdrm	hypo	CHH	-0.0123
Gm05	1435540	1436534	Gmdrm	hypo	CHH	-0.0275
Gm05	1438268	1439248	Gmdrm	hypo	CHH	-0.0106
Gm05	1446536	1447522	Gmdrm	hypo	CHH	-0.0167

Gm05	1449053	1450021	Gmdrm	hypo	CHH	-0.0176
Gm05	1456602	1457164	Gmdrm	hypo	CHH	-0.0436
Gm05	1468647	1469633	Gmdrm	hypo	CHH	-0.0223
Gm05	1501266	1502259	Gmdrm	hypo	CHH	-0.0151
Gm05	1504427	1505417	Gmdrm	hypo	CHH	-0.0895
Gm05	1507889	1508887	Gmdrm	hypo	CHH	-0.059
Gm05	1508897	1509891	Gmdrm	hypo	CHH	-0.0328
Gm05	1514721	1515680	Gmdrm	hypo	CHH	-0.0195
Gm05	1515953	1516896	Gmdrm	hypo	CHH	-0.0167
Gm05	1519536	1520008	Gmdrm	hypo	CHH	-0.0166
Gm05	1530054	1531052	Gmdrm	hypo	CHH	-0.0353
Gm05	1531073	1532061	Gmdrm	hypo	CHH	-0.1463
Gm05	1532076	1533023	Gmdrm	hypo	CHH	-0.1435
Gm05	1536138	1536300	Gmdrm	hypo	CHH	-0.05
Gm05	1556341	1557335	Gmdrm	hypo	CHH	-0.1692
Gm05	1567167	1568165	Gmdrm	hypo	CHH	-0.406
Gm05	1584525	1585514	Gmdrm	hypo	CHH	-0.1471
Gm05	1585539	1586538	Gmdrm	hypo	CHH	-0.0517
Gm05	1586544	1586892	Gmdrm	hypo	CHH	-0.0614
Gm05	1591098	1592092	Gmdrm	hypo	CHH	-0.0155
Gm05	1592106	1593106	Gmdrm	hypo	CHH	-0.0191
Gm05	1608876	1609870	Gmdrm	hypo	CHH	-0.0884
Gm05	1614697	1615697	Gmdrm	hypo	CHH	-0.1563
Gm05	1615699	1616698	Gmdrm	hypo	CHH	-0.0716
Gm05	1616705	1617298	Gmdrm	hypo	CHH	-0.0245
Gm05	1627283	1627931	Gmdrm	hypo	CHH	-0.0998
Gm05	1653074	1653790	Gmdrm	hypo	CHH	-0.0161
Gm05	1657242	1658242	Gmdrm	hypo	CHH	-0.1258
Gm05	1658243	1659116	Gmdrm	hypo	CHH	-0.0422
Gm05	1659400	1660398	Gmdrm	hypo	CHH	-0.034
Gm05	1674314	1675308	Gmdrm	hypo	CHH	-0.0132
Gm05	1675559	1676558	Gmdrm	hypo	CHH	-0.1505
Gm05	1678589	1679579	Gmdrm	hypo	CHH	-0.0117
Gm05	1681287	1682287	Gmdrm	hypo	CHH	-0.0835
Gm05	1685452	1686438	Gmdrm	hypo	CHH	-0.0142
Gm05	1700242	1701199	Gmdrm	hypo	CHH	-0.0193
Gm05	1707520	1708501	Gmdrm	hypo	CHH	-0.0127
Gm05	1708521	1709515	Gmdrm	hypo	CHH	-0.0228
Gm05	1711885	1712858	Gmdrm	hypo	CHH	-0.0184
Gm05	1721112	1721286	Gmdrm	hypo	CHH	-0.064
Gm05	1736743	1737743	Gmdrm	hypo	CHH	-0.0494
Gm05	1737746	1738746	Gmdrm	hypo	CHH	-0.0577
Gm05	1739188	1740168	Gmdrm	hypo	CHH	-0.0109
Gm05	1765910	1766907	Gmdrm	hypo	CHH	-0.0273
Gm05	1778726	1779710	Gmdrm	hypo	CHH	-0.2183
Gm05	1788825	1789811	Gmdrm	hypo	CHH	-0.0337

Gm05	1795870	1796863	Gmdrm	hypo	CHH	-0.028
Gm05	1798884	1799473	Gmdrm	hypo	CHH	-0.024
Gm05	1801279	1801889	Gmdrm	hypo	CHH	-0.0424
Gm05	1826805	1827804	Gmdrm	hypo	CHH	-0.1301
Gm05	1828849	1829848	Gmdrm	hypo	CHH	-0.0861
Gm05	1829853	1830853	Gmdrm	hypo	CHH	-0.0383
Gm05	1830866	1831866	Gmdrm	hypo	CHH	-0.1119
Gm05	1831878	1832876	Gmdrm	hypo	CHH	-0.1182
Gm05	1857383	1858373	Gmdrm	hypo	CHH	-0.0234
Gm05	1870124	1871121	Gmdrm	hypo	CHH	-0.1911
Gm05	1871133	1872129	Gmdrm	hypo	CHH	-0.2151
Gm05	1876541	1877493	Gmdrm	hypo	CHH	-0.014
Gm05	1883021	1883501	Gmdrm	hypo	CHH	-0.0508
Gm05	1896363	1897352	Gmdrm	hypo	CHH	-0.0145
Gm05	1902558	1903482	Gmdrm	hypo	CHH	-0.031
Gm05	1913346	1914335	Gmdrm	hypo	CHH	-0.0184
Gm05	1923386	1924377	Gmdrm	hypo	CHH	-0.0164
Gm05	1930301	1931295	Gmdrm	hypo	CHH	-0.0377
Gm05	1931307	1931365	Gmdrm	hypo	CHH	-0.04
Gm05	1934527	1935512	Gmdrm	hypo	CHH	-0.254
Gm05	1935528	1936042	Gmdrm	hypo	CHH	-0.3941
Gm05	1937354	1938335	Gmdrm	hypo	CHH	-0.015
Gm05	1940418	1941400	Gmdrm	hypo	CHH	-0.0468
Gm05	1941419	1942406	Gmdrm	hypo	CHH	-0.0243
Gm05	1943453	1944193	Gmdrm	hypo	CHH	-0.0164
Gm05	1968074	1968349	Gmdrm	hypo	CHH	-0.0304
Gm05	1968455	1969332	Gmdrm	hypo	CHH	-0.0285
Gm05	1971475	1972471	Gmdrm	hypo	CHH	-0.222
Gm05	1999350	1999745	Gmdrm	hypo	CHH	-0.0459
Gm05	2013293	2014291	Gmdrm	hypo	CHH	-0.2225
Gm05	2018177	2019164	Gmdrm	hypo	CHH	-0.0503
Gm05	2019182	2020181	Gmdrm	hypo	CHH	-0.0383
Gm05	2020192	2021164	Gmdrm	hypo	CHH	-0.075
Gm05	2023784	2024361	Gmdrm	hypo	CHH	-0.036
Gm05	2038617	2039574	Gmdrm	hypo	CHH	-0.0155
Gm05	2049078	2049620	Gmdrm	hypo	CHH	-0.024
Gm05	2054842	2055824	Gmdrm	hypo	CHH	-0.0865
Gm05	2059222	2060222	Gmdrm	hypo	CHH	-0.1541
Gm05	2060228	2060696	Gmdrm	hypo	CHH	-0.3081
Gm05	2062294	2063291	Gmdrm	hypo	CHH	-0.0262
Gm05	2071219	2072175	Gmdrm	hypo	CHH	-0.0241
Gm05	2073255	2074216	Gmdrm	hypo	CHH	-0.0637
Gm05	2074265	2075265	Gmdrm	hypo	CHH	-0.0678
Gm05	2075276	2076268	Gmdrm	hypo	CHH	-0.0335
Gm05	2090733	2091680	Gmdrm	hypo	CHH	-0.0237
Gm05	2094481	2095473	Gmdrm	hypo	CHH	-0.1235

Gm05	2096680	2097663 Gmdrm	hypo	CHH	-0.0149
Gm05	2106391	2107384 Gmdrm	hypo	CHH	-0.0202
Gm05	2110420	2111413 Gmdrm	hypo	CHH	-0.0122
Gm05	2113812	2114793 Gmdrm	hypo	CHH	-0.1952
Gm05	2117899	2118893 Gmdrm	hypo	CHH	-0.0286
Gm05	2122992	2123984 Gmdrm	hypo	CHH	-0.0194
Gm05	2132668	2133655 Gmdrm	hypo	CHH	-0.0162
Gm05	2138549	2139304 Gmdrm	hypo	CHH	-0.086
Gm05	2140441	2141441 Gmdrm	hypo	CHH	-0.1343
Gm05	2150865	2151854 Gmdrm	hypo	CHH	-0.0208
Gm05	2156604	2157590 Gmdrm	hypo	CHH	-0.0222
Gm05	2174360	2175351 Gmdrm	hypo	CHH	-0.0197
Gm05	2190398	2190760 Gmdrm	hypo	CHH	-0.074
Gm05	2193141	2194136 Gmdrm	hypo	CHH	-0.0222
Gm05	2195299	2196297 Gmdrm	hypo	CHH	-0.0322
Gm05	2196320	2197313 Gmdrm	hypo	CHH	-0.0665
Gm05	2223749	2224746 Gmdrm	hypo	CHH	-0.0704
Gm05	2224751	2225743 Gmdrm	hypo	CHH	-0.0677
Gm05	2225756	2226747 Gmdrm	hypo	CHH	-0.0838
Gm05	2244950	2245947 Gmdrm	hypo	CHH	-0.1088
Gm05	2256378	2257362 Gmdrm	hypo	CHH	-0.0694
Gm05	2270375	2271368 Gmdrm	hypo	CHH	-0.2266
Gm05	2278539	2279530 Gmdrm	hypo	CHH	-0.0191
Gm05	2282618	2283611 Gmdrm	hypo	CHH	-0.2322
Gm05	2310081	2311074 Gmdrm	hypo	CHH	-0.0687
Gm05	2318707	2319576 Gmdrm	hypo	CHH	-0.0125
Gm05	2321276	2321495 Gmdrm	hypo	CHH	-0.0561
Gm05	2330981	2331981 Gmdrm	hypo	CHH	-0.0163
Gm05	2336141	2337135 Gmdrm	hypo	CHH	-0.1362
Gm05	2341595	2342595 Gmdrm	hypo	CHH	-0.0322
Gm05	2342598	2343592 Gmdrm	hypo	CHH	-0.1174
Gm05	2344418	2345404 Gmdrm	hypo	CHH	-0.2077
Gm05	2351843	2352837 Gmdrm	hypo	CHH	-0.0481
Gm05	2364411	2365410 Gmdrm	hypo	CHH	-0.1389
Gm05	2365415	2365741 Gmdrm	hypo	CHH	-0.2654
Gm05	2372151	2373146 Gmdrm	hypo	CHH	-0.2113
Gm05	2373152	2374142 Gmdrm	hypo	CHH	-0.23
Gm05	2376326	2377317 Gmdrm	hypo	CHH	-0.2712
Gm05	2382564	2383563 Gmdrm	hypo	CHH	-0.043
Gm05	2383565	2384554 Gmdrm	hypo	CHH	-0.0661
Gm05	2384969	2385044 Gmdrm	hypo	CHH	-0.045
Gm05	2386199	2387191 Gmdrm	hypo	CHH	-0.0501
Gm05	2404965	2405581 Gmdrm	hypo	CHH	-0.0406
Gm05	2411082	2412008 Gmdrm	hypo	CHH	-0.0168
Gm05	2419723	2420701 Gmdrm	hypo	CHH	-0.0307
Gm05	2423854	2424830 Gmdrm	hypo	CHH	-0.0607

Gm05	2425748	2426226 Gmdrm	hypo	CHH	-0.0321
Gm05	2439626	2440623 Gmdrm	hypo	CHH	-0.0212
Gm05	2440684	2441668 Gmdrm	hypo	CHH	-0.0141
Gm05	2447650	2448645 Gmdrm	hypo	CHH	-0.0149
Gm05	2448673	2449668 Gmdrm	hypo	CHH	-0.0551
Gm05	2449679	2450661 Gmdrm	hypo	CHH	-0.0611
Gm05	2452723	2453712 Gmdrm	hypo	CHH	-0.0172
Gm05	2456079	2457055 Gmdrm	hypo	CHH	-0.0222
Gm05	2469577	2470576 Gmdrm	hypo	CHH	-0.0366
Gm05	2476623	2477604 Gmdrm	hypo	CHH	-0.012
Gm05	2483568	2484138 Gmdrm	hypo	CHH	-0.0306
Gm05	2485576	2486538 Gmdrm	hypo	CHH	-0.0116
Gm05	2489948	2490940 Gmdrm	hypo	CHH	-0.0418
Gm05	2490958	2491947 Gmdrm	hypo	CHH	-0.1167
Gm05	2501152	2502132 Gmdrm	hypo	CHH	-0.0706
Gm05	2506247	2506701 Gmdrm	hypo	CHH	-0.0352
Gm05	2509930	2510687 Gmdrm	hypo	CHH	-0.0232
Gm05	2521584	2522509 Gmdrm	hypo	CHH	-0.0135
Gm05	2524822	2525818 Gmdrm	hypo	CHH	-0.0129
Gm05	2525823	2526813 Gmdrm	hypo	CHH	-0.0575
Gm05	2534783	2535782 Gmdrm	hypo	CHH	-0.2541
Gm05	2543159	2543241 Gmdrm	hypo	CHH	-0.1129
Gm05	2544914	2545892 Gmdrm	hypo	CHH	-0.0198
Gm05	2550351	2550864 Gmdrm	hypo	CHH	-0.0343
Gm05	2556272	2557261 Gmdrm	hypo	CHH	-0.1008
Gm05	2557273	2557866 Gmdrm	hypo	CHH	-0.2814
Gm05	2558112	2558888 Gmdrm	hypo	CHH	-0.3229
Gm05	2559278	2559614 Gmdrm	hypo	CHH	-0.5112
Gm05	2559720	2560470 Gmdrm	hypo	CHH	-0.2744
Gm05	2564594	2565591 Gmdrm	hypo	CHH	-0.1029
Gm05	2574965	2575959 Gmdrm	hypo	CHH	-0.0453
Gm05	2575966	2576946 Gmdrm	hypo	CHH	-0.0787
Gm05	2576984	2577982 Gmdrm	hypo	CHH	-0.0134
Gm05	2580025	2580977 Gmdrm	hypo	CHH	-0.0572
Gm05	2586368	2586880 Gmdrm	hypo	CHH	-0.0204
Gm05	2601127	2602123 Gmdrm	hypo	CHH	-0.2154
Gm05	2602143	2603133 Gmdrm	hypo	CHH	-0.1686
Gm05	2603959	2604957 Gmdrm	hypo	CHH	-0.0138
Gm05	2619279	2620274 Gmdrm	hypo	CHH	-0.0311
Gm05	2620305	2621278 Gmdrm	hypo	CHH	-0.0276
Gm05	2621341	2622021 Gmdrm	hypo	CHH	-0.0221
Gm05	2623165	2624165 Gmdrm	hypo	CHH	-0.05
Gm05	2624190	2625185 Gmdrm	hypo	CHH	-0.0429
Gm05	2625192	2626185 Gmdrm	hypo	CHH	-0.0995
Gm05	2646838	2647825 Gmdrm	hypo	CHH	-0.0193
Gm05	2651875	2652872 Gmdrm	hypo	CHH	-0.0215

Gm05	2654955	2655177	Gmdrm	hypo	CHH	-0.04
Gm05	2657342	2658342	Gmdrm	hypo	CHH	-0.0083
Gm05	2658348	2659348	Gmdrm	hypo	CHH	-0.0241
Gm05	2674063	2675038	Gmdrm	hypo	CHH	-0.0155
Gm05	2677602	2678597	Gmdrm	hypo	CHH	-0.0357
Gm05	2687428	2688125	Gmdrm	hypo	CHH	-0.0218
Gm05	2688658	2689641	Gmdrm	hypo	CHH	-0.2078
Gm05	2689671	2690565	Gmdrm	hypo	CHH	-0.015
Gm05	2693981	2694260	Gmdrm	hypo	CHH	-0.0443
Gm05	2701034	2702006	Gmdrm	hypo	CHH	-0.016
Gm05	2703043	2704043	Gmdrm	hypo	CHH	-0.079
Gm05	2704046	2705034	Gmdrm	hypo	CHH	-0.0844
Gm05	2705050	2706049	Gmdrm	hypo	CHH	-0.1691
Gm05	2706054	2706751	Gmdrm	hypo	CHH	-0.1076
Gm05	2716764	2717764	Gmdrm	hypo	CHH	-0.0779
Gm05	2717766	2718180	Gmdrm	hypo	CHH	-0.1342
Gm05	2732892	2733007	Gmdrm	hypo	CHH	-0.0833
Gm05	2742863	2743860	Gmdrm	hypo	CHH	-0.0638
Gm05	2758753	2759746	Gmdrm	hypo	CHH	-0.1098
Gm05	2759755	2760204	Gmdrm	hypo	CHH	-0.0745
Gm05	2763962	2764961	Gmdrm	hypo	CHH	-0.0247
Gm05	2788648	2789644	Gmdrm	hypo	CHH	-0.1538
Gm05	2789651	2789934	Gmdrm	hypo	CHH	-0.0364
Gm05	2809793	2810783	Gmdrm	hypo	CHH	-0.117
Gm05	2810803	2811797	Gmdrm	hypo	CHH	-0.0565
Gm05	2811807	2812805	Gmdrm	hypo	CHH	-0.0261
Gm05	2812812	2813783	Gmdrm	hypo	CHH	-0.0202
Gm05	2830282	2831086	Gmdrm	hypo	CHH	-0.0184
Gm05	2859340	2860338	Gmdrm	hypo	CHH	-0.0698
Gm05	2868277	2869273	Gmdrm	hypo	CHH	-0.0127
Gm05	2873250	2874227	Gmdrm	hypo	CHH	-0.0186
Gm05	2883618	2884610	Gmdrm	hypo	CHH	-0.0297
Gm05	2885338	2886334	Gmdrm	hypo	CHH	-0.0802
Gm05	2886348	2887345	Gmdrm	hypo	CHH	-0.1018
Gm05	2887352	2888351	Gmdrm	hypo	CHH	-0.1566
Gm05	2890789	2891785	Gmdrm	hypo	CHH	-0.1042
Gm05	2891791	2892765	Gmdrm	hypo	CHH	-0.0165
Gm05	2904024	2904981	Gmdrm	hypo	CHH	-0.3218
Gm05	2913482	2914482	Gmdrm	hypo	CHH	-0.0754
Gm05	2914483	2914648	Gmdrm	hypo	CHH	-0.051
Gm05	2916011	2917010	Gmdrm	hypo	CHH	-0.0144
Gm05	2917023	2918015	Gmdrm	hypo	CHH	-0.0494
Gm05	2918051	2919044	Gmdrm	hypo	CHH	-0.0147
Gm05	2923100	2924092	Gmdrm	hypo	CHH	-0.0696
Gm05	2925526	2926479	Gmdrm	hypo	CHH	-0.0231
Gm05	2933319	2934312	Gmdrm	hypo	CHH	-0.1841

Gm05	2937344	2938344 Gmdrm	hypo	CHH	-0.0536
Gm05	2950698	2951691 Gmdrm	hypo	CHH	-0.0189
Gm05	2978399	2979395 Gmdrm	hypo	CHH	-0.0929
Gm05	2991493	2992480 Gmdrm	hypo	CHH	-0.1031
Gm05	3006461	3007447 Gmdrm	hypo	CHH	-0.0141
Gm05	3013773	3014767 Gmdrm	hypo	CHH	-0.169
Gm05	3014783	3015385 Gmdrm	hypo	CHH	-0.1033
Gm05	3020066	3021062 Gmdrm	hypo	CHH	-0.0796
Gm05	3023046	3024040 Gmdrm	hypo	CHH	-0.0483
Gm05	3030386	3031377 Gmdrm	hypo	CHH	-0.0632
Gm05	3044284	3044752 Gmdrm	hypo	CHH	-0.0237
Gm05	3045880	3046880 Gmdrm	hypo	CHH	-0.0525
Gm05	3046887	3047886 Gmdrm	hypo	CHH	-0.1426
Gm05	3049996	3050223 Gmdrm	hypo	CHH	-0.0168
Gm05	3053465	3054464 Gmdrm	hypo	CHH	-0.1435
Gm05	3054469	3055209 Gmdrm	hypo	CHH	-0.4951
Gm05	3065611	3066610 Gmdrm	hypo	CHH	-0.1059
Gm05	3069925	3070921 Gmdrm	hypo	CHH	-0.018
Gm05	3077383	3078372 Gmdrm	hypo	CHH	-0.0193
Gm05	3079953	3080952 Gmdrm	hypo	CHH	-0.0679
Gm05	3080954	3081944 Gmdrm	hypo	CHH	-0.2187
Gm05	3087040	3088008 Gmdrm	hypo	CHH	-0.1686
Gm05	3096888	3097887 Gmdrm	hypo	CHH	-0.1326
Gm05	3101843	3102837 Gmdrm	hypo	CHH	-0.0216
Gm05	3112911	3113907 Gmdrm	hypo	CHH	-0.0554
Gm05	3115930	3116925 Gmdrm	hypo	CHH	-0.0356
Gm05	3119518	3120416 Gmdrm	hypo	CHH	-0.0315
Gm05	3121203	3121581 Gmdrm	hypo	CHH	-0.1124
Gm05	3126984	3127975 Gmdrm	hypo	CHH	-0.0516
Gm05	3129725	3129872 Gmdrm	hypo	CHH	-0.0443
Gm05	3135089	3135506 Gmdrm	hypo	CHH	-0.0245
Gm05	3167454	3168323 Gmdrm	hypo	CHH	-0.0181
Gm05	3181977	3182971 Gmdrm	hypo	CHH	-0.0139
Gm05	3188162	3189154 Gmdrm	hypo	CHH	-0.0579
Gm05	3189200	3190189 Gmdrm	hypo	CHH	-0.046
Gm05	3192069	3193060 Gmdrm	hypo	CHH	-0.0311
Gm05	3196101	3197087 Gmdrm	hypo	CHH	-0.0274
Gm05	3199568	3200521 Gmdrm	hypo	CHH	-0.0179
Gm05	3202657	3203621 Gmdrm	hypo	CHH	-0.0215
Gm05	3204111	3205086 Gmdrm	hypo	CHH	-0.08
Gm05	3207138	3208130 Gmdrm	hypo	CHH	-0.0143
Gm05	3216345	3217331 Gmdrm	hypo	CHH	-0.079
Gm05	3217358	3218357 Gmdrm	hypo	CHH	-0.0801
Gm05	3225474	3226460 Gmdrm	hypo	CHH	-0.0164
Gm05	3227138	3228121 Gmdrm	hypo	CHH	-0.0175
Gm05	3228142	3228526 Gmdrm	hypo	CHH	-0.0474

Gm05	3230708	3231690 Gmdrm	hypo	CHH	-0.2822
Gm05	3231714	3232704 Gmdrm	hypo	CHH	-0.0569
Gm05	3236636	3237619 Gmdrm	hypo	CHH	-0.0471
Gm05	3237643	3238079 Gmdrm	hypo	CHH	-0.0321
Gm05	3242454	3242562 Gmdrm	hypo	CHH	-0.06
Gm05	3242860	3243840 Gmdrm	hypo	CHH	-0.0172
Gm05	3243870	3244869 Gmdrm	hypo	CHH	-0.1025
Gm05	3244872	3245025 Gmdrm	hypo	CHH	-0.0367
Gm05	3245126	3246126 Gmdrm	hypo	CHH	-0.0219
Gm05	3248217	3249216 Gmdrm	hypo	CHH	-0.0189
Gm05	3249220	3250200 Gmdrm	hypo	CHH	-0.0671
Gm05	3267471	3268445 Gmdrm	hypo	CHH	-0.0258
Gm05	3280662	3281641 Gmdrm	hypo	CHH	-0.0262
Gm05	3297577	3297593 Gmdrm	hypo	CHH	-0.234
Gm05	3302123	3302475 Gmdrm	hypo	CHH	-0.0939
Gm05	3474135	3475095 Gmdrm	hypo	CHH	-0.0237
Gm05	3480305	3481083 Gmdrm	hypo	CHH	-0.0125
Gm05	3496294	3497291 Gmdrm	hypo	CHH	-0.0485
Gm05	3504238	3505214 Gmdrm	hypo	CHH	-0.0229
Gm05	3512440	3513437 Gmdrm	hypo	CHH	-0.0393
Gm05	3518877	3519759 Gmdrm	hypo	CHH	-0.0857
Gm05	3519963	3520703 Gmdrm	hypo	CHH	-0.0843
Gm05	3521605	3522599 Gmdrm	hypo	CHH	-0.0754
Gm05	3531465	3531999 Gmdrm	hypo	CHH	-0.128
Gm05	3532112	3533096 Gmdrm	hypo	CHH	-0.0528
Gm05	3543082	3544070 Gmdrm	hypo	CHH	-0.0794
Gm05	3544085	3545052 Gmdrm	hypo	CHH	-0.1444
Gm05	3547549	3548435 Gmdrm	hypo	CHH	-0.1076
Gm05	3548676	3549676 Gmdrm	hypo	CHH	-0.065
Gm05	3550685	3551655 Gmdrm	hypo	CHH	-0.0585
Gm05	3557151	3558141 Gmdrm	hypo	CHH	-0.0287
Gm05	3558360	3558848 Gmdrm	hypo	CHH	-0.0274
Gm05	3568482	3568697 Gmdrm	hypo	CHH	-0.0808
Gm05	3577834	3578092 Gmdrm	hypo	CHH	-0.025
Gm05	3584489	3585478 Gmdrm	hypo	CHH	-0.0941
Gm05	3585490	3586486 Gmdrm	hypo	CHH	-0.0308
Gm05	3588898	3589874 Gmdrm	hypo	CHH	-0.0532
Gm05	3593799	3594740 Gmdrm	hypo	CHH	-0.0175
Gm05	3600622	3601620 Gmdrm	hypo	CHH	-0.099
Gm05	3601634	3602619 Gmdrm	hypo	CHH	-0.0667
Gm05	3609239	3609354 Gmdrm	hypo	CHH	-0.0913
Gm05	3610381	3611363 Gmdrm	hypo	CHH	-0.0474
Gm05	3617558	3617975 Gmdrm	hypo	CHH	-0.0427
Gm05	3619141	3619539 Gmdrm	hypo	CHH	-0.0124
Gm05	3633186	3634172 Gmdrm	hypo	CHH	-0.1589
Gm05	3635293	3636283 Gmdrm	hypo	CHH	-0.0368

Gm05	3636295	3637276	Gmdrm	hypo	CHH	-0.0812
Gm05	3640336	3641327	Gmdrm	hypo	CHH	-0.0749
Gm05	3649269	3649689	Gmdrm	hypo	CHH	-0.0592
Gm05	3655243	3656240	Gmdrm	hypo	CHH	-0.016
Gm05	3667402	3668346	Gmdrm	hypo	CHH	-0.074
Gm05	3668409	3669402	Gmdrm	hypo	CHH	-0.0534
Gm05	3669442	3670439	Gmdrm	hypo	CHH	-0.167
Gm05	3670443	3671414	Gmdrm	hypo	CHH	-0.176
Gm05	3672508	3673163	Gmdrm	hypo	CHH	-0.0147
Gm05	3676444	3677246	Gmdrm	hypo	CHH	-0.0394
Gm05	3679431	3679753	Gmdrm	hypo	CHH	-0.1076
Gm05	3681668	3682644	Gmdrm	hypo	CHH	-0.0205
Gm05	3688063	3689053	Gmdrm	hypo	CHH	-0.0227
Gm05	3700232	3701216	Gmdrm	hypo	CHH	-0.0893
Gm05	3706578	3707569	Gmdrm	hypo	CHH	-0.0724
Gm05	3712731	3713644	Gmdrm	hypo	CHH	-0.0313
Gm05	3720324	3721322	Gmdrm	hypo	CHH	-0.0484
Gm05	3721329	3722325	Gmdrm	hypo	CHH	-0.0456
Gm05	3723382	3724381	Gmdrm	hypo	CHH	-0.0271
Gm05	3724390	3725388	Gmdrm	hypo	CHH	-0.053
Gm05	3728404	3729401	Gmdrm	hypo	CHH	-0.0456
Gm05	3733403	3734399	Gmdrm	hypo	CHH	-0.0138
Gm05	3741757	3742750	Gmdrm	hypo	CHH	-0.1553
Gm05	3742993	3743976	Gmdrm	hypo	CHH	-0.0259
Gm05	3744003	3744937	Gmdrm	hypo	CHH	-0.0373
Gm05	3749292	3749520	Gmdrm	hypo	CHH	-0.0612
Gm05	3755662	3756408	Gmdrm	hypo	CHH	-0.0136
Gm05	3756523	3757517	Gmdrm	hypo	CHH	-0.0245
Gm05	3768118	3768685	Gmdrm	hypo	CHH	-0.0392
Gm05	3783529	3784497	Gmdrm	hypo	CHH	-0.0102
Gm05	3785833	3786833	Gmdrm	hypo	CHH	-0.028
Gm05	3786847	3787845	Gmdrm	hypo	CHH	-0.0787
Gm05	3800857	3800990	Gmdrm	hypo	CHH	-0.0567
Gm05	3804565	3805565	Gmdrm	hypo	CHH	-0.0458
Gm05	3831399	3832106	Gmdrm	hypo	CHH	-0.0923
Gm05	3843826	3844812	Gmdrm	hypo	CHH	-0.0678
Gm05	3849158	3850150	Gmdrm	hypo	CHH	-0.1313
Gm05	3850641	3851634	Gmdrm	hypo	CHH	-0.258
Gm05	3852739	3852870	Gmdrm	hypo	CHH	-0.0291
Gm05	3872851	3873817	Gmdrm	hypo	CHH	-0.0385
Gm05	3878744	3879723	Gmdrm	hypo	CHH	-0.0546
Gm05	3879759	3880736	Gmdrm	hypo	CHH	-0.1048
Gm05	3880781	3881604	Gmdrm	hypo	CHH	-0.0537
Gm05	3882973	3883192	Gmdrm	hypo	CHH	-0.0235
Gm05	3911559	3912551	Gmdrm	hypo	CHH	-0.0103
Gm05	3912573	3913566	Gmdrm	hypo	CHH	-0.0234

Gm05	3924641	3925626 Gmdrm	hypo	CHH	-0.0359
Gm05	3925645	3926642 Gmdrm	hypo	CHH	-0.0252
Gm05	3939290	3940150 Gmdrm	hypo	CHH	-0.0873
Gm05	3942403	3943400 Gmdrm	hypo	CHH	-0.0206
Gm05	3943418	3943460 Gmdrm	hypo	CHH	-0.0757
Gm05	3943566	3944566 Gmdrm	hypo	CHH	-0.0859
Gm05	3944567	3945548 Gmdrm	hypo	CHH	-0.0424
Gm05	3959442	3960430 Gmdrm	hypo	CHH	-0.0935
Gm05	3964853	3965827 Gmdrm	hypo	CHH	-0.0116
Gm05	3969602	3970561 Gmdrm	hypo	CHH	-0.0351
Gm05	3973620	3974556 Gmdrm	hypo	CHH	-0.0126
Gm05	3981719	3982716 Gmdrm	hypo	CHH	-0.1904
Gm05	3982724	3983665 Gmdrm	hypo	CHH	-0.1107
Gm05	3999288	4000284 Gmdrm	hypo	CHH	-0.072
Gm05	4020839	4021838 Gmdrm	hypo	CHH	-0.0259
Gm05	4021844	4022813 Gmdrm	hypo	CHH	-0.0624
Gm05	4035435	4036435 Gmdrm	hypo	CHH	-0.1569
Gm05	4036440	4037411 Gmdrm	hypo	CHH	-0.0695
Gm05	4039457	4040451 Gmdrm	hypo	CHH	-0.0197
Gm05	4059485	4060475 Gmdrm	hypo	CHH	-0.0102
Gm05	4060488	4061477 Gmdrm	hypo	CHH	-0.0323
Gm05	4061495	4062487 Gmdrm	hypo	CHH	-0.02
Gm05	4065521	4066107 Gmdrm	hypo	CHH	-0.0517
Gm05	4068301	4069274 Gmdrm	hypo	CHH	-0.0172
Gm05	4076422	4077413 Gmdrm	hypo	CHH	-0.033
Gm05	4077435	4077974 Gmdrm	hypo	CHH	-0.1565
Gm05	4080139	4081123 Gmdrm	hypo	CHH	-0.0217
Gm05	4101540	4102509 Gmdrm	hypo	CHH	-0.1123
Gm05	4111304	4112290 Gmdrm	hypo	CHH	-0.0185
Gm05	4123040	4124031 Gmdrm	hypo	CHH	-0.0679
Gm05	4148070	4149048 Gmdrm	hypo	CHH	-0.1049
Gm05	4157804	4158131 Gmdrm	hypo	CHH	-0.0531
Gm05	4158283	4159283 Gmdrm	hypo	CHH	-0.0855
Gm05	4159300	4160293 Gmdrm	hypo	CHH	-0.0172
Gm05	4162155	4163150 Gmdrm	hypo	CHH	-0.0203
Gm05	4163175	4164170 Gmdrm	hypo	CHH	-0.0735
Gm05	4165910	4166907 Gmdrm	hypo	CHH	-0.1889
Gm05	4172793	4173782 Gmdrm	hypo	CHH	-0.0801
Gm05	4173804	4174564 Gmdrm	hypo	CHH	-0.1238
Gm05	4175689	4176645 Gmdrm	hypo	CHH	-0.0149
Gm05	4188832	4189830 Gmdrm	hypo	CHH	-0.0374
Gm05	4189838	4190820 Gmdrm	hypo	CHH	-0.0545
Gm05	4190843	4191838 Gmdrm	hypo	CHH	-0.0349
Gm05	4200425	4201405 Gmdrm	hypo	CHH	-0.1045
Gm05	4203452	4204395 Gmdrm	hypo	CHH	-0.0424
Gm05	4213924	4214916 Gmdrm	hypo	CHH	-0.0249

Gm05	4222490	4222727 Gmdrm	hypo	CHH	-0.031
Gm05	4229628	4230625 Gmdrm	hypo	CHH	-0.0478
Gm05	4240590	4241589 Gmdrm	hypo	CHH	-0.1563
Gm05	4241592	4242589 Gmdrm	hypo	CHH	-0.0547
Gm05	4244603	4245603 Gmdrm	hypo	CHH	-0.0469
Gm05	4245607	4246589 Gmdrm	hypo	CHH	-0.1167
Gm05	4246611	4246845 Gmdrm	hypo	CHH	-0.0391
Gm05	4263135	4263362 Gmdrm	hypo	CHH	-0.1412
Gm05	4265548	4265977 Gmdrm	hypo	CHH	-0.0901
Gm05	4273533	4274528 Gmdrm	hypo	CHH	-0.0158
Gm05	4284701	4284864 Gmdrm	hypo	CHH	-0.0615
Gm05	4287882	4288858 Gmdrm	hypo	CHH	-0.0186
Gm05	4289924	4290923 Gmdrm	hypo	CHH	-0.0546
Gm05	4296240	4297226 Gmdrm	hypo	CHH	-0.056
Gm05	4302789	4303788 Gmdrm	hypo	CHH	-0.0108
Gm05	4303796	4304786 Gmdrm	hypo	CHH	-0.1842
Gm05	4304799	4305069 Gmdrm	hypo	CHH	-0.1217
Gm05	4308499	4309495 Gmdrm	hypo	CHH	-0.012
Gm05	4310474	4311413 Gmdrm	hypo	CHH	-0.1175
Gm05	4316886	4317862 Gmdrm	hypo	CHH	-0.0184
Gm05	4318892	4319118 Gmdrm	hypo	CHH	-0.11
Gm05	4321122	4322116 Gmdrm	hypo	CHH	-0.0169
Gm05	4324294	4325288 Gmdrm	hypo	CHH	-0.1869
Gm05	4330210	4331194 Gmdrm	hypo	CHH	-0.068
Gm05	4334807	4335797 Gmdrm	hypo	CHH	-0.0268
Gm05	4355741	4356726 Gmdrm	hypo	CHH	-0.0407
Gm05	4359758	4360726 Gmdrm	hypo	CHH	-0.0705
Gm05	4365138	4366109 Gmdrm	hypo	CHH	-0.0118
Gm05	4377710	4378709 Gmdrm	hypo	CHH	-0.0169
Gm05	4385268	4385585 Gmdrm	hypo	CHH	-0.0222
Gm05	4387855	4388855 Gmdrm	hypo	CHH	-0.0276
Gm05	4395993	4396991 Gmdrm	hypo	CHH	-0.0339
Gm05	4421770	4422765 Gmdrm	hypo	CHH	-0.0416
Gm05	4426355	4427353 Gmdrm	hypo	CHH	-0.058
Gm05	4430382	4431380 Gmdrm	hypo	CHH	-0.0589
Gm05	4432524	4433523 Gmdrm	hypo	CHH	-0.0771
Gm05	4433526	4434524 Gmdrm	hypo	CHH	-0.0452
Gm05	4437913	4438910 Gmdrm	hypo	CHH	-0.1481
Gm05	4449128	4450127 Gmdrm	hypo	CHH	-0.033
Gm05	4450129	4451128 Gmdrm	hypo	CHH	-0.0483
Gm05	4451132	4452119 Gmdrm	hypo	CHH	-0.0562
Gm05	4452140	4453136 Gmdrm	hypo	CHH	-0.0498
Gm05	4457186	4457292 Gmdrm	hypo	CHH	-0.064
Gm05	4463954	4464951 Gmdrm	hypo	CHH	-0.0539
Gm05	4477112	4478105 Gmdrm	hypo	CHH	-0.0186
Gm05	4481194	4481993 Gmdrm	hypo	CHH	-0.0218

Gm05	4495951	4496944	Gmdrm	hypo	CHH	-0.0632
Gm05	4496956	4497592	Gmdrm	hypo	CHH	-0.1333
Gm05	4506392	4507392	Gmdrm	hypo	CHH	-0.0424
Gm05	4508395	4509386	Gmdrm	hypo	CHH	-0.0431
Gm05	4510404	4511393	Gmdrm	hypo	CHH	-0.0586
Gm05	4515026	4516011	Gmdrm	hypo	CHH	-0.0245
Gm05	4524611	4525541	Gmdrm	hypo	CHH	-0.0175
Gm05	4527669	4528647	Gmdrm	hypo	CHH	-0.1692
Gm05	4532073	4533071	Gmdrm	hypo	CHH	-0.0616
Gm05	4533592	4534415	Gmdrm	hypo	CHH	-0.1127
Gm05	4548666	4549626	Gmdrm	hypo	CHH	-0.0114
Gm05	4549693	4550688	Gmdrm	hypo	CHH	-0.0208
Gm05	4550699	4551674	Gmdrm	hypo	CHH	-0.0228
Gm05	4553716	4554524	Gmdrm	hypo	CHH	-0.0125
Gm05	4562489	4563486	Gmdrm	hypo	CHH	-0.1018
Gm05	4563492	4564481	Gmdrm	hypo	CHH	-0.0294
Gm05	4567519	4568514	Gmdrm	hypo	CHH	-0.0298
Gm05	4576638	4577622	Gmdrm	hypo	CHH	-0.0217
Gm05	4580229	4580956	Gmdrm	hypo	CHH	-0.0148
Gm05	4584380	4585368	Gmdrm	hypo	CHH	-0.0681
Gm05	4589130	4590125	Gmdrm	hypo	CHH	-0.0297
Gm05	4605792	4606778	Gmdrm	hypo	CHH	-0.3187
Gm05	4628131	4629110	Gmdrm	hypo	CHH	-0.0218
Gm05	4632417	4633375	Gmdrm	hypo	CHH	-0.1395
Gm05	4633423	4634413	Gmdrm	hypo	CHH	-0.0876
Gm05	4634443	4635437	Gmdrm	hypo	CHH	-0.0994
Gm05	4636452	4637452	Gmdrm	hypo	CHH	-0.1952
Gm05	4637453	4638452	Gmdrm	hypo	CHH	-0.0166
Gm05	4644730	4645298	Gmdrm	hypo	CHH	-0.0233
Gm05	4649455	4650417	Gmdrm	hypo	CHH	-0.2129
Gm05	4659085	4659626	Gmdrm	hypo	CHH	-0.0227
Gm05	4659731	4660731	Gmdrm	hypo	CHH	-0.0146
Gm05	4664243	4665236	Gmdrm	hypo	CHH	-0.0757
Gm05	4665247	4666204	Gmdrm	hypo	CHH	-0.0914
Gm05	4668005	4669005	Gmdrm	hypo	CHH	-0.0628
Gm05	4688049	4689049	Gmdrm	hypo	CHH	-0.0203
Gm05	4692181	4693151	Gmdrm	hypo	CHH	-0.0206
Gm05	4702065	4703049	Gmdrm	hypo	CHH	-0.0438
Gm05	4703546	4704541	Gmdrm	hypo	CHH	-0.019
Gm05	4704552	4705545	Gmdrm	hypo	CHH	-0.0463
Gm05	4705603	4706540	Gmdrm	hypo	CHH	-0.0253
Gm05	4706616	4707611	Gmdrm	hypo	CHH	-0.012
Gm05	4709677	4710467	Gmdrm	hypo	CHH	-0.0184
Gm05	4713451	4714385	Gmdrm	hypo	CHH	-0.1877
Gm05	4739783	4740763	Gmdrm	hypo	CHH	-0.0178
Gm05	4753395	4754352	Gmdrm	hypo	CHH	-0.0828

Gm05	4754413	4755278 Gmdrm	hypo	CHH	-0.0482
Gm05	4761252	4762245 Gmdrm	hypo	CHH	-0.116
Gm05	4762266	4763246 Gmdrm	hypo	CHH	-0.0265
Gm05	4766355	4767344 Gmdrm	hypo	CHH	-0.0191
Gm05	4771064	4771175 Gmdrm	hypo	CHH	-0.0336
Gm05	4775217	4776203 Gmdrm	hypo	CHH	-0.0577
Gm05	4777251	4778250 Gmdrm	hypo	CHH	-0.0398
Gm05	4778270	4779270 Gmdrm	hypo	CHH	-0.0664
Gm05	4795043	4795374 Gmdrm	hypo	CHH	-0.0535
Gm05	4795478	4796468 Gmdrm	hypo	CHH	-0.0209
Gm05	4796495	4797487 Gmdrm	hypo	CHH	-0.0936
Gm05	4797497	4797733 Gmdrm	hypo	CHH	-0.1908
Gm05	4811514	4812513 Gmdrm	hypo	CHH	-0.0421
Gm05	4821545	4822528 Gmdrm	hypo	CHH	-0.0674
Gm05	4823548	4824548 Gmdrm	hypo	CHH	-0.0444
Gm05	4824554	4825550 Gmdrm	hypo	CHH	-0.05
Gm05	4825842	4826661 Gmdrm	hypo	CHH	-0.0365
Gm05	4827689	4828677 Gmdrm	hypo	CHH	-0.0552
Gm05	4841789	4842788 Gmdrm	hypo	CHH	-0.1159
Gm05	4842801	4843797 Gmdrm	hypo	CHH	-0.0991
Gm05	4843805	4844804 Gmdrm	hypo	CHH	-0.0348
Gm05	4849807	4850804 Gmdrm	hypo	CHH	-0.1076
Gm05	4853894	4854887 Gmdrm	hypo	CHH	-0.3894
Gm05	4855273	4856272 Gmdrm	hypo	CHH	-0.051
Gm05	4866787	4867682 Gmdrm	hypo	CHH	-0.0429
Gm05	4870147	4871139 Gmdrm	hypo	CHH	-0.1632
Gm05	4871149	4871940 Gmdrm	hypo	CHH	-0.027
Gm05	4889565	4890112 Gmdrm	hypo	CHH	-0.0288
Gm05	4903783	4903825 Gmdrm	hypo	CHH	-0.046
Gm05	4910195	4911193 Gmdrm	hypo	CHH	-0.0185
Gm05	4918049	4919049 Gmdrm	hypo	CHH	-0.0482
Gm05	4920063	4920375 Gmdrm	hypo	CHH	-0.0547
Gm05	4921516	4922512 Gmdrm	hypo	CHH	-0.0197
Gm05	4922521	4923519 Gmdrm	hypo	CHH	-0.0874
Gm05	4923522	4924512 Gmdrm	hypo	CHH	-0.0159
Gm05	4930782	4931781 Gmdrm	hypo	CHH	-0.1607
Gm05	4934910	4935072 Gmdrm	hypo	CHH	-0.0525
Gm05	4936788	4937354 Gmdrm	hypo	CHH	-0.0251
Gm05	4940033	4941023 Gmdrm	hypo	CHH	-0.0344
Gm05	4946710	4947699 Gmdrm	hypo	CHH	-0.031
Gm05	4947715	4948694 Gmdrm	hypo	CHH	-0.013
Gm05	4963699	4964681 Gmdrm	hypo	CHH	-0.0191
Gm05	4976081	4977051 Gmdrm	hypo	CHH	-0.0476
Gm05	4981941	4982926 Gmdrm	hypo	CHH	-0.1329
Gm05	4997749	4998742 Gmdrm	hypo	CHH	-0.0204
Gm05	4999822	5000811 Gmdrm	hypo	CHH	-0.0706

Gm05	5006121	5007120 Gmdrm	hypo	CHH	-0.1683
Gm05	5007122	5008120 Gmdrm	hypo	CHH	-0.0303
Gm05	5011440	5011663 Gmdrm	hypo	CHH	-0.0363
Gm05	5014458	5015458 Gmdrm	hypo	CHH	-0.0286
Gm05	5015464	5016447 Gmdrm	hypo	CHH	-0.1622
Gm05	5018475	5019355 Gmdrm	hypo	CHH	-0.0132
Gm05	5020828	5021823 Gmdrm	hypo	CHH	-0.0969
Gm05	5021836	5022382 Gmdrm	hypo	CHH	-0.048
Gm05	5022849	5023849 Gmdrm	hypo	CHH	-0.1552
Gm05	5023850	5024849 Gmdrm	hypo	CHH	-0.0248
Gm05	5027565	5028549 Gmdrm	hypo	CHH	-0.0189
Gm05	5033558	5034534 Gmdrm	hypo	CHH	-0.0286
Gm05	5052845	5053845 Gmdrm	hypo	CHH	-0.0498
Gm05	5061608	5062594 Gmdrm	hypo	CHH	-0.0455
Gm05	5063622	5064607 Gmdrm	hypo	CHH	-0.045
Gm05	5066409	5067409 Gmdrm	hypo	CHH	-0.0301
Gm05	5067413	5067990 Gmdrm	hypo	CHH	-0.0225
Gm05	5073659	5074648 Gmdrm	hypo	CHH	-0.0384
Gm05	5083011	5083991 Gmdrm	hypo	CHH	-0.033
Gm05	5085027	5086017 Gmdrm	hypo	CHH	-0.0115
Gm05	5086041	5087036 Gmdrm	hypo	CHH	-0.0136
Gm05	5087042	5088039 Gmdrm	hypo	CHH	-0.0209
Gm05	5105873	5106867 Gmdrm	hypo	CHH	-0.0662
Gm05	5106874	5107866 Gmdrm	hypo	CHH	-0.0573
Gm05	5112775	5113747 Gmdrm	hypo	CHH	-0.2716
Gm05	5122478	5123477 Gmdrm	hypo	CHH	-0.1055
Gm05	5123529	5124033 Gmdrm	hypo	CHH	-0.4622
Gm05	5124389	5125371 Gmdrm	hypo	CHH	-0.0249
Gm05	5133943	5134924 Gmdrm	hypo	CHH	-0.0127
Gm05	5135983	5136982 Gmdrm	hypo	CHH	-0.0329
Gm05	5136992	5137992 Gmdrm	hypo	CHH	-0.094
Gm05	5137994	5138991 Gmdrm	hypo	CHH	-0.1285
Gm05	5146129	5147129 Gmdrm	hypo	CHH	-0.2248
Gm05	5147130	5148129 Gmdrm	hypo	CHH	-0.0822
Gm05	5148138	5149120 Gmdrm	hypo	CHH	-0.0843
Gm05	5153485	5154483 Gmdrm	hypo	CHH	-0.035
Gm05	5154493	5155492 Gmdrm	hypo	CHH	-0.0148
Gm05	5170058	5171018 Gmdrm	hypo	CHH	-0.0574
Gm05	5171081	5171368 Gmdrm	hypo	CHH	-0.0257
Gm05	5178884	5179884 Gmdrm	hypo	CHH	-0.0256
Gm05	5179906	5180895 Gmdrm	hypo	CHH	-0.12
Gm05	5181928	5181987 Gmdrm	hypo	CHH	-0.03
Gm05	5183124	5183525 Gmdrm	hypo	CHH	-0.0152
Gm05	5184479	5185458 Gmdrm	hypo	CHH	-0.0217
Gm05	5187478	5188478 Gmdrm	hypo	CHH	-0.0177
Gm05	5219499	5220493 Gmdrm	hypo	CHH	-0.0481

Gm05	5227073	5227089	Gmdrm	hypo	CHH	-0.042
Gm05	5237871	5238871	Gmdrm	hypo	CHH	-0.0819
Gm05	5241525	5242525	Gmdrm	hypo	CHH	-0.0559
Gm05	5249773	5250746	Gmdrm	hypo	CHH	-0.0153
Gm05	5252800	5253799	Gmdrm	hypo	CHH	-0.0626
Gm05	5253801	5254801	Gmdrm	hypo	CHH	-0.1212
Gm05	5254822	5255795	Gmdrm	hypo	CHH	-0.0286
Gm05	5255835	5255914	Gmdrm	hypo	CHH	-0.0212
Gm05	5257993	5258990	Gmdrm	hypo	CHH	-0.0278
Gm05	5262250	5263035	Gmdrm	hypo	CHH	-0.0171
Gm05	5266216	5267190	Gmdrm	hypo	CHH	-0.0951
Gm05	5268252	5269248	Gmdrm	hypo	CHH	-0.0671
Gm05	5269256	5270236	Gmdrm	hypo	CHH	-0.0678
Gm05	5272421	5273410	Gmdrm	hypo	CHH	-0.3256
Gm05	5279386	5280380	Gmdrm	hypo	CHH	-0.0311
Gm05	5280405	5281404	Gmdrm	hypo	CHH	-0.0247
Gm05	5281407	5282372	Gmdrm	hypo	CHH	-0.0162
Gm05	5289275	5290244	Gmdrm	hypo	CHH	-0.1986
Gm05	5292317	5293281	Gmdrm	hypo	CHH	-0.0148
Gm05	5293332	5294317	Gmdrm	hypo	CHH	-0.0134
Gm05	5294885	5295881	Gmdrm	hypo	CHH	-0.1314
Gm05	5295888	5296867	Gmdrm	hypo	CHH	-0.1096
Gm05	5298902	5299882	Gmdrm	hypo	CHH	-0.046
Gm05	5299907	5300196	Gmdrm	hypo	CHH	-0.0186
Gm05	5301552	5302517	Gmdrm	hypo	CHH	-0.2951
Gm05	5302561	5302667	Gmdrm	hypo	CHH	-0.0733
Gm05	5309956	5310956	Gmdrm	hypo	CHH	-0.0568
Gm05	5320583	5321582	Gmdrm	hypo	CHH	-0.1175
Gm05	5321585	5322040	Gmdrm	hypo	CHH	-0.0455
Gm05	5323145	5323518	Gmdrm	hypo	CHH	-0.0269
Gm05	5327808	5328798	Gmdrm	hypo	CHH	-0.2284
Gm05	5328818	5329340	Gmdrm	hypo	CHH	-0.2272
Gm05	5331971	5332145	Gmdrm	hypo	CHH	-0.0305
Gm05	5334155	5335152	Gmdrm	hypo	CHH	-0.0464
Gm05	5336160	5336299	Gmdrm	hypo	CHH	-0.0311
Gm05	5341400	5341670	Gmdrm	hypo	CHH	-0.0311
Gm05	5341774	5342767	Gmdrm	hypo	CHH	-0.0149
Gm05	5352408	5353407	Gmdrm	hypo	CHH	-0.0361
Gm05	5353414	5354381	Gmdrm	hypo	CHH	-0.023
Gm05	5355426	5356416	Gmdrm	hypo	CHH	-0.0201
Gm05	5410930	5411930	Gmdrm	hypo	CHH	-0.0425
Gm05	5411941	5412939	Gmdrm	hypo	CHH	-0.0515
Gm05	5412945	5413935	Gmdrm	hypo	CHH	-0.0549
Gm05	5413990	5414130	Gmdrm	hypo	CHH	-0.079
Gm05	5415514	5416514	Gmdrm	hypo	CHH	-0.1222
Gm05	5436168	5436461	Gmdrm	hypo	CHH	-0.0278

Gm05	5438530	5439524	Gmdrm	hypo	CHH	-0.1713
Gm05	5452280	5452639	Gmdrm	hypo	CHH	-0.0185
Gm05	5459818	5460818	Gmdrm	hypo	CHH	-0.075
Gm05	5460824	5461798	Gmdrm	hypo	CHH	-0.0854
Gm05	5466764	5467758	Gmdrm	hypo	CHH	-0.1392
Gm05	5467794	5468782	Gmdrm	hypo	CHH	-0.0533
Gm05	5469805	5470752	Gmdrm	hypo	CHH	-0.0223
Gm05	5483836	5484825	Gmdrm	hypo	CHH	-0.074
Gm05	5485858	5486855	Gmdrm	hypo	CHH	-0.0421
Gm05	5502993	5503941	Gmdrm	hypo	CHH	-0.0132
Gm05	5505000	5505999	Gmdrm	hypo	CHH	-0.0375
Gm05	5510021	5511020	Gmdrm	hypo	CHH	-0.0971
Gm05	5511024	5511947	Gmdrm	hypo	CHH	-0.2371
Gm05	5521912	5522790	Gmdrm	hypo	CHH	-0.098
Gm05	5522892	5523883	Gmdrm	hypo	CHH	-0.0415
Gm05	5523909	5524575	Gmdrm	hypo	CHH	-0.1205
Gm05	5524885	5525880	Gmdrm	hypo	CHH	-0.2264
Gm05	5535442	5536442	Gmdrm	hypo	CHH	-0.0629
Gm05	5543560	5544538	Gmdrm	hypo	CHH	-0.0208
Gm05	5547767	5548764	Gmdrm	hypo	CHH	-0.0368
Gm05	5548784	5549499	Gmdrm	hypo	CHH	-0.0808
Gm05	5550847	5551843	Gmdrm	hypo	CHH	-0.0593
Gm05	5551852	5552842	Gmdrm	hypo	CHH	-0.043
Gm05	5552884	5553883	Gmdrm	hypo	CHH	-0.0369
Gm05	5553889	5554872	Gmdrm	hypo	CHH	-0.1166
Gm05	5555998	5556991	Gmdrm	hypo	CHH	-0.0195
Gm05	5558054	5559036	Gmdrm	hypo	CHH	-0.0143
Gm05	5563087	5563752	Gmdrm	hypo	CHH	-0.1048
Gm05	5564730	5565729	Gmdrm	hypo	CHH	-0.0205
Gm05	5565732	5566726	Gmdrm	hypo	CHH	-0.0508
Gm05	5580434	5580954	Gmdrm	hypo	CHH	-0.0371
Gm05	5585647	5586632	Gmdrm	hypo	CHH	-0.3028
Gm05	5586685	5586811	Gmdrm	hypo	CHH	-0.044
Gm05	5588364	5589358	Gmdrm	hypo	CHH	-0.1799
Gm05	5592385	5593381	Gmdrm	hypo	CHH	-0.1571
Gm05	5619783	5620732	Gmdrm	hypo	CHH	-0.1365
Gm05	5627585	5628232	Gmdrm	hypo	CHH	-0.0202
Gm05	5647029	5648012	Gmdrm	hypo	CHH	-0.0128
Gm05	5653118	5654091	Gmdrm	hypo	CHH	-0.0108
Gm05	5654122	5654451	Gmdrm	hypo	CHH	-0.2246
Gm05	5662871	5663859	Gmdrm	hypo	CHH	-0.0171
Gm05	5665922	5666864	Gmdrm	hypo	CHH	-0.1022
Gm05	5674215	5675215	Gmdrm	hypo	CHH	-0.1141
Gm05	5675222	5676168	Gmdrm	hypo	CHH	-0.0458
Gm05	5683933	5684810	Gmdrm	hypo	CHH	-0.1465
Gm05	5684985	5685984	Gmdrm	hypo	CHH	-0.0722

Gm05	5685987	5686984 Gmdrm	hypo	CHH	-0.1656
Gm05	5686996	5687971 Gmdrm	hypo	CHH	-0.1412
Gm05	5690035	5691014 Gmdrm	hypo	CHH	-0.2186
Gm05	5691162	5692119 Gmdrm	hypo	CHH	-0.0184
Gm05	5711558	5712520 Gmdrm	hypo	CHH	-0.0126
Gm05	5717089	5718085 Gmdrm	hypo	CHH	-0.0232
Gm05	5726895	5727894 Gmdrm	hypo	CHH	-0.0297
Gm05	5734978	5735740 Gmdrm	hypo	CHH	-0.0774
Gm05	5736375	5737353 Gmdrm	hypo	CHH	-0.077
Gm05	5744609	5745608 Gmdrm	hypo	CHH	-0.0255
Gm05	5745620	5746218 Gmdrm	hypo	CHH	-0.0528
Gm05	5754545	5755040 Gmdrm	hypo	CHH	-0.0181
Gm05	5755147	5756104 Gmdrm	hypo	CHH	-0.1017
Gm05	5758403	5758957 Gmdrm	hypo	CHH	-0.0162
Gm05	5767000	5767433 Gmdrm	hypo	CHH	-0.0225
Gm05	5768574	5769574 Gmdrm	hypo	CHH	-0.0168
Gm05	5775659	5776412 Gmdrm	hypo	CHH	-0.0213
Gm05	5784481	5785477 Gmdrm	hypo	CHH	-0.0767
Gm05	5797960	5798957 Gmdrm	hypo	CHH	-0.0729
Gm05	5798962	5799944 Gmdrm	hypo	CHH	-0.0153
Gm05	5801133	5801791 Gmdrm	hypo	CHH	-0.0781
Gm05	5803318	5804315 Gmdrm	hypo	CHH	-0.0634
Gm05	5807336	5808329 Gmdrm	hypo	CHH	-0.0647
Gm05	5826863	5827844 Gmdrm	hypo	CHH	-0.0617
Gm05	5827872	5828870 Gmdrm	hypo	CHH	-0.0583
Gm05	5828877	5829872 Gmdrm	hypo	CHH	-0.0775
Gm05	5852425	5853413 Gmdrm	hypo	CHH	-0.0158
Gm05	5853431	5854415 Gmdrm	hypo	CHH	-0.049
Gm05	5854451	5855451 Gmdrm	hypo	CHH	-0.1253
Gm05	5855463	5856462 Gmdrm	hypo	CHH	-0.0609
Gm05	5860506	5861484 Gmdrm	hypo	CHH	-0.0173
Gm05	5864596	5865255 Gmdrm	hypo	CHH	-0.0493
Gm05	5865909	5866206 Gmdrm	hypo	CHH	-0.1141
Gm05	5872942	5873270 Gmdrm	hypo	CHH	-0.1669
Gm05	5873572	5874547 Gmdrm	hypo	CHH	-0.0283
Gm05	5890385	5891383 Gmdrm	hypo	CHH	-0.0792
Gm05	5891386	5892381 Gmdrm	hypo	CHH	-0.1156
Gm05	5894453	5895450 Gmdrm	hypo	CHH	-0.0449
Gm05	5902498	5903468 Gmdrm	hypo	CHH	-0.0475
Gm05	5903504	5904469 Gmdrm	hypo	CHH	-0.101
Gm05	5912570	5913535 Gmdrm	hypo	CHH	-0.0268
Gm05	5924973	5925959 Gmdrm	hypo	CHH	-0.0707
Gm05	5934290	5935273 Gmdrm	hypo	CHH	-0.0213
Gm05	5935311	5936099 Gmdrm	hypo	CHH	-0.0575
Gm05	5942343	5943326 Gmdrm	hypo	CHH	-0.0293
Gm05	5943351	5944337 Gmdrm	hypo	CHH	-0.0528

Gm05	5945383	5946382	Gmdrm	hypo	CHH	-0.0668
Gm05	5946385	5947363	Gmdrm	hypo	CHH	-0.054
Gm05	5950720	5951711	Gmdrm	hypo	CHH	-0.1423
Gm05	5951729	5952706	Gmdrm	hypo	CHH	-0.1059
Gm05	5957104	5958013	Gmdrm	hypo	CHH	-0.0335
Gm05	5958219	5959208	Gmdrm	hypo	CHH	-0.0485
Gm05	5959230	5960185	Gmdrm	hypo	CHH	-0.0446
Gm05	5963267	5964257	Gmdrm	hypo	CHH	-0.0121
Gm05	5964633	5964776	Gmdrm	hypo	CHH	-0.0433
Gm05	5968647	5969269	Gmdrm	hypo	CHH	-0.1107
Gm05	5969970	5970967	Gmdrm	hypo	CHH	-0.0313
Gm05	5970971	5971944	Gmdrm	hypo	CHH	-0.0473
Gm05	5971983	5972976	Gmdrm	hypo	CHH	-0.0251
Gm05	5972984	5973975	Gmdrm	hypo	CHH	-0.0617
Gm05	5981486	5982457	Gmdrm	hypo	CHH	-0.0158
Gm05	5983724	5984664	Gmdrm	hypo	CHH	-0.0304
Gm05	5987289	5988288	Gmdrm	hypo	CHH	-0.1642
Gm05	5988314	5989310	Gmdrm	hypo	CHH	-0.0355
Gm05	5996070	5997060	Gmdrm	hypo	CHH	-0.0709
Gm05	6001892	6002886	Gmdrm	hypo	CHH	-0.0344
Gm05	6013709	6014701	Gmdrm	hypo	CHH	-0.0417
Gm05	6014710	6015707	Gmdrm	hypo	CHH	-0.0811
Gm05	6026625	6027593	Gmdrm	hypo	CHH	-0.026
Gm05	6036013	6037013	Gmdrm	hypo	CHH	-0.0163
Gm05	6045247	6045962	Gmdrm	hypo	CHH	-0.0181
Gm05	6048521	6049514	Gmdrm	hypo	CHH	-0.0171
Gm05	6057565	6058559	Gmdrm	hypo	CHH	-0.0338
Gm05	6070677	6071391	Gmdrm	hypo	CHH	-0.0171
Gm05	6076328	6077306	Gmdrm	hypo	CHH	-0.0217
Gm05	6077347	6078343	Gmdrm	hypo	CHH	-0.1144
Gm05	6078362	6079285	Gmdrm	hypo	CHH	-0.0485
Gm05	6088457	6089455	Gmdrm	hypo	CHH	-0.0415
Gm05	6089468	6090412	Gmdrm	hypo	CHH	-0.0435
Gm05	6093560	6094560	Gmdrm	hypo	CHH	-0.0756
Gm05	6098580	6099576	Gmdrm	hypo	CHH	-0.0506
Gm05	6120939	6121075	Gmdrm	hypo	CHH	-0.0529
Gm05	6126323	6127305	Gmdrm	hypo	CHH	-0.0286
Gm05	6127816	6128806	Gmdrm	hypo	CHH	-0.0298
Gm05	6128825	6129812	Gmdrm	hypo	CHH	-0.0478
Gm05	6132939	6133935	Gmdrm	hypo	CHH	-0.0638
Gm05	6133940	6134938	Gmdrm	hypo	CHH	-0.0476
Gm05	6137498	6138497	Gmdrm	hypo	CHH	-0.0396
Gm05	6157085	6158068	Gmdrm	hypo	CHH	-0.0724
Gm05	6158093	6159040	Gmdrm	hypo	CHH	-0.1121
Gm05	6159099	6159695	Gmdrm	hypo	CHH	-0.1075
Gm05	6160020	6161012	Gmdrm	hypo	CHH	-0.0932

Gm05	6165911	6166905	Gmdrm	hypo	CHH	-0.0386
Gm05	6169175	6170158	Gmdrm	hypo	CHH	-0.0514
Gm05	6173955	6174574	Gmdrm	hypo	CHH	-0.3109
Gm05	6182709	6183705	Gmdrm	hypo	CHH	-0.0914
Gm05	6183716	6184705	Gmdrm	hypo	CHH	-0.1869
Gm05	6186774	6187762	Gmdrm	hypo	CHH	-0.0214
Gm05	6189898	6190010	Gmdrm	hypo	CHH	-0.06
Gm05	6211779	6212054	Gmdrm	hypo	CHH	-0.0355
Gm05	6241936	6242257	Gmdrm	hypo	CHH	-0.045
Gm05	6246212	6247211	Gmdrm	hypo	CHH	-0.1544
Gm05	6290871	6291732	Gmdrm	hypo	CHH	-0.0175
Gm05	6296437	6297409	Gmdrm	hypo	CHH	-0.0237
Gm05	6298814	6298979	Gmdrm	hypo	CHH	-0.0713
Gm05	6314949	6315938	Gmdrm	hypo	CHH	-0.0348
Gm05	6325276	6326214	Gmdrm	hypo	CHH	-0.0244
Gm05	6329118	6329722	Gmdrm	hypo	CHH	-0.0829
Gm05	6329902	6330898	Gmdrm	hypo	CHH	-0.0446
Gm05	6355552	6356543	Gmdrm	hypo	CHH	-0.0659
Gm05	6360578	6361575	Gmdrm	hypo	CHH	-0.0358
Gm05	6361579	6362250	Gmdrm	hypo	CHH	-0.0917
Gm05	6362363	6363356	Gmdrm	hypo	CHH	-0.0441
Gm05	6363369	6363983	Gmdrm	hypo	CHH	-0.0262
Gm05	6368994	6369991	Gmdrm	hypo	CHH	-0.0426
Gm05	6370998	6371920	Gmdrm	hypo	CHH	-0.0158
Gm05	6373866	6374861	Gmdrm	hypo	CHH	-0.0116
Gm05	6376929	6377926	Gmdrm	hypo	CHH	-0.0093
Gm05	6384264	6384920	Gmdrm	hypo	CHH	-0.0179
Gm05	6391039	6392030	Gmdrm	hypo	CHH	-0.0509
Gm05	6392041	6392791	Gmdrm	hypo	CHH	-0.0687
Gm05	6410116	6411088	Gmdrm	hypo	CHH	-0.0138
Gm05	6411130	6412128	Gmdrm	hypo	CHH	-0.1498
Gm05	6412138	6413114	Gmdrm	hypo	CHH	-0.2484
Gm05	6415917	6416916	Gmdrm	hypo	CHH	-0.0453
Gm05	6416918	6417909	Gmdrm	hypo	CHH	-0.0368
Gm05	6417923	6418917	Gmdrm	hypo	CHH	-0.0169
Gm05	6441133	6442133	Gmdrm	hypo	CHH	-0.1061
Gm05	6454178	6455161	Gmdrm	hypo	CHH	-0.0371
Gm05	6460131	6460811	Gmdrm	hypo	CHH	-0.0283
Gm05	6470663	6471653	Gmdrm	hypo	CHH	-0.1454
Gm05	6471666	6472652	Gmdrm	hypo	CHH	-0.0391
Gm05	6472672	6473637	Gmdrm	hypo	CHH	-0.0269
Gm05	6477870	6478835	Gmdrm	hypo	CHH	-0.0772
Gm05	6478889	6479882	Gmdrm	hypo	CHH	-0.0639
Gm05	6483091	6484076	Gmdrm	hypo	CHH	-0.04
Gm05	6484096	6485093	Gmdrm	hypo	CHH	-0.0284
Gm05	6485099	6486088	Gmdrm	hypo	CHH	-0.0414

Gm05	6486103	6487075 Gmdrm	hypo	CHH	-0.0204
Gm05	6505618	6506600 Gmdrm	hypo	CHH	-0.0128
Gm05	6516861	6517506 Gmdrm	hypo	CHH	-0.036
Gm05	6517620	6518610 Gmdrm	hypo	CHH	-0.0195
Gm05	6518650	6519642 Gmdrm	hypo	CHH	-0.0237
Gm05	6521701	6522698 Gmdrm	hypo	CHH	-0.0234
Gm05	6530725	6531723 Gmdrm	hypo	CHH	-0.0444
Gm05	6554993	6555985 Gmdrm	hypo	CHH	-0.0218
Gm05	6563077	6564034 Gmdrm	hypo	CHH	-0.0104
Gm05	6565095	6566086 Gmdrm	hypo	CHH	-0.011
Gm05	6568743	6569740 Gmdrm	hypo	CHH	-0.0399
Gm05	6581527	6582515 Gmdrm	hypo	CHH	-0.0245
Gm05	6583808	6584808 Gmdrm	hypo	CHH	-0.0222
Gm05	6591262	6592262 Gmdrm	hypo	CHH	-0.0274
Gm05	6607892	6608837 Gmdrm	hypo	CHH	-0.0336
Gm05	6611047	6612038 Gmdrm	hypo	CHH	-0.0942
Gm05	6622871	6623868 Gmdrm	hypo	CHH	-0.0319
Gm05	6629954	6630954 Gmdrm	hypo	CHH	-0.0172
Gm05	6637007	6637994 Gmdrm	hypo	CHH	-0.0432
Gm05	6658475	6658809 Gmdrm	hypo	CHH	-0.1516
Gm05	6662928	6663880 Gmdrm	hypo	CHH	-0.013
Gm05	6666682	6667680 Gmdrm	hypo	CHH	-0.0113
Gm05	6669754	6670671 Gmdrm	hypo	CHH	-0.0309
Gm05	6670768	6671768 Gmdrm	hypo	CHH	-0.0492
Gm05	6672777	6673684 Gmdrm	hypo	CHH	-0.021
Gm05	6714630	6715569 Gmdrm	hypo	CHH	-0.0154
Gm05	6716666	6717664 Gmdrm	hypo	CHH	-0.017
Gm05	6746471	6747452 Gmdrm	hypo	CHH	-0.0144
Gm05	6760442	6761435 Gmdrm	hypo	CHH	-0.0518
Gm05	6780051	6781028 Gmdrm	hypo	CHH	-0.0117
Gm05	6781056	6782055 Gmdrm	hypo	CHH	-0.016
Gm05	6782063	6783061 Gmdrm	hypo	CHH	-0.0162
Gm05	6786112	6787060 Gmdrm	hypo	CHH	-0.0542
Gm05	6788255	6789244 Gmdrm	hypo	CHH	-0.0271
Gm05	6810179	6811163 Gmdrm	hypo	CHH	-0.0134
Gm05	6811199	6812195 Gmdrm	hypo	CHH	-0.0301
Gm05	6813000	6813998 Gmdrm	hypo	CHH	-0.0189
Gm05	6822517	6823510 Gmdrm	hypo	CHH	-0.0179
Gm05	6823518	6824505 Gmdrm	hypo	CHH	-0.018
Gm05	6824519	6825519 Gmdrm	hypo	CHH	-0.0261
Gm05	6832072	6833064 Gmdrm	hypo	CHH	-0.0675
Gm05	6833078	6833699 Gmdrm	hypo	CHH	-0.0271
Gm05	6834086	6835077 Gmdrm	hypo	CHH	-0.0369
Gm05	6835102	6835373 Gmdrm	hypo	CHH	-0.0625
Gm05	6841823	6842806 Gmdrm	hypo	CHH	-0.0296
Gm05	6851222	6852221 Gmdrm	hypo	CHH	-0.0479

Gm05	6854685	6855662 Gmdrm	hypo	CHH	-0.0223
Gm05	6899182	6900182 Gmdrm	hypo	CHH	-0.0393
Gm05	6905597	6906581 Gmdrm	hypo	CHH	-0.1702
Gm05	6906612	6907610 Gmdrm	hypo	CHH	-0.123
Gm05	6908175	6908694 Gmdrm	hypo	CHH	-0.0245
Gm05	6919066	6919281 Gmdrm	hypo	CHH	-0.1913
Gm05	6919461	6919743 Gmdrm	hypo	CHH	-0.1506
Gm05	6942070	6943070 Gmdrm	hypo	CHH	-0.0181
Gm05	6951901	6952890 Gmdrm	hypo	CHH	-0.0574
Gm05	6958683	6959252 Gmdrm	hypo	CHH	-0.1249
Gm05	6970587	6971565 Gmdrm	hypo	CHH	-0.0311
Gm05	6977838	6978837 Gmdrm	hypo	CHH	-0.0269
Gm05	6978861	6979860 Gmdrm	hypo	CHH	-0.0866
Gm05	6980917	6981913 Gmdrm	hypo	CHH	-0.0921
Gm05	6992412	6993407 Gmdrm	hypo	CHH	-0.1
Gm05	7000858	7000918 Gmdrm	hypo	CHH	-0.14
Gm05	7009880	7010879 Gmdrm	hypo	CHH	-0.1301
Gm05	7010898	7011885 Gmdrm	hypo	CHH	-0.0147
Gm05	7012942	7013099 Gmdrm	hypo	CHH	-0.065
Gm05	7013245	7014245 Gmdrm	hypo	CHH	-0.1628
Gm05	7014248	7015247 Gmdrm	hypo	CHH	-0.0824
Gm05	7016381	7017380 Gmdrm	hypo	CHH	-0.0997
Gm05	7021408	7022405 Gmdrm	hypo	CHH	-0.035
Gm05	7026391	7026712 Gmdrm	hypo	CHH	-0.0697
Gm05	7032147	7033012 Gmdrm	hypo	CHH	-0.0157
Gm05	7044213	7045204 Gmdrm	hypo	CHH	-0.0232
Gm05	7054539	7054596 Gmdrm	hypo	CHH	-0.4024
Gm05	7055851	7056848 Gmdrm	hypo	CHH	-0.0156
Gm05	7057833	7058829 Gmdrm	hypo	CHH	-0.0493
Gm05	7075528	7076137 Gmdrm	hypo	CHH	-0.0393
Gm05	7087116	7088095 Gmdrm	hypo	CHH	-0.0619
Gm05	7089213	7090197 Gmdrm	hypo	CHH	-0.2325
Gm05	7090364	7091363 Gmdrm	hypo	CHH	-0.0271
Gm05	7096346	7097342 Gmdrm	hypo	CHH	-0.3299
Gm05	7098372	7099347 Gmdrm	hypo	CHH	-0.0154
Gm05	7103979	7104978 Gmdrm	hypo	CHH	-0.0105
Gm05	7105597	7106545 Gmdrm	hypo	CHH	-0.0191
Gm05	7107010	7108005 Gmdrm	hypo	CHH	-0.0252
Gm05	7108080	7109079 Gmdrm	hypo	CHH	-0.0107
Gm05	7110088	7110684 Gmdrm	hypo	CHH	-0.138
Gm05	7115345	7116343 Gmdrm	hypo	CHH	-0.0479
Gm05	7116348	7116528 Gmdrm	hypo	CHH	-0.3564
Gm05	7116634	7116907 Gmdrm	hypo	CHH	-0.1466
Gm05	7136372	7137352 Gmdrm	hypo	CHH	-0.0288
Gm05	7143658	7144657 Gmdrm	hypo	CHH	-0.0505
Gm05	7144682	7145630 Gmdrm	hypo	CHH	-0.0305

Gm05	7145943	7146939	Gmdrm	hypo	CHH	-0.0393
Gm05	7151827	7152817	Gmdrm	hypo	CHH	-0.012
Gm05	7153689	7153841	Gmdrm	hypo	CHH	-0.0288
Gm05	7160333	7161326	Gmdrm	hypo	CHH	-0.3145
Gm05	7162035	7163024	Gmdrm	hypo	CHH	-0.0419
Gm05	7181707	7182707	Gmdrm	hypo	CHH	-0.2184
Gm05	7189513	7190455	Gmdrm	hypo	CHH	-0.0124
Gm05	7198064	7199060	Gmdrm	hypo	CHH	-0.036
Gm05	7206521	7207504	Gmdrm	hypo	CHH	-0.0458
Gm05	7237332	7238306	Gmdrm	hypo	CHH	-0.0134
Gm05	7240240	7241237	Gmdrm	hypo	CHH	-0.0476
Gm05	7241243	7242238	Gmdrm	hypo	CHH	-0.0276
Gm05	7247912	7248907	Gmdrm	hypo	CHH	-0.0125
Gm05	7250475	7251474	Gmdrm	hypo	CHH	-0.0656
Gm05	7267789	7268788	Gmdrm	hypo	CHH	-0.1791
Gm05	7268794	7269782	Gmdrm	hypo	CHH	-0.1192
Gm05	7269828	7270825	Gmdrm	hypo	CHH	-0.0525
Gm05	7272841	7273838	Gmdrm	hypo	CHH	-0.0483
Gm05	7275871	7276846	Gmdrm	hypo	CHH	-0.0189
Gm05	7316935	7317917	Gmdrm	hypo	CHH	-0.0596
Gm05	7319658	7320133	Gmdrm	hypo	CHH	-0.0435
Gm05	7320532	7320951	Gmdrm	hypo	CHH	-0.0426
Gm05	7321067	7321996	Gmdrm	hypo	CHH	-0.086
Gm05	7322206	7323143	Gmdrm	hypo	CHH	-0.0527
Gm05	7352187	7353126	Gmdrm	hypo	CHH	-0.1118
Gm05	7354236	7355232	Gmdrm	hypo	CHH	-0.1102
Gm05	7355245	7356240	Gmdrm	hypo	CHH	-0.0753
Gm05	7360929	7361893	Gmdrm	hypo	CHH	-0.0664
Gm05	7363332	7363472	Gmdrm	hypo	CHH	-0.04
Gm05	7367389	7368365	Gmdrm	hypo	CHH	-0.0176
Gm05	7368400	7369156	Gmdrm	hypo	CHH	-0.0826
Gm05	7410393	7411393	Gmdrm	hypo	CHH	-0.046
Gm05	7413234	7413783	Gmdrm	hypo	CHH	-0.0234
Gm05	7424841	7425838	Gmdrm	hypo	CHH	-0.0791
Gm05	7431228	7432221	Gmdrm	hypo	CHH	-0.0233
Gm05	7435475	7436475	Gmdrm	hypo	CHH	-0.077
Gm05	7441538	7442523	Gmdrm	hypo	CHH	-0.0438
Gm05	7442545	7443540	Gmdrm	hypo	CHH	-0.0273
Gm05	7443546	7444538	Gmdrm	hypo	CHH	-0.0544
Gm05	7460497	7461494	Gmdrm	hypo	CHH	-0.1367
Gm05	7462711	7463710	Gmdrm	hypo	CHH	-0.0211
Gm05	7464349	7465349	Gmdrm	hypo	CHH	-0.1288
Gm05	7465350	7466340	Gmdrm	hypo	CHH	-0.0687
Gm05	7467389	7468387	Gmdrm	hypo	CHH	-0.0127
Gm05	7475916	7476765	Gmdrm	hypo	CHH	-0.0379
Gm05	7478168	7479167	Gmdrm	hypo	CHH	-0.0982

Gm05	7479171	7479716 Gmdrm	hypo	CHH	-0.0748
Gm05	7491960	7492958 Gmdrm	hypo	CHH	-0.0859
Gm05	7501697	7502692 Gmdrm	hypo	CHH	-0.1573
Gm05	7502707	7503707 Gmdrm	hypo	CHH	-0.1458
Gm05	7506605	7507564 Gmdrm	hypo	CHH	-0.0584
Gm05	7511308	7512279 Gmdrm	hypo	CHH	-0.0446
Gm05	7524156	7525120 Gmdrm	hypo	CHH	-0.0141
Gm05	7542256	7543242 Gmdrm	hypo	CHH	-0.0246
Gm05	7545289	7546285 Gmdrm	hypo	CHH	-0.0427
Gm05	7546319	7546921 Gmdrm	hypo	CHH	-0.023
Gm05	7549041	7549234 Gmdrm	hypo	CHH	-0.0869
Gm05	7578772	7579766 Gmdrm	hypo	CHH	-0.016
Gm05	7582768	7583768 Gmdrm	hypo	CHH	-0.0175
Gm05	7585834	7586829 Gmdrm	hypo	CHH	-0.0353
Gm05	7601761	7602450 Gmdrm	hypo	CHH	-0.0286
Gm05	7602557	7603522 Gmdrm	hypo	CHH	-0.1565
Gm05	7715280	7716278 Gmdrm	hypo	CHH	-0.0558
Gm05	7716321	7717321 Gmdrm	hypo	CHH	-0.0746
Gm05	7717328	7718326 Gmdrm	hypo	CHH	-0.0309
Gm05	7762678	7763332 Gmdrm	hypo	CHH	-0.0288
Gm05	7793986	7794980 Gmdrm	hypo	CHH	-0.0593
Gm05	7795990	7796971 Gmdrm	hypo	CHH	-0.0162
Gm05	7836557	7837335 Gmdrm	hypo	CHH	-0.0255
Gm05	7838676	7839674 Gmdrm	hypo	CHH	-0.034
Gm05	7849510	7850503 Gmdrm	hypo	CHH	-0.0373
Gm05	7853237	7854237 Gmdrm	hypo	CHH	-0.027
Gm05	7855287	7856272 Gmdrm	hypo	CHH	-0.0272
Gm05	7925783	7926770 Gmdrm	hypo	CHH	-0.0442
Gm05	7928861	7929371 Gmdrm	hypo	CHH	-0.028
Gm05	7930946	7931634 Gmdrm	hypo	CHH	-0.04
Gm05	7959970	7960967 Gmdrm	hypo	CHH	-0.0523
Gm05	7993863	7994822 Gmdrm	hypo	CHH	-0.0432
Gm05	7995193	7995814 Gmdrm	hypo	CHH	-0.0496
Gm05	7998510	7999509 Gmdrm	hypo	CHH	-0.0272
Gm05	8087430	8088430 Gmdrm	hypo	CHH	-0.0394
Gm05	8088435	8089424 Gmdrm	hypo	CHH	-0.1561
Gm05	8090453	8091453 Gmdrm	hypo	CHH	-0.0112
Gm05	8091455	8092452 Gmdrm	hypo	CHH	-0.0189
Gm05	8121026	8122024 Gmdrm	hypo	CHH	-0.0477
Gm05	8163170	8164168 Gmdrm	hypo	CHH	-0.0118
Gm05	8168138	8168483 Gmdrm	hypo	CHH	-0.033
Gm05	8198597	8199596 Gmdrm	hypo	CHH	-0.0344
Gm05	8201051	8201337 Gmdrm	hypo	CHH	-0.059
Gm05	8225464	8226461 Gmdrm	hypo	CHH	-0.0138
Gm05	8252296	8253295 Gmdrm	hypo	CHH	-0.0528
Gm05	8256662	8257303 Gmdrm	hypo	CHH	-0.0245

Gm05	8259335	8260314	Gmdrm	hypo	CHH	-0.0393
Gm05	8260351	8261312	Gmdrm	hypo	CHH	-0.0256
Gm05	8315570	8316550	Gmdrm	hypo	CHH	-0.0398
Gm05	8319491	8319713	Gmdrm	hypo	CHH	-0.0434
Gm05	8323713	8324704	Gmdrm	hypo	CHH	-0.0732
Gm05	8324719	8325697	Gmdrm	hypo	CHH	-0.0422
Gm05	8325721	8326716	Gmdrm	hypo	CHH	-0.0254
Gm05	8326767	8327730	Gmdrm	hypo	CHH	-0.0342
Gm05	8327783	8328079	Gmdrm	hypo	CHH	-0.1139
Gm05	8328518	8329512	Gmdrm	hypo	CHH	-0.0227
Gm05	8337287	8338263	Gmdrm	hypo	CHH	-0.0156
Gm05	8338324	8339292	Gmdrm	hypo	CHH	-0.0133
Gm05	8398885	8399885	Gmdrm	hypo	CHH	-0.0946
Gm05	8399886	8400886	Gmdrm	hypo	CHH	-0.0608
Gm05	8429096	8429505	Gmdrm	hypo	CHH	-0.0878
Gm05	8505508	8506491	Gmdrm	hypo	CHH	-0.0128
Gm05	8507557	8508554	Gmdrm	hypo	CHH	-0.3509
Gm05	8508560	8508689	Gmdrm	hypo	CHH	-0.0619
Gm05	8508790	8509765	Gmdrm	hypo	CHH	-0.0284
Gm05	8510856	8511087	Gmdrm	hypo	CHH	-0.1144
Gm05	8514778	8515774	Gmdrm	hypo	CHH	-0.0227
Gm05	8515795	8516793	Gmdrm	hypo	CHH	-0.0478
Gm05	8551862	8552861	Gmdrm	hypo	CHH	-0.0454
Gm05	8552870	8553870	Gmdrm	hypo	CHH	-0.0256
Gm05	8575717	8576717	Gmdrm	hypo	CHH	-0.0322
Gm05	8615322	8616319	Gmdrm	hypo	CHH	-0.0183
Gm05	8616482	8617482	Gmdrm	hypo	CHH	-0.1027
Gm05	8627845	8628842	Gmdrm	hypo	CHH	-0.0727
Gm05	8633101	8634059	Gmdrm	hypo	CHH	-0.077
Gm05	8642102	8643074	Gmdrm	hypo	CHH	-0.0374
Gm05	8643131	8644126	Gmdrm	hypo	CHH	-0.0249
Gm05	8669816	8670807	Gmdrm	hypo	CHH	-0.0144
Gm05	8682901	8683894	Gmdrm	hypo	CHH	-0.0089
Gm05	8684972	8685970	Gmdrm	hypo	CHH	-0.211
Gm05	8686255	8687254	Gmdrm	hypo	CHH	-0.0569
Gm05	8763074	8764074	Gmdrm	hypo	CHH	-0.2579
Gm05	8808452	8808499	Gmdrm	hypo	CHH	-0.1929
Gm05	8811235	8811297	Gmdrm	hypo	CHH	-0.2133
Gm05	8890114	8891114	Gmdrm	hypo	CHH	-0.0461
Gm05	8893828	8894820	Gmdrm	hypo	CHH	-0.0237
Gm05	8894840	8894935	Gmdrm	hypo	CHH	-0.0533
Gm05	8896047	8897042	Gmdrm	hypo	CHH	-0.0553
Gm05	8898072	8899060	Gmdrm	hypo	CHH	-0.0195
Gm05	8906340	8907324	Gmdrm	hypo	CHH	-0.0188
Gm05	8907357	8908319	Gmdrm	hypo	CHH	-0.0229
Gm05	8924725	8925705	Gmdrm	hypo	CHH	-0.0234

Gm05	8963474	8964444 Gmdrm	hypo	CHH	-0.2387
Gm05	8972983	8973981 Gmdrm	hypo	CHH	-0.045
Gm05	8976608	8977606 Gmdrm	hypo	CHH	-0.1019
Gm05	8977615	8978512 Gmdrm	hypo	CHH	-0.054
Gm05	8980238	8981230 Gmdrm	hypo	CHH	-0.0289
Gm05	9002411	9003401 Gmdrm	hypo	CHH	-0.0105
Gm05	9004433	9005433 Gmdrm	hypo	CHH	-0.0567
Gm05	9007735	9008732 Gmdrm	hypo	CHH	-0.2527
Gm05	9008737	9009736 Gmdrm	hypo	CHH	-0.0771
Gm05	9015649	9016648 Gmdrm	hypo	CHH	-0.0256
Gm05	9247920	9248906 Gmdrm	hypo	CHH	-0.0594
Gm05	9265102	9266079 Gmdrm	hypo	CHH	-0.0631
Gm05	9267200	9268193 Gmdrm	hypo	CHH	-0.0267
Gm05	9374063	9375061 Gmdrm	hypo	CHH	-0.1194
Gm05	9375064	9375526 Gmdrm	hypo	CHH	-0.0438
Gm05	9378206	9379199 Gmdrm	hypo	CHH	-0.0425
Gm05	9380208	9381198 Gmdrm	hypo	CHH	-0.0738
Gm05	9382217	9383216 Gmdrm	hypo	CHH	-0.0333
Gm05	9383226	9384223 Gmdrm	hypo	CHH	-0.055
Gm05	9385790	9385998 Gmdrm	hypo	CHH	-0.0487
Gm05	9438258	9439239 Gmdrm	hypo	CHH	-0.1337
Gm05	9439262	9440233 Gmdrm	hypo	CHH	-0.0787
Gm05	9440285	9441268 Gmdrm	hypo	CHH	-0.1478
Gm05	9449321	9450287 Gmdrm	hypo	CHH	-0.0505
Gm05	9464658	9465651 Gmdrm	hypo	CHH	-0.0943
Gm05	9545741	9546723 Gmdrm	hypo	CHH	-0.1072
Gm05	9549830	9550827 Gmdrm	hypo	CHH	-0.0803
Gm05	9551848	9552837 Gmdrm	hypo	CHH	-0.0538
Gm05	9556886	9557876 Gmdrm	hypo	CHH	-0.07
Gm05	9557893	9558883 Gmdrm	hypo	CHH	-0.0149
Gm05	9559941	9560901 Gmdrm	hypo	CHH	-0.0411
Gm05	9560944	9561940 Gmdrm	hypo	CHH	-0.0355
Gm05	9562953	9563949 Gmdrm	hypo	CHH	-0.0539
Gm05	9563984	9564983 Gmdrm	hypo	CHH	-0.1709
Gm05	9567874	9568854 Gmdrm	hypo	CHH	-0.0473
Gm05	9572604	9573603 Gmdrm	hypo	CHH	-0.0572
Gm05	9573605	9574567 Gmdrm	hypo	CHH	-0.0676
Gm05	9594565	9595562 Gmdrm	hypo	CHH	-0.1642
Gm05	9596619	9597612 Gmdrm	hypo	CHH	-0.0133
Gm05	9609973	9610968 Gmdrm	hypo	CHH	-0.0592
Gm05	9614001	9614936 Gmdrm	hypo	CHH	-0.1029
Gm05	9633068	9634060 Gmdrm	hypo	CHH	-0.0165
Gm05	9634090	9635084 Gmdrm	hypo	CHH	-0.0311
Gm05	9636093	9637092 Gmdrm	hypo	CHH	-0.0844
Gm05	9640890	9641561 Gmdrm	hypo	CHH	-0.0355
Gm05	9654369	9655369 Gmdrm	hypo	CHH	-0.0399

Gm05	9699665	9699756	Gmdrm	hypo	CHH	-0.1167
Gm05	9701760	9702751	Gmdrm	hypo	CHH	-0.0422
Gm05	9702770	9703760	Gmdrm	hypo	CHH	-0.055
Gm05	9714848	9715839	Gmdrm	hypo	CHH	-0.1057
Gm05	9716470	9717468	Gmdrm	hypo	CHH	-0.0672
Gm05	9737051	9737979	Gmdrm	hypo	CHH	-0.0707
Gm05	9740277	9740390	Gmdrm	hypo	CHH	-0.1369
Gm05	9757479	9758469	Gmdrm	hypo	CHH	-0.0304
Gm05	9759520	9760045	Gmdrm	hypo	CHH	-0.07
Gm05	9847929	9848638	Gmdrm	hypo	CHH	-0.0973
Gm05	9856685	9857659	Gmdrm	hypo	CHH	-0.0669
Gm05	9898072	9899070	Gmdrm	hypo	CHH	-0.1594
Gm05	9899073	9899984	Gmdrm	hypo	CHH	-0.0639
Gm05	9900087	9901082	Gmdrm	hypo	CHH	-0.0624
Gm05	9905095	9906094	Gmdrm	hypo	CHH	-0.0414
Gm05	9906103	9907092	Gmdrm	hypo	CHH	-0.0426
Gm05	9908993	9909943	Gmdrm	hypo	CHH	-0.174
Gm05	9910000	9910994	Gmdrm	hypo	CHH	-0.114
Gm05	9994213	9995210	Gmdrm	hypo	CHH	-0.0198
Gm05	10037503	10038501	Gmdrm	hypo	CHH	-0.035
Gm05	10043951	10044041	Gmdrm	hypo	CHH	-0.068
Gm05	10049538	10050534	Gmdrm	hypo	CHH	-0.0579
Gm05	10050543	10051141	Gmdrm	hypo	CHH	-0.0632
Gm05	10051255	10051602	Gmdrm	hypo	CHH	-0.1286
Gm05	10051733	10052727	Gmdrm	hypo	CHH	-0.1588
Gm05	10056519	10057490	Gmdrm	hypo	CHH	-0.0177
Gm05	10063038	10063878	Gmdrm	hypo	CHH	-0.066
Gm05	10084676	10084960	Gmdrm	hypo	CHH	-0.0918
Gm05	10090122	10091117	Gmdrm	hypo	CHH	-0.1215
Gm05	10092180	10093177	Gmdrm	hypo	CHH	-0.0238
Gm05	10093184	10094179	Gmdrm	hypo	CHH	-0.0509
Gm05	10104911	10105156	Gmdrm	hypo	CHH	-0.0911
Gm05	10109653	10110647	Gmdrm	hypo	CHH	-0.0747
Gm05	10124504	10125501	Gmdrm	hypo	CHH	-0.0476
Gm05	10135223	10136217	Gmdrm	hypo	CHH	-0.0894
Gm05	10137242	10138228	Gmdrm	hypo	CHH	-0.0419
Gm05	10142031	10143012	Gmdrm	hypo	CHH	-0.0543
Gm05	10169988	10170972	Gmdrm	hypo	CHH	-0.0223
Gm05	10178263	10179221	Gmdrm	hypo	CHH	-0.0591
Gm05	10215148	10215641	Gmdrm	hypo	CHH	-0.0635
Gm05	10217976	10218962	Gmdrm	hypo	CHH	-0.0118
Gm05	10225578	10226578	Gmdrm	hypo	CHH	-0.02
Gm05	10226579	10227540	Gmdrm	hypo	CHH	-0.0161
Gm05	10230827	10231826	Gmdrm	hypo	CHH	-0.0341
Gm05	10231829	10231875	Gmdrm	hypo	CHH	-0.102
Gm05	10240504	10241502	Gmdrm	hypo	CHH	-0.0344

Gm05	10241506	10242030 Gmdrm	hypo	CHH	-0.1457
Gm05	10242145	10242376 Gmdrm	hypo	CHH	-0.0432
Gm05	10242952	10243928 Gmdrm	hypo	CHH	-0.0641
Gm05	10448964	10449959 Gmdrm	hypo	CHH	-0.1217
Gm05	10451678	10452299 Gmdrm	hypo	CHH	-0.0196
Gm05	10453462	10454057 Gmdrm	hypo	CHH	-0.2239
Gm05	10455875	10455925 Gmdrm	hypo	CHH	-0.058
Gm05	10492115	10493081 Gmdrm	hypo	CHH	-0.2113
Gm05	10493129	10494120 Gmdrm	hypo	CHH	-0.0249
Gm05	10494134	10495125 Gmdrm	hypo	CHH	-0.0182
Gm05	10513665	10514657 Gmdrm	hypo	CHH	-0.0567
Gm05	10514674	10515629 Gmdrm	hypo	CHH	-0.1127
Gm05	10521360	10521828 Gmdrm	hypo	CHH	-0.035
Gm05	10537998	10538968 Gmdrm	hypo	CHH	-0.026
Gm05	10544538	10545538 Gmdrm	hypo	CHH	-0.1003
Gm05	10554963	10555559 Gmdrm	hypo	CHH	-0.063
Gm05	10572743	10573720 Gmdrm	hypo	CHH	-0.051
Gm05	10579154	10579322 Gmdrm	hypo	CHH	-0.1128
Gm05	10579449	10580374 Gmdrm	hypo	CHH	-0.0658
Gm05	10706415	10707411 Gmdrm	hypo	CHH	-0.028
Gm05	10744218	10745208 Gmdrm	hypo	CHH	-0.0155
Gm05	10778379	10779352 Gmdrm	hypo	CHH	-0.0195
Gm05	10823452	10824450 Gmdrm	hypo	CHH	-0.0916
Gm05	10832084	10832400 Gmdrm	hypo	CHH	-0.041
Gm05	10832537	10833535 Gmdrm	hypo	CHH	-0.0421
Gm05	10884858	10885821 Gmdrm	hypo	CHH	-0.0272
Gm05	10917982	10918058 Gmdrm	hypo	CHH	-0.186
Gm05	10998000	10998821 Gmdrm	hypo	CHH	-0.0658
Gm05	11022270	11022717 Gmdrm	hypo	CHH	-0.035
Gm05	11041770	11042749 Gmdrm	hypo	CHH	-0.0535
Gm05	11072772	11073043 Gmdrm	hypo	CHH	-0.0347
Gm05	11129709	11130703 Gmdrm	hypo	CHH	-0.0717
Gm05	11136951	11137684 Gmdrm	hypo	CHH	-0.021
Gm05	11140890	11141031 Gmdrm	hypo	CHH	-0.1044
Gm05	11141151	11142151 Gmdrm	hypo	CHH	-0.0563
Gm05	11152219	11153022 Gmdrm	hypo	CHH	-0.1083
Gm05	11153127	11154114 Gmdrm	hypo	CHH	-0.0876
Gm05	11169775	11170759 Gmdrm	hypo	CHH	-0.0552
Gm05	11170782	11171779 Gmdrm	hypo	CHH	-0.1196
Gm05	11175987	11176984 Gmdrm	hypo	CHH	-0.0685
Gm05	11180830	11181823 Gmdrm	hypo	CHH	-0.0617
Gm05	11181836	11182030 Gmdrm	hypo	CHH	-0.0787
Gm05	11280350	11280440 Gmdrm	hypo	CHH	-0.1008
Gm05	11280556	11281521 Gmdrm	hypo	CHH	-0.0432
Gm05	11317193	11318140 Gmdrm	hypo	CHH	-0.0906
Gm05	11331019	11331518 Gmdrm	hypo	CHH	-0.1185

Gm05	11372288	11373279	Gmdrm	hypo	CHH	-0.0262
Gm05	11438856	11439856	Gmdrm	hypo	CHH	-0.0327
Gm05	11442221	11443211	Gmdrm	hypo	CHH	-0.0414
Gm05	11452350	11453342	Gmdrm	hypo	CHH	-0.1787
Gm05	11463561	11464553	Gmdrm	hypo	CHH	-0.0608
Gm05	11465921	11466263	Gmdrm	hypo	CHH	-0.0682
Gm05	11494814	11495809	Gmdrm	hypo	CHH	-0.048
Gm05	11501524	11502261	Gmdrm	hypo	CHH	-0.0622
Gm05	11503414	11504357	Gmdrm	hypo	CHH	-0.0271
Gm05	11504446	11505436	Gmdrm	hypo	CHH	-0.0278
Gm05	11550146	11551137	Gmdrm	hypo	CHH	-0.0745
Gm05	11563544	11564542	Gmdrm	hypo	CHH	-0.0442
Gm05	11564545	11565482	Gmdrm	hypo	CHH	-0.0733
Gm05	11596745	11597744	Gmdrm	hypo	CHH	-0.0362
Gm05	11679092	11679544	Gmdrm	hypo	CHH	-0.0802
Gm05	11698144	11699001	Gmdrm	hypo	CHH	-0.0223
Gm05	11708811	11709793	Gmdrm	hypo	CHH	-0.0236
Gm05	11713784	11714779	Gmdrm	hypo	CHH	-0.0439
Gm05	11729044	11730043	Gmdrm	hypo	CHH	-0.1802
Gm05	11750996	11751215	Gmdrm	hypo	CHH	-0.0734
Gm05	11758638	11759603	Gmdrm	hypo	CHH	-0.0382
Gm05	11770867	11771865	Gmdrm	hypo	CHH	-0.0481
Gm05	11805818	11806814	Gmdrm	hypo	CHH	-0.0536
Gm05	11912464	11913330	Gmdrm	hypo	CHH	-0.0416
Gm05	11938768	11939703	Gmdrm	hypo	CHH	-0.0313
Gm05	11942168	11943104	Gmdrm	hypo	CHH	-0.0247
Gm05	11944131	11945127	Gmdrm	hypo	CHH	-0.0553
Gm05	11945142	11946103	Gmdrm	hypo	CHH	-0.0594
Gm05	11949318	11950316	Gmdrm	hypo	CHH	-0.0255
Gm05	11950323	11951321	Gmdrm	hypo	CHH	-0.0341
Gm05	11961392	11961844	Gmdrm	hypo	CHH	-0.125
Gm05	11971884	11972883	Gmdrm	hypo	CHH	-0.0556
Gm05	11972889	11973885	Gmdrm	hypo	CHH	-0.0422
Gm05	12270942	12271935	Gmdrm	hypo	CHH	-0.0389
Gm05	12335220	12336190	Gmdrm	hypo	CHH	-0.0485
Gm05	12386175	12387042	Gmdrm	hypo	CHH	-0.0472
Gm05	12389276	12390276	Gmdrm	hypo	CHH	-0.111
Gm05	12390278	12391248	Gmdrm	hypo	CHH	-0.1452
Gm05	12794995	12795980	Gmdrm	hypo	CHH	-0.0575
Gm05	13205958	13206956	Gmdrm	hypo	CHH	-0.0393
Gm05	13206962	13207954	Gmdrm	hypo	CHH	-0.0215
Gm05	13207972	13208270	Gmdrm	hypo	CHH	-0.054
Gm05	13208380	13209369	Gmdrm	hypo	CHH	-0.0652
Gm05	13209398	13210380	Gmdrm	hypo	CHH	-0.0654
Gm05	13248109	13249107	Gmdrm	hypo	CHH	-0.0567
Gm05	13269420	13270413	Gmdrm	hypo	CHH	-0.0139

Gm05	13502269	13503267	Gmdrm	hypo	CHH	-0.0621
Gm05	13503273	13503927	Gmdrm	hypo	CHH	-0.1249
Gm05	13505158	13506148	Gmdrm	hypo	CHH	-0.0203
Gm05	13695628	13695661	Gmdrm	hypo	CHH	-0.094
Gm05	13778392	13779319	Gmdrm	hypo	CHH	-0.0669
Gm05	13847253	13847325	Gmdrm	hypo	CHH	-0.1556
Gm05	13861891	13862400	Gmdrm	hypo	CHH	-0.0172
Gm05	14062837	14063826	Gmdrm	hypo	CHH	-0.027
Gm05	14064886	14065884	Gmdrm	hypo	CHH	-0.0253
Gm05	14065887	14066886	Gmdrm	hypo	CHH	-0.0556
Gm05	14076664	14076728	Gmdrm	hypo	CHH	-0.085
Gm05	14077142	14077375	Gmdrm	hypo	CHH	-0.29
Gm05	14085912	14086912	Gmdrm	hypo	CHH	-0.0282
Gm05	14087235	14088234	Gmdrm	hypo	CHH	-0.0506
Gm05	14103057	14104044	Gmdrm	hypo	CHH	-0.0403
Gm05	14112100	14113082	Gmdrm	hypo	CHH	-0.02
Gm05	14113111	14113617	Gmdrm	hypo	CHH	-0.0282
Gm05	14129357	14130353	Gmdrm	hypo	CHH	-0.0615
Gm05	14134217	14135207	Gmdrm	hypo	CHH	-0.0975
Gm05	14136355	14137354	Gmdrm	hypo	CHH	-0.0251
Gm05	14137357	14138357	Gmdrm	hypo	CHH	-0.0461
Gm05	14182800	14183793	Gmdrm	hypo	CHH	-0.0587
Gm05	14333938	14334936	Gmdrm	hypo	CHH	-0.0134
Gm05	14340472	14341463	Gmdrm	hypo	CHH	-0.0535
Gm05	14343492	14344477	Gmdrm	hypo	CHH	-0.0357
Gm05	14353677	14354673	Gmdrm	hypo	CHH	-0.0325
Gm05	14379299	14380298	Gmdrm	hypo	CHH	-0.0568
Gm05	14383879	14384879	Gmdrm	hypo	CHH	-0.0228
Gm05	14385205	14386205	Gmdrm	hypo	CHH	-0.0329
Gm05	14386211	14387184	Gmdrm	hypo	CHH	-0.0469
Gm05	14421301	14421456	Gmdrm	hypo	CHH	-0.16
Gm05	14687039	14688026	Gmdrm	hypo	CHH	-0.214
Gm05	14762252	14763161	Gmdrm	hypo	CHH	-0.0685
Gm05	14763521	14764490	Gmdrm	hypo	CHH	-0.0514
Gm05	14775679	14776667	Gmdrm	hypo	CHH	-0.0253
Gm05	14778871	14779870	Gmdrm	hypo	CHH	-0.0694
Gm05	14851180	14852141	Gmdrm	hypo	CHH	-0.0835
Gm05	14870040	14871039	Gmdrm	hypo	CHH	-0.0404
Gm05	14871052	14872040	Gmdrm	hypo	CHH	-0.0259
Gm05	14873071	14873238	Gmdrm	hypo	CHH	-0.1349
Gm05	14873558	14874027	Gmdrm	hypo	CHH	-0.0604
Gm05	14934984	14935522	Gmdrm	hypo	CHH	-0.0348
Gm05	15044780	15045768	Gmdrm	hypo	CHH	-0.0593
Gm05	15056036	15056179	Gmdrm	hypo	CHH	-0.146
Gm05	15098422	15099421	Gmdrm	hypo	CHH	-0.0971
Gm05	15099426	15100413	Gmdrm	hypo	CHH	-0.0735

Gm05	15113273	15114260	Gmdrm	hypo	CHH	-0.0476
Gm05	15132271	15133268	Gmdrm	hypo	CHH	-0.0165
Gm05	15154226	15155122	Gmdrm	hypo	CHH	-0.0139
Gm05	15167804	15168640	Gmdrm	hypo	CHH	-0.0253
Gm05	15173576	15174522	Gmdrm	hypo	CHH	-0.0345
Gm05	15176706	15177698	Gmdrm	hypo	CHH	-0.1052
Gm05	15177720	15178719	Gmdrm	hypo	CHH	-0.0642
Gm05	15184866	15185819	Gmdrm	hypo	CHH	-0.0284
Gm05	15192974	15193966	Gmdrm	hypo	CHH	-0.0282
Gm05	15215199	15216197	Gmdrm	hypo	CHH	-0.0443
Gm05	15286958	15287871	Gmdrm	hypo	CHH	-0.0686
Gm05	15293698	15294673	Gmdrm	hypo	CHH	-0.0236
Gm05	15296761	15297757	Gmdrm	hypo	CHH	-0.2034
Gm05	15438271	15439268	Gmdrm	hypo	CHH	-0.0293
Gm05	15440100	15441086	Gmdrm	hypo	CHH	-0.0112
Gm05	15445067	15445374	Gmdrm	hypo	CHH	-0.025
Gm05	15468060	15469043	Gmdrm	hypo	CHH	-0.1857
Gm05	15472391	15473357	Gmdrm	hypo	CHH	-0.0327
Gm05	15493853	15494671	Gmdrm	hypo	CHH	-0.032
Gm05	15494815	15495814	Gmdrm	hypo	CHH	-0.0187
Gm05	15495822	15496080	Gmdrm	hypo	CHH	-0.065
Gm05	15496770	15497762	Gmdrm	hypo	CHH	-0.0603
Gm05	15517856	15518573	Gmdrm	hypo	CHH	-0.0568
Gm05	15520861	15521845	Gmdrm	hypo	CHH	-0.0708
Gm05	15526539	15527529	Gmdrm	hypo	CHH	-0.0221
Gm05	15527555	15528522	Gmdrm	hypo	CHH	-0.0768
Gm05	15631610	15631706	Gmdrm	hypo	CHH	-0.2522
Gm05	15832192	15833189	Gmdrm	hypo	CHH	-0.069
Gm05	15833194	15834181	Gmdrm	hypo	CHH	-0.1144
Gm05	15839612	15840598	Gmdrm	hypo	CHH	-0.0844
Gm05	15840614	15841610	Gmdrm	hypo	CHH	-0.0658
Gm05	15866922	15867913	Gmdrm	hypo	CHH	-0.0299
Gm05	15873360	15874360	Gmdrm	hypo	CHH	-0.0437
Gm05	15874364	15875348	Gmdrm	hypo	CHH	-0.0401
Gm05	15903668	15904652	Gmdrm	hypo	CHH	-0.0734
Gm05	15920359	15921358	Gmdrm	hypo	CHH	-0.0664
Gm05	15921364	15922356	Gmdrm	hypo	CHH	-0.0561
Gm05	15933583	15934562	Gmdrm	hypo	CHH	-0.0227
Gm05	16057902	16058892	Gmdrm	hypo	CHH	-0.2067
Gm05	16068642	16069640	Gmdrm	hypo	CHH	-0.0245
Gm05	16069643	16070627	Gmdrm	hypo	CHH	-0.0333
Gm05	16070648	16071640	Gmdrm	hypo	CHH	-0.0562
Gm05	16071650	16072615	Gmdrm	hypo	CHH	-0.0518
Gm05	16072651	16073628	Gmdrm	hypo	CHH	-0.0385
Gm05	16073668	16074660	Gmdrm	hypo	CHH	-0.0361
Gm05	16074671	16075667	Gmdrm	hypo	CHH	-0.032

Gm05	16078436	16079435	Gmdrm	hypo	CHH	-0.0305
Gm05	16103800	16104799	Gmdrm	hypo	CHH	-0.025
Gm05	16104801	16105793	Gmdrm	hypo	CHH	-0.0363
Gm05	16121844	16122842	Gmdrm	hypo	CHH	-0.0221
Gm05	16126843	16127683	Gmdrm	hypo	CHH	-0.0212
Gm05	16133824	16134807	Gmdrm	hypo	CHH	-0.0231
Gm05	16134825	16135824	Gmdrm	hypo	CHH	-0.0944
Gm05	16142209	16143195	Gmdrm	hypo	CHH	-0.0412
Gm05	16145894	16146510	Gmdrm	hypo	CHH	-0.0275
Gm05	16146632	16147615	Gmdrm	hypo	CHH	-0.0269
Gm05	16249909	16250901	Gmdrm	hypo	CHH	-0.0239
Gm05	16259220	16260173	Gmdrm	hypo	CHH	-0.0382
Gm05	16407214	16407335	Gmdrm	hypo	CHH	-0.0675
Gm05	16564182	16565179	Gmdrm	hypo	CHH	-0.0376
Gm05	16570229	16570663	Gmdrm	hypo	CHH	-0.0735
Gm05	16571236	16572230	Gmdrm	hypo	CHH	-0.0227
Gm05	16579710	16580668	Gmdrm	hypo	CHH	-0.0603
Gm05	16684202	16685200	Gmdrm	hypo	CHH	-0.1972
Gm05	16691125	16691838	Gmdrm	hypo	CHH	-0.0171
Gm05	16691959	16692958	Gmdrm	hypo	CHH	-0.2385
Gm05	16775012	16775310	Gmdrm	hypo	CHH	-0.04
Gm05	16827933	16828933	Gmdrm	hypo	CHH	-0.0176
Gm05	16873690	16874633	Gmdrm	hypo	CHH	-0.0149
Gm05	17138214	17139209	Gmdrm	hypo	CHH	-0.0189
Gm05	17149320	17150318	Gmdrm	hypo	CHH	-0.0231
Gm05	17154547	17155547	Gmdrm	hypo	CHH	-0.097
Gm05	17187960	17188635	Gmdrm	hypo	CHH	-0.0373
Gm05	17214477	17215451	Gmdrm	hypo	CHH	-0.0486
Gm05	17218487	17219483	Gmdrm	hypo	CHH	-0.0342
Gm05	17219493	17220492	Gmdrm	hypo	CHH	-0.0204
Gm05	17223043	17223847	Gmdrm	hypo	CHH	-0.1122
Gm05	17239536	17240531	Gmdrm	hypo	CHH	-0.0669
Gm05	17262596	17262858	Gmdrm	hypo	CHH	-0.0592
Gm05	17282703	17283699	Gmdrm	hypo	CHH	-0.06
Gm05	17283704	17283867	Gmdrm	hypo	CHH	-0.2379
Gm05	17284216	17285205	Gmdrm	hypo	CHH	-0.0521
Gm05	17328763	17329762	Gmdrm	hypo	CHH	-0.0287
Gm05	17333067	17333252	Gmdrm	hypo	CHH	-0.064
Gm05	17339908	17340606	Gmdrm	hypo	CHH	-0.1469
Gm05	17405244	17405935	Gmdrm	hypo	CHH	-0.045
Gm05	17445055	17445695	Gmdrm	hypo	CHH	-0.0637
Gm05	17495077	17496070	Gmdrm	hypo	CHH	-0.0262
Gm05	17501638	17502611	Gmdrm	hypo	CHH	-0.0511
Gm05	17508888	17508954	Gmdrm	hypo	CHH	-0.1514
Gm05	17955856	17956742	Gmdrm	hypo	CHH	-0.0342
Gm05	18011339	18012326	Gmdrm	hypo	CHH	-0.0339

Gm05	18021489	18022478	Gmdrm	hypo	CHH	-0.0168
Gm05	18081048	18082041	Gmdrm	hypo	CHH	-0.0368
Gm05	18084059	18085057	Gmdrm	hypo	CHH	-0.0656
Gm05	18087079	18088078	Gmdrm	hypo	CHH	-0.0325
Gm05	18088087	18089072	Gmdrm	hypo	CHH	-0.0291
Gm05	18225541	18225985	Gmdrm	hypo	CHH	-0.087
Gm05	18480993	18481991	Gmdrm	hypo	CHH	-0.0408
Gm05	18481994	18482626	Gmdrm	hypo	CHH	-0.0286
Gm05	18482727	18483567	Gmdrm	hypo	CHH	-0.0144
Gm05	18492726	18493425	Gmdrm	hypo	CHH	-0.0378
Gm05	18726488	18727487	Gmdrm	hypo	CHH	-0.0498
Gm05	18749368	18750358	Gmdrm	hypo	CHH	-0.0371
Gm05	18767058	18767238	Gmdrm	hypo	CHH	-0.123
Gm05	18925527	18926512	Gmdrm	hypo	CHH	-0.0537
Gm05	18926531	18927528	Gmdrm	hypo	CHH	-0.0367
Gm05	18929115	18930092	Gmdrm	hypo	CHH	-0.0191
Gm05	18931274	18932268	Gmdrm	hypo	CHH	-0.0306
Gm05	18943332	18943862	Gmdrm	hypo	CHH	-0.0466
Gm05	18954251	18955248	Gmdrm	hypo	CHH	-0.0326
Gm05	19038348	19038496	Gmdrm	hypo	CHH	-0.1217
Gm05	19355533	19356533	Gmdrm	hypo	CHH	-0.0383
Gm05	19360138	19360584	Gmdrm	hypo	CHH	-0.1287
Gm05	19361991	19362984	Gmdrm	hypo	CHH	-0.0151
Gm05	19362992	19363989	Gmdrm	hypo	CHH	-0.0527
Gm05	19363998	19364977	Gmdrm	hypo	CHH	-0.0627
Gm05	19365027	19365989	Gmdrm	hypo	CHH	-0.0197
Gm05	19366032	19366667	Gmdrm	hypo	CHH	-0.0504
Gm05	19366772	19367011	Gmdrm	hypo	CHH	-0.1196
Gm05	19417141	19418036	Gmdrm	hypo	CHH	-0.02
Gm05	19465647	19466639	Gmdrm	hypo	CHH	-0.3674
Gm05	19466651	19467383	Gmdrm	hypo	CHH	-0.4421
Gm05	19467596	19467983	Gmdrm	hypo	CHH	-0.0414
Gm05	19468336	19469310	Gmdrm	hypo	CHH	-0.0334
Gm05	19490259	19491196	Gmdrm	hypo	CHH	-0.0387
Gm05	19494684	19495681	Gmdrm	hypo	CHH	-0.0805
Gm05	19572316	19573260	Gmdrm	hypo	CHH	-0.039
Gm05	19770377	19771373	Gmdrm	hypo	CHH	-0.0842
Gm05	19793668	19794664	Gmdrm	hypo	CHH	-0.0512
Gm05	19899495	19900494	Gmdrm	hypo	CHH	-0.071
Gm05	19900506	19901321	Gmdrm	hypo	CHH	-0.0265
Gm05	19913532	19914521	Gmdrm	hypo	CHH	-0.0487
Gm05	19941568	19941626	Gmdrm	hypo	CHH	-0.036
Gm05	19941740	19942736	Gmdrm	hypo	CHH	-0.1168
Gm05	19995982	19996105	Gmdrm	hypo	CHH	-0.206
Gm05	19998332	19998570	Gmdrm	hypo	CHH	-0.1389
Gm05	20008211	20009199	Gmdrm	hypo	CHH	-0.0236

Gm05	20009246	20010245	Gmdrm	hypo	CHH	-0.039
Gm05	20018418	20019413	Gmdrm	hypo	CHH	-0.0187
Gm05	20060920	20061895	Gmdrm	hypo	CHH	-0.0729
Gm05	20061952	20062946	Gmdrm	hypo	CHH	-0.0414
Gm05	20062954	20063895	Gmdrm	hypo	CHH	-0.0157
Gm05	20070917	20071847	Gmdrm	hypo	CHH	-0.0248
Gm05	20094764	20095756	Gmdrm	hypo	CHH	-0.0215
Gm05	20116107	20116407	Gmdrm	hypo	CHH	-0.0679
Gm05	20122624	20123585	Gmdrm	hypo	CHH	-0.0485
Gm05	20234214	20234563	Gmdrm	hypo	CHH	-0.0723
Gm05	20256129	20256361	Gmdrm	hypo	CHH	-0.0662
Gm05	20257022	20257332	Gmdrm	hypo	CHH	-0.0566
Gm05	20267310	20268284	Gmdrm	hypo	CHH	-0.0332
Gm05	20268314	20268608	Gmdrm	hypo	CHH	-0.0327
Gm05	20272155	20272735	Gmdrm	hypo	CHH	-0.06
Gm05	20274697	20274797	Gmdrm	hypo	CHH	-0.072
Gm05	20289331	20289414	Gmdrm	hypo	CHH	-0.0733
Gm05	20336262	20336426	Gmdrm	hypo	CHH	-0.05
Gm05	21002132	21002800	Gmdrm	hypo	CHH	-0.0686
Gm05	21038350	21038427	Gmdrm	hypo	CHH	-0.1167
Gm05	21268652	21269562	Gmdrm	hypo	CHH	-0.0988
Gm05	21578848	21578918	Gmdrm	hypo	CHH	-0.2366
Gm05	21592917	21593647	Gmdrm	hypo	CHH	-0.0415
Gm05	21593865	21594660	Gmdrm	hypo	CHH	-0.0274
Gm05	21596599	21597567	Gmdrm	hypo	CHH	-0.1982
Gm05	21628127	21629118	Gmdrm	hypo	CHH	-0.0384
Gm05	21724429	21724584	Gmdrm	hypo	CHH	-0.075
Gm05	21979155	21980132	Gmdrm	hypo	CHH	-0.0119
Gm05	21984970	21985959	Gmdrm	hypo	CHH	-0.0257
Gm05	21991105	21992100	Gmdrm	hypo	CHH	-0.0304
Gm05	21992129	21992486	Gmdrm	hypo	CHH	-0.0255
Gm05	21994430	21995396	Gmdrm	hypo	CHH	-0.0179
Gm05	21995433	21996430	Gmdrm	hypo	CHH	-0.0115
Gm05	21996443	21996666	Gmdrm	hypo	CHH	-0.0809
Gm05	21998884	21999370	Gmdrm	hypo	CHH	-0.107
Gm05	22049348	22049678	Gmdrm	hypo	CHH	-0.0404
Gm05	22049976	22050973	Gmdrm	hypo	CHH	-0.0455
Gm05	22082897	22083877	Gmdrm	hypo	CHH	-0.0454
Gm05	22124339	22125333	Gmdrm	hypo	CHH	-0.0361
Gm05	22125345	22126323	Gmdrm	hypo	CHH	-0.0178
Gm05	22206851	22207847	Gmdrm	hypo	CHH	-0.0413
Gm05	22211099	22212073	Gmdrm	hypo	CHH	-0.0687
Gm05	22216300	22217296	Gmdrm	hypo	CHH	-0.0528
Gm05	22217301	22218298	Gmdrm	hypo	CHH	-0.1176
Gm05	22218303	22219296	Gmdrm	hypo	CHH	-0.0512
Gm05	22219608	22220596	Gmdrm	hypo	CHH	-0.0205

Gm05	22220627	22221607	Gmdrm	hypo	CHH	-0.145
Gm05	22222643	22223588	Gmdrm	hypo	CHH	-0.0389
Gm05	22223737	22224728	Gmdrm	hypo	CHH	-0.0535
Gm05	22239963	22240357	Gmdrm	hypo	CHH	-0.0947
Gm05	22246005	22246972	Gmdrm	hypo	CHH	-0.0392
Gm05	22334271	22335266	Gmdrm	hypo	CHH	-0.0371
Gm05	22435200	22435224	Gmdrm	hypo	CHH	-0.2333
Gm05	22439710	22440039	Gmdrm	hypo	CHH	-0.0969
Gm05	22511503	22512488	Gmdrm	hypo	CHH	-0.0361
Gm05	22722641	22723641	Gmdrm	hypo	CHH	-0.0417
Gm05	22890498	22890921	Gmdrm	hypo	CHH	-0.0412
Gm05	23035093	23036093	Gmdrm	hypo	CHH	-0.1018
Gm05	23036096	23037093	Gmdrm	hypo	CHH	-0.0384
Gm05	23037098	23038097	Gmdrm	hypo	CHH	-0.194
Gm05	23148026	23148150	Gmdrm	hypo	CHH	-0.178
Gm05	23446611	23447609	Gmdrm	hypo	CHH	-0.0484
Gm05	23448985	23449979	Gmdrm	hypo	CHH	-0.033
Gm05	23456867	23457845	Gmdrm	hypo	CHH	-0.1148
Gm05	23458880	23459879	Gmdrm	hypo	CHH	-0.0173
Gm05	23484016	23484279	Gmdrm	hypo	CHH	-0.0356
Gm05	23484380	23485375	Gmdrm	hypo	CHH	-0.0139
Gm05	23491657	23492649	Gmdrm	hypo	CHH	-0.0476
Gm05	23495779	23495953	Gmdrm	hypo	CHH	-0.0468
Gm05	23631728	23632562	Gmdrm	hypo	CHH	-0.0515
Gm05	23632969	23633956	Gmdrm	hypo	CHH	-0.0726
Gm05	23660536	23661426	Gmdrm	hypo	CHH	-0.0292
Gm05	23667903	23668901	Gmdrm	hypo	CHH	-0.0721
Gm05	23673918	23674910	Gmdrm	hypo	CHH	-0.0236
Gm05	23693324	23694055	Gmdrm	hypo	CHH	-0.0541
Gm05	23709540	23709700	Gmdrm	hypo	CHH	-0.08
Gm05	23728565	23728699	Gmdrm	hypo	CHH	-0.04
Gm05	23730438	23731425	Gmdrm	hypo	CHH	-0.0205
Gm05	23744735	23745269	Gmdrm	hypo	CHH	-0.1094
Gm05	23839799	23839817	Gmdrm	hypo	CHH	-0.108
Gm05	23861851	23862851	Gmdrm	hypo	CHH	-0.0419
Gm05	23870328	23871310	Gmdrm	hypo	CHH	-0.0287
Gm05	23871363	23872348	Gmdrm	hypo	CHH	-0.031
Gm05	23876379	23877370	Gmdrm	hypo	CHH	-0.0264
Gm05	23877383	23878369	Gmdrm	hypo	CHH	-0.0421
Gm05	23878404	23879358	Gmdrm	hypo	CHH	-0.0455
Gm05	23879405	23880373	Gmdrm	hypo	CHH	-0.0638
Gm05	23880470	23881162	Gmdrm	hypo	CHH	-0.148
Gm05	23881401	23882387	Gmdrm	hypo	CHH	-0.0804
Gm05	23882405	23883388	Gmdrm	hypo	CHH	-0.0623
Gm05	23890242	23891220	Gmdrm	hypo	CHH	-0.0312
Gm05	23891250	23892249	Gmdrm	hypo	CHH	-0.0929

Gm05	23893320	23894315	Gmdrm	hypo	CHH	-0.0283
Gm05	23903300	23903936	Gmdrm	hypo	CHH	-0.0178
Gm05	23996897	23997897	Gmdrm	hypo	CHH	-0.0265
Gm05	24007552	24008549	Gmdrm	hypo	CHH	-0.0232
Gm05	24021745	24022745	Gmdrm	hypo	CHH	-0.0472
Gm05	24105147	24105307	Gmdrm	hypo	CHH	-0.1676
Gm05	24107549	24108538	Gmdrm	hypo	CHH	-0.0674
Gm05	24109558	24110556	Gmdrm	hypo	CHH	-0.0367
Gm05	24110576	24111553	Gmdrm	hypo	CHH	-0.0249
Gm05	24130406	24131406	Gmdrm	hypo	CHH	-0.105
Gm05	24147213	24147307	Gmdrm	hypo	CHH	-0.078
Gm05	24147564	24148556	Gmdrm	hypo	CHH	-0.1038
Gm05	24160550	24161545	Gmdrm	hypo	CHH	-0.0519
Gm05	24318851	24319843	Gmdrm	hypo	CHH	-0.0437
Gm05	24320166	24320438	Gmdrm	hypo	CHH	-0.0392
Gm05	24320546	24320690	Gmdrm	hypo	CHH	-0.04
Gm05	24516318	24517310	Gmdrm	hypo	CHH	-0.0169
Gm05	24557151	24557775	Gmdrm	hypo	CHH	-0.0236
Gm05	24557902	24558885	Gmdrm	hypo	CHH	-0.0223
Gm05	24760340	24761334	Gmdrm	hypo	CHH	-0.0464
Gm05	24767772	24768767	Gmdrm	hypo	CHH	-0.1374
Gm05	24786815	24787410	Gmdrm	hypo	CHH	-0.1577
Gm05	24788261	24789260	Gmdrm	hypo	CHH	-0.08
Gm05	24789263	24790254	Gmdrm	hypo	CHH	-0.0294
Gm05	24790301	24791298	Gmdrm	hypo	CHH	-0.0585
Gm05	24791302	24792064	Gmdrm	hypo	CHH	-0.0946
Gm05	24792179	24793144	Gmdrm	hypo	CHH	-0.0565
Gm05	24795295	24795823	Gmdrm	hypo	CHH	-0.0456
Gm05	24797089	24798069	Gmdrm	hypo	CHH	-0.0553
Gm05	24798108	24799099	Gmdrm	hypo	CHH	-0.0425
Gm05	24807847	24808832	Gmdrm	hypo	CHH	-0.0777
Gm05	24811861	24812812	Gmdrm	hypo	CHH	-0.1087
Gm05	24888911	24889902	Gmdrm	hypo	CHH	-0.0176
Gm05	24889929	24890926	Gmdrm	hypo	CHH	-0.0207
Gm05	24890935	24891922	Gmdrm	hypo	CHH	-0.0356
Gm05	24911142	24912141	Gmdrm	hypo	CHH	-0.0425
Gm05	25010610	25011599	Gmdrm	hypo	CHH	-0.0124
Gm05	25011617	25012599	Gmdrm	hypo	CHH	-0.0302
Gm05	25030452	25031442	Gmdrm	hypo	CHH	-0.0401
Gm05	25032535	25033533	Gmdrm	hypo	CHH	-0.0545
Gm05	25033536	25034536	Gmdrm	hypo	CHH	-0.0475
Gm05	25034543	25035536	Gmdrm	hypo	CHH	-0.0788
Gm05	25040219	25041217	Gmdrm	hypo	CHH	-0.0233
Gm05	25041232	25042221	Gmdrm	hypo	CHH	-0.018
Gm05	25044232	25045227	Gmdrm	hypo	CHH	-0.0231
Gm05	25045238	25045745	Gmdrm	hypo	CHH	-0.0542

Gm05	25053311	25053948	Gmdrm	hypo	CHH	-0.0335
Gm05	25057959	25058950	Gmdrm	hypo	CHH	-0.1126
Gm05	25131287	25132287	Gmdrm	hypo	CHH	-0.0338
Gm05	25150364	25151364	Gmdrm	hypo	CHH	-0.0595
Gm05	25151371	25152370	Gmdrm	hypo	CHH	-0.0977
Gm05	25156303	25157300	Gmdrm	hypo	CHH	-0.0266
Gm05	25158324	25159256	Gmdrm	hypo	CHH	-0.0593
Gm05	25284117	25285110	Gmdrm	hypo	CHH	-0.0497
Gm05	25291869	25292854	Gmdrm	hypo	CHH	-0.0167
Gm05	25443542	25444214	Gmdrm	hypo	CHH	-0.0424
Gm05	25512558	25513538	Gmdrm	hypo	CHH	-0.0628
Gm05	25516587	25517409	Gmdrm	hypo	CHH	-0.0419
Gm05	25518776	25519088	Gmdrm	hypo	CHH	-0.0359
Gm05	25538272	25539270	Gmdrm	hypo	CHH	-0.014
Gm05	25553318	25553882	Gmdrm	hypo	CHH	-0.0379
Gm05	25559679	25560676	Gmdrm	hypo	CHH	-0.0283
Gm05	25560685	25561667	Gmdrm	hypo	CHH	-0.0326
Gm05	25566742	25567736	Gmdrm	hypo	CHH	-0.1386
Gm05	25594215	25595182	Gmdrm	hypo	CHH	-0.0278
Gm05	25611489	25612404	Gmdrm	hypo	CHH	-0.0433
Gm05	25672922	25673786	Gmdrm	hypo	CHH	-0.0191
Gm05	25675904	25676903	Gmdrm	hypo	CHH	-0.0218
Gm05	25681974	25682971	Gmdrm	hypo	CHH	-0.0179
Gm05	25698969	25699477	Gmdrm	hypo	CHH	-0.1718
Gm05	25701910	25702899	Gmdrm	hypo	CHH	-0.0393
Gm05	25702920	25703915	Gmdrm	hypo	CHH	-0.0351
Gm05	25703948	25704943	Gmdrm	hypo	CHH	-0.0145
Gm05	25704955	25705933	Gmdrm	hypo	CHH	-0.0306
Gm05	25705997	25706993	Gmdrm	hypo	CHH	-0.0195
Gm05	25708009	25708995	Gmdrm	hypo	CHH	-0.0227
Gm05	25709019	25710002	Gmdrm	hypo	CHH	-0.0467
Gm05	25720376	25721374	Gmdrm	hypo	CHH	-0.0236
Gm05	25739319	25740293	Gmdrm	hypo	CHH	-0.0463
Gm05	25744620	25745358	Gmdrm	hypo	CHH	-0.0166
Gm05	25810101	25811098	Gmdrm	hypo	CHH	-0.0331
Gm05	25811129	25812120	Gmdrm	hypo	CHH	-0.1062
Gm05	25812132	25813124	Gmdrm	hypo	CHH	-0.0166
Gm05	25813149	25814144	Gmdrm	hypo	CHH	-0.0255
Gm05	25814182	25814680	Gmdrm	hypo	CHH	-0.0606
Gm05	25814784	25815778	Gmdrm	hypo	CHH	-0.0334
Gm05	25829762	25830745	Gmdrm	hypo	CHH	-0.0156
Gm05	25830811	25831289	Gmdrm	hypo	CHH	-0.3464
Gm05	25833885	25834857	Gmdrm	hypo	CHH	-0.0562
Gm05	25834942	25835940	Gmdrm	hypo	CHH	-0.0233
Gm05	25845511	25846505	Gmdrm	hypo	CHH	-0.02
Gm05	25893691	25894528	Gmdrm	hypo	CHH	-0.0457

Gm05	25897673	25898670	Gmdrm	hypo	CHH	-0.109
Gm05	25898690	25899684	Gmdrm	hypo	CHH	-0.0178
Gm05	26038776	26039748	Gmdrm	hypo	CHH	-0.0177
Gm05	26101341	26102337	Gmdrm	hypo	CHH	-0.0174
Gm05	26102376	26103056	Gmdrm	hypo	CHH	-0.0183
Gm05	26103197	26104196	Gmdrm	hypo	CHH	-0.0222
Gm05	26150718	26151717	Gmdrm	hypo	CHH	-0.1161
Gm05	26154785	26155128	Gmdrm	hypo	CHH	-0.0415
Gm05	26164119	26165107	Gmdrm	hypo	CHH	-0.022
Gm05	26247717	26248715	Gmdrm	hypo	CHH	-0.0327
Gm05	26248741	26249727	Gmdrm	hypo	CHH	-0.0649
Gm05	26249758	26250756	Gmdrm	hypo	CHH	-0.0272
Gm05	26255797	26256794	Gmdrm	hypo	CHH	-0.0435
Gm05	26267484	26268465	Gmdrm	hypo	CHH	-0.0283
Gm05	26268514	26269513	Gmdrm	hypo	CHH	-0.022
Gm05	26280981	26281977	Gmdrm	hypo	CHH	-0.0321
Gm05	26287293	26288155	Gmdrm	hypo	CHH	-0.0418
Gm05	26316166	26317113	Gmdrm	hypo	CHH	-0.0612
Gm05	26317209	26318206	Gmdrm	hypo	CHH	-0.0387
Gm05	26319837	26320757	Gmdrm	hypo	CHH	-0.0393
Gm05	26378490	26379489	Gmdrm	hypo	CHH	-0.0421
Gm05	26380511	26381440	Gmdrm	hypo	CHH	-0.0873
Gm05	26384215	26385214	Gmdrm	hypo	CHH	-0.1621
Gm05	26385216	26386215	Gmdrm	hypo	CHH	-0.053
Gm05	26409688	26410286	Gmdrm	hypo	CHH	-0.0403
Gm05	26410643	26411489	Gmdrm	hypo	CHH	-0.084
Gm05	26412747	26413742	Gmdrm	hypo	CHH	-0.1089
Gm05	26443608	26444599	Gmdrm	hypo	CHH	-0.0145
Gm05	26448888	26449887	Gmdrm	hypo	CHH	-0.019
Gm05	26449922	26450919	Gmdrm	hypo	CHH	-0.0154
Gm05	26456990	26457980	Gmdrm	hypo	CHH	-0.0308
Gm05	26457992	26458962	Gmdrm	hypo	CHH	-0.0545
Gm05	26461761	26462759	Gmdrm	hypo	CHH	-0.0581
Gm05	26475908	26476897	Gmdrm	hypo	CHH	-0.0814
Gm05	26497789	26498789	Gmdrm	hypo	CHH	-0.143
Gm05	26498791	26499076	Gmdrm	hypo	CHH	-0.2905
Gm05	26521250	26522249	Gmdrm	hypo	CHH	-0.0214
Gm05	26532469	26533465	Gmdrm	hypo	CHH	-0.0357
Gm05	26534810	26535796	Gmdrm	hypo	CHH	-0.1085
Gm05	26540232	26541229	Gmdrm	hypo	CHH	-0.2971
Gm05	26541234	26542232	Gmdrm	hypo	CHH	-0.06
Gm05	26578294	26579216	Gmdrm	hypo	CHH	-0.0231
Gm05	26586656	26587654	Gmdrm	hypo	CHH	-0.0308
Gm05	26587667	26588428	Gmdrm	hypo	CHH	-0.162
Gm05	26588976	26589310	Gmdrm	hypo	CHH	-0.0433
Gm05	26589596	26590596	Gmdrm	hypo	CHH	-0.038

Gm05	26647711	26648703	Gmdrm	hypo	CHH	-0.0426
Gm05	26648714	26649700	Gmdrm	hypo	CHH	-0.0681
Gm05	26649724	26649838	Gmdrm	hypo	CHH	-0.0742
Gm05	26649974	26650970	Gmdrm	hypo	CHH	-0.1066
Gm05	26650988	26651969	Gmdrm	hypo	CHH	-0.1113
Gm05	26652508	26653508	Gmdrm	hypo	CHH	-0.0145
Gm05	26656238	26657204	Gmdrm	hypo	CHH	-0.0135
Gm05	26671181	26672173	Gmdrm	hypo	CHH	-0.0212
Gm05	26672186	26673185	Gmdrm	hypo	CHH	-0.0772
Gm05	26673187	26674185	Gmdrm	hypo	CHH	-0.0466
Gm05	26677259	26678252	Gmdrm	hypo	CHH	-0.0262
Gm05	26678264	26679244	Gmdrm	hypo	CHH	-0.0657
Gm05	26680268	26680570	Gmdrm	hypo	CHH	-0.0333
Gm05	26680802	26681792	Gmdrm	hypo	CHH	-0.0211
Gm05	26686966	26687924	Gmdrm	hypo	CHH	-0.0643
Gm05	26699245	26700244	Gmdrm	hypo	CHH	-0.0883
Gm05	26700249	26701247	Gmdrm	hypo	CHH	-0.0313
Gm05	26705604	26705828	Gmdrm	hypo	CHH	-0.04
Gm05	26747628	26748622	Gmdrm	hypo	CHH	-0.1696
Gm05	26749760	26750758	Gmdrm	hypo	CHH	-0.0796
Gm05	26801391	26801775	Gmdrm	hypo	CHH	-0.0318
Gm05	26808793	26809780	Gmdrm	hypo	CHH	-0.0618
Gm05	26811699	26812696	Gmdrm	hypo	CHH	-0.044
Gm05	26819986	26820810	Gmdrm	hypo	CHH	-0.023
Gm05	26821924	26822919	Gmdrm	hypo	CHH	-0.0227
Gm05	26822946	26823939	Gmdrm	hypo	CHH	-0.0138
Gm05	26830149	26831145	Gmdrm	hypo	CHH	-0.0294
Gm05	26832153	26832486	Gmdrm	hypo	CHH	-0.0605
Gm05	26869563	26870348	Gmdrm	hypo	CHH	-0.0634
Gm05	26891446	26892444	Gmdrm	hypo	CHH	-0.2104
Gm05	27054721	27055720	Gmdrm	hypo	CHH	-0.0564
Gm05	27055736	27056477	Gmdrm	hypo	CHH	-0.0509
Gm05	27057608	27058607	Gmdrm	hypo	CHH	-0.0232
Gm05	27071716	27072664	Gmdrm	hypo	CHH	-0.0868
Gm05	27080029	27080979	Gmdrm	hypo	CHH	-0.0994
Gm05	27085235	27086228	Gmdrm	hypo	CHH	-0.1298
Gm05	27092821	27093815	Gmdrm	hypo	CHH	-0.0301
Gm05	27112133	27113127	Gmdrm	hypo	CHH	-0.1248
Gm05	27122176	27123160	Gmdrm	hypo	CHH	-0.0598
Gm05	27128745	27129231	Gmdrm	hypo	CHH	-0.2232
Gm05	27134937	27135914	Gmdrm	hypo	CHH	-0.0645
Gm05	27151123	27152115	Gmdrm	hypo	CHH	-0.0226
Gm05	27154170	27154409	Gmdrm	hypo	CHH	-0.033
Gm05	27165085	27166038	Gmdrm	hypo	CHH	-0.0251
Gm05	27195782	27196764	Gmdrm	hypo	CHH	-0.1379
Gm05	27220031	27221015	Gmdrm	hypo	CHH	-0.0163

Gm05	27240735	27241292	Gmdrm	hypo	CHH	-0.0778
Gm05	27243420	27244420	Gmdrm	hypo	CHH	-0.0507
Gm05	27244445	27245439	Gmdrm	hypo	CHH	-0.0493
Gm05	27245448	27246447	Gmdrm	hypo	CHH	-0.0304
Gm05	27248462	27249445	Gmdrm	hypo	CHH	-0.0373
Gm05	27252039	27253038	Gmdrm	hypo	CHH	-0.0207
Gm05	27264034	27265034	Gmdrm	hypo	CHH	-0.0608
Gm05	27269381	27269515	Gmdrm	hypo	CHH	-0.192
Gm05	27286102	27287102	Gmdrm	hypo	CHH	-0.0507
Gm05	27289963	27290941	Gmdrm	hypo	CHH	-0.0622
Gm05	27313208	27314208	Gmdrm	hypo	CHH	-0.024
Gm05	27321189	27322179	Gmdrm	hypo	CHH	-0.0242
Gm05	27322205	27322961	Gmdrm	hypo	CHH	-0.0559
Gm05	27378014	27379009	Gmdrm	hypo	CHH	-0.0523
Gm05	27393571	27394571	Gmdrm	hypo	CHH	-0.0159
Gm05	27438912	27439911	Gmdrm	hypo	CHH	-0.0269
Gm05	27446907	27447900	Gmdrm	hypo	CHH	-0.0591
Gm05	27473714	27474714	Gmdrm	hypo	CHH	-0.0252
Gm05	27477327	27478319	Gmdrm	hypo	CHH	-0.108
Gm05	27521054	27522044	Gmdrm	hypo	CHH	-0.0271
Gm05	27523790	27524638	Gmdrm	hypo	CHH	-0.0707
Gm05	27532613	27533347	Gmdrm	hypo	CHH	-0.0404
Gm05	27536488	27537481	Gmdrm	hypo	CHH	-0.0333
Gm05	27539823	27540823	Gmdrm	hypo	CHH	-0.0267
Gm05	27540842	27541835	Gmdrm	hypo	CHH	-0.044
Gm05	27541846	27542840	Gmdrm	hypo	CHH	-0.0185
Gm05	27543895	27544473	Gmdrm	hypo	CHH	-0.0257
Gm05	27620618	27621592	Gmdrm	hypo	CHH	-0.0717
Gm05	27625827	27626827	Gmdrm	hypo	CHH	-0.0155
Gm05	27628745	27629740	Gmdrm	hypo	CHH	-0.0266
Gm05	27629753	27630735	Gmdrm	hypo	CHH	-0.1702
Gm05	27631771	27632749	Gmdrm	hypo	CHH	-0.0175
Gm05	27632786	27633555	Gmdrm	hypo	CHH	-0.0217
Gm05	27635954	27636954	Gmdrm	hypo	CHH	-0.0209
Gm05	27636956	27637650	Gmdrm	hypo	CHH	-0.1577
Gm05	27637803	27638800	Gmdrm	hypo	CHH	-0.0507
Gm05	27639814	27640507	Gmdrm	hypo	CHH	-0.042
Gm05	27650874	27651573	Gmdrm	hypo	CHH	-0.1563
Gm05	27651846	27652846	Gmdrm	hypo	CHH	-0.0781
Gm05	27656916	27657902	Gmdrm	hypo	CHH	-0.0678
Gm05	27660623	27661620	Gmdrm	hypo	CHH	-0.3333
Gm05	27661626	27662616	Gmdrm	hypo	CHH	-0.3368
Gm05	27662629	27663627	Gmdrm	hypo	CHH	-0.0717
Gm05	27668699	27669694	Gmdrm	hypo	CHH	-0.0615
Gm05	27673778	27674757	Gmdrm	hypo	CHH	-0.1755
Gm05	27678356	27679336	Gmdrm	hypo	CHH	-0.0713

Gm05	27707038	27708024	Gmdrm	hypo	CHH	-0.0328
Gm05	27708041	27708363	Gmdrm	hypo	CHH	-0.0263
Gm05	27720961	27721960	Gmdrm	hypo	CHH	-0.0237
Gm05	27725435	27726421	Gmdrm	hypo	CHH	-0.0353
Gm05	27746954	27747925	Gmdrm	hypo	CHH	-0.0856
Gm05	27813144	27814141	Gmdrm	hypo	CHH	-0.121
Gm05	27814169	27815169	Gmdrm	hypo	CHH	-0.1149
Gm05	27817215	27818131	Gmdrm	hypo	CHH	-0.051
Gm05	27829937	27830890	Gmdrm	hypo	CHH	-0.1579
Gm05	27830955	27831521	Gmdrm	hypo	CHH	-0.2112
Gm05	27833784	27834783	Gmdrm	hypo	CHH	-0.0151
Gm05	27834786	27835754	Gmdrm	hypo	CHH	-0.0662
Gm05	27840921	27841919	Gmdrm	hypo	CHH	-0.0584
Gm05	27841922	27842888	Gmdrm	hypo	CHH	-0.0527
Gm05	27843628	27844620	Gmdrm	hypo	CHH	-0.0182
Gm05	27850102	27851101	Gmdrm	hypo	CHH	-0.0746
Gm05	27851105	27852104	Gmdrm	hypo	CHH	-0.0545
Gm05	27865539	27866505	Gmdrm	hypo	CHH	-0.0165
Gm05	27885135	27886135	Gmdrm	hypo	CHH	-0.0316
Gm05	27894343	27895335	Gmdrm	hypo	CHH	-0.0429
Gm05	27901887	27902849	Gmdrm	hypo	CHH	-0.0176
Gm05	27907747	27908745	Gmdrm	hypo	CHH	-0.0792
Gm05	27915585	27916582	Gmdrm	hypo	CHH	-0.1098
Gm05	27933250	27934238	Gmdrm	hypo	CHH	-0.0472
Gm05	27940078	27941067	Gmdrm	hypo	CHH	-0.0934
Gm05	27951059	27952041	Gmdrm	hypo	CHH	-0.0166
Gm05	27954123	27955114	Gmdrm	hypo	CHH	-0.0346
Gm05	28019654	28020633	Gmdrm	hypo	CHH	-0.0422
Gm05	28027103	28028094	Gmdrm	hypo	CHH	-0.1871
Gm05	28054703	28055630	Gmdrm	hypo	CHH	-0.0108
Gm05	28062512	28063495	Gmdrm	hypo	CHH	-0.0553
Gm05	28064517	28065505	Gmdrm	hypo	CHH	-0.0739
Gm05	28071732	28072731	Gmdrm	hypo	CHH	-0.056
Gm05	28097340	28098339	Gmdrm	hypo	CHH	-0.0437
Gm05	28098354	28099337	Gmdrm	hypo	CHH	-0.0395
Gm05	28125348	28125908	Gmdrm	hypo	CHH	-0.0614
Gm05	28160837	28161816	Gmdrm	hypo	CHH	-0.1981
Gm05	28192214	28192950	Gmdrm	hypo	CHH	-0.0277
Gm05	28193066	28194063	Gmdrm	hypo	CHH	-0.0395
Gm05	28303959	28304920	Gmdrm	hypo	CHH	-0.0172
Gm05	28304985	28305980	Gmdrm	hypo	CHH	-0.0209
Gm05	28309091	28309201	Gmdrm	hypo	CHH	-0.0727
Gm05	28315120	28316119	Gmdrm	hypo	CHH	-0.0257
Gm05	28317164	28317898	Gmdrm	hypo	CHH	-0.0577
Gm05	28331158	28332153	Gmdrm	hypo	CHH	-0.0776
Gm05	28333162	28333838	Gmdrm	hypo	CHH	-0.0839

Gm05	28333961	28334291	Gmdrm	hypo	CHH	-0.1504
Gm05	28335442	28336097	Gmdrm	hypo	CHH	-0.1289
Gm05	28337479	28338436	Gmdrm	hypo	CHH	-0.061
Gm05	28348950	28349947	Gmdrm	hypo	CHH	-0.0407
Gm05	28349954	28350925	Gmdrm	hypo	CHH	-0.0227
Gm05	28352464	28353455	Gmdrm	hypo	CHH	-0.1304
Gm05	28353898	28354895	Gmdrm	hypo	CHH	-0.0517
Gm05	28380228	28381227	Gmdrm	hypo	CHH	-0.0402
Gm05	28381239	28382237	Gmdrm	hypo	CHH	-0.1065
Gm05	28390130	28391130	Gmdrm	hypo	CHH	-0.0843
Gm05	28391132	28391402	Gmdrm	hypo	CHH	-0.0579
Gm05	28442474	28443313	Gmdrm	hypo	CHH	-0.053
Gm05	28445337	28446333	Gmdrm	hypo	CHH	-0.0301
Gm05	28473080	28474061	Gmdrm	hypo	CHH	-0.0175
Gm05	28494885	28495184	Gmdrm	hypo	CHH	-0.037
Gm05	28495706	28496703	Gmdrm	hypo	CHH	-0.0106
Gm05	28552653	28553210	Gmdrm	hypo	CHH	-0.0491
Gm05	28557809	28558807	Gmdrm	hypo	CHH	-0.1697
Gm05	28558811	28559808	Gmdrm	hypo	CHH	-0.0109
Gm05	28559836	28560825	Gmdrm	hypo	CHH	-0.0229
Gm05	28569433	28570391	Gmdrm	hypo	CHH	-0.0334
Gm05	28570469	28571372	Gmdrm	hypo	CHH	-0.0249
Gm05	28586505	28587487	Gmdrm	hypo	CHH	-0.0357
Gm05	28587523	28588109	Gmdrm	hypo	CHH	-0.0178
Gm05	28591382	28592358	Gmdrm	hypo	CHH	-0.0157
Gm05	28595422	28596411	Gmdrm	hypo	CHH	-0.0449
Gm05	28597016	28597664	Gmdrm	hypo	CHH	-0.0603
Gm05	28597765	28598757	Gmdrm	hypo	CHH	-0.0473
Gm05	28598804	28599783	Gmdrm	hypo	CHH	-0.0337
Gm05	28609969	28610804	Gmdrm	hypo	CHH	-0.1469
Gm05	28610981	28611981	Gmdrm	hypo	CHH	-0.194
Gm05	28629225	28630197	Gmdrm	hypo	CHH	-0.0362
Gm05	28639100	28640094	Gmdrm	hypo	CHH	-0.0242
Gm05	28653702	28654427	Gmdrm	hypo	CHH	-0.1741
Gm05	28662585	28663507	Gmdrm	hypo	CHH	-0.0264
Gm05	28666671	28666718	Gmdrm	hypo	CHH	-0.095
Gm05	28666897	28667896	Gmdrm	hypo	CHH	-0.16
Gm05	28671578	28672557	Gmdrm	hypo	CHH	-0.0284
Gm05	28674348	28675336	Gmdrm	hypo	CHH	-0.0401
Gm05	28676357	28677357	Gmdrm	hypo	CHH	-0.0284
Gm05	28681388	28682388	Gmdrm	hypo	CHH	-0.0358
Gm05	28699081	28700073	Gmdrm	hypo	CHH	-0.0226
Gm05	28701092	28702089	Gmdrm	hypo	CHH	-0.0508
Gm05	28707143	28708133	Gmdrm	hypo	CHH	-0.0371
Gm05	28708149	28709143	Gmdrm	hypo	CHH	-0.1668
Gm05	28709353	28709910	Gmdrm	hypo	CHH	-0.1012

Gm05	28712948	28713930	Gmdrm	hypo	CHH	-0.0992
Gm05	28720837	28721833	Gmdrm	hypo	CHH	-0.013
Gm05	28735938	28736935	Gmdrm	hypo	CHH	-0.0195
Gm05	28747226	28748223	Gmdrm	hypo	CHH	-0.0295
Gm05	28748227	28748505	Gmdrm	hypo	CHH	-0.0238
Gm05	28793293	28794289	Gmdrm	hypo	CHH	-0.02
Gm05	28794308	28795308	Gmdrm	hypo	CHH	-0.0213
Gm05	28798358	28799310	Gmdrm	hypo	CHH	-0.0223
Gm05	28801399	28801709	Gmdrm	hypo	CHH	-0.0434
Gm05	28803830	28804102	Gmdrm	hypo	CHH	-0.0268
Gm05	28804679	28804823	Gmdrm	hypo	CHH	-0.0391
Gm05	28820030	28820417	Gmdrm	hypo	CHH	-0.022
Gm05	28845286	28846273	Gmdrm	hypo	CHH	-0.0405
Gm05	28865909	28866865	Gmdrm	hypo	CHH	-0.0695
Gm05	28881237	28882235	Gmdrm	hypo	CHH	-0.0488
Gm05	28889930	28890915	Gmdrm	hypo	CHH	-0.018
Gm05	28892989	28893974	Gmdrm	hypo	CHH	-0.0249
Gm05	28893990	28894985	Gmdrm	hypo	CHH	-0.0144
Gm05	28899600	28900593	Gmdrm	hypo	CHH	-0.0587
Gm05	28968067	28969055	Gmdrm	hypo	CHH	-0.0885
Gm05	28969068	28970036	Gmdrm	hypo	CHH	-0.0282
Gm05	28972151	28973135	Gmdrm	hypo	CHH	-0.0531
Gm05	28988289	28989281	Gmdrm	hypo	CHH	-0.0496
Gm05	28994040	28995030	Gmdrm	hypo	CHH	-0.0631
Gm05	28995042	28995130	Gmdrm	hypo	CHH	-0.1419
Gm05	29002265	29003252	Gmdrm	hypo	CHH	-0.0391
Gm05	29005278	29006277	Gmdrm	hypo	CHH	-0.0744
Gm05	29011668	29012148	Gmdrm	hypo	CHH	-0.0438
Gm05	29012288	29012630	Gmdrm	hypo	CHH	-0.1915
Gm05	29059290	29059535	Gmdrm	hypo	CHH	-0.1493
Gm05	29069773	29070769	Gmdrm	hypo	CHH	-0.0649
Gm05	29112177	29113166	Gmdrm	hypo	CHH	-0.0123
Gm05	29113188	29114164	Gmdrm	hypo	CHH	-0.1444
Gm05	29133999	29134977	Gmdrm	hypo	CHH	-0.0256
Gm05	29137332	29137839	Gmdrm	hypo	CHH	-0.0372
Gm05	29141919	29142915	Gmdrm	hypo	CHH	-0.0563
Gm05	29143921	29144917	Gmdrm	hypo	CHH	-0.0502
Gm05	29156106	29156743	Gmdrm	hypo	CHH	-0.0173
Gm05	29157093	29157462	Gmdrm	hypo	CHH	-0.0283
Gm05	29195791	29196767	Gmdrm	hypo	CHH	-0.045
Gm05	29198885	29199885	Gmdrm	hypo	CHH	-0.0153
Gm05	29238420	29239417	Gmdrm	hypo	CHH	-0.078
Gm05	29242899	29243894	Gmdrm	hypo	CHH	-0.0184
Gm05	29243902	29244900	Gmdrm	hypo	CHH	-0.0563
Gm05	29259889	29260887	Gmdrm	hypo	CHH	-0.0679
Gm05	29261910	29262251	Gmdrm	hypo	CHH	-0.0637

Gm05	29262911	29263909	Gmdrm	hypo	CHH	-0.0582
Gm05	29277980	29278863	Gmdrm	hypo	CHH	-0.0202
Gm05	29278967	29279964	Gmdrm	hypo	CHH	-0.0517
Gm05	29279972	29280802	Gmdrm	hypo	CHH	-0.0581
Gm05	29303121	29304120	Gmdrm	hypo	CHH	-0.0669
Gm05	29305551	29306545	Gmdrm	hypo	CHH	-0.0284
Gm05	29313436	29314421	Gmdrm	hypo	CHH	-0.0196
Gm05	29323069	29324066	Gmdrm	hypo	CHH	-0.0485
Gm05	29324070	29325060	Gmdrm	hypo	CHH	-0.0932
Gm05	29338659	29339649	Gmdrm	hypo	CHH	-0.0478
Gm05	29376695	29377676	Gmdrm	hypo	CHH	-0.0427
Gm05	29377705	29378522	Gmdrm	hypo	CHH	-0.0912
Gm05	29423631	29424628	Gmdrm	hypo	CHH	-0.0354
Gm05	29520930	29521922	Gmdrm	hypo	CHH	-0.0508
Gm05	29521937	29522508	Gmdrm	hypo	CHH	-0.0432
Gm05	29526397	29527397	Gmdrm	hypo	CHH	-0.0422
Gm05	29553618	29554617	Gmdrm	hypo	CHH	-0.0313
Gm05	29569579	29570548	Gmdrm	hypo	CHH	-0.0255
Gm05	29623447	29624443	Gmdrm	hypo	CHH	-0.0204
Gm05	29631834	29632806	Gmdrm	hypo	CHH	-0.0143
Gm05	29633870	29634858	Gmdrm	hypo	CHH	-0.0149
Gm05	29634877	29635873	Gmdrm	hypo	CHH	-0.0306
Gm05	29661121	29662113	Gmdrm	hypo	CHH	-0.0591
Gm05	29671188	29672173	Gmdrm	hypo	CHH	-0.037
Gm05	29675194	29676121	Gmdrm	hypo	CHH	-0.0168
Gm05	29679407	29680407	Gmdrm	hypo	CHH	-0.1035
Gm05	29687172	29688167	Gmdrm	hypo	CHH	-0.0289
Gm05	29688213	29689197	Gmdrm	hypo	CHH	-0.0216
Gm05	29728594	29729583	Gmdrm	hypo	CHH	-0.0434
Gm05	29729613	29730613	Gmdrm	hypo	CHH	-0.0255
Gm05	29748682	29749680	Gmdrm	hypo	CHH	-0.0117
Gm05	29749686	29750057	Gmdrm	hypo	CHH	-0.0322
Gm05	29760132	29761064	Gmdrm	hypo	CHH	-0.0235
Gm05	29767365	29768346	Gmdrm	hypo	CHH	-0.0151
Gm05	29768372	29769372	Gmdrm	hypo	CHH	-0.0115
Gm05	29769377	29770377	Gmdrm	hypo	CHH	-0.0196
Gm05	29771383	29772379	Gmdrm	hypo	CHH	-0.0628
Gm05	29780517	29781504	Gmdrm	hypo	CHH	-0.0396
Gm05	29785854	29786847	Gmdrm	hypo	CHH	-0.0181
Gm05	29786860	29787860	Gmdrm	hypo	CHH	-0.1247
Gm05	29787861	29788861	Gmdrm	hypo	CHH	-0.0963
Gm05	29788865	29789855	Gmdrm	hypo	CHH	-0.0134
Gm05	29795284	29796253	Gmdrm	hypo	CHH	-0.0161
Gm05	29810797	29810898	Gmdrm	hypo	CHH	-0.0529
Gm05	29813018	29814018	Gmdrm	hypo	CHH	-0.0852
Gm05	29830393	29831381	Gmdrm	hypo	CHH	-0.0764

Gm05	29831394	29832337	Gmdrm	hypo	CHH	-0.0586
Gm05	29842478	29843475	Gmdrm	hypo	CHH	-0.0282
Gm05	29864886	29865885	Gmdrm	hypo	CHH	-0.1059
Gm05	29870682	29871681	Gmdrm	hypo	CHH	-0.0158
Gm05	29872951	29873938	Gmdrm	hypo	CHH	-0.0392
Gm05	29885608	29886348	Gmdrm	hypo	CHH	-0.0583
Gm05	29887500	29888494	Gmdrm	hypo	CHH	-0.0139
Gm05	29890554	29891554	Gmdrm	hypo	CHH	-0.0227
Gm05	29891556	29892554	Gmdrm	hypo	CHH	-0.0712
Gm05	29892564	29893561	Gmdrm	hypo	CHH	-0.0344
Gm05	29922363	29923345	Gmdrm	hypo	CHH	-0.0189
Gm05	29925405	29926391	Gmdrm	hypo	CHH	-0.0798
Gm05	29962868	29963706	Gmdrm	hypo	CHH	-0.2246
Gm05	29972531	29973162	Gmdrm	hypo	CHH	-0.037
Gm05	29983522	29984511	Gmdrm	hypo	CHH	-0.0265
Gm05	29987459	29988432	Gmdrm	hypo	CHH	-0.0121
Gm05	29997707	29998702	Gmdrm	hypo	CHH	-0.0194
Gm05	29998716	29999101	Gmdrm	hypo	CHH	-0.0738
Gm05	29999262	30000257	Gmdrm	hypo	CHH	-0.0305
Gm05	30000695	30001683	Gmdrm	hypo	CHH	-0.0751
Gm05	30002719	30003719	Gmdrm	hypo	CHH	-0.0428
Gm05	30035610	30036578	Gmdrm	hypo	CHH	-0.0356
Gm05	30044776	30045772	Gmdrm	hypo	CHH	-0.3499
Gm05	30046183	30047178	Gmdrm	hypo	CHH	-0.01
Gm05	30059135	30060135	Gmdrm	hypo	CHH	-0.1745
Gm05	30062242	30062317	Gmdrm	hypo	CHH	-0.0236
Gm05	30103188	30104187	Gmdrm	hypo	CHH	-0.1295
Gm05	30109947	30110936	Gmdrm	hypo	CHH	-0.0674
Gm05	30113716	30114690	Gmdrm	hypo	CHH	-0.031
Gm05	30120135	30120992	Gmdrm	hypo	CHH	-0.0975
Gm05	30121602	30121659	Gmdrm	hypo	CHH	-0.1271
Gm05	30127831	30128173	Gmdrm	hypo	CHH	-0.0918
Gm05	30135413	30136407	Gmdrm	hypo	CHH	-0.0569
Gm05	30137491	30138463	Gmdrm	hypo	CHH	-0.0124
Gm05	30139501	30140501	Gmdrm	hypo	CHH	-0.0412
Gm05	30140503	30141498	Gmdrm	hypo	CHH	-0.0939
Gm05	30141507	30142000	Gmdrm	hypo	CHH	-0.0917
Gm05	30142131	30142997	Gmdrm	hypo	CHH	-0.019
Gm05	30144196	30145190	Gmdrm	hypo	CHH	-0.0473
Gm05	30151474	30152342	Gmdrm	hypo	CHH	-0.0357
Gm05	30192924	30193901	Gmdrm	hypo	CHH	-0.0619
Gm05	30212256	30212721	Gmdrm	hypo	CHH	-0.0835
Gm05	30257687	30258636	Gmdrm	hypo	CHH	-0.0458
Gm05	30260471	30261379	Gmdrm	hypo	CHH	-0.0156
Gm05	30261473	30262471	Gmdrm	hypo	CHH	-0.0552
Gm05	30279970	30280951	Gmdrm	hypo	CHH	-0.0248

Gm05	30281617	30282609	Gmdrm	hypo	CHH	-0.0316
Gm05	30285503	30286485	Gmdrm	hypo	CHH	-0.0451
Gm05	30288213	30288265	Gmdrm	hypo	CHH	-0.0515
Gm05	30299248	30300229	Gmdrm	hypo	CHH	-0.0879
Gm05	30301309	30302298	Gmdrm	hypo	CHH	-0.0249
Gm05	30325938	30326935	Gmdrm	hypo	CHH	-0.0146
Gm05	30328345	30329336	Gmdrm	hypo	CHH	-0.089
Gm05	30329370	30330348	Gmdrm	hypo	CHH	-0.0378
Gm05	30337631	30338328	Gmdrm	hypo	CHH	-0.0588
Gm05	30338845	30339769	Gmdrm	hypo	CHH	-0.0623
Gm05	30343975	30344975	Gmdrm	hypo	CHH	-0.0545
Gm05	30347646	30348066	Gmdrm	hypo	CHH	-0.0488
Gm05	30348673	30349672	Gmdrm	hypo	CHH	-0.0502
Gm05	30349675	30350675	Gmdrm	hypo	CHH	-0.0616
Gm05	30350682	30350914	Gmdrm	hypo	CHH	-0.0627
Gm05	30376703	30377703	Gmdrm	hypo	CHH	-0.044
Gm05	30378709	30379698	Gmdrm	hypo	CHH	-0.0195
Gm05	30381806	30382799	Gmdrm	hypo	CHH	-0.1268
Gm05	30386462	30387459	Gmdrm	hypo	CHH	-0.0262
Gm05	30388488	30389162	Gmdrm	hypo	CHH	-0.0183
Gm05	30389338	30390326	Gmdrm	hypo	CHH	-0.0875
Gm05	30390350	30391306	Gmdrm	hypo	CHH	-0.0356
Gm05	30402628	30403627	Gmdrm	hypo	CHH	-0.0455
Gm05	30409904	30410901	Gmdrm	hypo	CHH	-0.0563
Gm05	30476931	30477919	Gmdrm	hypo	CHH	-0.0316
Gm05	30477941	30478922	Gmdrm	hypo	CHH	-0.0181
Gm05	30481897	30482887	Gmdrm	hypo	CHH	-0.0167
Gm05	30502191	30503150	Gmdrm	hypo	CHH	-0.0674
Gm05	30503203	30504199	Gmdrm	hypo	CHH	-0.0284
Gm05	30507464	30508252	Gmdrm	hypo	CHH	-0.0536
Gm05	30508604	30509553	Gmdrm	hypo	CHH	-0.0422
Gm05	30510263	30510988	Gmdrm	hypo	CHH	-0.1
Gm05	30511110	30512099	Gmdrm	hypo	CHH	-0.1067
Gm05	30512112	30513109	Gmdrm	hypo	CHH	-0.1853
Gm05	30513126	30514118	Gmdrm	hypo	CHH	-0.082
Gm05	30514130	30515129	Gmdrm	hypo	CHH	-0.126
Gm05	30530595	30531590	Gmdrm	hypo	CHH	-0.0331
Gm05	30546200	30547196	Gmdrm	hypo	CHH	-0.1082
Gm05	30547208	30547678	Gmdrm	hypo	CHH	-0.0556
Gm05	30549156	30550128	Gmdrm	hypo	CHH	-0.0252
Gm05	30551232	30552227	Gmdrm	hypo	CHH	-0.1229
Gm05	30552233	30553231	Gmdrm	hypo	CHH	-0.032
Gm05	30588784	30589276	Gmdrm	hypo	CHH	-0.0478
Gm05	30604430	30605418	Gmdrm	hypo	CHH	-0.0713
Gm05	30612885	30613526	Gmdrm	hypo	CHH	-0.0766
Gm05	30614120	30615117	Gmdrm	hypo	CHH	-0.0342

Gm05	30627528	30628489	Gmdrm	hypo	CHH	-0.109
Gm05	30646259	30647252	Gmdrm	hypo	CHH	-0.0632
Gm05	30647272	30647752	Gmdrm	hypo	CHH	-0.0827
Gm05	30693391	30694388	Gmdrm	hypo	CHH	-0.0134
Gm05	30694395	30695394	Gmdrm	hypo	CHH	-0.0159
Gm05	30701413	30702411	Gmdrm	hypo	CHH	-0.0598
Gm05	30725143	30725773	Gmdrm	hypo	CHH	-0.0268
Gm05	30727214	30728203	Gmdrm	hypo	CHH	-0.1054
Gm05	30765981	30766599	Gmdrm	hypo	CHH	-0.0581
Gm05	30767255	30767422	Gmdrm	hypo	CHH	-0.0829
Gm05	30785284	30786223	Gmdrm	hypo	CHH	-0.1469
Gm05	30847268	30848256	Gmdrm	hypo	CHH	-0.0134
Gm05	30902456	30903442	Gmdrm	hypo	CHH	-0.0474
Gm05	30950754	30951301	Gmdrm	hypo	CHH	-0.04
Gm05	30988887	30989880	Gmdrm	hypo	CHH	-0.0328
Gm05	31003967	31004932	Gmdrm	hypo	CHH	-0.0336
Gm05	31005010	31006010	Gmdrm	hypo	CHH	-0.0759
Gm05	31006020	31007020	Gmdrm	hypo	CHH	-0.0494
Gm05	31007023	31008023	Gmdrm	hypo	CHH	-0.0801
Gm05	31008260	31009235	Gmdrm	hypo	CHH	-0.034
Gm05	31009266	31009839	Gmdrm	hypo	CHH	-0.0947
Gm05	31010970	31011951	Gmdrm	hypo	CHH	-0.0447
Gm05	31018777	31019734	Gmdrm	hypo	CHH	-0.0416
Gm05	31028735	31029422	Gmdrm	hypo	CHH	-0.1116
Gm05	31031619	31032614	Gmdrm	hypo	CHH	-0.0707
Gm05	31032881	31033606	Gmdrm	hypo	CHH	-0.0523
Gm05	31033741	31034234	Gmdrm	hypo	CHH	-0.1098
Gm05	31034345	31035285	Gmdrm	hypo	CHH	-0.0965
Gm05	31036379	31037375	Gmdrm	hypo	CHH	-0.0395
Gm05	31037381	31038376	Gmdrm	hypo	CHH	-0.0749
Gm05	31038384	31039374	Gmdrm	hypo	CHH	-0.0289
Gm05	31039399	31040371	Gmdrm	hypo	CHH	-0.1284
Gm05	31041492	31042477	Gmdrm	hypo	CHH	-0.0801
Gm05	31042494	31043476	Gmdrm	hypo	CHH	-0.022
Gm05	31043526	31044158	Gmdrm	hypo	CHH	-0.1165
Gm05	31049462	31050089	Gmdrm	hypo	CHH	-0.0617
Gm05	31056506	31057504	Gmdrm	hypo	CHH	-0.0626
Gm05	31057507	31058120	Gmdrm	hypo	CHH	-0.0895
Gm05	31058472	31059466	Gmdrm	hypo	CHH	-0.1465
Gm05	31089329	31090281	Gmdrm	hypo	CHH	-0.0275
Gm05	31090333	31091328	Gmdrm	hypo	CHH	-0.0181
Gm05	31091342	31091654	Gmdrm	hypo	CHH	-0.0383
Gm05	31094732	31095681	Gmdrm	hypo	CHH	-0.0254
Gm05	31097529	31098253	Gmdrm	hypo	CHH	-0.0419
Gm05	31099638	31100628	Gmdrm	hypo	CHH	-0.043
Gm05	31107720	31108443	Gmdrm	hypo	CHH	-0.08

Gm05	31152833	31153831	Gmdrm	hypo	CHH	-0.0918
Gm05	31155842	31156840	Gmdrm	hypo	CHH	-0.0644
Gm05	31160547	31161545	Gmdrm	hypo	CHH	-0.0135
Gm05	31175218	31176184	Gmdrm	hypo	CHH	-0.0167
Gm05	31187000	31187959	Gmdrm	hypo	CHH	-0.019
Gm05	31191195	31192194	Gmdrm	hypo	CHH	-0.1244
Gm05	31210258	31211227	Gmdrm	hypo	CHH	-0.2767
Gm05	31211270	31212251	Gmdrm	hypo	CHH	-0.1217
Gm05	31212273	31213271	Gmdrm	hypo	CHH	-0.0598
Gm05	31224496	31224677	Gmdrm	hypo	CHH	-0.2876
Gm05	31224813	31225564	Gmdrm	hypo	CHH	-0.0522
Gm05	31225894	31226886	Gmdrm	hypo	CHH	-0.0821
Gm05	31228941	31229941	Gmdrm	hypo	CHH	-0.1377
Gm05	31232103	31233093	Gmdrm	hypo	CHH	-0.2223
Gm05	31233104	31234074	Gmdrm	hypo	CHH	-0.1014
Gm05	31234565	31235546	Gmdrm	hypo	CHH	-0.1458
Gm05	31237608	31238600	Gmdrm	hypo	CHH	-0.0267
Gm05	31238616	31239616	Gmdrm	hypo	CHH	-0.1062
Gm05	31246002	31246996	Gmdrm	hypo	CHH	-0.1496
Gm05	31247009	31247892	Gmdrm	hypo	CHH	-0.0242
Gm05	31262476	31263465	Gmdrm	hypo	CHH	-0.0184
Gm05	31263481	31264476	Gmdrm	hypo	CHH	-0.0749
Gm05	31272436	31273434	Gmdrm	hypo	CHH	-0.0377
Gm05	31273456	31273574	Gmdrm	hypo	CHH	-0.1028
Gm05	31283516	31284450	Gmdrm	hypo	CHH	-0.056
Gm05	31284522	31285512	Gmdrm	hypo	CHH	-0.0367
Gm05	31287551	31288087	Gmdrm	hypo	CHH	-0.0531
Gm05	31295202	31296199	Gmdrm	hypo	CHH	-0.1337
Gm05	31296204	31297202	Gmdrm	hypo	CHH	-0.1109
Gm05	31316027	31317007	Gmdrm	hypo	CHH	-0.089
Gm05	31333404	31334395	Gmdrm	hypo	CHH	-0.0302
Gm05	31335445	31336444	Gmdrm	hypo	CHH	-0.0623
Gm05	31337779	31338762	Gmdrm	hypo	CHH	-0.1411
Gm05	31340814	31341356	Gmdrm	hypo	CHH	-0.0181
Gm05	31342467	31343465	Gmdrm	hypo	CHH	-0.053
Gm05	31343471	31344150	Gmdrm	hypo	CHH	-0.1257
Gm05	31360947	31361279	Gmdrm	hypo	CHH	-0.0529
Gm05	31361381	31362031	Gmdrm	hypo	CHH	-0.4995
Gm05	31390144	31391135	Gmdrm	hypo	CHH	-0.0224
Gm05	31396024	31396304	Gmdrm	hypo	CHH	-0.0294
Gm05	31396410	31397182	Gmdrm	hypo	CHH	-0.1656
Gm05	31397438	31398436	Gmdrm	hypo	CHH	-0.1672
Gm05	31400498	31401471	Gmdrm	hypo	CHH	-0.0148
Gm05	31437408	31438366	Gmdrm	hypo	CHH	-0.0116
Gm05	31447019	31447992	Gmdrm	hypo	CHH	-0.0388
Gm05	31448053	31449030	Gmdrm	hypo	CHH	-0.0653

Gm05	31452067	31453066	Gmdrm	hypo	CHH	-0.0536
Gm05	31453071	31454067	Gmdrm	hypo	CHH	-0.0509
Gm05	31464029	31465023	Gmdrm	hypo	CHH	-0.0435
Gm05	31466046	31466934	Gmdrm	hypo	CHH	-0.0234
Gm05	31486116	31486680	Gmdrm	hypo	CHH	-0.0541
Gm05	31492483	31493483	Gmdrm	hypo	CHH	-0.0223
Gm05	31499189	31500177	Gmdrm	hypo	CHH	-0.0232
Gm05	31510168	31510871	Gmdrm	hypo	CHH	-0.0253
Gm05	31511878	31512828	Gmdrm	hypo	CHH	-0.0226
Gm05	31523202	31524199	Gmdrm	hypo	CHH	-0.0299
Gm05	31524205	31525205	Gmdrm	hypo	CHH	-0.0287
Gm05	31582813	31583813	Gmdrm	hypo	CHH	-0.0682
Gm05	31585861	31586344	Gmdrm	hypo	CHH	-0.0278
Gm05	31586446	31586707	Gmdrm	hypo	CHH	-0.0379
Gm05	31588004	31589003	Gmdrm	hypo	CHH	-0.1379
Gm05	31589011	31590006	Gmdrm	hypo	CHH	-0.0789
Gm05	31596254	31597179	Gmdrm	hypo	CHH	-0.0217
Gm05	31600060	31600749	Gmdrm	hypo	CHH	-0.0478
Gm05	31603150	31604150	Gmdrm	hypo	CHH	-0.0433
Gm05	31609434	31610424	Gmdrm	hypo	CHH	-0.0583
Gm05	31610439	31610578	Gmdrm	hypo	CHH	-0.1061
Gm05	31632914	31633710	Gmdrm	hypo	CHH	-0.0702
Gm05	31633812	31634812	Gmdrm	hypo	CHH	-0.0328
Gm05	31637858	31638852	Gmdrm	hypo	CHH	-0.0207
Gm05	31641726	31641810	Gmdrm	hypo	CHH	-0.0483
Gm05	31658029	31658283	Gmdrm	hypo	CHH	-0.0394
Gm05	31658753	31659751	Gmdrm	hypo	CHH	-0.0655
Gm05	31659758	31660745	Gmdrm	hypo	CHH	-0.0706
Gm05	31661752	31662743	Gmdrm	hypo	CHH	-0.0701
Gm05	31662754	31663743	Gmdrm	hypo	CHH	-0.0999
Gm05	31670332	31671317	Gmdrm	hypo	CHH	-0.0289
Gm05	31671345	31672316	Gmdrm	hypo	CHH	-0.0278
Gm05	31677153	31678094	Gmdrm	hypo	CHH	-0.04
Gm05	31685652	31686651	Gmdrm	hypo	CHH	-0.0374
Gm05	31692688	31693639	Gmdrm	hypo	CHH	-0.0691
Gm05	31693690	31694687	Gmdrm	hypo	CHH	-0.1833
Gm05	31703704	31703824	Gmdrm	hypo	CHH	-0.0367
Gm05	31715714	31716708	Gmdrm	hypo	CHH	-0.053
Gm05	31716724	31716892	Gmdrm	hypo	CHH	-0.2537
Gm05	31741329	31741959	Gmdrm	hypo	CHH	-0.0602
Gm05	31742611	31743611	Gmdrm	hypo	CHH	-0.0297
Gm05	31744216	31745215	Gmdrm	hypo	CHH	-0.0559
Gm05	31746683	31747681	Gmdrm	hypo	CHH	-0.1044
Gm05	31747691	31748691	Gmdrm	hypo	CHH	-0.065
Gm05	31748696	31749696	Gmdrm	hypo	CHH	-0.0497
Gm05	31749708	31750602	Gmdrm	hypo	CHH	-0.1921

Gm05	31751916	31752909	Gmdrm	hypo	CHH	-0.0212
Gm05	31773929	31774893	Gmdrm	hypo	CHH	-0.0166
Gm05	31777599	31778594	Gmdrm	hypo	CHH	-0.0246
Gm05	31785038	31785926	Gmdrm	hypo	CHH	-0.0114
Gm05	31787617	31787795	Gmdrm	hypo	CHH	-0.3957
Gm05	31793161	31794143	Gmdrm	hypo	CHH	-0.1717
Gm05	31794169	31795167	Gmdrm	hypo	CHH	-0.0539
Gm05	31801807	31802795	Gmdrm	hypo	CHH	-0.032
Gm05	31802819	31803815	Gmdrm	hypo	CHH	-0.0092
Gm05	31803856	31804350	Gmdrm	hypo	CHH	-0.0457
Gm05	31811584	31811940	Gmdrm	hypo	CHH	-0.0326
Gm05	31822862	31823859	Gmdrm	hypo	CHH	-0.0173
Gm05	31830903	31831879	Gmdrm	hypo	CHH	-0.0411
Gm05	31843609	31844605	Gmdrm	hypo	CHH	-0.0097
Gm05	31851811	31852793	Gmdrm	hypo	CHH	-0.0398
Gm05	31872164	31873162	Gmdrm	hypo	CHH	-0.0769
Gm05	31874186	31875184	Gmdrm	hypo	CHH	-0.0469
Gm05	31875188	31876184	Gmdrm	hypo	CHH	-0.0898
Gm05	31876425	31876734	Gmdrm	hypo	CHH	-0.0227
Gm05	31878920	31879295	Gmdrm	hypo	CHH	-0.3986
Gm05	31886128	31887090	Gmdrm	hypo	CHH	-0.0577
Gm05	31890365	31891312	Gmdrm	hypo	CHH	-0.1124
Gm05	31897298	31898244	Gmdrm	hypo	CHH	-0.1208
Gm05	31898304	31898587	Gmdrm	hypo	CHH	-0.034
Gm05	31900126	31901097	Gmdrm	hypo	CHH	-0.0189
Gm05	31904115	31905106	Gmdrm	hypo	CHH	-0.0192
Gm05	31907379	31908377	Gmdrm	hypo	CHH	-0.0367
Gm05	31908381	31908822	Gmdrm	hypo	CHH	-0.0524
Gm05	31926539	31927132	Gmdrm	hypo	CHH	-0.0326
Gm05	31927399	31928391	Gmdrm	hypo	CHH	-0.0771
Gm05	31931841	31932825	Gmdrm	hypo	CHH	-0.0132
Gm05	31934866	31935864	Gmdrm	hypo	CHH	-0.0365
Gm05	31935872	31936788	Gmdrm	hypo	CHH	-0.0346
Gm05	31952758	31953736	Gmdrm	hypo	CHH	-0.0677
Gm05	31956024	31957016	Gmdrm	hypo	CHH	-0.0438
Gm05	31957032	31958010	Gmdrm	hypo	CHH	-0.0228
Gm05	31959115	31960110	Gmdrm	hypo	CHH	-0.0153
Gm05	31968195	31969192	Gmdrm	hypo	CHH	-0.0793
Gm05	31977783	31978770	Gmdrm	hypo	CHH	-0.0102
Gm05	31991398	31992161	Gmdrm	hypo	CHH	-0.0125
Gm05	31993300	31994300	Gmdrm	hypo	CHH	-0.2642
Gm05	31994306	31995146	Gmdrm	hypo	CHH	-0.012
Gm05	31995252	31995502	Gmdrm	hypo	CHH	-0.0171
Gm05	31997054	31998053	Gmdrm	hypo	CHH	-0.1062
Gm05	32000073	32001070	Gmdrm	hypo	CHH	-0.0127
Gm05	32002090	32003079	Gmdrm	hypo	CHH	-0.1468

Gm05	32013188	32014170	Gmdrm	hypo	CHH	-0.0713
Gm05	32015988	32016967	Gmdrm	hypo	CHH	-0.0384
Gm05	32023509	32024504	Gmdrm	hypo	CHH	-0.0189
Gm05	32034437	32035435	Gmdrm	hypo	CHH	-0.0272
Gm05	32055764	32056757	Gmdrm	hypo	CHH	-0.0181
Gm05	32056782	32057776	Gmdrm	hypo	CHH	-0.1019
Gm05	32075278	32076277	Gmdrm	hypo	CHH	-0.1663
Gm05	32076283	32076729	Gmdrm	hypo	CHH	-0.4762
Gm05	32078009	32078995	Gmdrm	hypo	CHH	-0.1111
Gm05	32080548	32081536	Gmdrm	hypo	CHH	-0.0201
Gm05	32081560	32082557	Gmdrm	hypo	CHH	-0.0199
Gm05	32084609	32084676	Gmdrm	hypo	CHH	-0.0642
Gm05	32093442	32094441	Gmdrm	hypo	CHH	-0.0231
Gm05	32100009	32100500	Gmdrm	hypo	CHH	-0.0304
Gm05	32104859	32105815	Gmdrm	hypo	CHH	-0.0922
Gm05	32105882	32106849	Gmdrm	hypo	CHH	-0.0161
Gm05	32128762	32129505	Gmdrm	hypo	CHH	-0.1839
Gm05	32130329	32131323	Gmdrm	hypo	CHH	-0.0791
Gm05	32132650	32133009	Gmdrm	hypo	CHH	-0.0317
Gm05	32135160	32136127	Gmdrm	hypo	CHH	-0.0091
Gm05	32140890	32141885	Gmdrm	hypo	CHH	-0.0639
Gm05	32144257	32145225	Gmdrm	hypo	CHH	-0.115
Gm05	32154280	32155277	Gmdrm	hypo	CHH	-0.0272
Gm05	32155283	32156281	Gmdrm	hypo	CHH	-0.0824
Gm05	32162315	32163313	Gmdrm	hypo	CHH	-0.0461
Gm05	32183133	32184133	Gmdrm	hypo	CHH	-0.024
Gm05	32184142	32185141	Gmdrm	hypo	CHH	-0.0249
Gm05	32203206	32204203	Gmdrm	hypo	CHH	-0.0381
Gm05	32204208	32205196	Gmdrm	hypo	CHH	-0.1295
Gm05	32206257	32206876	Gmdrm	hypo	CHH	-0.1107
Gm05	32207124	32208104	Gmdrm	hypo	CHH	-0.1489
Gm05	32208860	32209723	Gmdrm	hypo	CHH	-0.0271
Gm05	32209837	32210119	Gmdrm	hypo	CHH	-0.0209
Gm05	32211200	32212197	Gmdrm	hypo	CHH	-0.0177
Gm05	32213226	32214226	Gmdrm	hypo	CHH	-0.1331
Gm05	32219120	32220117	Gmdrm	hypo	CHH	-0.186
Gm05	32228276	32228755	Gmdrm	hypo	CHH	-0.1153
Gm05	32228859	32229853	Gmdrm	hypo	CHH	-0.062
Gm05	32241752	32242745	Gmdrm	hypo	CHH	-0.0388
Gm05	32264738	32265730	Gmdrm	hypo	CHH	-0.0323
Gm05	32279257	32280255	Gmdrm	hypo	CHH	-0.0215
Gm05	32283626	32284188	Gmdrm	hypo	CHH	-0.0374
Gm05	32288605	32289590	Gmdrm	hypo	CHH	-0.0681
Gm05	32289609	32290608	Gmdrm	hypo	CHH	-0.0573
Gm05	32290610	32291598	Gmdrm	hypo	CHH	-0.0511
Gm05	32291614	32292611	Gmdrm	hypo	CHH	-0.0404

Gm05	32293633	32294630	Gmdrm	hypo	CHH	-0.0385
Gm05	32294640	32295624	Gmdrm	hypo	CHH	-0.034
Gm05	32317392	32318377	Gmdrm	hypo	CHH	-0.0168
Gm05	32329841	32330830	Gmdrm	hypo	CHH	-0.0293
Gm05	32331460	32331865	Gmdrm	hypo	CHH	-0.0607
Gm05	32339062	32340024	Gmdrm	hypo	CHH	-0.0748
Gm05	32341091	32342088	Gmdrm	hypo	CHH	-0.0125
Gm05	32344128	32345121	Gmdrm	hypo	CHH	-0.0521
Gm05	32346154	32347151	Gmdrm	hypo	CHH	-0.0744
Gm05	32350959	32351951	Gmdrm	hypo	CHH	-0.0239
Gm05	32357057	32358052	Gmdrm	hypo	CHH	-0.0499
Gm05	32358058	32359041	Gmdrm	hypo	CHH	-0.0743
Gm05	32359408	32360406	Gmdrm	hypo	CHH	-0.0123
Gm05	32360414	32360621	Gmdrm	hypo	CHH	-0.0589
Gm05	32360735	32361636	Gmdrm	hypo	CHH	-0.0188
Gm05	32372574	32373573	Gmdrm	hypo	CHH	-0.0768
Gm05	32378111	32379103	Gmdrm	hypo	CHH	-0.0685
Gm05	32380327	32381317	Gmdrm	hypo	CHH	-0.0872
Gm05	32382856	32383800	Gmdrm	hypo	CHH	-0.0635
Gm05	32388874	32389069	Gmdrm	hypo	CHH	-0.0678
Gm05	32393677	32394562	Gmdrm	hypo	CHH	-0.0142
Gm05	32411274	32412263	Gmdrm	hypo	CHH	-0.0215
Gm05	32413292	32414280	Gmdrm	hypo	CHH	-0.0297
Gm05	32414528	32414810	Gmdrm	hypo	CHH	-0.2011
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Gm05	32449840	32450295	Gmdrm	hypo	CHH	-0.0293
Gm05	32454152	32455135	Gmdrm	hypo	CHH	-0.0126
Gm05	32468552	32469532	Gmdrm	hypo	CHH	-0.1213
Gm05	32469553	32470543	Gmdrm	hypo	CHH	-0.0702
Gm05	32474132	32475119	Gmdrm	hypo	CHH	-0.0365
Gm05	32483204	32484195	Gmdrm	hypo	CHH	-0.0349
Gm05	32484207	32485203	Gmdrm	hypo	CHH	-0.0145
Gm05	32500143	32500456	Gmdrm	hypo	CHH	-0.11
Gm05	32504154	32505152	Gmdrm	hypo	CHH	-0.0279
Gm05	32515275	32516263	Gmdrm	hypo	CHH	-0.0212
Gm05	32519269	32519732	Gmdrm	hypo	CHH	-0.0828
Gm05	32539101	32540097	Gmdrm	hypo	CHH	-0.1046
Gm05	32540117	32541075	Gmdrm	hypo	CHH	-0.2956
Gm05	32542392	32542651	Gmdrm	hypo	CHH	-0.0787
Gm05	32552247	32553234	Gmdrm	hypo	CHH	-0.0122
Gm05	32553608	32554150	Gmdrm	hypo	CHH	-0.0174
Gm05	32560833	32561529	Gmdrm	hypo	CHH	-0.0267
Gm05	32561635	32562252	Gmdrm	hypo	CHH	-0.1865
Gm05	32562372	32563363	Gmdrm	hypo	CHH	-0.0658
Gm05	32563382	32563664	Gmdrm	hypo	CHH	-0.2836
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Gm05	32602120	32603093	Gmdrm	hypo	CHH	-0.2448
Gm05	32608139	32609138	Gmdrm	hypo	CHH	-0.0143
Gm05	32612735	32613187	Gmdrm	hypo	CHH	-0.0196
Gm05	32615778	32616774	Gmdrm	hypo	CHH	-0.012
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Gm05	32642250	32642794	Gmdrm	hypo	CHH	-0.0455
Gm05	32642932	32643275	Gmdrm	hypo	CHH	-0.0529
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Gm05	32653580	32653707	Gmdrm	hypo	CHH	-0.06
Gm05	32657076	32657633	Gmdrm	hypo	CHH	-0.055
Gm05	32657750	32658013	Gmdrm	hypo	CHH	-0.0493
Gm05	32668471	32669326	Gmdrm	hypo	CHH	-0.0534
Gm05	32671484	32672104	Gmdrm	hypo	CHH	-0.0221
Gm05	32674567	32674600	Gmdrm	hypo	CHH	-0.03
Gm05	32684869	32685476	Gmdrm	hypo	CHH	-0.0184
Gm05	32687628	32688626	Gmdrm	hypo	CHH	-0.018
Gm05	32689946	32690941	Gmdrm	hypo	CHH	-0.024
Gm05	32690948	32691938	Gmdrm	hypo	CHH	-0.0958
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Gm05	32699320	32699717	Gmdrm	hypo	CHH	-0.0333
Gm05	32714602	32714867	Gmdrm	hypo	CHH	-0.0232
Gm05	32721519	32722516	Gmdrm	hypo	CHH	-0.1179
Gm05	32722524	32723523	Gmdrm	hypo	CHH	-0.0564
Gm05	32723528	32724525	Gmdrm	hypo	CHH	-0.0827
Gm05	32733412	32734409	Gmdrm	hypo	CHH	-0.0203
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Gm05	32736956	32737954	Gmdrm	hypo	CHH	-0.0524
Gm05	32737957	32738953	Gmdrm	hypo	CHH	-0.077
Gm05	32745262	32746249	Gmdrm	hypo	CHH	-0.0239
Gm05	32748551	32749543	Gmdrm	hypo	CHH	-0.1549
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Gm05	32754734	32755679	Gmdrm	hypo	CHH	-0.0176
Gm05	32758978	32759770	Gmdrm	hypo	CHH	-0.0259
Gm05	32759882	32760879	Gmdrm	hypo	CHH	-0.0593
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Gm05	32764569	32765568	Gmdrm	hypo	CHH	-0.1518
Gm05	32765577	32766517	Gmdrm	hypo	CHH	-0.17
Gm05	32768611	32769610	Gmdrm	hypo	CHH	-0.181
Gm05	32779512	32779701	Gmdrm	hypo	CHH	-0.0886
Gm05	32786758	32787752	Gmdrm	hypo	CHH	-0.0334
Gm05	32795944	32796913	Gmdrm	hypo	CHH	-0.023
Gm05	32798516	32799498	Gmdrm	hypo	CHH	-0.2611
Gm05	32800079	32801079	Gmdrm	hypo	CHH	-0.0942
Gm05	32801081	32802077	Gmdrm	hypo	CHH	-0.045
Gm05	32802087	32803078	Gmdrm	hypo	CHH	-0.1202
Gm05	32803091	32803955	Gmdrm	hypo	CHH	-0.0265

Gm05	32805904	32806654	Gmdrm	hypo	CHH	-0.0261
Gm05	32831522	32832514	Gmdrm	hypo	CHH	-0.028
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Gm05	32833011	32833992	Gmdrm	hypo	CHH	-0.0211
Gm05	32834026	32834836	Gmdrm	hypo	CHH	-0.0381
Gm05	32838947	32839134	Gmdrm	hypo	CHH	-0.0189
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Gm05	32847306	32847584	Gmdrm	hypo	CHH	-0.0748
Gm05	32848120	32849120	Gmdrm	hypo	CHH	-0.0305
Gm05	32849136	32850124	Gmdrm	hypo	CHH	-0.0515
Gm05	32853075	32854066	Gmdrm	hypo	CHH	-0.03
Gm05	32854648	32855014	Gmdrm	hypo	CHH	-0.0728
Gm05	32856935	32857924	Gmdrm	hypo	CHH	-0.1814
Gm05	32857948	32858947	Gmdrm	hypo	CHH	-0.1638
Gm05	32858949	32859911	Gmdrm	hypo	CHH	-0.0505
Gm05	32859973	32860972	Gmdrm	hypo	CHH	-0.0806
Gm05	32860978	32861422	Gmdrm	hypo	CHH	-0.0393
Gm05	32862559	32863554	Gmdrm	hypo	CHH	-0.1124
Gm05	32863562	32864560	Gmdrm	hypo	CHH	-0.188
Gm05	32867609	32868602	Gmdrm	hypo	CHH	-0.0241
Gm05	32872184	32873177	Gmdrm	hypo	CHH	-0.0139
Gm05	32878259	32878922	Gmdrm	hypo	CHH	-0.019
Gm05	32883625	32884624	Gmdrm	hypo	CHH	-0.1086
Gm05	32884637	32885627	Gmdrm	hypo	CHH	-0.1183
Gm05	32890638	32891598	Gmdrm	hypo	CHH	-0.0129
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Gm05	32903342	32904340	Gmdrm	hypo	CHH	-0.0171
Gm05	32907291	32908278	Gmdrm	hypo	CHH	-0.0557
Gm05	32924683	32925683	Gmdrm	hypo	CHH	-0.0595
Gm05	32939896	32940896	Gmdrm	hypo	CHH	-0.0147
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Gm05	32950688	32951686	Gmdrm	hypo	CHH	-0.0958
Gm05	32951690	32952264	Gmdrm	hypo	CHH	-0.2044
Gm05	32952387	32953219	Gmdrm	hypo	CHH	-0.0209
Gm05	32953337	32954329	Gmdrm	hypo	CHH	-0.0599
Gm05	32955680	32956665	Gmdrm	hypo	CHH	-0.0208
Gm05	32958600	32959599	Gmdrm	hypo	CHH	-0.0844
Gm05	32975033	32975998	Gmdrm	hypo	CHH	-0.019
Gm05	32981122	32982122	Gmdrm	hypo	CHH	-0.0247
Gm05	32982129	32983117	Gmdrm	hypo	CHH	-0.09
Gm05	32983142	32984140	Gmdrm	hypo	CHH	-0.0249
Gm05	32985689	32986667	Gmdrm	hypo	CHH	-0.0707
Gm05	32996428	32997047	Gmdrm	hypo	CHH	-0.0537
Gm05	33001955	33002952	Gmdrm	hypo	CHH	-0.016
Gm05	33004437	33005435	Gmdrm	hypo	CHH	-0.0189
Gm05	33011982	33012955	Gmdrm	hypo	CHH	-0.1988

Gm05	33016238	33017236	Gmdrm	hypo	CHH	-0.0175
Gm05	33045105	33045705	Gmdrm	hypo	CHH	-0.0225
Gm05	33046691	33047672	Gmdrm	hypo	CHH	-0.025
Gm05	33049349	33050153	Gmdrm	hypo	CHH	-0.1004
Gm05	33057256	33058254	Gmdrm	hypo	CHH	-0.2502
Gm05	33081202	33081302	Gmdrm	hypo	CHH	-0.034
Gm05	33091697	33092693	Gmdrm	hypo	CHH	-0.0143
Gm05	33093704	33094696	Gmdrm	hypo	CHH	-0.0291
Gm05	33096730	33097723	Gmdrm	hypo	CHH	-0.021
Gm05	33111340	33112332	Gmdrm	hypo	CHH	-0.0538
Gm05	33117001	33117295	Gmdrm	hypo	CHH	-0.0388
Gm05	33128795	33129768	Gmdrm	hypo	CHH	-0.0368
Gm05	33138340	33139334	Gmdrm	hypo	CHH	-0.1
Gm05	33139341	33140313	Gmdrm	hypo	CHH	-0.032
Gm05	33150083	33151072	Gmdrm	hypo	CHH	-0.0624
Gm05	33160088	33161080	Gmdrm	hypo	CHH	-0.0238
Gm05	33174097	33174283	Gmdrm	hypo	CHH	-0.0395
Gm05	33175413	33176383	Gmdrm	hypo	CHH	-0.0158
Gm05	33184635	33185233	Gmdrm	hypo	CHH	-0.2482
Gm05	33190758	33191236	Gmdrm	hypo	CHH	-0.0405
Gm05	33194340	33195312	Gmdrm	hypo	CHH	-0.0114
Gm05	33196448	33197229	Gmdrm	hypo	CHH	-0.0358
Gm05	33205012	33205447	Gmdrm	hypo	CHH	-0.0233
Gm05	33208622	33209616	Gmdrm	hypo	CHH	-0.1133
Gm05	33225819	33226504	Gmdrm	hypo	CHH	-0.0178
Gm05	33239264	33240233	Gmdrm	hypo	CHH	-0.0137
Gm05	33242540	33243533	Gmdrm	hypo	CHH	-0.0687
Gm05	33243541	33244537	Gmdrm	hypo	CHH	-0.046
Gm05	33244549	33245546	Gmdrm	hypo	CHH	-0.1465
Gm05	33245573	33246572	Gmdrm	hypo	CHH	-0.0215
Gm05	33265715	33266704	Gmdrm	hypo	CHH	-0.0141
Gm05	33269486	33270049	Gmdrm	hypo	CHH	-0.0244
Gm05	33273714	33274710	Gmdrm	hypo	CHH	-0.0212
Gm05	33276824	33277449	Gmdrm	hypo	CHH	-0.3023
Gm05	33277728	33278712	Gmdrm	hypo	CHH	-0.1419
Gm05	33278739	33279735	Gmdrm	hypo	CHH	-0.1587
Gm05	33283039	33284035	Gmdrm	hypo	CHH	-0.0175
Gm05	33289651	33290631	Gmdrm	hypo	CHH	-0.0139
Gm05	33290870	33291863	Gmdrm	hypo	CHH	-0.2514
Gm05	33291871	33292854	Gmdrm	hypo	CHH	-0.0961
Gm05	33293894	33294887	Gmdrm	hypo	CHH	-0.0113
Gm05	33298977	33299976	Gmdrm	hypo	CHH	-0.1524
Gm05	33299985	33300941	Gmdrm	hypo	CHH	-0.1315
Gm05	33302035	33302440	Gmdrm	hypo	CHH	-0.1064
Gm05	33306717	33307686	Gmdrm	hypo	CHH	-0.2711
Gm05	33308648	33309103	Gmdrm	hypo	CHH	-0.1161

Gm05	33323406	33324332	Gmdrm	hypo	CHH	-0.0254
Gm05	33340519	33341513	Gmdrm	hypo	CHH	-0.0935
Gm05	33341520	33342013	Gmdrm	hypo	CHH	-0.1142
Gm05	33343173	33343541	Gmdrm	hypo	CHH	-0.0279
Gm05	33345240	33346239	Gmdrm	hypo	CHH	-0.1996
Gm05	33346247	33347240	Gmdrm	hypo	CHH	-0.1167
Gm05	33347249	33348238	Gmdrm	hypo	CHH	-0.1229
Gm05	33355359	33356355	Gmdrm	hypo	CHH	-0.0281
Gm05	33358939	33359883	Gmdrm	hypo	CHH	-0.1674
Gm05	33360977	33361964	Gmdrm	hypo	CHH	-0.0519
Gm05	33378494	33379490	Gmdrm	hypo	CHH	-0.0649
Gm05	33381837	33381906	Gmdrm	hypo	CHH	-0.0607
Gm05	33382209	33383206	Gmdrm	hypo	CHH	-0.1684
Gm05	33390765	33391760	Gmdrm	hypo	CHH	-0.0249
Gm05	33398851	33399840	Gmdrm	hypo	CHH	-0.0121
Gm05	33401821	33402816	Gmdrm	hypo	CHH	-0.0563
Gm05	33406907	33407878	Gmdrm	hypo	CHH	-0.0103
Gm05	33407914	33408912	Gmdrm	hypo	CHH	-0.0512
Gm05	33408921	33409921	Gmdrm	hypo	CHH	-0.1418
Gm05	33411796	33412277	Gmdrm	hypo	CHH	-0.0372
Gm05	33428436	33429435	Gmdrm	hypo	CHH	-0.0336
Gm05	33440923	33441310	Gmdrm	hypo	CHH	-0.0512
Gm05	33446055	33446500	Gmdrm	hypo	CHH	-0.1902
Gm05	33461118	33462111	Gmdrm	hypo	CHH	-0.0139
Gm05	33484339	33485339	Gmdrm	hypo	CHH	-0.1319
Gm05	33485347	33486328	Gmdrm	hypo	CHH	-0.076
Gm05	33486348	33486682	Gmdrm	hypo	CHH	-0.0469
Gm05	33487212	33487295	Gmdrm	hypo	CHH	-0.056
Gm05	33489430	33490428	Gmdrm	hypo	CHH	-0.0306
Gm05	33492625	33493625	Gmdrm	hypo	CHH	-0.0582
Gm05	33493629	33494628	Gmdrm	hypo	CHH	-0.0667
Gm05	33499722	33500714	Gmdrm	hypo	CHH	-0.0335
Gm05	33500723	33501695	Gmdrm	hypo	CHH	-0.0166
Gm05	33501725	33502356	Gmdrm	hypo	CHH	-0.0205
Gm05	33511194	33512194	Gmdrm	hypo	CHH	-0.0418
Gm05	33512198	33513181	Gmdrm	hypo	CHH	-0.0476
Gm05	33519127	33519918	Gmdrm	hypo	CHH	-0.0217
Gm05	33529267	33530267	Gmdrm	hypo	CHH	-0.1443
Gm05	33531792	33531950	Gmdrm	hypo	CHH	-0.0425
Gm05	33532066	33533056	Gmdrm	hypo	CHH	-0.0129
Gm05	33546904	33547886	Gmdrm	hypo	CHH	-0.0563
Gm05	33558944	33559921	Gmdrm	hypo	CHH	-0.0659
Gm05	33559953	33560818	Gmdrm	hypo	CHH	-0.0158
Gm05	33567261	33568259	Gmdrm	hypo	CHH	-0.0375
Gm05	33580663	33581660	Gmdrm	hypo	CHH	-0.0502
Gm05	33581668	33582667	Gmdrm	hypo	CHH	-0.0192

Gm05	33582671	33583657	Gmdrm	hypo	CHH	-0.0589
Gm05	33584115	33585094	Gmdrm	hypo	CHH	-0.0459
Gm05	33585118	33586116	Gmdrm	hypo	CHH	-0.0576
Gm05	33587124	33588112	Gmdrm	hypo	CHH	-0.0131
Gm05	33596942	33597929	Gmdrm	hypo	CHH	-0.096
Gm05	33611392	33612357	Gmdrm	hypo	CHH	-0.0412
Gm05	33622442	33623434	Gmdrm	hypo	CHH	-0.1051
Gm05	33628870	33629838	Gmdrm	hypo	CHH	-0.0375
Gm05	33629893	33630090	Gmdrm	hypo	CHH	-0.0505
Gm05	33636524	33637490	Gmdrm	hypo	CHH	-0.128
Gm05	33640634	33641603	Gmdrm	hypo	CHH	-0.0294
Gm05	33643700	33644688	Gmdrm	hypo	CHH	-0.0375
Gm05	33644726	33645701	Gmdrm	hypo	CHH	-0.0206
Gm05	33652800	33653749	Gmdrm	hypo	CHH	-0.066
Gm05	33658529	33659517	Gmdrm	hypo	CHH	-0.0856
Gm05	33660750	33661738	Gmdrm	hypo	CHH	-0.2391
Gm05	33665123	33665860	Gmdrm	hypo	CHH	-0.027
Gm05	33665984	33666981	Gmdrm	hypo	CHH	-0.0413
Gm05	33666990	33667961	Gmdrm	hypo	CHH	-0.1075
Gm05	33670157	33671139	Gmdrm	hypo	CHH	-0.0201
Gm05	33678076	33679073	Gmdrm	hypo	CHH	-0.1127
Gm05	33679084	33680079	Gmdrm	hypo	CHH	-0.1029
Gm05	33680111	33681110	Gmdrm	hypo	CHH	-0.1156
Gm05	33686830	33687830	Gmdrm	hypo	CHH	-0.0195
Gm05	33701146	33701202	Gmdrm	hypo	CHH	-0.045
Gm05	33719168	33720142	Gmdrm	hypo	CHH	-0.0154
Gm05	33725264	33726262	Gmdrm	hypo	CHH	-0.0251
Gm05	33743343	33744001	Gmdrm	hypo	CHH	-0.2138
Gm05	33744441	33745403	Gmdrm	hypo	CHH	-0.3493
Gm05	33746503	33747122	Gmdrm	hypo	CHH	-0.0215
Gm05	33749294	33750290	Gmdrm	hypo	CHH	-0.0544
Gm05	33751301	33752280	Gmdrm	hypo	CHH	-0.0308
Gm05	33752303	33753290	Gmdrm	hypo	CHH	-0.0556
Gm05	33767739	33768737	Gmdrm	hypo	CHH	-0.0625
Gm05	33768744	33769743	Gmdrm	hypo	CHH	-0.1007
Gm05	33769747	33770276	Gmdrm	hypo	CHH	-0.1214
Gm05	33770841	33771822	Gmdrm	hypo	CHH	-0.0808
Gm05	33786537	33786969	Gmdrm	hypo	CHH	-0.0247
Gm05	33793453	33794453	Gmdrm	hypo	CHH	-0.0255
Gm05	33804793	33805775	Gmdrm	hypo	CHH	-0.0278
Gm05	33821369	33822368	Gmdrm	hypo	CHH	-0.0773
Gm05	33822371	33823369	Gmdrm	hypo	CHH	-0.0488
Gm05	33831328	33832325	Gmdrm	hypo	CHH	-0.0261
Gm05	33832333	33832596	Gmdrm	hypo	CHH	-0.1043
Gm05	33843001	33843992	Gmdrm	hypo	CHH	-0.0195
Gm05	33858578	33858687	Gmdrm	hypo	CHH	-0.032

Gm05	33871100	33872087	Gmdrm	hypo	CHH	-0.0606
Gm05	33875645	33876643	Gmdrm	hypo	CHH	-0.2158
Gm05	33886322	33887318	Gmdrm	hypo	CHH	-0.1879
Gm05	33887333	33887928	Gmdrm	hypo	CHH	-0.1981
Gm05	33888158	33889147	Gmdrm	hypo	CHH	-0.1425
Gm05	33891697	33892443	Gmdrm	hypo	CHH	-0.0383
Gm05	33894876	33895642	Gmdrm	hypo	CHH	-0.0771
Gm05	33895819	33896801	Gmdrm	hypo	CHH	-0.2433
Gm05	33905950	33906941	Gmdrm	hypo	CHH	-0.032
Gm05	33910482	33911480	Gmdrm	hypo	CHH	-0.0247
Gm05	33912495	33912898	Gmdrm	hypo	CHH	-0.0622
Gm05	33913017	33914014	Gmdrm	hypo	CHH	-0.0737
Gm05	33924458	33925458	Gmdrm	hypo	CHH	-0.1897
Gm05	33926876	33927860	Gmdrm	hypo	CHH	-0.0346
Gm05	33930992	33931913	Gmdrm	hypo	CHH	-0.0619
Gm05	33939649	33940620	Gmdrm	hypo	CHH	-0.0184
Gm05	33941122	33941685	Gmdrm	hypo	CHH	-0.2289
Gm05	33941805	33942793	Gmdrm	hypo	CHH	-0.069
Gm05	33947581	33948577	Gmdrm	hypo	CHH	-0.0763
Gm05	33948584	33949574	Gmdrm	hypo	CHH	-0.0824
Gm05	33949589	33950573	Gmdrm	hypo	CHH	-0.0993
Gm05	33950595	33951595	Gmdrm	hypo	CHH	-0.0947
Gm05	33951602	33952564	Gmdrm	hypo	CHH	-0.0936
Gm05	33960148	33961148	Gmdrm	hypo	CHH	-0.1097
Gm05	33970288	33971285	Gmdrm	hypo	CHH	-0.0705
Gm05	33971305	33972305	Gmdrm	hypo	CHH	-0.0985
Gm05	33972309	33973165	Gmdrm	hypo	CHH	-0.0546
Gm05	33975675	33975802	Gmdrm	hypo	CHH	-0.05
Gm05	33976953	33977530	Gmdrm	hypo	CHH	-0.0308
Gm05	33982714	33983704	Gmdrm	hypo	CHH	-0.0241
Gm05	34000905	34001863	Gmdrm	hypo	CHH	-0.1928
Gm05	34007537	34008535	Gmdrm	hypo	CHH	-0.0526
Gm05	34023151	34024088	Gmdrm	hypo	CHH	-0.0253
Gm05	34028569	34028931	Gmdrm	hypo	CHH	-0.0321
Gm05	34034251	34035229	Gmdrm	hypo	CHH	-0.013
Gm05	34046406	34047400	Gmdrm	hypo	CHH	-0.0565
Gm05	34047457	34048455	Gmdrm	hypo	CHH	-0.0388
Gm05	34054426	34055426	Gmdrm	hypo	CHH	-0.13
Gm05	34055434	34056413	Gmdrm	hypo	CHH	-0.0419
Gm05	34067294	34068241	Gmdrm	hypo	CHH	-0.0551
Gm05	34068303	34069281	Gmdrm	hypo	CHH	-0.0269
Gm05	34070378	34071124	Gmdrm	hypo	CHH	-0.0193
Gm05	34077062	34078055	Gmdrm	hypo	CHH	-0.0171
Gm05	34090036	34091032	Gmdrm	hypo	CHH	-0.3039
Gm05	34091039	34092038	Gmdrm	hypo	CHH	-0.0962
Gm05	34096420	34097081	Gmdrm	hypo	CHH	-0.0247

Gm05	34113568	34113916 Gmdrm	hypo	CHH	-0.0838
Gm05	34118313	34119288 Gmdrm	hypo	CHH	-0.0229
Gm05	34119317	34120312 Gmdrm	hypo	CHH	-0.0233
Gm05	34120321	34121317 Gmdrm	hypo	CHH	-0.0741
Gm05	34121327	34122327 Gmdrm	hypo	CHH	-0.1692
Gm05	34122328	34123306 Gmdrm	hypo	CHH	-0.2483
Gm05	34128894	34129837 Gmdrm	hypo	CHH	-0.0864
Gm05	34131903	34132770 Gmdrm	hypo	CHH	-0.1114
Gm05	34145327	34146315 Gmdrm	hypo	CHH	-0.1491
Gm05	34149387	34150369 Gmdrm	hypo	CHH	-0.1458
Gm05	34154938	34155931 Gmdrm	hypo	CHH	-0.015
Gm05	34170424	34171413 Gmdrm	hypo	CHH	-0.0144
Gm05	34182261	34183257 Gmdrm	hypo	CHH	-0.0254
Gm05	34184281	34185242 Gmdrm	hypo	CHH	-0.014
Gm05	34187306	34188295 Gmdrm	hypo	CHH	-0.0147
Gm05	34195695	34196440 Gmdrm	hypo	CHH	-0.0306
Gm05	34199525	34200494 Gmdrm	hypo	CHH	-0.102
Gm05	34222966	34223155 Gmdrm	hypo	CHH	-0.1626
Gm05	34224654	34225650 Gmdrm	hypo	CHH	-0.0635
Gm05	34225656	34226642 Gmdrm	hypo	CHH	-0.0657
Gm05	34234523	34235515 Gmdrm	hypo	CHH	-0.0233
Gm05	34235525	34236517 Gmdrm	hypo	CHH	-0.0949
Gm05	34236529	34237518 Gmdrm	hypo	CHH	-0.049
Gm05	34238067	34238630 Gmdrm	hypo	CHH	-0.2119
Gm05	34238786	34239779 Gmdrm	hypo	CHH	-0.1227
Gm05	34251107	34252102 Gmdrm	hypo	CHH	-0.0262
Gm05	34252119	34253082 Gmdrm	hypo	CHH	-0.02
Gm05	34255257	34256222 Gmdrm	hypo	CHH	-0.0342
Gm05	34263391	34264118 Gmdrm	hypo	CHH	-0.0276
Gm05	34265496	34266495 Gmdrm	hypo	CHH	-0.0893
Gm05	34282508	34282825 Gmdrm	hypo	CHH	-0.016
Gm05	34284261	34285247 Gmdrm	hypo	CHH	-0.0166
Gm05	34290491	34291486 Gmdrm	hypo	CHH	-0.037
Gm05	34292506	34293503 Gmdrm	hypo	CHH	-0.0259
Gm05	34303415	34304412 Gmdrm	hypo	CHH	-0.0281
Gm05	34304602	34305289 Gmdrm	hypo	CHH	-0.0326
Gm05	34307921	34308912 Gmdrm	hypo	CHH	-0.0681
Gm05	34312956	34313942 Gmdrm	hypo	CHH	-0.0309
Gm05	34326699	34327643 Gmdrm	hypo	CHH	-0.0317
Gm05	34329730	34330727 Gmdrm	hypo	CHH	-0.0585
Gm05	34333394	34334393 Gmdrm	hypo	CHH	-0.1581
Gm05	34334546	34335544 Gmdrm	hypo	CHH	-0.0224
Gm05	34336569	34337224 Gmdrm	hypo	CHH	-0.0267
Gm05	34337792	34338792 Gmdrm	hypo	CHH	-0.0404
Gm05	34344733	34345726 Gmdrm	hypo	CHH	-0.1001
Gm05	34356135	34357125 Gmdrm	hypo	CHH	-0.0686

Gm05	34357140	34358108	Gmdrm	hypo	CHH	-0.0984
Gm05	34358156	34359150	Gmdrm	hypo	CHH	-0.0103
Gm05	34371225	34372223	Gmdrm	hypo	CHH	-0.1023
Gm05	34387037	34388037	Gmdrm	hypo	CHH	-0.0484
Gm05	34393301	34393437	Gmdrm	hypo	CHH	-0.118
Gm05	34423337	34423678	Gmdrm	hypo	CHH	-0.0618
Gm05	34435817	34436545	Gmdrm	hypo	CHH	-0.0242
Gm05	34443233	34444231	Gmdrm	hypo	CHH	-0.0102
Gm05	34449338	34450316	Gmdrm	hypo	CHH	-0.0258
Gm05	34457374	34458367	Gmdrm	hypo	CHH	-0.0143
Gm05	34472015	34472908	Gmdrm	hypo	CHH	-0.032
Gm05	34490011	34490999	Gmdrm	hypo	CHH	-0.0146
Gm05	34496285	34497284	Gmdrm	hypo	CHH	-0.0175
Gm05	34497293	34498289	Gmdrm	hypo	CHH	-0.2703
Gm05	34498295	34498642	Gmdrm	hypo	CHH	-0.056
Gm05	34500996	34501996	Gmdrm	hypo	CHH	-0.0647
Gm05	34512977	34513976	Gmdrm	hypo	CHH	-0.02
Gm05	34533123	34534101	Gmdrm	hypo	CHH	-0.0852
Gm05	34535115	34536068	Gmdrm	hypo	CHH	-0.0136
Gm05	34542431	34543431	Gmdrm	hypo	CHH	-0.0512
Gm05	34544434	34545411	Gmdrm	hypo	CHH	-0.0791
Gm05	34576693	34577693	Gmdrm	hypo	CHH	-0.027
Gm05	34585037	34586030	Gmdrm	hypo	CHH	-0.0129
Gm05	34586057	34587054	Gmdrm	hypo	CHH	-0.1316
Gm05	34587058	34588035	Gmdrm	hypo	CHH	-0.1215
Gm05	34592329	34593278	Gmdrm	hypo	CHH	-0.2005
Gm05	34594389	34595388	Gmdrm	hypo	CHH	-0.0929
Gm05	34595391	34596390	Gmdrm	hypo	CHH	-0.0864
Gm05	34596394	34597371	Gmdrm	hypo	CHH	-0.2723
Gm05	34597406	34598401	Gmdrm	hypo	CHH	-0.1106
Gm05	34598411	34599400	Gmdrm	hypo	CHH	-0.0266
Gm05	34599442	34600433	Gmdrm	hypo	CHH	-0.2408
Gm05	34624669	34625367	Gmdrm	hypo	CHH	-0.1044
Gm05	34632692	34633247	Gmdrm	hypo	CHH	-0.0113
Gm05	34634371	34635344	Gmdrm	hypo	CHH	-0.0183
Gm05	34640423	34641418	Gmdrm	hypo	CHH	-0.1812
Gm05	34641425	34642224	Gmdrm	hypo	CHH	-0.1225
Gm05	34642402	34643401	Gmdrm	hypo	CHH	-0.1509
Gm05	34643403	34644400	Gmdrm	hypo	CHH	-0.144
Gm05	34644419	34645401	Gmdrm	hypo	CHH	-0.0185
Gm05	34645434	34646432	Gmdrm	hypo	CHH	-0.0261
Gm05	34646442	34647441	Gmdrm	hypo	CHH	-0.0704
Gm05	34648502	34648624	Gmdrm	hypo	CHH	-0.0387
Gm05	34660057	34661057	Gmdrm	hypo	CHH	-0.0509
Gm05	34669198	34670175	Gmdrm	hypo	CHH	-0.0537
Gm05	34679892	34680869	Gmdrm	hypo	CHH	-0.0149

Gm05	34690349	34691346	Gmdrm	hypo	CHH	-0.0559
Gm05	34691385	34691806	Gmdrm	hypo	CHH	-0.0295
Gm05	34700108	34701093	Gmdrm	hypo	CHH	-0.0175
Gm05	34703847	34704844	Gmdrm	hypo	CHH	-0.0392
Gm05	34712241	34713238	Gmdrm	hypo	CHH	-0.0306
Gm05	34721623	34722503	Gmdrm	hypo	CHH	-0.0634
Gm05	34722677	34723651	Gmdrm	hypo	CHH	-0.026
Gm05	34723683	34724681	Gmdrm	hypo	CHH	-0.057
Gm05	34741369	34742339	Gmdrm	hypo	CHH	-0.0176
Gm05	34744749	34745739	Gmdrm	hypo	CHH	-0.0621
Gm05	34747263	34748222	Gmdrm	hypo	CHH	-0.0916
Gm05	34748283	34749263	Gmdrm	hypo	CHH	-0.2033
Gm05	34783071	34784047	Gmdrm	hypo	CHH	-0.0431
Gm05	34796591	34797579	Gmdrm	hypo	CHH	-0.0155
Gm05	34805728	34806727	Gmdrm	hypo	CHH	-0.0401
Gm05	34806735	34807722	Gmdrm	hypo	CHH	-0.0826
Gm05	34807740	34808566	Gmdrm	hypo	CHH	-0.0613
Gm05	34815465	34816432	Gmdrm	hypo	CHH	-0.0497
Gm05	34816472	34817464	Gmdrm	hypo	CHH	-0.0975
Gm05	34817480	34818480	Gmdrm	hypo	CHH	-0.013
Gm05	34825694	34826692	Gmdrm	hypo	CHH	-0.0713
Gm05	34826698	34827684	Gmdrm	hypo	CHH	-0.064
Gm05	34829339	34830325	Gmdrm	hypo	CHH	-0.1015
Gm05	34836143	34836483	Gmdrm	hypo	CHH	-0.0396
Gm05	34873493	34874488	Gmdrm	hypo	CHH	-0.0138
Gm05	34874505	34875492	Gmdrm	hypo	CHH	-0.0675
Gm05	34880714	34881707	Gmdrm	hypo	CHH	-0.0221
Gm05	34892831	34893818	Gmdrm	hypo	CHH	-0.0482
Gm05	34893840	34894835	Gmdrm	hypo	CHH	-0.0478
Gm05	34901173	34902163	Gmdrm	hypo	CHH	-0.0134
Gm05	34909902	34910873	Gmdrm	hypo	CHH	-0.0175
Gm05	34925610	34926479	Gmdrm	hypo	CHH	-0.0249
Gm05	34927263	34928220	Gmdrm	hypo	CHH	-0.0243
Gm05	34936781	34937781	Gmdrm	hypo	CHH	-0.0683
Gm05	34937783	34938769	Gmdrm	hypo	CHH	-0.0684
Gm05	34938792	34939789	Gmdrm	hypo	CHH	-0.0109
Gm05	34941053	34942049	Gmdrm	hypo	CHH	-0.013
Gm05	34949532	34950524	Gmdrm	hypo	CHH	-0.0137
Gm05	34952657	34952966	Gmdrm	hypo	CHH	-0.0731
Gm05	34955647	34956641	Gmdrm	hypo	CHH	-0.1033
Gm05	34956650	34957649	Gmdrm	hypo	CHH	-0.0595
Gm05	34972185	34973182	Gmdrm	hypo	CHH	-0.0899
Gm05	34976090	34976186	Gmdrm	hypo	CHH	-0.0289
Gm05	34981272	34982270	Gmdrm	hypo	CHH	-0.0195
Gm05	34983055	34984037	Gmdrm	hypo	CHH	-0.0193
Gm05	34985254	34985739	Gmdrm	hypo	CHH	-0.0384

Gm05	34987842	34988833	Gmdrm	hypo	CHH	-0.0269
Gm05	34990775	34991769	Gmdrm	hypo	CHH	-0.0237
Gm05	35008466	35009445	Gmdrm	hypo	CHH	-0.0166
Gm05	35030485	35031480	Gmdrm	hypo	CHH	-0.0145
Gm05	35031491	35032315	Gmdrm	hypo	CHH	-0.1759
Gm05	35033235	35034231	Gmdrm	hypo	CHH	-0.021
Gm05	35036243	35037242	Gmdrm	hypo	CHH	-0.0335
Gm05	35037288	35038249	Gmdrm	hypo	CHH	-0.0153
Gm05	35048736	35049731	Gmdrm	hypo	CHH	-0.0414
Gm05	35049757	35050740	Gmdrm	hypo	CHH	-0.0464
Gm05	35053526	35054524	Gmdrm	hypo	CHH	-0.3156
Gm05	35059756	35060749	Gmdrm	hypo	CHH	-0.0166
Gm05	35063332	35064059	Gmdrm	hypo	CHH	-0.1599
Gm05	35065097	35065614	Gmdrm	hypo	CHH	-0.025
Gm05	35065726	35066226	Gmdrm	hypo	CHH	-0.0369
Gm05	35083179	35084179	Gmdrm	hypo	CHH	-0.0193
Gm05	35087184	35088181	Gmdrm	hypo	CHH	-0.0366
Gm05	35099116	35100111	Gmdrm	hypo	CHH	-0.1394
Gm05	35104108	35105107	Gmdrm	hypo	CHH	-0.0126
Gm05	35113295	35114276	Gmdrm	hypo	CHH	-0.0137
Gm05	35116686	35117651	Gmdrm	hypo	CHH	-0.2891
Gm05	35119801	35120767	Gmdrm	hypo	CHH	-0.0097
Gm05	35121811	35122788	Gmdrm	hypo	CHH	-0.1386
Gm05	35122850	35123836	Gmdrm	hypo	CHH	-0.3172
Gm05	35136285	35137224	Gmdrm	hypo	CHH	-0.0548
Gm05	35139334	35140333	Gmdrm	hypo	CHH	-0.0478
Gm05	35140337	35141336	Gmdrm	hypo	CHH	-0.0382
Gm05	35154472	35155468	Gmdrm	hypo	CHH	-0.0228
Gm05	35162742	35163741	Gmdrm	hypo	CHH	-0.0286
Gm05	35163752	35164733	Gmdrm	hypo	CHH	-0.034
Gm05	35165626	35166624	Gmdrm	hypo	CHH	-0.0282
Gm05	35185732	35186724	Gmdrm	hypo	CHH	-0.049
Gm05	35190397	35191394	Gmdrm	hypo	CHH	-0.0139
Gm05	35191407	35191640	Gmdrm	hypo	CHH	-0.0227
Gm05	35198379	35198692	Gmdrm	hypo	CHH	-0.052
Gm05	35202270	35203252	Gmdrm	hypo	CHH	-0.0343
Gm05	35207164	35208151	Gmdrm	hypo	CHH	-0.123
Gm05	35210355	35211308	Gmdrm	hypo	CHH	-0.0212
Gm05	35211383	35212201	Gmdrm	hypo	CHH	-0.0343
Gm05	35226469	35227255	Gmdrm	hypo	CHH	-0.0189
Gm05	35231287	35232287	Gmdrm	hypo	CHH	-0.0455
Gm05	35245313	35246304	Gmdrm	hypo	CHH	-0.0398
Gm05	35246321	35247296	Gmdrm	hypo	CHH	-0.0286
Gm05	35253189	35254156	Gmdrm	hypo	CHH	-0.0351
Gm05	35254200	35255194	Gmdrm	hypo	CHH	-0.0178
Gm05	35256258	35257251	Gmdrm	hypo	CHH	-0.017

Gm05	35257260	35258246	Gmdrm	hypo	CHH	-0.103
Gm05	35258262	35259259	Gmdrm	hypo	CHH	-0.0482
Gm05	35277078	35277857	Gmdrm	hypo	CHH	-0.0242
Gm05	35278973	35279968	Gmdrm	hypo	CHH	-0.0523
Gm05	35280997	35281991	Gmdrm	hypo	CHH	-0.0396
Gm05	35282001	35282927	Gmdrm	hypo	CHH	-0.1513
Gm05	35287670	35288655	Gmdrm	hypo	CHH	-0.0131
Gm05	35290704	35291670	Gmdrm	hypo	CHH	-0.0113
Gm05	35291732	35292635	Gmdrm	hypo	CHH	-0.0103
Gm05	35298014	35299013	Gmdrm	hypo	CHH	-0.0189
Gm05	35304098	35305098	Gmdrm	hypo	CHH	-0.0407
Gm05	35305110	35306087	Gmdrm	hypo	CHH	-0.0274
Gm05	35308819	35309674	Gmdrm	hypo	CHH	-0.0445
Gm05	35312493	35313493	Gmdrm	hypo	CHH	-0.1825
Gm05	35314537	35315520	Gmdrm	hypo	CHH	-0.0739
Gm05	35315572	35316566	Gmdrm	hypo	CHH	-0.086
Gm05	35330632	35331624	Gmdrm	hypo	CHH	-0.0202
Gm05	35331633	35332622	Gmdrm	hypo	CHH	-0.1758
Gm05	35332799	35333797	Gmdrm	hypo	CHH	-0.0141
Gm05	35333805	35334778	Gmdrm	hypo	CHH	-0.0227
Gm05	35334830	35335769	Gmdrm	hypo	CHH	-0.1741
Gm05	35342174	35343160	Gmdrm	hypo	CHH	-0.0379
Gm05	35352053	35353030	Gmdrm	hypo	CHH	-0.0777
Gm05	35357405	35358380	Gmdrm	hypo	CHH	-0.0147
Gm05	35359458	35359632	Gmdrm	hypo	CHH	-0.104
Gm05	35360012	35361009	Gmdrm	hypo	CHH	-0.0122
Gm05	35388350	35389347	Gmdrm	hypo	CHH	-0.0484
Gm05	35389361	35390326	Gmdrm	hypo	CHH	-0.0614
Gm05	35393887	35394881	Gmdrm	hypo	CHH	-0.029
Gm05	35394911	35395758	Gmdrm	hypo	CHH	-0.0898
Gm05	35395941	35396918	Gmdrm	hypo	CHH	-0.0411
Gm05	35399206	35400205	Gmdrm	hypo	CHH	-0.0138
Gm05	35401284	35402282	Gmdrm	hypo	CHH	-0.0595
Gm05	35410661	35411659	Gmdrm	hypo	CHH	-0.0383
Gm05	35418193	35419192	Gmdrm	hypo	CHH	-0.0166
Gm05	35431236	35432212	Gmdrm	hypo	CHH	-0.0411
Gm05	35432244	35433242	Gmdrm	hypo	CHH	-0.031
Gm05	35436272	35437263	Gmdrm	hypo	CHH	-0.0115
Gm05	35443822	35444800	Gmdrm	hypo	CHH	-0.2968
Gm05	35444828	35445813	Gmdrm	hypo	CHH	-0.0206
Gm05	35445841	35446841	Gmdrm	hypo	CHH	-0.0236
Gm05	35447870	35448870	Gmdrm	hypo	CHH	-0.1138
Gm05	35448877	35449869	Gmdrm	hypo	CHH	-0.0557
Gm05	35449895	35450789	Gmdrm	hypo	CHH	-0.0223
Gm05	35451709	35452204	Gmdrm	hypo	CHH	-0.0182
Gm05	35456106	35457104	Gmdrm	hypo	CHH	-0.0658

Gm05	35463778	35464774	Gmdrm	hypo	CHH	-0.0185
Gm05	35473662	35474659	Gmdrm	hypo	CHH	-0.0144
Gm05	35485299	35485808	Gmdrm	hypo	CHH	-0.1343
Gm05	35492802	35493797	Gmdrm	hypo	CHH	-0.1016
Gm05	35493819	35494818	Gmdrm	hypo	CHH	-0.0476
Gm05	35502910	35503906	Gmdrm	hypo	CHH	-0.0201
Gm05	35519506	35520505	Gmdrm	hypo	CHH	-0.0345
Gm05	35520513	35521513	Gmdrm	hypo	CHH	-0.1069
Gm05	35549234	35549863	Gmdrm	hypo	CHH	-0.0425
Gm05	35550066	35551034	Gmdrm	hypo	CHH	-0.0247
Gm05	35574263	35575232	Gmdrm	hypo	CHH	-0.0112
Gm05	35583431	35584415	Gmdrm	hypo	CHH	-0.0139
Gm05	35585457	35586164	Gmdrm	hypo	CHH	-0.0221
Gm05	35586271	35587263	Gmdrm	hypo	CHH	-0.0149
Gm05	35593056	35594055	Gmdrm	hypo	CHH	-0.0834
Gm05	35599324	35600323	Gmdrm	hypo	CHH	-0.0223
Gm05	35600339	35601336	Gmdrm	hypo	CHH	-0.0631
Gm05	35608813	35609811	Gmdrm	hypo	CHH	-0.0636
Gm05	35609819	35610811	Gmdrm	hypo	CHH	-0.0974
Gm05	35610832	35611812	Gmdrm	hypo	CHH	-0.1388
Gm05	35616101	35617085	Gmdrm	hypo	CHH	-0.0188
Gm05	35624370	35625366	Gmdrm	hypo	CHH	-0.0308
Gm05	35643289	35644284	Gmdrm	hypo	CHH	-0.0207
Gm05	35649341	35650229	Gmdrm	hypo	CHH	-0.0151
Gm05	35656211	35657209	Gmdrm	hypo	CHH	-0.0125
Gm05	35663872	35664872	Gmdrm	hypo	CHH	-0.0547
Gm05	35665399	35666396	Gmdrm	hypo	CHH	-0.041
Gm05	35666440	35667437	Gmdrm	hypo	CHH	-0.1304
Gm05	35680217	35681212	Gmdrm	hypo	CHH	-0.0234
Gm05	35681242	35681898	Gmdrm	hypo	CHH	-0.0286
Gm05	35691885	35692067	Gmdrm	hypo	CHH	-0.0464
Gm05	35695926	35696926	Gmdrm	hypo	CHH	-0.1387
Gm05	35704949	35705585	Gmdrm	hypo	CHH	-0.0509
Gm05	35706776	35707772	Gmdrm	hypo	CHH	-0.1274
Gm05	35719151	35720147	Gmdrm	hypo	CHH	-0.113
Gm05	35722180	35723161	Gmdrm	hypo	CHH	-0.0171
Gm05	35725258	35726241	Gmdrm	hypo	CHH	-0.0214
Gm05	35744337	35745319	Gmdrm	hypo	CHH	-0.0157
Gm05	35772939	35773939	Gmdrm	hypo	CHH	-0.0237
Gm05	35773942	35774941	Gmdrm	hypo	CHH	-0.0218
Gm05	35777592	35778579	Gmdrm	hypo	CHH	-0.0126
Gm05	35787780	35788780	Gmdrm	hypo	CHH	-0.015
Gm05	35803225	35803721	Gmdrm	hypo	CHH	-0.0429
Gm05	35804066	35805056	Gmdrm	hypo	CHH	-0.0337
Gm05	35812924	35813320	Gmdrm	hypo	CHH	-0.031
Gm05	35818080	35819077	Gmdrm	hypo	CHH	-0.0615

Gm05	35861566	35862566	Gmdrm	hypo	CHH	-0.0129
Gm05	35862592	35863431	Gmdrm	hypo	CHH	-0.0269
Gm05	35878643	35879629	Gmdrm	hypo	CHH	-0.0167
Gm05	35880959	35881939	Gmdrm	hypo	CHH	-0.0276
Gm05	35889412	35890400	Gmdrm	hypo	CHH	-0.0995
Gm05	35893893	35894888	Gmdrm	hypo	CHH	-0.0189
Gm05	35895950	35896881	Gmdrm	hypo	CHH	-0.0282
Gm05	35898070	35898762	Gmdrm	hypo	CHH	-0.0196
Gm05	35903912	35904906	Gmdrm	hypo	CHH	-0.1497
Gm05	35905921	35906919	Gmdrm	hypo	CHH	-0.0187
Gm05	35912858	35913814	Gmdrm	hypo	CHH	-0.0297
Gm05	35936763	35937749	Gmdrm	hypo	CHH	-0.174
Gm05	35938800	35939789	Gmdrm	hypo	CHH	-0.0203
Gm05	35950503	35951486	Gmdrm	hypo	CHH	-0.0193
Gm05	35957301	35958293	Gmdrm	hypo	CHH	-0.0142
Gm05	35961883	35962776	Gmdrm	hypo	CHH	-0.0196
Gm05	35963786	35964779	Gmdrm	hypo	CHH	-0.032
Gm05	35966854	35967853	Gmdrm	hypo	CHH	-0.0266
Gm05	35984285	35984560	Gmdrm	hypo	CHH	-0.0415
Gm05	35990372	35991370	Gmdrm	hypo	CHH	-0.0854
Gm05	35991373	35992347	Gmdrm	hypo	CHH	-0.0205
Gm05	35993749	35994712	Gmdrm	hypo	CHH	-0.0232
Gm05	36001239	36002205	Gmdrm	hypo	CHH	-0.0153
Gm05	36002436	36003423	Gmdrm	hypo	CHH	-0.2025
Gm05	36021382	36022141	Gmdrm	hypo	CHH	-0.0187
Gm05	36024541	36025537	Gmdrm	hypo	CHH	-0.095
Gm05	36026570	36027567	Gmdrm	hypo	CHH	-0.1201
Gm05	36027582	36027878	Gmdrm	hypo	CHH	-0.3872
Gm05	36030407	36031397	Gmdrm	hypo	CHH	-0.0674
Gm05	36051456	36051689	Gmdrm	hypo	CHH	-0.0258
Gm05	36058950	36059947	Gmdrm	hypo	CHH	-0.0126
Gm05	36072386	36072842	Gmdrm	hypo	CHH	-0.0674
Gm05	36079040	36080027	Gmdrm	hypo	CHH	-0.0276
Gm05	36097704	36098703	Gmdrm	hypo	CHH	-0.0365
Gm05	36100885	36101879	Gmdrm	hypo	CHH	-0.0299
Gm05	36107157	36108113	Gmdrm	hypo	CHH	-0.0181
Gm05	36109219	36110170	Gmdrm	hypo	CHH	-0.0157
Gm05	36111351	36112310	Gmdrm	hypo	CHH	-0.0217
Gm05	36118176	36119138	Gmdrm	hypo	CHH	-0.0179
Gm05	36119326	36120325	Gmdrm	hypo	CHH	-0.2274
Gm05	36120337	36121335	Gmdrm	hypo	CHH	-0.0448
Gm05	36131587	36132577	Gmdrm	hypo	CHH	-0.054
Gm05	36132620	36133605	Gmdrm	hypo	CHH	-0.0896
Gm05	36138467	36139465	Gmdrm	hypo	CHH	-0.0787
Gm05	36139485	36140474	Gmdrm	hypo	CHH	-0.0306
Gm05	36221501	36222494	Gmdrm	hypo	CHH	-0.0132

Gm05	36227371	36228371	Gmdrm	hypo	CHH	-0.0344
Gm05	36232442	36233166	Gmdrm	hypo	CHH	-0.0222
Gm05	36238242	36239226	Gmdrm	hypo	CHH	-0.0344
Gm05	36246943	36247938	Gmdrm	hypo	CHH	-0.0222
Gm05	36247948	36248944	Gmdrm	hypo	CHH	-0.0394
Gm05	36254337	36255328	Gmdrm	hypo	CHH	-0.0234
Gm05	36258211	36259205	Gmdrm	hypo	CHH	-0.0158
Gm05	36273289	36274276	Gmdrm	hypo	CHH	-0.0299
Gm05	36275511	36276478	Gmdrm	hypo	CHH	-0.0179
Gm05	36277835	36278820	Gmdrm	hypo	CHH	-0.079
Gm05	36278843	36279811	Gmdrm	hypo	CHH	-0.09
Gm05	36279852	36280851	Gmdrm	hypo	CHH	-0.0463
Gm05	36280859	36281524	Gmdrm	hypo	CHH	-0.1081
Gm05	36306999	36307990	Gmdrm	hypo	CHH	-0.0229
Gm05	36311108	36312100	Gmdrm	hypo	CHH	-0.0308
Gm05	36319672	36320670	Gmdrm	hypo	CHH	-0.1213
Gm05	36320673	36321670	Gmdrm	hypo	CHH	-0.0849
Gm05	36321677	36322677	Gmdrm	hypo	CHH	-0.042
Gm05	36324846	36325808	Gmdrm	hypo	CHH	-0.043
Gm05	36329945	36330943	Gmdrm	hypo	CHH	-0.0204
Gm05	36330955	36331952	Gmdrm	hypo	CHH	-0.0136
Gm05	36339406	36340392	Gmdrm	hypo	CHH	-0.0213
Gm05	36351750	36352745	Gmdrm	hypo	CHH	-0.1147
Gm05	36377800	36378112	Gmdrm	hypo	CHH	-0.1246
Gm05	36378579	36379548	Gmdrm	hypo	CHH	-0.0827
Gm05	36379794	36379930	Gmdrm	hypo	CHH	-0.1857
Gm05	36380114	36381073	Gmdrm	hypo	CHH	-0.1833
Gm05	36395579	36396353	Gmdrm	hypo	CHH	-0.0216
Gm05	36414616	36415573	Gmdrm	hypo	CHH	-0.0164
Gm05	36439172	36439999	Gmdrm	hypo	CHH	-0.1564
Gm05	36440253	36440680	Gmdrm	hypo	CHH	-0.0345
Gm05	36443879	36444862	Gmdrm	hypo	CHH	-0.0208
Gm05	36456891	36457837	Gmdrm	hypo	CHH	-0.0239
Gm05	36462948	36463490	Gmdrm	hypo	CHH	-0.146
Gm05	36464892	36465882	Gmdrm	hypo	CHH	-0.0378
Gm05	36466222	36467211	Gmdrm	hypo	CHH	-0.0822
Gm05	36467270	36468269	Gmdrm	hypo	CHH	-0.0136
Gm05	36485005	36485254	Gmdrm	hypo	CHH	-0.024
Gm05	36485981	36486973	Gmdrm	hypo	CHH	-0.0629
Gm05	36489344	36490333	Gmdrm	hypo	CHH	-0.0807
Gm05	36506383	36507020	Gmdrm	hypo	CHH	-0.0181
Gm05	36516946	36517923	Gmdrm	hypo	CHH	-0.1812
Gm05	36532112	36533093	Gmdrm	hypo	CHH	-0.0129
Gm05	36539287	36540267	Gmdrm	hypo	CHH	-0.0195
Gm05	36540317	36541301	Gmdrm	hypo	CHH	-0.0231
Gm05	36544922	36545912	Gmdrm	hypo	CHH	-0.0667

Gm05	36546785	36547759	Gmdrm	hypo	CHH	-0.0166
Gm05	36550523	36551520	Gmdrm	hypo	CHH	-0.0297
Gm05	36551524	36552520	Gmdrm	hypo	CHH	-0.0472
Gm05	36554899	36555862	Gmdrm	hypo	CHH	-0.0176
Gm05	36567384	36568376	Gmdrm	hypo	CHH	-0.0198
Gm05	36571682	36572682	Gmdrm	hypo	CHH	-0.0707
Gm05	36573699	36574623	Gmdrm	hypo	CHH	-0.0409
Gm05	36576759	36577757	Gmdrm	hypo	CHH	-0.0279
Gm05	36579792	36580386	Gmdrm	hypo	CHH	-0.2663
Gm05	36580897	36581743	Gmdrm	hypo	CHH	-0.2471
Gm05	36582140	36583137	Gmdrm	hypo	CHH	-0.1649
Gm05	36583141	36583705	Gmdrm	hypo	CHH	-0.02
Gm05	36584948	36585901	Gmdrm	hypo	CHH	-0.0232
Gm05	36609419	36610396	Gmdrm	hypo	CHH	-0.0198
Gm05	36614679	36615675	Gmdrm	hypo	CHH	-0.0666
Gm05	36624208	36625166	Gmdrm	hypo	CHH	-0.0195
Gm05	36627691	36628690	Gmdrm	hypo	CHH	-0.0272
Gm05	36628693	36629662	Gmdrm	hypo	CHH	-0.0438
Gm05	36635143	36636106	Gmdrm	hypo	CHH	-0.0201
Gm05	36637863	36638862	Gmdrm	hypo	CHH	-0.0528
Gm05	36639882	36640861	Gmdrm	hypo	CHH	-0.0597
Gm05	36640883	36641469	Gmdrm	hypo	CHH	-0.0213
Gm05	36649389	36650348	Gmdrm	hypo	CHH	-0.0219
Gm05	36697085	36698080	Gmdrm	hypo	CHH	-0.028
Gm05	36704142	36705142	Gmdrm	hypo	CHH	-0.0818
Gm05	36705163	36706122	Gmdrm	hypo	CHH	-0.0397
Gm05	36706186	36707183	Gmdrm	hypo	CHH	-0.0157
Gm05	36722974	36723971	Gmdrm	hypo	CHH	-0.1744
Gm05	36723975	36724880	Gmdrm	hypo	CHH	-0.0641
Gm05	36746513	36747489	Gmdrm	hypo	CHH	-0.0185
Gm05	36751565	36752545	Gmdrm	hypo	CHH	-0.1412
Gm05	36760536	36761513	Gmdrm	hypo	CHH	-0.0139
Gm05	36761554	36761998	Gmdrm	hypo	CHH	-0.02
Gm05	36785204	36786198	Gmdrm	hypo	CHH	-0.0155
Gm05	36791786	36792736	Gmdrm	hypo	CHH	-0.0174
Gm05	36792794	36793721	Gmdrm	hypo	CHH	-0.0188
Gm05	36804775	36805705	Gmdrm	hypo	CHH	-0.0306
Gm05	36805793	36806773	Gmdrm	hypo	CHH	-0.0112
Gm05	36807087	36808087	Gmdrm	hypo	CHH	-0.1301
Gm05	36808414	36808761	Gmdrm	hypo	CHH	-0.0861
Gm05	36809887	36810887	Gmdrm	hypo	CHH	-0.1249
Gm05	36815374	36816367	Gmdrm	hypo	CHH	-0.0625
Gm05	36816375	36817375	Gmdrm	hypo	CHH	-0.1299
Gm05	36827131	36828114	Gmdrm	hypo	CHH	-0.0251
Gm05	36829173	36829980	Gmdrm	hypo	CHH	-0.0483
Gm05	36830102	36830745	Gmdrm	hypo	CHH	-0.0266

Gm05	36832444	36833405	Gmdrm	hypo	CHH	-0.069
Gm05	36850349	36851344	Gmdrm	hypo	CHH	-0.0839
Gm05	36851355	36852348	Gmdrm	hypo	CHH	-0.0157
Gm05	36853789	36854785	Gmdrm	hypo	CHH	-0.0152
Gm05	36860419	36861418	Gmdrm	hypo	CHH	-0.0428
Gm05	36861424	36862385	Gmdrm	hypo	CHH	-0.0156
Gm05	36880545	36881538	Gmdrm	hypo	CHH	-0.0173
Gm05	36887661	36888659	Gmdrm	hypo	CHH	-0.03
Gm05	36888662	36889651	Gmdrm	hypo	CHH	-0.1045
Gm05	36890889	36891889	Gmdrm	hypo	CHH	-0.0183
Gm05	36898422	36899411	Gmdrm	hypo	CHH	-0.023
Gm05	36902454	36903446	Gmdrm	hypo	CHH	-0.0257
Gm05	36904618	36905604	Gmdrm	hypo	CHH	-0.1529
Gm05	36913807	36914293	Gmdrm	hypo	CHH	-0.0647
Gm05	36916857	36917561	Gmdrm	hypo	CHH	-0.114
Gm05	36932467	36933110	Gmdrm	hypo	CHH	-0.2591
Gm05	36937666	36938646	Gmdrm	hypo	CHH	-0.0314
Gm05	36940224	36941214	Gmdrm	hypo	CHH	-0.0305
Gm05	36941225	36942215	Gmdrm	hypo	CHH	-0.0922
Gm05	36942251	36943236	Gmdrm	hypo	CHH	-0.0529
Gm05	36947530	36948516	Gmdrm	hypo	CHH	-0.0267
Gm05	36948534	36949495	Gmdrm	hypo	CHH	-0.0197
Gm05	36952051	36953026	Gmdrm	hypo	CHH	-0.0116
Gm05	36970803	36971803	Gmdrm	hypo	CHH	-0.0231
Gm05	36973844	36974060	Gmdrm	hypo	CHH	-0.0425
Gm05	36980302	36981060	Gmdrm	hypo	CHH	-0.02
Gm05	36982682	36983677	Gmdrm	hypo	CHH	-0.0159
Gm05	36983685	36984685	Gmdrm	hypo	CHH	-0.0617
Gm05	36984688	36984905	Gmdrm	hypo	CHH	-0.0589
Gm05	36985329	36985946	Gmdrm	hypo	CHH	-0.0543
Gm05	36988543	36989537	Gmdrm	hypo	CHH	-0.0244
Gm05	37013170	37014139	Gmdrm	hypo	CHH	-0.1693
Gm05	37026409	37027404	Gmdrm	hypo	CHH	-0.0364
Gm05	37027416	37028397	Gmdrm	hypo	CHH	-0.1357
Gm05	37028432	37029416	Gmdrm	hypo	CHH	-0.0641
Gm05	37031486	37032475	Gmdrm	hypo	CHH	-0.0166
Gm05	37039127	37040098	Gmdrm	hypo	CHH	-0.0325
Gm05	37045625	37046591	Gmdrm	hypo	CHH	-0.273
Gm05	37071512	37071730	Gmdrm	hypo	CHH	-0.0572
Gm05	37073878	37074875	Gmdrm	hypo	CHH	-0.0259
Gm05	37113063	37113825	Gmdrm	hypo	CHH	-0.0705
Gm05	37141407	37142406	Gmdrm	hypo	CHH	-0.024
Gm05	37157163	37157813	Gmdrm	hypo	CHH	-0.0152
Gm05	37165380	37166358	Gmdrm	hypo	CHH	-0.014
Gm05	37188408	37189338	Gmdrm	hypo	CHH	-0.0264
Gm05	37202170	37203169	Gmdrm	hypo	CHH	-0.0109

Gm05	37230720	37231717	Gmdrm	hypo	CHH	-0.0268
Gm05	37232510	37233503	Gmdrm	hypo	CHH	-0.0207
Gm05	37234542	37235534	Gmdrm	hypo	CHH	-0.0606
Gm05	37235543	37236541	Gmdrm	hypo	CHH	-0.1419
Gm05	37236570	37237561	Gmdrm	hypo	CHH	-0.018
Gm05	37237575	37238544	Gmdrm	hypo	CHH	-0.0538
Gm05	37238583	37239567	Gmdrm	hypo	CHH	-0.0268
Gm05	37243139	37243450	Gmdrm	hypo	CHH	-0.0353
Gm05	37248809	37249806	Gmdrm	hypo	CHH	-0.0179
Gm05	37257833	37258126	Gmdrm	hypo	CHH	-0.0375
Gm05	37265179	37265667	Gmdrm	hypo	CHH	-0.022
Gm05	37269889	37270811	Gmdrm	hypo	CHH	-0.0351
Gm05	37270914	37271909	Gmdrm	hypo	CHH	-0.0365
Gm05	37274995	37275224	Gmdrm	hypo	CHH	-0.02
Gm05	37276056	37277036	Gmdrm	hypo	CHH	-0.029
Gm05	37279151	37280143	Gmdrm	hypo	CHH	-0.0129
Gm05	37291177	37292172	Gmdrm	hypo	CHH	-0.0742
Gm05	37299978	37300672	Gmdrm	hypo	CHH	-0.0177
Gm05	37307254	37308251	Gmdrm	hypo	CHH	-0.0475
Gm05	37314243	37314590	Gmdrm	hypo	CHH	-0.043
Gm05	37318787	37319784	Gmdrm	hypo	CHH	-0.026
Gm05	37323668	37324167	Gmdrm	hypo	CHH	-0.0222
Gm05	37329742	37330710	Gmdrm	hypo	CHH	-0.315
Gm05	37331751	37332741	Gmdrm	hypo	CHH	-0.1658
Gm05	37344975	37345972	Gmdrm	hypo	CHH	-0.0135
Gm05	37350566	37351562	Gmdrm	hypo	CHH	-0.0251
Gm05	37351567	37352545	Gmdrm	hypo	CHH	-0.0257
Gm05	37355194	37356117	Gmdrm	hypo	CHH	-0.0196
Gm05	37374971	37375945	Gmdrm	hypo	CHH	-0.0183
Gm05	37380077	37381066	Gmdrm	hypo	CHH	-0.0523
Gm05	37384338	37385338	Gmdrm	hypo	CHH	-0.0463
Gm05	37385345	37386316	Gmdrm	hypo	CHH	-0.0415
Gm05	37394856	37395852	Gmdrm	hypo	CHH	-0.0169
Gm05	37397773	37398772	Gmdrm	hypo	CHH	-0.098
Gm05	37398779	37399760	Gmdrm	hypo	CHH	-0.0752
Gm05	37405840	37406555	Gmdrm	hypo	CHH	-0.202
Gm05	37424156	37425132	Gmdrm	hypo	CHH	-0.0285
Gm05	37437343	37438331	Gmdrm	hypo	CHH	-0.0375
Gm05	37438345	37439343	Gmdrm	hypo	CHH	-0.1153
Gm05	37439347	37440332	Gmdrm	hypo	CHH	-0.0606
Gm05	37442372	37443372	Gmdrm	hypo	CHH	-0.151
Gm05	37465242	37466241	Gmdrm	hypo	CHH	-0.0633
Gm05	37466606	37467597	Gmdrm	hypo	CHH	-0.053
Gm05	37474308	37475297	Gmdrm	hypo	CHH	-0.0138
Gm05	37490916	37491905	Gmdrm	hypo	CHH	-0.2311
Gm05	37494121	37495120	Gmdrm	hypo	CHH	-0.0364

Gm05	37498473	37499464	Gmdrm	hypo	CHH	-0.0101
Gm05	37502552	37503547	Gmdrm	hypo	CHH	-0.0147
Gm05	37504594	37505215	Gmdrm	hypo	CHH	-0.0696
Gm05	37512350	37512897	Gmdrm	hypo	CHH	-0.03
Gm05	37541872	37542869	Gmdrm	hypo	CHH	-0.245
Gm05	37542892	37543886	Gmdrm	hypo	CHH	-0.0886
Gm05	37550236	37551235	Gmdrm	hypo	CHH	-0.0102
Gm05	37557959	37558957	Gmdrm	hypo	CHH	-0.0129
Gm05	37580587	37581133	Gmdrm	hypo	CHH	-0.06
Gm05	37582249	37583245	Gmdrm	hypo	CHH	-0.013
Gm05	37584108	37585097	Gmdrm	hypo	CHH	-0.0271
Gm05	37585109	37586096	Gmdrm	hypo	CHH	-0.0397
Gm05	37586125	37587117	Gmdrm	hypo	CHH	-0.0159
Gm05	37587126	37588098	Gmdrm	hypo	CHH	-0.0312
Gm05	37591991	37592990	Gmdrm	hypo	CHH	-0.1342
Gm05	37592992	37593968	Gmdrm	hypo	CHH	-0.0941
Gm05	37600161	37601156	Gmdrm	hypo	CHH	-0.0157
Gm05	37608873	37609181	Gmdrm	hypo	CHH	-0.0304
Gm05	37616903	37617900	Gmdrm	hypo	CHH	-0.0135
Gm05	37623868	37624129	Gmdrm	hypo	CHH	-0.0268
Gm05	37627181	37628173	Gmdrm	hypo	CHH	-0.0223
Gm05	37635063	37636063	Gmdrm	hypo	CHH	-0.0156
Gm05	37651416	37652411	Gmdrm	hypo	CHH	-0.0251
Gm05	37652420	37653255	Gmdrm	hypo	CHH	-0.1015
Gm05	37654411	37655388	Gmdrm	hypo	CHH	-0.0258
Gm05	37655464	37655688	Gmdrm	hypo	CHH	-0.0323
Gm05	37661576	37662218	Gmdrm	hypo	CHH	-0.0232
Gm05	37667315	37668298	Gmdrm	hypo	CHH	-0.0677
Gm05	37670342	37671038	Gmdrm	hypo	CHH	-0.0147
Gm05	37676629	37677559	Gmdrm	hypo	CHH	-0.0183
Gm05	37681013	37682007	Gmdrm	hypo	CHH	-0.2959
Gm05	37703476	37704471	Gmdrm	hypo	CHH	-0.0173
Gm05	37704484	37705477	Gmdrm	hypo	CHH	-0.0167
Gm05	37733876	37734876	Gmdrm	hypo	CHH	-0.0437
Gm05	37734883	37735870	Gmdrm	hypo	CHH	-0.0793
Gm05	37746932	37747926	Gmdrm	hypo	CHH	-0.0203
Gm05	37759866	37760859	Gmdrm	hypo	CHH	-0.0305
Gm05	37769762	37770732	Gmdrm	hypo	CHH	-0.0155
Gm05	37781449	37782440	Gmdrm	hypo	CHH	-0.0197
Gm05	37787856	37788791	Gmdrm	hypo	CHH	-0.1174
Gm05	37808166	37808854	Gmdrm	hypo	CHH	-0.3864
Gm05	37814348	37815342	Gmdrm	hypo	CHH	-0.0236
Gm05	37822952	37823798	Gmdrm	hypo	CHH	-0.1519
Gm05	37824341	37825324	Gmdrm	hypo	CHH	-0.0966
Gm05	37825345	37826336	Gmdrm	hypo	CHH	-0.0876
Gm05	37828332	37829157	Gmdrm	hypo	CHH	-0.0138

Gm05	37829258	37829370	Gmdrm	hypo	CHH	-0.0357
Gm05	37836428	37837417	Gmdrm	hypo	CHH	-0.0216
Gm05	37838739	37839730	Gmdrm	hypo	CHH	-0.0138
Gm05	37841540	37842516	Gmdrm	hypo	CHH	-0.2057
Gm05	37847322	37848321	Gmdrm	hypo	CHH	-0.0737
Gm05	37848331	37849301	Gmdrm	hypo	CHH	-0.1065
Gm05	37859096	37859998	Gmdrm	hypo	CHH	-0.017
Gm05	37860232	37861202	Gmdrm	hypo	CHH	-0.0339
Gm05	37865961	37866631	Gmdrm	hypo	CHH	-0.0428
Gm05	37866988	37867977	Gmdrm	hypo	CHH	-0.0425
Gm05	37867993	37868989	Gmdrm	hypo	CHH	-0.0199
Gm05	37875964	37876963	Gmdrm	hypo	CHH	-0.0243
Gm05	37890350	37891338	Gmdrm	hypo	CHH	-0.0149
Gm05	37896725	37897718	Gmdrm	hypo	CHH	-0.2401
Gm05	37897726	37898048	Gmdrm	hypo	CHH	-0.4564
Gm05	37926464	37927461	Gmdrm	hypo	CHH	-0.0322
Gm05	37927612	37928543	Gmdrm	hypo	CHH	-0.0349
Gm05	37928622	37929468	Gmdrm	hypo	CHH	-0.065
Gm05	37936906	37937903	Gmdrm	hypo	CHH	-0.0861
Gm05	37940958	37941948	Gmdrm	hypo	CHH	-0.1202
Gm05	37941961	37942618	Gmdrm	hypo	CHH	-0.0479
Gm05	37949421	37950416	Gmdrm	hypo	CHH	-0.0268
Gm05	37951497	37952471	Gmdrm	hypo	CHH	-0.0235
Gm05	37953688	37954687	Gmdrm	hypo	CHH	-0.0596
Gm05	37955706	37956702	Gmdrm	hypo	CHH	-0.0616
Gm05	37975521	37976489	Gmdrm	hypo	CHH	-0.0152
Gm05	37978923	37979918	Gmdrm	hypo	CHH	-0.0152
Gm05	37982038	37983031	Gmdrm	hypo	CHH	-0.0878
Gm05	38015432	38016426	Gmdrm	hypo	CHH	-0.0135
Gm05	38021766	38022167	Gmdrm	hypo	CHH	-0.0334
Gm05	38026247	38027234	Gmdrm	hypo	CHH	-0.0894
Gm05	38027283	38028260	Gmdrm	hypo	CHH	-0.1106
Gm05	38046267	38047266	Gmdrm	hypo	CHH	-0.0699
Gm05	38048291	38049289	Gmdrm	hypo	CHH	-0.0168
Gm05	38051055	38051276	Gmdrm	hypo	CHH	-0.0234
Gm05	38052839	38053800	Gmdrm	hypo	CHH	-0.0239
Gm05	38054853	38055853	Gmdrm	hypo	CHH	-0.0149
Gm05	38061934	38062932	Gmdrm	hypo	CHH	-0.0572
Gm05	38062936	38063929	Gmdrm	hypo	CHH	-0.0116
Gm05	38064039	38064823	Gmdrm	hypo	CHH	-0.1014
Gm05	38064985	38065981	Gmdrm	hypo	CHH	-0.107
Gm05	38065989	38066985	Gmdrm	hypo	CHH	-0.0686
Gm05	38067610	38068527	Gmdrm	hypo	CHH	-0.0132
Gm05	38070114	38070448	Gmdrm	hypo	CHH	-0.026
Gm05	38107884	38108875	Gmdrm	hypo	CHH	-0.12
Gm05	38113265	38114262	Gmdrm	hypo	CHH	-0.0387

Gm05	38128563	38129562	Gmdrm	hypo	CHH	-0.0647
Gm05	38130589	38131589	Gmdrm	hypo	CHH	-0.0473
Gm05	38131591	38132590	Gmdrm	hypo	CHH	-0.1296
Gm05	38132594	38133585	Gmdrm	hypo	CHH	-0.0737
Gm05	38160230	38160571	Gmdrm	hypo	CHH	-0.3506
Gm05	38176588	38177534	Gmdrm	hypo	CHH	-0.048
Gm05	38198492	38199464	Gmdrm	hypo	CHH	-0.076
Gm05	38199494	38200494	Gmdrm	hypo	CHH	-0.1152
Gm05	38202370	38203362	Gmdrm	hypo	CHH	-0.3067
Gm05	38204393	38205388	Gmdrm	hypo	CHH	-0.0117
Gm05	38205427	38206420	Gmdrm	hypo	CHH	-0.0331
Gm05	38206455	38207452	Gmdrm	hypo	CHH	-0.1271
Gm05	38213697	38214636	Gmdrm	hypo	CHH	-0.0217
Gm05	38219031	38219135	Gmdrm	hypo	CHH	-0.068
Gm05	38227717	38228711	Gmdrm	hypo	CHH	-0.0262
Gm05	38228722	38228978	Gmdrm	hypo	CHH	-0.0378
Gm05	38230278	38231243	Gmdrm	hypo	CHH	-0.0118
Gm05	38233226	38234218	Gmdrm	hypo	CHH	-0.0231
Gm05	38240046	38240833	Gmdrm	hypo	CHH	-0.0185
Gm05	38243904	38244900	Gmdrm	hypo	CHH	-0.0294
Gm05	38253675	38254663	Gmdrm	hypo	CHH	-0.0216
Gm05	38255684	38256679	Gmdrm	hypo	CHH	-0.1011
Gm05	38256687	38257344	Gmdrm	hypo	CHH	-0.1793
Gm05	38257482	38258383	Gmdrm	hypo	CHH	-0.0197
Gm05	38274880	38274951	Gmdrm	hypo	CHH	-0.0657
Gm05	38275182	38275968	Gmdrm	hypo	CHH	-0.0514
Gm05	38292052	38293038	Gmdrm	hypo	CHH	-0.021
Gm05	38295698	38296505	Gmdrm	hypo	CHH	-0.0662
Gm05	38301439	38302414	Gmdrm	hypo	CHH	-0.0273
Gm05	38308750	38309726	Gmdrm	hypo	CHH	-0.0191
Gm05	38333519	38333680	Gmdrm	hypo	CHH	-0.04
Gm05	38343520	38344507	Gmdrm	hypo	CHH	-0.0178
Gm05	38356785	38357661	Gmdrm	hypo	CHH	-0.0245
Gm05	38360862	38361862	Gmdrm	hypo	CHH	-0.0702
Gm05	38361864	38362857	Gmdrm	hypo	CHH	-0.0729
Gm05	38370219	38371176	Gmdrm	hypo	CHH	-0.1843
Gm05	38372260	38373260	Gmdrm	hypo	CHH	-0.0123
Gm05	38375524	38376518	Gmdrm	hypo	CHH	-0.0223
Gm05	38380675	38380906	Gmdrm	hypo	CHH	-0.0188
Gm05	38405743	38406741	Gmdrm	hypo	CHH	-0.0305
Gm05	38408120	38408528	Gmdrm	hypo	CHH	-0.0418
Gm05	38412747	38413739	Gmdrm	hypo	CHH	-0.0113
Gm05	38414855	38415836	Gmdrm	hypo	CHH	-0.0306
Gm05	38416869	38417809	Gmdrm	hypo	CHH	-0.2261
Gm05	38421044	38421171	Gmdrm	hypo	CHH	-0.0471
Gm05	38435036	38436026	Gmdrm	hypo	CHH	-0.2541

Gm05	38437355	38438346	Gmdrm	hypo	CHH	-0.103
Gm05	38440460	38441445	Gmdrm	hypo	CHH	-0.0185
Gm05	38453757	38454756	Gmdrm	hypo	CHH	-0.2199
Gm05	38455776	38456767	Gmdrm	hypo	CHH	-0.0111
Gm05	38456780	38457464	Gmdrm	hypo	CHH	-0.0675
Gm05	38459466	38460463	Gmdrm	hypo	CHH	-0.1057
Gm05	38460469	38461459	Gmdrm	hypo	CHH	-0.2724
Gm05	38463331	38464329	Gmdrm	hypo	CHH	-0.0146
Gm05	38486194	38487161	Gmdrm	hypo	CHH	-0.0169
Gm05	38489247	38490184	Gmdrm	hypo	CHH	-0.0277
Gm05	38494853	38495205	Gmdrm	hypo	CHH	-0.1031
Gm05	38497601	38498583	Gmdrm	hypo	CHH	-0.0169
Gm05	38508795	38509101	Gmdrm	hypo	CHH	-0.0237
Gm05	38515699	38516686	Gmdrm	hypo	CHH	-0.0156
Gm05	38525007	38526003	Gmdrm	hypo	CHH	-0.0242
Gm05	38526009	38527003	Gmdrm	hypo	CHH	-0.0504
Gm05	38532557	38533553	Gmdrm	hypo	CHH	-0.0149
Gm05	38533562	38534497	Gmdrm	hypo	CHH	-0.0168
Gm05	38542098	38543080	Gmdrm	hypo	CHH	-0.0217
Gm05	38549463	38550438	Gmdrm	hypo	CHH	-0.0126
Gm05	38553583	38554582	Gmdrm	hypo	CHH	-0.1545
Gm05	38561260	38562191	Gmdrm	hypo	CHH	-0.0282
Gm05	38564533	38565519	Gmdrm	hypo	CHH	-0.0554
Gm05	38565610	38566563	Gmdrm	hypo	CHH	-0.0588
Gm05	38569769	38570752	Gmdrm	hypo	CHH	-0.2519
Gm05	38581139	38581970	Gmdrm	hypo	CHH	-0.1739
Gm05	38609743	38610730	Gmdrm	hypo	CHH	-0.0364
Gm05	38610745	38611736	Gmdrm	hypo	CHH	-0.1347
Gm05	38612777	38613734	Gmdrm	hypo	CHH	-0.0268
Gm05	38624501	38625469	Gmdrm	hypo	CHH	-0.055
Gm05	38637882	38638882	Gmdrm	hypo	CHH	-0.1698
Gm05	38638886	38639872	Gmdrm	hypo	CHH	-0.0412
Gm05	38647063	38648062	Gmdrm	hypo	CHH	-0.0199
Gm05	38648065	38649041	Gmdrm	hypo	CHH	-0.0186
Gm05	38671394	38672390	Gmdrm	hypo	CHH	-0.0227
Gm05	38674519	38675513	Gmdrm	hypo	CHH	-0.1665
Gm05	38675524	38676384	Gmdrm	hypo	CHH	-0.1374
Gm05	38678001	38678996	Gmdrm	hypo	CHH	-0.0142
Gm05	38684302	38684827	Gmdrm	hypo	CHH	-0.0314
Gm05	38706073	38707059	Gmdrm	hypo	CHH	-0.3278
Gm05	38717916	38718906	Gmdrm	hypo	CHH	-0.0496
Gm05	38720944	38721941	Gmdrm	hypo	CHH	-0.1379
Gm05	38721945	38722943	Gmdrm	hypo	CHH	-0.0114
Gm05	38743280	38744274	Gmdrm	hypo	CHH	-0.1056
Gm05	38744283	38745282	Gmdrm	hypo	CHH	-0.2375
Gm05	38745290	38745839	Gmdrm	hypo	CHH	-0.3237

Gm05	38749649	38750627	Gmdrm	hypo	CHH	-0.0215
Gm05	38771009	38771998	Gmdrm	hypo	CHH	-0.1419
Gm05	38777054	38778030	Gmdrm	hypo	CHH	-0.0348
Gm05	38783048	38784015	Gmdrm	hypo	CHH	-0.2771
Gm05	38784066	38785018	Gmdrm	hypo	CHH	-0.0325
Gm05	38793018	38794004	Gmdrm	hypo	CHH	-0.0211
Gm05	38794020	38794967	Gmdrm	hypo	CHH	-0.0729
Gm05	38801632	38802632	Gmdrm	hypo	CHH	-0.0777
Gm05	38803671	38804627	Gmdrm	hypo	CHH	-0.052
Gm05	38813423	38813971	Gmdrm	hypo	CHH	-0.0304
Gm05	38821467	38822467	Gmdrm	hypo	CHH	-0.0753
Gm05	38822471	38823396	Gmdrm	hypo	CHH	-0.027
Gm05	38824887	38825796	Gmdrm	hypo	CHH	-0.2989
Gm05	38831287	38832287	Gmdrm	hypo	CHH	-0.0595
Gm05	38832650	38833635	Gmdrm	hypo	CHH	-0.0312
Gm05	38834233	38834751	Gmdrm	hypo	CHH	-0.0499
Gm05	38834919	38835913	Gmdrm	hypo	CHH	-0.0543
Gm05	38840590	38841586	Gmdrm	hypo	CHH	-0.0238
Gm05	38853436	38854387	Gmdrm	hypo	CHH	-0.0175
Gm05	38860524	38860832	Gmdrm	hypo	CHH	-0.1971
Gm05	38866576	38867548	Gmdrm	hypo	CHH	-0.0117
Gm05	38885526	38886119	Gmdrm	hypo	CHH	-0.0269
Gm05	38893160	38894151	Gmdrm	hypo	CHH	-0.1468
Gm05	38894170	38894426	Gmdrm	hypo	CHH	-0.0438
Gm05	38909975	38910067	Gmdrm	hypo	CHH	-0.08
Gm05	38911693	38912656	Gmdrm	hypo	CHH	-0.0243
Gm05	38935615	38936576	Gmdrm	hypo	CHH	-0.0283
Gm05	38952733	38953445	Gmdrm	hypo	CHH	-0.0257
Gm05	38954573	38955501	Gmdrm	hypo	CHH	-0.0158
Gm05	38969842	38970842	Gmdrm	hypo	CHH	-0.0165
Gm05	38970847	38971846	Gmdrm	hypo	CHH	-0.0185
Gm05	38978778	38979745	Gmdrm	hypo	CHH	-0.017
Gm05	38983833	38984166	Gmdrm	hypo	CHH	-0.0406
Gm05	38992450	38993437	Gmdrm	hypo	CHH	-0.0527
Gm05	38997945	38998939	Gmdrm	hypo	CHH	-0.1702
Gm05	38998953	38999946	Gmdrm	hypo	CHH	-0.2553
Gm05	39012676	39013671	Gmdrm	hypo	CHH	-0.2364
Gm05	39013677	39014667	Gmdrm	hypo	CHH	-0.1656
Gm05	39014678	39014839	Gmdrm	hypo	CHH	-0.1444
Gm05	39014990	39015986	Gmdrm	hypo	CHH	-0.0196
Gm05	39037579	39038304	Gmdrm	hypo	CHH	-0.3236
Gm05	39042436	39043433	Gmdrm	hypo	CHH	-0.0229
Gm05	39051024	39052023	Gmdrm	hypo	CHH	-0.1726
Gm05	39052034	39052459	Gmdrm	hypo	CHH	-0.1355
Gm05	39054612	39055598	Gmdrm	hypo	CHH	-0.0239
Gm05	39138211	39139206	Gmdrm	hypo	CHH	-0.0157

Gm05	39143817	39144796	Gmdrm	hypo	CHH	-0.0183
Gm05	39170519	39171513	Gmdrm	hypo	CHH	-0.0859
Gm05	39172546	39173546	Gmdrm	hypo	CHH	-0.0554
Gm05	39173558	39174558	Gmdrm	hypo	CHH	-0.0589
Gm05	39185223	39186212	Gmdrm	hypo	CHH	-0.0178
Gm05	39197681	39198671	Gmdrm	hypo	CHH	-0.0326
Gm05	39201164	39202158	Gmdrm	hypo	CHH	-0.0463
Gm05	39203169	39204163	Gmdrm	hypo	CHH	-0.1184
Gm05	39204172	39205171	Gmdrm	hypo	CHH	-0.131
Gm05	39211248	39212233	Gmdrm	hypo	CHH	-0.0313
Gm05	39218543	39219543	Gmdrm	hypo	CHH	-0.1436
Gm05	39219552	39219832	Gmdrm	hypo	CHH	-0.083
Gm05	39221005	39221993	Gmdrm	hypo	CHH	-0.0185
Gm05	39231509	39232508	Gmdrm	hypo	CHH	-0.109
Gm05	39235526	39236503	Gmdrm	hypo	CHH	-0.0271
Gm05	39241031	39242013	Gmdrm	hypo	CHH	-0.0179
Gm05	39243009	39244009	Gmdrm	hypo	CHH	-0.1229
Gm05	39244015	39244997	Gmdrm	hypo	CHH	-0.0561
Gm05	39247657	39248642	Gmdrm	hypo	CHH	-0.0157
Gm05	39251324	39252281	Gmdrm	hypo	CHH	-0.021
Gm05	39252330	39253291	Gmdrm	hypo	CHH	-0.0405
Gm05	39253387	39254381	Gmdrm	hypo	CHH	-0.0103
Gm05	39262417	39263415	Gmdrm	hypo	CHH	-0.1109
Gm05	39267099	39268096	Gmdrm	hypo	CHH	-0.0148
Gm05	39276867	39277198	Gmdrm	hypo	CHH	-0.0303
Gm05	39279435	39280427	Gmdrm	hypo	CHH	-0.018
Gm05	39289319	39290287	Gmdrm	hypo	CHH	-0.1018
Gm05	39301544	39301708	Gmdrm	hypo	CHH	-0.0329
Gm05	39310805	39311801	Gmdrm	hypo	CHH	-0.2712
Gm05	39319090	39320090	Gmdrm	hypo	CHH	-0.0286
Gm05	39324393	39325388	Gmdrm	hypo	CHH	-0.1126
Gm05	39359079	39360078	Gmdrm	hypo	CHH	-0.0755
Gm05	39368738	39369724	Gmdrm	hypo	CHH	-0.1168
Gm05	39373821	39374818	Gmdrm	hypo	CHH	-0.04
Gm05	39391929	39392928	Gmdrm	hypo	CHH	-0.0195
Gm05	39395662	39396656	Gmdrm	hypo	CHH	-0.0134
Gm05	39412895	39413895	Gmdrm	hypo	CHH	-0.0156
Gm05	39414918	39415917	Gmdrm	hypo	CHH	-0.0284
Gm05	39416306	39416603	Gmdrm	hypo	CHH	-0.0286
Gm05	39422770	39423755	Gmdrm	hypo	CHH	-0.0166
Gm05	39432329	39433327	Gmdrm	hypo	CHH	-0.0147
Gm05	39433343	39434032	Gmdrm	hypo	CHH	-0.2315
Gm05	39434495	39435430	Gmdrm	hypo	CHH	-0.0111
Gm05	39437379	39438204	Gmdrm	hypo	CHH	-0.3249
Gm05	39438307	39439243	Gmdrm	hypo	CHH	-0.0144
Gm05	39440639	39441639	Gmdrm	hypo	CHH	-0.0239

Gm05	39441641	39442628	Gmdrm	hypo	CHH	-0.0213
Gm05	39444958	39445879	Gmdrm	hypo	CHH	-0.0483
Gm05	39464117	39464308	Gmdrm	hypo	CHH	-0.0333
Gm05	39464537	39464799	Gmdrm	hypo	CHH	-0.0367
Gm05	39466330	39466746	Gmdrm	hypo	CHH	-0.0179
Gm05	39471032	39472024	Gmdrm	hypo	CHH	-0.0202
Gm05	39472036	39473008	Gmdrm	hypo	CHH	-0.0185
Gm05	39488436	39489433	Gmdrm	hypo	CHH	-0.0595
Gm05	39495653	39496653	Gmdrm	hypo	CHH	-0.0422
Gm05	39500884	39501880	Gmdrm	hypo	CHH	-0.0487
Gm05	39501893	39502657	Gmdrm	hypo	CHH	-0.2265
Gm05	39502782	39503778	Gmdrm	hypo	CHH	-0.0293
Gm05	39504021	39505019	Gmdrm	hypo	CHH	-0.0555
Gm05	39505024	39506021	Gmdrm	hypo	CHH	-0.1412
Gm05	39506031	39507022	Gmdrm	hypo	CHH	-0.0279
Gm05	39517256	39518240	Gmdrm	hypo	CHH	-0.0272
Gm05	39539343	39540340	Gmdrm	hypo	CHH	-0.0436
Gm05	39540389	39541369	Gmdrm	hypo	CHH	-0.1042
Gm05	39553303	39554287	Gmdrm	hypo	CHH	-0.0247
Gm05	39560036	39561021	Gmdrm	hypo	CHH	-0.0794
Gm05	39561251	39562234	Gmdrm	hypo	CHH	-0.0519
Gm05	39566410	39567397	Gmdrm	hypo	CHH	-0.1201
Gm05	39571647	39572630	Gmdrm	hypo	CHH	-0.0328
Gm05	39575469	39576456	Gmdrm	hypo	CHH	-0.0342
Gm05	39606279	39607259	Gmdrm	hypo	CHH	-0.0235
Gm05	39612560	39613546	Gmdrm	hypo	CHH	-0.1814
Gm05	39614568	39615542	Gmdrm	hypo	CHH	-0.0226
Gm05	39616284	39617278	Gmdrm	hypo	CHH	-0.0138
Gm05	39626323	39626973	Gmdrm	hypo	CHH	-0.0261
Gm05	39630120	39631087	Gmdrm	hypo	CHH	-0.013
Gm05	39635346	39636341	Gmdrm	hypo	CHH	-0.0096
Gm05	39659333	39660318	Gmdrm	hypo	CHH	-0.0206
Gm05	39668372	39668939	Gmdrm	hypo	CHH	-0.0149
Gm05	39672069	39672236	Gmdrm	hypo	CHH	-0.2306
Gm05	39675410	39676397	Gmdrm	hypo	CHH	-0.0438
Gm05	39676420	39677407	Gmdrm	hypo	CHH	-0.0193
Gm05	39677422	39678420	Gmdrm	hypo	CHH	-0.1245
Gm05	39680058	39680468	Gmdrm	hypo	CHH	-0.0431
Gm05	39689847	39690841	Gmdrm	hypo	CHH	-0.0137
Gm05	39692763	39693726	Gmdrm	hypo	CHH	-0.0679
Gm05	39693765	39694722	Gmdrm	hypo	CHH	-0.024
Gm05	39695779	39696762	Gmdrm	hypo	CHH	-0.0154
Gm05	39700703	39701466	Gmdrm	hypo	CHH	-0.1104
Gm05	39704004	39704966	Gmdrm	hypo	CHH	-0.3207
Gm05	39713353	39714353	Gmdrm	hypo	CHH	-0.0154
Gm05	39714359	39715336	Gmdrm	hypo	CHH	-0.0432

Gm05	39718739	39719708	Gmdrm	hypo	CHH	-0.0166
Gm05	39728959	39729218	Gmdrm	hypo	CHH	-0.0317
Gm05	39730215	39730632	Gmdrm	hypo	CHH	-0.0329
Gm05	39747465	39748463	Gmdrm	hypo	CHH	-0.0266
Gm05	39758046	39759042	Gmdrm	hypo	CHH	-0.0427
Gm05	39759066	39759199	Gmdrm	hypo	CHH	-0.2005
Gm05	39759326	39759617	Gmdrm	hypo	CHH	-0.1616
Gm05	39759913	39760910	Gmdrm	hypo	CHH	-0.0548
Gm05	39778376	39779349	Gmdrm	hypo	CHH	-0.0291
Gm05	39780453	39781430	Gmdrm	hypo	CHH	-0.0092
Gm05	39786207	39786589	Gmdrm	hypo	CHH	-0.0656
Gm05	39787724	39788558	Gmdrm	hypo	CHH	-0.0228
Gm05	39790751	39791751	Gmdrm	hypo	CHH	-0.0095
Gm05	39808123	39808817	Gmdrm	hypo	CHH	-0.0189
Gm05	39816606	39817577	Gmdrm	hypo	CHH	-0.0495
Gm05	39825685	39826674	Gmdrm	hypo	CHH	-0.1136
Gm05	39826691	39827661	Gmdrm	hypo	CHH	-0.0451
Gm05	39827694	39828652	Gmdrm	hypo	CHH	-0.0618
Gm05	39828696	39829691	Gmdrm	hypo	CHH	-0.0291
Gm05	39860503	39861501	Gmdrm	hypo	CHH	-0.271
Gm05	39861520	39862519	Gmdrm	hypo	CHH	-0.0456
Gm05	39876102	39877081	Gmdrm	hypo	CHH	-0.1462
Gm05	39879061	39879702	Gmdrm	hypo	CHH	-0.0325
Gm05	39883981	39884979	Gmdrm	hypo	CHH	-0.118
Gm05	39886001	39886998	Gmdrm	hypo	CHH	-0.1709
Gm05	39887003	39887991	Gmdrm	hypo	CHH	-0.2487
Gm05	39906087	39907087	Gmdrm	hypo	CHH	-0.147
Gm05	39907088	39908056	Gmdrm	hypo	CHH	-0.0771
Gm05	39908132	39909129	Gmdrm	hypo	CHH	-0.2061
Gm05	39909150	39910117	Gmdrm	hypo	CHH	-0.1039
Gm05	39913783	39914779	Gmdrm	hypo	CHH	-0.185
Gm05	39914785	39915780	Gmdrm	hypo	CHH	-0.0471
Gm05	39915790	39916785	Gmdrm	hypo	CHH	-0.038
Gm05	39929543	39930088	Gmdrm	hypo	CHH	-0.0175
Gm05	39937178	39938162	Gmdrm	hypo	CHH	-0.0189
Gm05	39939226	39940194	Gmdrm	hypo	CHH	-0.022
Gm05	39952927	39953884	Gmdrm	hypo	CHH	-0.0495
Gm05	39954974	39955963	Gmdrm	hypo	CHH	-0.1312
Gm05	39973467	39974440	Gmdrm	hypo	CHH	-0.0952
Gm05	39983571	39984564	Gmdrm	hypo	CHH	-0.0349
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Gm05	40028916	40029915	Gmdrm	hypo	CHH	-0.0161
Gm05	40041705	40042661	Gmdrm	hypo	CHH	-0.0647
Gm05	40042767	40043759	Gmdrm	hypo	CHH	-0.0234
Gm05	40059832	40060832	Gmdrm	hypo	CHH	-0.1045
Gm05	40060839	40061835	Gmdrm	hypo	CHH	-0.1182

Gm05	40062682	40063669	Gmdrm	hypo	CHH	-0.0381
Gm05	40063685	40064269	Gmdrm	hypo	CHH	-0.2114
Gm05	40064373	40065364	Gmdrm	hypo	CHH	-0.0263
Gm05	40065379	40066102	Gmdrm	hypo	CHH	-0.0522
Gm05	40068473	40069461	Gmdrm	hypo	CHH	-0.0222
Gm05	40079250	40080209	Gmdrm	hypo	CHH	-0.0553
Gm05	40080253	40081232	Gmdrm	hypo	CHH	-0.0703
Gm05	40081256	40082205	Gmdrm	hypo	CHH	-0.0731
Gm05	40093556	40094548	Gmdrm	hypo	CHH	-0.0091
Gm05	40095605	40095826	Gmdrm	hypo	CHH	-0.0537
Gm05	40121755	40122744	Gmdrm	hypo	CHH	-0.034
Gm05	40129419	40129495	Gmdrm	hypo	CHH	-0.0674
Gm05	40132178	40133167	Gmdrm	hypo	CHH	-0.0969
Gm05	40133189	40134181	Gmdrm	hypo	CHH	-0.0772
Gm05	40134680	40135663	Gmdrm	hypo	CHH	-0.0499
Gm05	40135688	40136687	Gmdrm	hypo	CHH	-0.0126
Gm05	40138042	40139042	Gmdrm	hypo	CHH	-0.025
Gm05	40139056	40140020	Gmdrm	hypo	CHH	-0.0387
Gm05	40140960	40141960	Gmdrm	hypo	CHH	-0.1383
Gm05	40141964	40142947	Gmdrm	hypo	CHH	-0.1496
Gm05	40172716	40173702	Gmdrm	hypo	CHH	-0.02
Gm05	40174777	40175750	Gmdrm	hypo	CHH	-0.0168
Gm05	40176987	40177964	Gmdrm	hypo	CHH	-0.0148
Gm05	40177995	40178955	Gmdrm	hypo	CHH	-0.0304
Gm05	40186096	40187096	Gmdrm	hypo	CHH	-0.1403
Gm05	40217229	40218224	Gmdrm	hypo	CHH	-0.0709
Gm05	40218235	40219231	Gmdrm	hypo	CHH	-0.1554
Gm05	40219240	40220237	Gmdrm	hypo	CHH	-0.0231
Gm05	40223044	40223831	Gmdrm	hypo	CHH	-0.0135
Gm05	40226018	40227012	Gmdrm	hypo	CHH	-0.0228
Gm05	40228638	40229077	Gmdrm	hypo	CHH	-0.0205
Gm05	40236728	40237718	Gmdrm	hypo	CHH	-0.0185
Gm05	40240897	40241196	Gmdrm	hypo	CHH	-0.035
Gm05	40247896	40248890	Gmdrm	hypo	CHH	-0.0475
Gm05	40248907	40249899	Gmdrm	hypo	CHH	-0.0152
Gm05	40257573	40258568	Gmdrm	hypo	CHH	-0.0211
Gm05	40264119	40265119	Gmdrm	hypo	CHH	-0.0639
Gm05	40275395	40276383	Gmdrm	hypo	CHH	-0.0645
Gm05	40306252	40307233	Gmdrm	hypo	CHH	-0.0449
Gm05	40310737	40311736	Gmdrm	hypo	CHH	-0.2047
Gm05	40311744	40312686	Gmdrm	hypo	CHH	-0.0179
Gm05	40313812	40314807	Gmdrm	hypo	CHH	-0.0171
Gm05	40328656	40329625	Gmdrm	hypo	CHH	-0.0809
Gm05	40330712	40331671	Gmdrm	hypo	CHH	-0.2021
Gm05	40338317	40339285	Gmdrm	hypo	CHH	-0.0175
Gm05	40352096	40353091	Gmdrm	hypo	CHH	-0.0344

Gm05	40360722	40361719	Gmdrm	hypo	CHH	-0.1407
Gm05	40361732	40361998	Gmdrm	hypo	CHH	-0.0965
Gm05	40372082	40372182	Gmdrm	hypo	CHH	-0.0271
Gm05	40380862	40381372	Gmdrm	hypo	CHH	-0.0166
Gm05	40397199	40398196	Gmdrm	hypo	CHH	-0.0138
Gm05	40398247	40399231	Gmdrm	hypo	CHH	-0.0156
Gm05	40401067	40401182	Gmdrm	hypo	CHH	-0.04
Gm05	40422548	40423547	Gmdrm	hypo	CHH	-0.0104
Gm05	40423551	40424551	Gmdrm	hypo	CHH	-0.017
Gm05	40424552	40425163	Gmdrm	hypo	CHH	-0.0236
Gm05	40441998	40442627	Gmdrm	hypo	CHH	-0.015
Gm05	40451570	40452563	Gmdrm	hypo	CHH	-0.0454
Gm05	40452583	40453555	Gmdrm	hypo	CHH	-0.0451
Gm05	40470710	40471704	Gmdrm	hypo	CHH	-0.0316
Gm05	40474297	40475297	Gmdrm	hypo	CHH	-0.063
Gm05	40475305	40476304	Gmdrm	hypo	CHH	-0.2249
Gm05	40476313	40477134	Gmdrm	hypo	CHH	-0.1261
Gm05	40477242	40478222	Gmdrm	hypo	CHH	-0.0195
Gm05	40479121	40479705	Gmdrm	hypo	CHH	-0.0222
Gm05	40480359	40480757	Gmdrm	hypo	CHH	-0.0232
Gm05	40486363	40487360	Gmdrm	hypo	CHH	-0.0127
Gm05	40498138	40499121	Gmdrm	hypo	CHH	-0.0278
Gm05	40499206	40500192	Gmdrm	hypo	CHH	-0.0237
Gm05	40505895	40506881	Gmdrm	hypo	CHH	-0.0156
Gm05	40507176	40508158	Gmdrm	hypo	CHH	-0.019
Gm05	40511203	40512203	Gmdrm	hypo	CHH	-0.0788
Gm05	40512204	40513168	Gmdrm	hypo	CHH	-0.0471
Gm05	40519727	40520723	Gmdrm	hypo	CHH	-0.0498
Gm05	40520733	40521428	Gmdrm	hypo	CHH	-0.1093
Gm05	40527537	40527997	Gmdrm	hypo	CHH	-0.0216
Gm05	40549177	40550177	Gmdrm	hypo	CHH	-0.0987
Gm05	40550180	40551083	Gmdrm	hypo	CHH	-0.1483
Gm05	40572060	40573052	Gmdrm	hypo	CHH	-0.0413
Gm05	40573083	40574051	Gmdrm	hypo	CHH	-0.0155
Gm05	40574674	40575671	Gmdrm	hypo	CHH	-0.0501
Gm05	40575676	40576663	Gmdrm	hypo	CHH	-0.108
Gm05	40580769	40581760	Gmdrm	hypo	CHH	-0.0727
Gm05	40586154	40587154	Gmdrm	hypo	CHH	-0.1411
Gm05	40587159	40588148	Gmdrm	hypo	CHH	-0.1564
Gm05	40591225	40592071	Gmdrm	hypo	CHH	-0.1483
Gm05	40603340	40604293	Gmdrm	hypo	CHH	-0.0169
Gm05	40611647	40612636	Gmdrm	hypo	CHH	-0.0557
Gm05	40612669	40613606	Gmdrm	hypo	CHH	-0.0132
Gm05	40617435	40617608	Gmdrm	hypo	CHH	-0.0337
Gm05	40642187	40643183	Gmdrm	hypo	CHH	-0.0623
Gm05	40643195	40644174	Gmdrm	hypo	CHH	-0.0315

Gm05	40659224	40660221	Gmdrm	hypo	CHH	-0.0172
Gm05	40664751	40665747	Gmdrm	hypo	CHH	-0.0264
Gm05	40671483	40672104	Gmdrm	hypo	CHH	-0.0967
Gm05	40672289	40672975	Gmdrm	hypo	CHH	-0.1798
Gm05	40674104	40675104	Gmdrm	hypo	CHH	-0.1147
Gm05	40675118	40675880	Gmdrm	hypo	CHH	-0.0848
Gm05	40689208	40690169	Gmdrm	hypo	CHH	-0.0449
Gm05	40690225	40691173	Gmdrm	hypo	CHH	-0.1044
Gm05	40691271	40691444	Gmdrm	hypo	CHH	-0.06
Gm05	40692565	40693533	Gmdrm	hypo	CHH	-0.064
Gm05	40703704	40704704	Gmdrm	hypo	CHH	-0.0852
Gm05	40704706	40705700	Gmdrm	hypo	CHH	-0.0323
Gm05	40705715	40706496	Gmdrm	hypo	CHH	-0.0806
Gm05	40706637	40706865	Gmdrm	hypo	CHH	-0.0543
Gm05	40713666	40714156	Gmdrm	hypo	CHH	-0.0514
Gm05	40714441	40715441	Gmdrm	hypo	CHH	-0.0154
Gm05	40715445	40716444	Gmdrm	hypo	CHH	-0.0139
Gm05	40725762	40726747	Gmdrm	hypo	CHH	-0.0135
Gm05	40741619	40742590	Gmdrm	hypo	CHH	-0.021
Gm05	40744020	40745009	Gmdrm	hypo	CHH	-0.0641
Gm05	40745022	40746022	Gmdrm	hypo	CHH	-0.0349
Gm05	40746038	40747036	Gmdrm	hypo	CHH	-0.0172
Gm05	40748043	40748683	Gmdrm	hypo	CHH	-0.0167
Gm05	40749928	40750925	Gmdrm	hypo	CHH	-0.0591
Gm05	40754002	40754444	Gmdrm	hypo	CHH	-0.0256
Gm05	40761471	40762470	Gmdrm	hypo	CHH	-0.0185
Gm05	40763595	40764584	Gmdrm	hypo	CHH	-0.0138
Gm05	40776828	40777826	Gmdrm	hypo	CHH	-0.0485
Gm05	40786882	40787855	Gmdrm	hypo	CHH	-0.0191
Gm05	40788899	40789887	Gmdrm	hypo	CHH	-0.0191
Gm05	40789901	40790638	Gmdrm	hypo	CHH	-0.042
Gm05	40791110	40792105	Gmdrm	hypo	CHH	-0.0119
Gm05	40794126	40795084	Gmdrm	hypo	CHH	-0.059
Gm05	40799928	40800276	Gmdrm	hypo	CHH	-0.033
Gm05	40800389	40801370	Gmdrm	hypo	CHH	-0.0185
Gm05	40802396	40803379	Gmdrm	hypo	CHH	-0.016
Gm05	40806454	40807064	Gmdrm	hypo	CHH	-0.0311
Gm05	40813290	40814241	Gmdrm	hypo	CHH	-0.0159
Gm05	40820081	40821024	Gmdrm	hypo	CHH	-0.0343
Gm05	40821099	40822076	Gmdrm	hypo	CHH	-0.0436
Gm05	40829228	40830215	Gmdrm	hypo	CHH	-0.1692
Gm05	40843257	40844257	Gmdrm	hypo	CHH	-0.0482
Gm05	40844272	40845271	Gmdrm	hypo	CHH	-0.112
Gm05	40845276	40846261	Gmdrm	hypo	CHH	-0.0547
Gm05	40851326	40852322	Gmdrm	hypo	CHH	-0.0702
Gm05	40852343	40853337	Gmdrm	hypo	CHH	-0.0572

Gm05	40853349	40854312	Gmdrm	hypo	CHH	-0.0964
Gm05	40855217	40856217	Gmdrm	hypo	CHH	-0.0329
Gm05	40856227	40857013	Gmdrm	hypo	CHH	-0.0279
Gm05	40865196	40866163	Gmdrm	hypo	CHH	-0.1179
Gm05	40870995	40871988	Gmdrm	hypo	CHH	-0.0295
Gm05	40872012	40872976	Gmdrm	hypo	CHH	-0.0677
Gm05	40874046	40875034	Gmdrm	hypo	CHH	-0.0121
Gm05	40875999	40876973	Gmdrm	hypo	CHH	-0.0216
Gm05	40878894	40879891	Gmdrm	hypo	CHH	-0.2333
Gm05	40879901	40880304	Gmdrm	hypo	CHH	-0.3451
Gm05	40885025	40885994	Gmdrm	hypo	CHH	-0.0527
Gm05	40888111	40889101	Gmdrm	hypo	CHH	-0.0734
Gm05	40907132	40907802	Gmdrm	hypo	CHH	-0.0164
Gm05	40916891	40916954	Gmdrm	hypo	CHH	-0.034
Gm05	40917583	40918437	Gmdrm	hypo	CHH	-0.1005
Gm05	40919300	40920298	Gmdrm	hypo	CHH	-0.2585
Gm05	40931206	40932203	Gmdrm	hypo	CHH	-0.0922
Gm05	40933226	40934081	Gmdrm	hypo	CHH	-0.0175
Gm05	40945722	40946720	Gmdrm	hypo	CHH	-0.0361
Gm05	40961566	40962561	Gmdrm	hypo	CHH	-0.0212
Gm05	40970325	40971296	Gmdrm	hypo	CHH	-0.0274
Gm05	40971341	40972334	Gmdrm	hypo	CHH	-0.0264
Gm05	40974749	40975742	Gmdrm	hypo	CHH	-0.0424
Gm05	40979810	40980808	Gmdrm	hypo	CHH	-0.0282
Gm05	40981997	40982994	Gmdrm	hypo	CHH	-0.0729
Gm05	40986988	40987984	Gmdrm	hypo	CHH	-0.1487
Gm05	41005892	41006010	Gmdrm	hypo	CHH	-0.04
Gm05	41012365	41013364	Gmdrm	hypo	CHH	-0.1008
Gm05	41022285	41023266	Gmdrm	hypo	CHH	-0.1272
Gm05	41024317	41025304	Gmdrm	hypo	CHH	-0.0191
Gm05	41025323	41026316	Gmdrm	hypo	CHH	-0.151
Gm05	41027029	41028023	Gmdrm	hypo	CHH	-0.0515
Gm05	41032529	41032921	Gmdrm	hypo	CHH	-0.0344
Gm05	41040240	41041190	Gmdrm	hypo	CHH	-0.0213
Gm05	41045746	41046745	Gmdrm	hypo	CHH	-0.0298
Gm05	41058380	41059370	Gmdrm	hypo	CHH	-0.043
Gm05	41069707	41070678	Gmdrm	hypo	CHH	-0.0185
Gm05	41090759	41091748	Gmdrm	hypo	CHH	-0.0645
Gm05	41094166	41095153	Gmdrm	hypo	CHH	-0.0238
Gm05	41107801	41108162	Gmdrm	hypo	CHH	-0.0286
Gm05	41108303	41108770	Gmdrm	hypo	CHH	-0.0412
Gm05	41112248	41113243	Gmdrm	hypo	CHH	-0.2871
Gm05	41114265	41115208	Gmdrm	hypo	CHH	-0.0218
Gm05	41116275	41117270	Gmdrm	hypo	CHH	-0.0291
Gm05	41122163	41123114	Gmdrm	hypo	CHH	-0.0815
Gm05	41124186	41125186	Gmdrm	hypo	CHH	-0.2761

Gm05	41125187	41126178	Gmdrm	hypo	CHH	-0.1949
Gm05	41129792	41129846	Gmdrm	hypo	CHH	-0.0927
Gm05	41131601	41132600	Gmdrm	hypo	CHH	-0.3226
Gm05	41132606	41133393	Gmdrm	hypo	CHH	-0.45
Gm05	41134522	41135452	Gmdrm	hypo	CHH	-0.1253
Gm05	41135554	41136544	Gmdrm	hypo	CHH	-0.0228
Gm05	41136565	41137028	Gmdrm	hypo	CHH	-0.0205
Gm05	41153549	41154541	Gmdrm	hypo	CHH	-0.1809
Gm05	41154557	41155031	Gmdrm	hypo	CHH	-0.0585
Gm05	41159310	41159659	Gmdrm	hypo	CHH	-0.0274
Gm05	41171206	41172179	Gmdrm	hypo	CHH	-0.0621
Gm05	41182359	41183216	Gmdrm	hypo	CHH	-0.0528
Gm05	41188949	41189933	Gmdrm	hypo	CHH	-0.0318
Gm05	41191717	41192474	Gmdrm	hypo	CHH	-0.0205
Gm05	41194621	41195561	Gmdrm	hypo	CHH	-0.1564
Gm05	41202609	41203586	Gmdrm	hypo	CHH	-0.0559
Gm05	41208229	41209217	Gmdrm	hypo	CHH	-0.016
Gm05	41211296	41211732	Gmdrm	hypo	CHH	-0.0432
Gm05	41234497	41235482	Gmdrm	hypo	CHH	-0.1691
Gm05	41235499	41236497	Gmdrm	hypo	CHH	-0.0314
Gm05	41262385	41263372	Gmdrm	hypo	CHH	-0.2625
Gm05	41289654	41290488	Gmdrm	hypo	CHH	-0.0203
Gm05	41303888	41304740	Gmdrm	hypo	CHH	-0.0296
Gm05	41309820	41310820	Gmdrm	hypo	CHH	-0.3841
Gm05	41310823	41311823	Gmdrm	hypo	CHH	-0.1001
Gm05	41312833	41313807	Gmdrm	hypo	CHH	-0.1228
Gm05	41319900	41319985	Gmdrm	hypo	CHH	-0.038
Gm05	41320240	41320494	Gmdrm	hypo	CHH	-0.0588
Gm05	41331857	41332853	Gmdrm	hypo	CHH	-0.0505
Gm05	41332860	41333855	Gmdrm	hypo	CHH	-0.0795
Gm05	41343083	41344072	Gmdrm	hypo	CHH	-0.0293
Gm05	41376238	41377233	Gmdrm	hypo	CHH	-0.0423
Gm05	41377240	41377876	Gmdrm	hypo	CHH	-0.0863
Gm05	41384977	41385951	Gmdrm	hypo	CHH	-0.0214
Gm05	41396696	41397689	Gmdrm	hypo	CHH	-0.1454
Gm05	41426169	41427138	Gmdrm	hypo	CHH	-0.0163
Gm05	41439319	41440319	Gmdrm	hypo	CHH	-0.0161
Gm05	41440324	41441320	Gmdrm	hypo	CHH	-0.0324
Gm05	41458410	41459410	Gmdrm	hypo	CHH	-0.0281
Gm05	41471216	41472214	Gmdrm	hypo	CHH	-0.0321
Gm05	41472608	41473590	Gmdrm	hypo	CHH	-0.015
Gm05	41475656	41476644	Gmdrm	hypo	CHH	-0.1622
Gm05	41476681	41476944	Gmdrm	hypo	CHH	-0.2105
Gm05	41482954	41483849	Gmdrm	hypo	CHH	-0.1946
Gm05	41488064	41489060	Gmdrm	hypo	CHH	-0.0155
Gm05	41505398	41506343	Gmdrm	hypo	CHH	-0.0299

Gm05	41508704	41509702	Gmdrm	hypo	CHH	-0.0303
Gm05	41510146	41511104	Gmdrm	hypo	CHH	-0.0204
Gm05	41512106	41513068	Gmdrm	hypo	CHH	-0.0213
Gm05	41519721	41520718	Gmdrm	hypo	CHH	-0.1041
Gm05	41520724	41521717	Gmdrm	hypo	CHH	-0.0379
Gm05	41522809	41523809	Gmdrm	hypo	CHH	-0.05
Gm05	41523811	41524799	Gmdrm	hypo	CHH	-0.102
Gm05	41540670	41541661	Gmdrm	hypo	CHH	-0.1167
Gm05	41551583	41552572	Gmdrm	hypo	CHH	-0.0356
Gm05	41556067	41557065	Gmdrm	hypo	CHH	-0.0946
Gm05	41557071	41558070	Gmdrm	hypo	CHH	-0.1507
Gm05	41574388	41575375	Gmdrm	hypo	CHH	-0.0169
Gm05	41583144	41584117	Gmdrm	hypo	CHH	-0.0144
Gm05	41585157	41586137	Gmdrm	hypo	CHH	-0.0265
Gm05	41589999	41590990	Gmdrm	hypo	CHH	-0.126
Gm05	41593025	41594002	Gmdrm	hypo	CHH	-0.0118
Gm05	41595048	41596045	Gmdrm	hypo	CHH	-0.0433
Gm05	41596052	41597050	Gmdrm	hypo	CHH	-0.1529
Gm05	41598434	41598902	Gmdrm	hypo	CHH	-0.0347
Gm05	41614375	41614498	Gmdrm	hypo	CHH	-0.1779
Gm05	41615991	41616968	Gmdrm	hypo	CHH	-0.0235
Gm05	41637298	41638297	Gmdrm	hypo	CHH	-0.0291
Gm05	41638301	41639300	Gmdrm	hypo	CHH	-0.0472
Gm05	41641311	41642305	Gmdrm	hypo	CHH	-0.0735
Gm05	41657338	41658315	Gmdrm	hypo	CHH	-0.0245
Gm05	41661824	41662599	Gmdrm	hypo	CHH	-0.0233
Gm05	41663589	41664449	Gmdrm	hypo	CHH	-0.0236
Gm05	41675791	41676169	Gmdrm	hypo	CHH	-0.0219
Gm05	41681614	41682614	Gmdrm	hypo	CHH	-0.0939
Gm05	41682616	41683616	Gmdrm	hypo	CHH	-0.0479
Gm05	41686633	41687625	Gmdrm	hypo	CHH	-0.0812
Gm05	41687637	41688484	Gmdrm	hypo	CHH	-0.0347
Gm05	41707448	41708432	Gmdrm	hypo	CHH	-0.0154
Gm05	41716012	41717007	Gmdrm	hypo	CHH	-0.0653
Gm05	41717013	41718013	Gmdrm	hypo	CHH	-0.0536
Gm05	41718017	41719009	Gmdrm	hypo	CHH	-0.1205
Gm05	41722212	41722816	Gmdrm	hypo	CHH	-0.1621
Gm05	41723951	41724721	Gmdrm	hypo	CHH	-0.0171
Gm05	41736141	41736798	Gmdrm	hypo	CHH	-0.0229
Gm05	41754665	41755647	Gmdrm	hypo	CHH	-0.0549
Gm05	41761217	41762205	Gmdrm	hypo	CHH	-0.031
Gm05	41764210	41764330	Gmdrm	hypo	CHH	-0.05
Gm05	41765398	41766293	Gmdrm	hypo	CHH	-0.0527
Gm05	41780580	41781557	Gmdrm	hypo	CHH	-0.0175
Gm05	41789166	41789832	Gmdrm	hypo	CHH	-0.0661
Gm05	41814202	41815009	Gmdrm	hypo	CHH	-0.0281

Gm05	41819161	41820161	Gmdrm	hypo	CHH	-0.0764
Gm05	41820166	41820270	Gmdrm	hypo	CHH	-0.225
Gm05	41829460	41829671	Gmdrm	hypo	CHH	-0.056
Gm05	41862340	41863107	Gmdrm	hypo	CHH	-0.019
Gm05	41894887	41895880	Gmdrm	hypo	CHH	-0.0197
Gm05	41907699	41908697	Gmdrm	hypo	CHH	-0.0938
Gm05	41909508	41910498	Gmdrm	hypo	CHH	-0.0929
Gm05	41913609	41913832	Gmdrm	hypo	CHH	-0.4158
Gm05	41930291	41931192	Gmdrm	hypo	CHH	-0.0185
Gm05	41931322	41932162	Gmdrm	hypo	CHH	-0.0875
Gm05	41932285	41933276	Gmdrm	hypo	CHH	-0.0702
Gm05	41945843	41946825	Gmdrm	hypo	CHH	-0.0423
Gm05	41946857	41947855	Gmdrm	hypo	CHH	-0.0426
Gm05	41961447	41962440	Gmdrm	hypo	CHH	-0.0162
Gm05	41963958	41964952	Gmdrm	hypo	CHH	-0.0856
Gm05	41964965	41965410	Gmdrm	hypo	CHH	-0.0564
Gm05	41966078	41967063	Gmdrm	hypo	CHH	-0.0198
Gm05	41990425	41991408	Gmdrm	hypo	CHH	-0.0304
Gm05	41991427	41992406	Gmdrm	hypo	CHH	-0.0216
Gm05	41992447	41993446	Gmdrm	hypo	CHH	-0.1162
Gm05	41993450	41994450	Gmdrm	hypo	CHH	-0.1053
Gm05	42001500	42002451	Gmdrm	hypo	CHH	-0.0282
Gm05	42013600	42013794	Gmdrm	hypo	CHH	-0.0762
Gm05	42019144	42020142	Gmdrm	hypo	CHH	-0.0182
Gm05	42021705	42022686	Gmdrm	hypo	CHH	-0.1354
Gm05	42022724	42023721	Gmdrm	hypo	CHH	-0.1817
Gm05	42023726	42024720	Gmdrm	hypo	CHH	-0.0475
Gm05	42052551	42053550	Gmdrm	hypo	CHH	-0.1336
Gm05	42053552	42054317	Gmdrm	hypo	CHH	-0.241
Gm05	42066227	42067227	Gmdrm	hypo	CHH	-0.1293
Gm05	42068656	42069644	Gmdrm	hypo	CHH	-0.0769
Gm05	42069657	42070514	Gmdrm	hypo	CHH	-0.108
Gm05	42070863	42071161	Gmdrm	hypo	CHH	-0.2168
Gm05	42071271	42072225	Gmdrm	hypo	CHH	-0.2397
Gm05	42085295	42086281	Gmdrm	hypo	CHH	-0.0299
Gm05	42091866	42092862	Gmdrm	hypo	CHH	-0.0762
Gm05	42093890	42094152	Gmdrm	hypo	CHH	-0.1927
Gm05	42110682	42111172	Gmdrm	hypo	CHH	-0.0682
Gm05	42112381	42113378	Gmdrm	hypo	CHH	-0.1018
Gm05	42113382	42114365	Gmdrm	hypo	CHH	-0.0865
Gm05	42114439	42115404	Gmdrm	hypo	CHH	-0.0182
Gm05	42123319	42124259	Gmdrm	hypo	CHH	-0.0553
Gm05	42133803	42134803	Gmdrm	hypo	CHH	-0.0135
Gm05	42135676	42136661	Gmdrm	hypo	CHH	-0.065
Gm05	42136679	42137663	Gmdrm	hypo	CHH	-0.1222
Gm05	42139886	42140883	Gmdrm	hypo	CHH	-0.0239

Gm05	42141922	42142922	Gmdrm	hypo	CHH	-0.065
Gm05	42143930	42144929	Gmdrm	hypo	CHH	-0.0543
Gm05	42144931	42145916	Gmdrm	hypo	CHH	-0.1872
Gm05	42147806	42148800	Gmdrm	hypo	CHH	-0.0231
Gm05	42148824	42149812	Gmdrm	hypo	CHH	-0.106
Gm05	42155305	42156296	Gmdrm	hypo	CHH	-0.2208
Gm05	42181577	42182573	Gmdrm	hypo	CHH	-0.0868
Gm05	42185004	42186002	Gmdrm	hypo	CHH	-0.156
Gm05	42186032	42187021	Gmdrm	hypo	CHH	-0.0159
Gm05	42189154	42190044	Gmdrm	hypo	CHH	-0.029
Gm05	42211195	42212195	Gmdrm	hypo	CHH	-0.0969
Gm05	42212197	42213195	Gmdrm	hypo	CHH	-0.1232
Gm05	42217765	42218763	Gmdrm	hypo	CHH	-0.0484
Gm05	42218768	42219761	Gmdrm	hypo	CHH	-0.064
Gm05	42229327	42230320	Gmdrm	hypo	CHH	-0.0259
Gm05	42233941	42234928	Gmdrm	hypo	CHH	-0.0339
Gm05	42244358	42245348	Gmdrm	hypo	CHH	-0.0163
Gm05	42251939	42252938	Gmdrm	hypo	CHH	-0.0147
Gm05	42253271	42253591	Gmdrm	hypo	CHH	-0.0318
Gm05	42254790	42255783	Gmdrm	hypo	CHH	-0.4036
Gm05	42259558	42260550	Gmdrm	hypo	CHH	-0.0881
Gm05	42260567	42261567	Gmdrm	hypo	CHH	-0.1179
Gm05	42261569	42262552	Gmdrm	hypo	CHH	-0.1142
Gm05	42262591	42262918	Gmdrm	hypo	CHH	-0.0587
Gm05	42263106	42264106	Gmdrm	hypo	CHH	-0.0845
Gm05	42269697	42270509	Gmdrm	hypo	CHH	-0.1221
Gm05_scaffo	2159	2742	Gmdrm	hypo	CHH	-0.0158
Gm05_scaffo	10833	11799	Gmdrm	hypo	CHH	-0.0183
Gm05_scaffo	12633	13625	Gmdrm	hypo	CHH	-0.1992
Gm05_scaffo	23513	24106	Gmdrm	hypo	CHH	-0.0454
Gm05_scaffo	32050	33049	Gmdrm	hypo	CHH	-0.1363
Gm05_scaffo	38891	39842	Gmdrm	hypo	CHH	-0.0281
Gm05_scaffo	9109	10098	Gmdrm	hypo	CHH	-0.0259
Gm05_scaffo	15672	16653	Gmdrm	hypo	CHH	-0.0163
Gm05_scaffo	21275	22263	Gmdrm	hypo	CHH	-0.0213
Gm05_scaffo	34698	35659	Gmdrm	hypo	CHH	-0.3556
Gm05_scaffo	36106	36455	Gmdrm	hypo	CHH	-0.0347
Gm05_scaffo	58063	59027	Gmdrm	hypo	CHH	-0.0349
Gm05_scaffo	70590	71587	Gmdrm	hypo	CHH	-0.2053
Gm05_scaffo	71610	72608	Gmdrm	hypo	CHH	-0.1567
Gm05_scaffo	72614	73101	Gmdrm	hypo	CHH	-0.2251
Gm05_scaffo	77241	78241	Gmdrm	hypo	CHH	-0.0132
Gm05_scaffo	78254	79242	Gmdrm	hypo	CHH	-0.0166
Gm05_scaffo	81622	82530	Gmdrm	hypo	CHH	-0.021
Gm05_scaffo	83629	84629	Gmdrm	hypo	CHH	-0.0274
Gm05_scaffo	90280	91235	Gmdrm	hypo	CHH	-0.0352

Gm06	1421	2416 Gmdrm	hypo	CHH	-0.0917
Gm06	9517	10471 Gmdrm	hypo	CHH	-0.0325
Gm06	12644	13634 Gmdrm	hypo	CHH	-0.0353
Gm06	13646	13771 Gmdrm	hypo	CHH	-0.0888
Gm06	19522	20477 Gmdrm	hypo	CHH	-0.0548
Gm06	20528	21526 Gmdrm	hypo	CHH	-0.0178
Gm06	27722	28718 Gmdrm	hypo	CHH	-0.1144
Gm06	28760	29117 Gmdrm	hypo	CHH	-0.1592
Gm06	29421	30014 Gmdrm	hypo	CHH	-0.1169
Gm06	35258	36258 Gmdrm	hypo	CHH	-0.0173
Gm06	36283	37270 Gmdrm	hypo	CHH	-0.0883
Gm06	43494	44493 Gmdrm	hypo	CHH	-0.0149
Gm06	50654	51645 Gmdrm	hypo	CHH	-0.0229
Gm06	51656	52643 Gmdrm	hypo	CHH	-0.0717
Gm06	52665	53625 Gmdrm	hypo	CHH	-0.0269
Gm06	55590	56567 Gmdrm	hypo	CHH	-0.0154
Gm06	57830	58830 Gmdrm	hypo	CHH	-0.0326
Gm06	61868	62866 Gmdrm	hypo	CHH	-0.0519
Gm06	71001	71837 Gmdrm	hypo	CHH	-0.0181
Gm06	95657	96646 Gmdrm	hypo	CHH	-0.0289
Gm06	97693	98649 Gmdrm	hypo	CHH	-0.0239
Gm06	103691	103856 Gmdrm	hypo	CHH	-0.0571
Gm06	113940	114936 Gmdrm	hypo	CHH	-0.0179
Gm06	115185	116176 Gmdrm	hypo	CHH	-0.053
Gm06	117073	117943 Gmdrm	hypo	CHH	-0.0322
Gm06	122176	123176 Gmdrm	hypo	CHH	-0.1406
Gm06	123181	123412 Gmdrm	hypo	CHH	-0.0604
Gm06	128912	129910 Gmdrm	hypo	CHH	-0.019
Gm06	134734	135733 Gmdrm	hypo	CHH	-0.0228
Gm06	139138	140110 Gmdrm	hypo	CHH	-0.0294
Gm06	143294	144234 Gmdrm	hypo	CHH	-0.0294
Gm06	148605	149532 Gmdrm	hypo	CHH	-0.0826
Gm06	171384	172371 Gmdrm	hypo	CHH	-0.0169
Gm06	183444	184423 Gmdrm	hypo	CHH	-0.0249
Gm06	186138	187073 Gmdrm	hypo	CHH	-0.0192
Gm06	195217	196215 Gmdrm	hypo	CHH	-0.0175
Gm06	205945	206922 Gmdrm	hypo	CHH	-0.0139
Gm06	209980	210980 Gmdrm	hypo	CHH	-0.0995
Gm06	224683	225666 Gmdrm	hypo	CHH	-0.0152
Gm06	226698	227584 Gmdrm	hypo	CHH	-0.0257
Gm06	260081	261068 Gmdrm	hypo	CHH	-0.0115
Gm06	266472	267434 Gmdrm	hypo	CHH	-0.0145
Gm06	275132	276112 Gmdrm	hypo	CHH	-0.0922
Gm06	283783	284782 Gmdrm	hypo	CHH	-0.028
Gm06	284787	285787 Gmdrm	hypo	CHH	-0.0562
Gm06	287800	288788 Gmdrm	hypo	CHH	-0.116

Gm06	288807	289283	Gmdrm	hypo	CHH	-0.064
Gm06	305630	306630	Gmdrm	hypo	CHH	-0.0593
Gm06	306669	307657	Gmdrm	hypo	CHH	-0.0127
Gm06	309520	310357	Gmdrm	hypo	CHH	-0.0416
Gm06	327213	328205	Gmdrm	hypo	CHH	-0.0453
Gm06	330618	331615	Gmdrm	hypo	CHH	-0.1193
Gm06	342639	343638	Gmdrm	hypo	CHH	-0.3509
Gm06	343664	344646	Gmdrm	hypo	CHH	-0.295
Gm06	355137	356135	Gmdrm	hypo	CHH	-0.0413
Gm06	356139	357106	Gmdrm	hypo	CHH	-0.0461
Gm06	359335	360326	Gmdrm	hypo	CHH	-0.1121
Gm06	360339	361315	Gmdrm	hypo	CHH	-0.1306
Gm06	389990	390089	Gmdrm	hypo	CHH	-0.0772
Gm06	393745	394593	Gmdrm	hypo	CHH	-0.4324
Gm06	400924	401924	Gmdrm	hypo	CHH	-0.0227
Gm06	405546	406500	Gmdrm	hypo	CHH	-0.0297
Gm06	411834	412818	Gmdrm	hypo	CHH	-0.015
Gm06	418883	419873	Gmdrm	hypo	CHH	-0.0127
Gm06	422452	423452	Gmdrm	hypo	CHH	-0.09
Gm06	423457	423876	Gmdrm	hypo	CHH	-0.0389
Gm06	427887	428875	Gmdrm	hypo	CHH	-0.0469
Gm06	428916	429916	Gmdrm	hypo	CHH	-0.1042
Gm06	429927	430878	Gmdrm	hypo	CHH	-0.063
Gm06	430939	431925	Gmdrm	hypo	CHH	-0.06
Gm06	431945	432940	Gmdrm	hypo	CHH	-0.0362
Gm06	436834	437827	Gmdrm	hypo	CHH	-0.3179
Gm06	437835	438813	Gmdrm	hypo	CHH	-0.1521
Gm06	456707	457699	Gmdrm	hypo	CHH	-0.0125
Gm06	474196	475196	Gmdrm	hypo	CHH	-0.1699
Gm06	475201	476191	Gmdrm	hypo	CHH	-0.0394
Gm06	476375	477371	Gmdrm	hypo	CHH	-0.1696
Gm06	477612	478611	Gmdrm	hypo	CHH	-0.1389
Gm06	478613	479603	Gmdrm	hypo	CHH	-0.1206
Gm06	479640	480634	Gmdrm	hypo	CHH	-0.115
Gm06	480661	481608	Gmdrm	hypo	CHH	-0.1989
Gm06	483477	484218	Gmdrm	hypo	CHH	-0.0264
Gm06	486427	487423	Gmdrm	hypo	CHH	-0.059
Gm06	489400	490388	Gmdrm	hypo	CHH	-0.1435
Gm06	492895	493888	Gmdrm	hypo	CHH	-0.0131
Gm06	500627	501290	Gmdrm	hypo	CHH	-0.0347
Gm06	501711	502699	Gmdrm	hypo	CHH	-0.0264
Gm06	503897	504892	Gmdrm	hypo	CHH	-0.0505
Gm06	505956	506945	Gmdrm	hypo	CHH	-0.0202
Gm06	507966	508943	Gmdrm	hypo	CHH	-0.0353
Gm06	511089	512087	Gmdrm	hypo	CHH	-0.0421
Gm06	517925	518189	Gmdrm	hypo	CHH	-0.0375

Gm06	521097	522029	Gmdrm	hypo	CHH	-0.0316
Gm06	522255	523249	Gmdrm	hypo	CHH	-0.15
Gm06	523277	524276	Gmdrm	hypo	CHH	-0.0867
Gm06	524279	525243	Gmdrm	hypo	CHH	-0.1821
Gm06	532923	533864	Gmdrm	hypo	CHH	-0.3524
Gm06	538704	539209	Gmdrm	hypo	CHH	-0.0415
Gm06	541390	542364	Gmdrm	hypo	CHH	-0.0813
Gm06	548960	549959	Gmdrm	hypo	CHH	-0.0651
Gm06	552050	553046	Gmdrm	hypo	CHH	-0.0328
Gm06	561004	561997	Gmdrm	hypo	CHH	-0.1776
Gm06	562006	562994	Gmdrm	hypo	CHH	-0.0439
Gm06	563096	563293	Gmdrm	hypo	CHH	-0.0275
Gm06	568308	569295	Gmdrm	hypo	CHH	-0.01
Gm06	578270	579246	Gmdrm	hypo	CHH	-0.019
Gm06	591920	592918	Gmdrm	hypo	CHH	-0.1082
Gm06	612805	613804	Gmdrm	hypo	CHH	-0.0178
Gm06	615640	616619	Gmdrm	hypo	CHH	-0.0164
Gm06	624785	625779	Gmdrm	hypo	CHH	-0.0193
Gm06	635271	636230	Gmdrm	hypo	CHH	-0.0194
Gm06	636276	637233	Gmdrm	hypo	CHH	-0.0226
Gm06	645555	646484	Gmdrm	hypo	CHH	-0.0328
Gm06	647580	647747	Gmdrm	hypo	CHH	-0.0307
Gm06	650752	651745	Gmdrm	hypo	CHH	-0.3175
Gm06	665394	666394	Gmdrm	hypo	CHH	-0.03
Gm06	666397	667392	Gmdrm	hypo	CHH	-0.1475
Gm06	669420	669861	Gmdrm	hypo	CHH	-0.0353
Gm06	670065	671051	Gmdrm	hypo	CHH	-0.0546
Gm06	672470	673465	Gmdrm	hypo	CHH	-0.0225
Gm06	676205	677107	Gmdrm	hypo	CHH	-0.049
Gm06	678251	679245	Gmdrm	hypo	CHH	-0.1326
Gm06	679257	680242	Gmdrm	hypo	CHH	-0.0468
Gm06	682775	683771	Gmdrm	hypo	CHH	-0.0427
Gm06	687637	687927	Gmdrm	hypo	CHH	-0.0333
Gm06	689056	690056	Gmdrm	hypo	CHH	-0.0154
Gm06	711574	712562	Gmdrm	hypo	CHH	-0.048
Gm06	715254	716150	Gmdrm	hypo	CHH	-0.1633
Gm06	728428	729426	Gmdrm	hypo	CHH	-0.0631
Gm06	735174	736170	Gmdrm	hypo	CHH	-0.1186
Gm06	736175	736556	Gmdrm	hypo	CHH	-0.0374
Gm06	757166	757986	Gmdrm	hypo	CHH	-0.0149
Gm06	764983	765977	Gmdrm	hypo	CHH	-0.0144
Gm06	766486	767480	Gmdrm	hypo	CHH	-0.192
Gm06	767497	768483	Gmdrm	hypo	CHH	-0.1145
Gm06	781963	782951	Gmdrm	hypo	CHH	-0.0138
Gm06	782978	783971	Gmdrm	hypo	CHH	-0.2387
Gm06	794719	795716	Gmdrm	hypo	CHH	-0.2255

Gm06	811650	812645 Gmdrm	hypo	CHH	-0.0715
Gm06	812661	813660 Gmdrm	hypo	CHH	-0.0824
Gm06	813663	814290 Gmdrm	hypo	CHH	-0.1261
Gm06	820277	821276 Gmdrm	hypo	CHH	-0.0196
Gm06	821290	822257 Gmdrm	hypo	CHH	-0.023
Gm06	826686	827665 Gmdrm	hypo	CHH	-0.2333
Gm06	840262	841260 Gmdrm	hypo	CHH	-0.0198
Gm06	841282	842270 Gmdrm	hypo	CHH	-0.0183
Gm06	842283	843282 Gmdrm	hypo	CHH	-0.2106
Gm06	843291	844290 Gmdrm	hypo	CHH	-0.0465
Gm06	856780	857779 Gmdrm	hypo	CHH	-0.2007
Gm06	876859	877854 Gmdrm	hypo	CHH	-0.0259
Gm06	891740	892399 Gmdrm	hypo	CHH	-0.0571
Gm06	892551	893545 Gmdrm	hypo	CHH	-0.0642
Gm06	901947	902928 Gmdrm	hypo	CHH	-0.0137
Gm06	907030	907597 Gmdrm	hypo	CHH	-0.0425
Gm06	909806	910787 Gmdrm	hypo	CHH	-0.2711
Gm06	912997	913938 Gmdrm	hypo	CHH	-0.0154
Gm06	917938	918915 Gmdrm	hypo	CHH	-0.0347
Gm06	918941	919872 Gmdrm	hypo	CHH	-0.016
Gm06	938023	939022 Gmdrm	hypo	CHH	-0.0762
Gm06	939024	939995 Gmdrm	hypo	CHH	-0.022
Gm06	941233	941886 Gmdrm	hypo	CHH	-0.018
Gm06	960422	961064 Gmdrm	hypo	CHH	-0.0863
Gm06	969178	970166 Gmdrm	hypo	CHH	-0.0199
Gm06	973249	974155 Gmdrm	hypo	CHH	-0.0104
Gm06	974265	974410 Gmdrm	hypo	CHH	-0.0487
Gm06	977585	978570 Gmdrm	hypo	CHH	-0.0173
Gm06	979018	979961 Gmdrm	hypo	CHH	-0.0301
Gm06	998441	999439 Gmdrm	hypo	CHH	-0.0236
Gm06	999458	1000452 Gmdrm	hypo	CHH	-0.0311
Gm06	1006633	1007616 Gmdrm	hypo	CHH	-0.017
Gm06	1007663	1007825 Gmdrm	hypo	CHH	-0.05
Gm06	1012987	1013645 Gmdrm	hypo	CHH	-0.0432
Gm06	1027053	1028042 Gmdrm	hypo	CHH	-0.0224
Gm06	1032778	1033778 Gmdrm	hypo	CHH	-0.1248
Gm06	1033779	1034758 Gmdrm	hypo	CHH	-0.2875
Gm06	1036793	1037748 Gmdrm	hypo	CHH	-0.0313
Gm06	1047807	1048750 Gmdrm	hypo	CHH	-0.1152
Gm06	1063325	1064253 Gmdrm	hypo	CHH	-0.0178
Gm06	1077739	1078727 Gmdrm	hypo	CHH	-0.0322
Gm06	1081971	1082965 Gmdrm	hypo	CHH	-0.018
Gm06	1088727	1089705 Gmdrm	hypo	CHH	-0.0164
Gm06	1090372	1091274 Gmdrm	hypo	CHH	-0.0185
Gm06	1096891	1097492 Gmdrm	hypo	CHH	-0.0273
Gm06	1098642	1099639 Gmdrm	hypo	CHH	-0.0105

Gm06	1108098	1108859 Gmdrm	hypo	CHH	-0.0178
Gm06	1109000	1110000 Gmdrm	hypo	CHH	-0.036
Gm06	1110008	1111007 Gmdrm	hypo	CHH	-0.0622
Gm06	1124145	1125143 Gmdrm	hypo	CHH	-0.1857
Gm06	1125154	1126150 Gmdrm	hypo	CHH	-0.1219
Gm06	1127180	1128175 Gmdrm	hypo	CHH	-0.013
Gm06	1142087	1143082 Gmdrm	hypo	CHH	-0.0218
Gm06	1143108	1144096 Gmdrm	hypo	CHH	-0.0207
Gm06	1144758	1144949 Gmdrm	hypo	CHH	-0.0291
Gm06	1151888	1152396 Gmdrm	hypo	CHH	-0.0506
Gm06	1158605	1159550 Gmdrm	hypo	CHH	-0.0597
Gm06	1160932	1161512 Gmdrm	hypo	CHH	-0.0296
Gm06	1167597	1168593 Gmdrm	hypo	CHH	-0.0554
Gm06	1168612	1169612 Gmdrm	hypo	CHH	-0.0365
Gm06	1171651	1172615 Gmdrm	hypo	CHH	-0.08
Gm06	1174712	1174766 Gmdrm	hypo	CHH	-0.062
Gm06	1188440	1189089 Gmdrm	hypo	CHH	-0.1459
Gm06	1215162	1216160 Gmdrm	hypo	CHH	-0.122
Gm06	1216166	1216445 Gmdrm	hypo	CHH	-0.1684
Gm06	1218540	1219111 Gmdrm	hypo	CHH	-0.0635
Gm06	1219714	1220658 Gmdrm	hypo	CHH	-0.0423
Gm06	1223153	1224142 Gmdrm	hypo	CHH	-0.0266
Gm06	1236020	1236766 Gmdrm	hypo	CHH	-0.2157
Gm06	1236938	1237934 Gmdrm	hypo	CHH	-0.0447
Gm06	1237940	1238927 Gmdrm	hypo	CHH	-0.1462
Gm06	1249153	1250139 Gmdrm	hypo	CHH	-0.0157
Gm06	1255416	1256397 Gmdrm	hypo	CHH	-0.0365
Gm06	1258432	1259430 Gmdrm	hypo	CHH	-0.074
Gm06	1259434	1260433 Gmdrm	hypo	CHH	-0.0655
Gm06	1261902	1262901 Gmdrm	hypo	CHH	-0.0117
Gm06	1262915	1263908 Gmdrm	hypo	CHH	-0.0187
Gm06	1282864	1283841 Gmdrm	hypo	CHH	-0.0418
Gm06	1297542	1298534 Gmdrm	hypo	CHH	-0.0165
Gm06	1298544	1299529 Gmdrm	hypo	CHH	-0.049
Gm06	1319871	1320869 Gmdrm	hypo	CHH	-0.019
Gm06	1321394	1322371 Gmdrm	hypo	CHH	-0.0151
Gm06	1323433	1324394 Gmdrm	hypo	CHH	-0.0798
Gm06	1332586	1333584 Gmdrm	hypo	CHH	-0.1521
Gm06	1333589	1334584 Gmdrm	hypo	CHH	-0.0611
Gm06	1334591	1335584 Gmdrm	hypo	CHH	-0.0498
Gm06	1335600	1336590 Gmdrm	hypo	CHH	-0.1579
Gm06	1342865	1343851 Gmdrm	hypo	CHH	-0.0217
Gm06	1346037	1347021 Gmdrm	hypo	CHH	-0.0169
Gm06	1348042	1349039 Gmdrm	hypo	CHH	-0.1546
Gm06	1349051	1350015 Gmdrm	hypo	CHH	-0.0107
Gm06	1351100	1352098 Gmdrm	hypo	CHH	-0.0305

Gm06	1360087	1360785 Gmdrm	hypo	CHH	-0.2671
Gm06	1365107	1366094 Gmdrm	hypo	CHH	-0.0332
Gm06	1370156	1371131 Gmdrm	hypo	CHH	-0.0191
Gm06	1390442	1391420 Gmdrm	hypo	CHH	-0.0497
Gm06	1395651	1396636 Gmdrm	hypo	CHH	-0.0292
Gm06	1410528	1410974 Gmdrm	hypo	CHH	-0.0331
Gm06	1444197	1445197 Gmdrm	hypo	CHH	-0.0752
Gm06	1445200	1446188 Gmdrm	hypo	CHH	-0.0299
Gm06	1450741	1451534 Gmdrm	hypo	CHH	-0.0262
Gm06	1460171	1461170 Gmdrm	hypo	CHH	-0.1368
Gm06	1474207	1475168 Gmdrm	hypo	CHH	-0.0288
Gm06	1491199	1492198 Gmdrm	hypo	CHH	-0.1245
Gm06	1492200	1493189 Gmdrm	hypo	CHH	-0.1926
Gm06	1501709	1502709 Gmdrm	hypo	CHH	-0.0751
Gm06	1527573	1528531 Gmdrm	hypo	CHH	-0.0957
Gm06	1530864	1531859 Gmdrm	hypo	CHH	-0.092
Gm06	1531873	1532810 Gmdrm	hypo	CHH	-0.0162
Gm06	1538329	1539329 Gmdrm	hypo	CHH	-0.2045
Gm06	1539333	1540328 Gmdrm	hypo	CHH	-0.1419
Gm06	1550872	1551857 Gmdrm	hypo	CHH	-0.0272
Gm06	1563701	1564699 Gmdrm	hypo	CHH	-0.1103
Gm06	1581129	1581837 Gmdrm	hypo	CHH	-0.0122
Gm06	1592165	1593160 Gmdrm	hypo	CHH	-0.2211
Gm06	1593166	1594120 Gmdrm	hypo	CHH	-0.1349
Gm06	1596961	1597952 Gmdrm	hypo	CHH	-0.014
Gm06	1600616	1601588 Gmdrm	hypo	CHH	-0.132
Gm06	1603656	1604648 Gmdrm	hypo	CHH	-0.0216
Gm06	1622769	1623766 Gmdrm	hypo	CHH	-0.0189
Gm06	1626833	1627653 Gmdrm	hypo	CHH	-0.0203
Gm06	1640527	1640744 Gmdrm	hypo	CHH	-0.057
Gm06	1666985	1667985 Gmdrm	hypo	CHH	-0.0719
Gm06	1667993	1668993 Gmdrm	hypo	CHH	-0.2165
Gm06	1670032	1671028 Gmdrm	hypo	CHH	-0.0278
Gm06	1695743	1696734 Gmdrm	hypo	CHH	-0.0136
Gm06	1696759	1697756 Gmdrm	hypo	CHH	-0.1306
Gm06	1713722	1714709 Gmdrm	hypo	CHH	-0.0631
Gm06	1723278	1724212 Gmdrm	hypo	CHH	-0.0175
Gm06	1736415	1736833 Gmdrm	hypo	CHH	-0.164
Gm06	1737169	1738096 Gmdrm	hypo	CHH	-0.1599
Gm06	1764620	1765021 Gmdrm	hypo	CHH	-0.0745
Gm06	1766628	1767625 Gmdrm	hypo	CHH	-0.2947
Gm06	1771934	1772901 Gmdrm	hypo	CHH	-0.0256
Gm06	1772950	1772991 Gmdrm	hypo	CHH	-0.0637
Gm06	1794404	1795378 Gmdrm	hypo	CHH	-0.0154
Gm06	1798649	1799285 Gmdrm	hypo	CHH	-0.0593
Gm06	1808305	1809304 Gmdrm	hypo	CHH	-0.0139

Gm06	1813108	1814106 Gmdrm	hypo	CHH	-0.0635
Gm06	1816328	1817304 Gmdrm	hypo	CHH	-0.1384
Gm06	1821174	1822170 Gmdrm	hypo	CHH	-0.2989
Gm06	1822606	1823597 Gmdrm	hypo	CHH	-0.0144
Gm06	1833442	1834426 Gmdrm	hypo	CHH	-0.0323
Gm06	1835482	1835926 Gmdrm	hypo	CHH	-0.0272
Gm06	1857708	1858686 Gmdrm	hypo	CHH	-0.0788
Gm06	1858728	1859701 Gmdrm	hypo	CHH	-0.1789
Gm06	1860658	1861643 Gmdrm	hypo	CHH	-0.0148
Gm06	1863142	1864130 Gmdrm	hypo	CHH	-0.0868
Gm06	1879556	1879708 Gmdrm	hypo	CHH	-0.0443
Gm06	1892142	1893131 Gmdrm	hypo	CHH	-0.0189
Gm06	1893237	1894232 Gmdrm	hypo	CHH	-0.1097
Gm06	1895252	1895958 Gmdrm	hypo	CHH	-0.0272
Gm06	1909034	1910034 Gmdrm	hypo	CHH	-0.0132
Gm06	1916301	1917290 Gmdrm	hypo	CHH	-0.0171
Gm06	1921238	1922207 Gmdrm	hypo	CHH	-0.0113
Gm06	1923430	1924374 Gmdrm	hypo	CHH	-0.0346
Gm06	1926044	1927033 Gmdrm	hypo	CHH	-0.015
Gm06	1942194	1943187 Gmdrm	hypo	CHH	-0.0752
Gm06	1983779	1984778 Gmdrm	hypo	CHH	-0.0588
Gm06	1984785	1985775 Gmdrm	hypo	CHH	-0.1118
Gm06	1986815	1987810 Gmdrm	hypo	CHH	-0.0629
Gm06	1987816	1988812 Gmdrm	hypo	CHH	-0.1358
Gm06	1991966	1992473 Gmdrm	hypo	CHH	-0.1268
Gm06	2001877	2002871 Gmdrm	hypo	CHH	-0.0139
Gm06	2003918	2004892 Gmdrm	hypo	CHH	-0.1102
Gm06	2006187	2006248 Gmdrm	hypo	CHH	-0.11
Gm06	2016697	2017692 Gmdrm	hypo	CHH	-0.1345
Gm06	2025115	2026109 Gmdrm	hypo	CHH	-0.0232
Gm06	2027212	2027295 Gmdrm	hypo	CHH	-0.0933
Gm06	2029869	2030852 Gmdrm	hypo	CHH	-0.0332
Gm06	2035869	2036843 Gmdrm	hypo	CHH	-0.0586
Gm06	2036995	2037325 Gmdrm	hypo	CHH	-0.1181
Gm06	2039498	2040466 Gmdrm	hypo	CHH	-0.0215
Gm06	2047119	2048116 Gmdrm	hypo	CHH	-0.0567
Gm06	2048369	2049350 Gmdrm	hypo	CHH	-0.0484
Gm06	2053769	2054550 Gmdrm	hypo	CHH	-0.0192
Gm06	2057632	2058615 Gmdrm	hypo	CHH	-0.0146
Gm06	2072833	2073829 Gmdrm	hypo	CHH	-0.0123
Gm06	2075900	2076852 Gmdrm	hypo	CHH	-0.0217
Gm06	2078235	2078421 Gmdrm	hypo	CHH	-0.0575
Gm06	2092515	2093515 Gmdrm	hypo	CHH	-0.0489
Gm06	2093519	2094502 Gmdrm	hypo	CHH	-0.0776
Gm06	2100121	2101102 Gmdrm	hypo	CHH	-0.0285
Gm06	2112719	2113719 Gmdrm	hypo	CHH	-0.0353

Gm06	2117792	2118788 Gmdrm	hypo	CHH	-0.0628
Gm06	2118801	2119786 Gmdrm	hypo	CHH	-0.0482
Gm06	2153415	2154392 Gmdrm	hypo	CHH	-0.0162
Gm06	2160213	2161210 Gmdrm	hypo	CHH	-0.0315
Gm06	2161222	2162216 Gmdrm	hypo	CHH	-0.0443
Gm06	2168750	2169360 Gmdrm	hypo	CHH	-0.0287
Gm06	2173920	2174055 Gmdrm	hypo	CHH	-0.082
Gm06	2181851	2182694 Gmdrm	hypo	CHH	-0.0328
Gm06	2183761	2184756 Gmdrm	hypo	CHH	-0.0148
Gm06	2189853	2190831 Gmdrm	hypo	CHH	-0.0195
Gm06	2202013	2203012 Gmdrm	hypo	CHH	-0.1588
Gm06	2203014	2204009 Gmdrm	hypo	CHH	-0.1538
Gm06	2209413	2209520 Gmdrm	hypo	CHH	-0.045
Gm06	2217621	2218617 Gmdrm	hypo	CHH	-0.0222
Gm06	2221778	2221957 Gmdrm	hypo	CHH	-0.0393
Gm06	2223847	2224842 Gmdrm	hypo	CHH	-0.0597
Gm06	2224853	2225811 Gmdrm	hypo	CHH	-0.0311
Gm06	2242992	2243355 Gmdrm	hypo	CHH	-0.0245
Gm06	2254872	2255629 Gmdrm	hypo	CHH	-0.0416
Gm06	2256369	2257367 Gmdrm	hypo	CHH	-0.0164
Gm06	2265530	2266395 Gmdrm	hypo	CHH	-0.027
Gm06	2272565	2273561 Gmdrm	hypo	CHH	-0.0451
Gm06	2293646	2294640 Gmdrm	hypo	CHH	-0.1045
Gm06	2294651	2295636 Gmdrm	hypo	CHH	-0.0764
Gm06	2311008	2311070 Gmdrm	hypo	CHH	-0.0375
Gm06	2321543	2322536 Gmdrm	hypo	CHH	-0.3078
Gm06	2322550	2323098 Gmdrm	hypo	CHH	-0.2619
Gm06	2323249	2324244 Gmdrm	hypo	CHH	-0.3067
Gm06	2324259	2325200 Gmdrm	hypo	CHH	-0.0172
Gm06	2336313	2337307 Gmdrm	hypo	CHH	-0.0215
Gm06	2337321	2338270 Gmdrm	hypo	CHH	-0.0427
Gm06	2346705	2347676 Gmdrm	hypo	CHH	-0.0174
Gm06	2356368	2357368 Gmdrm	hypo	CHH	-0.1412
Gm06	2357370	2358339 Gmdrm	hypo	CHH	-0.107
Gm06	2358380	2359361 Gmdrm	hypo	CHH	-0.0756
Gm06	2362568	2363549 Gmdrm	hypo	CHH	-0.0123
Gm06	2364509	2365494 Gmdrm	hypo	CHH	-0.0169
Gm06	2368561	2369334 Gmdrm	hypo	CHH	-0.0684
Gm06	2376098	2377078 Gmdrm	hypo	CHH	-0.0175
Gm06	2385479	2385810 Gmdrm	hypo	CHH	-0.03
Gm06	2390414	2391393 Gmdrm	hypo	CHH	-0.0531
Gm06	2395911	2396634 Gmdrm	hypo	CHH	-0.0241
Gm06	2406051	2406921 Gmdrm	hypo	CHH	-0.0338
Gm06	2409438	2410434 Gmdrm	hypo	CHH	-0.0269
Gm06	2413506	2414505 Gmdrm	hypo	CHH	-0.1189
Gm06	2414507	2415505 Gmdrm	hypo	CHH	-0.151

Gm06	2415525	2416227	Gmdrm	hypo	CHH	-0.1395
Gm06	2418168	2419123	Gmdrm	hypo	CHH	-0.027
Gm06	2433644	2434619	Gmdrm	hypo	CHH	-0.05
Gm06	2441569	2442564	Gmdrm	hypo	CHH	-0.0423
Gm06	2461797	2462796	Gmdrm	hypo	CHH	-0.0855
Gm06	2462800	2463165	Gmdrm	hypo	CHH	-0.0634
Gm06	2469831	2470829	Gmdrm	hypo	CHH	-0.0819
Gm06	2471760	2472741	Gmdrm	hypo	CHH	-0.029
Gm06	2496133	2497106	Gmdrm	hypo	CHH	-0.0444
Gm06	2497160	2497340	Gmdrm	hypo	CHH	-0.0423
Gm06	2513962	2514955	Gmdrm	hypo	CHH	-0.0153
Gm06	2514964	2515808	Gmdrm	hypo	CHH	-0.0268
Gm06	2519076	2520068	Gmdrm	hypo	CHH	-0.1812
Gm06	2525958	2526946	Gmdrm	hypo	CHH	-0.0186
Gm06	2529211	2530211	Gmdrm	hypo	CHH	-0.1697
Gm06	2535678	2536665	Gmdrm	hypo	CHH	-0.011
Gm06	2541801	2542798	Gmdrm	hypo	CHH	-0.0205
Gm06	2547157	2548157	Gmdrm	hypo	CHH	-0.0409
Gm06	2562873	2563870	Gmdrm	hypo	CHH	-0.4007
Gm06	2569268	2570261	Gmdrm	hypo	CHH	-0.0373
Gm06	2570273	2571036	Gmdrm	hypo	CHH	-0.04
Gm06	2573223	2574215	Gmdrm	hypo	CHH	-0.0166
Gm06	2576762	2577732	Gmdrm	hypo	CHH	-0.0239
Gm06	2580715	2581655	Gmdrm	hypo	CHH	-0.1214
Gm06	2587308	2588267	Gmdrm	hypo	CHH	-0.0189
Gm06	2591774	2592767	Gmdrm	hypo	CHH	-0.0155
Gm06	2599023	2599971	Gmdrm	hypo	CHH	-0.0184
Gm06	2601031	2602001	Gmdrm	hypo	CHH	-0.0218
Gm06	2605089	2605481	Gmdrm	hypo	CHH	-0.0707
Gm06	2605635	2606634	Gmdrm	hypo	CHH	-0.112
Gm06	2608042	2609034	Gmdrm	hypo	CHH	-0.0432
Gm06	2621156	2622136	Gmdrm	hypo	CHH	-0.3336
Gm06	2623203	2624180	Gmdrm	hypo	CHH	-0.1619
Gm06	2655867	2656856	Gmdrm	hypo	CHH	-0.0709
Gm06	2673695	2674020	Gmdrm	hypo	CHH	-0.0793
Gm06	2674135	2675121	Gmdrm	hypo	CHH	-0.1342
Gm06	2685937	2686551	Gmdrm	hypo	CHH	-0.1356
Gm06	2686981	2687976	Gmdrm	hypo	CHH	-0.0612
Gm06	2690107	2690549	Gmdrm	hypo	CHH	-0.0515
Gm06	2693183	2694183	Gmdrm	hypo	CHH	-0.0642
Gm06	2694185	2694628	Gmdrm	hypo	CHH	-0.076
Gm06	2712665	2712901	Gmdrm	hypo	CHH	-0.0316
Gm06	2713287	2713927	Gmdrm	hypo	CHH	-0.0793
Gm06	2720603	2721599	Gmdrm	hypo	CHH	-0.0357
Gm06	2723997	2724993	Gmdrm	hypo	CHH	-0.0289
Gm06	2734332	2735303	Gmdrm	hypo	CHH	-0.0519

Gm06	2752845	2753844	Gmdrm	hypo	CHH	-0.1373
Gm06	2753850	2754113	Gmdrm	hypo	CHH	-0.1877
Gm06	2754302	2755295	Gmdrm	hypo	CHH	-0.1355
Gm06	2755306	2756291	Gmdrm	hypo	CHH	-0.0198
Gm06	2757712	2758625	Gmdrm	hypo	CHH	-0.0183
Gm06	2762522	2763319	Gmdrm	hypo	CHH	-0.0344
Gm06	2772002	2772437	Gmdrm	hypo	CHH	-0.0519
Gm06	2788891	2789882	Gmdrm	hypo	CHH	-0.0172
Gm06	2795748	2796746	Gmdrm	hypo	CHH	-0.0409
Gm06	2796756	2797756	Gmdrm	hypo	CHH	-0.0719
Gm06	2802883	2803850	Gmdrm	hypo	CHH	-0.1149
Gm06	2815705	2816697	Gmdrm	hypo	CHH	-0.0542
Gm06	2821366	2821707	Gmdrm	hypo	CHH	-0.0625
Gm06	2823141	2824139	Gmdrm	hypo	CHH	-0.0313
Gm06	2833375	2834375	Gmdrm	hypo	CHH	-0.1067
Gm06	2834677	2835649	Gmdrm	hypo	CHH	-0.1201
Gm06	2844096	2845084	Gmdrm	hypo	CHH	-0.0378
Gm06	2847175	2847891	Gmdrm	hypo	CHH	-0.0215
Gm06	2850004	2850977	Gmdrm	hypo	CHH	-0.0127
Gm06	2852817	2853795	Gmdrm	hypo	CHH	-0.0478
Gm06	2854841	2855837	Gmdrm	hypo	CHH	-0.0236
Gm06	2855846	2856229	Gmdrm	hypo	CHH	-0.0488
Gm06	2870314	2870713	Gmdrm	hypo	CHH	-0.0227
Gm06	2874115	2875098	Gmdrm	hypo	CHH	-0.0153
Gm06	2876228	2876901	Gmdrm	hypo	CHH	-0.0202
Gm06	2880469	2880791	Gmdrm	hypo	CHH	-0.0438
Gm06	2880945	2881941	Gmdrm	hypo	CHH	-0.0217
Gm06	2882972	2883960	Gmdrm	hypo	CHH	-0.0662
Gm06	2883974	2884973	Gmdrm	hypo	CHH	-0.1119
Gm06	2891782	2892781	Gmdrm	hypo	CHH	-0.0188
Gm06	2892790	2893736	Gmdrm	hypo	CHH	-0.0457
Gm06	2893791	2894786	Gmdrm	hypo	CHH	-0.0703
Gm06	2894793	2895343	Gmdrm	hypo	CHH	-0.2143
Gm06	2911581	2912580	Gmdrm	hypo	CHH	-0.0405
Gm06	2912591	2913278	Gmdrm	hypo	CHH	-0.0597
Gm06	2920339	2921025	Gmdrm	hypo	CHH	-0.182
Gm06	2926616	2927599	Gmdrm	hypo	CHH	-0.1383
Gm06	2932125	2933112	Gmdrm	hypo	CHH	-0.0269
Gm06	2947324	2948221	Gmdrm	hypo	CHH	-0.0659
Gm06	2957116	2958109	Gmdrm	hypo	CHH	-0.0168
Gm06	2965151	2966150	Gmdrm	hypo	CHH	-0.1001
Gm06	2966158	2967026	Gmdrm	hypo	CHH	-0.0771
Gm06	2992872	2993836	Gmdrm	hypo	CHH	-0.0653
Gm06	3006332	3007330	Gmdrm	hypo	CHH	-0.0734
Gm06	3007333	3008328	Gmdrm	hypo	CHH	-0.0753
Gm06	3008363	3009222	Gmdrm	hypo	CHH	-0.2129

Gm06	3023114	3024108 Gmdrm	hypo	CHH	-0.2437
Gm06	3024117	3025114 Gmdrm	hypo	CHH	-0.1173
Gm06	3033130	3034113 Gmdrm	hypo	CHH	-0.173
Gm06	3034149	3035018 Gmdrm	hypo	CHH	-0.0365
Gm06	3038874	3039864 Gmdrm	hypo	CHH	-0.0383
Gm06	3040233	3040466 Gmdrm	hypo	CHH	-0.0235
Gm06	3045795	3046795 Gmdrm	hypo	CHH	-0.1145
Gm06	3046801	3047785 Gmdrm	hypo	CHH	-0.1023
Gm06	3047805	3048749 Gmdrm	hypo	CHH	-0.0377
Gm06	3088578	3089578 Gmdrm	hypo	CHH	-0.0723
Gm06	3093671	3094636 Gmdrm	hypo	CHH	-0.0209
Gm06	3101710	3102710 Gmdrm	hypo	CHH	-0.0105
Gm06	3107531	3108521 Gmdrm	hypo	CHH	-0.0312
Gm06	3114332	3115253 Gmdrm	hypo	CHH	-0.0165
Gm06	3115911	3116898 Gmdrm	hypo	CHH	-0.0941
Gm06	3120488	3121483 Gmdrm	hypo	CHH	-0.2057
Gm06	3138467	3139454 Gmdrm	hypo	CHH	-0.0578
Gm06	3142462	3143455 Gmdrm	hypo	CHH	-0.0252
Gm06	3143912	3144901 Gmdrm	hypo	CHH	-0.0279
Gm06	3157076	3158073 Gmdrm	hypo	CHH	-0.234
Gm06	3158084	3158288 Gmdrm	hypo	CHH	-0.0683
Gm06	3158500	3159497 Gmdrm	hypo	CHH	-0.171
Gm06	3161386	3162361 Gmdrm	hypo	CHH	-0.0244
Gm06	3164480	3165447 Gmdrm	hypo	CHH	-0.0151
Gm06	3184566	3185558 Gmdrm	hypo	CHH	-0.0608
Gm06	3185568	3186555 Gmdrm	hypo	CHH	-0.1506
Gm06	3191149	3191272 Gmdrm	hypo	CHH	-0.0285
Gm06	3193428	3194417 Gmdrm	hypo	CHH	-0.0255
Gm06	3198208	3198707 Gmdrm	hypo	CHH	-0.027
Gm06	3215132	3216131 Gmdrm	hypo	CHH	-0.0143
Gm06	3218584	3219575 Gmdrm	hypo	CHH	-0.0464
Gm06	3219598	3220576 Gmdrm	hypo	CHH	-0.0671
Gm06	3281427	3282401 Gmdrm	hypo	CHH	-0.0247
Gm06	3290823	3291806 Gmdrm	hypo	CHH	-0.1259
Gm06	3305795	3306790 Gmdrm	hypo	CHH	-0.0981
Gm06	3316942	3317908 Gmdrm	hypo	CHH	-0.0651
Gm06	3326816	3327796 Gmdrm	hypo	CHH	-0.0193
Gm06	3327831	3328813 Gmdrm	hypo	CHH	-0.0164
Gm06	3333149	3334147 Gmdrm	hypo	CHH	-0.1496
Gm06	3334159	3335151 Gmdrm	hypo	CHH	-0.3087
Gm06	3336216	3337193 Gmdrm	hypo	CHH	-0.0161
Gm06	3346758	3347747 Gmdrm	hypo	CHH	-0.0951
Gm06	3347762	3348421 Gmdrm	hypo	CHH	-0.2033
Gm06	3353199	3354198 Gmdrm	hypo	CHH	-0.011
Gm06	3362750	3363745 Gmdrm	hypo	CHH	-0.0229
Gm06	3377425	3378024 Gmdrm	hypo	CHH	-0.0216

Gm06	3393796	3394790	Gmdrm	hypo	CHH	-0.0663
Gm06	3394799	3395793	Gmdrm	hypo	CHH	-0.0627
Gm06	3396808	3397767	Gmdrm	hypo	CHH	-0.0453
Gm06	3421712	3422689	Gmdrm	hypo	CHH	-0.0626
Gm06	3428000	3428944	Gmdrm	hypo	CHH	-0.0278
Gm06	3429007	3429072	Gmdrm	hypo	CHH	-0.3825
Gm06	3429179	3430164	Gmdrm	hypo	CHH	-0.0624
Gm06	3430194	3431190	Gmdrm	hypo	CHH	-0.2254
Gm06	3431196	3432173	Gmdrm	hypo	CHH	-0.126
Gm06	3441865	3442863	Gmdrm	hypo	CHH	-0.1309
Gm06	3448657	3449638	Gmdrm	hypo	CHH	-0.0309
Gm06	3450180	3451174	Gmdrm	hypo	CHH	-0.0253
Gm06	3469963	3470954	Gmdrm	hypo	CHH	-0.0311
Gm06	3478155	3479122	Gmdrm	hypo	CHH	-0.0302
Gm06	3485037	3485999	Gmdrm	hypo	CHH	-0.02
Gm06	3498609	3499597	Gmdrm	hypo	CHH	-0.0184
Gm06	3510650	3511603	Gmdrm	hypo	CHH	-0.0229
Gm06	3523794	3524784	Gmdrm	hypo	CHH	-0.0129
Gm06	3534682	3535631	Gmdrm	hypo	CHH	-0.0699
Gm06	3538357	3539344	Gmdrm	hypo	CHH	-0.0103
Gm06	3548881	3549849	Gmdrm	hypo	CHH	-0.0145
Gm06	3568644	3569629	Gmdrm	hypo	CHH	-0.0204
Gm06	3570682	3571657	Gmdrm	hypo	CHH	-0.052
Gm06	3572314	3572893	Gmdrm	hypo	CHH	-0.0373
Gm06	3590695	3591279	Gmdrm	hypo	CHH	-0.1384
Gm06	3598513	3599485	Gmdrm	hypo	CHH	-0.0235
Gm06	3604371	3605306	Gmdrm	hypo	CHH	-0.0501
Gm06	3606477	3607475	Gmdrm	hypo	CHH	-0.3322
Gm06	3612418	3613417	Gmdrm	hypo	CHH	-0.0129
Gm06	3621373	3622306	Gmdrm	hypo	CHH	-0.0268
Gm06	3626208	3627197	Gmdrm	hypo	CHH	-0.1838
Gm06	3641063	3642053	Gmdrm	hypo	CHH	-0.0692
Gm06	3643105	3644105	Gmdrm	hypo	CHH	-0.1793
Gm06	3644110	3645109	Gmdrm	hypo	CHH	-0.0133
Gm06	3645115	3645429	Gmdrm	hypo	CHH	-0.017
Gm06	3646958	3647915	Gmdrm	hypo	CHH	-0.0215
Gm06	3650531	3651484	Gmdrm	hypo	CHH	-0.0715
Gm06	3659057	3659234	Gmdrm	hypo	CHH	-0.0399
Gm06	3669522	3669570	Gmdrm	hypo	CHH	-0.042
Gm06	3681684	3682683	Gmdrm	hypo	CHH	-0.2109
Gm06	3682686	3683671	Gmdrm	hypo	CHH	-0.113
Gm06	3683692	3684515	Gmdrm	hypo	CHH	-0.0389
Gm06	3684627	3684883	Gmdrm	hypo	CHH	-0.0816
Gm06	3685017	3685953	Gmdrm	hypo	CHH	-0.018
Gm06	3690111	3690802	Gmdrm	hypo	CHH	-0.1096
Gm06	3697052	3697308	Gmdrm	hypo	CHH	-0.0639

Gm06	3699990	3700557 Gmdrm	hypo	CHH	-0.1696
Gm06	3701817	3702777 Gmdrm	hypo	CHH	-0.0872
Gm06	3703691	3704690 Gmdrm	hypo	CHH	-0.0144
Gm06	3715993	3716968 Gmdrm	hypo	CHH	-0.0224
Gm06	3720873	3721825 Gmdrm	hypo	CHH	-0.2317
Gm06	3723551	3724401 Gmdrm	hypo	CHH	-0.2911
Gm06	3726915	3727903 Gmdrm	hypo	CHH	-0.015
Gm06	3729414	3730259 Gmdrm	hypo	CHH	-0.0707
Gm06	3750185	3751182 Gmdrm	hypo	CHH	-0.0935
Gm06	3753485	3754484 Gmdrm	hypo	CHH	-0.089
Gm06	3754527	3755518 Gmdrm	hypo	CHH	-0.0218
Gm06	3758851	3759850 Gmdrm	hypo	CHH	-0.0744
Gm06	3759861	3760857 Gmdrm	hypo	CHH	-0.0238
Gm06	3767463	3767704 Gmdrm	hypo	CHH	-0.028
Gm06	3770759	3771747 Gmdrm	hypo	CHH	-0.1139
Gm06	3787097	3788090 Gmdrm	hypo	CHH	-0.0132
Gm06	3798989	3799199 Gmdrm	hypo	CHH	-0.0289
Gm06	3805310	3806295 Gmdrm	hypo	CHH	-0.026
Gm06	3820023	3821003 Gmdrm	hypo	CHH	-0.1744
Gm06	3826511	3827508 Gmdrm	hypo	CHH	-0.0384
Gm06	3839436	3839728 Gmdrm	hypo	CHH	-0.0626
Gm06	3860970	3861212 Gmdrm	hypo	CHH	-0.0323
Gm06	3861680	3862271 Gmdrm	hypo	CHH	-0.0219
Gm06	3862387	3862791 Gmdrm	hypo	CHH	-0.021
Gm06	3862968	3863957 Gmdrm	hypo	CHH	-0.0245
Gm06	3865679	3866665 Gmdrm	hypo	CHH	-0.0515
Gm06	3867106	3868098 Gmdrm	hypo	CHH	-0.0144
Gm06	3876949	3877949 Gmdrm	hypo	CHH	-0.3229
Gm06	3877952	3878805 Gmdrm	hypo	CHH	-0.0131
Gm06	3887112	3888108 Gmdrm	hypo	CHH	-0.069
Gm06	3894163	3895158 Gmdrm	hypo	CHH	-0.0133
Gm06	3897234	3898200 Gmdrm	hypo	CHH	-0.0261
Gm06	3902307	3902410 Gmdrm	hypo	CHH	-0.026
Gm06	3905054	3905384 Gmdrm	hypo	CHH	-0.0612
Gm06	3914732	3915727 Gmdrm	hypo	CHH	-0.0158
Gm06	3916830	3917826 Gmdrm	hypo	CHH	-0.0254
Gm06	3922711	3923707 Gmdrm	hypo	CHH	-0.0872
Gm06	3932136	3932932 Gmdrm	hypo	CHH	-0.0527
Gm06	3945818	3946814 Gmdrm	hypo	CHH	-0.0385
Gm06	3947433	3948430 Gmdrm	hypo	CHH	-0.0689
Gm06	3948435	3948913 Gmdrm	hypo	CHH	-0.0296
Gm06	3952147	3953131 Gmdrm	hypo	CHH	-0.0626
Gm06	3956027	3957017 Gmdrm	hypo	CHH	-0.1528
Gm06	3957039	3958028 Gmdrm	hypo	CHH	-0.1376
Gm06	3958042	3958605 Gmdrm	hypo	CHH	-0.2133
Gm06	3960433	3961258 Gmdrm	hypo	CHH	-0.0113

Gm06	3962225	3963183	Gmdrm	hypo	CHH	-0.0313
Gm06	3963242	3963902	Gmdrm	hypo	CHH	-0.0219
Gm06	3964511	3965497	Gmdrm	hypo	CHH	-0.0339
Gm06	3969406	3969596	Gmdrm	hypo	CHH	-0.035
Gm06	3973825	3974805	Gmdrm	hypo	CHH	-0.0402
Gm06	3997313	3998310	Gmdrm	hypo	CHH	-0.0129
Gm06	4008578	4009574	Gmdrm	hypo	CHH	-0.0088
Gm06	4013096	4014096	Gmdrm	hypo	CHH	-0.0304
Gm06	4017627	4018599	Gmdrm	hypo	CHH	-0.0153
Gm06	4028907	4029893	Gmdrm	hypo	CHH	-0.0956
Gm06	4029920	4030919	Gmdrm	hypo	CHH	-0.0484
Gm06	4034575	4035575	Gmdrm	hypo	CHH	-0.0577
Gm06	4040945	4041942	Gmdrm	hypo	CHH	-0.1015
Gm06	4041947	4042438	Gmdrm	hypo	CHH	-0.2067
Gm06	4042547	4043524	Gmdrm	hypo	CHH	-0.0175
Gm06	4043568	4044547	Gmdrm	hypo	CHH	-0.155
Gm06	4057170	4058154	Gmdrm	hypo	CHH	-0.0905
Gm06	4068170	4068336	Gmdrm	hypo	CHH	-0.105
Gm06	4071717	4071878	Gmdrm	hypo	CHH	-0.2105
Gm06	4076332	4077332	Gmdrm	hypo	CHH	-0.021
Gm06	4083473	4083865	Gmdrm	hypo	CHH	-0.0565
Gm06	4085126	4085938	Gmdrm	hypo	CHH	-0.0108
Gm06	4088522	4088913	Gmdrm	hypo	CHH	-0.03
Gm06	4090040	4091029	Gmdrm	hypo	CHH	-0.0264
Gm06	4095539	4096535	Gmdrm	hypo	CHH	-0.0667
Gm06	4101582	4102566	Gmdrm	hypo	CHH	-0.0223
Gm06	4103137	4104136	Gmdrm	hypo	CHH	-0.0231
Gm06	4105223	4106171	Gmdrm	hypo	CHH	-0.3518
Gm06	4110174	4111146	Gmdrm	hypo	CHH	-0.0194
Gm06	4121922	4122922	Gmdrm	hypo	CHH	-0.0883
Gm06	4130114	4131104	Gmdrm	hypo	CHH	-0.009
Gm06	4146841	4147840	Gmdrm	hypo	CHH	-0.0316
Gm06	4157061	4158044	Gmdrm	hypo	CHH	-0.0153
Gm06	4161641	4162626	Gmdrm	hypo	CHH	-0.1069
Gm06	4162646	4163587	Gmdrm	hypo	CHH	-0.0931
Gm06	4183451	4184411	Gmdrm	hypo	CHH	-0.016
Gm06	4190188	4191180	Gmdrm	hypo	CHH	-0.3763
Gm06	4209501	4210464	Gmdrm	hypo	CHH	-0.0861
Gm06	4223605	4224594	Gmdrm	hypo	CHH	-0.0243
Gm06	4229572	4229938	Gmdrm	hypo	CHH	-0.0323
Gm06	4232116	4233077	Gmdrm	hypo	CHH	-0.0168
Gm06	4234178	4235169	Gmdrm	hypo	CHH	-0.0205
Gm06	4243272	4244266	Gmdrm	hypo	CHH	-0.015
Gm06	4246070	4247056	Gmdrm	hypo	CHH	-0.016
Gm06	4261645	4262596	Gmdrm	hypo	CHH	-0.0155
Gm06	4277579	4278570	Gmdrm	hypo	CHH	-0.0536

Gm06	4283377	4284371 Gmdrm	hypo	CHH	-0.0175
Gm06	4290513	4291477 Gmdrm	hypo	CHH	-0.0611
Gm06	4300426	4301426 Gmdrm	hypo	CHH	-0.0817
Gm06	4306055	4307041 Gmdrm	hypo	CHH	-0.0301
Gm06	4312257	4312919 Gmdrm	hypo	CHH	-0.0558
Gm06	4313025	4313979 Gmdrm	hypo	CHH	-0.1201
Gm06	4319392	4320195 Gmdrm	hypo	CHH	-0.0138
Gm06	4320837	4321784 Gmdrm	hypo	CHH	-0.0178
Gm06	4338333	4339323 Gmdrm	hypo	CHH	-0.0201
Gm06	4350986	4351981 Gmdrm	hypo	CHH	-0.0247
Gm06	4353166	4353474 Gmdrm	hypo	CHH	-0.0691
Gm06	4353580	4354519 Gmdrm	hypo	CHH	-0.014
Gm06	4369571	4370547 Gmdrm	hypo	CHH	-0.0228
Gm06	4370572	4371570 Gmdrm	hypo	CHH	-0.0999
Gm06	4371577	4372113 Gmdrm	hypo	CHH	-0.0932
Gm06	4395176	4396123 Gmdrm	hypo	CHH	-0.01
Gm06	4412280	4413267 Gmdrm	hypo	CHH	-0.0899
Gm06	4416491	4417217 Gmdrm	hypo	CHH	-0.0452
Gm06	4417320	4418280 Gmdrm	hypo	CHH	-0.0901
Gm06	4420264	4421264 Gmdrm	hypo	CHH	-0.1616
Gm06	4421280	4421589 Gmdrm	hypo	CHH	-0.2803
Gm06	4436944	4437289 Gmdrm	hypo	CHH	-0.0168
Gm06	4437396	4438371 Gmdrm	hypo	CHH	-0.0325
Gm06	4439892	4440892 Gmdrm	hypo	CHH	-0.0665
Gm06	4440894	4441864 Gmdrm	hypo	CHH	-0.0486
Gm06	4441919	4442905 Gmdrm	hypo	CHH	-0.0121
Gm06	4443976	4444976 Gmdrm	hypo	CHH	-0.0451
Gm06	4461084	4461544 Gmdrm	hypo	CHH	-0.035
Gm06	4482058	4483022 Gmdrm	hypo	CHH	-0.0395
Gm06	4493084	4494076 Gmdrm	hypo	CHH	-0.0311
Gm06	4494103	4495098 Gmdrm	hypo	CHH	-0.0396
Gm06	4495126	4496088 Gmdrm	hypo	CHH	-0.0524
Gm06	4496169	4497123 Gmdrm	hypo	CHH	-0.0405
Gm06	4497189	4497319 Gmdrm	hypo	CHH	-0.0667
Gm06	4502276	4503251 Gmdrm	hypo	CHH	-0.0125
Gm06	4508363	4508962 Gmdrm	hypo	CHH	-0.0355
Gm06	4528428	4529420 Gmdrm	hypo	CHH	-0.0663
Gm06	4529470	4530470 Gmdrm	hypo	CHH	-0.0117
Gm06	4540738	4541737 Gmdrm	hypo	CHH	-0.0329
Gm06	4541740	4542739 Gmdrm	hypo	CHH	-0.0551
Gm06	4542748	4543739 Gmdrm	hypo	CHH	-0.0716
Gm06	4551144	4552132 Gmdrm	hypo	CHH	-0.0703
Gm06	4559119	4560112 Gmdrm	hypo	CHH	-0.1379
Gm06	4567434	4568409 Gmdrm	hypo	CHH	-0.0166
Gm06	4569465	4570421 Gmdrm	hypo	CHH	-0.0836
Gm06	4572290	4573271 Gmdrm	hypo	CHH	-0.0225

Gm06	4583786	4584779 Gmdrm	hypo	CHH	-0.0546
Gm06	4584787	4585786 Gmdrm	hypo	CHH	-0.1059
Gm06	4586085	4587064 Gmdrm	hypo	CHH	-0.0198
Gm06	4603791	4604774 Gmdrm	hypo	CHH	-0.021
Gm06	4610096	4611096 Gmdrm	hypo	CHH	-0.0274
Gm06	4619394	4620384 Gmdrm	hypo	CHH	-0.0292
Gm06	4620396	4621394 Gmdrm	hypo	CHH	-0.0223
Gm06	4621398	4622397 Gmdrm	hypo	CHH	-0.1184
Gm06	4630267	4631249 Gmdrm	hypo	CHH	-0.0162
Gm06	4634932	4635928 Gmdrm	hypo	CHH	-0.0685
Gm06	4635951	4636934 Gmdrm	hypo	CHH	-0.0129
Gm06	4662213	4662976 Gmdrm	hypo	CHH	-0.124
Gm06	4665203	4666202 Gmdrm	hypo	CHH	-0.225
Gm06	4666991	4667939 Gmdrm	hypo	CHH	-0.0162
Gm06	4685983	4686972 Gmdrm	hypo	CHH	-0.0126
Gm06	4687037	4688035 Gmdrm	hypo	CHH	-0.0328
Gm06	4688038	4688825 Gmdrm	hypo	CHH	-0.1017
Gm06	4695410	4696409 Gmdrm	hypo	CHH	-0.022
Gm06	4696431	4697416 Gmdrm	hypo	CHH	-0.0483
Gm06	4697444	4698442 Gmdrm	hypo	CHH	-0.017
Gm06	4734748	4735664 Gmdrm	hypo	CHH	-0.0416
Gm06	4736583	4737571 Gmdrm	hypo	CHH	-0.1274
Gm06	4737617	4738615 Gmdrm	hypo	CHH	-0.1454
Gm06	4738623	4739585 Gmdrm	hypo	CHH	-0.0146
Gm06	4739877	4740870 Gmdrm	hypo	CHH	-0.2167
Gm06	4753952	4754925 Gmdrm	hypo	CHH	-0.0592
Gm06	4754953	4755506 Gmdrm	hypo	CHH	-0.0241
Gm06	4756897	4757896 Gmdrm	hypo	CHH	-0.0209
Gm06	4763078	4764073 Gmdrm	hypo	CHH	-0.0393
Gm06	4764079	4765032 Gmdrm	hypo	CHH	-0.0952
Gm06	4765097	4765600 Gmdrm	hypo	CHH	-0.0308
Gm06	4778340	4779340 Gmdrm	hypo	CHH	-0.0252
Gm06	4789067	4790057 Gmdrm	hypo	CHH	-0.0133
Gm06	4790949	4791943 Gmdrm	hypo	CHH	-0.019
Gm06	4794970	4795229 Gmdrm	hypo	CHH	-0.036
Gm06	4795394	4796375 Gmdrm	hypo	CHH	-0.0134
Gm06	4814228	4815192 Gmdrm	hypo	CHH	-0.0278
Gm06	4822824	4823821 Gmdrm	hypo	CHH	-0.0167
Gm06	4828480	4829462 Gmdrm	hypo	CHH	-0.0137
Gm06	4833848	4834007 Gmdrm	hypo	CHH	-0.08
Gm06	4847275	4848270 Gmdrm	hypo	CHH	-0.0985
Gm06	4854298	4855294 Gmdrm	hypo	CHH	-0.0284
Gm06	4857334	4858328 Gmdrm	hypo	CHH	-0.028
Gm06	4858343	4859340 Gmdrm	hypo	CHH	-0.1158
Gm06	4859351	4860334 Gmdrm	hypo	CHH	-0.068
Gm06	4861391	4862380 Gmdrm	hypo	CHH	-0.1226

Gm06	4864733	4865708 Gmdrm	hypo	CHH	-0.018
Gm06	4865735	4866728 Gmdrm	hypo	CHH	-0.0176
Gm06	4867765	4868361 Gmdrm	hypo	CHH	-0.03
Gm06	4869558	4870535 Gmdrm	hypo	CHH	-0.0839
Gm06	4870601	4871589 Gmdrm	hypo	CHH	-0.0208
Gm06	4877472	4878469 Gmdrm	hypo	CHH	-0.0208
Gm06	4883917	4884900 Gmdrm	hypo	CHH	-0.0165
Gm06	4889109	4890109 Gmdrm	hypo	CHH	-0.0175
Gm06	4894633	4895619 Gmdrm	hypo	CHH	-0.142
Gm06	4895637	4896200 Gmdrm	hypo	CHH	-0.2009
Gm06	4901753	4902724 Gmdrm	hypo	CHH	-0.0189
Gm06	4915177	4916173 Gmdrm	hypo	CHH	-0.0223
Gm06	4917774	4917828 Gmdrm	hypo	CHH	-0.2083
Gm06	4918159	4919157 Gmdrm	hypo	CHH	-0.0589
Gm06	4930642	4931638 Gmdrm	hypo	CHH	-0.1362
Gm06	4934714	4935033 Gmdrm	hypo	CHH	-0.0281
Gm06	4936218	4937215 Gmdrm	hypo	CHH	-0.1077
Gm06	4937219	4938213 Gmdrm	hypo	CHH	-0.1145
Gm06	4938226	4939226 Gmdrm	hypo	CHH	-0.1161
Gm06	4939232	4940228 Gmdrm	hypo	CHH	-0.0313
Gm06	4945328	4946293 Gmdrm	hypo	CHH	-0.0129
Gm06	4947370	4948366 Gmdrm	hypo	CHH	-0.0157
Gm06	4950761	4951759 Gmdrm	hypo	CHH	-0.0175
Gm06	4957480	4958435 Gmdrm	hypo	CHH	-0.0147
Gm06	4959489	4960438 Gmdrm	hypo	CHH	-0.0409
Gm06	4962506	4963502 Gmdrm	hypo	CHH	-0.0578
Gm06	4982117	4983117 Gmdrm	hypo	CHH	-0.0273
Gm06	4984203	4985190 Gmdrm	hypo	CHH	-0.0202
Gm06	4999792	5000784 Gmdrm	hypo	CHH	-0.0176
Gm06	5011103	5012098 Gmdrm	hypo	CHH	-0.2572
Gm06	5012104	5013093 Gmdrm	hypo	CHH	-0.1105
Gm06	5013134	5014131 Gmdrm	hypo	CHH	-0.0231
Gm06	5014139	5015139 Gmdrm	hypo	CHH	-0.0518
Gm06	5016165	5017149 Gmdrm	hypo	CHH	-0.118
Gm06	5030581	5031581 Gmdrm	hypo	CHH	-0.0175
Gm06	5031584	5032583 Gmdrm	hypo	CHH	-0.0348
Gm06	5032597	5033587 Gmdrm	hypo	CHH	-0.0454
Gm06	5033600	5034551 Gmdrm	hypo	CHH	-0.0347
Gm06	5072461	5072955 Gmdrm	hypo	CHH	-0.018
Gm06	5074615	5075603 Gmdrm	hypo	CHH	-0.0384
Gm06	5098429	5099420 Gmdrm	hypo	CHH	-0.2422
Gm06	5105533	5106524 Gmdrm	hypo	CHH	-0.0448
Gm06	5111177	5112176 Gmdrm	hypo	CHH	-0.1465
Gm06	5112182	5113181 Gmdrm	hypo	CHH	-0.0843
Gm06	5117221	5117635 Gmdrm	hypo	CHH	-0.0795
Gm06	5117737	5118737 Gmdrm	hypo	CHH	-0.0868

Gm06	5120811	5121437	Gmdrm	hypo	CHH	-0.1233
Gm06	5132247	5133224	Gmdrm	hypo	CHH	-0.0287
Gm06	5136474	5137472	Gmdrm	hypo	CHH	-0.0507
Gm06	5140495	5141468	Gmdrm	hypo	CHH	-0.0197
Gm06	5151703	5152685	Gmdrm	hypo	CHH	-0.0136
Gm06	5167694	5168552	Gmdrm	hypo	CHH	-0.2911
Gm06	5188209	5189183	Gmdrm	hypo	CHH	-0.2411
Gm06	5189244	5189557	Gmdrm	hypo	CHH	-0.16
Gm06	5189696	5190257	Gmdrm	hypo	CHH	-0.0325
Gm06	5191633	5191861	Gmdrm	hypo	CHH	-0.1017
Gm06	5195635	5195901	Gmdrm	hypo	CHH	-0.03
Gm06	5199043	5200040	Gmdrm	hypo	CHH	-0.0323
Gm06	5209831	5210795	Gmdrm	hypo	CHH	-0.0172
Gm06	5210834	5211787	Gmdrm	hypo	CHH	-0.0294
Gm06	5213845	5214842	Gmdrm	hypo	CHH	-0.0513
Gm06	5240069	5241061	Gmdrm	hypo	CHH	-0.0962
Gm06	5244190	5245176	Gmdrm	hypo	CHH	-0.0257
Gm06	5268413	5268579	Gmdrm	hypo	CHH	-0.0282
Gm06	5270712	5270802	Gmdrm	hypo	CHH	-0.12
Gm06	5272230	5273172	Gmdrm	hypo	CHH	-0.3329
Gm06	5279076	5280075	Gmdrm	hypo	CHH	-0.0607
Gm06	5280078	5281072	Gmdrm	hypo	CHH	-0.1037
Gm06	5282360	5283343	Gmdrm	hypo	CHH	-0.0217
Gm06	5286420	5287412	Gmdrm	hypo	CHH	-0.0599
Gm06	5287426	5288381	Gmdrm	hypo	CHH	-0.0137
Gm06	5298219	5299215	Gmdrm	hypo	CHH	-0.0203
Gm06	5322062	5323036	Gmdrm	hypo	CHH	-0.0337
Gm06	5326532	5327513	Gmdrm	hypo	CHH	-0.0177
Gm06	5331492	5332438	Gmdrm	hypo	CHH	-0.1679
Gm06	5346595	5347556	Gmdrm	hypo	CHH	-0.0308
Gm06	5365171	5366169	Gmdrm	hypo	CHH	-0.0428
Gm06	5367182	5368178	Gmdrm	hypo	CHH	-0.0397
Gm06	5370201	5371121	Gmdrm	hypo	CHH	-0.032
Gm06	5380719	5381681	Gmdrm	hypo	CHH	-0.2055
Gm06	5381741	5382669	Gmdrm	hypo	CHH	-0.0368
Gm06	5385238	5386229	Gmdrm	hypo	CHH	-0.0136
Gm06	5393029	5394029	Gmdrm	hypo	CHH	-0.073
Gm06	5397783	5398753	Gmdrm	hypo	CHH	-0.0232
Gm06	5406700	5407694	Gmdrm	hypo	CHH	-0.0828
Gm06	5408763	5409757	Gmdrm	hypo	CHH	-0.0183
Gm06	5410789	5411780	Gmdrm	hypo	CHH	-0.1179
Gm06	5414753	5415743	Gmdrm	hypo	CHH	-0.0171
Gm06	5425517	5426460	Gmdrm	hypo	CHH	-0.0239
Gm06	5427550	5428357	Gmdrm	hypo	CHH	-0.1226
Gm06	5449488	5450453	Gmdrm	hypo	CHH	-0.0293
Gm06	5482256	5483230	Gmdrm	hypo	CHH	-0.0104

Gm06	5483257	5484257	Gmdrm	hypo	CHH	-0.0301
Gm06	5487776	5488077	Gmdrm	hypo	CHH	-0.046
Gm06	5507953	5508946	Gmdrm	hypo	CHH	-0.0411
Gm06	5533456	5533898	Gmdrm	hypo	CHH	-0.0547
Gm06	5545528	5546523	Gmdrm	hypo	CHH	-0.0555
Gm06	5557599	5558593	Gmdrm	hypo	CHH	-0.0241
Gm06	5566882	5567878	Gmdrm	hypo	CHH	-0.1819
Gm06	5568462	5569441	Gmdrm	hypo	CHH	-0.0877
Gm06	5577218	5577569	Gmdrm	hypo	CHH	-0.0292
Gm06	5600888	5601877	Gmdrm	hypo	CHH	-0.0715
Gm06	5601896	5602892	Gmdrm	hypo	CHH	-0.0703
Gm06	5603931	5604928	Gmdrm	hypo	CHH	-0.035
Gm06	5606178	5607178	Gmdrm	hypo	CHH	-0.028
Gm06	5607191	5607287	Gmdrm	hypo	CHH	-0.0525
Gm06	5609634	5610625	Gmdrm	hypo	CHH	-0.0198
Gm06	5610771	5611768	Gmdrm	hypo	CHH	-0.151
Gm06	5611788	5612767	Gmdrm	hypo	CHH	-0.05
Gm06	5621783	5622313	Gmdrm	hypo	CHH	-0.0233
Gm06	5625817	5626812	Gmdrm	hypo	CHH	-0.0776
Gm06	5632575	5633560	Gmdrm	hypo	CHH	-0.0646
Gm06	5644246	5645012	Gmdrm	hypo	CHH	-0.0258
Gm06	5654599	5655596	Gmdrm	hypo	CHH	-0.0344
Gm06	5657692	5658351	Gmdrm	hypo	CHH	-0.0291
Gm06	5659878	5660877	Gmdrm	hypo	CHH	-0.0712
Gm06	5670868	5671852	Gmdrm	hypo	CHH	-0.015
Gm06	5689686	5690684	Gmdrm	hypo	CHH	-0.025
Gm06	5690698	5691694	Gmdrm	hypo	CHH	-0.1115
Gm06	5691914	5692901	Gmdrm	hypo	CHH	-0.2589
Gm06	5702518	5703516	Gmdrm	hypo	CHH	-0.1372
Gm06	5728896	5729885	Gmdrm	hypo	CHH	-0.0247
Gm06	5737489	5738071	Gmdrm	hypo	CHH	-0.0542
Gm06	5747162	5748160	Gmdrm	hypo	CHH	-0.0189
Gm06	5756854	5757853	Gmdrm	hypo	CHH	-0.0623
Gm06	5769446	5769670	Gmdrm	hypo	CHH	-0.1643
Gm06	5785229	5786217	Gmdrm	hypo	CHH	-0.0137
Gm06	5787714	5788649	Gmdrm	hypo	CHH	-0.0605
Gm06	5802344	5803334	Gmdrm	hypo	CHH	-0.0925
Gm06	5803773	5804773	Gmdrm	hypo	CHH	-0.1491
Gm06	5804776	5805775	Gmdrm	hypo	CHH	-0.0167
Gm06	5817278	5817729	Gmdrm	hypo	CHH	-0.0288
Gm06	5824328	5825320	Gmdrm	hypo	CHH	-0.052
Gm06	5826366	5827361	Gmdrm	hypo	CHH	-0.0248
Gm06	5833100	5834097	Gmdrm	hypo	CHH	-0.0935
Gm06	5838619	5839609	Gmdrm	hypo	CHH	-0.016
Gm06	5853624	5854246	Gmdrm	hypo	CHH	-0.0205
Gm06	5861171	5862169	Gmdrm	hypo	CHH	-0.0655

Gm06	5871261	5871333	Gmdrm	hypo	CHH	-0.06
Gm06	5871709	5872375	Gmdrm	hypo	CHH	-0.0286
Gm06	5882026	5883007	Gmdrm	hypo	CHH	-0.0251
Gm06	5883551	5884549	Gmdrm	hypo	CHH	-0.0123
Gm06	5884562	5884988	Gmdrm	hypo	CHH	-0.2921
Gm06	5896333	5896440	Gmdrm	hypo	CHH	-0.0413
Gm06	5898277	5899272	Gmdrm	hypo	CHH	-0.0125
Gm06	5900962	5901223	Gmdrm	hypo	CHH	-0.019
Gm06	5904878	5905628	Gmdrm	hypo	CHH	-0.0159
Gm06	5930696	5931678	Gmdrm	hypo	CHH	-0.1237
Gm06	5931697	5932693	Gmdrm	hypo	CHH	-0.066
Gm06	5935342	5936338	Gmdrm	hypo	CHH	-0.0604
Gm06	5939451	5940449	Gmdrm	hypo	CHH	-0.0179
Gm06	5940454	5941452	Gmdrm	hypo	CHH	-0.0187
Gm06	5954535	5955531	Gmdrm	hypo	CHH	-0.019
Gm06	5955771	5956747	Gmdrm	hypo	CHH	-0.1843
Gm06	5970316	5971308	Gmdrm	hypo	CHH	-0.0198
Gm06	5975460	5976447	Gmdrm	hypo	CHH	-0.0175
Gm06	5979363	5980343	Gmdrm	hypo	CHH	-0.0362
Gm06	5988514	5989369	Gmdrm	hypo	CHH	-0.021
Gm06	5995933	5996104	Gmdrm	hypo	CHH	-0.0563
Gm06	5996918	5997916	Gmdrm	hypo	CHH	-0.1123
Gm06	6015508	6016432	Gmdrm	hypo	CHH	-0.0173
Gm06	6028827	6029823	Gmdrm	hypo	CHH	-0.0155
Gm06	6034373	6034722	Gmdrm	hypo	CHH	-0.023
Gm06	6047529	6047777	Gmdrm	hypo	CHH	-0.0609
Gm06	6048040	6048580	Gmdrm	hypo	CHH	-0.0534
Gm06	6057995	6058995	Gmdrm	hypo	CHH	-0.0176
Gm06	6058998	6059970	Gmdrm	hypo	CHH	-0.1326
Gm06	6070337	6071333	Gmdrm	hypo	CHH	-0.0599
Gm06	6071344	6072320	Gmdrm	hypo	CHH	-0.0907
Gm06	6075940	6076094	Gmdrm	hypo	CHH	-0.0383
Gm06	6080587	6081575	Gmdrm	hypo	CHH	-0.0235
Gm06	6081590	6082575	Gmdrm	hypo	CHH	-0.0678
Gm06	6082599	6083571	Gmdrm	hypo	CHH	-0.0983
Gm06	6085962	6086929	Gmdrm	hypo	CHH	-0.0195
Gm06	6092870	6093855	Gmdrm	hypo	CHH	-0.0285
Gm06	6099107	6099890	Gmdrm	hypo	CHH	-0.0133
Gm06	6107843	6108838	Gmdrm	hypo	CHH	-0.131
Gm06	6109900	6110894	Gmdrm	hypo	CHH	-0.1402
Gm06	6110910	6111905	Gmdrm	hypo	CHH	-0.0114
Gm06	6138721	6139720	Gmdrm	hypo	CHH	-0.0393
Gm06	6150605	6151199	Gmdrm	hypo	CHH	-0.0579
Gm06	6159257	6159925	Gmdrm	hypo	CHH	-0.0336
Gm06	6160028	6161013	Gmdrm	hypo	CHH	-0.0108
Gm06	6165062	6166059	Gmdrm	hypo	CHH	-0.022

Gm06	6182725	6183722	Gmdrm	hypo	CHH	-0.0413
Gm06	6185748	6186734	Gmdrm	hypo	CHH	-0.0648
Gm06	6186750	6187475	Gmdrm	hypo	CHH	-0.084
Gm06	6200798	6201791	Gmdrm	hypo	CHH	-0.0127
Gm06	6212303	6213233	Gmdrm	hypo	CHH	-0.0152
Gm06	6218230	6219096	Gmdrm	hypo	CHH	-0.0164
Gm06	6219212	6220212	Gmdrm	hypo	CHH	-0.0295
Gm06	6220213	6220918	Gmdrm	hypo	CHH	-0.0192
Gm06	6221055	6222018	Gmdrm	hypo	CHH	-0.0116
Gm06	6238073	6239073	Gmdrm	hypo	CHH	-0.0268
Gm06	6241276	6242266	Gmdrm	hypo	CHH	-0.0225
Gm06	6242283	6242917	Gmdrm	hypo	CHH	-0.0287
Gm06	6257661	6258651	Gmdrm	hypo	CHH	-0.0281
Gm06	6262843	6263821	Gmdrm	hypo	CHH	-0.0287
Gm06	6263845	6264840	Gmdrm	hypo	CHH	-0.0857
Gm06	6271367	6272346	Gmdrm	hypo	CHH	-0.0244
Gm06	6290340	6291335	Gmdrm	hypo	CHH	-0.1439
Gm06	6295532	6296509	Gmdrm	hypo	CHH	-0.0315
Gm06	6297599	6298584	Gmdrm	hypo	CHH	-0.0151
Gm06	6304826	6305815	Gmdrm	hypo	CHH	-0.0154
Gm06	6311260	6312217	Gmdrm	hypo	CHH	-0.0156
Gm06	6317926	6318923	Gmdrm	hypo	CHH	-0.0239
Gm06	6326941	6327938	Gmdrm	hypo	CHH	-0.0814
Gm06	6335031	6336021	Gmdrm	hypo	CHH	-0.0254
Gm06	6353210	6354206	Gmdrm	hypo	CHH	-0.0133
Gm06	6355448	6356422	Gmdrm	hypo	CHH	-0.0127
Gm06	6377199	6378189	Gmdrm	hypo	CHH	-0.0227
Gm06	6379214	6379679	Gmdrm	hypo	CHH	-0.0178
Gm06	6415575	6416574	Gmdrm	hypo	CHH	-0.0122
Gm06	6417605	6418592	Gmdrm	hypo	CHH	-0.0259
Gm06	6418631	6419631	Gmdrm	hypo	CHH	-0.0092
Gm06	6427099	6428099	Gmdrm	hypo	CHH	-0.0348
Gm06	6428111	6429094	Gmdrm	hypo	CHH	-0.0203
Gm06	6429134	6430081	Gmdrm	hypo	CHH	-0.0272
Gm06	6434591	6435554	Gmdrm	hypo	CHH	-0.0198
Gm06	6438612	6439607	Gmdrm	hypo	CHH	-0.0133
Gm06	6441655	6442650	Gmdrm	hypo	CHH	-0.018
Gm06	6442657	6443645	Gmdrm	hypo	CHH	-0.1955
Gm06	6452997	6453994	Gmdrm	hypo	CHH	-0.0604
Gm06	6455967	6456965	Gmdrm	hypo	CHH	-0.0858
Gm06	6456984	6457542	Gmdrm	hypo	CHH	-0.0491
Gm06	6477510	6478493	Gmdrm	hypo	CHH	-0.0807
Gm06	6489930	6490924	Gmdrm	hypo	CHH	-0.0744
Gm06	6490968	6491954	Gmdrm	hypo	CHH	-0.0282
Gm06	6498864	6499835	Gmdrm	hypo	CHH	-0.0601
Gm06	6505152	6506136	Gmdrm	hypo	CHH	-0.0186

Gm06	6506637	6507625 Gmdrm	hypo	CHH	-0.0155
Gm06	6507647	6508638 Gmdrm	hypo	CHH	-0.0218
Gm06	6528248	6529232 Gmdrm	hypo	CHH	-0.0175
Gm06	6529254	6529656 Gmdrm	hypo	CHH	-0.0598
Gm06	6534697	6534780 Gmdrm	hypo	CHH	-0.054
Gm06	6543099	6544086 Gmdrm	hypo	CHH	-0.0197
Gm06	6544101	6544418 Gmdrm	hypo	CHH	-0.0291
Gm06	6548663	6549360 Gmdrm	hypo	CHH	-0.0154
Gm06	6554223	6555218 Gmdrm	hypo	CHH	-0.2773
Gm06	6564991	6565990 Gmdrm	hypo	CHH	-0.0507
Gm06	6567810	6568747 Gmdrm	hypo	CHH	-0.0195
Gm06	6572974	6573967 Gmdrm	hypo	CHH	-0.1471
Gm06	6575007	6576005 Gmdrm	hypo	CHH	-0.0244
Gm06	6578330	6579326 Gmdrm	hypo	CHH	-0.0104
Gm06	6580368	6581349 Gmdrm	hypo	CHH	-0.0217
Gm06	6600539	6600648 Gmdrm	hypo	CHH	-0.0371
Gm06	6605347	6606347 Gmdrm	hypo	CHH	-0.0237
Gm06	6607483	6607586 Gmdrm	hypo	CHH	-0.0629
Gm06	6608906	6609896 Gmdrm	hypo	CHH	-0.0173
Gm06	6612752	6613743 Gmdrm	hypo	CHH	-0.1038
Gm06	6614793	6615550 Gmdrm	hypo	CHH	-0.0791
Gm06	6615803	6615897 Gmdrm	hypo	CHH	-0.24
Gm06	6621509	6622078 Gmdrm	hypo	CHH	-0.1366
Gm06	6630951	6631950 Gmdrm	hypo	CHH	-0.0387
Gm06	6633961	6634950 Gmdrm	hypo	CHH	-0.0508
Gm06	6643581	6644581 Gmdrm	hypo	CHH	-0.0134
Gm06	6648681	6649678 Gmdrm	hypo	CHH	-0.0339
Gm06	6661490	6662487 Gmdrm	hypo	CHH	-0.0671
Gm06	6662491	6663483 Gmdrm	hypo	CHH	-0.0588
Gm06	6664508	6665477 Gmdrm	hypo	CHH	-0.018
Gm06	6677382	6677538 Gmdrm	hypo	CHH	-0.06
Gm06	6682479	6683456 Gmdrm	hypo	CHH	-0.0116
Gm06	6684482	6685476 Gmdrm	hypo	CHH	-0.0348
Gm06	6685483	6686480 Gmdrm	hypo	CHH	-0.0603
Gm06	6698206	6699206 Gmdrm	hypo	CHH	-0.0208
Gm06	6700227	6701221 Gmdrm	hypo	CHH	-0.0289
Gm06	6715624	6716620 Gmdrm	hypo	CHH	-0.0173
Gm06	6716626	6717250 Gmdrm	hypo	CHH	-0.028
Gm06	6733956	6734948 Gmdrm	hypo	CHH	-0.0384
Gm06	6734957	6735957 Gmdrm	hypo	CHH	-0.0626
Gm06	6735966	6736965 Gmdrm	hypo	CHH	-0.1019
Gm06	6736976	6737963 Gmdrm	hypo	CHH	-0.0189
Gm06	6753031	6754029 Gmdrm	hypo	CHH	-0.0549
Gm06	6764642	6765642 Gmdrm	hypo	CHH	-0.0216
Gm06	6775582	6776563 Gmdrm	hypo	CHH	-0.0136
Gm06	6788266	6789233 Gmdrm	hypo	CHH	-0.0429

Gm06	6789287	6790286	Gmdrm	hypo	CHH	-0.1095
Gm06	6790301	6791284	Gmdrm	hypo	CHH	-0.0151
Gm06	6791307	6792166	Gmdrm	hypo	CHH	-0.1839
Gm06	6792595	6793564	Gmdrm	hypo	CHH	-0.2642
Gm06	6799555	6800373	Gmdrm	hypo	CHH	-0.1331
Gm06	6805240	6806223	Gmdrm	hypo	CHH	-0.1337
Gm06	6806242	6807228	Gmdrm	hypo	CHH	-0.0217
Gm06	6810479	6811468	Gmdrm	hypo	CHH	-0.0643
Gm06	6846118	6847118	Gmdrm	hypo	CHH	-0.1007
Gm06	6847129	6848128	Gmdrm	hypo	CHH	-0.1308
Gm06	6849161	6850147	Gmdrm	hypo	CHH	-0.0203
Gm06	6850169	6851162	Gmdrm	hypo	CHH	-0.0426
Gm06	6852183	6853183	Gmdrm	hypo	CHH	-0.1081
Gm06	6853195	6854195	Gmdrm	hypo	CHH	-0.0855
Gm06	6854198	6855188	Gmdrm	hypo	CHH	-0.0963
Gm06	6855203	6856146	Gmdrm	hypo	CHH	-0.0937
Gm06	6908365	6909341	Gmdrm	hypo	CHH	-0.018
Gm06	6911406	6912398	Gmdrm	hypo	CHH	-0.2526
Gm06	6912409	6913409	Gmdrm	hypo	CHH	-0.3131
Gm06	6916849	6917237	Gmdrm	hypo	CHH	-0.0425
Gm06	6920587	6921427	Gmdrm	hypo	CHH	-0.0186
Gm06	6922867	6923859	Gmdrm	hypo	CHH	-0.0197
Gm06	6927979	6928714	Gmdrm	hypo	CHH	-0.0195
Gm06	6936600	6937576	Gmdrm	hypo	CHH	-0.0142
Gm06	6939656	6940653	Gmdrm	hypo	CHH	-0.0603
Gm06	6949359	6950350	Gmdrm	hypo	CHH	-0.0394
Gm06	6955492	6956479	Gmdrm	hypo	CHH	-0.028
Gm06	6956516	6957516	Gmdrm	hypo	CHH	-0.2951
Gm06	6957519	6958182	Gmdrm	hypo	CHH	-0.0735
Gm06	6963661	6964659	Gmdrm	hypo	CHH	-0.2826
Gm06	6976096	6976396	Gmdrm	hypo	CHH	-0.063
Gm06	6977239	6978207	Gmdrm	hypo	CHH	-0.051
Gm06	6979301	6980296	Gmdrm	hypo	CHH	-0.057
Gm06	6980302	6981299	Gmdrm	hypo	CHH	-0.1023
Gm06	6982017	6983007	Gmdrm	hypo	CHH	-0.0154
Gm06	6985520	6986520	Gmdrm	hypo	CHH	-0.0519
Gm06	6989566	6990524	Gmdrm	hypo	CHH	-0.0337
Gm06	7009305	7010305	Gmdrm	hypo	CHH	-0.0932
Gm06	7022190	7023186	Gmdrm	hypo	CHH	-0.0141
Gm06	7025733	7026724	Gmdrm	hypo	CHH	-0.3044
Gm06	7050477	7051477	Gmdrm	hypo	CHH	-0.188
Gm06	7051478	7052452	Gmdrm	hypo	CHH	-0.0796
Gm06	7054579	7055576	Gmdrm	hypo	CHH	-0.0889
Gm06	7069468	7070443	Gmdrm	hypo	CHH	-0.0253
Gm06	7070492	7071473	Gmdrm	hypo	CHH	-0.2182
Gm06	7071503	7072393	Gmdrm	hypo	CHH	-0.0451

Gm06	7078382	7079353 Gmdrm	hypo	CHH	-0.0313
Gm06	7088274	7089272 Gmdrm	hypo	CHH	-0.0156
Gm06	7092331	7093318 Gmdrm	hypo	CHH	-0.031
Gm06	7093398	7094385 Gmdrm	hypo	CHH	-0.0571
Gm06	7105283	7106280 Gmdrm	hypo	CHH	-0.0107
Gm06	7111110	7112107 Gmdrm	hypo	CHH	-0.0317
Gm06	7120762	7121738 Gmdrm	hypo	CHH	-0.0482
Gm06	7140098	7141097 Gmdrm	hypo	CHH	-0.0203
Gm06	7141104	7142104 Gmdrm	hypo	CHH	-0.0782
Gm06	7142108	7142950 Gmdrm	hypo	CHH	-0.0195
Gm06	7162288	7162810 Gmdrm	hypo	CHH	-0.0604
Gm06	7163031	7164012 Gmdrm	hypo	CHH	-0.2726
Gm06	7170950	7171915 Gmdrm	hypo	CHH	-0.0965
Gm06	7184814	7185402 Gmdrm	hypo	CHH	-0.0303
Gm06	7217969	7218927 Gmdrm	hypo	CHH	-0.0128
Gm06	7221955	7222955 Gmdrm	hypo	CHH	-0.0165
Gm06	7228756	7229756 Gmdrm	hypo	CHH	-0.0133
Gm06	7230779	7230853 Gmdrm	hypo	CHH	-0.041
Gm06	7231325	7232321 Gmdrm	hypo	CHH	-0.0779
Gm06	7236268	7237252 Gmdrm	hypo	CHH	-0.0201
Gm06	7243207	7244194 Gmdrm	hypo	CHH	-0.0208
Gm06	7247127	7248109 Gmdrm	hypo	CHH	-0.034
Gm06	7250848	7251844 Gmdrm	hypo	CHH	-0.0197
Gm06	7251860	7252860 Gmdrm	hypo	CHH	-0.0372
Gm06	7268173	7269165 Gmdrm	hypo	CHH	-0.0175
Gm06	7281978	7282881 Gmdrm	hypo	CHH	-0.0247
Gm06	7296386	7297386 Gmdrm	hypo	CHH	-0.2107
Gm06	7298394	7298930 Gmdrm	hypo	CHH	-0.02
Gm06	7331254	7332252 Gmdrm	hypo	CHH	-0.0208
Gm06	7336655	7337654 Gmdrm	hypo	CHH	-0.1867
Gm06	7337656	7338396 Gmdrm	hypo	CHH	-0.0694
Gm06	7342250	7342970 Gmdrm	hypo	CHH	-0.027
Gm06	7343103	7344097 Gmdrm	hypo	CHH	-0.0326
Gm06	7344109	7345096 Gmdrm	hypo	CHH	-0.0229
Gm06	7379211	7380201 Gmdrm	hypo	CHH	-0.0161
Gm06	7380220	7381220 Gmdrm	hypo	CHH	-0.0108
Gm06	7381222	7381979 Gmdrm	hypo	CHH	-0.1075
Gm06	7383853	7384835 Gmdrm	hypo	CHH	-0.0293
Gm06	7384856	7385048 Gmdrm	hypo	CHH	-0.5875
Gm06	7398666	7399664 Gmdrm	hypo	CHH	-0.1842
Gm06	7399667	7400662 Gmdrm	hypo	CHH	-0.0208
Gm06	7412467	7413451 Gmdrm	hypo	CHH	-0.0513
Gm06	7427754	7428063 Gmdrm	hypo	CHH	-0.0327
Gm06	7428378	7429373 Gmdrm	hypo	CHH	-0.0553
Gm06	7441234	7442218 Gmdrm	hypo	CHH	-0.0328
Gm06	7463193	7464172 Gmdrm	hypo	CHH	-0.0204

Gm06	7464209	7465162 Gmdrm	hypo	CHH	-0.0147
Gm06	7468057	7469047 Gmdrm	hypo	CHH	-0.092
Gm06	7471479	7472466 Gmdrm	hypo	CHH	-0.0194
Gm06	7473559	7474451 Gmdrm	hypo	CHH	-0.1023
Gm06	7493664	7494663 Gmdrm	hypo	CHH	-0.0765
Gm06	7494668	7495640 Gmdrm	hypo	CHH	-0.0288
Gm06	7508372	7509367 Gmdrm	hypo	CHH	-0.2514
Gm06	7509373	7510363 Gmdrm	hypo	CHH	-0.0771
Gm06	7515979	7516974 Gmdrm	hypo	CHH	-0.0798
Gm06	7516985	7517948 Gmdrm	hypo	CHH	-0.0883
Gm06	7531674	7532647 Gmdrm	hypo	CHH	-0.0249
Gm06	7540873	7541867 Gmdrm	hypo	CHH	-0.025
Gm06	7558900	7559882 Gmdrm	hypo	CHH	-0.0137
Gm06	7559912	7560265 Gmdrm	hypo	CHH	-0.0177
Gm06	7563779	7564123 Gmdrm	hypo	CHH	-0.0554
Gm06	7564277	7564397 Gmdrm	hypo	CHH	-0.0814
Gm06	7564501	7565492 Gmdrm	hypo	CHH	-0.0296
Gm06	7578563	7579536 Gmdrm	hypo	CHH	-0.0114
Gm06	7592957	7593253 Gmdrm	hypo	CHH	-0.0172
Gm06	7593356	7594326 Gmdrm	hypo	CHH	-0.1463
Gm06	7597419	7598385 Gmdrm	hypo	CHH	-0.0475
Gm06	7599471	7599788 Gmdrm	hypo	CHH	-0.0225
Gm06	7602349	7603349 Gmdrm	hypo	CHH	-0.0226
Gm06	7608544	7609529 Gmdrm	hypo	CHH	-0.0167
Gm06	7617990	7618990 Gmdrm	hypo	CHH	-0.1679
Gm06	7618994	7619975 Gmdrm	hypo	CHH	-0.1882
Gm06	7627216	7628213 Gmdrm	hypo	CHH	-0.1279
Gm06	7628222	7628960 Gmdrm	hypo	CHH	-0.1883
Gm06	7645546	7645666 Gmdrm	hypo	CHH	-0.065
Gm06	7675713	7676708 Gmdrm	hypo	CHH	-0.0229
Gm06	7691241	7692235 Gmdrm	hypo	CHH	-0.0548
Gm06	7692246	7693241 Gmdrm	hypo	CHH	-0.0686
Gm06	7693247	7694244 Gmdrm	hypo	CHH	-0.0756
Gm06	7694901	7695323 Gmdrm	hypo	CHH	-0.0445
Gm06	7725960	7726944 Gmdrm	hypo	CHH	-0.0354
Gm06	7728016	7729010 Gmdrm	hypo	CHH	-0.0743
Gm06	7729024	7730002 Gmdrm	hypo	CHH	-0.1677
Gm06	7730037	7731037 Gmdrm	hypo	CHH	-0.1179
Gm06	7734675	7735671 Gmdrm	hypo	CHH	-0.017
Gm06	7749343	7750326 Gmdrm	hypo	CHH	-0.0176
Gm06	7764301	7765300 Gmdrm	hypo	CHH	-0.017
Gm06	7770107	7770239 Gmdrm	hypo	CHH	-0.075
Gm06	7771421	7772403 Gmdrm	hypo	CHH	-0.0265
Gm06	7776685	7777685 Gmdrm	hypo	CHH	-0.0466
Gm06	7786439	7786727 Gmdrm	hypo	CHH	-0.0636
Gm06	7791830	7792824 Gmdrm	hypo	CHH	-0.0364

Gm06	7802892	7803892	Gmdrm	hypo	CHH	-0.0168
Gm06	7803895	7804895	Gmdrm	hypo	CHH	-0.1023
Gm06	7804896	7805891	Gmdrm	hypo	CHH	-0.0792
Gm06	7824927	7825924	Gmdrm	hypo	CHH	-0.0187
Gm06	7837345	7838344	Gmdrm	hypo	CHH	-0.0405
Gm06	7838370	7839369	Gmdrm	hypo	CHH	-0.1116
Gm06	7840390	7841382	Gmdrm	hypo	CHH	-0.095
Gm06	7841407	7842097	Gmdrm	hypo	CHH	-0.0321
Gm06	7854626	7855330	Gmdrm	hypo	CHH	-0.1031
Gm06	7865997	7866992	Gmdrm	hypo	CHH	-0.0933
Gm06	7868915	7869891	Gmdrm	hypo	CHH	-0.2759
Gm06	7873036	7873977	Gmdrm	hypo	CHH	-0.0166
Gm06	7874445	7875185	Gmdrm	hypo	CHH	-0.1563
Gm06	7888598	7888933	Gmdrm	hypo	CHH	-0.0157
Gm06	7889666	7890635	Gmdrm	hypo	CHH	-0.0202
Gm06	7891610	7892593	Gmdrm	hypo	CHH	-0.0106
Gm06	7900749	7901744	Gmdrm	hypo	CHH	-0.0355
Gm06	7901754	7902712	Gmdrm	hypo	CHH	-0.0303
Gm06	7913245	7914245	Gmdrm	hypo	CHH	-0.0279
Gm06	7916222	7917054	Gmdrm	hypo	CHH	-0.0847
Gm06	7926818	7927376	Gmdrm	hypo	CHH	-0.0255
Gm06	7928630	7929606	Gmdrm	hypo	CHH	-0.0216
Gm06	7930128	7930215	Gmdrm	hypo	CHH	-0.07
Gm06	7938402	7939402	Gmdrm	hypo	CHH	-0.0654
Gm06	7943929	7944315	Gmdrm	hypo	CHH	-0.03
Gm06	7944612	7945585	Gmdrm	hypo	CHH	-0.016
Gm06	7961609	7962608	Gmdrm	hypo	CHH	-0.0512
Gm06	7965614	7966598	Gmdrm	hypo	CHH	-0.0545
Gm06	7967094	7968090	Gmdrm	hypo	CHH	-0.0237
Gm06	7969157	7970149	Gmdrm	hypo	CHH	-0.014
Gm06	7977138	7977798	Gmdrm	hypo	CHH	-0.0494
Gm06	7983870	7984860	Gmdrm	hypo	CHH	-0.0602
Gm06	8003559	8004163	Gmdrm	hypo	CHH	-0.0195
Gm06	8004292	8004879	Gmdrm	hypo	CHH	-0.0208
Gm06	8008257	8009248	Gmdrm	hypo	CHH	-0.0232
Gm06	8016266	8017256	Gmdrm	hypo	CHH	-0.0192
Gm06	8019290	8020285	Gmdrm	hypo	CHH	-0.0386
Gm06	8020294	8021288	Gmdrm	hypo	CHH	-0.1047
Gm06	8028119	8029112	Gmdrm	hypo	CHH	-0.0656
Gm06	8043125	8044119	Gmdrm	hypo	CHH	-0.0349
Gm06	8048726	8049691	Gmdrm	hypo	CHH	-0.0682
Gm06	8049738	8050728	Gmdrm	hypo	CHH	-0.0489
Gm06	8050744	8051744	Gmdrm	hypo	CHH	-0.036
Gm06	8057239	8058238	Gmdrm	hypo	CHH	-0.0573
Gm06	8065757	8066747	Gmdrm	hypo	CHH	-0.0438
Gm06	8066761	8067761	Gmdrm	hypo	CHH	-0.0626

Gm06	8067766	8068748	Gmdrm	hypo	CHH	-0.0589
Gm06	8079781	8080776	Gmdrm	hypo	CHH	-0.0105
Gm06	8092394	8092445	Gmdrm	hypo	CHH	-0.032
Gm06	8094049	8095042	Gmdrm	hypo	CHH	-0.1354
Gm06	8095054	8096050	Gmdrm	hypo	CHH	-0.2063
Gm06	8100548	8101546	Gmdrm	hypo	CHH	-0.0243
Gm06	8103737	8104737	Gmdrm	hypo	CHH	-0.1463
Gm06	8104738	8105736	Gmdrm	hypo	CHH	-0.0825
Gm06	8112006	8112998	Gmdrm	hypo	CHH	-0.012
Gm06	8119452	8120433	Gmdrm	hypo	CHH	-0.0194
Gm06	8128844	8129505	Gmdrm	hypo	CHH	-0.0438
Gm06	8131806	8132726	Gmdrm	hypo	CHH	-0.0177
Gm06	8133825	8134819	Gmdrm	hypo	CHH	-0.0407
Gm06	8134847	8135825	Gmdrm	hypo	CHH	-0.0484
Gm06	8141160	8141371	Gmdrm	hypo	CHH	-0.1029
Gm06	8142700	8143698	Gmdrm	hypo	CHH	-0.0122
Gm06	8143702	8144696	Gmdrm	hypo	CHH	-0.0365
Gm06	8150785	8151265	Gmdrm	hypo	CHH	-0.0227
Gm06	8155790	8156790	Gmdrm	hypo	CHH	-0.0747
Gm06	8156798	8157727	Gmdrm	hypo	CHH	-0.1034
Gm06	8168347	8169168	Gmdrm	hypo	CHH	-0.0309
Gm06	8169463	8170433	Gmdrm	hypo	CHH	-0.0574
Gm06	8185699	8186632	Gmdrm	hypo	CHH	-0.0549
Gm06	8187084	8188083	Gmdrm	hypo	CHH	-0.021
Gm06	8194802	8195776	Gmdrm	hypo	CHH	-0.0302
Gm06	8196943	8197912	Gmdrm	hypo	CHH	-0.0292
Gm06	8198669	8199669	Gmdrm	hypo	CHH	-0.0435
Gm06	8200678	8201651	Gmdrm	hypo	CHH	-0.0372
Gm06	8215007	8215983	Gmdrm	hypo	CHH	-0.0492
Gm06	8234394	8234495	Gmdrm	hypo	CHH	-0.0401
Gm06	8253201	8254194	Gmdrm	hypo	CHH	-0.0683
Gm06	8254232	8254841	Gmdrm	hypo	CHH	-0.0168
Gm06	8260704	8261672	Gmdrm	hypo	CHH	-0.017
Gm06	8277392	8278386	Gmdrm	hypo	CHH	-0.1569
Gm06	8278406	8278580	Gmdrm	hypo	CHH	-0.03
Gm06	8282735	8283704	Gmdrm	hypo	CHH	-0.0126
Gm06	8285510	8285642	Gmdrm	hypo	CHH	-0.0271
Gm06	8290581	8291560	Gmdrm	hypo	CHH	-0.0612
Gm06	8293628	8294626	Gmdrm	hypo	CHH	-0.026
Gm06	8294650	8294946	Gmdrm	hypo	CHH	-0.0963
Gm06	8317087	8318066	Gmdrm	hypo	CHH	-0.1312
Gm06	8326436	8327434	Gmdrm	hypo	CHH	-0.0691
Gm06	8334889	8335862	Gmdrm	hypo	CHH	-0.0358
Gm06	8335893	8336859	Gmdrm	hypo	CHH	-0.041
Gm06	8340960	8341724	Gmdrm	hypo	CHH	-0.2399
Gm06	8341957	8342615	Gmdrm	hypo	CHH	-0.2684

Gm06	8347434	8348430	Gmdrm	hypo	CHH	-0.0132
Gm06	8400614	8401608	Gmdrm	hypo	CHH	-0.0939
Gm06	8401620	8402387	Gmdrm	hypo	CHH	-0.2506
Gm06	8402495	8403495	Gmdrm	hypo	CHH	-0.0885
Gm06	8403517	8404506	Gmdrm	hypo	CHH	-0.0366
Gm06	8405540	8406405	Gmdrm	hypo	CHH	-0.02
Gm06	8412994	8413968	Gmdrm	hypo	CHH	-0.0192
Gm06	8422070	8422567	Gmdrm	hypo	CHH	-0.2081
Gm06	8424437	8425394	Gmdrm	hypo	CHH	-0.0168
Gm06	8429735	8430703	Gmdrm	hypo	CHH	-0.2652
Gm06	8434304	8435301	Gmdrm	hypo	CHH	-0.0193
Gm06	8441117	8442088	Gmdrm	hypo	CHH	-0.0403
Gm06	8453560	8454558	Gmdrm	hypo	CHH	-0.0309
Gm06	8465781	8466778	Gmdrm	hypo	CHH	-0.0173
Gm06	8470731	8471689	Gmdrm	hypo	CHH	-0.0268
Gm06	8474690	8475636	Gmdrm	hypo	CHH	-0.0299
Gm06	8477762	8478733	Gmdrm	hypo	CHH	-0.0107
Gm06	8479840	8480825	Gmdrm	hypo	CHH	-0.1886
Gm06	8480843	8481007	Gmdrm	hypo	CHH	-0.3755
Gm06	8489445	8490444	Gmdrm	hypo	CHH	-0.0297
Gm06	8490447	8490798	Gmdrm	hypo	CHH	-0.057
Gm06	8507659	8508651	Gmdrm	hypo	CHH	-0.0131
Gm06	8522219	8523211	Gmdrm	hypo	CHH	-0.0255
Gm06	8527230	8528227	Gmdrm	hypo	CHH	-0.0363
Gm06	8530252	8531248	Gmdrm	hypo	CHH	-0.0177
Gm06	8544781	8545155	Gmdrm	hypo	CHH	-0.0369
Gm06	8545280	8545970	Gmdrm	hypo	CHH	-0.0216
Gm06	8552318	8553305	Gmdrm	hypo	CHH	-0.058
Gm06	8557665	8558468	Gmdrm	hypo	CHH	-0.056
Gm06	8561856	8562119	Gmdrm	hypo	CHH	-0.0586
Gm06	8579999	8580988	Gmdrm	hypo	CHH	-0.0207
Gm06	8582516	8583489	Gmdrm	hypo	CHH	-0.0491
Gm06	8583518	8584517	Gmdrm	hypo	CHH	-0.0904
Gm06	8587261	8587961	Gmdrm	hypo	CHH	-0.0223
Gm06	8592206	8593202	Gmdrm	hypo	CHH	-0.0756
Gm06	8593207	8594185	Gmdrm	hypo	CHH	-0.057
Gm06	8606311	8607309	Gmdrm	hypo	CHH	-0.0267
Gm06	8612497	8613492	Gmdrm	hypo	CHH	-0.0349
Gm06	8614917	8615205	Gmdrm	hypo	CHH	-0.0386
Gm06	8618599	8619589	Gmdrm	hypo	CHH	-0.0751
Gm06	8619610	8619970	Gmdrm	hypo	CHH	-0.0407
Gm06	8621115	8622082	Gmdrm	hypo	CHH	-0.0131
Gm06	8622135	8623102	Gmdrm	hypo	CHH	-0.0123
Gm06	8624648	8625624	Gmdrm	hypo	CHH	-0.1202
Gm06	8635372	8635529	Gmdrm	hypo	CHH	-0.0282
Gm06	8647100	8648073	Gmdrm	hypo	CHH	-0.0292

Gm06	8650957	8651955	Gmdrm	hypo	CHH	-0.1524
Gm06	8651958	8652956	Gmdrm	hypo	CHH	-0.1984
Gm06	8652961	8653958	Gmdrm	hypo	CHH	-0.0207
Gm06	8656308	8656484	Gmdrm	hypo	CHH	-0.048
Gm06	8666729	8666993	Gmdrm	hypo	CHH	-0.0352
Gm06	8669703	8670684	Gmdrm	hypo	CHH	-0.0701
Gm06	8671722	8672570	Gmdrm	hypo	CHH	-0.0874
Gm06	8692973	8693969	Gmdrm	hypo	CHH	-0.0307
Gm06	8693977	8694952	Gmdrm	hypo	CHH	-0.0421
Gm06	8707717	8708689	Gmdrm	hypo	CHH	-0.0131
Gm06	8708722	8709153	Gmdrm	hypo	CHH	-0.0373
Gm06	8712682	8713372	Gmdrm	hypo	CHH	-0.1231
Gm06	8713690	8714420	Gmdrm	hypo	CHH	-0.2303
Gm06	8717901	8718883	Gmdrm	hypo	CHH	-0.0228
Gm06	8722410	8723393	Gmdrm	hypo	CHH	-0.014
Gm06	8723465	8724237	Gmdrm	hypo	CHH	-0.0227
Gm06	8740108	8741079	Gmdrm	hypo	CHH	-0.0622
Gm06	8741111	8742099	Gmdrm	hypo	CHH	-0.08
Gm06	8744415	8745411	Gmdrm	hypo	CHH	-0.022
Gm06	8746510	8747447	Gmdrm	hypo	CHH	-0.0455
Gm06	8754573	8755526	Gmdrm	hypo	CHH	-0.1758
Gm06	8763992	8764920	Gmdrm	hypo	CHH	-0.01
Gm06	8774046	8775017	Gmdrm	hypo	CHH	-0.0928
Gm06	8786642	8787625	Gmdrm	hypo	CHH	-0.0941
Gm06	8805066	8806029	Gmdrm	hypo	CHH	-0.0113
Gm06	8810197	8811191	Gmdrm	hypo	CHH	-0.0393
Gm06	8815298	8816270	Gmdrm	hypo	CHH	-0.0169
Gm06	8824070	8825056	Gmdrm	hypo	CHH	-0.0119
Gm06	8844382	8845373	Gmdrm	hypo	CHH	-0.0203
Gm06	8857201	8858195	Gmdrm	hypo	CHH	-0.0698
Gm06	8858206	8859202	Gmdrm	hypo	CHH	-0.2512
Gm06	8867612	8868610	Gmdrm	hypo	CHH	-0.0144
Gm06	8868629	8869551	Gmdrm	hypo	CHH	-0.0128
Gm06	8869640	8869717	Gmdrm	hypo	CHH	-0.0433
Gm06	8870823	8871680	Gmdrm	hypo	CHH	-0.0186
Gm06	8873795	8874794	Gmdrm	hypo	CHH	-0.0132
Gm06	8876312	8877306	Gmdrm	hypo	CHH	-0.0097
Gm06	8886329	8887300	Gmdrm	hypo	CHH	-0.0369
Gm06	8890819	8891778	Gmdrm	hypo	CHH	-0.053
Gm06	8895560	8896548	Gmdrm	hypo	CHH	-0.0869
Gm06	8896562	8897523	Gmdrm	hypo	CHH	-0.1344
Gm06	8911524	8912005	Gmdrm	hypo	CHH	-0.0902
Gm06	8914194	8915174	Gmdrm	hypo	CHH	-0.1373
Gm06	8929322	8930127	Gmdrm	hypo	CHH	-0.423
Gm06	8933155	8934111	Gmdrm	hypo	CHH	-0.0229
Gm06	8936199	8937199	Gmdrm	hypo	CHH	-0.0123

Gm06	8963203	8964203	Gmdrm	hypo	CHH	-0.018
Gm06	8968675	8969128	Gmdrm	hypo	CHH	-0.0515
Gm06	8984505	8985493	Gmdrm	hypo	CHH	-0.1636
Gm06	8985518	8986515	Gmdrm	hypo	CHH	-0.0187
Gm06	8986538	8986644	Gmdrm	hypo	CHH	-0.0254
Gm06	8998606	8999606	Gmdrm	hypo	CHH	-0.0288
Gm06	9007449	9008427	Gmdrm	hypo	CHH	-0.0201
Gm06	9008725	9009712	Gmdrm	hypo	CHH	-0.0214
Gm06	9012792	9013788	Gmdrm	hypo	CHH	-0.0134
Gm06	9017803	9018800	Gmdrm	hypo	CHH	-0.0632
Gm06	9052529	9053507	Gmdrm	hypo	CHH	-0.023
Gm06	9055573	9056571	Gmdrm	hypo	CHH	-0.0364
Gm06	9056574	9057099	Gmdrm	hypo	CHH	-0.0929
Gm06	9057228	9058027	Gmdrm	hypo	CHH	-0.0437
Gm06	9059198	9059810	Gmdrm	hypo	CHH	-0.1051
Gm06	9071258	9071654	Gmdrm	hypo	CHH	-0.0227
Gm06	9072800	9073783	Gmdrm	hypo	CHH	-0.0206
Gm06	9100432	9101430	Gmdrm	hypo	CHH	-0.1357
Gm06	9102436	9103408	Gmdrm	hypo	CHH	-0.0696
Gm06	9118265	9119265	Gmdrm	hypo	CHH	-0.2165
Gm06	9119272	9120264	Gmdrm	hypo	CHH	-0.2644
Gm06	9135330	9136311	Gmdrm	hypo	CHH	-0.0355
Gm06	9137810	9138809	Gmdrm	hypo	CHH	-0.1742
Gm06	9138812	9139786	Gmdrm	hypo	CHH	-0.1809
Gm06	9152552	9153484	Gmdrm	hypo	CHH	-0.0417
Gm06	9161549	9162504	Gmdrm	hypo	CHH	-0.019
Gm06	9171049	9171942	Gmdrm	hypo	CHH	-0.0399
Gm06	9175109	9176095	Gmdrm	hypo	CHH	-0.0129
Gm06	9187273	9188241	Gmdrm	hypo	CHH	-0.0332
Gm06	9194716	9195705	Gmdrm	hypo	CHH	-0.0279
Gm06	9204932	9205512	Gmdrm	hypo	CHH	-0.0225
Gm06	9209839	9210836	Gmdrm	hypo	CHH	-0.3977
Gm06	9214675	9215669	Gmdrm	hypo	CHH	-0.0124
Gm06	9215677	9216171	Gmdrm	hypo	CHH	-0.4307
Gm06	9224404	9225402	Gmdrm	hypo	CHH	-0.1599
Gm06	9225413	9225707	Gmdrm	hypo	CHH	-0.0544
Gm06	9225818	9226817	Gmdrm	hypo	CHH	-0.0653
Gm06	9226823	9227819	Gmdrm	hypo	CHH	-0.0184
Gm06	9254680	9255276	Gmdrm	hypo	CHH	-0.0407
Gm06	9255395	9256385	Gmdrm	hypo	CHH	-0.0182
Gm06	9256400	9257398	Gmdrm	hypo	CHH	-0.0145
Gm06	9259563	9260496	Gmdrm	hypo	CHH	-0.0185
Gm06	9261586	9262570	Gmdrm	hypo	CHH	-0.114
Gm06	9262588	9263507	Gmdrm	hypo	CHH	-0.1329
Gm06	9272048	9272229	Gmdrm	hypo	CHH	-0.128
Gm06	9272345	9273335	Gmdrm	hypo	CHH	-0.0205

Gm06	9277928	9278927	Gmdrm	hypo	CHH	-0.0378
Gm06	9278933	9279930	Gmdrm	hypo	CHH	-0.0626
Gm06	9281952	9282950	Gmdrm	hypo	CHH	-0.0296
Gm06	9282963	9283961	Gmdrm	hypo	CHH	-0.0442
Gm06	9283979	9284910	Gmdrm	hypo	CHH	-0.0584
Gm06	9284991	9285989	Gmdrm	hypo	CHH	-0.1973
Gm06	9286019	9287008	Gmdrm	hypo	CHH	-0.0457
Gm06	9301670	9302653	Gmdrm	hypo	CHH	-0.0224
Gm06	9302677	9303672	Gmdrm	hypo	CHH	-0.0153
Gm06	9303682	9304675	Gmdrm	hypo	CHH	-0.04
Gm06	9306639	9307633	Gmdrm	hypo	CHH	-0.0173
Gm06	9314720	9314867	Gmdrm	hypo	CHH	-0.07
Gm06	9318144	9318195	Gmdrm	hypo	CHH	-0.0257
Gm06	9318307	9319304	Gmdrm	hypo	CHH	-0.2956
Gm06	9320356	9321344	Gmdrm	hypo	CHH	-0.1019
Gm06	9322307	9323286	Gmdrm	hypo	CHH	-0.0114
Gm06	9324361	9325276	Gmdrm	hypo	CHH	-0.0182
Gm06	9335537	9336532	Gmdrm	hypo	CHH	-0.0481
Gm06	9338675	9339229	Gmdrm	hypo	CHH	-0.0161
Gm06	9341350	9341914	Gmdrm	hypo	CHH	-0.0159
Gm06	9352075	9353069	Gmdrm	hypo	CHH	-0.0127
Gm06	9371018	9372006	Gmdrm	hypo	CHH	-0.016
Gm06	9372772	9373133	Gmdrm	hypo	CHH	-0.0367
Gm06	9374909	9375904	Gmdrm	hypo	CHH	-0.2114
Gm06	9375915	9376737	Gmdrm	hypo	CHH	-0.1678
Gm06	9380170	9381164	Gmdrm	hypo	CHH	-0.0233
Gm06	9391265	9391967	Gmdrm	hypo	CHH	-0.0189
Gm06	9395155	9396150	Gmdrm	hypo	CHH	-0.0185
Gm06	9396493	9397384	Gmdrm	hypo	CHH	-0.0179
Gm06	9401522	9401659	Gmdrm	hypo	CHH	-0.0494
Gm06	9413057	9414053	Gmdrm	hypo	CHH	-0.0515
Gm06	9421580	9422577	Gmdrm	hypo	CHH	-0.0825
Gm06	9422586	9423580	Gmdrm	hypo	CHH	-0.0989
Gm06	9436457	9437454	Gmdrm	hypo	CHH	-0.0397
Gm06	9437459	9438454	Gmdrm	hypo	CHH	-0.048
Gm06	9438475	9439466	Gmdrm	hypo	CHH	-0.0497
Gm06	9439510	9440503	Gmdrm	hypo	CHH	-0.107
Gm06	9451299	9452123	Gmdrm	hypo	CHH	-0.0287
Gm06	9471824	9472820	Gmdrm	hypo	CHH	-0.0325
Gm06	9475142	9476141	Gmdrm	hypo	CHH	-0.0242
Gm06	9492643	9493643	Gmdrm	hypo	CHH	-0.1166
Gm06	9493645	9494638	Gmdrm	hypo	CHH	-0.1296
Gm06	9504120	9505111	Gmdrm	hypo	CHH	-0.1466
Gm06	9510491	9511490	Gmdrm	hypo	CHH	-0.0214
Gm06	9512533	9513504	Gmdrm	hypo	CHH	-0.0149
Gm06	9515980	9516980	Gmdrm	hypo	CHH	-0.0367

Gm06	9516990	9517946	Gmdrm	hypo	CHH	-0.1723
Gm06	9532200	9533052	Gmdrm	hypo	CHH	-0.0244
Gm06	9533158	9534145	Gmdrm	hypo	CHH	-0.0178
Gm06	9538463	9539463	Gmdrm	hypo	CHH	-0.1195
Gm06	9539477	9540474	Gmdrm	hypo	CHH	-0.0419
Gm06	9541484	9542442	Gmdrm	hypo	CHH	-0.0638
Gm06	9542485	9543360	Gmdrm	hypo	CHH	-0.0168
Gm06	9555620	9555937	Gmdrm	hypo	CHH	-0.0289
Gm06	9561306	9562121	Gmdrm	hypo	CHH	-0.025
Gm06	9567322	9567635	Gmdrm	hypo	CHH	-0.0388
Gm06	9578037	9579032	Gmdrm	hypo	CHH	-0.0156
Gm06	9584524	9584950	Gmdrm	hypo	CHH	-0.033
Gm06	9587571	9588567	Gmdrm	hypo	CHH	-0.0273
Gm06	9599944	9600357	Gmdrm	hypo	CHH	-0.079
Gm06	9616223	9617219	Gmdrm	hypo	CHH	-0.0139
Gm06	9617660	9618657	Gmdrm	hypo	CHH	-0.2317
Gm06	9620687	9621682	Gmdrm	hypo	CHH	-0.0214
Gm06	9624381	9625234	Gmdrm	hypo	CHH	-0.2493
Gm06	9631116	9631437	Gmdrm	hypo	CHH	-0.1086
Gm06	9639002	9639992	Gmdrm	hypo	CHH	-0.014
Gm06	9640003	9640375	Gmdrm	hypo	CHH	-0.0252
Gm06	9646466	9647428	Gmdrm	hypo	CHH	-0.0188
Gm06	9661417	9662417	Gmdrm	hypo	CHH	-0.0528
Gm06	9662423	9663418	Gmdrm	hypo	CHH	-0.0756
Gm06	9666769	9667765	Gmdrm	hypo	CHH	-0.3042
Gm06	9667770	9668646	Gmdrm	hypo	CHH	-0.1294
Gm06	9670158	9671157	Gmdrm	hypo	CHH	-0.0323
Gm06	9695433	9696043	Gmdrm	hypo	CHH	-0.0324
Gm06	9701912	9702910	Gmdrm	hypo	CHH	-0.0981
Gm06	9702913	9703901	Gmdrm	hypo	CHH	-0.0547
Gm06	9703914	9704913	Gmdrm	hypo	CHH	-0.053
Gm06	9717587	9718583	Gmdrm	hypo	CHH	-0.0522
Gm06	9718592	9719589	Gmdrm	hypo	CHH	-0.0802
Gm06	9729108	9730101	Gmdrm	hypo	CHH	-0.0199
Gm06	9739131	9740110	Gmdrm	hypo	CHH	-0.0299
Gm06	9740866	9741285	Gmdrm	hypo	CHH	-0.0513
Gm06	9750497	9751475	Gmdrm	hypo	CHH	-0.0141
Gm06	9753928	9754926	Gmdrm	hypo	CHH	-0.0228
Gm06	9765044	9765206	Gmdrm	hypo	CHH	-0.0379
Gm06	9765312	9766269	Gmdrm	hypo	CHH	-0.0165
Gm06	9768295	9769295	Gmdrm	hypo	CHH	-0.0421
Gm06	9769296	9770293	Gmdrm	hypo	CHH	-0.084
Gm06	9770339	9771338	Gmdrm	hypo	CHH	-0.1979
Gm06	9771397	9771623	Gmdrm	hypo	CHH	-0.3434
Gm06	9771739	9771763	Gmdrm	hypo	CHH	-0.31
Gm06	9788211	9789200	Gmdrm	hypo	CHH	-0.1187

Gm06	9797774	9798759	Gmdrm	hypo	CHH	-0.0297
Gm06	9810767	9811758	Gmdrm	hypo	CHH	-0.0179
Gm06	9819842	9820841	Gmdrm	hypo	CHH	-0.0727
Gm06	9820846	9821846	Gmdrm	hypo	CHH	-0.1024
Gm06	9824309	9825295	Gmdrm	hypo	CHH	-0.042
Gm06	9834705	9835692	Gmdrm	hypo	CHH	-0.0126
Gm06	9840435	9841430	Gmdrm	hypo	CHH	-0.1396
Gm06	9863507	9864504	Gmdrm	hypo	CHH	-0.0256
Gm06	9871992	9872965	Gmdrm	hypo	CHH	-0.0367
Gm06	9872993	9873993	Gmdrm	hypo	CHH	-0.0769
Gm06	9873999	9874986	Gmdrm	hypo	CHH	-0.0938
Gm06	9890895	9891886	Gmdrm	hypo	CHH	-0.0246
Gm06	9897401	9898387	Gmdrm	hypo	CHH	-0.02
Gm06	9906541	9907541	Gmdrm	hypo	CHH	-0.0549
Gm06	9907543	9908184	Gmdrm	hypo	CHH	-0.1749
Gm06	9909794	9910794	Gmdrm	hypo	CHH	-0.0223
Gm06	9910816	9911809	Gmdrm	hypo	CHH	-0.0674
Gm06	9916476	9917458	Gmdrm	hypo	CHH	-0.149
Gm06	9917477	9918473	Gmdrm	hypo	CHH	-0.1993
Gm06	9920081	9920224	Gmdrm	hypo	CHH	-0.0412
Gm06	9920346	9921300	Gmdrm	hypo	CHH	-0.1061
Gm06	9921372	9922353	Gmdrm	hypo	CHH	-0.0822
Gm06	9928505	9929494	Gmdrm	hypo	CHH	-0.0897
Gm06	9945210	9946196	Gmdrm	hypo	CHH	-0.076
Gm06	9946239	9947233	Gmdrm	hypo	CHH	-0.0546
Gm06	9957217	9958208	Gmdrm	hypo	CHH	-0.0148
Gm06	9979778	9980777	Gmdrm	hypo	CHH	-0.3207
Gm06	9980779	9981217	Gmdrm	hypo	CHH	-0.0276
Gm06	9987472	9988054	Gmdrm	hypo	CHH	-0.026
Gm06	10016320	10017318	Gmdrm	hypo	CHH	-0.1888
Gm06	10019076	10019569	Gmdrm	hypo	CHH	-0.0307
Gm06	10020711	10021696	Gmdrm	hypo	CHH	-0.0222
Gm06	10022763	10023745	Gmdrm	hypo	CHH	-0.0189
Gm06	10024117	10025116	Gmdrm	hypo	CHH	-0.0645
Gm06	10025139	10025720	Gmdrm	hypo	CHH	-0.1999
Gm06	10029987	10030981	Gmdrm	hypo	CHH	-0.076
Gm06	10034063	10035057	Gmdrm	hypo	CHH	-0.013
Gm06	10044704	10045675	Gmdrm	hypo	CHH	-0.0108
Gm06	10047771	10048770	Gmdrm	hypo	CHH	-0.0116
Gm06	10049278	10050278	Gmdrm	hypo	CHH	-0.1276
Gm06	10070922	10071910	Gmdrm	hypo	CHH	-0.0262
Gm06	10077816	10078807	Gmdrm	hypo	CHH	-0.1171
Gm06	10081835	10082821	Gmdrm	hypo	CHH	-0.0578
Gm06	10083870	10084369	Gmdrm	hypo	CHH	-0.0779
Gm06	10094677	10095674	Gmdrm	hypo	CHH	-0.0187
Gm06	10095689	10096674	Gmdrm	hypo	CHH	-0.0313

Gm06	10106849	10107834	Gmdrm	hypo	CHH	-0.0725
Gm06	10107850	10108850	Gmdrm	hypo	CHH	-0.2103
Gm06	10108862	10109855	Gmdrm	hypo	CHH	-0.0195
Gm06	10112404	10112763	Gmdrm	hypo	CHH	-0.0487
Gm06	10113360	10114352	Gmdrm	hypo	CHH	-0.013
Gm06	10122359	10123352	Gmdrm	hypo	CHH	-0.0618
Gm06	10123361	10124353	Gmdrm	hypo	CHH	-0.075
Gm06	10124362	10125356	Gmdrm	hypo	CHH	-0.0602
Gm06	10125369	10126304	Gmdrm	hypo	CHH	-0.0418
Gm06	10135968	10136507	Gmdrm	hypo	CHH	-0.0129
Gm06	10137145	10137324	Gmdrm	hypo	CHH	-0.0394
Gm06	10155205	10155945	Gmdrm	hypo	CHH	-0.0238
Gm06	10158096	10159086	Gmdrm	hypo	CHH	-0.0384
Gm06	10159097	10159877	Gmdrm	hypo	CHH	-0.0229
Gm06	10161168	10162159	Gmdrm	hypo	CHH	-0.0874
Gm06	10162183	10163119	Gmdrm	hypo	CHH	-0.0891
Gm06	10185351	10186343	Gmdrm	hypo	CHH	-0.0495
Gm06	10186354	10187352	Gmdrm	hypo	CHH	-0.0392
Gm06	10189759	10190748	Gmdrm	hypo	CHH	-0.0179
Gm06	10195158	10195873	Gmdrm	hypo	CHH	-0.0997
Gm06	10195985	10196982	Gmdrm	hypo	CHH	-0.1251
Gm06	10201727	10202714	Gmdrm	hypo	CHH	-0.0141
Gm06	10207159	10208134	Gmdrm	hypo	CHH	-0.0168
Gm06	10213734	10214732	Gmdrm	hypo	CHH	-0.1979
Gm06	10214741	10215731	Gmdrm	hypo	CHH	-0.0476
Gm06	10219839	10220839	Gmdrm	hypo	CHH	-0.1226
Gm06	10220856	10221854	Gmdrm	hypo	CHH	-0.0954
Gm06	10229311	10229701	Gmdrm	hypo	CHH	-0.0241
Gm06	10230813	10231224	Gmdrm	hypo	CHH	-0.0214
Gm06	10231331	10231531	Gmdrm	hypo	CHH	-0.0267
Gm06	10238660	10239656	Gmdrm	hypo	CHH	-0.097
Gm06	10239669	10240667	Gmdrm	hypo	CHH	-0.0112
Gm06	10248536	10249522	Gmdrm	hypo	CHH	-0.0438
Gm06	10249549	10250522	Gmdrm	hypo	CHH	-0.0742
Gm06	10250574	10251558	Gmdrm	hypo	CHH	-0.0201
Gm06	10251606	10252604	Gmdrm	hypo	CHH	-0.1045
Gm06	10252608	10253590	Gmdrm	hypo	CHH	-0.1156
Gm06	10275468	10276420	Gmdrm	hypo	CHH	-0.1812
Gm06	10278824	10279789	Gmdrm	hypo	CHH	-0.0195
Gm06	10287914	10288910	Gmdrm	hypo	CHH	-0.1564
Gm06	10288915	10289906	Gmdrm	hypo	CHH	-0.0789
Gm06	10294393	10294828	Gmdrm	hypo	CHH	-0.0236
Gm06	10296448	10297414	Gmdrm	hypo	CHH	-0.0118
Gm06	10298451	10299421	Gmdrm	hypo	CHH	-0.0124
Gm06	10304052	10305033	Gmdrm	hypo	CHH	-0.0104
Gm06	10311295	10311907	Gmdrm	hypo	CHH	-0.0794

Gm06	10319420	10320378	Gmdrm	hypo	CHH	-0.0329
Gm06	10325822	10325961	Gmdrm	hypo	CHH	-0.0278
Gm06	10331522	10332504	Gmdrm	hypo	CHH	-0.0508
Gm06	10336583	10337549	Gmdrm	hypo	CHH	-0.0161
Gm06	10345987	10346800	Gmdrm	hypo	CHH	-0.0213
Gm06	10351822	10352813	Gmdrm	hypo	CHH	-0.1451
Gm06	10354889	10355888	Gmdrm	hypo	CHH	-0.1809
Gm06	10355890	10356887	Gmdrm	hypo	CHH	-0.1817
Gm06	10356908	10357904	Gmdrm	hypo	CHH	-0.0941
Gm06	10357913	10358419	Gmdrm	hypo	CHH	-0.2062
Gm06	10358542	10359540	Gmdrm	hypo	CHH	-0.0778
Gm06	10359549	10360196	Gmdrm	hypo	CHH	-0.0355
Gm06	10372188	10373168	Gmdrm	hypo	CHH	-0.0368
Gm06	10398045	10398189	Gmdrm	hypo	CHH	-0.065
Gm06	10410662	10411654	Gmdrm	hypo	CHH	-0.0369
Gm06	10413080	10414072	Gmdrm	hypo	CHH	-0.0114
Gm06	10414142	10415113	Gmdrm	hypo	CHH	-0.0146
Gm06	10415146	10416107	Gmdrm	hypo	CHH	-0.0186
Gm06	10422179	10423174	Gmdrm	hypo	CHH	-0.0588
Gm06	10423189	10423649	Gmdrm	hypo	CHH	-0.195
Gm06	10425628	10426591	Gmdrm	hypo	CHH	-0.0314
Gm06	10437732	10438705	Gmdrm	hypo	CHH	-0.0529
Gm06	10451665	10452634	Gmdrm	hypo	CHH	-0.0237
Gm06	10473808	10473890	Gmdrm	hypo	CHH	-0.0471
Gm06	10476777	10477777	Gmdrm	hypo	CHH	-0.0128
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Gm06	10479797	10480757	Gmdrm	hypo	CHH	-0.0417
Gm06	10481855	10482850	Gmdrm	hypo	CHH	-0.0345
Gm06	10482857	10483819	Gmdrm	hypo	CHH	-0.1654
Gm06	10491685	10492680	Gmdrm	hypo	CHH	-0.3105
Gm06	10492710	10493663	Gmdrm	hypo	CHH	-0.2331
Gm06	10497578	10498352	Gmdrm	hypo	CHH	-0.0202
Gm06	10506015	10507012	Gmdrm	hypo	CHH	-0.0294
Gm06	10507027	10508015	Gmdrm	hypo	CHH	-0.0502
Gm06	10513497	10514482	Gmdrm	hypo	CHH	-0.0404
Gm06	10517523	10518517	Gmdrm	hypo	CHH	-0.0148
Gm06	10541553	10542545	Gmdrm	hypo	CHH	-0.0117
Gm06	10581797	10582063	Gmdrm	hypo	CHH	-0.0459
Gm06	10591257	10592251	Gmdrm	hypo	CHH	-0.0367
Gm06	10592258	10593248	Gmdrm	hypo	CHH	-0.064
Gm06	10621536	10622500	Gmdrm	hypo	CHH	-0.0373
Gm06	10622537	10623534	Gmdrm	hypo	CHH	-0.0246
Gm06	10625610	10626600	Gmdrm	hypo	CHH	-0.012
Gm06	10626979	10627840	Gmdrm	hypo	CHH	-0.0769
Gm06	10631299	10632287	Gmdrm	hypo	CHH	-0.0763
Gm06	10636812	10637800	Gmdrm	hypo	CHH	-0.1148

Gm06	10637830	10638829	Gmdrm	hypo	CHH	-0.0145
Gm06	10667340	10668339	Gmdrm	hypo	CHH	-0.2484
Gm06	10668343	10668674	Gmdrm	hypo	CHH	-0.0467
Gm06	10668776	10669776	Gmdrm	hypo	CHH	-0.02
Gm06	10677272	10678271	Gmdrm	hypo	CHH	-0.0202
Gm06	10684140	10685121	Gmdrm	hypo	CHH	-0.038
Gm06	10685146	10686145	Gmdrm	hypo	CHH	-0.0706
Gm06	10686167	10687151	Gmdrm	hypo	CHH	-0.0135
Gm06	10690598	10691323	Gmdrm	hypo	CHH	-0.0159
Gm06	10702460	10703184	Gmdrm	hypo	CHH	-0.021
Gm06	10711614	10712592	Gmdrm	hypo	CHH	-0.0155
Gm06	10717714	10718691	Gmdrm	hypo	CHH	-0.0532
Gm06	10730951	10731943	Gmdrm	hypo	CHH	-0.019
Gm06	10736131	10737122	Gmdrm	hypo	CHH	-0.0212
Gm06	10746113	10747108	Gmdrm	hypo	CHH	-0.0207
Gm06	10747721	10748664	Gmdrm	hypo	CHH	-0.0096
Gm06	10749135	10750114	Gmdrm	hypo	CHH	-0.0196
Gm06	10757866	10758858	Gmdrm	hypo	CHH	-0.0105
Gm06	10759887	10760873	Gmdrm	hypo	CHH	-0.0292
Gm06	10762858	10763821	Gmdrm	hypo	CHH	-0.0477
Gm06	10783602	10784567	Gmdrm	hypo	CHH	-0.0154
Gm06	10787236	10787322	Gmdrm	hypo	CHH	-0.0666
Gm06	10799846	10799913	Gmdrm	hypo	CHH	-0.034
Gm06	10800651	10801641	Gmdrm	hypo	CHH	-0.0602
Gm06	10803694	10804651	Gmdrm	hypo	CHH	-0.0155
Gm06	10807320	10808311	Gmdrm	hypo	CHH	-0.0167
Gm06	10808335	10809333	Gmdrm	hypo	CHH	-0.0528
Gm06	10809338	10810322	Gmdrm	hypo	CHH	-0.0854
Gm06	10811352	10812344	Gmdrm	hypo	CHH	-0.0262
Gm06	10814376	10815000	Gmdrm	hypo	CHH	-0.0172
Gm06	10821664	10822659	Gmdrm	hypo	CHH	-0.0204
Gm06	10823970	10824799	Gmdrm	hypo	CHH	-0.058
Gm06	10831550	10832549	Gmdrm	hypo	CHH	-0.0234
Gm06	10832553	10833550	Gmdrm	hypo	CHH	-0.1157
Gm06	10833569	10834569	Gmdrm	hypo	CHH	-0.0218
Gm06	10844122	10845119	Gmdrm	hypo	CHH	-0.0567
Gm06	10845124	10846095	Gmdrm	hypo	CHH	-0.0939
Gm06	10862075	10863070	Gmdrm	hypo	CHH	-0.0137
Gm06	10874054	10875046	Gmdrm	hypo	CHH	-0.0485
Gm06	10875074	10876064	Gmdrm	hypo	CHH	-0.0231
Gm06	10879664	10879826	Gmdrm	hypo	CHH	-0.1433
Gm06	10892880	10893521	Gmdrm	hypo	CHH	-0.0466
Gm06	10894631	10895617	Gmdrm	hypo	CHH	-0.0221
Gm06	10902026	10903024	Gmdrm	hypo	CHH	-0.1366
Gm06	10903028	10904024	Gmdrm	hypo	CHH	-0.0897
Gm06	10911992	10912972	Gmdrm	hypo	CHH	-0.0273

Gm06	10917398	10918380	Gmdrm	hypo	CHH	-0.0156
Gm06	10919614	10920601	Gmdrm	hypo	CHH	-0.0139
Gm06	10928317	10928526	Gmdrm	hypo	CHH	-0.0471
Gm06	10928632	10928940	Gmdrm	hypo	CHH	-0.04
Gm06	10932305	10932863	Gmdrm	hypo	CHH	-0.0374
Gm06	10946770	10947274	Gmdrm	hypo	CHH	-0.0229
Gm06	10960859	10961853	Gmdrm	hypo	CHH	-0.0134
Gm06	10968261	10969227	Gmdrm	hypo	CHH	-0.0081
Gm06	10974008	10974981	Gmdrm	hypo	CHH	-0.0195
Gm06	10985228	10986224	Gmdrm	hypo	CHH	-0.0852
Gm06	10986229	10987225	Gmdrm	hypo	CHH	-0.0595
Gm06	10987242	10987766	Gmdrm	hypo	CHH	-0.0926
Gm06	10991730	10992718	Gmdrm	hypo	CHH	-0.0179
Gm06	11001469	11002460	Gmdrm	hypo	CHH	-0.0266
Gm06	11019575	11020574	Gmdrm	hypo	CHH	-0.1047
Gm06	11020598	11021584	Gmdrm	hypo	CHH	-0.0287
Gm06	11021940	11022075	Gmdrm	hypo	CHH	-0.0688
Gm06	11027087	11028076	Gmdrm	hypo	CHH	-0.0273
Gm06	11036022	11037000	Gmdrm	hypo	CHH	-0.0331
Gm06	11037055	11038030	Gmdrm	hypo	CHH	-0.0651
Gm06	11062514	11063507	Gmdrm	hypo	CHH	-0.0296
Gm06	11063522	11064236	Gmdrm	hypo	CHH	-0.0303
Gm06	11066093	11067092	Gmdrm	hypo	CHH	-0.0638
Gm06	11067113	11068110	Gmdrm	hypo	CHH	-0.0597
Gm06	11068120	11069078	Gmdrm	hypo	CHH	-0.0663
Gm06	11071761	11072747	Gmdrm	hypo	CHH	-0.1481
Gm06	11073783	11074782	Gmdrm	hypo	CHH	-0.0466
Gm06	11074803	11075803	Gmdrm	hypo	CHH	-0.0373
Gm06	11075826	11076825	Gmdrm	hypo	CHH	-0.0541
Gm06	11076829	11077820	Gmdrm	hypo	CHH	-0.1152
Gm06	11084520	11084609	Gmdrm	hypo	CHH	-0.064
Gm06	11109785	11110699	Gmdrm	hypo	CHH	-0.1395
Gm06	11113914	11114907	Gmdrm	hypo	CHH	-0.03
Gm06	11115093	11115610	Gmdrm	hypo	CHH	-0.0296
Gm06	11116018	11117000	Gmdrm	hypo	CHH	-0.0259
Gm06	11124354	11125137	Gmdrm	hypo	CHH	-0.0293
Gm06	11134028	11135027	Gmdrm	hypo	CHH	-0.1037
Gm06	11147343	11148297	Gmdrm	hypo	CHH	-0.0254
Gm06	11165118	11166105	Gmdrm	hypo	CHH	-0.0124
Gm06	11168949	11169929	Gmdrm	hypo	CHH	-0.0597
Gm06	11170201	11171142	Gmdrm	hypo	CHH	-0.0176
Gm06	11185484	11186465	Gmdrm	hypo	CHH	-0.0196
Gm06	11192643	11193626	Gmdrm	hypo	CHH	-0.0181
Gm06	11197750	11198475	Gmdrm	hypo	CHH	-0.0731
Gm06	11201524	11202508	Gmdrm	hypo	CHH	-0.021
Gm06	11208364	11208625	Gmdrm	hypo	CHH	-0.055

Gm06	11222912	11223902	Gmdrm	hypo	CHH	-0.0231
Gm06	11229123	11230094	Gmdrm	hypo	CHH	-0.0301
Gm06	11230191	11230721	Gmdrm	hypo	CHH	-0.0481
Gm06	11232020	11233019	Gmdrm	hypo	CHH	-0.1475
Gm06	11233028	11234003	Gmdrm	hypo	CHH	-0.1914
Gm06	11239354	11240326	Gmdrm	hypo	CHH	-0.1924
Gm06	11254892	11255084	Gmdrm	hypo	CHH	-0.05
Gm06	11262240	11262344	Gmdrm	hypo	CHH	-0.102
Gm06	11291274	11291630	Gmdrm	hypo	CHH	-0.0593
Gm06	11294650	11295376	Gmdrm	hypo	CHH	-0.0155
Gm06	11302931	11303916	Gmdrm	hypo	CHH	-0.0174
Gm06	11311938	11312926	Gmdrm	hypo	CHH	-0.1802
Gm06	11315512	11316500	Gmdrm	hypo	CHH	-0.0538
Gm06	11320296	11321296	Gmdrm	hypo	CHH	-0.2008
Gm06	11321301	11322293	Gmdrm	hypo	CHH	-0.1009
Gm06	11322306	11322949	Gmdrm	hypo	CHH	-0.1541
Gm06	11334178	11335147	Gmdrm	hypo	CHH	-0.0195
Gm06	11341553	11342537	Gmdrm	hypo	CHH	-0.0172
Gm06	11357541	11358380	Gmdrm	hypo	CHH	-0.0232
Gm06	11362772	11363129	Gmdrm	hypo	CHH	-0.0483
Gm06	11364210	11365204	Gmdrm	hypo	CHH	-0.0764
Gm06	11365221	11366182	Gmdrm	hypo	CHH	-0.0885
Gm06	11371592	11372588	Gmdrm	hypo	CHH	-0.1117
Gm06	11379154	11380141	Gmdrm	hypo	CHH	-0.0118
Gm06	11386421	11386593	Gmdrm	hypo	CHH	-0.03
Gm06	11388568	11389566	Gmdrm	hypo	CHH	-0.0531
Gm06	11389570	11390545	Gmdrm	hypo	CHH	-0.0915
Gm06	11391302	11391692	Gmdrm	hypo	CHH	-0.0676
Gm06	11400469	11401080	Gmdrm	hypo	CHH	-0.0386
Gm06	11404524	11405505	Gmdrm	hypo	CHH	-0.0223
Gm06	11410315	11411061	Gmdrm	hypo	CHH	-0.0454
Gm06	11434078	11435071	Gmdrm	hypo	CHH	-0.0362
Gm06	11435080	11436065	Gmdrm	hypo	CHH	-0.049
Gm06	11437110	11438091	Gmdrm	hypo	CHH	-0.0197
Gm06	11450336	11451334	Gmdrm	hypo	CHH	-0.0231
Gm06	11458066	11458914	Gmdrm	hypo	CHH	-0.057
Gm06	11468270	11469244	Gmdrm	hypo	CHH	-0.0448
Gm06	11470275	11471162	Gmdrm	hypo	CHH	-0.0634
Gm06	11474540	11475534	Gmdrm	hypo	CHH	-0.0122
Gm06	11479414	11480413	Gmdrm	hypo	CHH	-0.0552
Gm06	11480419	11481418	Gmdrm	hypo	CHH	-0.1035
Gm06	11481433	11482406	Gmdrm	hypo	CHH	-0.1496
Gm06	11496585	11497583	Gmdrm	hypo	CHH	-0.1055
Gm06	11497591	11498585	Gmdrm	hypo	CHH	-0.0671
Gm06	11498613	11499601	Gmdrm	hypo	CHH	-0.0348
Gm06	11504051	11505045	Gmdrm	hypo	CHH	-0.028

Gm06	11512890	11513885	Gmdrm	hypo	CHH	-0.0216
Gm06	11521443	11522437	Gmdrm	hypo	CHH	-0.0438
Gm06	11534539	11534837	Gmdrm	hypo	CHH	-0.0365
Gm06	11543193	11544101	Gmdrm	hypo	CHH	-0.0256
Gm06	11544266	11545251	Gmdrm	hypo	CHH	-0.0182
Gm06	11561146	11561907	Gmdrm	hypo	CHH	-0.0171
Gm06	11576463	11577459	Gmdrm	hypo	CHH	-0.0107
Gm06	11579190	11580189	Gmdrm	hypo	CHH	-0.0926
Gm06	11580191	11580587	Gmdrm	hypo	CHH	-0.2518
Gm06	11593822	11594653	Gmdrm	hypo	CHH	-0.0296
Gm06	11594810	11595809	Gmdrm	hypo	CHH	-0.1309
Gm06	11595815	11596772	Gmdrm	hypo	CHH	-0.2239
Gm06	11604397	11605397	Gmdrm	hypo	CHH	-0.1992
Gm06	11605403	11606403	Gmdrm	hypo	CHH	-0.0649
Gm06	11610646	11611645	Gmdrm	hypo	CHH	-0.0119
Gm06	11613672	11614665	Gmdrm	hypo	CHH	-0.0156
Gm06	11614673	11615662	Gmdrm	hypo	CHH	-0.0154
Gm06	11648878	11649871	Gmdrm	hypo	CHH	-0.0204
Gm06	11667974	11668958	Gmdrm	hypo	CHH	-0.2285
Gm06	11669046	11670041	Gmdrm	hypo	CHH	-0.0202
Gm06	11670068	11671066	Gmdrm	hypo	CHH	-0.0424
Gm06	11671077	11671411	Gmdrm	hypo	CHH	-0.0257
Gm06	11680705	11681178	Gmdrm	hypo	CHH	-0.0365
Gm06	11683371	11684369	Gmdrm	hypo	CHH	-0.0471
Gm06	11684372	11684994	Gmdrm	hypo	CHH	-0.0205
Gm06	11685104	11686077	Gmdrm	hypo	CHH	-0.0134
Gm06	11688215	11689176	Gmdrm	hypo	CHH	-0.0989
Gm06	11710252	11711236	Gmdrm	hypo	CHH	-0.0398
Gm06	11711265	11711941	Gmdrm	hypo	CHH	-0.0217
Gm06	11720659	11721639	Gmdrm	hypo	CHH	-0.0464
Gm06	11736484	11737212	Gmdrm	hypo	CHH	-0.0214
Gm06	11737321	11738261	Gmdrm	hypo	CHH	-0.0272
Gm06	11747790	11748781	Gmdrm	hypo	CHH	-0.027
Gm06	11748802	11749784	Gmdrm	hypo	CHH	-0.0715
Gm06	11755852	11755923	Gmdrm	hypo	CHH	-0.3857
Gm06	11764252	11764956	Gmdrm	hypo	CHH	-0.0295
Gm06	11771046	11772039	Gmdrm	hypo	CHH	-0.1445
Gm06	11772048	11772331	Gmdrm	hypo	CHH	-0.1769
Gm06	11793106	11793279	Gmdrm	hypo	CHH	-0.05
Gm06	11800066	11801050	Gmdrm	hypo	CHH	-0.0207
Gm06	11807468	11808465	Gmdrm	hypo	CHH	-0.0647
Gm06	11808475	11809466	Gmdrm	hypo	CHH	-0.065
Gm06	11809476	11810467	Gmdrm	hypo	CHH	-0.0522
Gm06	11811488	11812270	Gmdrm	hypo	CHH	-0.0898
Gm06	11812597	11812691	Gmdrm	hypo	CHH	-0.0372
Gm06	11813640	11814632	Gmdrm	hypo	CHH	-0.0211

Gm06	11815697	11816696	Gmdrm	hypo	CHH	-0.1119
Gm06	11825004	11825990	Gmdrm	hypo	CHH	-0.0386
Gm06	11837709	11838675	Gmdrm	hypo	CHH	-0.0197
Gm06	11855104	11856096	Gmdrm	hypo	CHH	-0.0395
Gm06	11861237	11862228	Gmdrm	hypo	CHH	-0.0966
Gm06	11875357	11876211	Gmdrm	hypo	CHH	-0.03
Gm06	11881354	11882353	Gmdrm	hypo	CHH	-0.0211
Gm06	11887904	11888885	Gmdrm	hypo	CHH	-0.0201
Gm06	11891979	11892968	Gmdrm	hypo	CHH	-0.025
Gm06	11892995	11893993	Gmdrm	hypo	CHH	-0.0575
Gm06	11953748	11954733	Gmdrm	hypo	CHH	-0.0175
Gm06	11959014	11960013	Gmdrm	hypo	CHH	-0.142
Gm06	11970738	11971737	Gmdrm	hypo	CHH	-0.0448
Gm06	11971747	11972735	Gmdrm	hypo	CHH	-0.0305
Gm06	11972761	11973744	Gmdrm	hypo	CHH	-0.0197
Gm06	11975872	11976863	Gmdrm	hypo	CHH	-0.0603
Gm06	11977921	11978909	Gmdrm	hypo	CHH	-0.05
Gm06	11980530	11981519	Gmdrm	hypo	CHH	-0.0237
Gm06	11988146	11989141	Gmdrm	hypo	CHH	-0.0184
Gm06	11989150	11990146	Gmdrm	hypo	CHH	-0.0123
Gm06	11993741	11994738	Gmdrm	hypo	CHH	-0.0338
Gm06	11994747	11995521	Gmdrm	hypo	CHH	-0.1847
Gm06	11997436	11998429	Gmdrm	hypo	CHH	-0.0318
Gm06	11998439	11999432	Gmdrm	hypo	CHH	-0.0674
Gm06	12012757	12013755	Gmdrm	hypo	CHH	-0.0666
Gm06	12013771	12014767	Gmdrm	hypo	CHH	-0.0457
Gm06	12022753	12023717	Gmdrm	hypo	CHH	-0.046
Gm06	12039405	12040389	Gmdrm	hypo	CHH	-0.021
Gm06	12043462	12044461	Gmdrm	hypo	CHH	-0.1877
Gm06	12045895	12046891	Gmdrm	hypo	CHH	-0.0323
Gm06	12046899	12047890	Gmdrm	hypo	CHH	-0.0253
Gm06	12051591	12052578	Gmdrm	hypo	CHH	-0.0129
Gm06	12054612	12055532	Gmdrm	hypo	CHH	-0.0202
Gm06	12062872	12063861	Gmdrm	hypo	CHH	-0.0358
Gm06	12065899	12066899	Gmdrm	hypo	CHH	-0.1708
Gm06	12066900	12067458	Gmdrm	hypo	CHH	-0.0453
Gm06	12081745	12081930	Gmdrm	hypo	CHH	-0.0789
Gm06	12086438	12086783	Gmdrm	hypo	CHH	-0.1871
Gm06	12086955	12087128	Gmdrm	hypo	CHH	-0.162
Gm06	12096383	12097362	Gmdrm	hypo	CHH	-0.0702
Gm06	12102549	12103541	Gmdrm	hypo	CHH	-0.0171
Gm06	12107345	12108338	Gmdrm	hypo	CHH	-0.0212
Gm06	12118104	12119095	Gmdrm	hypo	CHH	-0.0557
Gm06	12129763	12130763	Gmdrm	hypo	CHH	-0.0204
Gm06	12140820	12141682	Gmdrm	hypo	CHH	-0.0164
Gm06	12144823	12145811	Gmdrm	hypo	CHH	-0.0148

Gm06	12152382	12153211	Gmdrm	hypo	CHH	-0.3593
Gm06	12165305	12166303	Gmdrm	hypo	CHH	-0.0149
Gm06	12172785	12173597	Gmdrm	hypo	CHH	-0.0281
Gm06	12187186	12188183	Gmdrm	hypo	CHH	-0.1346
Gm06	12204822	12205485	Gmdrm	hypo	CHH	-0.013
Gm06	12213713	12214483	Gmdrm	hypo	CHH	-0.026
Gm06	12214816	12215813	Gmdrm	hypo	CHH	-0.0225
Gm06	12223201	12224164	Gmdrm	hypo	CHH	-0.0254
Gm06	12224210	12225199	Gmdrm	hypo	CHH	-0.0355
Gm06	12226220	12227177	Gmdrm	hypo	CHH	-0.0233
Gm06	12232534	12233439	Gmdrm	hypo	CHH	-0.1966
Gm06	12233851	12234706	Gmdrm	hypo	CHH	-0.0674
Gm06	12254251	12255214	Gmdrm	hypo	CHH	-0.1684
Gm06	12278849	12279847	Gmdrm	hypo	CHH	-0.0733
Gm06	12279857	12280821	Gmdrm	hypo	CHH	-0.0696
Gm06	12287177	12288176	Gmdrm	hypo	CHH	-0.012
Gm06	12303843	12304833	Gmdrm	hypo	CHH	-0.1119
Gm06	12309361	12310358	Gmdrm	hypo	CHH	-0.0898
Gm06	12313408	12314407	Gmdrm	hypo	CHH	-0.0881
Gm06	12314416	12315416	Gmdrm	hypo	CHH	-0.1579
Gm06	12342659	12343654	Gmdrm	hypo	CHH	-0.0682
Gm06	12343693	12344683	Gmdrm	hypo	CHH	-0.0885
Gm06	12353541	12354539	Gmdrm	hypo	CHH	-0.0193
Gm06	12358366	12359352	Gmdrm	hypo	CHH	-0.0603
Gm06	12359399	12360365	Gmdrm	hypo	CHH	-0.0437
Gm06	12365237	12365686	Gmdrm	hypo	CHH	-0.0977
Gm06	12374246	12374977	Gmdrm	hypo	CHH	-0.0705
Gm06	12377215	12378203	Gmdrm	hypo	CHH	-0.018
Gm06	12379218	12380202	Gmdrm	hypo	CHH	-0.0193
Gm06	12382765	12383006	Gmdrm	hypo	CHH	-0.051
Gm06	12383131	12384112	Gmdrm	hypo	CHH	-0.0131
Gm06	12399639	12400639	Gmdrm	hypo	CHH	-0.053
Gm06	12400643	12401619	Gmdrm	hypo	CHH	-0.0401
Gm06	12406620	12407611	Gmdrm	hypo	CHH	-0.105
Gm06	12412361	12413279	Gmdrm	hypo	CHH	-0.1774
Gm06	12415038	12416024	Gmdrm	hypo	CHH	-0.0243
Gm06	12432848	12433687	Gmdrm	hypo	CHH	-0.0301
Gm06	12444284	12445283	Gmdrm	hypo	CHH	-0.0903
Gm06	12445286	12446242	Gmdrm	hypo	CHH	-0.1028
Gm06	12448038	12449034	Gmdrm	hypo	CHH	-0.0193
Gm06	12449041	12450033	Gmdrm	hypo	CHH	-0.0951
Gm06	12455151	12456115	Gmdrm	hypo	CHH	-0.0144
Gm06	12456492	12457465	Gmdrm	hypo	CHH	-0.1476
Gm06	12458748	12459746	Gmdrm	hypo	CHH	-0.1134
Gm06	12463774	12464766	Gmdrm	hypo	CHH	-0.0184
Gm06	12471443	12472415	Gmdrm	hypo	CHH	-0.0275

Gm06	12487523	12488523	Gmdrm	hypo	CHH	-0.0143
Gm06	12508113	12509103	Gmdrm	hypo	CHH	-0.0191
Gm06	12515524	12516466	Gmdrm	hypo	CHH	-0.0139
Gm06	12544022	12545021	Gmdrm	hypo	CHH	-0.2468
Gm06	12545039	12546036	Gmdrm	hypo	CHH	-0.0544
Gm06	12546060	12547046	Gmdrm	hypo	CHH	-0.0864
Gm06	12549063	12550063	Gmdrm	hypo	CHH	-0.0219
Gm06	12551069	12551920	Gmdrm	hypo	CHH	-0.0607
Gm06	12552551	12553549	Gmdrm	hypo	CHH	-0.0623
Gm06	12553552	12554493	Gmdrm	hypo	CHH	-0.0226
Gm06	12573027	12573928	Gmdrm	hypo	CHH	-0.0257
Gm06	12576525	12577510	Gmdrm	hypo	CHH	-0.0188
Gm06	12577526	12578455	Gmdrm	hypo	CHH	-0.3766
Gm06	12580164	12581121	Gmdrm	hypo	CHH	-0.0237
Gm06	12584245	12584913	Gmdrm	hypo	CHH	-0.0286
Gm06	12599184	12600157	Gmdrm	hypo	CHH	-0.0654
Gm06	12608066	12608867	Gmdrm	hypo	CHH	-0.0257
Gm06	12618552	12619550	Gmdrm	hypo	CHH	-0.0244
Gm06	12622547	12623542	Gmdrm	hypo	CHH	-0.076
Gm06	12634653	12635377	Gmdrm	hypo	CHH	-0.0171
Gm06	12652089	12653056	Gmdrm	hypo	CHH	-0.0189
Gm06	12655851	12656623	Gmdrm	hypo	CHH	-0.0288
Gm06	12660041	12661023	Gmdrm	hypo	CHH	-0.1064
Gm06	12661069	12662067	Gmdrm	hypo	CHH	-0.2245
Gm06	12662070	12662544	Gmdrm	hypo	CHH	-0.272
Gm06	12671426	12672405	Gmdrm	hypo	CHH	-0.0153
Gm06	12679121	12680116	Gmdrm	hypo	CHH	-0.0509
Gm06	12692120	12693114	Gmdrm	hypo	CHH	-0.0406
Gm06	12693123	12694121	Gmdrm	hypo	CHH	-0.0718
Gm06	12694135	12695125	Gmdrm	hypo	CHH	-0.1207
Gm06	12696166	12697166	Gmdrm	hypo	CHH	-0.0906
Gm06	12697168	12698160	Gmdrm	hypo	CHH	-0.0407
Gm06	12700354	12701343	Gmdrm	hypo	CHH	-0.1184
Gm06	12701362	12702334	Gmdrm	hypo	CHH	-0.1439
Gm06	12702367	12703021	Gmdrm	hypo	CHH	-0.0693
Gm06	12705261	12706236	Gmdrm	hypo	CHH	-0.0513
Gm06	12723617	12724607	Gmdrm	hypo	CHH	-0.0454
Gm06	12725361	12726331	Gmdrm	hypo	CHH	-0.2969
Gm06	12726389	12727322	Gmdrm	hypo	CHH	-0.1058
Gm06	12738756	12739736	Gmdrm	hypo	CHH	-0.0259
Gm06	12740209	12741157	Gmdrm	hypo	CHH	-0.0434
Gm06	12741212	12741702	Gmdrm	hypo	CHH	-0.0208
Gm06	12748771	12749690	Gmdrm	hypo	CHH	-0.0158
Gm06	12759817	12760806	Gmdrm	hypo	CHH	-0.0449
Gm06	12778250	12778691	Gmdrm	hypo	CHH	-0.3469
Gm06	12780278	12781273	Gmdrm	hypo	CHH	-0.0335

Gm06	12781286	12782286	Gmdrm	hypo	CHH	-0.0414
Gm06	12782301	12783299	Gmdrm	hypo	CHH	-0.0981
Gm06	12783344	12784325	Gmdrm	hypo	CHH	-0.024
Gm06	12785381	12786377	Gmdrm	hypo	CHH	-0.0158
Gm06	12798056	12799055	Gmdrm	hypo	CHH	-0.0295
Gm06	12799069	12800063	Gmdrm	hypo	CHH	-0.1227
Gm06	12815310	12816309	Gmdrm	hypo	CHH	-0.2965
Gm06	12816311	12816862	Gmdrm	hypo	CHH	-0.035
Gm06	12831460	12832433	Gmdrm	hypo	CHH	-0.0162
Gm06	12832470	12833461	Gmdrm	hypo	CHH	-0.0222
Gm06	12846318	12847311	Gmdrm	hypo	CHH	-0.0279
Gm06	12848378	12849376	Gmdrm	hypo	CHH	-0.021
Gm06	12850381	12851368	Gmdrm	hypo	CHH	-0.0511
Gm06	12854930	12855918	Gmdrm	hypo	CHH	-0.0555
Gm06	12874588	12875586	Gmdrm	hypo	CHH	-0.0282
Gm06	12875592	12876579	Gmdrm	hypo	CHH	-0.0435
Gm06	12880244	12881238	Gmdrm	hypo	CHH	-0.2521
Gm06	12896030	12897029	Gmdrm	hypo	CHH	-0.0154
Gm06	12916299	12917246	Gmdrm	hypo	CHH	-0.0259
Gm06	12921533	12922528	Gmdrm	hypo	CHH	-0.0393
Gm06	12929122	12930110	Gmdrm	hypo	CHH	-0.0317
Gm06	12938371	12939371	Gmdrm	hypo	CHH	-0.0297
Gm06	12955842	12956244	Gmdrm	hypo	CHH	-0.0437
Gm06	12959728	12960718	Gmdrm	hypo	CHH	-0.0146
Gm06	12972482	12973482	Gmdrm	hypo	CHH	-0.1087
Gm06	12985876	12986875	Gmdrm	hypo	CHH	-0.0701
Gm06	12992766	12993755	Gmdrm	hypo	CHH	-0.1541
Gm06	12993770	12994765	Gmdrm	hypo	CHH	-0.025
Gm06	13005575	13006575	Gmdrm	hypo	CHH	-0.0177
Gm06	13011476	13012469	Gmdrm	hypo	CHH	-0.0858
Gm06	13018640	13019355	Gmdrm	hypo	CHH	-0.0154
Gm06	13020663	13021088	Gmdrm	hypo	CHH	-0.2428
Gm06	13022418	13023417	Gmdrm	hypo	CHH	-0.0185
Gm06	13023424	13024412	Gmdrm	hypo	CHH	-0.0463
Gm06	13024432	13025431	Gmdrm	hypo	CHH	-0.0398
Gm06	13028345	13029340	Gmdrm	hypo	CHH	-0.2198
Gm06	13029353	13030305	Gmdrm	hypo	CHH	-0.0368
Gm06	13030357	13030546	Gmdrm	hypo	CHH	-0.0586
Gm06	13030848	13031832	Gmdrm	hypo	CHH	-0.0537
Gm06	13031877	13032868	Gmdrm	hypo	CHH	-0.0302
Gm06	13034927	13035919	Gmdrm	hypo	CHH	-0.0676
Gm06	13035929	13036699	Gmdrm	hypo	CHH	-0.131
Gm06	13037814	13038806	Gmdrm	hypo	CHH	-0.0162
Gm06	13038816	13039815	Gmdrm	hypo	CHH	-0.0249
Gm06	13044223	13044436	Gmdrm	hypo	CHH	-0.0743
Gm06	13055222	13056221	Gmdrm	hypo	CHH	-0.0123

Gm06	13063405	13064401	Gmdrm	hypo	CHH	-0.0999
Gm06	13064419	13064853	Gmdrm	hypo	CHH	-0.06
Gm06	13116156	13117151	Gmdrm	hypo	CHH	-0.0598
Gm06	13117159	13118158	Gmdrm	hypo	CHH	-0.0528
Gm06	13118167	13119161	Gmdrm	hypo	CHH	-0.0216
Gm06	13119171	13119416	Gmdrm	hypo	CHH	-0.0332
Gm06	13120541	13121538	Gmdrm	hypo	CHH	-0.0844
Gm06	13121603	13122602	Gmdrm	hypo	CHH	-0.0177
Gm06	13123656	13123934	Gmdrm	hypo	CHH	-0.2265
Gm06	13127615	13128609	Gmdrm	hypo	CHH	-0.0137
Gm06	13141653	13142641	Gmdrm	hypo	CHH	-0.0378
Gm06	13142655	13142827	Gmdrm	hypo	CHH	-0.0583
Gm06	13143247	13144247	Gmdrm	hypo	CHH	-0.0867
Gm06	13153064	13154064	Gmdrm	hypo	CHH	-0.0171
Gm06	13159981	13160967	Gmdrm	hypo	CHH	-0.019
Gm06	13161007	13162003	Gmdrm	hypo	CHH	-0.2039
Gm06	13162008	13162977	Gmdrm	hypo	CHH	-0.1053
Gm06	13164732	13165692	Gmdrm	hypo	CHH	-0.0178
Gm06	13166813	13167797	Gmdrm	hypo	CHH	-0.0135
Gm06	13169761	13170728	Gmdrm	hypo	CHH	-0.017
Gm06	13170765	13171738	Gmdrm	hypo	CHH	-0.0346
Gm06	13171768	13172710	Gmdrm	hypo	CHH	-0.0167
Gm06	13176814	13177812	Gmdrm	hypo	CHH	-0.0278
Gm06	13181323	13182315	Gmdrm	hypo	CHH	-0.0214
Gm06	13184362	13185343	Gmdrm	hypo	CHH	-0.0556
Gm06	13185377	13186209	Gmdrm	hypo	CHH	-0.0324
Gm06	13186315	13187311	Gmdrm	hypo	CHH	-0.0131
Gm06	13189300	13190290	Gmdrm	hypo	CHH	-0.0241
Gm06	13190319	13191303	Gmdrm	hypo	CHH	-0.1578
Gm06	13198687	13199611	Gmdrm	hypo	CHH	-0.101
Gm06	13200713	13201709	Gmdrm	hypo	CHH	-0.1356
Gm06	13206229	13207216	Gmdrm	hypo	CHH	-0.1448
Gm06	13207231	13208229	Gmdrm	hypo	CHH	-0.4359
Gm06	13224563	13225420	Gmdrm	hypo	CHH	-0.0175
Gm06	13247584	13248036	Gmdrm	hypo	CHH	-0.034
Gm06	13256183	13257162	Gmdrm	hypo	CHH	-0.0253
Gm06	13260746	13261737	Gmdrm	hypo	CHH	-0.0188
Gm06	13273397	13274382	Gmdrm	hypo	CHH	-0.0355
Gm06	13276408	13276559	Gmdrm	hypo	CHH	-0.0737
Gm06	13277896	13278886	Gmdrm	hypo	CHH	-0.039
Gm06	13286938	13287938	Gmdrm	hypo	CHH	-0.309
Gm06	13287964	13288945	Gmdrm	hypo	CHH	-0.0352
Gm06	13293899	13294881	Gmdrm	hypo	CHH	-0.0152
Gm06	13294914	13295913	Gmdrm	hypo	CHH	-0.2597
Gm06	13295916	13296433	Gmdrm	hypo	CHH	-0.0763
Gm06	13305797	13306011	Gmdrm	hypo	CHH	-0.0889

Gm06	13306346	13307343	Gmdrm	hypo	CHH	-0.0269
Gm06	13318539	13319536	Gmdrm	hypo	CHH	-0.0209
Gm06	13323803	13324799	Gmdrm	hypo	CHH	-0.0712
Gm06	13324806	13325805	Gmdrm	hypo	CHH	-0.0733
Gm06	13341576	13342553	Gmdrm	hypo	CHH	-0.0622
Gm06	13347464	13348415	Gmdrm	hypo	CHH	-0.0297
Gm06	13367662	13367770	Gmdrm	hypo	CHH	-0.05
Gm06	13367878	13368842	Gmdrm	hypo	CHH	-0.0213
Gm06	13377545	13378544	Gmdrm	hypo	CHH	-0.074
Gm06	13378546	13379545	Gmdrm	hypo	CHH	-0.0581
Gm06	13379549	13380543	Gmdrm	hypo	CHH	-0.0663
Gm06	13380554	13381553	Gmdrm	hypo	CHH	-0.0771
Gm06	13381571	13382553	Gmdrm	hypo	CHH	-0.0321
Gm06	13386623	13387602	Gmdrm	hypo	CHH	-0.0188
Gm06	13392480	13393387	Gmdrm	hypo	CHH	-0.0316
Gm06	13393512	13394502	Gmdrm	hypo	CHH	-0.0431
Gm06	13398060	13398933	Gmdrm	hypo	CHH	-0.0302
Gm06	13399095	13400077	Gmdrm	hypo	CHH	-0.0997
Gm06	13404842	13404959	Gmdrm	hypo	CHH	-0.0383
Gm06	13405329	13406328	Gmdrm	hypo	CHH	-0.1055
Gm06	13411838	13412835	Gmdrm	hypo	CHH	-0.2213
Gm06	13423859	13424832	Gmdrm	hypo	CHH	-0.2191
Gm06	13424864	13425631	Gmdrm	hypo	CHH	-0.3357
Gm06	13443125	13444069	Gmdrm	hypo	CHH	-0.0385
Gm06	13455382	13455606	Gmdrm	hypo	CHH	-0.2683
Gm06	13458559	13459218	Gmdrm	hypo	CHH	-0.1183
Gm06	13465011	13466011	Gmdrm	hypo	CHH	-0.0479
Gm06	13466012	13466789	Gmdrm	hypo	CHH	-0.0413
Gm06	13471107	13472077	Gmdrm	hypo	CHH	-0.0278
Gm06	13474000	13475000	Gmdrm	hypo	CHH	-0.0319
Gm06	13475003	13476003	Gmdrm	hypo	CHH	-0.031
Gm06	13486355	13487303	Gmdrm	hypo	CHH	-0.0457
Gm06	13494792	13495764	Gmdrm	hypo	CHH	-0.0162
Gm06	13502537	13503537	Gmdrm	hypo	CHH	-0.0532
Gm06	13503555	13504545	Gmdrm	hypo	CHH	-0.0863
Gm06	13504556	13505548	Gmdrm	hypo	CHH	-0.0186
Gm06	13509648	13510636	Gmdrm	hypo	CHH	-0.1066
Gm06	13510667	13510896	Gmdrm	hypo	CHH	-0.0427
Gm06	13511132	13512127	Gmdrm	hypo	CHH	-0.0919
Gm06	13521294	13522292	Gmdrm	hypo	CHH	-0.0511
Gm06	13522296	13522708	Gmdrm	hypo	CHH	-0.0689
Gm06	13545604	13546602	Gmdrm	hypo	CHH	-0.2532
Gm06	13546607	13547592	Gmdrm	hypo	CHH	-0.0747
Gm06	13547617	13548588	Gmdrm	hypo	CHH	-0.0221
Gm06	13548977	13549974	Gmdrm	hypo	CHH	-0.043
Gm06	13549978	13550976	Gmdrm	hypo	CHH	-0.0336

Gm06	13566623	13566798	Gmdrm	hypo	CHH	-0.0386
Gm06	13581195	13582194	Gmdrm	hypo	CHH	-0.0144
Gm06	13591620	13592591	Gmdrm	hypo	CHH	-0.0187
Gm06	13595212	13596076	Gmdrm	hypo	CHH	-0.0214
Gm06	13611998	13612988	Gmdrm	hypo	CHH	-0.1262
Gm06	13624359	13625346	Gmdrm	hypo	CHH	-0.0113
Gm06	13632379	13633349	Gmdrm	hypo	CHH	-0.0222
Gm06	13636342	13637252	Gmdrm	hypo	CHH	-0.1126
Gm06	13641386	13642374	Gmdrm	hypo	CHH	-0.0843
Gm06	13643420	13644047	Gmdrm	hypo	CHH	-0.0403
Gm06	13644158	13645132	Gmdrm	hypo	CHH	-0.0172
Gm06	13655038	13655990	Gmdrm	hypo	CHH	-0.0154
Gm06	13663241	13663509	Gmdrm	hypo	CHH	-0.0654
Gm06	13663644	13664622	Gmdrm	hypo	CHH	-0.0253
Gm06	13664663	13665109	Gmdrm	hypo	CHH	-0.091
Gm06	13665413	13666409	Gmdrm	hypo	CHH	-0.0847
Gm06	13667477	13668171	Gmdrm	hypo	CHH	-0.0725
Gm06	13673625	13674611	Gmdrm	hypo	CHH	-0.1057
Gm06	13675643	13676641	Gmdrm	hypo	CHH	-0.0616
Gm06	13682567	13683075	Gmdrm	hypo	CHH	-0.021
Gm06	13687387	13688383	Gmdrm	hypo	CHH	-0.0173
Gm06	13701535	13702532	Gmdrm	hypo	CHH	-0.0243
Gm06	13708494	13709493	Gmdrm	hypo	CHH	-0.0654
Gm06	13709496	13710466	Gmdrm	hypo	CHH	-0.073
Gm06	13713677	13714676	Gmdrm	hypo	CHH	-0.2189
Gm06	13714683	13715680	Gmdrm	hypo	CHH	-0.0866
Gm06	13715699	13716685	Gmdrm	hypo	CHH	-0.0998
Gm06	13738039	13738193	Gmdrm	hypo	CHH	-0.0433
Gm06	13747051	13748046	Gmdrm	hypo	CHH	-0.0181
Gm06	13750466	13751460	Gmdrm	hypo	CHH	-0.0868
Gm06	13751467	13752466	Gmdrm	hypo	CHH	-0.071
Gm06	13763671	13764667	Gmdrm	hypo	CHH	-0.0484
Gm06	13764761	13765735	Gmdrm	hypo	CHH	-0.0226
Gm06	13765765	13766762	Gmdrm	hypo	CHH	-0.1028
Gm06	13766766	13767761	Gmdrm	hypo	CHH	-0.0958
Gm06	13772083	13773056	Gmdrm	hypo	CHH	-0.1337
Gm06	13774108	13775032	Gmdrm	hypo	CHH	-0.0283
Gm06	13777186	13778172	Gmdrm	hypo	CHH	-0.0434
Gm06	13778191	13779178	Gmdrm	hypo	CHH	-0.0418
Gm06	13780215	13781215	Gmdrm	hypo	CHH	-0.2753
Gm06	13787528	13788483	Gmdrm	hypo	CHH	-0.1447
Gm06	13795542	13796535	Gmdrm	hypo	CHH	-0.05
Gm06	13799570	13800561	Gmdrm	hypo	CHH	-0.0277
Gm06	13802425	13803412	Gmdrm	hypo	CHH	-0.0219
Gm06	13811252	13812222	Gmdrm	hypo	CHH	-0.2929
Gm06	13821090	13822089	Gmdrm	hypo	CHH	-0.0113

Gm06	13822099	13823094	Gmdrm	hypo	CHH	-0.0213
Gm06	13823115	13824115	Gmdrm	hypo	CHH	-0.0444
Gm06	13824121	13825106	Gmdrm	hypo	CHH	-0.0501
Gm06	13825122	13826108	Gmdrm	hypo	CHH	-0.0769
Gm06	13826130	13826924	Gmdrm	hypo	CHH	-0.067
Gm06	13830327	13831210	Gmdrm	hypo	CHH	-0.0331
Gm06	13833397	13834396	Gmdrm	hypo	CHH	-0.0257
Gm06	13834403	13834540	Gmdrm	hypo	CHH	-0.07
Gm06	13842931	13843931	Gmdrm	hypo	CHH	-0.0191
Gm06	13849422	13850416	Gmdrm	hypo	CHH	-0.0602
Gm06	13853888	13854511	Gmdrm	hypo	CHH	-0.1389
Gm06	13854769	13855715	Gmdrm	hypo	CHH	-0.0962
Gm06	13872903	13873164	Gmdrm	hypo	CHH	-0.03
Gm06	13880437	13880619	Gmdrm	hypo	CHH	-0.0364
Gm06	13893359	13894355	Gmdrm	hypo	CHH	-0.0117
Gm06	13895089	13895442	Gmdrm	hypo	CHH	-0.0216
Gm06	13910889	13911884	Gmdrm	hypo	CHH	-0.0228
Gm06	13915702	13916678	Gmdrm	hypo	CHH	-0.019
Gm06	13924084	13925078	Gmdrm	hypo	CHH	-0.087
Gm06	13926093	13926724	Gmdrm	hypo	CHH	-0.061
Gm06	13927380	13928355	Gmdrm	hypo	CHH	-0.0267
Gm06	13950292	13951288	Gmdrm	hypo	CHH	-0.0209
Gm06	13951316	13952312	Gmdrm	hypo	CHH	-0.0652
Gm06	13952317	13953314	Gmdrm	hypo	CHH	-0.0151
Gm06	13962840	13963834	Gmdrm	hypo	CHH	-0.0704
Gm06	13963852	13964816	Gmdrm	hypo	CHH	-0.0351
Gm06	13964857	13965841	Gmdrm	hypo	CHH	-0.0185
Gm06	13966612	13967593	Gmdrm	hypo	CHH	-0.025
Gm06	13970064	13970999	Gmdrm	hypo	CHH	-0.0169
Gm06	13984765	13985756	Gmdrm	hypo	CHH	-0.0186
Gm06	13991335	13992335	Gmdrm	hypo	CHH	-0.0297
Gm06	13992337	13993331	Gmdrm	hypo	CHH	-0.0432
Gm06	14001943	14002943	Gmdrm	hypo	CHH	-0.0648
Gm06	14002951	14003936	Gmdrm	hypo	CHH	-0.0672
Gm06	14004958	14005907	Gmdrm	hypo	CHH	-0.0242
Gm06	14013196	14014183	Gmdrm	hypo	CHH	-0.0522
Gm06	14014201	14015186	Gmdrm	hypo	CHH	-0.0413
Gm06	14022827	14023806	Gmdrm	hypo	CHH	-0.0114
Gm06	14026605	14027491	Gmdrm	hypo	CHH	-0.0264
Gm06	14027713	14027957	Gmdrm	hypo	CHH	-0.0925
Gm06	14044120	14044529	Gmdrm	hypo	CHH	-0.0324
Gm06	14049284	14050279	Gmdrm	hypo	CHH	-0.0224
Gm06	14052327	14052865	Gmdrm	hypo	CHH	-0.2417
Gm06	14052996	14053650	Gmdrm	hypo	CHH	-0.0163
Gm06	14065923	14066303	Gmdrm	hypo	CHH	-0.0375
Gm06	14070105	14071105	Gmdrm	hypo	CHH	-0.0149

Gm06	14072687	14073671	Gmdrm	hypo	CHH	-0.0376
Gm06	14095032	14095539	Gmdrm	hypo	CHH	-0.3693
Gm06	14095842	14096831	Gmdrm	hypo	CHH	-0.1601
Gm06	14100304	14101264	Gmdrm	hypo	CHH	-0.0155
Gm06	14103120	14103760	Gmdrm	hypo	CHH	-0.0417
Gm06	14112685	14113664	Gmdrm	hypo	CHH	-0.0198
Gm06	14120284	14121274	Gmdrm	hypo	CHH	-0.0708
Gm06	14132423	14132747	Gmdrm	hypo	CHH	-0.0377
Gm06	14147482	14148121	Gmdrm	hypo	CHH	-0.0184
Gm06	14155511	14156508	Gmdrm	hypo	CHH	-0.0278
Gm06	14166872	14167135	Gmdrm	hypo	CHH	-0.1741
Gm06	14169943	14170908	Gmdrm	hypo	CHH	-0.0537
Gm06	14170948	14171945	Gmdrm	hypo	CHH	-0.1084
Gm06	14171949	14172941	Gmdrm	hypo	CHH	-0.0415
Gm06	14172964	14173960	Gmdrm	hypo	CHH	-0.0108
Gm06	14173965	14174963	Gmdrm	hypo	CHH	-0.02
Gm06	14174973	14175968	Gmdrm	hypo	CHH	-0.0215
Gm06	14176004	14176987	Gmdrm	hypo	CHH	-0.0147
Gm06	14177046	14177756	Gmdrm	hypo	CHH	-0.0471
Gm06	14192593	14193543	Gmdrm	hypo	CHH	-0.1971
Gm06	14213485	14213560	Gmdrm	hypo	CHH	-0.24
Gm06	14219969	14220950	Gmdrm	hypo	CHH	-0.1568
Gm06	14220989	14221986	Gmdrm	hypo	CHH	-0.0239
Gm06	14221992	14222988	Gmdrm	hypo	CHH	-0.022
Gm06	14224783	14225776	Gmdrm	hypo	CHH	-0.0451
Gm06	14227825	14228804	Gmdrm	hypo	CHH	-0.0345
Gm06	14229993	14230993	Gmdrm	hypo	CHH	-0.1867
Gm06	14230997	14231972	Gmdrm	hypo	CHH	-0.1128
Gm06	14238518	14238706	Gmdrm	hypo	CHH	-0.11
Gm06	14239226	14239672	Gmdrm	hypo	CHH	-0.0273
Gm06	14261773	14262268	Gmdrm	hypo	CHH	-0.0255
Gm06	14283045	14283568	Gmdrm	hypo	CHH	-0.0231
Gm06	14286771	14287771	Gmdrm	hypo	CHH	-0.0139
Gm06	14291988	14292983	Gmdrm	hypo	CHH	-0.0894
Gm06	14292992	14293979	Gmdrm	hypo	CHH	-0.06
Gm06	14294049	14294980	Gmdrm	hypo	CHH	-0.0526
Gm06	14295052	14296048	Gmdrm	hypo	CHH	-0.0301
Gm06	14296055	14297047	Gmdrm	hypo	CHH	-0.0199
Gm06	14297063	14298050	Gmdrm	hypo	CHH	-0.0376
Gm06	14300522	14301511	Gmdrm	hypo	CHH	-0.048
Gm06	14307308	14308300	Gmdrm	hypo	CHH	-0.0215
Gm06	14314425	14315422	Gmdrm	hypo	CHH	-0.1493
Gm06	14315434	14316421	Gmdrm	hypo	CHH	-0.1593
Gm06	14324840	14325836	Gmdrm	hypo	CHH	-0.0124
Gm06	14332416	14332945	Gmdrm	hypo	CHH	-0.0457
Gm06	14340711	14341681	Gmdrm	hypo	CHH	-0.0189

Gm06	14342790	14343776 Gmdrm	hypo	CHH	-0.092
Gm06	14343795	14344781 Gmdrm	hypo	CHH	-0.0897
Gm06	14344797	14345794 Gmdrm	hypo	CHH	-0.0533
Gm06	14350845	14351833 Gmdrm	hypo	CHH	-0.0372
Gm06	14352142	14353142 Gmdrm	hypo	CHH	-0.0235
Gm06	14353795	14354703 Gmdrm	hypo	CHH	-0.0594
Gm06	14371600	14372586 Gmdrm	hypo	CHH	-0.0527
Gm06	14372607	14373602 Gmdrm	hypo	CHH	-0.055
Gm06	14381628	14382619 Gmdrm	hypo	CHH	-0.0851
Gm06	14393608	14394602 Gmdrm	hypo	CHH	-0.0155
Gm06	14398468	14399467 Gmdrm	hypo	CHH	-0.1402
Gm06	14399470	14400450 Gmdrm	hypo	CHH	-0.0872
Gm06	14406395	14407354 Gmdrm	hypo	CHH	-0.0118
Gm06	14418693	14419693 Gmdrm	hypo	CHH	-0.249
Gm06	14430881	14431872 Gmdrm	hypo	CHH	-0.02
Gm06	14435009	14436008 Gmdrm	hypo	CHH	-0.0491
Gm06	14448649	14449636 Gmdrm	hypo	CHH	-0.0114
Gm06	14450703	14451700 Gmdrm	hypo	CHH	-0.0692
Gm06	14456720	14457717 Gmdrm	hypo	CHH	-0.0488
Gm06	14463634	14464615 Gmdrm	hypo	CHH	-0.0196
Gm06	14473519	14474508 Gmdrm	hypo	CHH	-0.023
Gm06	14476377	14477375 Gmdrm	hypo	CHH	-0.0914
Gm06	14477379	14478377 Gmdrm	hypo	CHH	-0.056
Gm06	14483411	14484388 Gmdrm	hypo	CHH	-0.0185
Gm06	14486098	14486197 Gmdrm	hypo	CHH	-0.0771
Gm06	14489888	14490884 Gmdrm	hypo	CHH	-0.2277
Gm06	14490889	14491284 Gmdrm	hypo	CHH	-0.3329
Gm06	14491385	14491616 Gmdrm	hypo	CHH	-0.0543
Gm06	14492902	14493897 Gmdrm	hypo	CHH	-0.0191
Gm06	14503824	14504151 Gmdrm	hypo	CHH	-0.0593
Gm06	14515714	14516517 Gmdrm	hypo	CHH	-0.0316
Gm06	14516934	14517920 Gmdrm	hypo	CHH	-0.0372
Gm06	14523109	14524105 Gmdrm	hypo	CHH	-0.0395
Gm06	14525125	14526113 Gmdrm	hypo	CHH	-0.0376
Gm06	14535427	14536424 Gmdrm	hypo	CHH	-0.0354
Gm06	14536429	14537365 Gmdrm	hypo	CHH	-0.0533
Gm06	14538881	14539875 Gmdrm	hypo	CHH	-0.0492
Gm06	14539888	14540880 Gmdrm	hypo	CHH	-0.0801
Gm06	14549700	14550303 Gmdrm	hypo	CHH	-0.0543
Gm06	14556265	14557208 Gmdrm	hypo	CHH	-0.0244
Gm06	14578872	14579867 Gmdrm	hypo	CHH	-0.0924
Gm06	14579875	14580873 Gmdrm	hypo	CHH	-0.1398
Gm06	14580887	14581871 Gmdrm	hypo	CHH	-0.0899
Gm06	14591965	14592962 Gmdrm	hypo	CHH	-0.0177
Gm06	14599373	14600008 Gmdrm	hypo	CHH	-0.025
Gm06	14600313	14601310 Gmdrm	hypo	CHH	-0.0341

Gm06	14603317	14604306	Gmdrm	hypo	CHH	-0.0229
Gm06	14612709	14613703	Gmdrm	hypo	CHH	-0.0567
Gm06	14613711	14614700	Gmdrm	hypo	CHH	-0.0368
Gm06	14618025	14619019	Gmdrm	hypo	CHH	-0.0131
Gm06	14621135	14622134	Gmdrm	hypo	CHH	-0.0717
Gm06	14627112	14628104	Gmdrm	hypo	CHH	-0.021
Gm06	14636141	14637128	Gmdrm	hypo	CHH	-0.018
Gm06	14640192	14641192	Gmdrm	hypo	CHH	-0.0304
Gm06	14641194	14641590	Gmdrm	hypo	CHH	-0.0406
Gm06	14642731	14643728	Gmdrm	hypo	CHH	-0.0297
Gm06	14650176	14651136	Gmdrm	hypo	CHH	-0.0251
Gm06	14658268	14659260	Gmdrm	hypo	CHH	-0.1295
Gm06	14659270	14660263	Gmdrm	hypo	CHH	-0.157
Gm06	14664499	14665494	Gmdrm	hypo	CHH	-0.0187
Gm06	14668570	14669559	Gmdrm	hypo	CHH	-0.0249
Gm06	14679168	14679536	Gmdrm	hypo	CHH	-0.03
Gm06	14686014	14686999	Gmdrm	hypo	CHH	-0.0398
Gm06	14689308	14690308	Gmdrm	hypo	CHH	-0.0323
Gm06	14691314	14692314	Gmdrm	hypo	CHH	-0.0967
Gm06	14692316	14693283	Gmdrm	hypo	CHH	-0.0978
Gm06	14704826	14705822	Gmdrm	hypo	CHH	-0.0872
Gm06	14705833	14706814	Gmdrm	hypo	CHH	-0.1721
Gm06	14728699	14729152	Gmdrm	hypo	CHH	-0.0258
Gm06	14734783	14735780	Gmdrm	hypo	CHH	-0.0932
Gm06	14738834	14739834	Gmdrm	hypo	CHH	-0.018
Gm06	14752739	14753716	Gmdrm	hypo	CHH	-0.1268
Gm06	14754789	14755768	Gmdrm	hypo	CHH	-0.0155
Gm06	14759982	14760980	Gmdrm	hypo	CHH	-0.0241
Gm06	14761006	14761994	Gmdrm	hypo	CHH	-0.0494
Gm06	14763728	14764725	Gmdrm	hypo	CHH	-0.0234
Gm06	14768744	14769743	Gmdrm	hypo	CHH	-0.024
Gm06	14769753	14770090	Gmdrm	hypo	CHH	-0.1621
Gm06	14776143	14776716	Gmdrm	hypo	CHH	-0.4471
Gm06	14780266	14781264	Gmdrm	hypo	CHH	-0.0376
Gm06	14781267	14782264	Gmdrm	hypo	CHH	-0.1512
Gm06	14782273	14783271	Gmdrm	hypo	CHH	-0.0185
Gm06	14788717	14789711	Gmdrm	hypo	CHH	-0.1343
Gm06	14790529	14791524	Gmdrm	hypo	CHH	-0.079
Gm06	14792531	14793222	Gmdrm	hypo	CHH	-0.0896
Gm06	14800082	14801076	Gmdrm	hypo	CHH	-0.0243
Gm06	14807715	14808697	Gmdrm	hypo	CHH	-0.0488
Gm06	14808742	14809731	Gmdrm	hypo	CHH	-0.0128
Gm06	14819135	14820065	Gmdrm	hypo	CHH	-0.1498
Gm06	14820143	14821137	Gmdrm	hypo	CHH	-0.0808
Gm06	14821176	14822175	Gmdrm	hypo	CHH	-0.026
Gm06	14822200	14823197	Gmdrm	hypo	CHH	-0.07

Gm06	14823202	14824198	Gmdrm	hypo	CHH	-0.1363
Gm06	14827085	14828025	Gmdrm	hypo	CHH	-0.0158
Gm06	14829165	14830165	Gmdrm	hypo	CHH	-0.0947
Gm06	14831206	14832206	Gmdrm	hypo	CHH	-0.0545
Gm06	14832209	14833146	Gmdrm	hypo	CHH	-0.077
Gm06	14841852	14842844	Gmdrm	hypo	CHH	-0.0689
Gm06	14842859	14843858	Gmdrm	hypo	CHH	-0.0755
Gm06	14843876	14844493	Gmdrm	hypo	CHH	-0.0241
Gm06	14847935	14848933	Gmdrm	hypo	CHH	-0.1621
Gm06	14848945	14849939	Gmdrm	hypo	CHH	-0.0683
Gm06	14850197	14851196	Gmdrm	hypo	CHH	-0.0304
Gm06	14851202	14852160	Gmdrm	hypo	CHH	-0.0645
Gm06	14852403	14853359	Gmdrm	hypo	CHH	-0.06
Gm06	14872279	14873260	Gmdrm	hypo	CHH	-0.021
Gm06	14876830	14877817	Gmdrm	hypo	CHH	-0.015
Gm06	14880869	14881015	Gmdrm	hypo	CHH	-0.021
Gm06	14883772	14884754	Gmdrm	hypo	CHH	-0.0193
Gm06	14891846	14892793	Gmdrm	hypo	CHH	-0.0203
Gm06	14894943	14895933	Gmdrm	hypo	CHH	-0.0132
Gm06	14895947	14896945	Gmdrm	hypo	CHH	-0.0311
Gm06	14897978	14898944	Gmdrm	hypo	CHH	-0.0275
Gm06	14901077	14902065	Gmdrm	hypo	CHH	-0.0335
Gm06	14903117	14904106	Gmdrm	hypo	CHH	-0.0867
Gm06	14907152	14908141	Gmdrm	hypo	CHH	-0.0408
Gm06	14909176	14910176	Gmdrm	hypo	CHH	-0.0676
Gm06	14910179	14911174	Gmdrm	hypo	CHH	-0.0717
Gm06	14911182	14912181	Gmdrm	hypo	CHH	-0.0239
Gm06	14922265	14923262	Gmdrm	hypo	CHH	-0.0395
Gm06	14956193	14957193	Gmdrm	hypo	CHH	-0.0256
Gm06	14957198	14958196	Gmdrm	hypo	CHH	-0.0244
Gm06	14959575	14960562	Gmdrm	hypo	CHH	-0.0794
Gm06	14973935	14974933	Gmdrm	hypo	CHH	-0.0317
Gm06	14974948	14975670	Gmdrm	hypo	CHH	-0.0209
Gm06	14980897	14981689	Gmdrm	hypo	CHH	-0.1114
Gm06	14990248	14991233	Gmdrm	hypo	CHH	-0.0119
Gm06	15005373	15006369	Gmdrm	hypo	CHH	-0.0166
Gm06	15008170	15009163	Gmdrm	hypo	CHH	-0.1793
Gm06	15009176	15010176	Gmdrm	hypo	CHH	-0.131
Gm06	15010182	15011160	Gmdrm	hypo	CHH	-0.0388
Gm06	15018185	15019185	Gmdrm	hypo	CHH	-0.0313
Gm06	15019186	15019712	Gmdrm	hypo	CHH	-0.2489
Gm06	15023856	15024851	Gmdrm	hypo	CHH	-0.0482
Gm06	15041783	15042764	Gmdrm	hypo	CHH	-0.0377
Gm06	15043414	15044370	Gmdrm	hypo	CHH	-0.0304
Gm06	15044435	15045423	Gmdrm	hypo	CHH	-0.0226
Gm06	15045437	15046416	Gmdrm	hypo	CHH	-0.0788

Gm06	15055262	15056241	Gmdrm	hypo	CHH	-0.0575
Gm06	15064208	15065179	Gmdrm	hypo	CHH	-0.0725
Gm06	15065211	15066211	Gmdrm	hypo	CHH	-0.118
Gm06	15092780	15093718	Gmdrm	hypo	CHH	-0.0133
Gm06	15094162	15095158	Gmdrm	hypo	CHH	-0.0453
Gm06	15095166	15096155	Gmdrm	hypo	CHH	-0.0508
Gm06	15096168	15097161	Gmdrm	hypo	CHH	-0.0421
Gm06	15114358	15115355	Gmdrm	hypo	CHH	-0.0427
Gm06	15115360	15116106	Gmdrm	hypo	CHH	-0.0426
Gm06	15119567	15120542	Gmdrm	hypo	CHH	-0.0409
Gm06	15124506	15125456	Gmdrm	hypo	CHH	-0.0141
Gm06	15125533	15126525	Gmdrm	hypo	CHH	-0.0129
Gm06	15144205	15145193	Gmdrm	hypo	CHH	-0.019
Gm06	15145226	15146116	Gmdrm	hypo	CHH	-0.1503
Gm06	15147358	15148358	Gmdrm	hypo	CHH	-0.047
Gm06	15166021	15167017	Gmdrm	hypo	CHH	-0.0241
Gm06	15177927	15178834	Gmdrm	hypo	CHH	-0.0484
Gm06	15180604	15181600	Gmdrm	hypo	CHH	-0.1894
Gm06	15181614	15182609	Gmdrm	hypo	CHH	-0.1192
Gm06	15182618	15183596	Gmdrm	hypo	CHH	-0.0194
Gm06	15183656	15184468	Gmdrm	hypo	CHH	-0.2692
Gm06	15193068	15194068	Gmdrm	hypo	CHH	-0.0803
Gm06	15195072	15196072	Gmdrm	hypo	CHH	-0.0417
Gm06	15200222	15200822	Gmdrm	hypo	CHH	-0.1769
Gm06	15200970	15201951	Gmdrm	hypo	CHH	-0.2202
Gm06	15205047	15206013	Gmdrm	hypo	CHH	-0.0272
Gm06	15215602	15216595	Gmdrm	hypo	CHH	-0.0236
Gm06	15216603	15217601	Gmdrm	hypo	CHH	-0.0847
Gm06	15221784	15222728	Gmdrm	hypo	CHH	-0.0138
Gm06	15229907	15230903	Gmdrm	hypo	CHH	-0.0469
Gm06	15230910	15231901	Gmdrm	hypo	CHH	-0.1329
Gm06	15231924	15232375	Gmdrm	hypo	CHH	-0.0947
Gm06	15232661	15233652	Gmdrm	hypo	CHH	-0.1209
Gm06	15233663	15234618	Gmdrm	hypo	CHH	-0.0351
Gm06	15243565	15244547	Gmdrm	hypo	CHH	-0.0179
Gm06	15250270	15250509	Gmdrm	hypo	CHH	-0.1688
Gm06	15264894	15265880	Gmdrm	hypo	CHH	-0.1206
Gm06	15265919	15266866	Gmdrm	hypo	CHH	-0.0863
Gm06	15268293	15269292	Gmdrm	hypo	CHH	-0.1049
Gm06	15270305	15271261	Gmdrm	hypo	CHH	-0.2699
Gm06	15274545	15275500	Gmdrm	hypo	CHH	-0.0482
Gm06	15277239	15278236	Gmdrm	hypo	CHH	-0.1577
Gm06	15279276	15280276	Gmdrm	hypo	CHH	-0.0558
Gm06	15280282	15281281	Gmdrm	hypo	CHH	-0.0189
Gm06	15281283	15282241	Gmdrm	hypo	CHH	-0.0807
Gm06	15319151	15319403	Gmdrm	hypo	CHH	-0.048

Gm06	15365731	15366727	Gmdrm	hypo	CHH	-0.0855
Gm06	15366739	15367738	Gmdrm	hypo	CHH	-0.1
Gm06	15375101	15376088	Gmdrm	hypo	CHH	-0.0469
Gm06	15412551	15413547	Gmdrm	hypo	CHH	-0.0104
Gm06	15416109	15416381	Gmdrm	hypo	CHH	-0.0933
Gm06	15429710	15430709	Gmdrm	hypo	CHH	-0.0177
Gm06	15442323	15442460	Gmdrm	hypo	CHH	-0.055
Gm06	15456557	15457296	Gmdrm	hypo	CHH	-0.1158
Gm06	15463078	15464056	Gmdrm	hypo	CHH	-0.1075
Gm06	15478978	15479978	Gmdrm	hypo	CHH	-0.0373
Gm06	15486739	15487731	Gmdrm	hypo	CHH	-0.0551
Gm06	15497389	15498384	Gmdrm	hypo	CHH	-0.1715
Gm06	15504016	15505001	Gmdrm	hypo	CHH	-0.0163
Gm06	15510112	15511109	Gmdrm	hypo	CHH	-0.143
Gm06	15511124	15511620	Gmdrm	hypo	CHH	-0.1518
Gm06	15513500	15514461	Gmdrm	hypo	CHH	-0.0484
Gm06	15514521	15515507	Gmdrm	hypo	CHH	-0.0644
Gm06	15520552	15521548	Gmdrm	hypo	CHH	-0.0325
Gm06	15523476	15524470	Gmdrm	hypo	CHH	-0.0168
Gm06	15525490	15526479	Gmdrm	hypo	CHH	-0.1707
Gm06	15526492	15527483	Gmdrm	hypo	CHH	-0.1057
Gm06	15529712	15530711	Gmdrm	hypo	CHH	-0.0369
Gm06	15530714	15531433	Gmdrm	hypo	CHH	-0.0892
Gm06	15531866	15532788	Gmdrm	hypo	CHH	-0.0767
Gm06	15533309	15534308	Gmdrm	hypo	CHH	-0.02
Gm06	15537391	15538223	Gmdrm	hypo	CHH	-0.0201
Gm06	15538890	15539888	Gmdrm	hypo	CHH	-0.0164
Gm06	15540951	15541044	Gmdrm	hypo	CHH	-0.136
Gm06	15547465	15548465	Gmdrm	hypo	CHH	-0.0645
Gm06	15548469	15549442	Gmdrm	hypo	CHH	-0.1001
Gm06	15554106	15554634	Gmdrm	hypo	CHH	-0.0231
Gm06	15560809	15561745	Gmdrm	hypo	CHH	-0.0635
Gm06	15562603	15563571	Gmdrm	hypo	CHH	-0.0196
Gm06	15565597	15566566	Gmdrm	hypo	CHH	-0.2397
Gm06	15580944	15581941	Gmdrm	hypo	CHH	-0.1893
Gm06	15584660	15585655	Gmdrm	hypo	CHH	-0.0197
Gm06	15588200	15589198	Gmdrm	hypo	CHH	-0.2856
Gm06	15589209	15590152	Gmdrm	hypo	CHH	-0.0949
Gm06	15590217	15591199	Gmdrm	hypo	CHH	-0.0795
Gm06	15591221	15592204	Gmdrm	hypo	CHH	-0.4191
Gm06	15595399	15596392	Gmdrm	hypo	CHH	-0.2079
Gm06	15596401	15597395	Gmdrm	hypo	CHH	-0.0864
Gm06	15606375	15607345	Gmdrm	hypo	CHH	-0.0165
Gm06	15607390	15608379	Gmdrm	hypo	CHH	-0.0269
Gm06	15610481	15611478	Gmdrm	hypo	CHH	-0.0197
Gm06	15611482	15612478	Gmdrm	hypo	CHH	-0.0454

Gm06	15612496	15613491	Gmdrm	hypo	CHH	-0.0714
Gm06	15637041	15638010	Gmdrm	hypo	CHH	-0.0643
Gm06	15643489	15644479	Gmdrm	hypo	CHH	-0.0595
Gm06	15644494	15645493	Gmdrm	hypo	CHH	-0.0297
Gm06	15652138	15653136	Gmdrm	hypo	CHH	-0.025
Gm06	15660784	15661782	Gmdrm	hypo	CHH	-0.1153
Gm06	15661803	15662798	Gmdrm	hypo	CHH	-0.0973
Gm06	15663816	15664815	Gmdrm	hypo	CHH	-0.1349
Gm06	15664826	15665823	Gmdrm	hypo	CHH	-0.0609
Gm06	15665860	15666858	Gmdrm	hypo	CHH	-0.0084
Gm06	15670480	15671479	Gmdrm	hypo	CHH	-0.1174
Gm06	15671493	15672471	Gmdrm	hypo	CHH	-0.1888
Gm06	15674663	15675627	Gmdrm	hypo	CHH	-0.0172
Gm06	15680712	15681669	Gmdrm	hypo	CHH	-0.0168
Gm06	15685512	15686502	Gmdrm	hypo	CHH	-0.0688
Gm06	15704746	15705732	Gmdrm	hypo	CHH	-0.0603
Gm06	15705750	15706736	Gmdrm	hypo	CHH	-0.035
Gm06	15719064	15720060	Gmdrm	hypo	CHH	-0.1071
Gm06	15720073	15721070	Gmdrm	hypo	CHH	-0.0951
Gm06	15722139	15723125	Gmdrm	hypo	CHH	-0.0784
Gm06	15723145	15724112	Gmdrm	hypo	CHH	-0.0261
Gm06	15735717	15736709	Gmdrm	hypo	CHH	-0.2062
Gm06	15770062	15770706	Gmdrm	hypo	CHH	-0.015
Gm06	15773141	15774119	Gmdrm	hypo	CHH	-0.034
Gm06	15774147	15774760	Gmdrm	hypo	CHH	-0.0369
Gm06	15775050	15776042	Gmdrm	hypo	CHH	-0.0359
Gm06	15777090	15778088	Gmdrm	hypo	CHH	-0.0158
Gm06	15779124	15780124	Gmdrm	hypo	CHH	-0.1142
Gm06	15780127	15781120	Gmdrm	hypo	CHH	-0.0311
Gm06	15783099	15784044	Gmdrm	hypo	CHH	-0.0231
Gm06	15794132	15794569	Gmdrm	hypo	CHH	-0.0692
Gm06	15797959	15798959	Gmdrm	hypo	CHH	-0.0709
Gm06	15799961	15800934	Gmdrm	hypo	CHH	-0.0534
Gm06	15801041	15801983	Gmdrm	hypo	CHH	-0.0558
Gm06	15802233	15802598	Gmdrm	hypo	CHH	-0.0541
Gm06	15802936	15803890	Gmdrm	hypo	CHH	-0.0546
Gm06	15804007	15805003	Gmdrm	hypo	CHH	-0.0463
Gm06	15832730	15833730	Gmdrm	hypo	CHH	-0.1873
Gm06	15833740	15834731	Gmdrm	hypo	CHH	-0.0553
Gm06	15839307	15840300	Gmdrm	hypo	CHH	-0.0367
Gm06	15859860	15860468	Gmdrm	hypo	CHH	-0.0459
Gm06	15862633	15863633	Gmdrm	hypo	CHH	-0.0403
Gm06	15871736	15872708	Gmdrm	hypo	CHH	-0.0802
Gm06	15873744	15874431	Gmdrm	hypo	CHH	-0.0254
Gm06	15881484	15882438	Gmdrm	hypo	CHH	-0.0639
Gm06	15884527	15885489	Gmdrm	hypo	CHH	-0.0782

Gm06	15890608	15891089	Gmdrm	hypo	CHH	-0.0611
Gm06	15899850	15900847	Gmdrm	hypo	CHH	-0.2369
Gm06	15900855	15901236	Gmdrm	hypo	CHH	-0.05
Gm06	15901400	15902386	Gmdrm	hypo	CHH	-0.0241
Gm06	15902404	15903397	Gmdrm	hypo	CHH	-0.0636
Gm06	15905108	15906101	Gmdrm	hypo	CHH	-0.0441
Gm06	15906109	15906395	Gmdrm	hypo	CHH	-0.0917
Gm06	15909076	15910076	Gmdrm	hypo	CHH	-0.0531
Gm06	15910080	15911079	Gmdrm	hypo	CHH	-0.0297
Gm06	15911120	15912113	Gmdrm	hypo	CHH	-0.0364
Gm06	15918197	15919189	Gmdrm	hypo	CHH	-0.0245
Gm06	15921259	15922254	Gmdrm	hypo	CHH	-0.0223
Gm06	15925150	15926145	Gmdrm	hypo	CHH	-0.0156
Gm06	15952040	15953035	Gmdrm	hypo	CHH	-0.1169
Gm06	15953869	15954865	Gmdrm	hypo	CHH	-0.0721
Gm06	15955883	15956883	Gmdrm	hypo	CHH	-0.0194
Gm06	15956918	15957915	Gmdrm	hypo	CHH	-0.0148
Gm06	15957926	15958901	Gmdrm	hypo	CHH	-0.0158
Gm06	15958973	15959969	Gmdrm	hypo	CHH	-0.0249
Gm06	15972182	15972258	Gmdrm	hypo	CHH	-0.04
Gm06	15980383	15981341	Gmdrm	hypo	CHH	-0.0177
Gm06	15983481	15983566	Gmdrm	hypo	CHH	-0.0671
Gm06	15986058	15987051	Gmdrm	hypo	CHH	-0.0139
Gm06	15988070	15989068	Gmdrm	hypo	CHH	-0.1288
Gm06	15989071	15990032	Gmdrm	hypo	CHH	-0.0679
Gm06	16004791	16005785	Gmdrm	hypo	CHH	-0.0269
Gm06	16007613	16008603	Gmdrm	hypo	CHH	-0.0218
Gm06	16008616	16009613	Gmdrm	hypo	CHH	-0.0403
Gm06	16013660	16014624	Gmdrm	hypo	CHH	-0.0261
Gm06	16029567	16030562	Gmdrm	hypo	CHH	-0.1762
Gm06	16037192	16038192	Gmdrm	hypo	CHH	-0.0801
Gm06	16040225	16040602	Gmdrm	hypo	CHH	-0.023
Gm06	16045794	16046343	Gmdrm	hypo	CHH	-0.0186
Gm06	16048593	16049442	Gmdrm	hypo	CHH	-0.0133
Gm06	16053680	16054677	Gmdrm	hypo	CHH	-0.0206
Gm06	16055841	16056839	Gmdrm	hypo	CHH	-0.017
Gm06	16057868	16058865	Gmdrm	hypo	CHH	-0.0602
Gm06	16058870	16059614	Gmdrm	hypo	CHH	-0.0565
Gm06	16061753	16062600	Gmdrm	hypo	CHH	-0.3391
Gm06	16065694	16066569	Gmdrm	hypo	CHH	-0.0195
Gm06	16079789	16080774	Gmdrm	hypo	CHH	-0.0766
Gm06	16080826	16081813	Gmdrm	hypo	CHH	-0.0488
Gm06	16081828	16082828	Gmdrm	hypo	CHH	-0.034
Gm06	16091816	16092801	Gmdrm	hypo	CHH	-0.0174
Gm06	16092843	16093836	Gmdrm	hypo	CHH	-0.2286
Gm06	16096871	16097853	Gmdrm	hypo	CHH	-0.0206

Gm06	16097906	16098819	Gmdrm	hypo	CHH	-0.0131
Gm06	16100529	16101362	Gmdrm	hypo	CHH	-0.0272
Gm06	16128601	16129467	Gmdrm	hypo	CHH	-0.0505
Gm06	16129945	16130945	Gmdrm	hypo	CHH	-0.0529
Gm06	16130970	16131947	Gmdrm	hypo	CHH	-0.1831
Gm06	16141443	16142440	Gmdrm	hypo	CHH	-0.0772
Gm06	16142446	16143429	Gmdrm	hypo	CHH	-0.0696
Gm06	16149659	16150648	Gmdrm	hypo	CHH	-0.0646
Gm06	16150662	16151653	Gmdrm	hypo	CHH	-0.1109
Gm06	16151665	16152438	Gmdrm	hypo	CHH	-0.0965
Gm06	16152556	16153552	Gmdrm	hypo	CHH	-0.0643
Gm06	16154568	16154694	Gmdrm	hypo	CHH	-0.0346
Gm06	16160811	16161811	Gmdrm	hypo	CHH	-0.1482
Gm06	16161812	16162812	Gmdrm	hypo	CHH	-0.1323
Gm06	16165310	16166292	Gmdrm	hypo	CHH	-0.0394
Gm06	16170516	16171511	Gmdrm	hypo	CHH	-0.0333
Gm06	16171519	16172519	Gmdrm	hypo	CHH	-0.0572
Gm06	16172556	16173549	Gmdrm	hypo	CHH	-0.0429
Gm06	16175688	16176259	Gmdrm	hypo	CHH	-0.0235
Gm06	16181401	16181542	Gmdrm	hypo	CHH	-0.06
Gm06	16208032	16208938	Gmdrm	hypo	CHH	-0.0178
Gm06	16210458	16211447	Gmdrm	hypo	CHH	-0.0781
Gm06	16212464	16213390	Gmdrm	hypo	CHH	-0.2537
Gm06	16214483	16215481	Gmdrm	hypo	CHH	-0.0342
Gm06	16220991	16221985	Gmdrm	hypo	CHH	-0.0187
Gm06	16223000	16223985	Gmdrm	hypo	CHH	-0.0109
Gm06	16233152	16234144	Gmdrm	hypo	CHH	-0.0202
Gm06	16235602	16236587	Gmdrm	hypo	CHH	-0.0348
Gm06	16236608	16237595	Gmdrm	hypo	CHH	-0.0979
Gm06	16239910	16240888	Gmdrm	hypo	CHH	-0.0214
Gm06	16246034	16247004	Gmdrm	hypo	CHH	-0.0122
Gm06	16249068	16250067	Gmdrm	hypo	CHH	-0.0455
Gm06	16260625	16261622	Gmdrm	hypo	CHH	-0.1006
Gm06	16266570	16267570	Gmdrm	hypo	CHH	-0.0963
Gm06	16267571	16268556	Gmdrm	hypo	CHH	-0.0909
Gm06	16268572	16268916	Gmdrm	hypo	CHH	-0.0577
Gm06	16287030	16288030	Gmdrm	hypo	CHH	-0.0683
Gm06	16291680	16292670	Gmdrm	hypo	CHH	-0.0413
Gm06	16292683	16293649	Gmdrm	hypo	CHH	-0.036
Gm06	16300014	16300578	Gmdrm	hypo	CHH	-0.0612
Gm06	16313885	16314864	Gmdrm	hypo	CHH	-0.0319
Gm06	16317429	16318429	Gmdrm	hypo	CHH	-0.047
Gm06	16321387	16322380	Gmdrm	hypo	CHH	-0.0579
Gm06	16327847	16328673	Gmdrm	hypo	CHH	-0.2145
Gm06	16328997	16329951	Gmdrm	hypo	CHH	-0.0272
Gm06	16330010	16331008	Gmdrm	hypo	CHH	-0.1206

Gm06	16331017	16331499	Gmdrm	hypo	CHH	-0.3381
Gm06	16343900	16344130	Gmdrm	hypo	CHH	-0.0233
Gm06	16345850	16346446	Gmdrm	hypo	CHH	-0.0232
Gm06	16354123	16355086	Gmdrm	hypo	CHH	-0.0162
Gm06	16358393	16359380	Gmdrm	hypo	CHH	-0.0139
Gm06	16364515	16365512	Gmdrm	hypo	CHH	-0.0117
Gm06	16371096	16372092	Gmdrm	hypo	CHH	-0.0275
Gm06	16388595	16389554	Gmdrm	hypo	CHH	-0.0871
Gm06	16395862	16396638	Gmdrm	hypo	CHH	-0.0219
Gm06	16400635	16401604	Gmdrm	hypo	CHH	-0.0206
Gm06	16413550	16414550	Gmdrm	hypo	CHH	-0.0725
Gm06	16414553	16415547	Gmdrm	hypo	CHH	-0.0502
Gm06	16418658	16419071	Gmdrm	hypo	CHH	-0.1057
Gm06	16419532	16420060	Gmdrm	hypo	CHH	-0.0539
Gm06	16423889	16424749	Gmdrm	hypo	CHH	-0.0238
Gm06	16425972	16426969	Gmdrm	hypo	CHH	-0.034
Gm06	16426977	16427959	Gmdrm	hypo	CHH	-0.0637
Gm06	16430672	16431661	Gmdrm	hypo	CHH	-0.0735
Gm06	16431692	16432686	Gmdrm	hypo	CHH	-0.0556
Gm06	16446411	16447392	Gmdrm	hypo	CHH	-0.0741
Gm06	16450661	16451661	Gmdrm	hypo	CHH	-0.0365
Gm06	16451665	16452652	Gmdrm	hypo	CHH	-0.0559
Gm06	16456959	16457954	Gmdrm	hypo	CHH	-0.0229
Gm06	16470229	16471222	Gmdrm	hypo	CHH	-0.0197
Gm06	16489043	16489522	Gmdrm	hypo	CHH	-0.0373
Gm06	16489628	16490626	Gmdrm	hypo	CHH	-0.0692
Gm06	16520884	16521872	Gmdrm	hypo	CHH	-0.011
Gm06	16521888	16522886	Gmdrm	hypo	CHH	-0.0598
Gm06	16522893	16523883	Gmdrm	hypo	CHH	-0.0154
Gm06	16523898	16524895	Gmdrm	hypo	CHH	-0.0056
Gm06	16528128	16529115	Gmdrm	hypo	CHH	-0.2212
Gm06	16530476	16531466	Gmdrm	hypo	CHH	-0.1975
Gm06	16543061	16544054	Gmdrm	hypo	CHH	-0.0529
Gm06	16544063	16545050	Gmdrm	hypo	CHH	-0.0961
Gm06	16545089	16546087	Gmdrm	hypo	CHH	-0.0513
Gm06	16546120	16547115	Gmdrm	hypo	CHH	-0.0205
Gm06	16547129	16548127	Gmdrm	hypo	CHH	-0.0234
Gm06	16563010	16563683	Gmdrm	hypo	CHH	-0.019
Gm06	16573841	16574063	Gmdrm	hypo	CHH	-0.036
Gm06	16576939	16577516	Gmdrm	hypo	CHH	-0.0675
Gm06	16577623	16578615	Gmdrm	hypo	CHH	-0.0346
Gm06	16579630	16580618	Gmdrm	hypo	CHH	-0.0405
Gm06	16580631	16581629	Gmdrm	hypo	CHH	-0.0704
Gm06	16581651	16582643	Gmdrm	hypo	CHH	-0.0505
Gm06	16582672	16583665	Gmdrm	hypo	CHH	-0.0309
Gm06	16584676	16585675	Gmdrm	hypo	CHH	-0.0604

Gm06	16585681	16586653	Gmdrm	hypo	CHH	-0.0804
Gm06	16601278	16602259	Gmdrm	hypo	CHH	-0.028
Gm06	16605300	16606296	Gmdrm	hypo	CHH	-0.1014
Gm06	16606304	16607300	Gmdrm	hypo	CHH	-0.0443
Gm06	16607327	16608316	Gmdrm	hypo	CHH	-0.1077
Gm06	16609352	16609864	Gmdrm	hypo	CHH	-0.0254
Gm06	16610028	16610898	Gmdrm	hypo	CHH	-0.0231
Gm06	16611294	16612286	Gmdrm	hypo	CHH	-0.0983
Gm06	16614119	16615106	Gmdrm	hypo	CHH	-0.2737
Gm06	16617936	16618932	Gmdrm	hypo	CHH	-0.0226
Gm06	16619951	16620685	Gmdrm	hypo	CHH	-0.0911
Gm06	16626879	16627868	Gmdrm	hypo	CHH	-0.0223
Gm06	16632563	16633558	Gmdrm	hypo	CHH	-0.3021
Gm06	16634568	16635567	Gmdrm	hypo	CHH	-0.0149
Gm06	16635579	16636570	Gmdrm	hypo	CHH	-0.0575
Gm06	16647346	16648035	Gmdrm	hypo	CHH	-0.016
Gm06	16651142	16652137	Gmdrm	hypo	CHH	-0.1079
Gm06	16652145	16653145	Gmdrm	hypo	CHH	-0.0533
Gm06	16653149	16654119	Gmdrm	hypo	CHH	-0.0423
Gm06	16658855	16659855	Gmdrm	hypo	CHH	-0.021
Gm06	16659869	16660858	Gmdrm	hypo	CHH	-0.0168
Gm06	16671541	16672537	Gmdrm	hypo	CHH	-0.0549
Gm06	16696893	16697892	Gmdrm	hypo	CHH	-0.0189
Gm06	16697894	16698878	Gmdrm	hypo	CHH	-0.0175
Gm06	16701646	16702632	Gmdrm	hypo	CHH	-0.0302
Gm06	16702670	16703669	Gmdrm	hypo	CHH	-0.0133
Gm06	16705617	16706608	Gmdrm	hypo	CHH	-0.0353
Gm06	16715164	16715796	Gmdrm	hypo	CHH	-0.0247
Gm06	16721110	16721638	Gmdrm	hypo	CHH	-0.0175
Gm06	16746690	16747392	Gmdrm	hypo	CHH	-0.0093
Gm06	16751811	16752790	Gmdrm	hypo	CHH	-0.0253
Gm06	16754223	16755213	Gmdrm	hypo	CHH	-0.0177
Gm06	16762486	16763479	Gmdrm	hypo	CHH	-0.0187
Gm06	16763539	16763881	Gmdrm	hypo	CHH	-0.0437
Gm06	16770039	16770293	Gmdrm	hypo	CHH	-0.0257
Gm06	16772830	16773809	Gmdrm	hypo	CHH	-0.1682
Gm06	16773878	16774056	Gmdrm	hypo	CHH	-0.6775
Gm06	16782447	16783173	Gmdrm	hypo	CHH	-0.0544
Gm06	16784087	16785086	Gmdrm	hypo	CHH	-0.0564
Gm06	16785091	16786061	Gmdrm	hypo	CHH	-0.0515
Gm06	16799601	16800601	Gmdrm	hypo	CHH	-0.0421
Gm06	16803609	16804492	Gmdrm	hypo	CHH	-0.0577
Gm06	16810406	16810949	Gmdrm	hypo	CHH	-0.0405
Gm06	16811067	16812066	Gmdrm	hypo	CHH	-0.0866
Gm06	16813085	16813156	Gmdrm	hypo	CHH	-0.0283
Gm06	16813274	16814268	Gmdrm	hypo	CHH	-0.0277

Gm06	16817293	16818022	Gmdrm	hypo	CHH	-0.0209
Gm06	16824268	16825262	Gmdrm	hypo	CHH	-0.0166
Gm06	16830706	16831701	Gmdrm	hypo	CHH	-0.0378
Gm06	16853064	16854064	Gmdrm	hypo	CHH	-0.0458
Gm06	16854085	16855072	Gmdrm	hypo	CHH	-0.0535
Gm06	16855087	16855280	Gmdrm	hypo	CHH	-0.0415
Gm06	16858549	16859548	Gmdrm	hypo	CHH	-0.0455
Gm06	16859557	16860009	Gmdrm	hypo	CHH	-0.093
Gm06	16890218	16891216	Gmdrm	hypo	CHH	-0.0137
Gm06	16892768	16893761	Gmdrm	hypo	CHH	-0.0262
Gm06	16895806	16896125	Gmdrm	hypo	CHH	-0.0212
Gm06	16896371	16897367	Gmdrm	hypo	CHH	-0.0876
Gm06	16897372	16897599	Gmdrm	hypo	CHH	-0.0985
Gm06	16899240	16899601	Gmdrm	hypo	CHH	-0.0562
Gm06	16910070	16911068	Gmdrm	hypo	CHH	-0.0223
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Gm06	16918903	16919902	Gmdrm	hypo	CHH	-0.0189
Gm06	16919905	16920904	Gmdrm	hypo	CHH	-0.0661
Gm06	16920906	16921350	Gmdrm	hypo	CHH	-0.0472
Gm06	16935114	16936103	Gmdrm	hypo	CHH	-0.0479
Gm06	16936118	16937085	Gmdrm	hypo	CHH	-0.0224
Gm06	16940445	16941399	Gmdrm	hypo	CHH	-0.0815
Gm06	16964566	16965552	Gmdrm	hypo	CHH	-0.0717
Gm06	16966600	16967599	Gmdrm	hypo	CHH	-0.0116
Gm06	16968320	16969320	Gmdrm	hypo	CHH	-0.1603
Gm06	16983538	16984535	Gmdrm	hypo	CHH	-0.068
Gm06	16984539	16985326	Gmdrm	hypo	CHH	-0.1638
Gm06	17004789	17005789	Gmdrm	hypo	CHH	-0.0474
Gm06	17006801	17007801	Gmdrm	hypo	CHH	-0.038
Gm06	17015945	17016942	Gmdrm	hypo	CHH	-0.0786
Gm06	17016949	17017947	Gmdrm	hypo	CHH	-0.0744
Gm06	17017956	17018948	Gmdrm	hypo	CHH	-0.0241
Gm06	17034743	17035743	Gmdrm	hypo	CHH	-0.0407
Gm06	17061990	17062964	Gmdrm	hypo	CHH	-0.0529
Gm06	17066078	17067062	Gmdrm	hypo	CHH	-0.0179
Gm06	17067752	17068741	Gmdrm	hypo	CHH	-0.0191
Gm06	17078102	17079042	Gmdrm	hypo	CHH	-0.1896
Gm06	17081930	17082929	Gmdrm	hypo	CHH	-0.087
Gm06	17082936	17083934	Gmdrm	hypo	CHH	-0.0475
Gm06	17084948	17085930	Gmdrm	hypo	CHH	-0.0111
Gm06	17085969	17086965	Gmdrm	hypo	CHH	-0.064
Gm06	17094009	17094987	Gmdrm	hypo	CHH	-0.0628
Gm06	17096074	17097039	Gmdrm	hypo	CHH	-0.2509
Gm06	17103314	17103899	Gmdrm	hypo	CHH	-0.0264
Gm06	17149716	17150715	Gmdrm	hypo	CHH	-0.0166
Gm06	17150723	17151723	Gmdrm	hypo	CHH	-0.0582

Gm06	17164425	17165425	Gmdrm	hypo	CHH	-0.0631
Gm06	17165429	17165973	Gmdrm	hypo	CHH	-0.0244
Gm06	17175415	17175620	Gmdrm	hypo	CHH	-0.0436
Gm06	17176166	17177162	Gmdrm	hypo	CHH	-0.022
Gm06	17177168	17178168	Gmdrm	hypo	CHH	-0.0582
Gm06	17184209	17185209	Gmdrm	hypo	CHH	-0.1263
Gm06	17185225	17185346	Gmdrm	hypo	CHH	-0.0328
Gm06	17187395	17187460	Gmdrm	hypo	CHH	-0.055
Gm06	17200006	17200936	Gmdrm	hypo	CHH	-0.0215
Gm06	17208851	17209850	Gmdrm	hypo	CHH	-0.0175
Gm06	17216439	17217416	Gmdrm	hypo	CHH	-0.1467
Gm06	17217440	17218437	Gmdrm	hypo	CHH	-0.0421
Gm06	17222468	17223421	Gmdrm	hypo	CHH	-0.1123
Gm06	17224497	17225009	Gmdrm	hypo	CHH	-0.0302
Gm06	17227545	17228532	Gmdrm	hypo	CHH	-0.0977
Gm06	17228546	17229542	Gmdrm	hypo	CHH	-0.108
Gm06	17236293	17236814	Gmdrm	hypo	CHH	-0.0376
Gm06	17239567	17240564	Gmdrm	hypo	CHH	-0.0235
Gm06	17245635	17246635	Gmdrm	hypo	CHH	-0.0139
Gm06	17252380	17253379	Gmdrm	hypo	CHH	-0.1504
Gm06	17253382	17254381	Gmdrm	hypo	CHH	-0.0419
Gm06	17254386	17254919	Gmdrm	hypo	CHH	-0.0719
Gm06	17273530	17274521	Gmdrm	hypo	CHH	-0.0388
Gm06	17290686	17291686	Gmdrm	hypo	CHH	-0.0427
Gm06	17325127	17326127	Gmdrm	hypo	CHH	-0.0173
Gm06	17326136	17327133	Gmdrm	hypo	CHH	-0.029
Gm06	17333430	17334420	Gmdrm	hypo	CHH	-0.1187
Gm06	17334431	17335158	Gmdrm	hypo	CHH	-0.3844
Gm06	17336292	17337288	Gmdrm	hypo	CHH	-0.2863
Gm06	17346877	17347874	Gmdrm	hypo	CHH	-0.0132
Gm06	17347880	17348143	Gmdrm	hypo	CHH	-0.0395
Gm06	17348770	17349763	Gmdrm	hypo	CHH	-0.0384
Gm06	17349786	17350783	Gmdrm	hypo	CHH	-0.0437
Gm06	17350808	17351801	Gmdrm	hypo	CHH	-0.0296
Gm06	17367283	17368273	Gmdrm	hypo	CHH	-0.0247
Gm06	17370576	17371573	Gmdrm	hypo	CHH	-0.0135
Gm06	17373601	17374593	Gmdrm	hypo	CHH	-0.0707
Gm06	17374603	17375585	Gmdrm	hypo	CHH	-0.035
Gm06	17382456	17383162	Gmdrm	hypo	CHH	-0.0783
Gm06	17389326	17390317	Gmdrm	hypo	CHH	-0.126
Gm06	17390355	17391334	Gmdrm	hypo	CHH	-0.0336
Gm06	17398404	17399402	Gmdrm	hypo	CHH	-0.0405
Gm06	17402555	17402959	Gmdrm	hypo	CHH	-0.0347
Gm06	17403091	17404080	Gmdrm	hypo	CHH	-0.1135
Gm06	17418228	17419189	Gmdrm	hypo	CHH	-0.0458
Gm06	17424015	17424994	Gmdrm	hypo	CHH	-0.0643

Gm06	17425016	17426003	Gmdrm	hypo	CHH	-0.0283
Gm06	17440489	17441482	Gmdrm	hypo	CHH	-0.0268
Gm06	17448500	17449500	Gmdrm	hypo	CHH	-0.0468
Gm06	17449531	17450296	Gmdrm	hypo	CHH	-0.0491
Gm06	17458146	17459113	Gmdrm	hypo	CHH	-0.0147
Gm06	17461170	17462167	Gmdrm	hypo	CHH	-0.1885
Gm06	17465361	17466360	Gmdrm	hypo	CHH	-0.1444
Gm06	17474024	17474364	Gmdrm	hypo	CHH	-0.2839
Gm06	17474488	17474948	Gmdrm	hypo	CHH	-0.149
Gm06	17477247	17478247	Gmdrm	hypo	CHH	-0.0583
Gm06	17478250	17479247	Gmdrm	hypo	CHH	-0.0669
Gm06	17485259	17486256	Gmdrm	hypo	CHH	-0.027
Gm06	17495140	17495813	Gmdrm	hypo	CHH	-0.0932
Gm06	17502518	17503515	Gmdrm	hypo	CHH	-0.0417
Gm06	17514181	17514873	Gmdrm	hypo	CHH	-0.0179
Gm06	17517626	17518609	Gmdrm	hypo	CHH	-0.0665
Gm06	17527397	17528323	Gmdrm	hypo	CHH	-0.0684
Gm06	17530473	17531473	Gmdrm	hypo	CHH	-0.0195
Gm06	17531495	17532473	Gmdrm	hypo	CHH	-0.0124
Gm06	17539586	17540566	Gmdrm	hypo	CHH	-0.1523
Gm06	17542603	17543597	Gmdrm	hypo	CHH	-0.0423
Gm06	17543610	17544605	Gmdrm	hypo	CHH	-0.0783
Gm06	17549055	17550050	Gmdrm	hypo	CHH	-0.0671
Gm06	17553421	17554385	Gmdrm	hypo	CHH	-0.0172
Gm06	17556519	17557261	Gmdrm	hypo	CHH	-0.0243
Gm06	17558785	17559780	Gmdrm	hypo	CHH	-0.1502
Gm06	17559787	17560773	Gmdrm	hypo	CHH	-0.0402
Gm06	17568057	17568983	Gmdrm	hypo	CHH	-0.0273
Gm06	17569063	17570057	Gmdrm	hypo	CHH	-0.0347
Gm06	17584255	17584469	Gmdrm	hypo	CHH	-0.0734
Gm06	17585900	17586889	Gmdrm	hypo	CHH	-0.0212
Gm06	17611039	17612012	Gmdrm	hypo	CHH	-0.0227
Gm06	17612053	17613033	Gmdrm	hypo	CHH	-0.0641
Gm06	17613688	17614688	Gmdrm	hypo	CHH	-0.055
Gm06	17614691	17615691	Gmdrm	hypo	CHH	-0.0724
Gm06	17615693	17616671	Gmdrm	hypo	CHH	-0.0857
Gm06	17624135	17625104	Gmdrm	hypo	CHH	-0.2575
Gm06	17672082	17672171	Gmdrm	hypo	CHH	-0.0466
Gm06	17675094	17675177	Gmdrm	hypo	CHH	-0.0944
Gm06	17681501	17682493	Gmdrm	hypo	CHH	-0.0216
Gm06	17693808	17694794	Gmdrm	hypo	CHH	-0.0446
Gm06	17722664	17723662	Gmdrm	hypo	CHH	-0.0192
Gm06	17724567	17724694	Gmdrm	hypo	CHH	-0.0625
Gm06	17725545	17725625	Gmdrm	hypo	CHH	-0.03
Gm06	17727555	17728523	Gmdrm	hypo	CHH	-0.0237
Gm06	17728562	17729557	Gmdrm	hypo	CHH	-0.0309

Gm06	17730638	17731574	Gmdrm	hypo	CHH	-0.0783
Gm06	17733967	17734957	Gmdrm	hypo	CHH	-0.0406
Gm06	17738032	17739028	Gmdrm	hypo	CHH	-0.0902
Gm06	17741078	17742078	Gmdrm	hypo	CHH	-0.0186
Gm06	17743117	17743917	Gmdrm	hypo	CHH	-0.042
Gm06	17750812	17751796	Gmdrm	hypo	CHH	-0.031
Gm06	17752857	17753855	Gmdrm	hypo	CHH	-0.0256
Gm06	17753864	17754864	Gmdrm	hypo	CHH	-0.0764
Gm06	17760203	17761196	Gmdrm	hypo	CHH	-0.0173
Gm06	17818473	17819435	Gmdrm	hypo	CHH	-0.021
Gm06	17857084	17858083	Gmdrm	hypo	CHH	-0.1056
Gm06	17865553	17866547	Gmdrm	hypo	CHH	-0.1052
Gm06	17868623	17869589	Gmdrm	hypo	CHH	-0.0764
Gm06	17875892	17876862	Gmdrm	hypo	CHH	-0.0109
Gm06	17879218	17880170	Gmdrm	hypo	CHH	-0.0691
Gm06	17905438	17906432	Gmdrm	hypo	CHH	-0.1944
Gm06	17908643	17909542	Gmdrm	hypo	CHH	-0.0268
Gm06	17917351	17918349	Gmdrm	hypo	CHH	-0.0386
Gm06	17930610	17931608	Gmdrm	hypo	CHH	-0.0486
Gm06	17931614	17932464	Gmdrm	hypo	CHH	-0.0611
Gm06	17932573	17933569	Gmdrm	hypo	CHH	-0.0612
Gm06	17934584	17935580	Gmdrm	hypo	CHH	-0.0592
Gm06	17936623	17937252	Gmdrm	hypo	CHH	-0.0761
Gm06	17937354	17938354	Gmdrm	hypo	CHH	-0.0534
Gm06	17945307	17946304	Gmdrm	hypo	CHH	-0.0584
Gm06	17946310	17947304	Gmdrm	hypo	CHH	-0.0443
Gm06	17948317	17948905	Gmdrm	hypo	CHH	-0.0422
Gm06	17949054	17950050	Gmdrm	hypo	CHH	-0.0222
Gm06	17954882	17955882	Gmdrm	hypo	CHH	-0.1098
Gm06	17955899	17956871	Gmdrm	hypo	CHH	-0.0883
Gm06	17999854	18000850	Gmdrm	hypo	CHH	-0.1474
Gm06	18001865	18002863	Gmdrm	hypo	CHH	-0.0729
Gm06	18002866	18003860	Gmdrm	hypo	CHH	-0.1947
Gm06	18004264	18005244	Gmdrm	hypo	CHH	-0.0219
Gm06	18009348	18010322	Gmdrm	hypo	CHH	-0.0172
Gm06	18011392	18012376	Gmdrm	hypo	CHH	-0.0359
Gm06	18014671	18015668	Gmdrm	hypo	CHH	-0.0853
Gm06	18031105	18032078	Gmdrm	hypo	CHH	-0.026
Gm06	18097376	18098376	Gmdrm	hypo	CHH	-0.0502
Gm06	18098384	18098741	Gmdrm	hypo	CHH	-0.0403
Gm06	18108434	18108853	Gmdrm	hypo	CHH	-0.0185
Gm06	18116499	18117065	Gmdrm	hypo	CHH	-0.0997
Gm06	18117238	18118225	Gmdrm	hypo	CHH	-0.0613
Gm06	18130788	18131756	Gmdrm	hypo	CHH	-0.0292
Gm06	18131792	18132766	Gmdrm	hypo	CHH	-0.0628
Gm06	18142824	18143823	Gmdrm	hypo	CHH	-0.2707

Gm06	18143830	18144377	Gmdrm	hypo	CHH	-0.1318
Gm06	18144776	18145756	Gmdrm	hypo	CHH	-0.1019
Gm06	18145778	18146775	Gmdrm	hypo	CHH	-0.0658
Gm06	18146780	18147733	Gmdrm	hypo	CHH	-0.0732
Gm06	18147793	18148789	Gmdrm	hypo	CHH	-0.0501
Gm06	18151666	18152646	Gmdrm	hypo	CHH	-0.1092
Gm06	18152668	18152727	Gmdrm	hypo	CHH	-0.0414
Gm06	18157274	18158265	Gmdrm	hypo	CHH	-0.1125
Gm06	18215560	18216547	Gmdrm	hypo	CHH	-0.0295
Gm06	18217545	18218543	Gmdrm	hypo	CHH	-0.0737
Gm06	18218557	18219553	Gmdrm	hypo	CHH	-0.0533
Gm06	18227412	18228403	Gmdrm	hypo	CHH	-0.0403
Gm06	18235606	18236606	Gmdrm	hypo	CHH	-0.0803
Gm06	18236609	18236851	Gmdrm	hypo	CHH	-0.0602
Gm06	18236971	18237969	Gmdrm	hypo	CHH	-0.0607
Gm06	18253114	18253889	Gmdrm	hypo	CHH	-0.0172
Gm06	18270224	18271224	Gmdrm	hypo	CHH	-0.0704
Gm06	18282669	18283283	Gmdrm	hypo	CHH	-0.2927
Gm06	18283406	18284380	Gmdrm	hypo	CHH	-0.3462
Gm06	18286678	18287674	Gmdrm	hypo	CHH	-0.0236
Gm06	18308384	18308541	Gmdrm	hypo	CHH	-0.072
Gm06	18312265	18313265	Gmdrm	hypo	CHH	-0.0756
Gm06	18313269	18314248	Gmdrm	hypo	CHH	-0.0951
Gm06	18315434	18316411	Gmdrm	hypo	CHH	-0.0531
Gm06	18316453	18316619	Gmdrm	hypo	CHH	-0.054
Gm06	18316720	18317698	Gmdrm	hypo	CHH	-0.0115
Gm06	18325089	18325735	Gmdrm	hypo	CHH	-0.0974
Gm06	18325851	18326841	Gmdrm	hypo	CHH	-0.0696
Gm06	18326879	18327818	Gmdrm	hypo	CHH	-0.0837
Gm06	18331241	18332239	Gmdrm	hypo	CHH	-0.0332
Gm06	18340378	18341362	Gmdrm	hypo	CHH	-0.1289
Gm06	18351878	18352346	Gmdrm	hypo	CHH	-0.0239
Gm06	18352452	18353355	Gmdrm	hypo	CHH	-0.0119
Gm06	18357938	18358937	Gmdrm	hypo	CHH	-0.0568
Gm06	18404799	18405795	Gmdrm	hypo	CHH	-0.0518
Gm06	18410838	18411836	Gmdrm	hypo	CHH	-0.0726
Gm06	18411854	18412755	Gmdrm	hypo	CHH	-0.0682
Gm06	18422591	18423339	Gmdrm	hypo	CHH	-0.0688
Gm06	18432503	18432630	Gmdrm	hypo	CHH	-0.08
Gm06	18434077	18435048	Gmdrm	hypo	CHH	-0.0092
Gm06	18449039	18450039	Gmdrm	hypo	CHH	-0.0163
Gm06	18451655	18452651	Gmdrm	hypo	CHH	-0.2403
Gm06	18452657	18453648	Gmdrm	hypo	CHH	-0.1643
Gm06	18480475	18481474	Gmdrm	hypo	CHH	-0.0382
Gm06	18484073	18485072	Gmdrm	hypo	CHH	-0.0459
Gm06	18516528	18517527	Gmdrm	hypo	CHH	-0.087

Gm06	18526652	18527628	Gmdrm	hypo	CHH	-0.0777
Gm06	18527663	18528663	Gmdrm	hypo	CHH	-0.0139
Gm06	18534265	18535223	Gmdrm	hypo	CHH	-0.0139
Gm06	18538416	18539390	Gmdrm	hypo	CHH	-0.0409
Gm06	18543450	18544167	Gmdrm	hypo	CHH	-0.0451
Gm06	18549783	18550781	Gmdrm	hypo	CHH	-0.3944
Gm06	18550785	18551763	Gmdrm	hypo	CHH	-0.0731
Gm06	18565384	18566373	Gmdrm	hypo	CHH	-0.1268
Gm06	18567453	18568444	Gmdrm	hypo	CHH	-0.0442
Gm06	18568458	18569456	Gmdrm	hypo	CHH	-0.2006
Gm06	18573334	18574311	Gmdrm	hypo	CHH	-0.0258
Gm06	18574349	18575092	Gmdrm	hypo	CHH	-0.1307
Gm06	18575519	18576490	Gmdrm	hypo	CHH	-0.0312
Gm06	18612434	18613416	Gmdrm	hypo	CHH	-0.0282
Gm06	18613465	18614457	Gmdrm	hypo	CHH	-0.033
Gm06	18622280	18623275	Gmdrm	hypo	CHH	-0.0225
Gm06	18625080	18626019	Gmdrm	hypo	CHH	-0.1381
Gm06	18626089	18627072	Gmdrm	hypo	CHH	-0.0917
Gm06	18630230	18631048	Gmdrm	hypo	CHH	-0.0198
Gm06	18633204	18633451	Gmdrm	hypo	CHH	-0.0469
Gm06	18636790	18636852	Gmdrm	hypo	CHH	-0.0483
Gm06	18648651	18649649	Gmdrm	hypo	CHH	-0.0279
Gm06	18662997	18663993	Gmdrm	hypo	CHH	-0.0679
Gm06	18664006	18664650	Gmdrm	hypo	CHH	-0.0526
Gm06	18669474	18670469	Gmdrm	hypo	CHH	-0.0221
Gm06	18672113	18673102	Gmdrm	hypo	CHH	-0.0657
Gm06	18673127	18674126	Gmdrm	hypo	CHH	-0.0372
Gm06	18682541	18683085	Gmdrm	hypo	CHH	-0.0519
Gm06	18688083	18689081	Gmdrm	hypo	CHH	-0.0298
Gm06	18719023	18720023	Gmdrm	hypo	CHH	-0.0365
Gm06	18734751	18735705	Gmdrm	hypo	CHH	-0.0414
Gm06	18741064	18742058	Gmdrm	hypo	CHH	-0.0224
Gm06	18742119	18742991	Gmdrm	hypo	CHH	-0.0463
Gm06	18746235	18747235	Gmdrm	hypo	CHH	-0.0542
Gm06	18807976	18808975	Gmdrm	hypo	CHH	-0.0459
Gm06	18808986	18809986	Gmdrm	hypo	CHH	-0.0215
Gm06	18817179	18818176	Gmdrm	hypo	CHH	-0.0222
Gm06	18819211	18820204	Gmdrm	hypo	CHH	-0.0144
Gm06	18821239	18822221	Gmdrm	hypo	CHH	-0.1748
Gm06	18859197	18860147	Gmdrm	hypo	CHH	-0.0258
Gm06	18862664	18863659	Gmdrm	hypo	CHH	-0.0178
Gm06	18886617	18887616	Gmdrm	hypo	CHH	-0.1182
Gm06	18887622	18888068	Gmdrm	hypo	CHH	-0.2317
Gm06	18888172	18889157	Gmdrm	hypo	CHH	-0.079
Gm06	18889183	18890151	Gmdrm	hypo	CHH	-0.0325
Gm06	18890184	18891167	Gmdrm	hypo	CHH	-0.0441

Gm06	18891214	18892210	Gmdrm	hypo	CHH	-0.0251
Gm06	18892217	18893191	Gmdrm	hypo	CHH	-0.0476
Gm06	18893277	18894264	Gmdrm	hypo	CHH	-0.0944
Gm06	18909249	18909836	Gmdrm	hypo	CHH	-0.0549
Gm06	18930947	18931915	Gmdrm	hypo	CHH	-0.1126
Gm06	18937851	18938406	Gmdrm	hypo	CHH	-0.0488
Gm06	18939428	18940032	Gmdrm	hypo	CHH	-0.0637
Gm06	18955108	18956108	Gmdrm	hypo	CHH	-0.0284
Gm06	18957116	18958086	Gmdrm	hypo	CHH	-0.0773
Gm06	18959495	18960195	Gmdrm	hypo	CHH	-0.0413
Gm06	18966431	18967430	Gmdrm	hypo	CHH	-0.0741
Gm06	18973255	18974255	Gmdrm	hypo	CHH	-0.0221
Gm06	18978355	18979355	Gmdrm	hypo	CHH	-0.0268
Gm06	18983520	18984518	Gmdrm	hypo	CHH	-0.0139
Gm06	18984537	18985529	Gmdrm	hypo	CHH	-0.0986
Gm06	18985542	18986516	Gmdrm	hypo	CHH	-0.0256
Gm06	18991267	18992264	Gmdrm	hypo	CHH	-0.0231
Gm06	18996676	18997668	Gmdrm	hypo	CHH	-0.0398
Gm06	19000712	19001710	Gmdrm	hypo	CHH	-0.0116
Gm06	19026254	19027056	Gmdrm	hypo	CHH	-0.0206
Gm06	19042882	19043875	Gmdrm	hypo	CHH	-0.0138
Gm06	19043894	19044891	Gmdrm	hypo	CHH	-0.0412
Gm06	19049962	19050497	Gmdrm	hypo	CHH	-0.1111
Gm06	19050653	19051616	Gmdrm	hypo	CHH	-0.2363
Gm06	19055259	19055855	Gmdrm	hypo	CHH	-0.0121
Gm06	19066134	19066971	Gmdrm	hypo	CHH	-0.082
Gm06	19086708	19087699	Gmdrm	hypo	CHH	-0.1146
Gm06	19091150	19091752	Gmdrm	hypo	CHH	-0.0766
Gm06	19118674	19119662	Gmdrm	hypo	CHH	-0.0629
Gm06	19138302	19139301	Gmdrm	hypo	CHH	-0.0401
Gm06	19143421	19144354	Gmdrm	hypo	CHH	-0.0272
Gm06	19144436	19145416	Gmdrm	hypo	CHH	-0.0276
Gm06	19145485	19146249	Gmdrm	hypo	CHH	-0.0195
Gm06	19149202	19149428	Gmdrm	hypo	CHH	-0.052
Gm06	19163839	19164825	Gmdrm	hypo	CHH	-0.02
Gm06	19183555	19184550	Gmdrm	hypo	CHH	-0.0344
Gm06	19188309	19189254	Gmdrm	hypo	CHH	-0.0183
Gm06	19191958	19192931	Gmdrm	hypo	CHH	-0.1077
Gm06	19208906	19209895	Gmdrm	hypo	CHH	-0.0685
Gm06	19214972	19215967	Gmdrm	hypo	CHH	-0.1914
Gm06	19215981	19216588	Gmdrm	hypo	CHH	-0.1044
Gm06	19227570	19228548	Gmdrm	hypo	CHH	-0.0945
Gm06	19230614	19231567	Gmdrm	hypo	CHH	-0.0448
Gm06	19279047	19280046	Gmdrm	hypo	CHH	-0.0789
Gm06	19280055	19281049	Gmdrm	hypo	CHH	-0.1167
Gm06	19298418	19298813	Gmdrm	hypo	CHH	-0.0757

Gm06	19298918	19299907	Gmdrm	hypo	CHH	-0.0866
Gm06	19315633	19316607	Gmdrm	hypo	CHH	-0.0471
Gm06	19346615	19347604	Gmdrm	hypo	CHH	-0.0168
Gm06	19347620	19348583	Gmdrm	hypo	CHH	-0.0399
Gm06	19351069	19352055	Gmdrm	hypo	CHH	-0.0545
Gm06	19355920	19356913	Gmdrm	hypo	CHH	-0.0362
Gm06	19356922	19357916	Gmdrm	hypo	CHH	-0.0394
Gm06	19396816	19397816	Gmdrm	hypo	CHH	-0.0485
Gm06	19398822	19399703	Gmdrm	hypo	CHH	-0.0439
Gm06	19401476	19402452	Gmdrm	hypo	CHH	-0.011
Gm06	19461565	19462009	Gmdrm	hypo	CHH	-0.0589
Gm06	19488922	19489922	Gmdrm	hypo	CHH	-0.0624
Gm06	19497375	19498375	Gmdrm	hypo	CHH	-0.0112
Gm06	19520070	19521052	Gmdrm	hypo	CHH	-0.0171
Gm06	19521083	19521992	Gmdrm	hypo	CHH	-0.0273
Gm06	19527341	19528319	Gmdrm	hypo	CHH	-0.1162
Gm06	19531383	19532380	Gmdrm	hypo	CHH	-0.0764
Gm06	19533410	19534406	Gmdrm	hypo	CHH	-0.0725
Gm06	19534419	19534856	Gmdrm	hypo	CHH	-0.2436
Gm06	19535833	19536619	Gmdrm	hypo	CHH	-0.0189
Gm06	19557875	19558842	Gmdrm	hypo	CHH	-0.033
Gm06	19579774	19580253	Gmdrm	hypo	CHH	-0.1892
Gm06	19595778	19596773	Gmdrm	hypo	CHH	-0.0132
Gm06	19596795	19597756	Gmdrm	hypo	CHH	-0.1093
Gm06	19597840	19598826	Gmdrm	hypo	CHH	-0.0171
Gm06	19601736	19602736	Gmdrm	hypo	CHH	-0.0665
Gm06	19602745	19603741	Gmdrm	hypo	CHH	-0.0917
Gm06	19603817	19604817	Gmdrm	hypo	CHH	-0.0489
Gm06	19611871	19612844	Gmdrm	hypo	CHH	-0.0147
Gm06	19612886	19613884	Gmdrm	hypo	CHH	-0.0215
Gm06	19614904	19615893	Gmdrm	hypo	CHH	-0.0312
Gm06	19617945	19618942	Gmdrm	hypo	CHH	-0.0187
Gm06	19643618	19644519	Gmdrm	hypo	CHH	-0.1278
Gm06	19645650	19646645	Gmdrm	hypo	CHH	-0.0408
Gm06	19646656	19647627	Gmdrm	hypo	CHH	-0.0389
Gm06	19647872	19648865	Gmdrm	hypo	CHH	-0.0125
Gm06	19648919	19649909	Gmdrm	hypo	CHH	-0.017
Gm06	19650975	19651918	Gmdrm	hypo	CHH	-0.0198
Gm06	19651999	19652950	Gmdrm	hypo	CHH	-0.1256
Gm06	19672095	19672477	Gmdrm	hypo	CHH	-0.083
Gm06	19673618	19674349	Gmdrm	hypo	CHH	-0.0262
Gm06	19674812	19675805	Gmdrm	hypo	CHH	-0.0761
Gm06	19675966	19676947	Gmdrm	hypo	CHH	-0.0152
Gm06	19677388	19678385	Gmdrm	hypo	CHH	-0.0104
Gm06	19702861	19703845	Gmdrm	hypo	CHH	-0.0189
Gm06	19703900	19704882	Gmdrm	hypo	CHH	-0.113

Gm06	19710076	19711071	Gmdrm	hypo	CHH	-0.0522
Gm06	19746342	19746885	Gmdrm	hypo	CHH	-0.0553
Gm06	19749221	19750216	Gmdrm	hypo	CHH	-0.0249
Gm06	19778405	19779392	Gmdrm	hypo	CHH	-0.0811
Gm06	19780413	19781409	Gmdrm	hypo	CHH	-0.06
Gm06	19782434	19783434	Gmdrm	hypo	CHH	-0.0643
Gm06	19837620	19838609	Gmdrm	hypo	CHH	-0.0591
Gm06	19838651	19839355	Gmdrm	hypo	CHH	-0.0788
Gm06	19881895	19882365	Gmdrm	hypo	CHH	-0.0244
Gm06	19882524	19883524	Gmdrm	hypo	CHH	-0.0414
Gm06	19896221	19897198	Gmdrm	hypo	CHH	-0.0188
Gm06	19897235	19897783	Gmdrm	hypo	CHH	-0.0708
Gm06	19903527	19904521	Gmdrm	hypo	CHH	-0.0704
Gm06	19904537	19905531	Gmdrm	hypo	CHH	-0.0208
Gm06	20024938	20025323	Gmdrm	hypo	CHH	-0.0405
Gm06	20031242	20032169	Gmdrm	hypo	CHH	-0.0114
Gm06	20034323	20035307	Gmdrm	hypo	CHH	-0.0197
Gm06	20100077	20100230	Gmdrm	hypo	CHH	-0.0545
Gm06	20109755	20110747	Gmdrm	hypo	CHH	-0.1298
Gm06	20110770	20111766	Gmdrm	hypo	CHH	-0.0431
Gm06	20113123	20114090	Gmdrm	hypo	CHH	-0.0348
Gm06	20116239	20117210	Gmdrm	hypo	CHH	-0.015
Gm06	20117291	20118279	Gmdrm	hypo	CHH	-0.0368
Gm06	20118318	20119317	Gmdrm	hypo	CHH	-0.0452
Gm06	20119333	20120324	Gmdrm	hypo	CHH	-0.066
Gm06	20120339	20121337	Gmdrm	hypo	CHH	-0.0229
Gm06	20128966	20129963	Gmdrm	hypo	CHH	-0.0202
Gm06	20137182	20137426	Gmdrm	hypo	CHH	-0.0425
Gm06	20142227	20143221	Gmdrm	hypo	CHH	-0.0568
Gm06	20143261	20144261	Gmdrm	hypo	CHH	-0.06
Gm06	20161871	20162871	Gmdrm	hypo	CHH	-0.1266
Gm06	20189857	20190842	Gmdrm	hypo	CHH	-0.1787
Gm06	20193048	20194038	Gmdrm	hypo	CHH	-0.1669
Gm06	20202806	20203806	Gmdrm	hypo	CHH	-0.1079
Gm06	20203810	20204804	Gmdrm	hypo	CHH	-0.0826
Gm06	20204830	20204935	Gmdrm	hypo	CHH	-0.0557
Gm06	20207421	20208361	Gmdrm	hypo	CHH	-0.0208
Gm06	20209599	20210592	Gmdrm	hypo	CHH	-0.0365
Gm06	20272279	20273260	Gmdrm	hypo	CHH	-0.0978
Gm06	20277888	20278884	Gmdrm	hypo	CHH	-0.089
Gm06	20345396	20346378	Gmdrm	hypo	CHH	-0.101
Gm06	20346858	20347400	Gmdrm	hypo	CHH	-0.0511
Gm06	20350701	20351687	Gmdrm	hypo	CHH	-0.0148
Gm06	20353256	20354253	Gmdrm	hypo	CHH	-0.0442
Gm06	20363677	20364651	Gmdrm	hypo	CHH	-0.1127
Gm06	20414243	20415241	Gmdrm	hypo	CHH	-0.0664

Gm06	20439025	20440025	Gmdrm	hypo	CHH	-0.0449
Gm06	20440033	20440916	Gmdrm	hypo	CHH	-0.1435
Gm06	20441785	20442785	Gmdrm	hypo	CHH	-0.0319
Gm06	20442787	20443787	Gmdrm	hypo	CHH	-0.0368
Gm06	20446963	20447957	Gmdrm	hypo	CHH	-0.015
Gm06	20450589	20450792	Gmdrm	hypo	CHH	-0.054
Gm06	20455222	20456217	Gmdrm	hypo	CHH	-0.0633
Gm06	20456234	20457002	Gmdrm	hypo	CHH	-0.0602
Gm06	20460469	20461468	Gmdrm	hypo	CHH	-0.093
Gm06	20482076	20482683	Gmdrm	hypo	CHH	-0.0191
Gm06	20493835	20494834	Gmdrm	hypo	CHH	-0.0374
Gm06	20502498	20503494	Gmdrm	hypo	CHH	-0.0207
Gm06	20504541	20505541	Gmdrm	hypo	CHH	-0.028
Gm06	20505542	20506531	Gmdrm	hypo	CHH	-0.0195
Gm06	20519198	20520174	Gmdrm	hypo	CHH	-0.0354
Gm06	20521210	20522207	Gmdrm	hypo	CHH	-0.0525
Gm06	20522211	20522880	Gmdrm	hypo	CHH	-0.1138
Gm06	20523382	20524382	Gmdrm	hypo	CHH	-0.0534
Gm06	20548724	20549716	Gmdrm	hypo	CHH	-0.0923
Gm06	20571310	20572304	Gmdrm	hypo	CHH	-0.0201
Gm06	20572312	20573275	Gmdrm	hypo	CHH	-0.0149
Gm06	20573883	20574851	Gmdrm	hypo	CHH	-0.0468
Gm06	20576018	20576986	Gmdrm	hypo	CHH	-0.0189
Gm06	20596483	20597482	Gmdrm	hypo	CHH	-0.2614
Gm06	20597485	20598482	Gmdrm	hypo	CHH	-0.0621
Gm06	20615500	20616499	Gmdrm	hypo	CHH	-0.0654
Gm06	20651941	20652927	Gmdrm	hypo	CHH	-0.0221
Gm06	20671554	20672546	Gmdrm	hypo	CHH	-0.033
Gm06	20673391	20674384	Gmdrm	hypo	CHH	-0.0302
Gm06	20677596	20678591	Gmdrm	hypo	CHH	-0.0398
Gm06	20678598	20679583	Gmdrm	hypo	CHH	-0.0297
Gm06	20682449	20682877	Gmdrm	hypo	CHH	-0.0181
Gm06	20688563	20689556	Gmdrm	hypo	CHH	-0.0748
Gm06	20694615	20694791	Gmdrm	hypo	CHH	-0.105
Gm06	20694896	20695879	Gmdrm	hypo	CHH	-0.0204
Gm06	20702126	20703125	Gmdrm	hypo	CHH	-0.0226
Gm06	20735229	20736217	Gmdrm	hypo	CHH	-0.0953
Gm06	20741054	20742033	Gmdrm	hypo	CHH	-0.0171
Gm06	20747190	20748187	Gmdrm	hypo	CHH	-0.0211
Gm06	20765459	20766448	Gmdrm	hypo	CHH	-0.0316
Gm06	20766463	20767458	Gmdrm	hypo	CHH	-0.0396
Gm06	20801274	20801753	Gmdrm	hypo	CHH	-0.0663
Gm06	20882003	20883002	Gmdrm	hypo	CHH	-0.0427
Gm06	20885059	20885532	Gmdrm	hypo	CHH	-0.0831
Gm06	20885642	20886592	Gmdrm	hypo	CHH	-0.0345
Gm06	20920032	20921031	Gmdrm	hypo	CHH	-0.0578

Gm06	20940342	20941340	Gmdrm	hypo	CHH	-0.1657
Gm06	20941360	20942034	Gmdrm	hypo	CHH	-0.2019
Gm06	20958265	20959177	Gmdrm	hypo	CHH	-0.045
Gm06	20995060	20996018	Gmdrm	hypo	CHH	-0.025
Gm06	20997086	20997126	Gmdrm	hypo	CHH	-0.038
Gm06	21201755	21202052	Gmdrm	hypo	CHH	-0.0307
Gm06	21208141	21209141	Gmdrm	hypo	CHH	-0.0492
Gm06	21209149	21210148	Gmdrm	hypo	CHH	-0.0625
Gm06	21210152	21211149	Gmdrm	hypo	CHH	-0.0508
Gm06	21211153	21212121	Gmdrm	hypo	CHH	-0.0481
Gm06	21213205	21214175	Gmdrm	hypo	CHH	-0.034
Gm06	21214206	21214961	Gmdrm	hypo	CHH	-0.0481
Gm06	21225927	21226925	Gmdrm	hypo	CHH	-0.0611
Gm06	21226928	21227925	Gmdrm	hypo	CHH	-0.0422
Gm06	21229933	21230933	Gmdrm	hypo	CHH	-0.0437
Gm06	21230954	21231164	Gmdrm	hypo	CHH	-0.0865
Gm06	21231273	21232268	Gmdrm	hypo	CHH	-0.0912
Gm06	21234662	21235644	Gmdrm	hypo	CHH	-0.0239
Gm06	21240946	21241095	Gmdrm	hypo	CHH	-0.0194
Gm06	21243551	21244545	Gmdrm	hypo	CHH	-0.0195
Gm06	21245589	21246585	Gmdrm	hypo	CHH	-0.036
Gm06	21317975	21318175	Gmdrm	hypo	CHH	-0.05
Gm06	21318574	21319574	Gmdrm	hypo	CHH	-0.0563
Gm06	21320596	21321593	Gmdrm	hypo	CHH	-0.0612
Gm06	21326137	21327123	Gmdrm	hypo	CHH	-0.0418
Gm06	21351332	21352332	Gmdrm	hypo	CHH	-0.0681
Gm06	21359200	21360190	Gmdrm	hypo	CHH	-0.0193
Gm06	21360220	21361196	Gmdrm	hypo	CHH	-0.0663
Gm06	21362392	21363066	Gmdrm	hypo	CHH	-0.0196
Gm06	21373621	21374601	Gmdrm	hypo	CHH	-0.0387
Gm06	21396700	21397677	Gmdrm	hypo	CHH	-0.066
Gm06	21435943	21436922	Gmdrm	hypo	CHH	-0.0208
Gm06	21437957	21438949	Gmdrm	hypo	CHH	-0.0193
Gm06	21442609	21443593	Gmdrm	hypo	CHH	-0.0387
Gm06	21458816	21459578	Gmdrm	hypo	CHH	-0.0296
Gm06	21459681	21460617	Gmdrm	hypo	CHH	-0.0181
Gm06	21494260	21495260	Gmdrm	hypo	CHH	-0.0418
Gm06	21495267	21496246	Gmdrm	hypo	CHH	-0.1153
Gm06	21524475	21525475	Gmdrm	hypo	CHH	-0.0164
Gm06	21525520	21526517	Gmdrm	hypo	CHH	-0.0849
Gm06	21532000	21532161	Gmdrm	hypo	CHH	-0.0829
Gm06	21719257	21720256	Gmdrm	hypo	CHH	-0.0797
Gm06	21790396	21791391	Gmdrm	hypo	CHH	-0.0352
Gm06	21850721	21851442	Gmdrm	hypo	CHH	-0.0651
Gm06	21852744	21853729	Gmdrm	hypo	CHH	-0.1795
Gm06	21858792	21859786	Gmdrm	hypo	CHH	-0.085

Gm06	21917534	21918529	Gmdrm	hypo	CHH	-0.043
Gm06	21966699	21967695	Gmdrm	hypo	CHH	-0.0431
Gm06	22025238	22026185	Gmdrm	hypo	CHH	-0.064
Gm06	22026255	22027244	Gmdrm	hypo	CHH	-0.06
Gm06	22045596	22046578	Gmdrm	hypo	CHH	-0.1121
Gm06	22048547	22049541	Gmdrm	hypo	CHH	-0.0217
Gm06	22080394	22081394	Gmdrm	hypo	CHH	-0.0193
Gm06	22082444	22083443	Gmdrm	hypo	CHH	-0.0221
Gm06	22083454	22084452	Gmdrm	hypo	CHH	-0.0356
Gm06	22091531	22092529	Gmdrm	hypo	CHH	-0.044
Gm06	22092546	22093519	Gmdrm	hypo	CHH	-0.0475
Gm06	22145135	22146127	Gmdrm	hypo	CHH	-0.0351
Gm06	22146144	22147135	Gmdrm	hypo	CHH	-0.142
Gm06	22147187	22148177	Gmdrm	hypo	CHH	-0.0462
Gm06	22184808	22185806	Gmdrm	hypo	CHH	-0.0324
Gm06	22185814	22186810	Gmdrm	hypo	CHH	-0.0652
Gm06	22257669	22258669	Gmdrm	hypo	CHH	-0.0395
Gm06	22258671	22259631	Gmdrm	hypo	CHH	-0.0491
Gm06	22267549	22268548	Gmdrm	hypo	CHH	-0.0206
Gm06	22344012	22344640	Gmdrm	hypo	CHH	-0.0293
Gm06	22348456	22349446	Gmdrm	hypo	CHH	-0.0661
Gm06	22390245	22391243	Gmdrm	hypo	CHH	-0.1224
Gm06	22394282	22395242	Gmdrm	hypo	CHH	-0.0195
Gm06	22454459	22455457	Gmdrm	hypo	CHH	-0.0524
Gm06	22469527	22470519	Gmdrm	hypo	CHH	-0.0476
Gm06	22470538	22471520	Gmdrm	hypo	CHH	-0.0739
Gm06	22523088	22524058	Gmdrm	hypo	CHH	-0.0391
Gm06	22525828	22526827	Gmdrm	hypo	CHH	-0.0481
Gm06	22528504	22529477	Gmdrm	hypo	CHH	-0.0181
Gm06	22533035	22534016	Gmdrm	hypo	CHH	-0.016
Gm06	22535347	22536332	Gmdrm	hypo	CHH	-0.0136
Gm06	22538823	22539818	Gmdrm	hypo	CHH	-0.0265
Gm06	22539842	22540833	Gmdrm	hypo	CHH	-0.0888
Gm06	22646305	22647027	Gmdrm	hypo	CHH	-0.023
Gm06	22648878	22649876	Gmdrm	hypo	CHH	-0.0303
Gm06	22649884	22650869	Gmdrm	hypo	CHH	-0.0469
Gm06	22662468	22663445	Gmdrm	hypo	CHH	-0.0427
Gm06	22688454	22689446	Gmdrm	hypo	CHH	-0.0516
Gm06	22708462	22709461	Gmdrm	hypo	CHH	-0.079
Gm06	22713567	22714540	Gmdrm	hypo	CHH	-0.0406
Gm06	22767909	22768219	Gmdrm	hypo	CHH	-0.0594
Gm06	22774692	22775664	Gmdrm	hypo	CHH	-0.0501
Gm06	22778729	22779715	Gmdrm	hypo	CHH	-0.0432
Gm06	22786288	22787281	Gmdrm	hypo	CHH	-0.176
Gm06	22796315	22796478	Gmdrm	hypo	CHH	-0.0517
Gm06	22805112	22806110	Gmdrm	hypo	CHH	-0.015

Gm06	22807140	22808136	Gmdrm	hypo	CHH	-0.0361
Gm06	22833227	22834225	Gmdrm	hypo	CHH	-0.0679
Gm06	22863516	22864512	Gmdrm	hypo	CHH	-0.0578
Gm06	22864530	22865527	Gmdrm	hypo	CHH	-0.1407
Gm06	22872680	22873680	Gmdrm	hypo	CHH	-0.0583
Gm06	22873683	22874669	Gmdrm	hypo	CHH	-0.0569
Gm06	22898936	22899020	Gmdrm	hypo	CHH	-0.064
Gm06	22906954	22907934	Gmdrm	hypo	CHH	-0.0479
Gm06	22921015	22922012	Gmdrm	hypo	CHH	-0.0313
Gm06	22922555	22923017	Gmdrm	hypo	CHH	-0.0412
Gm06	22924169	22925156	Gmdrm	hypo	CHH	-0.0585
Gm06	23091752	23092733	Gmdrm	hypo	CHH	-0.0721
Gm06	23092777	23093773	Gmdrm	hypo	CHH	-0.0264
Gm06	23098131	23099122	Gmdrm	hypo	CHH	-0.0215
Gm06	23317195	23318191	Gmdrm	hypo	CHH	-0.1903
Gm06	23393958	23394957	Gmdrm	hypo	CHH	-0.0611
Gm06	23397197	23398192	Gmdrm	hypo	CHH	-0.0954
Gm06	23398200	23399196	Gmdrm	hypo	CHH	-0.1021
Gm06	23412023	23413000	Gmdrm	hypo	CHH	-0.0728
Gm06	23413024	23414019	Gmdrm	hypo	CHH	-0.0543
Gm06	23420152	23420883	Gmdrm	hypo	CHH	-0.0667
Gm06	23421092	23422086	Gmdrm	hypo	CHH	-0.0645
Gm06	23422094	23423053	Gmdrm	hypo	CHH	-0.0996
Gm06	23437341	23438314	Gmdrm	hypo	CHH	-0.0939
Gm06	23541680	23542665	Gmdrm	hypo	CHH	-0.0861
Gm06	23542681	23543681	Gmdrm	hypo	CHH	-0.0714
Gm06	23547554	23548552	Gmdrm	hypo	CHH	-0.0933
Gm06	23548555	23548912	Gmdrm	hypo	CHH	-0.0971
Gm06	23549085	23550041	Gmdrm	hypo	CHH	-0.0229
Gm06	23554347	23555336	Gmdrm	hypo	CHH	-0.0776
Gm06	23609275	23610274	Gmdrm	hypo	CHH	-0.0636
Gm06	23620287	23621285	Gmdrm	hypo	CHH	-0.0766
Gm06	23625653	23626443	Gmdrm	hypo	CHH	-0.0499
Gm06	23628187	23629157	Gmdrm	hypo	CHH	-0.026
Gm06	23715034	23715054	Gmdrm	hypo	CHH	-0.084
Gm06	23746861	23746932	Gmdrm	hypo	CHH	-0.195
Gm06	23758232	23758365	Gmdrm	hypo	CHH	-0.1182
Gm06	23833327	23833839	Gmdrm	hypo	CHH	-0.0457
Gm06	23839249	23840197	Gmdrm	hypo	CHH	-0.1464
Gm06	23849356	23850214	Gmdrm	hypo	CHH	-0.0267
Gm06	23851702	23852700	Gmdrm	hypo	CHH	-0.014
Gm06	23861064	23861990	Gmdrm	hypo	CHH	-0.0302
Gm06	23862315	23863263	Gmdrm	hypo	CHH	-0.0166
Gm06	23864686	23865667	Gmdrm	hypo	CHH	-0.166
Gm06	23874723	23875721	Gmdrm	hypo	CHH	-0.0112
Gm06	23877751	23878725	Gmdrm	hypo	CHH	-0.0548

Gm06	23882120	23883103	Gmdrm	hypo	CHH	-0.0309
Gm06	24075997	24076948	Gmdrm	hypo	CHH	-0.0192
Gm06	24079026	24080014	Gmdrm	hypo	CHH	-0.0504
Gm06	24123983	24124687	Gmdrm	hypo	CHH	-0.1108
Gm06	24135606	24136539	Gmdrm	hypo	CHH	-0.024
Gm06	24137686	24138680	Gmdrm	hypo	CHH	-0.0966
Gm06	24303872	24303973	Gmdrm	hypo	CHH	-0.1116
Gm06	24325114	24325231	Gmdrm	hypo	CHH	-0.2079
Gm06	24375427	24376337	Gmdrm	hypo	CHH	-0.025
Gm06	24557061	24557226	Gmdrm	hypo	CHH	-0.1404
Gm06	24618320	24618838	Gmdrm	hypo	CHH	-0.0139
Gm06	24623321	24624319	Gmdrm	hypo	CHH	-0.044
Gm06	24624323	24625242	Gmdrm	hypo	CHH	-0.0546
Gm06	24630581	24631571	Gmdrm	hypo	CHH	-0.0603
Gm06	24993490	24994483	Gmdrm	hypo	CHH	-0.0232
Gm06	25046586	25047559	Gmdrm	hypo	CHH	-0.0192
Gm06	25070225	25070732	Gmdrm	hypo	CHH	-0.0553
Gm06	25122587	25123571	Gmdrm	hypo	CHH	-0.051
Gm06	25124602	25125598	Gmdrm	hypo	CHH	-0.1016
Gm06	25386185	25387023	Gmdrm	hypo	CHH	-0.0638
Gm06	25491860	25492856	Gmdrm	hypo	CHH	-0.0488
Gm06	25574112	25575076	Gmdrm	hypo	CHH	-0.0127
Gm06	25593710	25594684	Gmdrm	hypo	CHH	-0.0652
Gm06	25831117	25831160	Gmdrm	hypo	CHH	-0.28
Gm06	26014159	26014186	Gmdrm	hypo	CHH	-0.184
Gm06	26016428	26016977	Gmdrm	hypo	CHH	-0.0439
Gm06	26066080	26066135	Gmdrm	hypo	CHH	-0.2
Gm06	26079364	26080352	Gmdrm	hypo	CHH	-0.0202
Gm06	26080373	26081350	Gmdrm	hypo	CHH	-0.0896
Gm06	26275350	26275647	Gmdrm	hypo	CHH	-0.0279
Gm06	26275756	26276754	Gmdrm	hypo	CHH	-0.0799
Gm06	26276768	26277742	Gmdrm	hypo	CHH	-0.0465
Gm06	26344086	26344291	Gmdrm	hypo	CHH	-0.1315
Gm06	26344430	26345407	Gmdrm	hypo	CHH	-0.0884
Gm06	26538311	26539306	Gmdrm	hypo	CHH	-0.0319
Gm06	27064190	27065186	Gmdrm	hypo	CHH	-0.1928
Gm06	27068702	27069690	Gmdrm	hypo	CHH	-0.0457
Gm06	27069765	27070765	Gmdrm	hypo	CHH	-0.0747
Gm06	27070767	27071422	Gmdrm	hypo	CHH	-0.1459
Gm06	27071763	27072757	Gmdrm	hypo	CHH	-0.0197
Gm06	27075852	27076159	Gmdrm	hypo	CHH	-0.0711
Gm06	27136203	27136608	Gmdrm	hypo	CHH	-0.1403
Gm06	27423856	27424821	Gmdrm	hypo	CHH	-0.076
Gm06	27427683	27428682	Gmdrm	hypo	CHH	-0.1054
Gm06	27428687	27429284	Gmdrm	hypo	CHH	-0.1665
Gm06	27508073	27508094	Gmdrm	hypo	CHH	-0.258

Gm06	27544872	27545664	Gmdrm	hypo	CHH	-0.0135
Gm06	28047603	28047929	Gmdrm	hypo	CHH	-0.0579
Gm06	28117589	28117737	Gmdrm	hypo	CHH	-0.14
Gm06	28120255	28120451	Gmdrm	hypo	CHH	-0.039
Gm06	28192887	28192942	Gmdrm	hypo	CHH	-0.1367
Gm06	28380168	28380273	Gmdrm	hypo	CHH	-0.1
Gm06	28414935	28415935	Gmdrm	hypo	CHH	-0.0662
Gm06	28415936	28416900	Gmdrm	hypo	CHH	-0.0331
Gm06	28420979	28421964	Gmdrm	hypo	CHH	-0.1248
Gm06	28421989	28422983	Gmdrm	hypo	CHH	-0.0561
Gm06	28450512	28451502	Gmdrm	hypo	CHH	-0.0253
Gm06	28459545	28460539	Gmdrm	hypo	CHH	-0.0216
Gm06	28476661	28476685	Gmdrm	hypo	CHH	-0.25
Gm06	28498310	28499291	Gmdrm	hypo	CHH	-0.1048
Gm06	28499313	28500298	Gmdrm	hypo	CHH	-0.1194
Gm06	28500369	28500814	Gmdrm	hypo	CHH	-0.0361
Gm06	28536045	28537022	Gmdrm	hypo	CHH	-0.0549
Gm06	28545171	28546168	Gmdrm	hypo	CHH	-0.1262
Gm06	28609708	28610665	Gmdrm	hypo	CHH	-0.0873
Gm06	28627066	28628066	Gmdrm	hypo	CHH	-0.0754
Gm06	28705017	28705998	Gmdrm	hypo	CHH	-0.2375
Gm06	28710918	28711918	Gmdrm	hypo	CHH	-0.0247
Gm06	28731771	28732771	Gmdrm	hypo	CHH	-0.0426
Gm06	28732777	28733777	Gmdrm	hypo	CHH	-0.0303
Gm06	28740677	28741676	Gmdrm	hypo	CHH	-0.0996
Gm06	28741678	28742648	Gmdrm	hypo	CHH	-0.0881
Gm06	28766729	28767706	Gmdrm	hypo	CHH	-0.0749
Gm06	28768993	28769918	Gmdrm	hypo	CHH	-0.0346
Gm06	28806922	28807909	Gmdrm	hypo	CHH	-0.1427
Gm06	28811818	28812817	Gmdrm	hypo	CHH	-0.0468
Gm06	28812819	28813808	Gmdrm	hypo	CHH	-0.0268
Gm06	28840774	28841756	Gmdrm	hypo	CHH	-0.0329
Gm06	28841830	28842824	Gmdrm	hypo	CHH	-0.0201
Gm06	28842833	28843237	Gmdrm	hypo	CHH	-0.1897
Gm06	28849729	28850507	Gmdrm	hypo	CHH	-0.0498
Gm06	28867742	28868721	Gmdrm	hypo	CHH	-0.041
Gm06	28958062	28958241	Gmdrm	hypo	CHH	-0.2322
Gm06	28958344	28959065	Gmdrm	hypo	CHH	-0.1141
Gm06	28960832	28961817	Gmdrm	hypo	CHH	-0.0421
Gm06	29084591	29085573	Gmdrm	hypo	CHH	-0.0216
Gm06	29085594	29086587	Gmdrm	hypo	CHH	-0.0134
Gm06	29121892	29122891	Gmdrm	hypo	CHH	-0.2787
Gm06	29148654	29149645	Gmdrm	hypo	CHH	-0.0346
Gm06	29151458	29152458	Gmdrm	hypo	CHH	-0.0132
Gm06	29160180	29160886	Gmdrm	hypo	CHH	-0.0737
Gm06	29170013	29170966	Gmdrm	hypo	CHH	-0.0199

Gm06	29173177	29174176 Gmdrm	hypo	CHH	-0.0319
Gm06	29174179	29175178 Gmdrm	hypo	CHH	-0.0965
Gm06	29175192	29176186 Gmdrm	hypo	CHH	-0.0367
Gm06	29204853	29205847 Gmdrm	hypo	CHH	-0.0656
Gm06	29207873	29208119 Gmdrm	hypo	CHH	-0.0934
Gm06	29209422	29210283 Gmdrm	hypo	CHH	-0.021
Gm06	29210674	29211666 Gmdrm	hypo	CHH	-0.0565
Gm06	29211684	29212684 Gmdrm	hypo	CHH	-0.0468
Gm06	29240411	29241403 Gmdrm	hypo	CHH	-0.0634
Gm06	29241415	29242408 Gmdrm	hypo	CHH	-0.2058
Gm06	29242428	29243422 Gmdrm	hypo	CHH	-0.0191
Gm06	29254473	29255458 Gmdrm	hypo	CHH	-0.0159
Gm06	29280057	29281053 Gmdrm	hypo	CHH	-0.1605
Gm06	29313193	29314176 Gmdrm	hypo	CHH	-0.0158
Gm06	29319548	29320547 Gmdrm	hypo	CHH	-0.2378
Gm06	29378015	29379001 Gmdrm	hypo	CHH	-0.0364
Gm06	29380105	29381105 Gmdrm	hypo	CHH	-0.1553
Gm06	29381106	29382088 Gmdrm	hypo	CHH	-0.1286
Gm06	29383123	29384104 Gmdrm	hypo	CHH	-0.0462
Gm06	29428551	29429550 Gmdrm	hypo	CHH	-0.0293
Gm06	29429553	29429871 Gmdrm	hypo	CHH	-0.0558
Gm06	29438045	29439039 Gmdrm	hypo	CHH	-0.0727
Gm06	29439057	29439816 Gmdrm	hypo	CHH	-0.122
Gm06	29444534	29445508 Gmdrm	hypo	CHH	-0.0273
Gm06	29531821	29531907 Gmdrm	hypo	CHH	-0.2058
Gm06	29922325	29923325 Gmdrm	hypo	CHH	-0.0161
Gm06	29923338	29924238 Gmdrm	hypo	CHH	-0.0183
Gm06	29925864	29926862 Gmdrm	hypo	CHH	-0.0421
Gm06	29931306	29932301 Gmdrm	hypo	CHH	-0.0795
Gm06	29932315	29933314 Gmdrm	hypo	CHH	-0.0144
Gm06	29957491	29958456 Gmdrm	hypo	CHH	-0.038
Gm06	30083218	30083672 Gmdrm	hypo	CHH	-0.1015
Gm06	30156416	30157390 Gmdrm	hypo	CHH	-0.016
Gm06	30161025	30161641 Gmdrm	hypo	CHH	-0.0382
Gm06	30204979	30205975 Gmdrm	hypo	CHH	-0.1383
Gm06	30205981	30206958 Gmdrm	hypo	CHH	-0.0862
Gm06	30206984	30207983 Gmdrm	hypo	CHH	-0.268
Gm06	30239943	30240922 Gmdrm	hypo	CHH	-0.047
Gm06	30240986	30241661 Gmdrm	hypo	CHH	-0.0728
Gm06	30388549	30389544 Gmdrm	hypo	CHH	-0.0304
Gm06	30425454	30425520 Gmdrm	hypo	CHH	-0.192
Gm06	30637245	30638211 Gmdrm	hypo	CHH	-0.2717
Gm06	30638269	30639260 Gmdrm	hypo	CHH	-0.052
Gm06	30640283	30641274 Gmdrm	hypo	CHH	-0.0516
Gm06	30724520	30725508 Gmdrm	hypo	CHH	-0.0209
Gm06	30727554	30728036 Gmdrm	hypo	CHH	-0.0626

Gm06	30730591	30731257	Gmdrm	hypo	CHH	-0.0346
Gm06	30760451	30761449	Gmdrm	hypo	CHH	-0.0781
Gm06	30764170	30765148	Gmdrm	hypo	CHH	-0.0333
Gm06	30858915	30859394	Gmdrm	hypo	CHH	-0.0265
Gm06	31079268	31080262	Gmdrm	hypo	CHH	-0.053
Gm06	31167796	31168650	Gmdrm	hypo	CHH	-0.0378
Gm06	31186528	31187524	Gmdrm	hypo	CHH	-0.0157
Gm06	31254002	31254889	Gmdrm	hypo	CHH	-0.0628
Gm06	31577207	31578206	Gmdrm	hypo	CHH	-0.0756
Gm06	31581376	31581739	Gmdrm	hypo	CHH	-0.0845
Gm06	31607729	31608191	Gmdrm	hypo	CHH	-0.0822
Gm06	31609023	31610008	Gmdrm	hypo	CHH	-0.0401
Gm06	31612870	31613869	Gmdrm	hypo	CHH	-0.0302
Gm06	31620969	31621533	Gmdrm	hypo	CHH	-0.0394
Gm06	31642580	31642767	Gmdrm	hypo	CHH	-0.0784
Gm06	31648160	31648342	Gmdrm	hypo	CHH	-0.1825
Gm06	31653430	31653671	Gmdrm	hypo	CHH	-0.06
Gm06	31660445	31660507	Gmdrm	hypo	CHH	-0.116
Gm06	31660669	31660761	Gmdrm	hypo	CHH	-0.0444
Gm06	31711114	31711315	Gmdrm	hypo	CHH	-0.0988
Gm06	31722350	31723144	Gmdrm	hypo	CHH	-0.0639
Gm06	31724383	31724614	Gmdrm	hypo	CHH	-0.1454
Gm06	31725168	31725680	Gmdrm	hypo	CHH	-0.0342
Gm06	31747422	31747821	Gmdrm	hypo	CHH	-0.0781
Gm06	31749838	31750451	Gmdrm	hypo	CHH	-0.0291
Gm06	31757316	31757734	Gmdrm	hypo	CHH	-0.1456
Gm06	31761412	31761619	Gmdrm	hypo	CHH	-0.0793
Gm06	31764239	31764337	Gmdrm	hypo	CHH	-0.0633
Gm06	31764905	31765871	Gmdrm	hypo	CHH	-0.0493
Gm06	32191501	32192499	Gmdrm	hypo	CHH	-0.0873
Gm06	32192504	32192740	Gmdrm	hypo	CHH	-0.0528
Gm06	32192940	32193901	Gmdrm	hypo	CHH	-0.0387
Gm06	32241914	32242848	Gmdrm	hypo	CHH	-0.0284
Gm06	32243881	32244563	Gmdrm	hypo	CHH	-0.0323
Gm06	32251261	32252223	Gmdrm	hypo	CHH	-0.0442
Gm06	32279048	32280003	Gmdrm	hypo	CHH	-0.0417
Gm06	32283063	32283397	Gmdrm	hypo	CHH	-0.08
Gm06	32365091	32366083	Gmdrm	hypo	CHH	-0.0734
Gm06	32374424	32375422	Gmdrm	hypo	CHH	-0.0654
Gm06	32575129	32575178	Gmdrm	hypo	CHH	-0.235
Gm06	33089429	33089453	Gmdrm	hypo	CHH	-0.292
Gm06	33531084	33532078	Gmdrm	hypo	CHH	-0.0174
Gm06	33546423	33546715	Gmdrm	hypo	CHH	-0.1241
Gm06	33590786	33591786	Gmdrm	hypo	CHH	-0.0246
Gm06	33594832	33594895	Gmdrm	hypo	CHH	-0.0533
Gm06	33817773	33818759	Gmdrm	hypo	CHH	-0.0821

Gm06	33822828	33823811	Gmdrm	hypo	CHH	-0.0438
Gm06	33824847	33825816	Gmdrm	hypo	CHH	-0.0366
Gm06	33827482	33827973	Gmdrm	hypo	CHH	-0.039
Gm06	33834429	33835118	Gmdrm	hypo	CHH	-0.0771
Gm06	33863454	33863539	Gmdrm	hypo	CHH	-0.2116
Gm06	33869697	33870690	Gmdrm	hypo	CHH	-0.0647
Gm06	33878032	33879032	Gmdrm	hypo	CHH	-0.0302
Gm06	33879040	33879538	Gmdrm	hypo	CHH	-0.0333
Gm06	33889750	33890747	Gmdrm	hypo	CHH	-0.0427
Gm06	33890752	33891751	Gmdrm	hypo	CHH	-0.0702
Gm06	33891775	33891835	Gmdrm	hypo	CHH	-0.038
Gm06	33906828	33907824	Gmdrm	hypo	CHH	-0.0647
Gm06	33907832	33908804	Gmdrm	hypo	CHH	-0.0487
Gm06	33920282	33920468	Gmdrm	hypo	CHH	-0.2325
Gm06	33958334	33958644	Gmdrm	hypo	CHH	-0.0404
Gm06	34067349	34067646	Gmdrm	hypo	CHH	-0.0904
Gm06	34119842	34120169	Gmdrm	hypo	CHH	-0.0494
Gm06	34128107	34128968	Gmdrm	hypo	CHH	-0.0369
Gm06	34129290	34129462	Gmdrm	hypo	CHH	-0.0446
Gm06	34132840	34133800	Gmdrm	hypo	CHH	-0.0214
Gm06	34147685	34148680	Gmdrm	hypo	CHH	-0.0415
Gm06	34161446	34162445	Gmdrm	hypo	CHH	-0.0486
Gm06	34162447	34163434	Gmdrm	hypo	CHH	-0.0429
Gm06	34265644	34266535	Gmdrm	hypo	CHH	-0.027
Gm06	34267649	34268624	Gmdrm	hypo	CHH	-0.0188
Gm06	34275334	34276331	Gmdrm	hypo	CHH	-0.0167
Gm06	34303447	34304426	Gmdrm	hypo	CHH	-0.0438
Gm06	34304493	34305491	Gmdrm	hypo	CHH	-0.0134
Gm06	34305506	34306499	Gmdrm	hypo	CHH	-0.0384
Gm06	34309572	34310553	Gmdrm	hypo	CHH	-0.0302
Gm06	34311581	34312565	Gmdrm	hypo	CHH	-0.0134
Gm06	34312589	34313451	Gmdrm	hypo	CHH	-0.0199
Gm06	34319117	34320116	Gmdrm	hypo	CHH	-0.0889
Gm06	34322131	34323131	Gmdrm	hypo	CHH	-0.0435
Gm06	34323140	34324081	Gmdrm	hypo	CHH	-0.1037
Gm06	34324156	34325151	Gmdrm	hypo	CHH	-0.0117
Gm06	34326201	34327200	Gmdrm	hypo	CHH	-0.1049
Gm06	34327207	34328207	Gmdrm	hypo	CHH	-0.069
Gm06	34330293	34331290	Gmdrm	hypo	CHH	-0.0329
Gm06	34363571	34364566	Gmdrm	hypo	CHH	-0.0255
Gm06	34437190	34438179	Gmdrm	hypo	CHH	-0.02
Gm06	34617072	34617424	Gmdrm	hypo	CHH	-0.0486
Gm06	34666072	34666355	Gmdrm	hypo	CHH	-0.2974
Gm06	34666940	34667930	Gmdrm	hypo	CHH	-0.1412
Gm06	34670973	34671758	Gmdrm	hypo	CHH	-0.0516
Gm06	34679926	34680878	Gmdrm	hypo	CHH	-0.0125

Gm06	34685154	34686152	Gmdrm	hypo	CHH	-0.0251
Gm06	34687158	34688144	Gmdrm	hypo	CHH	-0.0347
Gm06	34690478	34691452	Gmdrm	hypo	CHH	-0.012
Gm06	34737644	34737762	Gmdrm	hypo	CHH	-0.056
Gm06	34742352	34743348	Gmdrm	hypo	CHH	-0.0319
Gm06	34929543	34930534	Gmdrm	hypo	CHH	-0.0221
Gm06	34931663	34932548	Gmdrm	hypo	CHH	-0.0268
Gm06	35109248	35110197	Gmdrm	hypo	CHH	-0.0544
Gm06	35111463	35112452	Gmdrm	hypo	CHH	-0.0421
Gm06	35114413	35115345	Gmdrm	hypo	CHH	-0.0215
Gm06	35115967	35116947	Gmdrm	hypo	CHH	-0.0468
Gm06	35118076	35119073	Gmdrm	hypo	CHH	-0.0179
Gm06	35122689	35123684	Gmdrm	hypo	CHH	-0.0646
Gm06	35209613	35209829	Gmdrm	hypo	CHH	-0.1325
Gm06	35243674	35244674	Gmdrm	hypo	CHH	-0.0231
Gm06	35246727	35247726	Gmdrm	hypo	CHH	-0.1386
Gm06	35247728	35248399	Gmdrm	hypo	CHH	-0.025
Gm06	35271483	35272452	Gmdrm	hypo	CHH	-0.0209
Gm06	35337236	35337997	Gmdrm	hypo	CHH	-0.194
Gm06	35338387	35339378	Gmdrm	hypo	CHH	-0.0246
Gm06	35339411	35340406	Gmdrm	hypo	CHH	-0.1973
Gm06	35340414	35341412	Gmdrm	hypo	CHH	-0.0225
Gm06	35341418	35342412	Gmdrm	hypo	CHH	-0.0253
Gm06	35368808	35369807	Gmdrm	hypo	CHH	-0.0354
Gm06	35369809	35370778	Gmdrm	hypo	CHH	-0.0397
Gm06	35370841	35371835	Gmdrm	hypo	CHH	-0.1041
Gm06	35371845	35372735	Gmdrm	hypo	CHH	-0.0241
Gm06	35387113	35388109	Gmdrm	hypo	CHH	-0.0544
Gm06	35389133	35390105	Gmdrm	hypo	CHH	-0.0172
Gm06	35393711	35394082	Gmdrm	hypo	CHH	-0.0635
Gm06	35394189	35394779	Gmdrm	hypo	CHH	-0.1337
Gm06	35422674	35423674	Gmdrm	hypo	CHH	-0.0309
Gm06	35430397	35431379	Gmdrm	hypo	CHH	-0.0654
Gm06	35432712	35433709	Gmdrm	hypo	CHH	-0.0187
Gm06	35457140	35458140	Gmdrm	hypo	CHH	-0.0151
Gm06	35477507	35478504	Gmdrm	hypo	CHH	-0.018
Gm06	35479715	35479806	Gmdrm	hypo	CHH	-0.06
Gm06	35483584	35484544	Gmdrm	hypo	CHH	-0.0363
Gm06	35484609	35485609	Gmdrm	hypo	CHH	-0.0353
Gm06	35485636	35486632	Gmdrm	hypo	CHH	-0.0303
Gm06	35486642	35487614	Gmdrm	hypo	CHH	-0.0299
Gm06	35488693	35489682	Gmdrm	hypo	CHH	-0.0684
Gm06	35523692	35524630	Gmdrm	hypo	CHH	-0.0474
Gm06	35624030	35625007	Gmdrm	hypo	CHH	-0.0665
Gm06	35628069	35628188	Gmdrm	hypo	CHH	-0.06
Gm06	35641175	35642174	Gmdrm	hypo	CHH	-0.1314

Gm06	35709770	35710734	Gmdrm	hypo	CHH	-0.0501
Gm06	35710781	35710976	Gmdrm	hypo	CHH	-0.1185
Gm06	35775935	35776931	Gmdrm	hypo	CHH	-0.0194
Gm06	35795057	35796054	Gmdrm	hypo	CHH	-0.0175
Gm06	35797604	35798593	Gmdrm	hypo	CHH	-0.0243
Gm06	35800812	35801787	Gmdrm	hypo	CHH	-0.0741
Gm06	35836613	35837602	Gmdrm	hypo	CHH	-0.0276
Gm06	35845560	35846557	Gmdrm	hypo	CHH	-0.0424
Gm06	36030492	36031470	Gmdrm	hypo	CHH	-0.0357
Gm06	36031499	36032489	Gmdrm	hypo	CHH	-0.082
Gm06	36033723	36034703	Gmdrm	hypo	CHH	-0.1491
Gm06	36037327	36038129	Gmdrm	hypo	CHH	-0.049
Gm06	36040550	36041546	Gmdrm	hypo	CHH	-0.0432
Gm06	36070479	36071466	Gmdrm	hypo	CHH	-0.0185
Gm06	36074562	36075542	Gmdrm	hypo	CHH	-0.1667
Gm06	36080592	36081299	Gmdrm	hypo	CHH	-0.116
Gm06	36081419	36081572	Gmdrm	hypo	CHH	-0.075
Gm06	36086157	36086560	Gmdrm	hypo	CHH	-0.0242
Gm06	36091997	36092987	Gmdrm	hypo	CHH	-0.012
Gm06	36096156	36097153	Gmdrm	hypo	CHH	-0.1208
Gm06	36097157	36098142	Gmdrm	hypo	CHH	-0.0566
Gm06	36194351	36195344	Gmdrm	hypo	CHH	-0.0543
Gm06	36195352	36196336	Gmdrm	hypo	CHH	-0.1009
Gm06	36324193	36325186	Gmdrm	hypo	CHH	-0.013
Gm06	36394662	36395659	Gmdrm	hypo	CHH	-0.0512
Gm06	36406542	36407509	Gmdrm	hypo	CHH	-0.0312
Gm06	36657577	36658559	Gmdrm	hypo	CHH	-0.0412
Gm06	36681430	36682420	Gmdrm	hypo	CHH	-0.1279
Gm06	36692571	36693152	Gmdrm	hypo	CHH	-0.0481
Gm06	36703523	36703687	Gmdrm	hypo	CHH	-0.0612
Gm06	36817826	36818051	Gmdrm	hypo	CHH	-0.03
Gm06	36822813	36823812	Gmdrm	hypo	CHH	-0.0117
Gm06	36823815	36824804	Gmdrm	hypo	CHH	-0.0121
Gm06	36824822	36825821	Gmdrm	hypo	CHH	-0.0756
Gm06	36825823	36826820	Gmdrm	hypo	CHH	-0.015
Gm06	36833477	36834471	Gmdrm	hypo	CHH	-0.0284
Gm06	36851390	36852369	Gmdrm	hypo	CHH	-0.0066
Gm06	36875191	36876190	Gmdrm	hypo	CHH	-0.0437
Gm06	36876192	36877188	Gmdrm	hypo	CHH	-0.0375
Gm06	36877199	36877914	Gmdrm	hypo	CHH	-0.1017
Gm06	36892215	36893215	Gmdrm	hypo	CHH	-0.124
Gm06	36893265	36893487	Gmdrm	hypo	CHH	-0.1283
Gm06	36901005	36902005	Gmdrm	hypo	CHH	-0.0438
Gm06	36902011	36902661	Gmdrm	hypo	CHH	-0.0311
Gm06	36922547	36923537	Gmdrm	hypo	CHH	-0.0364
Gm06	36925695	36926692	Gmdrm	hypo	CHH	-0.025

Gm06	36926698	36927136	Gmdrm	hypo	CHH	-0.0731
Gm06	36961990	36962983	Gmdrm	hypo	CHH	-0.017
Gm06	36969905	36970905	Gmdrm	hypo	CHH	-0.0418
Gm06	36970914	36971773	Gmdrm	hypo	CHH	-0.086
Gm06	36972913	36973907	Gmdrm	hypo	CHH	-0.0113
Gm06	36975954	36976944	Gmdrm	hypo	CHH	-0.0461
Gm06	36976955	36977955	Gmdrm	hypo	CHH	-0.0201
Gm06	36978680	36979641	Gmdrm	hypo	CHH	-0.0589
Gm06	37002171	37003168	Gmdrm	hypo	CHH	-0.0444
Gm06	37003172	37003444	Gmdrm	hypo	CHH	-0.0593
Gm06	37004242	37005086	Gmdrm	hypo	CHH	-0.0274
Gm06	37006243	37007237	Gmdrm	hypo	CHH	-0.0795
Gm06	37020401	37021394	Gmdrm	hypo	CHH	-0.0411
Gm06	37026454	37027440	Gmdrm	hypo	CHH	-0.0178
Gm06	37031513	37032488	Gmdrm	hypo	CHH	-0.0148
Gm06	37032573	37033163	Gmdrm	hypo	CHH	-0.2938
Gm06	37037422	37038422	Gmdrm	hypo	CHH	-0.0304
Gm06	37153132	37154122	Gmdrm	hypo	CHH	-0.0685
Gm06	37165342	37166340	Gmdrm	hypo	CHH	-0.0178
Gm06	37166354	37167353	Gmdrm	hypo	CHH	-0.0381
Gm06	37167355	37168217	Gmdrm	hypo	CHH	-0.0439
Gm06	37411382	37412330	Gmdrm	hypo	CHH	-0.07
Gm06	37436580	37437572	Gmdrm	hypo	CHH	-0.0332
Gm06	37444368	37445354	Gmdrm	hypo	CHH	-0.012
Gm06	37487548	37487774	Gmdrm	hypo	CHH	-0.0395
Gm06	37488905	37489553	Gmdrm	hypo	CHH	-0.0216
Gm06	37493599	37494592	Gmdrm	hypo	CHH	-0.1094
Gm06	37494600	37495596	Gmdrm	hypo	CHH	-0.0901
Gm06	37507528	37508527	Gmdrm	hypo	CHH	-0.0246
Gm06	37567563	37568560	Gmdrm	hypo	CHH	-0.0301
Gm06	37596710	37597708	Gmdrm	hypo	CHH	-0.1342
Gm06	37602794	37603792	Gmdrm	hypo	CHH	-0.0174
Gm06	37607591	37608571	Gmdrm	hypo	CHH	-0.1462
Gm06	37666706	37666807	Gmdrm	hypo	CHH	-0.064
Gm06	37675076	37676075	Gmdrm	hypo	CHH	-0.303
Gm06	37687505	37688499	Gmdrm	hypo	CHH	-0.092
Gm06	37688512	37689502	Gmdrm	hypo	CHH	-0.0824
Gm06	37689568	37690518	Gmdrm	hypo	CHH	-0.0185
Gm06	37690587	37691552	Gmdrm	hypo	CHH	-0.0229
Gm06	37696968	37697950	Gmdrm	hypo	CHH	-0.0248
Gm06	37702782	37703766	Gmdrm	hypo	CHH	-0.0367
Gm06	37705160	37706159	Gmdrm	hypo	CHH	-0.0542
Gm06	37718240	37719226	Gmdrm	hypo	CHH	-0.1933
Gm06	37730853	37731541	Gmdrm	hypo	CHH	-0.2016
Gm06	37741038	37742034	Gmdrm	hypo	CHH	-0.0193
Gm06	37803879	37804878	Gmdrm	hypo	CHH	-0.0827

Gm06	37837072	37838069	Gmdrm	hypo	CHH	-0.0558
Gm06	37840145	37840648	Gmdrm	hypo	CHH	-0.015
Gm06	37849391	37850380	Gmdrm	hypo	CHH	-0.0358
Gm06	37854127	37855126	Gmdrm	hypo	CHH	-0.0401
Gm06	37858163	37859133	Gmdrm	hypo	CHH	-0.042
Gm06	37861075	37862070	Gmdrm	hypo	CHH	-0.0253
Gm06	37885590	37886584	Gmdrm	hypo	CHH	-0.1846
Gm06	37886591	37887582	Gmdrm	hypo	CHH	-0.0137
Gm06	37889632	37890620	Gmdrm	hypo	CHH	-0.1245
Gm06	38014546	38015546	Gmdrm	hypo	CHH	-0.0252
Gm06	38015558	38016554	Gmdrm	hypo	CHH	-0.0133
Gm06	38016562	38017554	Gmdrm	hypo	CHH	-0.0418
Gm06	38017564	38018525	Gmdrm	hypo	CHH	-0.0447
Gm06	38018577	38019414	Gmdrm	hypo	CHH	-0.0456
Gm06	38025854	38026406	Gmdrm	hypo	CHH	-0.0285
Gm06	38029395	38030389	Gmdrm	hypo	CHH	-0.0224
Gm06	38042613	38043011	Gmdrm	hypo	CHH	-0.038
Gm06	38043155	38043665	Gmdrm	hypo	CHH	-0.1016
Gm06	38049781	38049890	Gmdrm	hypo	CHH	-0.188
Gm06	38050022	38051008	Gmdrm	hypo	CHH	-0.0646
Gm06	38052518	38053455	Gmdrm	hypo	CHH	-0.1115
Gm06	38056243	38056688	Gmdrm	hypo	CHH	-0.0465
Gm06	38071583	38071901	Gmdrm	hypo	CHH	-0.0311
Gm06	38073310	38074299	Gmdrm	hypo	CHH	-0.0185
Gm06	38082174	38082248	Gmdrm	hypo	CHH	-0.076
Gm06	38085236	38085836	Gmdrm	hypo	CHH	-0.0819
Gm06	38124779	38125263	Gmdrm	hypo	CHH	-0.0526
Gm06	38127141	38128121	Gmdrm	hypo	CHH	-0.0681
Gm06	38128803	38129783	Gmdrm	hypo	CHH	-0.0546
Gm06	38133141	38134115	Gmdrm	hypo	CHH	-0.01
Gm06	38148123	38149097	Gmdrm	hypo	CHH	-0.0426
Gm06	38161448	38162440	Gmdrm	hypo	CHH	-0.0187
Gm06	38166538	38167538	Gmdrm	hypo	CHH	-0.083
Gm06	38167559	38168559	Gmdrm	hypo	CHH	-0.0554
Gm06	38185227	38185716	Gmdrm	hypo	CHH	-0.0927
Gm06	38204513	38205503	Gmdrm	hypo	CHH	-0.0205
Gm06	38214891	38215886	Gmdrm	hypo	CHH	-0.0557
Gm06	38215895	38216889	Gmdrm	hypo	CHH	-0.0701
Gm06	38216898	38217889	Gmdrm	hypo	CHH	-0.0353
Gm06	38217918	38218881	Gmdrm	hypo	CHH	-0.0321
Gm06	38222894	38223892	Gmdrm	hypo	CHH	-0.0313
Gm06	38226105	38226708	Gmdrm	hypo	CHH	-0.1218
Gm06	38251321	38252285	Gmdrm	hypo	CHH	-0.1338
Gm06	38252334	38253311	Gmdrm	hypo	CHH	-0.0692
Gm06	38290499	38291484	Gmdrm	hypo	CHH	-0.1029
Gm06	38294244	38295240	Gmdrm	hypo	CHH	-0.0187

Gm06	38301127	38302111	Gmdrm	hypo	CHH	-0.0187
Gm06	38304165	38305163	Gmdrm	hypo	CHH	-0.0618
Gm06	38305168	38306163	Gmdrm	hypo	CHH	-0.0255
Gm06	38306189	38307177	Gmdrm	hypo	CHH	-0.2833
Gm06	38308521	38309516	Gmdrm	hypo	CHH	-0.1525
Gm06	38309523	38310520	Gmdrm	hypo	CHH	-0.0236
Gm06	38321823	38322819	Gmdrm	hypo	CHH	-0.0379
Gm06	38322833	38323819	Gmdrm	hypo	CHH	-0.0387
Gm06	38332818	38333810	Gmdrm	hypo	CHH	-0.0644
Gm06	38352449	38353446	Gmdrm	hypo	CHH	-0.0265
Gm06	38362362	38363351	Gmdrm	hypo	CHH	-0.0821
Gm06	38363374	38364373	Gmdrm	hypo	CHH	-0.0917
Gm06	38381939	38382288	Gmdrm	hypo	CHH	-0.018
Gm06	38386103	38387100	Gmdrm	hypo	CHH	-0.034
Gm06	38394167	38395153	Gmdrm	hypo	CHH	-0.0702
Gm06	38400804	38401793	Gmdrm	hypo	CHH	-0.0648
Gm06	38403835	38404827	Gmdrm	hypo	CHH	-0.0309
Gm06	38404837	38405813	Gmdrm	hypo	CHH	-0.0761
Gm06	38423439	38424430	Gmdrm	hypo	CHH	-0.1388
Gm06	38425447	38426446	Gmdrm	hypo	CHH	-0.0203
Gm06	38426450	38427442	Gmdrm	hypo	CHH	-0.1785
Gm06	38429144	38429635	Gmdrm	hypo	CHH	-0.0328
Gm06	38429736	38430721	Gmdrm	hypo	CHH	-0.0204
Gm06	38506840	38507627	Gmdrm	hypo	CHH	-0.1818
Gm06	38509155	38509528	Gmdrm	hypo	CHH	-0.2607
Gm06	38520871	38521871	Gmdrm	hypo	CHH	-0.048
Gm06	38565956	38566954	Gmdrm	hypo	CHH	-0.0309
Gm06	38568713	38569699	Gmdrm	hypo	CHH	-0.2646
Gm06	38612057	38612620	Gmdrm	hypo	CHH	-0.0332
Gm06	38629129	38629482	Gmdrm	hypo	CHH	-0.0743
Gm06	38640015	38641001	Gmdrm	hypo	CHH	-0.038
Gm06	38642053	38642983	Gmdrm	hypo	CHH	-0.0419
Gm06	38643056	38644022	Gmdrm	hypo	CHH	-0.0532
Gm06	38674644	38675637	Gmdrm	hypo	CHH	-0.1768
Gm06	38694735	38695728	Gmdrm	hypo	CHH	-0.06
Gm06	38722135	38722349	Gmdrm	hypo	CHH	-0.1766
Gm06	38729544	38730543	Gmdrm	hypo	CHH	-0.0573
Gm06	38753361	38754334	Gmdrm	hypo	CHH	-0.034
Gm06	38755375	38755654	Gmdrm	hypo	CHH	-0.0531
Gm06	38756105	38757102	Gmdrm	hypo	CHH	-0.0158
Gm06	38803120	38803510	Gmdrm	hypo	CHH	-0.0392
Gm06	38803622	38804607	Gmdrm	hypo	CHH	-0.0207
Gm06	38805632	38806629	Gmdrm	hypo	CHH	-0.0246
Gm06	38806634	38807036	Gmdrm	hypo	CHH	-0.0661
Gm06	38813557	38814536	Gmdrm	hypo	CHH	-0.0378
Gm06	38848008	38849006	Gmdrm	hypo	CHH	-0.0402

Gm06	38887749	38888748	Gmdrm	hypo	CHH	-0.0201
Gm06	38930195	38931155	Gmdrm	hypo	CHH	-0.0141
Gm06	38952961	38953957	Gmdrm	hypo	CHH	-0.0632
Gm06	38954966	38955966	Gmdrm	hypo	CHH	-0.0338
Gm06	38981077	38981899	Gmdrm	hypo	CHH	-0.0156
Gm06	38985400	38986043	Gmdrm	hypo	CHH	-0.043
Gm06	38994089	38994436	Gmdrm	hypo	CHH	-0.0397
Gm06	39004545	39005523	Gmdrm	hypo	CHH	-0.0436
Gm06	39005568	39006562	Gmdrm	hypo	CHH	-0.1256
Gm06	39006582	39007574	Gmdrm	hypo	CHH	-0.152
Gm06	39007594	39008589	Gmdrm	hypo	CHH	-0.0892
Gm06	39008597	39008962	Gmdrm	hypo	CHH	-0.1041
Gm06	39014068	39015068	Gmdrm	hypo	CHH	-0.1979
Gm06	39022806	39023801	Gmdrm	hypo	CHH	-0.0249
Gm06	39023818	39024815	Gmdrm	hypo	CHH	-0.0402
Gm06	39024825	39025812	Gmdrm	hypo	CHH	-0.0673
Gm06	39026252	39026410	Gmdrm	hypo	CHH	-0.0628
Gm06	39026658	39027638	Gmdrm	hypo	CHH	-0.0738
Gm06	39048672	39049663	Gmdrm	hypo	CHH	-0.136
Gm06	39062343	39063330	Gmdrm	hypo	CHH	-0.0589
Gm06	39077589	39078570	Gmdrm	hypo	CHH	-0.049
Gm06	39094299	39095263	Gmdrm	hypo	CHH	-0.0142
Gm06	39101909	39102123	Gmdrm	hypo	CHH	-0.0892
Gm06	39131645	39132186	Gmdrm	hypo	CHH	-0.0384
Gm06	39134447	39135182	Gmdrm	hypo	CHH	-0.0355
Gm06	39147957	39148944	Gmdrm	hypo	CHH	-0.0709
Gm06	39149970	39150960	Gmdrm	hypo	CHH	-0.0205
Gm06	39155074	39156067	Gmdrm	hypo	CHH	-0.0881
Gm06	39157445	39158437	Gmdrm	hypo	CHH	-0.0268
Gm06	39158452	39159426	Gmdrm	hypo	CHH	-0.0837
Gm06	39161816	39162786	Gmdrm	hypo	CHH	-0.026
Gm06	39166871	39167864	Gmdrm	hypo	CHH	-0.0313
Gm06	39188751	39189735	Gmdrm	hypo	CHH	-0.0818
Gm06	39308348	39309347	Gmdrm	hypo	CHH	-0.0663
Gm06	39312799	39313671	Gmdrm	hypo	CHH	-0.0291
Gm06	39315629	39316592	Gmdrm	hypo	CHH	-0.0134
Gm06	39339636	39340635	Gmdrm	hypo	CHH	-0.0475
Gm06	39340640	39341632	Gmdrm	hypo	CHH	-0.03
Gm06	39341667	39342653	Gmdrm	hypo	CHH	-0.0343
Gm06	39350000	39350990	Gmdrm	hypo	CHH	-0.0136
Gm06	39358053	39358904	Gmdrm	hypo	CHH	-0.0263
Gm06	39375188	39375969	Gmdrm	hypo	CHH	-0.0499
Gm06	39377797	39378795	Gmdrm	hypo	CHH	-0.0334
Gm06	39384319	39384425	Gmdrm	hypo	CHH	-0.13
Gm06	39475351	39476049	Gmdrm	hypo	CHH	-0.0307
Gm06	39486634	39487497	Gmdrm	hypo	CHH	-0.0457

Gm06	39503262	39504261	Gmdrm	hypo	CHH	-0.0432
Gm06	39506632	39507480	Gmdrm	hypo	CHH	-0.0914
Gm06	39545141	39546139	Gmdrm	hypo	CHH	-0.0123
Gm06	39567602	39568598	Gmdrm	hypo	CHH	-0.0969
Gm06	39645911	39646765	Gmdrm	hypo	CHH	-0.0267
Gm06	39648950	39649945	Gmdrm	hypo	CHH	-0.0536
Gm06	39655948	39656077	Gmdrm	hypo	CHH	-0.0869
Gm06	39660818	39661813	Gmdrm	hypo	CHH	-0.0297
Gm06	39662908	39663255	Gmdrm	hypo	CHH	-0.0745
Gm06	39714300	39715300	Gmdrm	hypo	CHH	-0.0307
Gm06	39715314	39716297	Gmdrm	hypo	CHH	-0.0161
Gm06	39716319	39717294	Gmdrm	hypo	CHH	-0.0524
Gm06	39718332	39719292	Gmdrm	hypo	CHH	-0.1789
Gm06	39728639	39729639	Gmdrm	hypo	CHH	-0.1155
Gm06	39729649	39730164	Gmdrm	hypo	CHH	-0.1971
Gm06	39731700	39732698	Gmdrm	hypo	CHH	-0.0101
Gm06	39742237	39743221	Gmdrm	hypo	CHH	-0.02
Gm06	39766663	39767637	Gmdrm	hypo	CHH	-0.0505
Gm06	39792081	39793060	Gmdrm	hypo	CHH	-0.0166
Gm06	39794171	39795165	Gmdrm	hypo	CHH	-0.0369
Gm06	39795173	39796170	Gmdrm	hypo	CHH	-0.1212
Gm06	39832994	39833994	Gmdrm	hypo	CHH	-0.0694
Gm06	39886769	39887606	Gmdrm	hypo	CHH	-0.0395
Gm06	39934937	39935002	Gmdrm	hypo	CHH	-0.0484
Gm06	39952449	39953448	Gmdrm	hypo	CHH	-0.0374
Gm06	39954298	39955292	Gmdrm	hypo	CHH	-0.0494
Gm06	39962379	39963348	Gmdrm	hypo	CHH	-0.0152
Gm06	39965422	39966421	Gmdrm	hypo	CHH	-0.0146
Gm06	39966429	39967414	Gmdrm	hypo	CHH	-0.0199
Gm06	40019222	40019594	Gmdrm	hypo	CHH	-0.0256
Gm06	40019709	40020251	Gmdrm	hypo	CHH	-0.0435
Gm06	40020360	40021350	Gmdrm	hypo	CHH	-0.0223
Gm06	40095543	40096543	Gmdrm	hypo	CHH	-0.0277
Gm06	40149861	40150859	Gmdrm	hypo	CHH	-0.0199
Gm06	40155495	40156479	Gmdrm	hypo	CHH	-0.0367
Gm06	40189885	40190872	Gmdrm	hypo	CHH	-0.0664
Gm06	40190891	40191873	Gmdrm	hypo	CHH	-0.0537
Gm06	40191893	40192892	Gmdrm	hypo	CHH	-0.0868
Gm06	40246767	40247407	Gmdrm	hypo	CHH	-0.0327
Gm06	40251248	40252219	Gmdrm	hypo	CHH	-0.0229
Gm06	40263039	40264001	Gmdrm	hypo	CHH	-0.0342
Gm06	40305469	40305961	Gmdrm	hypo	CHH	-0.0217
Gm06	40517709	40518689	Gmdrm	hypo	CHH	-0.0267
Gm06	40518736	40519723	Gmdrm	hypo	CHH	-0.0332
Gm06	40765985	40766985	Gmdrm	hypo	CHH	-0.0215
Gm06	40774944	40774991	Gmdrm	hypo	CHH	-0.025

Gm06	40785507	40786497	Gmdrm	hypo	CHH	-0.0461
Gm06	40788545	40788676	Gmdrm	hypo	CHH	-0.1137
Gm06	40805552	40806540	Gmdrm	hypo	CHH	-0.0493
Gm06	40806560	40807556	Gmdrm	hypo	CHH	-0.0322
Gm06	40808326	40809311	Gmdrm	hypo	CHH	-0.013
Gm06	40810355	40811314	Gmdrm	hypo	CHH	-0.0153
Gm06	40811380	40812380	Gmdrm	hypo	CHH	-0.0681
Gm06	40812388	40813385	Gmdrm	hypo	CHH	-0.0848
Gm06	40813389	40813946	Gmdrm	hypo	CHH	-0.0209
Gm06	40838828	40839827	Gmdrm	hypo	CHH	-0.0085
Gm06	40852039	40853039	Gmdrm	hypo	CHH	-0.0429
Gm06	40853042	40854041	Gmdrm	hypo	CHH	-0.0118
Gm06	40855509	40856509	Gmdrm	hypo	CHH	-0.0807
Gm06	40856764	40857737	Gmdrm	hypo	CHH	-0.0581
Gm06	40859826	40860816	Gmdrm	hypo	CHH	-0.0501
Gm06	40860827	40861020	Gmdrm	hypo	CHH	-0.0484
Gm06	40861306	40862297	Gmdrm	hypo	CHH	-0.0855
Gm06	40862309	40863295	Gmdrm	hypo	CHH	-0.0538
Gm06	40893393	40894369	Gmdrm	hypo	CHH	-0.0182
Gm06	40933083	40933178	Gmdrm	hypo	CHH	-0.0964
Gm06	40934413	40935407	Gmdrm	hypo	CHH	-0.0999
Gm06	40941544	40942502	Gmdrm	hypo	CHH	-0.1507
Gm06	40962829	40963829	Gmdrm	hypo	CHH	-0.0251
Gm06	40982339	40983334	Gmdrm	hypo	CHH	-0.0361
Gm06	40983357	40984319	Gmdrm	hypo	CHH	-0.0778
Gm06	41006202	41007197	Gmdrm	hypo	CHH	-0.0805
Gm06	41018380	41018705	Gmdrm	hypo	CHH	-0.2225
Gm06	41038420	41039405	Gmdrm	hypo	CHH	-0.0204
Gm06	41039443	41040150	Gmdrm	hypo	CHH	-0.0542
Gm06	41051965	41052946	Gmdrm	hypo	CHH	-0.0517
Gm06	41075214	41076173	Gmdrm	hypo	CHH	-0.0822
Gm06	41076227	41077217	Gmdrm	hypo	CHH	-0.0482
Gm06	41084324	41085320	Gmdrm	hypo	CHH	-0.0888
Gm06	41099857	41100847	Gmdrm	hypo	CHH	-0.0663
Gm06	41100875	41101872	Gmdrm	hypo	CHH	-0.0524
Gm06	41101882	41102853	Gmdrm	hypo	CHH	-0.0529
Gm06	41106887	41107846	Gmdrm	hypo	CHH	-0.0138
Gm06	41110850	41111836	Gmdrm	hypo	CHH	-0.1544
Gm06	41125293	41126280	Gmdrm	hypo	CHH	-0.0156
Gm06	41129373	41130328	Gmdrm	hypo	CHH	-0.0596
Gm06	41131396	41132389	Gmdrm	hypo	CHH	-0.0726
Gm06	41138419	41139017	Gmdrm	hypo	CHH	-0.0839
Gm06	41146959	41147948	Gmdrm	hypo	CHH	-0.0143
Gm06	41161646	41162622	Gmdrm	hypo	CHH	-0.0532
Gm06	41163691	41164690	Gmdrm	hypo	CHH	-0.0606
Gm06	41169622	41170314	Gmdrm	hypo	CHH	-0.0913

Gm06	41170482	41171400	Gmdrm	hypo	CHH	-0.0378
Gm06	41184537	41185066	Gmdrm	hypo	CHH	-0.0585
Gm06	41324532	41325516	Gmdrm	hypo	CHH	-0.1578
Gm06	41367304	41368275	Gmdrm	hypo	CHH	-0.0481
Gm06	41394986	41395981	Gmdrm	hypo	CHH	-0.1385
Gm06	41396016	41397006	Gmdrm	hypo	CHH	-0.0325
Gm06	41398829	41399812	Gmdrm	hypo	CHH	-0.0199
Gm06	41400863	41401857	Gmdrm	hypo	CHH	-0.0508
Gm06	41401864	41402861	Gmdrm	hypo	CHH	-0.0435
Gm06	41403872	41404849	Gmdrm	hypo	CHH	-0.0788
Gm06	41409992	41410794	Gmdrm	hypo	CHH	-0.1501
Gm06	41412428	41413428	Gmdrm	hypo	CHH	-0.0217
Gm06	41457262	41458215	Gmdrm	hypo	CHH	-0.0778
Gm06	41458268	41459206	Gmdrm	hypo	CHH	-0.0141
Gm06	41459270	41459572	Gmdrm	hypo	CHH	-0.0295
Gm06	41459759	41460757	Gmdrm	hypo	CHH	-0.0516
Gm06	41463615	41464607	Gmdrm	hypo	CHH	-0.0235
Gm06	41464624	41465612	Gmdrm	hypo	CHH	-0.0233
Gm06	41465625	41465870	Gmdrm	hypo	CHH	-0.0411
Gm06	41470492	41471239	Gmdrm	hypo	CHH	-0.0507
Gm06	41479969	41480153	Gmdrm	hypo	CHH	-0.0854
Gm06	41486327	41487287	Gmdrm	hypo	CHH	-0.0221
Gm06	41492745	41493738	Gmdrm	hypo	CHH	-0.0269
Gm06	41494386	41495379	Gmdrm	hypo	CHH	-0.1024
Gm06	41507484	41508483	Gmdrm	hypo	CHH	-0.0154
Gm06	41508487	41509479	Gmdrm	hypo	CHH	-0.1016
Gm06	41509497	41510472	Gmdrm	hypo	CHH	-0.033
Gm06	41510516	41511512	Gmdrm	hypo	CHH	-0.0278
Gm06	41513144	41514118	Gmdrm	hypo	CHH	-0.0869
Gm06	41529723	41530702	Gmdrm	hypo	CHH	-0.0319
Gm06	41530733	41531710	Gmdrm	hypo	CHH	-0.0385
Gm06	41539316	41540316	Gmdrm	hypo	CHH	-0.0233
Gm06	41540319	41541318	Gmdrm	hypo	CHH	-0.051
Gm06	41544289	41545285	Gmdrm	hypo	CHH	-0.0685
Gm06	41545292	41546289	Gmdrm	hypo	CHH	-0.0874
Gm06	41547306	41548306	Gmdrm	hypo	CHH	-0.0457
Gm06	41548330	41549311	Gmdrm	hypo	CHH	-0.0383
Gm06	41551620	41552606	Gmdrm	hypo	CHH	-0.0169
Gm06	41552622	41553621	Gmdrm	hypo	CHH	-0.0124
Gm06	41553637	41554631	Gmdrm	hypo	CHH	-0.0637
Gm06	41554679	41555336	Gmdrm	hypo	CHH	-0.0374
Gm06	41556658	41557048	Gmdrm	hypo	CHH	-0.0359
Gm06	41560228	41561228	Gmdrm	hypo	CHH	-0.0974
Gm06	41566119	41566207	Gmdrm	hypo	CHH	-0.16
Gm06	41568594	41569568	Gmdrm	hypo	CHH	-0.0945
Gm06	41570612	41570803	Gmdrm	hypo	CHH	-0.0179

Gm06	41571595	41572586	Gmdrm	hypo	CHH	-0.0661
Gm06	41574156	41575144	Gmdrm	hypo	CHH	-0.03
Gm06	41591618	41592584	Gmdrm	hypo	CHH	-0.0584
Gm06	41592619	41593576	Gmdrm	hypo	CHH	-0.042
Gm06	41593620	41594609	Gmdrm	hypo	CHH	-0.0444
Gm06	41611596	41612581	Gmdrm	hypo	CHH	-0.107
Gm06	41612598	41612725	Gmdrm	hypo	CHH	-0.042
Gm06	41634165	41635165	Gmdrm	hypo	CHH	-0.0129
Gm06	41690123	41690520	Gmdrm	hypo	CHH	-0.2065
Gm06	41690676	41691672	Gmdrm	hypo	CHH	-0.0272
Gm06	41692698	41693664	Gmdrm	hypo	CHH	-0.0169
Gm06	41694528	41695247	Gmdrm	hypo	CHH	-0.0635
Gm06	41695836	41696796	Gmdrm	hypo	CHH	-0.0961
Gm06	41732573	41732689	Gmdrm	hypo	CHH	-0.1
Gm06	41748179	41749164	Gmdrm	hypo	CHH	-0.1132
Gm06	41749267	41750242	Gmdrm	hypo	CHH	-0.0492
Gm06	41756032	41756987	Gmdrm	hypo	CHH	-0.0257
Gm06	41760185	41761176	Gmdrm	hypo	CHH	-0.0189
Gm06	41770270	41770516	Gmdrm	hypo	CHH	-0.0908
Gm06	41786450	41786629	Gmdrm	hypo	CHH	-0.0287
Gm06	41872266	41873175	Gmdrm	hypo	CHH	-0.0192
Gm06	41938757	41939756	Gmdrm	hypo	CHH	-0.0251
Gm06	41978523	41979523	Gmdrm	hypo	CHH	-0.0333
Gm06	41982708	41983704	Gmdrm	hypo	CHH	-0.0214
Gm06	42114590	42115580	Gmdrm	hypo	CHH	-0.0179
Gm06	42117125	42118010	Gmdrm	hypo	CHH	-0.0359
Gm06	42118117	42118498	Gmdrm	hypo	CHH	-0.0484
Gm06	42118973	42119971	Gmdrm	hypo	CHH	-0.0209
Gm06	42120565	42120743	Gmdrm	hypo	CHH	-0.0544
Gm06	42133273	42134221	Gmdrm	hypo	CHH	-0.0448
Gm06	42138993	42139987	Gmdrm	hypo	CHH	-0.0368
Gm06	42148020	42148983	Gmdrm	hypo	CHH	-0.0348
Gm06	42149930	42150922	Gmdrm	hypo	CHH	-0.02
Gm06	42150931	42151276	Gmdrm	hypo	CHH	-0.0382
Gm06	42153870	42154287	Gmdrm	hypo	CHH	-0.0488
Gm06	42170248	42171247	Gmdrm	hypo	CHH	-0.0176
Gm06	42171254	42172254	Gmdrm	hypo	CHH	-0.034
Gm06	42180196	42180416	Gmdrm	hypo	CHH	-0.0766
Gm06	42181844	42182825	Gmdrm	hypo	CHH	-0.0344
Gm06	42183857	42184845	Gmdrm	hypo	CHH	-0.0182
Gm06	42184858	42185855	Gmdrm	hypo	CHH	-0.0224
Gm06	42186119	42187104	Gmdrm	hypo	CHH	-0.0297
Gm06	42198638	42199593	Gmdrm	hypo	CHH	-0.0525
Gm06	42202090	42203078	Gmdrm	hypo	CHH	-0.0089
Gm06	42206096	42207093	Gmdrm	hypo	CHH	-0.0286
Gm06	42227920	42228910	Gmdrm	hypo	CHH	-0.035

Gm06	42231455	42232382	Gmdrm	hypo	CHH	-0.0308
Gm06	42234920	42235693	Gmdrm	hypo	CHH	-0.0201
Gm06	42241803	42242772	Gmdrm	hypo	CHH	-0.0342
Gm06	42253071	42254067	Gmdrm	hypo	CHH	-0.0125
Gm06	42258337	42259332	Gmdrm	hypo	CHH	-0.0262
Gm06	42259358	42260356	Gmdrm	hypo	CHH	-0.0146
Gm06	42272681	42273673	Gmdrm	hypo	CHH	-0.0147
Gm06	42297268	42298265	Gmdrm	hypo	CHH	-0.0179
Gm06	42312170	42312302	Gmdrm	hypo	CHH	-0.04
Gm06	42333084	42334069	Gmdrm	hypo	CHH	-0.0351
Gm06	42351163	42352162	Gmdrm	hypo	CHH	-0.0681
Gm06	42359171	42360167	Gmdrm	hypo	CHH	-0.0381
Gm06	42360173	42361168	Gmdrm	hypo	CHH	-0.0435
Gm06	42363208	42364189	Gmdrm	hypo	CHH	-0.0158
Gm06	42374648	42375646	Gmdrm	hypo	CHH	-0.0266
Gm06	42392665	42393657	Gmdrm	hypo	CHH	-0.0184
Gm06	42393675	42394672	Gmdrm	hypo	CHH	-0.0171
Gm06	42397312	42398308	Gmdrm	hypo	CHH	-0.0252
Gm06	42398325	42399312	Gmdrm	hypo	CHH	-0.0357
Gm06	42399343	42399459	Gmdrm	hypo	CHH	-0.0962
Gm06	42407699	42408691	Gmdrm	hypo	CHH	-0.0275
Gm06	42427190	42428186	Gmdrm	hypo	CHH	-0.0352
Gm06	42428193	42429191	Gmdrm	hypo	CHH	-0.0322
Gm06	42462165	42463164	Gmdrm	hypo	CHH	-0.05
Gm06	42519829	42520824	Gmdrm	hypo	CHH	-0.0408
Gm06	42554131	42555128	Gmdrm	hypo	CHH	-0.1215
Gm06	42555134	42556113	Gmdrm	hypo	CHH	-0.0499
Gm06	42558405	42559400	Gmdrm	hypo	CHH	-0.0284
Gm06	42562426	42563422	Gmdrm	hypo	CHH	-0.052
Gm06	42563438	42564149	Gmdrm	hypo	CHH	-0.0893
Gm06	42565829	42566812	Gmdrm	hypo	CHH	-0.028
Gm06	42578199	42579192	Gmdrm	hypo	CHH	-0.1391
Gm06	42579201	42580197	Gmdrm	hypo	CHH	-0.0388
Gm06	42582216	42583199	Gmdrm	hypo	CHH	-0.0355
Gm06	42621451	42622448	Gmdrm	hypo	CHH	-0.0738
Gm06	42622458	42623450	Gmdrm	hypo	CHH	-0.1836
Gm06	42630906	42631338	Gmdrm	hypo	CHH	-0.0506
Gm06	42715243	42716241	Gmdrm	hypo	CHH	-0.0425
Gm06	42716244	42717206	Gmdrm	hypo	CHH	-0.1742
Gm06	42734038	42735026	Gmdrm	hypo	CHH	-0.028
Gm06	42735057	42735429	Gmdrm	hypo	CHH	-0.0776
Gm06	42735628	42736612	Gmdrm	hypo	CHH	-0.0692
Gm06	42736735	42737735	Gmdrm	hypo	CHH	-0.0539
Gm06	42738773	42739763	Gmdrm	hypo	CHH	-0.0364
Gm06	42742800	42743557	Gmdrm	hypo	CHH	-0.0501
Gm06	42743708	42744679	Gmdrm	hypo	CHH	-0.0901

Gm06	42744732	42745388	Gmdrm	hypo	CHH	-0.0476
Gm06	42747496	42748488	Gmdrm	hypo	CHH	-0.0217
Gm06	42773947	42774195	Gmdrm	hypo	CHH	-0.0292
Gm06	42776965	42777961	Gmdrm	hypo	CHH	-0.1358
Gm06	42778032	42778688	Gmdrm	hypo	CHH	-0.0949
Gm06	42778790	42779731	Gmdrm	hypo	CHH	-0.0249
Gm06	42779799	42780778	Gmdrm	hypo	CHH	-0.213
Gm06	42787709	42788681	Gmdrm	hypo	CHH	-0.035
Gm06	42790740	42791737	Gmdrm	hypo	CHH	-0.0483
Gm06	42801987	42802575	Gmdrm	hypo	CHH	-0.0999
Gm06	42802724	42803721	Gmdrm	hypo	CHH	-0.1094
Gm06	42803725	42804701	Gmdrm	hypo	CHH	-0.1218
Gm06	42807363	42808347	Gmdrm	hypo	CHH	-0.0362
Gm06	42808389	42809379	Gmdrm	hypo	CHH	-0.0141
Gm06	42811433	42812430	Gmdrm	hypo	CHH	-0.0313
Gm06	42814811	42815811	Gmdrm	hypo	CHH	-0.0119
Gm06	42819259	42820248	Gmdrm	hypo	CHH	-0.0606
Gm06	42830113	42830589	Gmdrm	hypo	CHH	-0.167
Gm06	42877858	42878857	Gmdrm	hypo	CHH	-0.0357
Gm06	42885636	42886611	Gmdrm	hypo	CHH	-0.0651
Gm06	42896672	42897670	Gmdrm	hypo	CHH	-0.0205
Gm06	42904535	42905520	Gmdrm	hypo	CHH	-0.0226
Gm06	42910606	42911102	Gmdrm	hypo	CHH	-0.054
Gm06	42911499	42911703	Gmdrm	hypo	CHH	-0.1333
Gm06	42911853	42912452	Gmdrm	hypo	CHH	-0.1002
Gm06	42926248	42927230	Gmdrm	hypo	CHH	-0.1736
Gm06	42933707	42934671	Gmdrm	hypo	CHH	-0.0363
Gm06	42977399	42978357	Gmdrm	hypo	CHH	-0.0203
Gm06	42988236	42988291	Gmdrm	hypo	CHH	-0.115
Gm06	43036565	43037565	Gmdrm	hypo	CHH	-0.0376
Gm06	43062827	43063816	Gmdrm	hypo	CHH	-0.0805
Gm06	43063851	43064844	Gmdrm	hypo	CHH	-0.0162
Gm06	43064886	43065655	Gmdrm	hypo	CHH	-0.0159
Gm06	43066799	43067792	Gmdrm	hypo	CHH	-0.012
Gm06	43071415	43072408	Gmdrm	hypo	CHH	-0.0622
Gm06	43072419	43073416	Gmdrm	hypo	CHH	-0.027
Gm06	43073425	43073818	Gmdrm	hypo	CHH	-0.0259
Gm06	43078838	43079804	Gmdrm	hypo	CHH	-0.0175
Gm06	43122763	43123745	Gmdrm	hypo	CHH	-0.0726
Gm06	43123772	43123946	Gmdrm	hypo	CHH	-0.0637
Gm06	43126545	43127228	Gmdrm	hypo	CHH	-0.0237
Gm06	43130369	43131356	Gmdrm	hypo	CHH	-0.1545
Gm06	43139552	43140541	Gmdrm	hypo	CHH	-0.0191
Gm06	43140582	43141567	Gmdrm	hypo	CHH	-0.0115
Gm06	43150348	43151340	Gmdrm	hypo	CHH	-0.0504
Gm06	43159433	43160430	Gmdrm	hypo	CHH	-0.0207

Gm06	43160437	43161416 Gmdrm	hypo	CHH	-0.0676
Gm06	43164513	43165501 Gmdrm	hypo	CHH	-0.0127
Gm06	43176689	43177564 Gmdrm	hypo	CHH	-0.1896
Gm06	43177669	43178665 Gmdrm	hypo	CHH	-0.1081
Gm06	43178696	43179224 Gmdrm	hypo	CHH	-0.0643
Gm06	43179603	43180592 Gmdrm	hypo	CHH	-0.0445
Gm06	43191551	43192533 Gmdrm	hypo	CHH	-0.0392
Gm06	43198272	43199272 Gmdrm	hypo	CHH	-0.0651
Gm06	43214668	43215663 Gmdrm	hypo	CHH	-0.0197
Gm06	43215699	43216678 Gmdrm	hypo	CHH	-0.0384
Gm06	43216705	43217679 Gmdrm	hypo	CHH	-0.0336
Gm06	43230558	43231556 Gmdrm	hypo	CHH	-0.0598
Gm06	43231560	43231832 Gmdrm	hypo	CHH	-0.1475
Gm06	43239604	43240597 Gmdrm	hypo	CHH	-0.0481
Gm06	43240607	43241593 Gmdrm	hypo	CHH	-0.0423
Gm06	43241611	43242589 Gmdrm	hypo	CHH	-0.0151
Gm06	43246317	43247316 Gmdrm	hypo	CHH	-0.0116
Gm06	43248340	43249327 Gmdrm	hypo	CHH	-0.0415
Gm06	43283743	43284720 Gmdrm	hypo	CHH	-0.0352
Gm06	43288755	43289736 Gmdrm	hypo	CHH	-0.0527
Gm06	43294961	43295615 Gmdrm	hypo	CHH	-0.0481
Gm06	43322429	43323428 Gmdrm	hypo	CHH	-0.0705
Gm06	43327120	43328119 Gmdrm	hypo	CHH	-0.0465
Gm06	43328127	43329124 Gmdrm	hypo	CHH	-0.0325
Gm06	43330429	43331287 Gmdrm	hypo	CHH	-0.0172
Gm06	43332567	43333550 Gmdrm	hypo	CHH	-0.0212
Gm06	43333570	43334512 Gmdrm	hypo	CHH	-0.0253
Gm06	43380344	43381344 Gmdrm	hypo	CHH	-0.0408
Gm06	43392506	43393498 Gmdrm	hypo	CHH	-0.0722
Gm06	43394908	43395753 Gmdrm	hypo	CHH	-0.0704
Gm06	43400585	43401580 Gmdrm	hypo	CHH	-0.0792
Gm06	43402226	43403225 Gmdrm	hypo	CHH	-0.0266
Gm06	43403227	43404009 Gmdrm	hypo	CHH	-0.0367
Gm06	43416342	43417339 Gmdrm	hypo	CHH	-0.0416
Gm06	43423836	43424037 Gmdrm	hypo	CHH	-0.0763
Gm06	43445220	43446181 Gmdrm	hypo	CHH	-0.0226
Gm06	43557269	43558268 Gmdrm	hypo	CHH	-0.0358
Gm06	43563507	43564204 Gmdrm	hypo	CHH	-0.0667
Gm06	43564309	43565308 Gmdrm	hypo	CHH	-0.0651
Gm06	43584163	43585157 Gmdrm	hypo	CHH	-0.0138
Gm06	43609965	43610965 Gmdrm	hypo	CHH	-0.0465
Gm06	43612717	43613717 Gmdrm	hypo	CHH	-0.0686
Gm06	43620509	43621506 Gmdrm	hypo	CHH	-0.0585
Gm06	43621515	43622500 Gmdrm	hypo	CHH	-0.1054
Gm06	43622547	43622643 Gmdrm	hypo	CHH	-0.023
Gm06	43871248	43872247 Gmdrm	hypo	CHH	-0.0833

Gm06	43877739	43878130	Gmdrm	hypo	CHH	-0.1422
Gm06	43901555	43902542	Gmdrm	hypo	CHH	-0.05
Gm06	43909775	43910759	Gmdrm	hypo	CHH	-0.0211
Gm06	43914332	43915328	Gmdrm	hypo	CHH	-0.0452
Gm06	43931721	43932719	Gmdrm	hypo	CHH	-0.1024
Gm06	43932726	43933691	Gmdrm	hypo	CHH	-0.076
Gm06	43955024	43956006	Gmdrm	hypo	CHH	-0.0117
Gm06	43958514	43959512	Gmdrm	hypo	CHH	-0.0249
Gm06	43971647	43972637	Gmdrm	hypo	CHH	-0.0349
Gm06	43974433	43975288	Gmdrm	hypo	CHH	-0.0482
Gm06	43982198	43983180	Gmdrm	hypo	CHH	-0.0243
Gm06	43983202	43984197	Gmdrm	hypo	CHH	-0.0319
Gm06	44007322	44007509	Gmdrm	hypo	CHH	-0.036
Gm06	44026194	44027153	Gmdrm	hypo	CHH	-0.0132
Gm06	44028360	44029357	Gmdrm	hypo	CHH	-0.0288
Gm06	44029362	44029829	Gmdrm	hypo	CHH	-0.0309
Gm06	44035618	44036599	Gmdrm	hypo	CHH	-0.0201
Gm06	44047204	44048059	Gmdrm	hypo	CHH	-0.0374
Gm06	44060518	44061497	Gmdrm	hypo	CHH	-0.0728
Gm06	44070869	44071844	Gmdrm	hypo	CHH	-0.025
Gm06	44080090	44080826	Gmdrm	hypo	CHH	-0.1325
Gm06	44089836	44090832	Gmdrm	hypo	CHH	-0.0603
Gm06	44090837	44091776	Gmdrm	hypo	CHH	-0.1039
Gm06	44091846	44092846	Gmdrm	hypo	CHH	-0.2021
Gm06	44092847	44093314	Gmdrm	hypo	CHH	-0.175
Gm06	44094776	44095747	Gmdrm	hypo	CHH	-0.0379
Gm06	44095777	44096771	Gmdrm	hypo	CHH	-0.0703
Gm06	44098787	44099780	Gmdrm	hypo	CHH	-0.0753
Gm06	44114848	44115841	Gmdrm	hypo	CHH	-0.0317
Gm06	44119635	44119969	Gmdrm	hypo	CHH	-0.037
Gm06	44121111	44122108	Gmdrm	hypo	CHH	-0.0251
Gm06	44122116	44123116	Gmdrm	hypo	CHH	-0.0784
Gm06	44123120	44124120	Gmdrm	hypo	CHH	-0.0624
Gm06	44125418	44126414	Gmdrm	hypo	CHH	-0.018
Gm06	44134836	44135821	Gmdrm	hypo	CHH	-0.0139
Gm06	44145044	44146037	Gmdrm	hypo	CHH	-0.1755
Gm06	44200699	44201695	Gmdrm	hypo	CHH	-0.1013
Gm06	44202708	44203659	Gmdrm	hypo	CHH	-0.1361
Gm06	44208663	44209200	Gmdrm	hypo	CHH	-0.0354
Gm06	44222747	44223736	Gmdrm	hypo	CHH	-0.101
Gm06	44254995	44255985	Gmdrm	hypo	CHH	-0.0137
Gm06	44258258	44259256	Gmdrm	hypo	CHH	-0.0216
Gm06	44259265	44260259	Gmdrm	hypo	CHH	-0.1039
Gm06	44271238	44272199	Gmdrm	hypo	CHH	-0.0471
Gm06	44276255	44276713	Gmdrm	hypo	CHH	-0.0562
Gm06	44306377	44307361	Gmdrm	hypo	CHH	-0.0155

Gm06	44312568	44313563	Gmdrm	hypo	CHH	-0.0156
Gm06	44331953	44332934	Gmdrm	hypo	CHH	-0.0273
Gm06	44332956	44333953	Gmdrm	hypo	CHH	-0.0281
Gm06	44352195	44352226	Gmdrm	hypo	CHH	-0.05
Gm06	44362376	44363347	Gmdrm	hypo	CHH	-0.0184
Gm06	44378644	44379641	Gmdrm	hypo	CHH	-0.0134
Gm06	44380618	44381615	Gmdrm	hypo	CHH	-0.0229
Gm06	44381644	44382622	Gmdrm	hypo	CHH	-0.04
Gm06	44388243	44389231	Gmdrm	hypo	CHH	-0.0551
Gm06	44389246	44390239	Gmdrm	hypo	CHH	-0.0118
Gm06	44392181	44393181	Gmdrm	hypo	CHH	-0.0718
Gm06	44393184	44393535	Gmdrm	hypo	CHH	-0.0747
Gm06	44393674	44394674	Gmdrm	hypo	CHH	-0.0485
Gm06	44397717	44398701	Gmdrm	hypo	CHH	-0.0661
Gm06	44400976	44401973	Gmdrm	hypo	CHH	-0.215
Gm06	44401984	44402979	Gmdrm	hypo	CHH	-0.0619
Gm06	44403675	44404653	Gmdrm	hypo	CHH	-0.0161
Gm06	44404684	44405682	Gmdrm	hypo	CHH	-0.0596
Gm06	44405694	44406285	Gmdrm	hypo	CHH	-0.0128
Gm06	44409194	44410192	Gmdrm	hypo	CHH	-0.041
Gm06	44411196	44412194	Gmdrm	hypo	CHH	-0.0176
Gm06	44417012	44417982	Gmdrm	hypo	CHH	-0.0866
Gm06	44419760	44420756	Gmdrm	hypo	CHH	-0.0527
Gm06	44420767	44421757	Gmdrm	hypo	CHH	-0.0277
Gm06	44421779	44422767	Gmdrm	hypo	CHH	-0.0381
Gm06	44422784	44423753	Gmdrm	hypo	CHH	-0.0281
Gm06	44427757	44428738	Gmdrm	hypo	CHH	-0.0159
Gm06	44428764	44429749	Gmdrm	hypo	CHH	-0.0518
Gm06	44431804	44432790	Gmdrm	hypo	CHH	-0.0243
Gm06	44433951	44434951	Gmdrm	hypo	CHH	-0.0728
Gm06	44435989	44436529	Gmdrm	hypo	CHH	-0.1058
Gm06	44436871	44437131	Gmdrm	hypo	CHH	-0.1342
Gm06	44446350	44447348	Gmdrm	hypo	CHH	-0.1229
Gm06	44450669	44451663	Gmdrm	hypo	CHH	-0.201
Gm06	44455419	44455615	Gmdrm	hypo	CHH	-0.1311
Gm06	44464059	44465059	Gmdrm	hypo	CHH	-0.0366
Gm06	44474141	44475139	Gmdrm	hypo	CHH	-0.1189
Gm06	44478082	44478389	Gmdrm	hypo	CHH	-0.0308
Gm06	44484612	44485596	Gmdrm	hypo	CHH	-0.0177
Gm06	44487690	44488663	Gmdrm	hypo	CHH	-0.0189
Gm06	44496226	44497225	Gmdrm	hypo	CHH	-0.0107
Gm06	44507638	44507712	Gmdrm	hypo	CHH	-0.0416
Gm06	44520965	44521917	Gmdrm	hypo	CHH	-0.033
Gm06	44522970	44523962	Gmdrm	hypo	CHH	-0.0303
Gm06	44523977	44524597	Gmdrm	hypo	CHH	-0.0417
Gm06	44552882	44553853	Gmdrm	hypo	CHH	-0.0348

Gm06	44570504	44571495	Gmdrm	hypo	CHH	-0.0536
Gm06	44578143	44579110	Gmdrm	hypo	CHH	-0.0256
Gm06	44580170	44581169	Gmdrm	hypo	CHH	-0.0291
Gm06	44582702	44583688	Gmdrm	hypo	CHH	-0.0797
Gm06	44584968	44585966	Gmdrm	hypo	CHH	-0.0202
Gm06	44585979	44586976	Gmdrm	hypo	CHH	-0.0443
Gm06	44586982	44587974	Gmdrm	hypo	CHH	-0.0747
Gm06	44587985	44588954	Gmdrm	hypo	CHH	-0.0183
Gm06	44590362	44591321	Gmdrm	hypo	CHH	-0.0226
Gm06	44592397	44593395	Gmdrm	hypo	CHH	-0.0495
Gm06	44594409	44595404	Gmdrm	hypo	CHH	-0.0658
Gm06	44595412	44595587	Gmdrm	hypo	CHH	-0.2122
Gm06	44596814	44597804	Gmdrm	hypo	CHH	-0.0203
Gm06	44597817	44597926	Gmdrm	hypo	CHH	-0.0317
Gm06	44599888	44600888	Gmdrm	hypo	CHH	-0.1195
Gm06	44600894	44601892	Gmdrm	hypo	CHH	-0.1288
Gm06	44608814	44609806	Gmdrm	hypo	CHH	-0.0535
Gm06	44609816	44610242	Gmdrm	hypo	CHH	-0.4452
Gm06	44615612	44616603	Gmdrm	hypo	CHH	-0.0411
Gm06	44617628	44618628	Gmdrm	hypo	CHH	-0.0408
Gm06	44618632	44619629	Gmdrm	hypo	CHH	-0.0384
Gm06	44619637	44620626	Gmdrm	hypo	CHH	-0.0219
Gm06	44620647	44621619	Gmdrm	hypo	CHH	-0.2052
Gm06	44621688	44622296	Gmdrm	hypo	CHH	-0.2646
Gm06	44635390	44636389	Gmdrm	hypo	CHH	-0.0776
Gm06	44647822	44647871	Gmdrm	hypo	CHH	-0.0443
Gm06	44653392	44654271	Gmdrm	hypo	CHH	-0.1609
Gm06	44656391	44657391	Gmdrm	hypo	CHH	-0.0288
Gm06	44657395	44658394	Gmdrm	hypo	CHH	-0.0378
Gm06	44658397	44659395	Gmdrm	hypo	CHH	-0.0439
Gm06	44661440	44662435	Gmdrm	hypo	CHH	-0.0733
Gm06	44662441	44663039	Gmdrm	hypo	CHH	-0.241
Gm06	44663435	44664044	Gmdrm	hypo	CHH	-0.0244
Gm06	44714686	44715672	Gmdrm	hypo	CHH	-0.0594
Gm06	44718805	44719798	Gmdrm	hypo	CHH	-0.0381
Gm06	44720835	44721658	Gmdrm	hypo	CHH	-0.0326
Gm06	44722047	44723047	Gmdrm	hypo	CHH	-0.0319
Gm06	44723054	44724052	Gmdrm	hypo	CHH	-0.1263
Gm06	44725057	44726016	Gmdrm	hypo	CHH	-0.2569
Gm06	44726117	44726846	Gmdrm	hypo	CHH	-0.109
Gm06	44731940	44732919	Gmdrm	hypo	CHH	-0.0128
Gm06	44741398	44742341	Gmdrm	hypo	CHH	-0.0131
Gm06	44743565	44744551	Gmdrm	hypo	CHH	-0.0357
Gm06	44749275	44750270	Gmdrm	hypo	CHH	-0.0495
Gm06	44750797	44751566	Gmdrm	hypo	CHH	-0.0629
Gm06	44767165	44768151	Gmdrm	hypo	CHH	-0.0627

Gm06	44768171	44768561	Gmdrm	hypo	CHH	-0.0402
Gm06	44768692	44769684	Gmdrm	hypo	CHH	-0.2091
Gm06	44772723	44773713	Gmdrm	hypo	CHH	-0.0223
Gm06	44783040	44784039	Gmdrm	hypo	CHH	-0.076
Gm06	44784042	44785032	Gmdrm	hypo	CHH	-0.1403
Gm06	44790535	44791527	Gmdrm	hypo	CHH	-0.0664
Gm06	44791537	44792522	Gmdrm	hypo	CHH	-0.0322
Gm06	44792540	44793313	Gmdrm	hypo	CHH	-0.0941
Gm06	44799513	44800442	Gmdrm	hypo	CHH	-0.0828
Gm06	44800927	44801271	Gmdrm	hypo	CHH	-0.0741
Gm06	44801506	44801841	Gmdrm	hypo	CHH	-0.1777
Gm06	44802722	44803064	Gmdrm	hypo	CHH	-0.1612
Gm06	44803165	44804127	Gmdrm	hypo	CHH	-0.127
Gm06	44804763	44805761	Gmdrm	hypo	CHH	-0.0712
Gm06	44805774	44806243	Gmdrm	hypo	CHH	-0.3601
Gm06	44806481	44806674	Gmdrm	hypo	CHH	-0.3938
Gm06	44807641	44808598	Gmdrm	hypo	CHH	-0.0194
Gm06	44808646	44809642	Gmdrm	hypo	CHH	-0.0429
Gm06	44811666	44812622	Gmdrm	hypo	CHH	-0.021
Gm06	44812668	44813458	Gmdrm	hypo	CHH	-0.0146
Gm06	44814570	44815570	Gmdrm	hypo	CHH	-0.0219
Gm06	44815577	44816576	Gmdrm	hypo	CHH	-0.3387
Gm06	44816580	44817568	Gmdrm	hypo	CHH	-0.317
Gm06	44827284	44827947	Gmdrm	hypo	CHH	-0.0197
Gm06	44840589	44841573	Gmdrm	hypo	CHH	-0.0162
Gm06	44841596	44842587	Gmdrm	hypo	CHH	-0.0794
Gm06	44851749	44852338	Gmdrm	hypo	CHH	-0.0217
Gm06	44878028	44879027	Gmdrm	hypo	CHH	-0.1024
Gm06	44879039	44880033	Gmdrm	hypo	CHH	-0.1497
Gm06	44880054	44880533	Gmdrm	hypo	CHH	-0.1351
Gm06	44881188	44882187	Gmdrm	hypo	CHH	-0.0549
Gm06	44945529	44946508	Gmdrm	hypo	CHH	-0.0339
Gm06	44949457	44950443	Gmdrm	hypo	CHH	-0.1394
Gm06	44950470	44951413	Gmdrm	hypo	CHH	-0.069
Gm06	44959536	44960532	Gmdrm	hypo	CHH	-0.0441
Gm06	44965104	44966099	Gmdrm	hypo	CHH	-0.0475
Gm06	44967173	44968171	Gmdrm	hypo	CHH	-0.1353
Gm06	44968179	44969149	Gmdrm	hypo	CHH	-0.067
Gm06	44983445	44984444	Gmdrm	hypo	CHH	-0.0588
Gm06	44984464	44985453	Gmdrm	hypo	CHH	-0.0917
Gm06	44987701	44988699	Gmdrm	hypo	CHH	-0.016
Gm06	44988704	44989688	Gmdrm	hypo	CHH	-0.0838
Gm06	44989705	44989828	Gmdrm	hypo	CHH	-0.195
Gm06	44994137	44995127	Gmdrm	hypo	CHH	-0.093
Gm06	45005219	45006219	Gmdrm	hypo	CHH	-0.0308
Gm06	45008237	45009225	Gmdrm	hypo	CHH	-0.0318

Gm06	45017425	45018422	Gmdrm	hypo	CHH	-0.0349
Gm06	45025442	45026440	Gmdrm	hypo	CHH	-0.0717
Gm06	45038410	45039340	Gmdrm	hypo	CHH	-0.0413
Gm06	45045471	45046467	Gmdrm	hypo	CHH	-0.1947
Gm06	45061579	45062566	Gmdrm	hypo	CHH	-0.0295
Gm06	45069519	45069703	Gmdrm	hypo	CHH	-0.0896
Gm06	45076398	45077392	Gmdrm	hypo	CHH	-0.1603
Gm06	45077439	45078417	Gmdrm	hypo	CHH	-0.0159
Gm06	45094002	45094239	Gmdrm	hypo	CHH	-0.0522
Gm06	45094441	45095376	Gmdrm	hypo	CHH	-0.0126
Gm06	45114688	45115671	Gmdrm	hypo	CHH	-0.0155
Gm06	45127528	45128517	Gmdrm	hypo	CHH	-0.0253
Gm06	45136946	45137946	Gmdrm	hypo	CHH	-0.0715
Gm06	45137949	45138920	Gmdrm	hypo	CHH	-0.0248
Gm06	45139957	45140951	Gmdrm	hypo	CHH	-0.0237
Gm06	45143991	45144964	Gmdrm	hypo	CHH	-0.0391
Gm06	45146029	45147024	Gmdrm	hypo	CHH	-0.0206
Gm06	45149097	45150092	Gmdrm	hypo	CHH	-0.2022
Gm06	45155721	45156655	Gmdrm	hypo	CHH	-0.0342
Gm06	45156728	45157725	Gmdrm	hypo	CHH	-0.028
Gm06	45157729	45158722	Gmdrm	hypo	CHH	-0.103
Gm06	45166442	45167408	Gmdrm	hypo	CHH	-0.1642
Gm06	45170793	45171780	Gmdrm	hypo	CHH	-0.0222
Gm06	45201561	45202552	Gmdrm	hypo	CHH	-0.03
Gm06	45245906	45246903	Gmdrm	hypo	CHH	-0.0523
Gm06	45246909	45247838	Gmdrm	hypo	CHH	-0.1243
Gm06	45248937	45249933	Gmdrm	hypo	CHH	-0.0146
Gm06	45269185	45270175	Gmdrm	hypo	CHH	-0.0221
Gm06	45286370	45287354	Gmdrm	hypo	CHH	-0.0295
Gm06	45287376	45288124	Gmdrm	hypo	CHH	-0.0434
Gm06	45330239	45331239	Gmdrm	hypo	CHH	-0.0312
Gm06	45331241	45332231	Gmdrm	hypo	CHH	-0.0226
Gm06	45333260	45333738	Gmdrm	hypo	CHH	-0.1214
Gm06	45335983	45336971	Gmdrm	hypo	CHH	-0.0261
Gm06	45345747	45346708	Gmdrm	hypo	CHH	-0.0136
Gm06	45369088	45370045	Gmdrm	hypo	CHH	-0.1295
Gm06	45370269	45370544	Gmdrm	hypo	CHH	-0.187
Gm06	45370680	45371212	Gmdrm	hypo	CHH	-0.1659
Gm06	45371626	45372234	Gmdrm	hypo	CHH	-0.0694
Gm06	45372599	45373596	Gmdrm	hypo	CHH	-0.0427
Gm06	45374633	45375617	Gmdrm	hypo	CHH	-0.0697
Gm06	45387458	45388428	Gmdrm	hypo	CHH	-0.0543
Gm06	45392507	45392547	Gmdrm	hypo	CHH	-0.1529
Gm06	45392739	45392896	Gmdrm	hypo	CHH	-0.2175
Gm06	45403311	45404306	Gmdrm	hypo	CHH	-0.0324
Gm06	45407777	45408774	Gmdrm	hypo	CHH	-0.0239

Gm06	45413540	45413729	Gmdrm	hypo	CHH	-0.03
Gm06	45414000	45414891	Gmdrm	hypo	CHH	-0.0201
Gm06	45416158	45417152	Gmdrm	hypo	CHH	-0.1279
Gm06	45418173	45419120	Gmdrm	hypo	CHH	-0.0267
Gm06	45422063	45423062	Gmdrm	hypo	CHH	-0.0382
Gm06	45427290	45427312	Gmdrm	hypo	CHH	-0.0483
Gm06	45430839	45431837	Gmdrm	hypo	CHH	-0.034
Gm06	45445484	45446433	Gmdrm	hypo	CHH	-0.0293
Gm06	45446538	45447534	Gmdrm	hypo	CHH	-0.2075
Gm06	45447542	45448344	Gmdrm	hypo	CHH	-0.0704
Gm06	45479297	45480294	Gmdrm	hypo	CHH	-0.0092
Gm06	45480313	45481307	Gmdrm	hypo	CHH	-0.0256
Gm06	45485357	45486345	Gmdrm	hypo	CHH	-0.0329
Gm06	45490509	45491506	Gmdrm	hypo	CHH	-0.0615
Gm06	45507820	45508814	Gmdrm	hypo	CHH	-0.0228
Gm06	45508825	45509825	Gmdrm	hypo	CHH	-0.0534
Gm06	45509832	45510798	Gmdrm	hypo	CHH	-0.0703
Gm06	45526302	45527297	Gmdrm	hypo	CHH	-0.1152
Gm06	45537618	45538614	Gmdrm	hypo	CHH	-0.0453
Gm06	45538621	45538805	Gmdrm	hypo	CHH	-0.1353
Gm06	45539159	45539600	Gmdrm	hypo	CHH	-0.138
Gm06	45544156	45544288	Gmdrm	hypo	CHH	-0.0434
Gm06	45545844	45546840	Gmdrm	hypo	CHH	-0.086
Gm06	45548873	45549842	Gmdrm	hypo	CHH	-0.0724
Gm06	45549874	45550670	Gmdrm	hypo	CHH	-0.1328
Gm06	45558729	45559704	Gmdrm	hypo	CHH	-0.0222
Gm06	45559730	45560319	Gmdrm	hypo	CHH	-0.0723
Gm06	45560442	45561435	Gmdrm	hypo	CHH	-0.0921
Gm06	45561766	45562766	Gmdrm	hypo	CHH	-0.0155
Gm06	45570755	45571741	Gmdrm	hypo	CHH	-0.0148
Gm06	45573935	45574932	Gmdrm	hypo	CHH	-0.016
Gm06	45585292	45586290	Gmdrm	hypo	CHH	-0.0144
Gm06	45586297	45587274	Gmdrm	hypo	CHH	-0.0416
Gm06	45589612	45590549	Gmdrm	hypo	CHH	-0.016
Gm06	45606959	45607945	Gmdrm	hypo	CHH	-0.0258
Gm06	45639371	45640365	Gmdrm	hypo	CHH	-0.0219
Gm06	45644182	45645181	Gmdrm	hypo	CHH	-0.0187
Gm06	45693702	45694698	Gmdrm	hypo	CHH	-0.0173
Gm06	45695082	45695992	Gmdrm	hypo	CHH	-0.0159
Gm06	45701263	45702261	Gmdrm	hypo	CHH	-0.0567
Gm06	45702273	45702493	Gmdrm	hypo	CHH	-0.1032
Gm06	45704688	45705670	Gmdrm	hypo	CHH	-0.0155
Gm06	45710744	45711735	Gmdrm	hypo	CHH	-0.1509
Gm06	45713645	45714637	Gmdrm	hypo	CHH	-0.1522
Gm06	45714647	45715644	Gmdrm	hypo	CHH	-0.0419
Gm06	45715651	45716628	Gmdrm	hypo	CHH	-0.0327

Gm06	45716662	45717588	Gmdrm	hypo	CHH	-0.0854
Gm06	45722508	45722934	Gmdrm	hypo	CHH	-0.0441
Gm06	45731072	45732063	Gmdrm	hypo	CHH	-0.1304
Gm06	45780495	45781494	Gmdrm	hypo	CHH	-0.0357
Gm06	45781500	45782498	Gmdrm	hypo	CHH	-0.2518
Gm06	45806134	45807127	Gmdrm	hypo	CHH	-0.0676
Gm06	45807135	45808132	Gmdrm	hypo	CHH	-0.0388
Gm06	45808136	45809133	Gmdrm	hypo	CHH	-0.0508
Gm06	45809149	45809786	Gmdrm	hypo	CHH	-0.0689
Gm06	45823283	45824281	Gmdrm	hypo	CHH	-0.0358
Gm06	45872540	45873369	Gmdrm	hypo	CHH	-0.0284
Gm06	45895366	45896357	Gmdrm	hypo	CHH	-0.0374
Gm06	45904803	45905791	Gmdrm	hypo	CHH	-0.0439
Gm06	45907561	45908548	Gmdrm	hypo	CHH	-0.016
Gm06	45909590	45910587	Gmdrm	hypo	CHH	-0.0331
Gm06	45941546	45942536	Gmdrm	hypo	CHH	-0.0496
Gm06	45955713	45956713	Gmdrm	hypo	CHH	-0.0277
Gm06	45957398	45957785	Gmdrm	hypo	CHH	-0.0466
Gm06	45959414	45960413	Gmdrm	hypo	CHH	-0.0598
Gm06	45960415	45960920	Gmdrm	hypo	CHH	-0.0811
Gm06	45974477	45974524	Gmdrm	hypo	CHH	-0.1163
Gm06	45991857	45992828	Gmdrm	hypo	CHH	-0.045
Gm06	45995895	45996885	Gmdrm	hypo	CHH	-0.0144
Gm06	46010853	46011813	Gmdrm	hypo	CHH	-0.0353
Gm06	46026743	46027737	Gmdrm	hypo	CHH	-0.0289
Gm06	46028803	46029743	Gmdrm	hypo	CHH	-0.0496
Gm06	46029808	46030496	Gmdrm	hypo	CHH	-0.0422
Gm06	46030935	46030999	Gmdrm	hypo	CHH	-0.2208
Gm06	46031333	46031647	Gmdrm	hypo	CHH	-0.174
Gm06	46043051	46044051	Gmdrm	hypo	CHH	-0.1021
Gm06	46044065	46045051	Gmdrm	hypo	CHH	-0.0248
Gm06	46047236	46047563	Gmdrm	hypo	CHH	-0.1494
Gm06	46047811	46048782	Gmdrm	hypo	CHH	-0.0692
Gm06	46053593	46054588	Gmdrm	hypo	CHH	-0.0217
Gm06	46059278	46060212	Gmdrm	hypo	CHH	-0.0324
Gm06	46061841	46062841	Gmdrm	hypo	CHH	-0.0431
Gm06	46090284	46091281	Gmdrm	hypo	CHH	-0.0155
Gm06	46160887	46161054	Gmdrm	hypo	CHH	-0.0973
Gm06	46189906	46190902	Gmdrm	hypo	CHH	-0.0392
Gm06	46190929	46191890	Gmdrm	hypo	CHH	-0.0165
Gm06	46195008	46195996	Gmdrm	hypo	CHH	-0.1724
Gm06	46197012	46198010	Gmdrm	hypo	CHH	-0.0503
Gm06	46232115	46233113	Gmdrm	hypo	CHH	-0.0377
Gm06	46233139	46234119	Gmdrm	hypo	CHH	-0.0643
Gm06	46235181	46236153	Gmdrm	hypo	CHH	-0.0827
Gm06	46241703	46242702	Gmdrm	hypo	CHH	-0.1093

Gm06	46247129	46247499	Gmdrm	hypo	CHH	-0.0196
Gm06	46259356	46260354	Gmdrm	hypo	CHH	-0.0321
Gm06	46260383	46261147	Gmdrm	hypo	CHH	-0.0554
Gm06	46262237	46263235	Gmdrm	hypo	CHH	-0.0986
Gm06	46264769	46265409	Gmdrm	hypo	CHH	-0.0177
Gm06	46265580	46266522	Gmdrm	hypo	CHH	-0.0195
Gm06	46271239	46272184	Gmdrm	hypo	CHH	-0.0559
Gm06	46286939	46287763	Gmdrm	hypo	CHH	-0.0335
Gm06	46297213	46298211	Gmdrm	hypo	CHH	-0.0641
Gm06	46299274	46300269	Gmdrm	hypo	CHH	-0.0815
Gm06	46324943	46325912	Gmdrm	hypo	CHH	-0.0186
Gm06	46326416	46327416	Gmdrm	hypo	CHH	-0.2685
Gm06	46327418	46328401	Gmdrm	hypo	CHH	-0.0703
Gm06	46328759	46329759	Gmdrm	hypo	CHH	-0.0358
Gm06	46336849	46337081	Gmdrm	hypo	CHH	-0.0467
Gm06	46338961	46339958	Gmdrm	hypo	CHH	-0.1508
Gm06	46344020	46344440	Gmdrm	hypo	CHH	-0.0231
Gm06	46351854	46352322	Gmdrm	hypo	CHH	-0.0268
Gm06	46363440	46364433	Gmdrm	hypo	CHH	-0.0564
Gm06	46364472	46365471	Gmdrm	hypo	CHH	-0.0808
Gm06	46367600	46368595	Gmdrm	hypo	CHH	-0.0519
Gm06	46369095	46369339	Gmdrm	hypo	CHH	-0.1075
Gm06	46372332	46373329	Gmdrm	hypo	CHH	-0.015
Gm06	46377805	46378804	Gmdrm	hypo	CHH	-0.0295
Gm06	46389357	46389842	Gmdrm	hypo	CHH	-0.08
Gm06	46393046	46394040	Gmdrm	hypo	CHH	-0.0163
Gm06	46395106	46396105	Gmdrm	hypo	CHH	-0.0207
Gm06	46396154	46397135	Gmdrm	hypo	CHH	-0.02
Gm06	46400524	46401503	Gmdrm	hypo	CHH	-0.0156
Gm06	46401526	46401817	Gmdrm	hypo	CHH	-0.0706
Gm06	46416400	46417381	Gmdrm	hypo	CHH	-0.0212
Gm06	46422485	46423450	Gmdrm	hypo	CHH	-0.012
Gm06	46429780	46430774	Gmdrm	hypo	CHH	-0.0435
Gm06	46431503	46431954	Gmdrm	hypo	CHH	-0.0214
Gm06	46435163	46436159	Gmdrm	hypo	CHH	-0.1839
Gm06	46437714	46438594	Gmdrm	hypo	CHH	-0.0925
Gm06	46461668	46462646	Gmdrm	hypo	CHH	-0.0145
Gm06	46472316	46473316	Gmdrm	hypo	CHH	-0.0284
Gm06	46473320	46474098	Gmdrm	hypo	CHH	-0.0651
Gm06	46479189	46479876	Gmdrm	hypo	CHH	-0.035
Gm06	46480874	46481858	Gmdrm	hypo	CHH	-0.0209
Gm06	46482883	46483099	Gmdrm	hypo	CHH	-0.0347
Gm06	46483208	46484172	Gmdrm	hypo	CHH	-0.0682
Gm06	46485297	46486296	Gmdrm	hypo	CHH	-0.011
Gm06	46486309	46487299	Gmdrm	hypo	CHH	-0.0943
Gm06	46487311	46488311	Gmdrm	hypo	CHH	-0.0431

Gm06	46488314	46489310	Gmdrm	hypo	CHH	-0.0956
Gm06	46489376	46489582	Gmdrm	hypo	CHH	-0.0334
Gm06	46496597	46497597	Gmdrm	hypo	CHH	-0.0502
Gm06	46497600	46498599	Gmdrm	hypo	CHH	-0.0839
Gm06	46498603	46499218	Gmdrm	hypo	CHH	-0.0257
Gm06	46501524	46502519	Gmdrm	hypo	CHH	-0.0149
Gm06	46503536	46504516	Gmdrm	hypo	CHH	-0.0675
Gm06	46504551	46505547	Gmdrm	hypo	CHH	-0.0151
Gm06	46506985	46507985	Gmdrm	hypo	CHH	-0.0283
Gm06	46507992	46508991	Gmdrm	hypo	CHH	-0.024
Gm06	46524824	46525805	Gmdrm	hypo	CHH	-0.09
Gm06	46525825	46526818	Gmdrm	hypo	CHH	-0.0799
Gm06	46526832	46526993	Gmdrm	hypo	CHH	-0.1522
Gm06	46527145	46528113	Gmdrm	hypo	CHH	-0.0998
Gm06	46529127	46530061	Gmdrm	hypo	CHH	-0.0457
Gm06	46536596	46536941	Gmdrm	hypo	CHH	-0.0637
Gm06	46539192	46539818	Gmdrm	hypo	CHH	-0.0319
Gm06	46541554	46542543	Gmdrm	hypo	CHH	-0.0125
Gm06	46545614	46546577	Gmdrm	hypo	CHH	-0.0291
Gm06	46553132	46554125	Gmdrm	hypo	CHH	-0.1144
Gm06	46554378	46555351	Gmdrm	hypo	CHH	-0.0819
Gm06	46555384	46556380	Gmdrm	hypo	CHH	-0.0536
Gm06	46556386	46557385	Gmdrm	hypo	CHH	-0.1085
Gm06	46560586	46561578	Gmdrm	hypo	CHH	-0.0749
Gm06	46587471	46588464	Gmdrm	hypo	CHH	-0.0119
Gm06	46593737	46594724	Gmdrm	hypo	CHH	-0.0418
Gm06	46595897	46596883	Gmdrm	hypo	CHH	-0.0255
Gm06	46599288	46599543	Gmdrm	hypo	CHH	-0.0275
Gm06	46617616	46618615	Gmdrm	hypo	CHH	-0.0526
Gm06	46626336	46627303	Gmdrm	hypo	CHH	-0.0247
Gm06	46631406	46632400	Gmdrm	hypo	CHH	-0.038
Gm06	46655693	46655989	Gmdrm	hypo	CHH	-0.0774
Gm06	46675364	46676360	Gmdrm	hypo	CHH	-0.0182
Gm06	46676377	46677364	Gmdrm	hypo	CHH	-0.0352
Gm06	46677381	46678374	Gmdrm	hypo	CHH	-0.0262
Gm06	46692741	46693741	Gmdrm	hypo	CHH	-0.0043
Gm06	46712668	46713322	Gmdrm	hypo	CHH	-0.2176
Gm06	46713925	46714808	Gmdrm	hypo	CHH	-0.0375
Gm06	46715151	46716150	Gmdrm	hypo	CHH	-0.1356
Gm06	46722221	46722644	Gmdrm	hypo	CHH	-0.0459
Gm06	46731728	46732728	Gmdrm	hypo	CHH	-0.0157
Gm06	46732729	46733715	Gmdrm	hypo	CHH	-0.1105
Gm06	46737755	46738611	Gmdrm	hypo	CHH	-0.0193
Gm06	46738748	46739743	Gmdrm	hypo	CHH	-0.0159
Gm06	46742290	46743253	Gmdrm	hypo	CHH	-0.0152
Gm06	46744678	46745675	Gmdrm	hypo	CHH	-0.1322

Gm06	46745810	46746808	Gmdrm	hypo	CHH	-0.1381
Gm06	46746816	46747774	Gmdrm	hypo	CHH	-0.2016
Gm06	46747878	46748566	Gmdrm	hypo	CHH	-0.117
Gm06	46749442	46750425	Gmdrm	hypo	CHH	-0.0859
Gm06	46783527	46783602	Gmdrm	hypo	CHH	-0.0622
Gm06	46783763	46784240	Gmdrm	hypo	CHH	-0.0439
Gm06	46785391	46786336	Gmdrm	hypo	CHH	-0.0134
Gm06	46787828	46788365	Gmdrm	hypo	CHH	-0.0321
Gm06	46793708	46794668	Gmdrm	hypo	CHH	-0.0842
Gm06	46796735	46797727	Gmdrm	hypo	CHH	-0.0537
Gm06	46806779	46807775	Gmdrm	hypo	CHH	-0.2733
Gm06	46809856	46810840	Gmdrm	hypo	CHH	-0.0336
Gm06	46815869	46816867	Gmdrm	hypo	CHH	-0.0618
Gm06	46834057	46835054	Gmdrm	hypo	CHH	-0.0533
Gm06	46838834	46839817	Gmdrm	hypo	CHH	-0.0241
Gm06	46845331	46846331	Gmdrm	hypo	CHH	-0.0272
Gm06	46846335	46846879	Gmdrm	hypo	CHH	-0.1018
Gm06	46855893	46856877	Gmdrm	hypo	CHH	-0.0168
Gm06	46865657	46866647	Gmdrm	hypo	CHH	-0.0346
Gm06	46880947	46881942	Gmdrm	hypo	CHH	-0.0644
Gm06	46885507	46886504	Gmdrm	hypo	CHH	-0.0137
Gm06	46890467	46890755	Gmdrm	hypo	CHH	-0.015
Gm06	46898243	46899219	Gmdrm	hypo	CHH	-0.1176
Gm06	46900208	46901197	Gmdrm	hypo	CHH	-0.0691
Gm06	46902284	46903256	Gmdrm	hypo	CHH	-0.0535
Gm06	46903288	46904287	Gmdrm	hypo	CHH	-0.0798
Gm06	46904289	46905274	Gmdrm	hypo	CHH	-0.0434
Gm06	46913328	46914325	Gmdrm	hypo	CHH	-0.0306
Gm06	46921145	46922128	Gmdrm	hypo	CHH	-0.0201
Gm06	46936068	46937065	Gmdrm	hypo	CHH	-0.0445
Gm06	46937071	46937942	Gmdrm	hypo	CHH	-0.0292
Gm06	46955071	46956037	Gmdrm	hypo	CHH	-0.0696
Gm06	46960656	46961547	Gmdrm	hypo	CHH	-0.1083
Gm06	46976041	46977038	Gmdrm	hypo	CHH	-0.0843
Gm06	46982250	46983250	Gmdrm	hypo	CHH	-0.0405
Gm06	46997824	46998804	Gmdrm	hypo	CHH	-0.2405
Gm06	47007106	47008097	Gmdrm	hypo	CHH	-0.0193
Gm06	47012270	47013246	Gmdrm	hypo	CHH	-0.014
Gm06	47016144	47017140	Gmdrm	hypo	CHH	-0.0439
Gm06	47021202	47022198	Gmdrm	hypo	CHH	-0.0308
Gm06	47022203	47023199	Gmdrm	hypo	CHH	-0.1794
Gm06	47039047	47040047	Gmdrm	hypo	CHH	-0.019
Gm06	47050640	47051577	Gmdrm	hypo	CHH	-0.0302
Gm06	47058713	47059711	Gmdrm	hypo	CHH	-0.151
Gm06	47059727	47060727	Gmdrm	hypo	CHH	-0.1323
Gm06	47087604	47088586	Gmdrm	hypo	CHH	-0.0544

Gm06	47089809	47090792	Gmdrm	hypo	CHH	-0.0198
Gm06	47121520	47122460	Gmdrm	hypo	CHH	-0.0328
Gm06	47123546	47124382	Gmdrm	hypo	CHH	-0.2105
Gm06	47125950	47126938	Gmdrm	hypo	CHH	-0.1258
Gm06	47126951	47127941	Gmdrm	hypo	CHH	-0.065
Gm06	47127952	47128646	Gmdrm	hypo	CHH	-0.1015
Gm06	47128780	47129735	Gmdrm	hypo	CHH	-0.1248
Gm06	47167453	47167992	Gmdrm	hypo	CHH	-0.1513
Gm06	47168663	47169654	Gmdrm	hypo	CHH	-0.0821
Gm06	47169673	47170663	Gmdrm	hypo	CHH	-0.0328
Gm06	47170676	47171670	Gmdrm	hypo	CHH	-0.0402
Gm06	47173091	47174060	Gmdrm	hypo	CHH	-0.0708
Gm06	47174276	47175268	Gmdrm	hypo	CHH	-0.0743
Gm06	47175294	47176290	Gmdrm	hypo	CHH	-0.0525
Gm06	47176322	47177321	Gmdrm	hypo	CHH	-0.0931
Gm06	47177325	47178040	Gmdrm	hypo	CHH	-0.1198
Gm06	47178186	47179186	Gmdrm	hypo	CHH	-0.1416
Gm06	47191547	47192532	Gmdrm	hypo	CHH	-0.0171
Gm06	47194933	47195919	Gmdrm	hypo	CHH	-0.0262
Gm06	47203416	47204416	Gmdrm	hypo	CHH	-0.1291
Gm06	47204421	47204724	Gmdrm	hypo	CHH	-0.3191
Gm06	47207896	47208875	Gmdrm	hypo	CHH	-0.0372
Gm06	47245768	47246763	Gmdrm	hypo	CHH	-0.03
Gm06	47276418	47277407	Gmdrm	hypo	CHH	-0.0219
Gm06	47293043	47294025	Gmdrm	hypo	CHH	-0.0387
Gm06	47309218	47310215	Gmdrm	hypo	CHH	-0.0382
Gm06	47318947	47319942	Gmdrm	hypo	CHH	-0.0106
Gm06	47324220	47325220	Gmdrm	hypo	CHH	-0.2116
Gm06	47330252	47331242	Gmdrm	hypo	CHH	-0.0454
Gm06	47331254	47332251	Gmdrm	hypo	CHH	-0.0664
Gm06	47332287	47333285	Gmdrm	hypo	CHH	-0.0432
Gm06	47333291	47334267	Gmdrm	hypo	CHH	-0.0444
Gm06	47338327	47339324	Gmdrm	hypo	CHH	-0.0185
Gm06	47339338	47340148	Gmdrm	hypo	CHH	-0.0157
Gm06	47341300	47342293	Gmdrm	hypo	CHH	-0.0833
Gm06	47342311	47343302	Gmdrm	hypo	CHH	-0.0327
Gm06	47350622	47351601	Gmdrm	hypo	CHH	-0.0214
Gm06	47352301	47353289	Gmdrm	hypo	CHH	-0.0171
Gm06	47362200	47363192	Gmdrm	hypo	CHH	-0.0561
Gm06	47363203	47364202	Gmdrm	hypo	CHH	-0.0474
Gm06	47377044	47378035	Gmdrm	hypo	CHH	-0.1253
Gm06	47381883	47382729	Gmdrm	hypo	CHH	-0.0171
Gm06	47384757	47385749	Gmdrm	hypo	CHH	-0.3073
Gm06	47388065	47389047	Gmdrm	hypo	CHH	-0.0116
Gm06	47393115	47393871	Gmdrm	hypo	CHH	-0.1124
Gm06	47395332	47396317	Gmdrm	hypo	CHH	-0.015

Gm06	47421174	47422048 Gmdrm	hypo	CHH	-0.109
Gm06	47425954	47426949 Gmdrm	hypo	CHH	-0.0765
Gm06	47426962	47427959 Gmdrm	hypo	CHH	-0.054
Gm06	47427963	47428960 Gmdrm	hypo	CHH	-0.0387
Gm06	47428966	47429956 Gmdrm	hypo	CHH	-0.0813
Gm06	47434789	47435769 Gmdrm	hypo	CHH	-0.0488
Gm06	47435800	47436796 Gmdrm	hypo	CHH	-0.0615
Gm06	47441120	47442116 Gmdrm	hypo	CHH	-0.0124
Gm06	47444132	47444458 Gmdrm	hypo	CHH	-0.06
Gm06	47445769	47446743 Gmdrm	hypo	CHH	-0.0254
Gm06	47446784	47447777 Gmdrm	hypo	CHH	-0.1402
Gm06	47472242	47473220 Gmdrm	hypo	CHH	-0.082
Gm06	47474902	47475890 Gmdrm	hypo	CHH	-0.0853
Gm06	47475904	47476904 Gmdrm	hypo	CHH	-0.1777
Gm06	47476909	47477372 Gmdrm	hypo	CHH	-0.2714
Gm06	47478409	47479382 Gmdrm	hypo	CHH	-0.0473
Gm06	47479427	47480423 Gmdrm	hypo	CHH	-0.0918
Gm06	47482439	47483424 Gmdrm	hypo	CHH	-0.075
Gm06	47487307	47488109 Gmdrm	hypo	CHH	-0.0438
Gm06	47490533	47490727 Gmdrm	hypo	CHH	-0.0717
Gm06	47490926	47491925 Gmdrm	hypo	CHH	-0.04
Gm06	47493368	47494366 Gmdrm	hypo	CHH	-0.0101
Gm06	47494378	47495378 Gmdrm	hypo	CHH	-0.1208
Gm06	47495379	47496372 Gmdrm	hypo	CHH	-0.2349
Gm06	47508202	47509170 Gmdrm	hypo	CHH	-0.0139
Gm06	47511470	47512459 Gmdrm	hypo	CHH	-0.0191
Gm06	47512472	47513471 Gmdrm	hypo	CHH	-0.061
Gm06	47513474	47513966 Gmdrm	hypo	CHH	-0.0445
Gm06	47514291	47515286 Gmdrm	hypo	CHH	-0.0622
Gm06	47515296	47516296 Gmdrm	hypo	CHH	-0.0362
Gm06	47516298	47517295 Gmdrm	hypo	CHH	-0.05
Gm06	47517323	47518310 Gmdrm	hypo	CHH	-0.0341
Gm06	47533563	47534554 Gmdrm	hypo	CHH	-0.2751
Gm06	47534565	47535561 Gmdrm	hypo	CHH	-0.069
Gm06	47535569	47536562 Gmdrm	hypo	CHH	-0.0614
Gm06	47536575	47537378 Gmdrm	hypo	CHH	-0.021
Gm06	47544524	47545291 Gmdrm	hypo	CHH	-0.2356
Gm06	47547601	47547808 Gmdrm	hypo	CHH	-0.04
Gm06	47552632	47553628 Gmdrm	hypo	CHH	-0.0191
Gm06	47567263	47568239 Gmdrm	hypo	CHH	-0.038
Gm06	47568289	47569274 Gmdrm	hypo	CHH	-0.0326
Gm06	47571444	47572436 Gmdrm	hypo	CHH	-0.0209
Gm06	47577030	47578018 Gmdrm	hypo	CHH	-0.2158
Gm06	47580505	47581497 Gmdrm	hypo	CHH	-0.0543
Gm06	47583516	47584511 Gmdrm	hypo	CHH	-0.0727
Gm06	47592241	47593240 Gmdrm	hypo	CHH	-0.0102

Gm06	47605262	47606256	Gmdrm	hypo	CHH	-0.2458
Gm06	47606266	47607266	Gmdrm	hypo	CHH	-0.0569
Gm06	47623553	47624157	Gmdrm	hypo	CHH	-0.4755
Gm06	47650192	47651189	Gmdrm	hypo	CHH	-0.0168
Gm06	47653231	47653413	Gmdrm	hypo	CHH	-0.0433
Gm06	47684777	47685746	Gmdrm	hypo	CHH	-0.0218
Gm06	47686802	47687791	Gmdrm	hypo	CHH	-0.1233
Gm06	47690273	47691049	Gmdrm	hypo	CHH	-0.0383
Gm06	47691169	47692161	Gmdrm	hypo	CHH	-0.0378
Gm06	47697859	47698857	Gmdrm	hypo	CHH	-0.0708
Gm06	47702385	47703361	Gmdrm	hypo	CHH	-0.0319
Gm06	47707693	47708690	Gmdrm	hypo	CHH	-0.0672
Gm06	47708723	47709464	Gmdrm	hypo	CHH	-0.0339
Gm06	47712647	47713637	Gmdrm	hypo	CHH	-0.0777
Gm06	47718403	47719402	Gmdrm	hypo	CHH	-0.1938
Gm06	47719408	47719999	Gmdrm	hypo	CHH	-0.0988
Gm06	47721129	47722096	Gmdrm	hypo	CHH	-0.0178
Gm06	47726192	47727162	Gmdrm	hypo	CHH	-0.2974
Gm06	47727200	47728179	Gmdrm	hypo	CHH	-0.203
Gm06	47734076	47735048	Gmdrm	hypo	CHH	-0.0576
Gm06	47735078	47735571	Gmdrm	hypo	CHH	-0.0976
Gm06	47753743	47754737	Gmdrm	hypo	CHH	-0.0212
Gm06	47755280	47756279	Gmdrm	hypo	CHH	-0.2327
Gm06	47761718	47762169	Gmdrm	hypo	CHH	-0.1406
Gm06	47775032	47776022	Gmdrm	hypo	CHH	-0.0561
Gm06	47776039	47777032	Gmdrm	hypo	CHH	-0.1937
Gm06	47780502	47781498	Gmdrm	hypo	CHH	-0.1019
Gm06	47781504	47782243	Gmdrm	hypo	CHH	-0.143
Gm06	47785833	47786831	Gmdrm	hypo	CHH	-0.0539
Gm06	47786842	47787605	Gmdrm	hypo	CHH	-0.2774
Gm06	47794878	47795877	Gmdrm	hypo	CHH	-0.08
Gm06	47795886	47796870	Gmdrm	hypo	CHH	-0.1478
Gm06	47796915	47797910	Gmdrm	hypo	CHH	-0.1514
Gm06	47801122	47801508	Gmdrm	hypo	CHH	-0.1644
Gm06	47806548	47806698	Gmdrm	hypo	CHH	-0.0543
Gm06	47824265	47825252	Gmdrm	hypo	CHH	-0.2284
Gm06	47834609	47835578	Gmdrm	hypo	CHH	-0.1043
Gm06	47841399	47842385	Gmdrm	hypo	CHH	-0.0146
Gm06	47843822	47844814	Gmdrm	hypo	CHH	-0.0188
Gm06	47844824	47845777	Gmdrm	hypo	CHH	-0.0921
Gm06	47846837	47847834	Gmdrm	hypo	CHH	-0.1404
Gm06	47850875	47851874	Gmdrm	hypo	CHH	-0.034
Gm06	47851877	47852854	Gmdrm	hypo	CHH	-0.0832
Gm06	47854630	47855629	Gmdrm	hypo	CHH	-0.0619
Gm06	47855634	47856622	Gmdrm	hypo	CHH	-0.0439
Gm06	47870271	47870818	Gmdrm	hypo	CHH	-0.0517

Gm06	47872973	47873235	Gmdrm	hypo	CHH	-0.046
Gm06	47881426	47882424	Gmdrm	hypo	CHH	-0.0753
Gm06	47883825	47884792	Gmdrm	hypo	CHH	-0.0961
Gm06	47886694	47887694	Gmdrm	hypo	CHH	-0.0619
Gm06	47887697	47888696	Gmdrm	hypo	CHH	-0.0446
Gm06	47894040	47895036	Gmdrm	hypo	CHH	-0.0488
Gm06	47897082	47898082	Gmdrm	hypo	CHH	-0.0487
Gm06	47898089	47899071	Gmdrm	hypo	CHH	-0.0173
Gm06	47909648	47910092	Gmdrm	hypo	CHH	-0.1283
Gm06	47910303	47911293	Gmdrm	hypo	CHH	-0.0823
Gm06	47912314	47913307	Gmdrm	hypo	CHH	-0.087
Gm06	47936526	47937482	Gmdrm	hypo	CHH	-0.0233
Gm06	47938548	47939529	Gmdrm	hypo	CHH	-0.0795
Gm06	47939551	47940488	Gmdrm	hypo	CHH	-0.0872
Gm06	47951018	47952000	Gmdrm	hypo	CHH	-0.0113
Gm06	47956438	47957438	Gmdrm	hypo	CHH	-0.0305
Gm06	47957440	47958429	Gmdrm	hypo	CHH	-0.0458
Gm06	47959464	47960461	Gmdrm	hypo	CHH	-0.0396
Gm06	47963712	47964702	Gmdrm	hypo	CHH	-0.02
Gm06	47965739	47966682	Gmdrm	hypo	CHH	-0.0611
Gm06	47992658	47993655	Gmdrm	hypo	CHH	-0.0284
Gm06	47993663	47994514	Gmdrm	hypo	CHH	-0.0679
Gm06	48001877	48002864	Gmdrm	hypo	CHH	-0.0526
Gm06	48016469	48017457	Gmdrm	hypo	CHH	-0.0189
Gm06	48017814	48018811	Gmdrm	hypo	CHH	-0.02
Gm06	48023401	48024371	Gmdrm	hypo	CHH	-0.1158
Gm06	48031603	48032598	Gmdrm	hypo	CHH	-0.2083
Gm06	48033477	48034474	Gmdrm	hypo	CHH	-0.0715
Gm06	48055054	48056035	Gmdrm	hypo	CHH	-0.0212
Gm06	48056069	48057062	Gmdrm	hypo	CHH	-0.0253
Gm06	48060927	48061922	Gmdrm	hypo	CHH	-0.0186
Gm06	48066044	48067028	Gmdrm	hypo	CHH	-0.0444
Gm06	48069870	48070868	Gmdrm	hypo	CHH	-0.0143
Gm06	48071899	48072217	Gmdrm	hypo	CHH	-0.046
Gm06	48073873	48074847	Gmdrm	hypo	CHH	-0.0152
Gm06	48080832	48081832	Gmdrm	hypo	CHH	-0.2471
Gm06	48089748	48090740	Gmdrm	hypo	CHH	-0.022
Gm06	48092843	48093838	Gmdrm	hypo	CHH	-0.2437
Gm06	48093844	48094792	Gmdrm	hypo	CHH	-0.2028
Gm06	48100645	48101637	Gmdrm	hypo	CHH	-0.0112
Gm06	48101657	48102655	Gmdrm	hypo	CHH	-0.02
Gm06	48173436	48174422	Gmdrm	hypo	CHH	-0.0424
Gm06	48181218	48182186	Gmdrm	hypo	CHH	-0.2609
Gm06	48194707	48195690	Gmdrm	hypo	CHH	-0.135
Gm06	48203038	48203977	Gmdrm	hypo	CHH	-0.0363
Gm06	48225176	48226154	Gmdrm	hypo	CHH	-0.1201

Gm06	48226183	48227159	Gmdrm	hypo	CHH	-0.0272
Gm06	48230881	48231880	Gmdrm	hypo	CHH	-0.029
Gm06	48235254	48235659	Gmdrm	hypo	CHH	-0.0231
Gm06	48252535	48252611	Gmdrm	hypo	CHH	-0.06
Gm06	48252721	48253701	Gmdrm	hypo	CHH	-0.0154
Gm06	48256852	48257832	Gmdrm	hypo	CHH	-0.0369
Gm06	48257868	48258854	Gmdrm	hypo	CHH	-0.0247
Gm06	48258885	48259806	Gmdrm	hypo	CHH	-0.0135
Gm06	48267024	48268008	Gmdrm	hypo	CHH	-0.0176
Gm06	48268043	48268895	Gmdrm	hypo	CHH	-0.0466
Gm06	48269121	48270114	Gmdrm	hypo	CHH	-0.06
Gm06	48270125	48271111	Gmdrm	hypo	CHH	-0.0736
Gm06	48272180	48273173	Gmdrm	hypo	CHH	-0.0244
Gm06	48273236	48274221	Gmdrm	hypo	CHH	-0.0574
Gm06	48283437	48284436	Gmdrm	hypo	CHH	-0.0631
Gm06	48284445	48285413	Gmdrm	hypo	CHH	-0.0799
Gm06	48285461	48286142	Gmdrm	hypo	CHH	-0.1429
Gm06	48289077	48290059	Gmdrm	hypo	CHH	-0.0173
Gm06	48293855	48294855	Gmdrm	hypo	CHH	-0.0845
Gm06	48294856	48295849	Gmdrm	hypo	CHH	-0.0754
Gm06	48298645	48299627	Gmdrm	hypo	CHH	-0.062
Gm06	48300655	48301654	Gmdrm	hypo	CHH	-0.0617
Gm06	48301657	48302645	Gmdrm	hypo	CHH	-0.0157
Gm06	48308774	48309762	Gmdrm	hypo	CHH	-0.0161
Gm06	48322658	48323654	Gmdrm	hypo	CHH	-0.1251
Gm06	48323661	48324651	Gmdrm	hypo	CHH	-0.1216
Gm06	48331718	48332713	Gmdrm	hypo	CHH	-0.1002
Gm06	48332720	48333454	Gmdrm	hypo	CHH	-0.056
Gm06	48337279	48338278	Gmdrm	hypo	CHH	-0.0647
Gm06	48338281	48338866	Gmdrm	hypo	CHH	-0.038
Gm06	48339698	48340695	Gmdrm	hypo	CHH	-0.0612
Gm06	48340702	48341700	Gmdrm	hypo	CHH	-0.0414
Gm06	48341724	48342179	Gmdrm	hypo	CHH	-0.0578
Gm06	48363877	48364843	Gmdrm	hypo	CHH	-0.0312
Gm06	48364884	48365884	Gmdrm	hypo	CHH	-0.0841
Gm06	48365888	48366886	Gmdrm	hypo	CHH	-0.015
Gm06	48373575	48374568	Gmdrm	hypo	CHH	-0.0507
Gm06	48382205	48383205	Gmdrm	hypo	CHH	-0.0932
Gm06	48383208	48384207	Gmdrm	hypo	CHH	-0.0578
Gm06	48388247	48389243	Gmdrm	hypo	CHH	-0.0509
Gm06	48411186	48412161	Gmdrm	hypo	CHH	-0.0165
Gm06	48412298	48412706	Gmdrm	hypo	CHH	-0.0571
Gm06	48414230	48415223	Gmdrm	hypo	CHH	-0.017
Gm06	48415239	48416236	Gmdrm	hypo	CHH	-0.0869
Gm06	48416240	48417170	Gmdrm	hypo	CHH	-0.0431
Gm06	48418049	48419043	Gmdrm	hypo	CHH	-0.1629

Gm06	48419052	48420028	Gmdrm	hypo	CHH	-0.0824
Gm06	48420058	48421043	Gmdrm	hypo	CHH	-0.0161
Gm06	48421059	48422036	Gmdrm	hypo	CHH	-0.0152
Gm06	48424417	48425389	Gmdrm	hypo	CHH	-0.2017
Gm06	48426440	48427440	Gmdrm	hypo	CHH	-0.1518
Gm06	48435544	48436540	Gmdrm	hypo	CHH	-0.1407
Gm06	48436547	48437544	Gmdrm	hypo	CHH	-0.0636
Gm06	48437576	48438575	Gmdrm	hypo	CHH	-0.0313
Gm06	48438579	48439551	Gmdrm	hypo	CHH	-0.129
Gm06	48447101	48447611	Gmdrm	hypo	CHH	-0.0167
Gm06	48454638	48455631	Gmdrm	hypo	CHH	-0.0675
Gm06	48459176	48460173	Gmdrm	hypo	CHH	-0.1151
Gm06	48460178	48461169	Gmdrm	hypo	CHH	-0.0938
Gm06	48462191	48463186	Gmdrm	hypo	CHH	-0.0242
Gm06	48470459	48471413	Gmdrm	hypo	CHH	-0.0616
Gm06	48473502	48474499	Gmdrm	hypo	CHH	-0.0248
Gm06	48474503	48475123	Gmdrm	hypo	CHH	-0.0266
Gm06	48481110	48482110	Gmdrm	hypo	CHH	-0.0336
Gm06	48495627	48496614	Gmdrm	hypo	CHH	-0.0191
Gm06	48504106	48504658	Gmdrm	hypo	CHH	-0.0372
Gm06	48509238	48510211	Gmdrm	hypo	CHH	-0.0148
Gm06	48516381	48517379	Gmdrm	hypo	CHH	-0.0137
Gm06	48524154	48525152	Gmdrm	hypo	CHH	-0.1665
Gm06	48525155	48525821	Gmdrm	hypo	CHH	-0.1733
Gm06	48525934	48526000	Gmdrm	hypo	CHH	-0.04
Gm06	48526136	48527130	Gmdrm	hypo	CHH	-0.0226
Gm06	48536080	48537078	Gmdrm	hypo	CHH	-0.0166
Gm06	48538394	48539364	Gmdrm	hypo	CHH	-0.0183
Gm06	48539403	48539934	Gmdrm	hypo	CHH	-0.0932
Gm06	48545059	48546048	Gmdrm	hypo	CHH	-0.0503
Gm06	48546073	48546613	Gmdrm	hypo	CHH	-0.0259
Gm06	48547730	48548719	Gmdrm	hypo	CHH	-0.0143
Gm06	48556258	48557031	Gmdrm	hypo	CHH	-0.2825
Gm06	48566615	48567596	Gmdrm	hypo	CHH	-0.0353
Gm06	48567624	48568578	Gmdrm	hypo	CHH	-0.015
Gm06	48569641	48570628	Gmdrm	hypo	CHH	-0.0817
Gm06	48570642	48571637	Gmdrm	hypo	CHH	-0.026
Gm06	48571644	48572608	Gmdrm	hypo	CHH	-0.0274
Gm06	48575540	48576535	Gmdrm	hypo	CHH	-0.0275
Gm06	48578150	48579144	Gmdrm	hypo	CHH	-0.0376
Gm06	48579152	48579590	Gmdrm	hypo	CHH	-0.0376
Gm06	48580753	48581218	Gmdrm	hypo	CHH	-0.0243
Gm06	48593422	48594403	Gmdrm	hypo	CHH	-0.2062
Gm06	48595437	48596427	Gmdrm	hypo	CHH	-0.0116
Gm06	48604883	48605874	Gmdrm	hypo	CHH	-0.0254
Gm06	48622173	48623156	Gmdrm	hypo	CHH	-0.0195

Gm06	48624623	48625151	Gmdrm	hypo	CHH	-0.0204
Gm06	48626294	48627111	Gmdrm	hypo	CHH	-0.0158
Gm06	48627438	48627495	Gmdrm	hypo	CHH	-0.14
Gm06	48628584	48629546	Gmdrm	hypo	CHH	-0.0267
Gm06	48631612	48632556	Gmdrm	hypo	CHH	-0.2606
Gm06	48649922	48650907	Gmdrm	hypo	CHH	-0.0139
Gm06	48655223	48656218	Gmdrm	hypo	CHH	-0.0823
Gm06	48656224	48657167	Gmdrm	hypo	CHH	-0.0759
Gm06	48662219	48662336	Gmdrm	hypo	CHH	-0.13
Gm06	48663210	48664202	Gmdrm	hypo	CHH	-0.0345
Gm06	48665392	48666345	Gmdrm	hypo	CHH	-0.0386
Gm06	48667425	48668416	Gmdrm	hypo	CHH	-0.0556
Gm06	48670475	48671448	Gmdrm	hypo	CHH	-0.02
Gm06	48678182	48679181	Gmdrm	hypo	CHH	-0.1087
Gm06	48685241	48686222	Gmdrm	hypo	CHH	-0.0324
Gm06	48688726	48689719	Gmdrm	hypo	CHH	-0.0162
Gm06	48690353	48691348	Gmdrm	hypo	CHH	-0.0184
Gm06	48696679	48697653	Gmdrm	hypo	CHH	-0.015
Gm06	48701417	48702152	Gmdrm	hypo	CHH	-0.0266
Gm06	48706017	48707016	Gmdrm	hypo	CHH	-0.2208
Gm06	48708069	48709067	Gmdrm	hypo	CHH	-0.023
Gm06	48709073	48710058	Gmdrm	hypo	CHH	-0.1478
Gm06	48710373	48711370	Gmdrm	hypo	CHH	-0.028
Gm06	48715406	48716389	Gmdrm	hypo	CHH	-0.1669
Gm06	48717170	48718163	Gmdrm	hypo	CHH	-0.0861
Gm06	48808591	48809587	Gmdrm	hypo	CHH	-0.0433
Gm06	48809602	48810595	Gmdrm	hypo	CHH	-0.055
Gm06	48810630	48811621	Gmdrm	hypo	CHH	-0.1276
Gm06	48814761	48815738	Gmdrm	hypo	CHH	-0.026
Gm06	48834165	48835164	Gmdrm	hypo	CHH	-0.063
Gm06	48837214	48838205	Gmdrm	hypo	CHH	-0.027
Gm06	48840518	48841505	Gmdrm	hypo	CHH	-0.0153
Gm06	48841531	48842509	Gmdrm	hypo	CHH	-0.0155
Gm06	48844420	48845379	Gmdrm	hypo	CHH	-0.2567
Gm06	48864858	48865857	Gmdrm	hypo	CHH	-0.0117
Gm06	48871892	48872889	Gmdrm	hypo	CHH	-0.0517
Gm06	48877939	48878023	Gmdrm	hypo	CHH	-0.0457
Gm06	48881316	48882315	Gmdrm	hypo	CHH	-0.0459
Gm06	48897083	48898051	Gmdrm	hypo	CHH	-0.035
Gm06	48898084	48899061	Gmdrm	hypo	CHH	-0.0127
Gm06	48903455	48904447	Gmdrm	hypo	CHH	-0.0433
Gm06	48905594	48906592	Gmdrm	hypo	CHH	-0.0266
Gm06	48932126	48933115	Gmdrm	hypo	CHH	-0.0255
Gm06	48934433	48935432	Gmdrm	hypo	CHH	-0.0143
Gm06	48944057	48945024	Gmdrm	hypo	CHH	-0.019
Gm06	48946462	48947460	Gmdrm	hypo	CHH	-0.0293

Gm06	48947465	48948465	Gmdrm	hypo	CHH	-0.0412
Gm06	48948468	48949465	Gmdrm	hypo	CHH	-0.0667
Gm06	48952703	48953698	Gmdrm	hypo	CHH	-0.0261
Gm06	48956306	48957305	Gmdrm	hypo	CHH	-0.1525
Gm06	48957307	48958302	Gmdrm	hypo	CHH	-0.0635
Gm06	48966312	48967281	Gmdrm	hypo	CHH	-0.07
Gm06	48977593	48978576	Gmdrm	hypo	CHH	-0.0231
Gm06	48979189	48980184	Gmdrm	hypo	CHH	-0.0258
Gm06	48980190	48981181	Gmdrm	hypo	CHH	-0.0176
Gm06	48981214	48982211	Gmdrm	hypo	CHH	-0.0152
Gm06	48982255	48983115	Gmdrm	hypo	CHH	-0.1014
Gm06	48989422	48990418	Gmdrm	hypo	CHH	-0.0214
Gm06	49006137	49007135	Gmdrm	hypo	CHH	-0.076
Gm06	49007150	49007652	Gmdrm	hypo	CHH	-0.1793
Gm06	49030244	49031242	Gmdrm	hypo	CHH	-0.036
Gm06	49031246	49032243	Gmdrm	hypo	CHH	-0.145
Gm06	49032254	49033254	Gmdrm	hypo	CHH	-0.0626
Gm06	49033282	49033336	Gmdrm	hypo	CHH	-0.0622
Gm06	49037387	49037666	Gmdrm	hypo	CHH	-0.0305
Gm06	49041520	49042520	Gmdrm	hypo	CHH	-0.057
Gm06	49043542	49044539	Gmdrm	hypo	CHH	-0.0229
Gm06	49048583	49049578	Gmdrm	hypo	CHH	-0.0605
Gm06	49053762	49054762	Gmdrm	hypo	CHH	-0.1983
Gm06	49054766	49055708	Gmdrm	hypo	CHH	-0.1242
Gm06	49055771	49056767	Gmdrm	hypo	CHH	-0.0521
Gm06	49056780	49057512	Gmdrm	hypo	CHH	-0.0712
Gm06	49059462	49060025	Gmdrm	hypo	CHH	-0.1121
Gm06	49066006	49067004	Gmdrm	hypo	CHH	-0.1704
Gm06	49067403	49068114	Gmdrm	hypo	CHH	-0.2969
Gm06	49073327	49074319	Gmdrm	hypo	CHH	-0.0215
Gm06	49105142	49106130	Gmdrm	hypo	CHH	-0.0125
Gm06	49109197	49110190	Gmdrm	hypo	CHH	-0.2617
Gm06	49117451	49118138	Gmdrm	hypo	CHH	-0.1013
Gm06	49119384	49120384	Gmdrm	hypo	CHH	-0.0609
Gm06	49120385	49121374	Gmdrm	hypo	CHH	-0.0856
Gm06	49135425	49136424	Gmdrm	hypo	CHH	-0.0167
Gm06	49152211	49153210	Gmdrm	hypo	CHH	-0.0167
Gm06	49155353	49155912	Gmdrm	hypo	CHH	-0.1802
Gm06	49166110	49167089	Gmdrm	hypo	CHH	-0.012
Gm06	49176920	49177907	Gmdrm	hypo	CHH	-0.0504
Gm06	49177936	49178743	Gmdrm	hypo	CHH	-0.0841
Gm06	49182841	49183804	Gmdrm	hypo	CHH	-0.0229
Gm06	49186682	49187452	Gmdrm	hypo	CHH	-0.2575
Gm06	49193117	49194110	Gmdrm	hypo	CHH	-0.0292
Gm06	49195735	49196205	Gmdrm	hypo	CHH	-0.0552
Gm06	49209594	49210572	Gmdrm	hypo	CHH	-0.0274

Gm06	49213555	49214543	Gmdrm	hypo	CHH	-0.0311
Gm06	49215587	49216489	Gmdrm	hypo	CHH	-0.0304
Gm06	49231259	49232185	Gmdrm	hypo	CHH	-0.0155
Gm06	49238440	49239418	Gmdrm	hypo	CHH	-0.023
Gm06	49239454	49239614	Gmdrm	hypo	CHH	-0.026
Gm06	49275299	49275838	Gmdrm	hypo	CHH	-0.0184
Gm06	49283323	49283493	Gmdrm	hypo	CHH	-0.0388
Gm06	49283720	49284715	Gmdrm	hypo	CHH	-0.0148
Gm06	49309984	49310982	Gmdrm	hypo	CHH	-0.0153
Gm06	49335804	49336773	Gmdrm	hypo	CHH	-0.0118
Gm06	49337147	49338141	Gmdrm	hypo	CHH	-0.0305
Gm06	49338150	49339133	Gmdrm	hypo	CHH	-0.0589
Gm06	49339166	49340160	Gmdrm	hypo	CHH	-0.0742
Gm06	49340333	49340929	Gmdrm	hypo	CHH	-0.0273
Gm06	49341633	49342608	Gmdrm	hypo	CHH	-0.0194
Gm06	49343710	49344698	Gmdrm	hypo	CHH	-0.0403
Gm06	49351557	49352152	Gmdrm	hypo	CHH	-0.0298
Gm06	49363573	49364199	Gmdrm	hypo	CHH	-0.1265
Gm06	49367155	49367679	Gmdrm	hypo	CHH	-0.1147
Gm06	49368995	49369974	Gmdrm	hypo	CHH	-0.0378
Gm06	49376093	49377089	Gmdrm	hypo	CHH	-0.0615
Gm06	49377135	49378129	Gmdrm	hypo	CHH	-0.0813
Gm06	49382848	49383832	Gmdrm	hypo	CHH	-0.0301
Gm06	49383851	49383905	Gmdrm	hypo	CHH	-0.032
Gm06	49390880	49391876	Gmdrm	hypo	CHH	-0.1129
Gm06	49391883	49392864	Gmdrm	hypo	CHH	-0.0654
Gm06	49392915	49393915	Gmdrm	hypo	CHH	-0.0597
Gm06	49402069	49403060	Gmdrm	hypo	CHH	-0.0581
Gm06	49405799	49406789	Gmdrm	hypo	CHH	-0.2579
Gm06	49432965	49433913	Gmdrm	hypo	CHH	-0.013
Gm06	49445269	49446251	Gmdrm	hypo	CHH	-0.2031
Gm06	49455261	49456228	Gmdrm	hypo	CHH	-0.0843
Gm06	49459217	49460200	Gmdrm	hypo	CHH	-0.1394
Gm06	49470929	49471747	Gmdrm	hypo	CHH	-0.0495
Gm06	49473617	49474611	Gmdrm	hypo	CHH	-0.0203
Gm06	49480950	49481946	Gmdrm	hypo	CHH	-0.0912
Gm06	49481965	49482948	Gmdrm	hypo	CHH	-0.0762
Gm06	49488265	49488719	Gmdrm	hypo	CHH	-0.1203
Gm06	49492867	49493860	Gmdrm	hypo	CHH	-0.0326
Gm06	49493904	49494890	Gmdrm	hypo	CHH	-0.0252
Gm06	49499091	49500088	Gmdrm	hypo	CHH	-0.048
Gm06	49503492	49504490	Gmdrm	hypo	CHH	-0.0293
Gm06	49504533	49505525	Gmdrm	hypo	CHH	-0.115
Gm06	49505536	49506535	Gmdrm	hypo	CHH	-0.0678
Gm06	49506538	49507535	Gmdrm	hypo	CHH	-0.0232
Gm06	49513262	49513504	Gmdrm	hypo	CHH	-0.0484

Gm06	49514342	49515326	Gmdrm	hypo	CHH	-0.0289
Gm06	49528916	49529857	Gmdrm	hypo	CHH	-0.0336
Gm06	49529971	49530953	Gmdrm	hypo	CHH	-0.0361
Gm06	49530978	49531967	Gmdrm	hypo	CHH	-0.0321
Gm06	49534469	49535459	Gmdrm	hypo	CHH	-0.0176
Gm06	49537891	49538887	Gmdrm	hypo	CHH	-0.0255
Gm06	49550766	49551737	Gmdrm	hypo	CHH	-0.0157
Gm06	49554774	49555746	Gmdrm	hypo	CHH	-0.0347
Gm06	49561923	49562920	Gmdrm	hypo	CHH	-0.0358
Gm06	49577986	49578933	Gmdrm	hypo	CHH	-0.0166
Gm06	49596965	49597963	Gmdrm	hypo	CHH	-0.1419
Gm06	49597978	49598968	Gmdrm	hypo	CHH	-0.2388
Gm06	49598995	49599524	Gmdrm	hypo	CHH	-0.0182
Gm06	49610043	49611028	Gmdrm	hypo	CHH	-0.0399
Gm06	49611050	49612049	Gmdrm	hypo	CHH	-0.1752
Gm06	49619851	49620830	Gmdrm	hypo	CHH	-0.0187
Gm06	49624974	49625933	Gmdrm	hypo	CHH	-0.0263
Gm06	49628002	49629000	Gmdrm	hypo	CHH	-0.0574
Gm06	49629003	49630003	Gmdrm	hypo	CHH	-0.0404
Gm06	49630005	49630283	Gmdrm	hypo	CHH	-0.0667
Gm06	49639085	49640081	Gmdrm	hypo	CHH	-0.0478
Gm06	49640096	49641082	Gmdrm	hypo	CHH	-0.0287
Gm06	49642403	49643389	Gmdrm	hypo	CHH	-0.0399
Gm06	49654570	49655160	Gmdrm	hypo	CHH	-0.0867
Gm06	49657888	49658868	Gmdrm	hypo	CHH	-0.0162
Gm06	49659964	49660958	Gmdrm	hypo	CHH	-0.0573
Gm06	49660974	49661965	Gmdrm	hypo	CHH	-0.0318
Gm06	49682133	49683128	Gmdrm	hypo	CHH	-0.0433
Gm06	49698711	49699676	Gmdrm	hypo	CHH	-0.0582
Gm06	49704371	49705367	Gmdrm	hypo	CHH	-0.084
Gm06	49720461	49721460	Gmdrm	hypo	CHH	-0.0677
Gm06	49721464	49722376	Gmdrm	hypo	CHH	-0.0658
Gm06	49742513	49743504	Gmdrm	hypo	CHH	-0.0432
Gm06	49748541	49749539	Gmdrm	hypo	CHH	-0.0474
Gm06	49757412	49758402	Gmdrm	hypo	CHH	-0.0237
Gm06	49771606	49772600	Gmdrm	hypo	CHH	-0.0616
Gm06	49779439	49780415	Gmdrm	hypo	CHH	-0.1019
Gm06	49780453	49781450	Gmdrm	hypo	CHH	-0.0412
Gm06	49804330	49805309	Gmdrm	hypo	CHH	-0.031
Gm06	49810087	49811018	Gmdrm	hypo	CHH	-0.0218
Gm06	49812657	49813655	Gmdrm	hypo	CHH	-0.0471
Gm06	49820191	49821183	Gmdrm	hypo	CHH	-0.0431
Gm06	49821215	49822213	Gmdrm	hypo	CHH	-0.0648
Gm06	49836114	49837114	Gmdrm	hypo	CHH	-0.0186
Gm06	49843596	49844574	Gmdrm	hypo	CHH	-0.0223
Gm06	49849791	49850772	Gmdrm	hypo	CHH	-0.1319

Gm06	49850801	49851795	Gmdrm	hypo	CHH	-0.0329
Gm06	49853842	49854830	Gmdrm	hypo	CHH	-0.1436
Gm06	49858443	49859435	Gmdrm	hypo	CHH	-0.0214
Gm06	49875176	49876162	Gmdrm	hypo	CHH	-0.0228
Gm06	49876184	49877143	Gmdrm	hypo	CHH	-0.0159
Gm06	49882499	49883467	Gmdrm	hypo	CHH	-0.018
Gm06	49886489	49887481	Gmdrm	hypo	CHH	-0.0684
Gm06	49887515	49888467	Gmdrm	hypo	CHH	-0.0207
Gm06	49889635	49890626	Gmdrm	hypo	CHH	-0.0413
Gm06	49894660	49895651	Gmdrm	hypo	CHH	-0.0171
Gm06	49903551	49904548	Gmdrm	hypo	CHH	-0.02
Gm06	49904554	49905547	Gmdrm	hypo	CHH	-0.0147
Gm06	49914913	49915910	Gmdrm	hypo	CHH	-0.0507
Gm06	49915915	49916226	Gmdrm	hypo	CHH	-0.0308
Gm06	49916347	49917336	Gmdrm	hypo	CHH	-0.1536
Gm06	49917349	49918299	Gmdrm	hypo	CHH	-0.0494
Gm06	49919951	49920251	Gmdrm	hypo	CHH	-0.0413
Gm06	49937230	49938228	Gmdrm	hypo	CHH	-0.015
Gm06	49943107	49944099	Gmdrm	hypo	CHH	-0.0133
Gm06	49947119	49948113	Gmdrm	hypo	CHH	-0.0243
Gm06	49950055	49951036	Gmdrm	hypo	CHH	-0.0366
Gm06	49951077	49951256	Gmdrm	hypo	CHH	-0.0985
Gm06	49951394	49951598	Gmdrm	hypo	CHH	-0.1371
Gm06	49951710	49952701	Gmdrm	hypo	CHH	-0.0667
Gm06	49970485	49971476	Gmdrm	hypo	CHH	-0.0138
Gm06	49971502	49972131	Gmdrm	hypo	CHH	-0.0384
Gm06	49972258	49973257	Gmdrm	hypo	CHH	-0.1645
Gm06	49977300	49978295	Gmdrm	hypo	CHH	-0.1891
Gm06	49986880	49987862	Gmdrm	hypo	CHH	-0.0947
Gm06	49989907	49990893	Gmdrm	hypo	CHH	-0.1196
Gm06	49990998	49991981	Gmdrm	hypo	CHH	-0.0361
Gm06	49991999	49992993	Gmdrm	hypo	CHH	-0.0851
Gm06	49993003	49993969	Gmdrm	hypo	CHH	-0.0598
Gm06	50003297	50004297	Gmdrm	hypo	CHH	-0.021
Gm06	50029069	50030065	Gmdrm	hypo	CHH	-0.078
Gm06	50035154	50036153	Gmdrm	hypo	CHH	-0.0205
Gm06	50041636	50042620	Gmdrm	hypo	CHH	-0.0762
Gm06	50050011	50050740	Gmdrm	hypo	CHH	-0.0659
Gm06	50050872	50051600	Gmdrm	hypo	CHH	-0.0641
Gm06	50070487	50071487	Gmdrm	hypo	CHH	-0.0208
Gm06	50082534	50083519	Gmdrm	hypo	CHH	-0.0338
Gm06	50089710	50090536	Gmdrm	hypo	CHH	-0.0854
Gm06	50093978	50094321	Gmdrm	hypo	CHH	-0.3724
Gm06	50107385	50108372	Gmdrm	hypo	CHH	-0.0189
Gm06	50109400	50110396	Gmdrm	hypo	CHH	-0.0438
Gm06	50113450	50114449	Gmdrm	hypo	CHH	-0.1196

Gm06	50116127	50117099	Gmdrm	hypo	CHH	-0.1196
Gm06	50121250	50122250	Gmdrm	hypo	CHH	-0.1063
Gm06	50122259	50123256	Gmdrm	hypo	CHH	-0.0414
Gm06	50123277	50124258	Gmdrm	hypo	CHH	-0.0466
Gm06	50125336	50126334	Gmdrm	hypo	CHH	-0.0125
Gm06	50134135	50135134	Gmdrm	hypo	CHH	-0.0949
Gm06	50135138	50136135	Gmdrm	hypo	CHH	-0.0508
Gm06	50160400	50161073	Gmdrm	hypo	CHH	-0.0376
Gm06	50164933	50165929	Gmdrm	hypo	CHH	-0.0457
Gm06	50165939	50165992	Gmdrm	hypo	CHH	-0.771
Gm06	50167533	50168522	Gmdrm	hypo	CHH	-0.1329
Gm06	50178886	50179883	Gmdrm	hypo	CHH	-0.034
Gm06	50188870	50189085	Gmdrm	hypo	CHH	-0.0605
Gm06	50189210	50190147	Gmdrm	hypo	CHH	-0.0805
Gm06	50190211	50191210	Gmdrm	hypo	CHH	-0.0566
Gm06	50196471	50197471	Gmdrm	hypo	CHH	-0.0251
Gm06	50197473	50198018	Gmdrm	hypo	CHH	-0.0495
Gm06	50198641	50199569	Gmdrm	hypo	CHH	-0.0349
Gm06	50213218	50214197	Gmdrm	hypo	CHH	-0.0188
Gm06	50219531	50220512	Gmdrm	hypo	CHH	-0.0628
Gm06	50223225	50224178	Gmdrm	hypo	CHH	-0.167
Gm06	50224228	50225221	Gmdrm	hypo	CHH	-0.0319
Gm06	50225229	50226213	Gmdrm	hypo	CHH	-0.0527
Gm06	50231333	50232317	Gmdrm	hypo	CHH	-0.0584
Gm06	50242593	50243592	Gmdrm	hypo	CHH	-0.0111
Gm06	50252176	50253133	Gmdrm	hypo	CHH	-0.0162
Gm06	50254912	50255904	Gmdrm	hypo	CHH	-0.0207
Gm06	50261585	50262581	Gmdrm	hypo	CHH	-0.0148
Gm06	50262982	50263977	Gmdrm	hypo	CHH	-0.0426
Gm06	50268552	50269539	Gmdrm	hypo	CHH	-0.117
Gm06	50272472	50273469	Gmdrm	hypo	CHH	-0.0334
Gm06	50273479	50274474	Gmdrm	hypo	CHH	-0.0225
Gm06	50278970	50279954	Gmdrm	hypo	CHH	-0.0129
Gm06	50317058	50318042	Gmdrm	hypo	CHH	-0.0989
Gm06	50324956	50325893	Gmdrm	hypo	CHH	-0.027
Gm06	50327907	50328898	Gmdrm	hypo	CHH	-0.0139
Gm06	50328908	50329905	Gmdrm	hypo	CHH	-0.0263
Gm06	50335344	50335437	Gmdrm	hypo	CHH	-0.062
Gm06	50335542	50336225	Gmdrm	hypo	CHH	-0.0221
Gm06	50346743	50347743	Gmdrm	hypo	CHH	-0.1258
Gm06	50347761	50348755	Gmdrm	hypo	CHH	-0.1776
Gm06	50351805	50352777	Gmdrm	hypo	CHH	-0.279
Gm06	50353820	50354805	Gmdrm	hypo	CHH	-0.0274
Gm06	50354828	50355822	Gmdrm	hypo	CHH	-0.0598
Gm06	50368264	50369255	Gmdrm	hypo	CHH	-0.0198
Gm06	50389350	50389450	Gmdrm	hypo	CHH	-0.1109

Gm06	50389656	50390288	Gmdrm	hypo	CHH	-0.0454
Gm06	50393429	50394420	Gmdrm	hypo	CHH	-0.0177
Gm06	50397917	50398906	Gmdrm	hypo	CHH	-0.0328
Gm06	50406173	50407140	Gmdrm	hypo	CHH	-0.0142
Gm06	50409242	50410237	Gmdrm	hypo	CHH	-0.0253
Gm06	50418596	50419592	Gmdrm	hypo	CHH	-0.0561
Gm06	50428497	50429148	Gmdrm	hypo	CHH	-0.0465
Gm06	50430258	50431250	Gmdrm	hypo	CHH	-0.0149
Gm06	50434294	50435116	Gmdrm	hypo	CHH	-0.0139
Gm06	50450602	50451070	Gmdrm	hypo	CHH	-0.0218
Gm06	50451192	50451670	Gmdrm	hypo	CHH	-0.057
Gm06	50452835	50453204	Gmdrm	hypo	CHH	-0.0844
Gm06	50458397	50459391	Gmdrm	hypo	CHH	-0.2506
Gm06	50475933	50476742	Gmdrm	hypo	CHH	-0.045
Gm06	50477772	50478766	Gmdrm	hypo	CHH	-0.1254
Gm06	50478783	50479783	Gmdrm	hypo	CHH	-0.0903
Gm06	50481722	50482098	Gmdrm	hypo	CHH	-0.0257
Gm06	50484863	50485108	Gmdrm	hypo	CHH	-0.1128
Gm06	50487158	50487713	Gmdrm	hypo	CHH	-0.0258
Gm06	50490724	50491184	Gmdrm	hypo	CHH	-0.0478
Gm06	50491912	50492115	Gmdrm	hypo	CHH	-0.131
Gm06	50503018	50504012	Gmdrm	hypo	CHH	-0.025
Gm06	50516293	50517282	Gmdrm	hypo	CHH	-0.0811
Gm06	50517354	50518346	Gmdrm	hypo	CHH	-0.0149
Gm06	50522313	50523247	Gmdrm	hypo	CHH	-0.0292
Gm06	50547537	50548523	Gmdrm	hypo	CHH	-0.1224
Gm06	50549956	50550956	Gmdrm	hypo	CHH	-0.0099
Gm06	50557073	50558070	Gmdrm	hypo	CHH	-0.1186
Gm06	50560908	50561904	Gmdrm	hypo	CHH	-0.0151
Gm06	50564958	50565950	Gmdrm	hypo	CHH	-0.0277
Gm06	50565970	50566924	Gmdrm	hypo	CHH	-0.0439
Gm06	50568527	50568590	Gmdrm	hypo	CHH	-0.072
Gm06	50569073	50570072	Gmdrm	hypo	CHH	-0.0214
Gm06	50571095	50572095	Gmdrm	hypo	CHH	-0.0158
Gm06	50572097	50573044	Gmdrm	hypo	CHH	-0.2546
Gm06	50596378	50597111	Gmdrm	hypo	CHH	-0.0161
Gm06	50612317	50613298	Gmdrm	hypo	CHH	-0.0468
Gm06	50616366	50617351	Gmdrm	hypo	CHH	-0.0118
Gm06	50620447	50621443	Gmdrm	hypo	CHH	-0.02
Gm06	50626284	50627284	Gmdrm	hypo	CHH	-0.1179
Gm06	50627293	50628289	Gmdrm	hypo	CHH	-0.1473
Gm06	50629318	50629824	Gmdrm	hypo	CHH	-0.0243
Gm06	50633725	50634696	Gmdrm	hypo	CHH	-0.0195
Gm06	50635762	50636733	Gmdrm	hypo	CHH	-0.044
Gm06	50649662	50650661	Gmdrm	hypo	CHH	-0.2895
Gm06	50650664	50651451	Gmdrm	hypo	CHH	-0.1296

Gm06	50656541	50657534	Gmdrm	hypo	CHH	-0.0566
Gm06	50657543	50658116	Gmdrm	hypo	CHH	-0.0527
Gm06	50672308	50673083	Gmdrm	hypo	CHH	-0.0318
Gm06	50676205	50677203	Gmdrm	hypo	CHH	-0.0187
Gm06	50679222	50680097	Gmdrm	hypo	CHH	-0.1286
Gm06	50691677	50692666	Gmdrm	hypo	CHH	-0.0261
Gm06	50696139	50697121	Gmdrm	hypo	CHH	-0.1321
Gm06	50697750	50698273	Gmdrm	hypo	CHH	-0.0697
Gm06	50698547	50699541	Gmdrm	hypo	CHH	-0.0769
Gm06	50726479	50727442	Gmdrm	hypo	CHH	-0.0586
Gm06	50727483	50728463	Gmdrm	hypo	CHH	-0.0255
Gm06	50729525	50730287	Gmdrm	hypo	CHH	-0.025
Gm06	50732685	50733679	Gmdrm	hypo	CHH	-0.0163
Gm06	50733690	50734679	Gmdrm	hypo	CHH	-0.0633
Gm06	50745784	50746743	Gmdrm	hypo	CHH	-0.0204
Gm06	50746785	50747783	Gmdrm	hypo	CHH	-0.0425
Gm06	50747791	50748786	Gmdrm	hypo	CHH	-0.023
Gm06	50751166	50752155	Gmdrm	hypo	CHH	-0.0639
Gm06	50752169	50753167	Gmdrm	hypo	CHH	-0.1074
Gm06	50753171	50754154	Gmdrm	hypo	CHH	-0.0986
Gm06	50754208	50754571	Gmdrm	hypo	CHH	-0.0314
Gm06	50761964	50762716	Gmdrm	hypo	CHH	-0.0266
Gm06	50767245	50768241	Gmdrm	hypo	CHH	-0.0174
Gm06	50768255	50769230	Gmdrm	hypo	CHH	-0.0171
Gm06	50773369	50774367	Gmdrm	hypo	CHH	-0.0522
Gm06	50774376	50775368	Gmdrm	hypo	CHH	-0.0506
Gm06	50775408	50776408	Gmdrm	hypo	CHH	-0.04
Gm06	50776433	50776604	Gmdrm	hypo	CHH	-0.1025
Gm06	50783495	50784494	Gmdrm	hypo	CHH	-0.0692
Gm06	50784497	50785497	Gmdrm	hypo	CHH	-0.0628
Gm06	50785498	50786496	Gmdrm	hypo	CHH	-0.0441
Gm06	50798176	50799173	Gmdrm	hypo	CHH	-0.0223
Gm06	50804506	50805475	Gmdrm	hypo	CHH	-0.0466
Gm06	50805556	50806547	Gmdrm	hypo	CHH	-0.0618
Gm06	50807659	50808651	Gmdrm	hypo	CHH	-0.0244
Gm06	50812751	50813751	Gmdrm	hypo	CHH	-0.296
Gm06	50815784	50816767	Gmdrm	hypo	CHH	-0.0521
Gm06	50816800	50817792	Gmdrm	hypo	CHH	-0.0519
Gm06	50831602	50832130	Gmdrm	hypo	CHH	-0.0563
Gm06	50840622	50841228	Gmdrm	hypo	CHH	-0.0567
Gm06	50847920	50848913	Gmdrm	hypo	CHH	-0.0863
Gm06	50848922	50849816	Gmdrm	hypo	CHH	-0.0248
Gm06	50850923	50851368	Gmdrm	hypo	CHH	-0.0493
Gm06	50851486	50852481	Gmdrm	hypo	CHH	-0.0229
Gm06	50853330	50854320	Gmdrm	hypo	CHH	-0.0397
Gm06	50890542	50891542	Gmdrm	hypo	CHH	-0.0957

Gm06	50891999	50892710	Gmdrm	hypo	CHH	-0.051
Gm06	50905034	50905428	Gmdrm	hypo	CHH	-0.0321
Gm06	50921660	50922245	Gmdrm	hypo	CHH	-0.055
Gm06	50922788	50923787	Gmdrm	hypo	CHH	-0.0282
Gm06	50930876	50931160	Gmdrm	hypo	CHH	-0.0719
Gm06_scaffol	152	1147	Gmdrm	hypo	CHH	-0.0304
Gm06_scaffol	1153	2109	Gmdrm	hypo	CHH	-0.0206
Gm06_scaffol	5874	6874	Gmdrm	hypo	CHH	-0.0234
Gm06_scaffol	7904	8006	Gmdrm	hypo	CHH	-0.1908
Gm06_scaffol	17250	18250	Gmdrm	hypo	CHH	-0.242
Gm06_scaffol	20177	21176	Gmdrm	hypo	CHH	-0.0151
Gm06_scaffol	25455	26138	Gmdrm	hypo	CHH	-0.02
Gm06_scaffol	27212	28211	Gmdrm	hypo	CHH	-0.0569
Gm06_scaffol	40268	40869	Gmdrm	hypo	CHH	-0.0429
Gm06_scaffol	3374	4374	Gmdrm	hypo	CHH	-0.0433
Gm06_scaffol	4400	4573	Gmdrm	hypo	CHH	-0.0786
Gm06_scaffol	9128	10127	Gmdrm	hypo	CHH	-0.0451
Gm06_scaffol	11144	12136	Gmdrm	hypo	CHH	-0.0525
Gm06_scaffol	12145	13120	Gmdrm	hypo	CHH	-0.1184
Gm06_scaffol	14511	15511	Gmdrm	hypo	CHH	-0.0799
Gm06_scaffol	26998	27964	Gmdrm	hypo	CHH	-0.4203
Gm06_scaffol	29484	29624	Gmdrm	hypo	CHH	-0.1957
Gm06_scaffol	29796	29972	Gmdrm	hypo	CHH	-0.1292
Gm06_scaffol	2325	3319	Gmdrm	hypo	CHH	-0.0706
Gm06_scaffol	3329	4321	Gmdrm	hypo	CHH	-0.1096
Gm06_scaffol	4332	5332	Gmdrm	hypo	CHH	-0.0236
Gm06_scaffol	5335	6327	Gmdrm	hypo	CHH	-0.0676
Gm06_scaffol	9773	10772	Gmdrm	hypo	CHH	-0.0498
Gm06_scaffol	10796	11774	Gmdrm	hypo	CHH	-0.0766
Gm06_scaffol	12200	12555	Gmdrm	hypo	CHH	-0.0652
Gm06_scaffol	12941	13930	Gmdrm	hypo	CHH	-0.0279
Gm06_scaffol	13942	14900	Gmdrm	hypo	CHH	-0.0599
Gm06_scaffol	55353	55664	Gmdrm	hypo	CHH	-0.115
Gm06_scaffol	75340	75736	Gmdrm	hypo	CHH	-0.0741
Gm06_scaffol	100280	101274	Gmdrm	hypo	CHH	-0.0165
Gm06_scaffol	104293	105286	Gmdrm	hypo	CHH	-0.0965
Gm06_scaffol	105302	106297	Gmdrm	hypo	CHH	-0.0561
Gm06_scaffol	158	1149	Gmdrm	hypo	CHH	-0.0288
Gm06_scaffol	1160	1298	Gmdrm	hypo	CHH	-0.057
Gm06_scaffol	3549	4530	Gmdrm	hypo	CHH	-0.016
Gm06_scaffol	4586	5578	Gmdrm	hypo	CHH	-0.0332
Gm06_scaffol	5589	6580	Gmdrm	hypo	CHH	-0.0965
Gm06_scaffol	6945	7934	Gmdrm	hypo	CHH	-0.0673
Gm06_scaffol	18384	19198	Gmdrm	hypo	CHH	-0.4116
Gm06_scaffol	20889	21874	Gmdrm	hypo	CHH	-0.0243
Gm06_scaffol	22921	23914	Gmdrm	hypo	CHH	-0.0147

Gm06_scaffo	24937	25933 Gmdrm	hypo	CHH	-0.0238
Gm06_scaffo	29243	30238 Gmdrm	hypo	CHH	-0.2589
Gm06_scaffo	30246	30903 Gmdrm	hypo	CHH	-0.3219
Gm06_scaffo	40757	41757 Gmdrm	hypo	CHH	-0.0432
Gm06_scaffo	41765	42761 Gmdrm	hypo	CHH	-0.0278
Gm06_scaffo	43783	44765 Gmdrm	hypo	CHH	-0.1047
Gm06_scaffo	50644	51644 Gmdrm	hypo	CHH	-0.0158
Gm06_scaffo	62772	63734 Gmdrm	hypo	CHH	-0.2283
Gm06_scaffo	64870	65442 Gmdrm	hypo	CHH	-0.0583
Gm06_scaffo	70206	71203 Gmdrm	hypo	CHH	-0.0163
Gm06_scaffo	72285	73163 Gmdrm	hypo	CHH	-0.15
Gm07	12557	13555 Gmdrm	hypo	CHH	-0.116
Gm07	13580	13823 Gmdrm	hypo	CHH	-0.11
Gm07	14246	14772 Gmdrm	hypo	CHH	-0.1856
Gm07	14943	15079 Gmdrm	hypo	CHH	-0.1586
Gm07	28553	29552 Gmdrm	hypo	CHH	-0.1733
Gm07	37287	38280 Gmdrm	hypo	CHH	-0.0426
Gm07	38290	39190 Gmdrm	hypo	CHH	-0.1075
Gm07	41526	42488 Gmdrm	hypo	CHH	-0.0322
Gm07	46701	47701 Gmdrm	hypo	CHH	-0.0332
Gm07	56593	57593 Gmdrm	hypo	CHH	-0.0909
Gm07	57602	58600 Gmdrm	hypo	CHH	-0.0492
Gm07	65803	66784 Gmdrm	hypo	CHH	-0.0185
Gm07	67709	68705 Gmdrm	hypo	CHH	-0.0456
Gm07	70740	71725 Gmdrm	hypo	CHH	-0.0537
Gm07	76814	77781 Gmdrm	hypo	CHH	-0.0217
Gm07	77817	78804 Gmdrm	hypo	CHH	-0.0179
Gm07	79398	80396 Gmdrm	hypo	CHH	-0.02
Gm07	80400	81398 Gmdrm	hypo	CHH	-0.0961
Gm07	82297	83295 Gmdrm	hypo	CHH	-0.0218
Gm07	86781	87766 Gmdrm	hypo	CHH	-0.0358
Gm07	97664	98641 Gmdrm	hypo	CHH	-0.0253
Gm07	123804	124802 Gmdrm	hypo	CHH	-0.1358
Gm07	138319	139111 Gmdrm	hypo	CHH	-0.0254
Gm07	139212	140158 Gmdrm	hypo	CHH	-0.0151
Gm07	153084	153911 Gmdrm	hypo	CHH	-0.0216
Gm07	165329	166322 Gmdrm	hypo	CHH	-0.0186
Gm07	173404	173638 Gmdrm	hypo	CHH	-0.0314
Gm07	174472	174722 Gmdrm	hypo	CHH	-0.0283
Gm07	186929	187923 Gmdrm	hypo	CHH	-0.029
Gm07	187932	188919 Gmdrm	hypo	CHH	-0.0201
Gm07	195617	196366 Gmdrm	hypo	CHH	-0.0185
Gm07	205016	205999 Gmdrm	hypo	CHH	-0.0133
Gm07	223993	224977 Gmdrm	hypo	CHH	-0.0177
Gm07	236351	236689 Gmdrm	hypo	CHH	-0.0314
Gm07	238829	239817 Gmdrm	hypo	CHH	-0.0154

Gm07	244876	245031	Gmdrm	hypo	CHH	-0.0564
Gm07	253016	254009	Gmdrm	hypo	CHH	-0.1363
Gm07	254018	254992	Gmdrm	hypo	CHH	-0.1273
Gm07	267338	267805	Gmdrm	hypo	CHH	-0.044
Gm07	268596	269586	Gmdrm	hypo	CHH	-0.0224
Gm07	276573	277544	Gmdrm	hypo	CHH	-0.0234
Gm07	282866	283866	Gmdrm	hypo	CHH	-0.1548
Gm07	283869	284739	Gmdrm	hypo	CHH	-0.0816
Gm07	285917	286884	Gmdrm	hypo	CHH	-0.098
Gm07	297034	297115	Gmdrm	hypo	CHH	-0.0483
Gm07	297850	298826	Gmdrm	hypo	CHH	-0.0229
Gm07	298914	299913	Gmdrm	hypo	CHH	-0.0252
Gm07	315051	315254	Gmdrm	hypo	CHH	-0.0408
Gm07	320285	321274	Gmdrm	hypo	CHH	-0.0565
Gm07	329448	330438	Gmdrm	hypo	CHH	-0.0168
Gm07	341878	342850	Gmdrm	hypo	CHH	-0.0296
Gm07	352121	353119	Gmdrm	hypo	CHH	-0.0603
Gm07	365938	366928	Gmdrm	hypo	CHH	-0.0272
Gm07	372699	373699	Gmdrm	hypo	CHH	-0.0328
Gm07	395005	395981	Gmdrm	hypo	CHH	-0.2447
Gm07	408717	409715	Gmdrm	hypo	CHH	-0.0417
Gm07	435122	436119	Gmdrm	hypo	CHH	-0.1395
Gm07	472985	473375	Gmdrm	hypo	CHH	-0.0163
Gm07	477113	478098	Gmdrm	hypo	CHH	-0.2882
Gm07	491685	492167	Gmdrm	hypo	CHH	-0.0295
Gm07	517345	518342	Gmdrm	hypo	CHH	-0.0121
Gm07	523094	524091	Gmdrm	hypo	CHH	-0.0121
Gm07	528198	529197	Gmdrm	hypo	CHH	-0.025
Gm07	531224	532219	Gmdrm	hypo	CHH	-0.0653
Gm07	544939	545872	Gmdrm	hypo	CHH	-0.0283
Gm07	546952	547946	Gmdrm	hypo	CHH	-0.0132
Gm07	549350	550291	Gmdrm	hypo	CHH	-0.0129
Gm07	580645	581637	Gmdrm	hypo	CHH	-0.1617
Gm07	581646	582629	Gmdrm	hypo	CHH	-0.0755
Gm07	582775	583775	Gmdrm	hypo	CHH	-0.0966
Gm07	583799	584798	Gmdrm	hypo	CHH	-0.1126
Gm07	584800	585715	Gmdrm	hypo	CHH	-0.0429
Gm07	593688	594676	Gmdrm	hypo	CHH	-0.0185
Gm07	597765	598741	Gmdrm	hypo	CHH	-0.0207
Gm07	598777	599772	Gmdrm	hypo	CHH	-0.0192
Gm07	623162	624160	Gmdrm	hypo	CHH	-0.0517
Gm07	624165	624401	Gmdrm	hypo	CHH	-0.0652
Gm07	624705	625699	Gmdrm	hypo	CHH	-0.0684
Gm07	630575	631573	Gmdrm	hypo	CHH	-0.0247
Gm07	631577	632564	Gmdrm	hypo	CHH	-0.0963
Gm07	642634	643094	Gmdrm	hypo	CHH	-0.0291

Gm07	643201	644162 Gmdrm	hypo	CHH	-0.0181
Gm07	652164	653145 Gmdrm	hypo	CHH	-0.0148
Gm07	659924	660472 Gmdrm	hypo	CHH	-0.0426
Gm07	660785	661780 Gmdrm	hypo	CHH	-0.0227
Gm07	664983	665983 Gmdrm	hypo	CHH	-0.0401
Gm07	665986	666973 Gmdrm	hypo	CHH	-0.1772
Gm07	666990	667987 Gmdrm	hypo	CHH	-0.2152
Gm07	676696	677670 Gmdrm	hypo	CHH	-0.0173
Gm07	693152	694137 Gmdrm	hypo	CHH	-0.0131
Gm07	710406	711026 Gmdrm	hypo	CHH	-0.0218
Gm07	714518	715487 Gmdrm	hypo	CHH	-0.0166
Gm07	715520	716490 Gmdrm	hypo	CHH	-0.015
Gm07	723082	724071 Gmdrm	hypo	CHH	-0.035
Gm07	725815	726642 Gmdrm	hypo	CHH	-0.1739
Gm07	727251	727491 Gmdrm	hypo	CHH	-0.0211
Gm07	737839	738831 Gmdrm	hypo	CHH	-0.0266
Gm07	769645	769794 Gmdrm	hypo	CHH	-0.028
Gm07	769902	770900 Gmdrm	hypo	CHH	-0.0886
Gm07	772948	773942 Gmdrm	hypo	CHH	-0.0312
Gm07	773954	774953 Gmdrm	hypo	CHH	-0.1742
Gm07	774955	775948 Gmdrm	hypo	CHH	-0.1065
Gm07	783014	784012 Gmdrm	hypo	CHH	-0.0569
Gm07	787083	788075 Gmdrm	hypo	CHH	-0.0189
Gm07	791266	792262 Gmdrm	hypo	CHH	-0.0151
Gm07	794316	795296 Gmdrm	hypo	CHH	-0.0136
Gm07	800917	801298 Gmdrm	hypo	CHH	-0.0466
Gm07	810708	811708 Gmdrm	hypo	CHH	-0.0202
Gm07	816336	817336 Gmdrm	hypo	CHH	-0.0613
Gm07	826868	827855 Gmdrm	hypo	CHH	-0.0127
Gm07	829280	830255 Gmdrm	hypo	CHH	-0.0957
Gm07	852066	853063 Gmdrm	hypo	CHH	-0.0688
Gm07	854923	855915 Gmdrm	hypo	CHH	-0.1288
Gm07	870230	871229 Gmdrm	hypo	CHH	-0.0426
Gm07	871233	872232 Gmdrm	hypo	CHH	-0.0739
Gm07	872269	872950 Gmdrm	hypo	CHH	-0.1822
Gm07	873492	873750 Gmdrm	hypo	CHH	-0.3275
Gm07	873974	874968 Gmdrm	hypo	CHH	-0.1948
Gm07	877038	878038 Gmdrm	hypo	CHH	-0.1296
Gm07	878039	879014 Gmdrm	hypo	CHH	-0.274
Gm07	880079	880812 Gmdrm	hypo	CHH	-0.0204
Gm07	887025	888013 Gmdrm	hypo	CHH	-0.0185
Gm07	898969	899956 Gmdrm	hypo	CHH	-0.0142
Gm07	904062	905049 Gmdrm	hypo	CHH	-0.0148
Gm07	909084	910083 Gmdrm	hypo	CHH	-0.1765
Gm07	927238	928230 Gmdrm	hypo	CHH	-0.02
Gm07	931510	932416 Gmdrm	hypo	CHH	-0.0216

Gm07	933536	934522	Gmdrm	hypo	CHH	-0.0225
Gm07	952097	953072	Gmdrm	hypo	CHH	-0.0249
Gm07	954122	955046	Gmdrm	hypo	CHH	-0.0209
Gm07	964005	964903	Gmdrm	hypo	CHH	-0.0147
Gm07	972288	973013	Gmdrm	hypo	CHH	-0.0204
Gm07	982485	983483	Gmdrm	hypo	CHH	-0.0273
Gm07	986690	987091	Gmdrm	hypo	CHH	-0.1198
Gm07	988230	989212	Gmdrm	hypo	CHH	-0.0154
Gm07	991417	992401	Gmdrm	hypo	CHH	-0.0381
Gm07	996109	996727	Gmdrm	hypo	CHH	-0.0281
Gm07	997213	998213	Gmdrm	hypo	CHH	-0.0568
Gm07	1016954	1017953	Gmdrm	hypo	CHH	-0.0441
Gm07	1017959	1018956	Gmdrm	hypo	CHH	-0.0641
Gm07	1018963	1019963	Gmdrm	hypo	CHH	-0.1103
Gm07	1026339	1027329	Gmdrm	hypo	CHH	-0.0155
Gm07	1032874	1033828	Gmdrm	hypo	CHH	-0.025
Gm07	1036237	1037224	Gmdrm	hypo	CHH	-0.0087
Gm07	1052087	1053022	Gmdrm	hypo	CHH	-0.0627
Gm07	1053091	1053147	Gmdrm	hypo	CHH	-0.1745
Gm07	1072745	1073743	Gmdrm	hypo	CHH	-0.0733
Gm07	1073746	1074158	Gmdrm	hypo	CHH	-0.043
Gm07	1085449	1086416	Gmdrm	hypo	CHH	-0.014
Gm07	1087301	1088299	Gmdrm	hypo	CHH	-0.0212
Gm07	1109726	1109839	Gmdrm	hypo	CHH	-0.0433
Gm07	1111041	1112027	Gmdrm	hypo	CHH	-0.0209
Gm07	1116338	1117329	Gmdrm	hypo	CHH	-0.0507
Gm07	1133655	1134238	Gmdrm	hypo	CHH	-0.2285
Gm07	1135374	1135661	Gmdrm	hypo	CHH	-0.0934
Gm07	1135941	1136764	Gmdrm	hypo	CHH	-0.0796
Gm07	1138948	1139529	Gmdrm	hypo	CHH	-0.0493
Gm07	1142537	1143536	Gmdrm	hypo	CHH	-0.1283
Gm07	1143540	1144538	Gmdrm	hypo	CHH	-0.0866
Gm07	1144542	1145260	Gmdrm	hypo	CHH	-0.1078
Gm07	1152130	1152888	Gmdrm	hypo	CHH	-0.1169
Gm07	1156613	1157516	Gmdrm	hypo	CHH	-0.1091
Gm07	1168802	1169646	Gmdrm	hypo	CHH	-0.0265
Gm07	1171235	1172232	Gmdrm	hypo	CHH	-0.1756
Gm07	1176354	1177306	Gmdrm	hypo	CHH	-0.0206
Gm07	1182594	1182900	Gmdrm	hypo	CHH	-0.0306
Gm07	1185919	1186914	Gmdrm	hypo	CHH	-0.2439
Gm07	1189080	1190065	Gmdrm	hypo	CHH	-0.0234
Gm07	1191148	1191765	Gmdrm	hypo	CHH	-0.0354
Gm07	1193439	1194430	Gmdrm	hypo	CHH	-0.0559
Gm07	1209126	1210080	Gmdrm	hypo	CHH	-0.0323
Gm07	1213864	1214857	Gmdrm	hypo	CHH	-0.0199
Gm07	1220864	1221838	Gmdrm	hypo	CHH	-0.0175

Gm07	1230570	1231562	Gmdrm	hypo	CHH	-0.0185
Gm07	1231571	1232564	Gmdrm	hypo	CHH	-0.0498
Gm07	1232585	1233566	Gmdrm	hypo	CHH	-0.0523
Gm07	1237017	1237984	Gmdrm	hypo	CHH	-0.0139
Gm07	1240035	1241035	Gmdrm	hypo	CHH	-0.0221
Gm07	1242241	1243222	Gmdrm	hypo	CHH	-0.0543
Gm07	1246595	1247026	Gmdrm	hypo	CHH	-0.0188
Gm07	1253124	1254122	Gmdrm	hypo	CHH	-0.0448
Gm07	1259025	1259287	Gmdrm	hypo	CHH	-0.1618
Gm07	1259394	1260093	Gmdrm	hypo	CHH	-0.2426
Gm07	1276026	1277022	Gmdrm	hypo	CHH	-0.0392
Gm07	1284642	1285641	Gmdrm	hypo	CHH	-0.021
Gm07	1285643	1286640	Gmdrm	hypo	CHH	-0.069
Gm07	1286653	1287197	Gmdrm	hypo	CHH	-0.0709
Gm07	1294734	1295717	Gmdrm	hypo	CHH	-0.0201
Gm07	1302139	1302805	Gmdrm	hypo	CHH	-0.0329
Gm07	1316541	1317501	Gmdrm	hypo	CHH	-0.03
Gm07	1332488	1333483	Gmdrm	hypo	CHH	-0.0179
Gm07	1338763	1339372	Gmdrm	hypo	CHH	-0.0436
Gm07	1352737	1353725	Gmdrm	hypo	CHH	-0.0456
Gm07	1358777	1358914	Gmdrm	hypo	CHH	-0.1236
Gm07	1363413	1364406	Gmdrm	hypo	CHH	-0.0418
Gm07	1370015	1371014	Gmdrm	hypo	CHH	-0.042
Gm07	1373283	1374283	Gmdrm	hypo	CHH	-0.0454
Gm07	1428426	1428741	Gmdrm	hypo	CHH	-0.0328
Gm07	1432442	1433393	Gmdrm	hypo	CHH	-0.0617
Gm07	1446514	1446788	Gmdrm	hypo	CHH	-0.0786
Gm07	1449073	1450070	Gmdrm	hypo	CHH	-0.0252
Gm07	1450235	1451209	Gmdrm	hypo	CHH	-0.0331
Gm07	1454934	1455823	Gmdrm	hypo	CHH	-0.0238
Gm07	1463828	1464828	Gmdrm	hypo	CHH	-0.0173
Gm07	1464849	1465823	Gmdrm	hypo	CHH	-0.021
Gm07	1479545	1480529	Gmdrm	hypo	CHH	-0.0197
Gm07	1504084	1504984	Gmdrm	hypo	CHH	-0.0381
Gm07	1525340	1526335	Gmdrm	hypo	CHH	-0.0228
Gm07	1532448	1533162	Gmdrm	hypo	CHH	-0.0291
Gm07	1543428	1544428	Gmdrm	hypo	CHH	-0.0916
Gm07	1551623	1552247	Gmdrm	hypo	CHH	-0.0229
Gm07	1553868	1554351	Gmdrm	hypo	CHH	-0.0149
Gm07	1559707	1560440	Gmdrm	hypo	CHH	-0.0244
Gm07	1562998	1563996	Gmdrm	hypo	CHH	-0.0578
Gm07	1567599	1568590	Gmdrm	hypo	CHH	-0.0851
Gm07	1570608	1570956	Gmdrm	hypo	CHH	-0.0587
Gm07	1574707	1575691	Gmdrm	hypo	CHH	-0.0109
Gm07	1585115	1585917	Gmdrm	hypo	CHH	-0.0268
Gm07	1588816	1589810	Gmdrm	hypo	CHH	-0.0479

Gm07	1589817	1590358	Gmdrm	hypo	CHH	-0.2018
Gm07	1592280	1593264	Gmdrm	hypo	CHH	-0.0251
Gm07	1601302	1601878	Gmdrm	hypo	CHH	-0.0289
Gm07	1622176	1623169	Gmdrm	hypo	CHH	-0.0124
Gm07	1642482	1643481	Gmdrm	hypo	CHH	-0.1363
Gm07	1643483	1644481	Gmdrm	hypo	CHH	-0.1374
Gm07	1645569	1645908	Gmdrm	hypo	CHH	-0.026
Gm07	1649115	1650001	Gmdrm	hypo	CHH	-0.0187
Gm07	1657595	1658558	Gmdrm	hypo	CHH	-0.0232
Gm07	1664355	1665196	Gmdrm	hypo	CHH	-0.0196
Gm07	1669552	1670500	Gmdrm	hypo	CHH	-0.0144
Gm07	1683790	1684539	Gmdrm	hypo	CHH	-0.0206
Gm07	1691658	1692457	Gmdrm	hypo	CHH	-0.0154
Gm07	1698034	1699024	Gmdrm	hypo	CHH	-0.0163
Gm07	1711144	1712134	Gmdrm	hypo	CHH	-0.0251
Gm07	1712150	1713146	Gmdrm	hypo	CHH	-0.0115
Gm07	1755861	1756844	Gmdrm	hypo	CHH	-0.0895
Gm07	1763647	1763705	Gmdrm	hypo	CHH	-0.056
Gm07	1764883	1765882	Gmdrm	hypo	CHH	-0.0253
Gm07	1765885	1766422	Gmdrm	hypo	CHH	-0.1256
Gm07	1769761	1770282	Gmdrm	hypo	CHH	-0.0179
Gm07	1770384	1771381	Gmdrm	hypo	CHH	-0.0157
Gm07	1780828	1781806	Gmdrm	hypo	CHH	-0.0623
Gm07	1782760	1783757	Gmdrm	hypo	CHH	-0.1297
Gm07	1792577	1793546	Gmdrm	hypo	CHH	-0.1217
Gm07	1803399	1804385	Gmdrm	hypo	CHH	-0.117
Gm07	1807023	1807168	Gmdrm	hypo	CHH	-0.021
Gm07	1818196	1818549	Gmdrm	hypo	CHH	-0.0294
Gm07	1826369	1827339	Gmdrm	hypo	CHH	-0.0222
Gm07	1838688	1839615	Gmdrm	hypo	CHH	-0.0179
Gm07	1852873	1853702	Gmdrm	hypo	CHH	-0.0305
Gm07	1859055	1860049	Gmdrm	hypo	CHH	-0.0196
Gm07	1865163	1865935	Gmdrm	hypo	CHH	-0.0323
Gm07	1867266	1868247	Gmdrm	hypo	CHH	-0.0238
Gm07	1871829	1872828	Gmdrm	hypo	CHH	-0.0708
Gm07	1872830	1873816	Gmdrm	hypo	CHH	-0.035
Gm07	1882907	1883907	Gmdrm	hypo	CHH	-0.0407
Gm07	1886183	1886703	Gmdrm	hypo	CHH	-0.0385
Gm07	1891230	1892222	Gmdrm	hypo	CHH	-0.0683
Gm07	1892236	1893226	Gmdrm	hypo	CHH	-0.0302
Gm07	1913341	1914332	Gmdrm	hypo	CHH	-0.0629
Gm07	1914348	1915085	Gmdrm	hypo	CHH	-0.0207
Gm07	1916226	1916690	Gmdrm	hypo	CHH	-0.0219
Gm07	1916807	1917791	Gmdrm	hypo	CHH	-0.0317
Gm07	1917818	1918814	Gmdrm	hypo	CHH	-0.0177
Gm07	1918820	1919745	Gmdrm	hypo	CHH	-0.0222

Gm07	1922631	1923630 Gmdrm	hypo	CHH	-0.0671
Gm07	1923645	1924229 Gmdrm	hypo	CHH	-0.0249
Gm07	1929358	1930346 Gmdrm	hypo	CHH	-0.0614
Gm07	1934390	1935365 Gmdrm	hypo	CHH	-0.0174
Gm07	1935395	1936395 Gmdrm	hypo	CHH	-0.0173
Gm07	1936396	1937396 Gmdrm	hypo	CHH	-0.0348
Gm07	1940185	1940576 Gmdrm	hypo	CHH	-0.0339
Gm07	1941692	1942679 Gmdrm	hypo	CHH	-0.0524
Gm07	1942693	1943680 Gmdrm	hypo	CHH	-0.0312
Gm07	1943695	1944679 Gmdrm	hypo	CHH	-0.0458
Gm07	1944698	1945695 Gmdrm	hypo	CHH	-0.062
Gm07	1950478	1951477 Gmdrm	hypo	CHH	-0.0851
Gm07	1951484	1952010 Gmdrm	hypo	CHH	-0.0342
Gm07	1959720	1960718 Gmdrm	hypo	CHH	-0.0717
Gm07	1960742	1961249 Gmdrm	hypo	CHH	-0.08
Gm07	1961419	1962418 Gmdrm	hypo	CHH	-0.022
Gm07	1962421	1963416 Gmdrm	hypo	CHH	-0.0594
Gm07	1963435	1964428 Gmdrm	hypo	CHH	-0.0787
Gm07	1968888	1969888 Gmdrm	hypo	CHH	-0.0308
Gm07	1969893	1970883 Gmdrm	hypo	CHH	-0.0327
Gm07	1970901	1971886 Gmdrm	hypo	CHH	-0.0713
Gm07	1972850	1973850 Gmdrm	hypo	CHH	-0.0635
Gm07	1975027	1975418 Gmdrm	hypo	CHH	-0.0304
Gm07	1979640	1980613 Gmdrm	hypo	CHH	-0.0142
Gm07	1981660	1982653 Gmdrm	hypo	CHH	-0.019
Gm07	1986640	1987635 Gmdrm	hypo	CHH	-0.033
Gm07	1988660	1989654 Gmdrm	hypo	CHH	-0.0132
Gm07	1994632	1995631 Gmdrm	hypo	CHH	-0.0761
Gm07	1995634	1996599 Gmdrm	hypo	CHH	-0.0764
Gm07	2003115	2003456 Gmdrm	hypo	CHH	-0.0367
Gm07	2003623	2004536 Gmdrm	hypo	CHH	-0.0227
Gm07	2028282	2029282 Gmdrm	hypo	CHH	-0.0266
Gm07	2047384	2048367 Gmdrm	hypo	CHH	-0.0445
Gm07	2048388	2049377 Gmdrm	hypo	CHH	-0.0333
Gm07	2061823	2062757 Gmdrm	hypo	CHH	-0.0183
Gm07	2064157	2064781 Gmdrm	hypo	CHH	-0.0438
Gm07	2066469	2067337 Gmdrm	hypo	CHH	-0.0446
Gm07	2069773	2070765 Gmdrm	hypo	CHH	-0.0417
Gm07	2070775	2071615 Gmdrm	hypo	CHH	-0.0529
Gm07	2071722	2072719 Gmdrm	hypo	CHH	-0.0457
Gm07	2076108	2077097 Gmdrm	hypo	CHH	-0.2299
Gm07	2077130	2078128 Gmdrm	hypo	CHH	-0.0845
Gm07	2084475	2085333 Gmdrm	hypo	CHH	-0.0213
Gm07	2087514	2088497 Gmdrm	hypo	CHH	-0.0273
Gm07	2088519	2089497 Gmdrm	hypo	CHH	-0.0832
Gm07	2095346	2095825 Gmdrm	hypo	CHH	-0.0287

Gm07	2102034	2103008 Gmdrm	hypo	CHH	-0.0913
Gm07	2106265	2106580 Gmdrm	hypo	CHH	-0.0352
Gm07	2106681	2107681 Gmdrm	hypo	CHH	-0.0174
Gm07	2111029	2111968 Gmdrm	hypo	CHH	-0.0162
Gm07	2113652	2114652 Gmdrm	hypo	CHH	-0.0215
Gm07	2114657	2115657 Gmdrm	hypo	CHH	-0.0939
Gm07	2117404	2117660 Gmdrm	hypo	CHH	-0.0342
Gm07	2118299	2119265 Gmdrm	hypo	CHH	-0.0356
Gm07	2126125	2127086 Gmdrm	hypo	CHH	-0.0124
Gm07	2128157	2129130 Gmdrm	hypo	CHH	-0.1671
Gm07	2131604	2132331 Gmdrm	hypo	CHH	-0.3012
Gm07	2132644	2133613 Gmdrm	hypo	CHH	-0.021
Gm07	2138536	2139527 Gmdrm	hypo	CHH	-0.2128
Gm07	2139538	2140538 Gmdrm	hypo	CHH	-0.0408
Gm07	2140541	2141538 Gmdrm	hypo	CHH	-0.056
Gm07	2146472	2147468 Gmdrm	hypo	CHH	-0.0326
Gm07	2151968	2152954 Gmdrm	hypo	CHH	-0.1025
Gm07	2157578	2158578 Gmdrm	hypo	CHH	-0.0391
Gm07	2176895	2177828 Gmdrm	hypo	CHH	-0.027
Gm07	2186033	2187033 Gmdrm	hypo	CHH	-0.022
Gm07	2196365	2197365 Gmdrm	hypo	CHH	-0.056
Gm07	2197366	2198002 Gmdrm	hypo	CHH	-0.0203
Gm07	2200484	2201471 Gmdrm	hypo	CHH	-0.0592
Gm07	2201491	2202488 Gmdrm	hypo	CHH	-0.0591
Gm07	2211214	2212155 Gmdrm	hypo	CHH	-0.0244
Gm07	2214250	2215069 Gmdrm	hypo	CHH	-0.0203
Gm07	2235010	2235973 Gmdrm	hypo	CHH	-0.011
Gm07	2237412	2238410 Gmdrm	hypo	CHH	-0.1879
Gm07	2238419	2239410 Gmdrm	hypo	CHH	-0.1336
Gm07	2240038	2241018 Gmdrm	hypo	CHH	-0.1088
Gm07	2242058	2243055 Gmdrm	hypo	CHH	-0.014
Gm07	2246864	2247829 Gmdrm	hypo	CHH	-0.0291
Gm07	2253643	2254618 Gmdrm	hypo	CHH	-0.0285
Gm07	2255650	2256613 Gmdrm	hypo	CHH	-0.0214
Gm07	2267922	2268102 Gmdrm	hypo	CHH	-0.046
Gm07	2268754	2269746 Gmdrm	hypo	CHH	-0.0404
Gm07	2269761	2270703 Gmdrm	hypo	CHH	-0.1867
Gm07	2274822	2275821 Gmdrm	hypo	CHH	-0.0156
Gm07	2288879	2289198 Gmdrm	hypo	CHH	-0.0366
Gm07	2295922	2296917 Gmdrm	hypo	CHH	-0.0475
Gm07	2296923	2297143 Gmdrm	hypo	CHH	-0.0893
Gm07	2297257	2298255 Gmdrm	hypo	CHH	-0.0618
Gm07	2308828	2309819 Gmdrm	hypo	CHH	-0.106
Gm07	2309829	2310495 Gmdrm	hypo	CHH	-0.0149
Gm07	2328860	2329776 Gmdrm	hypo	CHH	-0.0646
Gm07	2338823	2339792 Gmdrm	hypo	CHH	-0.0415

Gm07	2343855	2344248	Gmdrm	hypo	CHH	-0.0387
Gm07	2349174	2350164	Gmdrm	hypo	CHH	-0.0321
Gm07	2351602	2352599	Gmdrm	hypo	CHH	-0.0161
Gm07	2376816	2377803	Gmdrm	hypo	CHH	-0.0179
Gm07	2377821	2378818	Gmdrm	hypo	CHH	-0.0495
Gm07	2378826	2379778	Gmdrm	hypo	CHH	-0.0727
Gm07	2381868	2382828	Gmdrm	hypo	CHH	-0.1666
Gm07	2382875	2383436	Gmdrm	hypo	CHH	-0.425
Gm07	2393222	2394220	Gmdrm	hypo	CHH	-0.0331
Gm07	2395257	2396224	Gmdrm	hypo	CHH	-0.0193
Gm07	2405415	2406243	Gmdrm	hypo	CHH	-0.023
Gm07	2410768	2411765	Gmdrm	hypo	CHH	-0.0127
Gm07	2415257	2416222	Gmdrm	hypo	CHH	-0.075
Gm07	2427303	2427771	Gmdrm	hypo	CHH	-0.0185
Gm07	2428950	2429934	Gmdrm	hypo	CHH	-0.0362
Gm07	2451195	2452190	Gmdrm	hypo	CHH	-0.0588
Gm07	2452197	2453175	Gmdrm	hypo	CHH	-0.0801
Gm07	2455240	2455320	Gmdrm	hypo	CHH	-0.0467
Gm07	2457470	2458454	Gmdrm	hypo	CHH	-0.0157
Gm07	2468475	2469456	Gmdrm	hypo	CHH	-0.0111
Gm07	2478049	2479049	Gmdrm	hypo	CHH	-0.0195
Gm07	2481100	2482025	Gmdrm	hypo	CHH	-0.0158
Gm07	2486123	2487114	Gmdrm	hypo	CHH	-0.0401
Gm07	2488143	2489142	Gmdrm	hypo	CHH	-0.1002
Gm07	2489144	2489930	Gmdrm	hypo	CHH	-0.1212
Gm07	2494381	2495069	Gmdrm	hypo	CHH	-0.0191
Gm07	2496531	2497530	Gmdrm	hypo	CHH	-0.0505
Gm07	2508865	2509847	Gmdrm	hypo	CHH	-0.0123
Gm07	2531282	2532277	Gmdrm	hypo	CHH	-0.0101
Gm07	2536620	2537604	Gmdrm	hypo	CHH	-0.0216
Gm07	2537632	2538630	Gmdrm	hypo	CHH	-0.0588
Gm07	2576217	2577215	Gmdrm	hypo	CHH	-0.0461
Gm07	2581983	2582982	Gmdrm	hypo	CHH	-0.0576
Gm07	2583002	2583994	Gmdrm	hypo	CHH	-0.1139
Gm07	2589873	2590855	Gmdrm	hypo	CHH	-0.0178
Gm07	2595067	2596063	Gmdrm	hypo	CHH	-0.3529
Gm07	2597102	2598052	Gmdrm	hypo	CHH	-0.0142
Gm07	2600808	2601805	Gmdrm	hypo	CHH	-0.018
Gm07	2603976	2604957	Gmdrm	hypo	CHH	-0.0353
Gm07	2608568	2609563	Gmdrm	hypo	CHH	-0.0335
Gm07	2613974	2614974	Gmdrm	hypo	CHH	-0.1761
Gm07	2614976	2615426	Gmdrm	hypo	CHH	-0.1653
Gm07	2619039	2619167	Gmdrm	hypo	CHH	-0.06
Gm07	2627134	2627827	Gmdrm	hypo	CHH	-0.0217
Gm07	2628983	2629964	Gmdrm	hypo	CHH	-0.0183
Gm07	2641790	2642788	Gmdrm	hypo	CHH	-0.0137

Gm07	2651624	2652614	Gmdrm	hypo	CHH	-0.2296
Gm07	2667174	2668173	Gmdrm	hypo	CHH	-0.0221
Gm07	2673226	2674222	Gmdrm	hypo	CHH	-0.028
Gm07	2685891	2686882	Gmdrm	hypo	CHH	-0.0312
Gm07	2686912	2687887	Gmdrm	hypo	CHH	-0.1913
Gm07	2697873	2698867	Gmdrm	hypo	CHH	-0.0164
Gm07	2702391	2703371	Gmdrm	hypo	CHH	-0.0973
Gm07	2719385	2720217	Gmdrm	hypo	CHH	-0.0512
Gm07	2723325	2724319	Gmdrm	hypo	CHH	-0.1452
Gm07	2730818	2731815	Gmdrm	hypo	CHH	-0.075
Gm07	2731822	2732512	Gmdrm	hypo	CHH	-0.0405
Gm07	2734829	2735798	Gmdrm	hypo	CHH	-0.0207
Gm07	2743539	2744537	Gmdrm	hypo	CHH	-0.0118
Gm07	2757861	2758856	Gmdrm	hypo	CHH	-0.0145
Gm07	2769625	2770613	Gmdrm	hypo	CHH	-0.0192
Gm07	2773756	2774755	Gmdrm	hypo	CHH	-0.213
Gm07	2775823	2776823	Gmdrm	hypo	CHH	-0.0105
Gm07	2790656	2791650	Gmdrm	hypo	CHH	-0.0227
Gm07	2800235	2801229	Gmdrm	hypo	CHH	-0.0418
Gm07	2802247	2803245	Gmdrm	hypo	CHH	-0.0837
Gm07	2803251	2804244	Gmdrm	hypo	CHH	-0.0155
Gm07	2817792	2818779	Gmdrm	hypo	CHH	-0.0172
Gm07	2838828	2839827	Gmdrm	hypo	CHH	-0.0202
Gm07	2846707	2847700	Gmdrm	hypo	CHH	-0.086
Gm07	2847722	2848615	Gmdrm	hypo	CHH	-0.1482
Gm07	2859120	2860119	Gmdrm	hypo	CHH	-0.0204
Gm07	2864455	2864678	Gmdrm	hypo	CHH	-0.0481
Gm07	2871031	2871507	Gmdrm	hypo	CHH	-0.04
Gm07	2879131	2880130	Gmdrm	hypo	CHH	-0.04
Gm07	2894785	2895785	Gmdrm	hypo	CHH	-0.0757
Gm07	2895793	2896784	Gmdrm	hypo	CHH	-0.1234
Gm07	2896875	2897861	Gmdrm	hypo	CHH	-0.0682
Gm07	2897879	2898510	Gmdrm	hypo	CHH	-0.0411
Gm07	2898794	2899346	Gmdrm	hypo	CHH	-0.1975
Gm07	2900503	2901431	Gmdrm	hypo	CHH	-0.0518
Gm07	2901819	2902818	Gmdrm	hypo	CHH	-0.1743
Gm07	2902822	2903803	Gmdrm	hypo	CHH	-0.2558
Gm07	2903823	2904819	Gmdrm	hypo	CHH	-0.1387
Gm07	2904834	2905578	Gmdrm	hypo	CHH	-0.2796
Gm07	2910177	2911171	Gmdrm	hypo	CHH	-0.0227
Gm07	2911180	2912180	Gmdrm	hypo	CHH	-0.0564
Gm07	2913066	2914055	Gmdrm	hypo	CHH	-0.0578
Gm07	2931273	2931982	Gmdrm	hypo	CHH	-0.0296
Gm07	2932104	2933103	Gmdrm	hypo	CHH	-0.0236
Gm07	2939185	2940185	Gmdrm	hypo	CHH	-0.0798
Gm07	2952230	2953184	Gmdrm	hypo	CHH	-0.1453

Gm07	2961920	2962920 Gmdrm	hypo	CHH	-0.0209
Gm07	2971036	2972018 Gmdrm	hypo	CHH	-0.0491
Gm07	2973510	2974510 Gmdrm	hypo	CHH	-0.0296
Gm07	2974513	2975480 Gmdrm	hypo	CHH	-0.0114
Gm07	2982447	2983431 Gmdrm	hypo	CHH	-0.0599
Gm07	2985538	2985716 Gmdrm	hypo	CHH	-0.022
Gm07	2991085	2992079 Gmdrm	hypo	CHH	-0.0196
Gm07	2997514	2997905 Gmdrm	hypo	CHH	-0.062
Gm07	3011120	3012092 Gmdrm	hypo	CHH	-0.0616
Gm07	3024676	3025461 Gmdrm	hypo	CHH	-0.0291
Gm07	3029990	3030989 Gmdrm	hypo	CHH	-0.0422
Gm07	3030993	3031990 Gmdrm	hypo	CHH	-0.1879
Gm07	3031998	3032977 Gmdrm	hypo	CHH	-0.0131
Gm07	3040111	3041088 Gmdrm	hypo	CHH	-0.1104
Gm07	3047960	3048878 Gmdrm	hypo	CHH	-0.0218
Gm07	3054058	3054970 Gmdrm	hypo	CHH	-0.1475
Gm07	3066839	3067839 Gmdrm	hypo	CHH	-0.0181
Gm07	3073895	3074890 Gmdrm	hypo	CHH	-0.046
Gm07	3081743	3082674 Gmdrm	hypo	CHH	-0.029
Gm07	3086398	3087394 Gmdrm	hypo	CHH	-0.0766
Gm07	3087401	3088389 Gmdrm	hypo	CHH	-0.0596
Gm07	3104131	3105130 Gmdrm	hypo	CHH	-0.0307
Gm07	3111417	3112232 Gmdrm	hypo	CHH	-0.0208
Gm07	3114370	3114412 Gmdrm	hypo	CHH	-0.052
Gm07	3116649	3117644 Gmdrm	hypo	CHH	-0.0387
Gm07	3120173	3121170 Gmdrm	hypo	CHH	-0.0152
Gm07	3125047	3125834 Gmdrm	hypo	CHH	-0.0857
Gm07	3127625	3127872 Gmdrm	hypo	CHH	-0.0312
Gm07	3128036	3129035 Gmdrm	hypo	CHH	-0.0818
Gm07	3129038	3130035 Gmdrm	hypo	CHH	-0.0271
Gm07	3130069	3131046 Gmdrm	hypo	CHH	-0.0216
Gm07	3140244	3141240 Gmdrm	hypo	CHH	-0.0698
Gm07	3142273	3143100 Gmdrm	hypo	CHH	-0.0203
Gm07	3144455	3145405 Gmdrm	hypo	CHH	-0.0378
Gm07	3152745	3153743 Gmdrm	hypo	CHH	-0.0297
Gm07	3153785	3154615 Gmdrm	hypo	CHH	-0.0327
Gm07	3160465	3161456 Gmdrm	hypo	CHH	-0.0198
Gm07	3170080	3171065 Gmdrm	hypo	CHH	-0.0335
Gm07	3181709	3182659 Gmdrm	hypo	CHH	-0.0464
Gm07	3182961	3183952 Gmdrm	hypo	CHH	-0.3789
Gm07	3189543	3190000 Gmdrm	hypo	CHH	-0.0555
Gm07	3196957	3197943 Gmdrm	hypo	CHH	-0.0503
Gm07	3197965	3198093 Gmdrm	hypo	CHH	-0.1925
Gm07	3205506	3206292 Gmdrm	hypo	CHH	-0.0154
Gm07	3212527	3212913 Gmdrm	hypo	CHH	-0.0253
Gm07	3216515	3217515 Gmdrm	hypo	CHH	-0.0792

Gm07	3217518	3218500 Gmdrm	hypo	CHH	-0.1081
Gm07	3221242	3222239 Gmdrm	hypo	CHH	-0.0619
Gm07	3222244	3223229 Gmdrm	hypo	CHH	-0.0554
Gm07	3223265	3224247 Gmdrm	hypo	CHH	-0.0404
Gm07	3229050	3229832 Gmdrm	hypo	CHH	-0.0142
Gm07	3229943	3230909 Gmdrm	hypo	CHH	-0.226
Gm07	3241133	3242109 Gmdrm	hypo	CHH	-0.0605
Gm07	3251980	3252977 Gmdrm	hypo	CHH	-0.2745
Gm07	3254002	3254067 Gmdrm	hypo	CHH	-0.082
Gm07	3260390	3261129 Gmdrm	hypo	CHH	-0.1787
Gm07	3289374	3290352 Gmdrm	hypo	CHH	-0.0169
Gm07	3300694	3301151 Gmdrm	hypo	CHH	-0.043
Gm07	3306700	3307694 Gmdrm	hypo	CHH	-0.0729
Gm07	3307702	3308700 Gmdrm	hypo	CHH	-0.0575
Gm07	3315395	3316380 Gmdrm	hypo	CHH	-0.0299
Gm07	3316397	3317396 Gmdrm	hypo	CHH	-0.0836
Gm07	3317405	3318095 Gmdrm	hypo	CHH	-0.0331
Gm07	3320269	3321268 Gmdrm	hypo	CHH	-0.1046
Gm07	3325318	3326318 Gmdrm	hypo	CHH	-0.0231
Gm07	3329598	3330590 Gmdrm	hypo	CHH	-0.0134
Gm07	3332206	3333187 Gmdrm	hypo	CHH	-0.0146
Gm07	3338358	3339337 Gmdrm	hypo	CHH	-0.0759
Gm07	3339360	3340360 Gmdrm	hypo	CHH	-0.2882
Gm07	3340371	3341366 Gmdrm	hypo	CHH	-0.1154
Gm07	3351479	3352470 Gmdrm	hypo	CHH	-0.0121
Gm07	3368334	3369333 Gmdrm	hypo	CHH	-0.2333
Gm07	3369337	3370325 Gmdrm	hypo	CHH	-0.2359
Gm07	3383883	3384864 Gmdrm	hypo	CHH	-0.0169
Gm07	3394730	3395708 Gmdrm	hypo	CHH	-0.0151
Gm07	3396122	3396328 Gmdrm	hypo	CHH	-0.06
Gm07	3402569	3403556 Gmdrm	hypo	CHH	-0.0132
Gm07	3414811	3415809 Gmdrm	hypo	CHH	-0.0822
Gm07	3418317	3419300 Gmdrm	hypo	CHH	-0.0609
Gm07	3421356	3421670 Gmdrm	hypo	CHH	-0.0261
Gm07	3427421	3428418 Gmdrm	hypo	CHH	-0.1085
Gm07	3428423	3429396 Gmdrm	hypo	CHH	-0.0533
Gm07	3429434	3430430 Gmdrm	hypo	CHH	-0.0721
Gm07	3430439	3431432 Gmdrm	hypo	CHH	-0.0756
Gm07	3436748	3437748 Gmdrm	hypo	CHH	-0.0206
Gm07	3441258	3442248 Gmdrm	hypo	CHH	-0.1711
Gm07	3446558	3447550 Gmdrm	hypo	CHH	-0.0471
Gm07	3448583	3448919 Gmdrm	hypo	CHH	-0.0472
Gm07	3457040	3458033 Gmdrm	hypo	CHH	-0.0341
Gm07	3460877	3461551 Gmdrm	hypo	CHH	-0.0614
Gm07	3462858	3463853 Gmdrm	hypo	CHH	-0.0261
Gm07	3467705	3468473 Gmdrm	hypo	CHH	-0.0362

Gm07	3472080	3473077 Gmdrm	hypo	CHH	-0.0426
Gm07	3473083	3474071 Gmdrm	hypo	CHH	-0.0736
Gm07	3479249	3480222 Gmdrm	hypo	CHH	-0.026
Gm07	3481721	3482696 Gmdrm	hypo	CHH	-0.0199
Gm07	3504956	3505078 Gmdrm	hypo	CHH	-0.084
Gm07	3506203	3506305 Gmdrm	hypo	CHH	-0.1013
Gm07	3507451	3507878 Gmdrm	hypo	CHH	-0.0538
Gm07	3510829	3511811 Gmdrm	hypo	CHH	-0.0118
Gm07	3511841	3512002 Gmdrm	hypo	CHH	-0.1278
Gm07	3517720	3518661 Gmdrm	hypo	CHH	-0.0592
Gm07	3519243	3520243 Gmdrm	hypo	CHH	-0.0286
Gm07	3527430	3528422 Gmdrm	hypo	CHH	-0.0731
Gm07	3528434	3528787 Gmdrm	hypo	CHH	-0.0787
Gm07	3528894	3529849 Gmdrm	hypo	CHH	-0.0319
Gm07	3536804	3537801 Gmdrm	hypo	CHH	-0.0344
Gm07	3537806	3538804 Gmdrm	hypo	CHH	-0.0872
Gm07	3553927	3554604 Gmdrm	hypo	CHH	-0.0186
Gm07	3560021	3560975 Gmdrm	hypo	CHH	-0.0212
Gm07	3566867	3567841 Gmdrm	hypo	CHH	-0.0488
Gm07	3585475	3586474 Gmdrm	hypo	CHH	-0.0196
Gm07	3587512	3588467 Gmdrm	hypo	CHH	-0.0139
Gm07	3588521	3589509 Gmdrm	hypo	CHH	-0.0222
Gm07	3591793	3592781 Gmdrm	hypo	CHH	-0.0346
Gm07	3598043	3599020 Gmdrm	hypo	CHH	-0.1737
Gm07	3616044	3617035 Gmdrm	hypo	CHH	-0.0597
Gm07	3620322	3621314 Gmdrm	hypo	CHH	-0.0314
Gm07	3621343	3622338 Gmdrm	hypo	CHH	-0.0666
Gm07	3627366	3628077 Gmdrm	hypo	CHH	-0.017
Gm07	3637149	3637337 Gmdrm	hypo	CHH	-0.0318
Gm07	3637439	3638425 Gmdrm	hypo	CHH	-0.109
Gm07	3639448	3640442 Gmdrm	hypo	CHH	-0.0677
Gm07	3640512	3641491 Gmdrm	hypo	CHH	-0.0142
Gm07	3644135	3645128 Gmdrm	hypo	CHH	-0.0757
Gm07	3645137	3646103 Gmdrm	hypo	CHH	-0.2083
Gm07	3647516	3648503 Gmdrm	hypo	CHH	-0.0383
Gm07	3648528	3649511 Gmdrm	hypo	CHH	-0.1506
Gm07	3654408	3655408 Gmdrm	hypo	CHH	-0.0754
Gm07	3655411	3656410 Gmdrm	hypo	CHH	-0.0535
Gm07	3656413	3657373 Gmdrm	hypo	CHH	-0.0438
Gm07	3666729	3667302 Gmdrm	hypo	CHH	-0.0208
Gm07	3667416	3668414 Gmdrm	hypo	CHH	-0.0637
Gm07	3675273	3676273 Gmdrm	hypo	CHH	-0.1751
Gm07	3676276	3677210 Gmdrm	hypo	CHH	-0.2894
Gm07	3687025	3688022 Gmdrm	hypo	CHH	-0.0368
Gm07	3688035	3689031 Gmdrm	hypo	CHH	-0.0712
Gm07	3689041	3690010 Gmdrm	hypo	CHH	-0.0499

Gm07	3690077	3691070 Gmdrm	hypo	CHH	-0.0268
Gm07	3693830	3694735 Gmdrm	hypo	CHH	-0.019
Gm07	3698363	3699354 Gmdrm	hypo	CHH	-0.1029
Gm07	3699369	3700369 Gmdrm	hypo	CHH	-0.1146
Gm07	3715639	3715947 Gmdrm	hypo	CHH	-0.1535
Gm07	3720414	3721413 Gmdrm	hypo	CHH	-0.0224
Gm07	3739889	3740873 Gmdrm	hypo	CHH	-0.138
Gm07	3741933	3742916 Gmdrm	hypo	CHH	-0.0596
Gm07	3766404	3767393 Gmdrm	hypo	CHH	-0.0342
Gm07	3771671	3772670 Gmdrm	hypo	CHH	-0.1774
Gm07	3772673	3773657 Gmdrm	hypo	CHH	-0.1201
Gm07	3773682	3774674 Gmdrm	hypo	CHH	-0.0199
Gm07	3782525	3782952 Gmdrm	hypo	CHH	-0.0406
Gm07	3784927	3785927 Gmdrm	hypo	CHH	-0.3151
Gm07	3785928	3786274 Gmdrm	hypo	CHH	-0.3207
Gm07	3801937	3802937 Gmdrm	hypo	CHH	-0.0309
Gm07	3802941	3803910 Gmdrm	hypo	CHH	-0.1733
Gm07	3810774	3810858 Gmdrm	hypo	CHH	-0.0214
Gm07	3811982	3812979 Gmdrm	hypo	CHH	-0.2249
Gm07	3812983	3813750 Gmdrm	hypo	CHH	-0.0377
Gm07	3832732	3833724 Gmdrm	hypo	CHH	-0.3498
Gm07	3847878	3848876 Gmdrm	hypo	CHH	-0.0568
Gm07	3858921	3859258 Gmdrm	hypo	CHH	-0.0312
Gm07	3859371	3860366 Gmdrm	hypo	CHH	-0.0198
Gm07	3862266	3863234 Gmdrm	hypo	CHH	-0.0235
Gm07	3865274	3865521 Gmdrm	hypo	CHH	-0.0538
Gm07	3871420	3872091 Gmdrm	hypo	CHH	-0.0202
Gm07	3880624	3881622 Gmdrm	hypo	CHH	-0.0223
Gm07	3881651	3882625 Gmdrm	hypo	CHH	-0.0245
Gm07	3889223	3890201 Gmdrm	hypo	CHH	-0.0213
Gm07	3892899	3893876 Gmdrm	hypo	CHH	-0.0155
Gm07	3898011	3898565 Gmdrm	hypo	CHH	-0.0209
Gm07	3907128	3908128 Gmdrm	hypo	CHH	-0.0188
Gm07	3917432	3918393 Gmdrm	hypo	CHH	-0.0447
Gm07	3918458	3919447 Gmdrm	hypo	CHH	-0.0284
Gm07	3927429	3928361 Gmdrm	hypo	CHH	-0.0125
Gm07	3942036	3943034 Gmdrm	hypo	CHH	-0.0848
Gm07	3943045	3944023 Gmdrm	hypo	CHH	-0.061
Gm07	3945070	3946070 Gmdrm	hypo	CHH	-0.0158
Gm07	3946074	3947055 Gmdrm	hypo	CHH	-0.0673
Gm07	3956388	3957126 Gmdrm	hypo	CHH	-0.0184
Gm07	3958266	3959055 Gmdrm	hypo	CHH	-0.0173
Gm07	3972868	3973867 Gmdrm	hypo	CHH	-0.0634
Gm07	3973883	3974839 Gmdrm	hypo	CHH	-0.054
Gm07	3983845	3984814 Gmdrm	hypo	CHH	-0.034
Gm07	3985820	3986758 Gmdrm	hypo	CHH	-0.032

Gm07	4004172	4005160 Gmdrm	hypo	CHH	-0.0178
Gm07	4013273	4014272 Gmdrm	hypo	CHH	-0.0282
Gm07	4014274	4015266 Gmdrm	hypo	CHH	-0.1804
Gm07	4015294	4015841 Gmdrm	hypo	CHH	-0.3679
Gm07	4016455	4017434 Gmdrm	hypo	CHH	-0.1313
Gm07	4017488	4018480 Gmdrm	hypo	CHH	-0.0147
Gm07	4024580	4025522 Gmdrm	hypo	CHH	-0.0135
Gm07	4026603	4027602 Gmdrm	hypo	CHH	-0.1406
Gm07	4027634	4028627 Gmdrm	hypo	CHH	-0.063
Gm07	4028636	4029626 Gmdrm	hypo	CHH	-0.0329
Gm07	4029641	4030627 Gmdrm	hypo	CHH	-0.019
Gm07	4030643	4031637 Gmdrm	hypo	CHH	-0.0359
Gm07	4031649	4032644 Gmdrm	hypo	CHH	-0.0382
Gm07	4041530	4042526 Gmdrm	hypo	CHH	-0.1809
Gm07	4043272	4044259 Gmdrm	hypo	CHH	-0.0116
Gm07	4049706	4050700 Gmdrm	hypo	CHH	-0.012
Gm07	4060344	4061342 Gmdrm	hypo	CHH	-0.037
Gm07	4069481	4069727 Gmdrm	hypo	CHH	-0.0264
Gm07	4071886	4072835 Gmdrm	hypo	CHH	-0.0266
Gm07	4078431	4078966 Gmdrm	hypo	CHH	-0.0367
Gm07	4087632	4088547 Gmdrm	hypo	CHH	-0.0163
Gm07	4108574	4109559 Gmdrm	hypo	CHH	-0.0199
Gm07	4110588	4111584 Gmdrm	hypo	CHH	-0.0516
Gm07	4111600	4112598 Gmdrm	hypo	CHH	-0.0167
Gm07	4112611	4113567 Gmdrm	hypo	CHH	-0.0377
Gm07	4122761	4123761 Gmdrm	hypo	CHH	-0.0368
Gm07	4123776	4124769 Gmdrm	hypo	CHH	-0.054
Gm07	4125021	4126018 Gmdrm	hypo	CHH	-0.1136
Gm07	4138545	4139545 Gmdrm	hypo	CHH	-0.3014
Gm07	4139546	4140275 Gmdrm	hypo	CHH	-0.2927
Gm07	4144499	4145491 Gmdrm	hypo	CHH	-0.0541
Gm07	4149564	4150556 Gmdrm	hypo	CHH	-0.0264
Gm07	4151456	4152455 Gmdrm	hypo	CHH	-0.0241
Gm07	4153462	4154379 Gmdrm	hypo	CHH	-0.0232
Gm07	4154481	4155479 Gmdrm	hypo	CHH	-0.0139
Gm07	4157610	4158571 Gmdrm	hypo	CHH	-0.0154
Gm07	4169312	4170288 Gmdrm	hypo	CHH	-0.0782
Gm07	4208796	4209024 Gmdrm	hypo	CHH	-0.0487
Gm07	4214207	4215194 Gmdrm	hypo	CHH	-0.0201
Gm07	4218025	4219018 Gmdrm	hypo	CHH	-0.0991
Gm07	4219065	4220053 Gmdrm	hypo	CHH	-0.0339
Gm07	4224088	4225082 Gmdrm	hypo	CHH	-0.047
Gm07	4230504	4231503 Gmdrm	hypo	CHH	-0.0171
Gm07	4231902	4232881 Gmdrm	hypo	CHH	-0.0715
Gm07	4232905	4233886 Gmdrm	hypo	CHH	-0.0139
Gm07	4240056	4241050 Gmdrm	hypo	CHH	-0.039

Gm07	4241065	4242063 Gmdrm	hypo	CHH	-0.0219
Gm07	4253212	4253897 Gmdrm	hypo	CHH	-0.096
Gm07	4259348	4260342 Gmdrm	hypo	CHH	-0.015
Gm07	4261368	4262311 Gmdrm	hypo	CHH	-0.0466
Gm07	4266708	4267701 Gmdrm	hypo	CHH	-0.0913
Gm07	4267725	4268715 Gmdrm	hypo	CHH	-0.1035
Gm07	4268780	4269775 Gmdrm	hypo	CHH	-0.0165
Gm07	4269790	4270772 Gmdrm	hypo	CHH	-0.0391
Gm07	4272813	4273812 Gmdrm	hypo	CHH	-0.1245
Gm07	4273815	4274811 Gmdrm	hypo	CHH	-0.0401
Gm07	4277936	4278923 Gmdrm	hypo	CHH	-0.1423
Gm07	4278942	4279054 Gmdrm	hypo	CHH	-0.0957
Gm07	4283419	4284400 Gmdrm	hypo	CHH	-0.2549
Gm07	4305553	4306550 Gmdrm	hypo	CHH	-0.0156
Gm07	4306569	4307569 Gmdrm	hypo	CHH	-0.0112
Gm07	4307993	4308962 Gmdrm	hypo	CHH	-0.0327
Gm07	4310017	4310964 Gmdrm	hypo	CHH	-0.0184
Gm07	4330299	4331266 Gmdrm	hypo	CHH	-0.1288
Gm07	4346072	4347071 Gmdrm	hypo	CHH	-0.0974
Gm07	4347088	4348087 Gmdrm	hypo	CHH	-0.0709
Gm07	4352183	4353144 Gmdrm	hypo	CHH	-0.0476
Gm07	4355535	4356515 Gmdrm	hypo	CHH	-0.0181
Gm07	4366631	4367616 Gmdrm	hypo	CHH	-0.0773
Gm07	4367650	4368108 Gmdrm	hypo	CHH	-0.1238
Gm07	4368314	4368723 Gmdrm	hypo	CHH	-0.0957
Gm07	4376836	4377808 Gmdrm	hypo	CHH	-0.1027
Gm07	4385940	4386940 Gmdrm	hypo	CHH	-0.0315
Gm07	4394949	4395949 Gmdrm	hypo	CHH	-0.0258
Gm07	4404155	4405152 Gmdrm	hypo	CHH	-0.0291
Gm07	4414199	4415184 Gmdrm	hypo	CHH	-0.0177
Gm07	4417968	4418894 Gmdrm	hypo	CHH	-0.1263
Gm07	4424022	4424993 Gmdrm	hypo	CHH	-0.0156
Gm07	4426736	4427235 Gmdrm	hypo	CHH	-0.0722
Gm07	4445592	4446566 Gmdrm	hypo	CHH	-0.1945
Gm07	4452627	4453624 Gmdrm	hypo	CHH	-0.0382
Gm07	4453628	4454621 Gmdrm	hypo	CHH	-0.0933
Gm07	4454630	4455617 Gmdrm	hypo	CHH	-0.0752
Gm07	4456648	4457646 Gmdrm	hypo	CHH	-0.0108
Gm07	4461099	4462094 Gmdrm	hypo	CHH	-0.2013
Gm07	4464149	4465148 Gmdrm	hypo	CHH	-0.3392
Gm07	4467976	4468976 Gmdrm	hypo	CHH	-0.0976
Gm07	4477049	4477714 Gmdrm	hypo	CHH	-0.0236
Gm07	4489450	4490450 Gmdrm	hypo	CHH	-0.0167
Gm07	4499504	4500504 Gmdrm	hypo	CHH	-0.0143
Gm07	4512725	4513722 Gmdrm	hypo	CHH	-0.0263
Gm07	4513728	4514703 Gmdrm	hypo	CHH	-0.0914

Gm07	4521979	4522960 Gmdrm	hypo	CHH	-0.0194
Gm07	4522981	4523636 Gmdrm	hypo	CHH	-0.0256
Gm07	4527416	4528410 Gmdrm	hypo	CHH	-0.0642
Gm07	4555399	4556389 Gmdrm	hypo	CHH	-0.0269
Gm07	4568736	4569699 Gmdrm	hypo	CHH	-0.0172
Gm07	4569773	4570771 Gmdrm	hypo	CHH	-0.0287
Gm07	4581727	4582704 Gmdrm	hypo	CHH	-0.0755
Gm07	4586629	4587616 Gmdrm	hypo	CHH	-0.042
Gm07	4602440	4603437 Gmdrm	hypo	CHH	-0.0629
Gm07	4607781	4608778 Gmdrm	hypo	CHH	-0.0173
Gm07	4610789	4611789 Gmdrm	hypo	CHH	-0.0613
Gm07	4611800	4612800 Gmdrm	hypo	CHH	-0.0419
Gm07	4626847	4627546 Gmdrm	hypo	CHH	-0.0991
Gm07	4632088	4633076 Gmdrm	hypo	CHH	-0.2042
Gm07	4637129	4638109 Gmdrm	hypo	CHH	-0.025
Gm07	4652423	4653413 Gmdrm	hypo	CHH	-0.088
Gm07	4668767	4669619 Gmdrm	hypo	CHH	-0.0438
Gm07	4681707	4682695 Gmdrm	hypo	CHH	-0.0095
Gm07	4690788	4691788 Gmdrm	hypo	CHH	-0.1037
Gm07	4691797	4692797 Gmdrm	hypo	CHH	-0.0751
Gm07	4692798	4693797 Gmdrm	hypo	CHH	-0.0659
Gm07	4693799	4694791 Gmdrm	hypo	CHH	-0.0598
Gm07	4694804	4695240 Gmdrm	hypo	CHH	-0.1291
Gm07	4695936	4696699 Gmdrm	hypo	CHH	-0.0803
Gm07	4702511	4703502 Gmdrm	hypo	CHH	-0.0098
Gm07	4707565	4708555 Gmdrm	hypo	CHH	-0.0114
Gm07	4712004	4712859 Gmdrm	hypo	CHH	-0.0243
Gm07	4719119	4720106 Gmdrm	hypo	CHH	-0.0876
Gm07	4722558	4723208 Gmdrm	hypo	CHH	-0.026
Gm07	4723695	4724694 Gmdrm	hypo	CHH	-0.2375
Gm07	4724698	4725647 Gmdrm	hypo	CHH	-0.0714
Gm07	4726745	4727604 Gmdrm	hypo	CHH	-0.1096
Gm07	4729732	4730732 Gmdrm	hypo	CHH	-0.214
Gm07	4737695	4738690 Gmdrm	hypo	CHH	-0.1995
Gm07	4740258	4741243 Gmdrm	hypo	CHH	-0.0705
Gm07	4741264	4742258 Gmdrm	hypo	CHH	-0.0766
Gm07	4744291	4745291 Gmdrm	hypo	CHH	-0.0533
Gm07	4745292	4745749 Gmdrm	hypo	CHH	-0.2153
Gm07	4774177	4775169 Gmdrm	hypo	CHH	-0.0829
Gm07	4779410	4780403 Gmdrm	hypo	CHH	-0.1747
Gm07	4782492	4783431 Gmdrm	hypo	CHH	-0.029
Gm07	4802558	4803148 Gmdrm	hypo	CHH	-0.0279
Gm07	4806809	4807799 Gmdrm	hypo	CHH	-0.0211
Gm07	4809387	4810362 Gmdrm	hypo	CHH	-0.0167
Gm07	4819773	4820773 Gmdrm	hypo	CHH	-0.045
Gm07	4823654	4824633 Gmdrm	hypo	CHH	-0.034

Gm07	4824703	4825689	Gmdrm	hypo	CHH	-0.0145
Gm07	4825722	4826361	Gmdrm	hypo	CHH	-0.4868
Gm07	4827473	4828454	Gmdrm	hypo	CHH	-0.0147
Gm07	4828535	4829532	Gmdrm	hypo	CHH	-0.0299
Gm07	4829541	4830541	Gmdrm	hypo	CHH	-0.0342
Gm07	4832544	4833543	Gmdrm	hypo	CHH	-0.0395
Gm07	4848320	4849318	Gmdrm	hypo	CHH	-0.0151
Gm07	4873778	4874775	Gmdrm	hypo	CHH	-0.1641
Gm07	4874780	4875764	Gmdrm	hypo	CHH	-0.1259
Gm07	4888088	4889088	Gmdrm	hypo	CHH	-0.0273
Gm07	4889092	4890085	Gmdrm	hypo	CHH	-0.0315
Gm07	4906013	4906795	Gmdrm	hypo	CHH	-0.0144
Gm07	4912091	4912595	Gmdrm	hypo	CHH	-0.3232
Gm07	4913897	4914889	Gmdrm	hypo	CHH	-0.0315
Gm07	4918111	4919109	Gmdrm	hypo	CHH	-0.02
Gm07	4919889	4920882	Gmdrm	hypo	CHH	-0.0162
Gm07	4921880	4922656	Gmdrm	hypo	CHH	-0.2682
Gm07	4924985	4925962	Gmdrm	hypo	CHH	-0.053
Gm07	4946898	4947876	Gmdrm	hypo	CHH	-0.0144
Gm07	4951212	4952204	Gmdrm	hypo	CHH	-0.0308
Gm07	4952223	4953220	Gmdrm	hypo	CHH	-0.14
Gm07	4965783	4966781	Gmdrm	hypo	CHH	-0.0634
Gm07	4966788	4967788	Gmdrm	hypo	CHH	-0.1099
Gm07	4967799	4968783	Gmdrm	hypo	CHH	-0.0141
Gm07	4977687	4978684	Gmdrm	hypo	CHH	-0.0143
Gm07	4979772	4980770	Gmdrm	hypo	CHH	-0.0674
Gm07	4999144	5000142	Gmdrm	hypo	CHH	-0.016
Gm07	5003811	5004734	Gmdrm	hypo	CHH	-0.046
Gm07	5011553	5012548	Gmdrm	hypo	CHH	-0.0407
Gm07	5013591	5014569	Gmdrm	hypo	CHH	-0.0584
Gm07	5014622	5015589	Gmdrm	hypo	CHH	-0.0224
Gm07	5026136	5027136	Gmdrm	hypo	CHH	-0.0977
Gm07	5027144	5027363	Gmdrm	hypo	CHH	-0.0364
Gm07	5027947	5028946	Gmdrm	hypo	CHH	-0.0209
Gm07	5028955	5029955	Gmdrm	hypo	CHH	-0.0388
Gm07	5033578	5034578	Gmdrm	hypo	CHH	-0.1618
Gm07	5034580	5035559	Gmdrm	hypo	CHH	-0.0283
Gm07	5045246	5045426	Gmdrm	hypo	CHH	-0.0394
Gm07	5047067	5048061	Gmdrm	hypo	CHH	-0.3031
Gm07	5048082	5048305	Gmdrm	hypo	CHH	-0.4056
Gm07	5048517	5049487	Gmdrm	hypo	CHH	-0.0322
Gm07	5049539	5050528	Gmdrm	hypo	CHH	-0.0287
Gm07	5050541	5051528	Gmdrm	hypo	CHH	-0.073
Gm07	5057460	5058456	Gmdrm	hypo	CHH	-0.0152
Gm07	5081993	5082982	Gmdrm	hypo	CHH	-0.0445
Gm07	5119610	5119683	Gmdrm	hypo	CHH	-0.075

Gm07	5126013	5127010 Gmdrm	hypo	CHH	-0.031
Gm07	5127029	5127998 Gmdrm	hypo	CHH	-0.0766
Gm07	5131868	5132655 Gmdrm	hypo	CHH	-0.0504
Gm07	5138915	5139911 Gmdrm	hypo	CHH	-0.0642
Gm07	5140962	5141960 Gmdrm	hypo	CHH	-0.0176
Gm07	5145021	5145112 Gmdrm	hypo	CHH	-0.0514
Gm07	5168053	5169052 Gmdrm	hypo	CHH	-0.093
Gm07	5169054	5170051 Gmdrm	hypo	CHH	-0.1124
Gm07	5170055	5170497 Gmdrm	hypo	CHH	-0.0904
Gm07	5179261	5180102 Gmdrm	hypo	CHH	-0.0139
Gm07	5180216	5181216 Gmdrm	hypo	CHH	-0.1728
Gm07	5181222	5182204 Gmdrm	hypo	CHH	-0.1105
Gm07	5184294	5185284 Gmdrm	hypo	CHH	-0.0348
Gm07	5190428	5191428 Gmdrm	hypo	CHH	-0.0195
Gm07	5199699	5200677 Gmdrm	hypo	CHH	-0.0149
Gm07	5210666	5211112 Gmdrm	hypo	CHH	-0.0193
Gm07	5211256	5211752 Gmdrm	hypo	CHH	-0.075
Gm07	5212869	5213789 Gmdrm	hypo	CHH	-0.0176
Gm07	5223654	5224653 Gmdrm	hypo	CHH	-0.0405
Gm07	5224656	5225654 Gmdrm	hypo	CHH	-0.1021
Gm07	5230476	5231473 Gmdrm	hypo	CHH	-0.0665
Gm07	5236524	5237516 Gmdrm	hypo	CHH	-0.0944
Gm07	5242411	5243405 Gmdrm	hypo	CHH	-0.0192
Gm07	5248018	5249016 Gmdrm	hypo	CHH	-0.1125
Gm07	5249022	5249505 Gmdrm	hypo	CHH	-0.0682
Gm07	5249617	5250599 Gmdrm	hypo	CHH	-0.0791
Gm07	5269081	5270050 Gmdrm	hypo	CHH	-0.0292
Gm07	5270419	5271001 Gmdrm	hypo	CHH	-0.0245
Gm07	5272309	5273299 Gmdrm	hypo	CHH	-0.0635
Gm07	5275421	5276405 Gmdrm	hypo	CHH	-0.0497
Gm07	5277464	5278461 Gmdrm	hypo	CHH	-0.0351
Gm07	5278473	5279472 Gmdrm	hypo	CHH	-0.0943
Gm07	5280526	5280864 Gmdrm	hypo	CHH	-0.0392
Gm07	5285559	5286559 Gmdrm	hypo	CHH	-0.0793
Gm07	5304754	5305722 Gmdrm	hypo	CHH	-0.037
Gm07	5320722	5321716 Gmdrm	hypo	CHH	-0.0178
Gm07	5321729	5322728 Gmdrm	hypo	CHH	-0.0578
Gm07	5322731	5323731 Gmdrm	hypo	CHH	-0.0666
Gm07	5323739	5324734 Gmdrm	hypo	CHH	-0.0614
Gm07	5336464	5337306 Gmdrm	hypo	CHH	-0.0322
Gm07	5348769	5349766 Gmdrm	hypo	CHH	-0.0139
Gm07	5349777	5350775 Gmdrm	hypo	CHH	-0.1606
Gm07	5352789	5353658 Gmdrm	hypo	CHH	-0.0663
Gm07	5355835	5356827 Gmdrm	hypo	CHH	-0.012
Gm07	5363993	5364989 Gmdrm	hypo	CHH	-0.0129
Gm07	5372451	5373448 Gmdrm	hypo	CHH	-0.0341

Gm07	5373461	5374449 Gmdrm	hypo	CHH	-0.051
Gm07	5387037	5388032 Gmdrm	hypo	CHH	-0.2002
Gm07	5389594	5390590 Gmdrm	hypo	CHH	-0.1247
Gm07	5391353	5392335 Gmdrm	hypo	CHH	-0.0178
Gm07	5398139	5399132 Gmdrm	hypo	CHH	-0.0253
Gm07	5400356	5400934 Gmdrm	hypo	CHH	-0.0277
Gm07	5407970	5408949 Gmdrm	hypo	CHH	-0.0156
Gm07	5409003	5409999 Gmdrm	hypo	CHH	-0.0161
Gm07	5411068	5412067 Gmdrm	hypo	CHH	-0.0311
Gm07	5418849	5419318 Gmdrm	hypo	CHH	-0.033
Gm07	5419467	5420467 Gmdrm	hypo	CHH	-0.2539
Gm07	5422477	5423467 Gmdrm	hypo	CHH	-0.0117
Gm07	5426533	5427520 Gmdrm	hypo	CHH	-0.016
Gm07	5435367	5435402 Gmdrm	hypo	CHH	-0.028
Gm07	5435613	5436581 Gmdrm	hypo	CHH	-0.0089
Gm07	5439073	5440073 Gmdrm	hypo	CHH	-0.016
Gm07	5441490	5442462 Gmdrm	hypo	CHH	-0.2126
Gm07	5447754	5448282 Gmdrm	hypo	CHH	-0.0268
Gm07	5470475	5471091 Gmdrm	hypo	CHH	-0.0332
Gm07	5483516	5484512 Gmdrm	hypo	CHH	-0.0318
Gm07	5484520	5485340 Gmdrm	hypo	CHH	-0.0201
Gm07	5496125	5496828 Gmdrm	hypo	CHH	-0.026
Gm07	5501792	5502783 Gmdrm	hypo	CHH	-0.1092
Gm07	5502793	5503774 Gmdrm	hypo	CHH	-0.048
Gm07	5506623	5506777 Gmdrm	hypo	CHH	-0.0266
Gm07	5507926	5508916 Gmdrm	hypo	CHH	-0.0182
Gm07	5509939	5510520 Gmdrm	hypo	CHH	-0.0209
Gm07	5511691	5512691 Gmdrm	hypo	CHH	-0.0134
Gm07	5515039	5516027 Gmdrm	hypo	CHH	-0.0117
Gm07	5525540	5526537 Gmdrm	hypo	CHH	-0.0579
Gm07	5526547	5527538 Gmdrm	hypo	CHH	-0.0577
Gm07	5530417	5530512 Gmdrm	hypo	CHH	-0.0414
Gm07	5532983	5533980 Gmdrm	hypo	CHH	-0.2167
Gm07	5533995	5534980 Gmdrm	hypo	CHH	-0.1564
Gm07	5537072	5538058 Gmdrm	hypo	CHH	-0.0253
Gm07	5539338	5540135 Gmdrm	hypo	CHH	-0.0769
Gm07	5557880	5558076 Gmdrm	hypo	CHH	-0.0473
Gm07	5560331	5561042 Gmdrm	hypo	CHH	-0.0459
Gm07	5588682	5589675 Gmdrm	hypo	CHH	-0.0285
Gm07	5605752	5606717 Gmdrm	hypo	CHH	-0.019
Gm07	5606760	5607749 Gmdrm	hypo	CHH	-0.0089
Gm07	5611201	5612199 Gmdrm	hypo	CHH	-0.0363
Gm07	5612227	5613227 Gmdrm	hypo	CHH	-0.2036
Gm07	5613258	5614216 Gmdrm	hypo	CHH	-0.0408
Gm07	5637996	5638991 Gmdrm	hypo	CHH	-0.0648
Gm07	5639008	5639877 Gmdrm	hypo	CHH	-0.1429

Gm07	5640859	5641832	Gmdrm	hypo	CHH	-0.0192
Gm07	5656727	5657698	Gmdrm	hypo	CHH	-0.0136
Gm07	5660538	5661532	Gmdrm	hypo	CHH	-0.0245
Gm07	5661540	5662535	Gmdrm	hypo	CHH	-0.0333
Gm07	5662543	5663511	Gmdrm	hypo	CHH	-0.0135
Gm07	5670214	5670643	Gmdrm	hypo	CHH	-0.064
Gm07	5673024	5674021	Gmdrm	hypo	CHH	-0.0557
Gm07	5675483	5676287	Gmdrm	hypo	CHH	-0.029
Gm07	5687534	5688530	Gmdrm	hypo	CHH	-0.0376
Gm07	5688537	5688967	Gmdrm	hypo	CHH	-0.1122
Gm07	5706686	5707452	Gmdrm	hypo	CHH	-0.0577
Gm07	5715742	5716660	Gmdrm	hypo	CHH	-0.0138
Gm07	5720175	5721170	Gmdrm	hypo	CHH	-0.0092
Gm07	5728181	5728400	Gmdrm	hypo	CHH	-0.04
Gm07	5732021	5733006	Gmdrm	hypo	CHH	-0.0108
Gm07	5740594	5741039	Gmdrm	hypo	CHH	-0.0319
Gm07	5742187	5743178	Gmdrm	hypo	CHH	-0.0125
Gm07	5753372	5754347	Gmdrm	hypo	CHH	-0.0881
Gm07	5759258	5760258	Gmdrm	hypo	CHH	-0.0383
Gm07	5761043	5762036	Gmdrm	hypo	CHH	-0.1146
Gm07	5767086	5768078	Gmdrm	hypo	CHH	-0.079
Gm07	5770872	5771866	Gmdrm	hypo	CHH	-0.0359
Gm07	5774538	5775533	Gmdrm	hypo	CHH	-0.0192
Gm07	5818304	5819279	Gmdrm	hypo	CHH	-0.0259
Gm07	5833295	5834263	Gmdrm	hypo	CHH	-0.0175
Gm07	5836771	5837754	Gmdrm	hypo	CHH	-0.0243
Gm07	5842801	5843801	Gmdrm	hypo	CHH	-0.06
Gm07	5843813	5844795	Gmdrm	hypo	CHH	-0.0458
Gm07	5854438	5855436	Gmdrm	hypo	CHH	-0.0178
Gm07	5857486	5858472	Gmdrm	hypo	CHH	-0.0151
Gm07	5859765	5860764	Gmdrm	hypo	CHH	-0.0396
Gm07	5860766	5861753	Gmdrm	hypo	CHH	-0.0776
Gm07	5861768	5862714	Gmdrm	hypo	CHH	-0.0258
Gm07	5873650	5874462	Gmdrm	hypo	CHH	-0.0312
Gm07	5880155	5881144	Gmdrm	hypo	CHH	-0.0119
Gm07	5889945	5890434	Gmdrm	hypo	CHH	-0.1119
Gm07	5890585	5891585	Gmdrm	hypo	CHH	-0.0188
Gm07	5892613	5893608	Gmdrm	hypo	CHH	-0.0122
Gm07	5905003	5906000	Gmdrm	hypo	CHH	-0.1306
Gm07	5906012	5906443	Gmdrm	hypo	CHH	-0.0505
Gm07	5910279	5911278	Gmdrm	hypo	CHH	-0.0734
Gm07	5911288	5912287	Gmdrm	hypo	CHH	-0.0546
Gm07	5920382	5921334	Gmdrm	hypo	CHH	-0.0395
Gm07	5930760	5931745	Gmdrm	hypo	CHH	-0.02
Gm07	5959642	5960639	Gmdrm	hypo	CHH	-0.0232
Gm07	5962680	5962830	Gmdrm	hypo	CHH	-0.0329

Gm07	5967218	5968216 Gmdrm	hypo	CHH	-0.0221
Gm07	5970737	5971733 Gmdrm	hypo	CHH	-0.0105
Gm07	5972843	5973836 Gmdrm	hypo	CHH	-0.2322
Gm07	5980576	5981576 Gmdrm	hypo	CHH	-0.0127
Gm07	5982591	5983576 Gmdrm	hypo	CHH	-0.0385
Gm07	5983595	5984593 Gmdrm	hypo	CHH	-0.0473
Gm07	5998928	5999922 Gmdrm	hypo	CHH	-0.0708
Gm07	5999929	6000928 Gmdrm	hypo	CHH	-0.0577
Gm07	6002306	6003296 Gmdrm	hypo	CHH	-0.023
Gm07	6005380	6006359 Gmdrm	hypo	CHH	-0.0262
Gm07	6006387	6007373 Gmdrm	hypo	CHH	-0.0188
Gm07	6008434	6009433 Gmdrm	hypo	CHH	-0.032
Gm07	6010469	6011464 Gmdrm	hypo	CHH	-0.0432
Gm07	6011476	6012475 Gmdrm	hypo	CHH	-0.0205
Gm07	6014514	6015511 Gmdrm	hypo	CHH	-0.0438
Gm07	6015529	6016281 Gmdrm	hypo	CHH	-0.04
Gm07	6018569	6018718 Gmdrm	hypo	CHH	-0.1218
Gm07	6018826	6018898 Gmdrm	hypo	CHH	-0.032
Gm07	6026057	6027046 Gmdrm	hypo	CHH	-0.017
Gm07	6033053	6034047 Gmdrm	hypo	CHH	-0.1162
Gm07	6038246	6039236 Gmdrm	hypo	CHH	-0.0634
Gm07	6041281	6042280 Gmdrm	hypo	CHH	-0.042
Gm07	6066273	6067269 Gmdrm	hypo	CHH	-0.2368
Gm07	6075929	6076899 Gmdrm	hypo	CHH	-0.0278
Gm07	6087652	6088635 Gmdrm	hypo	CHH	-0.0576
Gm07	6091315	6092313 Gmdrm	hypo	CHH	-0.0388
Gm07	6101042	6102035 Gmdrm	hypo	CHH	-0.0159
Gm07	6102043	6103038 Gmdrm	hypo	CHH	-0.0846
Gm07	6103048	6104040 Gmdrm	hypo	CHH	-0.0136
Gm07	6106123	6107122 Gmdrm	hypo	CHH	-0.1122
Gm07	6108640	6109620 Gmdrm	hypo	CHH	-0.0943
Gm07	6109653	6109962 Gmdrm	hypo	CHH	-0.0722
Gm07	6112086	6112609 Gmdrm	hypo	CHH	-0.0196
Gm07	6118699	6118974 Gmdrm	hypo	CHH	-0.0647
Gm07	6139722	6140705 Gmdrm	hypo	CHH	-0.0542
Gm07	6140727	6141721 Gmdrm	hypo	CHH	-0.1614
Gm07	6144373	6145364 Gmdrm	hypo	CHH	-0.028
Gm07	6145375	6146373 Gmdrm	hypo	CHH	-0.0123
Gm07	6154752	6154855 Gmdrm	hypo	CHH	-0.0483
Gm07	6176965	6177961 Gmdrm	hypo	CHH	-0.026
Gm07	6177990	6178916 Gmdrm	hypo	CHH	-0.0288
Gm07	6187152	6188116 Gmdrm	hypo	CHH	-0.0185
Gm07	6197886	6198882 Gmdrm	hypo	CHH	-0.0597
Gm07	6201602	6202402 Gmdrm	hypo	CHH	-0.2204
Gm07	6210618	6211577 Gmdrm	hypo	CHH	-0.0741
Gm07	6212215	6213214 Gmdrm	hypo	CHH	-0.0625

Gm07	6219350	6220346	Gmdrm	hypo	CHH	-0.1089
Gm07	6226083	6227057	Gmdrm	hypo	CHH	-0.0162
Gm07	6242805	6243791	Gmdrm	hypo	CHH	-0.1824
Gm07	6253442	6254429	Gmdrm	hypo	CHH	-0.0303
Gm07	6254463	6255463	Gmdrm	hypo	CHH	-0.0267
Gm07	6255476	6256443	Gmdrm	hypo	CHH	-0.0226
Gm07	6261815	6262813	Gmdrm	hypo	CHH	-0.0404
Gm07	6263821	6264819	Gmdrm	hypo	CHH	-0.0677
Gm07	6284431	6284977	Gmdrm	hypo	CHH	-0.0437
Gm07	6291460	6292350	Gmdrm	hypo	CHH	-0.122
Gm07	6308195	6309165	Gmdrm	hypo	CHH	-0.0163
Gm07	6310510	6311491	Gmdrm	hypo	CHH	-0.0166
Gm07	6323621	6324587	Gmdrm	hypo	CHH	-0.0458
Gm07	6324641	6325633	Gmdrm	hypo	CHH	-0.0509
Gm07	6325648	6326635	Gmdrm	hypo	CHH	-0.0327
Gm07	6353881	6354878	Gmdrm	hypo	CHH	-0.0771
Gm07	6354886	6355881	Gmdrm	hypo	CHH	-0.076
Gm07	6355915	6356910	Gmdrm	hypo	CHH	-0.0527
Gm07	6358110	6358149	Gmdrm	hypo	CHH	-0.06
Gm07	6361271	6362243	Gmdrm	hypo	CHH	-0.0276
Gm07	6364969	6365961	Gmdrm	hypo	CHH	-0.0192
Gm07	6378287	6378731	Gmdrm	hypo	CHH	-0.0253
Gm07	6394227	6395227	Gmdrm	hypo	CHH	-0.1151
Gm07	6395230	6395603	Gmdrm	hypo	CHH	-0.3229
Gm07	6404496	6405483	Gmdrm	hypo	CHH	-0.0164
Gm07	6406516	6407475	Gmdrm	hypo	CHH	-0.1936
Gm07	6416589	6417563	Gmdrm	hypo	CHH	-0.0176
Gm07	6423741	6424269	Gmdrm	hypo	CHH	-0.02
Gm07	6434313	6435310	Gmdrm	hypo	CHH	-0.0171
Gm07	6435318	6436313	Gmdrm	hypo	CHH	-0.1635
Gm07	6436326	6437281	Gmdrm	hypo	CHH	-0.2056
Gm07	6454620	6455613	Gmdrm	hypo	CHH	-0.0136
Gm07	6461010	6461816	Gmdrm	hypo	CHH	-0.0784
Gm07	6469454	6470454	Gmdrm	hypo	CHH	-0.0142
Gm07	6470459	6471440	Gmdrm	hypo	CHH	-0.0543
Gm07	6474089	6475080	Gmdrm	hypo	CHH	-0.0815
Gm07	6483855	6484159	Gmdrm	hypo	CHH	-0.0734
Gm07	6484350	6484460	Gmdrm	hypo	CHH	-0.036
Gm07	6486383	6486956	Gmdrm	hypo	CHH	-0.0519
Gm07	6492695	6493687	Gmdrm	hypo	CHH	-0.0229
Gm07	6507401	6507563	Gmdrm	hypo	CHH	-0.0278
Gm07	6507686	6508673	Gmdrm	hypo	CHH	-0.0185
Gm07	6515243	6516213	Gmdrm	hypo	CHH	-0.1003
Gm07	6520984	6521976	Gmdrm	hypo	CHH	-0.0147
Gm07	6522988	6523932	Gmdrm	hypo	CHH	-0.1414
Gm07	6524290	6525288	Gmdrm	hypo	CHH	-0.368

Gm07	6525320	6526157 Gmdrm	hypo	CHH	-0.1255
Gm07	6527685	6528636 Gmdrm	hypo	CHH	-0.0598
Gm07	6539650	6540650 Gmdrm	hypo	CHH	-0.018
Gm07	6541685	6542683 Gmdrm	hypo	CHH	-0.0376
Gm07	6542686	6543683 Gmdrm	hypo	CHH	-0.2963
Gm07	6545203	6546199 Gmdrm	hypo	CHH	-0.0205
Gm07	6554119	6554350 Gmdrm	hypo	CHH	-0.0362
Gm07	6557372	6558335 Gmdrm	hypo	CHH	-0.0294
Gm07	6566979	6567978 Gmdrm	hypo	CHH	-0.0293
Gm07	6570871	6571745 Gmdrm	hypo	CHH	-0.102
Gm07	6574743	6575740 Gmdrm	hypo	CHH	-0.0266
Gm07	6579350	6580301 Gmdrm	hypo	CHH	-0.0127
Gm07	6586599	6587584 Gmdrm	hypo	CHH	-0.0391
Gm07	6587634	6588633 Gmdrm	hypo	CHH	-0.0373
Gm07	6593934	6594231 Gmdrm	hypo	CHH	-0.0271
Gm07	6595417	6595979 Gmdrm	hypo	CHH	-0.0318
Gm07	6597145	6598143 Gmdrm	hypo	CHH	-0.0255
Gm07	6598179	6599134 Gmdrm	hypo	CHH	-0.0733
Gm07	6600228	6601206 Gmdrm	hypo	CHH	-0.0116
Gm07	6605707	6606304 Gmdrm	hypo	CHH	-0.0151
Gm07	6616897	6617879 Gmdrm	hypo	CHH	-0.0736
Gm07	6617901	6618888 Gmdrm	hypo	CHH	-0.2476
Gm07	6618906	6619882 Gmdrm	hypo	CHH	-0.0278
Gm07	6624878	6625592 Gmdrm	hypo	CHH	-0.1379
Gm07	6629741	6630711 Gmdrm	hypo	CHH	-0.0539
Gm07	6640305	6641282 Gmdrm	hypo	CHH	-0.0197
Gm07	6641345	6642318 Gmdrm	hypo	CHH	-0.0092
Gm07	6642713	6643711 Gmdrm	hypo	CHH	-0.0644
Gm07	6643714	6644689 Gmdrm	hypo	CHH	-0.2251
Gm07	6648768	6649758 Gmdrm	hypo	CHH	-0.0223
Gm07	6651865	6652537 Gmdrm	hypo	CHH	-0.0169
Gm07	6653678	6653968 Gmdrm	hypo	CHH	-0.1056
Gm07	6654200	6655175 Gmdrm	hypo	CHH	-0.1092
Gm07	6655204	6656196 Gmdrm	hypo	CHH	-0.0434
Gm07	6659913	6660898 Gmdrm	hypo	CHH	-0.0176
Gm07	6673293	6674270 Gmdrm	hypo	CHH	-0.1871
Gm07	6680381	6681375 Gmdrm	hypo	CHH	-0.0105
Gm07	6688264	6688307 Gmdrm	hypo	CHH	-0.048
Gm07	6689709	6690675 Gmdrm	hypo	CHH	-0.1228
Gm07	6690844	6691661 Gmdrm	hypo	CHH	-0.0863
Gm07	6691791	6692515 Gmdrm	hypo	CHH	-0.0337
Gm07	6692625	6693615 Gmdrm	hypo	CHH	-0.1415
Gm07	6697612	6698608 Gmdrm	hypo	CHH	-0.0123
Gm07	6701678	6702674 Gmdrm	hypo	CHH	-0.227
Gm07	6710428	6711343 Gmdrm	hypo	CHH	-0.1205
Gm07	6715188	6715843 Gmdrm	hypo	CHH	-0.0585

Gm07	6718366	6719359	Gmdrm	hypo	CHH	-0.097
Gm07	6731197	6732191	Gmdrm	hypo	CHH	-0.0379
Gm07	6741971	6742963	Gmdrm	hypo	CHH	-0.0386
Gm07	6742975	6743968	Gmdrm	hypo	CHH	-0.157
Gm07	6745006	6746000	Gmdrm	hypo	CHH	-0.0235
Gm07	6747330	6748294	Gmdrm	hypo	CHH	-0.0155
Gm07	6748338	6749338	Gmdrm	hypo	CHH	-0.062
Gm07	6749339	6750336	Gmdrm	hypo	CHH	-0.0506
Gm07	6751375	6752357	Gmdrm	hypo	CHH	-0.0661
Gm07	6752381	6752555	Gmdrm	hypo	CHH	-0.0836
Gm07	6752734	6753728	Gmdrm	hypo	CHH	-0.031
Gm07	6753745	6754564	Gmdrm	hypo	CHH	-0.0232
Gm07	6759238	6760238	Gmdrm	hypo	CHH	-0.1348
Gm07	6760245	6761245	Gmdrm	hypo	CHH	-0.2345
Gm07	6766640	6767616	Gmdrm	hypo	CHH	-0.0198
Gm07	6771261	6772260	Gmdrm	hypo	CHH	-0.1193
Gm07	6773345	6774340	Gmdrm	hypo	CHH	-0.0311
Gm07	6774349	6774968	Gmdrm	hypo	CHH	-0.07
Gm07	6775240	6776236	Gmdrm	hypo	CHH	-0.1342
Gm07	6776256	6777239	Gmdrm	hypo	CHH	-0.068
Gm07	6777267	6778266	Gmdrm	hypo	CHH	-0.0722
Gm07	6778268	6779266	Gmdrm	hypo	CHH	-0.0397
Gm07	6783943	6784940	Gmdrm	hypo	CHH	-0.0213
Gm07	6794341	6795320	Gmdrm	hypo	CHH	-0.0195
Gm07	6795381	6796319	Gmdrm	hypo	CHH	-0.0507
Gm07	6797153	6798153	Gmdrm	hypo	CHH	-0.015
Gm07	6799157	6800150	Gmdrm	hypo	CHH	-0.2166
Gm07	6802140	6803114	Gmdrm	hypo	CHH	-0.3342
Gm07	6810568	6810613	Gmdrm	hypo	CHH	-0.0567
Gm07	6813068	6814065	Gmdrm	hypo	CHH	-0.0601
Gm07	6818118	6819118	Gmdrm	hypo	CHH	-0.0402
Gm07	6819127	6820124	Gmdrm	hypo	CHH	-0.0983
Gm07	6820128	6821125	Gmdrm	hypo	CHH	-0.0741
Gm07	6821129	6821588	Gmdrm	hypo	CHH	-0.1545
Gm07	6821778	6822313	Gmdrm	hypo	CHH	-0.1861
Gm07	6823544	6824537	Gmdrm	hypo	CHH	-0.1255
Gm07	6824545	6825535	Gmdrm	hypo	CHH	-0.0181
Gm07	6825555	6826554	Gmdrm	hypo	CHH	-0.0717
Gm07	6826563	6827539	Gmdrm	hypo	CHH	-0.1176
Gm07	6828601	6829592	Gmdrm	hypo	CHH	-0.0172
Gm07	6832363	6833361	Gmdrm	hypo	CHH	-0.1316
Gm07	6842600	6843598	Gmdrm	hypo	CHH	-0.0743
Gm07	6866426	6867382	Gmdrm	hypo	CHH	-0.0133
Gm07	6873374	6874373	Gmdrm	hypo	CHH	-0.0233
Gm07	6874424	6875407	Gmdrm	hypo	CHH	-0.1166
Gm07	6882880	6883880	Gmdrm	hypo	CHH	-0.0093

Gm07	6885869	6886862	Gmdrm	hypo	CHH	-0.0264
Gm07	6904695	6905665	Gmdrm	hypo	CHH	-0.1244
Gm07	6919911	6920247	Gmdrm	hypo	CHH	-0.0527
Gm07	6926831	6927809	Gmdrm	hypo	CHH	-0.0142
Gm07	6927834	6928825	Gmdrm	hypo	CHH	-0.0137
Gm07	6928843	6929842	Gmdrm	hypo	CHH	-0.0267
Gm07	6941349	6942340	Gmdrm	hypo	CHH	-0.0822
Gm07	6942378	6943377	Gmdrm	hypo	CHH	-0.0987
Gm07	6949310	6950307	Gmdrm	hypo	CHH	-0.0151
Gm07	6954984	6955984	Gmdrm	hypo	CHH	-0.0178
Gm07	6958007	6959006	Gmdrm	hypo	CHH	-0.0707
Gm07	6959008	6959999	Gmdrm	hypo	CHH	-0.0496
Gm07	6969636	6970620	Gmdrm	hypo	CHH	-0.1677
Gm07	6971642	6972636	Gmdrm	hypo	CHH	-0.0124
Gm07	6972671	6973376	Gmdrm	hypo	CHH	-0.0143
Gm07	6985504	6986480	Gmdrm	hypo	CHH	-0.0261
Gm07	6986508	6987502	Gmdrm	hypo	CHH	-0.0167
Gm07	6987524	6988520	Gmdrm	hypo	CHH	-0.0478
Gm07	6988527	6989527	Gmdrm	hypo	CHH	-0.0537
Gm07	6991540	6992105	Gmdrm	hypo	CHH	-0.0916
Gm07	6992472	6993367	Gmdrm	hypo	CHH	-0.1833
Gm07	7005830	7006830	Gmdrm	hypo	CHH	-0.1554
Gm07	7006833	7007805	Gmdrm	hypo	CHH	-0.106
Gm07	7013456	7014447	Gmdrm	hypo	CHH	-0.0207
Gm07	7021524	7022508	Gmdrm	hypo	CHH	-0.0436
Gm07	7023535	7024302	Gmdrm	hypo	CHH	-0.0424
Gm07	7025407	7026407	Gmdrm	hypo	CHH	-0.0528
Gm07	7026422	7027337	Gmdrm	hypo	CHH	-0.1374
Gm07	7030568	7031553	Gmdrm	hypo	CHH	-0.0526
Gm07	7037584	7038575	Gmdrm	hypo	CHH	-0.0646
Gm07	7038590	7039113	Gmdrm	hypo	CHH	-0.0887
Gm07	7043767	7044763	Gmdrm	hypo	CHH	-0.0793
Gm07	7047673	7048670	Gmdrm	hypo	CHH	-0.0153
Gm07	7055700	7056455	Gmdrm	hypo	CHH	-0.0224
Gm07	7057809	7058316	Gmdrm	hypo	CHH	-0.0177
Gm07	7059457	7060452	Gmdrm	hypo	CHH	-0.1091
Gm07	7062469	7063462	Gmdrm	hypo	CHH	-0.0488
Gm07	7063472	7064466	Gmdrm	hypo	CHH	-0.0217
Gm07	7069620	7070618	Gmdrm	hypo	CHH	-0.1454
Gm07	7071624	7072620	Gmdrm	hypo	CHH	-0.067
Gm07	7072630	7073597	Gmdrm	hypo	CHH	-0.0189
Gm07	7075022	7075477	Gmdrm	hypo	CHH	-0.0296
Gm07	7076665	7077069	Gmdrm	hypo	CHH	-0.0219
Gm07	7080745	7081742	Gmdrm	hypo	CHH	-0.0276
Gm07	7081913	7082212	Gmdrm	hypo	CHH	-0.0265
Gm07	7085920	7086919	Gmdrm	hypo	CHH	-0.102

Gm07	7089079	7089718 Gmdrm	hypo	CHH	-0.0222
Gm07	7098182	7099156 Gmdrm	hypo	CHH	-0.0182
Gm07	7099219	7100193 Gmdrm	hypo	CHH	-0.0143
Gm07	7100278	7100891 Gmdrm	hypo	CHH	-0.0148
Gm07	7106621	7107579 Gmdrm	hypo	CHH	-0.0701
Gm07	7111737	7112731 Gmdrm	hypo	CHH	-0.0253
Gm07	7112738	7113725 Gmdrm	hypo	CHH	-0.0259
Gm07	7114537	7115244 Gmdrm	hypo	CHH	-0.0254
Gm07	7126408	7127408 Gmdrm	hypo	CHH	-0.0221
Gm07	7127435	7128434 Gmdrm	hypo	CHH	-0.0196
Gm07	7128445	7129439 Gmdrm	hypo	CHH	-0.053
Gm07	7130459	7131457 Gmdrm	hypo	CHH	-0.017
Gm07	7131472	7132470 Gmdrm	hypo	CHH	-0.0088
Gm07	7142087	7143086 Gmdrm	hypo	CHH	-0.0152
Gm07	7156138	7157121 Gmdrm	hypo	CHH	-0.3261
Gm07	7163468	7164462 Gmdrm	hypo	CHH	-0.0556
Gm07	7164474	7164664 Gmdrm	hypo	CHH	-0.0378
Gm07	7168258	7169248 Gmdrm	hypo	CHH	-0.0295
Gm07	7175054	7176044 Gmdrm	hypo	CHH	-0.045
Gm07	7176056	7177052 Gmdrm	hypo	CHH	-0.0668
Gm07	7177062	7177977 Gmdrm	hypo	CHH	-0.0472
Gm07	7179374	7180334 Gmdrm	hypo	CHH	-0.0426
Gm07	7186807	7187726 Gmdrm	hypo	CHH	-0.008
Gm07	7195496	7196494 Gmdrm	hypo	CHH	-0.0155
Gm07	7207598	7208249 Gmdrm	hypo	CHH	-0.0487
Gm07	7221925	7222911 Gmdrm	hypo	CHH	-0.031
Gm07	7227978	7228946 Gmdrm	hypo	CHH	-0.0734
Gm07	7231508	7232502 Gmdrm	hypo	CHH	-0.0885
Gm07	7236429	7237418 Gmdrm	hypo	CHH	-0.0924
Gm07	7237431	7238431 Gmdrm	hypo	CHH	-0.0851
Gm07	7239438	7240410 Gmdrm	hypo	CHH	-0.0445
Gm07	7245404	7246396 Gmdrm	hypo	CHH	-0.0281
Gm07	7256872	7257869 Gmdrm	hypo	CHH	-0.0304
Gm07	7260915	7261913 Gmdrm	hypo	CHH	-0.0406
Gm07	7274671	7275548 Gmdrm	hypo	CHH	-0.0262
Gm07	7302273	7303269 Gmdrm	hypo	CHH	-0.0626
Gm07	7311584	7312581 Gmdrm	hypo	CHH	-0.0657
Gm07	7312588	7313578 Gmdrm	hypo	CHH	-0.0469
Gm07	7315637	7315978 Gmdrm	hypo	CHH	-0.0417
Gm07	7324231	7325136 Gmdrm	hypo	CHH	-0.2285
Gm07	7330841	7331093 Gmdrm	hypo	CHH	-0.0391
Gm07	7333697	7334257 Gmdrm	hypo	CHH	-0.0415
Gm07	7340166	7341165 Gmdrm	hypo	CHH	-0.0196
Gm07	7342916	7343858 Gmdrm	hypo	CHH	-0.0493
Gm07	7350153	7351151 Gmdrm	hypo	CHH	-0.0214
Gm07	7355056	7356053 Gmdrm	hypo	CHH	-0.0314

Gm07	7359440	7360221 Gmdrm	hypo	CHH	-0.0731
Gm07	7360714	7361713 Gmdrm	hypo	CHH	-0.1201
Gm07	7367389	7368387 Gmdrm	hypo	CHH	-0.0735
Gm07	7370433	7371432 Gmdrm	hypo	CHH	-0.0808
Gm07	7371436	7371882 Gmdrm	hypo	CHH	-0.1082
Gm07	7377202	7378201 Gmdrm	hypo	CHH	-0.0345
Gm07	7379215	7379906 Gmdrm	hypo	CHH	-0.0314
Gm07	7392342	7393324 Gmdrm	hypo	CHH	-0.0726
Gm07	7393347	7394340 Gmdrm	hypo	CHH	-0.1283
Gm07	7394357	7394584 Gmdrm	hypo	CHH	-0.1297
Gm07	7406516	7407512 Gmdrm	hypo	CHH	-0.0173
Gm07	7407517	7408512 Gmdrm	hypo	CHH	-0.1576
Gm07	7411498	7412497 Gmdrm	hypo	CHH	-0.0247
Gm07	7412504	7413500 Gmdrm	hypo	CHH	-0.0227
Gm07	7415894	7416833 Gmdrm	hypo	CHH	-0.0133
Gm07	7422354	7423338 Gmdrm	hypo	CHH	-0.0934
Gm07	7423361	7423676 Gmdrm	hypo	CHH	-0.0349
Gm07	7423987	7424982 Gmdrm	hypo	CHH	-0.0263
Gm07	7424999	7425990 Gmdrm	hypo	CHH	-0.085
Gm07	7432282	7433225 Gmdrm	hypo	CHH	-0.0733
Gm07	7433288	7433574 Gmdrm	hypo	CHH	-0.0293
Gm07	7456123	7457117 Gmdrm	hypo	CHH	-0.3626
Gm07	7457125	7458107 Gmdrm	hypo	CHH	-0.0307
Gm07	7466518	7467514 Gmdrm	hypo	CHH	-0.0192
Gm07	7467535	7468533 Gmdrm	hypo	CHH	-0.1801
Gm07	7468544	7469432 Gmdrm	hypo	CHH	-0.0999
Gm07	7473456	7473911 Gmdrm	hypo	CHH	-0.3071
Gm07	7474029	7475027 Gmdrm	hypo	CHH	-0.0238
Gm07	7478843	7479833 Gmdrm	hypo	CHH	-0.1421
Gm07	7492927	7493915 Gmdrm	hypo	CHH	-0.066
Gm07	7495818	7496817 Gmdrm	hypo	CHH	-0.0902
Gm07	7500883	7501741 Gmdrm	hypo	CHH	-0.0177
Gm07	7503013	7504012 Gmdrm	hypo	CHH	-0.0902
Gm07	7504014	7504794 Gmdrm	hypo	CHH	-0.0242
Gm07	7509403	7510402 Gmdrm	hypo	CHH	-0.0757
Gm07	7510405	7511400 Gmdrm	hypo	CHH	-0.1146
Gm07	7515421	7516188 Gmdrm	hypo	CHH	-0.1665
Gm07	7520667	7521657 Gmdrm	hypo	CHH	-0.0562
Gm07	7521687	7522289 Gmdrm	hypo	CHH	-0.0424
Gm07	7523555	7524552 Gmdrm	hypo	CHH	-0.0246
Gm07	7536736	7537710 Gmdrm	hypo	CHH	-0.0293
Gm07	7537747	7538704 Gmdrm	hypo	CHH	-0.0767
Gm07	7552462	7553457 Gmdrm	hypo	CHH	-0.0825
Gm07	7553499	7554496 Gmdrm	hypo	CHH	-0.0163
Gm07	7557569	7558564 Gmdrm	hypo	CHH	-0.0132
Gm07	7558581	7559581 Gmdrm	hypo	CHH	-0.1693

Gm07	7562619	7563606 Gmdrm	hypo	CHH	-0.0171
Gm07	7563646	7564633 Gmdrm	hypo	CHH	-0.0859
Gm07	7570418	7571418 Gmdrm	hypo	CHH	-0.0313
Gm07	7575386	7576342 Gmdrm	hypo	CHH	-0.0389
Gm07	7577659	7578644 Gmdrm	hypo	CHH	-0.0411
Gm07	7579943	7580942 Gmdrm	hypo	CHH	-0.072
Gm07	7588537	7589533 Gmdrm	hypo	CHH	-0.0611
Gm07	7589539	7590514 Gmdrm	hypo	CHH	-0.0515
Gm07	7591574	7592572 Gmdrm	hypo	CHH	-0.0468
Gm07	7593587	7594584 Gmdrm	hypo	CHH	-0.0601
Gm07	7595598	7596563 Gmdrm	hypo	CHH	-0.2936
Gm07	7605616	7606601 Gmdrm	hypo	CHH	-0.2377
Gm07	7610762	7611746 Gmdrm	hypo	CHH	-0.01
Gm07	7620127	7621120 Gmdrm	hypo	CHH	-0.0921
Gm07	7636467	7637460 Gmdrm	hypo	CHH	-0.0389
Gm07	7639497	7640496 Gmdrm	hypo	CHH	-0.0859
Gm07	7640498	7641200 Gmdrm	hypo	CHH	-0.0283
Gm07	7642070	7643059 Gmdrm	hypo	CHH	-0.0189
Gm07	7653859	7654857 Gmdrm	hypo	CHH	-0.0296
Gm07	7655568	7656567 Gmdrm	hypo	CHH	-0.0145
Gm07	7658653	7659288 Gmdrm	hypo	CHH	-0.0264
Gm07	7669770	7669933 Gmdrm	hypo	CHH	-0.0858
Gm07	7679059	7679814 Gmdrm	hypo	CHH	-0.0741
Gm07	7680264	7681257 Gmdrm	hypo	CHH	-0.1531
Gm07	7681268	7682235 Gmdrm	hypo	CHH	-0.1534
Gm07	7689326	7690306 Gmdrm	hypo	CHH	-0.0235
Gm07	7690354	7691329 Gmdrm	hypo	CHH	-0.0364
Gm07	7693404	7694391 Gmdrm	hypo	CHH	-0.3949
Gm07	7695465	7696454 Gmdrm	hypo	CHH	-0.0206
Gm07	7696959	7697956 Gmdrm	hypo	CHH	-0.1276
Gm07	7697961	7698160 Gmdrm	hypo	CHH	-0.1438
Gm07	7698359	7699358 Gmdrm	hypo	CHH	-0.0331
Gm07	7706246	7707238 Gmdrm	hypo	CHH	-0.0135
Gm07	7719892	7720785 Gmdrm	hypo	CHH	-0.0601
Gm07	7720913	7721898 Gmdrm	hypo	CHH	-0.0823
Gm07	7729362	7730339 Gmdrm	hypo	CHH	-0.1102
Gm07	7734834	7734952 Gmdrm	hypo	CHH	-0.0671
Gm07	7739357	7740356 Gmdrm	hypo	CHH	-0.036
Gm07	7749997	7750993 Gmdrm	hypo	CHH	-0.0134
Gm07	7756271	7757267 Gmdrm	hypo	CHH	-0.0214
Gm07	7757294	7758276 Gmdrm	hypo	CHH	-0.0188
Gm07	7758321	7759290 Gmdrm	hypo	CHH	-0.016
Gm07	7761364	7762364 Gmdrm	hypo	CHH	-0.1678
Gm07	7768960	7769960 Gmdrm	hypo	CHH	-0.0207
Gm07	7777072	7777945 Gmdrm	hypo	CHH	-0.0195
Gm07	7779110	7779520 Gmdrm	hypo	CHH	-0.063

Gm07	7793164	7794148 Gmdrm	hypo	CHH	-0.0529
Gm07	7794185	7794837 Gmdrm	hypo	CHH	-0.0252
Gm07	7799925	7800920 Gmdrm	hypo	CHH	-0.0879
Gm07	7820003	7820448 Gmdrm	hypo	CHH	-0.0807
Gm07	7834608	7835578 Gmdrm	hypo	CHH	-0.0267
Gm07	7835640	7836620 Gmdrm	hypo	CHH	-0.0493
Gm07	7837657	7838653 Gmdrm	hypo	CHH	-0.1802
Gm07	7838658	7839655 Gmdrm	hypo	CHH	-0.2931
Gm07	7842696	7843696 Gmdrm	hypo	CHH	-0.0429
Gm07	7844450	7845434 Gmdrm	hypo	CHH	-0.0602
Gm07	7847520	7848272 Gmdrm	hypo	CHH	-0.0536
Gm07	7848394	7849393 Gmdrm	hypo	CHH	-0.1225
Gm07	7856587	7857581 Gmdrm	hypo	CHH	-0.0566
Gm07	7857595	7858590 Gmdrm	hypo	CHH	-0.1345
Gm07	7858597	7859595 Gmdrm	hypo	CHH	-0.0359
Gm07	7863031	7864011 Gmdrm	hypo	CHH	-0.0506
Gm07	7864042	7865034 Gmdrm	hypo	CHH	-0.0559
Gm07	7875539	7876491 Gmdrm	hypo	CHH	-0.2076
Gm07	7879522	7880518 Gmdrm	hypo	CHH	-0.0206
Gm07	7888634	7888956 Gmdrm	hypo	CHH	-0.0567
Gm07	7890008	7891005 Gmdrm	hypo	CHH	-0.0122
Gm07	7895162	7896160 Gmdrm	hypo	CHH	-0.2645
Gm07	7901292	7902291 Gmdrm	hypo	CHH	-0.0629
Gm07	7905307	7906305 Gmdrm	hypo	CHH	-0.104
Gm07	7906315	7906603 Gmdrm	hypo	CHH	-0.1533
Gm07	7906705	7906946 Gmdrm	hypo	CHH	-0.3625
Gm07	7911230	7911838 Gmdrm	hypo	CHH	-0.0654
Gm07	7912020	7913009 Gmdrm	hypo	CHH	-0.3347
Gm07	7916041	7917021 Gmdrm	hypo	CHH	-0.3109
Gm07	7917056	7917574 Gmdrm	hypo	CHH	-0.0294
Gm07	7922797	7923797 Gmdrm	hypo	CHH	-0.018
Gm07	7924804	7925804 Gmdrm	hypo	CHH	-0.0621
Gm07	7932319	7933316 Gmdrm	hypo	CHH	-0.0891
Gm07	7933327	7934326 Gmdrm	hypo	CHH	-0.0584
Gm07	7936913	7937910 Gmdrm	hypo	CHH	-0.0597
Gm07	7938970	7939965 Gmdrm	hypo	CHH	-0.0589
Gm07	7940004	7940964 Gmdrm	hypo	CHH	-0.0961
Gm07	7944051	7945047 Gmdrm	hypo	CHH	-0.0424
Gm07	7946075	7947059 Gmdrm	hypo	CHH	-0.0996
Gm07	7949138	7950098 Gmdrm	hypo	CHH	-0.0286
Gm07	7955360	7955880 Gmdrm	hypo	CHH	-0.0173
Gm07	7959889	7960788 Gmdrm	hypo	CHH	-0.0382
Gm07	7963273	7964272 Gmdrm	hypo	CHH	-0.0669
Gm07	7964282	7965282 Gmdrm	hypo	CHH	-0.0733
Gm07	7965285	7966034 Gmdrm	hypo	CHH	-0.0852
Gm07	7974129	7975101 Gmdrm	hypo	CHH	-0.0243

Gm07	7975133	7976121 Gmdrm	hypo	CHH	-0.0229
Gm07	7978149	7979146 Gmdrm	hypo	CHH	-0.0459
Gm07	7979598	7980597 Gmdrm	hypo	CHH	-0.0398
Gm07	7980644	7981635 Gmdrm	hypo	CHH	-0.0805
Gm07	7986621	7987617 Gmdrm	hypo	CHH	-0.0757
Gm07	7990394	7991372 Gmdrm	hypo	CHH	-0.0908
Gm07	8000532	8001527 Gmdrm	hypo	CHH	-0.1523
Gm07	8001573	8002571 Gmdrm	hypo	CHH	-0.0383
Gm07	8003932	8004925 Gmdrm	hypo	CHH	-0.0509
Gm07	8007167	8008140 Gmdrm	hypo	CHH	-0.0152
Gm07	8008172	8009171 Gmdrm	hypo	CHH	-0.0413
Gm07	8020640	8021635 Gmdrm	hypo	CHH	-0.0102
Gm07	8021642	8022639 Gmdrm	hypo	CHH	-0.0272
Gm07	8028136	8029132 Gmdrm	hypo	CHH	-0.0392
Gm07	8030179	8031179 Gmdrm	hypo	CHH	-0.0113
Gm07	8042647	8043632 Gmdrm	hypo	CHH	-0.0237
Gm07	8050761	8051126 Gmdrm	hypo	CHH	-0.0412
Gm07	8055680	8056185 Gmdrm	hypo	CHH	-0.0397
Gm07	8058040	8059034 Gmdrm	hypo	CHH	-0.0661
Gm07	8060466	8061341 Gmdrm	hypo	CHH	-0.015
Gm07	8069666	8070648 Gmdrm	hypo	CHH	-0.1066
Gm07	8077616	8078609 Gmdrm	hypo	CHH	-0.0122
Gm07	8090707	8091707 Gmdrm	hypo	CHH	-0.3678
Gm07	8091708	8092673 Gmdrm	hypo	CHH	-0.0342
Gm07	8094061	8095041 Gmdrm	hypo	CHH	-0.0245
Gm07	8104831	8105086 Gmdrm	hypo	CHH	-0.0525
Gm07	8112947	8113942 Gmdrm	hypo	CHH	-0.174
Gm07	8122753	8123287 Gmdrm	hypo	CHH	-0.0279
Gm07	8127489	8128437 Gmdrm	hypo	CHH	-0.0237
Gm07	8130483	8131474 Gmdrm	hypo	CHH	-0.0348
Gm07	8135953	8136946 Gmdrm	hypo	CHH	-0.0631
Gm07	8136975	8137208 Gmdrm	hypo	CHH	-0.1859
Gm07	8137331	8138330 Gmdrm	hypo	CHH	-0.0494
Gm07	8138334	8139186 Gmdrm	hypo	CHH	-0.1541
Gm07	8141735	8142711 Gmdrm	hypo	CHH	-0.0282
Gm07	8143742	8144692 Gmdrm	hypo	CHH	-0.0352
Gm07	8146784	8147783 Gmdrm	hypo	CHH	-0.099
Gm07	8147794	8148786 Gmdrm	hypo	CHH	-0.0119
Gm07	8149541	8150031 Gmdrm	hypo	CHH	-0.0614
Gm07	8160727	8161726 Gmdrm	hypo	CHH	-0.0779
Gm07	8164898	8165884 Gmdrm	hypo	CHH	-0.2451
Gm07	8181997	8182980 Gmdrm	hypo	CHH	-0.0151
Gm07	8186541	8187405 Gmdrm	hypo	CHH	-0.0124
Gm07	8188203	8189203 Gmdrm	hypo	CHH	-0.0211
Gm07	8189206	8190175 Gmdrm	hypo	CHH	-0.0457
Gm07	8192699	8193694 Gmdrm	hypo	CHH	-0.0241

Gm07	8206415	8207406	Gmdrm	hypo	CHH	-0.0475
Gm07	8215397	8216397	Gmdrm	hypo	CHH	-0.1134
Gm07	8216402	8217401	Gmdrm	hypo	CHH	-0.0501
Gm07	8217404	8217816	Gmdrm	hypo	CHH	-0.0974
Gm07	8222440	8223429	Gmdrm	hypo	CHH	-0.0214
Gm07	8223451	8224451	Gmdrm	hypo	CHH	-0.136
Gm07	8239282	8240240	Gmdrm	hypo	CHH	-0.1314
Gm07	8244451	8245435	Gmdrm	hypo	CHH	-0.0988
Gm07	8245484	8246474	Gmdrm	hypo	CHH	-0.0316
Gm07	8246887	8247880	Gmdrm	hypo	CHH	-0.2239
Gm07	8254896	8255437	Gmdrm	hypo	CHH	-0.061
Gm07	8261322	8262322	Gmdrm	hypo	CHH	-0.0412
Gm07	8262325	8263324	Gmdrm	hypo	CHH	-0.0812
Gm07	8275826	8276429	Gmdrm	hypo	CHH	-0.2193
Gm07	8304046	8305046	Gmdrm	hypo	CHH	-0.0161
Gm07	8305052	8306051	Gmdrm	hypo	CHH	-0.0431
Gm07	8307478	8308477	Gmdrm	hypo	CHH	-0.059
Gm07	8310502	8311122	Gmdrm	hypo	CHH	-0.0471
Gm07	8315013	8316011	Gmdrm	hypo	CHH	-0.0134
Gm07	8326927	8327117	Gmdrm	hypo	CHH	-0.062
Gm07	8327387	8328386	Gmdrm	hypo	CHH	-0.0888
Gm07	8328392	8329387	Gmdrm	hypo	CHH	-0.3069
Gm07	8332493	8333488	Gmdrm	hypo	CHH	-0.1284
Gm07	8337384	8338325	Gmdrm	hypo	CHH	-0.0398
Gm07	8343458	8344457	Gmdrm	hypo	CHH	-0.0649
Gm07	8344459	8345455	Gmdrm	hypo	CHH	-0.0685
Gm07	8356267	8357265	Gmdrm	hypo	CHH	-0.0366
Gm07	8357286	8358039	Gmdrm	hypo	CHH	-0.0683
Gm07	8365055	8366047	Gmdrm	hypo	CHH	-0.0269
Gm07	8381803	8382798	Gmdrm	hypo	CHH	-0.043
Gm07	8389344	8389985	Gmdrm	hypo	CHH	-0.0172
Gm07	8398567	8399398	Gmdrm	hypo	CHH	-0.011
Gm07	8425159	8426136	Gmdrm	hypo	CHH	-0.0503
Gm07	8428088	8429058	Gmdrm	hypo	CHH	-0.0396
Gm07	8433047	8433163	Gmdrm	hypo	CHH	-0.0357
Gm07	8435300	8436295	Gmdrm	hypo	CHH	-0.016
Gm07	8436805	8437790	Gmdrm	hypo	CHH	-0.03
Gm07	8438673	8439567	Gmdrm	hypo	CHH	-0.0347
Gm07	8451520	8452491	Gmdrm	hypo	CHH	-0.0199
Gm07	8453535	8454521	Gmdrm	hypo	CHH	-0.1057
Gm07	8454537	8455525	Gmdrm	hypo	CHH	-0.0494
Gm07	8455569	8456569	Gmdrm	hypo	CHH	-0.0197
Gm07	8479536	8480058	Gmdrm	hypo	CHH	-0.0248
Gm07	8482619	8483590	Gmdrm	hypo	CHH	-0.0121
Gm07	8483636	8484597	Gmdrm	hypo	CHH	-0.2494
Gm07	8486765	8487764	Gmdrm	hypo	CHH	-0.0701

Gm07	8487779	8488769	Gmdrm	hypo	CHH	-0.1223
Gm07	8488788	8489779	Gmdrm	hypo	CHH	-0.1606
Gm07	8495989	8496982	Gmdrm	hypo	CHH	-0.0234
Gm07	8496996	8497996	Gmdrm	hypo	CHH	-0.0965
Gm07	8507374	8508372	Gmdrm	hypo	CHH	-0.0286
Gm07	8508394	8509339	Gmdrm	hypo	CHH	-0.1445
Gm07	8511417	8511936	Gmdrm	hypo	CHH	-0.0142
Gm07	8514831	8515816	Gmdrm	hypo	CHH	-0.0594
Gm07	8518881	8519873	Gmdrm	hypo	CHH	-0.0561
Gm07	8527407	8528407	Gmdrm	hypo	CHH	-0.0431
Gm07	8528440	8529437	Gmdrm	hypo	CHH	-0.1357
Gm07	8529442	8530330	Gmdrm	hypo	CHH	-0.0764
Gm07	8548511	8549074	Gmdrm	hypo	CHH	-0.03
Gm07	8549186	8550186	Gmdrm	hypo	CHH	-0.0522
Gm07	8550191	8551191	Gmdrm	hypo	CHH	-0.0332
Gm07	8554073	8555073	Gmdrm	hypo	CHH	-0.0526
Gm07	8555085	8556047	Gmdrm	hypo	CHH	-0.0836
Gm07	8556093	8557088	Gmdrm	hypo	CHH	-0.0442
Gm07	8563169	8564149	Gmdrm	hypo	CHH	-0.1143
Gm07	8564248	8565240	Gmdrm	hypo	CHH	-0.0824
Gm07	8567170	8568168	Gmdrm	hypo	CHH	-0.0188
Gm07	8569175	8569801	Gmdrm	hypo	CHH	-0.1866
Gm07	8575429	8576425	Gmdrm	hypo	CHH	-0.021
Gm07	8576488	8577464	Gmdrm	hypo	CHH	-0.184
Gm07	8581886	8582806	Gmdrm	hypo	CHH	-0.0426
Gm07	8584322	8585265	Gmdrm	hypo	CHH	-0.0181
Gm07	8590726	8591724	Gmdrm	hypo	CHH	-0.0394
Gm07	8591727	8592709	Gmdrm	hypo	CHH	-0.1915
Gm07	8606801	8607468	Gmdrm	hypo	CHH	-0.0591
Gm07	8633798	8634796	Gmdrm	hypo	CHH	-0.0345
Gm07	8639075	8640026	Gmdrm	hypo	CHH	-0.0738
Gm07	8646148	8646786	Gmdrm	hypo	CHH	-0.0529
Gm07	8669256	8670246	Gmdrm	hypo	CHH	-0.0439
Gm07	8672275	8673194	Gmdrm	hypo	CHH	-0.0267
Gm07	8677059	8678050	Gmdrm	hypo	CHH	-0.0696
Gm07	8690740	8691140	Gmdrm	hypo	CHH	-0.0666
Gm07	8692278	8693277	Gmdrm	hypo	CHH	-0.0771
Gm07	8698855	8699855	Gmdrm	hypo	CHH	-0.0782
Gm07	8704933	8705933	Gmdrm	hypo	CHH	-0.0458
Gm07	8706960	8707956	Gmdrm	hypo	CHH	-0.0366
Gm07	8709913	8710831	Gmdrm	hypo	CHH	-0.0294
Gm07	8711613	8712535	Gmdrm	hypo	CHH	-0.1866
Gm07	8712874	8713854	Gmdrm	hypo	CHH	-0.0161
Gm07	8755757	8756403	Gmdrm	hypo	CHH	-0.0715
Gm07	8756891	8757887	Gmdrm	hypo	CHH	-0.0153
Gm07	8757892	8758875	Gmdrm	hypo	CHH	-0.0801

Gm07	8788835	8789824	Gmdrm	hypo	CHH	-0.0171
Gm07	8789919	8790918	Gmdrm	hypo	CHH	-0.169
Gm07	8790920	8791297	Gmdrm	hypo	CHH	-0.3231
Gm07	8791494	8792473	Gmdrm	hypo	CHH	-0.0181
Gm07	8794555	8795534	Gmdrm	hypo	CHH	-0.0578
Gm07	8815014	8816011	Gmdrm	hypo	CHH	-0.0527
Gm07	8816626	8816964	Gmdrm	hypo	CHH	-0.18
Gm07	8817260	8818230	Gmdrm	hypo	CHH	-0.0686
Gm07	8822615	8822872	Gmdrm	hypo	CHH	-0.2474
Gm07	8825339	8826339	Gmdrm	hypo	CHH	-0.1782
Gm07	8829881	8830123	Gmdrm	hypo	CHH	-0.0392
Gm07	8830550	8830742	Gmdrm	hypo	CHH	-0.09
Gm07	8846764	8847764	Gmdrm	hypo	CHH	-0.0489
Gm07	8850784	8851780	Gmdrm	hypo	CHH	-0.0214
Gm07	8851820	8852809	Gmdrm	hypo	CHH	-0.0319
Gm07	8852840	8853799	Gmdrm	hypo	CHH	-0.0465
Gm07	8863842	8864842	Gmdrm	hypo	CHH	-0.0598
Gm07	8868939	8869937	Gmdrm	hypo	CHH	-0.0685
Gm07	8869946	8870946	Gmdrm	hypo	CHH	-0.0575
Gm07	8874287	8875285	Gmdrm	hypo	CHH	-0.0785
Gm07	8875423	8876420	Gmdrm	hypo	CHH	-0.0209
Gm07	8876427	8877417	Gmdrm	hypo	CHH	-0.0822
Gm07	8877433	8878423	Gmdrm	hypo	CHH	-0.084
Gm07	8886656	8887644	Gmdrm	hypo	CHH	-0.0956
Gm07	8887676	8888662	Gmdrm	hypo	CHH	-0.0862
Gm07	8910035	8911032	Gmdrm	hypo	CHH	-0.0931
Gm07	8911039	8912008	Gmdrm	hypo	CHH	-0.0346
Gm07	8913057	8914039	Gmdrm	hypo	CHH	-0.0385
Gm07	8921956	8921991	Gmdrm	hypo	CHH	-0.034
Gm07	8922098	8923054	Gmdrm	hypo	CHH	-0.0148
Gm07	8924136	8925109	Gmdrm	hypo	CHH	-0.1213
Gm07	8941142	8941940	Gmdrm	hypo	CHH	-0.0673
Gm07	8944428	8944985	Gmdrm	hypo	CHH	-0.0917
Gm07	8946598	8947595	Gmdrm	hypo	CHH	-0.0313
Gm07	8957955	8958955	Gmdrm	hypo	CHH	-0.137
Gm07	8959616	8960616	Gmdrm	hypo	CHH	-0.1002
Gm07	8977638	8978157	Gmdrm	hypo	CHH	-0.1926
Gm07	8981318	8982302	Gmdrm	hypo	CHH	-0.0214
Gm07	9007705	9008429	Gmdrm	hypo	CHH	-0.0128
Gm07	9015932	9016924	Gmdrm	hypo	CHH	-0.0195
Gm07	9022920	9023880	Gmdrm	hypo	CHH	-0.0485
Gm07	9031685	9032684	Gmdrm	hypo	CHH	-0.0555
Gm07	9036171	9037164	Gmdrm	hypo	CHH	-0.0275
Gm07	9040255	9040357	Gmdrm	hypo	CHH	-0.08
Gm07	9048090	9049086	Gmdrm	hypo	CHH	-0.009
Gm07	9055871	9056865	Gmdrm	hypo	CHH	-0.0182

Gm07	9058188	9059168 Gmdrm	hypo	CHH	-0.0289
Gm07	9059237	9060234 Gmdrm	hypo	CHH	-0.0135
Gm07	9062268	9063264 Gmdrm	hypo	CHH	-0.0332
Gm07	9066874	9067870 Gmdrm	hypo	CHH	-0.0184
Gm07	9078661	9079658 Gmdrm	hypo	CHH	-0.0358
Gm07	9082730	9083730 Gmdrm	hypo	CHH	-0.3958
Gm07	9083739	9084666 Gmdrm	hypo	CHH	-0.3496
Gm07	9127819	9128816 Gmdrm	hypo	CHH	-0.035
Gm07	9146860	9147859 Gmdrm	hypo	CHH	-0.0121
Gm07	9154006	9154998 Gmdrm	hypo	CHH	-0.0213
Gm07	9156316	9157307 Gmdrm	hypo	CHH	-0.0435
Gm07	9182674	9183670 Gmdrm	hypo	CHH	-0.097
Gm07	9183677	9184677 Gmdrm	hypo	CHH	-0.0796
Gm07	9192364	9193350 Gmdrm	hypo	CHH	-0.1249
Gm07	9195475	9196449 Gmdrm	hypo	CHH	-0.0174
Gm07	9226771	9227370 Gmdrm	hypo	CHH	-0.0914
Gm07	9237836	9238836 Gmdrm	hypo	CHH	-0.0284
Gm07	9242623	9243616 Gmdrm	hypo	CHH	-0.0152
Gm07	9247728	9248698 Gmdrm	hypo	CHH	-0.0899
Gm07	9249769	9250767 Gmdrm	hypo	CHH	-0.0546
Gm07	9258771	9259680 Gmdrm	hypo	CHH	-0.0244
Gm07	9259852	9260033 Gmdrm	hypo	CHH	-0.1089
Gm07	9262916	9263911 Gmdrm	hypo	CHH	-0.0549
Gm07	9273452	9274449 Gmdrm	hypo	CHH	-0.015
Gm07	9274471	9275464 Gmdrm	hypo	CHH	-0.0581
Gm07	9296522	9297521 Gmdrm	hypo	CHH	-0.0153
Gm07	9307863	9308578 Gmdrm	hypo	CHH	-0.0896
Gm07	9323886	9324877 Gmdrm	hypo	CHH	-0.0418
Gm07	9324890	9325838 Gmdrm	hypo	CHH	-0.0306
Gm07	9326925	9327914 Gmdrm	hypo	CHH	-0.0391
Gm07	9330502	9331240 Gmdrm	hypo	CHH	-0.0257
Gm07	9343208	9343554 Gmdrm	hypo	CHH	-0.3145
Gm07	9343662	9344657 Gmdrm	hypo	CHH	-0.0116
Gm07	9368658	9368961 Gmdrm	hypo	CHH	-0.059
Gm07	9369079	9369370 Gmdrm	hypo	CHH	-0.0374
Gm07	9369491	9370491 Gmdrm	hypo	CHH	-0.0174
Gm07	9382778	9383773 Gmdrm	hypo	CHH	-0.0189
Gm07	9419728	9420724 Gmdrm	hypo	CHH	-0.158
Gm07	9420731	9421727 Gmdrm	hypo	CHH	-0.088
Gm07	9426186	9427165 Gmdrm	hypo	CHH	-0.0401
Gm07	9430584	9431563 Gmdrm	hypo	CHH	-0.0182
Gm07	9435871	9436870 Gmdrm	hypo	CHH	-0.046
Gm07	9442881	9443879 Gmdrm	hypo	CHH	-0.0709
Gm07	9443883	9444858 Gmdrm	hypo	CHH	-0.038
Gm07	9444885	9445660 Gmdrm	hypo	CHH	-0.0156
Gm07	9446984	9447961 Gmdrm	hypo	CHH	-0.0129

Gm07	9447994	9448567 Gmdrm	hypo	CHH	-0.0234
Gm07	9449179	9450167 Gmdrm	hypo	CHH	-0.0233
Gm07	9450204	9451197 Gmdrm	hypo	CHH	-0.1284
Gm07	9454991	9455516 Gmdrm	hypo	CHH	-0.0258
Gm07	9456637	9457632 Gmdrm	hypo	CHH	-0.0238
Gm07	9464725	9465724 Gmdrm	hypo	CHH	-0.0365
Gm07	9474091	9475067 Gmdrm	hypo	CHH	-0.0167
Gm07	9483105	9484084 Gmdrm	hypo	CHH	-0.0252
Gm07	9513515	9514505 Gmdrm	hypo	CHH	-0.0754
Gm07	9529377	9530366 Gmdrm	hypo	CHH	-0.053
Gm07	9530378	9530974 Gmdrm	hypo	CHH	-0.0684
Gm07	9543285	9544285 Gmdrm	hypo	CHH	-0.015
Gm07	9544289	9545287 Gmdrm	hypo	CHH	-0.0222
Gm07	9545290	9545368 Gmdrm	hypo	CHH	-0.3145
Gm07	9545595	9545618 Gmdrm	hypo	CHH	-0.0917
Gm07	9552270	9553267 Gmdrm	hypo	CHH	-0.0311
Gm07	9557132	9558132 Gmdrm	hypo	CHH	-0.0215
Gm07	9573214	9574205 Gmdrm	hypo	CHH	-0.0169
Gm07	9580583	9580758 Gmdrm	hypo	CHH	-0.066
Gm07	9582968	9583964 Gmdrm	hypo	CHH	-0.0485
Gm07	9593683	9594679 Gmdrm	hypo	CHH	-0.0235
Gm07	9594686	9595670 Gmdrm	hypo	CHH	-0.1032
Gm07	9608172	9608848 Gmdrm	hypo	CHH	-0.0188
Gm07	9609975	9610970 Gmdrm	hypo	CHH	-0.0281
Gm07	9612872	9613268 Gmdrm	hypo	CHH	-0.0942
Gm07	9615695	9616690 Gmdrm	hypo	CHH	-0.1068
Gm07	9616704	9617699 Gmdrm	hypo	CHH	-0.0886
Gm07	9619711	9620695 Gmdrm	hypo	CHH	-0.0191
Gm07	9620763	9621751 Gmdrm	hypo	CHH	-0.0342
Gm07	9623527	9624042 Gmdrm	hypo	CHH	-0.0993
Gm07	9625149	9626139 Gmdrm	hypo	CHH	-0.144
Gm07	9631620	9632614 Gmdrm	hypo	CHH	-0.1105
Gm07	9632632	9633593 Gmdrm	hypo	CHH	-0.121
Gm07	9648729	9649723 Gmdrm	hypo	CHH	-0.0376
Gm07	9649735	9650730 Gmdrm	hypo	CHH	-0.0251
Gm07	9651861	9652861 Gmdrm	hypo	CHH	-0.0643
Gm07	9653870	9654853 Gmdrm	hypo	CHH	-0.0728
Gm07	9659193	9659384 Gmdrm	hypo	CHH	-0.096
Gm07	9660494	9661488 Gmdrm	hypo	CHH	-0.0206
Gm07	9668996	9669929 Gmdrm	hypo	CHH	-0.0171
Gm07	9670006	9671006 Gmdrm	hypo	CHH	-0.0294
Gm07	9671036	9672036 Gmdrm	hypo	CHH	-0.0551
Gm07	9681988	9682975 Gmdrm	hypo	CHH	-0.0118
Gm07	9694417	9695417 Gmdrm	hypo	CHH	-0.2261
Gm07	9695423	9696406 Gmdrm	hypo	CHH	-0.1117
Gm07	9715207	9716193 Gmdrm	hypo	CHH	-0.0153

Gm07	9717220	9718212 Gmdrm	hypo	CHH	-0.0513
Gm07	9718232	9719167 Gmdrm	hypo	CHH	-0.0656
Gm07	9719249	9720242 Gmdrm	hypo	CHH	-0.0151
Gm07	9720253	9721225 Gmdrm	hypo	CHH	-0.2528
Gm07	9722562	9723562 Gmdrm	hypo	CHH	-0.0241
Gm07	9723563	9724562 Gmdrm	hypo	CHH	-0.0708
Gm07	9779728	9780315 Gmdrm	hypo	CHH	-0.0352
Gm07	9782899	9783863 Gmdrm	hypo	CHH	-0.0511
Gm07	9783904	9784890 Gmdrm	hypo	CHH	-0.07
Gm07	9785226	9786213 Gmdrm	hypo	CHH	-0.1249
Gm07	9789625	9790609 Gmdrm	hypo	CHH	-0.0136
Gm07	9800120	9801104 Gmdrm	hypo	CHH	-0.3486
Gm07	9801124	9802117 Gmdrm	hypo	CHH	-0.0779
Gm07	9813879	9814879 Gmdrm	hypo	CHH	-0.0462
Gm07	9816910	9817898 Gmdrm	hypo	CHH	-0.0662
Gm07	9820594	9821511 Gmdrm	hypo	CHH	-0.0348
Gm07	9825352	9826349 Gmdrm	hypo	CHH	-0.0791
Gm07	9830422	9831413 Gmdrm	hypo	CHH	-0.0443
Gm07	9834997	9835984 Gmdrm	hypo	CHH	-0.0409
Gm07	9836010	9836728 Gmdrm	hypo	CHH	-0.0309
Gm07	9839179	9840179 Gmdrm	hypo	CHH	-0.0421
Gm07	9840181	9840336 Gmdrm	hypo	CHH	-0.057
Gm07	9845293	9846287 Gmdrm	hypo	CHH	-0.0429
Gm07	9846295	9847291 Gmdrm	hypo	CHH	-0.0546
Gm07	9848654	9849651 Gmdrm	hypo	CHH	-0.1295
Gm07	9849655	9850654 Gmdrm	hypo	CHH	-0.0517
Gm07	9865179	9866125 Gmdrm	hypo	CHH	-0.0183
Gm07	9866519	9867516 Gmdrm	hypo	CHH	-0.0335
Gm07	9874034	9874626 Gmdrm	hypo	CHH	-0.0295
Gm07	9875459	9876456 Gmdrm	hypo	CHH	-0.2629
Gm07	9882247	9883230 Gmdrm	hypo	CHH	-0.0217
Gm07	9884747	9885554 Gmdrm	hypo	CHH	-0.1611
Gm07	9909264	9910264 Gmdrm	hypo	CHH	-0.0576
Gm07	9922403	9923402 Gmdrm	hypo	CHH	-0.1065
Gm07	9925890	9926889 Gmdrm	hypo	CHH	-0.094
Gm07	9930770	9931768 Gmdrm	hypo	CHH	-0.0482
Gm07	9934825	9935801 Gmdrm	hypo	CHH	-0.0161
Gm07	9946598	9947595 Gmdrm	hypo	CHH	-0.0358
Gm07	9947603	9948594 Gmdrm	hypo	CHH	-0.019
Gm07	9965863	9966231 Gmdrm	hypo	CHH	-0.0554
Gm07	9967696	9967902 Gmdrm	hypo	CHH	-0.1239
Gm07	10001284	10001761 Gmdrm	hypo	CHH	-0.1536
Gm07	10004022	10004983 Gmdrm	hypo	CHH	-0.0142
Gm07	10009184	10010184 Gmdrm	hypo	CHH	-0.0193
Gm07	10012330	10013328 Gmdrm	hypo	CHH	-0.0192
Gm07	10013332	10014331 Gmdrm	hypo	CHH	-0.0877

Gm07	10014333	10014750 Gmdrm	hypo	CHH	-0.0502
Gm07	10019117	10020117 Gmdrm	hypo	CHH	-0.0513
Gm07	10022727	10023726 Gmdrm	hypo	CHH	-0.0295
Gm07	10025225	10026219 Gmdrm	hypo	CHH	-0.024
Gm07	10037276	10038276 Gmdrm	hypo	CHH	-0.1275
Gm07	10038281	10039071 Gmdrm	hypo	CHH	-0.0787
Gm07	10039919	10040889 Gmdrm	hypo	CHH	-0.0799
Gm07	10045335	10046325 Gmdrm	hypo	CHH	-0.0179
Gm07	10046350	10046530 Gmdrm	hypo	CHH	-0.0737
Gm07	10046679	10046759 Gmdrm	hypo	CHH	-0.2078
Gm07	10046861	10047591 Gmdrm	hypo	CHH	-0.0804
Gm07	10047938	10048938 Gmdrm	hypo	CHH	-0.0143
Gm07	10048942	10049923 Gmdrm	hypo	CHH	-0.0145
Gm07	10053352	10054295 Gmdrm	hypo	CHH	-0.0293
Gm07	10094221	10095007 Gmdrm	hypo	CHH	-0.0265
Gm07	10097360	10098360 Gmdrm	hypo	CHH	-0.0428
Gm07	10098364	10099000 Gmdrm	hypo	CHH	-0.1507
Gm07	10099818	10100816 Gmdrm	hypo	CHH	-0.0918
Gm07	10100819	10101793 Gmdrm	hypo	CHH	-0.075
Gm07	10101830	10102813 Gmdrm	hypo	CHH	-0.038
Gm07	10102841	10103491 Gmdrm	hypo	CHH	-0.0509
Gm07	10103621	10104616 Gmdrm	hypo	CHH	-0.0326
Gm07	10104626	10105583 Gmdrm	hypo	CHH	-0.0899
Gm07	10105629	10106038 Gmdrm	hypo	CHH	-0.0433
Gm07	10129979	10130979 Gmdrm	hypo	CHH	-0.0557
Gm07	10130981	10131981 Gmdrm	hypo	CHH	-0.0557
Gm07	10131996	10132974 Gmdrm	hypo	CHH	-0.0475
Gm07	10136038	10136530 Gmdrm	hypo	CHH	-0.0243
Gm07	10145506	10146494 Gmdrm	hypo	CHH	-0.0208
Gm07	10152568	10153568 Gmdrm	hypo	CHH	-0.0512
Gm07	10153570	10154527 Gmdrm	hypo	CHH	-0.0767
Gm07	10154581	10155563 Gmdrm	hypo	CHH	-0.0742
Gm07	10155585	10156353 Gmdrm	hypo	CHH	-0.0368
Gm07	10160426	10161421 Gmdrm	hypo	CHH	-0.071
Gm07	10164452	10165444 Gmdrm	hypo	CHH	-0.0247
Gm07	10175321	10176288 Gmdrm	hypo	CHH	-0.0263
Gm07	10176329	10177319 Gmdrm	hypo	CHH	-0.0712
Gm07	10177330	10178325 Gmdrm	hypo	CHH	-0.0385
Gm07	10179731	10180567 Gmdrm	hypo	CHH	-0.0212
Gm07	10184980	10185974 Gmdrm	hypo	CHH	-0.0571
Gm07	10191697	10192695 Gmdrm	hypo	CHH	-0.0329
Gm07	10192722	10193712 Gmdrm	hypo	CHH	-0.0252
Gm07	10210213	10211199 Gmdrm	hypo	CHH	-0.0154
Gm07	10212235	10213089 Gmdrm	hypo	CHH	-0.0146
Gm07	10213195	10214173 Gmdrm	hypo	CHH	-0.1265
Gm07	10233183	10234183 Gmdrm	hypo	CHH	-0.0413

Gm07	10234213	10235187	Gmdrm	hypo	CHH	-0.017
Gm07	10237876	10238875	Gmdrm	hypo	CHH	-0.0636
Gm07	10271335	10272308	Gmdrm	hypo	CHH	-0.0145
Gm07	10285115	10286106	Gmdrm	hypo	CHH	-0.0457
Gm07	10292165	10293145	Gmdrm	hypo	CHH	-0.1901
Gm07	10296015	10296845	Gmdrm	hypo	CHH	-0.0293
Gm07	10303126	10304123	Gmdrm	hypo	CHH	-0.2215
Gm07	10308970	10309944	Gmdrm	hypo	CHH	-0.1098
Gm07	10317018	10317997	Gmdrm	hypo	CHH	-0.0178
Gm07	10323085	10324083	Gmdrm	hypo	CHH	-0.0926
Gm07	10324087	10324731	Gmdrm	hypo	CHH	-0.0629
Gm07	10324833	10325290	Gmdrm	hypo	CHH	-0.03
Gm07	10325393	10325637	Gmdrm	hypo	CHH	-0.1229
Gm07	10328392	10329385	Gmdrm	hypo	CHH	-0.0264
Gm07	10337858	10338857	Gmdrm	hypo	CHH	-0.017
Gm07	10338876	10339706	Gmdrm	hypo	CHH	-0.0189
Gm07	10339841	10340814	Gmdrm	hypo	CHH	-0.028
Gm07	10356957	10357945	Gmdrm	hypo	CHH	-0.0114
Gm07	10378357	10379347	Gmdrm	hypo	CHH	-0.016
Gm07	10380508	10381499	Gmdrm	hypo	CHH	-0.0345
Gm07	10391264	10392256	Gmdrm	hypo	CHH	-0.1048
Gm07	10394462	10395457	Gmdrm	hypo	CHH	-0.0103
Gm07	10395464	10396464	Gmdrm	hypo	CHH	-0.0175
Gm07	10403564	10404547	Gmdrm	hypo	CHH	-0.0526
Gm07	10406596	10407564	Gmdrm	hypo	CHH	-0.0209
Gm07	10420982	10421952	Gmdrm	hypo	CHH	-0.0118
Gm07	10421988	10422987	Gmdrm	hypo	CHH	-0.1202
Gm07	10425119	10426090	Gmdrm	hypo	CHH	-0.0435
Gm07	10431662	10432366	Gmdrm	hypo	CHH	-0.0188
Gm07	10432574	10433562	Gmdrm	hypo	CHH	-0.0307
Gm07	10436017	10437013	Gmdrm	hypo	CHH	-0.1919
Gm07	10442914	10443914	Gmdrm	hypo	CHH	-0.0222
Gm07	10443926	10444920	Gmdrm	hypo	CHH	-0.055
Gm07	10449960	10450903	Gmdrm	hypo	CHH	-0.0816
Gm07	10454911	10455903	Gmdrm	hypo	CHH	-0.0478
Gm07	10457997	10458976	Gmdrm	hypo	CHH	-0.0488
Gm07	10459347	10460343	Gmdrm	hypo	CHH	-0.0368
Gm07	10465373	10466365	Gmdrm	hypo	CHH	-0.0271
Gm07	10466379	10467379	Gmdrm	hypo	CHH	-0.0396
Gm07	10467387	10468362	Gmdrm	hypo	CHH	-0.1359
Gm07	10471333	10472320	Gmdrm	hypo	CHH	-0.0131
Gm07	10472372	10473371	Gmdrm	hypo	CHH	-0.0401
Gm07	10474382	10475374	Gmdrm	hypo	CHH	-0.026
Gm07	10483419	10484407	Gmdrm	hypo	CHH	-0.0379
Gm07	10497958	10498942	Gmdrm	hypo	CHH	-0.0195
Gm07	10500744	10501477	Gmdrm	hypo	CHH	-0.024

Gm07	10525703	10526696	Gmdrm	hypo	CHH	-0.1541
Gm07	10546048	10547048	Gmdrm	hypo	CHH	-0.015
Gm07	10547051	10548048	Gmdrm	hypo	CHH	-0.0309
Gm07	10575032	10575965	Gmdrm	hypo	CHH	-0.0552
Gm07	10579481	10580476	Gmdrm	hypo	CHH	-0.093
Gm07	10580490	10581448	Gmdrm	hypo	CHH	-0.0285
Gm07	10589015	10589145	Gmdrm	hypo	CHH	-0.128
Gm07	10626897	10627884	Gmdrm	hypo	CHH	-0.027
Gm07	10630936	10631927	Gmdrm	hypo	CHH	-0.0197
Gm07	10633218	10634216	Gmdrm	hypo	CHH	-0.0779
Gm07	10634221	10635220	Gmdrm	hypo	CHH	-0.0708
Gm07	10669747	10670386	Gmdrm	hypo	CHH	-0.039
Gm07	10689802	10690802	Gmdrm	hypo	CHH	-0.0802
Gm07	10690805	10691793	Gmdrm	hypo	CHH	-0.1541
Gm07	10700883	10701873	Gmdrm	hypo	CHH	-0.1832
Gm07	10701899	10702892	Gmdrm	hypo	CHH	-0.0809
Gm07	10723362	10723401	Gmdrm	hypo	CHH	-0.2234
Gm07	10726471	10726665	Gmdrm	hypo	CHH	-0.0847
Gm07	10730960	10731959	Gmdrm	hypo	CHH	-0.0224
Gm07	10753275	10753819	Gmdrm	hypo	CHH	-0.1116
Gm07	10757758	10758758	Gmdrm	hypo	CHH	-0.0408
Gm07	10763859	10764692	Gmdrm	hypo	CHH	-0.0236
Gm07	10845533	10846528	Gmdrm	hypo	CHH	-0.0307
Gm07	10852613	10853609	Gmdrm	hypo	CHH	-0.182
Gm07	10853615	10854615	Gmdrm	hypo	CHH	-0.3569
Gm07	10857890	10858884	Gmdrm	hypo	CHH	-0.0125
Gm07	10858894	10859892	Gmdrm	hypo	CHH	-0.0207
Gm07	10905134	10905431	Gmdrm	hypo	CHH	-0.0828
Gm07	10905769	10906749	Gmdrm	hypo	CHH	-0.0202
Gm07	10910658	10911649	Gmdrm	hypo	CHH	-0.0409
Gm07	10970311	10970841	Gmdrm	hypo	CHH	-0.0235
Gm07	10971301	10972050	Gmdrm	hypo	CHH	-0.0609
Gm07	10986738	10987735	Gmdrm	hypo	CHH	-0.121
Gm07	10987741	10988711	Gmdrm	hypo	CHH	-0.0626
Gm07	11027314	11028291	Gmdrm	hypo	CHH	-0.0101
Gm07	11030710	11031710	Gmdrm	hypo	CHH	-0.0284
Gm07	11054049	11055049	Gmdrm	hypo	CHH	-0.0138
Gm07	11055055	11056054	Gmdrm	hypo	CHH	-0.0227
Gm07	11056964	11057478	Gmdrm	hypo	CHH	-0.1607
Gm07	11099073	11100073	Gmdrm	hypo	CHH	-0.0282
Gm07	11100116	11100271	Gmdrm	hypo	CHH	-0.1625
Gm07	11128076	11129071	Gmdrm	hypo	CHH	-0.0175
Gm07	11134773	11135762	Gmdrm	hypo	CHH	-0.0265
Gm07	11141296	11142295	Gmdrm	hypo	CHH	-0.079
Gm07	11174538	11175533	Gmdrm	hypo	CHH	-0.0182
Gm07	11196412	11197394	Gmdrm	hypo	CHH	-0.0512

Gm07	11199432	11200431	Gmdrm	hypo	CHH	-0.0315
Gm07	11234450	11235440	Gmdrm	hypo	CHH	-0.0452
Gm07	11235451	11236451	Gmdrm	hypo	CHH	-0.1198
Gm07	11236452	11237444	Gmdrm	hypo	CHH	-0.3476
Gm07	11248385	11249375	Gmdrm	hypo	CHH	-0.0431
Gm07	11267268	11268267	Gmdrm	hypo	CHH	-0.0328
Gm07	11271154	11272154	Gmdrm	hypo	CHH	-0.02
Gm07	11272157	11273154	Gmdrm	hypo	CHH	-0.0394
Gm07	11310039	11310996	Gmdrm	hypo	CHH	-0.0657
Gm07	11312976	11313962	Gmdrm	hypo	CHH	-0.1961
Gm07	11315514	11316512	Gmdrm	hypo	CHH	-0.0316
Gm07	11349417	11350398	Gmdrm	hypo	CHH	-0.0132
Gm07	11354160	11355147	Gmdrm	hypo	CHH	-0.256
Gm07	11369589	11370059	Gmdrm	hypo	CHH	-0.0748
Gm07	11370593	11371566	Gmdrm	hypo	CHH	-0.0196
Gm07	11375766	11376764	Gmdrm	hypo	CHH	-0.0392
Gm07	11396136	11397135	Gmdrm	hypo	CHH	-0.0271
Gm07	11398972	11399035	Gmdrm	hypo	CHH	-0.0266
Gm07	11402519	11403194	Gmdrm	hypo	CHH	-0.0672
Gm07	11403612	11404060	Gmdrm	hypo	CHH	-0.0463
Gm07	11404597	11404785	Gmdrm	hypo	CHH	-0.0806
Gm07	11404899	11405348	Gmdrm	hypo	CHH	-0.1073
Gm07	11410661	11411104	Gmdrm	hypo	CHH	-0.1242
Gm07	11414805	11415803	Gmdrm	hypo	CHH	-0.1287
Gm07	11430236	11431235	Gmdrm	hypo	CHH	-0.0445
Gm07	11431237	11432231	Gmdrm	hypo	CHH	-0.3032
Gm07	11433224	11434212	Gmdrm	hypo	CHH	-0.0334
Gm07	11448262	11449260	Gmdrm	hypo	CHH	-0.0579
Gm07	11479987	11480961	Gmdrm	hypo	CHH	-0.0725
Gm07	11496854	11497854	Gmdrm	hypo	CHH	-0.0489
Gm07	11497855	11498657	Gmdrm	hypo	CHH	-0.0272
Gm07	11502082	11503077	Gmdrm	hypo	CHH	-0.1085
Gm07	11503084	11504076	Gmdrm	hypo	CHH	-0.018
Gm07	11525713	11526703	Gmdrm	hypo	CHH	-0.0126
Gm07	11527744	11528741	Gmdrm	hypo	CHH	-0.0393
Gm07	11528781	11529762	Gmdrm	hypo	CHH	-0.0191
Gm07	11535722	11536333	Gmdrm	hypo	CHH	-0.0289
Gm07	11537745	11538689	Gmdrm	hypo	CHH	-0.022
Gm07	11541121	11542121	Gmdrm	hypo	CHH	-0.0568
Gm07	11553449	11554437	Gmdrm	hypo	CHH	-0.0622
Gm07	11554454	11555449	Gmdrm	hypo	CHH	-0.0279
Gm07	11559048	11559935	Gmdrm	hypo	CHH	-0.0894
Gm07	11560091	11560488	Gmdrm	hypo	CHH	-0.0408
Gm07	11570938	11571935	Gmdrm	hypo	CHH	-0.0334
Gm07	11598771	11599731	Gmdrm	hypo	CHH	-0.0131
Gm07	11626281	11626664	Gmdrm	hypo	CHH	-0.0929

Gm07	11641305	11642280	Gmdrm	hypo	CHH	-0.0248
Gm07	11648333	11649301	Gmdrm	hypo	CHH	-0.0107
Gm07	11653519	11653910	Gmdrm	hypo	CHH	-0.0691
Gm07	11660910	11661895	Gmdrm	hypo	CHH	-0.0531
Gm07	11661918	11662843	Gmdrm	hypo	CHH	-0.038
Gm07	11678804	11679789	Gmdrm	hypo	CHH	-0.047
Gm07	11679812	11680184	Gmdrm	hypo	CHH	-0.1007
Gm07	11701370	11702345	Gmdrm	hypo	CHH	-0.0429
Gm07	11705450	11705864	Gmdrm	hypo	CHH	-0.0407
Gm07	11730178	11731171	Gmdrm	hypo	CHH	-0.0176
Gm07	11762047	11762510	Gmdrm	hypo	CHH	-0.0747
Gm07	11763857	11764849	Gmdrm	hypo	CHH	-0.0205
Gm07	11764867	11765860	Gmdrm	hypo	CHH	-0.027
Gm07	11780760	11781760	Gmdrm	hypo	CHH	-0.0777
Gm07	11781764	11782737	Gmdrm	hypo	CHH	-0.1523
Gm07	11784814	11785799	Gmdrm	hypo	CHH	-0.0275
Gm07	11786850	11787264	Gmdrm	hypo	CHH	-0.0338
Gm07	11788403	11789402	Gmdrm	hypo	CHH	-0.0901
Gm07	11789408	11790408	Gmdrm	hypo	CHH	-0.0934
Gm07	11790415	11791399	Gmdrm	hypo	CHH	-0.0221
Gm07	11814575	11815056	Gmdrm	hypo	CHH	-0.036
Gm07	11834016	11834959	Gmdrm	hypo	CHH	-0.0646
Gm07	11842372	11843363	Gmdrm	hypo	CHH	-0.0617
Gm07	11843385	11843777	Gmdrm	hypo	CHH	-0.0617
Gm07	11844122	11845104	Gmdrm	hypo	CHH	-0.076
Gm07	11845124	11845932	Gmdrm	hypo	CHH	-0.0161
Gm07	11847181	11848168	Gmdrm	hypo	CHH	-0.0167
Gm07	11848188	11848444	Gmdrm	hypo	CHH	-0.0265
Gm07	11871482	11872453	Gmdrm	hypo	CHH	-0.192
Gm07	11905227	11906167	Gmdrm	hypo	CHH	-0.1031
Gm07	11910396	11911394	Gmdrm	hypo	CHH	-0.0208
Gm07	11918136	11919132	Gmdrm	hypo	CHH	-0.0244
Gm07	11919140	11920120	Gmdrm	hypo	CHH	-0.0159
Gm07	12032364	12033363	Gmdrm	hypo	CHH	-0.0203
Gm07	12034636	12035635	Gmdrm	hypo	CHH	-0.1859
Gm07	12035642	12036635	Gmdrm	hypo	CHH	-0.1669
Gm07	12036655	12037630	Gmdrm	hypo	CHH	-0.0121
Gm07	12045583	12046583	Gmdrm	hypo	CHH	-0.075
Gm07	12046594	12047593	Gmdrm	hypo	CHH	-0.0733
Gm07	12140757	12141744	Gmdrm	hypo	CHH	-0.0535
Gm07	12256414	12257019	Gmdrm	hypo	CHH	-0.047
Gm07	12258802	12259795	Gmdrm	hypo	CHH	-0.0117
Gm07	12308924	12309924	Gmdrm	hypo	CHH	-0.0696
Gm07	12310935	12311933	Gmdrm	hypo	CHH	-0.0544
Gm07	12311936	12312920	Gmdrm	hypo	CHH	-0.0914
Gm07	12323180	12323324	Gmdrm	hypo	CHH	-0.046

Gm07	12327690	12328678	Gmdrm	hypo	CHH	-0.0353
Gm07	12328703	12329703	Gmdrm	hypo	CHH	-0.1817
Gm07	12329710	12330155	Gmdrm	hypo	CHH	-0.1187
Gm07	12330991	12331933	Gmdrm	hypo	CHH	-0.0764
Gm07	12333140	12334119	Gmdrm	hypo	CHH	-0.0672
Gm07	12334167	12334378	Gmdrm	hypo	CHH	-0.0671
Gm07	12334694	12334980	Gmdrm	hypo	CHH	-0.0417
Gm07	12335141	12336118	Gmdrm	hypo	CHH	-0.0178
Gm07	12344792	12345791	Gmdrm	hypo	CHH	-0.0399
Gm07	12379062	12379984	Gmdrm	hypo	CHH	-0.0656
Gm07	12380118	12381118	Gmdrm	hypo	CHH	-0.0467
Gm07	12393060	12394056	Gmdrm	hypo	CHH	-0.0173
Gm07	12394071	12395025	Gmdrm	hypo	CHH	-0.0146
Gm07	12411619	12412613	Gmdrm	hypo	CHH	-0.0138
Gm07	12414639	12415629	Gmdrm	hypo	CHH	-0.033
Gm07	12426966	12427966	Gmdrm	hypo	CHH	-0.0738
Gm07	12433448	12434446	Gmdrm	hypo	CHH	-0.0333
Gm07	12458000	12458998	Gmdrm	hypo	CHH	-0.0488
Gm07	12471553	12472548	Gmdrm	hypo	CHH	-0.0446
Gm07	12481654	12482385	Gmdrm	hypo	CHH	-0.1968
Gm07	12490632	12491623	Gmdrm	hypo	CHH	-0.0333
Gm07	12526917	12527909	Gmdrm	hypo	CHH	-0.0391
Gm07	12527918	12528907	Gmdrm	hypo	CHH	-0.0162
Gm07	12553261	12553619	Gmdrm	hypo	CHH	-0.03
Gm07	12556894	12557890	Gmdrm	hypo	CHH	-0.0351
Gm07	12557901	12558897	Gmdrm	hypo	CHH	-0.0276
Gm07	12586150	12587144	Gmdrm	hypo	CHH	-0.0295
Gm07	12687941	12688495	Gmdrm	hypo	CHH	-0.0959
Gm07	12874599	12875584	Gmdrm	hypo	CHH	-0.0201
Gm07	12875607	12876604	Gmdrm	hypo	CHH	-0.0433
Gm07	12914350	12915347	Gmdrm	hypo	CHH	-0.0539
Gm07	12929151	12930123	Gmdrm	hypo	CHH	-0.0136
Gm07	12932171	12933166	Gmdrm	hypo	CHH	-0.0491
Gm07	12956189	12957187	Gmdrm	hypo	CHH	-0.0165
Gm07	12959258	12959779	Gmdrm	hypo	CHH	-0.0224
Gm07	12968426	12969423	Gmdrm	hypo	CHH	-0.1632
Gm07	12973619	12974606	Gmdrm	hypo	CHH	-0.0551
Gm07	12974622	12975599	Gmdrm	hypo	CHH	-0.058
Gm07	12976634	12977598	Gmdrm	hypo	CHH	-0.1224
Gm07	12979925	12980924	Gmdrm	hypo	CHH	-0.1103
Gm07	12995272	12996264	Gmdrm	hypo	CHH	-0.0511
Gm07	12998623	12999622	Gmdrm	hypo	CHH	-0.0215
Gm07	13044787	13045774	Gmdrm	hypo	CHH	-0.0307
Gm07	13083033	13084027	Gmdrm	hypo	CHH	-0.0595
Gm07	13084037	13085036	Gmdrm	hypo	CHH	-0.0594
Gm07	13130405	13131041	Gmdrm	hypo	CHH	-0.0908

Gm07	13133511	13134200	Gmdrm	hypo	CHH	-0.0208
Gm07	13135355	13136352	Gmdrm	hypo	CHH	-0.0176
Gm07	13186531	13187530	Gmdrm	hypo	CHH	-0.1043
Gm07	13190944	13191873	Gmdrm	hypo	CHH	-0.0135
Gm07	13202301	13202816	Gmdrm	hypo	CHH	-0.0341
Gm07	13202929	13203674	Gmdrm	hypo	CHH	-0.0767
Gm07	13230911	13231877	Gmdrm	hypo	CHH	-0.0308
Gm07	13231929	13232902	Gmdrm	hypo	CHH	-0.1934
Gm07	13233947	13234945	Gmdrm	hypo	CHH	-0.1667
Gm07	13235974	13236971	Gmdrm	hypo	CHH	-0.0738
Gm07	13236977	13237965	Gmdrm	hypo	CHH	-0.0682
Gm07	13237990	13238635	Gmdrm	hypo	CHH	-0.0234
Gm07	13241910	13242909	Gmdrm	hypo	CHH	-0.0215
Gm07	13246610	13247610	Gmdrm	hypo	CHH	-0.0266
Gm07	13247614	13248600	Gmdrm	hypo	CHH	-0.055
Gm07	13248618	13249603	Gmdrm	hypo	CHH	-0.0231
Gm07	13249625	13250625	Gmdrm	hypo	CHH	-0.0377
Gm07	13260758	13261367	Gmdrm	hypo	CHH	-0.041
Gm07	13261547	13262539	Gmdrm	hypo	CHH	-0.0532
Gm07	13276130	13277121	Gmdrm	hypo	CHH	-0.1039
Gm07	13287365	13288073	Gmdrm	hypo	CHH	-0.0942
Gm07	13288207	13289178	Gmdrm	hypo	CHH	-0.0307
Gm07	13301782	13302400	Gmdrm	hypo	CHH	-0.0222
Gm07	13304990	13305952	Gmdrm	hypo	CHH	-0.1486
Gm07	13312030	13313025	Gmdrm	hypo	CHH	-0.0656
Gm07	13326993	13327971	Gmdrm	hypo	CHH	-0.0387
Gm07	13408943	13409929	Gmdrm	hypo	CHH	-0.0147
Gm07	13413628	13414627	Gmdrm	hypo	CHH	-0.0406
Gm07	13419819	13420819	Gmdrm	hypo	CHH	-0.0647
Gm07	13420823	13421811	Gmdrm	hypo	CHH	-0.113
Gm07	13431013	13431984	Gmdrm	hypo	CHH	-0.0986
Gm07	13459263	13459673	Gmdrm	hypo	CHH	-0.0635
Gm07	13465043	13466021	Gmdrm	hypo	CHH	-0.0176
Gm07	13466493	13467493	Gmdrm	hypo	CHH	-0.0205
Gm07	13475936	13476928	Gmdrm	hypo	CHH	-0.0486
Gm07	13489996	13490990	Gmdrm	hypo	CHH	-0.0633
Gm07	13491001	13491995	Gmdrm	hypo	CHH	-0.0415
Gm07	13492002	13492995	Gmdrm	hypo	CHH	-0.1124
Gm07	13493006	13493982	Gmdrm	hypo	CHH	-0.0601
Gm07	13506219	13507155	Gmdrm	hypo	CHH	-0.0338
Gm07	13508924	13509922	Gmdrm	hypo	CHH	-0.106
Gm07	13509927	13510912	Gmdrm	hypo	CHH	-0.0897
Gm07	13514380	13514982	Gmdrm	hypo	CHH	-0.2216
Gm07	13537008	13537496	Gmdrm	hypo	CHH	-0.024
Gm07	13546687	13547417	Gmdrm	hypo	CHH	-0.09
Gm07	13547596	13548561	Gmdrm	hypo	CHH	-0.34

Gm07	13554917	13555869	Gmdrm	hypo	CHH	-0.0666
Gm07	13567622	13568616	Gmdrm	hypo	CHH	-0.0444
Gm07	13576579	13577569	Gmdrm	hypo	CHH	-0.063
Gm07	13581685	13582674	Gmdrm	hypo	CHH	-0.1014
Gm07	13587512	13587826	Gmdrm	hypo	CHH	-0.0206
Gm07	13607347	13607748	Gmdrm	hypo	CHH	-0.1164
Gm07	13611158	13612153	Gmdrm	hypo	CHH	-0.1359
Gm07	13612173	13613165	Gmdrm	hypo	CHH	-0.1403
Gm07	13613198	13614197	Gmdrm	hypo	CHH	-0.11
Gm07	13620285	13621284	Gmdrm	hypo	CHH	-0.0212
Gm07	13634448	13635413	Gmdrm	hypo	CHH	-0.0541
Gm07	13635463	13636463	Gmdrm	hypo	CHH	-0.0822
Gm07	13636473	13637472	Gmdrm	hypo	CHH	-0.0207
Gm07	13637479	13638471	Gmdrm	hypo	CHH	-0.0579
Gm07	13703101	13704087	Gmdrm	hypo	CHH	-0.0335
Gm07	13719165	13720151	Gmdrm	hypo	CHH	-0.0383
Gm07	13730843	13731841	Gmdrm	hypo	CHH	-0.0211
Gm07	13734778	13735772	Gmdrm	hypo	CHH	-0.0322
Gm07	13735783	13736776	Gmdrm	hypo	CHH	-0.07
Gm07	13749904	13750902	Gmdrm	hypo	CHH	-0.0527
Gm07	13755949	13756892	Gmdrm	hypo	CHH	-0.0579
Gm07	13757050	13758036	Gmdrm	hypo	CHH	-0.0871
Gm07	13773354	13774298	Gmdrm	hypo	CHH	-0.1712
Gm07	13775899	13776875	Gmdrm	hypo	CHH	-0.0141
Gm07	13796747	13797741	Gmdrm	hypo	CHH	-0.0161
Gm07	13815756	13816710	Gmdrm	hypo	CHH	-0.0928
Gm07	13818318	13819298	Gmdrm	hypo	CHH	-0.0239
Gm07	13819335	13820289	Gmdrm	hypo	CHH	-0.0434
Gm07	13867101	13867586	Gmdrm	hypo	CHH	-0.0245
Gm07	13869055	13870009	Gmdrm	hypo	CHH	-0.0185
Gm07	13873104	13874099	Gmdrm	hypo	CHH	-0.0325
Gm07	13874105	13875097	Gmdrm	hypo	CHH	-0.0164
Gm07	13885473	13886437	Gmdrm	hypo	CHH	-0.0892
Gm07	13915871	13916868	Gmdrm	hypo	CHH	-0.0366
Gm07	13938645	13939638	Gmdrm	hypo	CHH	-0.0704
Gm07	13948088	13949076	Gmdrm	hypo	CHH	-0.0587
Gm07	13960594	13961587	Gmdrm	hypo	CHH	-0.0501
Gm07	13987161	13988135	Gmdrm	hypo	CHH	-0.0424
Gm07	14002736	14003736	Gmdrm	hypo	CHH	-0.0541
Gm07	14003738	14004730	Gmdrm	hypo	CHH	-0.026
Gm07	14004757	14005751	Gmdrm	hypo	CHH	-0.0212
Gm07	14021895	14022125	Gmdrm	hypo	CHH	-0.0586
Gm07	14022273	14023260	Gmdrm	hypo	CHH	-0.0323
Gm07	14035617	14036617	Gmdrm	hypo	CHH	-0.019
Gm07	14049282	14050234	Gmdrm	hypo	CHH	-0.2194
Gm07	14067551	14068532	Gmdrm	hypo	CHH	-0.013

Gm07	14069631	14070581	Gmdrm	hypo	CHH	-0.0606
Gm07	14070646	14071643	Gmdrm	hypo	CHH	-0.0211
Gm07	14072468	14073467	Gmdrm	hypo	CHH	-0.0571
Gm07	14073469	14073928	Gmdrm	hypo	CHH	-0.0319
Gm07	14119359	14120353	Gmdrm	hypo	CHH	-0.0546
Gm07	14120361	14121355	Gmdrm	hypo	CHH	-0.0662
Gm07	14123409	14124022	Gmdrm	hypo	CHH	-0.0172
Gm07	14124135	14125134	Gmdrm	hypo	CHH	-0.0228
Gm07	14141772	14142755	Gmdrm	hypo	CHH	-0.2553
Gm07	14142780	14143779	Gmdrm	hypo	CHH	-0.0573
Gm07	14161167	14162162	Gmdrm	hypo	CHH	-0.0555
Gm07	14162177	14163172	Gmdrm	hypo	CHH	-0.0202
Gm07	14163180	14164160	Gmdrm	hypo	CHH	-0.0361
Gm07	14164184	14165183	Gmdrm	hypo	CHH	-0.1006
Gm07	14165203	14165973	Gmdrm	hypo	CHH	-0.0974
Gm07	14173128	14174100	Gmdrm	hypo	CHH	-0.0268
Gm07	14180068	14181017	Gmdrm	hypo	CHH	-0.0156
Gm07	14183019	14184003	Gmdrm	hypo	CHH	-0.0344
Gm07	14184038	14185036	Gmdrm	hypo	CHH	-0.0601
Gm07	14185042	14186027	Gmdrm	hypo	CHH	-0.0523
Gm07	14188100	14189097	Gmdrm	hypo	CHH	-0.0394
Gm07	14192616	14192678	Gmdrm	hypo	CHH	-0.1067
Gm07	14200678	14201666	Gmdrm	hypo	CHH	-0.0664
Gm07	14201679	14202667	Gmdrm	hypo	CHH	-0.0281
Gm07	14217439	14218434	Gmdrm	hypo	CHH	-0.0432
Gm07	14218442	14219427	Gmdrm	hypo	CHH	-0.0567
Gm07	14232751	14233085	Gmdrm	hypo	CHH	-0.1245
Gm07	14243807	14244792	Gmdrm	hypo	CHH	-0.0831
Gm07	14251383	14252381	Gmdrm	hypo	CHH	-0.0714
Gm07	14252385	14253293	Gmdrm	hypo	CHH	-0.0719
Gm07	14268783	14269493	Gmdrm	hypo	CHH	-0.0647
Gm07	14274640	14275640	Gmdrm	hypo	CHH	-0.0312
Gm07	14275650	14276649	Gmdrm	hypo	CHH	-0.0325
Gm07	14291812	14292811	Gmdrm	hypo	CHH	-0.1475
Gm07	14320746	14321740	Gmdrm	hypo	CHH	-0.0778
Gm07	14368303	14369297	Gmdrm	hypo	CHH	-0.0523
Gm07	14380635	14381620	Gmdrm	hypo	CHH	-0.0281
Gm07	14383688	14384631	Gmdrm	hypo	CHH	-0.0508
Gm07	14392388	14393387	Gmdrm	hypo	CHH	-0.0888
Gm07	14393389	14394383	Gmdrm	hypo	CHH	-0.0786
Gm07	14394411	14395411	Gmdrm	hypo	CHH	-0.0397
Gm07	14395416	14396416	Gmdrm	hypo	CHH	-0.0435
Gm07	14424410	14424480	Gmdrm	hypo	CHH	-0.1171
Gm07	14473222	14474217	Gmdrm	hypo	CHH	-0.0216
Gm07	14474229	14475221	Gmdrm	hypo	CHH	-0.0103
Gm07	14475233	14476194	Gmdrm	hypo	CHH	-0.0339

Gm07	14516658	14517658	Gmdrm	hypo	CHH	-0.0186
Gm07	14521338	14522298	Gmdrm	hypo	CHH	-0.0238
Gm07	14535509	14536493	Gmdrm	hypo	CHH	-0.0358
Gm07	14539736	14540423	Gmdrm	hypo	CHH	-0.0303
Gm07	14554957	14555957	Gmdrm	hypo	CHH	-0.0501
Gm07	14555964	14556955	Gmdrm	hypo	CHH	-0.0307
Gm07	14556974	14557973	Gmdrm	hypo	CHH	-0.0717
Gm07	14557987	14558985	Gmdrm	hypo	CHH	-0.0232
Gm07	14559020	14560002	Gmdrm	hypo	CHH	-0.0178
Gm07	14563770	14564766	Gmdrm	hypo	CHH	-0.0311
Gm07	14566807	14567753	Gmdrm	hypo	CHH	-0.0944
Gm07	14568802	14568961	Gmdrm	hypo	CHH	-0.0533
Gm07	14569752	14570740	Gmdrm	hypo	CHH	-0.032
Gm07	14576357	14577330	Gmdrm	hypo	CHH	-0.0347
Gm07	14587026	14588019	Gmdrm	hypo	CHH	-0.0699
Gm07	14631622	14632613	Gmdrm	hypo	CHH	-0.0391
Gm07	14640562	14641541	Gmdrm	hypo	CHH	-0.0543
Gm07	14642568	14643564	Gmdrm	hypo	CHH	-0.0408
Gm07	14643581	14644577	Gmdrm	hypo	CHH	-0.0669
Gm07	14645589	14645890	Gmdrm	hypo	CHH	-0.0878
Gm07	14646007	14647007	Gmdrm	hypo	CHH	-0.1369
Gm07	14647615	14648602	Gmdrm	hypo	CHH	-0.0238
Gm07	14656399	14657386	Gmdrm	hypo	CHH	-0.0192
Gm07	14657440	14658434	Gmdrm	hypo	CHH	-0.0877
Gm07	14662008	14663005	Gmdrm	hypo	CHH	-0.0786
Gm07	14663019	14664005	Gmdrm	hypo	CHH	-0.0186
Gm07	14664025	14665025	Gmdrm	hypo	CHH	-0.0878
Gm07	14665027	14665777	Gmdrm	hypo	CHH	-0.0507
Gm07	14673609	14674574	Gmdrm	hypo	CHH	-0.0609
Gm07	14674939	14675939	Gmdrm	hypo	CHH	-0.0228
Gm07	14675958	14676954	Gmdrm	hypo	CHH	-0.0524
Gm07	14676960	14677949	Gmdrm	hypo	CHH	-0.0507
Gm07	14679965	14680957	Gmdrm	hypo	CHH	-0.0217
Gm07	14682012	14683008	Gmdrm	hypo	CHH	-0.0417
Gm07	14712299	14713289	Gmdrm	hypo	CHH	-0.0258
Gm07	14713321	14714320	Gmdrm	hypo	CHH	-0.05
Gm07	14714323	14715313	Gmdrm	hypo	CHH	-0.1195
Gm07	14723183	14724175	Gmdrm	hypo	CHH	-0.0596
Gm07	14729513	14730020	Gmdrm	hypo	CHH	-0.0394
Gm07	14739647	14740626	Gmdrm	hypo	CHH	-0.0295
Gm07	14740665	14741664	Gmdrm	hypo	CHH	-0.0137
Gm07	14748137	14749136	Gmdrm	hypo	CHH	-0.1057
Gm07	14749142	14750140	Gmdrm	hypo	CHH	-0.0492
Gm07	14754926	14755878	Gmdrm	hypo	CHH	-0.0429
Gm07	14762654	14763620	Gmdrm	hypo	CHH	-0.0198
Gm07	14771074	14772070	Gmdrm	hypo	CHH	-0.0344

Gm07	14772079	14773071	Gmdrm	hypo	CHH	-0.0827
Gm07	14805092	14806092	Gmdrm	hypo	CHH	-0.0904
Gm07	14806609	14807598	Gmdrm	hypo	CHH	-0.0706
Gm07	14824452	14825425	Gmdrm	hypo	CHH	-0.1007
Gm07	14830482	14831257	Gmdrm	hypo	CHH	-0.0248
Gm07	14834398	14835387	Gmdrm	hypo	CHH	-0.0178
Gm07	14843811	14844808	Gmdrm	hypo	CHH	-0.0334
Gm07	14844815	14845538	Gmdrm	hypo	CHH	-0.1075
Gm07	14847872	14848725	Gmdrm	hypo	CHH	-0.0192
Gm07	14853866	14854297	Gmdrm	hypo	CHH	-0.0467
Gm07	14858929	14859925	Gmdrm	hypo	CHH	-0.0172
Gm07	14862688	14863687	Gmdrm	hypo	CHH	-0.0662
Gm07	14863690	14864690	Gmdrm	hypo	CHH	-0.0602
Gm07	14864699	14865697	Gmdrm	hypo	CHH	-0.0472
Gm07	14865706	14866703	Gmdrm	hypo	CHH	-0.1081
Gm07	14866908	14867906	Gmdrm	hypo	CHH	-0.0676
Gm07	14877419	14878407	Gmdrm	hypo	CHH	-0.3455
Gm07	14882703	14883687	Gmdrm	hypo	CHH	-0.0935
Gm07	14883713	14883836	Gmdrm	hypo	CHH	-0.0371
Gm07	14895745	14895966	Gmdrm	hypo	CHH	-0.0353
Gm07	14897084	14898084	Gmdrm	hypo	CHH	-0.1143
Gm07	14903096	14904093	Gmdrm	hypo	CHH	-0.1665
Gm07	14905126	14906111	Gmdrm	hypo	CHH	-0.0523
Gm07	14906129	14907117	Gmdrm	hypo	CHH	-0.0157
Gm07	14914909	14915898	Gmdrm	hypo	CHH	-0.3119
Gm07	14915914	14916911	Gmdrm	hypo	CHH	-0.1643
Gm07	14920927	14921924	Gmdrm	hypo	CHH	-0.0495
Gm07	14923295	14924292	Gmdrm	hypo	CHH	-0.0189
Gm07	14929938	14930938	Gmdrm	hypo	CHH	-0.0828
Gm07	14930942	14931933	Gmdrm	hypo	CHH	-0.0423
Gm07	14955611	14956596	Gmdrm	hypo	CHH	-0.0435
Gm07	14956624	14957621	Gmdrm	hypo	CHH	-0.0559
Gm07	14958674	14959670	Gmdrm	hypo	CHH	-0.0303
Gm07	14960691	14961688	Gmdrm	hypo	CHH	-0.062
Gm07	14961692	14962191	Gmdrm	hypo	CHH	-0.1436
Gm07	14963339	14964094	Gmdrm	hypo	CHH	-0.1292
Gm07	14965380	14966374	Gmdrm	hypo	CHH	-0.0278
Gm07	14966385	14966845	Gmdrm	hypo	CHH	-0.072
Gm07	14967216	14968212	Gmdrm	hypo	CHH	-0.058
Gm07	14971376	14971796	Gmdrm	hypo	CHH	-0.0432
Gm07	14985732	14986732	Gmdrm	hypo	CHH	-0.0449
Gm07	14986741	14987734	Gmdrm	hypo	CHH	-0.1063
Gm07	14987744	14988744	Gmdrm	hypo	CHH	-0.0203
Gm07	15007046	15008045	Gmdrm	hypo	CHH	-0.0715
Gm07	15025458	15026439	Gmdrm	hypo	CHH	-0.0902
Gm07	15026467	15027466	Gmdrm	hypo	CHH	-0.0657

Gm07	15027470	15028173	Gmdrm	hypo	CHH	-0.1983
Gm07	15031527	15031975	Gmdrm	hypo	CHH	-0.0216
Gm07	15055944	15056772	Gmdrm	hypo	CHH	-0.0249
Gm07	15062453	15063450	Gmdrm	hypo	CHH	-0.0221
Gm07	15076254	15077253	Gmdrm	hypo	CHH	-0.351
Gm07	15077255	15078232	Gmdrm	hypo	CHH	-0.1491
Gm07	15081026	15082018	Gmdrm	hypo	CHH	-0.0157
Gm07	15082031	15083030	Gmdrm	hypo	CHH	-0.0627
Gm07	15096221	15097219	Gmdrm	hypo	CHH	-0.1046
Gm07	15099593	15100533	Gmdrm	hypo	CHH	-0.0285
Gm07	15118281	15119281	Gmdrm	hypo	CHH	-0.0863
Gm07	15119289	15120286	Gmdrm	hypo	CHH	-0.0543
Gm07	15125353	15126351	Gmdrm	hypo	CHH	-0.0401
Gm07	15132105	15133104	Gmdrm	hypo	CHH	-0.0426
Gm07	15133114	15134107	Gmdrm	hypo	CHH	-0.0192
Gm07	15150350	15151343	Gmdrm	hypo	CHH	-0.0216
Gm07	15153728	15154720	Gmdrm	hypo	CHH	-0.033
Gm07	15154745	15155732	Gmdrm	hypo	CHH	-0.055
Gm07	15156350	15157343	Gmdrm	hypo	CHH	-0.1135
Gm07	15162378	15162932	Gmdrm	hypo	CHH	-0.0572
Gm07	15172802	15173794	Gmdrm	hypo	CHH	-0.031
Gm07	15197991	15198947	Gmdrm	hypo	CHH	-0.0151
Gm07	15211935	15212900	Gmdrm	hypo	CHH	-0.1372
Gm07	15216297	15217293	Gmdrm	hypo	CHH	-0.0551
Gm07	15220569	15221561	Gmdrm	hypo	CHH	-0.125
Gm07	15221581	15222576	Gmdrm	hypo	CHH	-0.0351
Gm07	15228604	15229597	Gmdrm	hypo	CHH	-0.0882
Gm07	15232525	15233510	Gmdrm	hypo	CHH	-0.0174
Gm07	15238761	15239751	Gmdrm	hypo	CHH	-0.106
Gm07	15239770	15240415	Gmdrm	hypo	CHH	-0.0725
Gm07	15246176	15246788	Gmdrm	hypo	CHH	-0.285
Gm07	15258847	15259845	Gmdrm	hypo	CHH	-0.1755
Gm07	15259854	15260422	Gmdrm	hypo	CHH	-0.3887
Gm07	15267773	15268768	Gmdrm	hypo	CHH	-0.0211
Gm07	15270865	15271022	Gmdrm	hypo	CHH	-0.0314
Gm07	15278272	15279259	Gmdrm	hypo	CHH	-0.057
Gm07	15289855	15290855	Gmdrm	hypo	CHH	-0.0792
Gm07	15290925	15291597	Gmdrm	hypo	CHH	-0.0768
Gm07	15292127	15293105	Gmdrm	hypo	CHH	-0.0201
Gm07	15293271	15294261	Gmdrm	hypo	CHH	-0.0141
Gm07	15298385	15298961	Gmdrm	hypo	CHH	-0.0376
Gm07	15306514	15307453	Gmdrm	hypo	CHH	-0.1037
Gm07	15307535	15308523	Gmdrm	hypo	CHH	-0.1614
Gm07	15315346	15316337	Gmdrm	hypo	CHH	-0.0166
Gm07	15324090	15324370	Gmdrm	hypo	CHH	-0.0709
Gm07	15326004	15327003	Gmdrm	hypo	CHH	-0.0246

Gm07	15328024	15328386	Gmdrm	hypo	CHH	-0.034
Gm07	15328488	15329488	Gmdrm	hypo	CHH	-0.0335
Gm07	15336650	15337638	Gmdrm	hypo	CHH	-0.103
Gm07	15349727	15350726	Gmdrm	hypo	CHH	-0.0894
Gm07	15350729	15351728	Gmdrm	hypo	CHH	-0.0652
Gm07	15351730	15352721	Gmdrm	hypo	CHH	-0.0621
Gm07	15356054	15357049	Gmdrm	hypo	CHH	-0.0179
Gm07	15371421	15372418	Gmdrm	hypo	CHH	-0.0501
Gm07	15382995	15383966	Gmdrm	hypo	CHH	-0.0968
Gm07	15398103	15398962	Gmdrm	hypo	CHH	-0.0561
Gm07	15411692	15412686	Gmdrm	hypo	CHH	-0.0151
Gm07	15420803	15421325	Gmdrm	hypo	CHH	-0.0176
Gm07	15425890	15426889	Gmdrm	hypo	CHH	-0.1425
Gm07	15426893	15427876	Gmdrm	hypo	CHH	-0.1457
Gm07	15456919	15457905	Gmdrm	hypo	CHH	-0.2478
Gm07	15457923	15458893	Gmdrm	hypo	CHH	-0.2309
Gm07	15460451	15461451	Gmdrm	hypo	CHH	-0.0217
Gm07	15464121	15465113	Gmdrm	hypo	CHH	-0.03
Gm07	15488774	15489774	Gmdrm	hypo	CHH	-0.0355
Gm07	15493462	15494459	Gmdrm	hypo	CHH	-0.1105
Gm07	15506532	15507530	Gmdrm	hypo	CHH	-0.0527
Gm07	15507535	15508517	Gmdrm	hypo	CHH	-0.069
Gm07	15520528	15521518	Gmdrm	hypo	CHH	-0.0272
Gm07	15521537	15522507	Gmdrm	hypo	CHH	-0.0781
Gm07	15523551	15524541	Gmdrm	hypo	CHH	-0.0381
Gm07	15537685	15538683	Gmdrm	hypo	CHH	-0.0087
Gm07	15553446	15554417	Gmdrm	hypo	CHH	-0.016
Gm07	15556523	15557501	Gmdrm	hypo	CHH	-0.0505
Gm07	15557528	15558518	Gmdrm	hypo	CHH	-0.0744
Gm07	15566126	15567090	Gmdrm	hypo	CHH	-0.036
Gm07	15567150	15568150	Gmdrm	hypo	CHH	-0.0631
Gm07	15574937	15575928	Gmdrm	hypo	CHH	-0.0837
Gm07	15578001	15578999	Gmdrm	hypo	CHH	-0.0818
Gm07	15581498	15582481	Gmdrm	hypo	CHH	-0.0238
Gm07	15585560	15586558	Gmdrm	hypo	CHH	-0.0716
Gm07	15587578	15588553	Gmdrm	hypo	CHH	-0.0131
Gm07	15608738	15609738	Gmdrm	hypo	CHH	-0.0256
Gm07	15618018	15619017	Gmdrm	hypo	CHH	-0.1013
Gm07	15619019	15619939	Gmdrm	hypo	CHH	-0.0338
Gm07	15621189	15622187	Gmdrm	hypo	CHH	-0.0612
Gm07	15642150	15643139	Gmdrm	hypo	CHH	-0.0206
Gm07	15653487	15653942	Gmdrm	hypo	CHH	-0.0196
Gm07	15664158	15665153	Gmdrm	hypo	CHH	-0.0444
Gm07	15669192	15670173	Gmdrm	hypo	CHH	-0.0441
Gm07	15671217	15671666	Gmdrm	hypo	CHH	-0.0148
Gm07	15674200	15674743	Gmdrm	hypo	CHH	-0.0855

Gm07	15677344	15678341	Gmdrm	hypo	CHH	-0.153
Gm07	15687619	15688616	Gmdrm	hypo	CHH	-0.0608
Gm07	15688622	15689622	Gmdrm	hypo	CHH	-0.0664
Gm07	15694876	15695876	Gmdrm	hypo	CHH	-0.034
Gm07	15695889	15696888	Gmdrm	hypo	CHH	-0.0118
Gm07	15705398	15706387	Gmdrm	hypo	CHH	-0.189
Gm07	15709813	15710791	Gmdrm	hypo	CHH	-0.0234
Gm07	15720204	15721176	Gmdrm	hypo	CHH	-0.0337
Gm07	15732384	15733308	Gmdrm	hypo	CHH	-0.0645
Gm07	15736633	15737629	Gmdrm	hypo	CHH	-0.0134
Gm07	15767591	15767724	Gmdrm	hypo	CHH	-0.072
Gm07	15802993	15803603	Gmdrm	hypo	CHH	-0.0223
Gm07	15805275	15806275	Gmdrm	hypo	CHH	-0.0173
Gm07	15811644	15812632	Gmdrm	hypo	CHH	-0.1734
Gm07	15812645	15813636	Gmdrm	hypo	CHH	-0.0507
Gm07	15816690	15817002	Gmdrm	hypo	CHH	-0.1416
Gm07	15817187	15818187	Gmdrm	hypo	CHH	-0.0706
Gm07	15820243	15821240	Gmdrm	hypo	CHH	-0.164
Gm07	15821272	15822270	Gmdrm	hypo	CHH	-0.1166
Gm07	15822275	15823268	Gmdrm	hypo	CHH	-0.0991
Gm07	15823319	15824305	Gmdrm	hypo	CHH	-0.0205
Gm07	15825777	15826774	Gmdrm	hypo	CHH	-0.0223
Gm07	15846148	15847143	Gmdrm	hypo	CHH	-0.0238
Gm07	15855159	15856127	Gmdrm	hypo	CHH	-0.02
Gm07	15862123	15863122	Gmdrm	hypo	CHH	-0.0593
Gm07	15863132	15864126	Gmdrm	hypo	CHH	-0.1277
Gm07	15864136	15865115	Gmdrm	hypo	CHH	-0.0784
Gm07	15875427	15875805	Gmdrm	hypo	CHH	-0.0616
Gm07	15877396	15877773	Gmdrm	hypo	CHH	-0.0453
Gm07	15878981	15879968	Gmdrm	hypo	CHH	-0.0165
Gm07	15879984	15880965	Gmdrm	hypo	CHH	-0.309
Gm07	15886478	15887452	Gmdrm	hypo	CHH	-0.0349
Gm07	15897258	15898244	Gmdrm	hypo	CHH	-0.0904
Gm07	15903352	15904346	Gmdrm	hypo	CHH	-0.0728
Gm07	15905362	15906006	Gmdrm	hypo	CHH	-0.3165
Gm07	15907167	15908162	Gmdrm	hypo	CHH	-0.0681
Gm07	15911334	15912328	Gmdrm	hypo	CHH	-0.0711
Gm07	15913360	15914348	Gmdrm	hypo	CHH	-0.0339
Gm07	15916711	15917637	Gmdrm	hypo	CHH	-0.0277
Gm07	15917718	15918713	Gmdrm	hypo	CHH	-0.0546
Gm07	15942398	15943397	Gmdrm	hypo	CHH	-0.0192
Gm07	15945468	15946447	Gmdrm	hypo	CHH	-0.0496
Gm07	15946505	15947480	Gmdrm	hypo	CHH	-0.0174
Gm07	15949643	15950639	Gmdrm	hypo	CHH	-0.0225
Gm07	15956248	15956455	Gmdrm	hypo	CHH	-0.0264
Gm07	15975198	15976198	Gmdrm	hypo	CHH	-0.0476

Gm07	15976199	15977198	Gmdrm	hypo	CHH	-0.0845
Gm07	15977201	15978184	Gmdrm	hypo	CHH	-0.0249
Gm07	15978315	15979313	Gmdrm	hypo	CHH	-0.2221
Gm07	15979342	15979453	Gmdrm	hypo	CHH	-0.2778
Gm07	15979956	15980947	Gmdrm	hypo	CHH	-0.144
Gm07	15991069	15992067	Gmdrm	hypo	CHH	-0.0464
Gm07	15993101	15994080	Gmdrm	hypo	CHH	-0.0827
Gm07	15994641	15995613	Gmdrm	hypo	CHH	-0.0118
Gm07	15998522	15999495	Gmdrm	hypo	CHH	-0.0441
Gm07	15999531	16000293	Gmdrm	hypo	CHH	-0.0624
Gm07	16000569	16001278	Gmdrm	hypo	CHH	-0.1419
Gm07	16002520	16003493	Gmdrm	hypo	CHH	-0.0308
Gm07	16005562	16006458	Gmdrm	hypo	CHH	-0.0288
Gm07	16006573	16007568	Gmdrm	hypo	CHH	-0.0537
Gm07	16007576	16008326	Gmdrm	hypo	CHH	-0.0573
Gm07	16009081	16009486	Gmdrm	hypo	CHH	-0.0823
Gm07	16010622	16011613	Gmdrm	hypo	CHH	-0.0182
Gm07	16013706	16014695	Gmdrm	hypo	CHH	-0.1326
Gm07	16014708	16015700	Gmdrm	hypo	CHH	-0.0895
Gm07	16019435	16020388	Gmdrm	hypo	CHH	-0.0734
Gm07	16038804	16039802	Gmdrm	hypo	CHH	-0.0157
Gm07	16045501	16046496	Gmdrm	hypo	CHH	-0.0825
Gm07	16066160	16067144	Gmdrm	hypo	CHH	-0.0232
Gm07	16075917	16076913	Gmdrm	hypo	CHH	-0.0579
Gm07	16076921	16077899	Gmdrm	hypo	CHH	-0.0362
Gm07	16080022	16081017	Gmdrm	hypo	CHH	-0.02
Gm07	16081043	16082032	Gmdrm	hypo	CHH	-0.0393
Gm07	16107215	16108214	Gmdrm	hypo	CHH	-0.0908
Gm07	16115541	16116536	Gmdrm	hypo	CHH	-0.052
Gm07	16116547	16117544	Gmdrm	hypo	CHH	-0.0438
Gm07	16117556	16118555	Gmdrm	hypo	CHH	-0.1098
Gm07	16126025	16126992	Gmdrm	hypo	CHH	-0.0138
Gm07	16130169	16131165	Gmdrm	hypo	CHH	-0.0215
Gm07	16137600	16138598	Gmdrm	hypo	CHH	-0.0466
Gm07	16138602	16138893	Gmdrm	hypo	CHH	-0.0942
Gm07	16152640	16153632	Gmdrm	hypo	CHH	-0.0184
Gm07	16167713	16168713	Gmdrm	hypo	CHH	-0.041
Gm07	16169739	16170709	Gmdrm	hypo	CHH	-0.0181
Gm07	16170744	16171721	Gmdrm	hypo	CHH	-0.0267
Gm07	16173380	16173927	Gmdrm	hypo	CHH	-0.0195
Gm07	16185883	16186879	Gmdrm	hypo	CHH	-0.0422
Gm07	16186885	16187871	Gmdrm	hypo	CHH	-0.049
Gm07	16210997	16211997	Gmdrm	hypo	CHH	-0.087
Gm07	16218629	16218796	Gmdrm	hypo	CHH	-0.0729
Gm07	16220472	16221464	Gmdrm	hypo	CHH	-0.0306
Gm07	16232651	16233392	Gmdrm	hypo	CHH	-0.1898

Gm07	16244203	16245188	Gmdrm	hypo	CHH	-0.0198
Gm07	16248955	16249949	Gmdrm	hypo	CHH	-0.0763
Gm07	16260793	16261564	Gmdrm	hypo	CHH	-0.0176
Gm07	16269300	16270290	Gmdrm	hypo	CHH	-0.0102
Gm07	16276361	16276582	Gmdrm	hypo	CHH	-0.0625
Gm07	16281999	16282997	Gmdrm	hypo	CHH	-0.3101
Gm07	16283015	16284001	Gmdrm	hypo	CHH	-0.063
Gm07	16305151	16306149	Gmdrm	hypo	CHH	-0.1075
Gm07	16307732	16308308	Gmdrm	hypo	CHH	-0.0254
Gm07	16315470	16316469	Gmdrm	hypo	CHH	-0.0382
Gm07	16320314	16321314	Gmdrm	hypo	CHH	-0.0414
Gm07	16321323	16322006	Gmdrm	hypo	CHH	-0.0501
Gm07	16322113	16323113	Gmdrm	hypo	CHH	-0.0741
Gm07	16323131	16324129	Gmdrm	hypo	CHH	-0.0497
Gm07	16332495	16333119	Gmdrm	hypo	CHH	-0.0386
Gm07	16335266	16336217	Gmdrm	hypo	CHH	-0.0152
Gm07	16339686	16340647	Gmdrm	hypo	CHH	-0.0737
Gm07	16340689	16341683	Gmdrm	hypo	CHH	-0.0214
Gm07	16349744	16350736	Gmdrm	hypo	CHH	-0.0278
Gm07	16362155	16363140	Gmdrm	hypo	CHH	-0.3099
Gm07	16363183	16364183	Gmdrm	hypo	CHH	-0.0318
Gm07	16365115	16366115	Gmdrm	hypo	CHH	-0.2622
Gm07	16366127	16367124	Gmdrm	hypo	CHH	-0.1627
Gm07	16367128	16368127	Gmdrm	hypo	CHH	-0.1285
Gm07	16378703	16379689	Gmdrm	hypo	CHH	-0.0367
Gm07	16379717	16380314	Gmdrm	hypo	CHH	-0.0835
Gm07	16380415	16380852	Gmdrm	hypo	CHH	-0.0503
Gm07	16381263	16382263	Gmdrm	hypo	CHH	-0.1341
Gm07	16382265	16383232	Gmdrm	hypo	CHH	-0.2508
Gm07	16384285	16385248	Gmdrm	hypo	CHH	-0.4148
Gm07	16393046	16393228	Gmdrm	hypo	CHH	-0.0772
Gm07	16407157	16407786	Gmdrm	hypo	CHH	-0.0975
Gm07	16407982	16408978	Gmdrm	hypo	CHH	-0.0536
Gm07	16408985	16409152	Gmdrm	hypo	CHH	-0.1236
Gm07	16416704	16417676	Gmdrm	hypo	CHH	-0.0235
Gm07	16418766	16419763	Gmdrm	hypo	CHH	-0.0925
Gm07	16423795	16424778	Gmdrm	hypo	CHH	-0.1115
Gm07	16426877	16427876	Gmdrm	hypo	CHH	-0.0277
Gm07	16429896	16430895	Gmdrm	hypo	CHH	-0.0642
Gm07	16436175	16436955	Gmdrm	hypo	CHH	-0.0273
Gm07	16447564	16448411	Gmdrm	hypo	CHH	-0.1306
Gm07	16479094	16480077	Gmdrm	hypo	CHH	-0.182
Gm07	16481682	16482670	Gmdrm	hypo	CHH	-0.1409
Gm07	16482696	16483694	Gmdrm	hypo	CHH	-0.0845
Gm07	16483728	16484718	Gmdrm	hypo	CHH	-0.0699
Gm07	16484733	16485352	Gmdrm	hypo	CHH	-0.0856

Gm07	16492119	16493116	Gmdrm	hypo	CHH	-0.0584
Gm07	16505211	16505399	Gmdrm	hypo	CHH	-0.0362
Gm07	16505569	16506213	Gmdrm	hypo	CHH	-0.0792
Gm07	16508224	16509223	Gmdrm	hypo	CHH	-0.2434
Gm07	16509226	16509710	Gmdrm	hypo	CHH	-0.0646
Gm07	16515367	16516367	Gmdrm	hypo	CHH	-0.1066
Gm07	16518738	16519723	Gmdrm	hypo	CHH	-0.1524
Gm07	16519739	16520737	Gmdrm	hypo	CHH	-0.0315
Gm07	16532770	16533766	Gmdrm	hypo	CHH	-0.0568
Gm07	16533776	16534623	Gmdrm	hypo	CHH	-0.0653
Gm07	16535796	16536355	Gmdrm	hypo	CHH	-0.0336
Gm07	16536458	16537458	Gmdrm	hypo	CHH	-0.0481
Gm07	16537474	16537629	Gmdrm	hypo	CHH	-0.0726
Gm07	16537912	16538911	Gmdrm	hypo	CHH	-0.1959
Gm07	16538917	16539916	Gmdrm	hypo	CHH	-0.1371
Gm07	16556537	16557175	Gmdrm	hypo	CHH	-0.04
Gm07	16557322	16558311	Gmdrm	hypo	CHH	-0.0679
Gm07	16559663	16560662	Gmdrm	hypo	CHH	-0.0223
Gm07	16560665	16561626	Gmdrm	hypo	CHH	-0.0763
Gm07	16595193	16596181	Gmdrm	hypo	CHH	-0.0225
Gm07	16599247	16600236	Gmdrm	hypo	CHH	-0.0357
Gm07	16601265	16602089	Gmdrm	hypo	CHH	-0.0786
Gm07	16602204	16602274	Gmdrm	hypo	CHH	-0.084
Gm07	16602384	16603348	Gmdrm	hypo	CHH	-0.1002
Gm07	16620271	16621268	Gmdrm	hypo	CHH	-0.0777
Gm07	16622289	16623286	Gmdrm	hypo	CHH	-0.0808
Gm07	16623290	16624276	Gmdrm	hypo	CHH	-0.1402
Gm07	16628371	16628956	Gmdrm	hypo	CHH	-0.0506
Gm07	16640475	16641451	Gmdrm	hypo	CHH	-0.0652
Gm07	16643439	16644036	Gmdrm	hypo	CHH	-0.0672
Gm07	16652526	16653526	Gmdrm	hypo	CHH	-0.2851
Gm07	16653531	16654524	Gmdrm	hypo	CHH	-0.1794
Gm07	16655964	16656963	Gmdrm	hypo	CHH	-0.0575
Gm07	16656976	16657270	Gmdrm	hypo	CHH	-0.0204
Gm07	16658396	16659181	Gmdrm	hypo	CHH	-0.0439
Gm07	16659358	16660357	Gmdrm	hypo	CHH	-0.0629
Gm07	16660360	16661353	Gmdrm	hypo	CHH	-0.0447
Gm07	16662370	16663366	Gmdrm	hypo	CHH	-0.0283
Gm07	16663535	16664496	Gmdrm	hypo	CHH	-0.0738
Gm07	16664536	16665522	Gmdrm	hypo	CHH	-0.0421
Gm07	16665585	16666579	Gmdrm	hypo	CHH	-0.0279
Gm07	16679596	16680595	Gmdrm	hypo	CHH	-0.0239
Gm07	16688502	16689500	Gmdrm	hypo	CHH	-0.0849
Gm07	16713262	16714246	Gmdrm	hypo	CHH	-0.0143
Gm07	16726942	16727932	Gmdrm	hypo	CHH	-0.0526
Gm07	16734004	16734998	Gmdrm	hypo	CHH	-0.0418

Gm07	16735016	16735847	Gmdrm	hypo	CHH	-0.0326
Gm07	16738079	16739070	Gmdrm	hypo	CHH	-0.0595
Gm07	16741094	16742093	Gmdrm	hypo	CHH	-0.1842
Gm07	16747141	16747970	Gmdrm	hypo	CHH	-0.0167
Gm07	16754107	16755103	Gmdrm	hypo	CHH	-0.0347
Gm07	16756138	16757137	Gmdrm	hypo	CHH	-0.0211
Gm07	16757139	16758106	Gmdrm	hypo	CHH	-0.0252
Gm07	16760252	16760776	Gmdrm	hypo	CHH	-0.0248
Gm07	16777806	16778799	Gmdrm	hypo	CHH	-0.0377
Gm07	16778816	16779285	Gmdrm	hypo	CHH	-0.108
Gm07	16809217	16810199	Gmdrm	hypo	CHH	-0.0518
Gm07	16813062	16814041	Gmdrm	hypo	CHH	-0.0488
Gm07	16833508	16834498	Gmdrm	hypo	CHH	-0.0204
Gm07	16835537	16836528	Gmdrm	hypo	CHH	-0.0429
Gm07	16837392	16837804	Gmdrm	hypo	CHH	-0.0697
Gm07	16875866	16876857	Gmdrm	hypo	CHH	-0.0342
Gm07	16876872	16876963	Gmdrm	hypo	CHH	-0.0625
Gm07	16878067	16879062	Gmdrm	hypo	CHH	-0.0469
Gm07	16879073	16880070	Gmdrm	hypo	CHH	-0.2053
Gm07	16886196	16886970	Gmdrm	hypo	CHH	-0.0166
Gm07	16890439	16891424	Gmdrm	hypo	CHH	-0.0146
Gm07	16896109	16897093	Gmdrm	hypo	CHH	-0.0604
Gm07	16905064	16905860	Gmdrm	hypo	CHH	-0.0251
Gm07	16912178	16912881	Gmdrm	hypo	CHH	-0.1035
Gm07	16914013	16914991	Gmdrm	hypo	CHH	-0.0182
Gm07	16954586	16954752	Gmdrm	hypo	CHH	-0.0383
Gm07	16973810	16974754	Gmdrm	hypo	CHH	-0.0678
Gm07	16975681	16976100	Gmdrm	hypo	CHH	-0.057
Gm07	16983428	16984427	Gmdrm	hypo	CHH	-0.0357
Gm07	16989479	16990476	Gmdrm	hypo	CHH	-0.0243
Gm07	16993528	16994527	Gmdrm	hypo	CHH	-0.035
Gm07	16994529	16995518	Gmdrm	hypo	CHH	-0.0137
Gm07	17012804	17013734	Gmdrm	hypo	CHH	-0.0193
Gm07	17015074	17016062	Gmdrm	hypo	CHH	-0.0315
Gm07	17016109	17017106	Gmdrm	hypo	CHH	-0.1887
Gm07	17018183	17019181	Gmdrm	hypo	CHH	-0.0194
Gm07	17019189	17020185	Gmdrm	hypo	CHH	-0.0476
Gm07	17020192	17021183	Gmdrm	hypo	CHH	-0.031
Gm07	17021196	17022184	Gmdrm	hypo	CHH	-0.1819
Gm07	17022197	17023193	Gmdrm	hypo	CHH	-0.0348
Gm07	17023219	17024211	Gmdrm	hypo	CHH	-0.0752
Gm07	17024247	17025217	Gmdrm	hypo	CHH	-0.0231
Gm07	17025266	17025801	Gmdrm	hypo	CHH	-0.0312
Gm07	17038187	17039161	Gmdrm	hypo	CHH	-0.0139
Gm07	17041118	17042099	Gmdrm	hypo	CHH	-0.0602
Gm07	17042121	17043105	Gmdrm	hypo	CHH	-0.0326

Gm07	17044137	17045136 Gmdrm	hypo	CHH	-0.0802
Gm07	17054136	17055129 Gmdrm	hypo	CHH	-0.0331
Gm07	17055137	17056126 Gmdrm	hypo	CHH	-0.044
Gm07	17060174	17061125 Gmdrm	hypo	CHH	-0.1292
Gm07	17065670	17066670 Gmdrm	hypo	CHH	-0.0421
Gm07	17066688	17067663 Gmdrm	hypo	CHH	-0.0974
Gm07	17088577	17089417 Gmdrm	hypo	CHH	-0.0138
Gm07	17089525	17090480 Gmdrm	hypo	CHH	-0.0157
Gm07	17090526	17091469 Gmdrm	hypo	CHH	-0.0275
Gm07	17093623	17094616 Gmdrm	hypo	CHH	-0.0304
Gm07	17099029	17099310 Gmdrm	hypo	CHH	-0.0448
Gm07	17105330	17106326 Gmdrm	hypo	CHH	-0.0179
Gm07	17117436	17118432 Gmdrm	hypo	CHH	-0.0833
Gm07	17131656	17132644 Gmdrm	hypo	CHH	-0.0161
Gm07	17140515	17141494 Gmdrm	hypo	CHH	-0.0447
Gm07	17144104	17145092 Gmdrm	hypo	CHH	-0.0299
Gm07	17160538	17161536 Gmdrm	hypo	CHH	-0.016
Gm07	17161539	17162531 Gmdrm	hypo	CHH	-0.0163
Gm07	17165591	17166550 Gmdrm	hypo	CHH	-0.0189
Gm07	17166592	17167581 Gmdrm	hypo	CHH	-0.0226
Gm07	17167609	17168606 Gmdrm	hypo	CHH	-0.0442
Gm07	17168618	17169617 Gmdrm	hypo	CHH	-0.0407
Gm07	17197096	17198085 Gmdrm	hypo	CHH	-0.1188
Gm07	17277242	17278233 Gmdrm	hypo	CHH	-0.0147
Gm07	17278249	17279244 Gmdrm	hypo	CHH	-0.0279
Gm07	17280278	17281276 Gmdrm	hypo	CHH	-0.0335
Gm07	17281322	17282322 Gmdrm	hypo	CHH	-0.0688
Gm07	17282327	17283288 Gmdrm	hypo	CHH	-0.0558
Gm07	17283339	17284333 Gmdrm	hypo	CHH	-0.0902
Gm07	17284346	17285346 Gmdrm	hypo	CHH	-0.0604
Gm07	17285356	17286341 Gmdrm	hypo	CHH	-0.0227
Gm07	17286376	17287376 Gmdrm	hypo	CHH	-0.0999
Gm07	17287383	17288346 Gmdrm	hypo	CHH	-0.1073
Gm07	17289808	17290791 Gmdrm	hypo	CHH	-0.0939
Gm07	17298300	17299289 Gmdrm	hypo	CHH	-0.0593
Gm07	17307190	17308175 Gmdrm	hypo	CHH	-0.0517
Gm07	17321636	17322636 Gmdrm	hypo	CHH	-0.0137
Gm07	17323986	17324982 Gmdrm	hypo	CHH	-0.0309
Gm07	17325042	17325996 Gmdrm	hypo	CHH	-0.0284
Gm07	17326053	17327044 Gmdrm	hypo	CHH	-0.0694
Gm07	17327054	17328040 Gmdrm	hypo	CHH	-0.0248
Gm07	17328061	17328366 Gmdrm	hypo	CHH	-0.0844
Gm07	17333550	17334549 Gmdrm	hypo	CHH	-0.1493
Gm07	17334551	17334876 Gmdrm	hypo	CHH	-0.1728
Gm07	17362807	17363804 Gmdrm	hypo	CHH	-0.0307
Gm07	17370891	17371885 Gmdrm	hypo	CHH	-0.0652

Gm07	17376311	17377284	Gmdrm	hypo	CHH	-0.0789
Gm07	17377638	17378636	Gmdrm	hypo	CHH	-0.0164
Gm07	17378641	17379614	Gmdrm	hypo	CHH	-0.0587
Gm07	17390917	17391878	Gmdrm	hypo	CHH	-0.0325
Gm07	17401053	17402049	Gmdrm	hypo	CHH	-0.0185
Gm07	17451589	17452589	Gmdrm	hypo	CHH	-0.0737
Gm07	17457939	17458342	Gmdrm	hypo	CHH	-0.0314
Gm07	17459463	17460066	Gmdrm	hypo	CHH	-0.3404
Gm07	17471453	17472444	Gmdrm	hypo	CHH	-0.0105
Gm07	17476858	17477856	Gmdrm	hypo	CHH	-0.0617
Gm07	17477862	17478862	Gmdrm	hypo	CHH	-0.0608
Gm07	17491689	17492673	Gmdrm	hypo	CHH	-0.0263
Gm07	17510782	17511340	Gmdrm	hypo	CHH	-0.0189
Gm07	17512774	17513770	Gmdrm	hypo	CHH	-0.0514
Gm07	17514818	17515818	Gmdrm	hypo	CHH	-0.1607
Gm07	17515832	17516823	Gmdrm	hypo	CHH	-0.0726
Gm07	17516842	17517839	Gmdrm	hypo	CHH	-0.0288
Gm07	17567926	17568925	Gmdrm	hypo	CHH	-0.0523
Gm07	17571304	17572285	Gmdrm	hypo	CHH	-0.0771
Gm07	17573879	17574258	Gmdrm	hypo	CHH	-0.035
Gm07	17585816	17586811	Gmdrm	hypo	CHH	-0.0349
Gm07	17597870	17598615	Gmdrm	hypo	CHH	-0.0254
Gm07	17598983	17599936	Gmdrm	hypo	CHH	-0.0344
Gm07	17600991	17601983	Gmdrm	hypo	CHH	-0.1643
Gm07	17602528	17603434	Gmdrm	hypo	CHH	-0.0156
Gm07	17618166	17619164	Gmdrm	hypo	CHH	-0.0212
Gm07	17625985	17626985	Gmdrm	hypo	CHH	-0.0666
Gm07	17626988	17627118	Gmdrm	hypo	CHH	-0.2154
Gm07	17629964	17630880	Gmdrm	hypo	CHH	-0.0259
Gm07	17630977	17631940	Gmdrm	hypo	CHH	-0.141
Gm07	17632049	17632918	Gmdrm	hypo	CHH	-0.128
Gm07	17633064	17634061	Gmdrm	hypo	CHH	-0.1026
Gm07	17634076	17635075	Gmdrm	hypo	CHH	-0.0576
Gm07	17647019	17648004	Gmdrm	hypo	CHH	-0.0748
Gm07	17656203	17657079	Gmdrm	hypo	CHH	-0.1001
Gm07	17662520	17663507	Gmdrm	hypo	CHH	-0.1085
Gm07	17665609	17666607	Gmdrm	hypo	CHH	-0.2288
Gm07	17666623	17667616	Gmdrm	hypo	CHH	-0.1937
Gm07	17668662	17669187	Gmdrm	hypo	CHH	-0.0681
Gm07	17678400	17679394	Gmdrm	hypo	CHH	-0.0251
Gm07	17697475	17698469	Gmdrm	hypo	CHH	-0.0388
Gm07	17702275	17702371	Gmdrm	hypo	CHH	-0.0257
Gm07	17705188	17706187	Gmdrm	hypo	CHH	-0.0237
Gm07	17718252	17718662	Gmdrm	hypo	CHH	-0.0609
Gm07	17720394	17721379	Gmdrm	hypo	CHH	-0.1944
Gm07	17722418	17723410	Gmdrm	hypo	CHH	-0.0171

Gm07	17725877	17726849	Gmdrm	hypo	CHH	-0.0115
Gm07	17727659	17728657	Gmdrm	hypo	CHH	-0.0571
Gm07	17728660	17729651	Gmdrm	hypo	CHH	-0.0367
Gm07	17731678	17732676	Gmdrm	hypo	CHH	-0.0259
Gm07	17732679	17733679	Gmdrm	hypo	CHH	-0.034
Gm07	17737321	17738321	Gmdrm	hypo	CHH	-0.0695
Gm07	17738326	17739321	Gmdrm	hypo	CHH	-0.0232
Gm07	17739340	17740312	Gmdrm	hypo	CHH	-0.0128
Gm07	17745553	17745615	Gmdrm	hypo	CHH	-0.0733
Gm07	17749283	17750280	Gmdrm	hypo	CHH	-0.1926
Gm07	17750284	17751282	Gmdrm	hypo	CHH	-0.2226
Gm07	17768916	17769579	Gmdrm	hypo	CHH	-0.1613
Gm07	17777493	17778482	Gmdrm	hypo	CHH	-0.1769
Gm07	17778496	17779431	Gmdrm	hypo	CHH	-0.0892
Gm07	17783795	17784773	Gmdrm	hypo	CHH	-0.0222
Gm07	17790133	17791125	Gmdrm	hypo	CHH	-0.0138
Gm07	17796247	17797029	Gmdrm	hypo	CHH	-0.095
Gm07	17797150	17798119	Gmdrm	hypo	CHH	-0.0127
Gm07	17798152	17799042	Gmdrm	hypo	CHH	-0.0345
Gm07	17802529	17803517	Gmdrm	hypo	CHH	-0.0222
Gm07	17805380	17806370	Gmdrm	hypo	CHH	-0.1287
Gm07	17806382	17807382	Gmdrm	hypo	CHH	-0.0507
Gm07	17807412	17808376	Gmdrm	hypo	CHH	-0.0509
Gm07	17809829	17810321	Gmdrm	hypo	CHH	-0.0749
Gm07	17810632	17811611	Gmdrm	hypo	CHH	-0.1857
Gm07	17811652	17812078	Gmdrm	hypo	CHH	-0.0291
Gm07	17817809	17818808	Gmdrm	hypo	CHH	-0.0682
Gm07	17825572	17826540	Gmdrm	hypo	CHH	-0.0349
Gm07	17829955	17830795	Gmdrm	hypo	CHH	-0.0179
Gm07	17830938	17831309	Gmdrm	hypo	CHH	-0.0248
Gm07	17839251	17839406	Gmdrm	hypo	CHH	-0.082
Gm07	17845390	17846387	Gmdrm	hypo	CHH	-0.2217
Gm07	17847413	17848406	Gmdrm	hypo	CHH	-0.2751
Gm07	17852588	17853577	Gmdrm	hypo	CHH	-0.0745
Gm07	17865562	17866542	Gmdrm	hypo	CHH	-0.0309
Gm07	17866572	17867568	Gmdrm	hypo	CHH	-0.051
Gm07	17867575	17868550	Gmdrm	hypo	CHH	-0.0216
Gm07	17868577	17869577	Gmdrm	hypo	CHH	-0.0996
Gm07	17869583	17870562	Gmdrm	hypo	CHH	-0.0621
Gm07	17870584	17871583	Gmdrm	hypo	CHH	-0.0553
Gm07	17871592	17872587	Gmdrm	hypo	CHH	-0.066
Gm07	17876432	17877417	Gmdrm	hypo	CHH	-0.0672
Gm07	17877437	17878437	Gmdrm	hypo	CHH	-0.0456
Gm07	17885384	17886025	Gmdrm	hypo	CHH	-0.0262
Gm07	17898085	17898615	Gmdrm	hypo	CHH	-0.0273
Gm07	17903381	17904163	Gmdrm	hypo	CHH	-0.0384

Gm07	17911284	17912272	Gmdrm	hypo	CHH	-0.0334
Gm07	17920366	17921364	Gmdrm	hypo	CHH	-0.0235
Gm07	17930871	17931857	Gmdrm	hypo	CHH	-0.0392
Gm07	17931879	17932868	Gmdrm	hypo	CHH	-0.102
Gm07	17935890	17936744	Gmdrm	hypo	CHH	-0.1107
Gm07	17937050	17938050	Gmdrm	hypo	CHH	-0.144
Gm07	17938066	17939065	Gmdrm	hypo	CHH	-0.0828
Gm07	17939068	17940054	Gmdrm	hypo	CHH	-0.2729
Gm07	17947283	17948063	Gmdrm	hypo	CHH	-0.1067
Gm07	17951146	17952144	Gmdrm	hypo	CHH	-0.103
Gm07	17954994	17955990	Gmdrm	hypo	CHH	-0.0626
Gm07	17955995	17956992	Gmdrm	hypo	CHH	-0.0393
Gm07	17963027	17963350	Gmdrm	hypo	CHH	-0.0393
Gm07	17963466	17964463	Gmdrm	hypo	CHH	-0.1259
Gm07	18000103	18000757	Gmdrm	hypo	CHH	-0.0252
Gm07	18007001	18007849	Gmdrm	hypo	CHH	-0.0164
Gm07	18008526	18009525	Gmdrm	hypo	CHH	-0.0395
Gm07	18012601	18013601	Gmdrm	hypo	CHH	-0.2428
Gm07	18015485	18016481	Gmdrm	hypo	CHH	-0.0475
Gm07	18065695	18066692	Gmdrm	hypo	CHH	-0.0525
Gm07	18066698	18067277	Gmdrm	hypo	CHH	-0.1004
Gm07	18067510	18068472	Gmdrm	hypo	CHH	-0.0481
Gm07	18068627	18068940	Gmdrm	hypo	CHH	-0.0286
Gm07	18070050	18071040	Gmdrm	hypo	CHH	-0.0827
Gm07	18071090	18072080	Gmdrm	hypo	CHH	-0.0131
Gm07	18074173	18074966	Gmdrm	hypo	CHH	-0.0536
Gm07	18076099	18077099	Gmdrm	hypo	CHH	-0.0944
Gm07	18077101	18078085	Gmdrm	hypo	CHH	-0.0276
Gm07	18081912	18082908	Gmdrm	hypo	CHH	-0.0346
Gm07	18083258	18084252	Gmdrm	hypo	CHH	-0.0338
Gm07	18130885	18131852	Gmdrm	hypo	CHH	-0.0719
Gm07	18131888	18132876	Gmdrm	hypo	CHH	-0.0362
Gm07	18164144	18165137	Gmdrm	hypo	CHH	-0.1936
Gm07	18166606	18167450	Gmdrm	hypo	CHH	-0.2154
Gm07	18172085	18173061	Gmdrm	hypo	CHH	-0.0222
Gm07	18195006	18196003	Gmdrm	hypo	CHH	-0.0308
Gm07	18202332	18203332	Gmdrm	hypo	CHH	-0.0197
Gm07	18203337	18204316	Gmdrm	hypo	CHH	-0.1112
Gm07	18204347	18204753	Gmdrm	hypo	CHH	-0.0783
Gm07	18212720	18213684	Gmdrm	hypo	CHH	-0.1203
Gm07	18213757	18214755	Gmdrm	hypo	CHH	-0.1652
Gm07	18214762	18215293	Gmdrm	hypo	CHH	-0.0579
Gm07	18220037	18220287	Gmdrm	hypo	CHH	-0.044
Gm07	18270595	18271594	Gmdrm	hypo	CHH	-0.1459
Gm07	18271600	18272598	Gmdrm	hypo	CHH	-0.1417
Gm07	18348021	18349021	Gmdrm	hypo	CHH	-0.0391

Gm07	18349028	18350025	Gmdrm	hypo	CHH	-0.0356
Gm07	18353603	18354598	Gmdrm	hypo	CHH	-0.0279
Gm07	18354605	18355601	Gmdrm	hypo	CHH	-0.0862
Gm07	18355623	18356622	Gmdrm	hypo	CHH	-0.0552
Gm07	18358839	18359839	Gmdrm	hypo	CHH	-0.0235
Gm07	18366638	18367637	Gmdrm	hypo	CHH	-0.0231
Gm07	18370754	18371737	Gmdrm	hypo	CHH	-0.0799
Gm07	18371755	18372655	Gmdrm	hypo	CHH	-0.2495
Gm07	18421978	18422755	Gmdrm	hypo	CHH	-0.0489
Gm07	18422871	18423636	Gmdrm	hypo	CHH	-0.036
Gm07	18436673	18437667	Gmdrm	hypo	CHH	-0.0138
Gm07	18452820	18453815	Gmdrm	hypo	CHH	-0.0397
Gm07	18453838	18454433	Gmdrm	hypo	CHH	-0.0233
Gm07	18458239	18459234	Gmdrm	hypo	CHH	-0.0314
Gm07	18459241	18460237	Gmdrm	hypo	CHH	-0.1189
Gm07	18460257	18460660	Gmdrm	hypo	CHH	-0.1196
Gm07	18466079	18467066	Gmdrm	hypo	CHH	-0.0402
Gm07	18467392	18468339	Gmdrm	hypo	CHH	-0.0824
Gm07	18469922	18470903	Gmdrm	hypo	CHH	-0.015
Gm07	18486165	18486951	Gmdrm	hypo	CHH	-0.0216
Gm07	18489580	18490557	Gmdrm	hypo	CHH	-0.1087
Gm07	18499869	18500857	Gmdrm	hypo	CHH	-0.0349
Gm07	18533501	18534501	Gmdrm	hypo	CHH	-0.0162
Gm07	18534528	18535268	Gmdrm	hypo	CHH	-0.0279
Gm07	18541196	18542182	Gmdrm	hypo	CHH	-0.0143
Gm07	18546300	18547300	Gmdrm	hypo	CHH	-0.045
Gm07	18547304	18548281	Gmdrm	hypo	CHH	-0.1676
Gm07	18549426	18549689	Gmdrm	hypo	CHH	-0.0461
Gm07	18552625	18553625	Gmdrm	hypo	CHH	-0.1777
Gm07	18553630	18554626	Gmdrm	hypo	CHH	-0.1605
Gm07	18592209	18593202	Gmdrm	hypo	CHH	-0.1434
Gm07	18593807	18594807	Gmdrm	hypo	CHH	-0.0353
Gm07	18631138	18632098	Gmdrm	hypo	CHH	-0.0336
Gm07	18640547	18641207	Gmdrm	hypo	CHH	-0.153
Gm07	18652891	18653879	Gmdrm	hypo	CHH	-0.0789
Gm07	18653923	18654486	Gmdrm	hypo	CHH	-0.0357
Gm07	18658122	18658253	Gmdrm	hypo	CHH	-0.225
Gm07	18659786	18660342	Gmdrm	hypo	CHH	-0.0807
Gm07	18660480	18661474	Gmdrm	hypo	CHH	-0.0715
Gm07	18670631	18671625	Gmdrm	hypo	CHH	-0.0798
Gm07	18699436	18700433	Gmdrm	hypo	CHH	-0.0605
Gm07	18700687	18701661	Gmdrm	hypo	CHH	-0.1188
Gm07	18702741	18703735	Gmdrm	hypo	CHH	-0.0347
Gm07	18790032	18791012	Gmdrm	hypo	CHH	-0.0189
Gm07	18792113	18793112	Gmdrm	hypo	CHH	-0.1385
Gm07	18793114	18794094	Gmdrm	hypo	CHH	-0.0678

Gm07	18799036	18800027	Gmdrm	hypo	CHH	-0.0899
Gm07	18800132	18801128	Gmdrm	hypo	CHH	-0.0754
Gm07	18803395	18804378	Gmdrm	hypo	CHH	-0.0135
Gm07	18810114	18811114	Gmdrm	hypo	CHH	-0.0757
Gm07	18820751	18821750	Gmdrm	hypo	CHH	-0.103
Gm07	18821784	18821898	Gmdrm	hypo	CHH	-0.1838
Gm07	18839291	18839980	Gmdrm	hypo	CHH	-0.2623
Gm07	18840083	18841079	Gmdrm	hypo	CHH	-0.1459
Gm07	18842087	18843060	Gmdrm	hypo	CHH	-0.0724
Gm07	18854477	18855472	Gmdrm	hypo	CHH	-0.032
Gm07	18856700	18857549	Gmdrm	hypo	CHH	-0.0862
Gm07	18870137	18871119	Gmdrm	hypo	CHH	-0.07
Gm07	18871151	18871573	Gmdrm	hypo	CHH	-0.0195
Gm07	18873092	18874075	Gmdrm	hypo	CHH	-0.0407
Gm07	18888986	18889971	Gmdrm	hypo	CHH	-0.0676
Gm07	18912108	18913091	Gmdrm	hypo	CHH	-0.114
Gm07	18931185	18931933	Gmdrm	hypo	CHH	-0.0366
Gm07	18932034	18933025	Gmdrm	hypo	CHH	-0.0676
Gm07	18942544	18943544	Gmdrm	hypo	CHH	-0.0813
Gm07	18943556	18944548	Gmdrm	hypo	CHH	-0.046
Gm07	18958765	18959738	Gmdrm	hypo	CHH	-0.0179
Gm07	18959828	18960817	Gmdrm	hypo	CHH	-0.0149
Gm07	18960853	18961711	Gmdrm	hypo	CHH	-0.0193
Gm07	18963821	18964820	Gmdrm	hypo	CHH	-0.1652
Gm07	18964823	18965133	Gmdrm	hypo	CHH	-0.0686
Gm07	18973110	18974090	Gmdrm	hypo	CHH	-0.0211
Gm07	18974115	18975099	Gmdrm	hypo	CHH	-0.0309
Gm07	18976144	18976278	Gmdrm	hypo	CHH	-0.0622
Gm07	18976521	18977491	Gmdrm	hypo	CHH	-0.0338
Gm07	18982547	18983525	Gmdrm	hypo	CHH	-0.0128
Gm07	18983561	18984043	Gmdrm	hypo	CHH	-0.0359
Gm07	18986281	18987243	Gmdrm	hypo	CHH	-0.0127
Gm07	19013980	19014954	Gmdrm	hypo	CHH	-0.039
Gm07	19014983	19015973	Gmdrm	hypo	CHH	-0.0409
Gm07	19022024	19023019	Gmdrm	hypo	CHH	-0.0804
Gm07	19024873	19025553	Gmdrm	hypo	CHH	-0.0277
Gm07	19026025	19027015	Gmdrm	hypo	CHH	-0.2224
Gm07	19053428	19054404	Gmdrm	hypo	CHH	-0.0215
Gm07	19054433	19055433	Gmdrm	hypo	CHH	-0.2068
Gm07	19062066	19063048	Gmdrm	hypo	CHH	-0.0168
Gm07	19069622	19070620	Gmdrm	hypo	CHH	-0.0364
Gm07	19076689	19077683	Gmdrm	hypo	CHH	-0.0205
Gm07	19084886	19085882	Gmdrm	hypo	CHH	-0.0274
Gm07	19085887	19086675	Gmdrm	hypo	CHH	-0.0266
Gm07	19119244	19120097	Gmdrm	hypo	CHH	-0.106
Gm07	19128379	19129377	Gmdrm	hypo	CHH	-0.0782

Gm07	19147395	19148387	Gmdrm	hypo	CHH	-0.0722
Gm07	19154430	19155429	Gmdrm	hypo	CHH	-0.0422
Gm07	19163017	19164016	Gmdrm	hypo	CHH	-0.0549
Gm07	19164020	19164881	Gmdrm	hypo	CHH	-0.044
Gm07	19213549	19214528	Gmdrm	hypo	CHH	-0.0346
Gm07	19283455	19283938	Gmdrm	hypo	CHH	-0.204
Gm07	19284054	19285053	Gmdrm	hypo	CHH	-0.1012
Gm07	19285056	19286046	Gmdrm	hypo	CHH	-0.1767
Gm07	19303180	19304147	Gmdrm	hypo	CHH	-0.1009
Gm07	19304507	19305507	Gmdrm	hypo	CHH	-0.0248
Gm07	19305521	19306515	Gmdrm	hypo	CHH	-0.0346
Gm07	19340977	19341188	Gmdrm	hypo	CHH	-0.0415
Gm07	19358679	19359677	Gmdrm	hypo	CHH	-0.0212
Gm07	19374223	19375214	Gmdrm	hypo	CHH	-0.097
Gm07	19375238	19376231	Gmdrm	hypo	CHH	-0.0216
Gm07	19376245	19377245	Gmdrm	hypo	CHH	-0.05
Gm07	19377250	19378247	Gmdrm	hypo	CHH	-0.0346
Gm07	19378253	19379232	Gmdrm	hypo	CHH	-0.1166
Gm07	19379254	19379838	Gmdrm	hypo	CHH	-0.1444
Gm07	19416996	19417869	Gmdrm	hypo	CHH	-0.0378
Gm07	19422639	19423578	Gmdrm	hypo	CHH	-0.017
Gm07	19459568	19460545	Gmdrm	hypo	CHH	-0.0325
Gm07	19490494	19490919	Gmdrm	hypo	CHH	-0.38
Gm07	19494765	19495752	Gmdrm	hypo	CHH	-0.0487
Gm07	19532806	19533788	Gmdrm	hypo	CHH	-0.0134
Gm07	19534500	19535500	Gmdrm	hypo	CHH	-0.0329
Gm07	19535501	19536498	Gmdrm	hypo	CHH	-0.0539
Gm07	19536515	19537515	Gmdrm	hypo	CHH	-0.0441
Gm07	19553701	19554701	Gmdrm	hypo	CHH	-0.0933
Gm07	19554702	19555387	Gmdrm	hypo	CHH	-0.0927
Gm07	19563595	19564594	Gmdrm	hypo	CHH	-0.0293
Gm07	19566225	19567222	Gmdrm	hypo	CHH	-0.0483
Gm07	19567229	19568229	Gmdrm	hypo	CHH	-0.017
Gm07	19580363	19581344	Gmdrm	hypo	CHH	-0.0156
Gm07	19582381	19583369	Gmdrm	hypo	CHH	-0.073
Gm07	19588450	19589450	Gmdrm	hypo	CHH	-0.0806
Gm07	19597072	19598066	Gmdrm	hypo	CHH	-0.0599
Gm07	19686333	19687331	Gmdrm	hypo	CHH	-0.0301
Gm07	19706651	19707267	Gmdrm	hypo	CHH	-0.0227
Gm07	19708508	19709483	Gmdrm	hypo	CHH	-0.087
Gm07	19796584	19797583	Gmdrm	hypo	CHH	-0.0207
Gm07	19853381	19854364	Gmdrm	hypo	CHH	-0.045
Gm07	19863025	19863745	Gmdrm	hypo	CHH	-0.0806
Gm07	19875968	19876968	Gmdrm	hypo	CHH	-0.0349
Gm07	19876984	19877966	Gmdrm	hypo	CHH	-0.034
Gm07	19877985	19878978	Gmdrm	hypo	CHH	-0.0184

Gm07	19882952	19883929	Gmdrm	hypo	CHH	-0.0337
Gm07	19978443	19979322	Gmdrm	hypo	CHH	-0.016
Gm07	20001434	20002417	Gmdrm	hypo	CHH	-0.0659
Gm07	20007545	20008492	Gmdrm	hypo	CHH	-0.0547
Gm07	20016434	20017434	Gmdrm	hypo	CHH	-0.1937
Gm07	20017435	20018027	Gmdrm	hypo	CHH	-0.0353
Gm07	20062996	20063481	Gmdrm	hypo	CHH	-0.0359
Gm07	20130930	20131868	Gmdrm	hypo	CHH	-0.0129
Gm07	20141334	20142329	Gmdrm	hypo	CHH	-0.0401
Gm07	20142341	20143339	Gmdrm	hypo	CHH	-0.0215
Gm07	20143348	20144219	Gmdrm	hypo	CHH	-0.0211
Gm07	20189606	20189854	Gmdrm	hypo	CHH	-0.1294
Gm07	20231871	20232067	Gmdrm	hypo	CHH	-0.2037
Gm07	20247895	20248876	Gmdrm	hypo	CHH	-0.0383
Gm07	20268701	20269193	Gmdrm	hypo	CHH	-0.018
Gm07	20270328	20271316	Gmdrm	hypo	CHH	-0.0179
Gm07	20276943	20277942	Gmdrm	hypo	CHH	-0.1329
Gm07	20292604	20292992	Gmdrm	hypo	CHH	-0.0376
Gm07	20324140	20325120	Gmdrm	hypo	CHH	-0.0638
Gm07	20421924	20422919	Gmdrm	hypo	CHH	-0.0143
Gm07	20472977	20473169	Gmdrm	hypo	CHH	-0.1518
Gm07	20487886	20487961	Gmdrm	hypo	CHH	-0.0846
Gm07	20501730	20502730	Gmdrm	hypo	CHH	-0.0638
Gm07	20502744	20503097	Gmdrm	hypo	CHH	-0.1158
Gm07	20503430	20504408	Gmdrm	hypo	CHH	-0.0423
Gm07	20514734	20514973	Gmdrm	hypo	CHH	-0.2207
Gm07	20515236	20516234	Gmdrm	hypo	CHH	-0.0592
Gm07	20533482	20534478	Gmdrm	hypo	CHH	-0.0401
Gm07	20542006	20542992	Gmdrm	hypo	CHH	-0.0781
Gm07	20545446	20546426	Gmdrm	hypo	CHH	-0.066
Gm07	20546450	20547430	Gmdrm	hypo	CHH	-0.0287
Gm07	20556038	20557034	Gmdrm	hypo	CHH	-0.0608
Gm07	20562841	20562973	Gmdrm	hypo	CHH	-0.6683
Gm07	20563108	20564078	Gmdrm	hypo	CHH	-0.0908
Gm07	20572008	20572994	Gmdrm	hypo	CHH	-0.0582
Gm07	20573025	20574010	Gmdrm	hypo	CHH	-0.0203
Gm07	20630055	20631021	Gmdrm	hypo	CHH	-0.1128
Gm07	20631064	20632045	Gmdrm	hypo	CHH	-0.0241
Gm07	20677504	20678496	Gmdrm	hypo	CHH	-0.02
Gm07	20678516	20679203	Gmdrm	hypo	CHH	-0.0215
Gm07	20679329	20680325	Gmdrm	hypo	CHH	-0.0171
Gm07	20776027	20777027	Gmdrm	hypo	CHH	-0.0421
Gm07	20790618	20791613	Gmdrm	hypo	CHH	-0.022
Gm07	20791620	20792617	Gmdrm	hypo	CHH	-0.0289
Gm07	20792653	20792947	Gmdrm	hypo	CHH	-0.054
Gm07	20878001	20878975	Gmdrm	hypo	CHH	-0.0975

Gm07	20967748	20968743	Gmdrm	hypo	CHH	-0.0164
Gm07	20968779	20969768	Gmdrm	hypo	CHH	-0.0396
Gm07	20969781	20970748	Gmdrm	hypo	CHH	-0.024
Gm07	20979729	20979891	Gmdrm	hypo	CHH	-0.1418
Gm07	21007910	21008899	Gmdrm	hypo	CHH	-0.1866
Gm07	21008926	21009924	Gmdrm	hypo	CHH	-0.0514
Gm07	21020490	21021450	Gmdrm	hypo	CHH	-0.0467
Gm07	21026646	21027645	Gmdrm	hypo	CHH	-0.0365
Gm07	21174901	21175891	Gmdrm	hypo	CHH	-0.0157
Gm07	21181969	21182886	Gmdrm	hypo	CHH	-0.057
Gm07	21283333	21284325	Gmdrm	hypo	CHH	-0.0512
Gm07	21284334	21285285	Gmdrm	hypo	CHH	-0.1518
Gm07	21296991	21297230	Gmdrm	hypo	CHH	-0.0427
Gm07	21297390	21298384	Gmdrm	hypo	CHH	-0.0211
Gm07	21373618	21374611	Gmdrm	hypo	CHH	-0.0503
Gm07	21387577	21388577	Gmdrm	hypo	CHH	-0.0191
Gm07	21393679	21394621	Gmdrm	hypo	CHH	-0.0142
Gm07	21405152	21406145	Gmdrm	hypo	CHH	-0.0256
Gm07	21407791	21408790	Gmdrm	hypo	CHH	-0.0145
Gm07	21410056	21410951	Gmdrm	hypo	CHH	-0.0961
Gm07	21415527	21415900	Gmdrm	hypo	CHH	-0.1116
Gm07	21416125	21417106	Gmdrm	hypo	CHH	-0.1124
Gm07	21443532	21444184	Gmdrm	hypo	CHH	-0.0234
Gm07	21475768	21476768	Gmdrm	hypo	CHH	-0.0932
Gm07	21476787	21477635	Gmdrm	hypo	CHH	-0.0244
Gm07	21477750	21478718	Gmdrm	hypo	CHH	-0.0296
Gm07	21479799	21480612	Gmdrm	hypo	CHH	-0.0523
Gm07	21481024	21482018	Gmdrm	hypo	CHH	-0.0479
Gm07	21499809	21500806	Gmdrm	hypo	CHH	-0.0205
Gm07	21500810	21501803	Gmdrm	hypo	CHH	-0.0164
Gm07	21520003	21520965	Gmdrm	hypo	CHH	-0.1378
Gm07	21524860	21525854	Gmdrm	hypo	CHH	-0.2236
Gm07	21525870	21526852	Gmdrm	hypo	CHH	-0.0816
Gm07	21529989	21530989	Gmdrm	hypo	CHH	-0.0184
Gm07	21530995	21531964	Gmdrm	hypo	CHH	-0.0518
Gm07	21560457	21561428	Gmdrm	hypo	CHH	-0.0449
Gm07	21563123	21564121	Gmdrm	hypo	CHH	-0.0654
Gm07	21566117	21566705	Gmdrm	hypo	CHH	-0.0389
Gm07	21570529	21571529	Gmdrm	hypo	CHH	-0.0222
Gm07	21571532	21572346	Gmdrm	hypo	CHH	-0.0388
Gm07	21574657	21575157	Gmdrm	hypo	CHH	-0.0282
Gm07	21629865	21630503	Gmdrm	hypo	CHH	-0.0835
Gm07	21630892	21631883	Gmdrm	hypo	CHH	-0.0514
Gm07	21632981	21633954	Gmdrm	hypo	CHH	-0.0152
Gm07	21693843	21694038	Gmdrm	hypo	CHH	-0.0843
Gm07	21790672	21790701	Gmdrm	hypo	CHH	-0.3967

Gm07	22528890	22529884	Gmdrm	hypo	CHH	-0.013
Gm07	22529894	22530891	Gmdrm	hypo	CHH	-0.0309
Gm07	22572070	22572170	Gmdrm	hypo	CHH	-0.215
Gm07	22620211	22621198	Gmdrm	hypo	CHH	-0.0641
Gm07	22762173	22763170	Gmdrm	hypo	CHH	-0.0646
Gm07	22775905	22776883	Gmdrm	hypo	CHH	-0.0632
Gm07	22780244	22781230	Gmdrm	hypo	CHH	-0.0559
Gm07	22781263	22782182	Gmdrm	hypo	CHH	-0.0742
Gm07	22792726	22793726	Gmdrm	hypo	CHH	-0.0779
Gm07	22793730	22794730	Gmdrm	hypo	CHH	-0.0876
Gm07	22796253	22797248	Gmdrm	hypo	CHH	-0.0167
Gm07	22800345	22801316	Gmdrm	hypo	CHH	-0.0253
Gm07	22813941	22814939	Gmdrm	hypo	CHH	-0.0645
Gm07	23144905	23145367	Gmdrm	hypo	CHH	-0.0857
Gm07	23571088	23571358	Gmdrm	hypo	CHH	-0.1353
Gm07	23665774	23666770	Gmdrm	hypo	CHH	-0.0495
Gm07	23671863	23671945	Gmdrm	hypo	CHH	-0.0933
Gm07	23673525	23673609	Gmdrm	hypo	CHH	-0.0283
Gm07	23796013	23796888	Gmdrm	hypo	CHH	-0.0718
Gm07	23799754	23799811	Gmdrm	hypo	CHH	-0.2017
Gm07	23926858	23927033	Gmdrm	hypo	CHH	-0.1482
Gm07	23976223	23977196	Gmdrm	hypo	CHH	-0.0291
Gm07	23977224	23978223	Gmdrm	hypo	CHH	-0.042
Gm07	24068166	24069163	Gmdrm	hypo	CHH	-0.0825
Gm07	24069168	24070166	Gmdrm	hypo	CHH	-0.1419
Gm07	24679300	24680280	Gmdrm	hypo	CHH	-0.0439
Gm07	24707103	24708075	Gmdrm	hypo	CHH	-0.0129
Gm07	25051343	25052330	Gmdrm	hypo	CHH	-0.021
Gm07	25059514	25060513	Gmdrm	hypo	CHH	-0.0367
Gm07	25110307	25110583	Gmdrm	hypo	CHH	-0.0282
Gm07	25320408	25320472	Gmdrm	hypo	CHH	-0.206
Gm07	25457947	25458916	Gmdrm	hypo	CHH	-0.072
Gm07	25465427	25466425	Gmdrm	hypo	CHH	-0.0519
Gm07	25482446	25483441	Gmdrm	hypo	CHH	-0.1577
Gm07	25484456	25485443	Gmdrm	hypo	CHH	-0.1003
Gm07	25683430	25684429	Gmdrm	hypo	CHH	-0.0637
Gm07	25842841	25843490	Gmdrm	hypo	CHH	-0.0209
Gm07	25925803	25926802	Gmdrm	hypo	CHH	-0.0811
Gm07	25926804	25927709	Gmdrm	hypo	CHH	-0.0623
Gm07	26123568	26124558	Gmdrm	hypo	CHH	-0.2082
Gm07	26125338	26126310	Gmdrm	hypo	CHH	-0.1168
Gm07	26127131	26128131	Gmdrm	hypo	CHH	-0.0225
Gm07	26380685	26380815	Gmdrm	hypo	CHH	-0.2278
Gm07	26962587	26962910	Gmdrm	hypo	CHH	-0.1436
Gm07	27067605	27068604	Gmdrm	hypo	CHH	-0.055
Gm07	27112612	27113605	Gmdrm	hypo	CHH	-0.0534

Gm07	27335628	27336623	Gmdrm	hypo	CHH	-0.0211
Gm07	27425966	27426469	Gmdrm	hypo	CHH	-0.0702
Gm07	27426710	27426799	Gmdrm	hypo	CHH	-0.2288
Gm07	27429091	27430091	Gmdrm	hypo	CHH	-0.0474
Gm07	27430106	27431095	Gmdrm	hypo	CHH	-0.0535
Gm07	27496688	27497664	Gmdrm	hypo	CHH	-0.0276
Gm07	27497692	27498691	Gmdrm	hypo	CHH	-0.0139
Gm07	27511507	27512505	Gmdrm	hypo	CHH	-0.0532
Gm07	27696362	27697362	Gmdrm	hypo	CHH	-0.0337
Gm07	27747293	27747723	Gmdrm	hypo	CHH	-0.2118
Gm07	27747825	27748170	Gmdrm	hypo	CHH	-0.0584
Gm07	27749309	27749571	Gmdrm	hypo	CHH	-0.0375
Gm07	27749812	27750270	Gmdrm	hypo	CHH	-0.0374
Gm07	27755282	27755576	Gmdrm	hypo	CHH	-0.0807
Gm07	27792848	27792899	Gmdrm	hypo	CHH	-0.115
Gm07	27865260	27866259	Gmdrm	hypo	CHH	-0.0299
Gm07	27866261	27867260	Gmdrm	hypo	CHH	-0.0377
Gm07	27958910	27959022	Gmdrm	hypo	CHH	-0.157
Gm07	28053800	28054779	Gmdrm	hypo	CHH	-0.0282
Gm07	28061408	28062406	Gmdrm	hypo	CHH	-0.0143
Gm07	28088044	28089028	Gmdrm	hypo	CHH	-0.0428
Gm07	28110133	28111133	Gmdrm	hypo	CHH	-0.0364
Gm07	28176952	28177231	Gmdrm	hypo	CHH	-0.1223
Gm07	28285605	28285750	Gmdrm	hypo	CHH	-0.096
Gm07	28288355	28289353	Gmdrm	hypo	CHH	-0.1916
Gm07	28329996	28330214	Gmdrm	hypo	CHH	-0.1422
Gm07	28489348	28490331	Gmdrm	hypo	CHH	-0.0351
Gm07	28492399	28493395	Gmdrm	hypo	CHH	-0.0251
Gm07	28580567	28581035	Gmdrm	hypo	CHH	-0.0223
Gm07	28647460	28648356	Gmdrm	hypo	CHH	-0.0436
Gm07	28653159	28654157	Gmdrm	hypo	CHH	-0.0427
Gm07	28657844	28658840	Gmdrm	hypo	CHH	-0.0232
Gm07	28661021	28662012	Gmdrm	hypo	CHH	-0.0166
Gm07	28664199	28665118	Gmdrm	hypo	CHH	-0.0253
Gm07	28669095	28670082	Gmdrm	hypo	CHH	-0.0383
Gm07	28674725	28675712	Gmdrm	hypo	CHH	-0.0204
Gm07	28790496	28791079	Gmdrm	hypo	CHH	-0.0672
Gm07	28799014	28800003	Gmdrm	hypo	CHH	-0.0791
Gm07	28801796	28802559	Gmdrm	hypo	CHH	-0.063
Gm07	28891988	28892980	Gmdrm	hypo	CHH	-0.0163
Gm07	29022181	29022319	Gmdrm	hypo	CHH	-0.085
Gm07	29056496	29056937	Gmdrm	hypo	CHH	-0.1405
Gm07	29394681	29395670	Gmdrm	hypo	CHH	-0.031
Gm07	29411526	29412526	Gmdrm	hypo	CHH	-0.1089
Gm07	29454072	29455040	Gmdrm	hypo	CHH	-0.0528
Gm07	29457223	29458222	Gmdrm	hypo	CHH	-0.0192

Gm07	29521243	29522234	Gmdrm	hypo	CHH	-0.0211
Gm07	29525980	29526966	Gmdrm	hypo	CHH	-0.0279
Gm07	29765707	29766703	Gmdrm	hypo	CHH	-0.0588
Gm07	29770359	29771093	Gmdrm	hypo	CHH	-0.0231
Gm07	29773221	29774216	Gmdrm	hypo	CHH	-0.016
Gm07	29790715	29791214	Gmdrm	hypo	CHH	-0.0559
Gm07	29827798	29828797	Gmdrm	hypo	CHH	-0.1187
Gm07	29828811	29829803	Gmdrm	hypo	CHH	-0.0392
Gm07	29829870	29830335	Gmdrm	hypo	CHH	-0.0489
Gm07	29850736	29851732	Gmdrm	hypo	CHH	-0.0499
Gm07	29851737	29852730	Gmdrm	hypo	CHH	-0.0236
Gm07	29853221	29854128	Gmdrm	hypo	CHH	-0.0192
Gm07	29908838	29909818	Gmdrm	hypo	CHH	-0.0291
Gm07	29910871	29911870	Gmdrm	hypo	CHH	-0.0529
Gm07	29911876	29912866	Gmdrm	hypo	CHH	-0.0519
Gm07	29930536	29931120	Gmdrm	hypo	CHH	-0.0382
Gm07	29931557	29932331	Gmdrm	hypo	CHH	-0.0725
Gm07	29932467	29933466	Gmdrm	hypo	CHH	-0.0855
Gm07	29933468	29934449	Gmdrm	hypo	CHH	-0.0256
Gm07	29941244	29942223	Gmdrm	hypo	CHH	-0.0442
Gm07	30077318	30078309	Gmdrm	hypo	CHH	-0.0249
Gm07	30094128	30095126	Gmdrm	hypo	CHH	-0.0648
Gm07	30102365	30103160	Gmdrm	hypo	CHH	-0.1076
Gm07	30104972	30105287	Gmdrm	hypo	CHH	-0.4518
Gm07	30106421	30107410	Gmdrm	hypo	CHH	-0.0218
Gm07	30107422	30108341	Gmdrm	hypo	CHH	-0.0792
Gm07	30113786	30114207	Gmdrm	hypo	CHH	-0.0815
Gm07	30115334	30116321	Gmdrm	hypo	CHH	-0.0319
Gm07	30162898	30163889	Gmdrm	hypo	CHH	-0.0733
Gm07	30183749	30184669	Gmdrm	hypo	CHH	-0.0165
Gm07	30186384	30187383	Gmdrm	hypo	CHH	-0.1289
Gm07	30222268	30222481	Gmdrm	hypo	CHH	-0.055
Gm07	30278891	30279582	Gmdrm	hypo	CHH	-0.0253
Gm07	30306793	30307755	Gmdrm	hypo	CHH	-0.0465
Gm07	30318157	30319153	Gmdrm	hypo	CHH	-0.038
Gm07	30404963	30405961	Gmdrm	hypo	CHH	-0.0811
Gm07	30407000	30408000	Gmdrm	hypo	CHH	-0.0555
Gm07	30408006	30408352	Gmdrm	hypo	CHH	-0.1733
Gm07	30408747	30409746	Gmdrm	hypo	CHH	-0.0217
Gm07	30415452	30416449	Gmdrm	hypo	CHH	-0.0431
Gm07	30419506	30419793	Gmdrm	hypo	CHH	-0.0276
Gm07	30426219	30427202	Gmdrm	hypo	CHH	-0.0539
Gm07	30499679	30500664	Gmdrm	hypo	CHH	-0.0156
Gm07	30500686	30501686	Gmdrm	hypo	CHH	-0.0511
Gm07	30501698	30502696	Gmdrm	hypo	CHH	-0.0732
Gm07	30504750	30505729	Gmdrm	hypo	CHH	-0.103

Gm07	30513646	30514645	Gmdrm	hypo	CHH	-0.1006
Gm07	30516682	30517668	Gmdrm	hypo	CHH	-0.0917
Gm07	30519716	30519891	Gmdrm	hypo	CHH	-0.055
Gm07	30521158	30521268	Gmdrm	hypo	CHH	-0.0614
Gm07	30569759	30569884	Gmdrm	hypo	CHH	-0.075
Gm07	30680599	30681586	Gmdrm	hypo	CHH	-0.0468
Gm07	30686765	30687765	Gmdrm	hypo	CHH	-0.0513
Gm07	30730677	30730732	Gmdrm	hypo	CHH	-0.34
Gm07	30735940	30736936	Gmdrm	hypo	CHH	-0.0583
Gm07	30743022	30744017	Gmdrm	hypo	CHH	-0.0487
Gm07	30744045	30744377	Gmdrm	hypo	CHH	-0.0223
Gm07	30747637	30748630	Gmdrm	hypo	CHH	-0.016
Gm07	30752718	30753709	Gmdrm	hypo	CHH	-0.0129
Gm07	30890635	30891603	Gmdrm	hypo	CHH	-0.0173
Gm07	30902029	30903013	Gmdrm	hypo	CHH	-0.0372
Gm07	30904924	30905864	Gmdrm	hypo	CHH	-0.0134
Gm07	31007643	31008455	Gmdrm	hypo	CHH	-0.0385
Gm07	31014909	31015877	Gmdrm	hypo	CHH	-0.0418
Gm07	31029680	31030272	Gmdrm	hypo	CHH	-0.0342
Gm07	31065045	31065388	Gmdrm	hypo	CHH	-0.0893
Gm07	31067412	31068383	Gmdrm	hypo	CHH	-0.1197
Gm07	31075552	31076549	Gmdrm	hypo	CHH	-0.0138
Gm07	31079975	31080325	Gmdrm	hypo	CHH	-0.0258
Gm07	31081112	31082111	Gmdrm	hypo	CHH	-0.0817
Gm07	31082113	31083107	Gmdrm	hypo	CHH	-0.0506
Gm07	31085131	31085747	Gmdrm	hypo	CHH	-0.0975
Gm07	31135410	31135503	Gmdrm	hypo	CHH	-0.19
Gm07	31159738	31159847	Gmdrm	hypo	CHH	-0.0931
Gm07	31434753	31435753	Gmdrm	hypo	CHH	-0.2238
Gm07	31435754	31436754	Gmdrm	hypo	CHH	-0.1368
Gm07	31436772	31437732	Gmdrm	hypo	CHH	-0.0392
Gm07	31439611	31439973	Gmdrm	hypo	CHH	-0.0383
Gm07	31444376	31444475	Gmdrm	hypo	CHH	-0.0777
Gm07	31446750	31447735	Gmdrm	hypo	CHH	-0.0613
Gm07	31448058	31449036	Gmdrm	hypo	CHH	-0.0145
Gm07	31456481	31456798	Gmdrm	hypo	CHH	-0.0311
Gm07	31456928	31457918	Gmdrm	hypo	CHH	-0.0209
Gm07	31474154	31475114	Gmdrm	hypo	CHH	-0.0343
Gm07	31609877	31610875	Gmdrm	hypo	CHH	-0.0219
Gm07	31610894	31611729	Gmdrm	hypo	CHH	-0.0211
Gm07	31726409	31727409	Gmdrm	hypo	CHH	-0.2344
Gm07	31727410	31727867	Gmdrm	hypo	CHH	-0.4309
Gm07	31728239	31729228	Gmdrm	hypo	CHH	-0.253
Gm07	31729245	31730234	Gmdrm	hypo	CHH	-0.3058
Gm07	31743284	31744283	Gmdrm	hypo	CHH	-0.0778
Gm07	31886470	31887461	Gmdrm	hypo	CHH	-0.0656

Gm07	31897627	31898618	Gmdrm	hypo	CHH	-0.0698
Gm07	31907717	31908705	Gmdrm	hypo	CHH	-0.0537
Gm07	32078256	32079255	Gmdrm	hypo	CHH	-0.0939
Gm07	32085821	32086819	Gmdrm	hypo	CHH	-0.0608
Gm07	32469105	32470097	Gmdrm	hypo	CHH	-0.0298
Gm07	32473396	32474006	Gmdrm	hypo	CHH	-0.0456
Gm07	32474111	32475067	Gmdrm	hypo	CHH	-0.0239
Gm07	32477764	32478763	Gmdrm	hypo	CHH	-0.0175
Gm07	32682909	32683889	Gmdrm	hypo	CHH	-0.0113
Gm07	32708429	32708904	Gmdrm	hypo	CHH	-0.125
Gm07	33251691	33251751	Gmdrm	hypo	CHH	-0.2612
Gm07	33323026	33324015	Gmdrm	hypo	CHH	-0.0253
Gm07	33408282	33409280	Gmdrm	hypo	CHH	-0.0315
Gm07	33436916	33437916	Gmdrm	hypo	CHH	-0.0781
Gm07	33500250	33501239	Gmdrm	hypo	CHH	-0.1963
Gm07	33505923	33506352	Gmdrm	hypo	CHH	-0.0289
Gm07	33514164	33515036	Gmdrm	hypo	CHH	-0.0212
Gm07	33515146	33516136	Gmdrm	hypo	CHH	-0.1021
Gm07	33611891	33612689	Gmdrm	hypo	CHH	-0.037
Gm07	33744134	33744188	Gmdrm	hypo	CHH	-0.0493
Gm07	33809390	33810380	Gmdrm	hypo	CHH	-0.075
Gm07	33846325	33847095	Gmdrm	hypo	CHH	-0.0293
Gm07	33851376	33851830	Gmdrm	hypo	CHH	-0.0279
Gm07	33863040	33864002	Gmdrm	hypo	CHH	-0.0827
Gm07	34169572	34169685	Gmdrm	hypo	CHH	-0.0855
Gm07	34184015	34185004	Gmdrm	hypo	CHH	-0.0559
Gm07	34225193	34226067	Gmdrm	hypo	CHH	-0.034
Gm07	34226173	34227163	Gmdrm	hypo	CHH	-0.0447
Gm07	34230243	34231230	Gmdrm	hypo	CHH	-0.0286
Gm07	34443256	34444251	Gmdrm	hypo	CHH	-0.0283
Gm07	34444257	34444445	Gmdrm	hypo	CHH	-0.1867
Gm07	34446282	34447281	Gmdrm	hypo	CHH	-0.0353
Gm07	34447283	34448282	Gmdrm	hypo	CHH	-0.0488
Gm07	34452021	34453011	Gmdrm	hypo	CHH	-0.0731
Gm07	34478342	34479298	Gmdrm	hypo	CHH	-0.0422
Gm07	34481688	34482684	Gmdrm	hypo	CHH	-0.1483
Gm07	34482690	34483686	Gmdrm	hypo	CHH	-0.0249
Gm07	34484056	34485055	Gmdrm	hypo	CHH	-0.079
Gm07	34485065	34486065	Gmdrm	hypo	CHH	-0.0454
Gm07	34486083	34487075	Gmdrm	hypo	CHH	-0.0385
Gm07	34496633	34497238	Gmdrm	hypo	CHH	-0.0201
Gm07	34529881	34530868	Gmdrm	hypo	CHH	-0.0356
Gm07	34530884	34531579	Gmdrm	hypo	CHH	-0.0224
Gm07	34535574	34536556	Gmdrm	hypo	CHH	-0.0714
Gm07	34537111	34538107	Gmdrm	hypo	CHH	-0.1141
Gm07	34538112	34539085	Gmdrm	hypo	CHH	-0.0312

Gm07	34585781	34586010	Gmdrm	hypo	CHH	-0.2763
Gm07	34590611	34590940	Gmdrm	hypo	CHH	-0.0313
Gm07	34591086	34591334	Gmdrm	hypo	CHH	-0.0334
Gm07	34597710	34598710	Gmdrm	hypo	CHH	-0.0266
Gm07	34604386	34605385	Gmdrm	hypo	CHH	-0.0342
Gm07	34620654	34621575	Gmdrm	hypo	CHH	-0.0355
Gm07	34626088	34627084	Gmdrm	hypo	CHH	-0.0356
Gm07	34647995	34648253	Gmdrm	hypo	CHH	-0.198
Gm07	34667198	34668197	Gmdrm	hypo	CHH	-0.0189
Gm07	34679120	34680119	Gmdrm	hypo	CHH	-0.0094
Gm07	34682587	34683572	Gmdrm	hypo	CHH	-0.0197
Gm07	34683602	34684594	Gmdrm	hypo	CHH	-0.0133
Gm07	34737597	34737777	Gmdrm	hypo	CHH	-0.1512
Gm07	34741058	34742047	Gmdrm	hypo	CHH	-0.0414
Gm07	34792505	34793421	Gmdrm	hypo	CHH	-0.0823
Gm07	34793552	34794527	Gmdrm	hypo	CHH	-0.058
Gm07	34796578	34797561	Gmdrm	hypo	CHH	-0.0439
Gm07	34797592	34798591	Gmdrm	hypo	CHH	-0.1002
Gm07	34798594	34799580	Gmdrm	hypo	CHH	-0.045
Gm07	34800601	34801381	Gmdrm	hypo	CHH	-0.0389
Gm07	34803718	34804708	Gmdrm	hypo	CHH	-0.0613
Gm07	34806824	34807813	Gmdrm	hypo	CHH	-0.0512
Gm07	34830790	34831782	Gmdrm	hypo	CHH	-0.0854
Gm07	34847056	34848043	Gmdrm	hypo	CHH	-0.0801
Gm07	34854345	34855070	Gmdrm	hypo	CHH	-0.0283
Gm07	34866084	34867012	Gmdrm	hypo	CHH	-0.0292
Gm07	34869691	34870468	Gmdrm	hypo	CHH	-0.1011
Gm07	34884781	34885759	Gmdrm	hypo	CHH	-0.0269
Gm07	34885904	34886901	Gmdrm	hypo	CHH	-0.0177
Gm07	34886967	34887836	Gmdrm	hypo	CHH	-0.0377
Gm07	34888712	34889071	Gmdrm	hypo	CHH	-0.1493
Gm07	34906538	34907528	Gmdrm	hypo	CHH	-0.0585
Gm07	34911852	34912814	Gmdrm	hypo	CHH	-0.1426
Gm07	34983321	34984005	Gmdrm	hypo	CHH	-0.0911
Gm07	35022975	35023962	Gmdrm	hypo	CHH	-0.0283
Gm07	35027905	35028905	Gmdrm	hypo	CHH	-0.0914
Gm07	35060831	35061000	Gmdrm	hypo	CHH	-0.0312
Gm07	35061106	35062106	Gmdrm	hypo	CHH	-0.0171
Gm07	35071794	35072793	Gmdrm	hypo	CHH	-0.0901
Gm07	35072807	35073805	Gmdrm	hypo	CHH	-0.0629
Gm07	35246801	35247795	Gmdrm	hypo	CHH	-0.0284
Gm07	35249863	35250549	Gmdrm	hypo	CHH	-0.0295
Gm07	35253779	35254777	Gmdrm	hypo	CHH	-0.0192
Gm07	35255802	35256795	Gmdrm	hypo	CHH	-0.0683
Gm07	35256806	35257804	Gmdrm	hypo	CHH	-0.0295
Gm07	35259820	35260777	Gmdrm	hypo	CHH	-0.0528

Gm07	35266665	35267664	Gmdrm	hypo	CHH	-0.0223
Gm07	35271008	35272003	Gmdrm	hypo	CHH	-0.1238
Gm07	35284361	35285361	Gmdrm	hypo	CHH	-0.0242
Gm07	35291528	35292503	Gmdrm	hypo	CHH	-0.0402
Gm07	35292545	35293539	Gmdrm	hypo	CHH	-0.0423
Gm07	35295467	35296454	Gmdrm	hypo	CHH	-0.1382
Gm07	35296476	35297470	Gmdrm	hypo	CHH	-0.0097
Gm07	35304263	35304894	Gmdrm	hypo	CHH	-0.0596
Gm07	35305482	35306482	Gmdrm	hypo	CHH	-0.0786
Gm07	35306487	35307437	Gmdrm	hypo	CHH	-0.078
Gm07	35307489	35307977	Gmdrm	hypo	CHH	-0.1066
Gm07	35313402	35314394	Gmdrm	hypo	CHH	-0.0516
Gm07	35326924	35327916	Gmdrm	hypo	CHH	-0.0617
Gm07	35341423	35342419	Gmdrm	hypo	CHH	-0.0465
Gm07	35342429	35343404	Gmdrm	hypo	CHH	-0.0162
Gm07	35349303	35350297	Gmdrm	hypo	CHH	-0.0113
Gm07	35350333	35351313	Gmdrm	hypo	CHH	-0.0129
Gm07	35364358	35365356	Gmdrm	hypo	CHH	-0.114
Gm07	35365359	35366358	Gmdrm	hypo	CHH	-0.0484
Gm07	35366362	35367361	Gmdrm	hypo	CHH	-0.0277
Gm07	35368386	35369372	Gmdrm	hypo	CHH	-0.0441
Gm07	35369389	35370387	Gmdrm	hypo	CHH	-0.0614
Gm07	35374862	35375857	Gmdrm	hypo	CHH	-0.1768
Gm07	35375873	35376526	Gmdrm	hypo	CHH	-0.2724
Gm07	35392710	35393068	Gmdrm	hypo	CHH	-0.0336
Gm07	35401008	35401979	Gmdrm	hypo	CHH	-0.0364
Gm07	35414154	35415120	Gmdrm	hypo	CHH	-0.2864
Gm07	35415163	35416125	Gmdrm	hypo	CHH	-0.3728
Gm07	35416269	35417269	Gmdrm	hypo	CHH	-0.1543
Gm07	35417270	35418241	Gmdrm	hypo	CHH	-0.1934
Gm07	35420454	35421436	Gmdrm	hypo	CHH	-0.0178
Gm07	35422466	35423462	Gmdrm	hypo	CHH	-0.0319
Gm07	35431664	35432661	Gmdrm	hypo	CHH	-0.0262
Gm07	35432991	35433991	Gmdrm	hypo	CHH	-0.0824
Gm07	35433997	35434962	Gmdrm	hypo	CHH	-0.1192
Gm07	35435059	35436059	Gmdrm	hypo	CHH	-0.0693
Gm07	35436068	35437067	Gmdrm	hypo	CHH	-0.0758
Gm07	35437070	35438061	Gmdrm	hypo	CHH	-0.0463
Gm07	35443985	35444938	Gmdrm	hypo	CHH	-0.0139
Gm07	35450067	35450945	Gmdrm	hypo	CHH	-0.0139
Gm07	35455374	35456316	Gmdrm	hypo	CHH	-0.1845
Gm07	35457630	35458627	Gmdrm	hypo	CHH	-0.2367
Gm07	35458632	35459619	Gmdrm	hypo	CHH	-0.0627
Gm07	35467875	35468859	Gmdrm	hypo	CHH	-0.0116
Gm07	35475536	35476524	Gmdrm	hypo	CHH	-0.0135
Gm07	35483267	35484234	Gmdrm	hypo	CHH	-0.089

Gm07	35489641	35490637	Gmdrm	hypo	CHH	-0.0414
Gm07	35495205	35496203	Gmdrm	hypo	CHH	-0.0676
Gm07	35496209	35497154	Gmdrm	hypo	CHH	-0.0423
Gm07	35498250	35499242	Gmdrm	hypo	CHH	-0.0709
Gm07	35505272	35506228	Gmdrm	hypo	CHH	-0.0562
Gm07	35506274	35507269	Gmdrm	hypo	CHH	-0.0512
Gm07	35507315	35507716	Gmdrm	hypo	CHH	-0.0503
Gm07	35510328	35511312	Gmdrm	hypo	CHH	-0.0344
Gm07	35529416	35530391	Gmdrm	hypo	CHH	-0.0714
Gm07	35532730	35532813	Gmdrm	hypo	CHH	-0.0357
Gm07	35537457	35538450	Gmdrm	hypo	CHH	-0.0217
Gm07	35586416	35587402	Gmdrm	hypo	CHH	-0.0262
Gm07	35587424	35588413	Gmdrm	hypo	CHH	-0.0395
Gm07	35599524	35600052	Gmdrm	hypo	CHH	-0.0437
Gm07	35608667	35609640	Gmdrm	hypo	CHH	-0.0242
Gm07	35613755	35614753	Gmdrm	hypo	CHH	-0.0253
Gm07	35623344	35623829	Gmdrm	hypo	CHH	-0.042
Gm07	35624125	35624319	Gmdrm	hypo	CHH	-0.12
Gm07	35624420	35625403	Gmdrm	hypo	CHH	-0.4606
Gm07	35632866	35633847	Gmdrm	hypo	CHH	-0.127
Gm07	35633893	35634890	Gmdrm	hypo	CHH	-0.0333
Gm07	35634894	35635890	Gmdrm	hypo	CHH	-0.0578
Gm07	35635896	35636894	Gmdrm	hypo	CHH	-0.0183
Gm07	35636916	35637828	Gmdrm	hypo	CHH	-0.0356
Gm07	35638075	35638959	Gmdrm	hypo	CHH	-0.037
Gm07	35640254	35641243	Gmdrm	hypo	CHH	-0.0494
Gm07	35641260	35642259	Gmdrm	hypo	CHH	-0.0448
Gm07	35643891	35644880	Gmdrm	hypo	CHH	-0.0367
Gm07	35644898	35645873	Gmdrm	hypo	CHH	-0.0406
Gm07	35648760	35649724	Gmdrm	hypo	CHH	-0.0236
Gm07	35650256	35651203	Gmdrm	hypo	CHH	-0.1806
Gm07	35651280	35652235	Gmdrm	hypo	CHH	-0.0942
Gm07	35660294	35661279	Gmdrm	hypo	CHH	-0.0227
Gm07	35667925	35668916	Gmdrm	hypo	CHH	-0.0569
Gm07	35675151	35675734	Gmdrm	hypo	CHH	-0.0283
Gm07	35695897	35696885	Gmdrm	hypo	CHH	-0.0194
Gm07	35713190	35713999	Gmdrm	hypo	CHH	-0.0454
Gm07	35729215	35730212	Gmdrm	hypo	CHH	-0.0942
Gm07	35730217	35731175	Gmdrm	hypo	CHH	-0.0884
Gm07	35733751	35734747	Gmdrm	hypo	CHH	-0.0189
Gm07	35734752	35735750	Gmdrm	hypo	CHH	-0.0441
Gm07	35740992	35741764	Gmdrm	hypo	CHH	-0.0295
Gm07	35745938	35746434	Gmdrm	hypo	CHH	-0.0208
Gm07	35747615	35748600	Gmdrm	hypo	CHH	-0.1423
Gm07	35753028	35754004	Gmdrm	hypo	CHH	-0.0124
Gm07	35758216	35759215	Gmdrm	hypo	CHH	-0.0482

Gm07	35759217	35759636	Gmdrm	hypo	CHH	-0.1847
Gm07	35759860	35760090	Gmdrm	hypo	CHH	-0.1813
Gm07	35760307	35761298	Gmdrm	hypo	CHH	-0.2272
Gm07	35766232	35767209	Gmdrm	hypo	CHH	-0.0137
Gm07	35768268	35769254	Gmdrm	hypo	CHH	-0.0157
Gm07	35779440	35780401	Gmdrm	hypo	CHH	-0.0202
Gm07	35780441	35781203	Gmdrm	hypo	CHH	-0.0405
Gm07	35783885	35783973	Gmdrm	hypo	CHH	-0.072
Gm07	35784141	35785140	Gmdrm	hypo	CHH	-0.0315
Gm07	35785144	35785690	Gmdrm	hypo	CHH	-0.0942
Gm07	35797655	35798644	Gmdrm	hypo	CHH	-0.0247
Gm07	35804368	35805312	Gmdrm	hypo	CHH	-0.0232
Gm07	35813735	35814733	Gmdrm	hypo	CHH	-0.0579
Gm07	35814738	35815734	Gmdrm	hypo	CHH	-0.0948
Gm07	35815739	35816737	Gmdrm	hypo	CHH	-0.0719
Gm07	35816741	35817728	Gmdrm	hypo	CHH	-0.0497
Gm07	35824411	35825404	Gmdrm	hypo	CHH	-0.0155
Gm07	35827421	35828419	Gmdrm	hypo	CHH	-0.0815
Gm07	35828827	35829815	Gmdrm	hypo	CHH	-0.064
Gm07	35829833	35830830	Gmdrm	hypo	CHH	-0.0244
Gm07	35830836	35831188	Gmdrm	hypo	CHH	-0.0589
Gm07	35839067	35840067	Gmdrm	hypo	CHH	-0.0232
Gm07	35847050	35847605	Gmdrm	hypo	CHH	-0.3619
Gm07	35852749	35853139	Gmdrm	hypo	CHH	-0.1377
Gm07	35853288	35854197	Gmdrm	hypo	CHH	-0.0702
Gm07	35854300	35855287	Gmdrm	hypo	CHH	-0.0945
Gm07	35858196	35859196	Gmdrm	hypo	CHH	-0.0623
Gm07	35859198	35860179	Gmdrm	hypo	CHH	-0.108
Gm07	35864792	35865667	Gmdrm	hypo	CHH	-0.2356
Gm07	35865776	35866765	Gmdrm	hypo	CHH	-0.0511
Gm07	35867845	35868386	Gmdrm	hypo	CHH	-0.0673
Gm07	35868752	35869751	Gmdrm	hypo	CHH	-0.1269
Gm07	35869756	35870621	Gmdrm	hypo	CHH	-0.0704
Gm07	35870885	35871634	Gmdrm	hypo	CHH	-0.2385
Gm07	35871737	35872736	Gmdrm	hypo	CHH	-0.0521
Gm07	35876754	35877296	Gmdrm	hypo	CHH	-0.0134
Gm07	35909470	35910443	Gmdrm	hypo	CHH	-0.0388
Gm07	35910483	35911478	Gmdrm	hypo	CHH	-0.0173
Gm07	35927762	35928750	Gmdrm	hypo	CHH	-0.0434
Gm07	35929800	35930798	Gmdrm	hypo	CHH	-0.0134
Gm07	35934574	35935560	Gmdrm	hypo	CHH	-0.0144
Gm07	35940314	35941299	Gmdrm	hypo	CHH	-0.02
Gm07	35943141	35944096	Gmdrm	hypo	CHH	-0.0138
Gm07	35952566	35953561	Gmdrm	hypo	CHH	-0.0493
Gm07	35953579	35954572	Gmdrm	hypo	CHH	-0.0639
Gm07	35964142	35965123	Gmdrm	hypo	CHH	-0.0405

Gm07	35970738	35970806	Gmdrm	hypo	CHH	-0.135
Gm07	35971937	35972873	Gmdrm	hypo	CHH	-0.03
Gm07	35997472	35998457	Gmdrm	hypo	CHH	-0.0692
Gm07	35999730	36000176	Gmdrm	hypo	CHH	-0.0634
Gm07	36001671	36002669	Gmdrm	hypo	CHH	-0.0663
Gm07	36002674	36003666	Gmdrm	hypo	CHH	-0.0503
Gm07	36005709	36006708	Gmdrm	hypo	CHH	-0.2839
Gm07	36006721	36007721	Gmdrm	hypo	CHH	-0.0236
Gm07	36008448	36009446	Gmdrm	hypo	CHH	-0.241
Gm07	36009455	36010451	Gmdrm	hypo	CHH	-0.2217
Gm07	36015333	36015819	Gmdrm	hypo	CHH	-0.0282
Gm07	36017263	36018227	Gmdrm	hypo	CHH	-0.0188
Gm07	36019414	36019520	Gmdrm	hypo	CHH	-0.0372
Gm07	36024176	36025143	Gmdrm	hypo	CHH	-0.0484
Gm07	36035572	36036435	Gmdrm	hypo	CHH	-0.3359
Gm07	36043792	36044782	Gmdrm	hypo	CHH	-0.0325
Gm07	36052565	36053563	Gmdrm	hypo	CHH	-0.0761
Gm07	36053572	36054569	Gmdrm	hypo	CHH	-0.0915
Gm07	36054579	36055554	Gmdrm	hypo	CHH	-0.0776
Gm07	36073693	36074685	Gmdrm	hypo	CHH	-0.0482
Gm07	36074696	36075676	Gmdrm	hypo	CHH	-0.0176
Gm07	36085503	36086503	Gmdrm	hypo	CHH	-0.157
Gm07	36088128	36089128	Gmdrm	hypo	CHH	-0.0214
Gm07	36095576	36096556	Gmdrm	hypo	CHH	-0.0386
Gm07	36097162	36098116	Gmdrm	hypo	CHH	-0.0226
Gm07	36099182	36100180	Gmdrm	hypo	CHH	-0.0371
Gm07	36103617	36104614	Gmdrm	hypo	CHH	-0.0213
Gm07	36104647	36105633	Gmdrm	hypo	CHH	-0.157
Gm07	36109775	36109986	Gmdrm	hypo	CHH	-0.0753
Gm07	36111075	36112075	Gmdrm	hypo	CHH	-0.1911
Gm07	36112079	36113078	Gmdrm	hypo	CHH	-0.1013
Gm07	36113082	36114073	Gmdrm	hypo	CHH	-0.0775
Gm07	36124262	36125232	Gmdrm	hypo	CHH	-0.0179
Gm07	36150614	36150837	Gmdrm	hypo	CHH	-0.0525
Gm07	36169070	36170063	Gmdrm	hypo	CHH	-0.0189
Gm07	36173576	36174572	Gmdrm	hypo	CHH	-0.1038
Gm07	36196327	36197204	Gmdrm	hypo	CHH	-0.028
Gm07	36200644	36201625	Gmdrm	hypo	CHH	-0.3843
Gm07	36205633	36206454	Gmdrm	hypo	CHH	-0.026
Gm07	36217530	36218471	Gmdrm	hypo	CHH	-0.1911
Gm07	36236988	36237986	Gmdrm	hypo	CHH	-0.0583
Gm07	36242015	36243010	Gmdrm	hypo	CHH	-0.0241
Gm07	36250284	36251276	Gmdrm	hypo	CHH	-0.0814
Gm07	36255636	36256244	Gmdrm	hypo	CHH	-0.029
Gm07	36259876	36260874	Gmdrm	hypo	CHH	-0.1055
Gm07	36274076	36275074	Gmdrm	hypo	CHH	-0.0091

Gm07	36276072	36277053	Gmdrm	hypo	CHH	-0.016
Gm07	36277098	36277804	Gmdrm	hypo	CHH	-0.0191
Gm07	36284868	36285845	Gmdrm	hypo	CHH	-0.0294
Gm07	36289338	36290327	Gmdrm	hypo	CHH	-0.038
Gm07	36290760	36291757	Gmdrm	hypo	CHH	-0.1731
Gm07	36291767	36292292	Gmdrm	hypo	CHH	-0.1184
Gm07	36299963	36300962	Gmdrm	hypo	CHH	-0.0359
Gm07	36300964	36301964	Gmdrm	hypo	CHH	-0.02
Gm07	36303172	36304156	Gmdrm	hypo	CHH	-0.0196
Gm07	36316534	36317133	Gmdrm	hypo	CHH	-0.0405
Gm07	36320314	36321287	Gmdrm	hypo	CHH	-0.0641
Gm07	36326270	36327263	Gmdrm	hypo	CHH	-0.0228
Gm07	36336841	36337290	Gmdrm	hypo	CHH	-0.204
Gm07	36337760	36338755	Gmdrm	hypo	CHH	-0.3348
Gm07	36338765	36339747	Gmdrm	hypo	CHH	-0.0611
Gm07	36340784	36341780	Gmdrm	hypo	CHH	-0.0435
Gm07	36345936	36346921	Gmdrm	hypo	CHH	-0.0329
Gm07	36350264	36351263	Gmdrm	hypo	CHH	-0.0126
Gm07	36353791	36354781	Gmdrm	hypo	CHH	-0.206
Gm07	36354857	36355846	Gmdrm	hypo	CHH	-0.049
Gm07	36355888	36356884	Gmdrm	hypo	CHH	-0.0666
Gm07	36356891	36357865	Gmdrm	hypo	CHH	-0.0638
Gm07	36379219	36380218	Gmdrm	hypo	CHH	-0.0585
Gm07	36380225	36380946	Gmdrm	hypo	CHH	-0.2177
Gm07	36389199	36390180	Gmdrm	hypo	CHH	-0.0258
Gm07	36391208	36392208	Gmdrm	hypo	CHH	-0.0527
Gm07	36403110	36403335	Gmdrm	hypo	CHH	-0.0872
Gm07	36403619	36403650	Gmdrm	hypo	CHH	-0.1384
Gm07	36403852	36404505	Gmdrm	hypo	CHH	-0.0458
Gm07	36404874	36405858	Gmdrm	hypo	CHH	-0.0556
Gm07	36432355	36433019	Gmdrm	hypo	CHH	-0.0747
Gm07	36435796	36436792	Gmdrm	hypo	CHH	-0.0257
Gm07	36436798	36437159	Gmdrm	hypo	CHH	-0.1379
Gm07	36437429	36438413	Gmdrm	hypo	CHH	-0.0689
Gm07	36445882	36446872	Gmdrm	hypo	CHH	-0.0146
Gm07	36446885	36447884	Gmdrm	hypo	CHH	-0.0339
Gm07	36447886	36448874	Gmdrm	hypo	CHH	-0.0709
Gm07	36451026	36452024	Gmdrm	hypo	CHH	-0.0155
Gm07	36457264	36457335	Gmdrm	hypo	CHH	-0.07
Gm07	36461395	36462118	Gmdrm	hypo	CHH	-0.0183
Gm07	36462479	36463476	Gmdrm	hypo	CHH	-0.0508
Gm07	36493479	36494150	Gmdrm	hypo	CHH	-0.0215
Gm07	36503880	36504878	Gmdrm	hypo	CHH	-0.0297
Gm07	36505539	36506517	Gmdrm	hypo	CHH	-0.0717
Gm07	36506540	36507524	Gmdrm	hypo	CHH	-0.0495
Gm07	36520224	36520367	Gmdrm	hypo	CHH	-0.2231

Gm07	36520916	36521903	Gmdrm	hypo	CHH	-0.0729
Gm07	36529931	36530931	Gmdrm	hypo	CHH	-0.0296
Gm07	36540475	36541471	Gmdrm	hypo	CHH	-0.0256
Gm07	36547706	36547929	Gmdrm	hypo	CHH	-0.0458
Gm07	36548032	36548154	Gmdrm	hypo	CHH	-0.044
Gm07	36549531	36550493	Gmdrm	hypo	CHH	-0.0814
Gm07	36552296	36553132	Gmdrm	hypo	CHH	-0.1158
Gm07	36555537	36556535	Gmdrm	hypo	CHH	-0.0621
Gm07	36560585	36561423	Gmdrm	hypo	CHH	-0.0412
Gm07	36561525	36562520	Gmdrm	hypo	CHH	-0.0453
Gm07	36566729	36567684	Gmdrm	hypo	CHH	-0.1514
Gm07	36582036	36583035	Gmdrm	hypo	CHH	-0.0874
Gm07	36598448	36599447	Gmdrm	hypo	CHH	-0.035
Gm07	36611720	36612703	Gmdrm	hypo	CHH	-0.0196
Gm07	36614735	36615728	Gmdrm	hypo	CHH	-0.0467
Gm07	36616766	36617765	Gmdrm	hypo	CHH	-0.0245
Gm07	36625620	36626620	Gmdrm	hypo	CHH	-0.0304
Gm07	36626629	36627629	Gmdrm	hypo	CHH	-0.2715
Gm07	36629334	36630323	Gmdrm	hypo	CHH	-0.0215
Gm07	36632871	36633871	Gmdrm	hypo	CHH	-0.0419
Gm07	36650740	36651721	Gmdrm	hypo	CHH	-0.023
Gm07	36651748	36652748	Gmdrm	hypo	CHH	-0.0146
Gm07	36652761	36653757	Gmdrm	hypo	CHH	-0.0652
Gm07	36667051	36668044	Gmdrm	hypo	CHH	-0.0549
Gm07	36668056	36669016	Gmdrm	hypo	CHH	-0.0609
Gm07	36679928	36680900	Gmdrm	hypo	CHH	-0.0255
Gm07	36680969	36681961	Gmdrm	hypo	CHH	-0.0642
Gm07	36681986	36682945	Gmdrm	hypo	CHH	-0.0501
Gm07	36690225	36691222	Gmdrm	hypo	CHH	-0.0206
Gm07	36693245	36694245	Gmdrm	hypo	CHH	-0.0096
Gm07	36710560	36711498	Gmdrm	hypo	CHH	-0.0212
Gm07	36713254	36714107	Gmdrm	hypo	CHH	-0.0309
Gm07	36716578	36717578	Gmdrm	hypo	CHH	-0.0173
Gm07	36719886	36720878	Gmdrm	hypo	CHH	-0.0194
Gm07	36727509	36728472	Gmdrm	hypo	CHH	-0.0277
Gm07	36742341	36743330	Gmdrm	hypo	CHH	-0.0126
Gm07	36752133	36753133	Gmdrm	hypo	CHH	-0.0224
Gm07	36753136	36754130	Gmdrm	hypo	CHH	-0.1348
Gm07	36765364	36766361	Gmdrm	hypo	CHH	-0.0724
Gm07	36766366	36767366	Gmdrm	hypo	CHH	-0.0541
Gm07	36767368	36768355	Gmdrm	hypo	CHH	-0.0498
Gm07	36769553	36770549	Gmdrm	hypo	CHH	-0.0349
Gm07	36770556	36771544	Gmdrm	hypo	CHH	-0.0556
Gm07	36778204	36779204	Gmdrm	hypo	CHH	-0.0534
Gm07	36791963	36792954	Gmdrm	hypo	CHH	-0.0162
Gm07	36792971	36793944	Gmdrm	hypo	CHH	-0.0127

Gm07	36799343	36800339	Gmdrm	hypo	CHH	-0.2089
Gm07	36801361	36802292	Gmdrm	hypo	CHH	-0.0534
Gm07	36802362	36803337	Gmdrm	hypo	CHH	-0.1349
Gm07	36806996	36807985	Gmdrm	hypo	CHH	-0.029
Gm07	36808025	36808707	Gmdrm	hypo	CHH	-0.2035
Gm07	36817103	36818100	Gmdrm	hypo	CHH	-0.0151
Gm07	36825075	36826074	Gmdrm	hypo	CHH	-0.0163
Gm07	36838648	36839644	Gmdrm	hypo	CHH	-0.0452
Gm07	36839650	36840642	Gmdrm	hypo	CHH	-0.0502
Gm07	36844047	36845027	Gmdrm	hypo	CHH	-0.0183
Gm07	36845066	36846037	Gmdrm	hypo	CHH	-0.0132
Gm07	36847034	36848032	Gmdrm	hypo	CHH	-0.0935
Gm07	36848049	36848631	Gmdrm	hypo	CHH	-0.0553
Gm07	36848788	36849781	Gmdrm	hypo	CHH	-0.1366
Gm07	36854395	36855394	Gmdrm	hypo	CHH	-0.0983
Gm07	36855401	36856393	Gmdrm	hypo	CHH	-0.1043
Gm07	36862424	36863324	Gmdrm	hypo	CHH	-0.027
Gm07	36869871	36870855	Gmdrm	hypo	CHH	-0.0337
Gm07	36881780	36882421	Gmdrm	hypo	CHH	-0.0422
Gm07	36885194	36886184	Gmdrm	hypo	CHH	-0.0573
Gm07	36886220	36887217	Gmdrm	hypo	CHH	-0.1745
Gm07	36896552	36897542	Gmdrm	hypo	CHH	-0.0196
Gm07	36897555	36897984	Gmdrm	hypo	CHH	-0.0491
Gm07	36898093	36899089	Gmdrm	hypo	CHH	-0.0707
Gm07	36899116	36900116	Gmdrm	hypo	CHH	-0.0792
Gm07	36902188	36903186	Gmdrm	hypo	CHH	-0.0204
Gm07	36903193	36904193	Gmdrm	hypo	CHH	-0.0267
Gm07	36918040	36919033	Gmdrm	hypo	CHH	-0.2354
Gm07	36923323	36924311	Gmdrm	hypo	CHH	-0.0207
Gm07	36954206	36955203	Gmdrm	hypo	CHH	-0.1377
Gm07	36956224	36957220	Gmdrm	hypo	CHH	-0.049
Gm07	36958226	36959208	Gmdrm	hypo	CHH	-0.0384
Gm07	36965897	36966885	Gmdrm	hypo	CHH	-0.0207
Gm07	36970395	36971389	Gmdrm	hypo	CHH	-0.0283
Gm07	36997496	36998495	Gmdrm	hypo	CHH	-0.152
Gm07	36998513	36999508	Gmdrm	hypo	CHH	-0.0566
Gm07	37011282	37012280	Gmdrm	hypo	CHH	-0.0993
Gm07	37012322	37013293	Gmdrm	hypo	CHH	-0.0584
Gm07	37023241	37024231	Gmdrm	hypo	CHH	-0.0471
Gm07	37026210	37027206	Gmdrm	hypo	CHH	-0.0209
Gm07	37034473	37035471	Gmdrm	hypo	CHH	-0.0645
Gm07	37035474	37036469	Gmdrm	hypo	CHH	-0.1003
Gm07	37037493	37038493	Gmdrm	hypo	CHH	-0.0182
Gm07	37044814	37045808	Gmdrm	hypo	CHH	-0.2346
Gm07	37048748	37049713	Gmdrm	hypo	CHH	-0.2065
Gm07	37052142	37053140	Gmdrm	hypo	CHH	-0.3168

Gm07	37053145	37053432	Gmdrm	hypo	CHH	-0.0458
Gm07	37055597	37056594	Gmdrm	hypo	CHH	-0.0756
Gm07	37057085	37058070	Gmdrm	hypo	CHH	-0.0265
Gm07	37066163	37067160	Gmdrm	hypo	CHH	-0.0146
Gm07	37067170	37068164	Gmdrm	hypo	CHH	-0.0437
Gm07	37068206	37069196	Gmdrm	hypo	CHH	-0.0335
Gm07	37089201	37090192	Gmdrm	hypo	CHH	-0.1237
Gm07	37110154	37111141	Gmdrm	hypo	CHH	-0.0314
Gm07	37111496	37112495	Gmdrm	hypo	CHH	-0.0664
Gm07	37112497	37113497	Gmdrm	hypo	CHH	-0.0486
Gm07	37125551	37126551	Gmdrm	hypo	CHH	-0.0493
Gm07	37127113	37128110	Gmdrm	hypo	CHH	-0.1238
Gm07	37128114	37128233	Gmdrm	hypo	CHH	-0.0633
Gm07	37128339	37129339	Gmdrm	hypo	CHH	-0.0105
Gm07	37129382	37130362	Gmdrm	hypo	CHH	-0.0301
Gm07	37138186	37139176	Gmdrm	hypo	CHH	-0.0127
Gm07	37140572	37141209	Gmdrm	hypo	CHH	-0.0223
Gm07	37149037	37150016	Gmdrm	hypo	CHH	-0.0137
Gm07	37153787	37154778	Gmdrm	hypo	CHH	-0.0105
Gm07	37172392	37173387	Gmdrm	hypo	CHH	-0.0524
Gm07	37183047	37184045	Gmdrm	hypo	CHH	-0.0391
Gm07	37184049	37184936	Gmdrm	hypo	CHH	-0.0302
Gm07	37188423	37189385	Gmdrm	hypo	CHH	-0.067
Gm07	37206720	37207718	Gmdrm	hypo	CHH	-0.2244
Gm07	37207723	37207938	Gmdrm	hypo	CHH	-0.1342
Gm07	37208110	37209092	Gmdrm	hypo	CHH	-0.066
Gm07	37210131	37211130	Gmdrm	hypo	CHH	-0.035
Gm07	37216740	37217716	Gmdrm	hypo	CHH	-0.0145
Gm07	37221839	37221926	Gmdrm	hypo	CHH	-0.072
Gm07	37223937	37224933	Gmdrm	hypo	CHH	-0.1408
Gm07	37224938	37225387	Gmdrm	hypo	CHH	-0.1684
Gm07	37229602	37230597	Gmdrm	hypo	CHH	-0.0491
Gm07	37230607	37230923	Gmdrm	hypo	CHH	-0.0842
Gm07	37240683	37241666	Gmdrm	hypo	CHH	-0.0246
Gm07	37242791	37243777	Gmdrm	hypo	CHH	-0.0437
Gm07	37246325	37247127	Gmdrm	hypo	CHH	-0.0298
Gm07	37248995	37249993	Gmdrm	hypo	CHH	-0.0695
Gm07	37250004	37250163	Gmdrm	hypo	CHH	-0.0767
Gm07	37251410	37252407	Gmdrm	hypo	CHH	-0.0148
Gm07	37252414	37253414	Gmdrm	hypo	CHH	-0.0133
Gm07	37265115	37266092	Gmdrm	hypo	CHH	-0.0293
Gm07	37266148	37267136	Gmdrm	hypo	CHH	-0.0629
Gm07	37267150	37268145	Gmdrm	hypo	CHH	-0.0721
Gm07	37270658	37271641	Gmdrm	hypo	CHH	-0.0109
Gm07	37272604	37273569	Gmdrm	hypo	CHH	-0.1386
Gm07	37275635	37276631	Gmdrm	hypo	CHH	-0.0177

Gm07	37276797	37277769	Gmdrm	hypo	CHH	-0.0227
Gm07	37277951	37278933	Gmdrm	hypo	CHH	-0.0809
Gm07	37281480	37282464	Gmdrm	hypo	CHH	-0.0161
Gm07	37288337	37289333	Gmdrm	hypo	CHH	-0.1053
Gm07	37291489	37292481	Gmdrm	hypo	CHH	-0.1078
Gm07	37297683	37298672	Gmdrm	hypo	CHH	-0.1277
Gm07	37298703	37299698	Gmdrm	hypo	CHH	-0.0156
Gm07	37308466	37309249	Gmdrm	hypo	CHH	-0.0324
Gm07	37330302	37331299	Gmdrm	hypo	CHH	-0.2145
Gm07	37337696	37338689	Gmdrm	hypo	CHH	-0.0155
Gm07	37349345	37350343	Gmdrm	hypo	CHH	-0.1178
Gm07	37350348	37351348	Gmdrm	hypo	CHH	-0.0643
Gm07	37352873	37353746	Gmdrm	hypo	CHH	-0.0186
Gm07	37361593	37362587	Gmdrm	hypo	CHH	-0.0163
Gm07	37365010	37366010	Gmdrm	hypo	CHH	-0.0896
Gm07	37366015	37366860	Gmdrm	hypo	CHH	-0.181
Gm07	37376952	37377860	Gmdrm	hypo	CHH	-0.0134
Gm07	37380181	37381163	Gmdrm	hypo	CHH	-0.0209
Gm07	37381186	37382140	Gmdrm	hypo	CHH	-0.0145
Gm07	37386379	37387376	Gmdrm	hypo	CHH	-0.0533
Gm07	37387389	37388389	Gmdrm	hypo	CHH	-0.0576
Gm07	37388391	37389376	Gmdrm	hypo	CHH	-0.0402
Gm07	37389392	37390389	Gmdrm	hypo	CHH	-0.0444
Gm07	37390393	37391382	Gmdrm	hypo	CHH	-0.0874
Gm07	37392401	37392869	Gmdrm	hypo	CHH	-0.0242
Gm07	37393987	37394472	Gmdrm	hypo	CHH	-0.043
Gm07	37399540	37400329	Gmdrm	hypo	CHH	-0.0191
Gm07	37403110	37404102	Gmdrm	hypo	CHH	-0.0631
Gm07	37422496	37423441	Gmdrm	hypo	CHH	-0.016
Gm07	37442347	37443215	Gmdrm	hypo	CHH	-0.1432
Gm07	37458905	37459736	Gmdrm	hypo	CHH	-0.0211
Gm07	37463057	37464055	Gmdrm	hypo	CHH	-0.0171
Gm07	37467163	37468162	Gmdrm	hypo	CHH	-0.0519
Gm07	37471199	37472146	Gmdrm	hypo	CHH	-0.0985
Gm07	37472256	37473254	Gmdrm	hypo	CHH	-0.3174
Gm07	37478222	37479218	Gmdrm	hypo	CHH	-0.0597
Gm07	37479232	37480224	Gmdrm	hypo	CHH	-0.0809
Gm07	37480236	37481233	Gmdrm	hypo	CHH	-0.0957
Gm07	37481259	37482259	Gmdrm	hypo	CHH	-0.0549
Gm07	37484283	37485277	Gmdrm	hypo	CHH	-0.0385
Gm07	37491533	37492528	Gmdrm	hypo	CHH	-0.0999
Gm07	37492538	37493504	Gmdrm	hypo	CHH	-0.3824
Gm07	37500825	37501816	Gmdrm	hypo	CHH	-0.2274
Gm07	37501829	37502828	Gmdrm	hypo	CHH	-0.2741
Gm07	37505428	37506428	Gmdrm	hypo	CHH	-0.0912
Gm07	37506433	37507426	Gmdrm	hypo	CHH	-0.0408

Gm07	37510455	37511431	Gmdrm	hypo	CHH	-0.0901
Gm07	37512344	37512952	Gmdrm	hypo	CHH	-0.0381
Gm07	37520581	37521573	Gmdrm	hypo	CHH	-0.0437
Gm07	37521588	37522586	Gmdrm	hypo	CHH	-0.0295
Gm07	37523601	37524595	Gmdrm	hypo	CHH	-0.0154
Gm07	37527394	37528391	Gmdrm	hypo	CHH	-0.0907
Gm07	37528400	37528793	Gmdrm	hypo	CHH	-0.0937
Gm07	37538240	37539230	Gmdrm	hypo	CHH	-0.0142
Gm07	37539244	37540130	Gmdrm	hypo	CHH	-0.0303
Gm07	37545283	37546282	Gmdrm	hypo	CHH	-0.0235
Gm07	37551764	37552761	Gmdrm	hypo	CHH	-0.0126
Gm07	37555636	37556623	Gmdrm	hypo	CHH	-0.0393
Gm07	37556646	37557636	Gmdrm	hypo	CHH	-0.0403
Gm07	37557658	37558656	Gmdrm	hypo	CHH	-0.0131
Gm07	37572888	37573540	Gmdrm	hypo	CHH	-0.0169
Gm07	37576870	37577861	Gmdrm	hypo	CHH	-0.0129
Gm07	37580718	37581708	Gmdrm	hypo	CHH	-0.0507
Gm07	37581733	37582717	Gmdrm	hypo	CHH	-0.0876
Gm07	37592903	37593020	Gmdrm	hypo	CHH	-0.056
Gm07	37593123	37594092	Gmdrm	hypo	CHH	-0.0455
Gm07	37613214	37614201	Gmdrm	hypo	CHH	-0.0268
Gm07	37624534	37625292	Gmdrm	hypo	CHH	-0.0664
Gm07	37631220	37632215	Gmdrm	hypo	CHH	-0.0397
Gm07	37632847	37633802	Gmdrm	hypo	CHH	-0.0135
Gm07	37650314	37650589	Gmdrm	hypo	CHH	-0.1033
Gm07	37659529	37660529	Gmdrm	hypo	CHH	-0.0182
Gm07	37680321	37681319	Gmdrm	hypo	CHH	-0.0892
Gm07	37683528	37684499	Gmdrm	hypo	CHH	-0.0225
Gm07	37685769	37686544	Gmdrm	hypo	CHH	-0.0486
Gm07	37697789	37698788	Gmdrm	hypo	CHH	-0.0273
Gm07	37698796	37699794	Gmdrm	hypo	CHH	-0.0265
Gm07	37700817	37701815	Gmdrm	hypo	CHH	-0.2796
Gm07	37701825	37702179	Gmdrm	hypo	CHH	-0.38
Gm07	37704847	37705847	Gmdrm	hypo	CHH	-0.0143
Gm07	37710873	37711873	Gmdrm	hypo	CHH	-0.1477
Gm07	37711882	37712880	Gmdrm	hypo	CHH	-0.0544
Gm07	37722719	37723708	Gmdrm	hypo	CHH	-0.0686
Gm07	37731287	37732276	Gmdrm	hypo	CHH	-0.0163
Gm07	37732310	37732996	Gmdrm	hypo	CHH	-0.3329
Gm07	37739576	37739950	Gmdrm	hypo	CHH	-0.0325
Gm07	37740925	37741360	Gmdrm	hypo	CHH	-0.0783
Gm07	37741726	37741998	Gmdrm	hypo	CHH	-0.1217
Gm07	37744192	37745145	Gmdrm	hypo	CHH	-0.1187
Gm07	37749219	37750219	Gmdrm	hypo	CHH	-0.0226
Gm07	37754519	37755519	Gmdrm	hypo	CHH	-0.0582
Gm07	37758548	37759538	Gmdrm	hypo	CHH	-0.0418

Gm07	37761564	37762014	Gmdrm	hypo	CHH	-0.1255
Gm07	37762537	37763537	Gmdrm	hypo	CHH	-0.0117
Gm07	37770135	37771130	Gmdrm	hypo	CHH	-0.1443
Gm07	37771147	37771499	Gmdrm	hypo	CHH	-0.2447
Gm07	37775237	37775872	Gmdrm	hypo	CHH	-0.0374
Gm07	37782037	37782754	Gmdrm	hypo	CHH	-0.0462
Gm07	37783227	37784201	Gmdrm	hypo	CHH	-0.0316
Gm07	37785628	37785893	Gmdrm	hypo	CHH	-0.0294
Gm07	37813490	37814489	Gmdrm	hypo	CHH	-0.0352
Gm07	37820680	37821018	Gmdrm	hypo	CHH	-0.1025
Gm07	37821199	37822082	Gmdrm	hypo	CHH	-0.0853
Gm07	37822727	37822803	Gmdrm	hypo	CHH	-0.17
Gm07	37841543	37841810	Gmdrm	hypo	CHH	-0.09
Gm07	37842330	37843278	Gmdrm	hypo	CHH	-0.0461
Gm07	37849031	37850010	Gmdrm	hypo	CHH	-0.0466
Gm07	37850045	37851030	Gmdrm	hypo	CHH	-0.0088
Gm07	37860062	37861051	Gmdrm	hypo	CHH	-0.0136
Gm07	37862983	37863981	Gmdrm	hypo	CHH	-0.053
Gm07	37871943	37872662	Gmdrm	hypo	CHH	-0.1933
Gm07	37896615	37897612	Gmdrm	hypo	CHH	-0.1205
Gm07	37902866	37903860	Gmdrm	hypo	CHH	-0.0458
Gm07	37913774	37914408	Gmdrm	hypo	CHH	-0.0424
Gm07	37923240	37924230	Gmdrm	hypo	CHH	-0.0735
Gm07	37931433	37932424	Gmdrm	hypo	CHH	-0.0188
Gm07	37945210	37945399	Gmdrm	hypo	CHH	-0.0392
Gm07	37952165	37952825	Gmdrm	hypo	CHH	-0.133
Gm07	37955726	37956726	Gmdrm	hypo	CHH	-0.079
Gm07	37956743	37957734	Gmdrm	hypo	CHH	-0.068
Gm07	37958750	37959522	Gmdrm	hypo	CHH	-0.0185
Gm07	37959832	37960803	Gmdrm	hypo	CHH	-0.0291
Gm07	37966193	37967192	Gmdrm	hypo	CHH	-0.228
Gm07	37967200	37968081	Gmdrm	hypo	CHH	-0.2047
Gm07	37968260	37968753	Gmdrm	hypo	CHH	-0.2969
Gm07	37969545	37970488	Gmdrm	hypo	CHH	-0.0224
Gm07	37972099	37972605	Gmdrm	hypo	CHH	-0.02
Gm07	37975617	37976599	Gmdrm	hypo	CHH	-0.0899
Gm07	37979077	37980070	Gmdrm	hypo	CHH	-0.0317
Gm07	37980128	37981104	Gmdrm	hypo	CHH	-0.0225
Gm07	37996488	37997474	Gmdrm	hypo	CHH	-0.0235
Gm07	37999561	38000111	Gmdrm	hypo	CHH	-0.0193
Gm07	38011328	38011725	Gmdrm	hypo	CHH	-0.0432
Gm07	38027427	38028352	Gmdrm	hypo	CHH	-0.1901
Gm07	38028762	38028954	Gmdrm	hypo	CHH	-0.0354
Gm07	38053284	38054265	Gmdrm	hypo	CHH	-0.0568
Gm07	38059899	38060899	Gmdrm	hypo	CHH	-0.0302
Gm07	38071794	38072748	Gmdrm	hypo	CHH	-0.0502

Gm07	38074242	38074359	Gmdrm	hypo	CHH	-0.042
Gm07	38075479	38076460	Gmdrm	hypo	CHH	-0.0797
Gm07	38081504	38082481	Gmdrm	hypo	CHH	-0.0852
Gm07	38084540	38085534	Gmdrm	hypo	CHH	-0.0224
Gm07	38089803	38090792	Gmdrm	hypo	CHH	-0.0127
Gm07	38090804	38091768	Gmdrm	hypo	CHH	-0.1013
Gm07	38091834	38091967	Gmdrm	hypo	CHH	-0.0473
Gm07	38107835	38108348	Gmdrm	hypo	CHH	-0.0578
Gm07	38109743	38110739	Gmdrm	hypo	CHH	-0.0943
Gm07	38110744	38111738	Gmdrm	hypo	CHH	-0.0376
Gm07	38111750	38112684	Gmdrm	hypo	CHH	-0.0183
Gm07	38117871	38118871	Gmdrm	hypo	CHH	-0.066
Gm07	38118874	38119849	Gmdrm	hypo	CHH	-0.1045
Gm07	38124392	38124968	Gmdrm	hypo	CHH	-0.0209
Gm07	38128023	38128379	Gmdrm	hypo	CHH	-0.0475
Gm07	38144871	38145871	Gmdrm	hypo	CHH	-0.0462
Gm07	38145874	38145967	Gmdrm	hypo	CHH	-0.2508
Gm07	38160757	38161635	Gmdrm	hypo	CHH	-0.0509
Gm07	38166387	38167381	Gmdrm	hypo	CHH	-0.0157
Gm07	38168560	38169330	Gmdrm	hypo	CHH	-0.0361
Gm07	38195147	38196145	Gmdrm	hypo	CHH	-0.0333
Gm07	38203013	38203935	Gmdrm	hypo	CHH	-0.1761
Gm07	38213404	38213619	Gmdrm	hypo	CHH	-0.031
Gm07	38231305	38232304	Gmdrm	hypo	CHH	-0.222
Gm07	38240008	38240741	Gmdrm	hypo	CHH	-0.0151
Gm07	38241202	38242191	Gmdrm	hypo	CHH	-0.0837
Gm07	38246128	38247117	Gmdrm	hypo	CHH	-0.0197
Gm07	38250982	38251950	Gmdrm	hypo	CHH	-0.0243
Gm07	38252950	38253924	Gmdrm	hypo	CHH	-0.0157
Gm07	38255094	38255308	Gmdrm	hypo	CHH	-0.07
Gm07	38257449	38258432	Gmdrm	hypo	CHH	-0.0603
Gm07	38266692	38267116	Gmdrm	hypo	CHH	-0.0259
Gm07	38267219	38268216	Gmdrm	hypo	CHH	-0.0932
Gm07	38269163	38269872	Gmdrm	hypo	CHH	-0.015
Gm07	38275836	38275948	Gmdrm	hypo	CHH	-0.1486
Gm07	38277217	38277559	Gmdrm	hypo	CHH	-0.0298
Gm07	38340810	38341476	Gmdrm	hypo	CHH	-0.0287
Gm07	38344309	38345291	Gmdrm	hypo	CHH	-0.0134
Gm07	38366789	38367416	Gmdrm	hypo	CHH	-0.0702
Gm07	38369407	38370243	Gmdrm	hypo	CHH	-0.0224
Gm07	38370344	38371294	Gmdrm	hypo	CHH	-0.0152
Gm07	38371348	38372342	Gmdrm	hypo	CHH	-0.0234
Gm07	38379063	38380057	Gmdrm	hypo	CHH	-0.036
Gm07	38381063	38381737	Gmdrm	hypo	CHH	-0.0923
Gm07	38393904	38394030	Gmdrm	hypo	CHH	-0.1188
Gm07	38399394	38400102	Gmdrm	hypo	CHH	-0.0712

Gm07	38401942	38402818	Gmdrm	hypo	CHH	-0.0169
Gm07	38402965	38403926	Gmdrm	hypo	CHH	-0.0173
Gm07	38415412	38415466	Gmdrm	hypo	CHH	-0.097
Gm07	38445573	38445765	Gmdrm	hypo	CHH	-0.04
Gm07	38452650	38453619	Gmdrm	hypo	CHH	-0.0393
Gm07	38480864	38481845	Gmdrm	hypo	CHH	-0.1269
Gm07	38513105	38513693	Gmdrm	hypo	CHH	-0.1454
Gm07	38513857	38514826	Gmdrm	hypo	CHH	-0.1122
Gm07	38522415	38522985	Gmdrm	hypo	CHH	-0.2433
Gm07	38528474	38529461	Gmdrm	hypo	CHH	-0.0517
Gm07	38545134	38546132	Gmdrm	hypo	CHH	-0.0961
Gm07	38553680	38554680	Gmdrm	hypo	CHH	-0.0702
Gm07	38554684	38555680	Gmdrm	hypo	CHH	-0.1775
Gm07	38557782	38558146	Gmdrm	hypo	CHH	-0.103
Gm07	38558285	38559283	Gmdrm	hypo	CHH	-0.0604
Gm07	38572907	38573028	Gmdrm	hypo	CHH	-0.2358
Gm07	38573666	38573901	Gmdrm	hypo	CHH	-0.03
Gm07	38582439	38583430	Gmdrm	hypo	CHH	-0.0857
Gm07	38583440	38584436	Gmdrm	hypo	CHH	-0.0467
Gm07	38584449	38585438	Gmdrm	hypo	CHH	-0.0183
Gm07	38599171	38599474	Gmdrm	hypo	CHH	-0.0244
Gm07	38599782	38600271	Gmdrm	hypo	CHH	-0.055
Gm07	38608104	38608356	Gmdrm	hypo	CHH	-0.2141
Gm07	38612214	38613210	Gmdrm	hypo	CHH	-0.0339
Gm07	38638430	38638581	Gmdrm	hypo	CHH	-0.0214
Gm07	38651536	38652532	Gmdrm	hypo	CHH	-0.1812
Gm07	38659220	38659778	Gmdrm	hypo	CHH	-0.02
Gm07	38667545	38668513	Gmdrm	hypo	CHH	-0.0206
Gm07	38679841	38680823	Gmdrm	hypo	CHH	-0.0503
Gm07	38681435	38682434	Gmdrm	hypo	CHH	-0.0226
Gm07	38704206	38704414	Gmdrm	hypo	CHH	-0.0324
Gm07	38706627	38707627	Gmdrm	hypo	CHH	-0.0232
Gm07	38708650	38709649	Gmdrm	hypo	CHH	-0.1185
Gm07	38709651	38710344	Gmdrm	hypo	CHH	-0.1447
Gm07	38718467	38719433	Gmdrm	hypo	CHH	-0.0386
Gm07	38719489	38720358	Gmdrm	hypo	CHH	-0.0397
Gm07	38760613	38761602	Gmdrm	hypo	CHH	-0.0186
Gm07	38765120	38765516	Gmdrm	hypo	CHH	-0.0574
Gm07	38765873	38766868	Gmdrm	hypo	CHH	-0.2822
Gm07	38772989	38773974	Gmdrm	hypo	CHH	-0.2425
Gm07	38776236	38777235	Gmdrm	hypo	CHH	-0.1286
Gm07	38777238	38778235	Gmdrm	hypo	CHH	-0.0975
Gm07	38778241	38778671	Gmdrm	hypo	CHH	-0.1718
Gm07	38801788	38802787	Gmdrm	hypo	CHH	-0.0527
Gm07	38808502	38809486	Gmdrm	hypo	CHH	-0.0143
Gm07	38813136	38814135	Gmdrm	hypo	CHH	-0.0191

Gm07	38820752	38821735	Gmdrm	hypo	CHH	-0.0201
Gm07	38844411	38845411	Gmdrm	hypo	CHH	-0.0349
Gm07	38845419	38846410	Gmdrm	hypo	CHH	-0.0319
Gm07	38852623	38853616	Gmdrm	hypo	CHH	-0.0118
Gm07	38854699	38855692	Gmdrm	hypo	CHH	-0.0283
Gm07	38859635	38860591	Gmdrm	hypo	CHH	-0.019
Gm07	38867546	38868518	Gmdrm	hypo	CHH	-0.1692
Gm07	38878609	38879224	Gmdrm	hypo	CHH	-0.1015
Gm07	38891085	38891170	Gmdrm	hypo	CHH	-0.5375
Gm07	38894770	38895702	Gmdrm	hypo	CHH	-0.0165
Gm07	38898004	38898269	Gmdrm	hypo	CHH	-0.0529
Gm07	38898407	38899384	Gmdrm	hypo	CHH	-0.059
Gm07	38908149	38909146	Gmdrm	hypo	CHH	-0.0326
Gm07	38910168	38911166	Gmdrm	hypo	CHH	-0.137
Gm07	38911204	38912204	Gmdrm	hypo	CHH	-0.075
Gm07	38912211	38913209	Gmdrm	hypo	CHH	-0.0548
Gm07	38914221	38914590	Gmdrm	hypo	CHH	-0.0408
Gm07	38918564	38919032	Gmdrm	hypo	CHH	-0.0538
Gm07	38919138	38920105	Gmdrm	hypo	CHH	-0.0188
Gm07	38928871	38929851	Gmdrm	hypo	CHH	-0.0476
Gm07	38939561	38940550	Gmdrm	hypo	CHH	-0.0374
Gm07	38942445	38943424	Gmdrm	hypo	CHH	-0.0414
Gm07	38947474	38947654	Gmdrm	hypo	CHH	-0.1113
Gm07	38947760	38948758	Gmdrm	hypo	CHH	-0.0744
Gm07	38952738	38953737	Gmdrm	hypo	CHH	-0.1771
Gm07	38955859	38956844	Gmdrm	hypo	CHH	-0.1378
Gm07	38958432	38959407	Gmdrm	hypo	CHH	-0.1304
Gm07	38964707	38965377	Gmdrm	hypo	CHH	-0.4847
Gm07	38965548	38966545	Gmdrm	hypo	CHH	-0.0826
Gm07	38973932	38974530	Gmdrm	hypo	CHH	-0.0224
Gm07	38974652	38975651	Gmdrm	hypo	CHH	-0.1101
Gm07	38976011	38977008	Gmdrm	hypo	CHH	-0.055
Gm07	38977016	38978015	Gmdrm	hypo	CHH	-0.1635
Gm07	38978018	38979013	Gmdrm	hypo	CHH	-0.174
Gm07	38979025	38980021	Gmdrm	hypo	CHH	-0.1324
Gm07	38980037	38981001	Gmdrm	hypo	CHH	-0.1204
Gm07	38981049	38982044	Gmdrm	hypo	CHH	-0.0639
Gm07	38982055	38983055	Gmdrm	hypo	CHH	-0.0625
Gm07	38983056	38983250	Gmdrm	hypo	CHH	-0.0633
Gm07	38989396	38989978	Gmdrm	hypo	CHH	-0.0303
Gm07	39010138	39011125	Gmdrm	hypo	CHH	-0.0369
Gm07	39011143	39011803	Gmdrm	hypo	CHH	-0.0695
Gm07	39012045	39013033	Gmdrm	hypo	CHH	-0.038
Gm07	39028171	39029171	Gmdrm	hypo	CHH	-0.0284
Gm07	39029173	39029785	Gmdrm	hypo	CHH	-0.0292
Gm07	39029991	39030012	Gmdrm	hypo	CHH	-0.17

Gm07	39037060	39038051	Gmdrm	hypo	CHH	-0.0135
Gm07	39042663	39043488	Gmdrm	hypo	CHH	-0.03
Gm07	39057563	39058553	Gmdrm	hypo	CHH	-0.0806
Gm07	39068410	39069370	Gmdrm	hypo	CHH	-0.0269
Gm07	39073985	39074982	Gmdrm	hypo	CHH	-0.1429
Gm07	39079089	39080080	Gmdrm	hypo	CHH	-0.0154
Gm07	39086342	39087341	Gmdrm	hypo	CHH	-0.0514
Gm07	39087354	39088353	Gmdrm	hypo	CHH	-0.0886
Gm07	39088985	39089985	Gmdrm	hypo	CHH	-0.0439
Gm07	39089994	39090684	Gmdrm	hypo	CHH	-0.1735
Gm07	39103166	39104161	Gmdrm	hypo	CHH	-0.0434
Gm07	39111227	39112222	Gmdrm	hypo	CHH	-0.0166
Gm07	39113267	39114267	Gmdrm	hypo	CHH	-0.1264
Gm07	39114268	39115249	Gmdrm	hypo	CHH	-0.1184
Gm07	39116287	39117280	Gmdrm	hypo	CHH	-0.1916
Gm07	39117292	39118290	Gmdrm	hypo	CHH	-0.1938
Gm07	39121386	39122385	Gmdrm	hypo	CHH	-0.07
Gm07	39122399	39123379	Gmdrm	hypo	CHH	-0.0276
Gm07	39125571	39126520	Gmdrm	hypo	CHH	-0.0248
Gm07	39129304	39130304	Gmdrm	hypo	CHH	-0.0797
Gm07	39130305	39131297	Gmdrm	hypo	CHH	-0.1234
Gm07	39141926	39142878	Gmdrm	hypo	CHH	-0.0636
Gm07	39142953	39143563	Gmdrm	hypo	CHH	-0.0481
Gm07	39143782	39144771	Gmdrm	hypo	CHH	-0.0449
Gm07	39144788	39145768	Gmdrm	hypo	CHH	-0.0277
Gm07	39148388	39148663	Gmdrm	hypo	CHH	-0.0943
Gm07	39148783	39149781	Gmdrm	hypo	CHH	-0.0243
Gm07	39149811	39150589	Gmdrm	hypo	CHH	-0.2051
Gm07	39150974	39151523	Gmdrm	hypo	CHH	-0.0215
Gm07	39153969	39154969	Gmdrm	hypo	CHH	-0.0873
Gm07	39176330	39177330	Gmdrm	hypo	CHH	-0.0367
Gm07	39177337	39178330	Gmdrm	hypo	CHH	-0.023
Gm07	39182394	39183394	Gmdrm	hypo	CHH	-0.013
Gm07	39191963	39192963	Gmdrm	hypo	CHH	-0.024
Gm07	39211006	39212003	Gmdrm	hypo	CHH	-0.0773
Gm07	39212010	39212991	Gmdrm	hypo	CHH	-0.0118
Gm07	39216191	39217190	Gmdrm	hypo	CHH	-0.0639
Gm07	39222228	39223227	Gmdrm	hypo	CHH	-0.0161
Gm07	39235281	39236269	Gmdrm	hypo	CHH	-0.173
Gm07	39236300	39237292	Gmdrm	hypo	CHH	-0.1128
Gm07	39245383	39246348	Gmdrm	hypo	CHH	-0.0204
Gm07	39254420	39255417	Gmdrm	hypo	CHH	-0.0389
Gm07	39255424	39256359	Gmdrm	hypo	CHH	-0.0137
Gm07	39260557	39261554	Gmdrm	hypo	CHH	-0.0385
Gm07	39270502	39271494	Gmdrm	hypo	CHH	-0.0129
Gm07	39272524	39273510	Gmdrm	hypo	CHH	-0.0257

Gm07	39306020	39307011	Gmdrm	hypo	CHH	-0.0465
Gm07	39311476	39312463	Gmdrm	hypo	CHH	-0.1277
Gm07	39312477	39313477	Gmdrm	hypo	CHH	-0.0483
Gm07	39314482	39315474	Gmdrm	hypo	CHH	-0.0413
Gm07	39315485	39316351	Gmdrm	hypo	CHH	-0.018
Gm07	39317149	39317639	Gmdrm	hypo	CHH	-0.2827
Gm07	39318715	39319692	Gmdrm	hypo	CHH	-0.2187
Gm07	39324833	39325831	Gmdrm	hypo	CHH	-0.1374
Gm07	39325834	39326834	Gmdrm	hypo	CHH	-0.0395
Gm07	39326837	39327837	Gmdrm	hypo	CHH	-0.0221
Gm07	39329202	39330173	Gmdrm	hypo	CHH	-0.2204
Gm07	39330212	39331212	Gmdrm	hypo	CHH	-0.0498
Gm07	39331218	39332217	Gmdrm	hypo	CHH	-0.0657
Gm07	39334620	39335602	Gmdrm	hypo	CHH	-0.0252
Gm07	39339412	39339579	Gmdrm	hypo	CHH	-0.0686
Gm07	39350781	39351501	Gmdrm	hypo	CHH	-0.1715
Gm07	39361251	39362241	Gmdrm	hypo	CHH	-0.0293
Gm07	39363295	39364290	Gmdrm	hypo	CHH	-0.0716
Gm07	39390239	39391224	Gmdrm	hypo	CHH	-0.0183
Gm07	39393304	39394295	Gmdrm	hypo	CHH	-0.0686
Gm07	39394309	39395270	Gmdrm	hypo	CHH	-0.0376
Gm07	39399614	39400595	Gmdrm	hypo	CHH	-0.0301
Gm07	39405710	39406702	Gmdrm	hypo	CHH	-0.0255
Gm07	39409909	39410892	Gmdrm	hypo	CHH	-0.2166
Gm07	39415129	39416121	Gmdrm	hypo	CHH	-0.0203
Gm07	39426257	39427227	Gmdrm	hypo	CHH	-0.1184
Gm07	39436687	39437661	Gmdrm	hypo	CHH	-0.0578
Gm07	39439713	39440713	Gmdrm	hypo	CHH	-0.0205
Gm07	39446162	39447159	Gmdrm	hypo	CHH	-0.0462
Gm07	39447169	39447731	Gmdrm	hypo	CHH	-0.03
Gm07	39448875	39449844	Gmdrm	hypo	CHH	-0.0219
Gm07	39450163	39451155	Gmdrm	hypo	CHH	-0.0888
Gm07	39456128	39457128	Gmdrm	hypo	CHH	-0.0696
Gm07	39458971	39459625	Gmdrm	hypo	CHH	-0.029
Gm07	39464684	39465205	Gmdrm	hypo	CHH	-0.0324
Gm07	39465704	39465959	Gmdrm	hypo	CHH	-0.41
Gm07	39486767	39486857	Gmdrm	hypo	CHH	-0.0467
Gm07	39487601	39488599	Gmdrm	hypo	CHH	-0.0125
Gm07	39498653	39499586	Gmdrm	hypo	CHH	-0.0339
Gm07	39507889	39508881	Gmdrm	hypo	CHH	-0.0188
Gm07	39511477	39512477	Gmdrm	hypo	CHH	-0.0155
Gm07	39535568	39535727	Gmdrm	hypo	CHH	-0.0307
Gm07	39541759	39542751	Gmdrm	hypo	CHH	-0.0602
Gm07	39544513	39545509	Gmdrm	hypo	CHH	-0.0705
Gm07	39545514	39546296	Gmdrm	hypo	CHH	-0.0193
Gm07	39553648	39554617	Gmdrm	hypo	CHH	-0.0133

Gm07	39560325	39561307	Gmdrm	hypo	CHH	-0.2073
Gm07	39561351	39561725	Gmdrm	hypo	CHH	-0.1364
Gm07	39566187	39567184	Gmdrm	hypo	CHH	-0.1192
Gm07	39579812	39580804	Gmdrm	hypo	CHH	-0.0443
Gm07	39580826	39581826	Gmdrm	hypo	CHH	-0.0337
Gm07	39581827	39582593	Gmdrm	hypo	CHH	-0.1
Gm07	39598801	39599799	Gmdrm	hypo	CHH	-0.0988
Gm07	39599802	39600792	Gmdrm	hypo	CHH	-0.0365
Gm07	39605886	39606886	Gmdrm	hypo	CHH	-0.0428
Gm07	39607917	39608915	Gmdrm	hypo	CHH	-0.0202
Gm07	39608919	39609893	Gmdrm	hypo	CHH	-0.0418
Gm07	39609920	39610918	Gmdrm	hypo	CHH	-0.0176
Gm07	39615578	39616577	Gmdrm	hypo	CHH	-0.0551
Gm07	39619606	39620574	Gmdrm	hypo	CHH	-0.0439
Gm07	39620622	39621596	Gmdrm	hypo	CHH	-0.0226
Gm07	39632701	39633669	Gmdrm	hypo	CHH	-0.0176
Gm07	39633712	39634068	Gmdrm	hypo	CHH	-0.0268
Gm07	39635441	39636436	Gmdrm	hypo	CHH	-0.0789
Gm07	39639370	39640365	Gmdrm	hypo	CHH	-0.0714
Gm07	39640376	39641320	Gmdrm	hypo	CHH	-0.0518
Gm07	39645459	39646223	Gmdrm	hypo	CHH	-0.0211
Gm07	39646758	39647223	Gmdrm	hypo	CHH	-0.0348
Gm07	39658105	39658999	Gmdrm	hypo	CHH	-0.1038
Gm07	39670375	39671373	Gmdrm	hypo	CHH	-0.0172
Gm07	39695514	39696490	Gmdrm	hypo	CHH	-0.1434
Gm07	39697538	39697845	Gmdrm	hypo	CHH	-0.0346
Gm07	39697952	39698105	Gmdrm	hypo	CHH	-0.055
Gm07	39698362	39699351	Gmdrm	hypo	CHH	-0.0197
Gm07	39700543	39701538	Gmdrm	hypo	CHH	-0.0514
Gm07	39701556	39702549	Gmdrm	hypo	CHH	-0.0298
Gm07	39708467	39709437	Gmdrm	hypo	CHH	-0.1206
Gm07	39713629	39714627	Gmdrm	hypo	CHH	-0.0417
Gm07	39715115	39716110	Gmdrm	hypo	CHH	-0.0309
Gm07	39721291	39722289	Gmdrm	hypo	CHH	-0.0407
Gm07	39732769	39733759	Gmdrm	hypo	CHH	-0.0314
Gm07	39740592	39741454	Gmdrm	hypo	CHH	-0.0392
Gm07	39758802	39759800	Gmdrm	hypo	CHH	-0.0157
Gm07	39761934	39762920	Gmdrm	hypo	CHH	-0.0341
Gm07	39779888	39780884	Gmdrm	hypo	CHH	-0.0438
Gm07	39791547	39792542	Gmdrm	hypo	CHH	-0.0362
Gm07	39793689	39794687	Gmdrm	hypo	CHH	-0.0252
Gm07	39798039	39799038	Gmdrm	hypo	CHH	-0.0165
Gm07	39825161	39825883	Gmdrm	hypo	CHH	-0.0249
Gm07	39837089	39838083	Gmdrm	hypo	CHH	-0.0197
Gm07	39838096	39839094	Gmdrm	hypo	CHH	-0.0524
Gm07	39839097	39840080	Gmdrm	hypo	CHH	-0.0521

Gm07	39842075	39843075	Gmdrm	hypo	CHH	-0.1184
Gm07	39843078	39844075	Gmdrm	hypo	CHH	-0.0378
Gm07	39845083	39845556	Gmdrm	hypo	CHH	-0.21
Gm07	39851007	39852000	Gmdrm	hypo	CHH	-0.1351
Gm07	39853055	39854043	Gmdrm	hypo	CHH	-0.0289
Gm07	39959538	39960520	Gmdrm	hypo	CHH	-0.0259
Gm07	39967808	39968805	Gmdrm	hypo	CHH	-0.0577
Gm07	39991496	39992464	Gmdrm	hypo	CHH	-0.0605
Gm07	39996533	39997524	Gmdrm	hypo	CHH	-0.0644
Gm07	39997783	39998755	Gmdrm	hypo	CHH	-0.06
Gm07	39998837	39998864	Gmdrm	hypo	CHH	-0.158
Gm07	39999074	39999958	Gmdrm	hypo	CHH	-0.06
Gm07	40000345	40001341	Gmdrm	hypo	CHH	-0.0542
Gm07	40001359	40002338	Gmdrm	hypo	CHH	-0.0982
Gm07	40003368	40004358	Gmdrm	hypo	CHH	-0.0275
Gm07	40004371	40004975	Gmdrm	hypo	CHH	-0.0185
Gm07	40023081	40024075	Gmdrm	hypo	CHH	-0.1384
Gm07	40024104	40025104	Gmdrm	hypo	CHH	-0.0269
Gm07	40025106	40026106	Gmdrm	hypo	CHH	-0.0459
Gm07	40026110	40027034	Gmdrm	hypo	CHH	-0.175
Gm07	40033199	40033983	Gmdrm	hypo	CHH	-0.0142
Gm07	40037881	40038868	Gmdrm	hypo	CHH	-0.0286
Gm07	40053801	40054777	Gmdrm	hypo	CHH	-0.0215
Gm07	40060295	40060884	Gmdrm	hypo	CHH	-0.0214
Gm07	40062722	40063719	Gmdrm	hypo	CHH	-0.071
Gm07	40064766	40065750	Gmdrm	hypo	CHH	-0.0162
Gm07	40096528	40097526	Gmdrm	hypo	CHH	-0.08
Gm07	40097530	40098522	Gmdrm	hypo	CHH	-0.0377
Gm07	40098540	40099540	Gmdrm	hypo	CHH	-0.0869
Gm07	40099545	40100541	Gmdrm	hypo	CHH	-0.0448
Gm07	40116553	40117499	Gmdrm	hypo	CHH	-0.037
Gm07	40120629	40120834	Gmdrm	hypo	CHH	-0.084
Gm07	40145726	40146719	Gmdrm	hypo	CHH	-0.0669
Gm07	40146755	40147737	Gmdrm	hypo	CHH	-0.027
Gm07	40148784	40149781	Gmdrm	hypo	CHH	-0.0163
Gm07	40155994	40156990	Gmdrm	hypo	CHH	-0.0674
Gm07	40156998	40157565	Gmdrm	hypo	CHH	-0.1732
Gm07	40172890	40173884	Gmdrm	hypo	CHH	-0.0539
Gm07	40173932	40174905	Gmdrm	hypo	CHH	-0.0331
Gm07	40180337	40181304	Gmdrm	hypo	CHH	-0.0222
Gm07	40182018	40182619	Gmdrm	hypo	CHH	-0.0946
Gm07	40194316	40195310	Gmdrm	hypo	CHH	-0.0298
Gm07	40195332	40196326	Gmdrm	hypo	CHH	-0.0664
Gm07	40197948	40198945	Gmdrm	hypo	CHH	-0.1193
Gm07	40198951	40199918	Gmdrm	hypo	CHH	-0.0482
Gm07	40204883	40205883	Gmdrm	hypo	CHH	-0.0387

Gm07	40205885	40206867	Gmdrm	hypo	CHH	-0.0915
Gm07	40206888	40207872	Gmdrm	hypo	CHH	-0.0602
Gm07	40209334	40209555	Gmdrm	hypo	CHH	-0.0206
Gm07	40209807	40210800	Gmdrm	hypo	CHH	-0.0488
Gm07	40210816	40211811	Gmdrm	hypo	CHH	-0.0241
Gm07	40215475	40216466	Gmdrm	hypo	CHH	-0.0175
Gm07	40221819	40222813	Gmdrm	hypo	CHH	-0.0174
Gm07	40224828	40225826	Gmdrm	hypo	CHH	-0.084
Gm07	40225832	40226722	Gmdrm	hypo	CHH	-0.0347
Gm07	40227835	40228826	Gmdrm	hypo	CHH	-0.0357
Gm07	40229854	40230410	Gmdrm	hypo	CHH	-0.052
Gm07	40234788	40235259	Gmdrm	hypo	CHH	-0.289
Gm07	40257551	40258548	Gmdrm	hypo	CHH	-0.0183
Gm07	40258567	40259565	Gmdrm	hypo	CHH	-0.1303
Gm07	40264608	40265511	Gmdrm	hypo	CHH	-0.0204
Gm07	40271716	40272707	Gmdrm	hypo	CHH	-0.0235
Gm07	40274746	40275744	Gmdrm	hypo	CHH	-0.0341
Gm07	40275748	40276743	Gmdrm	hypo	CHH	-0.0651
Gm07	40277783	40278783	Gmdrm	hypo	CHH	-0.0408
Gm07	40278803	40279777	Gmdrm	hypo	CHH	-0.0217
Gm07	40289218	40290215	Gmdrm	hypo	CHH	-0.0416
Gm07	40296621	40297595	Gmdrm	hypo	CHH	-0.0555
Gm07	40299882	40300833	Gmdrm	hypo	CHH	-0.0127
Gm07	40312058	40312235	Gmdrm	hypo	CHH	-0.1123
Gm07	40312346	40313342	Gmdrm	hypo	CHH	-0.0317
Gm07	40313370	40314370	Gmdrm	hypo	CHH	-0.0928
Gm07	40319023	40320009	Gmdrm	hypo	CHH	-0.0498
Gm07	40320025	40321024	Gmdrm	hypo	CHH	-0.0557
Gm07	40321037	40322004	Gmdrm	hypo	CHH	-0.243
Gm07	40323115	40324107	Gmdrm	hypo	CHH	-0.1627
Gm07	40331295	40331854	Gmdrm	hypo	CHH	-0.0186
Gm07	40332180	40333178	Gmdrm	hypo	CHH	-0.0337
Gm07	40333185	40334183	Gmdrm	hypo	CHH	-0.0338
Gm07	40337941	40338937	Gmdrm	hypo	CHH	-0.0346
Gm07	40338945	40339928	Gmdrm	hypo	CHH	-0.038
Gm07	40343839	40344834	Gmdrm	hypo	CHH	-0.048
Gm07	40349888	40350848	Gmdrm	hypo	CHH	-0.0237
Gm07	40354468	40355463	Gmdrm	hypo	CHH	-0.0415
Gm07	40362486	40363486	Gmdrm	hypo	CHH	-0.0636
Gm07	40400036	40400995	Gmdrm	hypo	CHH	-0.1757
Gm07	40401389	40402382	Gmdrm	hypo	CHH	-0.0186
Gm07	40402429	40403425	Gmdrm	hypo	CHH	-0.2871
Gm07	40403433	40404386	Gmdrm	hypo	CHH	-0.0468
Gm07	40416391	40417381	Gmdrm	hypo	CHH	-0.0519
Gm07	40436430	40436484	Gmdrm	hypo	CHH	-0.046
Gm07	40449281	40450217	Gmdrm	hypo	CHH	-0.0415

Gm07	40450294	40451292	Gmdrm	hypo	CHH	-0.17
Gm07	40451295	40451672	Gmdrm	hypo	CHH	-0.0767
Gm07	40451776	40452769	Gmdrm	hypo	CHH	-0.1506
Gm07	40452779	40453751	Gmdrm	hypo	CHH	-0.0565
Gm07	40460039	40461005	Gmdrm	hypo	CHH	-0.0244
Gm07	40471510	40472504	Gmdrm	hypo	CHH	-0.0322
Gm07	40472526	40473269	Gmdrm	hypo	CHH	-0.0668
Gm07	40473371	40474359	Gmdrm	hypo	CHH	-0.0294
Gm07	40475443	40476437	Gmdrm	hypo	CHH	-0.0149
Gm07	40493081	40493235	Gmdrm	hypo	CHH	-0.0414
Gm07	40501233	40502230	Gmdrm	hypo	CHH	-0.0582
Gm07	40508586	40509519	Gmdrm	hypo	CHH	-0.0436
Gm07	40509615	40510153	Gmdrm	hypo	CHH	-0.1182
Gm07	40519565	40520558	Gmdrm	hypo	CHH	-0.0194
Gm07	40528016	40529014	Gmdrm	hypo	CHH	-0.0221
Gm07	40533518	40534474	Gmdrm	hypo	CHH	-0.0212
Gm07	40536566	40537527	Gmdrm	hypo	CHH	-0.0924
Gm07	40538548	40539373	Gmdrm	hypo	CHH	-0.0606
Gm07	40539498	40540495	Gmdrm	hypo	CHH	-0.0271
Gm07	40541771	40542768	Gmdrm	hypo	CHH	-0.0459
Gm07	40556978	40557966	Gmdrm	hypo	CHH	-0.0548
Gm07	40558000	40559000	Gmdrm	hypo	CHH	-0.0338
Gm07	40559001	40559204	Gmdrm	hypo	CHH	-0.1388
Gm07	40567446	40568411	Gmdrm	hypo	CHH	-0.016
Gm07	40580956	40581843	Gmdrm	hypo	CHH	-0.1902
Gm07	40594796	40595171	Gmdrm	hypo	CHH	-0.013
Gm07	40610383	40611379	Gmdrm	hypo	CHH	-0.0404
Gm07	40611390	40612352	Gmdrm	hypo	CHH	-0.0439
Gm07	40613638	40614629	Gmdrm	hypo	CHH	-0.0202
Gm07	40626973	40627972	Gmdrm	hypo	CHH	-0.0445
Gm07	40628126	40629120	Gmdrm	hypo	CHH	-0.1441
Gm07	40629132	40630124	Gmdrm	hypo	CHH	-0.0769
Gm07	40643665	40644174	Gmdrm	hypo	CHH	-0.0785
Gm07	40651406	40652403	Gmdrm	hypo	CHH	-0.0258
Gm07	40652418	40653417	Gmdrm	hypo	CHH	-0.0528
Gm07	40660480	40661478	Gmdrm	hypo	CHH	-0.0959
Gm07	40661481	40662094	Gmdrm	hypo	CHH	-0.1067
Gm07	40697957	40698893	Gmdrm	hypo	CHH	-0.0265
Gm07	40704373	40704686	Gmdrm	hypo	CHH	-0.0583
Gm07	40707244	40708244	Gmdrm	hypo	CHH	-0.0154
Gm07	40708256	40708561	Gmdrm	hypo	CHH	-0.0848
Gm07	40708686	40709664	Gmdrm	hypo	CHH	-0.0231
Gm07	40711067	40712065	Gmdrm	hypo	CHH	-0.0371
Gm07	40716147	40716194	Gmdrm	hypo	CHH	-0.0189
Gm07	40721476	40722396	Gmdrm	hypo	CHH	-0.1822
Gm07	40732850	40733397	Gmdrm	hypo	CHH	-0.0306

Gm07	40737862	40738860	Gmdrm	hypo	CHH	-0.0722
Gm07	40738863	40739852	Gmdrm	hypo	CHH	-0.1414
Gm07	40739864	40740715	Gmdrm	hypo	CHH	-0.0169
Gm07	40740869	40741770	Gmdrm	hypo	CHH	-0.244
Gm07	40741896	40742895	Gmdrm	hypo	CHH	-0.1498
Gm07	40742905	40743879	Gmdrm	hypo	CHH	-0.0613
Gm07	40745990	40746984	Gmdrm	hypo	CHH	-0.0322
Gm07	40750046	40751044	Gmdrm	hypo	CHH	-0.0277
Gm07	40751052	40751297	Gmdrm	hypo	CHH	-0.038
Gm07	40764877	40765848	Gmdrm	hypo	CHH	-0.0562
Gm07	40793193	40794191	Gmdrm	hypo	CHH	-0.0741
Gm07	40795209	40795550	Gmdrm	hypo	CHH	-0.0948
Gm07	40796285	40797245	Gmdrm	hypo	CHH	-0.0458
Gm07	40799671	40800663	Gmdrm	hypo	CHH	-0.0309
Gm07	40803038	40804037	Gmdrm	hypo	CHH	-0.0682
Gm07	40807062	40808047	Gmdrm	hypo	CHH	-0.0429
Gm07	40808299	40809299	Gmdrm	hypo	CHH	-0.0925
Gm07	40809304	40810292	Gmdrm	hypo	CHH	-0.1651
Gm07	40810885	40811884	Gmdrm	hypo	CHH	-0.1621
Gm07	40811892	40812871	Gmdrm	hypo	CHH	-0.029
Gm07	40813917	40814910	Gmdrm	hypo	CHH	-0.2643
Gm07	40815009	40815991	Gmdrm	hypo	CHH	-0.0911
Gm07	40816017	40817013	Gmdrm	hypo	CHH	-0.0193
Gm07	40817038	40818038	Gmdrm	hypo	CHH	-0.0214
Gm07	40819853	40820850	Gmdrm	hypo	CHH	-0.0493
Gm07	40825305	40826138	Gmdrm	hypo	CHH	-0.0289
Gm07	40827539	40827718	Gmdrm	hypo	CHH	-0.0575
Gm07	40835054	40836053	Gmdrm	hypo	CHH	-0.1511
Gm07	40853371	40853817	Gmdrm	hypo	CHH	-0.0936
Gm07	40856715	40857711	Gmdrm	hypo	CHH	-0.0228
Gm07	40862010	40863005	Gmdrm	hypo	CHH	-0.2116
Gm07	40863011	40864009	Gmdrm	hypo	CHH	-0.1136
Gm07	40866623	40867595	Gmdrm	hypo	CHH	-0.1391
Gm07	40878517	40879509	Gmdrm	hypo	CHH	-0.0142
Gm07	40904632	40905632	Gmdrm	hypo	CHH	-0.2515
Gm07	40947087	40947782	Gmdrm	hypo	CHH	-0.2142
Gm07	40956729	40957703	Gmdrm	hypo	CHH	-0.0228
Gm07	40961987	40962985	Gmdrm	hypo	CHH	-0.1816
Gm07	40992543	40993431	Gmdrm	hypo	CHH	-0.1175
Gm07	41020845	41021841	Gmdrm	hypo	CHH	-0.0696
Gm07	41032708	41033707	Gmdrm	hypo	CHH	-0.1579
Gm07	41039653	41040653	Gmdrm	hypo	CHH	-0.0528
Gm07	41052294	41053053	Gmdrm	hypo	CHH	-0.061
Gm07	41057019	41057623	Gmdrm	hypo	CHH	-0.0153
Gm07	41059759	41060756	Gmdrm	hypo	CHH	-0.0643
Gm07	41065830	41066826	Gmdrm	hypo	CHH	-0.0578

Gm07	41066831	41067530	Gmdrm	hypo	CHH	-0.0931
Gm07	41087759	41088693	Gmdrm	hypo	CHH	-0.016
Gm07	41088769	41089766	Gmdrm	hypo	CHH	-0.1297
Gm07	41089770	41090729	Gmdrm	hypo	CHH	-0.1744
Gm07	41116265	41117253	Gmdrm	hypo	CHH	-0.0436
Gm07	41127343	41127685	Gmdrm	hypo	CHH	-0.1315
Gm07	41129002	41129843	Gmdrm	hypo	CHH	-0.038
Gm07	41130051	41131025	Gmdrm	hypo	CHH	-0.064
Gm07	41134662	41135035	Gmdrm	hypo	CHH	-0.0419
Gm07	41139563	41140561	Gmdrm	hypo	CHH	-0.064
Gm07	41140565	41141053	Gmdrm	hypo	CHH	-0.1742
Gm07	41142661	41143659	Gmdrm	hypo	CHH	-0.1892
Gm07	41144688	41145674	Gmdrm	hypo	CHH	-0.0303
Gm07	41147728	41148704	Gmdrm	hypo	CHH	-0.0318
Gm07	41154811	41155803	Gmdrm	hypo	CHH	-0.0784
Gm07	41155823	41156794	Gmdrm	hypo	CHH	-0.0181
Gm07	41156825	41157821	Gmdrm	hypo	CHH	-0.0718
Gm07	41157827	41158821	Gmdrm	hypo	CHH	-0.0645
Gm07	41158844	41159838	Gmdrm	hypo	CHH	-0.051
Gm07	41172246	41173222	Gmdrm	hypo	CHH	-0.1337
Gm07	41174309	41175309	Gmdrm	hypo	CHH	-0.0404
Gm07	41175320	41176316	Gmdrm	hypo	CHH	-0.0418
Gm07	41195444	41196414	Gmdrm	hypo	CHH	-0.1246
Gm07	41212692	41213689	Gmdrm	hypo	CHH	-0.016
Gm07	41213704	41214704	Gmdrm	hypo	CHH	-0.0255
Gm07	41222488	41223447	Gmdrm	hypo	CHH	-0.0443
Gm07	41224738	41225727	Gmdrm	hypo	CHH	-0.0519
Gm07	41225742	41226718	Gmdrm	hypo	CHH	-0.0362
Gm07	41227766	41228758	Gmdrm	hypo	CHH	-0.0435
Gm07	41228772	41229744	Gmdrm	hypo	CHH	-0.0557
Gm07	41229794	41230788	Gmdrm	hypo	CHH	-0.1456
Gm07	41230795	41231788	Gmdrm	hypo	CHH	-0.0467
Gm07	41243845	41244835	Gmdrm	hypo	CHH	-0.0669
Gm07	41251271	41252271	Gmdrm	hypo	CHH	-0.0227
Gm07	41257268	41258234	Gmdrm	hypo	CHH	-0.0523
Gm07	41258281	41259278	Gmdrm	hypo	CHH	-0.0213
Gm07	41259310	41260291	Gmdrm	hypo	CHH	-0.0185
Gm07	41273211	41274067	Gmdrm	hypo	CHH	-0.1843
Gm07	41280932	41281930	Gmdrm	hypo	CHH	-0.0337
Gm07	41281938	41282921	Gmdrm	hypo	CHH	-0.0836
Gm07	41284514	41285511	Gmdrm	hypo	CHH	-0.0536
Gm07	41285519	41286518	Gmdrm	hypo	CHH	-0.053
Gm07	41299576	41300572	Gmdrm	hypo	CHH	-0.0915
Gm07	41322808	41323805	Gmdrm	hypo	CHH	-0.0172
Gm07	41324846	41324905	Gmdrm	hypo	CHH	-0.046
Gm07	41325011	41326003	Gmdrm	hypo	CHH	-0.0155

Gm07	41343462	41344449	Gmdrm	hypo	CHH	-0.0162
Gm07	41349465	41350465	Gmdrm	hypo	CHH	-0.0807
Gm07	41350468	41351001	Gmdrm	hypo	CHH	-0.3102
Gm07	41364015	41365011	Gmdrm	hypo	CHH	-0.0321
Gm07	41366041	41366994	Gmdrm	hypo	CHH	-0.2492
Gm07	41367046	41368044	Gmdrm	hypo	CHH	-0.1311
Gm07	41390415	41391415	Gmdrm	hypo	CHH	-0.0752
Gm07	41398745	41399732	Gmdrm	hypo	CHH	-0.0168
Gm07	41409616	41409723	Gmdrm	hypo	CHH	-0.178
Gm07	41418955	41419955	Gmdrm	hypo	CHH	-0.167
Gm07	41419957	41420952	Gmdrm	hypo	CHH	-0.1187
Gm07	41421885	41422861	Gmdrm	hypo	CHH	-0.0255
Gm07	41426655	41427648	Gmdrm	hypo	CHH	-0.0662
Gm07	41441386	41442366	Gmdrm	hypo	CHH	-0.0517
Gm07	41454142	41455140	Gmdrm	hypo	CHH	-0.1076
Gm07	41458268	41459265	Gmdrm	hypo	CHH	-0.0228
Gm07	41459285	41459792	Gmdrm	hypo	CHH	-0.0407
Gm07	41461440	41462440	Gmdrm	hypo	CHH	-0.047
Gm07	41462469	41463023	Gmdrm	hypo	CHH	-0.1221
Gm07	41513818	41514816	Gmdrm	hypo	CHH	-0.0305
Gm07	41519462	41520448	Gmdrm	hypo	CHH	-0.0341
Gm07	41532416	41533379	Gmdrm	hypo	CHH	-0.0349
Gm07	41534157	41535111	Gmdrm	hypo	CHH	-0.032
Gm07	41535303	41536279	Gmdrm	hypo	CHH	-0.0206
Gm07	41537335	41538331	Gmdrm	hypo	CHH	-0.0226
Gm07	41539163	41540159	Gmdrm	hypo	CHH	-0.0533
Gm07	41540168	41540503	Gmdrm	hypo	CHH	-0.0784
Gm07	41541235	41542191	Gmdrm	hypo	CHH	-0.1095
Gm07	41545670	41546667	Gmdrm	hypo	CHH	-0.0412
Gm07	41550702	41551650	Gmdrm	hypo	CHH	-0.2194
Gm07	41554476	41555464	Gmdrm	hypo	CHH	-0.0157
Gm07	41563793	41564768	Gmdrm	hypo	CHH	-0.0403
Gm07	41564797	41565794	Gmdrm	hypo	CHH	-0.0262
Gm07	41572390	41573186	Gmdrm	hypo	CHH	-0.0431
Gm07	41581071	41582070	Gmdrm	hypo	CHH	-0.2327
Gm07	41582075	41582750	Gmdrm	hypo	CHH	-0.1195
Gm07	41583121	41584120	Gmdrm	hypo	CHH	-0.0524
Gm07	41594288	41594625	Gmdrm	hypo	CHH	-0.0409
Gm07	41605448	41606446	Gmdrm	hypo	CHH	-0.0422
Gm07	41606456	41607445	Gmdrm	hypo	CHH	-0.0236
Gm07	41610879	41611550	Gmdrm	hypo	CHH	-0.0915
Gm07	41612684	41613203	Gmdrm	hypo	CHH	-0.0315
Gm07	41624662	41625660	Gmdrm	hypo	CHH	-0.0317
Gm07	41626221	41627220	Gmdrm	hypo	CHH	-0.0545
Gm07	41635207	41636204	Gmdrm	hypo	CHH	-0.0883
Gm07	41640338	41641330	Gmdrm	hypo	CHH	-0.0428

Gm07	41641352	41642345 Gmdrm	hypo	CHH	-0.0433
Gm07	41645817	41646804 Gmdrm	hypo	CHH	-0.0131
Gm07	41650085	41651077 Gmdrm	hypo	CHH	-0.0266
Gm07	41651090	41652071 Gmdrm	hypo	CHH	-0.0479
Gm07	41668156	41669150 Gmdrm	hypo	CHH	-0.035
Gm07	41670214	41671202 Gmdrm	hypo	CHH	-0.0207
Gm07	41674234	41675234 Gmdrm	hypo	CHH	-0.05
Gm07	41685227	41685655 Gmdrm	hypo	CHH	-0.0272
Gm07	41690146	41691140 Gmdrm	hypo	CHH	-0.0832
Gm07	41691153	41692152 Gmdrm	hypo	CHH	-0.0946
Gm07	41692155	41693140 Gmdrm	hypo	CHH	-0.0704
Gm07	41705555	41706552 Gmdrm	hypo	CHH	-0.0923
Gm07	41707572	41708567 Gmdrm	hypo	CHH	-0.0481
Gm07	41712964	41713935 Gmdrm	hypo	CHH	-0.0197
Gm07	41717075	41718075 Gmdrm	hypo	CHH	-0.0198
Gm07	41739085	41740062 Gmdrm	hypo	CHH	-0.0648
Gm07	41740985	41741985 Gmdrm	hypo	CHH	-0.0216
Gm07	41746853	41747845 Gmdrm	hypo	CHH	-0.0191
Gm07	41759490	41760488 Gmdrm	hypo	CHH	-0.0671
Gm07	41760499	41761473 Gmdrm	hypo	CHH	-0.095
Gm07	41761500	41762488 Gmdrm	hypo	CHH	-0.0639
Gm07	41766114	41767085 Gmdrm	hypo	CHH	-0.0115
Gm07	41804550	41805528 Gmdrm	hypo	CHH	-0.0218
Gm07	41805559	41806551 Gmdrm	hypo	CHH	-0.0153
Gm07	41809258	41809618 Gmdrm	hypo	CHH	-0.0623
Gm07	41815045	41815644 Gmdrm	hypo	CHH	-0.04
Gm07	41821879	41822879 Gmdrm	hypo	CHH	-0.0284
Gm07	41853927	41854921 Gmdrm	hypo	CHH	-0.0596
Gm07	41854930	41855914 Gmdrm	hypo	CHH	-0.1868
Gm07	41859354	41860335 Gmdrm	hypo	CHH	-0.0237
Gm07	41861357	41862344 Gmdrm	hypo	CHH	-0.0169
Gm07	41864380	41865342 Gmdrm	hypo	CHH	-0.0179
Gm07	41868721	41869699 Gmdrm	hypo	CHH	-0.0145
Gm07	41874432	41875394 Gmdrm	hypo	CHH	-0.0194
Gm07	41880509	41881504 Gmdrm	hypo	CHH	-0.0193
Gm07	41886530	41887508 Gmdrm	hypo	CHH	-0.0451
Gm07	41895860	41896853 Gmdrm	hypo	CHH	-0.1239
Gm07	41899903	41900856 Gmdrm	hypo	CHH	-0.0569
Gm07	41911947	41912220 Gmdrm	hypo	CHH	-0.0229
Gm07	41921501	41922499 Gmdrm	hypo	CHH	-0.0764
Gm07	41922502	41923024 Gmdrm	hypo	CHH	-0.1092
Gm07	41928401	41929347 Gmdrm	hypo	CHH	-0.1104
Gm07	41934226	41935225 Gmdrm	hypo	CHH	-0.1084
Gm07	41935230	41936219 Gmdrm	hypo	CHH	-0.1169
Gm07	41939622	41940598 Gmdrm	hypo	CHH	-0.0739
Gm07	41946299	41947299 Gmdrm	hypo	CHH	-0.0515

Gm07	41947303	41948298	Gmdrm	hypo	CHH	-0.1245
Gm07	41949206	41950205	Gmdrm	hypo	CHH	-0.0351
Gm07	41976239	41977231	Gmdrm	hypo	CHH	-0.0224
Gm07	41977255	41978227	Gmdrm	hypo	CHH	-0.024
Gm07	41991887	41992885	Gmdrm	hypo	CHH	-0.0538
Gm07	41998458	41999450	Gmdrm	hypo	CHH	-0.1742
Gm07	41999463	42000462	Gmdrm	hypo	CHH	-0.1494
Gm07	42002571	42003562	Gmdrm	hypo	CHH	-0.0465
Gm07	42004586	42005567	Gmdrm	hypo	CHH	-0.0507
Gm07	42025321	42026304	Gmdrm	hypo	CHH	-0.0544
Gm07	42027337	42027597	Gmdrm	hypo	CHH	-0.1304
Gm07	42035436	42036435	Gmdrm	hypo	CHH	-0.0774
Gm07	42049178	42050152	Gmdrm	hypo	CHH	-0.0257
Gm07	42051215	42052188	Gmdrm	hypo	CHH	-0.0388
Gm07	42064910	42065855	Gmdrm	hypo	CHH	-0.0714
Gm07	42065927	42066874	Gmdrm	hypo	CHH	-0.0476
Gm07	42070521	42071501	Gmdrm	hypo	CHH	-0.0349
Gm07	42078465	42079451	Gmdrm	hypo	CHH	-0.0174
Gm07	42085533	42086515	Gmdrm	hypo	CHH	-0.0273
Gm07	42086651	42087519	Gmdrm	hypo	CHH	-0.0464
Gm07	42087659	42088294	Gmdrm	hypo	CHH	-0.0143
Gm07	42089863	42090859	Gmdrm	hypo	CHH	-0.0391
Gm07	42093839	42094839	Gmdrm	hypo	CHH	-0.0208
Gm07	42098698	42099677	Gmdrm	hypo	CHH	-0.1896
Gm07	42136221	42137206	Gmdrm	hypo	CHH	-0.0427
Gm07	42145606	42145991	Gmdrm	hypo	CHH	-0.0262
Gm07	42159626	42160587	Gmdrm	hypo	CHH	-0.0282
Gm07	42160839	42161795	Gmdrm	hypo	CHH	-0.0176
Gm07	42163873	42164867	Gmdrm	hypo	CHH	-0.0429
Gm07	42164875	42165223	Gmdrm	hypo	CHH	-0.0853
Gm07	42165324	42166159	Gmdrm	hypo	CHH	-0.0314
Gm07	42171492	42172483	Gmdrm	hypo	CHH	-0.084
Gm07	42172494	42173486	Gmdrm	hypo	CHH	-0.0839
Gm07	42177231	42178225	Gmdrm	hypo	CHH	-0.0142
Gm07	42182195	42183192	Gmdrm	hypo	CHH	-0.0237
Gm07	42198575	42199101	Gmdrm	hypo	CHH	-0.0317
Gm07	42202190	42203182	Gmdrm	hypo	CHH	-0.0235
Gm07	42208324	42209309	Gmdrm	hypo	CHH	-0.0341
Gm07	42210372	42211372	Gmdrm	hypo	CHH	-0.0123
Gm07	42220299	42221224	Gmdrm	hypo	CHH	-0.0428
Gm07	42228136	42229136	Gmdrm	hypo	CHH	-0.2159
Gm07	42229139	42230132	Gmdrm	hypo	CHH	-0.0872
Gm07	42232635	42233626	Gmdrm	hypo	CHH	-0.021
Gm07	42236262	42237253	Gmdrm	hypo	CHH	-0.0251
Gm07	42238288	42239276	Gmdrm	hypo	CHH	-0.0162
Gm07	42243460	42244440	Gmdrm	hypo	CHH	-0.0852

Gm07	42253343	42253874	Gmdrm	hypo	CHH	-0.0274
Gm07	42281321	42282302	Gmdrm	hypo	CHH	-0.1524
Gm07	42285151	42286145	Gmdrm	hypo	CHH	-0.0346
Gm07	42291743	42292743	Gmdrm	hypo	CHH	-0.189
Gm07	42292745	42293331	Gmdrm	hypo	CHH	-0.0252
Gm07	42301065	42301715	Gmdrm	hypo	CHH	-0.0217
Gm07	42310315	42311312	Gmdrm	hypo	CHH	-0.0147
Gm07	42315939	42316937	Gmdrm	hypo	CHH	-0.0161
Gm07	42316943	42317937	Gmdrm	hypo	CHH	-0.0607
Gm07	42324205	42325205	Gmdrm	hypo	CHH	-0.0444
Gm07	42325220	42326193	Gmdrm	hypo	CHH	-0.0346
Gm07	42326587	42327584	Gmdrm	hypo	CHH	-0.1063
Gm07	42328699	42329684	Gmdrm	hypo	CHH	-0.0167
Gm07	42330723	42331715	Gmdrm	hypo	CHH	-0.0251
Gm07	42332742	42333374	Gmdrm	hypo	CHH	-0.0173
Gm07	42339731	42340671	Gmdrm	hypo	CHH	-0.0592
Gm07	42343115	42343227	Gmdrm	hypo	CHH	-0.068
Gm07	42344394	42345394	Gmdrm	hypo	CHH	-0.0669
Gm07	42345396	42345731	Gmdrm	hypo	CHH	-0.0374
Gm07	42374039	42375006	Gmdrm	hypo	CHH	-0.0509
Gm07	42378252	42379248	Gmdrm	hypo	CHH	-0.1264
Gm07	42382739	42383717	Gmdrm	hypo	CHH	-0.0262
Gm07	42392387	42392436	Gmdrm	hypo	CHH	-0.224
Gm07	42400977	42401974	Gmdrm	hypo	CHH	-0.061
Gm07	42405619	42405937	Gmdrm	hypo	CHH	-0.0382
Gm07	42413370	42414357	Gmdrm	hypo	CHH	-0.0243
Gm07	42414378	42414955	Gmdrm	hypo	CHH	-0.0483
Gm07	42435935	42436922	Gmdrm	hypo	CHH	-0.0245
Gm07	42443855	42444852	Gmdrm	hypo	CHH	-0.0181
Gm07	42448557	42449554	Gmdrm	hypo	CHH	-0.0388
Gm07	42459304	42460138	Gmdrm	hypo	CHH	-0.0215
Gm07	42462318	42463305	Gmdrm	hypo	CHH	-0.0368
Gm07	42465034	42466025	Gmdrm	hypo	CHH	-0.0135
Gm07	42486697	42487691	Gmdrm	hypo	CHH	-0.072
Gm07	42487699	42488696	Gmdrm	hypo	CHH	-0.0998
Gm07	42488702	42489376	Gmdrm	hypo	CHH	-0.0714
Gm07	42518733	42519711	Gmdrm	hypo	CHH	-0.0102
Gm07	42526920	42527919	Gmdrm	hypo	CHH	-0.1172
Gm07	42536419	42537407	Gmdrm	hypo	CHH	-0.0228
Gm07	42540902	42541067	Gmdrm	hypo	CHH	-0.0443
Gm07	42543867	42544837	Gmdrm	hypo	CHH	-0.0327
Gm07	42550372	42550839	Gmdrm	hypo	CHH	-0.041
Gm07	42558782	42559742	Gmdrm	hypo	CHH	-0.0141
Gm07	42564629	42565627	Gmdrm	hypo	CHH	-0.0151
Gm07	42570018	42571016	Gmdrm	hypo	CHH	-0.0684
Gm07	42571020	42571288	Gmdrm	hypo	CHH	-0.0747

Gm07	42578083	42579083	Gmdrm	hypo	CHH	-0.071
Gm07	42579084	42580081	Gmdrm	hypo	CHH	-0.0527
Gm07	42594706	42595459	Gmdrm	hypo	CHH	-0.0183
Gm07	42595705	42596703	Gmdrm	hypo	CHH	-0.1025
Gm07	42601466	42602456	Gmdrm	hypo	CHH	-0.0154
Gm07	42615051	42615450	Gmdrm	hypo	CHH	-0.0918
Gm07	42624969	42625628	Gmdrm	hypo	CHH	-0.0135
Gm07	42637012	42637997	Gmdrm	hypo	CHH	-0.0536
Gm07	42640295	42641291	Gmdrm	hypo	CHH	-0.0146
Gm07	42647834	42648830	Gmdrm	hypo	CHH	-0.1424
Gm07	42648838	42649829	Gmdrm	hypo	CHH	-0.0476
Gm07	42651306	42652203	Gmdrm	hypo	CHH	-0.0504
Gm07	42669253	42669737	Gmdrm	hypo	CHH	-0.057
Gm07	42683899	42684841	Gmdrm	hypo	CHH	-0.0139
Gm07	42684952	42685471	Gmdrm	hypo	CHH	-0.0232
Gm07	42685681	42686681	Gmdrm	hypo	CHH	-0.0152
Gm07	42716870	42717854	Gmdrm	hypo	CHH	-0.102
Gm07	42717873	42718860	Gmdrm	hypo	CHH	-0.0572
Gm07	42721145	42722142	Gmdrm	hypo	CHH	-0.1634
Gm07	42723843	42724835	Gmdrm	hypo	CHH	-0.0145
Gm07	42732452	42733438	Gmdrm	hypo	CHH	-0.0158
Gm07	42738518	42739511	Gmdrm	hypo	CHH	-0.0824
Gm07	42742446	42743440	Gmdrm	hypo	CHH	-0.1625
Gm07	42757793	42758792	Gmdrm	hypo	CHH	-0.0368
Gm07	42758816	42759815	Gmdrm	hypo	CHH	-0.0321
Gm07	42759820	42760781	Gmdrm	hypo	CHH	-0.0211
Gm07	42771029	42771235	Gmdrm	hypo	CHH	-0.0782
Gm07	42773105	42774100	Gmdrm	hypo	CHH	-0.0767
Gm07	42774110	42775096	Gmdrm	hypo	CHH	-0.0585
Gm07	42775113	42776107	Gmdrm	hypo	CHH	-0.1829
Gm07	42776119	42777114	Gmdrm	hypo	CHH	-0.0225
Gm07	42812142	42813141	Gmdrm	hypo	CHH	-0.0593
Gm07	42813192	42814191	Gmdrm	hypo	CHH	-0.2778
Gm07	42814197	42815189	Gmdrm	hypo	CHH	-0.0233
Gm07	42816217	42816642	Gmdrm	hypo	CHH	-0.018
Gm07	42816785	42817166	Gmdrm	hypo	CHH	-0.0324
Gm07	42825262	42826262	Gmdrm	hypo	CHH	-0.0102
Gm07	42826264	42826456	Gmdrm	hypo	CHH	-0.0722
Gm07	42834188	42835179	Gmdrm	hypo	CHH	-0.215
Gm07	42836659	42837659	Gmdrm	hypo	CHH	-0.0132
Gm07	42847219	42848219	Gmdrm	hypo	CHH	-0.0164
Gm07	42851293	42852228	Gmdrm	hypo	CHH	-0.0256
Gm07	42855415	42856400	Gmdrm	hypo	CHH	-0.016
Gm07	42873290	42874278	Gmdrm	hypo	CHH	-0.0161
Gm07	42898674	42899672	Gmdrm	hypo	CHH	-0.181
Gm07	42920807	42921609	Gmdrm	hypo	CHH	-0.0253

Gm07	42924692	42925692	Gmdrm	hypo	CHH	-0.0304
Gm07	42933441	42934417	Gmdrm	hypo	CHH	-0.0209
Gm07	42934448	42935446	Gmdrm	hypo	CHH	-0.0354
Gm07	42936469	42937305	Gmdrm	hypo	CHH	-0.073
Gm07	42937411	42938402	Gmdrm	hypo	CHH	-0.1636
Gm07	42942433	42943184	Gmdrm	hypo	CHH	-0.0326
Gm07	42954911	42955909	Gmdrm	hypo	CHH	-0.1047
Gm07	42963652	42964638	Gmdrm	hypo	CHH	-0.0338
Gm07	42965860	42966859	Gmdrm	hypo	CHH	-0.1052
Gm07	42966880	42967875	Gmdrm	hypo	CHH	-0.0764
Gm07	42982013	42982181	Gmdrm	hypo	CHH	-0.1435
Gm07	42987107	42988101	Gmdrm	hypo	CHH	-0.0394
Gm07	42989164	42990162	Gmdrm	hypo	CHH	-0.0192
Gm07	43027193	43028152	Gmdrm	hypo	CHH	-0.0169
Gm07	43069197	43070176	Gmdrm	hypo	CHH	-0.0943
Gm07	43074595	43075589	Gmdrm	hypo	CHH	-0.0338
Gm07	43082455	43083450	Gmdrm	hypo	CHH	-0.099
Gm07	43083457	43084437	Gmdrm	hypo	CHH	-0.1103
Gm07	43084463	43085457	Gmdrm	hypo	CHH	-0.0829
Gm07	43085943	43086934	Gmdrm	hypo	CHH	-0.0307
Gm07	43110846	43111783	Gmdrm	hypo	CHH	-0.0173
Gm07	43120997	43121982	Gmdrm	hypo	CHH	-0.0832
Gm07	43124534	43125524	Gmdrm	hypo	CHH	-0.082
Gm07	43125539	43126192	Gmdrm	hypo	CHH	-0.3961
Gm07	43132819	43133816	Gmdrm	hypo	CHH	-0.1167
Gm07	43150772	43151524	Gmdrm	hypo	CHH	-0.0335
Gm07	43151929	43152925	Gmdrm	hypo	CHH	-0.1189
Gm07	43152930	43153903	Gmdrm	hypo	CHH	-0.2326
Gm07	43153993	43154938	Gmdrm	hypo	CHH	-0.1538
Gm07	43158501	43159501	Gmdrm	hypo	CHH	-0.2119
Gm07	43164682	43165670	Gmdrm	hypo	CHH	-0.0118
Gm07	43171102	43171283	Gmdrm	hypo	CHH	-0.0513
Gm07	43185370	43186342	Gmdrm	hypo	CHH	-0.089
Gm07	43190442	43191416	Gmdrm	hypo	CHH	-0.0262
Gm07	43207544	43208536	Gmdrm	hypo	CHH	-0.023
Gm07	43220169	43221155	Gmdrm	hypo	CHH	-0.0122
Gm07	43223087	43224086	Gmdrm	hypo	CHH	-0.019
Gm07	43259215	43260189	Gmdrm	hypo	CHH	-0.0624
Gm07	43263217	43264186	Gmdrm	hypo	CHH	-0.0185
Gm07	43264224	43265191	Gmdrm	hypo	CHH	-0.0183
Gm07	43279029	43279948	Gmdrm	hypo	CHH	-0.0237
Gm07	43297978	43298922	Gmdrm	hypo	CHH	-0.0148
Gm07	43314331	43315330	Gmdrm	hypo	CHH	-0.0181
Gm07	43318406	43319402	Gmdrm	hypo	CHH	-0.0202
Gm07	43319417	43320400	Gmdrm	hypo	CHH	-0.0196
Gm07	43322445	43323441	Gmdrm	hypo	CHH	-0.032

Gm07	43331988	43332767	Gmdrm	hypo	CHH	-0.0187
Gm07	43336857	43337057	Gmdrm	hypo	CHH	-0.1037
Gm07	43337163	43338128	Gmdrm	hypo	CHH	-0.0867
Gm07	43338851	43339827	Gmdrm	hypo	CHH	-0.0159
Gm07	43342720	43343720	Gmdrm	hypo	CHH	-0.0141
Gm07	43354739	43355735	Gmdrm	hypo	CHH	-0.0121
Gm07	43364471	43365100	Gmdrm	hypo	CHH	-0.027
Gm07	43379707	43380702	Gmdrm	hypo	CHH	-0.0198
Gm07	43381746	43382743	Gmdrm	hypo	CHH	-0.0193
Gm07	43382757	43383750	Gmdrm	hypo	CHH	-0.0255
Gm07	43383765	43384595	Gmdrm	hypo	CHH	-0.0193
Gm07	43390595	43391595	Gmdrm	hypo	CHH	-0.0256
Gm07	43391659	43391768	Gmdrm	hypo	CHH	-0.0667
Gm07	43399602	43400597	Gmdrm	hypo	CHH	-0.0514
Gm07	43403154	43404055	Gmdrm	hypo	CHH	-0.2919
Gm07	43406490	43407471	Gmdrm	hypo	CHH	-0.0314
Gm07	43414641	43415640	Gmdrm	hypo	CHH	-0.0555
Gm07	43416652	43417612	Gmdrm	hypo	CHH	-0.0566
Gm07	43417656	43418643	Gmdrm	hypo	CHH	-0.0172
Gm07	43424470	43425465	Gmdrm	hypo	CHH	-0.0732
Gm07	43425495	43426491	Gmdrm	hypo	CHH	-0.0548
Gm07	43426498	43427476	Gmdrm	hypo	CHH	-0.0502
Gm07	43427513	43428510	Gmdrm	hypo	CHH	-0.0144
Gm07	43442931	43443924	Gmdrm	hypo	CHH	-0.0247
Gm07	43452843	43453833	Gmdrm	hypo	CHH	-0.0515
Gm07	43456868	43457862	Gmdrm	hypo	CHH	-0.0853
Gm07	43457875	43458429	Gmdrm	hypo	CHH	-0.1765
Gm07	43497937	43498309	Gmdrm	hypo	CHH	-0.0262
Gm07	43502071	43503036	Gmdrm	hypo	CHH	-0.2033
Gm07	43503079	43504079	Gmdrm	hypo	CHH	-0.0441
Gm07	43508847	43509189	Gmdrm	hypo	CHH	-0.0295
Gm07	43526698	43527680	Gmdrm	hypo	CHH	-0.0202
Gm07	43533580	43534574	Gmdrm	hypo	CHH	-0.0134
Gm07	43557526	43558523	Gmdrm	hypo	CHH	-0.1511
Gm07	43560591	43561578	Gmdrm	hypo	CHH	-0.0202
Gm07	43568819	43569808	Gmdrm	hypo	CHH	-0.0282
Gm07	43588356	43589351	Gmdrm	hypo	CHH	-0.0228
Gm07	43592327	43593316	Gmdrm	hypo	CHH	-0.1982
Gm07	43596164	43597126	Gmdrm	hypo	CHH	-0.0166
Gm07	43599735	43600735	Gmdrm	hypo	CHH	-0.0145
Gm07	43600751	43601750	Gmdrm	hypo	CHH	-0.0206
Gm07	43616822	43617805	Gmdrm	hypo	CHH	-0.0193
Gm07	43620127	43621125	Gmdrm	hypo	CHH	-0.0192
Gm07	43650034	43651034	Gmdrm	hypo	CHH	-0.0139
Gm07	43655167	43655605	Gmdrm	hypo	CHH	-0.0837
Gm07	43659335	43660332	Gmdrm	hypo	CHH	-0.0345

Gm07	43660338	43661332	Gmdrm	hypo	CHH	-0.0969
Gm07	43662346	43663345	Gmdrm	hypo	CHH	-0.0216
Gm07	43671601	43672588	Gmdrm	hypo	CHH	-0.0352
Gm07	43672602	43672974	Gmdrm	hypo	CHH	-0.2577
Gm07	43673318	43674316	Gmdrm	hypo	CHH	-0.0818
Gm07	43674383	43675383	Gmdrm	hypo	CHH	-0.0132
Gm07	43684914	43685595	Gmdrm	hypo	CHH	-0.0172
Gm07	43688736	43689673	Gmdrm	hypo	CHH	-0.07
Gm07	43689780	43690780	Gmdrm	hypo	CHH	-0.1352
Gm07	43690835	43691829	Gmdrm	hypo	CHH	-0.0632
Gm07	43693966	43694259	Gmdrm	hypo	CHH	-0.0663
Gm07	43699059	43700059	Gmdrm	hypo	CHH	-0.1127
Gm07	43700070	43701062	Gmdrm	hypo	CHH	-0.2018
Gm07	43711025	43712021	Gmdrm	hypo	CHH	-0.0264
Gm07	43717805	43718795	Gmdrm	hypo	CHH	-0.0422
Gm07	43725349	43726174	Gmdrm	hypo	CHH	-0.0266
Gm07	43727943	43728256	Gmdrm	hypo	CHH	-0.0292
Gm07	43731661	43731918	Gmdrm	hypo	CHH	-0.0666
Gm07	43738307	43739298	Gmdrm	hypo	CHH	-0.029
Gm07	43753752	43754747	Gmdrm	hypo	CHH	-0.02
Gm07	43762855	43763855	Gmdrm	hypo	CHH	-0.148
Gm07	43763856	43764817	Gmdrm	hypo	CHH	-0.2825
Gm07	43781498	43782096	Gmdrm	hypo	CHH	-0.0302
Gm07	43786249	43786967	Gmdrm	hypo	CHH	-0.0424
Gm07	43787393	43787532	Gmdrm	hypo	CHH	-0.0486
Gm07	43794929	43795926	Gmdrm	hypo	CHH	-0.0434
Gm07	43795956	43796951	Gmdrm	hypo	CHH	-0.0521
Gm07	43799788	43800776	Gmdrm	hypo	CHH	-0.0115
Gm07	43800816	43801683	Gmdrm	hypo	CHH	-0.0868
Gm07	43806839	43807829	Gmdrm	hypo	CHH	-0.018
Gm07	43831172	43832170	Gmdrm	hypo	CHH	-0.0508
Gm07	43844426	43845374	Gmdrm	hypo	CHH	-0.1499
Gm07	43845444	43846441	Gmdrm	hypo	CHH	-0.0148
Gm07	43846446	43846911	Gmdrm	hypo	CHH	-0.0335
Gm07	43847156	43848060	Gmdrm	hypo	CHH	-0.0309
Gm07	43861297	43862284	Gmdrm	hypo	CHH	-0.2777
Gm07	43862304	43863268	Gmdrm	hypo	CHH	-0.1217
Gm07	43870674	43871668	Gmdrm	hypo	CHH	-0.2307
Gm07	43871675	43872665	Gmdrm	hypo	CHH	-0.1899
Gm07	43878028	43879027	Gmdrm	hypo	CHH	-0.1331
Gm07	43879033	43879162	Gmdrm	hypo	CHH	-0.3288
Gm07	43892199	43893190	Gmdrm	hypo	CHH	-0.0433
Gm07	43893203	43893834	Gmdrm	hypo	CHH	-0.0501
Gm07	43907120	43907398	Gmdrm	hypo	CHH	-0.0245
Gm07	43908577	43909573	Gmdrm	hypo	CHH	-0.0257
Gm07	43909584	43910527	Gmdrm	hypo	CHH	-0.0253

Gm07	43915127	43916099	Gmdrm	hypo	CHH	-0.038
Gm07	43928592	43929581	Gmdrm	hypo	CHH	-0.0118
Gm07	43930611	43931602	Gmdrm	hypo	CHH	-0.0327
Gm07	43949300	43950297	Gmdrm	hypo	CHH	-0.021
Gm07	43950304	43951297	Gmdrm	hypo	CHH	-0.1503
Gm07	43951305	43952282	Gmdrm	hypo	CHH	-0.0358
Gm07	43957255	43958249	Gmdrm	hypo	CHH	-0.0149
Gm07	43965356	43966317	Gmdrm	hypo	CHH	-0.0127
Gm07	43972457	43973428	Gmdrm	hypo	CHH	-0.0232
Gm07	44001261	44001908	Gmdrm	hypo	CHH	-0.0285
Gm07	44002015	44002782	Gmdrm	hypo	CHH	-0.0296
Gm07	44003920	44004824	Gmdrm	hypo	CHH	-0.0175
Gm07	44004956	44005947	Gmdrm	hypo	CHH	-0.0275
Gm07	44013117	44013710	Gmdrm	hypo	CHH	-0.0587
Gm07	44026903	44027888	Gmdrm	hypo	CHH	-0.0245
Gm07	44032903	44033901	Gmdrm	hypo	CHH	-0.0168
Gm07	44044156	44045145	Gmdrm	hypo	CHH	-0.0125
Gm07	44046197	44047189	Gmdrm	hypo	CHH	-0.0902
Gm07	44047198	44048183	Gmdrm	hypo	CHH	-0.1758
Gm07	44058694	44059680	Gmdrm	hypo	CHH	-0.0192
Gm07	44062483	44063479	Gmdrm	hypo	CHH	-0.0188
Gm07	44074882	44075873	Gmdrm	hypo	CHH	-0.0228
Gm07	44097752	44098732	Gmdrm	hypo	CHH	-0.0179
Gm07	44102624	44102787	Gmdrm	hypo	CHH	-0.054
Gm07	44109885	44110884	Gmdrm	hypo	CHH	-0.0215
Gm07	44116449	44116893	Gmdrm	hypo	CHH	-0.0308
Gm07	44118274	44119268	Gmdrm	hypo	CHH	-0.0163
Gm07	44119277	44120277	Gmdrm	hypo	CHH	-0.0109
Gm07	44128165	44129129	Gmdrm	hypo	CHH	-0.0209
Gm07	44153792	44154792	Gmdrm	hypo	CHH	-0.1479
Gm07	44154802	44155779	Gmdrm	hypo	CHH	-0.1871
Gm07	44162281	44162732	Gmdrm	hypo	CHH	-0.0225
Gm07	44168828	44169516	Gmdrm	hypo	CHH	-0.0748
Gm07	44173010	44174007	Gmdrm	hypo	CHH	-0.0586
Gm07	44179570	44180542	Gmdrm	hypo	CHH	-0.0145
Gm07	44188979	44189959	Gmdrm	hypo	CHH	-0.1117
Gm07	44190332	44191296	Gmdrm	hypo	CHH	-0.1136
Gm07	44213841	44214768	Gmdrm	hypo	CHH	-0.0191
Gm07	44215776	44216726	Gmdrm	hypo	CHH	-0.0425
Gm07	44222465	44223450	Gmdrm	hypo	CHH	-0.2422
Gm07	44225495	44226492	Gmdrm	hypo	CHH	-0.0575
Gm07	44228506	44229498	Gmdrm	hypo	CHH	-0.0709
Gm07	44231281	44232258	Gmdrm	hypo	CHH	-0.0407
Gm07	44249928	44250043	Gmdrm	hypo	CHH	-0.0686
Gm07	44259324	44260305	Gmdrm	hypo	CHH	-0.1332
Gm07	44267913	44268906	Gmdrm	hypo	CHH	-0.2039

Gm07	44268918	44269656 Gmdrm	hypo	CHH	-0.2196
Gm07	44278825	44278954 Gmdrm	hypo	CHH	-0.0914
Gm07	44279316	44280302 Gmdrm	hypo	CHH	-0.0962
Gm07	44281229	44282136 Gmdrm	hypo	CHH	-0.0295
Gm07	44287722	44288190 Gmdrm	hypo	CHH	-0.0346
Gm07	44294673	44295671 Gmdrm	hypo	CHH	-0.038
Gm07	44296479	44296637 Gmdrm	hypo	CHH	-0.0387
Gm07	44298954	44299860 Gmdrm	hypo	CHH	-0.1381
Gm07	44306190	44307102 Gmdrm	hypo	CHH	-0.0656
Gm07	44307398	44308370 Gmdrm	hypo	CHH	-0.03
Gm07	44325353	44326350 Gmdrm	hypo	CHH	-0.1112
Gm07	44336831	44337822 Gmdrm	hypo	CHH	-0.0289
Gm07	44346217	44347212 Gmdrm	hypo	CHH	-0.0501
Gm07	44354646	44355625 Gmdrm	hypo	CHH	-0.0297
Gm07	44365160	44366127 Gmdrm	hypo	CHH	-0.0338
Gm07	44366169	44367135 Gmdrm	hypo	CHH	-0.0216
Gm07	44368180	44369138 Gmdrm	hypo	CHH	-0.0211
Gm07	44370222	44371220 Gmdrm	hypo	CHH	-0.0234
Gm07	44392148	44392949 Gmdrm	hypo	CHH	-0.0253
Gm07	44396430	44397092 Gmdrm	hypo	CHH	-0.08
Gm07	44398920	44399049 Gmdrm	hypo	CHH	-0.0467
Gm07	44399353	44400343 Gmdrm	hypo	CHH	-0.0173
Gm07	44408343	44408636 Gmdrm	hypo	CHH	-0.0627
Gm07	44416062	44417042 Gmdrm	hypo	CHH	-0.2032
Gm07	44423806	44424806 Gmdrm	hypo	CHH	-0.0245
Gm07	44437862	44438246 Gmdrm	hypo	CHH	-0.0224
Gm07	44438973	44439972 Gmdrm	hypo	CHH	-0.0812
Gm07	44439992	44440992 Gmdrm	hypo	CHH	-0.0822
Gm07	44442319	44443312 Gmdrm	hypo	CHH	-0.0239
Gm07	44454165	44455159 Gmdrm	hypo	CHH	-0.0604
Gm07	44455168	44455893 Gmdrm	hypo	CHH	-0.0812
Gm07	44457399	44458399 Gmdrm	hypo	CHH	-0.238
Gm07	44458401	44459358 Gmdrm	hypo	CHH	-0.136
Gm07	44464448	44465422 Gmdrm	hypo	CHH	-0.0197
Gm07	44474455	44475454 Gmdrm	hypo	CHH	-0.0243
Gm07	44479830	44480035 Gmdrm	hypo	CHH	-0.0766
Gm07	44480233	44481230 Gmdrm	hypo	CHH	-0.0283
Gm07	44481260	44482257 Gmdrm	hypo	CHH	-0.0138
Gm07	44485014	44485583 Gmdrm	hypo	CHH	-0.0295
Gm07	44487706	44488704 Gmdrm	hypo	CHH	-0.0557
Gm07	44488707	44489679 Gmdrm	hypo	CHH	-0.0676
Gm07	44494909	44495903 Gmdrm	hypo	CHH	-0.0144
Gm07	44501701	44502692 Gmdrm	hypo	CHH	-0.0193
Gm07	44505404	44506401 Gmdrm	hypo	CHH	-0.1513
Gm07	44506414	44507384 Gmdrm	hypo	CHH	-0.1669
Gm07	44507435	44508435 Gmdrm	hypo	CHH	-0.1414

Gm07	44508439	44509030	Gmdrm	hypo	CHH	-0.2459
Gm07	44512594	44513581	Gmdrm	hypo	CHH	-0.0215
Gm07	44513596	44514593	Gmdrm	hypo	CHH	-0.084
Gm07	44518583	44519581	Gmdrm	hypo	CHH	-0.0179
Gm07	44519592	44519887	Gmdrm	hypo	CHH	-0.023
Gm07	44526078	44527075	Gmdrm	hypo	CHH	-0.0377
Gm07	44527084	44527286	Gmdrm	hypo	CHH	-0.02
Gm07	44564234	44565227	Gmdrm	hypo	CHH	-0.3905
Gm07	44566793	44567766	Gmdrm	hypo	CHH	-0.0325
Gm07	44580152	44581150	Gmdrm	hypo	CHH	-0.0599
Gm07	44584643	44585634	Gmdrm	hypo	CHH	-0.009
Gm07	44597280	44597356	Gmdrm	hypo	CHH	-0.0288
Gm07	44612726	44613725	Gmdrm	hypo	CHH	-0.0238
Gm07	44613755	44614739	Gmdrm	hypo	CHH	-0.0255
Gm07	44614773	44615725	Gmdrm	hypo	CHH	-0.0211
Gm07	44618413	44619195	Gmdrm	hypo	CHH	-0.0135
Gm07	44621916	44622541	Gmdrm	hypo	CHH	-0.0407
Gm07	44636766	44637760	Gmdrm	hypo	CHH	-0.0218
Gm07	44670284	44670530	Gmdrm	hypo	CHH	-0.0622
Gm07	44671655	44672638	Gmdrm	hypo	CHH	-0.1627
Gm07	44680886	44681865	Gmdrm	hypo	CHH	-0.0122
Gm07	44692226	44693222	Gmdrm	hypo	CHH	-0.0488
Gm07	44693253	44694211	Gmdrm	hypo	CHH	-0.1655
Gm07	44698802	44699787	Gmdrm	hypo	CHH	-0.2836
Gm07	44699806	44700799	Gmdrm	hypo	CHH	-0.2256
Gm07	44702835	44703442	Gmdrm	hypo	CHH	-0.031
Gm07	44703762	44704762	Gmdrm	hypo	CHH	-0.0213
Gm07	44719964	44720940	Gmdrm	hypo	CHH	-0.0288
Gm07	44721001	44721994	Gmdrm	hypo	CHH	-0.071
Gm07	44726319	44727311	Gmdrm	hypo	CHH	-0.1465
Gm07	44732114	44733113	Gmdrm	hypo	CHH	-0.2052
Gm07	44733115	44734063	Gmdrm	hypo	CHH	-0.1893
Gm07	44735629	44736512	Gmdrm	hypo	CHH	-0.0533
Gm07	44741872	44742852	Gmdrm	hypo	CHH	-0.2585
Gm07	44744361	44745295	Gmdrm	hypo	CHH	-0.0143
Gm07	44759736	44760711	Gmdrm	hypo	CHH	-0.0884
Gm07	44760754	44761456	Gmdrm	hypo	CHH	-0.0267
Gm07	44765880	44766814	Gmdrm	hypo	CHH	-0.1409
Gm07	44789844	44789930	Gmdrm	hypo	CHH	-0.048
Gm07	44791112	44792111	Gmdrm	hypo	CHH	-0.0196
Gm07	44792608	44793598	Gmdrm	hypo	CHH	-0.0548
Gm07	44793622	44794596	Gmdrm	hypo	CHH	-0.0429
Gm07	44801529	44802514	Gmdrm	hypo	CHH	-0.0192
Gm07	44812117	44812441	Gmdrm	hypo	CHH	-0.0895
Gm07	44812687	44813684	Gmdrm	hypo	CHH	-0.0928
Gm07	44813698	44814388	Gmdrm	hypo	CHH	-0.0347

Gm07	44822528	44823525	Gmdrm	hypo	CHH	-0.0256
Gm07	44837156	44837687	Gmdrm	hypo	CHH	-0.0311
Gm07	44841160	44841725	Gmdrm	hypo	CHH	-0.0393
Gm07	44846836	44847835	Gmdrm	hypo	CHH	-0.0475
Gm07	44855134	44855861	Gmdrm	hypo	CHH	-0.0318
Gm07	44861305	44861867	Gmdrm	hypo	CHH	-0.0209
Gm07	44864141	44865140	Gmdrm	hypo	CHH	-0.171
Gm07	44865145	44865405	Gmdrm	hypo	CHH	-0.1509
Gm07	44865760	44866756	Gmdrm	hypo	CHH	-0.1257
Gm07	44866761	44867705	Gmdrm	hypo	CHH	-0.0413
Gm07	44874285	44874352	Gmdrm	hypo	CHH	-0.06
Gm07	44875453	44876447	Gmdrm	hypo	CHH	-0.0376
Gm07	44876493	44877493	Gmdrm	hypo	CHH	-0.058
Gm07	44886571	44887571	Gmdrm	hypo	CHH	-0.0685
Gm07	44895196	44896195	Gmdrm	hypo	CHH	-0.0691
Gm07	44896197	44897194	Gmdrm	hypo	CHH	-0.056
Gm07	44900220	44901217	Gmdrm	hypo	CHH	-0.0546
Gm07	44901231	44902227	Gmdrm	hypo	CHH	-0.0578
Gm07	44907510	44908487	Gmdrm	hypo	CHH	-0.0349
Gm07	44919118	44919907	Gmdrm	hypo	CHH	-0.0361
Gm07_scaffo	175	1153	Gmdrm	hypo	CHH	-0.0166
Gm07_scaffo	10277	10822	Gmdrm	hypo	CHH	-0.0967
Gm07_scaffo	18255	19250	Gmdrm	hypo	CHH	-0.0259
Gm07_scaffo	74507	75507	Gmdrm	hypo	CHH	-0.0513
Gm07_scaffo	75514	76490	Gmdrm	hypo	CHH	-0.1015
Gm07_scaffo	79030	80015	Gmdrm	hypo	CHH	-0.0198
Gm07_scaffo	91924	92924	Gmdrm	hypo	CHH	-0.0215
Gm07_scaffo	92949	93901	Gmdrm	hypo	CHH	-0.0153
Gm07_scaffo	97413	98382	Gmdrm	hypo	CHH	-0.0342
Gm07_scaffo	105107	106085	Gmdrm	hypo	CHH	-0.0151
Gm07_scaffo	108120	109119	Gmdrm	hypo	CHH	-0.2387
Gm07_scaffo	109847	110846	Gmdrm	hypo	CHH	-0.0194
Gm07_scaffo	110858	111779	Gmdrm	hypo	CHH	-0.0115
Gm07_scaffo	114264	114532	Gmdrm	hypo	CHH	-0.0874
Gm08	12295	13290	Gmdrm	hypo	CHH	-0.0963
Gm08	32424	32757	Gmdrm	hypo	CHH	-0.0544
Gm08	33041	34040	Gmdrm	hypo	CHH	-0.0446
Gm08	42329	43290	Gmdrm	hypo	CHH	-0.0262
Gm08	56642	57620	Gmdrm	hypo	CHH	-0.0119
Gm08	62859	63450	Gmdrm	hypo	CHH	-0.0429
Gm08	73460	74458	Gmdrm	hypo	CHH	-0.1465
Gm08	74480	75477	Gmdrm	hypo	CHH	-0.0605
Gm08	75484	76312	Gmdrm	hypo	CHH	-0.0797
Gm08	87503	88501	Gmdrm	hypo	CHH	-0.0204
Gm08	105250	106244	Gmdrm	hypo	CHH	-0.0566
Gm08	107328	108327	Gmdrm	hypo	CHH	-0.0968

Gm08	108331	109320 Gmdrm	hypo	CHH	-0.0887
Gm08	122017	123002 Gmdrm	hypo	CHH	-0.0311
Gm08	147057	147199 Gmdrm	hypo	CHH	-0.1139
Gm08	153627	154161 Gmdrm	hypo	CHH	-0.0387
Gm08	158724	159707 Gmdrm	hypo	CHH	-0.0914
Gm08	160759	161758 Gmdrm	hypo	CHH	-0.0524
Gm08	161760	162316 Gmdrm	hypo	CHH	-0.0452
Gm08	172440	173387 Gmdrm	hypo	CHH	-0.0243
Gm08	201194	202192 Gmdrm	hypo	CHH	-0.0198
Gm08	203245	204244 Gmdrm	hypo	CHH	-0.0344
Gm08	204252	205248 Gmdrm	hypo	CHH	-0.0415
Gm08	223107	224105 Gmdrm	hypo	CHH	-0.252
Gm08	224109	224798 Gmdrm	hypo	CHH	-0.2665
Gm08	229284	229539 Gmdrm	hypo	CHH	-0.0211
Gm08	229640	229929 Gmdrm	hypo	CHH	-0.0589
Gm08	236355	237344 Gmdrm	hypo	CHH	-0.0169
Gm08	237359	238359 Gmdrm	hypo	CHH	-0.0121
Gm08	243730	244391 Gmdrm	hypo	CHH	-0.0208
Gm08	261599	262405 Gmdrm	hypo	CHH	-0.0211
Gm08	277679	278679 Gmdrm	hypo	CHH	-0.0249
Gm08	285657	286638 Gmdrm	hypo	CHH	-0.0211
Gm08	289815	290798 Gmdrm	hypo	CHH	-0.0219
Gm08	313311	314293 Gmdrm	hypo	CHH	-0.0428
Gm08	322110	322255 Gmdrm	hypo	CHH	-0.029
Gm08	329013	329383 Gmdrm	hypo	CHH	-0.0423
Gm08	330512	331510 Gmdrm	hypo	CHH	-0.0222
Gm08	335698	336544 Gmdrm	hypo	CHH	-0.0192
Gm08	340538	341533 Gmdrm	hypo	CHH	-0.0824
Gm08	341553	342545 Gmdrm	hypo	CHH	-0.0532
Gm08	343557	344550 Gmdrm	hypo	CHH	-0.0727
Gm08	354127	355112 Gmdrm	hypo	CHH	-0.0287
Gm08	358435	358717 Gmdrm	hypo	CHH	-0.0228
Gm08	363763	364263 Gmdrm	hypo	CHH	-0.0722
Gm08	364595	365347 Gmdrm	hypo	CHH	-0.1567
Gm08	368993	369953 Gmdrm	hypo	CHH	-0.0541
Gm08	377728	378713 Gmdrm	hypo	CHH	-0.0272
Gm08	384342	385321 Gmdrm	hypo	CHH	-0.026
Gm08	389464	390446 Gmdrm	hypo	CHH	-0.0178
Gm08	392582	393545 Gmdrm	hypo	CHH	-0.0395
Gm08	403421	404418 Gmdrm	hypo	CHH	-0.0188
Gm08	409788	410787 Gmdrm	hypo	CHH	-0.0211
Gm08	410792	411663 Gmdrm	hypo	CHH	-0.0664
Gm08	412525	413524 Gmdrm	hypo	CHH	-0.0745
Gm08	413531	414517 Gmdrm	hypo	CHH	-0.04
Gm08	422954	423953 Gmdrm	hypo	CHH	-0.0241
Gm08	423962	424952 Gmdrm	hypo	CHH	-0.0121

Gm08	430265	431229 Gmdrm	hypo	CHH	-0.0609
Gm08	431272	432270 Gmdrm	hypo	CHH	-0.0289
Gm08	434669	435664 Gmdrm	hypo	CHH	-0.0164
Gm08	454757	455755 Gmdrm	hypo	CHH	-0.0216
Gm08	486584	487584 Gmdrm	hypo	CHH	-0.2663
Gm08	498229	499228 Gmdrm	hypo	CHH	-0.0123
Gm08	516279	517249 Gmdrm	hypo	CHH	-0.025
Gm08	519355	519511 Gmdrm	hypo	CHH	-0.0917
Gm08	538762	539632 Gmdrm	hypo	CHH	-0.0138
Gm08	544277	545239 Gmdrm	hypo	CHH	-0.0426
Gm08	551254	552127 Gmdrm	hypo	CHH	-0.0337
Gm08	552274	553272 Gmdrm	hypo	CHH	-0.0149
Gm08	554319	555318 Gmdrm	hypo	CHH	-0.0473
Gm08	556330	557327 Gmdrm	hypo	CHH	-0.0141
Gm08	571064	572064 Gmdrm	hypo	CHH	-0.0172
Gm08	585044	585077 Gmdrm	hypo	CHH	-0.054
Gm08	591904	592895 Gmdrm	hypo	CHH	-0.0171
Gm08	602569	603542 Gmdrm	hypo	CHH	-0.0219
Gm08	608928	609906 Gmdrm	hypo	CHH	-0.0237
Gm08	610986	611976 Gmdrm	hypo	CHH	-0.1203
Gm08	629404	630386 Gmdrm	hypo	CHH	-0.0242
Gm08	631423	632400 Gmdrm	hypo	CHH	-0.1561
Gm08	632635	633579 Gmdrm	hypo	CHH	-0.0359
Gm08	654524	655524 Gmdrm	hypo	CHH	-0.0525
Gm08	655526	656483 Gmdrm	hypo	CHH	-0.3825
Gm08	671320	671555 Gmdrm	hypo	CHH	-0.0928
Gm08	685924	686625 Gmdrm	hypo	CHH	-0.032
Gm08	699099	700086 Gmdrm	hypo	CHH	-0.0157
Gm08	704071	705068 Gmdrm	hypo	CHH	-0.0485
Gm08	705075	706071 Gmdrm	hypo	CHH	-0.1412
Gm08	712585	713151 Gmdrm	hypo	CHH	-0.0204
Gm08	716298	716380 Gmdrm	hypo	CHH	-0.0414
Gm08	717488	718375 Gmdrm	hypo	CHH	-0.2241
Gm08	719736	720717 Gmdrm	hypo	CHH	-0.018
Gm08	743032	744030 Gmdrm	hypo	CHH	-0.0188
Gm08	749305	750225 Gmdrm	hypo	CHH	-0.057
Gm08	757769	758762 Gmdrm	hypo	CHH	-0.0377
Gm08	769544	770544 Gmdrm	hypo	CHH	-0.0512
Gm08	770545	771536 Gmdrm	hypo	CHH	-0.0848
Gm08	771546	772511 Gmdrm	hypo	CHH	-0.2021
Gm08	777402	778401 Gmdrm	hypo	CHH	-0.0343
Gm08	778404	779388 Gmdrm	hypo	CHH	-0.0678
Gm08	787512	788504 Gmdrm	hypo	CHH	-0.0143
Gm08	788522	789510 Gmdrm	hypo	CHH	-0.0264
Gm08	793927	794925 Gmdrm	hypo	CHH	-0.0739
Gm08	794929	795911 Gmdrm	hypo	CHH	-0.0635

Gm08	799922	800922 Gmdrm	hypo	CHH	-0.0155
Gm08	801932	802931 Gmdrm	hypo	CHH	-0.0756
Gm08	806014	806672 Gmdrm	hypo	CHH	-0.0128
Gm08	807177	808114 Gmdrm	hypo	CHH	-0.0213
Gm08	824584	825567 Gmdrm	hypo	CHH	-0.0333
Gm08	826183	827125 Gmdrm	hypo	CHH	-0.0324
Gm08	830717	831716 Gmdrm	hypo	CHH	-0.107
Gm08	831718	832717 Gmdrm	hypo	CHH	-0.1
Gm08	833732	834732 Gmdrm	hypo	CHH	-0.1882
Gm08	836696	837655 Gmdrm	hypo	CHH	-0.067
Gm08	837710	838685 Gmdrm	hypo	CHH	-0.0192
Gm08	842380	842512 Gmdrm	hypo	CHH	-0.4191
Gm08	842798	843770 Gmdrm	hypo	CHH	-0.1285
Gm08	845847	846847 Gmdrm	hypo	CHH	-0.2253
Gm08	846848	847300 Gmdrm	hypo	CHH	-0.1734
Gm08	850596	851564 Gmdrm	hypo	CHH	-0.0122
Gm08	873602	874474 Gmdrm	hypo	CHH	-0.029
Gm08	878638	879638 Gmdrm	hypo	CHH	-0.0574
Gm08	879646	880631 Gmdrm	hypo	CHH	-0.071
Gm08	880662	881662 Gmdrm	hypo	CHH	-0.2498
Gm08	908383	908889 Gmdrm	hypo	CHH	-0.0648
Gm08	909006	909987 Gmdrm	hypo	CHH	-0.0488
Gm08	914109	915042 Gmdrm	hypo	CHH	-0.2802
Gm08	916275	916501 Gmdrm	hypo	CHH	-0.0442
Gm08	916607	917596 Gmdrm	hypo	CHH	-0.02
Gm08	926485	927485 Gmdrm	hypo	CHH	-0.1131
Gm08	927487	928487 Gmdrm	hypo	CHH	-0.0264
Gm08	929753	930657 Gmdrm	hypo	CHH	-0.0136
Gm08	931291	932280 Gmdrm	hypo	CHH	-0.0167
Gm08	938836	939810 Gmdrm	hypo	CHH	-0.0375
Gm08	942965	943951 Gmdrm	hypo	CHH	-0.0288
Gm08	956215	957207 Gmdrm	hypo	CHH	-0.0166
Gm08	980232	981218 Gmdrm	hypo	CHH	-0.019
Gm08	982248	983246 Gmdrm	hypo	CHH	-0.034
Gm08	983255	983468 Gmdrm	hypo	CHH	-0.1325
Gm08	990661	991651 Gmdrm	hypo	CHH	-0.0165
Gm08	991666	992660 Gmdrm	hypo	CHH	-0.0202
Gm08	996217	997214 Gmdrm	hypo	CHH	-0.0159
Gm08	1006004	1006356 Gmdrm	hypo	CHH	-0.0343
Gm08	1012643	1013639 Gmdrm	hypo	CHH	-0.1443
Gm08	1013645	1014603 Gmdrm	hypo	CHH	-0.2957
Gm08	1016133	1017132 Gmdrm	hypo	CHH	-0.0126
Gm08	1033665	1034651 Gmdrm	hypo	CHH	-0.0202
Gm08	1039683	1040680 Gmdrm	hypo	CHH	-0.0193
Gm08	1045134	1046125 Gmdrm	hypo	CHH	-0.1809
Gm08	1046137	1047135 Gmdrm	hypo	CHH	-0.1009

Gm08	1052259	1053244	Gmdrm	hypo	CHH	-0.0293
Gm08	1053265	1054252	Gmdrm	hypo	CHH	-0.1452
Gm08	1054266	1055266	Gmdrm	hypo	CHH	-0.134
Gm08	1057477	1058466	Gmdrm	hypo	CHH	-0.1529
Gm08	1060530	1061523	Gmdrm	hypo	CHH	-0.0181
Gm08	1063539	1064391	Gmdrm	hypo	CHH	-0.0172
Gm08	1071689	1072682	Gmdrm	hypo	CHH	-0.0173
Gm08	1080711	1081707	Gmdrm	hypo	CHH	-0.0197
Gm08	1084789	1085787	Gmdrm	hypo	CHH	-0.0678
Gm08	1123950	1124948	Gmdrm	hypo	CHH	-0.1425
Gm08	1124951	1125948	Gmdrm	hypo	CHH	-0.1123
Gm08	1125982	1126304	Gmdrm	hypo	CHH	-0.0308
Gm08	1139890	1140045	Gmdrm	hypo	CHH	-0.0614
Gm08	1145257	1145696	Gmdrm	hypo	CHH	-0.0527
Gm08	1146021	1147002	Gmdrm	hypo	CHH	-0.0295
Gm08	1156768	1157768	Gmdrm	hypo	CHH	-0.0284
Gm08	1165317	1166297	Gmdrm	hypo	CHH	-0.0186
Gm08	1168471	1169471	Gmdrm	hypo	CHH	-0.0572
Gm08	1176552	1177232	Gmdrm	hypo	CHH	-0.0241
Gm08	1177559	1178554	Gmdrm	hypo	CHH	-0.0741
Gm08	1178576	1179560	Gmdrm	hypo	CHH	-0.041
Gm08	1179583	1180543	Gmdrm	hypo	CHH	-0.0143
Gm08	1188504	1189006	Gmdrm	hypo	CHH	-0.03
Gm08	1191038	1192038	Gmdrm	hypo	CHH	-0.0151
Gm08	1205620	1205862	Gmdrm	hypo	CHH	-0.039
Gm08	1208496	1209495	Gmdrm	hypo	CHH	-0.0191
Gm08	1211153	1212153	Gmdrm	hypo	CHH	-0.0197
Gm08	1213192	1214190	Gmdrm	hypo	CHH	-0.0168
Gm08	1219077	1220071	Gmdrm	hypo	CHH	-0.0385
Gm08	1221017	1221962	Gmdrm	hypo	CHH	-0.0127
Gm08	1231122	1232122	Gmdrm	hypo	CHH	-0.3774
Gm08	1237319	1238317	Gmdrm	hypo	CHH	-0.187
Gm08	1238325	1239283	Gmdrm	hypo	CHH	-0.0974
Gm08	1241394	1242009	Gmdrm	hypo	CHH	-0.0195
Gm08	1261330	1261564	Gmdrm	hypo	CHH	-0.0447
Gm08	1261849	1262802	Gmdrm	hypo	CHH	-0.0182
Gm08	1262916	1263491	Gmdrm	hypo	CHH	-0.0238
Gm08	1272042	1273037	Gmdrm	hypo	CHH	-0.0177
Gm08	1286742	1287742	Gmdrm	hypo	CHH	-0.0637
Gm08	1287972	1288920	Gmdrm	hypo	CHH	-0.0223
Gm08	1292796	1293792	Gmdrm	hypo	CHH	-0.3636
Gm08	1293801	1294715	Gmdrm	hypo	CHH	-0.1105
Gm08	1295150	1296148	Gmdrm	hypo	CHH	-0.1659
Gm08	1296154	1296265	Gmdrm	hypo	CHH	-0.1738
Gm08	1308684	1309662	Gmdrm	hypo	CHH	-0.0743
Gm08	1309685	1310675	Gmdrm	hypo	CHH	-0.0457

Gm08	1315518	1316518 Gmdrm	hypo	CHH	-0.1311
Gm08	1316524	1317125 Gmdrm	hypo	CHH	-0.0941
Gm08	1318336	1318874 Gmdrm	hypo	CHH	-0.0237
Gm08	1320217	1321212 Gmdrm	hypo	CHH	-0.0676
Gm08	1322293	1323290 Gmdrm	hypo	CHH	-0.0233
Gm08	1327673	1328648 Gmdrm	hypo	CHH	-0.0761
Gm08	1333190	1334188 Gmdrm	hypo	CHH	-0.0247
Gm08	1334193	1335186 Gmdrm	hypo	CHH	-0.0615
Gm08	1335198	1336194 Gmdrm	hypo	CHH	-0.0987
Gm08	1336199	1337199 Gmdrm	hypo	CHH	-0.0403
Gm08	1342106	1342880 Gmdrm	hypo	CHH	-0.3241
Gm08	1343143	1344140 Gmdrm	hypo	CHH	-0.0732
Gm08	1344158	1345156 Gmdrm	hypo	CHH	-0.012
Gm08	1354131	1354891 Gmdrm	hypo	CHH	-0.0205
Gm08	1380182	1381180 Gmdrm	hypo	CHH	-0.0186
Gm08	1385954	1386946 Gmdrm	hypo	CHH	-0.259
Gm08	1391260	1392260 Gmdrm	hypo	CHH	-0.1226
Gm08	1393391	1394386 Gmdrm	hypo	CHH	-0.0317
Gm08	1394401	1395401 Gmdrm	hypo	CHH	-0.0411
Gm08	1423297	1424297 Gmdrm	hypo	CHH	-0.016
Gm08	1435319	1436292 Gmdrm	hypo	CHH	-0.0182
Gm08	1437743	1438725 Gmdrm	hypo	CHH	-0.0152
Gm08	1445814	1446810 Gmdrm	hypo	CHH	-0.0243
Gm08	1446836	1447831 Gmdrm	hypo	CHH	-0.1627
Gm08	1447838	1448837 Gmdrm	hypo	CHH	-0.0566
Gm08	1458294	1459285 Gmdrm	hypo	CHH	-0.0161
Gm08	1459296	1460285 Gmdrm	hypo	CHH	-0.2639
Gm08	1480707	1481687 Gmdrm	hypo	CHH	-0.1918
Gm08	1493183	1493636 Gmdrm	hypo	CHH	-0.0333
Gm08	1494938	1495935 Gmdrm	hypo	CHH	-0.0491
Gm08	1495939	1496935 Gmdrm	hypo	CHH	-0.0689
Gm08	1497903	1498901 Gmdrm	hypo	CHH	-0.0236
Gm08	1498940	1499490 Gmdrm	hypo	CHH	-0.024
Gm08	1505754	1506748 Gmdrm	hypo	CHH	-0.0782
Gm08	1506761	1507748 Gmdrm	hypo	CHH	-0.0197
Gm08	1507783	1508758 Gmdrm	hypo	CHH	-0.0193
Gm08	1508794	1509773 Gmdrm	hypo	CHH	-0.0916
Gm08	1509801	1510757 Gmdrm	hypo	CHH	-0.0532
Gm08	1510810	1511423 Gmdrm	hypo	CHH	-0.0346
Gm08	1530198	1530537 Gmdrm	hypo	CHH	-0.1597
Gm08	1532899	1533540 Gmdrm	hypo	CHH	-0.0234
Gm08	1533642	1534626 Gmdrm	hypo	CHH	-0.0478
Gm08	1534657	1534886 Gmdrm	hypo	CHH	-0.1284
Gm08	1548028	1549013 Gmdrm	hypo	CHH	-0.2662
Gm08	1550965	1551935 Gmdrm	hypo	CHH	-0.0377
Gm08	1552663	1553645 Gmdrm	hypo	CHH	-0.0479

Gm08	1556001	1556858 Gmdrm	hypo	CHH	-0.0155
Gm08	1568042	1569040 Gmdrm	hypo	CHH	-0.0574
Gm08	1569047	1570045 Gmdrm	hypo	CHH	-0.0423
Gm08	1570084	1571078 Gmdrm	hypo	CHH	-0.0193
Gm08	1574783	1575310 Gmdrm	hypo	CHH	-0.0225
Gm08	1580991	1581967 Gmdrm	hypo	CHH	-0.0166
Gm08	1588430	1589390 Gmdrm	hypo	CHH	-0.0219
Gm08	1591217	1592209 Gmdrm	hypo	CHH	-0.0961
Gm08	1604623	1605617 Gmdrm	hypo	CHH	-0.0242
Gm08	1620408	1621401 Gmdrm	hypo	CHH	-0.0113
Gm08	1621419	1622327 Gmdrm	hypo	CHH	-0.015
Gm08	1628822	1629498 Gmdrm	hypo	CHH	-0.1618
Gm08	1629732	1630728 Gmdrm	hypo	CHH	-0.0612
Gm08	1631833	1632795 Gmdrm	hypo	CHH	-0.0692
Gm08	1634029	1635022 Gmdrm	hypo	CHH	-0.0167
Gm08	1637562	1638555 Gmdrm	hypo	CHH	-0.0114
Gm08	1643715	1644711 Gmdrm	hypo	CHH	-0.0416
Gm08	1650427	1651419 Gmdrm	hypo	CHH	-0.0209
Gm08	1652482	1652778 Gmdrm	hypo	CHH	-0.0243
Gm08	1652884	1653881 Gmdrm	hypo	CHH	-0.0261
Gm08	1655451	1656446 Gmdrm	hypo	CHH	-0.038
Gm08	1673073	1674004 Gmdrm	hypo	CHH	-0.1959
Gm08	1674087	1675079 Gmdrm	hypo	CHH	-0.0927
Gm08	1675095	1675901 Gmdrm	hypo	CHH	-0.018
Gm08	1677880	1678880 Gmdrm	hypo	CHH	-0.0267
Gm08	1678881	1679851 Gmdrm	hypo	CHH	-0.0369
Gm08	1689725	1690713 Gmdrm	hypo	CHH	-0.0108
Gm08	1697243	1698235 Gmdrm	hypo	CHH	-0.0131
Gm08	1718530	1719526 Gmdrm	hypo	CHH	-0.2665
Gm08	1719532	1720530 Gmdrm	hypo	CHH	-0.1882
Gm08	1728173	1729169 Gmdrm	hypo	CHH	-0.0085
Gm08	1740265	1740428 Gmdrm	hypo	CHH	-0.028
Gm08	1740568	1741456 Gmdrm	hypo	CHH	-0.1279
Gm08	1750556	1750900 Gmdrm	hypo	CHH	-0.0341
Gm08	1759722	1760242 Gmdrm	hypo	CHH	-0.0379
Gm08	1760863	1761006 Gmdrm	hypo	CHH	-0.02
Gm08	1769748	1770738 Gmdrm	hypo	CHH	-0.1142
Gm08	1778427	1778779 Gmdrm	hypo	CHH	-0.0355
Gm08	1779899	1780894 Gmdrm	hypo	CHH	-0.0511
Gm08	1780927	1781926 Gmdrm	hypo	CHH	-0.0414
Gm08	1781928	1782925 Gmdrm	hypo	CHH	-0.0643
Gm08	1782930	1783927 Gmdrm	hypo	CHH	-0.0477
Gm08	1788723	1789681 Gmdrm	hypo	CHH	-0.0124
Gm08	1798654	1799618 Gmdrm	hypo	CHH	-0.0156
Gm08	1833173	1834007 Gmdrm	hypo	CHH	-0.0162
Gm08	1848057	1849047 Gmdrm	hypo	CHH	-0.1546

Gm08	1854285	1854738	Gmdrm	hypo	CHH	-0.0262
Gm08	1871060	1872050	Gmdrm	hypo	CHH	-0.0439
Gm08	1874884	1875876	Gmdrm	hypo	CHH	-0.0184
Gm08	1877994	1878611	Gmdrm	hypo	CHH	-0.0869
Gm08	1883174	1884172	Gmdrm	hypo	CHH	-0.0182
Gm08	1886160	1887156	Gmdrm	hypo	CHH	-0.0248
Gm08	1890484	1891483	Gmdrm	hypo	CHH	-0.0139
Gm08	1895515	1896503	Gmdrm	hypo	CHH	-0.0925
Gm08	1925397	1926376	Gmdrm	hypo	CHH	-0.1553
Gm08	1926399	1926963	Gmdrm	hypo	CHH	-0.0492
Gm08	1934188	1935174	Gmdrm	hypo	CHH	-0.0145
Gm08	1940350	1941347	Gmdrm	hypo	CHH	-0.087
Gm08	1941354	1942352	Gmdrm	hypo	CHH	-0.0547
Gm08	1946531	1947509	Gmdrm	hypo	CHH	-0.0176
Gm08	1948312	1949302	Gmdrm	hypo	CHH	-0.0541
Gm08	1949321	1950321	Gmdrm	hypo	CHH	-0.0626
Gm08	1950324	1951296	Gmdrm	hypo	CHH	-0.0187
Gm08	1957221	1958176	Gmdrm	hypo	CHH	-0.0128
Gm08	1961284	1961999	Gmdrm	hypo	CHH	-0.0149
Gm08	1965748	1966102	Gmdrm	hypo	CHH	-0.038
Gm08	1969452	1969658	Gmdrm	hypo	CHH	-0.0359
Gm08	1976490	1977487	Gmdrm	hypo	CHH	-0.018
Gm08	1984354	1985314	Gmdrm	hypo	CHH	-0.0428
Gm08	1985376	1986363	Gmdrm	hypo	CHH	-0.0554
Gm08	2004967	2005951	Gmdrm	hypo	CHH	-0.0176
Gm08	2011159	2012141	Gmdrm	hypo	CHH	-0.1413
Gm08	2028995	2029354	Gmdrm	hypo	CHH	-0.0214
Gm08	2043123	2044122	Gmdrm	hypo	CHH	-0.0166
Gm08	2044131	2045121	Gmdrm	hypo	CHH	-0.0171
Gm08	2045222	2046218	Gmdrm	hypo	CHH	-0.0268
Gm08	2047225	2047591	Gmdrm	hypo	CHH	-0.0416
Gm08	2061334	2062238	Gmdrm	hypo	CHH	-0.1436
Gm08	2069685	2070685	Gmdrm	hypo	CHH	-0.0303
Gm08	2070696	2071695	Gmdrm	hypo	CHH	-0.0712
Gm08	2071702	2072603	Gmdrm	hypo	CHH	-0.0462
Gm08	2073723	2074674	Gmdrm	hypo	CHH	-0.0202
Gm08	2081377	2082358	Gmdrm	hypo	CHH	-0.0262
Gm08	2082390	2083078	Gmdrm	hypo	CHH	-0.0438
Gm08	2094501	2095468	Gmdrm	hypo	CHH	-0.0274
Gm08	2096415	2096530	Gmdrm	hypo	CHH	-0.0516
Gm08	2099983	2100978	Gmdrm	hypo	CHH	-0.0663
Gm08	2100987	2101937	Gmdrm	hypo	CHH	-0.077
Gm08	2103356	2103840	Gmdrm	hypo	CHH	-0.0344
Gm08	2123477	2124472	Gmdrm	hypo	CHH	-0.0379
Gm08	2125544	2126543	Gmdrm	hypo	CHH	-0.0421
Gm08	2126548	2127536	Gmdrm	hypo	CHH	-0.0423

Gm08	2129232	2130206	Gmdrm	hypo	CHH	-0.0554
Gm08	2130245	2131086	Gmdrm	hypo	CHH	-0.1544
Gm08	2131379	2132357	Gmdrm	hypo	CHH	-0.0781
Gm08	2143121	2144113	Gmdrm	hypo	CHH	-0.0881
Gm08	2147143	2148138	Gmdrm	hypo	CHH	-0.0416
Gm08	2148148	2149137	Gmdrm	hypo	CHH	-0.1334
Gm08	2156981	2157975	Gmdrm	hypo	CHH	-0.0273
Gm08	2179674	2180652	Gmdrm	hypo	CHH	-0.0495
Gm08	2180675	2181663	Gmdrm	hypo	CHH	-0.0486
Gm08	2192313	2193299	Gmdrm	hypo	CHH	-0.0356
Gm08	2194379	2195325	Gmdrm	hypo	CHH	-0.0253
Gm08	2197834	2198828	Gmdrm	hypo	CHH	-0.0162
Gm08	2204773	2204980	Gmdrm	hypo	CHH	-0.1043
Gm08	2208101	2209086	Gmdrm	hypo	CHH	-0.0322
Gm08	2209128	2209190	Gmdrm	hypo	CHH	-0.1483
Gm08	2238110	2239087	Gmdrm	hypo	CHH	-0.0225
Gm08	2250067	2251062	Gmdrm	hypo	CHH	-0.0099
Gm08	2254837	2255038	Gmdrm	hypo	CHH	-0.0389
Gm08	2257212	2258195	Gmdrm	hypo	CHH	-0.0152
Gm08	2263361	2264361	Gmdrm	hypo	CHH	-0.0217
Gm08	2273000	2273994	Gmdrm	hypo	CHH	-0.0526
Gm08	2274002	2274985	Gmdrm	hypo	CHH	-0.048
Gm08	2285124	2286120	Gmdrm	hypo	CHH	-0.1006
Gm08	2299059	2300050	Gmdrm	hypo	CHH	-0.0208
Gm08	2301643	2302282	Gmdrm	hypo	CHH	-0.3562
Gm08	2302715	2303487	Gmdrm	hypo	CHH	-0.3668
Gm08	2303605	2304370	Gmdrm	hypo	CHH	-0.0426
Gm08	2313033	2314023	Gmdrm	hypo	CHH	-0.0177
Gm08	2315931	2316130	Gmdrm	hypo	CHH	-0.0733
Gm08	2319991	2320936	Gmdrm	hypo	CHH	-0.0282
Gm08	2320997	2321936	Gmdrm	hypo	CHH	-0.0225
Gm08	2323935	2324299	Gmdrm	hypo	CHH	-0.0209
Gm08	2326175	2327171	Gmdrm	hypo	CHH	-0.0138
Gm08	2327184	2327400	Gmdrm	hypo	CHH	-0.0557
Gm08	2347177	2347528	Gmdrm	hypo	CHH	-0.035
Gm08	2354461	2355458	Gmdrm	hypo	CHH	-0.1413
Gm08	2355462	2356453	Gmdrm	hypo	CHH	-0.1438
Gm08	2360240	2361231	Gmdrm	hypo	CHH	-0.0266
Gm08	2377147	2378138	Gmdrm	hypo	CHH	-0.0198
Gm08	2378474	2378775	Gmdrm	hypo	CHH	-0.06
Gm08	2378946	2379139	Gmdrm	hypo	CHH	-0.091
Gm08	2387862	2388769	Gmdrm	hypo	CHH	-0.1154
Gm08	2397433	2398415	Gmdrm	hypo	CHH	-0.0323
Gm08	2398437	2399408	Gmdrm	hypo	CHH	-0.0113
Gm08	2402654	2403501	Gmdrm	hypo	CHH	-0.01
Gm08	2404542	2405519	Gmdrm	hypo	CHH	-0.1056

Gm08	2405545	2406542	Gmdrm	hypo	CHH	-0.0126
Gm08	2417685	2418663	Gmdrm	hypo	CHH	-0.0275
Gm08	2422936	2423568	Gmdrm	hypo	CHH	-0.2741
Gm08	2434336	2434619	Gmdrm	hypo	CHH	-0.0365
Gm08	2449319	2450319	Gmdrm	hypo	CHH	-0.0119
Gm08	2454838	2455809	Gmdrm	hypo	CHH	-0.0136
Gm08	2460496	2461490	Gmdrm	hypo	CHH	-0.013
Gm08	2476830	2477825	Gmdrm	hypo	CHH	-0.0262
Gm08	2481059	2482022	Gmdrm	hypo	CHH	-0.0145
Gm08	2487223	2488196	Gmdrm	hypo	CHH	-0.1281
Gm08	2488227	2489226	Gmdrm	hypo	CHH	-0.1048
Gm08	2492310	2493308	Gmdrm	hypo	CHH	-0.0376
Gm08	2493313	2494313	Gmdrm	hypo	CHH	-0.0456
Gm08	2494326	2495280	Gmdrm	hypo	CHH	-0.0585
Gm08	2499078	2499527	Gmdrm	hypo	CHH	-0.0281
Gm08	2502311	2503274	Gmdrm	hypo	CHH	-0.0198
Gm08	2505900	2506588	Gmdrm	hypo	CHH	-0.0395
Gm08	2517455	2518452	Gmdrm	hypo	CHH	-0.0783
Gm08	2518456	2519450	Gmdrm	hypo	CHH	-0.0745
Gm08	2521150	2522141	Gmdrm	hypo	CHH	-0.0291
Gm08	2524189	2525168	Gmdrm	hypo	CHH	-0.0248
Gm08	2527503	2528498	Gmdrm	hypo	CHH	-0.0164
Gm08	2528533	2529530	Gmdrm	hypo	CHH	-0.0997
Gm08	2529554	2530552	Gmdrm	hypo	CHH	-0.014
Gm08	2533677	2534672	Gmdrm	hypo	CHH	-0.0168
Gm08	2536711	2537708	Gmdrm	hypo	CHH	-0.0177
Gm08	2558361	2559361	Gmdrm	hypo	CHH	-0.0125
Gm08	2559378	2560349	Gmdrm	hypo	CHH	-0.0307
Gm08	2568087	2568323	Gmdrm	hypo	CHH	-0.0917
Gm08	2571340	2572329	Gmdrm	hypo	CHH	-0.0276
Gm08	2581682	2582646	Gmdrm	hypo	CHH	-0.0678
Gm08	2606204	2607201	Gmdrm	hypo	CHH	-0.0233
Gm08	2607803	2607973	Gmdrm	hypo	CHH	-0.0262
Gm08	2612927	2613892	Gmdrm	hypo	CHH	-0.3997
Gm08	2616145	2617132	Gmdrm	hypo	CHH	-0.0129
Gm08	2627115	2627434	Gmdrm	hypo	CHH	-0.0343
Gm08	2639046	2640041	Gmdrm	hypo	CHH	-0.0421
Gm08	2653291	2654287	Gmdrm	hypo	CHH	-0.0163
Gm08	2655320	2656304	Gmdrm	hypo	CHH	-0.0155
Gm08	2666530	2667340	Gmdrm	hypo	CHH	-0.0237
Gm08	2676439	2677439	Gmdrm	hypo	CHH	-0.031
Gm08	2677447	2678444	Gmdrm	hypo	CHH	-0.1291
Gm08	2678448	2679412	Gmdrm	hypo	CHH	-0.1529
Gm08	2685554	2686545	Gmdrm	hypo	CHH	-0.0188
Gm08	2692182	2693172	Gmdrm	hypo	CHH	-0.0458
Gm08	2694206	2695178	Gmdrm	hypo	CHH	-0.11

Gm08	2717497	2718489	Gmdrm	hypo	CHH	-0.0125
Gm08	2720513	2721507	Gmdrm	hypo	CHH	-0.017
Gm08	2735069	2736054	Gmdrm	hypo	CHH	-0.2629
Gm08	2745644	2746551	Gmdrm	hypo	CHH	-0.0243
Gm08	2751359	2752352	Gmdrm	hypo	CHH	-0.0235
Gm08	2761107	2762104	Gmdrm	hypo	CHH	-0.1763
Gm08	2766891	2767809	Gmdrm	hypo	CHH	-0.0191
Gm08	2792867	2793845	Gmdrm	hypo	CHH	-0.0243
Gm08	2801204	2802188	Gmdrm	hypo	CHH	-0.0145
Gm08	2802208	2803178	Gmdrm	hypo	CHH	-0.0156
Gm08	2825316	2826277	Gmdrm	hypo	CHH	-0.0136
Gm08	2833459	2834457	Gmdrm	hypo	CHH	-0.0392
Gm08	2838615	2839602	Gmdrm	hypo	CHH	-0.0247
Gm08	2840336	2841335	Gmdrm	hypo	CHH	-0.0112
Gm08	2843431	2844307	Gmdrm	hypo	CHH	-0.0254
Gm08	2847273	2848258	Gmdrm	hypo	CHH	-0.018
Gm08	2848951	2849934	Gmdrm	hypo	CHH	-0.0186
Gm08	2851939	2852917	Gmdrm	hypo	CHH	-0.0499
Gm08	2852980	2853977	Gmdrm	hypo	CHH	-0.0248
Gm08	2858401	2859396	Gmdrm	hypo	CHH	-0.0496
Gm08	2859402	2860393	Gmdrm	hypo	CHH	-0.0439
Gm08	2877671	2878669	Gmdrm	hypo	CHH	-0.0416
Gm08	2878672	2879666	Gmdrm	hypo	CHH	-0.0251
Gm08	2884195	2885159	Gmdrm	hypo	CHH	-0.0296
Gm08	2888226	2889222	Gmdrm	hypo	CHH	-0.1362
Gm08	2889231	2890223	Gmdrm	hypo	CHH	-0.1678
Gm08	2895375	2896375	Gmdrm	hypo	CHH	-0.0546
Gm08	2896382	2897376	Gmdrm	hypo	CHH	-0.0423
Gm08	2902937	2903933	Gmdrm	hypo	CHH	-0.0637
Gm08	2904986	2905657	Gmdrm	hypo	CHH	-0.0264
Gm08	2910065	2911060	Gmdrm	hypo	CHH	-0.0181
Gm08	2913087	2914085	Gmdrm	hypo	CHH	-0.1309
Gm08	2923572	2924557	Gmdrm	hypo	CHH	-0.0491
Gm08	2931537	2932319	Gmdrm	hypo	CHH	-0.0263
Gm08	2936148	2936854	Gmdrm	hypo	CHH	-0.0343
Gm08	2937981	2938963	Gmdrm	hypo	CHH	-0.1162
Gm08	2942539	2943203	Gmdrm	hypo	CHH	-0.0342
Gm08	2957738	2958061	Gmdrm	hypo	CHH	-0.0442
Gm08	2965002	2965996	Gmdrm	hypo	CHH	-0.0251
Gm08	2972854	2973846	Gmdrm	hypo	CHH	-0.0224
Gm08	2979688	2980687	Gmdrm	hypo	CHH	-0.0211
Gm08	2980693	2981686	Gmdrm	hypo	CHH	-0.033
Gm08	2993739	2994734	Gmdrm	hypo	CHH	-0.0133
Gm08	3001770	3002769	Gmdrm	hypo	CHH	-0.2725
Gm08	3002771	3003760	Gmdrm	hypo	CHH	-0.0886
Gm08	3005436	3006417	Gmdrm	hypo	CHH	-0.0188

Gm08	3014033	3015033	Gmdrm	hypo	CHH	-0.0292
Gm08	3031611	3032611	Gmdrm	hypo	CHH	-0.0797
Gm08	3032617	3033616	Gmdrm	hypo	CHH	-0.1015
Gm08	3033618	3034611	Gmdrm	hypo	CHH	-0.0271
Gm08	3042029	3042345	Gmdrm	hypo	CHH	-0.09
Gm08	3047675	3047923	Gmdrm	hypo	CHH	-0.0181
Gm08	3057835	3058061	Gmdrm	hypo	CHH	-0.0433
Gm08	3059899	3060882	Gmdrm	hypo	CHH	-0.1945
Gm08	3063982	3064957	Gmdrm	hypo	CHH	-0.0804
Gm08	3077841	3078834	Gmdrm	hypo	CHH	-0.0157
Gm08	3080814	3080943	Gmdrm	hypo	CHH	-0.026
Gm08	3096409	3097401	Gmdrm	hypo	CHH	-0.0334
Gm08	3117164	3118163	Gmdrm	hypo	CHH	-0.0135
Gm08	3118366	3119198	Gmdrm	hypo	CHH	-0.1487
Gm08	3123437	3124422	Gmdrm	hypo	CHH	-0.0754
Gm08	3124443	3125432	Gmdrm	hypo	CHH	-0.0333
Gm08	3134478	3135477	Gmdrm	hypo	CHH	-0.0956
Gm08	3135491	3135784	Gmdrm	hypo	CHH	-0.0521
Gm08	3136034	3137031	Gmdrm	hypo	CHH	-0.1388
Gm08	3138626	3139585	Gmdrm	hypo	CHH	-0.0393
Gm08	3147235	3148232	Gmdrm	hypo	CHH	-0.0205
Gm08	3148240	3148986	Gmdrm	hypo	CHH	-0.2526
Gm08	3174533	3175509	Gmdrm	hypo	CHH	-0.0173
Gm08	3180425	3181396	Gmdrm	hypo	CHH	-0.085
Gm08	3198989	3199412	Gmdrm	hypo	CHH	-0.0326
Gm08	3201119	3202110	Gmdrm	hypo	CHH	-0.0141
Gm08	3217700	3218700	Gmdrm	hypo	CHH	-0.0269
Gm08	3238700	3239693	Gmdrm	hypo	CHH	-0.0635
Gm08	3269428	3270076	Gmdrm	hypo	CHH	-0.0221
Gm08	3272347	3273327	Gmdrm	hypo	CHH	-0.0144
Gm08	3274378	3275319	Gmdrm	hypo	CHH	-0.0149
Gm08	3278605	3279604	Gmdrm	hypo	CHH	-0.0458
Gm08	3280834	3281814	Gmdrm	hypo	CHH	-0.0255
Gm08	3281842	3282755	Gmdrm	hypo	CHH	-0.0464
Gm08	3295034	3295961	Gmdrm	hypo	CHH	-0.0355
Gm08	3296058	3296402	Gmdrm	hypo	CHH	-0.0496
Gm08	3306813	3307812	Gmdrm	hypo	CHH	-0.0277
Gm08	3307819	3308806	Gmdrm	hypo	CHH	-0.0254
Gm08	3315186	3316175	Gmdrm	hypo	CHH	-0.021
Gm08	3318273	3319248	Gmdrm	hypo	CHH	-0.0152
Gm08	3319384	3319540	Gmdrm	hypo	CHH	-0.0891
Gm08	3320308	3321308	Gmdrm	hypo	CHH	-0.0225
Gm08	3321313	3321586	Gmdrm	hypo	CHH	-0.0593
Gm08	3321725	3322684	Gmdrm	hypo	CHH	-0.0165
Gm08	3350026	3350645	Gmdrm	hypo	CHH	-0.0369
Gm08	3363383	3364376	Gmdrm	hypo	CHH	-0.0173

Gm08	3374959	3375630 Gmdrm	hypo	CHH	-0.0191
Gm08	3383734	3384728 Gmdrm	hypo	CHH	-0.0167
Gm08	3396301	3397297 Gmdrm	hypo	CHH	-0.0491
Gm08	3397335	3397575 Gmdrm	hypo	CHH	-0.0195
Gm08	3397678	3398665 Gmdrm	hypo	CHH	-0.0344
Gm08	3401706	3402679 Gmdrm	hypo	CHH	-0.0163
Gm08	3402707	3403700 Gmdrm	hypo	CHH	-0.0181
Gm08	3406476	3407466 Gmdrm	hypo	CHH	-0.0271
Gm08	3421570	3421974 Gmdrm	hypo	CHH	-0.0154
Gm08	3434174	3435157 Gmdrm	hypo	CHH	-0.0125
Gm08	3435177	3436006 Gmdrm	hypo	CHH	-0.0208
Gm08	3478761	3479175 Gmdrm	hypo	CHH	-0.0181
Gm08	3479512	3480496 Gmdrm	hypo	CHH	-0.0123
Gm08	3481537	3482524 Gmdrm	hypo	CHH	-0.0576
Gm08	3482538	3483530 Gmdrm	hypo	CHH	-0.1302
Gm08	3483547	3484413 Gmdrm	hypo	CHH	-0.113
Gm08	3495284	3496271 Gmdrm	hypo	CHH	-0.2267
Gm08	3496286	3496489 Gmdrm	hypo	CHH	-0.0408
Gm08	3496643	3497641 Gmdrm	hypo	CHH	-0.084
Gm08	3502638	3503625 Gmdrm	hypo	CHH	-0.096
Gm08	3503643	3504423 Gmdrm	hypo	CHH	-0.1285
Gm08	3513517	3514512 Gmdrm	hypo	CHH	-0.0169
Gm08	3519046	3519152 Gmdrm	hypo	CHH	-0.0374
Gm08	3520329	3521329 Gmdrm	hypo	CHH	-0.0583
Gm08	3521333	3521648 Gmdrm	hypo	CHH	-0.035
Gm08	3528640	3529618 Gmdrm	hypo	CHH	-0.0206
Gm08	3532703	3533646 Gmdrm	hypo	CHH	-0.0674
Gm08	3536211	3536774 Gmdrm	hypo	CHH	-0.0375
Gm08	3536942	3537918 Gmdrm	hypo	CHH	-0.0319
Gm08	3537953	3538947 Gmdrm	hypo	CHH	-0.0157
Gm08	3553413	3554412 Gmdrm	hypo	CHH	-0.0142
Gm08	3555866	3556843 Gmdrm	hypo	CHH	-0.0216
Gm08	3561017	3561571 Gmdrm	hypo	CHH	-0.046
Gm08	3569699	3570677 Gmdrm	hypo	CHH	-0.0252
Gm08	3578037	3578366 Gmdrm	hypo	CHH	-0.0214
Gm08	3586312	3587056 Gmdrm	hypo	CHH	-0.0169
Gm08	3589831	3590824 Gmdrm	hypo	CHH	-0.0266
Gm08	3616500	3617490 Gmdrm	hypo	CHH	-0.1347
Gm08	3624329	3625290 Gmdrm	hypo	CHH	-0.0186
Gm08	3626365	3627045 Gmdrm	hypo	CHH	-0.0305
Gm08	3633189	3634180 Gmdrm	hypo	CHH	-0.0152
Gm08	3634665	3635663 Gmdrm	hypo	CHH	-0.0133
Gm08	3642467	3643436 Gmdrm	hypo	CHH	-0.0284
Gm08	3647658	3648657 Gmdrm	hypo	CHH	-0.0201
Gm08	3661303	3662301 Gmdrm	hypo	CHH	-0.0224
Gm08	3666086	3666905 Gmdrm	hypo	CHH	-0.0218

Gm08	3671998	3672997	Gmdrm	hypo	CHH	-0.015
Gm08	3674713	3675697	Gmdrm	hypo	CHH	-0.1672
Gm08	3685584	3686573	Gmdrm	hypo	CHH	-0.0191
Gm08	3689634	3690633	Gmdrm	hypo	CHH	-0.1701
Gm08	3690642	3691602	Gmdrm	hypo	CHH	-0.1997
Gm08	3697268	3698267	Gmdrm	hypo	CHH	-0.0218
Gm08	3710379	3711378	Gmdrm	hypo	CHH	-0.0505
Gm08	3711387	3712383	Gmdrm	hypo	CHH	-0.0614
Gm08	3718667	3719659	Gmdrm	hypo	CHH	-0.0147
Gm08	3726600	3727546	Gmdrm	hypo	CHH	-0.0341
Gm08	3736892	3737892	Gmdrm	hypo	CHH	-0.0958
Gm08	3737893	3738893	Gmdrm	hypo	CHH	-0.1609
Gm08	3738894	3739883	Gmdrm	hypo	CHH	-0.1441
Gm08	3743919	3744919	Gmdrm	hypo	CHH	-0.3233
Gm08	3754774	3755318	Gmdrm	hypo	CHH	-0.0247
Gm08	3769291	3769765	Gmdrm	hypo	CHH	-0.0282
Gm08	3777111	3778093	Gmdrm	hypo	CHH	-0.0363
Gm08	3780076	3780791	Gmdrm	hypo	CHH	-0.0489
Gm08	3787237	3787931	Gmdrm	hypo	CHH	-0.1804
Gm08	3788052	3789042	Gmdrm	hypo	CHH	-0.1582
Gm08	3790656	3791470	Gmdrm	hypo	CHH	-0.1464
Gm08	3791600	3792589	Gmdrm	hypo	CHH	-0.0241
Gm08	3796017	3797000	Gmdrm	hypo	CHH	-0.0129
Gm08	3805222	3806209	Gmdrm	hypo	CHH	-0.0344
Gm08	3813795	3814764	Gmdrm	hypo	CHH	-0.2191
Gm08	3817764	3818764	Gmdrm	hypo	CHH	-0.051
Gm08	3818765	3819753	Gmdrm	hypo	CHH	-0.2179
Gm08	3821795	3822788	Gmdrm	hypo	CHH	-0.0548
Gm08	3830453	3831231	Gmdrm	hypo	CHH	-0.108
Gm08	3847374	3848369	Gmdrm	hypo	CHH	-0.0816
Gm08	3848402	3849220	Gmdrm	hypo	CHH	-0.0629
Gm08	3855290	3856278	Gmdrm	hypo	CHH	-0.0457
Gm08	3858038	3859038	Gmdrm	hypo	CHH	-0.1055
Gm08	3865411	3866404	Gmdrm	hypo	CHH	-0.0677
Gm08	3889733	3890678	Gmdrm	hypo	CHH	-0.0229
Gm08	3895220	3895961	Gmdrm	hypo	CHH	-0.0217
Gm08	3906850	3907843	Gmdrm	hypo	CHH	-0.1476
Gm08	3907854	3908828	Gmdrm	hypo	CHH	-0.1137
Gm08	3915340	3916316	Gmdrm	hypo	CHH	-0.0238
Gm08	3942068	3942793	Gmdrm	hypo	CHH	-0.0241
Gm08	3949947	3950943	Gmdrm	hypo	CHH	-0.1225
Gm08	3950963	3951392	Gmdrm	hypo	CHH	-0.2157
Gm08	3951506	3952500	Gmdrm	hypo	CHH	-0.144
Gm08	3967164	3968148	Gmdrm	hypo	CHH	-0.0177
Gm08	3969228	3970228	Gmdrm	hypo	CHH	-0.0157
Gm08	3970235	3971208	Gmdrm	hypo	CHH	-0.0812

Gm08	3975977	3976972 Gmdrm	hypo	CHH	-0.0134
Gm08	3978040	3978343 Gmdrm	hypo	CHH	-0.0221
Gm08	3984323	3985322 Gmdrm	hypo	CHH	-0.0389
Gm08	3997711	3998702 Gmdrm	hypo	CHH	-0.2311
Gm08	3998712	3999698 Gmdrm	hypo	CHH	-0.0435
Gm08	4014311	4015310 Gmdrm	hypo	CHH	-0.0915
Gm08	4015312	4016304 Gmdrm	hypo	CHH	-0.0756
Gm08	4031871	4032869 Gmdrm	hypo	CHH	-0.0164
Gm08	4035787	4036786 Gmdrm	hypo	CHH	-0.0402
Gm08	4037803	4038798 Gmdrm	hypo	CHH	-0.0574
Gm08	4040826	4041823 Gmdrm	hypo	CHH	-0.0506
Gm08	4041833	4042832 Gmdrm	hypo	CHH	-0.0157
Gm08	4042836	4043824 Gmdrm	hypo	CHH	-0.0533
Gm08	4043853	4044242 Gmdrm	hypo	CHH	-0.1103
Gm08	4057465	4058457 Gmdrm	hypo	CHH	-0.028
Gm08	4058473	4059465 Gmdrm	hypo	CHH	-0.034
Gm08	4059482	4060482 Gmdrm	hypo	CHH	-0.017
Gm08	4062587	4063481 Gmdrm	hypo	CHH	-0.0577
Gm08	4068678	4069671 Gmdrm	hypo	CHH	-0.0101
Gm08	4069710	4070701 Gmdrm	hypo	CHH	-0.0396
Gm08	4086066	4087065 Gmdrm	hypo	CHH	-0.0376
Gm08	4098284	4099282 Gmdrm	hypo	CHH	-0.1795
Gm08	4099292	4099980 Gmdrm	hypo	CHH	-0.09
Gm08	4130116	4130472 Gmdrm	hypo	CHH	-0.0278
Gm08	4144083	4145082 Gmdrm	hypo	CHH	-0.0672
Gm08	4145084	4146080 Gmdrm	hypo	CHH	-0.184
Gm08	4152275	4153268 Gmdrm	hypo	CHH	-0.1082
Gm08	4153278	4154277 Gmdrm	hypo	CHH	-0.1958
Gm08	4154284	4154951 Gmdrm	hypo	CHH	-0.1529
Gm08	4168518	4169515 Gmdrm	hypo	CHH	-0.0316
Gm08	4171552	4172552 Gmdrm	hypo	CHH	-0.2604
Gm08	4180352	4181352 Gmdrm	hypo	CHH	-0.0795
Gm08	4185382	4186378 Gmdrm	hypo	CHH	-0.0426
Gm08	4186391	4187354 Gmdrm	hypo	CHH	-0.1127
Gm08	4187413	4188412 Gmdrm	hypo	CHH	-0.0141
Gm08	4188420	4189175 Gmdrm	hypo	CHH	-0.0206
Gm08	4211377	4212376 Gmdrm	hypo	CHH	-0.1504
Gm08	4212382	4212825 Gmdrm	hypo	CHH	-0.3085
Gm08	4217357	4217777 Gmdrm	hypo	CHH	-0.0269
Gm08	4218918	4219918 Gmdrm	hypo	CHH	-0.0412
Gm08	4219919	4220914 Gmdrm	hypo	CHH	-0.1054
Gm08	4220925	4221519 Gmdrm	hypo	CHH	-0.0534
Gm08	4225450	4226440 Gmdrm	hypo	CHH	-0.0179
Gm08	4238620	4239620 Gmdrm	hypo	CHH	-0.0107
Gm08	4239621	4240618 Gmdrm	hypo	CHH	-0.0189
Gm08	4250391	4251383 Gmdrm	hypo	CHH	-0.0315

Gm08	4251402	4251829	Gmdrm	hypo	CHH	-0.2375
Gm08	4268075	4268772	Gmdrm	hypo	CHH	-0.0691
Gm08	4270314	4271308	Gmdrm	hypo	CHH	-0.4227
Gm08	4278080	4279064	Gmdrm	hypo	CHH	-0.0235
Gm08	4281820	4282565	Gmdrm	hypo	CHH	-0.0187
Gm08	4287383	4288378	Gmdrm	hypo	CHH	-0.3377
Gm08	4288391	4289386	Gmdrm	hypo	CHH	-0.1315
Gm08	4293736	4294104	Gmdrm	hypo	CHH	-0.0248
Gm08	4298423	4299420	Gmdrm	hypo	CHH	-0.0963
Gm08	4299431	4300408	Gmdrm	hypo	CHH	-0.0474
Gm08	4307790	4308449	Gmdrm	hypo	CHH	-0.0166
Gm08	4320977	4321610	Gmdrm	hypo	CHH	-0.0318
Gm08	4322745	4323743	Gmdrm	hypo	CHH	-0.0307
Gm08	4323767	4324742	Gmdrm	hypo	CHH	-0.2065
Gm08	4337847	4338846	Gmdrm	hypo	CHH	-0.0173
Gm08	4343617	4344606	Gmdrm	hypo	CHH	-0.0983
Gm08	4345666	4346664	Gmdrm	hypo	CHH	-0.1315
Gm08	4346669	4347283	Gmdrm	hypo	CHH	-0.1196
Gm08	4349782	4350778	Gmdrm	hypo	CHH	-0.0172
Gm08	4360163	4361159	Gmdrm	hypo	CHH	-0.0572
Gm08	4373331	4374304	Gmdrm	hypo	CHH	-0.0501
Gm08	4374347	4375320	Gmdrm	hypo	CHH	-0.0625
Gm08	4375353	4375777	Gmdrm	hypo	CHH	-0.022
Gm08	4391159	4392104	Gmdrm	hypo	CHH	-0.111
Gm08	4398348	4399348	Gmdrm	hypo	CHH	-0.0342
Gm08	4399350	4400340	Gmdrm	hypo	CHH	-0.0365
Gm08	4401713	4402189	Gmdrm	hypo	CHH	-0.0381
Gm08	4405195	4406195	Gmdrm	hypo	CHH	-0.0173
Gm08	4407961	4408956	Gmdrm	hypo	CHH	-0.0736
Gm08	4408966	4409321	Gmdrm	hypo	CHH	-0.0358
Gm08	4426898	4427827	Gmdrm	hypo	CHH	-0.0483
Gm08	4430987	4431976	Gmdrm	hypo	CHH	-0.0169
Gm08	4440740	4441738	Gmdrm	hypo	CHH	-0.0403
Gm08	4441749	4442748	Gmdrm	hypo	CHH	-0.0862
Gm08	4442751	4443740	Gmdrm	hypo	CHH	-0.0265
Gm08	4492861	4493858	Gmdrm	hypo	CHH	-0.0176
Gm08	4496238	4497228	Gmdrm	hypo	CHH	-0.023
Gm08	4497240	4498222	Gmdrm	hypo	CHH	-0.0162
Gm08	4500572	4500665	Gmdrm	hypo	CHH	-0.0217
Gm08	4500782	4501779	Gmdrm	hypo	CHH	-0.0226
Gm08	4507612	4508610	Gmdrm	hypo	CHH	-0.056
Gm08	4511135	4511490	Gmdrm	hypo	CHH	-0.0261
Gm08	4533634	4534631	Gmdrm	hypo	CHH	-0.0224
Gm08	4535237	4536226	Gmdrm	hypo	CHH	-0.1491
Gm08	4546231	4547231	Gmdrm	hypo	CHH	-0.1158
Gm08	4547238	4548230	Gmdrm	hypo	CHH	-0.043

Gm08	4559646	4560646 Gmdrm	hypo	CHH	-0.0285
Gm08	4560662	4561661 Gmdrm	hypo	CHH	-0.0851
Gm08	4566838	4567829 Gmdrm	hypo	CHH	-0.0859
Gm08	4569046	4570044 Gmdrm	hypo	CHH	-0.0677
Gm08	4571069	4572005 Gmdrm	hypo	CHH	-0.0116
Gm08	4584992	4585974 Gmdrm	hypo	CHH	-0.0188
Gm08	4588046	4588910 Gmdrm	hypo	CHH	-0.0119
Gm08	4604025	4605008 Gmdrm	hypo	CHH	-0.0159
Gm08	4616249	4616717 Gmdrm	hypo	CHH	-0.0207
Gm08	4622974	4623964 Gmdrm	hypo	CHH	-0.0789
Gm08	4649757	4649886 Gmdrm	hypo	CHH	-0.13
Gm08	4659432	4660425 Gmdrm	hypo	CHH	-0.0795
Gm08	4668997	4669986 Gmdrm	hypo	CHH	-0.0444
Gm08	4670014	4670688 Gmdrm	hypo	CHH	-0.0474
Gm08	4673219	4674197 Gmdrm	hypo	CHH	-0.0158
Gm08	4678442	4679038 Gmdrm	hypo	CHH	-0.0273
Gm08	4681567	4682550 Gmdrm	hypo	CHH	-0.0687
Gm08	4682849	4683176 Gmdrm	hypo	CHH	-0.1082
Gm08	4690691	4690832 Gmdrm	hypo	CHH	-0.0686
Gm08	4700486	4701485 Gmdrm	hypo	CHH	-0.0169
Gm08	4703495	4704492 Gmdrm	hypo	CHH	-0.0739
Gm08	4704498	4705491 Gmdrm	hypo	CHH	-0.125
Gm08	4707730	4708729 Gmdrm	hypo	CHH	-0.0984
Gm08	4723595	4724590 Gmdrm	hypo	CHH	-0.046
Gm08	4735628	4736619 Gmdrm	hypo	CHH	-0.0177
Gm08	4743996	4744965 Gmdrm	hypo	CHH	-0.0223
Gm08	4754106	4755100 Gmdrm	hypo	CHH	-0.2211
Gm08	4755109	4756101 Gmdrm	hypo	CHH	-0.1469
Gm08	4769011	4769999 Gmdrm	hypo	CHH	-0.0567
Gm08	4770017	4770139 Gmdrm	hypo	CHH	-0.12
Gm08	4770394	4771389 Gmdrm	hypo	CHH	-0.0891
Gm08	4774510	4774963 Gmdrm	hypo	CHH	-0.0203
Gm08	4779464	4780442 Gmdrm	hypo	CHH	-0.0153
Gm08	4784383	4785355 Gmdrm	hypo	CHH	-0.167
Gm08	4800851	4801845 Gmdrm	hypo	CHH	-0.1287
Gm08	4805803	4806782 Gmdrm	hypo	CHH	-0.0442
Gm08	4814889	4815886 Gmdrm	hypo	CHH	-0.0115
Gm08	4828857	4829853 Gmdrm	hypo	CHH	-0.0255
Gm08	4829869	4830862 Gmdrm	hypo	CHH	-0.0323
Gm08	4835298	4836291 Gmdrm	hypo	CHH	-0.0361
Gm08	4850840	4851837 Gmdrm	hypo	CHH	-0.0353
Gm08	4851843	4852843 Gmdrm	hypo	CHH	-0.0733
Gm08	4857253	4858252 Gmdrm	hypo	CHH	-0.0484
Gm08	4858256	4859249 Gmdrm	hypo	CHH	-0.0226
Gm08	4859262	4860245 Gmdrm	hypo	CHH	-0.2131
Gm08	4869709	4870699 Gmdrm	hypo	CHH	-0.0223

Gm08	4870710	4871695 Gmdrm	hypo	CHH	-0.0274
Gm08	4881826	4882794 Gmdrm	hypo	CHH	-0.0231
Gm08	4904072	4905062 Gmdrm	hypo	CHH	-0.0345
Gm08	4907860	4908859 Gmdrm	hypo	CHH	-0.0499
Gm08	4908862	4909612 Gmdrm	hypo	CHH	-0.1419
Gm08	4911056	4911388 Gmdrm	hypo	CHH	-0.0488
Gm08	4912513	4913268 Gmdrm	hypo	CHH	-0.0392
Gm08	4923495	4923634 Gmdrm	hypo	CHH	-0.0486
Gm08	4923759	4923930 Gmdrm	hypo	CHH	-0.2763
Gm08	4937995	4938995 Gmdrm	hypo	CHH	-0.1936
Gm08	4952661	4953648 Gmdrm	hypo	CHH	-0.0332
Gm08	4959177	4960176 Gmdrm	hypo	CHH	-0.0266
Gm08	4965257	4965557 Gmdrm	hypo	CHH	-0.0262
Gm08	4974459	4975408 Gmdrm	hypo	CHH	-0.0201
Gm08	4980147	4981145 Gmdrm	hypo	CHH	-0.0126
Gm08	4989104	4990095 Gmdrm	hypo	CHH	-0.0151
Gm08	4992135	4993133 Gmdrm	hypo	CHH	-0.0525
Gm08	4994171	4995164 Gmdrm	hypo	CHH	-0.0314
Gm08	5000176	5001176 Gmdrm	hypo	CHH	-0.0163
Gm08	5004246	5005229 Gmdrm	hypo	CHH	-0.0182
Gm08	5010551	5011529 Gmdrm	hypo	CHH	-0.0222
Gm08	5021876	5022864 Gmdrm	hypo	CHH	-0.0156
Gm08	5022879	5023263 Gmdrm	hypo	CHH	-0.0217
Gm08	5024876	5025875 Gmdrm	hypo	CHH	-0.0717
Gm08	5025877	5026851 Gmdrm	hypo	CHH	-0.0583
Gm08	5027922	5028900 Gmdrm	hypo	CHH	-0.0161
Gm08	5052610	5053593 Gmdrm	hypo	CHH	-0.08
Gm08	5056370	5057365 Gmdrm	hypo	CHH	-0.0186
Gm08	5058966	5059964 Gmdrm	hypo	CHH	-0.2765
Gm08	5059967	5060967 Gmdrm	hypo	CHH	-0.0455
Gm08	5062475	5063451 Gmdrm	hypo	CHH	-0.1356
Gm08	5067763	5068755 Gmdrm	hypo	CHH	-0.0372
Gm08	5075383	5076361 Gmdrm	hypo	CHH	-0.0264
Gm08	5079635	5080629 Gmdrm	hypo	CHH	-0.2085
Gm08	5080639	5081630 Gmdrm	hypo	CHH	-0.122
Gm08	5084579	5085567 Gmdrm	hypo	CHH	-0.0972
Gm08	5085580	5086532 Gmdrm	hypo	CHH	-0.1612
Gm08	5090356	5091352 Gmdrm	hypo	CHH	-0.0374
Gm08	5099493	5099541 Gmdrm	hypo	CHH	-0.044
Gm08	5113347	5113809 Gmdrm	hypo	CHH	-0.0256
Gm08	5120328	5121327 Gmdrm	hypo	CHH	-0.0722
Gm08	5121332	5122326 Gmdrm	hypo	CHH	-0.1919
Gm08	5124491	5125489 Gmdrm	hypo	CHH	-0.0183
Gm08	5127272	5127723 Gmdrm	hypo	CHH	-0.0316
Gm08	5139004	5140004 Gmdrm	hypo	CHH	-0.053
Gm08	5140005	5140980 Gmdrm	hypo	CHH	-0.0335

Gm08	5141009	5142003 Gmdrm	hypo	CHH	-0.0615
Gm08	5142014	5142421 Gmdrm	hypo	CHH	-0.045
Gm08	5145840	5146832 Gmdrm	hypo	CHH	-0.2922
Gm08	5146843	5147828 Gmdrm	hypo	CHH	-0.1171
Gm08	5168856	5169800 Gmdrm	hypo	CHH	-0.1708
Gm08	5197282	5198007 Gmdrm	hypo	CHH	-0.0398
Gm08	5200277	5201275 Gmdrm	hypo	CHH	-0.233
Gm08	5201281	5202279 Gmdrm	hypo	CHH	-0.0731
Gm08	5203313	5203727 Gmdrm	hypo	CHH	-0.02
Gm08	5207142	5208127 Gmdrm	hypo	CHH	-0.1101
Gm08	5208166	5208443 Gmdrm	hypo	CHH	-0.0552
Gm08	5208560	5209474 Gmdrm	hypo	CHH	-0.0339
Gm08	5215218	5216136 Gmdrm	hypo	CHH	-0.0139
Gm08	5223407	5224393 Gmdrm	hypo	CHH	-0.0207
Gm08	5258244	5259224 Gmdrm	hypo	CHH	-0.0375
Gm08	5259250	5259583 Gmdrm	hypo	CHH	-0.0522
Gm08	5270437	5271384 Gmdrm	hypo	CHH	-0.0723
Gm08	5274563	5275562 Gmdrm	hypo	CHH	-0.0154
Gm08	5283471	5284202 Gmdrm	hypo	CHH	-0.0243
Gm08	5284840	5285835 Gmdrm	hypo	CHH	-0.0109
Gm08	5294757	5295743 Gmdrm	hypo	CHH	-0.0142
Gm08	5296956	5297913 Gmdrm	hypo	CHH	-0.0188
Gm08	5297972	5298942 Gmdrm	hypo	CHH	-0.0339
Gm08	5298977	5299959 Gmdrm	hypo	CHH	-0.0162
Gm08	5312328	5313281 Gmdrm	hypo	CHH	-0.028
Gm08	5318177	5319176 Gmdrm	hypo	CHH	-0.0276
Gm08	5319184	5320163 Gmdrm	hypo	CHH	-0.0515
Gm08	5346996	5347960 Gmdrm	hypo	CHH	-0.0202
Gm08	5349578	5350575 Gmdrm	hypo	CHH	-0.234
Gm08	5360673	5361346 Gmdrm	hypo	CHH	-0.0198
Gm08	5369507	5370200 Gmdrm	hypo	CHH	-0.0174
Gm08	5383279	5384277 Gmdrm	hypo	CHH	-0.0779
Gm08	5384294	5384922 Gmdrm	hypo	CHH	-0.049
Gm08	5394890	5395886 Gmdrm	hypo	CHH	-0.0204
Gm08	5403836	5404069 Gmdrm	hypo	CHH	-0.1041
Gm08	5406305	5407294 Gmdrm	hypo	CHH	-0.0124
Gm08	5412918	5413910 Gmdrm	hypo	CHH	-0.0182
Gm08	5434494	5435487 Gmdrm	hypo	CHH	-0.0894
Gm08	5435498	5436482 Gmdrm	hypo	CHH	-0.0256
Gm08	5442869	5443833 Gmdrm	hypo	CHH	-0.0218
Gm08	5456053	5457020 Gmdrm	hypo	CHH	-0.0637
Gm08	5463865	5464787 Gmdrm	hypo	CHH	-0.013
Gm08	5466709	5466862 Gmdrm	hypo	CHH	-0.0393
Gm08	5470335	5471300 Gmdrm	hypo	CHH	-0.0303
Gm08	5473386	5474384 Gmdrm	hypo	CHH	-0.0275
Gm08	5481814	5482122 Gmdrm	hypo	CHH	-0.474

Gm08	5485886	5486863 Gmdrm	hypo	CHH	-0.1467
Gm08	5498323	5498816 Gmdrm	hypo	CHH	-0.0738
Gm08	5505001	5505172 Gmdrm	hypo	CHH	-0.0875
Gm08	5515804	5516038 Gmdrm	hypo	CHH	-0.0274
Gm08	5529230	5530224 Gmdrm	hypo	CHH	-0.1473
Gm08	5538286	5539104 Gmdrm	hypo	CHH	-0.0164
Gm08	5560000	5560544 Gmdrm	hypo	CHH	-0.0281
Gm08	5560660	5561300 Gmdrm	hypo	CHH	-0.0281
Gm08	5561416	5562097 Gmdrm	hypo	CHH	-0.0281
Gm08	5562235	5563217 Gmdrm	hypo	CHH	-0.0204
Gm08	5564904	5565874 Gmdrm	hypo	CHH	-0.0214
Gm08	5566783	5567783 Gmdrm	hypo	CHH	-0.1309
Gm08	5567784	5568119 Gmdrm	hypo	CHH	-0.1262
Gm08	5568229	5569222 Gmdrm	hypo	CHH	-0.1153
Gm08	5569231	5570157 Gmdrm	hypo	CHH	-0.1805
Gm08	5574955	5575196 Gmdrm	hypo	CHH	-0.0174
Gm08	5588264	5589261 Gmdrm	hypo	CHH	-0.0257
Gm08	5589286	5589359 Gmdrm	hypo	CHH	-0.0466
Gm08	5595584	5596583 Gmdrm	hypo	CHH	-0.0254
Gm08	5596593	5597591 Gmdrm	hypo	CHH	-0.0148
Gm08	5610794	5611784 Gmdrm	hypo	CHH	-0.0141
Gm08	5611818	5612782 Gmdrm	hypo	CHH	-0.0192
Gm08	5612821	5613820 Gmdrm	hypo	CHH	-0.0201
Gm08	5623995	5624995 Gmdrm	hypo	CHH	-0.1774
Gm08	5624997	5625988 Gmdrm	hypo	CHH	-0.1945
Gm08	5626856	5627849 Gmdrm	hypo	CHH	-0.0185
Gm08	5629152	5630135 Gmdrm	hypo	CHH	-0.0135
Gm08	5644987	5645976 Gmdrm	hypo	CHH	-0.0165
Gm08	5653937	5654539 Gmdrm	hypo	CHH	-0.0332
Gm08	5669808	5670788 Gmdrm	hypo	CHH	-0.0202
Gm08	5678373	5679359 Gmdrm	hypo	CHH	-0.1932
Gm08	5692133	5693132 Gmdrm	hypo	CHH	-0.0272
Gm08	5704622	5705606 Gmdrm	hypo	CHH	-0.0578
Gm08	5713945	5714450 Gmdrm	hypo	CHH	-0.0319
Gm08	5719927	5720902 Gmdrm	hypo	CHH	-0.0186
Gm08	5720938	5721287 Gmdrm	hypo	CHH	-0.0329
Gm08	5726279	5727053 Gmdrm	hypo	CHH	-0.1331
Gm08	5727375	5728306 Gmdrm	hypo	CHH	-0.0102
Gm08	5758735	5759732 Gmdrm	hypo	CHH	-0.0995
Gm08	5759741	5760726 Gmdrm	hypo	CHH	-0.1261
Gm08	5780541	5781079 Gmdrm	hypo	CHH	-0.0517
Gm08	5781188	5782160 Gmdrm	hypo	CHH	-0.0705
Gm08	5787339	5788283 Gmdrm	hypo	CHH	-0.0108
Gm08	5792117	5792246 Gmdrm	hypo	CHH	-0.108
Gm08	5792482	5793479 Gmdrm	hypo	CHH	-0.2102
Gm08	5793498	5794487 Gmdrm	hypo	CHH	-0.0453

Gm08	5796191	5796908	Gmdrm	hypo	CHH	-0.0211
Gm08	5809976	5810968	Gmdrm	hypo	CHH	-0.0944
Gm08	5811987	5812097	Gmdrm	hypo	CHH	-0.0455
Gm08	5813094	5814085	Gmdrm	hypo	CHH	-0.0611
Gm08	5823075	5824067	Gmdrm	hypo	CHH	-0.2361
Gm08	5824077	5825047	Gmdrm	hypo	CHH	-0.0865
Gm08	5832561	5833543	Gmdrm	hypo	CHH	-0.0204
Gm08	5835619	5836612	Gmdrm	hypo	CHH	-0.0132
Gm08	5842988	5843985	Gmdrm	hypo	CHH	-0.018
Gm08	5847024	5848016	Gmdrm	hypo	CHH	-0.0573
Gm08	5849319	5850308	Gmdrm	hypo	CHH	-0.0156
Gm08	5851329	5851937	Gmdrm	hypo	CHH	-0.0152
Gm08	5854617	5855613	Gmdrm	hypo	CHH	-0.0292
Gm08	5861477	5862458	Gmdrm	hypo	CHH	-0.0216
Gm08	5867227	5868188	Gmdrm	hypo	CHH	-0.0142
Gm08	5872584	5872940	Gmdrm	hypo	CHH	-0.035
Gm08	5880497	5881487	Gmdrm	hypo	CHH	-0.1213
Gm08	5889694	5890675	Gmdrm	hypo	CHH	-0.0141
Gm08	5891700	5892700	Gmdrm	hypo	CHH	-0.1485
Gm08	5892704	5892941	Gmdrm	hypo	CHH	-0.0271
Gm08	5893132	5894130	Gmdrm	hypo	CHH	-0.02
Gm08	5908555	5909552	Gmdrm	hypo	CHH	-0.0331
Gm08	5909562	5910221	Gmdrm	hypo	CHH	-0.0785
Gm08	5913479	5914461	Gmdrm	hypo	CHH	-0.0255
Gm08	5929605	5930182	Gmdrm	hypo	CHH	-0.0216
Gm08	5933911	5934879	Gmdrm	hypo	CHH	-0.0206
Gm08	5941535	5942518	Gmdrm	hypo	CHH	-0.1037
Gm08	5945547	5946547	Gmdrm	hypo	CHH	-0.0273
Gm08	5976867	5977485	Gmdrm	hypo	CHH	-0.0705
Gm08	5981334	5981466	Gmdrm	hypo	CHH	-0.06
Gm08	5998831	5999694	Gmdrm	hypo	CHH	-0.0347
Gm08	6014193	6015183	Gmdrm	hypo	CHH	-0.0923
Gm08	6015232	6016218	Gmdrm	hypo	CHH	-0.0111
Gm08	6018532	6019530	Gmdrm	hypo	CHH	-0.0505
Gm08	6020389	6021364	Gmdrm	hypo	CHH	-0.045
Gm08	6032790	6033078	Gmdrm	hypo	CHH	-0.0233
Gm08	6071558	6072543	Gmdrm	hypo	CHH	-0.0139
Gm08	6075412	6076386	Gmdrm	hypo	CHH	-0.0164
Gm08	6078370	6079355	Gmdrm	hypo	CHH	-0.0358
Gm08	6086660	6086832	Gmdrm	hypo	CHH	-0.025
Gm08	6086945	6087795	Gmdrm	hypo	CHH	-0.0144
Gm08	6094419	6095415	Gmdrm	hypo	CHH	-0.0265
Gm08	6096867	6097689	Gmdrm	hypo	CHH	-0.0433
Gm08	6101580	6102548	Gmdrm	hypo	CHH	-0.3561
Gm08	6102581	6102768	Gmdrm	hypo	CHH	-0.0372
Gm08	6102899	6103881	Gmdrm	hypo	CHH	-0.0294

Gm08	6110071	6111071 Gmdrm	hypo	CHH	-0.0804
Gm08	6111077	6112069 Gmdrm	hypo	CHH	-0.0133
Gm08	6113287	6113470 Gmdrm	hypo	CHH	-0.042
Gm08	6114995	6115995 Gmdrm	hypo	CHH	-0.0895
Gm08	6115998	6116997 Gmdrm	hypo	CHH	-0.0395
Gm08	6123883	6124072 Gmdrm	hypo	CHH	-0.0533
Gm08	6128333	6129302 Gmdrm	hypo	CHH	-0.0203
Gm08	6131195	6132169 Gmdrm	hypo	CHH	-0.019
Gm08	6136161	6137160 Gmdrm	hypo	CHH	-0.2777
Gm08	6141205	6142150 Gmdrm	hypo	CHH	-0.0209
Gm08	6148656	6149653 Gmdrm	hypo	CHH	-0.013
Gm08	6153915	6154898 Gmdrm	hypo	CHH	-0.052
Gm08	6173779	6174751 Gmdrm	hypo	CHH	-0.0212
Gm08	6175456	6176221 Gmdrm	hypo	CHH	-0.1988
Gm08	6184040	6185021 Gmdrm	hypo	CHH	-0.0227
Gm08	6187425	6188399 Gmdrm	hypo	CHH	-0.0251
Gm08	6195071	6196027 Gmdrm	hypo	CHH	-0.0196
Gm08	6198139	6199117 Gmdrm	hypo	CHH	-0.0768
Gm08	6199144	6200142 Gmdrm	hypo	CHH	-0.0775
Gm08	6200151	6201136 Gmdrm	hypo	CHH	-0.0866
Gm08	6204147	6204473 Gmdrm	hypo	CHH	-0.0209
Gm08	6220956	6221296 Gmdrm	hypo	CHH	-0.0294
Gm08	6221461	6222451 Gmdrm	hypo	CHH	-0.0194
Gm08	6228933	6229914 Gmdrm	hypo	CHH	-0.0279
Gm08	6241283	6242270 Gmdrm	hypo	CHH	-0.02
Gm08	6243335	6244329 Gmdrm	hypo	CHH	-0.1382
Gm08	6274775	6275772 Gmdrm	hypo	CHH	-0.0401
Gm08	6287256	6288248 Gmdrm	hypo	CHH	-0.0171
Gm08	6312700	6313700 Gmdrm	hypo	CHH	-0.0138
Gm08	6319968	6320959 Gmdrm	hypo	CHH	-0.0254
Gm08	6335032	6335986 Gmdrm	hypo	CHH	-0.0793
Gm08	6340397	6341397 Gmdrm	hypo	CHH	-0.0525
Gm08	6341417	6342396 Gmdrm	hypo	CHH	-0.0204
Gm08	6344996	6345977 Gmdrm	hypo	CHH	-0.0266
Gm08	6347942	6348934 Gmdrm	hypo	CHH	-0.0281
Gm08	6358012	6358200 Gmdrm	hypo	CHH	-0.0554
Gm08	6364957	6365535 Gmdrm	hypo	CHH	-0.0227
Gm08	6372052	6373051 Gmdrm	hypo	CHH	-0.2316
Gm08	6373057	6374055 Gmdrm	hypo	CHH	-0.1648
Gm08	6380896	6381886 Gmdrm	hypo	CHH	-0.1879
Gm08	6381898	6382859 Gmdrm	hypo	CHH	-0.1112
Gm08	6389412	6390410 Gmdrm	hypo	CHH	-0.0136
Gm08	6390417	6391409 Gmdrm	hypo	CHH	-0.0254
Gm08	6392433	6393432 Gmdrm	hypo	CHH	-0.0491
Gm08	6394478	6395474 Gmdrm	hypo	CHH	-0.041
Gm08	6395485	6396483 Gmdrm	hypo	CHH	-0.065

Gm08	6396489	6397160 Gmdrm	hypo	CHH	-0.0486
Gm08	6404754	6405748 Gmdrm	hypo	CHH	-0.0125
Gm08	6405763	6406753 Gmdrm	hypo	CHH	-0.0118
Gm08	6418794	6418860 Gmdrm	hypo	CHH	-0.036
Gm08	6419005	6419944 Gmdrm	hypo	CHH	-0.02
Gm08	6424123	6425122 Gmdrm	hypo	CHH	-0.0466
Gm08	6428725	6429715 Gmdrm	hypo	CHH	-0.077
Gm08	6429726	6430723 Gmdrm	hypo	CHH	-0.0467
Gm08	6437553	6438534 Gmdrm	hypo	CHH	-0.0201
Gm08	6440276	6441047 Gmdrm	hypo	CHH	-0.0233
Gm08	6449151	6450142 Gmdrm	hypo	CHH	-0.0146
Gm08	6463657	6464649 Gmdrm	hypo	CHH	-0.0527
Gm08	6464658	6465260 Gmdrm	hypo	CHH	-0.0997
Gm08	6465538	6466526 Gmdrm	hypo	CHH	-0.0317
Gm08	6467555	6468554 Gmdrm	hypo	CHH	-0.0195
Gm08	6474914	6475912 Gmdrm	hypo	CHH	-0.0286
Gm08	6479654	6480620 Gmdrm	hypo	CHH	-0.0199
Gm08	6482753	6483728 Gmdrm	hypo	CHH	-0.0268
Gm08	6483758	6484038 Gmdrm	hypo	CHH	-0.056
Gm08	6520433	6520881 Gmdrm	hypo	CHH	-0.0635
Gm08	6526987	6527701 Gmdrm	hypo	CHH	-0.1621
Gm08	6533621	6534620 Gmdrm	hypo	CHH	-0.0466
Gm08	6534625	6535378 Gmdrm	hypo	CHH	-0.0168
Gm08	6535503	6536476 Gmdrm	hypo	CHH	-0.0236
Gm08	6548008	6548978 Gmdrm	hypo	CHH	-0.1239
Gm08	6553358	6554330 Gmdrm	hypo	CHH	-0.0281
Gm08	6558765	6559762 Gmdrm	hypo	CHH	-0.0108
Gm08	6564320	6565319 Gmdrm	hypo	CHH	-0.0271
Gm08	6582918	6583007 Gmdrm	hypo	CHH	-0.0384
Gm08	6587342	6588331 Gmdrm	hypo	CHH	-0.1119
Gm08	6602622	6603621 Gmdrm	hypo	CHH	-0.0316
Gm08	6616152	6616930 Gmdrm	hypo	CHH	-0.0185
Gm08	6624876	6625872 Gmdrm	hypo	CHH	-0.1344
Gm08	6626911	6627885 Gmdrm	hypo	CHH	-0.0164
Gm08	6633023	6633984 Gmdrm	hypo	CHH	-0.0138
Gm08	6649339	6649698 Gmdrm	hypo	CHH	-0.0543
Gm08	6658324	6659300 Gmdrm	hypo	CHH	-0.0154
Gm08	6672829	6673821 Gmdrm	hypo	CHH	-0.0124
Gm08	6674077	6674416 Gmdrm	hypo	CHH	-0.0304
Gm08	6690860	6691848 Gmdrm	hypo	CHH	-0.0108
Gm08	6707237	6707642 Gmdrm	hypo	CHH	-0.0309
Gm08	6726815	6727814 Gmdrm	hypo	CHH	-0.2176
Gm08	6728769	6729768 Gmdrm	hypo	CHH	-0.0218
Gm08	6732928	6733925 Gmdrm	hypo	CHH	-0.0351
Gm08	6741098	6742096 Gmdrm	hypo	CHH	-0.0127
Gm08	6750082	6750229 Gmdrm	hypo	CHH	-0.0277

Gm08	6758450	6759445 Gmdrm	hypo	CHH	-0.0346
Gm08	6767349	6768166 Gmdrm	hypo	CHH	-0.0215
Gm08	6774746	6775672 Gmdrm	hypo	CHH	-0.0145
Gm08	6775777	6776776 Gmdrm	hypo	CHH	-0.0459
Gm08	6776780	6777750 Gmdrm	hypo	CHH	-0.1391
Gm08	6795849	6796828 Gmdrm	hypo	CHH	-0.02
Gm08	6796880	6797875 Gmdrm	hypo	CHH	-0.0144
Gm08	6815176	6816171 Gmdrm	hypo	CHH	-0.1248
Gm08	6819645	6820633 Gmdrm	hypo	CHH	-0.0557
Gm08	6832964	6833960 Gmdrm	hypo	CHH	-0.0256
Gm08	6833983	6834946 Gmdrm	hypo	CHH	-0.0563
Gm08	6843378	6844378 Gmdrm	hypo	CHH	-0.0167
Gm08	6844384	6845378 Gmdrm	hypo	CHH	-0.0447
Gm08	6845394	6846376 Gmdrm	hypo	CHH	-0.0663
Gm08	6846396	6847394 Gmdrm	hypo	CHH	-0.0134
Gm08	6847398	6848393 Gmdrm	hypo	CHH	-0.0791
Gm08	6850717	6850827 Gmdrm	hypo	CHH	-0.0941
Gm08	6852424	6853419 Gmdrm	hypo	CHH	-0.013
Gm08	6856284	6857280 Gmdrm	hypo	CHH	-0.0759
Gm08	6879077	6879290 Gmdrm	hypo	CHH	-0.0276
Gm08	6881798	6882791 Gmdrm	hypo	CHH	-0.0325
Gm08	6887800	6888798 Gmdrm	hypo	CHH	-0.014
Gm08	6897217	6898209 Gmdrm	hypo	CHH	-0.013
Gm08	6900548	6901530 Gmdrm	hypo	CHH	-0.041
Gm08	6906914	6907913 Gmdrm	hypo	CHH	-0.1369
Gm08	6907916	6908913 Gmdrm	hypo	CHH	-0.0711
Gm08	6908928	6909876 Gmdrm	hypo	CHH	-0.0128
Gm08	6920092	6921085 Gmdrm	hypo	CHH	-0.0137
Gm08	6926154	6927148 Gmdrm	hypo	CHH	-0.0247
Gm08	6927155	6928140 Gmdrm	hypo	CHH	-0.0126
Gm08	6938969	6939967 Gmdrm	hypo	CHH	-0.0196
Gm08	6939975	6940958 Gmdrm	hypo	CHH	-0.0351
Gm08	6948329	6949319 Gmdrm	hypo	CHH	-0.0134
Gm08	6959820	6960816 Gmdrm	hypo	CHH	-0.0224
Gm08	6970291	6971273 Gmdrm	hypo	CHH	-0.0133
Gm08	6980877	6981288 Gmdrm	hypo	CHH	-0.0655
Gm08	6983441	6984424 Gmdrm	hypo	CHH	-0.0675
Gm08	6984463	6985438 Gmdrm	hypo	CHH	-0.0275
Gm08	6988791	6989772 Gmdrm	hypo	CHH	-0.0875
Gm08	6991832	6992830 Gmdrm	hypo	CHH	-0.0281
Gm08	6992893	6993865 Gmdrm	hypo	CHH	-0.0313
Gm08	6995041	6996035 Gmdrm	hypo	CHH	-0.0659
Gm08	6996054	6996406 Gmdrm	hypo	CHH	-0.0168
Gm08	7012959	7013953 Gmdrm	hypo	CHH	-0.0228
Gm08	7038946	7039925 Gmdrm	hypo	CHH	-0.0804
Gm08	7043894	7044886 Gmdrm	hypo	CHH	-0.108

Gm08	7045899	7046872 Gmdrm	hypo	CHH	-0.03
Gm08	7050686	7051683 Gmdrm	hypo	CHH	-0.0211
Gm08	7057396	7058388 Gmdrm	hypo	CHH	-0.0245
Gm08	7058406	7059393 Gmdrm	hypo	CHH	-0.0624
Gm08	7059619	7060606 Gmdrm	hypo	CHH	-0.1465
Gm08	7060626	7061622 Gmdrm	hypo	CHH	-0.0729
Gm08	7068262	7069245 Gmdrm	hypo	CHH	-0.0785
Gm08	7069271	7069734 Gmdrm	hypo	CHH	-0.062
Gm08	7083497	7084493 Gmdrm	hypo	CHH	-0.0541
Gm08	7099556	7100555 Gmdrm	hypo	CHH	-0.2265
Gm08	7112826	7113406 Gmdrm	hypo	CHH	-0.0562
Gm08	7115404	7116399 Gmdrm	hypo	CHH	-0.0831
Gm08	7116412	7117068 Gmdrm	hypo	CHH	-0.1302
Gm08	7121306	7122306 Gmdrm	hypo	CHH	-0.014
Gm08	7126146	7126356 Gmdrm	hypo	CHH	-0.056
Gm08	7126461	7126503 Gmdrm	hypo	CHH	-0.0343
Gm08	7131228	7132039 Gmdrm	hypo	CHH	-0.4212
Gm08	7135633	7136440 Gmdrm	hypo	CHH	-0.0123
Gm08	7137622	7138613 Gmdrm	hypo	CHH	-0.3248
Gm08	7146925	7147920 Gmdrm	hypo	CHH	-0.0843
Gm08	7147936	7148908 Gmdrm	hypo	CHH	-0.026
Gm08	7154194	7154360 Gmdrm	hypo	CHH	-0.0733
Gm08	7155509	7156508 Gmdrm	hypo	CHH	-0.0628
Gm08	7156512	7157511 Gmdrm	hypo	CHH	-0.0673
Gm08	7157526	7158421 Gmdrm	hypo	CHH	-0.0424
Gm08	7158713	7159675 Gmdrm	hypo	CHH	-0.1029
Gm08	7159722	7160654 Gmdrm	hypo	CHH	-0.0162
Gm08	7176642	7177421 Gmdrm	hypo	CHH	-0.0217
Gm08	7182584	7183576 Gmdrm	hypo	CHH	-0.0376
Gm08	7186788	7187344 Gmdrm	hypo	CHH	-0.0156
Gm08	7197739	7198717 Gmdrm	hypo	CHH	-0.1312
Gm08	7198743	7199718 Gmdrm	hypo	CHH	-0.0562
Gm08	7205739	7206731 Gmdrm	hypo	CHH	-0.0309
Gm08	7206753	7207753 Gmdrm	hypo	CHH	-0.1909
Gm08	7207925	7208913 Gmdrm	hypo	CHH	-0.2099
Gm08	7218374	7219372 Gmdrm	hypo	CHH	-0.0648
Gm08	7219375	7220353 Gmdrm	hypo	CHH	-0.1104
Gm08	7246527	7247207 Gmdrm	hypo	CHH	-0.0149
Gm08	7253285	7254105 Gmdrm	hypo	CHH	-0.0378
Gm08	7254805	7255798 Gmdrm	hypo	CHH	-0.1223
Gm08	7255806	7256776 Gmdrm	hypo	CHH	-0.0886
Gm08	7258096	7258668 Gmdrm	hypo	CHH	-0.024
Gm08	7267257	7268234 Gmdrm	hypo	CHH	-0.0154
Gm08	7275505	7276478 Gmdrm	hypo	CHH	-0.0156
Gm08	7279955	7280939 Gmdrm	hypo	CHH	-0.0661
Gm08	7280977	7281869 Gmdrm	hypo	CHH	-0.17

Gm08	7289674	7290667	Gmdrm	hypo	CHH	-0.013
Gm08	7294741	7295615	Gmdrm	hypo	CHH	-0.045
Gm08	7302615	7303610	Gmdrm	hypo	CHH	-0.0257
Gm08	7303617	7304613	Gmdrm	hypo	CHH	-0.1268
Gm08	7304626	7305620	Gmdrm	hypo	CHH	-0.1024
Gm08	7305628	7306616	Gmdrm	hypo	CHH	-0.0956
Gm08	7307667	7308663	Gmdrm	hypo	CHH	-0.1267
Gm08	7308668	7309645	Gmdrm	hypo	CHH	-0.0448
Gm08	7312263	7312944	Gmdrm	hypo	CHH	-0.0297
Gm08	7322308	7323304	Gmdrm	hypo	CHH	-0.021
Gm08	7329510	7330468	Gmdrm	hypo	CHH	-0.0866
Gm08	7344016	7345003	Gmdrm	hypo	CHH	-0.0182
Gm08	7349070	7350062	Gmdrm	hypo	CHH	-0.0328
Gm08	7366203	7367170	Gmdrm	hypo	CHH	-0.0397
Gm08	7368775	7369752	Gmdrm	hypo	CHH	-0.0118
Gm08	7382210	7382822	Gmdrm	hypo	CHH	-0.2217
Gm08	7382932	7383325	Gmdrm	hypo	CHH	-0.218
Gm08	7384433	7385433	Gmdrm	hypo	CHH	-0.0416
Gm08	7385437	7386419	Gmdrm	hypo	CHH	-0.0602
Gm08	7389412	7390389	Gmdrm	hypo	CHH	-0.0183
Gm08	7390424	7391424	Gmdrm	hypo	CHH	-0.0164
Gm08	7391434	7392425	Gmdrm	hypo	CHH	-0.0294
Gm08	7398879	7399678	Gmdrm	hypo	CHH	-0.4263
Gm08	7404687	7405680	Gmdrm	hypo	CHH	-0.0812
Gm08	7405912	7406866	Gmdrm	hypo	CHH	-0.1194
Gm08	7415606	7416602	Gmdrm	hypo	CHH	-0.2536
Gm08	7416610	7417605	Gmdrm	hypo	CHH	-0.0668
Gm08	7418913	7419908	Gmdrm	hypo	CHH	-0.1227
Gm08	7419926	7420216	Gmdrm	hypo	CHH	-0.0439
Gm08	7423448	7424442	Gmdrm	hypo	CHH	-0.0239
Gm08	7424465	7425460	Gmdrm	hypo	CHH	-0.0186
Gm08	7426491	7427488	Gmdrm	hypo	CHH	-0.0602
Gm08	7431408	7432404	Gmdrm	hypo	CHH	-0.0218
Gm08	7440273	7440669	Gmdrm	hypo	CHH	-0.0555
Gm08	7441155	7441392	Gmdrm	hypo	CHH	-0.048
Gm08	7468438	7469422	Gmdrm	hypo	CHH	-0.028
Gm08	7470444	7471441	Gmdrm	hypo	CHH	-0.0501
Gm08	7471465	7472462	Gmdrm	hypo	CHH	-0.0231
Gm08	7482375	7483369	Gmdrm	hypo	CHH	-0.016
Gm08	7500234	7501228	Gmdrm	hypo	CHH	-0.0185
Gm08	7507598	7507776	Gmdrm	hypo	CHH	-0.0254
Gm08	7517584	7518577	Gmdrm	hypo	CHH	-0.0387
Gm08	7524912	7525904	Gmdrm	hypo	CHH	-0.0851
Gm08	7525914	7526897	Gmdrm	hypo	CHH	-0.1027
Gm08	7527943	7528918	Gmdrm	hypo	CHH	-0.0177
Gm08	7532329	7533317	Gmdrm	hypo	CHH	-0.0328

Gm08	7533786	7534785 Gmdrm	hypo	CHH	-0.0144
Gm08	7539940	7540911 Gmdrm	hypo	CHH	-0.0404
Gm08	7546587	7547570 Gmdrm	hypo	CHH	-0.0443
Gm08	7563683	7564669 Gmdrm	hypo	CHH	-0.0254
Gm08	7570261	7571259 Gmdrm	hypo	CHH	-0.0213
Gm08	7574803	7575795 Gmdrm	hypo	CHH	-0.1402
Gm08	7576205	7577147 Gmdrm	hypo	CHH	-0.0897
Gm08	7578976	7579974 Gmdrm	hypo	CHH	-0.0187
Gm08	7584886	7585820 Gmdrm	hypo	CHH	-0.0126
Gm08	7606264	7607260 Gmdrm	hypo	CHH	-0.0321
Gm08	7607283	7608275 Gmdrm	hypo	CHH	-0.137
Gm08	7608284	7609218 Gmdrm	hypo	CHH	-0.0638
Gm08	7611394	7612353 Gmdrm	hypo	CHH	-0.0327
Gm08	7618439	7619439 Gmdrm	hypo	CHH	-0.0218
Gm08	7624360	7625308 Gmdrm	hypo	CHH	-0.0254
Gm08	7625450	7626439 Gmdrm	hypo	CHH	-0.0449
Gm08	7632966	7633960 Gmdrm	hypo	CHH	-0.0928
Gm08	7635037	7636025 Gmdrm	hypo	CHH	-0.0363
Gm08	7639241	7639507 Gmdrm	hypo	CHH	-0.0217
Gm08	7643661	7644659 Gmdrm	hypo	CHH	-0.1756
Gm08	7645689	7646674 Gmdrm	hypo	CHH	-0.0117
Gm08	7652985	7653963 Gmdrm	hypo	CHH	-0.0138
Gm08	7655018	7656004 Gmdrm	hypo	CHH	-0.0619
Gm08	7657032	7658015 Gmdrm	hypo	CHH	-0.244
Gm08	7658041	7659039 Gmdrm	hypo	CHH	-0.013
Gm08	7671911	7672529 Gmdrm	hypo	CHH	-0.0431
Gm08	7680474	7681451 Gmdrm	hypo	CHH	-0.0272
Gm08	7686697	7687688 Gmdrm	hypo	CHH	-0.0467
Gm08	7687723	7688716 Gmdrm	hypo	CHH	-0.0479
Gm08	7688747	7689723 Gmdrm	hypo	CHH	-0.0514
Gm08	7691272	7692263 Gmdrm	hypo	CHH	-0.0515
Gm08	7692290	7693289 Gmdrm	hypo	CHH	-0.0575
Gm08	7693886	7694882 Gmdrm	hypo	CHH	-0.0106
Gm08	7695905	7696488 Gmdrm	hypo	CHH	-0.0198
Gm08	7697609	7698006 Gmdrm	hypo	CHH	-0.0225
Gm08	7701273	7702248 Gmdrm	hypo	CHH	-0.0368
Gm08	7709242	7709859 Gmdrm	hypo	CHH	-0.0475
Gm08	7719318	7720318 Gmdrm	hypo	CHH	-0.1296
Gm08	7720321	7721313 Gmdrm	hypo	CHH	-0.063
Gm08	7721322	7721846 Gmdrm	hypo	CHH	-0.0266
Gm08	7724183	7725154 Gmdrm	hypo	CHH	-0.0674
Gm08	7737646	7738628 Gmdrm	hypo	CHH	-0.0117
Gm08	7754280	7755107 Gmdrm	hypo	CHH	-0.0416
Gm08	7755826	7756629 Gmdrm	hypo	CHH	-0.1014
Gm08	7761004	7761994 Gmdrm	hypo	CHH	-0.0558
Gm08	7762011	7762863 Gmdrm	hypo	CHH	-0.019

Gm08	7770809	7771793	Gmdrm	hypo	CHH	-0.0154
Gm08	7787474	7788211	Gmdrm	hypo	CHH	-0.0544
Gm08	7789881	7790874	Gmdrm	hypo	CHH	-0.0625
Gm08	7817729	7818728	Gmdrm	hypo	CHH	-0.0158
Gm08	7823494	7824487	Gmdrm	hypo	CHH	-0.0508
Gm08	7824914	7825662	Gmdrm	hypo	CHH	-0.0583
Gm08	7834494	7835463	Gmdrm	hypo	CHH	-0.0203
Gm08	7863716	7864716	Gmdrm	hypo	CHH	-0.1482
Gm08	7864717	7865703	Gmdrm	hypo	CHH	-0.0235
Gm08	7870948	7871937	Gmdrm	hypo	CHH	-0.0151
Gm08	7878783	7879080	Gmdrm	hypo	CHH	-0.0222
Gm08	7879981	7880349	Gmdrm	hypo	CHH	-0.0214
Gm08	7888688	7889675	Gmdrm	hypo	CHH	-0.0209
Gm08	7890332	7891307	Gmdrm	hypo	CHH	-0.0161
Gm08	7915806	7916805	Gmdrm	hypo	CHH	-0.0575
Gm08	7916808	7917731	Gmdrm	hypo	CHH	-0.0627
Gm08	7933404	7934403	Gmdrm	hypo	CHH	-0.031
Gm08	7934407	7935402	Gmdrm	hypo	CHH	-0.0532
Gm08	7939847	7940826	Gmdrm	hypo	CHH	-0.0198
Gm08	7965063	7966058	Gmdrm	hypo	CHH	-0.0965
Gm08	7970373	7971360	Gmdrm	hypo	CHH	-0.0276
Gm08	7998017	7998742	Gmdrm	hypo	CHH	-0.0645
Gm08	8014556	8015550	Gmdrm	hypo	CHH	-0.0096
Gm08	8015559	8016557	Gmdrm	hypo	CHH	-0.0121
Gm08	8019714	8020706	Gmdrm	hypo	CHH	-0.0107
Gm08	8020739	8021738	Gmdrm	hypo	CHH	-0.01
Gm08	8022746	8023098	Gmdrm	hypo	CHH	-0.03
Gm08	8030173	8031171	Gmdrm	hypo	CHH	-0.2266
Gm08	8031182	8031995	Gmdrm	hypo	CHH	-0.1274
Gm08	8037807	8038806	Gmdrm	hypo	CHH	-0.2476
Gm08	8043525	8044522	Gmdrm	hypo	CHH	-0.0165
Gm08	8047076	8048069	Gmdrm	hypo	CHH	-0.0764
Gm08	8048085	8049079	Gmdrm	hypo	CHH	-0.1337
Gm08	8051558	8052504	Gmdrm	hypo	CHH	-0.1223
Gm08	8052568	8053555	Gmdrm	hypo	CHH	-0.1125
Gm08	8081648	8082641	Gmdrm	hypo	CHH	-0.0421
Gm08	8083497	8084418	Gmdrm	hypo	CHH	-0.0208
Gm08	8093321	8093474	Gmdrm	hypo	CHH	-0.0318
Gm08	8099041	8100017	Gmdrm	hypo	CHH	-0.0157
Gm08	8103829	8104823	Gmdrm	hypo	CHH	-0.0325
Gm08	8128377	8129330	Gmdrm	hypo	CHH	-0.0293
Gm08	8130584	8131549	Gmdrm	hypo	CHH	-0.0237
Gm08	8138668	8139656	Gmdrm	hypo	CHH	-0.0203
Gm08	8139671	8140629	Gmdrm	hypo	CHH	-0.0324
Gm08	8171027	8171978	Gmdrm	hypo	CHH	-0.0199
Gm08	8179903	8180903	Gmdrm	hypo	CHH	-0.1089

Gm08	8180911	8181911 Gmdrm	hypo	CHH	-0.1034
Gm08	8181918	8182845 Gmdrm	hypo	CHH	-0.1538
Gm08	8183551	8184543 Gmdrm	hypo	CHH	-0.0159
Gm08	8210147	8211122 Gmdrm	hypo	CHH	-0.0303
Gm08	8212162	8212928 Gmdrm	hypo	CHH	-0.0256
Gm08	8220600	8221575 Gmdrm	hypo	CHH	-0.1677
Gm08	8224769	8225703 Gmdrm	hypo	CHH	-0.0243
Gm08	8239967	8240962 Gmdrm	hypo	CHH	-0.0324
Gm08	8240968	8241967 Gmdrm	hypo	CHH	-0.0576
Gm08	8257807	8258804 Gmdrm	hypo	CHH	-0.0292
Gm08	8260496	8260761 Gmdrm	hypo	CHH	-0.0175
Gm08	8262663	8263661 Gmdrm	hypo	CHH	-0.2416
Gm08	8263667	8264216 Gmdrm	hypo	CHH	-0.1733
Gm08	8265512	8265718 Gmdrm	hypo	CHH	-0.0252
Gm08	8271424	8272420 Gmdrm	hypo	CHH	-0.0654
Gm08	8281223	8282207 Gmdrm	hypo	CHH	-0.0359
Gm08	8282244	8283240 Gmdrm	hypo	CHH	-0.0119
Gm08	8288009	8289003 Gmdrm	hypo	CHH	-0.0179
Gm08	8290021	8290997 Gmdrm	hypo	CHH	-0.156
Gm08	8295658	8296653 Gmdrm	hypo	CHH	-0.0119
Gm08	8307209	8308178 Gmdrm	hypo	CHH	-0.0414
Gm08	8309222	8310222 Gmdrm	hypo	CHH	-0.0533
Gm08	8310224	8311202 Gmdrm	hypo	CHH	-0.0474
Gm08	8318323	8319314 Gmdrm	hypo	CHH	-0.0813
Gm08	8330373	8331373 Gmdrm	hypo	CHH	-0.1446
Gm08	8331393	8332367 Gmdrm	hypo	CHH	-0.029
Gm08	8348412	8349401 Gmdrm	hypo	CHH	-0.0437
Gm08	8349420	8350418 Gmdrm	hypo	CHH	-0.0185
Gm08	8355566	8356560 Gmdrm	hypo	CHH	-0.0196
Gm08	8398108	8398508 Gmdrm	hypo	CHH	-0.0478
Gm08	8399450	8399480 Gmdrm	hypo	CHH	-0.0967
Gm08	8407041	8408026 Gmdrm	hypo	CHH	-0.0269
Gm08	8429585	8430570 Gmdrm	hypo	CHH	-0.0289
Gm08	8433651	8434040 Gmdrm	hypo	CHH	-0.4066
Gm08	8434484	8435470 Gmdrm	hypo	CHH	-0.078
Gm08	8439494	8440483 Gmdrm	hypo	CHH	-0.0198
Gm08	8447376	8448371 Gmdrm	hypo	CHH	-0.0521
Gm08	8448382	8449381 Gmdrm	hypo	CHH	-0.1861
Gm08	8449383	8450351 Gmdrm	hypo	CHH	-0.1568
Gm08	8468202	8469200 Gmdrm	hypo	CHH	-0.034
Gm08	8514275	8515274 Gmdrm	hypo	CHH	-0.1204
Gm08	8515285	8516136 Gmdrm	hypo	CHH	-0.0506
Gm08	8528805	8529774 Gmdrm	hypo	CHH	-0.0715
Gm08	8547304	8548293 Gmdrm	hypo	CHH	-0.1193
Gm08	8549319	8550308 Gmdrm	hypo	CHH	-0.0277
Gm08	8564562	8565561 Gmdrm	hypo	CHH	-0.0172

Gm08	8566935	8567917 Gmdrm	hypo	CHH	-0.0429
Gm08	8567936	8568914 Gmdrm	hypo	CHH	-0.1066
Gm08	8574018	8574226 Gmdrm	hypo	CHH	-0.0311
Gm08	8576338	8577337 Gmdrm	hypo	CHH	-0.0587
Gm08	8579805	8580602 Gmdrm	hypo	CHH	-0.0219
Gm08	8590757	8591746 Gmdrm	hypo	CHH	-0.0636
Gm08	8599506	8600506 Gmdrm	hypo	CHH	-0.0144
Gm08	8609535	8610510 Gmdrm	hypo	CHH	-0.0323
Gm08	8623349	8624349 Gmdrm	hypo	CHH	-0.0305
Gm08	8624350	8625335 Gmdrm	hypo	CHH	-0.017
Gm08	8629542	8630298 Gmdrm	hypo	CHH	-0.0242
Gm08	8634257	8635254 Gmdrm	hypo	CHH	-0.0183
Gm08	8644340	8645335 Gmdrm	hypo	CHH	-0.1438
Gm08	8645345	8646062 Gmdrm	hypo	CHH	-0.0875
Gm08	8659155	8660149 Gmdrm	hypo	CHH	-0.0509
Gm08	8660156	8661155 Gmdrm	hypo	CHH	-0.1142
Gm08	8661164	8662146 Gmdrm	hypo	CHH	-0.1083
Gm08	8677683	8678644 Gmdrm	hypo	CHH	-0.0374
Gm08	8683158	8684158 Gmdrm	hypo	CHH	-0.0279
Gm08	8684160	8685152 Gmdrm	hypo	CHH	-0.0245
Gm08	8698370	8699189 Gmdrm	hypo	CHH	-0.0324
Gm08	8708884	8709880 Gmdrm	hypo	CHH	-0.0249
Gm08	8709890	8710711 Gmdrm	hypo	CHH	-0.0444
Gm08	8728720	8729197 Gmdrm	hypo	CHH	-0.1293
Gm08	8729459	8730458 Gmdrm	hypo	CHH	-0.172
Gm08	8742499	8743119 Gmdrm	hypo	CHH	-0.0204
Gm08	8751115	8752089 Gmdrm	hypo	CHH	-0.0283
Gm08	8753362	8754345 Gmdrm	hypo	CHH	-0.0191
Gm08	8760821	8761667 Gmdrm	hypo	CHH	-0.0365
Gm08	8770086	8771047 Gmdrm	hypo	CHH	-0.0283
Gm08	8777630	8778625 Gmdrm	hypo	CHH	-0.0127
Gm08	8789744	8790725 Gmdrm	hypo	CHH	-0.0153
Gm08	8801186	8802173 Gmdrm	hypo	CHH	-0.0615
Gm08	8811817	8812813 Gmdrm	hypo	CHH	-0.1496
Gm08	8812822	8813060 Gmdrm	hypo	CHH	-0.1198
Gm08	8822617	8823614 Gmdrm	hypo	CHH	-0.1396
Gm08	8823620	8823656 Gmdrm	hypo	CHH	-0.624
Gm08	8828911	8829910 Gmdrm	hypo	CHH	-0.1947
Gm08	8829922	8830921 Gmdrm	hypo	CHH	-0.1848
Gm08	8831955	8832948 Gmdrm	hypo	CHH	-0.0427
Gm08	8832957	8833954 Gmdrm	hypo	CHH	-0.1515
Gm08	8840590	8841560 Gmdrm	hypo	CHH	-0.3425
Gm08	8867061	8868041 Gmdrm	hypo	CHH	-0.0277
Gm08	8868076	8869062 Gmdrm	hypo	CHH	-0.1692
Gm08	8871156	8872146 Gmdrm	hypo	CHH	-0.0813
Gm08	8872163	8873132 Gmdrm	hypo	CHH	-0.0738

Gm08	8879439	8880437	Gmdrm	hypo	CHH	-0.3158
Gm08	8884735	8885734	Gmdrm	hypo	CHH	-0.0952
Gm08	8886717	8887711	Gmdrm	hypo	CHH	-0.0851
Gm08	8887741	8887873	Gmdrm	hypo	CHH	-0.0357
Gm08	8891619	8892055	Gmdrm	hypo	CHH	-0.0173
Gm08	8892193	8892586	Gmdrm	hypo	CHH	-0.021
Gm08	8897090	8898085	Gmdrm	hypo	CHH	-0.0217
Gm08	8930363	8931208	Gmdrm	hypo	CHH	-0.0172
Gm08	8932692	8933632	Gmdrm	hypo	CHH	-0.0498
Gm08	8935542	8936526	Gmdrm	hypo	CHH	-0.0212
Gm08	8938514	8939291	Gmdrm	hypo	CHH	-0.0214
Gm08	8942733	8943732	Gmdrm	hypo	CHH	-0.1358
Gm08	8943735	8944710	Gmdrm	hypo	CHH	-0.0242
Gm08	8946766	8947760	Gmdrm	hypo	CHH	-0.0545
Gm08	8952136	8952956	Gmdrm	hypo	CHH	-0.2085
Gm08	8953209	8954201	Gmdrm	hypo	CHH	-0.1207
Gm08	8954214	8955211	Gmdrm	hypo	CHH	-0.0525
Gm08	8955228	8956187	Gmdrm	hypo	CHH	-0.0232
Gm08	8966950	8967937	Gmdrm	hypo	CHH	-0.0178
Gm08	8967952	8968938	Gmdrm	hypo	CHH	-0.1493
Gm08	8978076	8979074	Gmdrm	hypo	CHH	-0.0122
Gm08	8985888	8986692	Gmdrm	hypo	CHH	-0.0472
Gm08	8993135	8994127	Gmdrm	hypo	CHH	-0.02
Gm08	8994138	8995130	Gmdrm	hypo	CHH	-0.0345
Gm08	8995150	8996138	Gmdrm	hypo	CHH	-0.0122
Gm08	9008162	9009151	Gmdrm	hypo	CHH	-0.0131
Gm08	9011192	9011870	Gmdrm	hypo	CHH	-0.025
Gm08	9013773	9014713	Gmdrm	hypo	CHH	-0.1048
Gm08	9019148	9020147	Gmdrm	hypo	CHH	-0.0254
Gm08	9020151	9020437	Gmdrm	hypo	CHH	-0.0344
Gm08	9023489	9023753	Gmdrm	hypo	CHH	-0.065
Gm08	9029837	9030426	Gmdrm	hypo	CHH	-0.0195
Gm08	9039311	9040236	Gmdrm	hypo	CHH	-0.1389
Gm08	9041740	9042303	Gmdrm	hypo	CHH	-0.0198
Gm08	9071483	9072450	Gmdrm	hypo	CHH	-0.0203
Gm08	9100108	9100600	Gmdrm	hypo	CHH	-0.0217
Gm08	9100753	9101750	Gmdrm	hypo	CHH	-0.0115
Gm08	9103169	9103654	Gmdrm	hypo	CHH	-0.05
Gm08	9105640	9106633	Gmdrm	hypo	CHH	-0.0103
Gm08	9115672	9116664	Gmdrm	hypo	CHH	-0.1021
Gm08	9131262	9132260	Gmdrm	hypo	CHH	-0.0118
Gm08	9142917	9143772	Gmdrm	hypo	CHH	-0.0123
Gm08	9153049	9154038	Gmdrm	hypo	CHH	-0.0203
Gm08	9156701	9157694	Gmdrm	hypo	CHH	-0.0645
Gm08	9157710	9158429	Gmdrm	hypo	CHH	-0.0487
Gm08	9166487	9166841	Gmdrm	hypo	CHH	-0.0212

Gm08	9169990	9170950	Gmdrm	hypo	CHH	-0.0202
Gm08	9184361	9185356	Gmdrm	hypo	CHH	-0.0223
Gm08	9187219	9187392	Gmdrm	hypo	CHH	-0.0737
Gm08	9187740	9188090	Gmdrm	hypo	CHH	-0.0412
Gm08	9189980	9190582	Gmdrm	hypo	CHH	-0.3242
Gm08	9193366	9194366	Gmdrm	hypo	CHH	-0.0931
Gm08	9195177	9196174	Gmdrm	hypo	CHH	-0.0232
Gm08	9196179	9197176	Gmdrm	hypo	CHH	-0.0297
Gm08	9198719	9199717	Gmdrm	hypo	CHH	-0.0188
Gm08	9235970	9236919	Gmdrm	hypo	CHH	-0.0136
Gm08	9243556	9244505	Gmdrm	hypo	CHH	-0.0198
Gm08	9246300	9246679	Gmdrm	hypo	CHH	-0.029
Gm08	9247095	9248093	Gmdrm	hypo	CHH	-0.0465
Gm08	9251271	9251949	Gmdrm	hypo	CHH	-0.0525
Gm08	9254671	9255666	Gmdrm	hypo	CHH	-0.0143
Gm08	9261939	9262902	Gmdrm	hypo	CHH	-0.0455
Gm08	9262943	9263937	Gmdrm	hypo	CHH	-0.0782
Gm08	9263974	9264588	Gmdrm	hypo	CHH	-0.02
Gm08	9266556	9267551	Gmdrm	hypo	CHH	-0.0216
Gm08	9290981	9291909	Gmdrm	hypo	CHH	-0.0313
Gm08	9296047	9297037	Gmdrm	hypo	CHH	-0.094
Gm08	9297068	9297265	Gmdrm	hypo	CHH	-0.0665
Gm08	9314763	9315760	Gmdrm	hypo	CHH	-0.0869
Gm08	9315771	9316763	Gmdrm	hypo	CHH	-0.0746
Gm08	9316772	9317745	Gmdrm	hypo	CHH	-0.1268
Gm08	9318596	9319592	Gmdrm	hypo	CHH	-0.1856
Gm08	9319611	9320597	Gmdrm	hypo	CHH	-0.1404
Gm08	9326198	9327172	Gmdrm	hypo	CHH	-0.0155
Gm08	9333780	9334762	Gmdrm	hypo	CHH	-0.0256
Gm08	9344297	9344992	Gmdrm	hypo	CHH	-0.0255
Gm08	9360372	9361364	Gmdrm	hypo	CHH	-0.0236
Gm08	9368769	9369362	Gmdrm	hypo	CHH	-0.0218
Gm08	9370618	9371614	Gmdrm	hypo	CHH	-0.0244
Gm08	9375756	9376748	Gmdrm	hypo	CHH	-0.3347
Gm08	9379259	9380247	Gmdrm	hypo	CHH	-0.0497
Gm08	9384065	9385031	Gmdrm	hypo	CHH	-0.0132
Gm08	9394236	9395216	Gmdrm	hypo	CHH	-0.0152
Gm08	9399323	9400322	Gmdrm	hypo	CHH	-0.0162
Gm08	9408353	9409352	Gmdrm	hypo	CHH	-0.0248
Gm08	9421754	9422713	Gmdrm	hypo	CHH	-0.1945
Gm08	9426006	9427006	Gmdrm	hypo	CHH	-0.0171
Gm08	9432517	9432582	Gmdrm	hypo	CHH	-0.078
Gm08	9437173	9438122	Gmdrm	hypo	CHH	-0.0353
Gm08	9459660	9460462	Gmdrm	hypo	CHH	-0.0237
Gm08	9500084	9501084	Gmdrm	hypo	CHH	-0.0191
Gm08	9505021	9506017	Gmdrm	hypo	CHH	-0.1959

Gm08	9517866	9518624	Gmdrm	hypo	CHH	-0.0785
Gm08	9520841	9521788	Gmdrm	hypo	CHH	-0.038
Gm08	9522351	9522453	Gmdrm	hypo	CHH	-0.0356
Gm08	9538660	9539302	Gmdrm	hypo	CHH	-0.0134
Gm08	9539430	9540425	Gmdrm	hypo	CHH	-0.0228
Gm08	9543443	9544432	Gmdrm	hypo	CHH	-0.0391
Gm08	9553788	9554745	Gmdrm	hypo	CHH	-0.0855
Gm08	9559248	9560244	Gmdrm	hypo	CHH	-0.0214
Gm08	9562799	9563765	Gmdrm	hypo	CHH	-0.0215
Gm08	9573555	9574545	Gmdrm	hypo	CHH	-0.0282
Gm08	9579340	9580339	Gmdrm	hypo	CHH	-0.175
Gm08	9580345	9581345	Gmdrm	hypo	CHH	-0.1746
Gm08	9592114	9592505	Gmdrm	hypo	CHH	-0.0391
Gm08	9594656	9594988	Gmdrm	hypo	CHH	-0.0954
Gm08	9595358	9596332	Gmdrm	hypo	CHH	-0.0894
Gm08	9606037	9607033	Gmdrm	hypo	CHH	-0.072
Gm08	9618839	9619187	Gmdrm	hypo	CHH	-0.1053
Gm08	9620402	9620529	Gmdrm	hypo	CHH	-0.0428
Gm08	9626666	9627280	Gmdrm	hypo	CHH	-0.0132
Gm08	9635485	9636482	Gmdrm	hypo	CHH	-0.037
Gm08	9656600	9657597	Gmdrm	hypo	CHH	-0.0188
Gm08	9664947	9665941	Gmdrm	hypo	CHH	-0.0548
Gm08	9665955	9666274	Gmdrm	hypo	CHH	-0.0764
Gm08	9666635	9667630	Gmdrm	hypo	CHH	-0.0399
Gm08	9668711	9669703	Gmdrm	hypo	CHH	-0.0607
Gm08	9669719	9670180	Gmdrm	hypo	CHH	-0.0239
Gm08	9684628	9685315	Gmdrm	hypo	CHH	-0.0419
Gm08	9686443	9687436	Gmdrm	hypo	CHH	-0.014
Gm08	9687445	9687864	Gmdrm	hypo	CHH	-0.044
Gm08	9695152	9696132	Gmdrm	hypo	CHH	-0.0183
Gm08	9698462	9699457	Gmdrm	hypo	CHH	-0.0516
Gm08	9708272	9709269	Gmdrm	hypo	CHH	-0.0312
Gm08	9724550	9725535	Gmdrm	hypo	CHH	-0.018
Gm08	9729330	9730034	Gmdrm	hypo	CHH	-0.0164
Gm08	9730272	9731252	Gmdrm	hypo	CHH	-0.0262
Gm08	9731670	9732646	Gmdrm	hypo	CHH	-0.0614
Gm08	9732677	9733665	Gmdrm	hypo	CHH	-0.049
Gm08	9733716	9734671	Gmdrm	hypo	CHH	-0.0115
Gm08	9743436	9744435	Gmdrm	hypo	CHH	-0.0424
Gm08	9759512	9759576	Gmdrm	hypo	CHH	-0.0717
Gm08	9760693	9761321	Gmdrm	hypo	CHH	-0.0929
Gm08	9775194	9776155	Gmdrm	hypo	CHH	-0.0234
Gm08	9784125	9785074	Gmdrm	hypo	CHH	-0.0512
Gm08	9794755	9795569	Gmdrm	hypo	CHH	-0.0243
Gm08	9798400	9799389	Gmdrm	hypo	CHH	-0.1467
Gm08	9800429	9801426	Gmdrm	hypo	CHH	-0.0613

Gm08	9802462	9803440 Gmdrm	hypo	CHH	-0.056
Gm08	9822168	9822476 Gmdrm	hypo	CHH	-0.0627
Gm08	9829857	9830857 Gmdrm	hypo	CHH	-0.0651
Gm08	9830858	9831750 Gmdrm	hypo	CHH	-0.0278
Gm08	9844266	9844510 Gmdrm	hypo	CHH	-0.0772
Gm08	9852577	9853542 Gmdrm	hypo	CHH	-0.0268
Gm08	9853602	9853876 Gmdrm	hypo	CHH	-0.1148
Gm08	9863879	9864863 Gmdrm	hypo	CHH	-0.0121
Gm08	9868737	9869728 Gmdrm	hypo	CHH	-0.017
Gm08	9873915	9874901 Gmdrm	hypo	CHH	-0.0228
Gm08	9890230	9890578 Gmdrm	hypo	CHH	-0.0244
Gm08	9892892	9893863 Gmdrm	hypo	CHH	-0.0215
Gm08	9897715	9898670 Gmdrm	hypo	CHH	-0.032
Gm08	9900745	9901745 Gmdrm	hypo	CHH	-0.0679
Gm08	9912728	9913725 Gmdrm	hypo	CHH	-0.0144
Gm08	9918515	9919130 Gmdrm	hypo	CHH	-0.0347
Gm08	9933295	9933948 Gmdrm	hypo	CHH	-0.0378
Gm08	9940929	9941921 Gmdrm	hypo	CHH	-0.0237
Gm08	9956545	9957538 Gmdrm	hypo	CHH	-0.0374
Gm08	9957552	9958535 Gmdrm	hypo	CHH	-0.0871
Gm08	9960979	9961978 Gmdrm	hypo	CHH	-0.0134
Gm08	9968211	9968564 Gmdrm	hypo	CHH	-0.0341
Gm08	9978443	9978593 Gmdrm	hypo	CHH	-0.046
Gm08	9979557	9980545 Gmdrm	hypo	CHH	-0.0124
Gm08	9997428	9998419 Gmdrm	hypo	CHH	-0.0116
Gm08	10096156	10097130 Gmdrm	hypo	CHH	-0.0912
Gm08	10097162	10098160 Gmdrm	hypo	CHH	-0.1161
Gm08	10098164	10099156 Gmdrm	hypo	CHH	-0.0547
Gm08	10107406	10108291 Gmdrm	hypo	CHH	-0.0232
Gm08	10126612	10127049 Gmdrm	hypo	CHH	-0.05
Gm08	10138023	10139021 Gmdrm	hypo	CHH	-0.0769
Gm08	10139025	10140024 Gmdrm	hypo	CHH	-0.0622
Gm08	10140035	10141006 Gmdrm	hypo	CHH	-0.018
Gm08	10141053	10141097 Gmdrm	hypo	CHH	-0.04
Gm08	10149308	10150108 Gmdrm	hypo	CHH	-0.0206
Gm08	10150236	10151211 Gmdrm	hypo	CHH	-0.0616
Gm08	10159054	10160027 Gmdrm	hypo	CHH	-0.1278
Gm08	10163544	10164542 Gmdrm	hypo	CHH	-0.0821
Gm08	10182780	10183777 Gmdrm	hypo	CHH	-0.0567
Gm08	10186052	10187052 Gmdrm	hypo	CHH	-0.0115
Gm08	10196479	10197478 Gmdrm	hypo	CHH	-0.1181
Gm08	10197489	10198306 Gmdrm	hypo	CHH	-0.3648
Gm08	10216185	10217171 Gmdrm	hypo	CHH	-0.0125
Gm08	10244747	10245739 Gmdrm	hypo	CHH	-0.2161
Gm08	10245750	10246746 Gmdrm	hypo	CHH	-0.2386
Gm08	10257063	10258061 Gmdrm	hypo	CHH	-0.011

Gm08	10268299	10268370	Gmdrm	hypo	CHH	-0.0525
Gm08	10270916	10271399	Gmdrm	hypo	CHH	-0.2787
Gm08	10283150	10284150	Gmdrm	hypo	CHH	-0.0552
Gm08	10284152	10285145	Gmdrm	hypo	CHH	-0.0282
Gm08	10311351	10312186	Gmdrm	hypo	CHH	-0.0179
Gm08	10351970	10352924	Gmdrm	hypo	CHH	-0.0244
Gm08	10352981	10353973	Gmdrm	hypo	CHH	-0.0231
Gm08	10366328	10367328	Gmdrm	hypo	CHH	-0.1172
Gm08	10367339	10368330	Gmdrm	hypo	CHH	-0.0259
Gm08	10369356	10370174	Gmdrm	hypo	CHH	-0.2297
Gm08	10370392	10371383	Gmdrm	hypo	CHH	-0.0227
Gm08	10393385	10394385	Gmdrm	hypo	CHH	-0.0155
Gm08	10395469	10396469	Gmdrm	hypo	CHH	-0.0433
Gm08	10398801	10399787	Gmdrm	hypo	CHH	-0.0327
Gm08	10426105	10426984	Gmdrm	hypo	CHH	-0.0231
Gm08	10430444	10431074	Gmdrm	hypo	CHH	-0.0214
Gm08	10432023	10433023	Gmdrm	hypo	CHH	-0.037
Gm08	10433066	10434051	Gmdrm	hypo	CHH	-0.0298
Gm08	10448514	10449499	Gmdrm	hypo	CHH	-0.0295
Gm08	10455662	10456646	Gmdrm	hypo	CHH	-0.0297
Gm08	10458199	10459121	Gmdrm	hypo	CHH	-0.0188
Gm08	10464125	10465085	Gmdrm	hypo	CHH	-0.0575
Gm08	10479151	10480133	Gmdrm	hypo	CHH	-0.1079
Gm08	10494613	10495602	Gmdrm	hypo	CHH	-0.2268
Gm08	10501933	10502931	Gmdrm	hypo	CHH	-0.162
Gm08	10502937	10503924	Gmdrm	hypo	CHH	-0.054
Gm08	10504967	10505964	Gmdrm	hypo	CHH	-0.0112
Gm08	10522805	10523801	Gmdrm	hypo	CHH	-0.0303
Gm08	10523806	10524782	Gmdrm	hypo	CHH	-0.2747
Gm08	10534437	10535409	Gmdrm	hypo	CHH	-0.017
Gm08	10549453	10550388	Gmdrm	hypo	CHH	-0.0707
Gm08	10550804	10551778	Gmdrm	hypo	CHH	-0.0343
Gm08	10552845	10553839	Gmdrm	hypo	CHH	-0.0244
Gm08	10553850	10554850	Gmdrm	hypo	CHH	-0.0333
Gm08	10554857	10555788	Gmdrm	hypo	CHH	-0.0259
Gm08	10565103	10566103	Gmdrm	hypo	CHH	-0.0793
Gm08	10566108	10567077	Gmdrm	hypo	CHH	-0.0387
Gm08	10574644	10575639	Gmdrm	hypo	CHH	-0.0624
Gm08	10575651	10576643	Gmdrm	hypo	CHH	-0.1095
Gm08	10585080	10586078	Gmdrm	hypo	CHH	-0.0287
Gm08	10587018	10587983	Gmdrm	hypo	CHH	-0.0577
Gm08	10594609	10595591	Gmdrm	hypo	CHH	-0.0902
Gm08	10595610	10596601	Gmdrm	hypo	CHH	-0.1509
Gm08	10596619	10597598	Gmdrm	hypo	CHH	-0.032
Gm08	10601430	10602429	Gmdrm	hypo	CHH	-0.0943
Gm08	10602432	10603410	Gmdrm	hypo	CHH	-0.1457

Gm08	10624061	10624591	Gmdrm	hypo	CHH	-0.0218
Gm08	10642474	10643459	Gmdrm	hypo	CHH	-0.0317
Gm08	10643478	10644329	Gmdrm	hypo	CHH	-0.0679
Gm08	10681134	10682079	Gmdrm	hypo	CHH	-0.0155
Gm08	10682146	10683116	Gmdrm	hypo	CHH	-0.0197
Gm08	10698690	10699255	Gmdrm	hypo	CHH	-0.0652
Gm08	10710038	10710948	Gmdrm	hypo	CHH	-0.0237
Gm08	10711059	10712050	Gmdrm	hypo	CHH	-0.18
Gm08	10726450	10727405	Gmdrm	hypo	CHH	-0.0212
Gm08	10735114	10736106	Gmdrm	hypo	CHH	-0.0853
Gm08	10736124	10736983	Gmdrm	hypo	CHH	-0.0702
Gm08	10745982	10746955	Gmdrm	hypo	CHH	-0.0177
Gm08	10746987	10747802	Gmdrm	hypo	CHH	-0.0223
Gm08	10752156	10752971	Gmdrm	hypo	CHH	-0.0261
Gm08	10774433	10775429	Gmdrm	hypo	CHH	-0.0302
Gm08	10784019	10784991	Gmdrm	hypo	CHH	-0.0276
Gm08	10788749	10789723	Gmdrm	hypo	CHH	-0.0345
Gm08	10791351	10792270	Gmdrm	hypo	CHH	-0.0342
Gm08	10797201	10798199	Gmdrm	hypo	CHH	-0.0341
Gm08	10798208	10799159	Gmdrm	hypo	CHH	-0.0147
Gm08	10802325	10803305	Gmdrm	hypo	CHH	-0.0224
Gm08	10815973	10816952	Gmdrm	hypo	CHH	-0.0177
Gm08	10819004	10819969	Gmdrm	hypo	CHH	-0.0255
Gm08	10824568	10825549	Gmdrm	hypo	CHH	-0.3701
Gm08	10826241	10826982	Gmdrm	hypo	CHH	-0.0311
Gm08	10833830	10834794	Gmdrm	hypo	CHH	-0.1531
Gm08	10837955	10838939	Gmdrm	hypo	CHH	-0.0163
Gm08	10838963	10839963	Gmdrm	hypo	CHH	-0.0686
Gm08	10840267	10841179	Gmdrm	hypo	CHH	-0.0573
Gm08	10877221	10878216	Gmdrm	hypo	CHH	-0.1055
Gm08	10878226	10879218	Gmdrm	hypo	CHH	-0.0567
Gm08	10887422	10888422	Gmdrm	hypo	CHH	-0.0564
Gm08	10888429	10889420	Gmdrm	hypo	CHH	-0.0449
Gm08	10889435	10890167	Gmdrm	hypo	CHH	-0.061
Gm08	10910920	10911898	Gmdrm	hypo	CHH	-0.0193
Gm08	10918347	10919299	Gmdrm	hypo	CHH	-0.0339
Gm08	10919354	10920329	Gmdrm	hypo	CHH	-0.0275
Gm08	10926836	10927822	Gmdrm	hypo	CHH	-0.0165
Gm08	10935468	10936456	Gmdrm	hypo	CHH	-0.2086
Gm08	10949662	10950661	Gmdrm	hypo	CHH	-0.0291
Gm08	10950664	10951649	Gmdrm	hypo	CHH	-0.0469
Gm08	10951718	10952083	Gmdrm	hypo	CHH	-0.0846
Gm08	10952231	10953226	Gmdrm	hypo	CHH	-0.0824
Gm08	10970599	10970931	Gmdrm	hypo	CHH	-0.0161
Gm08	10971085	10972079	Gmdrm	hypo	CHH	-0.0237
Gm08	10972096	10973090	Gmdrm	hypo	CHH	-0.0379

Gm08	10973097	10974064	Gmdrm	hypo	CHH	-0.0495
Gm08	10975232	10976222	Gmdrm	hypo	CHH	-0.02
Gm08	10978255	10979131	Gmdrm	hypo	CHH	-0.0143
Gm08	11010270	11011268	Gmdrm	hypo	CHH	-0.0645
Gm08	11039625	11040613	Gmdrm	hypo	CHH	-0.0241
Gm08	11041455	11042450	Gmdrm	hypo	CHH	-0.1937
Gm08	11042456	11043455	Gmdrm	hypo	CHH	-0.1759
Gm08	11043457	11044390	Gmdrm	hypo	CHH	-0.1067
Gm08	11052655	11053644	Gmdrm	hypo	CHH	-0.0226
Gm08	11054125	11055071	Gmdrm	hypo	CHH	-0.0192
Gm08	11058136	11058949	Gmdrm	hypo	CHH	-0.0408
Gm08	11074268	11075262	Gmdrm	hypo	CHH	-0.0397
Gm08	11075273	11076256	Gmdrm	hypo	CHH	-0.0534
Gm08	11076276	11077262	Gmdrm	hypo	CHH	-0.0293
Gm08	11092086	11092435	Gmdrm	hypo	CHH	-0.054
Gm08	11093015	11093817	Gmdrm	hypo	CHH	-0.1227
Gm08	11098688	11099687	Gmdrm	hypo	CHH	-0.0138
Gm08	11099689	11100688	Gmdrm	hypo	CHH	-0.0926
Gm08	11102700	11103677	Gmdrm	hypo	CHH	-0.0163
Gm08	11116375	11117373	Gmdrm	hypo	CHH	-0.0455
Gm08	11117376	11118117	Gmdrm	hypo	CHH	-0.0441
Gm08	11120558	11121555	Gmdrm	hypo	CHH	-0.0091
Gm08	11122376	11123195	Gmdrm	hypo	CHH	-0.0211
Gm08	11130393	11131391	Gmdrm	hypo	CHH	-0.0549
Gm08	11156818	11156950	Gmdrm	hypo	CHH	-0.04
Gm08	11171543	11172092	Gmdrm	hypo	CHH	-0.085
Gm08	11172226	11173217	Gmdrm	hypo	CHH	-0.0297
Gm08	11174551	11175549	Gmdrm	hypo	CHH	-0.0185
Gm08	11175558	11176558	Gmdrm	hypo	CHH	-0.0139
Gm08	11178281	11179273	Gmdrm	hypo	CHH	-0.0193
Gm08	11181331	11182331	Gmdrm	hypo	CHH	-0.0128
Gm08	11184356	11185343	Gmdrm	hypo	CHH	-0.1854
Gm08	11185361	11185424	Gmdrm	hypo	CHH	-0.2145
Gm08	11186815	11187815	Gmdrm	hypo	CHH	-0.2647
Gm08	11187820	11188658	Gmdrm	hypo	CHH	-0.2394
Gm08	11192552	11193549	Gmdrm	hypo	CHH	-0.0784
Gm08	11194559	11195534	Gmdrm	hypo	CHH	-0.105
Gm08	11212243	11213195	Gmdrm	hypo	CHH	-0.0258
Gm08	11214788	11215785	Gmdrm	hypo	CHH	-0.0295
Gm08	11215793	11216774	Gmdrm	hypo	CHH	-0.0669
Gm08	11221239	11222236	Gmdrm	hypo	CHH	-0.0247
Gm08	11236183	11237169	Gmdrm	hypo	CHH	-0.018
Gm08	11239262	11240094	Gmdrm	hypo	CHH	-0.1652
Gm08	11243221	11244219	Gmdrm	hypo	CHH	-0.0119
Gm08	11245250	11246002	Gmdrm	hypo	CHH	-0.0098
Gm08	11265301	11266290	Gmdrm	hypo	CHH	-0.0182

Gm08	11273129	11274125	Gmdrm	hypo	CHH	-0.0112
Gm08	11274145	11275122	Gmdrm	hypo	CHH	-0.2532
Gm08	11289687	11290687	Gmdrm	hypo	CHH	-0.012
Gm08	11302718	11303415	Gmdrm	hypo	CHH	-0.1509
Gm08	11303553	11304519	Gmdrm	hypo	CHH	-0.0368
Gm08	11320850	11321445	Gmdrm	hypo	CHH	-0.1874
Gm08	11324627	11325621	Gmdrm	hypo	CHH	-0.0293
Gm08	11329645	11330617	Gmdrm	hypo	CHH	-0.0271
Gm08	11335381	11336357	Gmdrm	hypo	CHH	-0.0352
Gm08	11338684	11339634	Gmdrm	hypo	CHH	-0.0515
Gm08	11339686	11340187	Gmdrm	hypo	CHH	-0.028
Gm08	11340489	11341489	Gmdrm	hypo	CHH	-0.1705
Gm08	11341492	11342491	Gmdrm	hypo	CHH	-0.2126
Gm08	11342494	11343165	Gmdrm	hypo	CHH	-0.043
Gm08	11344936	11345915	Gmdrm	hypo	CHH	-0.0257
Gm08	11354061	11355059	Gmdrm	hypo	CHH	-0.0604
Gm08	11355072	11356068	Gmdrm	hypo	CHH	-0.1329
Gm08	11356078	11357068	Gmdrm	hypo	CHH	-0.0581
Gm08	11374866	11375238	Gmdrm	hypo	CHH	-0.037
Gm08	11378426	11379404	Gmdrm	hypo	CHH	-0.039
Gm08	11379455	11379969	Gmdrm	hypo	CHH	-0.0756
Gm08	11380220	11381196	Gmdrm	hypo	CHH	-0.2034
Gm08	11381737	11382534	Gmdrm	hypo	CHH	-0.2727
Gm08	11389843	11390843	Gmdrm	hypo	CHH	-0.0347
Gm08	11390854	11391444	Gmdrm	hypo	CHH	-0.1519
Gm08	11393420	11394396	Gmdrm	hypo	CHH	-0.036
Gm08	11404897	11405886	Gmdrm	hypo	CHH	-0.0173
Gm08	11429292	11430258	Gmdrm	hypo	CHH	-0.0092
Gm08	11430299	11431272	Gmdrm	hypo	CHH	-0.0166
Gm08	11431309	11432308	Gmdrm	hypo	CHH	-0.0607
Gm08	11432310	11433304	Gmdrm	hypo	CHH	-0.0951
Gm08	11434532	11435136	Gmdrm	hypo	CHH	-0.0197
Gm08	11436249	11437249	Gmdrm	hypo	CHH	-0.0209
Gm08	11437274	11438274	Gmdrm	hypo	CHH	-0.0115
Gm08	11438287	11439251	Gmdrm	hypo	CHH	-0.0124
Gm08	11439299	11440299	Gmdrm	hypo	CHH	-0.0195
Gm08	11463351	11464338	Gmdrm	hypo	CHH	-0.0443
Gm08	11464853	11465840	Gmdrm	hypo	CHH	-0.0154
Gm08	11468033	11468979	Gmdrm	hypo	CHH	-0.0193
Gm08	11474593	11475222	Gmdrm	hypo	CHH	-0.0261
Gm08	11492170	11493094	Gmdrm	hypo	CHH	-0.0307
Gm08	11497955	11498953	Gmdrm	hypo	CHH	-0.0153
Gm08	11503147	11504141	Gmdrm	hypo	CHH	-0.0328
Gm08	11506182	11507181	Gmdrm	hypo	CHH	-0.0961
Gm08	11507188	11507586	Gmdrm	hypo	CHH	-0.0691
Gm08	11518931	11519923	Gmdrm	hypo	CHH	-0.0154

Gm08	11525071	11526069	Gmdrm	hypo	CHH	-0.0162
Gm08	11529130	11530086	Gmdrm	hypo	CHH	-0.0624
Gm08	11531150	11532136	Gmdrm	hypo	CHH	-0.01
Gm08	11532157	11533157	Gmdrm	hypo	CHH	-0.0217
Gm08	11533202	11534196	Gmdrm	hypo	CHH	-0.1675
Gm08	11534224	11535220	Gmdrm	hypo	CHH	-0.0146
Gm08	11541521	11541816	Gmdrm	hypo	CHH	-0.053
Gm08	11547547	11548365	Gmdrm	hypo	CHH	-0.0729
Gm08	11561502	11562492	Gmdrm	hypo	CHH	-0.058
Gm08	11562506	11563470	Gmdrm	hypo	CHH	-0.044
Gm08	11565862	11566854	Gmdrm	hypo	CHH	-0.0603
Gm08	11579273	11580265	Gmdrm	hypo	CHH	-0.0164
Gm08	11586870	11587868	Gmdrm	hypo	CHH	-0.0627
Gm08	11605157	11605421	Gmdrm	hypo	CHH	-0.0425
Gm08	11605551	11606535	Gmdrm	hypo	CHH	-0.0266
Gm08	11610692	11611689	Gmdrm	hypo	CHH	-0.1129
Gm08	11613711	11614661	Gmdrm	hypo	CHH	-0.03
Gm08	11621994	11622991	Gmdrm	hypo	CHH	-0.0481
Gm08	11623004	11623964	Gmdrm	hypo	CHH	-0.0182
Gm08	11631514	11631693	Gmdrm	hypo	CHH	-0.0422
Gm08	11637297	11638256	Gmdrm	hypo	CHH	-0.0336
Gm08	11643786	11644535	Gmdrm	hypo	CHH	-0.0974
Gm08	11645734	11646733	Gmdrm	hypo	CHH	-0.0291
Gm08	11649779	11650754	Gmdrm	hypo	CHH	-0.0146
Gm08	11658238	11659235	Gmdrm	hypo	CHH	-0.013
Gm08	11669322	11670302	Gmdrm	hypo	CHH	-0.0207
Gm08	11670324	11671293	Gmdrm	hypo	CHH	-0.0423
Gm08	11674375	11675347	Gmdrm	hypo	CHH	-0.0252
Gm08	11681562	11682561	Gmdrm	hypo	CHH	-0.0467
Gm08	11682568	11683545	Gmdrm	hypo	CHH	-0.0522
Gm08	11684592	11685238	Gmdrm	hypo	CHH	-0.0625
Gm08	11694282	11695282	Gmdrm	hypo	CHH	-0.0425
Gm08	11695283	11696283	Gmdrm	hypo	CHH	-0.0348
Gm08	11711208	11712194	Gmdrm	hypo	CHH	-0.117
Gm08	11712216	11713198	Gmdrm	hypo	CHH	-0.1189
Gm08	11719106	11719516	Gmdrm	hypo	CHH	-0.025
Gm08	11719683	11720491	Gmdrm	hypo	CHH	-0.0273
Gm08	11738399	11739395	Gmdrm	hypo	CHH	-0.0682
Gm08	11739409	11740387	Gmdrm	hypo	CHH	-0.0492
Gm08	11746001	11746872	Gmdrm	hypo	CHH	-0.0164
Gm08	11757184	11758138	Gmdrm	hypo	CHH	-0.0546
Gm08	11758195	11759191	Gmdrm	hypo	CHH	-0.0391
Gm08	11759197	11760187	Gmdrm	hypo	CHH	-0.0431
Gm08	11761206	11761539	Gmdrm	hypo	CHH	-0.0167
Gm08	11773646	11774645	Gmdrm	hypo	CHH	-0.0217
Gm08	11777716	11778703	Gmdrm	hypo	CHH	-0.0148

Gm08	11783357	11784333	Gmdrm	hypo	CHH	-0.0157
Gm08	11788923	11789909	Gmdrm	hypo	CHH	-0.0906
Gm08	11793916	11794914	Gmdrm	hypo	CHH	-0.0202
Gm08	11797205	11798160	Gmdrm	hypo	CHH	-0.0165
Gm08	11809458	11810432	Gmdrm	hypo	CHH	-0.0268
Gm08	11817702	11818680	Gmdrm	hypo	CHH	-0.0236
Gm08	11818713	11818963	Gmdrm	hypo	CHH	-0.106
Gm08	11819066	11820053	Gmdrm	hypo	CHH	-0.023
Gm08	11820074	11820177	Gmdrm	hypo	CHH	-0.0359
Gm08	11821487	11822474	Gmdrm	hypo	CHH	-0.0239
Gm08	11826575	11827476	Gmdrm	hypo	CHH	-0.0333
Gm08	11838387	11839386	Gmdrm	hypo	CHH	-0.0375
Gm08	11839389	11840359	Gmdrm	hypo	CHH	-0.0302
Gm08	11840920	11841076	Gmdrm	hypo	CHH	-0.0314
Gm08	11842221	11842370	Gmdrm	hypo	CHH	-0.0278
Gm08	11845790	11846772	Gmdrm	hypo	CHH	-0.0106
Gm08	11846809	11847809	Gmdrm	hypo	CHH	-0.1123
Gm08	11847827	11848797	Gmdrm	hypo	CHH	-0.1758
Gm08	11851567	11852567	Gmdrm	hypo	CHH	-0.0277
Gm08	11860127	11861122	Gmdrm	hypo	CHH	-0.0117
Gm08	11861130	11861764	Gmdrm	hypo	CHH	-0.0282
Gm08	11867403	11867976	Gmdrm	hypo	CHH	-0.0321
Gm08	11868855	11869850	Gmdrm	hypo	CHH	-0.0464
Gm08	11875892	11876167	Gmdrm	hypo	CHH	-0.0544
Gm08	11877342	11878215	Gmdrm	hypo	CHH	-0.0206
Gm08	11880967	11881958	Gmdrm	hypo	CHH	-0.0695
Gm08	11904166	11905154	Gmdrm	hypo	CHH	-0.0252
Gm08	11905167	11905603	Gmdrm	hypo	CHH	-0.0415
Gm08	11905857	11906812	Gmdrm	hypo	CHH	-0.0274
Gm08	11912068	11913064	Gmdrm	hypo	CHH	-0.0478
Gm08	11932815	11933790	Gmdrm	hypo	CHH	-0.0156
Gm08	11938504	11939491	Gmdrm	hypo	CHH	-0.0566
Gm08	11948775	11949350	Gmdrm	hypo	CHH	-0.032
Gm08	11949474	11950446	Gmdrm	hypo	CHH	-0.0208
Gm08	11957974	11958925	Gmdrm	hypo	CHH	-0.0148
Gm08	11974050	11974411	Gmdrm	hypo	CHH	-0.0324
Gm08	11985810	11985931	Gmdrm	hypo	CHH	-0.0316
Gm08	11995109	11996101	Gmdrm	hypo	CHH	-0.0139
Gm08	11997198	11998198	Gmdrm	hypo	CHH	-0.0311
Gm08	12005380	12006127	Gmdrm	hypo	CHH	-0.018
Gm08	12006249	12006737	Gmdrm	hypo	CHH	-0.0178
Gm08	12007861	12008847	Gmdrm	hypo	CHH	-0.0237
Gm08	12017054	12018052	Gmdrm	hypo	CHH	-0.2299
Gm08	12018056	12019042	Gmdrm	hypo	CHH	-0.1939
Gm08	12020312	12021307	Gmdrm	hypo	CHH	-0.0319
Gm08	12022690	12023642	Gmdrm	hypo	CHH	-0.0173

Gm08	12030033	12031032	Gmdrm	hypo	CHH	-0.0236
Gm08	12031034	12032032	Gmdrm	hypo	CHH	-0.0776
Gm08	12033715	12034675	Gmdrm	hypo	CHH	-0.0329
Gm08	12035654	12036626	Gmdrm	hypo	CHH	-0.0431
Gm08	12038485	12038588	Gmdrm	hypo	CHH	-0.0572
Gm08	12042297	12043297	Gmdrm	hypo	CHH	-0.0688
Gm08	12043304	12044269	Gmdrm	hypo	CHH	-0.0255
Gm08	12059776	12060771	Gmdrm	hypo	CHH	-0.115
Gm08	12060780	12061261	Gmdrm	hypo	CHH	-0.0778
Gm08	12061383	12062380	Gmdrm	hypo	CHH	-0.0561
Gm08	12065497	12066497	Gmdrm	hypo	CHH	-0.0697
Gm08	12066513	12067510	Gmdrm	hypo	CHH	-0.1713
Gm08	12069564	12070553	Gmdrm	hypo	CHH	-0.1228
Gm08	12076209	12077204	Gmdrm	hypo	CHH	-0.035
Gm08	12077230	12077484	Gmdrm	hypo	CHH	-0.04
Gm08	12077975	12078974	Gmdrm	hypo	CHH	-0.0677
Gm08	12084964	12085933	Gmdrm	hypo	CHH	-0.0182
Gm08	12090456	12091444	Gmdrm	hypo	CHH	-0.0484
Gm08	12095672	12096669	Gmdrm	hypo	CHH	-0.2394
Gm08	12096676	12097626	Gmdrm	hypo	CHH	-0.0161
Gm08	12097731	12098721	Gmdrm	hypo	CHH	-0.1587
Gm08	12105695	12106376	Gmdrm	hypo	CHH	-0.0285
Gm08	12109088	12110043	Gmdrm	hypo	CHH	-0.0169
Gm08	12110106	12111087	Gmdrm	hypo	CHH	-0.0153
Gm08	12122358	12122969	Gmdrm	hypo	CHH	-0.0267
Gm08	12136258	12137253	Gmdrm	hypo	CHH	-0.0207
Gm08	12137260	12138178	Gmdrm	hypo	CHH	-0.0499
Gm08	12149509	12149836	Gmdrm	hypo	CHH	-0.0518
Gm08	12158231	12159228	Gmdrm	hypo	CHH	-0.0329
Gm08	12165966	12166954	Gmdrm	hypo	CHH	-0.0186
Gm08	12191844	12192842	Gmdrm	hypo	CHH	-0.0805
Gm08	12192847	12193517	Gmdrm	hypo	CHH	-0.0642
Gm08	12211413	12212385	Gmdrm	hypo	CHH	-0.0574
Gm08	12212420	12213417	Gmdrm	hypo	CHH	-0.0986
Gm08	12213423	12214391	Gmdrm	hypo	CHH	-0.0533
Gm08	12230362	12231346	Gmdrm	hypo	CHH	-0.2583
Gm08	12231365	12232358	Gmdrm	hypo	CHH	-0.0311
Gm08	12234430	12235429	Gmdrm	hypo	CHH	-0.0187
Gm08	12239183	12240182	Gmdrm	hypo	CHH	-0.019
Gm08	12240184	12240740	Gmdrm	hypo	CHH	-0.0953
Gm08	12258947	12258985	Gmdrm	hypo	CHH	-0.136
Gm08	12270013	12271011	Gmdrm	hypo	CHH	-0.0257
Gm08	12272051	12272783	Gmdrm	hypo	CHH	-0.0341
Gm08	12274473	12275424	Gmdrm	hypo	CHH	-0.0113
Gm08	12275672	12276229	Gmdrm	hypo	CHH	-0.019
Gm08	12286719	12287642	Gmdrm	hypo	CHH	-0.0241

Gm08	12294002	12294976	Gmdrm	hypo	CHH	-0.0153
Gm08	12295014	12296012	Gmdrm	hypo	CHH	-0.0262
Gm08	12304240	12305234	Gmdrm	hypo	CHH	-0.02
Gm08	12312489	12313484	Gmdrm	hypo	CHH	-0.0235
Gm08	12315533	12316521	Gmdrm	hypo	CHH	-0.0366
Gm08	12317553	12318553	Gmdrm	hypo	CHH	-0.0914
Gm08	12318554	12319531	Gmdrm	hypo	CHH	-0.1417
Gm08	12323586	12324584	Gmdrm	hypo	CHH	-0.1068
Gm08	12332271	12332614	Gmdrm	hypo	CHH	-0.0328
Gm08	12332995	12333499	Gmdrm	hypo	CHH	-0.1283
Gm08	12334753	12335722	Gmdrm	hypo	CHH	-0.1665
Gm08	12335758	12336749	Gmdrm	hypo	CHH	-0.02
Gm08	12337797	12338786	Gmdrm	hypo	CHH	-0.1129
Gm08	12338799	12339794	Gmdrm	hypo	CHH	-0.1139
Gm08	12339802	12340774	Gmdrm	hypo	CHH	-0.1282
Gm08	12351077	12352066	Gmdrm	hypo	CHH	-0.0168
Gm08	12355908	12356908	Gmdrm	hypo	CHH	-0.035
Gm08	12356910	12357899	Gmdrm	hypo	CHH	-0.0936
Gm08	12357914	12358900	Gmdrm	hypo	CHH	-0.0395
Gm08	12359174	12360159	Gmdrm	hypo	CHH	-0.1185
Gm08	12360200	12361193	Gmdrm	hypo	CHH	-0.085
Gm08	12362443	12363441	Gmdrm	hypo	CHH	-0.3294
Gm08	12367372	12368369	Gmdrm	hypo	CHH	-0.0822
Gm08	12368373	12369336	Gmdrm	hypo	CHH	-0.0581
Gm08	12382990	12383593	Gmdrm	hypo	CHH	-0.0255
Gm08	12392376	12392961	Gmdrm	hypo	CHH	-0.0183
Gm08	12393515	12394507	Gmdrm	hypo	CHH	-0.0359
Gm08	12395259	12395705	Gmdrm	hypo	CHH	-0.0212
Gm08	12405965	12406964	Gmdrm	hypo	CHH	-0.015
Gm08	12406982	12407488	Gmdrm	hypo	CHH	-0.091
Gm08	12407601	12408592	Gmdrm	hypo	CHH	-0.0276
Gm08	12416780	12417775	Gmdrm	hypo	CHH	-0.0274
Gm08	12419679	12420659	Gmdrm	hypo	CHH	-0.3341
Gm08	12423164	12424137	Gmdrm	hypo	CHH	-0.0222
Gm08	12433096	12433160	Gmdrm	hypo	CHH	-0.215
Gm08	12441025	12442004	Gmdrm	hypo	CHH	-0.0585
Gm08	12448162	12448478	Gmdrm	hypo	CHH	-0.0166
Gm08	12449314	12450291	Gmdrm	hypo	CHH	-0.0125
Gm08	12450317	12451314	Gmdrm	hypo	CHH	-0.0124
Gm08	12456534	12456853	Gmdrm	hypo	CHH	-0.0631
Gm08	12456976	12457973	Gmdrm	hypo	CHH	-0.0282
Gm08	12471016	12471176	Gmdrm	hypo	CHH	-0.0364
Gm08	12482212	12483164	Gmdrm	hypo	CHH	-0.0114
Gm08	12484240	12485228	Gmdrm	hypo	CHH	-0.0448
Gm08	12491623	12491955	Gmdrm	hypo	CHH	-0.0431
Gm08	12497842	12498813	Gmdrm	hypo	CHH	-0.0276

Gm08	12503241	12503404	Gmdrm	hypo	CHH	-0.0343
Gm08	12511101	12512096	Gmdrm	hypo	CHH	-0.0762
Gm08	12521237	12522202	Gmdrm	hypo	CHH	-0.0179
Gm08	12527309	12528298	Gmdrm	hypo	CHH	-0.0133
Gm08	12529977	12530963	Gmdrm	hypo	CHH	-0.0226
Gm08	12534850	12535804	Gmdrm	hypo	CHH	-0.0142
Gm08	12535932	12536924	Gmdrm	hypo	CHH	-0.0614
Gm08	12536933	12537624	Gmdrm	hypo	CHH	-0.0408
Gm08	12537777	12538770	Gmdrm	hypo	CHH	-0.0172
Gm08	12541740	12542736	Gmdrm	hypo	CHH	-0.0354
Gm08	12557323	12558318	Gmdrm	hypo	CHH	-0.0598
Gm08	12561360	12561934	Gmdrm	hypo	CHH	-0.0214
Gm08	12562064	12563058	Gmdrm	hypo	CHH	-0.0284
Gm08	12568107	12568826	Gmdrm	hypo	CHH	-0.0114
Gm08	12572658	12573652	Gmdrm	hypo	CHH	-0.0639
Gm08	12574671	12575650	Gmdrm	hypo	CHH	-0.0301
Gm08	12575683	12576666	Gmdrm	hypo	CHH	-0.0161
Gm08	12580747	12581746	Gmdrm	hypo	CHH	-0.0184
Gm08	12581748	12582424	Gmdrm	hypo	CHH	-0.026
Gm08	12599590	12600589	Gmdrm	hypo	CHH	-0.0204
Gm08	12621108	12622095	Gmdrm	hypo	CHH	-0.0125
Gm08	12624945	12625911	Gmdrm	hypo	CHH	-0.0282
Gm08	12627570	12628563	Gmdrm	hypo	CHH	-0.0156
Gm08	12631774	12632381	Gmdrm	hypo	CHH	-0.0146
Gm08	12635537	12636536	Gmdrm	hypo	CHH	-0.0121
Gm08	12638790	12639790	Gmdrm	hypo	CHH	-0.0744
Gm08	12639798	12640788	Gmdrm	hypo	CHH	-0.0741
Gm08	12643869	12644549	Gmdrm	hypo	CHH	-0.0216
Gm08	12660124	12661123	Gmdrm	hypo	CHH	-0.0313
Gm08	12664900	12665101	Gmdrm	hypo	CHH	-0.1069
Gm08	12667375	12668367	Gmdrm	hypo	CHH	-0.0589
Gm08	12668389	12669380	Gmdrm	hypo	CHH	-0.0739
Gm08	12669391	12670379	Gmdrm	hypo	CHH	-0.0176
Gm08	12673649	12674359	Gmdrm	hypo	CHH	-0.0236
Gm08	12678648	12679639	Gmdrm	hypo	CHH	-0.0606
Gm08	12683875	12684871	Gmdrm	hypo	CHH	-0.0522
Gm08	12684889	12685868	Gmdrm	hypo	CHH	-0.0294
Gm08	12687553	12688547	Gmdrm	hypo	CHH	-0.0811
Gm08	12688558	12689321	Gmdrm	hypo	CHH	-0.0484
Gm08	12690467	12691465	Gmdrm	hypo	CHH	-0.0129
Gm08	12691470	12692460	Gmdrm	hypo	CHH	-0.2222
Gm08	12695761	12696717	Gmdrm	hypo	CHH	-0.0343
Gm08	12697848	12698429	Gmdrm	hypo	CHH	-0.0205
Gm08	12699572	12700555	Gmdrm	hypo	CHH	-0.0214
Gm08	12705864	12706858	Gmdrm	hypo	CHH	-0.0933
Gm08	12706870	12707850	Gmdrm	hypo	CHH	-0.2046

Gm08	12708906	12709888	Gmdrm	hypo	CHH	-0.0146
Gm08	12712962	12713962	Gmdrm	hypo	CHH	-0.0598
Gm08	12713968	12714967	Gmdrm	hypo	CHH	-0.0638
Gm08	12714970	12715928	Gmdrm	hypo	CHH	-0.0138
Gm08	12720648	12721648	Gmdrm	hypo	CHH	-0.2357
Gm08	12721651	12722645	Gmdrm	hypo	CHH	-0.3027
Gm08	12764543	12765527	Gmdrm	hypo	CHH	-0.043
Gm08	12765546	12766545	Gmdrm	hypo	CHH	-0.0547
Gm08	12766549	12767529	Gmdrm	hypo	CHH	-0.0496
Gm08	12774676	12774970	Gmdrm	hypo	CHH	-0.1084
Gm08	12787797	12788795	Gmdrm	hypo	CHH	-0.0515
Gm08	12788849	12789842	Gmdrm	hypo	CHH	-0.293
Gm08	12792346	12793334	Gmdrm	hypo	CHH	-0.0152
Gm08	12797521	12798277	Gmdrm	hypo	CHH	-0.3316
Gm08	12806279	12807261	Gmdrm	hypo	CHH	-0.0435
Gm08	12822644	12823042	Gmdrm	hypo	CHH	-0.0303
Gm08	12828075	12829068	Gmdrm	hypo	CHH	-0.0248
Gm08	12831157	12831553	Gmdrm	hypo	CHH	-0.0197
Gm08	12851626	12851846	Gmdrm	hypo	CHH	-0.0458
Gm08	12859683	12860651	Gmdrm	hypo	CHH	-0.0128
Gm08	12862860	12863860	Gmdrm	hypo	CHH	-0.0229
Gm08	12866392	12866487	Gmdrm	hypo	CHH	-0.0767
Gm08	12871885	12872882	Gmdrm	hypo	CHH	-0.0332
Gm08	12874097	12874514	Gmdrm	hypo	CHH	-0.042
Gm08	12884953	12885952	Gmdrm	hypo	CHH	-0.0187
Gm08	12897865	12898434	Gmdrm	hypo	CHH	-0.0524
Gm08	12900954	12901953	Gmdrm	hypo	CHH	-0.1344
Gm08	12901955	12902942	Gmdrm	hypo	CHH	-0.0277
Gm08	12909130	12910119	Gmdrm	hypo	CHH	-0.0384
Gm08	12913858	12914852	Gmdrm	hypo	CHH	-0.353
Gm08	12920050	12921027	Gmdrm	hypo	CHH	-0.0205
Gm08	12922670	12923664	Gmdrm	hypo	CHH	-0.0212
Gm08	12954285	12955279	Gmdrm	hypo	CHH	-0.0202
Gm08	12955286	12955872	Gmdrm	hypo	CHH	-0.0246
Gm08	12956067	12957057	Gmdrm	hypo	CHH	-0.0207
Gm08	12965418	12965599	Gmdrm	hypo	CHH	-0.0446
Gm08	12972747	12973740	Gmdrm	hypo	CHH	-0.0417
Gm08	12992842	12993842	Gmdrm	hypo	CHH	-0.0786
Gm08	12994851	12995840	Gmdrm	hypo	CHH	-0.0526
Gm08	12995857	12996842	Gmdrm	hypo	CHH	-0.0324
Gm08	13001745	13002455	Gmdrm	hypo	CHH	-0.1803
Gm08	13002563	13003387	Gmdrm	hypo	CHH	-0.1339
Gm08	13003563	13004553	Gmdrm	hypo	CHH	-0.0256
Gm08	13004570	13005569	Gmdrm	hypo	CHH	-0.0955
Gm08	13006589	13007562	Gmdrm	hypo	CHH	-0.0242
Gm08	13009174	13010171	Gmdrm	hypo	CHH	-0.0411

Gm08	13010176	13011159	Gmdrm	hypo	CHH	-0.058
Gm08	13011180	13012161	Gmdrm	hypo	CHH	-0.0201
Gm08	13012186	13012654	Gmdrm	hypo	CHH	-0.0228
Gm08	13018269	13019265	Gmdrm	hypo	CHH	-0.0678
Gm08	13019314	13020304	Gmdrm	hypo	CHH	-0.0165
Gm08	13026919	13027916	Gmdrm	hypo	CHH	-0.0689
Gm08	13027925	13028924	Gmdrm	hypo	CHH	-0.046
Gm08	13028950	13029945	Gmdrm	hypo	CHH	-0.0156
Gm08	13057718	13058699	Gmdrm	hypo	CHH	-0.024
Gm08	13066629	13067627	Gmdrm	hypo	CHH	-0.0518
Gm08	13079178	13079640	Gmdrm	hypo	CHH	-0.0288
Gm08	13082034	13083024	Gmdrm	hypo	CHH	-0.0138
Gm08	13091319	13092318	Gmdrm	hypo	CHH	-0.1746
Gm08	13096972	13097972	Gmdrm	hypo	CHH	-0.0519
Gm08	13097974	13098973	Gmdrm	hypo	CHH	-0.0568
Gm08	13098975	13099961	Gmdrm	hypo	CHH	-0.0099
Gm08	13113831	13114815	Gmdrm	hypo	CHH	-0.0477
Gm08	13114850	13115819	Gmdrm	hypo	CHH	-0.0308
Gm08	13115866	13116404	Gmdrm	hypo	CHH	-0.0202
Gm08	13128291	13129286	Gmdrm	hypo	CHH	-0.0214
Gm08	13130298	13130590	Gmdrm	hypo	CHH	-0.0445
Gm08	13130725	13131720	Gmdrm	hypo	CHH	-0.0558
Gm08	13133422	13134401	Gmdrm	hypo	CHH	-0.0156
Gm08	13134440	13135428	Gmdrm	hypo	CHH	-0.0311
Gm08	13148855	13149848	Gmdrm	hypo	CHH	-0.1967
Gm08	13154094	13154707	Gmdrm	hypo	CHH	-0.0195
Gm08	13161921	13162181	Gmdrm	hypo	CHH	-0.084
Gm08	13170835	13171822	Gmdrm	hypo	CHH	-0.371
Gm08	13171850	13172845	Gmdrm	hypo	CHH	-0.0198
Gm08	13173864	13174807	Gmdrm	hypo	CHH	-0.0168
Gm08	13174880	13175870	Gmdrm	hypo	CHH	-0.0175
Gm08	13178388	13179388	Gmdrm	hypo	CHH	-0.0372
Gm08	13195890	13196885	Gmdrm	hypo	CHH	-0.0133
Gm08	13200912	13201224	Gmdrm	hypo	CHH	-0.0753
Gm08	13202028	13202120	Gmdrm	hypo	CHH	-0.2
Gm08	13202257	13203247	Gmdrm	hypo	CHH	-0.0563
Gm08	13207431	13208431	Gmdrm	hypo	CHH	-0.0291
Gm08	13208451	13209449	Gmdrm	hypo	CHH	-0.0338
Gm08	13211684	13212683	Gmdrm	hypo	CHH	-0.0444
Gm08	13214750	13215334	Gmdrm	hypo	CHH	-0.0096
Gm08	13234002	13234996	Gmdrm	hypo	CHH	-0.0848
Gm08	13235216	13235603	Gmdrm	hypo	CHH	-0.2206
Gm08	13235789	13236770	Gmdrm	hypo	CHH	-0.0268
Gm08	13241227	13242224	Gmdrm	hypo	CHH	-0.1198
Gm08	13242231	13243229	Gmdrm	hypo	CHH	-0.1066
Gm08	13243240	13244227	Gmdrm	hypo	CHH	-0.0153

Gm08	13277085	13277682	Gmdrm	hypo	CHH	-0.0221
Gm08	13279874	13280873	Gmdrm	hypo	CHH	-0.0449
Gm08	13280875	13281429	Gmdrm	hypo	CHH	-0.0409
Gm08	13285509	13286475	Gmdrm	hypo	CHH	-0.02
Gm08	13293006	13294000	Gmdrm	hypo	CHH	-0.0157
Gm08	13305472	13306399	Gmdrm	hypo	CHH	-0.014
Gm08	13310409	13311400	Gmdrm	hypo	CHH	-0.019
Gm08	13311425	13312421	Gmdrm	hypo	CHH	-0.03
Gm08	13312436	13313434	Gmdrm	hypo	CHH	-0.048
Gm08	13313439	13314433	Gmdrm	hypo	CHH	-0.0479
Gm08	13317806	13318806	Gmdrm	hypo	CHH	-0.025
Gm08	13320309	13321304	Gmdrm	hypo	CHH	-0.0282
Gm08	13331396	13332393	Gmdrm	hypo	CHH	-0.0494
Gm08	13332399	13333386	Gmdrm	hypo	CHH	-0.0551
Gm08	13347051	13348048	Gmdrm	hypo	CHH	-0.0258
Gm08	13376980	13377968	Gmdrm	hypo	CHH	-0.0304
Gm08	13377986	13378311	Gmdrm	hypo	CHH	-0.098
Gm08	13381387	13381864	Gmdrm	hypo	CHH	-0.024
Gm08	13384365	13385365	Gmdrm	hypo	CHH	-0.0596
Gm08	13386390	13387382	Gmdrm	hypo	CHH	-0.0667
Gm08	13387394	13388358	Gmdrm	hypo	CHH	-0.0145
Gm08	13403095	13404078	Gmdrm	hypo	CHH	-0.024
Gm08	13424809	13425803	Gmdrm	hypo	CHH	-0.0138
Gm08	13427794	13428787	Gmdrm	hypo	CHH	-0.0177
Gm08	13428800	13429797	Gmdrm	hypo	CHH	-0.0173
Gm08	13429803	13430801	Gmdrm	hypo	CHH	-0.0968
Gm08	13433480	13434464	Gmdrm	hypo	CHH	-0.0145
Gm08	13434484	13435462	Gmdrm	hypo	CHH	-0.0278
Gm08	13437769	13438761	Gmdrm	hypo	CHH	-0.0395
Gm08	13445733	13446731	Gmdrm	hypo	CHH	-0.1626
Gm08	13446740	13447740	Gmdrm	hypo	CHH	-0.1086
Gm08	13448815	13449811	Gmdrm	hypo	CHH	-0.1244
Gm08	13451837	13452826	Gmdrm	hypo	CHH	-0.045
Gm08	13461647	13462618	Gmdrm	hypo	CHH	-0.0193
Gm08	13475245	13476234	Gmdrm	hypo	CHH	-0.0243
Gm08	13483144	13484138	Gmdrm	hypo	CHH	-0.0258
Gm08	13486591	13487587	Gmdrm	hypo	CHH	-0.0161
Gm08	13514502	13515501	Gmdrm	hypo	CHH	-0.0368
Gm08	13517654	13518617	Gmdrm	hypo	CHH	-0.0506
Gm08	13528910	13529604	Gmdrm	hypo	CHH	-0.0182
Gm08	13531301	13532295	Gmdrm	hypo	CHH	-0.047
Gm08	13532313	13533141	Gmdrm	hypo	CHH	-0.021
Gm08	13534286	13535260	Gmdrm	hypo	CHH	-0.0348
Gm08	13535288	13536266	Gmdrm	hypo	CHH	-0.0454
Gm08	13540822	13541361	Gmdrm	hypo	CHH	-0.0948
Gm08	13547513	13548509	Gmdrm	hypo	CHH	-0.0404

Gm08	13550536	13551536	Gmdrm	hypo	CHH	-0.0891
Gm08	13551545	13552534	Gmdrm	hypo	CHH	-0.0188
Gm08	13554654	13555626	Gmdrm	hypo	CHH	-0.0135
Gm08	13558753	13559729	Gmdrm	hypo	CHH	-0.0206
Gm08	13561877	13562823	Gmdrm	hypo	CHH	-0.0207
Gm08	13569694	13570685	Gmdrm	hypo	CHH	-0.0133
Gm08	13572714	13573706	Gmdrm	hypo	CHH	-0.0127
Gm08	13582393	13583243	Gmdrm	hypo	CHH	-0.0371
Gm08	13586708	13587703	Gmdrm	hypo	CHH	-0.1619
Gm08	13587709	13588637	Gmdrm	hypo	CHH	-0.2347
Gm08	13593359	13594315	Gmdrm	hypo	CHH	-0.1867
Gm08	13594578	13595575	Gmdrm	hypo	CHH	-0.1391
Gm08	13603713	13604709	Gmdrm	hypo	CHH	-0.0858
Gm08	13604714	13605676	Gmdrm	hypo	CHH	-0.0605
Gm08	13606726	13607592	Gmdrm	hypo	CHH	-0.0149
Gm08	13614363	13615359	Gmdrm	hypo	CHH	-0.0273
Gm08	13636413	13637407	Gmdrm	hypo	CHH	-0.0338
Gm08	13638503	13639497	Gmdrm	hypo	CHH	-0.0191
Gm08	13639509	13640508	Gmdrm	hypo	CHH	-0.0776
Gm08	13643063	13644053	Gmdrm	hypo	CHH	-0.0215
Gm08	13645075	13646069	Gmdrm	hypo	CHH	-0.2124
Gm08	13646077	13647048	Gmdrm	hypo	CHH	-0.2214
Gm08	13650390	13651388	Gmdrm	hypo	CHH	-0.0516
Gm08	13651412	13652405	Gmdrm	hypo	CHH	-0.0416
Gm08	13655079	13656072	Gmdrm	hypo	CHH	-0.0117
Gm08	13661796	13662720	Gmdrm	hypo	CHH	-0.0124
Gm08	13668046	13668065	Gmdrm	hypo	CHH	-0.0533
Gm08	13673715	13674036	Gmdrm	hypo	CHH	-0.0204
Gm08	13678625	13679620	Gmdrm	hypo	CHH	-0.0303
Gm08	13681669	13682658	Gmdrm	hypo	CHH	-0.025
Gm08	13682677	13683658	Gmdrm	hypo	CHH	-0.0131
Gm08	13685274	13686268	Gmdrm	hypo	CHH	-0.0204
Gm08	13691420	13692420	Gmdrm	hypo	CHH	-0.0745
Gm08	13693433	13694431	Gmdrm	hypo	CHH	-0.0169
Gm08	13698078	13699071	Gmdrm	hypo	CHH	-0.0706
Gm08	13699090	13700074	Gmdrm	hypo	CHH	-0.1226
Gm08	13704159	13705136	Gmdrm	hypo	CHH	-0.0871
Gm08	13711017	13712011	Gmdrm	hypo	CHH	-0.1303
Gm08	13712019	13712536	Gmdrm	hypo	CHH	-0.1996
Gm08	13718620	13719099	Gmdrm	hypo	CHH	-0.0234
Gm08	13720232	13721232	Gmdrm	hypo	CHH	-0.0268
Gm08	13721235	13722234	Gmdrm	hypo	CHH	-0.0504
Gm08	13722243	13723120	Gmdrm	hypo	CHH	-0.0614
Gm08	13733231	13734226	Gmdrm	hypo	CHH	-0.1233
Gm08	13734234	13735231	Gmdrm	hypo	CHH	-0.0839
Gm08	13735935	13736923	Gmdrm	hypo	CHH	-0.0613

Gm08	13736938	13737900	Gmdrm	hypo	CHH	-0.0454
Gm08	13742113	13743072	Gmdrm	hypo	CHH	-0.0256
Gm08	13744199	13745198	Gmdrm	hypo	CHH	-0.0123
Gm08	13745205	13746180	Gmdrm	hypo	CHH	-0.0544
Gm08	13761294	13762274	Gmdrm	hypo	CHH	-0.0544
Gm08	13766392	13767381	Gmdrm	hypo	CHH	-0.0562
Gm08	13767397	13768386	Gmdrm	hypo	CHH	-0.0179
Gm08	13769976	13770957	Gmdrm	hypo	CHH	-0.0219
Gm08	13780888	13781885	Gmdrm	hypo	CHH	-0.0497
Gm08	13795165	13796132	Gmdrm	hypo	CHH	-0.0173
Gm08	13798735	13799729	Gmdrm	hypo	CHH	-0.0735
Gm08	13804047	13805025	Gmdrm	hypo	CHH	-0.0206
Gm08	13816874	13817873	Gmdrm	hypo	CHH	-0.0594
Gm08	13817889	13818887	Gmdrm	hypo	CHH	-0.0467
Gm08	13819900	13820889	Gmdrm	hypo	CHH	-0.065
Gm08	13833003	13834003	Gmdrm	hypo	CHH	-0.1002
Gm08	13834004	13835002	Gmdrm	hypo	CHH	-0.0152
Gm08	13840728	13841713	Gmdrm	hypo	CHH	-0.0156
Gm08	13850688	13851650	Gmdrm	hypo	CHH	-0.0897
Gm08	13851690	13852643	Gmdrm	hypo	CHH	-0.0992
Gm08	13853727	13854715	Gmdrm	hypo	CHH	-0.0104
Gm08	13854735	13855735	Gmdrm	hypo	CHH	-0.0874
Gm08	13855736	13856503	Gmdrm	hypo	CHH	-0.0264
Gm08	13857664	13858623	Gmdrm	hypo	CHH	-0.0095
Gm08	13858687	13859678	Gmdrm	hypo	CHH	-0.0122
Gm08	13886139	13887129	Gmdrm	hypo	CHH	-0.0181
Gm08	13895684	13896684	Gmdrm	hypo	CHH	-0.0536
Gm08	13896700	13897697	Gmdrm	hypo	CHH	-0.05
Gm08	13897717	13898708	Gmdrm	hypo	CHH	-0.1119
Gm08	13898729	13899724	Gmdrm	hypo	CHH	-0.0516
Gm08	13923019	13924018	Gmdrm	hypo	CHH	-0.0986
Gm08	13925868	13926541	Gmdrm	hypo	CHH	-0.2168
Gm08	13933203	13933599	Gmdrm	hypo	CHH	-0.0725
Gm08	13942991	13943957	Gmdrm	hypo	CHH	-0.3686
Gm08	13943992	13944990	Gmdrm	hypo	CHH	-0.1591
Gm08	13958884	13959872	Gmdrm	hypo	CHH	-0.0343
Gm08	13960185	13961172	Gmdrm	hypo	CHH	-0.1151
Gm08	13961188	13962186	Gmdrm	hypo	CHH	-0.0412
Gm08	13978663	13979592	Gmdrm	hypo	CHH	-0.0222
Gm08	13989201	13990190	Gmdrm	hypo	CHH	-0.2164
Gm08	13990221	13991192	Gmdrm	hypo	CHH	-0.0659
Gm08	13991225	13992225	Gmdrm	hypo	CHH	-0.0538
Gm08	13992228	13993223	Gmdrm	hypo	CHH	-0.1079
Gm08	13998443	13999443	Gmdrm	hypo	CHH	-0.02
Gm08	14002779	14003774	Gmdrm	hypo	CHH	-0.0512
Gm08	14009834	14010419	Gmdrm	hypo	CHH	-0.0548

Gm08	14010867	14011851	Gmdrm	hypo	CHH	-0.0142
Gm08	14024043	14025038	Gmdrm	hypo	CHH	-0.1276
Gm08	14025044	14026032	Gmdrm	hypo	CHH	-0.0154
Gm08	14028035	14029030	Gmdrm	hypo	CHH	-0.0477
Gm08	14029058	14029957	Gmdrm	hypo	CHH	-0.062
Gm08	14037328	14038325	Gmdrm	hypo	CHH	-0.0167
Gm08	14039367	14040339	Gmdrm	hypo	CHH	-0.0168
Gm08	14041382	14042355	Gmdrm	hypo	CHH	-0.1128
Gm08	14046070	14046813	Gmdrm	hypo	CHH	-0.0352
Gm08	14047053	14048043	Gmdrm	hypo	CHH	-0.1336
Gm08	14053999	14054999	Gmdrm	hypo	CHH	-0.3061
Gm08	14071223	14072190	Gmdrm	hypo	CHH	-0.0165
Gm08	14073246	14073902	Gmdrm	hypo	CHH	-0.0318
Gm08	14074975	14075971	Gmdrm	hypo	CHH	-0.0748
Gm08	14075978	14076977	Gmdrm	hypo	CHH	-0.0532
Gm08	14084282	14085252	Gmdrm	hypo	CHH	-0.052
Gm08	14085297	14086293	Gmdrm	hypo	CHH	-0.0308
Gm08	14103031	14104018	Gmdrm	hypo	CHH	-0.0827
Gm08	14107107	14108097	Gmdrm	hypo	CHH	-0.1022
Gm08	14115365	14116357	Gmdrm	hypo	CHH	-0.1933
Gm08	14116371	14116916	Gmdrm	hypo	CHH	-0.0557
Gm08	14128495	14129482	Gmdrm	hypo	CHH	-0.0319
Gm08	14129496	14130486	Gmdrm	hypo	CHH	-0.0508
Gm08	14130497	14131494	Gmdrm	hypo	CHH	-0.0721
Gm08	14133949	14134054	Gmdrm	hypo	CHH	-0.1151
Gm08	14155186	14156146	Gmdrm	hypo	CHH	-0.0182
Gm08	14156190	14157187	Gmdrm	hypo	CHH	-0.014
Gm08	14157195	14158149	Gmdrm	hypo	CHH	-0.0212
Gm08	14159562	14160559	Gmdrm	hypo	CHH	-0.1938
Gm08	14160571	14161544	Gmdrm	hypo	CHH	-0.2136
Gm08	14162589	14163252	Gmdrm	hypo	CHH	-0.1225
Gm08	14173984	14174984	Gmdrm	hypo	CHH	-0.014
Gm08	14183167	14183401	Gmdrm	hypo	CHH	-0.0486
Gm08	14184142	14184250	Gmdrm	hypo	CHH	-0.1273
Gm08	14188762	14189759	Gmdrm	hypo	CHH	-0.0263
Gm08	14189769	14190767	Gmdrm	hypo	CHH	-0.0786
Gm08	14191794	14192793	Gmdrm	hypo	CHH	-0.1283
Gm08	14194816	14195794	Gmdrm	hypo	CHH	-0.0149
Gm08	14200253	14201247	Gmdrm	hypo	CHH	-0.0486
Gm08	14203289	14204280	Gmdrm	hypo	CHH	-0.0628
Gm08	14204299	14205287	Gmdrm	hypo	CHH	-0.0482
Gm08	14211397	14212362	Gmdrm	hypo	CHH	-0.0215
Gm08	14244436	14244647	Gmdrm	hypo	CHH	-0.042
Gm08	14248138	14249138	Gmdrm	hypo	CHH	-0.1199
Gm08	14249139	14250117	Gmdrm	hypo	CHH	-0.0782
Gm08	14254457	14255449	Gmdrm	hypo	CHH	-0.0253

Gm08	14255649	14256642	Gmdrm	hypo	CHH	-0.0923
Gm08	14256651	14257649	Gmdrm	hypo	CHH	-0.0999
Gm08	14257653	14258629	Gmdrm	hypo	CHH	-0.0568
Gm08	14259670	14260651	Gmdrm	hypo	CHH	-0.0148
Gm08	14263231	14264195	Gmdrm	hypo	CHH	-0.0139
Gm08	14269515	14269942	Gmdrm	hypo	CHH	-0.0325
Gm08	14280498	14281496	Gmdrm	hypo	CHH	-0.0929
Gm08	14284362	14285353	Gmdrm	hypo	CHH	-0.0659
Gm08	14285363	14286362	Gmdrm	hypo	CHH	-0.0408
Gm08	14289544	14290542	Gmdrm	hypo	CHH	-0.014
Gm08	14300515	14301491	Gmdrm	hypo	CHH	-0.2454
Gm08	14313883	14314883	Gmdrm	hypo	CHH	-0.0299
Gm08	14316646	14317639	Gmdrm	hypo	CHH	-0.0336
Gm08	14325319	14326317	Gmdrm	hypo	CHH	-0.0261
Gm08	14327352	14328348	Gmdrm	hypo	CHH	-0.1286
Gm08	14345619	14346606	Gmdrm	hypo	CHH	-0.0124
Gm08	14356328	14357326	Gmdrm	hypo	CHH	-0.3222
Gm08	14366862	14367831	Gmdrm	hypo	CHH	-0.0322
Gm08	14367870	14368847	Gmdrm	hypo	CHH	-0.0942
Gm08	14369880	14370876	Gmdrm	hypo	CHH	-0.0626
Gm08	14370903	14371467	Gmdrm	hypo	CHH	-0.0395
Gm08	14372254	14373066	Gmdrm	hypo	CHH	-0.0255
Gm08	14387315	14388313	Gmdrm	hypo	CHH	-0.0585
Gm08	14388316	14389128	Gmdrm	hypo	CHH	-0.0301
Gm08	14401997	14402997	Gmdrm	hypo	CHH	-0.0131
Gm08	14409240	14410230	Gmdrm	hypo	CHH	-0.0319
Gm08	14410241	14411239	Gmdrm	hypo	CHH	-0.0474
Gm08	14413499	14414497	Gmdrm	hypo	CHH	-0.1972
Gm08	14414673	14415661	Gmdrm	hypo	CHH	-0.0911
Gm08	14430580	14431578	Gmdrm	hypo	CHH	-0.1408
Gm08	14450411	14450968	Gmdrm	hypo	CHH	-0.0262
Gm08	14453782	14454780	Gmdrm	hypo	CHH	-0.0418
Gm08	14478437	14479154	Gmdrm	hypo	CHH	-0.0256
Gm08	14481139	14482137	Gmdrm	hypo	CHH	-0.0496
Gm08	14482140	14483140	Gmdrm	hypo	CHH	-0.0685
Gm08	14484146	14485143	Gmdrm	hypo	CHH	-0.1352
Gm08	14488475	14489460	Gmdrm	hypo	CHH	-0.02
Gm08	14496738	14497725	Gmdrm	hypo	CHH	-0.0412
Gm08	14506656	14507629	Gmdrm	hypo	CHH	-0.0172
Gm08	14510359	14511323	Gmdrm	hypo	CHH	-0.0514
Gm08	14511370	14512370	Gmdrm	hypo	CHH	-0.0238
Gm08	14512401	14513042	Gmdrm	hypo	CHH	-0.0626
Gm08	14513343	14514329	Gmdrm	hypo	CHH	-0.0591
Gm08	14514344	14515326	Gmdrm	hypo	CHH	-0.0304
Gm08	14515358	14516340	Gmdrm	hypo	CHH	-0.0577
Gm08	14522530	14523498	Gmdrm	hypo	CHH	-0.1684

Gm08	14531613	14532587	Gmdrm	hypo	CHH	-0.0126
Gm08	14536446	14537414	Gmdrm	hypo	CHH	-0.0325
Gm08	14538575	14539567	Gmdrm	hypo	CHH	-0.0302
Gm08	14543737	14544726	Gmdrm	hypo	CHH	-0.0206
Gm08	14559284	14560277	Gmdrm	hypo	CHH	-0.2163
Gm08	14560285	14560694	Gmdrm	hypo	CHH	-0.3606
Gm08	14561833	14562821	Gmdrm	hypo	CHH	-0.028
Gm08	14566487	14567442	Gmdrm	hypo	CHH	-0.032
Gm08	14573600	14574581	Gmdrm	hypo	CHH	-0.0167
Gm08	14582534	14583500	Gmdrm	hypo	CHH	-0.1933
Gm08	14583897	14584887	Gmdrm	hypo	CHH	-0.1153
Gm08	14584899	14585896	Gmdrm	hypo	CHH	-0.1017
Gm08	14590612	14591609	Gmdrm	hypo	CHH	-0.0392
Gm08	14591616	14592614	Gmdrm	hypo	CHH	-0.0883
Gm08	14593650	14594643	Gmdrm	hypo	CHH	-0.1442
Gm08	14594652	14595581	Gmdrm	hypo	CHH	-0.0269
Gm08	14596709	14597693	Gmdrm	hypo	CHH	-0.0233
Gm08	14602843	14603835	Gmdrm	hypo	CHH	-0.0661
Gm08	14604863	14605770	Gmdrm	hypo	CHH	-0.1296
Gm08	14607148	14608148	Gmdrm	hypo	CHH	-0.2231
Gm08	14608156	14608194	Gmdrm	hypo	CHH	-0.0257
Gm08	14608316	14609301	Gmdrm	hypo	CHH	-0.0323
Gm08	14612353	14612988	Gmdrm	hypo	CHH	-0.1038
Gm08	14613447	14614446	Gmdrm	hypo	CHH	-0.0326
Gm08	14614457	14615428	Gmdrm	hypo	CHH	-0.1083
Gm08	14616474	14617449	Gmdrm	hypo	CHH	-0.0178
Gm08	14623314	14623869	Gmdrm	hypo	CHH	-0.0286
Gm08	14644899	14645099	Gmdrm	hypo	CHH	-0.0271
Gm08	14647196	14647853	Gmdrm	hypo	CHH	-0.0432
Gm08	14647989	14648977	Gmdrm	hypo	CHH	-0.0209
Gm08	14669365	14670361	Gmdrm	hypo	CHH	-0.05
Gm08	14672487	14672675	Gmdrm	hypo	CHH	-0.0958
Gm08	14689371	14690371	Gmdrm	hypo	CHH	-0.0417
Gm08	14692385	14693385	Gmdrm	hypo	CHH	-0.0635
Gm08	14693387	14694370	Gmdrm	hypo	CHH	-0.0739
Gm08	14699185	14700178	Gmdrm	hypo	CHH	-0.1263
Gm08	14700187	14701182	Gmdrm	hypo	CHH	-0.1089
Gm08	14701883	14702881	Gmdrm	hypo	CHH	-0.0215
Gm08	14713393	14714392	Gmdrm	hypo	CHH	-0.0243
Gm08	14714407	14714578	Gmdrm	hypo	CHH	-0.0766
Gm08	14714912	14715907	Gmdrm	hypo	CHH	-0.0193
Gm08	14716933	14717930	Gmdrm	hypo	CHH	-0.0166
Gm08	14717934	14718917	Gmdrm	hypo	CHH	-0.1107
Gm08	14723091	14724042	Gmdrm	hypo	CHH	-0.089
Gm08	14733054	14734054	Gmdrm	hypo	CHH	-0.0101
Gm08	14738670	14738770	Gmdrm	hypo	CHH	-0.032

Gm08	14745666	14746643	Gmdrm	hypo	CHH	-0.0419
Gm08	14748187	14749165	Gmdrm	hypo	CHH	-0.0376
Gm08	14766345	14767345	Gmdrm	hypo	CHH	-0.1378
Gm08	14769370	14770349	Gmdrm	hypo	CHH	-0.0281
Gm08	14775034	14775665	Gmdrm	hypo	CHH	-0.025
Gm08	14783696	14784696	Gmdrm	hypo	CHH	-0.0281
Gm08	14784697	14785235	Gmdrm	hypo	CHH	-0.0257
Gm08	14790027	14790182	Gmdrm	hypo	CHH	-0.096
Gm08	14792398	14793369	Gmdrm	hypo	CHH	-0.0253
Gm08	14795420	14796400	Gmdrm	hypo	CHH	-0.0126
Gm08	14804475	14805171	Gmdrm	hypo	CHH	-0.0217
Gm08	14823373	14824356	Gmdrm	hypo	CHH	-0.0175
Gm08	14826104	14827100	Gmdrm	hypo	CHH	-0.0101
Gm08	14831027	14832004	Gmdrm	hypo	CHH	-0.0241
Gm08	14838393	14839392	Gmdrm	hypo	CHH	-0.0157
Gm08	14842626	14843275	Gmdrm	hypo	CHH	-0.0365
Gm08	14855546	14856490	Gmdrm	hypo	CHH	-0.0364
Gm08	14856568	14857558	Gmdrm	hypo	CHH	-0.0263
Gm08	14869858	14870858	Gmdrm	hypo	CHH	-0.0183
Gm08	14870863	14871854	Gmdrm	hypo	CHH	-0.0424
Gm08	14871967	14872961	Gmdrm	hypo	CHH	-0.0187
Gm08	14875049	14876049	Gmdrm	hypo	CHH	-0.018
Gm08	14879520	14880516	Gmdrm	hypo	CHH	-0.0237
Gm08	14880534	14881529	Gmdrm	hypo	CHH	-0.06
Gm08	14881544	14882532	Gmdrm	hypo	CHH	-0.0251
Gm08	14883599	14884598	Gmdrm	hypo	CHH	-0.0225
Gm08	14884613	14885510	Gmdrm	hypo	CHH	-0.0186
Gm08	14893639	14893957	Gmdrm	hypo	CHH	-0.0219
Gm08	14904738	14905188	Gmdrm	hypo	CHH	-0.0306
Gm08	14911814	14912812	Gmdrm	hypo	CHH	-0.1761
Gm08	14912815	14913807	Gmdrm	hypo	CHH	-0.1029
Gm08	14920327	14921312	Gmdrm	hypo	CHH	-0.0289
Gm08	14938302	14938512	Gmdrm	hypo	CHH	-0.05
Gm08	14940865	14941838	Gmdrm	hypo	CHH	-0.0157
Gm08	14947355	14948347	Gmdrm	hypo	CHH	-0.0247
Gm08	14951544	14952528	Gmdrm	hypo	CHH	-0.0133
Gm08	14955275	14956271	Gmdrm	hypo	CHH	-0.0455
Gm08	14957284	14958150	Gmdrm	hypo	CHH	-0.0188
Gm08	14960264	14960887	Gmdrm	hypo	CHH	-0.0336
Gm08	14976526	14976886	Gmdrm	hypo	CHH	-0.2634
Gm08	14983037	14984036	Gmdrm	hypo	CHH	-0.0761
Gm08	14984043	14985034	Gmdrm	hypo	CHH	-0.1716
Gm08	14985054	14985971	Gmdrm	hypo	CHH	-0.03
Gm08	14998486	14999484	Gmdrm	hypo	CHH	-0.0467
Gm08	15001799	15002783	Gmdrm	hypo	CHH	-0.0591
Gm08	15003820	15004814	Gmdrm	hypo	CHH	-0.0158

Gm08	15006741	15007723	Gmdrm	hypo	CHH	-0.0244
Gm08	15008780	15009777	Gmdrm	hypo	CHH	-0.0233
Gm08	15013923	15014911	Gmdrm	hypo	CHH	-0.0274
Gm08	15027373	15027683	Gmdrm	hypo	CHH	-0.0864
Gm08	15050923	15051903	Gmdrm	hypo	CHH	-0.0554
Gm08	15055062	15056057	Gmdrm	hypo	CHH	-0.0221
Gm08	15057599	15058592	Gmdrm	hypo	CHH	-0.0508
Gm08	15070605	15071591	Gmdrm	hypo	CHH	-0.016
Gm08	15081782	15082779	Gmdrm	hypo	CHH	-0.0988
Gm08	15082784	15083784	Gmdrm	hypo	CHH	-0.1067
Gm08	15083796	15084785	Gmdrm	hypo	CHH	-0.0619
Gm08	15089030	15090020	Gmdrm	hypo	CHH	-0.0157
Gm08	15092034	15092561	Gmdrm	hypo	CHH	-0.2597
Gm08	15096685	15097648	Gmdrm	hypo	CHH	-0.0112
Gm08	15115297	15116065	Gmdrm	hypo	CHH	-0.0189
Gm08	15127727	15128636	Gmdrm	hypo	CHH	-0.0261
Gm08	15137840	15138671	Gmdrm	hypo	CHH	-0.0169
Gm08	15145538	15146172	Gmdrm	hypo	CHH	-0.0297
Gm08	15148764	15149757	Gmdrm	hypo	CHH	-0.0742
Gm08	15149772	15150741	Gmdrm	hypo	CHH	-0.0256
Gm08	15150805	15151762	Gmdrm	hypo	CHH	-0.0201
Gm08	15152857	15153312	Gmdrm	hypo	CHH	-0.0756
Gm08	15153562	15154008	Gmdrm	hypo	CHH	-0.04
Gm08	15161934	15162893	Gmdrm	hypo	CHH	-0.2559
Gm08	15167403	15168011	Gmdrm	hypo	CHH	-0.029
Gm08	15170162	15171120	Gmdrm	hypo	CHH	-0.0181
Gm08	15177661	15178644	Gmdrm	hypo	CHH	-0.0581
Gm08	15178708	15179707	Gmdrm	hypo	CHH	-0.2737
Gm08	15182764	15183740	Gmdrm	hypo	CHH	-0.0258
Gm08	15189494	15189747	Gmdrm	hypo	CHH	-0.0372
Gm08	15194360	15194553	Gmdrm	hypo	CHH	-0.0917
Gm08	15195839	15196838	Gmdrm	hypo	CHH	-0.0181
Gm08	15215344	15216320	Gmdrm	hypo	CHH	-0.05
Gm08	15218700	15219695	Gmdrm	hypo	CHH	-0.0257
Gm08	15220748	15221743	Gmdrm	hypo	CHH	-0.0653
Gm08	15226859	15227313	Gmdrm	hypo	CHH	-0.0483
Gm08	15230614	15231609	Gmdrm	hypo	CHH	-0.0837
Gm08	15233491	15234484	Gmdrm	hypo	CHH	-0.057
Gm08	15234502	15235471	Gmdrm	hypo	CHH	-0.0612
Gm08	15242873	15243871	Gmdrm	hypo	CHH	-0.0255
Gm08	15256432	15257404	Gmdrm	hypo	CHH	-0.0252
Gm08	15264589	15265575	Gmdrm	hypo	CHH	-0.0522
Gm08	15265628	15266607	Gmdrm	hypo	CHH	-0.0422
Gm08	15274516	15275509	Gmdrm	hypo	CHH	-0.1027
Gm08	15290831	15291830	Gmdrm	hypo	CHH	-0.0181
Gm08	15295126	15296095	Gmdrm	hypo	CHH	-0.0142

Gm08	15296150	15296351	Gmdrm	hypo	CHH	-0.018
Gm08	15297855	15298854	Gmdrm	hypo	CHH	-0.0433
Gm08	15298862	15299593	Gmdrm	hypo	CHH	-0.1315
Gm08	15300752	15301744	Gmdrm	hypo	CHH	-0.0503
Gm08	15306252	15307243	Gmdrm	hypo	CHH	-0.0667
Gm08	15310375	15311364	Gmdrm	hypo	CHH	-0.042
Gm08	15311390	15312373	Gmdrm	hypo	CHH	-0.045
Gm08	15313395	15314372	Gmdrm	hypo	CHH	-0.0641
Gm08	15315360	15316355	Gmdrm	hypo	CHH	-0.0151
Gm08	15322418	15323403	Gmdrm	hypo	CHH	-0.0562
Gm08	15323427	15324420	Gmdrm	hypo	CHH	-0.0238
Gm08	15328574	15329568	Gmdrm	hypo	CHH	-0.0275
Gm08	15337994	15338959	Gmdrm	hypo	CHH	-0.0173
Gm08	15341049	15341226	Gmdrm	hypo	CHH	-0.0225
Gm08	15347364	15348362	Gmdrm	hypo	CHH	-0.0677
Gm08	15348367	15349310	Gmdrm	hypo	CHH	-0.0434
Gm08	15364892	15365740	Gmdrm	hypo	CHH	-0.0521
Gm08	15367583	15368568	Gmdrm	hypo	CHH	-0.1501
Gm08	15376788	15377751	Gmdrm	hypo	CHH	-0.0174
Gm08	15385368	15386368	Gmdrm	hypo	CHH	-0.0431
Gm08	15386374	15387365	Gmdrm	hypo	CHH	-0.0481
Gm08	15389397	15390392	Gmdrm	hypo	CHH	-0.053
Gm08	15390581	15391569	Gmdrm	hypo	CHH	-0.0736
Gm08	15391586	15392298	Gmdrm	hypo	CHH	-0.1016
Gm08	15392612	15393608	Gmdrm	hypo	CHH	-0.0796
Gm08	15426786	15427783	Gmdrm	hypo	CHH	-0.1265
Gm08	15430827	15431821	Gmdrm	hypo	CHH	-0.0243
Gm08	15432227	15433218	Gmdrm	hypo	CHH	-0.1789
Gm08	15433232	15434229	Gmdrm	hypo	CHH	-0.208
Gm08	15436268	15437266	Gmdrm	hypo	CHH	-0.0364
Gm08	15437271	15438236	Gmdrm	hypo	CHH	-0.0292
Gm08	15439348	15440345	Gmdrm	hypo	CHH	-0.0557
Gm08	15448511	15449493	Gmdrm	hypo	CHH	-0.0981
Gm08	15453611	15454582	Gmdrm	hypo	CHH	-0.0103
Gm08	15455433	15456414	Gmdrm	hypo	CHH	-0.026
Gm08	15461951	15462950	Gmdrm	hypo	CHH	-0.0571
Gm08	15463954	15464954	Gmdrm	hypo	CHH	-0.0592
Gm08	15464964	15465953	Gmdrm	hypo	CHH	-0.031
Gm08	15465973	15466358	Gmdrm	hypo	CHH	-0.1073
Gm08	15468958	15469945	Gmdrm	hypo	CHH	-0.1622
Gm08	15469963	15470951	Gmdrm	hypo	CHH	-0.0254
Gm08	15471992	15472990	Gmdrm	hypo	CHH	-0.0709
Gm08	15472995	15473945	Gmdrm	hypo	CHH	-0.0555
Gm08	15476066	15476810	Gmdrm	hypo	CHH	-0.0127
Gm08	15484773	15485769	Gmdrm	hypo	CHH	-0.0121
Gm08	15487796	15488790	Gmdrm	hypo	CHH	-0.0467

Gm08	15488805	15489048 Gmdrm	hypo	CHH	-0.0777
Gm08	15491245	15491872 Gmdrm	hypo	CHH	-0.0773
Gm08	15497380	15498349 Gmdrm	hypo	CHH	-0.0196
Gm08	15499481	15500476 Gmdrm	hypo	CHH	-0.0606
Gm08	15506523	15507511 Gmdrm	hypo	CHH	-0.0514
Gm08	15515219	15516219 Gmdrm	hypo	CHH	-0.2581
Gm08	15519920	15520898 Gmdrm	hypo	CHH	-0.0653
Gm08	15536265	15536910 Gmdrm	hypo	CHH	-0.0251
Gm08	15548228	15549206 Gmdrm	hypo	CHH	-0.1004
Gm08	15549231	15550224 Gmdrm	hypo	CHH	-0.1557
Gm08	15561600	15562416 Gmdrm	hypo	CHH	-0.0203
Gm08	15562544	15563544 Gmdrm	hypo	CHH	-0.0199
Gm08	15563552	15564544 Gmdrm	hypo	CHH	-0.1421
Gm08	15573441	15573597 Gmdrm	hypo	CHH	-0.0578
Gm08	15591949	15592948 Gmdrm	hypo	CHH	-0.0188
Gm08	15597462	15598446 Gmdrm	hypo	CHH	-0.0185
Gm08	15600498	15601496 Gmdrm	hypo	CHH	-0.0544
Gm08	15603550	15604544 Gmdrm	hypo	CHH	-0.0186
Gm08	15604555	15605553 Gmdrm	hypo	CHH	-0.1143
Gm08	15605592	15606592 Gmdrm	hypo	CHH	-0.1414
Gm08	15624070	15625023 Gmdrm	hypo	CHH	-0.0189
Gm08	15628359	15628609 Gmdrm	hypo	CHH	-0.095
Gm08	15643589	15644569 Gmdrm	hypo	CHH	-0.2012
Gm08	15645212	15645969 Gmdrm	hypo	CHH	-0.1963
Gm08	15648666	15648787 Gmdrm	hypo	CHH	-0.1136
Gm08	15650189	15651160 Gmdrm	hypo	CHH	-0.0202
Gm08	15672808	15673808 Gmdrm	hypo	CHH	-0.0534
Gm08	15673811	15674345 Gmdrm	hypo	CHH	-0.0598
Gm08	15674640	15675613 Gmdrm	hypo	CHH	-0.0625
Gm08	15678673	15679661 Gmdrm	hypo	CHH	-0.2132
Gm08	15681685	15682666 Gmdrm	hypo	CHH	-0.0141
Gm08	15682719	15683719 Gmdrm	hypo	CHH	-0.1441
Gm08	15683784	15684784 Gmdrm	hypo	CHH	-0.0404
Gm08	15684786	15685781 Gmdrm	hypo	CHH	-0.1632
Gm08	15687540	15688532 Gmdrm	hypo	CHH	-0.0738
Gm08	15688546	15689341 Gmdrm	hypo	CHH	-0.0456
Gm08	15691370	15691531 Gmdrm	hypo	CHH	-0.0725
Gm08	15695649	15696639 Gmdrm	hypo	CHH	-0.1635
Gm08	15697830	15698818 Gmdrm	hypo	CHH	-0.0207
Gm08	15701769	15702765 Gmdrm	hypo	CHH	-0.2523
Gm08	15705827	15706821 Gmdrm	hypo	CHH	-0.0154
Gm08	15714148	15715145 Gmdrm	hypo	CHH	-0.0601
Gm08	15715150	15716138 Gmdrm	hypo	CHH	-0.0851
Gm08	15716166	15717139 Gmdrm	hypo	CHH	-0.1508
Gm08	15718189	15719171 Gmdrm	hypo	CHH	-0.0388
Gm08	15726755	15726812 Gmdrm	hypo	CHH	-0.1814

Gm08	15735107	15736104	Gmdrm	hypo	CHH	-0.03
Gm08	15744262	15744783	Gmdrm	hypo	CHH	-0.0259
Gm08	15747919	15748903	Gmdrm	hypo	CHH	-0.0224
Gm08	15750690	15751678	Gmdrm	hypo	CHH	-0.0106
Gm08	15757904	15758897	Gmdrm	hypo	CHH	-0.0503
Gm08	15761682	15762628	Gmdrm	hypo	CHH	-0.2829
Gm08	15765272	15766271	Gmdrm	hypo	CHH	-0.0581
Gm08	15771728	15772454	Gmdrm	hypo	CHH	-0.0283
Gm08	15772574	15773372	Gmdrm	hypo	CHH	-0.0352
Gm08	15773776	15774774	Gmdrm	hypo	CHH	-0.1108
Gm08	15791016	15791927	Gmdrm	hypo	CHH	-0.0566
Gm08	15806569	15807385	Gmdrm	hypo	CHH	-0.0238
Gm08	15813894	15814882	Gmdrm	hypo	CHH	-0.0179
Gm08	15821240	15822237	Gmdrm	hypo	CHH	-0.0166
Gm08	15823948	15824942	Gmdrm	hypo	CHH	-0.1152
Gm08	15840463	15841460	Gmdrm	hypo	CHH	-0.1016
Gm08	15849679	15850675	Gmdrm	hypo	CHH	-0.1417
Gm08	15858450	15859446	Gmdrm	hypo	CHH	-0.0612
Gm08	15859455	15860455	Gmdrm	hypo	CHH	-0.0802
Gm08	15861940	15862921	Gmdrm	hypo	CHH	-0.0206
Gm08	15863457	15863470	Gmdrm	hypo	CHH	-0.2387
Gm08	15863576	15864562	Gmdrm	hypo	CHH	-0.0335
Gm08	15869488	15870486	Gmdrm	hypo	CHH	-0.013
Gm08	15876133	15877089	Gmdrm	hypo	CHH	-0.0256
Gm08	15887414	15888411	Gmdrm	hypo	CHH	-0.0185
Gm08	15896805	15897698	Gmdrm	hypo	CHH	-0.0214
Gm08	15908513	15909477	Gmdrm	hypo	CHH	-0.027
Gm08	15913624	15914622	Gmdrm	hypo	CHH	-0.0649
Gm08	15919644	15920643	Gmdrm	hypo	CHH	-0.0239
Gm08	15928317	15929293	Gmdrm	hypo	CHH	-0.1123
Gm08	15929390	15930388	Gmdrm	hypo	CHH	-0.0754
Gm08	15930394	15931393	Gmdrm	hypo	CHH	-0.0466
Gm08	15938594	15939585	Gmdrm	hypo	CHH	-0.0847
Gm08	15939595	15940000	Gmdrm	hypo	CHH	-0.1689
Gm08	15944545	15944707	Gmdrm	hypo	CHH	-0.074
Gm08	15944864	15945546	Gmdrm	hypo	CHH	-0.0627
Gm08	15961439	15962439	Gmdrm	hypo	CHH	-0.0597
Gm08	15962440	15963414	Gmdrm	hypo	CHH	-0.0491
Gm08	15965156	15966153	Gmdrm	hypo	CHH	-0.1295
Gm08	15970911	15971901	Gmdrm	hypo	CHH	-0.0193
Gm08	15975009	15976005	Gmdrm	hypo	CHH	-0.0166
Gm08	15986240	15987227	Gmdrm	hypo	CHH	-0.041
Gm08	15987265	15987578	Gmdrm	hypo	CHH	-0.0731
Gm08	15988133	15989105	Gmdrm	hypo	CHH	-0.0617
Gm08	15993309	15994302	Gmdrm	hypo	CHH	-0.0353
Gm08	16007421	16008415	Gmdrm	hypo	CHH	-0.0441

Gm08	16014458	16014853	Gmdrm	hypo	CHH	-0.4045
Gm08	16017686	16018682	Gmdrm	hypo	CHH	-0.1206
Gm08	16023577	16024573	Gmdrm	hypo	CHH	-0.024
Gm08	16031953	16032951	Gmdrm	hypo	CHH	-0.0737
Gm08	16035384	16036372	Gmdrm	hypo	CHH	-0.0571
Gm08	16039000	16039720	Gmdrm	hypo	CHH	-0.1308
Gm08	16045107	16045846	Gmdrm	hypo	CHH	-0.0666
Gm08	16046272	16047271	Gmdrm	hypo	CHH	-0.0218
Gm08	16047274	16048269	Gmdrm	hypo	CHH	-0.0595
Gm08	16056832	16057824	Gmdrm	hypo	CHH	-0.0342
Gm08	16058839	16059838	Gmdrm	hypo	CHH	-0.0307
Gm08	16060899	16061891	Gmdrm	hypo	CHH	-0.0601
Gm08	16061900	16062896	Gmdrm	hypo	CHH	-0.1012
Gm08	16062939	16063279	Gmdrm	hypo	CHH	-0.085
Gm08	16079840	16080135	Gmdrm	hypo	CHH	-0.0866
Gm08	16082303	16083294	Gmdrm	hypo	CHH	-0.0342
Gm08	16097778	16098661	Gmdrm	hypo	CHH	-0.1475
Gm08	16101685	16102685	Gmdrm	hypo	CHH	-0.048
Gm08	16113302	16114300	Gmdrm	hypo	CHH	-0.0269
Gm08	16114313	16115024	Gmdrm	hypo	CHH	-0.0862
Gm08	16115561	16116212	Gmdrm	hypo	CHH	-0.0189
Gm08	16123536	16124534	Gmdrm	hypo	CHH	-0.0628
Gm08	16126745	16127703	Gmdrm	hypo	CHH	-0.0231
Gm08	16131123	16132123	Gmdrm	hypo	CHH	-0.1283
Gm08	16132139	16133127	Gmdrm	hypo	CHH	-0.0959
Gm08	16135148	16136116	Gmdrm	hypo	CHH	-0.025
Gm08	16155371	16156352	Gmdrm	hypo	CHH	-0.0612
Gm08	16156375	16157366	Gmdrm	hypo	CHH	-0.0324
Gm08	16157398	16158396	Gmdrm	hypo	CHH	-0.0314
Gm08	16158778	16159758	Gmdrm	hypo	CHH	-0.0293
Gm08	16165502	16165749	Gmdrm	hypo	CHH	-0.0813
Gm08	16172777	16173777	Gmdrm	hypo	CHH	-0.086
Gm08	16173780	16174779	Gmdrm	hypo	CHH	-0.0878
Gm08	16174803	16175785	Gmdrm	hypo	CHH	-0.1636
Gm08	16180620	16181613	Gmdrm	hypo	CHH	-0.0231
Gm08	16182683	16182783	Gmdrm	hypo	CHH	-0.03
Gm08	16186655	16187653	Gmdrm	hypo	CHH	-0.0167
Gm08	16188682	16189675	Gmdrm	hypo	CHH	-0.0127
Gm08	16198548	16199537	Gmdrm	hypo	CHH	-0.0228
Gm08	16206008	16207007	Gmdrm	hypo	CHH	-0.0134
Gm08	16209496	16210488	Gmdrm	hypo	CHH	-0.0191
Gm08	16217638	16218279	Gmdrm	hypo	CHH	-0.0228
Gm08	16218425	16219391	Gmdrm	hypo	CHH	-0.0191
Gm08	16219431	16220368	Gmdrm	hypo	CHH	-0.0148
Gm08	16224651	16225615	Gmdrm	hypo	CHH	-0.1289
Gm08	16225677	16226611	Gmdrm	hypo	CHH	-0.0186

Gm08	16237055	16238023	Gmdrm	hypo	CHH	-0.0102
Gm08	16239068	16240067	Gmdrm	hypo	CHH	-0.016
Gm08	16241347	16241537	Gmdrm	hypo	CHH	-0.062
Gm08	16251930	16252004	Gmdrm	hypo	CHH	-0.3513
Gm08	16253545	16254541	Gmdrm	hypo	CHH	-0.1801
Gm08	16254548	16255530	Gmdrm	hypo	CHH	-0.0163
Gm08	16255555	16256521	Gmdrm	hypo	CHH	-0.3229
Gm08	16256563	16257559	Gmdrm	hypo	CHH	-0.0057
Gm08	16270092	16271054	Gmdrm	hypo	CHH	-0.0242
Gm08	16271191	16272186	Gmdrm	hypo	CHH	-0.0388
Gm08	16285223	16286223	Gmdrm	hypo	CHH	-0.027
Gm08	16286224	16287224	Gmdrm	hypo	CHH	-0.0276
Gm08	16287232	16287782	Gmdrm	hypo	CHH	-0.0111
Gm08	16289903	16290879	Gmdrm	hypo	CHH	-0.019
Gm08	16301508	16302490	Gmdrm	hypo	CHH	-0.0232
Gm08	16312371	16313369	Gmdrm	hypo	CHH	-0.1646
Gm08	16313373	16314365	Gmdrm	hypo	CHH	-0.1064
Gm08	16322930	16323929	Gmdrm	hypo	CHH	-0.0162
Gm08	16337842	16338835	Gmdrm	hypo	CHH	-0.0548
Gm08	16343246	16343963	Gmdrm	hypo	CHH	-0.0169
Gm08	16344176	16345175	Gmdrm	hypo	CHH	-0.0191
Gm08	16347802	16348797	Gmdrm	hypo	CHH	-0.1483
Gm08	16355951	16356949	Gmdrm	hypo	CHH	-0.0168
Gm08	16359861	16360861	Gmdrm	hypo	CHH	-0.0213
Gm08	16364651	16365651	Gmdrm	hypo	CHH	-0.1194
Gm08	16365654	16366646	Gmdrm	hypo	CHH	-0.0483
Gm08	16378213	16379212	Gmdrm	hypo	CHH	-0.034
Gm08	16384291	16385291	Gmdrm	hypo	CHH	-0.0341
Gm08	16389976	16390975	Gmdrm	hypo	CHH	-0.1039
Gm08	16390978	16391954	Gmdrm	hypo	CHH	-0.0227
Gm08	16394227	16395214	Gmdrm	hypo	CHH	-0.0169
Gm08	16397212	16398212	Gmdrm	hypo	CHH	-0.0194
Gm08	16398218	16399215	Gmdrm	hypo	CHH	-0.0304
Gm08	16401223	16402220	Gmdrm	hypo	CHH	-0.0562
Gm08	16415075	16416044	Gmdrm	hypo	CHH	-0.0125
Gm08	16422586	16423581	Gmdrm	hypo	CHH	-0.0329
Gm08	16423591	16424586	Gmdrm	hypo	CHH	-0.025
Gm08	16445182	16446181	Gmdrm	hypo	CHH	-0.0251
Gm08	16450208	16451193	Gmdrm	hypo	CHH	-0.0187
Gm08	16452247	16453225	Gmdrm	hypo	CHH	-0.0295
Gm08	16457278	16458262	Gmdrm	hypo	CHH	-0.0244
Gm08	16460346	16461333	Gmdrm	hypo	CHH	-0.017
Gm08	16461347	16462091	Gmdrm	hypo	CHH	-0.0579
Gm08	16468182	16469146	Gmdrm	hypo	CHH	-0.0126
Gm08	16469721	16470499	Gmdrm	hypo	CHH	-0.0419
Gm08	16489280	16490258	Gmdrm	hypo	CHH	-0.0905

Gm08	16506755	16507753	Gmdrm	hypo	CHH	-0.0627
Gm08	16507760	16508745	Gmdrm	hypo	CHH	-0.0507
Gm08	16509947	16510947	Gmdrm	hypo	CHH	-0.1573
Gm08	16510950	16511938	Gmdrm	hypo	CHH	-0.0845
Gm08	16512964	16513934	Gmdrm	hypo	CHH	-0.0425
Gm08	16513965	16514922	Gmdrm	hypo	CHH	-0.0527
Gm08	16532195	16533194	Gmdrm	hypo	CHH	-0.1348
Gm08	16533198	16534188	Gmdrm	hypo	CHH	-0.1466
Gm08	16552964	16553960	Gmdrm	hypo	CHH	-0.0257
Gm08	16554985	16555803	Gmdrm	hypo	CHH	-0.0606
Gm08	16570932	16571928	Gmdrm	hypo	CHH	-0.0274
Gm08	16582595	16583584	Gmdrm	hypo	CHH	-0.0606
Gm08	16583600	16583897	Gmdrm	hypo	CHH	-0.0315
Gm08	16587641	16588640	Gmdrm	hypo	CHH	-0.0122
Gm08	16593361	16594355	Gmdrm	hypo	CHH	-0.1355
Gm08	16605106	16606103	Gmdrm	hypo	CHH	-0.0262
Gm08	16606110	16606219	Gmdrm	hypo	CHH	-0.1145
Gm08	16611614	16612068	Gmdrm	hypo	CHH	-0.0527
Gm08	16613179	16614149	Gmdrm	hypo	CHH	-0.0149
Gm08	16623343	16624338	Gmdrm	hypo	CHH	-0.0219
Gm08	16629210	16630206	Gmdrm	hypo	CHH	-0.0806
Gm08	16630229	16631207	Gmdrm	hypo	CHH	-0.1133
Gm08	16642051	16642459	Gmdrm	hypo	CHH	-0.1328
Gm08	16642602	16643289	Gmdrm	hypo	CHH	-0.0974
Gm08	16643408	16644408	Gmdrm	hypo	CHH	-0.0787
Gm08	16645441	16646264	Gmdrm	hypo	CHH	-0.0287
Gm08	16651616	16652411	Gmdrm	hypo	CHH	-0.0308
Gm08	16653536	16654519	Gmdrm	hypo	CHH	-0.1599
Gm08	16655538	16656515	Gmdrm	hypo	CHH	-0.0154
Gm08	16660608	16661608	Gmdrm	hypo	CHH	-0.123
Gm08	16661615	16662457	Gmdrm	hypo	CHH	-0.1156
Gm08	16664285	16665246	Gmdrm	hypo	CHH	-0.0119
Gm08	16681384	16682384	Gmdrm	hypo	CHH	-0.0723
Gm08	16686704	16687643	Gmdrm	hypo	CHH	-0.0581
Gm08	16699921	16700920	Gmdrm	hypo	CHH	-0.0325
Gm08	16700922	16701913	Gmdrm	hypo	CHH	-0.019
Gm08	16702385	16703385	Gmdrm	hypo	CHH	-0.0185
Gm08	16709497	16710495	Gmdrm	hypo	CHH	-0.0795
Gm08	16710499	16711446	Gmdrm	hypo	CHH	-0.1474
Gm08	16713074	16714033	Gmdrm	hypo	CHH	-0.0506
Gm08	16717877	16718813	Gmdrm	hypo	CHH	-0.0193
Gm08	16729566	16729864	Gmdrm	hypo	CHH	-0.06
Gm08	16735397	16736352	Gmdrm	hypo	CHH	-0.2043
Gm08	16739730	16740288	Gmdrm	hypo	CHH	-0.3734
Gm08	16740630	16741625	Gmdrm	hypo	CHH	-0.1258
Gm08	16741635	16742104	Gmdrm	hypo	CHH	-0.301

Gm08	16742206	16742412	Gmdrm	hypo	CHH	-0.0369
Gm08	16742630	16743444	Gmdrm	hypo	CHH	-0.0232
Gm08	16744432	16745432	Gmdrm	hypo	CHH	-0.053
Gm08	16747438	16748437	Gmdrm	hypo	CHH	-0.0823
Gm08	16748470	16749429	Gmdrm	hypo	CHH	-0.0197
Gm08	16749473	16749620	Gmdrm	hypo	CHH	-0.04
Gm08	16752758	16753739	Gmdrm	hypo	CHH	-0.0327
Gm08	16753761	16754751	Gmdrm	hypo	CHH	-0.2685
Gm08	16754763	16755664	Gmdrm	hypo	CHH	-0.1962
Gm08	16769014	16770006	Gmdrm	hypo	CHH	-0.0257
Gm08	16777275	16778274	Gmdrm	hypo	CHH	-0.0595
Gm08	16784393	16785385	Gmdrm	hypo	CHH	-0.0272
Gm08	16785396	16786391	Gmdrm	hypo	CHH	-0.0113
Gm08	16790247	16791233	Gmdrm	hypo	CHH	-0.0232
Gm08	16802271	16803257	Gmdrm	hypo	CHH	-0.0813
Gm08	16807312	16808268	Gmdrm	hypo	CHH	-0.0156
Gm08	16808330	16809325	Gmdrm	hypo	CHH	-0.0268
Gm08	16822206	16823201	Gmdrm	hypo	CHH	-0.0209
Gm08	16828928	16829589	Gmdrm	hypo	CHH	-0.0454
Gm08	16833621	16834575	Gmdrm	hypo	CHH	-0.0322
Gm08	16834633	16835632	Gmdrm	hypo	CHH	-0.3391
Gm08	16835975	16836718	Gmdrm	hypo	CHH	-0.0185
Gm08	16837902	16838572	Gmdrm	hypo	CHH	-0.0184
Gm08	16844392	16845390	Gmdrm	hypo	CHH	-0.0387
Gm08	16849159	16850155	Gmdrm	hypo	CHH	-0.0331
Gm08	16850199	16851145	Gmdrm	hypo	CHH	-0.0742
Gm08	16857746	16858744	Gmdrm	hypo	CHH	-0.0547
Gm08	16858748	16859662	Gmdrm	hypo	CHH	-0.056
Gm08	16860620	16861618	Gmdrm	hypo	CHH	-0.0195
Gm08	16863873	16864872	Gmdrm	hypo	CHH	-0.0758
Gm08	16881690	16882690	Gmdrm	hypo	CHH	-0.1534
Gm08	16882698	16883439	Gmdrm	hypo	CHH	-0.0963
Gm08	16889620	16889919	Gmdrm	hypo	CHH	-0.0281
Gm08	16896429	16897426	Gmdrm	hypo	CHH	-0.1226
Gm08	16897431	16898418	Gmdrm	hypo	CHH	-0.1546
Gm08	16900588	16901556	Gmdrm	hypo	CHH	-0.0271
Gm08	16904546	16904712	Gmdrm	hypo	CHH	-0.0293
Gm08	16913109	16914062	Gmdrm	hypo	CHH	-0.0135
Gm08	16917626	16918583	Gmdrm	hypo	CHH	-0.0187
Gm08	16918648	16919622	Gmdrm	hypo	CHH	-0.0253
Gm08	16919649	16920647	Gmdrm	hypo	CHH	-0.0481
Gm08	16920652	16921647	Gmdrm	hypo	CHH	-0.0597
Gm08	16923688	16924680	Gmdrm	hypo	CHH	-0.0524
Gm08	16924696	16925695	Gmdrm	hypo	CHH	-0.0443
Gm08	16925716	16926713	Gmdrm	hypo	CHH	-0.023
Gm08	16939551	16940551	Gmdrm	hypo	CHH	-0.0278

Gm08	16942568	16943062	Gmdrm	hypo	CHH	-0.0662
Gm08	16943195	16944179	Gmdrm	hypo	CHH	-0.0389
Gm08	16947506	16948494	Gmdrm	hypo	CHH	-0.0212
Gm08	16948512	16949021	Gmdrm	hypo	CHH	-0.0708
Gm08	16955873	16956846	Gmdrm	hypo	CHH	-0.012
Gm08	16960949	16961931	Gmdrm	hypo	CHH	-0.0208
Gm08	16961956	16962936	Gmdrm	hypo	CHH	-0.022
Gm08	16965660	16966653	Gmdrm	hypo	CHH	-0.0456
Gm08	16967668	16968665	Gmdrm	hypo	CHH	-0.0509
Gm08	16968689	16969063	Gmdrm	hypo	CHH	-0.0803
Gm08	16970866	16971837	Gmdrm	hypo	CHH	-0.0769
Gm08	16971879	16972864	Gmdrm	hypo	CHH	-0.0294
Gm08	16983017	16984003	Gmdrm	hypo	CHH	-0.1409
Gm08	16985864	16986857	Gmdrm	hypo	CHH	-0.0853
Gm08	16986868	16987849	Gmdrm	hypo	CHH	-0.3286
Gm08	16989319	16990102	Gmdrm	hypo	CHH	-0.0188
Gm08	16990252	16991246	Gmdrm	hypo	CHH	-0.0366
Gm08	16995338	16996143	Gmdrm	hypo	CHH	-0.03
Gm08	16998925	16999911	Gmdrm	hypo	CHH	-0.02
Gm08	17004258	17005256	Gmdrm	hypo	CHH	-0.303
Gm08	17005260	17006251	Gmdrm	hypo	CHH	-0.2179
Gm08	17008068	17009061	Gmdrm	hypo	CHH	-0.1149
Gm08	17009071	17009831	Gmdrm	hypo	CHH	-0.3062
Gm08	17015050	17015982	Gmdrm	hypo	CHH	-0.0368
Gm08	17017069	17018052	Gmdrm	hypo	CHH	-0.3936
Gm08	17018076	17019005	Gmdrm	hypo	CHH	-0.0188
Gm08	17026190	17027181	Gmdrm	hypo	CHH	-0.0652
Gm08	17029197	17030193	Gmdrm	hypo	CHH	-0.0489
Gm08	17030200	17030550	Gmdrm	hypo	CHH	-0.4008
Gm08	17034021	17034086	Gmdrm	hypo	CHH	-0.099
Gm08	17034223	17034649	Gmdrm	hypo	CHH	-0.1678
Gm08	17037297	17038296	Gmdrm	hypo	CHH	-0.0802
Gm08	17038299	17039295	Gmdrm	hypo	CHH	-0.1084
Gm08	17050815	17051768	Gmdrm	hypo	CHH	-0.0296
Gm08	17055273	17056272	Gmdrm	hypo	CHH	-0.0184
Gm08	17063766	17063834	Gmdrm	hypo	CHH	-0.2114
Gm08	17070849	17071330	Gmdrm	hypo	CHH	-0.0188
Gm08	17071510	17071787	Gmdrm	hypo	CHH	-0.053
Gm08	17075928	17076916	Gmdrm	hypo	CHH	-0.026
Gm08	17106840	17107839	Gmdrm	hypo	CHH	-0.0281
Gm08	17107903	17108901	Gmdrm	hypo	CHH	-0.0857
Gm08	17108907	17109897	Gmdrm	hypo	CHH	-0.0964
Gm08	17117342	17117610	Gmdrm	hypo	CHH	-0.0278
Gm08	17124435	17125435	Gmdrm	hypo	CHH	-0.0521
Gm08	17125443	17126441	Gmdrm	hypo	CHH	-0.1387
Gm08	17126463	17127399	Gmdrm	hypo	CHH	-0.0481

Gm08	17128588	17129585	Gmdrm	hypo	CHH	-0.0156
Gm08	17129591	17130590	Gmdrm	hypo	CHH	-0.0509
Gm08	17130594	17131114	Gmdrm	hypo	CHH	-0.0733
Gm08	17131218	17132213	Gmdrm	hypo	CHH	-0.0775
Gm08	17132219	17132681	Gmdrm	hypo	CHH	-0.0215
Gm08	17135723	17136689	Gmdrm	hypo	CHH	-0.0261
Gm08	17145655	17146655	Gmdrm	hypo	CHH	-0.1466
Gm08	17146661	17147654	Gmdrm	hypo	CHH	-0.1065
Gm08	17150928	17151623	Gmdrm	hypo	CHH	-0.0209
Gm08	17151765	17152763	Gmdrm	hypo	CHH	-0.2016
Gm08	17152785	17153776	Gmdrm	hypo	CHH	-0.1616
Gm08	17153787	17154470	Gmdrm	hypo	CHH	-0.0672
Gm08	17154735	17155706	Gmdrm	hypo	CHH	-0.0765
Gm08	17157847	17158843	Gmdrm	hypo	CHH	-0.0131
Gm08	17166539	17167528	Gmdrm	hypo	CHH	-0.014
Gm08	17168557	17169553	Gmdrm	hypo	CHH	-0.1064
Gm08	17169559	17170551	Gmdrm	hypo	CHH	-0.2706
Gm08	17175570	17176554	Gmdrm	hypo	CHH	-0.0368
Gm08	17187454	17188384	Gmdrm	hypo	CHH	-0.0177
Gm08	17211530	17212524	Gmdrm	hypo	CHH	-0.0877
Gm08	17212538	17213535	Gmdrm	hypo	CHH	-0.088
Gm08	17213572	17214572	Gmdrm	hypo	CHH	-0.0712
Gm08	17215185	17216178	Gmdrm	hypo	CHH	-0.0547
Gm08	17217137	17218116	Gmdrm	hypo	CHH	-0.0237
Gm08	17222073	17223029	Gmdrm	hypo	CHH	-0.013
Gm08	17223078	17223846	Gmdrm	hypo	CHH	-0.0305
Gm08	17228078	17228945	Gmdrm	hypo	CHH	-0.0855
Gm08	17229049	17229638	Gmdrm	hypo	CHH	-0.0374
Gm08	17243016	17243373	Gmdrm	hypo	CHH	-0.0316
Gm08	17260530	17260754	Gmdrm	hypo	CHH	-0.0372
Gm08	17266557	17267544	Gmdrm	hypo	CHH	-0.037
Gm08	17267578	17268574	Gmdrm	hypo	CHH	-0.0126
Gm08	17274412	17275409	Gmdrm	hypo	CHH	-0.0166
Gm08	17277140	17278135	Gmdrm	hypo	CHH	-0.0205
Gm08	17282340	17283266	Gmdrm	hypo	CHH	-0.0329
Gm08	17285724	17286719	Gmdrm	hypo	CHH	-0.2429
Gm08	17287742	17288726	Gmdrm	hypo	CHH	-0.0347
Gm08	17288745	17289743	Gmdrm	hypo	CHH	-0.0333
Gm08	17289750	17290733	Gmdrm	hypo	CHH	-0.0354
Gm08	17290766	17291764	Gmdrm	hypo	CHH	-0.0978
Gm08	17297080	17297533	Gmdrm	hypo	CHH	-0.2309
Gm08	17297819	17298411	Gmdrm	hypo	CHH	-0.2408
Gm08	17309026	17310017	Gmdrm	hypo	CHH	-0.0403
Gm08	17310030	17310185	Gmdrm	hypo	CHH	-0.1591
Gm08	17310322	17311266	Gmdrm	hypo	CHH	-0.0337
Gm08	17318576	17319574	Gmdrm	hypo	CHH	-0.0294

Gm08	17324001	17324997	Gmdrm	hypo	CHH	-0.023
Gm08	17325005	17325959	Gmdrm	hypo	CHH	-0.0388
Gm08	17336629	17337159	Gmdrm	hypo	CHH	-0.0287
Gm08	17338459	17339459	Gmdrm	hypo	CHH	-0.0241
Gm08	17339460	17340443	Gmdrm	hypo	CHH	-0.0288
Gm08	17345216	17346207	Gmdrm	hypo	CHH	-0.022
Gm08	17347795	17348213	Gmdrm	hypo	CHH	-0.0433
Gm08	17352123	17353118	Gmdrm	hypo	CHH	-0.0258
Gm08	17353130	17354110	Gmdrm	hypo	CHH	-0.0841
Gm08	17355467	17356465	Gmdrm	hypo	CHH	-0.041
Gm08	17358555	17359530	Gmdrm	hypo	CHH	-0.2916
Gm08	17360561	17361353	Gmdrm	hypo	CHH	-0.0318
Gm08	17367808	17368803	Gmdrm	hypo	CHH	-0.0122
Gm08	17373182	17373569	Gmdrm	hypo	CHH	-0.0467
Gm08	17373676	17374673	Gmdrm	hypo	CHH	-0.1319
Gm08	17374678	17375673	Gmdrm	hypo	CHH	-0.0695
Gm08	17383808	17384806	Gmdrm	hypo	CHH	-0.0759
Gm08	17384809	17385805	Gmdrm	hypo	CHH	-0.1148
Gm08	17390460	17391367	Gmdrm	hypo	CHH	-0.071
Gm08	17418434	17419427	Gmdrm	hypo	CHH	-0.0196
Gm08	17423125	17424121	Gmdrm	hypo	CHH	-0.0264
Gm08	17427004	17428000	Gmdrm	hypo	CHH	-0.0298
Gm08	17431913	17432900	Gmdrm	hypo	CHH	-0.1333
Gm08	17438982	17439931	Gmdrm	hypo	CHH	-0.154
Gm08	17440497	17441449	Gmdrm	hypo	CHH	-0.2695
Gm08	17442603	17443589	Gmdrm	hypo	CHH	-0.0258
Gm08	17447915	17448393	Gmdrm	hypo	CHH	-0.0338
Gm08	17448648	17449615	Gmdrm	hypo	CHH	-0.0125
Gm08	17450668	17451628	Gmdrm	hypo	CHH	-0.0093
Gm08	17451684	17452637	Gmdrm	hypo	CHH	-0.0194
Gm08	17453778	17454773	Gmdrm	hypo	CHH	-0.024
Gm08	17456823	17457821	Gmdrm	hypo	CHH	-0.0596
Gm08	17457824	17458820	Gmdrm	hypo	CHH	-0.0634
Gm08	17459837	17460828	Gmdrm	hypo	CHH	-0.1195
Gm08	17473692	17474671	Gmdrm	hypo	CHH	-0.0362
Gm08	17483369	17484361	Gmdrm	hypo	CHH	-0.0745
Gm08	17484387	17484770	Gmdrm	hypo	CHH	-0.1009
Gm08	17487581	17488581	Gmdrm	hypo	CHH	-0.0666
Gm08	17504002	17504742	Gmdrm	hypo	CHH	-0.0422
Gm08	17508766	17509762	Gmdrm	hypo	CHH	-0.0148
Gm08	17513147	17514144	Gmdrm	hypo	CHH	-0.2869
Gm08	17514151	17515044	Gmdrm	hypo	CHH	-0.2804
Gm08	17517509	17517902	Gmdrm	hypo	CHH	-0.0208
Gm08	17526166	17527156	Gmdrm	hypo	CHH	-0.2066
Gm08	17527169	17528157	Gmdrm	hypo	CHH	-0.0506
Gm08	17528181	17528633	Gmdrm	hypo	CHH	-0.1627

Gm08	17528746	17529744	Gmdrm	hypo	CHH	-0.0267
Gm08	17529798	17530796	Gmdrm	hypo	CHH	-0.0596
Gm08	17531801	17532794	Gmdrm	hypo	CHH	-0.0676
Gm08	17532811	17533791	Gmdrm	hypo	CHH	-0.162
Gm08	17545882	17546871	Gmdrm	hypo	CHH	-0.0664
Gm08	17546897	17547865	Gmdrm	hypo	CHH	-0.0116
Gm08	17553759	17554691	Gmdrm	hypo	CHH	-0.0434
Gm08	17560816	17561787	Gmdrm	hypo	CHH	-0.0184
Gm08	17565099	17566092	Gmdrm	hypo	CHH	-0.0283
Gm08	17574716	17575680	Gmdrm	hypo	CHH	-0.1279
Gm08	17575738	17576732	Gmdrm	hypo	CHH	-0.0883
Gm08	17576740	17577740	Gmdrm	hypo	CHH	-0.0217
Gm08	17584445	17585406	Gmdrm	hypo	CHH	-0.0197
Gm08	17595692	17596692	Gmdrm	hypo	CHH	-0.0136
Gm08	17605348	17606347	Gmdrm	hypo	CHH	-0.0912
Gm08	17621990	17622556	Gmdrm	hypo	CHH	-0.023
Gm08	17622678	17623662	Gmdrm	hypo	CHH	-0.0172
Gm08	17626236	17627230	Gmdrm	hypo	CHH	-0.1525
Gm08	17629042	17630039	Gmdrm	hypo	CHH	-0.1119
Gm08	17630049	17630254	Gmdrm	hypo	CHH	-0.03
Gm08	17642716	17643670	Gmdrm	hypo	CHH	-0.0979
Gm08	17648289	17649288	Gmdrm	hypo	CHH	-0.0362
Gm08	17655395	17656389	Gmdrm	hypo	CHH	-0.1109
Gm08	17656399	17657399	Gmdrm	hypo	CHH	-0.1233
Gm08	17657414	17657869	Gmdrm	hypo	CHH	-0.0405
Gm08	17661011	17662011	Gmdrm	hypo	CHH	-0.0771
Gm08	17662012	17662274	Gmdrm	hypo	CHH	-0.0421
Gm08	17662467	17663452	Gmdrm	hypo	CHH	-0.0605
Gm08	17663482	17664463	Gmdrm	hypo	CHH	-0.0599
Gm08	17666527	17667444	Gmdrm	hypo	CHH	-0.022
Gm08	17673518	17674511	Gmdrm	hypo	CHH	-0.0164
Gm08	17686035	17687029	Gmdrm	hypo	CHH	-0.0154
Gm08	17687036	17688032	Gmdrm	hypo	CHH	-0.0605
Gm08	17688045	17689040	Gmdrm	hypo	CHH	-0.0728
Gm08	17689047	17690040	Gmdrm	hypo	CHH	-0.0886
Gm08	17692025	17693014	Gmdrm	hypo	CHH	-0.0276
Gm08	17701467	17702461	Gmdrm	hypo	CHH	-0.0285
Gm08	17702478	17703472	Gmdrm	hypo	CHH	-0.0766
Gm08	17703482	17704479	Gmdrm	hypo	CHH	-0.0653
Gm08	17704484	17705225	Gmdrm	hypo	CHH	-0.0767
Gm08	17709731	17710569	Gmdrm	hypo	CHH	-0.2
Gm08	17710742	17710905	Gmdrm	hypo	CHH	-0.1263
Gm08	17719292	17720192	Gmdrm	hypo	CHH	-0.134
Gm08	17722348	17722899	Gmdrm	hypo	CHH	-0.0877
Gm08	17727043	17727151	Gmdrm	hypo	CHH	-0.078
Gm08	17732184	17733172	Gmdrm	hypo	CHH	-0.0921

Gm08	17743217	17744201	Gmdrm	hypo	CHH	-0.0146
Gm08	17744239	17745234	Gmdrm	hypo	CHH	-0.0613
Gm08	17745246	17746221	Gmdrm	hypo	CHH	-0.0255
Gm08	17747264	17747386	Gmdrm	hypo	CHH	-0.062
Gm08	17749394	17750389	Gmdrm	hypo	CHH	-0.0576
Gm08	17750404	17751384	Gmdrm	hypo	CHH	-0.0492
Gm08	17759279	17760259	Gmdrm	hypo	CHH	-0.0474
Gm08	17761286	17762278	Gmdrm	hypo	CHH	-0.0352
Gm08	17767398	17768372	Gmdrm	hypo	CHH	-0.0253
Gm08	17777498	17778498	Gmdrm	hypo	CHH	-0.054
Gm08	17794720	17794965	Gmdrm	hypo	CHH	-0.0925
Gm08	17802958	17803896	Gmdrm	hypo	CHH	-0.0187
Gm08	17808117	17809116	Gmdrm	hypo	CHH	-0.1194
Gm08	17818716	17819038	Gmdrm	hypo	CHH	-0.043
Gm08	17824284	17825276	Gmdrm	hypo	CHH	-0.1699
Gm08	17828233	17828385	Gmdrm	hypo	CHH	-0.0466
Gm08	17831522	17832498	Gmdrm	hypo	CHH	-0.0192
Gm08	17836058	17837052	Gmdrm	hypo	CHH	-0.0425
Gm08	17841917	17842912	Gmdrm	hypo	CHH	-0.0171
Gm08	17842921	17843526	Gmdrm	hypo	CHH	-0.0344
Gm08	17848297	17849295	Gmdrm	hypo	CHH	-0.0155
Gm08	17851480	17852466	Gmdrm	hypo	CHH	-0.1544
Gm08	17855001	17856000	Gmdrm	hypo	CHH	-0.1345
Gm08	17860152	17860697	Gmdrm	hypo	CHH	-0.0615
Gm08	17860817	17861807	Gmdrm	hypo	CHH	-0.0166
Gm08	17891566	17892396	Gmdrm	hypo	CHH	-0.0394
Gm08	17896839	17897813	Gmdrm	hypo	CHH	-0.0208
Gm08	17898875	17899853	Gmdrm	hypo	CHH	-0.1456
Gm08	17899902	17900043	Gmdrm	hypo	CHH	-0.138
Gm08	17900150	17901144	Gmdrm	hypo	CHH	-0.0424
Gm08	17914723	17915711	Gmdrm	hypo	CHH	-0.0435
Gm08	17920467	17921466	Gmdrm	hypo	CHH	-0.0373
Gm08	17925380	17926370	Gmdrm	hypo	CHH	-0.0997
Gm08	17926386	17927379	Gmdrm	hypo	CHH	-0.0557
Gm08	17927387	17928387	Gmdrm	hypo	CHH	-0.0586
Gm08	17930243	17931210	Gmdrm	hypo	CHH	-0.1882
Gm08	17933734	17934728	Gmdrm	hypo	CHH	-0.0222
Gm08	17934755	17935755	Gmdrm	hypo	CHH	-0.0545
Gm08	17939115	17940098	Gmdrm	hypo	CHH	-0.0395
Gm08	17940118	17941113	Gmdrm	hypo	CHH	-0.1823
Gm08	17945432	17946331	Gmdrm	hypo	CHH	-0.0486
Gm08	17950497	17951473	Gmdrm	hypo	CHH	-0.0264
Gm08	17965374	17966370	Gmdrm	hypo	CHH	-0.0188
Gm08	17968387	17969385	Gmdrm	hypo	CHH	-0.0139
Gm08	17978471	17979471	Gmdrm	hypo	CHH	-0.0196
Gm08	17979473	17980444	Gmdrm	hypo	CHH	-0.0192

Gm08	17983369	17984369	Gmdrm	hypo	CHH	-0.1712
Gm08	17985645	17986106	Gmdrm	hypo	CHH	-0.038
Gm08	17997062	17998060	Gmdrm	hypo	CHH	-0.0475
Gm08	18003130	18004129	Gmdrm	hypo	CHH	-0.052
Gm08	18004135	18005111	Gmdrm	hypo	CHH	-0.1082
Gm08	18005194	18005551	Gmdrm	hypo	CHH	-0.0326
Gm08	18007661	18008648	Gmdrm	hypo	CHH	-0.0237
Gm08	18012101	18012909	Gmdrm	hypo	CHH	-0.023
Gm08	18014035	18014866	Gmdrm	hypo	CHH	-0.1941
Gm08	18016045	18016731	Gmdrm	hypo	CHH	-0.0797
Gm08	18023799	18024135	Gmdrm	hypo	CHH	-0.0307
Gm08	18025595	18026595	Gmdrm	hypo	CHH	-0.0931
Gm08	18029504	18030498	Gmdrm	hypo	CHH	-0.1308
Gm08	18030508	18031465	Gmdrm	hypo	CHH	-0.1315
Gm08	18032092	18033076	Gmdrm	hypo	CHH	-0.1018
Gm08	18048646	18048704	Gmdrm	hypo	CHH	-0.03
Gm08	18053516	18054457	Gmdrm	hypo	CHH	-0.144
Gm08	18066268	18066390	Gmdrm	hypo	CHH	-0.1013
Gm08	18066497	18067038	Gmdrm	hypo	CHH	-0.0957
Gm08	18068733	18069730	Gmdrm	hypo	CHH	-0.0091
Gm08	18071140	18071302	Gmdrm	hypo	CHH	-0.0485
Gm08	18072877	18073848	Gmdrm	hypo	CHH	-0.1574
Gm08	18088128	18089118	Gmdrm	hypo	CHH	-0.0111
Gm08	18090205	18090856	Gmdrm	hypo	CHH	-0.027
Gm08	18096028	18096864	Gmdrm	hypo	CHH	-0.0155
Gm08	18098009	18098196	Gmdrm	hypo	CHH	-0.07
Gm08	18098383	18099380	Gmdrm	hypo	CHH	-0.0184
Gm08	18105099	18106097	Gmdrm	hypo	CHH	-0.0156
Gm08	18106107	18107060	Gmdrm	hypo	CHH	-0.0765
Gm08	18122824	18123824	Gmdrm	hypo	CHH	-0.0279
Gm08	18126038	18127036	Gmdrm	hypo	CHH	-0.012
Gm08	18130951	18131602	Gmdrm	hypo	CHH	-0.0304
Gm08	18134764	18135491	Gmdrm	hypo	CHH	-0.02
Gm08	18152279	18153274	Gmdrm	hypo	CHH	-0.0228
Gm08	18156053	18157031	Gmdrm	hypo	CHH	-0.1093
Gm08	18172778	18173777	Gmdrm	hypo	CHH	-0.0345
Gm08	18181694	18182677	Gmdrm	hypo	CHH	-0.011
Gm08	18186904	18187701	Gmdrm	hypo	CHH	-0.0813
Gm08	18194252	18195238	Gmdrm	hypo	CHH	-0.0397
Gm08	18198628	18199585	Gmdrm	hypo	CHH	-0.0186
Gm08	18199642	18200625	Gmdrm	hypo	CHH	-0.1267
Gm08	18210904	18211904	Gmdrm	hypo	CHH	-0.0556
Gm08	18214878	18215873	Gmdrm	hypo	CHH	-0.0148
Gm08	18232678	18233665	Gmdrm	hypo	CHH	-0.0361
Gm08	18237305	18238294	Gmdrm	hypo	CHH	-0.033
Gm08	18259217	18260166	Gmdrm	hypo	CHH	-0.0541

Gm08	18260233	18261230 Gmdrm	hypo	CHH	-0.106
Gm08	18261237	18262237 Gmdrm	hypo	CHH	-0.2045
Gm08	18262239	18263046 Gmdrm	hypo	CHH	-0.1725
Gm08	18265096	18266027 Gmdrm	hypo	CHH	-0.0262
Gm08	18269812	18270807 Gmdrm	hypo	CHH	-0.0464
Gm08	18270823	18271795 Gmdrm	hypo	CHH	-0.0234
Gm08	18285865	18286603 Gmdrm	hypo	CHH	-0.0511
Gm08	18289755	18290748 Gmdrm	hypo	CHH	-0.1219
Gm08	18300322	18300627 Gmdrm	hypo	CHH	-0.1179
Gm08	18300991	18301973 Gmdrm	hypo	CHH	-0.2122
Gm08	18315635	18316618 Gmdrm	hypo	CHH	-0.0116
Gm08	18331158	18332158 Gmdrm	hypo	CHH	-0.0285
Gm08	18338624	18339310 Gmdrm	hypo	CHH	-0.0408
Gm08	18340436	18341309 Gmdrm	hypo	CHH	-0.0362
Gm08	18344308	18345304 Gmdrm	hypo	CHH	-0.039
Gm08	18373566	18374546 Gmdrm	hypo	CHH	-0.0776
Gm08	18374571	18375060 Gmdrm	hypo	CHH	-0.15
Gm08	18377421	18377730 Gmdrm	hypo	CHH	-0.1157
Gm08	18390072	18390817 Gmdrm	hypo	CHH	-0.1115
Gm08	18394358	18395355 Gmdrm	hypo	CHH	-0.0693
Gm08	18395360	18396360 Gmdrm	hypo	CHH	-0.1507
Gm08	18397373	18398370 Gmdrm	hypo	CHH	-0.0243
Gm08	18411962	18412961 Gmdrm	hypo	CHH	-0.0581
Gm08	18412999	18413268 Gmdrm	hypo	CHH	-0.0232
Gm08	18428352	18428899 Gmdrm	hypo	CHH	-0.018
Gm08	18438294	18439219 Gmdrm	hypo	CHH	-0.0457
Gm08	18442611	18443610 Gmdrm	hypo	CHH	-0.0283
Gm08	18443616	18444616 Gmdrm	hypo	CHH	-0.0634
Gm08	18444620	18445605 Gmdrm	hypo	CHH	-0.0499
Gm08	18445649	18446637 Gmdrm	hypo	CHH	-0.0239
Gm08	18464630	18465621 Gmdrm	hypo	CHH	-0.027
Gm08	18466780	18466850 Gmdrm	hypo	CHH	-0.0443
Gm08	18481962	18482955 Gmdrm	hypo	CHH	-0.0197
Gm08	18494080	18494945 Gmdrm	hypo	CHH	-0.0308
Gm08	18497438	18498438 Gmdrm	hypo	CHH	-0.0558
Gm08	18525252	18526241 Gmdrm	hypo	CHH	-0.0207
Gm08	18526841	18527760 Gmdrm	hypo	CHH	-0.1039
Gm08	18527850	18528793 Gmdrm	hypo	CHH	-0.1225
Gm08	18530116	18531115 Gmdrm	hypo	CHH	-0.1512
Gm08	18531124	18532124 Gmdrm	hypo	CHH	-0.0501
Gm08	18532129	18533124 Gmdrm	hypo	CHH	-0.0492
Gm08	18533157	18534143 Gmdrm	hypo	CHH	-0.0383
Gm08	18534686	18535676 Gmdrm	hypo	CHH	-0.0349
Gm08	18535690	18536689 Gmdrm	hypo	CHH	-0.0165
Gm08	18536716	18537705 Gmdrm	hypo	CHH	-0.112
Gm08	18544719	18545718 Gmdrm	hypo	CHH	-0.223

Gm08	18545721	18546023	Gmdrm	hypo	CHH	-0.2402
Gm08	18566993	18567993	Gmdrm	hypo	CHH	-0.1376
Gm08	18567997	18568280	Gmdrm	hypo	CHH	-0.101
Gm08	18572821	18573814	Gmdrm	hypo	CHH	-0.0193
Gm08	18573832	18574832	Gmdrm	hypo	CHH	-0.0251
Gm08	18579849	18580846	Gmdrm	hypo	CHH	-0.1015
Gm08	18580860	18581834	Gmdrm	hypo	CHH	-0.0307
Gm08	18581881	18582196	Gmdrm	hypo	CHH	-0.0428
Gm08	18585235	18586218	Gmdrm	hypo	CHH	-0.0182
Gm08	18590177	18590974	Gmdrm	hypo	CHH	-0.0144
Gm08	18592674	18593669	Gmdrm	hypo	CHH	-0.0329
Gm08	18603690	18604673	Gmdrm	hypo	CHH	-0.0498
Gm08	18604707	18605688	Gmdrm	hypo	CHH	-0.0456
Gm08	18606712	18607676	Gmdrm	hypo	CHH	-0.0203
Gm08	18607730	18608728	Gmdrm	hypo	CHH	-0.0341
Gm08	18615096	18616093	Gmdrm	hypo	CHH	-0.0182
Gm08	18620236	18620287	Gmdrm	hypo	CHH	-0.072
Gm08	18622426	18623424	Gmdrm	hypo	CHH	-0.1561
Gm08	18623432	18624429	Gmdrm	hypo	CHH	-0.1395
Gm08	18632551	18632829	Gmdrm	hypo	CHH	-0.0695
Gm08	18640139	18641127	Gmdrm	hypo	CHH	-0.0613
Gm08	18642715	18643709	Gmdrm	hypo	CHH	-0.0699
Gm08	18643727	18644727	Gmdrm	hypo	CHH	-0.0681
Gm08	18644735	18645733	Gmdrm	hypo	CHH	-0.0276
Gm08	18645737	18646446	Gmdrm	hypo	CHH	-0.0538
Gm08	18648027	18649027	Gmdrm	hypo	CHH	-0.0143
Gm08	18651099	18652095	Gmdrm	hypo	CHH	-0.047
Gm08	18657430	18658427	Gmdrm	hypo	CHH	-0.1168
Gm08	18658433	18659214	Gmdrm	hypo	CHH	-0.0235
Gm08	18666546	18667536	Gmdrm	hypo	CHH	-0.0321
Gm08	18668148	18669139	Gmdrm	hypo	CHH	-0.0235
Gm08	18672285	18672767	Gmdrm	hypo	CHH	-0.0289
Gm08	18677757	18678566	Gmdrm	hypo	CHH	-0.0215
Gm08	18681325	18682322	Gmdrm	hypo	CHH	-0.0209
Gm08	18690690	18691690	Gmdrm	hypo	CHH	-0.0256
Gm08	18691692	18692684	Gmdrm	hypo	CHH	-0.0844
Gm08	18692710	18693686	Gmdrm	hypo	CHH	-0.013
Gm08	18709321	18710318	Gmdrm	hypo	CHH	-0.0151
Gm08	18718450	18719445	Gmdrm	hypo	CHH	-0.0463
Gm08	18720122	18720692	Gmdrm	hypo	CHH	-0.0219
Gm08	18725226	18726214	Gmdrm	hypo	CHH	-0.0508
Gm08	18726235	18727229	Gmdrm	hypo	CHH	-0.0531
Gm08	18755170	18756169	Gmdrm	hypo	CHH	-0.036
Gm08	18756186	18757181	Gmdrm	hypo	CHH	-0.0175
Gm08	18760037	18760997	Gmdrm	hypo	CHH	-0.0313
Gm08	18764708	18765318	Gmdrm	hypo	CHH	-0.0408

Gm08	18765458	18766458	Gmdrm	hypo	CHH	-0.0572
Gm08	18766460	18767457	Gmdrm	hypo	CHH	-0.2512
Gm08	18770514	18771465	Gmdrm	hypo	CHH	-0.0213
Gm08	18772559	18773553	Gmdrm	hypo	CHH	-0.0155
Gm08	18782826	18783826	Gmdrm	hypo	CHH	-0.1918
Gm08	18783827	18784826	Gmdrm	hypo	CHH	-0.0596
Gm08	18806916	18807909	Gmdrm	hypo	CHH	-0.0574
Gm08	18818164	18819160	Gmdrm	hypo	CHH	-0.0636
Gm08	18823770	18824762	Gmdrm	hypo	CHH	-0.0489
Gm08	18856214	18857213	Gmdrm	hypo	CHH	-0.0298
Gm08	18863277	18864276	Gmdrm	hypo	CHH	-0.0515
Gm08	18864281	18865281	Gmdrm	hypo	CHH	-0.0632
Gm08	18865290	18866290	Gmdrm	hypo	CHH	-0.0247
Gm08	18866302	18867300	Gmdrm	hypo	CHH	-0.0129
Gm08	18869729	18870728	Gmdrm	hypo	CHH	-0.0233
Gm08	18870735	18871727	Gmdrm	hypo	CHH	-0.0277
Gm08	18878434	18879374	Gmdrm	hypo	CHH	-0.0247
Gm08	18895274	18896269	Gmdrm	hypo	CHH	-0.0134
Gm08	18902163	18903146	Gmdrm	hypo	CHH	-0.0351
Gm08	18904171	18905167	Gmdrm	hypo	CHH	-0.0369
Gm08	18911294	18911433	Gmdrm	hypo	CHH	-0.0416
Gm08	18911872	18912868	Gmdrm	hypo	CHH	-0.0432
Gm08	18912878	18913693	Gmdrm	hypo	CHH	-0.0265
Gm08	18916131	18917115	Gmdrm	hypo	CHH	-0.0243
Gm08	18917190	18918165	Gmdrm	hypo	CHH	-0.0501
Gm08	18922511	18923509	Gmdrm	hypo	CHH	-0.0177
Gm08	18935356	18936353	Gmdrm	hypo	CHH	-0.0193
Gm08	18938614	18939611	Gmdrm	hypo	CHH	-0.0265
Gm08	18945013	18945989	Gmdrm	hypo	CHH	-0.011
Gm08	18951446	18951913	Gmdrm	hypo	CHH	-0.0428
Gm08	18966784	18967765	Gmdrm	hypo	CHH	-0.1381
Gm08	18967815	18968801	Gmdrm	hypo	CHH	-0.0867
Gm08	18971551	18972548	Gmdrm	hypo	CHH	-0.0668
Gm08	18978254	18979249	Gmdrm	hypo	CHH	-0.087
Gm08	18982297	18983208	Gmdrm	hypo	CHH	-0.0583
Gm08	18991543	18992542	Gmdrm	hypo	CHH	-0.1659
Gm08	18992545	18993544	Gmdrm	hypo	CHH	-0.0782
Gm08	18995558	18996558	Gmdrm	hypo	CHH	-0.042
Gm08	18996564	18997543	Gmdrm	hypo	CHH	-0.1071
Gm08	19009770	19010253	Gmdrm	hypo	CHH	-0.0189
Gm08	19015975	19016969	Gmdrm	hypo	CHH	-0.0602
Gm08	19027312	19028307	Gmdrm	hypo	CHH	-0.031
Gm08	19028313	19029313	Gmdrm	hypo	CHH	-0.1034
Gm08	19050587	19051581	Gmdrm	hypo	CHH	-0.0197
Gm08	19052518	19053517	Gmdrm	hypo	CHH	-0.1282
Gm08	19053522	19054518	Gmdrm	hypo	CHH	-0.1476

Gm08	19059412	19060387	Gmdrm	hypo	CHH	-0.0207
Gm08	19065481	19066463	Gmdrm	hypo	CHH	-0.0738
Gm08	19075696	19076679	Gmdrm	hypo	CHH	-0.026
Gm08	19076854	19077854	Gmdrm	hypo	CHH	-0.1125
Gm08	19077863	19078832	Gmdrm	hypo	CHH	-0.0783
Gm08	19081575	19082398	Gmdrm	hypo	CHH	-0.1771
Gm08	19114411	19115411	Gmdrm	hypo	CHH	-0.1097
Gm08	19115414	19116413	Gmdrm	hypo	CHH	-0.0892
Gm08	19119441	19120439	Gmdrm	hypo	CHH	-0.0145
Gm08	19125550	19125764	Gmdrm	hypo	CHH	-0.0261
Gm08	19125873	19126819	Gmdrm	hypo	CHH	-0.0523
Gm08	19131459	19132457	Gmdrm	hypo	CHH	-0.1058
Gm08	19141032	19142029	Gmdrm	hypo	CHH	-0.1083
Gm08	19142035	19143032	Gmdrm	hypo	CHH	-0.1314
Gm08	19143036	19144024	Gmdrm	hypo	CHH	-0.1113
Gm08	19144042	19144834	Gmdrm	hypo	CHH	-0.0224
Gm08	19153000	19153998	Gmdrm	hypo	CHH	-0.0576
Gm08	19160149	19161100	Gmdrm	hypo	CHH	-0.0116
Gm08	19163931	19164928	Gmdrm	hypo	CHH	-0.0136
Gm08	19164957	19165942	Gmdrm	hypo	CHH	-0.03
Gm08	19165975	19166948	Gmdrm	hypo	CHH	-0.0224
Gm08	19172117	19173066	Gmdrm	hypo	CHH	-0.0127
Gm08	19179764	19180763	Gmdrm	hypo	CHH	-0.0832
Gm08	19180766	19181079	Gmdrm	hypo	CHH	-0.1308
Gm08	19181360	19182317	Gmdrm	hypo	CHH	-0.0182
Gm08	19183159	19184153	Gmdrm	hypo	CHH	-0.0496
Gm08	19186494	19187476	Gmdrm	hypo	CHH	-0.1433
Gm08	19188864	19189847	Gmdrm	hypo	CHH	-0.1162
Gm08	19189865	19190633	Gmdrm	hypo	CHH	-0.0264
Gm08	19194182	19195176	Gmdrm	hypo	CHH	-0.0595
Gm08	19195185	19196177	Gmdrm	hypo	CHH	-0.0801
Gm08	19200885	19201883	Gmdrm	hypo	CHH	-0.0429
Gm08	19201887	19202882	Gmdrm	hypo	CHH	-0.0443
Gm08	19202897	19203594	Gmdrm	hypo	CHH	-0.0735
Gm08	19204733	19205730	Gmdrm	hypo	CHH	-0.0157
Gm08	19208951	19209543	Gmdrm	hypo	CHH	-0.0711
Gm08	19209687	19210291	Gmdrm	hypo	CHH	-0.1245
Gm08	19222055	19223054	Gmdrm	hypo	CHH	-0.0888
Gm08	19223057	19224055	Gmdrm	hypo	CHH	-0.145
Gm08	19226065	19227061	Gmdrm	hypo	CHH	-0.1713
Gm08	19227066	19227982	Gmdrm	hypo	CHH	-0.0574
Gm08	19231832	19232831	Gmdrm	hypo	CHH	-0.0783
Gm08	19232837	19233835	Gmdrm	hypo	CHH	-0.0841
Gm08	19235872	19236871	Gmdrm	hypo	CHH	-0.0369
Gm08	19244162	19245155	Gmdrm	hypo	CHH	-0.0245
Gm08	19249282	19250275	Gmdrm	hypo	CHH	-0.0153

Gm08	19250283	19251265	Gmdrm	hypo	CHH	-0.0237
Gm08	19251284	19252278	Gmdrm	hypo	CHH	-0.0379
Gm08	19265767	19266753	Gmdrm	hypo	CHH	-0.0435
Gm08	19268818	19269817	Gmdrm	hypo	CHH	-0.0353
Gm08	19269856	19270853	Gmdrm	hypo	CHH	-0.0632
Gm08	19272876	19273871	Gmdrm	hypo	CHH	-0.0373
Gm08	19273881	19274872	Gmdrm	hypo	CHH	-0.0503
Gm08	19274887	19275882	Gmdrm	hypo	CHH	-0.0383
Gm08	19287315	19288300	Gmdrm	hypo	CHH	-0.0159
Gm08	19288330	19289125	Gmdrm	hypo	CHH	-0.0333
Gm08	19289238	19289733	Gmdrm	hypo	CHH	-0.0862
Gm08	19290326	19290950	Gmdrm	hypo	CHH	-0.0823
Gm08	19322626	19323623	Gmdrm	hypo	CHH	-0.049
Gm08	19331423	19332414	Gmdrm	hypo	CHH	-0.0145
Gm08	19332430	19333429	Gmdrm	hypo	CHH	-0.05
Gm08	19337445	19338444	Gmdrm	hypo	CHH	-0.04
Gm08	19342488	19343487	Gmdrm	hypo	CHH	-0.0308
Gm08	19368438	19369280	Gmdrm	hypo	CHH	-0.0182
Gm08	19371920	19372920	Gmdrm	hypo	CHH	-0.037
Gm08	19374931	19375929	Gmdrm	hypo	CHH	-0.0331
Gm08	19375932	19376917	Gmdrm	hypo	CHH	-0.0748
Gm08	19378478	19378958	Gmdrm	hypo	CHH	-0.0155
Gm08	19380086	19381085	Gmdrm	hypo	CHH	-0.0357
Gm08	19381089	19382083	Gmdrm	hypo	CHH	-0.0256
Gm08	19388598	19389596	Gmdrm	hypo	CHH	-0.0791
Gm08	19389600	19389861	Gmdrm	hypo	CHH	-0.1684
Gm08	19423115	19423686	Gmdrm	hypo	CHH	-0.0858
Gm08	19425885	19426838	Gmdrm	hypo	CHH	-0.0442
Gm08	19430432	19431426	Gmdrm	hypo	CHH	-0.0497
Gm08	19444440	19445439	Gmdrm	hypo	CHH	-0.0396
Gm08	19445442	19446440	Gmdrm	hypo	CHH	-0.0428
Gm08	19446444	19447431	Gmdrm	hypo	CHH	-0.0565
Gm08	19447450	19448390	Gmdrm	hypo	CHH	-0.1202
Gm08	19491498	19492490	Gmdrm	hypo	CHH	-0.0745
Gm08	19495521	19495661	Gmdrm	hypo	CHH	-0.0344
Gm08	19496815	19497768	Gmdrm	hypo	CHH	-0.0623
Gm08	19498202	19499168	Gmdrm	hypo	CHH	-0.0784
Gm08	19531305	19532304	Gmdrm	hypo	CHH	-0.1156
Gm08	19532336	19533332	Gmdrm	hypo	CHH	-0.1209
Gm08	19538945	19539938	Gmdrm	hypo	CHH	-0.0674
Gm08	19550323	19551319	Gmdrm	hypo	CHH	-0.1128
Gm08	19608335	19609316	Gmdrm	hypo	CHH	-0.0197
Gm08	19609668	19610648	Gmdrm	hypo	CHH	-0.0153
Gm08	19610715	19611697	Gmdrm	hypo	CHH	-0.0427
Gm08	19617040	19618040	Gmdrm	hypo	CHH	-0.0287
Gm08	19646629	19647624	Gmdrm	hypo	CHH	-0.142

Gm08	19647636	19648633	Gmdrm	hypo	CHH	-0.1141
Gm08	19648638	19649604	Gmdrm	hypo	CHH	-0.0146
Gm08	19650663	19651661	Gmdrm	hypo	CHH	-0.0614
Gm08	19661746	19662742	Gmdrm	hypo	CHH	-0.0146
Gm08	19662762	19663753	Gmdrm	hypo	CHH	-0.0119
Gm08	19674323	19675316	Gmdrm	hypo	CHH	-0.1096
Gm08	19679418	19680412	Gmdrm	hypo	CHH	-0.0649
Gm08	19690211	19691208	Gmdrm	hypo	CHH	-0.044
Gm08	19696249	19697245	Gmdrm	hypo	CHH	-0.079
Gm08	19701270	19702255	Gmdrm	hypo	CHH	-0.0512
Gm08	19738997	19739793	Gmdrm	hypo	CHH	-0.0411
Gm08	19740095	19741086	Gmdrm	hypo	CHH	-0.0243
Gm08	19767941	19768898	Gmdrm	hypo	CHH	-0.0736
Gm08	19768961	19769878	Gmdrm	hypo	CHH	-0.0605
Gm08	19779856	19780155	Gmdrm	hypo	CHH	-0.0363
Gm08	19787409	19787833	Gmdrm	hypo	CHH	-0.0596
Gm08	19792132	19793109	Gmdrm	hypo	CHH	-0.028
Gm08	19800496	19801480	Gmdrm	hypo	CHH	-0.0311
Gm08	19808376	19809354	Gmdrm	hypo	CHH	-0.0364
Gm08	19812013	19812999	Gmdrm	hypo	CHH	-0.0742
Gm08	19833933	19834894	Gmdrm	hypo	CHH	-0.0114
Gm08	19836971	19837737	Gmdrm	hypo	CHH	-0.015
Gm08	19839092	19840075	Gmdrm	hypo	CHH	-0.0235
Gm08	19840097	19840645	Gmdrm	hypo	CHH	-0.0895
Gm08	19894081	19895067	Gmdrm	hypo	CHH	-0.0311
Gm08	19926149	19927143	Gmdrm	hypo	CHH	-0.0205
Gm08	19928163	19929161	Gmdrm	hypo	CHH	-0.0181
Gm08	19929192	19930169	Gmdrm	hypo	CHH	-0.0245
Gm08	19930194	19931192	Gmdrm	hypo	CHH	-0.0329
Gm08	19937082	19938071	Gmdrm	hypo	CHH	-0.0255
Gm08	19939115	19940101	Gmdrm	hypo	CHH	-0.0333
Gm08	19966526	19967460	Gmdrm	hypo	CHH	-0.0135
Gm08	19972566	19973553	Gmdrm	hypo	CHH	-0.026
Gm08	19978138	19979128	Gmdrm	hypo	CHH	-0.0223
Gm08	19983466	19984465	Gmdrm	hypo	CHH	-0.147
Gm08	20000497	20001488	Gmdrm	hypo	CHH	-0.0601
Gm08	20008524	20009519	Gmdrm	hypo	CHH	-0.0597
Gm08	20022161	20022486	Gmdrm	hypo	CHH	-0.0285
Gm08	20022591	20023590	Gmdrm	hypo	CHH	-0.0336
Gm08	20036734	20037696	Gmdrm	hypo	CHH	-0.0686
Gm08	20052237	20053236	Gmdrm	hypo	CHH	-0.0448
Gm08	20069181	20070147	Gmdrm	hypo	CHH	-0.0278
Gm08	20070223	20070760	Gmdrm	hypo	CHH	-0.1031
Gm08	20070895	20071886	Gmdrm	hypo	CHH	-0.0854
Gm08	20087063	20088063	Gmdrm	hypo	CHH	-0.0611
Gm08	20088074	20089073	Gmdrm	hypo	CHH	-0.019

Gm08	20107004	20107994	Gmdrm	hypo	CHH	-0.1478
Gm08	20108010	20108804	Gmdrm	hypo	CHH	-0.1728
Gm08	20125732	20126732	Gmdrm	hypo	CHH	-0.0268
Gm08	20146370	20147356	Gmdrm	hypo	CHH	-0.1131
Gm08	20147371	20148369	Gmdrm	hypo	CHH	-0.1222
Gm08	20149387	20150254	Gmdrm	hypo	CHH	-0.0182
Gm08	20162416	20163410	Gmdrm	hypo	CHH	-0.0277
Gm08	20163426	20164404	Gmdrm	hypo	CHH	-0.0177
Gm08	20165442	20166286	Gmdrm	hypo	CHH	-0.0568
Gm08	20173486	20174481	Gmdrm	hypo	CHH	-0.055
Gm08	20177525	20178502	Gmdrm	hypo	CHH	-0.0145
Gm08	20179601	20180601	Gmdrm	hypo	CHH	-0.0293
Gm08	20181622	20182562	Gmdrm	hypo	CHH	-0.0205
Gm08	20182662	20183641	Gmdrm	hypo	CHH	-0.0237
Gm08	20211851	20212851	Gmdrm	hypo	CHH	-0.1469
Gm08	20212852	20213515	Gmdrm	hypo	CHH	-0.142
Gm08	20218649	20219633	Gmdrm	hypo	CHH	-0.0284
Gm08	20223765	20224759	Gmdrm	hypo	CHH	-0.0796
Gm08	20224767	20225763	Gmdrm	hypo	CHH	-0.0566
Gm08	20229790	20230789	Gmdrm	hypo	CHH	-0.0496
Gm08	20230793	20231785	Gmdrm	hypo	CHH	-0.0725
Gm08	20232948	20233639	Gmdrm	hypo	CHH	-0.0793
Gm08	20269610	20270046	Gmdrm	hypo	CHH	-0.0593
Gm08	20270164	20271164	Gmdrm	hypo	CHH	-0.0332
Gm08	20282428	20283401	Gmdrm	hypo	CHH	-0.0243
Gm08	20300282	20301282	Gmdrm	hypo	CHH	-0.0804
Gm08	20301315	20302310	Gmdrm	hypo	CHH	-0.0315
Gm08	20344317	20345315	Gmdrm	hypo	CHH	-0.0283
Gm08	20351932	20352931	Gmdrm	hypo	CHH	-0.1708
Gm08	20356943	20357919	Gmdrm	hypo	CHH	-0.0683
Gm08	20360906	20361895	Gmdrm	hypo	CHH	-0.0491
Gm08	20365946	20366945	Gmdrm	hypo	CHH	-0.0658
Gm08	20366949	20367948	Gmdrm	hypo	CHH	-0.1513
Gm08	20371829	20371909	Gmdrm	hypo	CHH	-0.038
Gm08	20391926	20392893	Gmdrm	hypo	CHH	-0.0134
Gm08	20407284	20407643	Gmdrm	hypo	CHH	-0.0977
Gm08	20412522	20413514	Gmdrm	hypo	CHH	-0.0486
Gm08	20417044	20417149	Gmdrm	hypo	CHH	-0.04
Gm08	20425018	20425950	Gmdrm	hypo	CHH	-0.3093
Gm08	20428839	20429822	Gmdrm	hypo	CHH	-0.0182
Gm08	20431971	20432957	Gmdrm	hypo	CHH	-0.0154
Gm08	20435040	20436039	Gmdrm	hypo	CHH	-0.0676
Gm08	20447926	20448897	Gmdrm	hypo	CHH	-0.0236
Gm08	20464312	20464646	Gmdrm	hypo	CHH	-0.0686
Gm08	20467310	20468300	Gmdrm	hypo	CHH	-0.0423
Gm08	20472052	20472199	Gmdrm	hypo	CHH	-0.1563

Gm08	20483684	20484673	Gmdrm	hypo	CHH	-0.0155
Gm08	20488145	20488926	Gmdrm	hypo	CHH	-0.0282
Gm08	20496131	20497131	Gmdrm	hypo	CHH	-0.0564
Gm08	20497149	20498121	Gmdrm	hypo	CHH	-0.1048
Gm08	20503763	20504720	Gmdrm	hypo	CHH	-0.0207
Gm08	20513091	20514091	Gmdrm	hypo	CHH	-0.0567
Gm08	20514093	20515090	Gmdrm	hypo	CHH	-0.0775
Gm08	20516105	20517105	Gmdrm	hypo	CHH	-0.0503
Gm08	20522588	20523480	Gmdrm	hypo	CHH	-0.0288
Gm08	20530966	20531962	Gmdrm	hypo	CHH	-0.0495
Gm08	20531968	20532965	Gmdrm	hypo	CHH	-0.0303
Gm08	20532978	20533965	Gmdrm	hypo	CHH	-0.0801
Gm08	20533980	20534980	Gmdrm	hypo	CHH	-0.1505
Gm08	20534981	20535938	Gmdrm	hypo	CHH	-0.0546
Gm08	20535996	20536985	Gmdrm	hypo	CHH	-0.0199
Gm08	20540243	20541227	Gmdrm	hypo	CHH	-0.0284
Gm08	20544112	20545109	Gmdrm	hypo	CHH	-0.0143
Gm08	20548495	20549493	Gmdrm	hypo	CHH	-0.0452
Gm08	20549497	20550470	Gmdrm	hypo	CHH	-0.085
Gm08	20550500	20551500	Gmdrm	hypo	CHH	-0.0405
Gm08	20561083	20561367	Gmdrm	hypo	CHH	-0.234
Gm08	20565975	20566961	Gmdrm	hypo	CHH	-0.0628
Gm08	20570681	20571681	Gmdrm	hypo	CHH	-0.128
Gm08	20580739	20581737	Gmdrm	hypo	CHH	-0.0344
Gm08	20581740	20582740	Gmdrm	hypo	CHH	-0.2111
Gm08	20605524	20605905	Gmdrm	hypo	CHH	-0.0452
Gm08	20613958	20614632	Gmdrm	hypo	CHH	-0.0476
Gm08	20617157	20618141	Gmdrm	hypo	CHH	-0.0314
Gm08	20639954	20640949	Gmdrm	hypo	CHH	-0.0282
Gm08	20641966	20642963	Gmdrm	hypo	CHH	-0.0295
Gm08	20642971	20643969	Gmdrm	hypo	CHH	-0.0126
Gm08	20654635	20655583	Gmdrm	hypo	CHH	-0.0171
Gm08	20695840	20696812	Gmdrm	hypo	CHH	-0.0127
Gm08	20697690	20698684	Gmdrm	hypo	CHH	-0.0114
Gm08	20698693	20699682	Gmdrm	hypo	CHH	-0.0524
Gm08	20699714	20700672	Gmdrm	hypo	CHH	-0.0399
Gm08	20712308	20713305	Gmdrm	hypo	CHH	-0.2085
Gm08	20713314	20714311	Gmdrm	hypo	CHH	-0.0475
Gm08	20720416	20721408	Gmdrm	hypo	CHH	-0.0448
Gm08	20721420	20721597	Gmdrm	hypo	CHH	-0.0934
Gm08	20721727	20722704	Gmdrm	hypo	CHH	-0.1071
Gm08	20722729	20723727	Gmdrm	hypo	CHH	-0.4347
Gm08	20723733	20724733	Gmdrm	hypo	CHH	-0.0251
Gm08	20726785	20727781	Gmdrm	hypo	CHH	-0.0909
Gm08	20731174	20732166	Gmdrm	hypo	CHH	-0.0797
Gm08	20733177	20734177	Gmdrm	hypo	CHH	-0.0552

Gm08	20734195	20735172	Gmdrm	hypo	CHH	-0.0474
Gm08	20748856	20749848	Gmdrm	hypo	CHH	-0.1355
Gm08	20767051	20768047	Gmdrm	hypo	CHH	-0.0397
Gm08	20768064	20768762	Gmdrm	hypo	CHH	-0.1283
Gm08	20786044	20786470	Gmdrm	hypo	CHH	-0.0626
Gm08	20789045	20790044	Gmdrm	hypo	CHH	-0.0708
Gm08	20806371	20807365	Gmdrm	hypo	CHH	-0.1416
Gm08	20822917	20823917	Gmdrm	hypo	CHH	-0.1014
Gm08	20824925	20825914	Gmdrm	hypo	CHH	-0.0727
Gm08	20826207	20827207	Gmdrm	hypo	CHH	-0.032
Gm08	20828244	20829244	Gmdrm	hypo	CHH	-0.0291
Gm08	20829254	20829873	Gmdrm	hypo	CHH	-0.0219
Gm08	20835355	20836352	Gmdrm	hypo	CHH	-0.1845
Gm08	20842413	20843411	Gmdrm	hypo	CHH	-0.0325
Gm08	20843414	20844398	Gmdrm	hypo	CHH	-0.0677
Gm08	20847328	20848315	Gmdrm	hypo	CHH	-0.0515
Gm08	20879947	20880937	Gmdrm	hypo	CHH	-0.0236
Gm08	20880967	20881962	Gmdrm	hypo	CHH	-0.1059
Gm08	20885999	20886984	Gmdrm	hypo	CHH	-0.0399
Gm08	20894634	20895557	Gmdrm	hypo	CHH	-0.0192
Gm08	20895856	20896795	Gmdrm	hypo	CHH	-0.0481
Gm08	20896862	20897860	Gmdrm	hypo	CHH	-0.0546
Gm08	20897868	20898853	Gmdrm	hypo	CHH	-0.0696
Gm08	20901938	20902281	Gmdrm	hypo	CHH	-0.0296
Gm08	20903265	20904259	Gmdrm	hypo	CHH	-0.1548
Gm08	20904822	20905813	Gmdrm	hypo	CHH	-0.0696
Gm08	20905824	20906763	Gmdrm	hypo	CHH	-0.0966
Gm08	20906825	20907806	Gmdrm	hypo	CHH	-0.0491
Gm08	20944458	20945445	Gmdrm	hypo	CHH	-0.0397
Gm08	20967589	20967709	Gmdrm	hypo	CHH	-0.0957
Gm08	20968770	20969768	Gmdrm	hypo	CHH	-0.0185
Gm08	20969781	20970479	Gmdrm	hypo	CHH	-0.0618
Gm08	21105798	21106786	Gmdrm	hypo	CHH	-0.0648
Gm08	21106806	21107797	Gmdrm	hypo	CHH	-0.1209
Gm08	21107816	21108729	Gmdrm	hypo	CHH	-0.0217
Gm08	21115225	21115724	Gmdrm	hypo	CHH	-0.0327
Gm08	21132990	21133433	Gmdrm	hypo	CHH	-0.0895
Gm08	21170743	21171741	Gmdrm	hypo	CHH	-0.0811
Gm08	21206697	21207033	Gmdrm	hypo	CHH	-0.0948
Gm08	21214093	21215064	Gmdrm	hypo	CHH	-0.0183
Gm08	21224297	21225287	Gmdrm	hypo	CHH	-0.0473
Gm08	21226331	21227323	Gmdrm	hypo	CHH	-0.0633
Gm08	21229768	21230760	Gmdrm	hypo	CHH	-0.0791
Gm08	21242637	21242776	Gmdrm	hypo	CHH	-0.1419
Gm08	21246629	21247617	Gmdrm	hypo	CHH	-0.021
Gm08	21247631	21248616	Gmdrm	hypo	CHH	-0.0426

Gm08	21257249	21257326	Gmdrm	hypo	CHH	-0.0528
Gm08	21262644	21263618	Gmdrm	hypo	CHH	-0.0733
Gm08	21272671	21273671	Gmdrm	hypo	CHH	-0.0377
Gm08	21280110	21281105	Gmdrm	hypo	CHH	-0.0483
Gm08	21285537	21286326	Gmdrm	hypo	CHH	-0.1611
Gm08	21290577	21291350	Gmdrm	hypo	CHH	-0.1088
Gm08	21293487	21293972	Gmdrm	hypo	CHH	-0.0229
Gm08	21295505	21296505	Gmdrm	hypo	CHH	-0.0151
Gm08	21307316	21308315	Gmdrm	hypo	CHH	-0.0516
Gm08	21319387	21320387	Gmdrm	hypo	CHH	-0.0612
Gm08	21321410	21322404	Gmdrm	hypo	CHH	-0.0163
Gm08	21322425	21323414	Gmdrm	hypo	CHH	-0.0204
Gm08	21324432	21325095	Gmdrm	hypo	CHH	-0.0348
Gm08	21336388	21337387	Gmdrm	hypo	CHH	-0.0835
Gm08	21340361	21341166	Gmdrm	hypo	CHH	-0.0577
Gm08	21355541	21356540	Gmdrm	hypo	CHH	-0.0435
Gm08	21357293	21357345	Gmdrm	hypo	CHH	-0.1871
Gm08	21359085	21360084	Gmdrm	hypo	CHH	-0.0377
Gm08	21363102	21364098	Gmdrm	hypo	CHH	-0.0444
Gm08	21364468	21365452	Gmdrm	hypo	CHH	-0.0483
Gm08	21365486	21366472	Gmdrm	hypo	CHH	-0.054
Gm08	21366495	21367429	Gmdrm	hypo	CHH	-0.0358
Gm08	21369244	21370237	Gmdrm	hypo	CHH	-0.1787
Gm08	21372457	21373431	Gmdrm	hypo	CHH	-0.0208
Gm08	21384000	21384327	Gmdrm	hypo	CHH	-0.0431
Gm08	21385686	21386663	Gmdrm	hypo	CHH	-0.0781
Gm08	21387764	21388757	Gmdrm	hypo	CHH	-0.0606
Gm08	21388782	21389781	Gmdrm	hypo	CHH	-0.0441
Gm08	21389785	21390778	Gmdrm	hypo	CHH	-0.0759
Gm08	21399067	21399637	Gmdrm	hypo	CHH	-0.0452
Gm08	21400223	21400500	Gmdrm	hypo	CHH	-0.0407
Gm08	21400607	21401534	Gmdrm	hypo	CHH	-0.0155
Gm08	21406864	21407810	Gmdrm	hypo	CHH	-0.0209
Gm08	21416256	21417233	Gmdrm	hypo	CHH	-0.0488
Gm08	21417257	21418225	Gmdrm	hypo	CHH	-0.0352
Gm08	21427915	21428914	Gmdrm	hypo	CHH	-0.2415
Gm08	21428918	21429915	Gmdrm	hypo	CHH	-0.1799
Gm08	21429946	21430944	Gmdrm	hypo	CHH	-0.0906
Gm08	21430950	21431949	Gmdrm	hypo	CHH	-0.1015
Gm08	21433606	21434597	Gmdrm	hypo	CHH	-0.4133
Gm08	21440754	21441027	Gmdrm	hypo	CHH	-0.0205
Gm08	21458935	21459927	Gmdrm	hypo	CHH	-0.0173
Gm08	21459954	21460417	Gmdrm	hypo	CHH	-0.0229
Gm08	21464323	21465254	Gmdrm	hypo	CHH	-0.0112
Gm08	21468449	21469446	Gmdrm	hypo	CHH	-0.0335
Gm08	21474505	21475503	Gmdrm	hypo	CHH	-0.0406

Gm08	21480411	21481350	Gmdrm	hypo	CHH	-0.0175
Gm08	21483939	21484779	Gmdrm	hypo	CHH	-0.0276
Gm08	21487016	21488015	Gmdrm	hypo	CHH	-0.0503
Gm08	21488022	21489017	Gmdrm	hypo	CHH	-0.0216
Gm08	21496945	21497945	Gmdrm	hypo	CHH	-0.0369
Gm08	21511746	21512743	Gmdrm	hypo	CHH	-0.0531
Gm08	21512789	21513762	Gmdrm	hypo	CHH	-0.0463
Gm08	21527264	21528250	Gmdrm	hypo	CHH	-0.2395
Gm08	21540556	21541546	Gmdrm	hypo	CHH	-0.0495
Gm08	21544175	21544717	Gmdrm	hypo	CHH	-0.0388
Gm08	21545049	21546037	Gmdrm	hypo	CHH	-0.0126
Gm08	21555602	21556601	Gmdrm	hypo	CHH	-0.0181
Gm08	21568671	21569671	Gmdrm	hypo	CHH	-0.0333
Gm08	21569677	21570677	Gmdrm	hypo	CHH	-0.0774
Gm08	21570679	21571676	Gmdrm	hypo	CHH	-0.0825
Gm08	21578611	21579598	Gmdrm	hypo	CHH	-0.0108
Gm08	21584647	21585608	Gmdrm	hypo	CHH	-0.0715
Gm08	21589723	21590723	Gmdrm	hypo	CHH	-0.1207
Gm08	21610010	21611001	Gmdrm	hypo	CHH	-0.0401
Gm08	21611011	21611975	Gmdrm	hypo	CHH	-0.0226
Gm08	21620145	21621124	Gmdrm	hypo	CHH	-0.0273
Gm08	21621159	21622042	Gmdrm	hypo	CHH	-0.0216
Gm08	21625257	21626127	Gmdrm	hypo	CHH	-0.0512
Gm08	21626302	21627302	Gmdrm	hypo	CHH	-0.0771
Gm08	21627303	21628300	Gmdrm	hypo	CHH	-0.0297
Gm08	21634012	21634127	Gmdrm	hypo	CHH	-0.1815
Gm08	21634942	21635941	Gmdrm	hypo	CHH	-0.1008
Gm08	21646969	21647746	Gmdrm	hypo	CHH	-0.0426
Gm08	21661516	21662513	Gmdrm	hypo	CHH	-0.0451
Gm08	21710310	21710461	Gmdrm	hypo	CHH	-0.094
Gm08	21715764	21716762	Gmdrm	hypo	CHH	-0.0319
Gm08	21722501	21723488	Gmdrm	hypo	CHH	-0.1217
Gm08	21728570	21729556	Gmdrm	hypo	CHH	-0.1308
Gm08	21730986	21731920	Gmdrm	hypo	CHH	-0.2628
Gm08	21739633	21740549	Gmdrm	hypo	CHH	-0.0418
Gm08	21740943	21741929	Gmdrm	hypo	CHH	-0.0176
Gm08	21741956	21742948	Gmdrm	hypo	CHH	-0.0581
Gm08	21742957	21743956	Gmdrm	hypo	CHH	-0.0703
Gm08	21750014	21750960	Gmdrm	hypo	CHH	-0.0805
Gm08	21765570	21766505	Gmdrm	hypo	CHH	-0.0213
Gm08	21791838	21792784	Gmdrm	hypo	CHH	-0.0119
Gm08	21792876	21793746	Gmdrm	hypo	CHH	-0.0294
Gm08	21801042	21802035	Gmdrm	hypo	CHH	-0.1172
Gm08	21802442	21803430	Gmdrm	hypo	CHH	-0.1003
Gm08	21807947	21808945	Gmdrm	hypo	CHH	-0.0306
Gm08	21810006	21811006	Gmdrm	hypo	CHH	-0.0346

Gm08	21812016	21812686	Gmdrm	hypo	CHH	-0.0464
Gm08	21812823	21813821	Gmdrm	hypo	CHH	-0.0716
Gm08	21813825	21814143	Gmdrm	hypo	CHH	-0.06
Gm08	21820398	21821397	Gmdrm	hypo	CHH	-0.0417
Gm08	21837200	21838189	Gmdrm	hypo	CHH	-0.0152
Gm08	21840760	21841760	Gmdrm	hypo	CHH	-0.0238
Gm08	21842006	21843004	Gmdrm	hypo	CHH	-0.2275
Gm08	21843012	21844005	Gmdrm	hypo	CHH	-0.0115
Gm08	21845037	21845998	Gmdrm	hypo	CHH	-0.024
Gm08	21846056	21847048	Gmdrm	hypo	CHH	-0.0648
Gm08	21849474	21850289	Gmdrm	hypo	CHH	-0.0216
Gm08	21850556	21851453	Gmdrm	hypo	CHH	-0.0648
Gm08	21851730	21852727	Gmdrm	hypo	CHH	-0.0335
Gm08	21852731	21853730	Gmdrm	hypo	CHH	-0.0527
Gm08	21854184	21854924	Gmdrm	hypo	CHH	-0.0745
Gm08	21867758	21868758	Gmdrm	hypo	CHH	-0.0777
Gm08	21875778	21876748	Gmdrm	hypo	CHH	-0.1363
Gm08	21881971	21882968	Gmdrm	hypo	CHH	-0.0488
Gm08	21903568	21904556	Gmdrm	hypo	CHH	-0.0528
Gm08	21905341	21905618	Gmdrm	hypo	CHH	-0.03
Gm08	21907820	21908812	Gmdrm	hypo	CHH	-0.0357
Gm08	21908844	21909842	Gmdrm	hypo	CHH	-0.024
Gm08	21914529	21915514	Gmdrm	hypo	CHH	-0.3526
Gm08	21917551	21918526	Gmdrm	hypo	CHH	-0.0132
Gm08	21927031	21928019	Gmdrm	hypo	CHH	-0.0592
Gm08	21934499	21935499	Gmdrm	hypo	CHH	-0.2132
Gm08	21935500	21936074	Gmdrm	hypo	CHH	-0.0489
Gm08	21944295	21945283	Gmdrm	hypo	CHH	-0.0839
Gm08	21966632	21967623	Gmdrm	hypo	CHH	-0.1761
Gm08	21978055	21978728	Gmdrm	hypo	CHH	-0.0247
Gm08	21998357	21999351	Gmdrm	hypo	CHH	-0.0676
Gm08	22005298	22005859	Gmdrm	hypo	CHH	-0.0407
Gm08	22009834	22010828	Gmdrm	hypo	CHH	-0.0478
Gm08	22031643	22032639	Gmdrm	hypo	CHH	-0.0216
Gm08	22032650	22033648	Gmdrm	hypo	CHH	-0.015
Gm08	22039051	22039547	Gmdrm	hypo	CHH	-0.1008
Gm08	22039803	22040789	Gmdrm	hypo	CHH	-0.0138
Gm08	22061457	22061591	Gmdrm	hypo	CHH	-0.0225
Gm08	22070519	22071519	Gmdrm	hypo	CHH	-0.0202
Gm08	22092339	22093228	Gmdrm	hypo	CHH	-0.017
Gm08	22094495	22094739	Gmdrm	hypo	CHH	-0.0312
Gm08	22106726	22107726	Gmdrm	hypo	CHH	-0.0442
Gm08	22107733	22108716	Gmdrm	hypo	CHH	-0.0778
Gm08	22108785	22109770	Gmdrm	hypo	CHH	-0.0596
Gm08	22137740	22138324	Gmdrm	hypo	CHH	-0.0277
Gm08	22151992	22152977	Gmdrm	hypo	CHH	-0.0886

Gm08	22166955	22166970	Gmdrm	hypo	CHH	-0.26
Gm08	22185974	22186973	Gmdrm	hypo	CHH	-0.03
Gm08	22186976	22187939	Gmdrm	hypo	CHH	-0.0485
Gm08	22188009	22189009	Gmdrm	hypo	CHH	-0.0361
Gm08	22190024	22191019	Gmdrm	hypo	CHH	-0.0461
Gm08	22216253	22217251	Gmdrm	hypo	CHH	-0.0455
Gm08	22217258	22218257	Gmdrm	hypo	CHH	-0.1685
Gm08	22218286	22218907	Gmdrm	hypo	CHH	-0.0694
Gm08	22223140	22224140	Gmdrm	hypo	CHH	-0.0224
Gm08	22235391	22236357	Gmdrm	hypo	CHH	-0.1352
Gm08	22239405	22240403	Gmdrm	hypo	CHH	-0.0856
Gm08	22240420	22241419	Gmdrm	hypo	CHH	-0.0504
Gm08	22256459	22257454	Gmdrm	hypo	CHH	-0.0229
Gm08	22260789	22261776	Gmdrm	hypo	CHH	-0.0344
Gm08	22268933	22269232	Gmdrm	hypo	CHH	-0.1315
Gm08	22279641	22280016	Gmdrm	hypo	CHH	-0.0226
Gm08	22292324	22293320	Gmdrm	hypo	CHH	-0.2984
Gm08	22293328	22294326	Gmdrm	hypo	CHH	-0.1349
Gm08	22301180	22302176	Gmdrm	hypo	CHH	-0.0403
Gm08	22303598	22304583	Gmdrm	hypo	CHH	-0.0302
Gm08	22305305	22306303	Gmdrm	hypo	CHH	-0.198
Gm08	22308945	22309252	Gmdrm	hypo	CHH	-0.135
Gm08	22309551	22310544	Gmdrm	hypo	CHH	-0.0931
Gm08	22325598	22326561	Gmdrm	hypo	CHH	-0.0219
Gm08	22330839	22331838	Gmdrm	hypo	CHH	-0.022
Gm08	22331842	22332839	Gmdrm	hypo	CHH	-0.0847
Gm08	22332844	22333843	Gmdrm	hypo	CHH	-0.0714
Gm08	22333846	22334844	Gmdrm	hypo	CHH	-0.177
Gm08	22362098	22362544	Gmdrm	hypo	CHH	-0.1262
Gm08	22369693	22370693	Gmdrm	hypo	CHH	-0.035
Gm08	22370696	22371027	Gmdrm	hypo	CHH	-0.0278
Gm08	22371166	22371639	Gmdrm	hypo	CHH	-0.0247
Gm08	22373782	22374771	Gmdrm	hypo	CHH	-0.0134
Gm08	22407597	22408439	Gmdrm	hypo	CHH	-0.0448
Gm08	22425840	22426833	Gmdrm	hypo	CHH	-0.0261
Gm08	22426846	22427840	Gmdrm	hypo	CHH	-0.0498
Gm08	22444263	22445261	Gmdrm	hypo	CHH	-0.0636
Gm08	22445330	22446312	Gmdrm	hypo	CHH	-0.1429
Gm08	22446342	22447335	Gmdrm	hypo	CHH	-0.1863
Gm08	22452953	22453949	Gmdrm	hypo	CHH	-0.0331
Gm08	22482664	22483661	Gmdrm	hypo	CHH	-0.0151
Gm08	22483665	22484488	Gmdrm	hypo	CHH	-0.0408
Gm08	22488232	22489230	Gmdrm	hypo	CHH	-0.0186
Gm08	22494120	22495107	Gmdrm	hypo	CHH	-0.2947
Gm08	22495121	22495301	Gmdrm	hypo	CHH	-0.2018
Gm08	22495600	22495872	Gmdrm	hypo	CHH	-0.1037

Gm08	22496003	22497002	Gmdrm	hypo	CHH	-0.2568
Gm08	22497004	22497981	Gmdrm	hypo	CHH	-0.1147
Gm08	22503078	22504068	Gmdrm	hypo	CHH	-0.1593
Gm08	22530419	22531403	Gmdrm	hypo	CHH	-0.0393
Gm08	22537759	22538659	Gmdrm	hypo	CHH	-0.1652
Gm08	22540926	22541926	Gmdrm	hypo	CHH	-0.013
Gm08	22542438	22543431	Gmdrm	hypo	CHH	-0.1096
Gm08	22543448	22544442	Gmdrm	hypo	CHH	-0.0444
Gm08	22575103	22576057	Gmdrm	hypo	CHH	-0.1098
Gm08	22588789	22589721	Gmdrm	hypo	CHH	-0.0339
Gm08	22591740	22592737	Gmdrm	hypo	CHH	-0.0135
Gm08	22598445	22599397	Gmdrm	hypo	CHH	-0.0201
Gm08	22601269	22602260	Gmdrm	hypo	CHH	-0.044
Gm08	22603505	22604505	Gmdrm	hypo	CHH	-0.0722
Gm08	22604509	22605498	Gmdrm	hypo	CHH	-0.0219
Gm08	22627826	22628821	Gmdrm	hypo	CHH	-0.01
Gm08	22634119	22635118	Gmdrm	hypo	CHH	-0.0717
Gm08	22656900	22657298	Gmdrm	hypo	CHH	-0.0598
Gm08	22659928	22660906	Gmdrm	hypo	CHH	-0.0277
Gm08	22660944	22661936	Gmdrm	hypo	CHH	-0.0095
Gm08	22684244	22685223	Gmdrm	hypo	CHH	-0.1193
Gm08	22693690	22694214	Gmdrm	hypo	CHH	-0.083
Gm08	22694547	22695531	Gmdrm	hypo	CHH	-0.0553
Gm08	22695553	22696545	Gmdrm	hypo	CHH	-0.0567
Gm08	22696558	22697557	Gmdrm	hypo	CHH	-0.0586
Gm08	22702219	22703173	Gmdrm	hypo	CHH	-0.0406
Gm08	22708267	22709240	Gmdrm	hypo	CHH	-0.1317
Gm08	22711597	22712592	Gmdrm	hypo	CHH	-0.1091
Gm08	22741315	22742315	Gmdrm	hypo	CHH	-0.0376
Gm08	22743326	22744283	Gmdrm	hypo	CHH	-0.0839
Gm08	22750880	22751836	Gmdrm	hypo	CHH	-0.1106
Gm08	22829464	22830150	Gmdrm	hypo	CHH	-0.0624
Gm08	22833406	22833870	Gmdrm	hypo	CHH	-0.0165
Gm08	22836005	22837003	Gmdrm	hypo	CHH	-0.0433
Gm08	22846153	22847133	Gmdrm	hypo	CHH	-0.0354
Gm08	22848205	22849191	Gmdrm	hypo	CHH	-0.0196
Gm08	22859604	22860551	Gmdrm	hypo	CHH	-0.0418
Gm08	22927994	22928285	Gmdrm	hypo	CHH	-0.0672
Gm08	22930859	22931857	Gmdrm	hypo	CHH	-0.0194
Gm08	22935892	22936891	Gmdrm	hypo	CHH	-0.0147
Gm08	22940762	22941634	Gmdrm	hypo	CHH	-0.0172
Gm08	22944256	22945249	Gmdrm	hypo	CHH	-0.0119
Gm08	22948984	22949950	Gmdrm	hypo	CHH	-0.0125
Gm08	22951998	22952980	Gmdrm	hypo	CHH	-0.0408
Gm08	22953018	22954010	Gmdrm	hypo	CHH	-0.0607
Gm08	22954027	22954964	Gmdrm	hypo	CHH	-0.0281

Gm08	22955513	22956513	Gmdrm	hypo	CHH	-0.1605
Gm08	22956519	22957515	Gmdrm	hypo	CHH	-0.0817
Gm08	22962820	22963787	Gmdrm	hypo	CHH	-0.0323
Gm08	23011901	23012889	Gmdrm	hypo	CHH	-0.0488
Gm08	23012905	23013653	Gmdrm	hypo	CHH	-0.156
Gm08	23019871	23020870	Gmdrm	hypo	CHH	-0.0128
Gm08	23071730	23072729	Gmdrm	hypo	CHH	-0.0557
Gm08	23075111	23076068	Gmdrm	hypo	CHH	-0.0175
Gm08	23076494	23077189	Gmdrm	hypo	CHH	-0.0696
Gm08	23094931	23095927	Gmdrm	hypo	CHH	-0.053
Gm08	23095946	23096937	Gmdrm	hypo	CHH	-0.0129
Gm08	23097008	23098006	Gmdrm	hypo	CHH	-0.0425
Gm08	23145808	23146776	Gmdrm	hypo	CHH	-0.0153
Gm08	23162767	23163364	Gmdrm	hypo	CHH	-0.0227
Gm08	23163506	23164489	Gmdrm	hypo	CHH	-0.022
Gm08	23178555	23179548	Gmdrm	hypo	CHH	-0.1216
Gm08	23179853	23180853	Gmdrm	hypo	CHH	-0.0502
Gm08	23180868	23181380	Gmdrm	hypo	CHH	-0.1731
Gm08	23185859	23186847	Gmdrm	hypo	CHH	-0.015
Gm08	23187887	23188883	Gmdrm	hypo	CHH	-0.1725
Gm08	23188902	23189894	Gmdrm	hypo	CHH	-0.0392
Gm08	23206019	23207019	Gmdrm	hypo	CHH	-0.0225
Gm08	23222077	23223033	Gmdrm	hypo	CHH	-0.0154
Gm08	23225912	23226608	Gmdrm	hypo	CHH	-0.0534
Gm08	23229056	23229592	Gmdrm	hypo	CHH	-0.0203
Gm08	23231724	23232451	Gmdrm	hypo	CHH	-0.03
Gm08	23236438	23237430	Gmdrm	hypo	CHH	-0.1585
Gm08	23237443	23238435	Gmdrm	hypo	CHH	-0.1651
Gm08	23252627	23253554	Gmdrm	hypo	CHH	-0.0112
Gm08	23253649	23254337	Gmdrm	hypo	CHH	-0.0156
Gm08	23264505	23265085	Gmdrm	hypo	CHH	-0.0214
Gm08	23265199	23266174	Gmdrm	hypo	CHH	-0.1005
Gm08	23266208	23267207	Gmdrm	hypo	CHH	-0.0328
Gm08	23270215	23271204	Gmdrm	hypo	CHH	-0.0564
Gm08	23283848	23284630	Gmdrm	hypo	CHH	-0.0612
Gm08	23311869	23312867	Gmdrm	hypo	CHH	-0.1805
Gm08	23312870	23313824	Gmdrm	hypo	CHH	-0.018
Gm08	23325815	23326785	Gmdrm	hypo	CHH	-0.0709
Gm08	23326817	23327804	Gmdrm	hypo	CHH	-0.0184
Gm08	23327835	23328833	Gmdrm	hypo	CHH	-0.0294
Gm08	23341671	23342668	Gmdrm	hypo	CHH	-0.0124
Gm08	23346023	23347014	Gmdrm	hypo	CHH	-0.046
Gm08	23361837	23362401	Gmdrm	hypo	CHH	-0.0387
Gm08	23363568	23364560	Gmdrm	hypo	CHH	-0.0273
Gm08	23365588	23366578	Gmdrm	hypo	CHH	-0.0729
Gm08	23366589	23367499	Gmdrm	hypo	CHH	-0.0327

Gm08	23381981	23382446	Gmdrm	hypo	CHH	-0.025
Gm08	23437196	23438195	Gmdrm	hypo	CHH	-0.0999
Gm08	23472597	23473584	Gmdrm	hypo	CHH	-0.0393
Gm08	23473626	23474625	Gmdrm	hypo	CHH	-0.0314
Gm08	23474635	23475628	Gmdrm	hypo	CHH	-0.0455
Gm08	23482051	23483036	Gmdrm	hypo	CHH	-0.0145
Gm08	23485757	23485931	Gmdrm	hypo	CHH	-0.0573
Gm08	23487990	23488185	Gmdrm	hypo	CHH	-0.073
Gm08	23490410	23491407	Gmdrm	hypo	CHH	-0.0794
Gm08	23491413	23491655	Gmdrm	hypo	CHH	-0.115
Gm08	23502494	23503449	Gmdrm	hypo	CHH	-0.047
Gm08	23514981	23515448	Gmdrm	hypo	CHH	-0.0241
Gm08	23523606	23524599	Gmdrm	hypo	CHH	-0.0296
Gm08	23528918	23529888	Gmdrm	hypo	CHH	-0.131
Gm08	23530961	23531715	Gmdrm	hypo	CHH	-0.1278
Gm08	23540357	23540946	Gmdrm	hypo	CHH	-0.0846
Gm08	23541056	23542056	Gmdrm	hypo	CHH	-0.0668
Gm08	23542057	23543055	Gmdrm	hypo	CHH	-0.0471
Gm08	23543061	23544061	Gmdrm	hypo	CHH	-0.2048
Gm08	23544070	23544188	Gmdrm	hypo	CHH	-0.28
Gm08	23558842	23559836	Gmdrm	hypo	CHH	-0.0824
Gm08	23620617	23621607	Gmdrm	hypo	CHH	-0.1173
Gm08	23622174	23623139	Gmdrm	hypo	CHH	-0.0494
Gm08	23637222	23638222	Gmdrm	hypo	CHH	-0.021
Gm08	23646255	23647233	Gmdrm	hypo	CHH	-0.1052
Gm08	23647260	23648260	Gmdrm	hypo	CHH	-0.0329
Gm08	23648271	23649266	Gmdrm	hypo	CHH	-0.0448
Gm08	23682637	23683634	Gmdrm	hypo	CHH	-0.0191
Gm08	23683639	23684635	Gmdrm	hypo	CHH	-0.0107
Gm08	23684684	23685683	Gmdrm	hypo	CHH	-0.132
Gm08	23688716	23689697	Gmdrm	hypo	CHH	-0.0347
Gm08	23696318	23697316	Gmdrm	hypo	CHH	-0.0285
Gm08	23703531	23704521	Gmdrm	hypo	CHH	-0.0202
Gm08	23708571	23709569	Gmdrm	hypo	CHH	-0.0169
Gm08	23710854	23711853	Gmdrm	hypo	CHH	-0.0527
Gm08	23727680	23727700	Gmdrm	hypo	CHH	-0.2
Gm08	23840060	23841039	Gmdrm	hypo	CHH	-0.0356
Gm08	23844005	23844702	Gmdrm	hypo	CHH	-0.0363
Gm08	23904106	23905105	Gmdrm	hypo	CHH	-0.0489
Gm08	23946726	23947704	Gmdrm	hypo	CHH	-0.116
Gm08	23954084	23955083	Gmdrm	hypo	CHH	-0.057
Gm08	23990189	23991154	Gmdrm	hypo	CHH	-0.0126
Gm08	24225955	24226942	Gmdrm	hypo	CHH	-0.0297
Gm08	24353628	24354062	Gmdrm	hypo	CHH	-0.0844
Gm08	24554170	24554192	Gmdrm	hypo	CHH	-0.28
Gm08	24705758	24706752	Gmdrm	hypo	CHH	-0.2718

Gm08	24910681	24910727	Gmdrm	hypo	CHH	-0.192
Gm08	25138721	25139720	Gmdrm	hypo	CHH	-0.0189
Gm08	25181939	25182907	Gmdrm	hypo	CHH	-0.0403
Gm08	25185936	25186070	Gmdrm	hypo	CHH	-0.0457
Gm08	25187710	25188703	Gmdrm	hypo	CHH	-0.0719
Gm08	25188715	25189691	Gmdrm	hypo	CHH	-0.0635
Gm08	25302383	25303381	Gmdrm	hypo	CHH	-0.0471
Gm08	25388686	25389672	Gmdrm	hypo	CHH	-0.0784
Gm08	25674139	25675119	Gmdrm	hypo	CHH	-0.0328
Gm08	25792571	25793552	Gmdrm	hypo	CHH	-0.0076
Gm08	25805333	25806323	Gmdrm	hypo	CHH	-0.0174
Gm08	25806771	25807760	Gmdrm	hypo	CHH	-0.0514
Gm08	26135875	26136870	Gmdrm	hypo	CHH	-0.075
Gm08	26651209	26651238	Gmdrm	hypo	CHH	-0.2112
Gm08	26749432	26750389	Gmdrm	hypo	CHH	-0.0214
Gm08	26751915	26752452	Gmdrm	hypo	CHH	-0.0308
Gm08	27202657	27203649	Gmdrm	hypo	CHH	-0.0485
Gm08	27251815	27251870	Gmdrm	hypo	CHH	-0.162
Gm08	27297890	27298890	Gmdrm	hypo	CHH	-0.0743
Gm08	27298892	27299846	Gmdrm	hypo	CHH	-0.1389
Gm08	27308961	27309507	Gmdrm	hypo	CHH	-0.0619
Gm08	27309634	27310625	Gmdrm	hypo	CHH	-0.1066
Gm08	27310635	27311630	Gmdrm	hypo	CHH	-0.0349
Gm08	27377831	27378819	Gmdrm	hypo	CHH	-0.0559
Gm08	27446528	27447526	Gmdrm	hypo	CHH	-0.0303
Gm08	27580849	27580937	Gmdrm	hypo	CHH	-0.1783
Gm08	27900237	27901228	Gmdrm	hypo	CHH	-0.052
Gm08	27971825	27972141	Gmdrm	hypo	CHH	-0.1124
Gm08	28198491	28199472	Gmdrm	hypo	CHH	-0.0252
Gm08	28207528	28208523	Gmdrm	hypo	CHH	-0.0335
Gm08	28210660	28210744	Gmdrm	hypo	CHH	-0.1317
Gm08	28349726	28350699	Gmdrm	hypo	CHH	-0.0661
Gm08	28414312	28414353	Gmdrm	hypo	CHH	-0.048
Gm08	28417477	28418466	Gmdrm	hypo	CHH	-0.0948
Gm08	28450536	28451499	Gmdrm	hypo	CHH	-0.0276
Gm08	28452581	28453339	Gmdrm	hypo	CHH	-0.0468
Gm08	28599861	28600854	Gmdrm	hypo	CHH	-0.0269
Gm08	28618297	28618666	Gmdrm	hypo	CHH	-0.0574
Gm08	28621250	28622239	Gmdrm	hypo	CHH	-0.0353
Gm08	28639835	28640833	Gmdrm	hypo	CHH	-0.0697
Gm08	28640844	28641839	Gmdrm	hypo	CHH	-0.0744
Gm08	28641864	28642174	Gmdrm	hypo	CHH	-0.0582
Gm08	28642550	28643547	Gmdrm	hypo	CHH	-0.0651
Gm08	28652286	28653282	Gmdrm	hypo	CHH	-0.0345
Gm08	28659329	28660327	Gmdrm	hypo	CHH	-0.0519
Gm08	28822889	28822948	Gmdrm	hypo	CHH	-0.2

Gm08	28865044	28866022	Gmdrm	hypo	CHH	-0.0756
Gm08	28867076	28868070	Gmdrm	hypo	CHH	-0.1639
Gm08	28875412	28876070	Gmdrm	hypo	CHH	-0.1205
Gm08	29013162	29014125	Gmdrm	hypo	CHH	-0.0172
Gm08	29018134	29019133	Gmdrm	hypo	CHH	-0.0371
Gm08	29019135	29019590	Gmdrm	hypo	CHH	-0.072
Gm08	29031814	29032077	Gmdrm	hypo	CHH	-0.0804
Gm08	29032267	29033262	Gmdrm	hypo	CHH	-0.023
Gm08	29051034	29052031	Gmdrm	hypo	CHH	-0.1206
Gm08	29052037	29052477	Gmdrm	hypo	CHH	-0.1223
Gm08	29140630	29141332	Gmdrm	hypo	CHH	-0.0914
Gm08	29148445	29148784	Gmdrm	hypo	CHH	-0.0212
Gm08	29218508	29218885	Gmdrm	hypo	CHH	-0.1338
Gm08	29278619	29279612	Gmdrm	hypo	CHH	-0.0624
Gm08	29307494	29308494	Gmdrm	hypo	CHH	-0.0716
Gm08	29316927	29317923	Gmdrm	hypo	CHH	-0.0465
Gm08	29350047	29350510	Gmdrm	hypo	CHH	-0.0277
Gm08	29350640	29350722	Gmdrm	hypo	CHH	-0.036
Gm08	29547706	29548702	Gmdrm	hypo	CHH	-0.0573
Gm08	29756138	29757135	Gmdrm	hypo	CHH	-0.0214
Gm08	29772852	29773843	Gmdrm	hypo	CHH	-0.0154
Gm08	29813522	29814508	Gmdrm	hypo	CHH	-0.0692
Gm08	29869026	29869323	Gmdrm	hypo	CHH	-0.1185
Gm08	29878170	29879156	Gmdrm	hypo	CHH	-0.0366
Gm08	29879214	29880210	Gmdrm	hypo	CHH	-0.0145
Gm08	29900697	29900761	Gmdrm	hypo	CHH	-0.343
Gm08	29929167	29930151	Gmdrm	hypo	CHH	-0.0618
Gm08	29932251	29933244	Gmdrm	hypo	CHH	-0.0301
Gm08	30050391	30051379	Gmdrm	hypo	CHH	-0.0397
Gm08	30054453	30055449	Gmdrm	hypo	CHH	-0.04
Gm08	30058178	30058461	Gmdrm	hypo	CHH	-0.084
Gm08	30091851	30092581	Gmdrm	hypo	CHH	-0.0258
Gm08	30096545	30097533	Gmdrm	hypo	CHH	-0.0259
Gm08	30097552	30098535	Gmdrm	hypo	CHH	-0.016
Gm08	30159374	30160354	Gmdrm	hypo	CHH	-0.0298
Gm08	30167705	30168261	Gmdrm	hypo	CHH	-0.0686
Gm08	30186410	30187406	Gmdrm	hypo	CHH	-0.0564
Gm08	30470933	30471187	Gmdrm	hypo	CHH	-0.1046
Gm08	30476205	30476376	Gmdrm	hypo	CHH	-0.0927
Gm08	30539700	30540680	Gmdrm	hypo	CHH	-0.03
Gm08	30914759	30915748	Gmdrm	hypo	CHH	-0.0139
Gm08	30917379	30918354	Gmdrm	hypo	CHH	-0.0206
Gm08	30950966	30951966	Gmdrm	hypo	CHH	-0.1469
Gm08	30956518	30957514	Gmdrm	hypo	CHH	-0.0389
Gm08	31270519	31271507	Gmdrm	hypo	CHH	-0.0584
Gm08	31294618	31295593	Gmdrm	hypo	CHH	-0.0342

Gm08	31296000	31296964	Gmdrm	hypo	CHH	-0.0275
Gm08	31297470	31297760	Gmdrm	hypo	CHH	-0.0385
Gm08	31360612	31360846	Gmdrm	hypo	CHH	-0.2046
Gm08	31430119	31431117	Gmdrm	hypo	CHH	-0.0468
Gm08	31755313	31755615	Gmdrm	hypo	CHH	-0.0685
Gm08	31756130	31757130	Gmdrm	hypo	CHH	-0.0231
Gm08	31843708	31844702	Gmdrm	hypo	CHH	-0.0231
Gm08	31856847	31857847	Gmdrm	hypo	CHH	-0.0743
Gm08	31859936	31860911	Gmdrm	hypo	CHH	-0.0277
Gm08	31864890	31865467	Gmdrm	hypo	CHH	-0.0278
Gm08	32206666	32206800	Gmdrm	hypo	CHH	-0.1408
Gm08	32532696	32533686	Gmdrm	hypo	CHH	-0.0466
Gm08	32614764	32614867	Gmdrm	hypo	CHH	-0.1642
Gm08	32670474	32671457	Gmdrm	hypo	CHH	-0.0311
Gm08	32671480	32671799	Gmdrm	hypo	CHH	-0.0288
Gm08	32675085	32676083	Gmdrm	hypo	CHH	-0.0275
Gm08	32696344	32697335	Gmdrm	hypo	CHH	-0.0518
Gm08	32723278	32724275	Gmdrm	hypo	CHH	-0.1804
Gm08	32730709	32731703	Gmdrm	hypo	CHH	-0.0861
Gm08	32731710	32732675	Gmdrm	hypo	CHH	-0.0564
Gm08	32742087	32743079	Gmdrm	hypo	CHH	-0.0333
Gm08	32747606	32748596	Gmdrm	hypo	CHH	-0.0288
Gm08	32765836	32766835	Gmdrm	hypo	CHH	-0.061
Gm08	32766837	32767793	Gmdrm	hypo	CHH	-0.06
Gm08	32769504	32769573	Gmdrm	hypo	CHH	-0.1086
Gm08	32779678	32780675	Gmdrm	hypo	CHH	-0.0321
Gm08	32780680	32781667	Gmdrm	hypo	CHH	-0.0847
Gm08	32806631	32807607	Gmdrm	hypo	CHH	-0.0938
Gm08	32807660	32808660	Gmdrm	hypo	CHH	-0.0406
Gm08	32808667	32809639	Gmdrm	hypo	CHH	-0.0496
Gm08	32809671	32810654	Gmdrm	hypo	CHH	-0.1375
Gm08	32811692	32812468	Gmdrm	hypo	CHH	-0.1492
Gm08	32830918	32831913	Gmdrm	hypo	CHH	-0.0536
Gm08	32972151	32972917	Gmdrm	hypo	CHH	-0.0223
Gm08	32973026	32973704	Gmdrm	hypo	CHH	-0.0227
Gm08	32976903	32977897	Gmdrm	hypo	CHH	-0.0945
Gm08	33096535	33096767	Gmdrm	hypo	CHH	-0.1292
Gm08	33223671	33224658	Gmdrm	hypo	CHH	-0.0337
Gm08	33235708	33235908	Gmdrm	hypo	CHH	-0.065
Gm08	33415965	33416954	Gmdrm	hypo	CHH	-0.0162
Gm08	33416989	33417987	Gmdrm	hypo	CHH	-0.0378
Gm08	33485334	33486329	Gmdrm	hypo	CHH	-0.0897
Gm08	33597021	33597080	Gmdrm	hypo	CHH	-0.0775
Gm08	33599346	33600346	Gmdrm	hypo	CHH	-0.0548
Gm08	33608889	33609486	Gmdrm	hypo	CHH	-0.0764
Gm08	33609587	33610215	Gmdrm	hypo	CHH	-0.1389

Gm08	33615658	33616656	Gmdrm	hypo	CHH	-0.0425
Gm08	33616660	33617285	Gmdrm	hypo	CHH	-0.0297
Gm08	33627919	33628898	Gmdrm	hypo	CHH	-0.0477
Gm08	33628926	33629908	Gmdrm	hypo	CHH	-0.057
Gm08	33632002	33632990	Gmdrm	hypo	CHH	-0.0754
Gm08	33656664	33657664	Gmdrm	hypo	CHH	-0.02
Gm08	33907141	33907650	Gmdrm	hypo	CHH	-0.0608
Gm08	33954805	33954930	Gmdrm	hypo	CHH	-0.26
Gm08	33958516	33958981	Gmdrm	hypo	CHH	-0.0286
Gm08	34004187	34005172	Gmdrm	hypo	CHH	-0.207
Gm08	34006701	34007701	Gmdrm	hypo	CHH	-0.0796
Gm08	34025081	34026081	Gmdrm	hypo	CHH	-0.0364
Gm08	34026086	34027073	Gmdrm	hypo	CHH	-0.0579
Gm08	34068483	34069456	Gmdrm	hypo	CHH	-0.0263
Gm08	34104795	34105793	Gmdrm	hypo	CHH	-0.1053
Gm08	34122283	34123279	Gmdrm	hypo	CHH	-0.0368
Gm08	34123286	34124258	Gmdrm	hypo	CHH	-0.0165
Gm08	34125760	34126753	Gmdrm	hypo	CHH	-0.0828
Gm08	34126767	34127759	Gmdrm	hypo	CHH	-0.0407
Gm08	34127770	34128763	Gmdrm	hypo	CHH	-0.0488
Gm08	34128771	34129767	Gmdrm	hypo	CHH	-0.038
Gm08	34130778	34131775	Gmdrm	hypo	CHH	-0.1158
Gm08	34131780	34132779	Gmdrm	hypo	CHH	-0.0739
Gm08	34132782	34133782	Gmdrm	hypo	CHH	-0.0906
Gm08	34134236	34134918	Gmdrm	hypo	CHH	-0.0304
Gm08	34142922	34143915	Gmdrm	hypo	CHH	-0.0199
Gm08	34143924	34144899	Gmdrm	hypo	CHH	-0.0415
Gm08	34149830	34150813	Gmdrm	hypo	CHH	-0.0533
Gm08	34150839	34151836	Gmdrm	hypo	CHH	-0.0185
Gm08	34151843	34152841	Gmdrm	hypo	CHH	-0.0359
Gm08	34152844	34153828	Gmdrm	hypo	CHH	-0.0825
Gm08	34162165	34163163	Gmdrm	hypo	CHH	-0.0498
Gm08	34169419	34170405	Gmdrm	hypo	CHH	-0.0543
Gm08	34170420	34171419	Gmdrm	hypo	CHH	-0.0475
Gm08	34217705	34218697	Gmdrm	hypo	CHH	-0.0608
Gm08	34225957	34226706	Gmdrm	hypo	CHH	-0.1143
Gm08	34277834	34278825	Gmdrm	hypo	CHH	-0.0111
Gm08	34278862	34279857	Gmdrm	hypo	CHH	-0.0209
Gm08	34280336	34281333	Gmdrm	hypo	CHH	-0.0295
Gm08	34306475	34307475	Gmdrm	hypo	CHH	-0.0513
Gm08	34344950	34345949	Gmdrm	hypo	CHH	-0.0492
Gm08	34346955	34347926	Gmdrm	hypo	CHH	-0.0162
Gm08	34347957	34348948	Gmdrm	hypo	CHH	-0.0827
Gm08	34348966	34349632	Gmdrm	hypo	CHH	-0.2408
Gm08	34359659	34359785	Gmdrm	hypo	CHH	-0.0633
Gm08	34378862	34379859	Gmdrm	hypo	CHH	-0.0206

Gm08	34384124	34385119	Gmdrm	hypo	CHH	-0.04
Gm08	34390612	34391597	Gmdrm	hypo	CHH	-0.0202
Gm08	34394911	34395907	Gmdrm	hypo	CHH	-0.0199
Gm08	34397776	34398771	Gmdrm	hypo	CHH	-0.0425
Gm08	34498409	34499395	Gmdrm	hypo	CHH	-0.0182
Gm08	34502190	34503187	Gmdrm	hypo	CHH	-0.0483
Gm08	34503194	34504164	Gmdrm	hypo	CHH	-0.0213
Gm08	34506243	34507243	Gmdrm	hypo	CHH	-0.0367
Gm08	34526099	34526366	Gmdrm	hypo	CHH	-0.0308
Gm08	34536609	34537605	Gmdrm	hypo	CHH	-0.0536
Gm08	34553800	34554795	Gmdrm	hypo	CHH	-0.1863
Gm08	34554801	34555800	Gmdrm	hypo	CHH	-0.0473
Gm08	34555802	34556800	Gmdrm	hypo	CHH	-0.0374
Gm08	34556803	34557798	Gmdrm	hypo	CHH	-0.0289
Gm08	34560653	34561629	Gmdrm	hypo	CHH	-0.0256
Gm08	34566936	34567934	Gmdrm	hypo	CHH	-0.1181
Gm08	34568955	34569951	Gmdrm	hypo	CHH	-0.0612
Gm08	34697758	34698089	Gmdrm	hypo	CHH	-0.0306
Gm08	34701538	34702094	Gmdrm	hypo	CHH	-0.0391
Gm08	34705202	34705859	Gmdrm	hypo	CHH	-0.1674
Gm08	34747862	34748845	Gmdrm	hypo	CHH	-0.0095
Gm08	34753897	34754893	Gmdrm	hypo	CHH	-0.0755
Gm08	34754904	34755904	Gmdrm	hypo	CHH	-0.0468
Gm08	34781225	34781272	Gmdrm	hypo	CHH	-0.2815
Gm08	34796491	34797477	Gmdrm	hypo	CHH	-0.0274
Gm08	34797498	34798068	Gmdrm	hypo	CHH	-0.1088
Gm08	34827662	34828662	Gmdrm	hypo	CHH	-0.0722
Gm08	34828664	34829646	Gmdrm	hypo	CHH	-0.0302
Gm08	34831406	34832404	Gmdrm	hypo	CHH	-0.039
Gm08	34841663	34842662	Gmdrm	hypo	CHH	-0.0323
Gm08	34843150	34844140	Gmdrm	hypo	CHH	-0.0567
Gm08	34844169	34844716	Gmdrm	hypo	CHH	-0.0144
Gm08	34846864	34847807	Gmdrm	hypo	CHH	-0.0165
Gm08	34849682	34850511	Gmdrm	hypo	CHH	-0.0581
Gm08	34878272	34879271	Gmdrm	hypo	CHH	-0.0366
Gm08	34882326	34883313	Gmdrm	hypo	CHH	-0.0676
Gm08	34883339	34884232	Gmdrm	hypo	CHH	-0.0383
Gm08	34885131	34885943	Gmdrm	hypo	CHH	-0.0242
Gm08	34913321	34913626	Gmdrm	hypo	CHH	-0.0477
Gm08	34913913	34914841	Gmdrm	hypo	CHH	-0.0176
Gm08	34923601	34924600	Gmdrm	hypo	CHH	-0.073
Gm08	34924603	34925600	Gmdrm	hypo	CHH	-0.2274
Gm08	34938669	34939653	Gmdrm	hypo	CHH	-0.0545
Gm08	34974898	34975898	Gmdrm	hypo	CHH	-0.1092
Gm08	34976909	34977772	Gmdrm	hypo	CHH	-0.0466
Gm08	34978123	34979115	Gmdrm	hypo	CHH	-0.0265

Gm08	34979140	34979545	Gmdrm	hypo	CHH	-0.0336
Gm08	34981672	34982671	Gmdrm	hypo	CHH	-0.0705
Gm08	34982682	34983681	Gmdrm	hypo	CHH	-0.1017
Gm08	34983684	34984624	Gmdrm	hypo	CHH	-0.0737
Gm08	34986452	34987452	Gmdrm	hypo	CHH	-0.1191
Gm08	34993405	34994404	Gmdrm	hypo	CHH	-0.0707
Gm08	34994414	34995408	Gmdrm	hypo	CHH	-0.0424
Gm08	34995422	34996421	Gmdrm	hypo	CHH	-0.0407
Gm08	34996425	34997422	Gmdrm	hypo	CHH	-0.0622
Gm08	35015830	35016830	Gmdrm	hypo	CHH	-0.0418
Gm08	35016832	35016965	Gmdrm	hypo	CHH	-0.1142
Gm08	35017087	35018059	Gmdrm	hypo	CHH	-0.1155
Gm08	35018094	35019054	Gmdrm	hypo	CHH	-0.0848
Gm08	35020121	35020217	Gmdrm	hypo	CHH	-0.023
Gm08	35027513	35028510	Gmdrm	hypo	CHH	-0.0341
Gm08	35035201	35036195	Gmdrm	hypo	CHH	-0.0391
Gm08	35047213	35048211	Gmdrm	hypo	CHH	-0.0171
Gm08	35048217	35049198	Gmdrm	hypo	CHH	-0.054
Gm08	35059049	35060045	Gmdrm	hypo	CHH	-0.0484
Gm08	35060052	35061051	Gmdrm	hypo	CHH	-0.0431
Gm08	35061062	35062059	Gmdrm	hypo	CHH	-0.0422
Gm08	35079279	35080255	Gmdrm	hypo	CHH	-0.0241
Gm08	35085566	35086555	Gmdrm	hypo	CHH	-0.0202
Gm08	35094512	35095496	Gmdrm	hypo	CHH	-0.1132
Gm08	35095514	35096512	Gmdrm	hypo	CHH	-0.0548
Gm08	35101146	35102143	Gmdrm	hypo	CHH	-0.1019
Gm08	35108220	35109216	Gmdrm	hypo	CHH	-0.0957
Gm08	35110883	35111882	Gmdrm	hypo	CHH	-0.3233
Gm08	35111887	35112877	Gmdrm	hypo	CHH	-0.1501
Gm08	35112889	35113361	Gmdrm	hypo	CHH	-0.0339
Gm08	35114515	35114789	Gmdrm	hypo	CHH	-0.0391
Gm08	35114926	35115885	Gmdrm	hypo	CHH	-0.0534
Gm08	35115941	35116457	Gmdrm	hypo	CHH	-0.1247
Gm08	35127075	35128054	Gmdrm	hypo	CHH	-0.0642
Gm08	35133664	35134644	Gmdrm	hypo	CHH	-0.057
Gm08	35145000	35145999	Gmdrm	hypo	CHH	-0.0393
Gm08	35150836	35151799	Gmdrm	hypo	CHH	-0.0156
Gm08	35179050	35179558	Gmdrm	hypo	CHH	-0.0585
Gm08	35184459	35185455	Gmdrm	hypo	CHH	-0.0694
Gm08	35185468	35186468	Gmdrm	hypo	CHH	-0.0746
Gm08	35226633	35227633	Gmdrm	hypo	CHH	-0.0227
Gm08	35232998	35233064	Gmdrm	hypo	CHH	-0.15
Gm08	35251018	35252015	Gmdrm	hypo	CHH	-0.0337
Gm08	35311160	35312107	Gmdrm	hypo	CHH	-0.0582
Gm08	35355959	35356339	Gmdrm	hypo	CHH	-0.1081
Gm08	35365377	35365713	Gmdrm	hypo	CHH	-0.0266

Gm08	35370124	35371120	Gmdrm	hypo	CHH	-0.0108
Gm08	35371127	35371476	Gmdrm	hypo	CHH	-0.0221
Gm08	35372117	35373107	Gmdrm	hypo	CHH	-0.0603
Gm08	35373123	35374123	Gmdrm	hypo	CHH	-0.1072
Gm08	35393604	35394564	Gmdrm	hypo	CHH	-0.1372
Gm08	35394609	35395605	Gmdrm	hypo	CHH	-0.0745
Gm08	35408722	35409720	Gmdrm	hypo	CHH	-0.0568
Gm08	35414041	35414245	Gmdrm	hypo	CHH	-0.0282
Gm08	35415366	35416351	Gmdrm	hypo	CHH	-0.0129
Gm08	35452246	35453244	Gmdrm	hypo	CHH	-0.0359
Gm08	35453250	35454243	Gmdrm	hypo	CHH	-0.0197
Gm08	35455262	35456185	Gmdrm	hypo	CHH	-0.0309
Gm08	35479159	35480151	Gmdrm	hypo	CHH	-0.0187
Gm08	35480161	35481159	Gmdrm	hypo	CHH	-0.0243
Gm08	35510397	35511378	Gmdrm	hypo	CHH	-0.0187
Gm08	35511409	35512408	Gmdrm	hypo	CHH	-0.0822
Gm08	35512412	35513289	Gmdrm	hypo	CHH	-0.0898
Gm08	35516649	35517644	Gmdrm	hypo	CHH	-0.0267
Gm08	35555036	35556035	Gmdrm	hypo	CHH	-0.0321
Gm08	35621180	35622178	Gmdrm	hypo	CHH	-0.0457
Gm08	35629008	35629991	Gmdrm	hypo	CHH	-0.027
Gm08	35635267	35636252	Gmdrm	hypo	CHH	-0.0336
Gm08	35636273	35637269	Gmdrm	hypo	CHH	-0.0486
Gm08	35637276	35638275	Gmdrm	hypo	CHH	-0.1768
Gm08	35638277	35639253	Gmdrm	hypo	CHH	-0.3239
Gm08	35650119	35650334	Gmdrm	hypo	CHH	-0.2757
Gm08	35651995	35652995	Gmdrm	hypo	CHH	-0.0563
Gm08	35652996	35653879	Gmdrm	hypo	CHH	-0.0403
Gm08	35694794	35695329	Gmdrm	hypo	CHH	-0.1021
Gm08	35697046	35698015	Gmdrm	hypo	CHH	-0.0317
Gm08	35699085	35699310	Gmdrm	hypo	CHH	-0.1043
Gm08	35703070	35703279	Gmdrm	hypo	CHH	-0.0579
Gm08	35705067	35705880	Gmdrm	hypo	CHH	-0.0165
Gm08	35706121	35707074	Gmdrm	hypo	CHH	-0.0225
Gm08	35721773	35722773	Gmdrm	hypo	CHH	-0.0483
Gm08	35786075	35787063	Gmdrm	hypo	CHH	-0.1167
Gm08	35789241	35790229	Gmdrm	hypo	CHH	-0.0138
Gm08	35805787	35806787	Gmdrm	hypo	CHH	-0.029
Gm08	35806801	35807793	Gmdrm	hypo	CHH	-0.0343
Gm08	35812904	35813894	Gmdrm	hypo	CHH	-0.0186
Gm08	35814788	35815786	Gmdrm	hypo	CHH	-0.0836
Gm08	35815790	35816790	Gmdrm	hypo	CHH	-0.0627
Gm08	35816823	35817009	Gmdrm	hypo	CHH	-0.072
Gm08	35837488	35837804	Gmdrm	hypo	CHH	-0.0794
Gm08	35839008	35840000	Gmdrm	hypo	CHH	-0.0333
Gm08	35840047	35841037	Gmdrm	hypo	CHH	-0.0193

Gm08	35857459	35858456	Gmdrm	hypo	CHH	-0.079
Gm08	35974155	35975155	Gmdrm	hypo	CHH	-0.0342
Gm08	36031266	36032229	Gmdrm	hypo	CHH	-0.045
Gm08	36032274	36033272	Gmdrm	hypo	CHH	-0.0449
Gm08	36041767	36042765	Gmdrm	hypo	CHH	-0.1029
Gm08	36043775	36043944	Gmdrm	hypo	CHH	-0.1124
Gm08	36053032	36054019	Gmdrm	hypo	CHH	-0.0497
Gm08	36065665	36066630	Gmdrm	hypo	CHH	-0.0274
Gm08	36068072	36069034	Gmdrm	hypo	CHH	-0.1449
Gm08	36073592	36074562	Gmdrm	hypo	CHH	-0.0167
Gm08	36075633	36076538	Gmdrm	hypo	CHH	-0.0175
Gm08	36082315	36083285	Gmdrm	hypo	CHH	-0.014
Gm08	36084357	36085355	Gmdrm	hypo	CHH	-0.0348
Gm08	36118516	36119515	Gmdrm	hypo	CHH	-0.0178
Gm08	36121769	36122768	Gmdrm	hypo	CHH	-0.0591
Gm08	36160023	36161017	Gmdrm	hypo	CHH	-0.064
Gm08	36190246	36191244	Gmdrm	hypo	CHH	-0.0554
Gm08	36191254	36192240	Gmdrm	hypo	CHH	-0.0341
Gm08	36199065	36200048	Gmdrm	hypo	CHH	-0.0294
Gm08	36200092	36200664	Gmdrm	hypo	CHH	-0.0203
Gm08	36202881	36203073	Gmdrm	hypo	CHH	-0.0583
Gm08	36256026	36257018	Gmdrm	hypo	CHH	-0.0158
Gm08	36294346	36295275	Gmdrm	hypo	CHH	-0.0822
Gm08	36351326	36351778	Gmdrm	hypo	CHH	-0.1221
Gm08	36351880	36352879	Gmdrm	hypo	CHH	-0.0666
Gm08	36369194	36370191	Gmdrm	hypo	CHH	-0.0439
Gm08	36374946	36375938	Gmdrm	hypo	CHH	-0.0367
Gm08	36375974	36376961	Gmdrm	hypo	CHH	-0.0392
Gm08	36382058	36383056	Gmdrm	hypo	CHH	-0.0581
Gm08	36395217	36396180	Gmdrm	hypo	CHH	-0.0174
Gm08	36396230	36396835	Gmdrm	hypo	CHH	-0.0514
Gm08	36400051	36401028	Gmdrm	hypo	CHH	-0.031
Gm08	36401053	36402050	Gmdrm	hypo	CHH	-0.1636
Gm08	36427424	36428420	Gmdrm	hypo	CHH	-0.0255
Gm08	36450452	36451443	Gmdrm	hypo	CHH	-0.0161
Gm08	36451457	36452442	Gmdrm	hypo	CHH	-0.0191
Gm08	36470033	36470320	Gmdrm	hypo	CHH	-0.0194
Gm08	36470698	36471698	Gmdrm	hypo	CHH	-0.105
Gm08	36471700	36471842	Gmdrm	hypo	CHH	-0.1119
Gm08	36493489	36494486	Gmdrm	hypo	CHH	-0.0215
Gm08	36508789	36509787	Gmdrm	hypo	CHH	-0.0391
Gm08	36509795	36510795	Gmdrm	hypo	CHH	-0.0184
Gm08	36519146	36520127	Gmdrm	hypo	CHH	-0.1497
Gm08	36523519	36524501	Gmdrm	hypo	CHH	-0.0642
Gm08	36534453	36535437	Gmdrm	hypo	CHH	-0.0201
Gm08	36537402	36538402	Gmdrm	hypo	CHH	-0.0495

Gm08	36558796	36559787	Gmdrm	hypo	CHH	-0.044
Gm08	36596506	36597487	Gmdrm	hypo	CHH	-0.011
Gm08	36597509	36597726	Gmdrm	hypo	CHH	-0.0613
Gm08	36632362	36633356	Gmdrm	hypo	CHH	-0.1764
Gm08	36644048	36645037	Gmdrm	hypo	CHH	-0.0841
Gm08	36645051	36646036	Gmdrm	hypo	CHH	-0.1063
Gm08	36730286	36731283	Gmdrm	hypo	CHH	-0.0822
Gm08	36831634	36832303	Gmdrm	hypo	CHH	-0.0614
Gm08	36927243	36927346	Gmdrm	hypo	CHH	-0.05
Gm08	36927478	36928456	Gmdrm	hypo	CHH	-0.0383
Gm08	36972592	36973592	Gmdrm	hypo	CHH	-0.0318
Gm08	36980606	36981604	Gmdrm	hypo	CHH	-0.0471
Gm08	37066495	37067207	Gmdrm	hypo	CHH	-0.1685
Gm08	37075014	37076012	Gmdrm	hypo	CHH	-0.0554
Gm08	37090507	37091497	Gmdrm	hypo	CHH	-0.0313
Gm08	37093559	37094170	Gmdrm	hypo	CHH	-0.0198
Gm08	37107006	37107999	Gmdrm	hypo	CHH	-0.1404
Gm08	37136125	37137120	Gmdrm	hypo	CHH	-0.051
Gm08	37139159	37140137	Gmdrm	hypo	CHH	-0.0766
Gm08	37145200	37146191	Gmdrm	hypo	CHH	-0.0671
Gm08	37172858	37173855	Gmdrm	hypo	CHH	-0.0399
Gm08	37242775	37243768	Gmdrm	hypo	CHH	-0.0283
Gm08	37243820	37244795	Gmdrm	hypo	CHH	-0.031
Gm08	37244869	37245849	Gmdrm	hypo	CHH	-0.0459
Gm08	37247900	37248880	Gmdrm	hypo	CHH	-0.0297
Gm08	37251943	37252942	Gmdrm	hypo	CHH	-0.1483
Gm08	37252946	37253943	Gmdrm	hypo	CHH	-0.0524
Gm08	37259051	37260050	Gmdrm	hypo	CHH	-0.0517
Gm08	37260057	37261051	Gmdrm	hypo	CHH	-0.0701
Gm08	37265238	37266235	Gmdrm	hypo	CHH	-0.0896
Gm08	37300549	37301516	Gmdrm	hypo	CHH	-0.0316
Gm08	37306126	37307124	Gmdrm	hypo	CHH	-0.0742
Gm08	37312222	37313222	Gmdrm	hypo	CHH	-0.0159
Gm08	37331742	37332737	Gmdrm	hypo	CHH	-0.0194
Gm08	37333801	37334801	Gmdrm	hypo	CHH	-0.0763
Gm08	37338162	37339159	Gmdrm	hypo	CHH	-0.0358
Gm08	37341530	37342523	Gmdrm	hypo	CHH	-0.0606
Gm08	37356567	37357033	Gmdrm	hypo	CHH	-0.0292
Gm08	37386278	37387254	Gmdrm	hypo	CHH	-0.0159
Gm08	37397340	37398331	Gmdrm	hypo	CHH	-0.0257
Gm08	37551947	37552596	Gmdrm	hypo	CHH	-0.0159
Gm08	37552704	37553676	Gmdrm	hypo	CHH	-0.0169
Gm08	37555306	37556302	Gmdrm	hypo	CHH	-0.0339
Gm08	37577267	37578267	Gmdrm	hypo	CHH	-0.0541
Gm08	37592564	37593563	Gmdrm	hypo	CHH	-0.0127
Gm08	37604467	37605465	Gmdrm	hypo	CHH	-0.0717

Gm08	37606181	37607181	Gmdrm	hypo	CHH	-0.0271
Gm08	37856483	37856555	Gmdrm	hypo	CHH	-0.1422
Gm08	37934582	37935424	Gmdrm	hypo	CHH	-0.0602
Gm08	37935673	37935711	Gmdrm	hypo	CHH	-0.0783
Gm08	37950817	37951765	Gmdrm	hypo	CHH	-0.0612
Gm08	37952822	37953138	Gmdrm	hypo	CHH	-0.1661
Gm08	37961087	37962085	Gmdrm	hypo	CHH	-0.1035
Gm08	37962089	37963077	Gmdrm	hypo	CHH	-0.0805
Gm08	37964124	37965116	Gmdrm	hypo	CHH	-0.0681
Gm08	37966129	37967127	Gmdrm	hypo	CHH	-0.0572
Gm08	37967130	37968121	Gmdrm	hypo	CHH	-0.0395
Gm08	37969613	37970603	Gmdrm	hypo	CHH	-0.0596
Gm08	37970631	37971581	Gmdrm	hypo	CHH	-0.0369
Gm08	37977693	37978692	Gmdrm	hypo	CHH	-0.0611
Gm08	37983455	37984438	Gmdrm	hypo	CHH	-0.0633
Gm08	37989497	37990497	Gmdrm	hypo	CHH	-0.016
Gm08	37990513	37991511	Gmdrm	hypo	CHH	-0.0165
Gm08	37991527	37992520	Gmdrm	hypo	CHH	-0.259
Gm08	37994360	37994722	Gmdrm	hypo	CHH	-0.0264
Gm08	37999330	38000313	Gmdrm	hypo	CHH	-0.0639
Gm08	38013064	38013617	Gmdrm	hypo	CHH	-0.0653
Gm08	38018749	38019747	Gmdrm	hypo	CHH	-0.0668
Gm08	38033311	38034294	Gmdrm	hypo	CHH	-0.0291
Gm08	38035361	38036339	Gmdrm	hypo	CHH	-0.0168
Gm08	38095107	38096091	Gmdrm	hypo	CHH	-0.1135
Gm08	38124106	38124997	Gmdrm	hypo	CHH	-0.0873
Gm08	38125195	38126162	Gmdrm	hypo	CHH	-0.0191
Gm08	38126887	38127881	Gmdrm	hypo	CHH	-0.082
Gm08	38127892	38128891	Gmdrm	hypo	CHH	-0.0774
Gm08	38128950	38129852	Gmdrm	hypo	CHH	-0.0594
Gm08	38132303	38133293	Gmdrm	hypo	CHH	-0.0841
Gm08	38133311	38134301	Gmdrm	hypo	CHH	-0.022
Gm08	38141002	38141925	Gmdrm	hypo	CHH	-0.0223
Gm08	38142032	38142509	Gmdrm	hypo	CHH	-0.0424
Gm08	38157921	38158915	Gmdrm	hypo	CHH	-0.1384
Gm08	38158924	38159922	Gmdrm	hypo	CHH	-0.0933
Gm08	38166975	38167157	Gmdrm	hypo	CHH	-0.0692
Gm08	38168732	38169731	Gmdrm	hypo	CHH	-0.0119
Gm08	38200183	38201168	Gmdrm	hypo	CHH	-0.0316
Gm08	38220258	38221256	Gmdrm	hypo	CHH	-0.0423
Gm08	38222863	38223824	Gmdrm	hypo	CHH	-0.024
Gm08	38231688	38232685	Gmdrm	hypo	CHH	-0.0674
Gm08	38232690	38233666	Gmdrm	hypo	CHH	-0.0825
Gm08	38257602	38258588	Gmdrm	hypo	CHH	-0.0433
Gm08	38265768	38266764	Gmdrm	hypo	CHH	-0.0189
Gm08	38268109	38269094	Gmdrm	hypo	CHH	-0.0204

Gm08	38271977	38272579	Gmdrm	hypo	CHH	-0.0363
Gm08	38289402	38290218	Gmdrm	hypo	CHH	-0.0181
Gm08	38291735	38292707	Gmdrm	hypo	CHH	-0.034
Gm08	38311146	38312146	Gmdrm	hypo	CHH	-0.0166
Gm08	38324683	38325674	Gmdrm	hypo	CHH	-0.0135
Gm08	38325709	38326702	Gmdrm	hypo	CHH	-0.0339
Gm08	38338872	38339465	Gmdrm	hypo	CHH	-0.0943
Gm08	38346092	38347090	Gmdrm	hypo	CHH	-0.0173
Gm08	38358953	38359949	Gmdrm	hypo	CHH	-0.0332
Gm08	38382561	38382693	Gmdrm	hypo	CHH	-0.0347
Gm08	38390248	38391225	Gmdrm	hypo	CHH	-0.0244
Gm08	38397464	38398453	Gmdrm	hypo	CHH	-0.0508
Gm08	38398502	38399494	Gmdrm	hypo	CHH	-0.1036
Gm08	38407830	38408813	Gmdrm	hypo	CHH	-0.0515
Gm08	38410290	38411282	Gmdrm	hypo	CHH	-0.0139
Gm08	38412387	38413379	Gmdrm	hypo	CHH	-0.0257
Gm08	38413389	38414381	Gmdrm	hypo	CHH	-0.0423
Gm08	38419743	38420546	Gmdrm	hypo	CHH	-0.0257
Gm08	38421027	38421262	Gmdrm	hypo	CHH	-0.026
Gm08	38423348	38424335	Gmdrm	hypo	CHH	-0.0515
Gm08	38441159	38442148	Gmdrm	hypo	CHH	-0.0805
Gm08	38442162	38443094	Gmdrm	hypo	CHH	-0.0548
Gm08	38461472	38462466	Gmdrm	hypo	CHH	-0.0446
Gm08	38462517	38463498	Gmdrm	hypo	CHH	-0.0625
Gm08	38463541	38464540	Gmdrm	hypo	CHH	-0.0117
Gm08	38464571	38465548	Gmdrm	hypo	CHH	-0.0601
Gm08	38465575	38466539	Gmdrm	hypo	CHH	-0.0634
Gm08	38468053	38469047	Gmdrm	hypo	CHH	-0.0362
Gm08	38524561	38525506	Gmdrm	hypo	CHH	-0.0802
Gm08	38530043	38531040	Gmdrm	hypo	CHH	-0.0236
Gm08	38535121	38536119	Gmdrm	hypo	CHH	-0.0335
Gm08	38536124	38537121	Gmdrm	hypo	CHH	-0.1808
Gm08	38579181	38580159	Gmdrm	hypo	CHH	-0.0547
Gm08	38580188	38581186	Gmdrm	hypo	CHH	-0.0309
Gm08	38581192	38582183	Gmdrm	hypo	CHH	-0.1423
Gm08	38582205	38583202	Gmdrm	hypo	CHH	-0.2742
Gm08	38593662	38594638	Gmdrm	hypo	CHH	-0.1585
Gm08	38599314	38600306	Gmdrm	hypo	CHH	-0.0161
Gm08	38603389	38604356	Gmdrm	hypo	CHH	-0.0112
Gm08	38630577	38631575	Gmdrm	hypo	CHH	-0.0432
Gm08	38636433	38637400	Gmdrm	hypo	CHH	-0.0213
Gm08	38637447	38638325	Gmdrm	hypo	CHH	-0.0161
Gm08	38653296	38653424	Gmdrm	hypo	CHH	-0.06
Gm08	38664271	38665259	Gmdrm	hypo	CHH	-0.0265
Gm08	38665272	38665691	Gmdrm	hypo	CHH	-0.0339
Gm08	38668791	38669787	Gmdrm	hypo	CHH	-0.0624

Gm08	38698104	38699093	Gmdrm	hypo	CHH	-0.1634
Gm08	38700128	38701128	Gmdrm	hypo	CHH	-0.0277
Gm08	38701135	38702128	Gmdrm	hypo	CHH	-0.0157
Gm08	38712259	38713240	Gmdrm	hypo	CHH	-0.0412
Gm08	38715325	38716290	Gmdrm	hypo	CHH	-0.0526
Gm08	38717696	38718609	Gmdrm	hypo	CHH	-0.1791
Gm08	38721261	38722248	Gmdrm	hypo	CHH	-0.0269
Gm08	38722264	38723216	Gmdrm	hypo	CHH	-0.0312
Gm08	38725773	38726770	Gmdrm	hypo	CHH	-0.0748
Gm08	38726776	38727763	Gmdrm	hypo	CHH	-0.0411
Gm08	38742410	38742961	Gmdrm	hypo	CHH	-0.0494
Gm08	38747247	38748237	Gmdrm	hypo	CHH	-0.0125
Gm08	38748265	38749126	Gmdrm	hypo	CHH	-0.0396
Gm08	38752384	38753115	Gmdrm	hypo	CHH	-0.1997
Gm08	38753275	38754262	Gmdrm	hypo	CHH	-0.117
Gm08	38755463	38755964	Gmdrm	hypo	CHH	-0.107
Gm08	38763917	38764907	Gmdrm	hypo	CHH	-0.0305
Gm08	38764922	38765919	Gmdrm	hypo	CHH	-0.016
Gm08	38769309	38770303	Gmdrm	hypo	CHH	-0.1148
Gm08	38771318	38772314	Gmdrm	hypo	CHH	-0.3239
Gm08	38772320	38773296	Gmdrm	hypo	CHH	-0.3454
Gm08	38773324	38774301	Gmdrm	hypo	CHH	-0.0847
Gm08	38778383	38779383	Gmdrm	hypo	CHH	-0.0416
Gm08	38779385	38780380	Gmdrm	hypo	CHH	-0.0688
Gm08	38780388	38781377	Gmdrm	hypo	CHH	-0.0339
Gm08	38792763	38793759	Gmdrm	hypo	CHH	-0.048
Gm08	38797798	38798798	Gmdrm	hypo	CHH	-0.0384
Gm08	38798800	38799780	Gmdrm	hypo	CHH	-0.0616
Gm08	38799899	38800897	Gmdrm	hypo	CHH	-0.0599
Gm08	38800901	38801882	Gmdrm	hypo	CHH	-0.0247
Gm08	38801918	38802916	Gmdrm	hypo	CHH	-0.0214
Gm08	38802931	38803925	Gmdrm	hypo	CHH	-0.0437
Gm08	38810341	38811335	Gmdrm	hypo	CHH	-0.0164
Gm08	38820164	38821159	Gmdrm	hypo	CHH	-0.1002
Gm08	38821166	38822166	Gmdrm	hypo	CHH	-0.0687
Gm08	38847027	38847922	Gmdrm	hypo	CHH	-0.027
Gm08	38848393	38849379	Gmdrm	hypo	CHH	-0.042
Gm08	38849400	38850399	Gmdrm	hypo	CHH	-0.0496
Gm08	38850425	38851425	Gmdrm	hypo	CHH	-0.0196
Gm08	38851431	38852425	Gmdrm	hypo	CHH	-0.0851
Gm08	38853464	38854423	Gmdrm	hypo	CHH	-0.0167
Gm08	38868033	38868673	Gmdrm	hypo	CHH	-0.065
Gm08	38869800	38870769	Gmdrm	hypo	CHH	-0.0313
Gm08	38875821	38876807	Gmdrm	hypo	CHH	-0.0123
Gm08	38879320	38880314	Gmdrm	hypo	CHH	-0.0106
Gm08	38888895	38889894	Gmdrm	hypo	CHH	-0.1097

Gm08	38889896	38890884	Gmdrm	hypo	CHH	-0.2291
Gm08	38902438	38903424	Gmdrm	hypo	CHH	-0.0661
Gm08	38912514	38913476	Gmdrm	hypo	CHH	-0.0215
Gm08	38935736	38935953	Gmdrm	hypo	CHH	-0.1048
Gm08	38949208	38949670	Gmdrm	hypo	CHH	-0.0489
Gm08	38954630	38955613	Gmdrm	hypo	CHH	-0.0719
Gm08	38966123	38967108	Gmdrm	hypo	CHH	-0.0794
Gm08	38975635	38976629	Gmdrm	hypo	CHH	-0.0952
Gm08	38985678	38986677	Gmdrm	hypo	CHH	-0.0323
Gm08	38989705	38990703	Gmdrm	hypo	CHH	-0.0318
Gm08	38990715	38991705	Gmdrm	hypo	CHH	-0.2316
Gm08	38992743	38993359	Gmdrm	hypo	CHH	-0.0519
Gm08	38993461	38994459	Gmdrm	hypo	CHH	-0.2113
Gm08	38994470	38995469	Gmdrm	hypo	CHH	-0.1758
Gm08	38995514	38996499	Gmdrm	hypo	CHH	-0.014
Gm08	39001510	39002509	Gmdrm	hypo	CHH	-0.1047
Gm08	39011424	39011875	Gmdrm	hypo	CHH	-0.0341
Gm08	39015129	39016117	Gmdrm	hypo	CHH	-0.1535
Gm08	39053011	39054004	Gmdrm	hypo	CHH	-0.0468
Gm08	39066434	39067426	Gmdrm	hypo	CHH	-0.0412
Gm08	39069462	39070454	Gmdrm	hypo	CHH	-0.1222
Gm08	39074714	39075700	Gmdrm	hypo	CHH	-0.0225
Gm08	39078523	39078592	Gmdrm	hypo	CHH	-0.152
Gm08	39094855	39095855	Gmdrm	hypo	CHH	-0.0609
Gm08	39102319	39102858	Gmdrm	hypo	CHH	-0.0176
Gm08	39105999	39106997	Gmdrm	hypo	CHH	-0.0334
Gm08	39119165	39119692	Gmdrm	hypo	CHH	-0.0492
Gm08	39120064	39121064	Gmdrm	hypo	CHH	-0.0192
Gm08	39121072	39122068	Gmdrm	hypo	CHH	-0.0711
Gm08	39123095	39124092	Gmdrm	hypo	CHH	-0.0284
Gm08	39126465	39127465	Gmdrm	hypo	CHH	-0.0975
Gm08	39127468	39128433	Gmdrm	hypo	CHH	-0.1052
Gm08	39131342	39132331	Gmdrm	hypo	CHH	-0.0864
Gm08	39172399	39172452	Gmdrm	hypo	CHH	-0.106
Gm08	39206555	39206734	Gmdrm	hypo	CHH	-0.1729
Gm08	39211564	39212550	Gmdrm	hypo	CHH	-0.0166
Gm08	39212565	39213433	Gmdrm	hypo	CHH	-0.0207
Gm08	39213782	39214737	Gmdrm	hypo	CHH	-0.1022
Gm08	39214792	39215680	Gmdrm	hypo	CHH	-0.1848
Gm08	39248488	39249485	Gmdrm	hypo	CHH	-0.0758
Gm08	39266376	39267074	Gmdrm	hypo	CHH	-0.016
Gm08	39273238	39274235	Gmdrm	hypo	CHH	-0.0358
Gm08	39274242	39275237	Gmdrm	hypo	CHH	-0.0326
Gm08	39275253	39276246	Gmdrm	hypo	CHH	-0.0987
Gm08	39279053	39280041	Gmdrm	hypo	CHH	-0.0126
Gm08	39280054	39280225	Gmdrm	hypo	CHH	-0.02

Gm08	39282835	39283822	Gmdrm	hypo	CHH	-0.0207
Gm08	39284862	39285560	Gmdrm	hypo	CHH	-0.021
Gm08	39285661	39286656	Gmdrm	hypo	CHH	-0.0195
Gm08	39289183	39290145	Gmdrm	hypo	CHH	-0.0221
Gm08	39290778	39291777	Gmdrm	hypo	CHH	-0.1374
Gm08	39291779	39292750	Gmdrm	hypo	CHH	-0.1237
Gm08	39292935	39293912	Gmdrm	hypo	CHH	-0.2263
Gm08	39321165	39322160	Gmdrm	hypo	CHH	-0.0136
Gm08	39331764	39332752	Gmdrm	hypo	CHH	-0.0167
Gm08	39332769	39333754	Gmdrm	hypo	CHH	-0.0379
Gm08	39335012	39336009	Gmdrm	hypo	CHH	-0.0288
Gm08	39341207	39341528	Gmdrm	hypo	CHH	-0.0345
Gm08	39427887	39428881	Gmdrm	hypo	CHH	-0.0627
Gm08	39428894	39429880	Gmdrm	hypo	CHH	-0.0393
Gm08	39434218	39434813	Gmdrm	hypo	CHH	-0.0143
Gm08	39435330	39436330	Gmdrm	hypo	CHH	-0.0668
Gm08	39436345	39437326	Gmdrm	hypo	CHH	-0.0232
Gm08	39446494	39447494	Gmdrm	hypo	CHH	-0.0551
Gm08	39447497	39448488	Gmdrm	hypo	CHH	-0.1436
Gm08	39458156	39459139	Gmdrm	hypo	CHH	-0.0746
Gm08	39460188	39461188	Gmdrm	hypo	CHH	-0.0584
Gm08	39461190	39461824	Gmdrm	hypo	CHH	-0.2378
Gm08	39475293	39476292	Gmdrm	hypo	CHH	-0.0284
Gm08	39479376	39480367	Gmdrm	hypo	CHH	-0.0132
Gm08	39486389	39487387	Gmdrm	hypo	CHH	-0.033
Gm08	39492415	39493413	Gmdrm	hypo	CHH	-0.0516
Gm08	39493416	39493920	Gmdrm	hypo	CHH	-0.2498
Gm08	39494341	39494429	Gmdrm	hypo	CHH	-0.3407
Gm08	39494632	39495624	Gmdrm	hypo	CHH	-0.2048
Gm08	39498771	39499747	Gmdrm	hypo	CHH	-0.0187
Gm08	39502930	39503928	Gmdrm	hypo	CHH	-0.1294
Gm08	39505417	39506396	Gmdrm	hypo	CHH	-0.0234
Gm08	39509493	39510487	Gmdrm	hypo	CHH	-0.02
Gm08	39510496	39511493	Gmdrm	hypo	CHH	-0.0195
Gm08	39511500	39512498	Gmdrm	hypo	CHH	-0.0378
Gm08	39513605	39514470	Gmdrm	hypo	CHH	-0.0734
Gm08	39514581	39515576	Gmdrm	hypo	CHH	-0.1592
Gm08	39515585	39516574	Gmdrm	hypo	CHH	-0.0569
Gm08	39519160	39519575	Gmdrm	hypo	CHH	-0.1273
Gm08	39519677	39520677	Gmdrm	hypo	CHH	-0.1986
Gm08	39523063	39523548	Gmdrm	hypo	CHH	-0.0306
Gm08	39528530	39529518	Gmdrm	hypo	CHH	-0.0174
Gm08	39536637	39536978	Gmdrm	hypo	CHH	-0.2033
Gm08	39544508	39545504	Gmdrm	hypo	CHH	-0.0665
Gm08	39557906	39558517	Gmdrm	hypo	CHH	-0.0339
Gm08	39559843	39560254	Gmdrm	hypo	CHH	-0.041

Gm08	39560669	39560962	Gmdrm	hypo	CHH	-0.0718
Gm08	39564380	39564790	Gmdrm	hypo	CHH	-0.0259
Gm08	39570491	39571479	Gmdrm	hypo	CHH	-0.0542
Gm08	39571703	39572698	Gmdrm	hypo	CHH	-0.0428
Gm08	39586403	39587402	Gmdrm	hypo	CHH	-0.0355
Gm08	39587404	39588394	Gmdrm	hypo	CHH	-0.025
Gm08	39588415	39589182	Gmdrm	hypo	CHH	-0.0278
Gm08	39589442	39589720	Gmdrm	hypo	CHH	-0.0525
Gm08	39592893	39593882	Gmdrm	hypo	CHH	-0.0557
Gm08	39603371	39604352	Gmdrm	hypo	CHH	-0.0182
Gm08	39614736	39615699	Gmdrm	hypo	CHH	-0.0229
Gm08	39616203	39617189	Gmdrm	hypo	CHH	-0.0135
Gm08	39618224	39619219	Gmdrm	hypo	CHH	-0.0395
Gm08	39619229	39620196	Gmdrm	hypo	CHH	-0.0194
Gm08	39623902	39624901	Gmdrm	hypo	CHH	-0.083
Gm08	39626953	39627220	Gmdrm	hypo	CHH	-0.0255
Gm08	39629195	39630186	Gmdrm	hypo	CHH	-0.016
Gm08	39636500	39637489	Gmdrm	hypo	CHH	-0.0278
Gm08	39637532	39638325	Gmdrm	hypo	CHH	-0.0274
Gm08	39638429	39638723	Gmdrm	hypo	CHH	-0.0587
Gm08	39680217	39681208	Gmdrm	hypo	CHH	-0.0252
Gm08	39691041	39692040	Gmdrm	hypo	CHH	-0.0525
Gm08	39692043	39693035	Gmdrm	hypo	CHH	-0.1033
Gm08	39693206	39694206	Gmdrm	hypo	CHH	-0.0408
Gm08	39700098	39701085	Gmdrm	hypo	CHH	-0.0361
Gm08	39701105	39702090	Gmdrm	hypo	CHH	-0.0492
Gm08	39711149	39712101	Gmdrm	hypo	CHH	-0.1276
Gm08	39724611	39725595	Gmdrm	hypo	CHH	-0.0183
Gm08	39725627	39726623	Gmdrm	hypo	CHH	-0.0427
Gm08	39727652	39728648	Gmdrm	hypo	CHH	-0.0193
Gm08	39731686	39732655	Gmdrm	hypo	CHH	-0.0444
Gm08	39734697	39735695	Gmdrm	hypo	CHH	-0.0653
Gm08	39735700	39736145	Gmdrm	hypo	CHH	-0.0657
Gm08	39746695	39747695	Gmdrm	hypo	CHH	-0.1125
Gm08	39748724	39749720	Gmdrm	hypo	CHH	-0.0663
Gm08	39749798	39750795	Gmdrm	hypo	CHH	-0.045
Gm08	39750810	39750989	Gmdrm	hypo	CHH	-0.205
Gm08	39751173	39752173	Gmdrm	hypo	CHH	-0.1569
Gm08	39756219	39757210	Gmdrm	hypo	CHH	-0.0125
Gm08	39757861	39758857	Gmdrm	hypo	CHH	-0.0334
Gm08	39758896	39759894	Gmdrm	hypo	CHH	-0.0745
Gm08	39768562	39769555	Gmdrm	hypo	CHH	-0.0127
Gm08	39769592	39770587	Gmdrm	hypo	CHH	-0.1044
Gm08	39770596	39771590	Gmdrm	hypo	CHH	-0.0813
Gm08	39774971	39775960	Gmdrm	hypo	CHH	-0.0145
Gm08	39778706	39779699	Gmdrm	hypo	CHH	-0.0306

Gm08	39793662	39794658	Gmdrm	hypo	CHH	-0.0643
Gm08	39794672	39795364	Gmdrm	hypo	CHH	-0.1917
Gm08	39800125	39801007	Gmdrm	hypo	CHH	-0.0208
Gm08	39801109	39802098	Gmdrm	hypo	CHH	-0.0255
Gm08	39835360	39836360	Gmdrm	hypo	CHH	-0.0385
Gm08	39836362	39837340	Gmdrm	hypo	CHH	-0.0432
Gm08	39837364	39838353	Gmdrm	hypo	CHH	-0.0363
Gm08	39856110	39857103	Gmdrm	hypo	CHH	-0.0355
Gm08	39859605	39860605	Gmdrm	hypo	CHH	-0.0741
Gm08	39883704	39884612	Gmdrm	hypo	CHH	-0.0254
Gm08	39887003	39887828	Gmdrm	hypo	CHH	-0.0204
Gm08	39888307	39888930	Gmdrm	hypo	CHH	-0.0263
Gm08	39889046	39890015	Gmdrm	hypo	CHH	-0.0949
Gm08	39899533	39900515	Gmdrm	hypo	CHH	-0.0221
Gm08	39904293	39905290	Gmdrm	hypo	CHH	-0.0367
Gm08	39917384	39918381	Gmdrm	hypo	CHH	-0.0328
Gm08	39919709	39920693	Gmdrm	hypo	CHH	-0.0656
Gm08	39929922	39930894	Gmdrm	hypo	CHH	-0.2269
Gm08	39949043	39949223	Gmdrm	hypo	CHH	-0.2159
Gm08	39957576	39958080	Gmdrm	hypo	CHH	-0.0448
Gm08	39958300	39959285	Gmdrm	hypo	CHH	-0.0168
Gm08	39967765	39968765	Gmdrm	hypo	CHH	-0.0457
Gm08	39998904	39999898	Gmdrm	hypo	CHH	-0.0868
Gm08	39999921	40000910	Gmdrm	hypo	CHH	-0.0437
Gm08	40000935	40001670	Gmdrm	hypo	CHH	-0.1011
Gm08	40016483	40017479	Gmdrm	hypo	CHH	-0.0244
Gm08	40024504	40025490	Gmdrm	hypo	CHH	-0.0162
Gm08	40027474	40028235	Gmdrm	hypo	CHH	-0.0458
Gm08	40031516	40032511	Gmdrm	hypo	CHH	-0.0213
Gm08	40032524	40032777	Gmdrm	hypo	CHH	-0.4988
Gm08	40032881	40033873	Gmdrm	hypo	CHH	-0.2714
Gm08	40033884	40034883	Gmdrm	hypo	CHH	-0.1515
Gm08	40034888	40035888	Gmdrm	hypo	CHH	-0.0977
Gm08	40043379	40043862	Gmdrm	hypo	CHH	-0.0125
Gm08	40045014	40045630	Gmdrm	hypo	CHH	-0.0235
Gm08	40050120	40051091	Gmdrm	hypo	CHH	-0.1753
Gm08	40054286	40055286	Gmdrm	hypo	CHH	-0.0656
Gm08	40055289	40055593	Gmdrm	hypo	CHH	-0.0591
Gm08	40066947	40067946	Gmdrm	hypo	CHH	-0.0522
Gm08	40067968	40068962	Gmdrm	hypo	CHH	-0.0165
Gm08	40071429	40072415	Gmdrm	hypo	CHH	-0.0274
Gm08	40073434	40074426	Gmdrm	hypo	CHH	-0.0418
Gm08	40078884	40079884	Gmdrm	hypo	CHH	-0.0866
Gm08	40079897	40080874	Gmdrm	hypo	CHH	-0.131
Gm08	40080905	40081904	Gmdrm	hypo	CHH	-0.2035
Gm08	40082995	40083995	Gmdrm	hypo	CHH	-0.1333

Gm08	40088167	40089157 Gmdrm	hypo	CHH	-0.091
Gm08	40096724	40097574 Gmdrm	hypo	CHH	-0.0316
Gm08	40105331	40106329 Gmdrm	hypo	CHH	-0.0252
Gm08	40111403	40112393 Gmdrm	hypo	CHH	-0.0692
Gm08	40121540	40122530 Gmdrm	hypo	CHH	-0.0274
Gm08	40122544	40122772 Gmdrm	hypo	CHH	-0.0631
Gm08	40124603	40125552 Gmdrm	hypo	CHH	-0.0251
Gm08	40148690	40149386 Gmdrm	hypo	CHH	-0.0992
Gm08	40155588	40156475 Gmdrm	hypo	CHH	-0.0296
Gm08	40163402	40164392 Gmdrm	hypo	CHH	-0.0892
Gm08	40193397	40194369 Gmdrm	hypo	CHH	-0.0228
Gm08	40194399	40195340 Gmdrm	hypo	CHH	-0.0305
Gm08	40196495	40197486 Gmdrm	hypo	CHH	-0.0277
Gm08	40198524	40199522 Gmdrm	hypo	CHH	-0.0262
Gm08	40216644	40217519 Gmdrm	hypo	CHH	-0.0501
Gm08	40218678	40219678 Gmdrm	hypo	CHH	-0.023
Gm08	40236919	40237914 Gmdrm	hypo	CHH	-0.0091
Gm08	40247664	40248664 Gmdrm	hypo	CHH	-0.0313
Gm08	40248667	40249332 Gmdrm	hypo	CHH	-0.0335
Gm08	40250912	40251902 Gmdrm	hypo	CHH	-0.0773
Gm08	40252921	40253914 Gmdrm	hypo	CHH	-0.0768
Gm08	40253924	40254907 Gmdrm	hypo	CHH	-0.0365
Gm08	40256138	40257085 Gmdrm	hypo	CHH	-0.0386
Gm08	40290276	40291050 Gmdrm	hypo	CHH	-0.1069
Gm08	40291287	40292282 Gmdrm	hypo	CHH	-0.0693
Gm08	40303270	40304270 Gmdrm	hypo	CHH	-0.0618
Gm08	40304271	40304912 Gmdrm	hypo	CHH	-0.143
Gm08	40315227	40316202 Gmdrm	hypo	CHH	-0.0168
Gm08	40316249	40317242 Gmdrm	hypo	CHH	-0.0167
Gm08	40330271	40331269 Gmdrm	hypo	CHH	-0.0279
Gm08	40331277	40332274 Gmdrm	hypo	CHH	-0.1081
Gm08	40333287	40334285 Gmdrm	hypo	CHH	-0.0486
Gm08	40334288	40335120 Gmdrm	hypo	CHH	-0.0488
Gm08	40339347	40340347 Gmdrm	hypo	CHH	-0.0307
Gm08	40347892	40348100 Gmdrm	hypo	CHH	-0.0717
Gm08	40352297	40353275 Gmdrm	hypo	CHH	-0.0098
Gm08	40353305	40354303 Gmdrm	hypo	CHH	-0.0285
Gm08	40358328	40359311 Gmdrm	hypo	CHH	-0.0724
Gm08	40359388	40360353 Gmdrm	hypo	CHH	-0.0215
Gm08	40374676	40375673 Gmdrm	hypo	CHH	-0.0241
Gm08	40376774	40377760 Gmdrm	hypo	CHH	-0.0128
Gm08	40377779	40378770 Gmdrm	hypo	CHH	-0.0887
Gm08	40378791	40379781 Gmdrm	hypo	CHH	-0.1408
Gm08	40398393	40399367 Gmdrm	hypo	CHH	-0.0321
Gm08	40407798	40408798 Gmdrm	hypo	CHH	-0.2369
Gm08	40408803	40409793 Gmdrm	hypo	CHH	-0.1617

Gm08	40410243	40411202	Gmdrm	hypo	CHH	-0.2332
Gm08	40417914	40418911	Gmdrm	hypo	CHH	-0.0156
Gm08	40432166	40433113	Gmdrm	hypo	CHH	-0.0204
Gm08	40434592	40435587	Gmdrm	hypo	CHH	-0.0237
Gm08	40458369	40459367	Gmdrm	hypo	CHH	-0.2888
Gm08	40459373	40460346	Gmdrm	hypo	CHH	-0.1948
Gm08	40467271	40468271	Gmdrm	hypo	CHH	-0.0196
Gm08	40476896	40477893	Gmdrm	hypo	CHH	-0.0125
Gm08	40477915	40478911	Gmdrm	hypo	CHH	-0.1896
Gm08	40480964	40481961	Gmdrm	hypo	CHH	-0.023
Gm08	40484078	40485055	Gmdrm	hypo	CHH	-0.0181
Gm08	40502783	40503782	Gmdrm	hypo	CHH	-0.1892
Gm08	40515827	40516121	Gmdrm	hypo	CHH	-0.083
Gm08	40522382	40523213	Gmdrm	hypo	CHH	-0.0208
Gm08	40524346	40525344	Gmdrm	hypo	CHH	-0.0228
Gm08	40525349	40526343	Gmdrm	hypo	CHH	-0.0304
Gm08	40532557	40533556	Gmdrm	hypo	CHH	-0.0856
Gm08	40534536	40535482	Gmdrm	hypo	CHH	-0.1097
Gm08	40537110	40538103	Gmdrm	hypo	CHH	-0.0159
Gm08	40540200	40541176	Gmdrm	hypo	CHH	-0.0313
Gm08	40541565	40542529	Gmdrm	hypo	CHH	-0.0237
Gm08	40548824	40549820	Gmdrm	hypo	CHH	-0.0527
Gm08	40549830	40550824	Gmdrm	hypo	CHH	-0.0208
Gm08	40550846	40551791	Gmdrm	hypo	CHH	-0.1012
Gm08	40558780	40559757	Gmdrm	hypo	CHH	-0.0186
Gm08	40563927	40564062	Gmdrm	hypo	CHH	-0.0517
Gm08	40564421	40565417	Gmdrm	hypo	CHH	-0.0259
Gm08	40567590	40568238	Gmdrm	hypo	CHH	-0.2117
Gm08	40569373	40569704	Gmdrm	hypo	CHH	-0.0409
Gm08	40589767	40590761	Gmdrm	hypo	CHH	-0.0534
Gm08	40590775	40591417	Gmdrm	hypo	CHH	-0.066
Gm08	40594588	40595581	Gmdrm	hypo	CHH	-0.119
Gm08	40648033	40649025	Gmdrm	hypo	CHH	-0.1709
Gm08	40664169	40665166	Gmdrm	hypo	CHH	-0.062
Gm08	40681483	40681772	Gmdrm	hypo	CHH	-0.095
Gm08	40699533	40699913	Gmdrm	hypo	CHH	-0.0311
Gm08	40715519	40716507	Gmdrm	hypo	CHH	-0.0137
Gm08	40749905	40750900	Gmdrm	hypo	CHH	-0.105
Gm08	40762209	40763207	Gmdrm	hypo	CHH	-0.0536
Gm08	40775668	40776603	Gmdrm	hypo	CHH	-0.0245
Gm08	40779301	40780188	Gmdrm	hypo	CHH	-0.0177
Gm08	40780289	40781288	Gmdrm	hypo	CHH	-0.0196
Gm08	40824621	40825613	Gmdrm	hypo	CHH	-0.11
Gm08	40832641	40833439	Gmdrm	hypo	CHH	-0.0216
Gm08	40843380	40844373	Gmdrm	hypo	CHH	-0.0563
Gm08	40845848	40846847	Gmdrm	hypo	CHH	-0.038

Gm08	40850864	40851864	Gmdrm	hypo	CHH	-0.0349
Gm08	40854201	40855197	Gmdrm	hypo	CHH	-0.0439
Gm08	40860085	40861030	Gmdrm	hypo	CHH	-0.1031
Gm08	40865308	40866285	Gmdrm	hypo	CHH	-0.0539
Gm08	40893858	40894858	Gmdrm	hypo	CHH	-0.0171
Gm08	40902353	40903353	Gmdrm	hypo	CHH	-0.0199
Gm08	40904313	40905296	Gmdrm	hypo	CHH	-0.0962
Gm08	40905361	40906354	Gmdrm	hypo	CHH	-0.0186
Gm08	40927356	40928354	Gmdrm	hypo	CHH	-0.0545
Gm08	40938748	40939694	Gmdrm	hypo	CHH	-0.0271
Gm08	40949230	40950118	Gmdrm	hypo	CHH	-0.013
Gm08	40952942	40953939	Gmdrm	hypo	CHH	-0.0544
Gm08	40953945	40954934	Gmdrm	hypo	CHH	-0.0832
Gm08	40955982	40956982	Gmdrm	hypo	CHH	-0.0845
Gm08	40959022	40960017	Gmdrm	hypo	CHH	-0.0577
Gm08	40963447	40964444	Gmdrm	hypo	CHH	-0.0101
Gm08	40965283	40966280	Gmdrm	hypo	CHH	-0.0162
Gm08	40980229	40981211	Gmdrm	hypo	CHH	-0.0648
Gm08	40984332	40984870	Gmdrm	hypo	CHH	-0.0755
Gm08	40988093	40988812	Gmdrm	hypo	CHH	-0.0928
Gm08	40989942	40990927	Gmdrm	hypo	CHH	-0.0201
Gm08	40990943	40991107	Gmdrm	hypo	CHH	-0.04
Gm08	40993581	40993646	Gmdrm	hypo	CHH	-0.058
Gm08	40997793	40998789	Gmdrm	hypo	CHH	-0.0311
Gm08	40998794	40999783	Gmdrm	hypo	CHH	-0.0279
Gm08	41000937	41001621	Gmdrm	hypo	CHH	-0.1393
Gm08	41015648	41016596	Gmdrm	hypo	CHH	-0.0286
Gm08	41023994	41024990	Gmdrm	hypo	CHH	-0.0119
Gm08	41042894	41043833	Gmdrm	hypo	CHH	-0.1137
Gm08	41043905	41044900	Gmdrm	hypo	CHH	-0.0819
Gm08	41044913	41045912	Gmdrm	hypo	CHH	-0.1264
Gm08	41046947	41047947	Gmdrm	hypo	CHH	-0.0196
Gm08	41065103	41066101	Gmdrm	hypo	CHH	-0.2271
Gm08	41067122	41068116	Gmdrm	hypo	CHH	-0.1099
Gm08	41070227	41071227	Gmdrm	hypo	CHH	-0.0355
Gm08	41075234	41076231	Gmdrm	hypo	CHH	-0.022
Gm08	41076239	41076543	Gmdrm	hypo	CHH	-0.0225
Gm08	41080440	41081433	Gmdrm	hypo	CHH	-0.2279
Gm08	41087157	41088156	Gmdrm	hypo	CHH	-0.0277
Gm08	41088160	41089111	Gmdrm	hypo	CHH	-0.0299
Gm08	41089340	41090158	Gmdrm	hypo	CHH	-0.0256
Gm08	41099048	41100038	Gmdrm	hypo	CHH	-0.1698
Gm08	41101421	41102417	Gmdrm	hypo	CHH	-0.1592
Gm08	41105749	41106729	Gmdrm	hypo	CHH	-0.1578
Gm08	41117925	41118924	Gmdrm	hypo	CHH	-0.0623
Gm08	41118926	41119916	Gmdrm	hypo	CHH	-0.2383

Gm08	41153258	41154255 Gmdrm	hypo	CHH	-0.0135
Gm08	41156423	41157121 Gmdrm	hypo	CHH	-0.3123
Gm08	41164466	41165449 Gmdrm	hypo	CHH	-0.1424
Gm08	41168331	41169331 Gmdrm	hypo	CHH	-0.076
Gm08	41175362	41176360 Gmdrm	hypo	CHH	-0.027
Gm08	41180162	41181157 Gmdrm	hypo	CHH	-0.0203
Gm08	41186689	41187685 Gmdrm	hypo	CHH	-0.0151
Gm08	41202836	41203803 Gmdrm	hypo	CHH	-0.055
Gm08	41204876	41205871 Gmdrm	hypo	CHH	-0.0157
Gm08	41208903	41209903 Gmdrm	hypo	CHH	-0.0291
Gm08	41212991	41213968 Gmdrm	hypo	CHH	-0.0394
Gm08	41214009	41215008 Gmdrm	hypo	CHH	-0.2467
Gm08	41215029	41215928 Gmdrm	hypo	CHH	-0.2126
Gm08	41234291	41235290 Gmdrm	hypo	CHH	-0.0754
Gm08	41238824	41239807 Gmdrm	hypo	CHH	-0.0621
Gm08	41250378	41251041 Gmdrm	hypo	CHH	-0.04
Gm08	41254758	41255752 Gmdrm	hypo	CHH	-0.0197
Gm08	41259448	41260441 Gmdrm	hypo	CHH	-0.0321
Gm08	41260451	41261440 Gmdrm	hypo	CHH	-0.1187
Gm08	41264506	41265478 Gmdrm	hypo	CHH	-0.0435
Gm08	41265511	41266475 Gmdrm	hypo	CHH	-0.0654
Gm08	41266518	41267518 Gmdrm	hypo	CHH	-0.0543
Gm08	41267519	41268507 Gmdrm	hypo	CHH	-0.0104
Gm08	41276619	41277618 Gmdrm	hypo	CHH	-0.048
Gm08	41277623	41278607 Gmdrm	hypo	CHH	-0.2623
Gm08	41278629	41279608 Gmdrm	hypo	CHH	-0.0127
Gm08	41279638	41280627 Gmdrm	hypo	CHH	-0.0751
Gm08	41280646	41281644 Gmdrm	hypo	CHH	-0.0702
Gm08	41283841	41284836 Gmdrm	hypo	CHH	-0.0493
Gm08	41292036	41292949 Gmdrm	hypo	CHH	-0.0105
Gm08	41296354	41297319 Gmdrm	hypo	CHH	-0.0837
Gm08	41303590	41304230 Gmdrm	hypo	CHH	-0.014
Gm08	41308633	41309628 Gmdrm	hypo	CHH	-0.0105
Gm08	41319780	41320767 Gmdrm	hypo	CHH	-0.0237
Gm08	41326094	41327073 Gmdrm	hypo	CHH	-0.0132
Gm08	41328900	41329899 Gmdrm	hypo	CHH	-0.0343
Gm08	41346453	41347445 Gmdrm	hypo	CHH	-0.0539
Gm08	41353453	41354092 Gmdrm	hypo	CHH	-0.0331
Gm08	41362537	41363518 Gmdrm	hypo	CHH	-0.0867
Gm08	41363550	41364544 Gmdrm	hypo	CHH	-0.0611
Gm08	41364561	41365186 Gmdrm	hypo	CHH	-0.0141
Gm08	41377394	41378387 Gmdrm	hypo	CHH	-0.1095
Gm08	41378397	41379379 Gmdrm	hypo	CHH	-0.0727
Gm08	41389699	41390678 Gmdrm	hypo	CHH	-0.0353
Gm08	41410495	41411489 Gmdrm	hypo	CHH	-0.0346
Gm08	41411498	41412032 Gmdrm	hypo	CHH	-0.189

Gm08	41413982	41414978 Gmdrm	hypo	CHH	-0.0751
Gm08	41445106	41446104 Gmdrm	hypo	CHH	-0.1007
Gm08	41462781	41463776 Gmdrm	hypo	CHH	-0.02
Gm08	41463785	41464780 Gmdrm	hypo	CHH	-0.196
Gm08	41481562	41482548 Gmdrm	hypo	CHH	-0.1502
Gm08	41491730	41492707 Gmdrm	hypo	CHH	-0.0656
Gm08	41500302	41501253 Gmdrm	hypo	CHH	-0.0257
Gm08	41517697	41518686 Gmdrm	hypo	CHH	-0.0194
Gm08	41519779	41520777 Gmdrm	hypo	CHH	-0.0325
Gm08	41522975	41523442 Gmdrm	hypo	CHH	-0.0218
Gm08	41528176	41528789 Gmdrm	hypo	CHH	-0.0276
Gm08	41528913	41529633 Gmdrm	hypo	CHH	-0.0218
Gm08	41544826	41545810 Gmdrm	hypo	CHH	-0.061
Gm08	41545834	41546819 Gmdrm	hypo	CHH	-0.0599
Gm08	41549928	41550905 Gmdrm	hypo	CHH	-0.0371
Gm08	41556993	41557379 Gmdrm	hypo	CHH	-0.0236
Gm08	41563749	41564749 Gmdrm	hypo	CHH	-0.0322
Gm08	41565561	41566558 Gmdrm	hypo	CHH	-0.0315
Gm08	41566574	41567535 Gmdrm	hypo	CHH	-0.1424
Gm08	41567593	41568420 Gmdrm	hypo	CHH	-0.0631
Gm08	41568524	41569503 Gmdrm	hypo	CHH	-0.1296
Gm08	41574352	41575339 Gmdrm	hypo	CHH	-0.0167
Gm08	41584279	41585270 Gmdrm	hypo	CHH	-0.0246
Gm08	41590016	41590997 Gmdrm	hypo	CHH	-0.0295
Gm08	41596235	41596927 Gmdrm	hypo	CHH	-0.0355
Gm08	41600931	41601915 Gmdrm	hypo	CHH	-0.0863
Gm08	41605641	41606637 Gmdrm	hypo	CHH	-0.1873
Gm08	41621890	41622889 Gmdrm	hypo	CHH	-0.0887
Gm08	41622893	41623871 Gmdrm	hypo	CHH	-0.1837
Gm08	41623908	41624895 Gmdrm	hypo	CHH	-0.2135
Gm08	41640870	41641829 Gmdrm	hypo	CHH	-0.1267
Gm08	41641872	41642016 Gmdrm	hypo	CHH	-0.1392
Gm08	41644807	41645465 Gmdrm	hypo	CHH	-0.0363
Gm08	41656909	41657904 Gmdrm	hypo	CHH	-0.0239
Gm08	41657916	41658323 Gmdrm	hypo	CHH	-0.0417
Gm08	41664954	41665939 Gmdrm	hypo	CHH	-0.0421
Gm08	41666964	41667964 Gmdrm	hypo	CHH	-0.2147
Gm08	41670129	41671115 Gmdrm	hypo	CHH	-0.1421
Gm08	41673291	41673721 Gmdrm	hypo	CHH	-0.0547
Gm08	41678975	41679315 Gmdrm	hypo	CHH	-0.025
Gm08	41686897	41687892 Gmdrm	hypo	CHH	-0.0615
Gm08	41696337	41697306 Gmdrm	hypo	CHH	-0.0264
Gm08	41698715	41699684 Gmdrm	hypo	CHH	-0.0234
Gm08	41700769	41701731 Gmdrm	hypo	CHH	-0.0147
Gm08	41707667	41707888 Gmdrm	hypo	CHH	-0.0327
Gm08	41711181	41712167 Gmdrm	hypo	CHH	-0.1345

Gm08	41712182	41713158	Gmdrm	hypo	CHH	-0.0545
Gm08	41713185	41714164	Gmdrm	hypo	CHH	-0.0159
Gm08	41721010	41721990	Gmdrm	hypo	CHH	-0.0342
Gm08	41722014	41723009	Gmdrm	hypo	CHH	-0.1359
Gm08	41725315	41726307	Gmdrm	hypo	CHH	-0.0344
Gm08	41734178	41735121	Gmdrm	hypo	CHH	-0.0192
Gm08	41738451	41739450	Gmdrm	hypo	CHH	-0.0614
Gm08	41739456	41740428	Gmdrm	hypo	CHH	-0.041
Gm08	41754369	41754840	Gmdrm	hypo	CHH	-0.3109
Gm08	41755085	41756075	Gmdrm	hypo	CHH	-0.1726
Gm08	41757305	41758296	Gmdrm	hypo	CHH	-0.0168
Gm08	41761344	41762342	Gmdrm	hypo	CHH	-0.0831
Gm08	41762346	41763327	Gmdrm	hypo	CHH	-0.0316
Gm08	41767138	41768125	Gmdrm	hypo	CHH	-0.0163
Gm08	41776543	41777538	Gmdrm	hypo	CHH	-0.085
Gm08	41781694	41782099	Gmdrm	hypo	CHH	-0.0168
Gm08	41784079	41785075	Gmdrm	hypo	CHH	-0.0804
Gm08	41785081	41786071	Gmdrm	hypo	CHH	-0.0251
Gm08	41789594	41790583	Gmdrm	hypo	CHH	-0.0149
Gm08	41796225	41797203	Gmdrm	hypo	CHH	-0.0559
Gm08	41798372	41799369	Gmdrm	hypo	CHH	-0.0271
Gm08	41799400	41799984	Gmdrm	hypo	CHH	-0.0243
Gm08	41804165	41805154	Gmdrm	hypo	CHH	-0.0153
Gm08	41816350	41817349	Gmdrm	hypo	CHH	-0.0962
Gm08	41817389	41818385	Gmdrm	hypo	CHH	-0.0437
Gm08	41834268	41835221	Gmdrm	hypo	CHH	-0.0794
Gm08	41839487	41840431	Gmdrm	hypo	CHH	-0.0224
Gm08	41840488	41840635	Gmdrm	hypo	CHH	-0.0625
Gm08	41845272	41846260	Gmdrm	hypo	CHH	-0.0163
Gm08	41847371	41848219	Gmdrm	hypo	CHH	-0.071
Gm08	41857801	41858760	Gmdrm	hypo	CHH	-0.0451
Gm08	41863457	41864457	Gmdrm	hypo	CHH	-0.0687
Gm08	41864458	41865458	Gmdrm	hypo	CHH	-0.1149
Gm08	41868209	41869188	Gmdrm	hypo	CHH	-0.0653
Gm08	41878102	41879102	Gmdrm	hypo	CHH	-0.0538
Gm08	41879105	41880104	Gmdrm	hypo	CHH	-0.074
Gm08	41884322	41885307	Gmdrm	hypo	CHH	-0.017
Gm08	41889581	41889719	Gmdrm	hypo	CHH	-0.1494
Gm08	41892486	41893458	Gmdrm	hypo	CHH	-0.0743
Gm08	41893892	41894892	Gmdrm	hypo	CHH	-0.0387
Gm08	41901849	41902843	Gmdrm	hypo	CHH	-0.0569
Gm08	41902854	41903039	Gmdrm	hypo	CHH	-0.1137
Gm08	41903447	41904443	Gmdrm	hypo	CHH	-0.0383
Gm08	41912065	41913025	Gmdrm	hypo	CHH	-0.1814
Gm08	41913338	41913844	Gmdrm	hypo	CHH	-0.0434
Gm08	41924140	41925125	Gmdrm	hypo	CHH	-0.0658

Gm08	41935687	41936672	Gmdrm	hypo	CHH	-0.0346
Gm08	41942921	41943915	Gmdrm	hypo	CHH	-0.0314
Gm08	41950558	41951555	Gmdrm	hypo	CHH	-0.0385
Gm08	41952562	41952815	Gmdrm	hypo	CHH	-0.0686
Gm08	41956005	41957005	Gmdrm	hypo	CHH	-0.0526
Gm08	41959508	41960484	Gmdrm	hypo	CHH	-0.0181
Gm08	41969809	41970767	Gmdrm	hypo	CHH	-0.02
Gm08	41970992	41971992	Gmdrm	hypo	CHH	-0.0732
Gm08	41976240	41977229	Gmdrm	hypo	CHH	-0.0242
Gm08	41984699	41985694	Gmdrm	hypo	CHH	-0.0173
Gm08	42009995	42010960	Gmdrm	hypo	CHH	-0.0523
Gm08	42014325	42015056	Gmdrm	hypo	CHH	-0.0175
Gm08	42018195	42019178	Gmdrm	hypo	CHH	-0.0816
Gm08	42029714	42030713	Gmdrm	hypo	CHH	-0.0827
Gm08	42035919	42036915	Gmdrm	hypo	CHH	-0.0417
Gm08	42036920	42037913	Gmdrm	hypo	CHH	-0.0276
Gm08	42057091	42057508	Gmdrm	hypo	CHH	-0.0765
Gm08	42097028	42098028	Gmdrm	hypo	CHH	-0.0165
Gm08	42106146	42107145	Gmdrm	hypo	CHH	-0.0187
Gm08	42107148	42108142	Gmdrm	hypo	CHH	-0.048
Gm08	42113398	42114357	Gmdrm	hypo	CHH	-0.026
Gm08	42123684	42124664	Gmdrm	hypo	CHH	-0.0298
Gm08	42141764	42142761	Gmdrm	hypo	CHH	-0.0863
Gm08	42142771	42143758	Gmdrm	hypo	CHH	-0.0703
Gm08	42149810	42150802	Gmdrm	hypo	CHH	-0.0206
Gm08	42158535	42159533	Gmdrm	hypo	CHH	-0.0174
Gm08	42164607	42165596	Gmdrm	hypo	CHH	-0.0168
Gm08	42168032	42169028	Gmdrm	hypo	CHH	-0.0185
Gm08	42170058	42170517	Gmdrm	hypo	CHH	-0.0309
Gm08	42173134	42174112	Gmdrm	hypo	CHH	-0.0135
Gm08	42174165	42175014	Gmdrm	hypo	CHH	-0.0669
Gm08	42175556	42175721	Gmdrm	hypo	CHH	-0.035
Gm08	42177911	42178910	Gmdrm	hypo	CHH	-0.0371
Gm08	42190786	42191782	Gmdrm	hypo	CHH	-0.1047
Gm08	42191829	42192818	Gmdrm	hypo	CHH	-0.0219
Gm08	42193874	42194266	Gmdrm	hypo	CHH	-0.0159
Gm08	42201746	42202744	Gmdrm	hypo	CHH	-0.0157
Gm08	42220013	42220994	Gmdrm	hypo	CHH	-0.0168
Gm08	42234785	42235769	Gmdrm	hypo	CHH	-0.0587
Gm08	42240143	42240453	Gmdrm	hypo	CHH	-0.025
Gm08	42240602	42241599	Gmdrm	hypo	CHH	-0.0192
Gm08	42245055	42246034	Gmdrm	hypo	CHH	-0.036
Gm08	42248177	42249166	Gmdrm	hypo	CHH	-0.0126
Gm08	42249205	42250201	Gmdrm	hypo	CHH	-0.0251
Gm08	42263293	42264288	Gmdrm	hypo	CHH	-0.021
Gm08	42264330	42265324	Gmdrm	hypo	CHH	-0.0224

Gm08	42265381	42266361	Gmdrm	hypo	CHH	-0.0273
Gm08	42272331	42273331	Gmdrm	hypo	CHH	-0.0424
Gm08	42273358	42274355	Gmdrm	hypo	CHH	-0.0615
Gm08	42276635	42277629	Gmdrm	hypo	CHH	-0.05
Gm08	42289018	42290017	Gmdrm	hypo	CHH	-0.018
Gm08	42300206	42301180	Gmdrm	hypo	CHH	-0.0152
Gm08	42301234	42302226	Gmdrm	hypo	CHH	-0.1361
Gm08	42316467	42317442	Gmdrm	hypo	CHH	-0.0358
Gm08	42317474	42318390	Gmdrm	hypo	CHH	-0.0295
Gm08	42326092	42327086	Gmdrm	hypo	CHH	-0.0195
Gm08	42328098	42329065	Gmdrm	hypo	CHH	-0.0325
Gm08	42331032	42331753	Gmdrm	hypo	CHH	-0.0226
Gm08	42333927	42334915	Gmdrm	hypo	CHH	-0.025
Gm08	42357065	42357654	Gmdrm	hypo	CHH	-0.0209
Gm08	42368536	42369532	Gmdrm	hypo	CHH	-0.0268
Gm08	42372580	42372832	Gmdrm	hypo	CHH	-0.0394
Gm08	42373133	42374131	Gmdrm	hypo	CHH	-0.1348
Gm08	42380175	42381175	Gmdrm	hypo	CHH	-0.0871
Gm08	42384198	42384791	Gmdrm	hypo	CHH	-0.0981
Gm08	42390847	42391847	Gmdrm	hypo	CHH	-0.0365
Gm08	42400411	42401396	Gmdrm	hypo	CHH	-0.0202
Gm08	42408262	42408972	Gmdrm	hypo	CHH	-0.0238
Gm08	42418808	42419806	Gmdrm	hypo	CHH	-0.0175
Gm08	42419810	42420804	Gmdrm	hypo	CHH	-0.0783
Gm08	42431380	42432308	Gmdrm	hypo	CHH	-0.1517
Gm08	42433405	42434390	Gmdrm	hypo	CHH	-0.0136
Gm08	42438519	42438825	Gmdrm	hypo	CHH	-0.0356
Gm08	42440784	42441771	Gmdrm	hypo	CHH	-0.0181
Gm08	42445795	42446720	Gmdrm	hypo	CHH	-0.0265
Gm08	42450553	42451548	Gmdrm	hypo	CHH	-0.0395
Gm08	42451555	42452550	Gmdrm	hypo	CHH	-0.1256
Gm08	42453610	42454605	Gmdrm	hypo	CHH	-0.0274
Gm08	42454613	42455612	Gmdrm	hypo	CHH	-0.0398
Gm08	42459822	42460819	Gmdrm	hypo	CHH	-0.0369
Gm08	42460827	42461813	Gmdrm	hypo	CHH	-0.0687
Gm08	42461829	42462823	Gmdrm	hypo	CHH	-0.0368
Gm08	42462841	42463835	Gmdrm	hypo	CHH	-0.0664
Gm08	42469972	42470908	Gmdrm	hypo	CHH	-0.0251
Gm08	42474584	42475584	Gmdrm	hypo	CHH	-0.0342
Gm08	42475592	42476589	Gmdrm	hypo	CHH	-0.0324
Gm08	42477600	42478600	Gmdrm	hypo	CHH	-0.0356
Gm08	42478601	42479600	Gmdrm	hypo	CHH	-0.2681
Gm08	42484267	42485256	Gmdrm	hypo	CHH	-0.0273
Gm08	42485276	42486145	Gmdrm	hypo	CHH	-0.018
Gm08	42486527	42487523	Gmdrm	hypo	CHH	-0.0245
Gm08	42506552	42507552	Gmdrm	hypo	CHH	-0.0283

Gm08	42508591	42509591	Gmdrm	hypo	CHH	-0.2354
Gm08	42509608	42510596	Gmdrm	hypo	CHH	-0.0237
Gm08	42516967	42517960	Gmdrm	hypo	CHH	-0.0847
Gm08	42517973	42518969	Gmdrm	hypo	CHH	-0.0473
Gm08	42518996	42519995	Gmdrm	hypo	CHH	-0.049
Gm08	42520000	42520965	Gmdrm	hypo	CHH	-0.2129
Gm08	42527055	42528055	Gmdrm	hypo	CHH	-0.0723
Gm08	42530126	42531125	Gmdrm	hypo	CHH	-0.2917
Gm08	42531134	42532134	Gmdrm	hypo	CHH	-0.2124
Gm08	42532135	42533048	Gmdrm	hypo	CHH	-0.1258
Gm08	42534992	42535439	Gmdrm	hypo	CHH	-0.0265
Gm08	42536578	42537555	Gmdrm	hypo	CHH	-0.1558
Gm08	42550498	42551467	Gmdrm	hypo	CHH	-0.0513
Gm08	42558202	42559200	Gmdrm	hypo	CHH	-0.0185
Gm08	42559211	42559978	Gmdrm	hypo	CHH	-0.0541
Gm08	42564395	42565075	Gmdrm	hypo	CHH	-0.015
Gm08	42568708	42569707	Gmdrm	hypo	CHH	-0.0701
Gm08	42569709	42570709	Gmdrm	hypo	CHH	-0.0436
Gm08	42574126	42575113	Gmdrm	hypo	CHH	-0.0388
Gm08	42576165	42577150	Gmdrm	hypo	CHH	-0.0457
Gm08	42580182	42581182	Gmdrm	hypo	CHH	-0.0256
Gm08	42582859	42583849	Gmdrm	hypo	CHH	-0.0286
Gm08	42588512	42589509	Gmdrm	hypo	CHH	-0.0925
Gm08	42589517	42590259	Gmdrm	hypo	CHH	-0.228
Gm08	42590750	42591750	Gmdrm	hypo	CHH	-0.0547
Gm08	42591753	42592750	Gmdrm	hypo	CHH	-0.1601
Gm08	42599276	42600269	Gmdrm	hypo	CHH	-0.0699
Gm08	42600285	42601241	Gmdrm	hypo	CHH	-0.0743
Gm08	42601305	42602279	Gmdrm	hypo	CHH	-0.0188
Gm08	42606649	42607649	Gmdrm	hypo	CHH	-0.0558
Gm08	42607651	42608651	Gmdrm	hypo	CHH	-0.0754
Gm08	42608658	42609652	Gmdrm	hypo	CHH	-0.0958
Gm08	42612130	42613126	Gmdrm	hypo	CHH	-0.0967
Gm08	42613132	42614130	Gmdrm	hypo	CHH	-0.0894
Gm08	42624367	42625348	Gmdrm	hypo	CHH	-0.011
Gm08	42631497	42632476	Gmdrm	hypo	CHH	-0.0152
Gm08	42634623	42635572	Gmdrm	hypo	CHH	-0.017
Gm08	42641680	42642672	Gmdrm	hypo	CHH	-0.0522
Gm08	42651002	42652000	Gmdrm	hypo	CHH	-0.0272
Gm08	42655288	42656287	Gmdrm	hypo	CHH	-0.0274
Gm08	42656292	42657288	Gmdrm	hypo	CHH	-0.0263
Gm08	42657294	42658283	Gmdrm	hypo	CHH	-0.0677
Gm08	42688930	42689588	Gmdrm	hypo	CHH	-0.0216
Gm08	42700433	42700755	Gmdrm	hypo	CHH	-0.1157
Gm08	42712223	42713215	Gmdrm	hypo	CHH	-0.0786
Gm08	42724738	42725736	Gmdrm	hypo	CHH	-0.0623

Gm08	42725747	42726742	Gmdrm	hypo	CHH	-0.0766
Gm08	42759166	42760165	Gmdrm	hypo	CHH	-0.0296
Gm08	42774596	42775595	Gmdrm	hypo	CHH	-0.0263
Gm08	42795515	42796515	Gmdrm	hypo	CHH	-0.0155
Gm08	42797198	42797421	Gmdrm	hypo	CHH	-0.118
Gm08	42797588	42798581	Gmdrm	hypo	CHH	-0.0825
Gm08	42808273	42809271	Gmdrm	hypo	CHH	-0.038
Gm08	42809288	42810286	Gmdrm	hypo	CHH	-0.0245
Gm08	42820345	42820527	Gmdrm	hypo	CHH	-0.0318
Gm08	42837436	42838426	Gmdrm	hypo	CHH	-0.0416
Gm08	42840605	42841605	Gmdrm	hypo	CHH	-0.0889
Gm08	42841606	42842024	Gmdrm	hypo	CHH	-0.0984
Gm08	42847372	42848352	Gmdrm	hypo	CHH	-0.0135
Gm08	42853588	42854585	Gmdrm	hypo	CHH	-0.032
Gm08	42855602	42855970	Gmdrm	hypo	CHH	-0.0836
Gm08	42859359	42860358	Gmdrm	hypo	CHH	-0.0774
Gm08	42860362	42861340	Gmdrm	hypo	CHH	-0.0272
Gm08	42870245	42871241	Gmdrm	hypo	CHH	-0.0533
Gm08	42875765	42876761	Gmdrm	hypo	CHH	-0.0691
Gm08	42884815	42885762	Gmdrm	hypo	CHH	-0.2331
Gm08	42888799	42889793	Gmdrm	hypo	CHH	-0.0191
Gm08	42891881	42892876	Gmdrm	hypo	CHH	-0.0167
Gm08	42893905	42894535	Gmdrm	hypo	CHH	-0.0154
Gm08	42894662	42894673	Gmdrm	hypo	CHH	-0.138
Gm08	42906818	42907805	Gmdrm	hypo	CHH	-0.0374
Gm08	42909279	42910261	Gmdrm	hypo	CHH	-0.0253
Gm08	42913343	42914343	Gmdrm	hypo	CHH	-0.0151
Gm08	42928916	42929903	Gmdrm	hypo	CHH	-0.02
Gm08	42943457	42944453	Gmdrm	hypo	CHH	-0.011
Gm08	42946831	42947831	Gmdrm	hypo	CHH	-0.0202
Gm08	42951480	42952479	Gmdrm	hypo	CHH	-0.0358
Gm08	42964956	42965954	Gmdrm	hypo	CHH	-0.3017
Gm08	42968013	42968951	Gmdrm	hypo	CHH	-0.0153
Gm08	42972350	42972571	Gmdrm	hypo	CHH	-0.0928
Gm08	42975771	42976765	Gmdrm	hypo	CHH	-0.0221
Gm08	42981550	42982544	Gmdrm	hypo	CHH	-0.0556
Gm08	42989497	42990496	Gmdrm	hypo	CHH	-0.1592
Gm08	43001560	43002529	Gmdrm	hypo	CHH	-0.0229
Gm08	43005893	43006884	Gmdrm	hypo	CHH	-0.0235
Gm08	43011000	43011985	Gmdrm	hypo	CHH	-0.0216
Gm08	43013063	43014062	Gmdrm	hypo	CHH	-0.054
Gm08	43016182	43017173	Gmdrm	hypo	CHH	-0.0482
Gm08	43017183	43017249	Gmdrm	hypo	CHH	-0.045
Gm08	43023360	43024310	Gmdrm	hypo	CHH	-0.0234
Gm08	43024414	43025373	Gmdrm	hypo	CHH	-0.0165
Gm08	43027145	43028145	Gmdrm	hypo	CHH	-0.039

Gm08	43028163	43029150	Gmdrm	hypo	CHH	-0.1043
Gm08	43043532	43044519	Gmdrm	hypo	CHH	-0.0398
Gm08	43056954	43057953	Gmdrm	hypo	CHH	-0.0237
Gm08	43058970	43059602	Gmdrm	hypo	CHH	-0.1515
Gm08	43059712	43060703	Gmdrm	hypo	CHH	-0.1401
Gm08	43069812	43070811	Gmdrm	hypo	CHH	-0.0209
Gm08	43070816	43071467	Gmdrm	hypo	CHH	-0.05
Gm08	43073623	43074000	Gmdrm	hypo	CHH	-0.0486
Gm08	43076324	43077315	Gmdrm	hypo	CHH	-0.2765
Gm08	43077325	43078321	Gmdrm	hypo	CHH	-0.1265
Gm08	43078326	43079325	Gmdrm	hypo	CHH	-0.141
Gm08	43085136	43086136	Gmdrm	hypo	CHH	-0.1246
Gm08	43087144	43088135	Gmdrm	hypo	CHH	-0.0749
Gm08	43095905	43096900	Gmdrm	hypo	CHH	-0.0229
Gm08	43104708	43105708	Gmdrm	hypo	CHH	-0.0849
Gm08	43109121	43109714	Gmdrm	hypo	CHH	-0.0853
Gm08	43112927	43113918	Gmdrm	hypo	CHH	-0.0154
Gm08	43117976	43118362	Gmdrm	hypo	CHH	-0.0261
Gm08	43121425	43122416	Gmdrm	hypo	CHH	-0.0809
Gm08	43123086	43124066	Gmdrm	hypo	CHH	-0.2573
Gm08	43124088	43125086	Gmdrm	hypo	CHH	-0.0156
Gm08	43132646	43133641	Gmdrm	hypo	CHH	-0.1873
Gm08	43134342	43135336	Gmdrm	hypo	CHH	-0.1173
Gm08	43137373	43138372	Gmdrm	hypo	CHH	-0.0178
Gm08	43140294	43140578	Gmdrm	hypo	CHH	-0.08
Gm08	43146968	43147967	Gmdrm	hypo	CHH	-0.0454
Gm08	43155526	43156250	Gmdrm	hypo	CHH	-0.0273
Gm08	43159056	43160030	Gmdrm	hypo	CHH	-0.0187
Gm08	43164513	43165472	Gmdrm	hypo	CHH	-0.0306
Gm08	43175284	43176252	Gmdrm	hypo	CHH	-0.055
Gm08	43180856	43181855	Gmdrm	hypo	CHH	-0.0367
Gm08	43181872	43182865	Gmdrm	hypo	CHH	-0.0496
Gm08	43182876	43183870	Gmdrm	hypo	CHH	-0.0287
Gm08	43205919	43206905	Gmdrm	hypo	CHH	-0.0157
Gm08	43210646	43211645	Gmdrm	hypo	CHH	-0.0773
Gm08	43211652	43212632	Gmdrm	hypo	CHH	-0.2056
Gm08	43212661	43213650	Gmdrm	hypo	CHH	-0.0131
Gm08	43218721	43219719	Gmdrm	hypo	CHH	-0.0143
Gm08	43221578	43222390	Gmdrm	hypo	CHH	-0.0349
Gm08	43222525	43223517	Gmdrm	hypo	CHH	-0.015
Gm08	43225505	43225836	Gmdrm	hypo	CHH	-0.043
Gm08	43233524	43234516	Gmdrm	hypo	CHH	-0.0349
Gm08	43235494	43236484	Gmdrm	hypo	CHH	-0.0346
Gm08	43236495	43236730	Gmdrm	hypo	CHH	-0.0466
Gm08	43236865	43237816	Gmdrm	hypo	CHH	-0.0225
Gm08	43245172	43246158	Gmdrm	hypo	CHH	-0.0388

Gm08	43260073	43260972	Gmdrm	hypo	CHH	-0.1182
Gm08	43263247	43264246	Gmdrm	hypo	CHH	-0.0693
Gm08	43266551	43267543	Gmdrm	hypo	CHH	-0.0299
Gm08	43268568	43269568	Gmdrm	hypo	CHH	-0.151
Gm08	43277427	43278425	Gmdrm	hypo	CHH	-0.0148
Gm08	43288623	43289613	Gmdrm	hypo	CHH	-0.1045
Gm08	43289626	43289941	Gmdrm	hypo	CHH	-0.0516
Gm08	43294907	43295895	Gmdrm	hypo	CHH	-0.0139
Gm08	43307391	43308387	Gmdrm	hypo	CHH	-0.0171
Gm08	43312030	43313013	Gmdrm	hypo	CHH	-0.0759
Gm08	43316426	43317420	Gmdrm	hypo	CHH	-0.0168
Gm08	43333489	43334487	Gmdrm	hypo	CHH	-0.2516
Gm08	43334495	43334732	Gmdrm	hypo	CHH	-0.05
Gm08	43346631	43347529	Gmdrm	hypo	CHH	-0.0117
Gm08	43350281	43351275	Gmdrm	hypo	CHH	-0.0137
Gm08	43360263	43361254	Gmdrm	hypo	CHH	-0.0611
Gm08	43369130	43370129	Gmdrm	hypo	CHH	-0.0158
Gm08	43370154	43370822	Gmdrm	hypo	CHH	-0.0273
Gm08	43379744	43380662	Gmdrm	hypo	CHH	-0.0133
Gm08	43395941	43396926	Gmdrm	hypo	CHH	-0.0182
Gm08	43399581	43400579	Gmdrm	hypo	CHH	-0.0201
Gm08	43400583	43401579	Gmdrm	hypo	CHH	-0.06
Gm08	43401595	43402566	Gmdrm	hypo	CHH	-0.0344
Gm08	43409076	43409397	Gmdrm	hypo	CHH	-0.0819
Gm08	43409818	43410789	Gmdrm	hypo	CHH	-0.0256
Gm08	43412664	43413660	Gmdrm	hypo	CHH	-0.0667
Gm08	43413669	43414635	Gmdrm	hypo	CHH	-0.0422
Gm08	43417239	43418239	Gmdrm	hypo	CHH	-0.0429
Gm08	43418253	43419253	Gmdrm	hypo	CHH	-0.0664
Gm08	43419269	43420239	Gmdrm	hypo	CHH	-0.0338
Gm08	43427374	43427798	Gmdrm	hypo	CHH	-0.022
Gm08	43434327	43435326	Gmdrm	hypo	CHH	-0.1877
Gm08	43435328	43436314	Gmdrm	hypo	CHH	-0.0129
Gm08	43441848	43442836	Gmdrm	hypo	CHH	-0.0529
Gm08	43444262	43445262	Gmdrm	hypo	CHH	-0.249
Gm08	43445264	43446104	Gmdrm	hypo	CHH	-0.0378
Gm08	43447857	43448827	Gmdrm	hypo	CHH	-0.0545
Gm08	43453677	43454676	Gmdrm	hypo	CHH	-0.013
Gm08	43454687	43455662	Gmdrm	hypo	CHH	-0.03
Gm08	43455688	43456648	Gmdrm	hypo	CHH	-0.0225
Gm08	43456732	43457712	Gmdrm	hypo	CHH	-0.0125
Gm08	43460277	43460703	Gmdrm	hypo	CHH	-0.0252
Gm08	43469695	43470689	Gmdrm	hypo	CHH	-0.1327
Gm08	43470706	43471702	Gmdrm	hypo	CHH	-0.1932
Gm08	43472690	43473665	Gmdrm	hypo	CHH	-0.0989
Gm08	43480452	43480752	Gmdrm	hypo	CHH	-0.0549

Gm08	43495257	43496249	Gmdrm	hypo	CHH	-0.1269
Gm08	43503373	43504367	Gmdrm	hypo	CHH	-0.0168
Gm08	43509371	43510356	Gmdrm	hypo	CHH	-0.0812
Gm08	43511889	43512089	Gmdrm	hypo	CHH	-0.072
Gm08	43516277	43517274	Gmdrm	hypo	CHH	-0.208
Gm08	43517284	43518271	Gmdrm	hypo	CHH	-0.1661
Gm08	43529744	43530392	Gmdrm	hypo	CHH	-0.0239
Gm08	43538940	43539936	Gmdrm	hypo	CHH	-0.0224
Gm08	43539941	43540897	Gmdrm	hypo	CHH	-0.0358
Gm08	43541594	43542525	Gmdrm	hypo	CHH	-0.0221
Gm08	43553124	43554118	Gmdrm	hypo	CHH	-0.0264
Gm08	43556150	43556692	Gmdrm	hypo	CHH	-0.0273
Gm08	43580912	43581860	Gmdrm	hypo	CHH	-0.0172
Gm08	43581926	43582926	Gmdrm	hypo	CHH	-0.0319
Gm08	43582935	43583929	Gmdrm	hypo	CHH	-0.0358
Gm08	43583939	43584870	Gmdrm	hypo	CHH	-0.018
Gm08	43589002	43589051	Gmdrm	hypo	CHH	-0.126
Gm08	43603118	43604117	Gmdrm	hypo	CHH	-0.102
Gm08	43612983	43613890	Gmdrm	hypo	CHH	-0.0313
Gm08	43622551	43623531	Gmdrm	hypo	CHH	-0.0166
Gm08	43623552	43624392	Gmdrm	hypo	CHH	-0.0218
Gm08	43624533	43625297	Gmdrm	hypo	CHH	-0.0286
Gm08	43645502	43646491	Gmdrm	hypo	CHH	-0.0385
Gm08	43649415	43650398	Gmdrm	hypo	CHH	-0.0223
Gm08	43656190	43657154	Gmdrm	hypo	CHH	-0.0102
Gm08	43664436	43664573	Gmdrm	hypo	CHH	-0.056
Gm08	43666783	43667781	Gmdrm	hypo	CHH	-0.0234
Gm08	43667784	43668784	Gmdrm	hypo	CHH	-0.0693
Gm08	43670841	43671817	Gmdrm	hypo	CHH	-0.0162
Gm08	43677726	43678723	Gmdrm	hypo	CHH	-0.0503
Gm08	43706820	43707803	Gmdrm	hypo	CHH	-0.0456
Gm08	43711231	43712211	Gmdrm	hypo	CHH	-0.0311
Gm08	43729309	43730175	Gmdrm	hypo	CHH	-0.0252
Gm08	43733017	43733804	Gmdrm	hypo	CHH	-0.0251
Gm08	43736468	43737467	Gmdrm	hypo	CHH	-0.0789
Gm08	43737474	43738473	Gmdrm	hypo	CHH	-0.0537
Gm08	43740076	43741069	Gmdrm	hypo	CHH	-0.0248
Gm08	43741086	43742057	Gmdrm	hypo	CHH	-0.0297
Gm08	43742118	43743101	Gmdrm	hypo	CHH	-0.0246
Gm08	43743121	43744118	Gmdrm	hypo	CHH	-0.1241
Gm08	43751938	43752878	Gmdrm	hypo	CHH	-0.1808
Gm08	43752942	43753942	Gmdrm	hypo	CHH	-0.0317
Gm08	43753950	43754745	Gmdrm	hypo	CHH	-0.0226
Gm08	43755816	43756810	Gmdrm	hypo	CHH	-0.0414
Gm08	43756833	43757833	Gmdrm	hypo	CHH	-0.0451
Gm08	43760900	43761766	Gmdrm	hypo	CHH	-0.0806

Gm08	43764144	43764278	Gmdrm	hypo	CHH	-0.08
Gm08	43768758	43769756	Gmdrm	hypo	CHH	-0.0383
Gm08	43769762	43770752	Gmdrm	hypo	CHH	-0.0922
Gm08	43782187	43783181	Gmdrm	hypo	CHH	-0.0551
Gm08	43783188	43784188	Gmdrm	hypo	CHH	-0.0865
Gm08	43784194	43785182	Gmdrm	hypo	CHH	-0.1741
Gm08	43791988	43792969	Gmdrm	hypo	CHH	-0.3393
Gm08	43794390	43795360	Gmdrm	hypo	CHH	-0.0181
Gm08	43799736	43800735	Gmdrm	hypo	CHH	-0.1363
Gm08	43809451	43810448	Gmdrm	hypo	CHH	-0.0182
Gm08	43810454	43811454	Gmdrm	hypo	CHH	-0.0302
Gm08	43828189	43829181	Gmdrm	hypo	CHH	-0.0824
Gm08	43829201	43830201	Gmdrm	hypo	CHH	-0.0694
Gm08	43830207	43831195	Gmdrm	hypo	CHH	-0.1346
Gm08	43831251	43832246	Gmdrm	hypo	CHH	-0.0293
Gm08	43833306	43833824	Gmdrm	hypo	CHH	-0.1107
Gm08	43834020	43834288	Gmdrm	hypo	CHH	-0.1726
Gm08	43834429	43835420	Gmdrm	hypo	CHH	-0.1601
Gm08	43837237	43838236	Gmdrm	hypo	CHH	-0.0274
Gm08	43839407	43840405	Gmdrm	hypo	CHH	-0.0528
Gm08	43841418	43842389	Gmdrm	hypo	CHH	-0.0818
Gm08	43846483	43847460	Gmdrm	hypo	CHH	-0.0374
Gm08	43858775	43859763	Gmdrm	hypo	CHH	-0.14
Gm08	43859796	43860795	Gmdrm	hypo	CHH	-0.1554
Gm08	43875438	43876184	Gmdrm	hypo	CHH	-0.2037
Gm08	43876847	43877818	Gmdrm	hypo	CHH	-0.0353
Gm08	43879387	43880387	Gmdrm	hypo	CHH	-0.249
Gm08	43881390	43882298	Gmdrm	hypo	CHH	-0.0203
Gm08	43886623	43887619	Gmdrm	hypo	CHH	-0.1392
Gm08	43901260	43902124	Gmdrm	hypo	CHH	-0.0453
Gm08	43902257	43903222	Gmdrm	hypo	CHH	-0.1025
Gm08	43903326	43903530	Gmdrm	hypo	CHH	-0.046
Gm08	43903713	43904567	Gmdrm	hypo	CHH	-0.1558
Gm08	43904907	43905889	Gmdrm	hypo	CHH	-0.0972
Gm08	43908937	43909888	Gmdrm	hypo	CHH	-0.1599
Gm08	43909969	43910961	Gmdrm	hypo	CHH	-0.1863
Gm08	43910981	43911978	Gmdrm	hypo	CHH	-0.1734
Gm08	43911991	43912963	Gmdrm	hypo	CHH	-0.2321
Gm08	43925192	43926187	Gmdrm	hypo	CHH	-0.1324
Gm08	43926226	43927226	Gmdrm	hypo	CHH	-0.2189
Gm08	43927227	43928215	Gmdrm	hypo	CHH	-0.1127
Gm08	43928235	43929196	Gmdrm	hypo	CHH	-0.0322
Gm08	43930605	43931604	Gmdrm	hypo	CHH	-0.252
Gm08	43932658	43933658	Gmdrm	hypo	CHH	-0.1428
Gm08	43933777	43934774	Gmdrm	hypo	CHH	-0.098
Gm08	43934779	43935773	Gmdrm	hypo	CHH	-0.1266

Gm08	43942879	43943860	Gmdrm	hypo	CHH	-0.0801
Gm08	43943882	43944882	Gmdrm	hypo	CHH	-0.0634
Gm08	43951521	43952518	Gmdrm	hypo	CHH	-0.0832
Gm08	43956406	43957230	Gmdrm	hypo	CHH	-0.0431
Gm08	43958029	43959025	Gmdrm	hypo	CHH	-0.0715
Gm08	43969983	43970167	Gmdrm	hypo	CHH	-0.5432
Gm08	43970275	43970656	Gmdrm	hypo	CHH	-0.0294
Gm08	43977375	43978336	Gmdrm	hypo	CHH	-0.0451
Gm08	43981218	43982218	Gmdrm	hypo	CHH	-0.0198
Gm08	43985597	43986590	Gmdrm	hypo	CHH	-0.2296
Gm08	43986599	43987574	Gmdrm	hypo	CHH	-0.0502
Gm08	43989109	43990108	Gmdrm	hypo	CHH	-0.0482
Gm08	43990115	43991113	Gmdrm	hypo	CHH	-0.0478
Gm08	43995027	43995953	Gmdrm	hypo	CHH	-0.1239
Gm08	43996052	43997050	Gmdrm	hypo	CHH	-0.0613
Gm08	44000632	44001606	Gmdrm	hypo	CHH	-0.0712
Gm08	44001643	44002050	Gmdrm	hypo	CHH	-0.0387
Gm08	44003772	44004720	Gmdrm	hypo	CHH	-0.1457
Gm08	44006834	44007781	Gmdrm	hypo	CHH	-0.0277
Gm08	44012301	44013301	Gmdrm	hypo	CHH	-0.0733
Gm08	44013302	44014298	Gmdrm	hypo	CHH	-0.0885
Gm08	44016028	44017028	Gmdrm	hypo	CHH	-0.0158
Gm08	44018061	44019060	Gmdrm	hypo	CHH	-0.0572
Gm08	44019063	44020041	Gmdrm	hypo	CHH	-0.0556
Gm08	44026632	44027630	Gmdrm	hypo	CHH	-0.0578
Gm08	44027635	44028614	Gmdrm	hypo	CHH	-0.0397
Gm08	44034315	44035310	Gmdrm	hypo	CHH	-0.0447
Gm08	44035317	44036316	Gmdrm	hypo	CHH	-0.2053
Gm08	44036318	44037281	Gmdrm	hypo	CHH	-0.1845
Gm08	44037323	44038313	Gmdrm	hypo	CHH	-0.0544
Gm08	44041392	44042371	Gmdrm	hypo	CHH	-0.302
Gm08	44050560	44051556	Gmdrm	hypo	CHH	-0.3288
Gm08	44051570	44052570	Gmdrm	hypo	CHH	-0.1043
Gm08	44069699	44069767	Gmdrm	hypo	CHH	-0.066
Gm08	44073174	44073453	Gmdrm	hypo	CHH	-0.0219
Gm08	44073600	44074599	Gmdrm	hypo	CHH	-0.0568
Gm08	44104067	44104550	Gmdrm	hypo	CHH	-0.2643
Gm08	44106777	44107057	Gmdrm	hypo	CHH	-0.0567
Gm08	44112601	44113600	Gmdrm	hypo	CHH	-0.0216
Gm08	44116447	44117417	Gmdrm	hypo	CHH	-0.031
Gm08	44120379	44121275	Gmdrm	hypo	CHH	-0.0209
Gm08	44123620	44124606	Gmdrm	hypo	CHH	-0.0775
Gm08	44146402	44147398	Gmdrm	hypo	CHH	-0.3925
Gm08	44148784	44149784	Gmdrm	hypo	CHH	-0.1039
Gm08	44151814	44152800	Gmdrm	hypo	CHH	-0.09
Gm08	44153881	44154879	Gmdrm	hypo	CHH	-0.0112

Gm08	44157196	44158174	Gmdrm	hypo	CHH	-0.0242
Gm08	44162238	44163233	Gmdrm	hypo	CHH	-0.064
Gm08	44163240	44164239	Gmdrm	hypo	CHH	-0.1659
Gm08	44165266	44166263	Gmdrm	hypo	CHH	-0.0286
Gm08	44170304	44171239	Gmdrm	hypo	CHH	-0.0292
Gm08	44180114	44180827	Gmdrm	hypo	CHH	-0.0221
Gm08	44187095	44188089	Gmdrm	hypo	CHH	-0.0289
Gm08	44189133	44190132	Gmdrm	hypo	CHH	-0.0332
Gm08	44190147	44191095	Gmdrm	hypo	CHH	-0.0381
Gm08	44195190	44196174	Gmdrm	hypo	CHH	-0.0238
Gm08	44200280	44200878	Gmdrm	hypo	CHH	-0.0491
Gm08	44201228	44202206	Gmdrm	hypo	CHH	-0.0276
Gm08	44205955	44206924	Gmdrm	hypo	CHH	-0.0203
Gm08	44214230	44215042	Gmdrm	hypo	CHH	-0.0209
Gm08	44215145	44216123	Gmdrm	hypo	CHH	-0.1515
Gm08	44224131	44224599	Gmdrm	hypo	CHH	-0.0644
Gm08	44228634	44229614	Gmdrm	hypo	CHH	-0.0258
Gm08	44229641	44230619	Gmdrm	hypo	CHH	-0.0591
Gm08	44230655	44231611	Gmdrm	hypo	CHH	-0.1521
Gm08	44235260	44236256	Gmdrm	hypo	CHH	-0.1232
Gm08	44247813	44248804	Gmdrm	hypo	CHH	-0.0135
Gm08	44256373	44257243	Gmdrm	hypo	CHH	-0.0649
Gm08	44259648	44259846	Gmdrm	hypo	CHH	-0.073
Gm08	44264120	44265051	Gmdrm	hypo	CHH	-0.0573
Gm08	44270374	44271371	Gmdrm	hypo	CHH	-0.0411
Gm08	44272052	44273039	Gmdrm	hypo	CHH	-0.0586
Gm08	44273058	44274033	Gmdrm	hypo	CHH	-0.1062
Gm08	44277134	44278129	Gmdrm	hypo	CHH	-0.0222
Gm08	44278151	44279149	Gmdrm	hypo	CHH	-0.0442
Gm08	44279152	44280150	Gmdrm	hypo	CHH	-0.0575
Gm08	44281178	44282166	Gmdrm	hypo	CHH	-0.1063
Gm08	44284528	44285518	Gmdrm	hypo	CHH	-0.0134
Gm08	44288950	44289949	Gmdrm	hypo	CHH	-0.0562
Gm08	44290277	44291262	Gmdrm	hypo	CHH	-0.0585
Gm08	44326153	44327090	Gmdrm	hypo	CHH	-0.1012
Gm08	44327347	44328346	Gmdrm	hypo	CHH	-0.0567
Gm08	44328352	44329339	Gmdrm	hypo	CHH	-0.0186
Gm08	44331364	44332343	Gmdrm	hypo	CHH	-0.0197
Gm08	44332368	44333365	Gmdrm	hypo	CHH	-0.0467
Gm08	44333373	44334333	Gmdrm	hypo	CHH	-0.022
Gm08	44341275	44342274	Gmdrm	hypo	CHH	-0.2117
Gm08	44343530	44344522	Gmdrm	hypo	CHH	-0.0135
Gm08	44349827	44350822	Gmdrm	hypo	CHH	-0.0178
Gm08	44371530	44372517	Gmdrm	hypo	CHH	-0.0369
Gm08	44372542	44373542	Gmdrm	hypo	CHH	-0.1171
Gm08	44373544	44374172	Gmdrm	hypo	CHH	-0.1459

Gm08	44381017	44381397 Gmdrm	hypo	CHH	-0.0416
Gm08	44399785	44400781 Gmdrm	hypo	CHH	-0.188
Gm08	44417741	44418730 Gmdrm	hypo	CHH	-0.0199
Gm08	44424723	44425366 Gmdrm	hypo	CHH	-0.0158
Gm08	44430362	44431326 Gmdrm	hypo	CHH	-0.0277
Gm08	44440549	44441533 Gmdrm	hypo	CHH	-0.0195
Gm08	44446265	44447264 Gmdrm	hypo	CHH	-0.1244
Gm08	44453554	44454554 Gmdrm	hypo	CHH	-0.0567
Gm08	44463646	44464618 Gmdrm	hypo	CHH	-0.0232
Gm08	44478491	44478997 Gmdrm	hypo	CHH	-0.0182
Gm08	44479872	44480860 Gmdrm	hypo	CHH	-0.0261
Gm08	44491429	44492418 Gmdrm	hypo	CHH	-0.0142
Gm08	44498675	44499665 Gmdrm	hypo	CHH	-0.0276
Gm08	44519228	44520208 Gmdrm	hypo	CHH	-0.0176
Gm08	44542912	44543872 Gmdrm	hypo	CHH	-0.0341
Gm08	44543914	44544907 Gmdrm	hypo	CHH	-0.0573
Gm08	44544926	44545917 Gmdrm	hypo	CHH	-0.0606
Gm08	44554289	44555264 Gmdrm	hypo	CHH	-0.0347
Gm08	44562538	44563534 Gmdrm	hypo	CHH	-0.0771
Gm08	44563540	44564540 Gmdrm	hypo	CHH	-0.1195
Gm08	44581134	44582119 Gmdrm	hypo	CHH	-0.2067
Gm08	44589942	44590906 Gmdrm	hypo	CHH	-0.0192
Gm08	44593195	44594176 Gmdrm	hypo	CHH	-0.0811
Gm08	44595391	44596384 Gmdrm	hypo	CHH	-0.0828
Gm08	44602643	44603156 Gmdrm	hypo	CHH	-0.025
Gm08	44610860	44611321 Gmdrm	hypo	CHH	-0.0312
Gm08	44613905	44614900 Gmdrm	hypo	CHH	-0.0166
Gm08	44624204	44625040 Gmdrm	hypo	CHH	-0.2007
Gm08	44630317	44631310 Gmdrm	hypo	CHH	-0.0319
Gm08	44634301	44635263 Gmdrm	hypo	CHH	-0.0161
Gm08	44635313	44636302 Gmdrm	hypo	CHH	-0.115
Gm08	44636316	44637311 Gmdrm	hypo	CHH	-0.0509
Gm08	44639327	44639875 Gmdrm	hypo	CHH	-0.0212
Gm08	44642068	44643062 Gmdrm	hypo	CHH	-0.0178
Gm08	44643077	44643875 Gmdrm	hypo	CHH	-0.0383
Gm08	44644141	44645125 Gmdrm	hypo	CHH	-0.0491
Gm08	44647378	44647726 Gmdrm	hypo	CHH	-0.122
Gm08	44650947	44651880 Gmdrm	hypo	CHH	-0.0231
Gm08	44663571	44664567 Gmdrm	hypo	CHH	-0.0147
Gm08	44667610	44668609 Gmdrm	hypo	CHH	-0.2272
Gm08	44668614	44669612 Gmdrm	hypo	CHH	-0.1278
Gm08	44670654	44671615 Gmdrm	hypo	CHH	-0.0126
Gm08	44682344	44682786 Gmdrm	hypo	CHH	-0.0263
Gm08	44687560	44688197 Gmdrm	hypo	CHH	-0.0571
Gm08	44693033	44694016 Gmdrm	hypo	CHH	-0.1186
Gm08	44694058	44695046 Gmdrm	hypo	CHH	-0.0481

Gm08	44701792	44702762	Gmdrm	hypo	CHH	-0.0131
Gm08	44742760	44743318	Gmdrm	hypo	CHH	-0.0318
Gm08	44750357	44751353	Gmdrm	hypo	CHH	-0.1201
Gm08	44751360	44752352	Gmdrm	hypo	CHH	-0.014
Gm08	44753374	44754374	Gmdrm	hypo	CHH	-0.0548
Gm08	44754375	44755374	Gmdrm	hypo	CHH	-0.0895
Gm08	44755376	44756355	Gmdrm	hypo	CHH	-0.0814
Gm08	44756382	44757372	Gmdrm	hypo	CHH	-0.0216
Gm08	44761446	44762440	Gmdrm	hypo	CHH	-0.0165
Gm08	44771021	44772020	Gmdrm	hypo	CHH	-0.143
Gm08	44772067	44772389	Gmdrm	hypo	CHH	-0.1218
Gm08	44772515	44772831	Gmdrm	hypo	CHH	-0.1188
Gm08	44773013	44774002	Gmdrm	hypo	CHH	-0.0215
Gm08	44775039	44775838	Gmdrm	hypo	CHH	-0.0457
Gm08	44802664	44803659	Gmdrm	hypo	CHH	-0.014
Gm08	44803684	44804673	Gmdrm	hypo	CHH	-0.0195
Gm08	44805464	44806456	Gmdrm	hypo	CHH	-0.0183
Gm08	44808578	44808888	Gmdrm	hypo	CHH	-0.0394
Gm08	44841458	44842426	Gmdrm	hypo	CHH	-0.0174
Gm08	44850427	44851412	Gmdrm	hypo	CHH	-0.0166
Gm08	44851430	44852399	Gmdrm	hypo	CHH	-0.1761
Gm08	44864062	44865060	Gmdrm	hypo	CHH	-0.0153
Gm08	44870049	44871046	Gmdrm	hypo	CHH	-0.0571
Gm08	44871055	44872005	Gmdrm	hypo	CHH	-0.0528
Gm08	44872066	44873043	Gmdrm	hypo	CHH	-0.0441
Gm08	44878435	44879431	Gmdrm	hypo	CHH	-0.0625
Gm08	44882429	44882890	Gmdrm	hypo	CHH	-0.0536
Gm08	44884333	44885238	Gmdrm	hypo	CHH	-0.0177
Gm08	44888456	44889193	Gmdrm	hypo	CHH	-0.0228
Gm08	44897116	44898106	Gmdrm	hypo	CHH	-0.195
Gm08	44900634	44901394	Gmdrm	hypo	CHH	-0.016
Gm08	44905853	44906844	Gmdrm	hypo	CHH	-0.0161
Gm08	44909351	44910348	Gmdrm	hypo	CHH	-0.1675
Gm08	44910352	44911061	Gmdrm	hypo	CHH	-0.1584
Gm08	44912185	44912742	Gmdrm	hypo	CHH	-0.2514
Gm08	44921611	44922611	Gmdrm	hypo	CHH	-0.018
Gm08	44927011	44927548	Gmdrm	hypo	CHH	-0.0233
Gm08	44929470	44930464	Gmdrm	hypo	CHH	-0.0511
Gm08	44931287	44932148	Gmdrm	hypo	CHH	-0.0237
Gm08	44934293	44935274	Gmdrm	hypo	CHH	-0.0348
Gm08	44954145	44955139	Gmdrm	hypo	CHH	-0.0367
Gm08	44965456	44966436	Gmdrm	hypo	CHH	-0.0118
Gm08	44975454	44976304	Gmdrm	hypo	CHH	-0.0352
Gm08	44979446	44980446	Gmdrm	hypo	CHH	-0.0916
Gm08	44980447	44981420	Gmdrm	hypo	CHH	-0.1346
Gm08	44984106	44985097	Gmdrm	hypo	CHH	-0.028

Gm08	44997716	44998716	Gmdrm	hypo	CHH	-0.0143
Gm08	44998722	44999706	Gmdrm	hypo	CHH	-0.0269
Gm08	45007238	45008238	Gmdrm	hypo	CHH	-0.0278
Gm08	45008247	45009236	Gmdrm	hypo	CHH	-0.0343
Gm08	45018710	45019709	Gmdrm	hypo	CHH	-0.1576
Gm08	45022786	45022879	Gmdrm	hypo	CHH	-0.0428
Gm08	45035521	45036514	Gmdrm	hypo	CHH	-0.0397
Gm08	45070671	45070899	Gmdrm	hypo	CHH	-0.0822
Gm08	45074104	45075104	Gmdrm	hypo	CHH	-0.0138
Gm08	45081055	45082048	Gmdrm	hypo	CHH	-0.052
Gm08	45089413	45090377	Gmdrm	hypo	CHH	-0.1494
Gm08	45093767	45094717	Gmdrm	hypo	CHH	-0.0217
Gm08	45097768	45098452	Gmdrm	hypo	CHH	-0.1493
Gm08	45114770	45115760	Gmdrm	hypo	CHH	-0.0395
Gm08	45128702	45129543	Gmdrm	hypo	CHH	-0.0245
Gm08	45130709	45130809	Gmdrm	hypo	CHH	-0.04
Gm08	45133584	45134584	Gmdrm	hypo	CHH	-0.04
Gm08	45138960	45139959	Gmdrm	hypo	CHH	-0.0409
Gm08	45143282	45144281	Gmdrm	hypo	CHH	-0.0627
Gm08	45144302	45145300	Gmdrm	hypo	CHH	-0.0921
Gm08	45145305	45146280	Gmdrm	hypo	CHH	-0.1033
Gm08	45146309	45147304	Gmdrm	hypo	CHH	-0.1055
Gm08	45147311	45148281	Gmdrm	hypo	CHH	-0.0133
Gm08	45152450	45153449	Gmdrm	hypo	CHH	-0.0899
Gm08	45155487	45156480	Gmdrm	hypo	CHH	-0.158
Gm08	45157496	45158482	Gmdrm	hypo	CHH	-0.0193
Gm08	45162192	45163184	Gmdrm	hypo	CHH	-0.024
Gm08	45167120	45167616	Gmdrm	hypo	CHH	-0.122
Gm08	45177200	45178185	Gmdrm	hypo	CHH	-0.0122
Gm08	45178223	45179084	Gmdrm	hypo	CHH	-0.0526
Gm08	45181524	45182495	Gmdrm	hypo	CHH	-0.0674
Gm08	45189663	45190214	Gmdrm	hypo	CHH	-0.046
Gm08	45191750	45191814	Gmdrm	hypo	CHH	-0.036
Gm08	45196018	45196267	Gmdrm	hypo	CHH	-0.0367
Gm08	45207742	45208060	Gmdrm	hypo	CHH	-0.0984
Gm08	45216043	45216495	Gmdrm	hypo	CHH	-0.0308
Gm08	45220962	45221949	Gmdrm	hypo	CHH	-0.1028
Gm08	45221965	45222917	Gmdrm	hypo	CHH	-0.0849
Gm08	45227939	45228930	Gmdrm	hypo	CHH	-0.0182
Gm08	45257996	45258472	Gmdrm	hypo	CHH	-0.0446
Gm08	45272073	45273060	Gmdrm	hypo	CHH	-0.2849
Gm08	45275101	45275785	Gmdrm	hypo	CHH	-0.1163
Gm08	45279068	45280064	Gmdrm	hypo	CHH	-0.0475
Gm08	45290065	45290719	Gmdrm	hypo	CHH	-0.0253
Gm08	45293546	45294542	Gmdrm	hypo	CHH	-0.0649
Gm08	45309026	45310024	Gmdrm	hypo	CHH	-0.055

Gm08	45310027	45311016 Gmdrm	hypo	CHH	-0.0438
Gm08	45317145	45318144 Gmdrm	hypo	CHH	-0.0477
Gm08	45327219	45328176 Gmdrm	hypo	CHH	-0.019
Gm08	45330423	45331423 Gmdrm	hypo	CHH	-0.0494
Gm08	45331428	45332421 Gmdrm	hypo	CHH	-0.0437
Gm08	45333915	45334900 Gmdrm	hypo	CHH	-0.0178
Gm08	45335944	45336934 Gmdrm	hypo	CHH	-0.0144
Gm08	45336946	45337946 Gmdrm	hypo	CHH	-0.1485
Gm08	45337947	45338208 Gmdrm	hypo	CHH	-0.247
Gm08	45355358	45356325 Gmdrm	hypo	CHH	-0.0185
Gm08	45358459	45358705 Gmdrm	hypo	CHH	-0.0295
Gm08	45364041	45365041 Gmdrm	hypo	CHH	-0.0828
Gm08	45367849	45368815 Gmdrm	hypo	CHH	-0.0196
Gm08	45369096	45370087 Gmdrm	hypo	CHH	-0.0195
Gm08	45370128	45371128 Gmdrm	hypo	CHH	-0.0176
Gm08	45376247	45377244 Gmdrm	hypo	CHH	-0.1588
Gm08	45388520	45389370 Gmdrm	hypo	CHH	-0.1813
Gm08	45389476	45389900 Gmdrm	hypo	CHH	-0.0265
Gm08	45391491	45392111 Gmdrm	hypo	CHH	-0.0452
Gm08	45394279	45395263 Gmdrm	hypo	CHH	-0.0249
Gm08	45399476	45400031 Gmdrm	hypo	CHH	-0.024
Gm08	45423712	45424694 Gmdrm	hypo	CHH	-0.1028
Gm08	45424717	45425397 Gmdrm	hypo	CHH	-0.0615
Gm08	45459321	45460319 Gmdrm	hypo	CHH	-0.0185
Gm08	45462354	45463354 Gmdrm	hypo	CHH	-0.0419
Gm08	45464416	45465389 Gmdrm	hypo	CHH	-0.0377
Gm08	45472745	45472898 Gmdrm	hypo	CHH	-0.037
Gm08	45476703	45477559 Gmdrm	hypo	CHH	-0.0565
Gm08	45479735	45480687 Gmdrm	hypo	CHH	-0.0718
Gm08	45483224	45484175 Gmdrm	hypo	CHH	-0.0133
Gm08	45493621	45494592 Gmdrm	hypo	CHH	-0.0398
Gm08	45499427	45500184 Gmdrm	hypo	CHH	-0.0217
Gm08	45548080	45549059 Gmdrm	hypo	CHH	-0.0217
Gm08	45551740	45552736 Gmdrm	hypo	CHH	-0.012
Gm08	45553809	45554788 Gmdrm	hypo	CHH	-0.0257
Gm08	45567567	45567929 Gmdrm	hypo	CHH	-0.0342
Gm08	45575190	45575927 Gmdrm	hypo	CHH	-0.4364
Gm08	45576038	45577020 Gmdrm	hypo	CHH	-0.1571
Gm08	45577595	45578571 Gmdrm	hypo	CHH	-0.1078
Gm08	45578598	45579579 Gmdrm	hypo	CHH	-0.0219
Gm08	45592741	45593303 Gmdrm	hypo	CHH	-0.0224
Gm08	45602796	45603243 Gmdrm	hypo	CHH	-0.1588
Gm08	45604222	45604589 Gmdrm	hypo	CHH	-0.0707
Gm08	45605145	45606143 Gmdrm	hypo	CHH	-0.089
Gm08	45608375	45609362 Gmdrm	hypo	CHH	-0.0647
Gm08	45609377	45610377 Gmdrm	hypo	CHH	-0.0563

Gm08	45610386	45611358	Gmdrm	hypo	CHH	-0.0683
Gm08	45617602	45618583	Gmdrm	hypo	CHH	-0.0196
Gm08	45619241	45620219	Gmdrm	hypo	CHH	-0.0463
Gm08	45622254	45623236	Gmdrm	hypo	CHH	-0.0855
Gm08	45630239	45631230	Gmdrm	hypo	CHH	-0.1106
Gm08	45631240	45632207	Gmdrm	hypo	CHH	-0.0797
Gm08	45639209	45640202	Gmdrm	hypo	CHH	-0.0154
Gm08	45645401	45645767	Gmdrm	hypo	CHH	-0.0235
Gm08	45655473	45656458	Gmdrm	hypo	CHH	-0.0242
Gm08	45656496	45657495	Gmdrm	hypo	CHH	-0.0369
Gm08	45657513	45658170	Gmdrm	hypo	CHH	-0.1242
Gm08	45675281	45676259	Gmdrm	hypo	CHH	-0.2965
Gm08	45677640	45678640	Gmdrm	hypo	CHH	-0.0465
Gm08	45679663	45680655	Gmdrm	hypo	CHH	-0.0129
Gm08	45690919	45691113	Gmdrm	hypo	CHH	-0.0691
Gm08	45703888	45704875	Gmdrm	hypo	CHH	-0.0564
Gm08	45723710	45724702	Gmdrm	hypo	CHH	-0.0388
Gm08	45728273	45729267	Gmdrm	hypo	CHH	-0.0608
Gm08	45731006	45731995	Gmdrm	hypo	CHH	-0.0509
Gm08	45738899	45739117	Gmdrm	hypo	CHH	-0.2467
Gm08	45740226	45741226	Gmdrm	hypo	CHH	-0.0543
Gm08	45742233	45743225	Gmdrm	hypo	CHH	-0.0129
Gm08	45743604	45744596	Gmdrm	hypo	CHH	-0.0232
Gm08	45747879	45748485	Gmdrm	hypo	CHH	-0.0196
Gm08	45754423	45755411	Gmdrm	hypo	CHH	-0.0198
Gm08	45772040	45772907	Gmdrm	hypo	CHH	-0.0894
Gm08	45776595	45777586	Gmdrm	hypo	CHH	-0.0368
Gm08	45785394	45786378	Gmdrm	hypo	CHH	-0.0138
Gm08	45801526	45802512	Gmdrm	hypo	CHH	-0.0665
Gm08	45809370	45810343	Gmdrm	hypo	CHH	-0.0341
Gm08	45829393	45829737	Gmdrm	hypo	CHH	-0.049
Gm08	45829975	45830166	Gmdrm	hypo	CHH	-0.116
Gm08	45839324	45840287	Gmdrm	hypo	CHH	-0.0474
Gm08	45840381	45841380	Gmdrm	hypo	CHH	-0.1482
Gm08	45865166	45866163	Gmdrm	hypo	CHH	-0.0303
Gm08	45866953	45867912	Gmdrm	hypo	CHH	-0.0205
Gm08	45896553	45897552	Gmdrm	hypo	CHH	-0.173
Gm08	45897558	45898542	Gmdrm	hypo	CHH	-0.1533
Gm08	45907217	45908211	Gmdrm	hypo	CHH	-0.0123
Gm08	45908224	45909205	Gmdrm	hypo	CHH	-0.0291
Gm08	45909251	45910251	Gmdrm	hypo	CHH	-0.0261
Gm08	45913339	45914336	Gmdrm	hypo	CHH	-0.0169
Gm08	45917918	45918887	Gmdrm	hypo	CHH	-0.0171
Gm08	45927369	45928357	Gmdrm	hypo	CHH	-0.028
Gm08	45928383	45929358	Gmdrm	hypo	CHH	-0.1514
Gm08	45935148	45935711	Gmdrm	hypo	CHH	-0.026

Gm08	45942383	45943061	Gmdrm	hypo	CHH	-0.0172
Gm08	45945197	45946195	Gmdrm	hypo	CHH	-0.0188
Gm08	45951819	45952806	Gmdrm	hypo	CHH	-0.0111
Gm08	45957021	45958019	Gmdrm	hypo	CHH	-0.0324
Gm08	45958024	45959021	Gmdrm	hypo	CHH	-0.0535
Gm08	45964892	45965674	Gmdrm	hypo	CHH	-0.04
Gm08	45968337	45969337	Gmdrm	hypo	CHH	-0.0606
Gm08	45969343	45970334	Gmdrm	hypo	CHH	-0.1243
Gm08	45970358	45971274	Gmdrm	hypo	CHH	-0.0568
Gm08	45981621	45982608	Gmdrm	hypo	CHH	-0.0189
Gm08	45985432	45986429	Gmdrm	hypo	CHH	-0.0113
Gm08	45988494	45989478	Gmdrm	hypo	CHH	-0.0236
Gm08	45992113	45993049	Gmdrm	hypo	CHH	-0.0275
Gm08	46002330	46003330	Gmdrm	hypo	CHH	-0.0195
Gm08	46009051	46010045	Gmdrm	hypo	CHH	-0.0312
Gm08	46013125	46013213	Gmdrm	hypo	CHH	-0.08
Gm08	46014346	46014615	Gmdrm	hypo	CHH	-0.1123
Gm08	46014820	46015712	Gmdrm	hypo	CHH	-0.0537
Gm08	46015817	46016809	Gmdrm	hypo	CHH	-0.0341
Gm08	46017329	46018322	Gmdrm	hypo	CHH	-0.0869
Gm08	46018330	46019329	Gmdrm	hypo	CHH	-0.0388
Gm08	46019497	46020481	Gmdrm	hypo	CHH	-0.0219
Gm08	46020499	46021495	Gmdrm	hypo	CHH	-0.0289
Gm08	46021500	46022498	Gmdrm	hypo	CHH	-0.0361
Gm08	46029931	46030927	Gmdrm	hypo	CHH	-0.0787
Gm08	46033567	46034556	Gmdrm	hypo	CHH	-0.016
Gm08	46036608	46037513	Gmdrm	hypo	CHH	-0.0352
Gm08	46037609	46037727	Gmdrm	hypo	CHH	-0.055
Gm08	46037833	46038818	Gmdrm	hypo	CHH	-0.0441
Gm08	46038843	46039837	Gmdrm	hypo	CHH	-0.0238
Gm08	46051581	46052484	Gmdrm	hypo	CHH	-0.014
Gm08	46054931	46055061	Gmdrm	hypo	CHH	-0.1414
Gm08	46059328	46060299	Gmdrm	hypo	CHH	-0.1264
Gm08	46063323	46063464	Gmdrm	hypo	CHH	-0.07
Gm08	46074781	46075778	Gmdrm	hypo	CHH	-0.0837
Gm08	46075784	46076782	Gmdrm	hypo	CHH	-0.2957
Gm08	46079910	46080167	Gmdrm	hypo	CHH	-0.0443
Gm08	46088725	46089475	Gmdrm	hypo	CHH	-0.0234
Gm08	46094153	46095152	Gmdrm	hypo	CHH	-0.022
Gm08	46099487	46100483	Gmdrm	hypo	CHH	-0.0282
Gm08	46100495	46101495	Gmdrm	hypo	CHH	-0.0683
Gm08	46101504	46102504	Gmdrm	hypo	CHH	-0.1135
Gm08	46107586	46108536	Gmdrm	hypo	CHH	-0.0226
Gm08	46121738	46121783	Gmdrm	hypo	CHH	-0.0943
Gm08	46135017	46136013	Gmdrm	hypo	CHH	-0.022
Gm08	46136973	46137930	Gmdrm	hypo	CHH	-0.0417

Gm08	46140248	46141245 Gmdrm	hypo	CHH	-0.1174
Gm08	46141254	46142233 Gmdrm	hypo	CHH	-0.0499
Gm08	46146230	46146930 Gmdrm	hypo	CHH	-0.1423
Gm08	46147047	46147366 Gmdrm	hypo	CHH	-0.2008
Gm08	46162420	46163392 Gmdrm	hypo	CHH	-0.0244
Gm08	46163422	46164411 Gmdrm	hypo	CHH	-0.0362
Gm08	46164443	46165443 Gmdrm	hypo	CHH	-0.0593
Gm08	46165444	46166417 Gmdrm	hypo	CHH	-0.065
Gm08	46175603	46176586 Gmdrm	hypo	CHH	-0.0162
Gm08	46181167	46182143 Gmdrm	hypo	CHH	-0.1782
Gm08	46201348	46202342 Gmdrm	hypo	CHH	-0.05
Gm08	46210068	46210893 Gmdrm	hypo	CHH	-0.0165
Gm08	46211367	46212365 Gmdrm	hypo	CHH	-0.0196
Gm08	46212374	46213322 Gmdrm	hypo	CHH	-0.0429
Gm08	46213489	46214482 Gmdrm	hypo	CHH	-0.022
Gm08	46215543	46216534 Gmdrm	hypo	CHH	-0.2389
Gm08	46216548	46217543 Gmdrm	hypo	CHH	-0.0597
Gm08	46217570	46218562 Gmdrm	hypo	CHH	-0.0304
Gm08	46229456	46229904 Gmdrm	hypo	CHH	-0.0308
Gm08	46230428	46231423 Gmdrm	hypo	CHH	-0.0182
Gm08	46231446	46232254 Gmdrm	hypo	CHH	-0.0497
Gm08	46249810	46250805 Gmdrm	hypo	CHH	-0.0672
Gm08	46250812	46251696 Gmdrm	hypo	CHH	-0.0505
Gm08	46253978	46254976 Gmdrm	hypo	CHH	-0.0226
Gm08	46258311	46259311 Gmdrm	hypo	CHH	-0.012
Gm08	46264135	46265134 Gmdrm	hypo	CHH	-0.0551
Gm08	46266142	46267129 Gmdrm	hypo	CHH	-0.0464
Gm08	46278568	46279566 Gmdrm	hypo	CHH	-0.2287
Gm08	46288118	46289116 Gmdrm	hypo	CHH	-0.1348
Gm08	46297361	46298361 Gmdrm	hypo	CHH	-0.0212
Gm08	46309026	46309961 Gmdrm	hypo	CHH	-0.0238
Gm08	46319150	46320111 Gmdrm	hypo	CHH	-0.1241
Gm08	46320204	46321128 Gmdrm	hypo	CHH	-0.0609
Gm08	46327288	46328287 Gmdrm	hypo	CHH	-0.0121
Gm08	46334068	46335057 Gmdrm	hypo	CHH	-0.2412
Gm08	46341885	46342103 Gmdrm	hypo	CHH	-0.1627
Gm08	46346122	46347121 Gmdrm	hypo	CHH	-0.0126
Gm08	46349260	46350259 Gmdrm	hypo	CHH	-0.0216
Gm08	46353449	46354427 Gmdrm	hypo	CHH	-0.1383
Gm08	46354493	46355489 Gmdrm	hypo	CHH	-0.0173
Gm08	46355511	46356497 Gmdrm	hypo	CHH	-0.0168
Gm08	46356592	46357576 Gmdrm	hypo	CHH	-0.0156
Gm08	46365378	46366196 Gmdrm	hypo	CHH	-0.0372
Gm08	46366322	46367322 Gmdrm	hypo	CHH	-0.0285
Gm08	46376100	46377097 Gmdrm	hypo	CHH	-0.0197
Gm08	46377667	46377741 Gmdrm	hypo	CHH	-0.094

Gm08	46388595	46389593	Gmdrm	hypo	CHH	-0.0104
Gm08	46392047	46393046	Gmdrm	hypo	CHH	-0.0507
Gm08	46393052	46394048	Gmdrm	hypo	CHH	-0.0138
Gm08	46413089	46414082	Gmdrm	hypo	CHH	-0.043
Gm08	46417186	46418182	Gmdrm	hypo	CHH	-0.0837
Gm08	46418906	46419809	Gmdrm	hypo	CHH	-0.057
Gm08	46419923	46420920	Gmdrm	hypo	CHH	-0.015
Gm08	46426677	46427673	Gmdrm	hypo	CHH	-0.078
Gm08	46429619	46430612	Gmdrm	hypo	CHH	-0.0551
Gm08	46437234	46438229	Gmdrm	hypo	CHH	-0.0217
Gm08	46444669	46445668	Gmdrm	hypo	CHH	-0.019
Gm08	46445676	46446661	Gmdrm	hypo	CHH	-0.0598
Gm08	46452830	46453247	Gmdrm	hypo	CHH	-0.1194
Gm08	46459511	46460503	Gmdrm	hypo	CHH	-0.332
Gm08	46461539	46462538	Gmdrm	hypo	CHH	-0.0215
Gm08	46468327	46469309	Gmdrm	hypo	CHH	-0.1359
Gm08	46475520	46476515	Gmdrm	hypo	CHH	-0.0683
Gm08	46489641	46490632	Gmdrm	hypo	CHH	-0.0652
Gm08	46490647	46491312	Gmdrm	hypo	CHH	-0.2041
Gm08	46496248	46497248	Gmdrm	hypo	CHH	-0.0405
Gm08	46509476	46510408	Gmdrm	hypo	CHH	-0.0234
Gm08	46526715	46527706	Gmdrm	hypo	CHH	-0.0353
Gm08	46527788	46528773	Gmdrm	hypo	CHH	-0.033
Gm08	46528836	46529815	Gmdrm	hypo	CHH	-0.0191
Gm08	46529887	46530798	Gmdrm	hypo	CHH	-0.0201
Gm08	46549436	46550424	Gmdrm	hypo	CHH	-0.0333
Gm08	46565231	46566168	Gmdrm	hypo	CHH	-0.0504
Gm08	46572547	46573528	Gmdrm	hypo	CHH	-0.0278
Gm08	46578720	46579719	Gmdrm	hypo	CHH	-0.1195
Gm08	46579725	46580718	Gmdrm	hypo	CHH	-0.0592
Gm08	46591369	46592342	Gmdrm	hypo	CHH	-0.0196
Gm08	46596055	46597048	Gmdrm	hypo	CHH	-0.0906
Gm08	46611456	46612130	Gmdrm	hypo	CHH	-0.0305
Gm08	46622821	46623805	Gmdrm	hypo	CHH	-0.0225
Gm08	46623825	46624812	Gmdrm	hypo	CHH	-0.0308
Gm08	46626482	46626662	Gmdrm	hypo	CHH	-0.1369
Gm08	46627766	46628559	Gmdrm	hypo	CHH	-0.0168
Gm08	46632749	46633107	Gmdrm	hypo	CHH	-0.3777
Gm08	46638400	46639399	Gmdrm	hypo	CHH	-0.0343
Gm08	46643223	46643951	Gmdrm	hypo	CHH	-0.0385
Gm08	46650346	46651344	Gmdrm	hypo	CHH	-0.1149
Gm08	46656135	46657134	Gmdrm	hypo	CHH	-0.3239
Gm08	46657141	46657433	Gmdrm	hypo	CHH	-0.6547
Gm08	46665694	46666252	Gmdrm	hypo	CHH	-0.0168
Gm08	46693866	46694839	Gmdrm	hypo	CHH	-0.0346
Gm08	46708242	46709230	Gmdrm	hypo	CHH	-0.0409

Gm08	46711271	46711982	Gmdrm	hypo	CHH	-0.0162
Gm08	46739084	46739909	Gmdrm	hypo	CHH	-0.0538
Gm08	46741144	46742139	Gmdrm	hypo	CHH	-0.0133
Gm08	46752520	46753254	Gmdrm	hypo	CHH	-0.0205
Gm08	46765467	46766463	Gmdrm	hypo	CHH	-0.0276
Gm08	46766468	46767467	Gmdrm	hypo	CHH	-0.0316
Gm08	46767474	46768364	Gmdrm	hypo	CHH	-0.0176
Gm08	46801189	46802189	Gmdrm	hypo	CHH	-0.0113
Gm08	46805214	46806203	Gmdrm	hypo	CHH	-0.0365
Gm08	46808279	46809275	Gmdrm	hypo	CHH	-0.0356
Gm08	46811996	46812995	Gmdrm	hypo	CHH	-0.0419
Gm08	46812997	46813985	Gmdrm	hypo	CHH	-0.1798
Gm08	46819564	46820561	Gmdrm	hypo	CHH	-0.0282
Gm08	46829199	46830125	Gmdrm	hypo	CHH	-0.1938
Gm08	46844418	46845390	Gmdrm	hypo	CHH	-0.0219
Gm08	46856999	46857419	Gmdrm	hypo	CHH	-0.0226
Gm08	46866647	46867643	Gmdrm	hypo	CHH	-0.0544
Gm08	46867671	46867954	Gmdrm	hypo	CHH	-0.0575
Gm08	46877013	46878012	Gmdrm	hypo	CHH	-0.0878
Gm08	46878014	46878636	Gmdrm	hypo	CHH	-0.0562
Gm08	46882863	46883863	Gmdrm	hypo	CHH	-0.0413
Gm08	46883865	46884727	Gmdrm	hypo	CHH	-0.0364
Gm08	46902015	46903006	Gmdrm	hypo	CHH	-0.0611
Gm08	46907392	46908391	Gmdrm	hypo	CHH	-0.0819
Gm08	46908396	46909386	Gmdrm	hypo	CHH	-0.0652
Gm08	46922578	46923578	Gmdrm	hypo	CHH	-0.1327
Gm08	46931042	46931392	Gmdrm	hypo	CHH	-0.0567
Gm08	46935787	46936771	Gmdrm	hypo	CHH	-0.0163
Gm08	46941762	46942753	Gmdrm	hypo	CHH	-0.3506
Gm08	46968021	46969018	Gmdrm	hypo	CHH	-0.0808
Gm08	46969038	46970020	Gmdrm	hypo	CHH	-0.0662
Gm08	46974343	46975163	Gmdrm	hypo	CHH	-0.0364
Gm08	46975284	46976281	Gmdrm	hypo	CHH	-0.0783
Gm08	46976290	46977277	Gmdrm	hypo	CHH	-0.0239
Gm08	46986661	46987656	Gmdrm	hypo	CHH	-0.107
Gm08	46993638	46994630	Gmdrm	hypo	CHH	-0.0223
Gm08	47002949	47003946	Gmdrm	hypo	CHH	-0.0553
Gm08	47007315	47008241	Gmdrm	hypo	CHH	-0.1287
Gm08	47017531	47018509	Gmdrm	hypo	CHH	-0.0306
Gm08	47021042	47022016	Gmdrm	hypo	CHH	-0.0169
Gm08	47022061	47023049	Gmdrm	hypo	CHH	-0.0254
Gm08	47023072	47024066	Gmdrm	hypo	CHH	-0.0505
Gm08	47024102	47025078	Gmdrm	hypo	CHH	-0.0241
Gm08	47030204	47031203	Gmdrm	hypo	CHH	-0.0425
Gm08	47031660	47032657	Gmdrm	hypo	CHH	-0.0323
Gm08	47032675	47033667	Gmdrm	hypo	CHH	-0.0128

Gm08	47040490	47041487 Gmdrm	hypo	CHH	-0.1083
Gm08	47042495	47043482 Gmdrm	hypo	CHH	-0.0694
Gm08	47044504	47045496 Gmdrm	hypo	CHH	-0.0505
Gm08	47056438	47057421 Gmdrm	hypo	CHH	-0.0598
Gm08	47057467	47058443 Gmdrm	hypo	CHH	-0.1069
Gm08	47059482	47060451 Gmdrm	hypo	CHH	-0.0584
Gm08	47060486	47061483 Gmdrm	hypo	CHH	-0.0166
Gm08	47061488	47062482 Gmdrm	hypo	CHH	-0.0209
Gm08	47078444	47079437 Gmdrm	hypo	CHH	-0.1085
Gm08	47097653	47098650 Gmdrm	hypo	CHH	-0.0491
Gm08	47098660	47099290 Gmdrm	hypo	CHH	-0.0285
Gm08	47107662	47108656 Gmdrm	hypo	CHH	-0.0181
Gm08	47117378	47118378 Gmdrm	hypo	CHH	-0.0222
Gm08	47118388	47119359 Gmdrm	hypo	CHH	-0.1609
Gm08	47125945	47126945 Gmdrm	hypo	CHH	-0.0362
Gm08	47126946	47127927 Gmdrm	hypo	CHH	-0.0742
Gm08	47129978	47130971 Gmdrm	hypo	CHH	-0.0257
Gm08	47132225	47133225 Gmdrm	hypo	CHH	-0.0599
Gm08	47133227	47134227 Gmdrm	hypo	CHH	-0.0897
Gm08	47134687	47135685 Gmdrm	hypo	CHH	-0.0461
Gm08	47135700	47136700 Gmdrm	hypo	CHH	-0.0376
Gm08	47136711	47137706 Gmdrm	hypo	CHH	-0.0786
Gm08	47137722	47138438 Gmdrm	hypo	CHH	-0.2764
Gm08	47150125	47151121 Gmdrm	hypo	CHH	-0.0222
Gm08	47152131	47152196 Gmdrm	hypo	CHH	-0.0511
Gm08	47153878	47154877 Gmdrm	hypo	CHH	-0.0585
Gm08	47160928	47161925 Gmdrm	hypo	CHH	-0.0633
Gm08	47161929	47162047 Gmdrm	hypo	CHH	-0.14
Gm08	47162199	47163194 Gmdrm	hypo	CHH	-0.0521
Gm08	47167687	47168636 Gmdrm	hypo	CHH	-0.0168
Gm08	47188312	47188577 Gmdrm	hypo	CHH	-0.1394
Gm08	47199949	47200863 Gmdrm	hypo	CHH	-0.0221
Gm08	47208885	47209871 Gmdrm	hypo	CHH	-0.1706
Gm08	47209886	47209973 Gmdrm	hypo	CHH	-0.2175
Gm08	47210671	47210745 Gmdrm	hypo	CHH	-0.2967
Gm08	47226240	47227038 Gmdrm	hypo	CHH	-0.0589
Gm09	6149	7102 Gmdrm	hypo	CHH	-0.1139
Gm09	7165	8160 Gmdrm	hypo	CHH	-0.0541
Gm09	17535	18526 Gmdrm	hypo	CHH	-0.0566
Gm09	22309	22989 Gmdrm	hypo	CHH	-0.0245
Gm09	35383	36381 Gmdrm	hypo	CHH	-0.091
Gm09	37412	38411 Gmdrm	hypo	CHH	-0.072
Gm09	38427	39426 Gmdrm	hypo	CHH	-0.0635
Gm09	39441	40381 Gmdrm	hypo	CHH	-0.058
Gm09	41477	42466 Gmdrm	hypo	CHH	-0.02
Gm09	53336	54267 Gmdrm	hypo	CHH	-0.0267

Gm09	54340	55297 Gmdrm	hypo	CHH	-0.1016
Gm09	55350	56341 Gmdrm	hypo	CHH	-0.1247
Gm09	56358	57355 Gmdrm	hypo	CHH	-0.1012
Gm09	57362	57856 Gmdrm	hypo	CHH	-0.0568
Gm09	59690	60495 Gmdrm	hypo	CHH	-0.0356
Gm09	76863	77862 Gmdrm	hypo	CHH	-0.1024
Gm09	80601	81095 Gmdrm	hypo	CHH	-0.1893
Gm09	84906	85905 Gmdrm	hypo	CHH	-0.0379
Gm09	85917	86694 Gmdrm	hypo	CHH	-0.0133
Gm09	89293	90288 Gmdrm	hypo	CHH	-0.0146
Gm09	90301	91195 Gmdrm	hypo	CHH	-0.0775
Gm09	98365	99361 Gmdrm	hypo	CHH	-0.1231
Gm09	113583	114548 Gmdrm	hypo	CHH	-0.0258
Gm09	116739	117738 Gmdrm	hypo	CHH	-0.03
Gm09	117744	118716 Gmdrm	hypo	CHH	-0.0225
Gm09	121430	122417 Gmdrm	hypo	CHH	-0.0167
Gm09	124198	125186 Gmdrm	hypo	CHH	-0.0725
Gm09	143277	144265 Gmdrm	hypo	CHH	-0.0229
Gm09	157529	157683 Gmdrm	hypo	CHH	-0.046
Gm09	174904	175899 Gmdrm	hypo	CHH	-0.0211
Gm09	195659	196631 Gmdrm	hypo	CHH	-0.0213
Gm09	196663	197284 Gmdrm	hypo	CHH	-0.0229
Gm09	197396	198383 Gmdrm	hypo	CHH	-0.0488
Gm09	200138	201138 Gmdrm	hypo	CHH	-0.0882
Gm09	207382	208367 Gmdrm	hypo	CHH	-0.0258
Gm09	216343	217343 Gmdrm	hypo	CHH	-0.0555
Gm09	219198	220192 Gmdrm	hypo	CHH	-0.0229
Gm09	225048	226047 Gmdrm	hypo	CHH	-0.0215
Gm09	226934	227926 Gmdrm	hypo	CHH	-0.0686
Gm09	227950	228943 Gmdrm	hypo	CHH	-0.0219
Gm09	234949	235948 Gmdrm	hypo	CHH	-0.042
Gm09	235957	236951 Gmdrm	hypo	CHH	-0.0345
Gm09	239037	240015 Gmdrm	hypo	CHH	-0.0219
Gm09	248773	249773 Gmdrm	hypo	CHH	-0.0227
Gm09	249776	250747 Gmdrm	hypo	CHH	-0.0725
Gm09	263959	264958 Gmdrm	hypo	CHH	-0.0977
Gm09	264963	265820 Gmdrm	hypo	CHH	-0.0493
Gm09	272238	273220 Gmdrm	hypo	CHH	-0.0185
Gm09	300267	300965 Gmdrm	hypo	CHH	-0.0184
Gm09	310733	311733 Gmdrm	hypo	CHH	-0.0845
Gm09	311736	312724 Gmdrm	hypo	CHH	-0.0182
Gm09	314384	315376 Gmdrm	hypo	CHH	-0.0818
Gm09	315388	316265 Gmdrm	hypo	CHH	-0.1705
Gm09	325854	326840 Gmdrm	hypo	CHH	-0.0259
Gm09	339934	340927 Gmdrm	hypo	CHH	-0.0165
Gm09	346101	347099 Gmdrm	hypo	CHH	-0.0963

Gm09	347116	347271 Gmdrm	hypo	CHH	-0.055
Gm09	350437	350925 Gmdrm	hypo	CHH	-0.0178
Gm09	368365	369365 Gmdrm	hypo	CHH	-0.0136
Gm09	390980	391612 Gmdrm	hypo	CHH	-0.033
Gm09	402656	403519 Gmdrm	hypo	CHH	-0.0136
Gm09	411030	412004 Gmdrm	hypo	CHH	-0.1983
Gm09	420911	421909 Gmdrm	hypo	CHH	-0.0914
Gm09	421915	422887 Gmdrm	hypo	CHH	-0.0443
Gm09	448455	449444 Gmdrm	hypo	CHH	-0.0474
Gm09	459178	460169 Gmdrm	hypo	CHH	-0.0567
Gm09	460180	461171 Gmdrm	hypo	CHH	-0.057
Gm09	463556	464014 Gmdrm	hypo	CHH	-0.0337
Gm09	468339	469333 Gmdrm	hypo	CHH	-0.0249
Gm09	481352	482351 Gmdrm	hypo	CHH	-0.2143
Gm09	482357	483344 Gmdrm	hypo	CHH	-0.1467
Gm09	509365	510358 Gmdrm	hypo	CHH	-0.0292
Gm09	517564	517662 Gmdrm	hypo	CHH	-0.0225
Gm09	542024	543022 Gmdrm	hypo	CHH	-0.0818
Gm09	550721	551708 Gmdrm	hypo	CHH	-0.0199
Gm09	551726	552721 Gmdrm	hypo	CHH	-0.0526
Gm09	556416	557410 Gmdrm	hypo	CHH	-0.0645
Gm09	566498	567491 Gmdrm	hypo	CHH	-0.0217
Gm09	569571	570571 Gmdrm	hypo	CHH	-0.0321
Gm09	570572	571215 Gmdrm	hypo	CHH	-0.0408
Gm09	584661	585659 Gmdrm	hypo	CHH	-0.0681
Gm09	593052	594049 Gmdrm	hypo	CHH	-0.0199
Gm09	595065	596044 Gmdrm	hypo	CHH	-0.0125
Gm09	598476	599465 Gmdrm	hypo	CHH	-0.0589
Gm09	599478	600461 Gmdrm	hypo	CHH	-0.1395
Gm09	603509	604505 Gmdrm	hypo	CHH	-0.0198
Gm09	623116	624087 Gmdrm	hypo	CHH	-0.0282
Gm09	630542	631523 Gmdrm	hypo	CHH	-0.0137
Gm09	636503	637473 Gmdrm	hypo	CHH	-0.0386
Gm09	640954	641947 Gmdrm	hypo	CHH	-0.015
Gm09	641960	642932 Gmdrm	hypo	CHH	-0.0602
Gm09	643009	644008 Gmdrm	hypo	CHH	-0.0335
Gm09	644027	644814 Gmdrm	hypo	CHH	-0.022
Gm09	647740	648722 Gmdrm	hypo	CHH	-0.0128
Gm09	652518	653516 Gmdrm	hypo	CHH	-0.2014
Gm09	653520	654462 Gmdrm	hypo	CHH	-0.0239
Gm09	654693	655604 Gmdrm	hypo	CHH	-0.0136
Gm09	655696	656671 Gmdrm	hypo	CHH	-0.0161
Gm09	666154	667142 Gmdrm	hypo	CHH	-0.0136
Gm09	675204	675434 Gmdrm	hypo	CHH	-0.066
Gm09	688083	689083 Gmdrm	hypo	CHH	-0.0221
Gm09	691193	691791 Gmdrm	hypo	CHH	-0.0138

Gm09	696518	697466 Gmdrm	hypo	CHH	-0.0168
Gm09	704889	705830 Gmdrm	hypo	CHH	-0.0813
Gm09	709518	709656 Gmdrm	hypo	CHH	-0.0375
Gm09	709763	710754 Gmdrm	hypo	CHH	-0.0178
Gm09	710811	711781 Gmdrm	hypo	CHH	-0.0457
Gm09	724238	725231 Gmdrm	hypo	CHH	-0.0914
Gm09	726271	727260 Gmdrm	hypo	CHH	-0.0118
Gm09	727301	728279 Gmdrm	hypo	CHH	-0.1618
Gm09	737919	738899 Gmdrm	hypo	CHH	-0.0154
Gm09	750798	751795 Gmdrm	hypo	CHH	-0.0937
Gm09	751822	752573 Gmdrm	hypo	CHH	-0.047
Gm09	754765	755760 Gmdrm	hypo	CHH	-0.0406
Gm09	756780	757779 Gmdrm	hypo	CHH	-0.0722
Gm09	757789	758287 Gmdrm	hypo	CHH	-0.1701
Gm09	762121	763115 Gmdrm	hypo	CHH	-0.0172
Gm09	763174	763694 Gmdrm	hypo	CHH	-0.0244
Gm09	770942	771416 Gmdrm	hypo	CHH	-0.0505
Gm09	774297	775278 Gmdrm	hypo	CHH	-0.0177
Gm09	779110	779859 Gmdrm	hypo	CHH	-0.0207
Gm09	797353	798339 Gmdrm	hypo	CHH	-0.1024
Gm09	798362	799350 Gmdrm	hypo	CHH	-0.0145
Gm09	799685	800677 Gmdrm	hypo	CHH	-0.0564
Gm09	802766	803742 Gmdrm	hypo	CHH	-0.1309
Gm09	803769	804757 Gmdrm	hypo	CHH	-0.1741
Gm09	805781	805904 Gmdrm	hypo	CHH	-0.02
Gm09	821643	822632 Gmdrm	hypo	CHH	-0.4234
Gm09	822652	823649 Gmdrm	hypo	CHH	-0.2557
Gm09	826880	827863 Gmdrm	hypo	CHH	-0.1094
Gm09	833343	834334 Gmdrm	hypo	CHH	-0.0396
Gm09	834355	834538 Gmdrm	hypo	CHH	-0.0527
Gm09	834819	835325 Gmdrm	hypo	CHH	-0.1082
Gm09	837379	838260 Gmdrm	hypo	CHH	-0.0126
Gm09	855468	856465 Gmdrm	hypo	CHH	-0.1469
Gm09	857911	858518 Gmdrm	hypo	CHH	-0.0256
Gm09	878203	878738 Gmdrm	hypo	CHH	-0.0203
Gm09	893331	893450 Gmdrm	hypo	CHH	-0.037
Gm09	900433	901430 Gmdrm	hypo	CHH	-0.0236
Gm09	902443	903120 Gmdrm	hypo	CHH	-0.0683
Gm09	907708	908682 Gmdrm	hypo	CHH	-0.0155
Gm09	908733	909718 Gmdrm	hypo	CHH	-0.1613
Gm09	911807	912787 Gmdrm	hypo	CHH	-0.0696
Gm09	933767	934764 Gmdrm	hypo	CHH	-0.1135
Gm09	950856	951855 Gmdrm	hypo	CHH	-0.0514
Gm09	955688	956677 Gmdrm	hypo	CHH	-0.013
Gm09	967120	967212 Gmdrm	hypo	CHH	-0.06
Gm09	968836	969828 Gmdrm	hypo	CHH	-0.0759

Gm09	973960	974912 Gmdrm	hypo	CHH	-0.0219
Gm09	975968	976482 Gmdrm	hypo	CHH	-0.0182
Gm09	991687	992646 Gmdrm	hypo	CHH	-0.0361
Gm09	992715	993700 Gmdrm	hypo	CHH	-0.0351
Gm09	995768	996767 Gmdrm	hypo	CHH	-0.0129
Gm09	1016694	1017694 Gmdrm	hypo	CHH	-0.0253
Gm09	1046257	1046352 Gmdrm	hypo	CHH	-0.0457
Gm09	1046481	1047480 Gmdrm	hypo	CHH	-0.0261
Gm09	1051784	1052730 Gmdrm	hypo	CHH	-0.0486
Gm09	1052802	1053801 Gmdrm	hypo	CHH	-0.0835
Gm09	1053807	1054777 Gmdrm	hypo	CHH	-0.0569
Gm09	1054836	1055836 Gmdrm	hypo	CHH	-0.0135
Gm09	1066459	1067458 Gmdrm	hypo	CHH	-0.0639
Gm09	1067461	1067867 Gmdrm	hypo	CHH	-0.1029
Gm09	1068138	1069131 Gmdrm	hypo	CHH	-0.0388
Gm09	1072182	1073180 Gmdrm	hypo	CHH	-0.0345
Gm09	1073189	1074149 Gmdrm	hypo	CHH	-0.0397
Gm09	1077668	1078658 Gmdrm	hypo	CHH	-0.0117
Gm09	1082405	1083401 Gmdrm	hypo	CHH	-0.0147
Gm09	1083460	1084432 Gmdrm	hypo	CHH	-0.0201
Gm09	1096881	1097091 Gmdrm	hypo	CHH	-0.035
Gm09	1098212	1099206 Gmdrm	hypo	CHH	-0.015
Gm09	1099216	1100205 Gmdrm	hypo	CHH	-0.0235
Gm09	1103372	1104370 Gmdrm	hypo	CHH	-0.0551
Gm09	1104417	1105417 Gmdrm	hypo	CHH	-0.0572
Gm09	1109229	1110219 Gmdrm	hypo	CHH	-0.0148
Gm09	1130080	1131078 Gmdrm	hypo	CHH	-0.026
Gm09	1134383	1135373 Gmdrm	hypo	CHH	-0.0374
Gm09	1144122	1145122 Gmdrm	hypo	CHH	-0.0112
Gm09	1149154	1150149 Gmdrm	hypo	CHH	-0.0293
Gm09	1157080	1158061 Gmdrm	hypo	CHH	-0.0155
Gm09	1159529	1160506 Gmdrm	hypo	CHH	-0.1808
Gm09	1176238	1176618 Gmdrm	hypo	CHH	-0.0482
Gm09	1176865	1177084 Gmdrm	hypo	CHH	-0.05
Gm09	1180331	1180529 Gmdrm	hypo	CHH	-0.083
Gm09	1208538	1209529 Gmdrm	hypo	CHH	-0.1685
Gm09	1230215	1231202 Gmdrm	hypo	CHH	-0.0138
Gm09	1234499	1235009 Gmdrm	hypo	CHH	-0.0241
Gm09	1236156	1237152 Gmdrm	hypo	CHH	-0.0155
Gm09	1241258	1242257 Gmdrm	hypo	CHH	-0.1226
Gm09	1242263	1243246 Gmdrm	hypo	CHH	-0.0365
Gm09	1257428	1258420 Gmdrm	hypo	CHH	-0.1115
Gm09	1258430	1259394 Gmdrm	hypo	CHH	-0.0206
Gm09	1260469	1261465 Gmdrm	hypo	CHH	-0.0316
Gm09	1270721	1271720 Gmdrm	hypo	CHH	-0.0203
Gm09	1273601	1274598 Gmdrm	hypo	CHH	-0.0405

Gm09	1274605	1275582	Gmdrm	hypo	CHH	-0.126
Gm09	1281123	1282123	Gmdrm	hypo	CHH	-0.0158
Gm09	1282126	1283125	Gmdrm	hypo	CHH	-0.037
Gm09	1297588	1298412	Gmdrm	hypo	CHH	-0.0176
Gm09	1303181	1304167	Gmdrm	hypo	CHH	-0.02
Gm09	1306072	1307067	Gmdrm	hypo	CHH	-0.0387
Gm09	1309158	1310149	Gmdrm	hypo	CHH	-0.0242
Gm09	1312179	1312424	Gmdrm	hypo	CHH	-0.0207
Gm09	1325054	1326053	Gmdrm	hypo	CHH	-0.0398
Gm09	1329309	1330281	Gmdrm	hypo	CHH	-0.0358
Gm09	1359509	1360324	Gmdrm	hypo	CHH	-0.019
Gm09	1369835	1370830	Gmdrm	hypo	CHH	-0.1428
Gm09	1370840	1371823	Gmdrm	hypo	CHH	-0.0807
Gm09	1375132	1375392	Gmdrm	hypo	CHH	-0.038
Gm09	1387497	1388483	Gmdrm	hypo	CHH	-0.0179
Gm09	1391425	1391530	Gmdrm	hypo	CHH	-0.044
Gm09	1400070	1400581	Gmdrm	hypo	CHH	-0.0371
Gm09	1401702	1402700	Gmdrm	hypo	CHH	-0.0456
Gm09	1419343	1420337	Gmdrm	hypo	CHH	-0.0777
Gm09	1447690	1448690	Gmdrm	hypo	CHH	-0.0118
Gm09	1453790	1454504	Gmdrm	hypo	CHH	-0.0479
Gm09	1472367	1473361	Gmdrm	hypo	CHH	-0.2287
Gm09	1473368	1474354	Gmdrm	hypo	CHH	-0.0126
Gm09	1474372	1475368	Gmdrm	hypo	CHH	-0.0498
Gm09	1476379	1477369	Gmdrm	hypo	CHH	-0.033
Gm09	1480118	1481091	Gmdrm	hypo	CHH	-0.0189
Gm09	1489226	1489952	Gmdrm	hypo	CHH	-0.1305
Gm09	1491333	1492318	Gmdrm	hypo	CHH	-0.1757
Gm09	1494800	1495790	Gmdrm	hypo	CHH	-0.0266
Gm09	1528855	1529172	Gmdrm	hypo	CHH	-0.076
Gm09	1550528	1551516	Gmdrm	hypo	CHH	-0.0162
Gm09	1555335	1556321	Gmdrm	hypo	CHH	-0.0161
Gm09	1558392	1558766	Gmdrm	hypo	CHH	-0.0321
Gm09	1593111	1594061	Gmdrm	hypo	CHH	-0.0612
Gm09	1595169	1596135	Gmdrm	hypo	CHH	-0.0108
Gm09	1597173	1597549	Gmdrm	hypo	CHH	-0.2217
Gm09	1600820	1601808	Gmdrm	hypo	CHH	-0.0468
Gm09	1609277	1610227	Gmdrm	hypo	CHH	-0.1641
Gm09	1610295	1611223	Gmdrm	hypo	CHH	-0.1337
Gm09	1611338	1611516	Gmdrm	hypo	CHH	-0.08
Gm09	1611620	1612578	Gmdrm	hypo	CHH	-0.1154
Gm09	1616146	1617142	Gmdrm	hypo	CHH	-0.1153
Gm09	1618148	1619145	Gmdrm	hypo	CHH	-0.0517
Gm09	1636566	1637505	Gmdrm	hypo	CHH	-0.025
Gm09	1642389	1643361	Gmdrm	hypo	CHH	-0.0156
Gm09	1649250	1650244	Gmdrm	hypo	CHH	-0.0847

Gm09	1656734	1657732	Gmdrm	hypo	CHH	-0.0115
Gm09	1659767	1660140	Gmdrm	hypo	CHH	-0.0413
Gm09	1667928	1668924	Gmdrm	hypo	CHH	-0.0155
Gm09	1687798	1688798	Gmdrm	hypo	CHH	-0.0195
Gm09	1688820	1689466	Gmdrm	hypo	CHH	-0.0397
Gm09	1689568	1690562	Gmdrm	hypo	CHH	-0.0248
Gm09	1691274	1692271	Gmdrm	hypo	CHH	-0.0479
Gm09	1692276	1693256	Gmdrm	hypo	CHH	-0.024
Gm09	1710403	1711383	Gmdrm	hypo	CHH	-0.1262
Gm09	1716340	1717340	Gmdrm	hypo	CHH	-0.0148
Gm09	1721151	1722148	Gmdrm	hypo	CHH	-0.0148
Gm09	1726121	1727117	Gmdrm	hypo	CHH	-0.0177
Gm09	1729227	1730209	Gmdrm	hypo	CHH	-0.0173
Gm09	1731572	1732572	Gmdrm	hypo	CHH	-0.0233
Gm09	1738662	1739658	Gmdrm	hypo	CHH	-0.0666
Gm09	1744548	1745489	Gmdrm	hypo	CHH	-0.0135
Gm09	1751172	1752124	Gmdrm	hypo	CHH	-0.0174
Gm09	1757533	1758374	Gmdrm	hypo	CHH	-0.0195
Gm09	1758477	1759468	Gmdrm	hypo	CHH	-0.013
Gm09	1759506	1760495	Gmdrm	hypo	CHH	-0.0613
Gm09	1760517	1761231	Gmdrm	hypo	CHH	-0.1288
Gm09	1761776	1762769	Gmdrm	hypo	CHH	-0.0239
Gm09	1764791	1765787	Gmdrm	hypo	CHH	-0.1607
Gm09	1765792	1766776	Gmdrm	hypo	CHH	-0.064
Gm09	1782338	1783336	Gmdrm	hypo	CHH	-0.018
Gm09	1784364	1785351	Gmdrm	hypo	CHH	-0.0172
Gm09	1794336	1795038	Gmdrm	hypo	CHH	-0.0281
Gm09	1805207	1806190	Gmdrm	hypo	CHH	-0.0187
Gm09	1806222	1807166	Gmdrm	hypo	CHH	-0.0195
Gm09	1809462	1810189	Gmdrm	hypo	CHH	-0.0201
Gm09	1824732	1825144	Gmdrm	hypo	CHH	-0.0315
Gm09	1830202	1830927	Gmdrm	hypo	CHH	-0.0155
Gm09	1875381	1876371	Gmdrm	hypo	CHH	-0.0159
Gm09	1882820	1883818	Gmdrm	hypo	CHH	-0.0163
Gm09	1891797	1892790	Gmdrm	hypo	CHH	-0.0292
Gm09	1892816	1893805	Gmdrm	hypo	CHH	-0.1381
Gm09	1893818	1894808	Gmdrm	hypo	CHH	-0.0411
Gm09	1898120	1899120	Gmdrm	hypo	CHH	-0.0641
Gm09	1899129	1900124	Gmdrm	hypo	CHH	-0.0529
Gm09	1905727	1906720	Gmdrm	hypo	CHH	-0.0107
Gm09	1906730	1907722	Gmdrm	hypo	CHH	-0.2851
Gm09	1923112	1924112	Gmdrm	hypo	CHH	-0.0098
Gm09	1927215	1928013	Gmdrm	hypo	CHH	-0.0269
Gm09	1936256	1937255	Gmdrm	hypo	CHH	-0.0866
Gm09	1941702	1942648	Gmdrm	hypo	CHH	-0.0186
Gm09	1943144	1944143	Gmdrm	hypo	CHH	-0.0488

Gm09	1944147	1945146 Gmdrm	hypo	CHH	-0.0894
Gm09	1945153	1946152 Gmdrm	hypo	CHH	-0.0277
Gm09	1946201	1947198 Gmdrm	hypo	CHH	-0.1805
Gm09	1949216	1950215 Gmdrm	hypo	CHH	-0.0392
Gm09	1950217	1951182 Gmdrm	hypo	CHH	-0.0467
Gm09	1952345	1953212 Gmdrm	hypo	CHH	-0.0364
Gm09	1959734	1960729 Gmdrm	hypo	CHH	-0.1043
Gm09	1963534	1964527 Gmdrm	hypo	CHH	-0.025
Gm09	1965579	1966161 Gmdrm	hypo	CHH	-0.0177
Gm09	1971917	1972287 Gmdrm	hypo	CHH	-0.0181
Gm09	1983932	1984928 Gmdrm	hypo	CHH	-0.0153
Gm09	1988990	1989966 Gmdrm	hypo	CHH	-0.0876
Gm09	1990717	1991697 Gmdrm	hypo	CHH	-0.0779
Gm09	1991755	1992754 Gmdrm	hypo	CHH	-0.1913
Gm09	1992757	1993748 Gmdrm	hypo	CHH	-0.1219
Gm09	1995750	1996736 Gmdrm	hypo	CHH	-0.0213
Gm09	2008735	2009731 Gmdrm	hypo	CHH	-0.1075
Gm09	2009740	2010712 Gmdrm	hypo	CHH	-0.0157
Gm09	2011750	2012746 Gmdrm	hypo	CHH	-0.0279
Gm09	2026583	2027582 Gmdrm	hypo	CHH	-0.0159
Gm09	2044582	2044882 Gmdrm	hypo	CHH	-0.0282
Gm09	2069419	2069967 Gmdrm	hypo	CHH	-0.1151
Gm09	2071279	2072277 Gmdrm	hypo	CHH	-0.0314
Gm09	2075260	2075979 Gmdrm	hypo	CHH	-0.1973
Gm09	2084410	2085397 Gmdrm	hypo	CHH	-0.0192
Gm09	2085454	2086440 Gmdrm	hypo	CHH	-0.0221
Gm09	2101595	2102587 Gmdrm	hypo	CHH	-0.0256
Gm09	2112649	2113018 Gmdrm	hypo	CHH	-0.0463
Gm09	2115447	2116406 Gmdrm	hypo	CHH	-0.0346
Gm09	2117860	2118858 Gmdrm	hypo	CHH	-0.0129
Gm09	2131022	2131584 Gmdrm	hypo	CHH	-0.0267
Gm09	2143039	2144004 Gmdrm	hypo	CHH	-0.0198
Gm09	2147104	2148079 Gmdrm	hypo	CHH	-0.0121
Gm09	2149114	2149904 Gmdrm	hypo	CHH	-0.2489
Gm09	2152079	2152780 Gmdrm	hypo	CHH	-0.0175
Gm09	2153007	2153987 Gmdrm	hypo	CHH	-0.0143
Gm09	2159773	2160755 Gmdrm	hypo	CHH	-0.023
Gm09	2174927	2175905 Gmdrm	hypo	CHH	-0.0349
Gm09	2194447	2195447 Gmdrm	hypo	CHH	-0.0141
Gm09	2196431	2197420 Gmdrm	hypo	CHH	-0.0206
Gm09	2198451	2199450 Gmdrm	hypo	CHH	-0.0648
Gm09	2199453	2200450 Gmdrm	hypo	CHH	-0.0577
Gm09	2213293	2214292 Gmdrm	hypo	CHH	-0.0176
Gm09	2231693	2232687 Gmdrm	hypo	CHH	-0.0952
Gm09	2250470	2250864 Gmdrm	hypo	CHH	-0.0223
Gm09	2257601	2258572 Gmdrm	hypo	CHH	-0.0193

Gm09	2264332	2265327	Gmdrm	hypo	CHH	-0.0586
Gm09	2274236	2275221	Gmdrm	hypo	CHH	-0.0399
Gm09	2275935	2276893	Gmdrm	hypo	CHH	-0.0204
Gm09	2277075	2278073	Gmdrm	hypo	CHH	-0.0216
Gm09	2280100	2281080	Gmdrm	hypo	CHH	-0.0283
Gm09	2284118	2284973	Gmdrm	hypo	CHH	-0.0207
Gm09	2289165	2290161	Gmdrm	hypo	CHH	-0.0345
Gm09	2290170	2291150	Gmdrm	hypo	CHH	-0.0473
Gm09	2292349	2292680	Gmdrm	hypo	CHH	-0.064
Gm09	2302460	2303006	Gmdrm	hypo	CHH	-0.0293
Gm09	2304779	2305772	Gmdrm	hypo	CHH	-0.0346
Gm09	2305804	2306404	Gmdrm	hypo	CHH	-0.1699
Gm09	2307556	2308555	Gmdrm	hypo	CHH	-0.0561
Gm09	2308558	2309544	Gmdrm	hypo	CHH	-0.1514
Gm09	2318784	2319007	Gmdrm	hypo	CHH	-0.058
Gm09	2325899	2326098	Gmdrm	hypo	CHH	-0.0357
Gm09	2327403	2328261	Gmdrm	hypo	CHH	-0.2024
Gm09	2332116	2333106	Gmdrm	hypo	CHH	-0.0448
Gm09	2355618	2356499	Gmdrm	hypo	CHH	-0.0248
Gm09	2356608	2357605	Gmdrm	hypo	CHH	-0.0229
Gm09	2365756	2366751	Gmdrm	hypo	CHH	-0.0454
Gm09	2366759	2367742	Gmdrm	hypo	CHH	-0.0358
Gm09	2372817	2373809	Gmdrm	hypo	CHH	-0.0322
Gm09	2394922	2395919	Gmdrm	hypo	CHH	-0.0194
Gm09	2395923	2396865	Gmdrm	hypo	CHH	-0.116
Gm09	2400183	2401183	Gmdrm	hypo	CHH	-0.02
Gm09	2401215	2402203	Gmdrm	hypo	CHH	-0.0131
Gm09	2412514	2413476	Gmdrm	hypo	CHH	-0.015
Gm09	2413538	2414537	Gmdrm	hypo	CHH	-0.0503
Gm09	2419320	2420318	Gmdrm	hypo	CHH	-0.0956
Gm09	2420321	2421320	Gmdrm	hypo	CHH	-0.0752
Gm09	2425333	2425788	Gmdrm	hypo	CHH	-0.0435
Gm09	2440495	2441456	Gmdrm	hypo	CHH	-0.2289
Gm09	2443515	2444502	Gmdrm	hypo	CHH	-0.016
Gm09	2457571	2458563	Gmdrm	hypo	CHH	-0.0139
Gm09	2465041	2465294	Gmdrm	hypo	CHH	-0.0794
Gm09	2492233	2493222	Gmdrm	hypo	CHH	-0.0821
Gm09	2541390	2542387	Gmdrm	hypo	CHH	-0.0154
Gm09	2542391	2543371	Gmdrm	hypo	CHH	-0.0244
Gm09	2547218	2548185	Gmdrm	hypo	CHH	-0.0255
Gm09	2548232	2549219	Gmdrm	hypo	CHH	-0.0666
Gm09	2549233	2550226	Gmdrm	hypo	CHH	-0.0593
Gm09	2550237	2550716	Gmdrm	hypo	CHH	-0.0217
Gm09	2558366	2559353	Gmdrm	hypo	CHH	-0.0258
Gm09	2574276	2575274	Gmdrm	hypo	CHH	-0.0649
Gm09	2582340	2583318	Gmdrm	hypo	CHH	-0.0132

Gm09	2596319	2597310	Gmdrm	hypo	CHH	-0.0606
Gm09	2597323	2598298	Gmdrm	hypo	CHH	-0.0774
Gm09	2611616	2612611	Gmdrm	hypo	CHH	-0.0282
Gm09	2612620	2613609	Gmdrm	hypo	CHH	-0.0591
Gm09	2614522	2615520	Gmdrm	hypo	CHH	-0.0273
Gm09	2619477	2619534	Gmdrm	hypo	CHH	-0.0455
Gm09	2630111	2631102	Gmdrm	hypo	CHH	-0.0618
Gm09	2631115	2632111	Gmdrm	hypo	CHH	-0.0558
Gm09	2632117	2633092	Gmdrm	hypo	CHH	-0.0558
Gm09	2633126	2634121	Gmdrm	hypo	CHH	-0.0251
Gm09	2652122	2653117	Gmdrm	hypo	CHH	-0.0516
Gm09	2653129	2654117	Gmdrm	hypo	CHH	-0.037
Gm09	2661206	2662192	Gmdrm	hypo	CHH	-0.0487
Gm09	2670908	2671860	Gmdrm	hypo	CHH	-0.022
Gm09	2672959	2673957	Gmdrm	hypo	CHH	-0.0213
Gm09	2676804	2677800	Gmdrm	hypo	CHH	-0.0257
Gm09	2677805	2678804	Gmdrm	hypo	CHH	-0.0805
Gm09	2678816	2679802	Gmdrm	hypo	CHH	-0.0311
Gm09	2680747	2681738	Gmdrm	hypo	CHH	-0.0198
Gm09	2682769	2683750	Gmdrm	hypo	CHH	-0.1281
Gm09	2686117	2687112	Gmdrm	hypo	CHH	-0.0122
Gm09	2688130	2689061	Gmdrm	hypo	CHH	-0.0126
Gm09	2692548	2693548	Gmdrm	hypo	CHH	-0.0113
Gm09	2702253	2703247	Gmdrm	hypo	CHH	-0.1385
Gm09	2703259	2704250	Gmdrm	hypo	CHH	-0.0603
Gm09	2705285	2706285	Gmdrm	hypo	CHH	-0.0336
Gm09	2707972	2708921	Gmdrm	hypo	CHH	-0.0134
Gm09	2715698	2716681	Gmdrm	hypo	CHH	-0.3238
Gm09	2716703	2717661	Gmdrm	hypo	CHH	-0.0227
Gm09	2723244	2723938	Gmdrm	hypo	CHH	-0.0166
Gm09	2729787	2730786	Gmdrm	hypo	CHH	-0.0507
Gm09	2734662	2735320	Gmdrm	hypo	CHH	-0.1052
Gm09	2740833	2741800	Gmdrm	hypo	CHH	-0.0125
Gm09	2759243	2759942	Gmdrm	hypo	CHH	-0.088
Gm09	2763104	2764089	Gmdrm	hypo	CHH	-0.0538
Gm09	2770125	2771114	Gmdrm	hypo	CHH	-0.0421
Gm09	2771129	2771439	Gmdrm	hypo	CHH	-0.0639
Gm09	2771603	2772581	Gmdrm	hypo	CHH	-0.0254
Gm09	2794338	2795335	Gmdrm	hypo	CHH	-0.0636
Gm09	2797363	2798354	Gmdrm	hypo	CHH	-0.0702
Gm09	2799705	2800328	Gmdrm	hypo	CHH	-0.0526
Gm09	2807770	2808766	Gmdrm	hypo	CHH	-0.043
Gm09	2814949	2815929	Gmdrm	hypo	CHH	-0.0248
Gm09	2818283	2819282	Gmdrm	hypo	CHH	-0.0193
Gm09	2824976	2825970	Gmdrm	hypo	CHH	-0.0271
Gm09	2827982	2828783	Gmdrm	hypo	CHH	-0.079

Gm09	2828917	2829909	Gmdrm	hypo	CHH	-0.0219
Gm09	2843922	2844211	Gmdrm	hypo	CHH	-0.025
Gm09	2855836	2856830	Gmdrm	hypo	CHH	-0.0562
Gm09	2869252	2869505	Gmdrm	hypo	CHH	-0.0271
Gm09	2895437	2896376	Gmdrm	hypo	CHH	-0.0245
Gm09	2904427	2905390	Gmdrm	hypo	CHH	-0.03
Gm09	2909137	2910136	Gmdrm	hypo	CHH	-0.045
Gm09	2910138	2911132	Gmdrm	hypo	CHH	-0.0744
Gm09	2911141	2912106	Gmdrm	hypo	CHH	-0.0281
Gm09	2920457	2921441	Gmdrm	hypo	CHH	-0.0144
Gm09	2925414	2926413	Gmdrm	hypo	CHH	-0.0401
Gm09	2931794	2932288	Gmdrm	hypo	CHH	-0.0832
Gm09	2933341	2934339	Gmdrm	hypo	CHH	-0.018
Gm09	2935351	2936340	Gmdrm	hypo	CHH	-0.0323
Gm09	2945588	2946588	Gmdrm	hypo	CHH	-0.0509
Gm09	2946594	2947016	Gmdrm	hypo	CHH	-0.0627
Gm09	2956042	2957042	Gmdrm	hypo	CHH	-0.0119
Gm09	2967005	2967992	Gmdrm	hypo	CHH	-0.108
Gm09	2968024	2969020	Gmdrm	hypo	CHH	-0.0826
Gm09	2969035	2969736	Gmdrm	hypo	CHH	-0.1311
Gm09	2973282	2974282	Gmdrm	hypo	CHH	-0.0227
Gm09	2980880	2981873	Gmdrm	hypo	CHH	-0.0179
Gm09	2986178	2986641	Gmdrm	hypo	CHH	-0.0245
Gm09	2994213	2995213	Gmdrm	hypo	CHH	-0.0591
Gm09	2995217	2996215	Gmdrm	hypo	CHH	-0.0653
Gm09	2996221	2997105	Gmdrm	hypo	CHH	-0.0454
Gm09	2997230	2998070	Gmdrm	hypo	CHH	-0.0276
Gm09	3000428	3001375	Gmdrm	hypo	CHH	-0.0751
Gm09	3001745	3002714	Gmdrm	hypo	CHH	-0.0469
Gm09	3003568	3004555	Gmdrm	hypo	CHH	-0.2111
Gm09	3014692	3015692	Gmdrm	hypo	CHH	-0.0297
Gm09	3015694	3016478	Gmdrm	hypo	CHH	-0.1031
Gm09	3021695	3022097	Gmdrm	hypo	CHH	-0.0586
Gm09	3027402	3028400	Gmdrm	hypo	CHH	-0.0439
Gm09	3033092	3034084	Gmdrm	hypo	CHH	-0.0272
Gm09	3034110	3035094	Gmdrm	hypo	CHH	-0.0269
Gm09	3040301	3041290	Gmdrm	hypo	CHH	-0.0135
Gm09	3044589	3045587	Gmdrm	hypo	CHH	-0.0428
Gm09	3045590	3046582	Gmdrm	hypo	CHH	-0.0656
Gm09	3054651	3055649	Gmdrm	hypo	CHH	-0.035
Gm09	3055654	3056653	Gmdrm	hypo	CHH	-0.0605
Gm09	3061885	3062877	Gmdrm	hypo	CHH	-0.0228
Gm09	3062887	3063883	Gmdrm	hypo	CHH	-0.0692
Gm09	3067011	3068004	Gmdrm	hypo	CHH	-0.0183
Gm09	3074647	3075639	Gmdrm	hypo	CHH	-0.0323
Gm09	3075651	3076577	Gmdrm	hypo	CHH	-0.0297

Gm09	3083260	3084259	Gmdrm	hypo	CHH	-0.0371
Gm09	3110115	3111088	Gmdrm	hypo	CHH	-0.0123
Gm09	3117485	3118250	Gmdrm	hypo	CHH	-0.034
Gm09	3119228	3119760	Gmdrm	hypo	CHH	-0.1803
Gm09	3121744	3122186	Gmdrm	hypo	CHH	-0.0459
Gm09	3130588	3131571	Gmdrm	hypo	CHH	-0.0828
Gm09	3140983	3141961	Gmdrm	hypo	CHH	-0.0217
Gm09	3143001	3143998	Gmdrm	hypo	CHH	-0.0317
Gm09	3157908	3158905	Gmdrm	hypo	CHH	-0.0849
Gm09	3158919	3159904	Gmdrm	hypo	CHH	-0.1486
Gm09	3165033	3166021	Gmdrm	hypo	CHH	-0.0185
Gm09	3169279	3169756	Gmdrm	hypo	CHH	-0.0273
Gm09	3170679	3171065	Gmdrm	hypo	CHH	-0.0356
Gm09	3187822	3188821	Gmdrm	hypo	CHH	-0.0613
Gm09	3188825	3189620	Gmdrm	hypo	CHH	-0.0599
Gm09	3198796	3199791	Gmdrm	hypo	CHH	-0.0616
Gm09	3206567	3207567	Gmdrm	hypo	CHH	-0.0166
Gm09	3208611	3208717	Gmdrm	hypo	CHH	-0.094
Gm09	3216946	3217691	Gmdrm	hypo	CHH	-0.0485
Gm09	3226876	3227872	Gmdrm	hypo	CHH	-0.0133
Gm09	3228899	3229891	Gmdrm	hypo	CHH	-0.032
Gm09	3237938	3238909	Gmdrm	hypo	CHH	-0.0292
Gm09	3252921	3253917	Gmdrm	hypo	CHH	-0.1854
Gm09	3257240	3257889	Gmdrm	hypo	CHH	-0.0629
Gm09	3263120	3264095	Gmdrm	hypo	CHH	-0.0151
Gm09	3264149	3265126	Gmdrm	hypo	CHH	-0.3175
Gm09	3265890	3266888	Gmdrm	hypo	CHH	-0.1442
Gm09	3266918	3267917	Gmdrm	hypo	CHH	-0.128
Gm09	3267927	3268918	Gmdrm	hypo	CHH	-0.0453
Gm09	3269963	3270959	Gmdrm	hypo	CHH	-0.0317
Gm09	3270986	3271977	Gmdrm	hypo	CHH	-0.0332
Gm09	3294556	3295556	Gmdrm	hypo	CHH	-0.1758
Gm09	3295558	3296549	Gmdrm	hypo	CHH	-0.0406
Gm09	3310436	3310638	Gmdrm	hypo	CHH	-0.033
Gm09	3321527	3322489	Gmdrm	hypo	CHH	-0.2973
Gm09	3327430	3328422	Gmdrm	hypo	CHH	-0.0682
Gm09	3328433	3329417	Gmdrm	hypo	CHH	-0.0971
Gm09	3331431	3332412	Gmdrm	hypo	CHH	-0.0174
Gm09	3332433	3333418	Gmdrm	hypo	CHH	-0.0139
Gm09	3343024	3344023	Gmdrm	hypo	CHH	-0.0395
Gm09	3353055	3354055	Gmdrm	hypo	CHH	-0.0767
Gm09	3371625	3372363	Gmdrm	hypo	CHH	-0.0155
Gm09	3372466	3372815	Gmdrm	hypo	CHH	-0.0368
Gm09	3377082	3378036	Gmdrm	hypo	CHH	-0.1188
Gm09	3379260	3380213	Gmdrm	hypo	CHH	-0.0159
Gm09	3383352	3383546	Gmdrm	hypo	CHH	-0.0264

Gm09	3387417	3388013	Gmdrm	hypo	CHH	-0.0248
Gm09	3388145	3388471	Gmdrm	hypo	CHH	-0.0474
Gm09	3388672	3389513	Gmdrm	hypo	CHH	-0.0254
Gm09	3391937	3392929	Gmdrm	hypo	CHH	-0.0438
Gm09	3393969	3394966	Gmdrm	hypo	CHH	-0.0301
Gm09	3394984	3395983	Gmdrm	hypo	CHH	-0.0196
Gm09	3402551	3403189	Gmdrm	hypo	CHH	-0.1579
Gm09	3405464	3406463	Gmdrm	hypo	CHH	-0.0413
Gm09	3406469	3407198	Gmdrm	hypo	CHH	-0.0267
Gm09	3411370	3412350	Gmdrm	hypo	CHH	-0.0167
Gm09	3417316	3418293	Gmdrm	hypo	CHH	-0.0225
Gm09	3420925	3421925	Gmdrm	hypo	CHH	-0.0304
Gm09	3421935	3422928	Gmdrm	hypo	CHH	-0.0153
Gm09	3423928	3424911	Gmdrm	hypo	CHH	-0.0155
Gm09	3430046	3431043	Gmdrm	hypo	CHH	-0.0536
Gm09	3448652	3448787	Gmdrm	hypo	CHH	-0.06
Gm09	3451688	3452679	Gmdrm	hypo	CHH	-0.0806
Gm09	3457189	3458132	Gmdrm	hypo	CHH	-0.038
Gm09	3459222	3460202	Gmdrm	hypo	CHH	-0.0168
Gm09	3465699	3466663	Gmdrm	hypo	CHH	-0.254
Gm09	3471210	3472205	Gmdrm	hypo	CHH	-0.0221
Gm09	3473233	3474233	Gmdrm	hypo	CHH	-0.0394
Gm09	3487170	3488170	Gmdrm	hypo	CHH	-0.0482
Gm09	3507533	3508506	Gmdrm	hypo	CHH	-0.0588
Gm09	3511574	3512541	Gmdrm	hypo	CHH	-0.0615
Gm09	3512582	3513570	Gmdrm	hypo	CHH	-0.049
Gm09	3513583	3514491	Gmdrm	hypo	CHH	-0.0225
Gm09	3515785	3516764	Gmdrm	hypo	CHH	-0.037
Gm09	3516802	3517517	Gmdrm	hypo	CHH	-0.0663
Gm09	3519950	3520943	Gmdrm	hypo	CHH	-0.0672
Gm09	3527660	3528619	Gmdrm	hypo	CHH	-0.0387
Gm09	3535123	3536123	Gmdrm	hypo	CHH	-0.0465
Gm09	3536127	3537120	Gmdrm	hypo	CHH	-0.0265
Gm09	3543048	3543146	Gmdrm	hypo	CHH	-0.4929
Gm09	3543479	3544448	Gmdrm	hypo	CHH	-0.1243
Gm09	3549104	3550097	Gmdrm	hypo	CHH	-0.1078
Gm09	3550109	3551108	Gmdrm	hypo	CHH	-0.073
Gm09	3558114	3559112	Gmdrm	hypo	CHH	-0.2353
Gm09	3559119	3560114	Gmdrm	hypo	CHH	-0.1812
Gm09	3563940	3564872	Gmdrm	hypo	CHH	-0.036
Gm09	3580688	3581672	Gmdrm	hypo	CHH	-0.0142
Gm09	3585677	3586677	Gmdrm	hypo	CHH	-0.102
Gm09	3586678	3587676	Gmdrm	hypo	CHH	-0.0402
Gm09	3591223	3591683	Gmdrm	hypo	CHH	-0.0671
Gm09	3591937	3592936	Gmdrm	hypo	CHH	-0.0348
Gm09	3592939	3593933	Gmdrm	hypo	CHH	-0.0445

Gm09	3593941	3594937	Gmdrm	hypo	CHH	-0.0352
Gm09	3594948	3595914	Gmdrm	hypo	CHH	-0.0265
Gm09	3600837	3601837	Gmdrm	hypo	CHH	-0.0519
Gm09	3604901	3605815	Gmdrm	hypo	CHH	-0.0354
Gm09	3617337	3617925	Gmdrm	hypo	CHH	-0.0619
Gm09	3618037	3619020	Gmdrm	hypo	CHH	-0.0428
Gm09	3624785	3625746	Gmdrm	hypo	CHH	-0.0389
Gm09	3630803	3631001	Gmdrm	hypo	CHH	-0.2536
Gm09	3631213	3632212	Gmdrm	hypo	CHH	-0.1047
Gm09	3632214	3633179	Gmdrm	hypo	CHH	-0.1882
Gm09	3641261	3642135	Gmdrm	hypo	CHH	-0.1649
Gm09	3648386	3648897	Gmdrm	hypo	CHH	-0.0482
Gm09	3664352	3665343	Gmdrm	hypo	CHH	-0.0118
Gm09	3667469	3668466	Gmdrm	hypo	CHH	-0.049
Gm09	3683658	3684389	Gmdrm	hypo	CHH	-0.1653
Gm09	3692942	3693718	Gmdrm	hypo	CHH	-0.019
Gm09	3694683	3695630	Gmdrm	hypo	CHH	-0.019
Gm09	3702223	3703218	Gmdrm	hypo	CHH	-0.0596
Gm09	3704229	3705225	Gmdrm	hypo	CHH	-0.1304
Gm09	3711550	3712539	Gmdrm	hypo	CHH	-0.0194
Gm09	3714801	3715311	Gmdrm	hypo	CHH	-0.0245
Gm09	3719859	3720849	Gmdrm	hypo	CHH	-0.029
Gm09	3721298	3722287	Gmdrm	hypo	CHH	-0.011
Gm09	3722312	3723310	Gmdrm	hypo	CHH	-0.0774
Gm09	3725325	3725818	Gmdrm	hypo	CHH	-0.023
Gm09	3727569	3728317	Gmdrm	hypo	CHH	-0.0259
Gm09	3729725	3730424	Gmdrm	hypo	CHH	-0.02
Gm09	3735963	3736959	Gmdrm	hypo	CHH	-0.085
Gm09	3736965	3737960	Gmdrm	hypo	CHH	-0.0178
Gm09	3743427	3743548	Gmdrm	hypo	CHH	-0.0613
Gm09	3745293	3746264	Gmdrm	hypo	CHH	-0.0151
Gm09	3750274	3751273	Gmdrm	hypo	CHH	-0.0433
Gm09	3751275	3752266	Gmdrm	hypo	CHH	-0.0976
Gm09	3766228	3766946	Gmdrm	hypo	CHH	-0.0315
Gm09	3769071	3770063	Gmdrm	hypo	CHH	-0.0805
Gm09	3770077	3770649	Gmdrm	hypo	CHH	-0.1176
Gm09	3770770	3771321	Gmdrm	hypo	CHH	-0.06
Gm09	3777247	3778224	Gmdrm	hypo	CHH	-0.0249
Gm09	3788908	3789906	Gmdrm	hypo	CHH	-0.0306
Gm09	3789919	3790880	Gmdrm	hypo	CHH	-0.0143
Gm09	3814864	3815857	Gmdrm	hypo	CHH	-0.0375
Gm09	3815867	3816867	Gmdrm	hypo	CHH	-0.0304
Gm09	3822200	3823200	Gmdrm	hypo	CHH	-0.0939
Gm09	3823203	3824138	Gmdrm	hypo	CHH	-0.0613
Gm09	3840267	3841262	Gmdrm	hypo	CHH	-0.0726
Gm09	3841277	3842277	Gmdrm	hypo	CHH	-0.0308

Gm09	3842283	3843278	Gmdrm	hypo	CHH	-0.0535
Gm09	3861166	3862146	Gmdrm	hypo	CHH	-0.0162
Gm09	3864811	3865036	Gmdrm	hypo	CHH	-0.07
Gm09	3867965	3868964	Gmdrm	hypo	CHH	-0.0202
Gm09	3868970	3869924	Gmdrm	hypo	CHH	-0.2517
Gm09	3873694	3874481	Gmdrm	hypo	CHH	-0.2265
Gm09	3881822	3882801	Gmdrm	hypo	CHH	-0.2402
Gm09	3889382	3889398	Gmdrm	hypo	CHH	-0.234
Gm09	3890903	3891880	Gmdrm	hypo	CHH	-0.2478
Gm09	3891904	3892887	Gmdrm	hypo	CHH	-0.2036
Gm09	3894434	3895387	Gmdrm	hypo	CHH	-0.0631
Gm09	3896283	3897280	Gmdrm	hypo	CHH	-0.1049
Gm09	3907953	3908942	Gmdrm	hypo	CHH	-0.1427
Gm09	3908957	3909956	Gmdrm	hypo	CHH	-0.0512
Gm09	3914361	3915342	Gmdrm	hypo	CHH	-0.0775
Gm09	3919061	3920053	Gmdrm	hypo	CHH	-0.064
Gm09	3920062	3921058	Gmdrm	hypo	CHH	-0.015
Gm09	3921068	3922063	Gmdrm	hypo	CHH	-0.04
Gm09	3928343	3929340	Gmdrm	hypo	CHH	-0.0533
Gm09	3936507	3937505	Gmdrm	hypo	CHH	-0.1002
Gm09	3940816	3941019	Gmdrm	hypo	CHH	-0.0408
Gm09	3963151	3964031	Gmdrm	hypo	CHH	-0.0485
Gm09	3972730	3973730	Gmdrm	hypo	CHH	-0.0282
Gm09	3987042	3988017	Gmdrm	hypo	CHH	-0.0473
Gm09	3990055	3991037	Gmdrm	hypo	CHH	-0.0556
Gm09	3991081	3992027	Gmdrm	hypo	CHH	-0.0338
Gm09	3992141	3993137	Gmdrm	hypo	CHH	-0.0381
Gm09	3998334	3999334	Gmdrm	hypo	CHH	-0.0526
Gm09	4020630	4021620	Gmdrm	hypo	CHH	-0.0493
Gm09	4025672	4026158	Gmdrm	hypo	CHH	-0.0355
Gm09	4027619	4028353	Gmdrm	hypo	CHH	-0.0223
Gm09	4047771	4048747	Gmdrm	hypo	CHH	-0.017
Gm09	4055178	4056143	Gmdrm	hypo	CHH	-0.0225
Gm09	4057240	4058229	Gmdrm	hypo	CHH	-0.0491
Gm09	4058248	4059245	Gmdrm	hypo	CHH	-0.0183
Gm09	4062268	4063267	Gmdrm	hypo	CHH	-0.0167
Gm09	4075895	4076843	Gmdrm	hypo	CHH	-0.0147
Gm09	4080935	4081917	Gmdrm	hypo	CHH	-0.0393
Gm09	4081957	4082947	Gmdrm	hypo	CHH	-0.0374
Gm09	4109744	4110740	Gmdrm	hypo	CHH	-0.054
Gm09	4110752	4111748	Gmdrm	hypo	CHH	-0.046
Gm09	4112788	4113785	Gmdrm	hypo	CHH	-0.1209
Gm09	4117330	4118263	Gmdrm	hypo	CHH	-0.0401
Gm09	4120404	4121015	Gmdrm	hypo	CHH	-0.2378
Gm09	4123290	4124288	Gmdrm	hypo	CHH	-0.048
Gm09	4124291	4125289	Gmdrm	hypo	CHH	-0.067

Gm09	4125308	4125854	Gmdrm	hypo	CHH	-0.05
Gm09	4152256	4153253	Gmdrm	hypo	CHH	-0.017
Gm09	4160827	4161827	Gmdrm	hypo	CHH	-0.233
Gm09	4164091	4164696	Gmdrm	hypo	CHH	-0.0327
Gm09	4177615	4178601	Gmdrm	hypo	CHH	-0.091
Gm09	4178624	4179622	Gmdrm	hypo	CHH	-0.0736
Gm09	4190131	4190927	Gmdrm	hypo	CHH	-0.0318
Gm09	4196550	4197541	Gmdrm	hypo	CHH	-0.0123
Gm09	4215304	4216268	Gmdrm	hypo	CHH	-0.0264
Gm09	4216319	4217293	Gmdrm	hypo	CHH	-0.0289
Gm09	4217320	4218285	Gmdrm	hypo	CHH	-0.0159
Gm09	4225397	4226061	Gmdrm	hypo	CHH	-0.155
Gm09	4228948	4229425	Gmdrm	hypo	CHH	-0.3065
Gm09	4244029	4244576	Gmdrm	hypo	CHH	-0.0228
Gm09	4246803	4247788	Gmdrm	hypo	CHH	-0.0837
Gm09	4249668	4250668	Gmdrm	hypo	CHH	-0.0722
Gm09	4250669	4251400	Gmdrm	hypo	CHH	-0.0628
Gm09	4251519	4251997	Gmdrm	hypo	CHH	-0.0782
Gm09	4263033	4264032	Gmdrm	hypo	CHH	-0.0182
Gm09	4265042	4266035	Gmdrm	hypo	CHH	-0.0905
Gm09	4266047	4267037	Gmdrm	hypo	CHH	-0.0183
Gm09	4267061	4268048	Gmdrm	hypo	CHH	-0.013
Gm09	4272339	4273302	Gmdrm	hypo	CHH	-0.0144
Gm09	4288831	4289407	Gmdrm	hypo	CHH	-0.0284
Gm09	4296114	4297112	Gmdrm	hypo	CHH	-0.0132
Gm09	4297180	4298171	Gmdrm	hypo	CHH	-0.042
Gm09	4302461	4303412	Gmdrm	hypo	CHH	-0.0183
Gm09	4306729	4307720	Gmdrm	hypo	CHH	-0.0618
Gm09	4307734	4308734	Gmdrm	hypo	CHH	-0.0438
Gm09	4311676	4312670	Gmdrm	hypo	CHH	-0.022
Gm09	4316443	4317410	Gmdrm	hypo	CHH	-0.1171
Gm09	4337023	4338017	Gmdrm	hypo	CHH	-0.0422
Gm09	4338025	4339018	Gmdrm	hypo	CHH	-0.0498
Gm09	4339026	4339947	Gmdrm	hypo	CHH	-0.0291
Gm09	4342085	4343078	Gmdrm	hypo	CHH	-0.0217
Gm09	4364016	4365014	Gmdrm	hypo	CHH	-0.1117
Gm09	4383785	4384784	Gmdrm	hypo	CHH	-0.0387
Gm09	4384789	4385436	Gmdrm	hypo	CHH	-0.0627
Gm09	4386592	4387386	Gmdrm	hypo	CHH	-0.0143
Gm09	4387503	4388491	Gmdrm	hypo	CHH	-0.1706
Gm09	4388507	4389502	Gmdrm	hypo	CHH	-0.0497
Gm09	4394186	4395165	Gmdrm	hypo	CHH	-0.4299
Gm09	4399738	4400736	Gmdrm	hypo	CHH	-0.0333
Gm09	4401478	4402473	Gmdrm	hypo	CHH	-0.0629
Gm09	4409229	4410219	Gmdrm	hypo	CHH	-0.0295
Gm09	4418967	4419692	Gmdrm	hypo	CHH	-0.1081

Gm09	4426833	4427833 Gmdrm	hypo	CHH	-0.1761
Gm09	4434909	4435906 Gmdrm	hypo	CHH	-0.0381
Gm09	4441084	4442073 Gmdrm	hypo	CHH	-0.0546
Gm09	4442097	4443097 Gmdrm	hypo	CHH	-0.0941
Gm09	4444116	4445092 Gmdrm	hypo	CHH	-0.0919
Gm09	4445117	4446112 Gmdrm	hypo	CHH	-0.0351
Gm09	4451451	4452446 Gmdrm	hypo	CHH	-0.0625
Gm09	4452454	4453451 Gmdrm	hypo	CHH	-0.0542
Gm09	4455050	4455746 Gmdrm	hypo	CHH	-0.1075
Gm09	4462587	4463112 Gmdrm	hypo	CHH	-0.0315
Gm09	4466371	4467302 Gmdrm	hypo	CHH	-0.022
Gm09	4468895	4469855 Gmdrm	hypo	CHH	-0.0162
Gm09	4469909	4470886 Gmdrm	hypo	CHH	-0.1794
Gm09	4470920	4471919 Gmdrm	hypo	CHH	-0.0728
Gm09	4471953	4472926 Gmdrm	hypo	CHH	-0.045
Gm09	4475994	4476985 Gmdrm	hypo	CHH	-0.0739
Gm09	4476998	4477605 Gmdrm	hypo	CHH	-0.0824
Gm09	4477724	4478689 Gmdrm	hypo	CHH	-0.0615
Gm09	4493944	4494921 Gmdrm	hypo	CHH	-0.1034
Gm09	4499430	4500403 Gmdrm	hypo	CHH	-0.0348
Gm09	4500445	4501439 Gmdrm	hypo	CHH	-0.0362
Gm09	4501451	4501606 Gmdrm	hypo	CHH	-0.0762
Gm09	4503254	4504230 Gmdrm	hypo	CHH	-0.0733
Gm09	4515694	4516470 Gmdrm	hypo	CHH	-0.0493
Gm09	4521695	4522683 Gmdrm	hypo	CHH	-0.0151
Gm09	4534377	4535377 Gmdrm	hypo	CHH	-0.0664
Gm09	4536410	4537393 Gmdrm	hypo	CHH	-0.0311
Gm09	4537418	4538376 Gmdrm	hypo	CHH	-0.0733
Gm09	4540323	4541303 Gmdrm	hypo	CHH	-0.0143
Gm09	4546469	4547469 Gmdrm	hypo	CHH	-0.0429
Gm09	4556246	4557244 Gmdrm	hypo	CHH	-0.0143
Gm09	4563325	4564310 Gmdrm	hypo	CHH	-0.1227
Gm09	4569462	4570360 Gmdrm	hypo	CHH	-0.0184
Gm09	4573879	4574877 Gmdrm	hypo	CHH	-0.0792
Gm09	4574889	4575745 Gmdrm	hypo	CHH	-0.0634
Gm09	4578297	4579148 Gmdrm	hypo	CHH	-0.0302
Gm09	4604081	4605060 Gmdrm	hypo	CHH	-0.0142
Gm09	4611852	4612846 Gmdrm	hypo	CHH	-0.0628
Gm09	4612855	4613851 Gmdrm	hypo	CHH	-0.0309
Gm09	4617940	4618933 Gmdrm	hypo	CHH	-0.0226
Gm09	4623956	4624782 Gmdrm	hypo	CHH	-0.0534
Gm09	4626779	4627775 Gmdrm	hypo	CHH	-0.0526
Gm09	4635664	4636338 Gmdrm	hypo	CHH	-0.0764
Gm09	4637939	4638901 Gmdrm	hypo	CHH	-0.0142
Gm09	4647616	4648610 Gmdrm	hypo	CHH	-0.0136
Gm09	4649185	4650184 Gmdrm	hypo	CHH	-0.0678

Gm09	4651199	4652197	Gmdrm	hypo	CHH	-0.0866
Gm09	4652201	4653200	Gmdrm	hypo	CHH	-0.1031
Gm09	4664188	4665187	Gmdrm	hypo	CHH	-0.0137
Gm09	4665196	4666195	Gmdrm	hypo	CHH	-0.0645
Gm09	4666198	4667182	Gmdrm	hypo	CHH	-0.0291
Gm09	4672927	4673920	Gmdrm	hypo	CHH	-0.0334
Gm09	4673941	4674928	Gmdrm	hypo	CHH	-0.0279
Gm09	4676309	4677306	Gmdrm	hypo	CHH	-0.0563
Gm09	4677312	4678302	Gmdrm	hypo	CHH	-0.0239
Gm09	4689752	4690472	Gmdrm	hypo	CHH	-0.0492
Gm09	4692694	4693692	Gmdrm	hypo	CHH	-0.0435
Gm09	4693726	4694718	Gmdrm	hypo	CHH	-0.0136
Gm09	4694750	4695743	Gmdrm	hypo	CHH	-0.0151
Gm09	4699934	4700875	Gmdrm	hypo	CHH	-0.0493
Gm09	4700946	4701794	Gmdrm	hypo	CHH	-0.0908
Gm09	4720886	4721885	Gmdrm	hypo	CHH	-0.0636
Gm09	4722890	4723886	Gmdrm	hypo	CHH	-0.0875
Gm09	4723900	4724899	Gmdrm	hypo	CHH	-0.0237
Gm09	4724947	4725937	Gmdrm	hypo	CHH	-0.0172
Gm09	4727281	4728280	Gmdrm	hypo	CHH	-0.0122
Gm09	4728693	4729659	Gmdrm	hypo	CHH	-0.1605
Gm09	4741826	4742647	Gmdrm	hypo	CHH	-0.1661
Gm09	4743815	4744764	Gmdrm	hypo	CHH	-0.0141
Gm09	4758350	4758723	Gmdrm	hypo	CHH	-0.0176
Gm09	4764292	4765287	Gmdrm	hypo	CHH	-0.0127
Gm09	4775432	4776426	Gmdrm	hypo	CHH	-0.0777
Gm09	4776437	4777434	Gmdrm	hypo	CHH	-0.0327
Gm09	4799082	4800076	Gmdrm	hypo	CHH	-0.02
Gm09	4802389	4803379	Gmdrm	hypo	CHH	-0.0315
Gm09	4810849	4811795	Gmdrm	hypo	CHH	-0.0152
Gm09	4815657	4816649	Gmdrm	hypo	CHH	-0.0281
Gm09	4820701	4821624	Gmdrm	hypo	CHH	-0.0178
Gm09	4821896	4822886	Gmdrm	hypo	CHH	-0.0443
Gm09	4827996	4828984	Gmdrm	hypo	CHH	-0.0164
Gm09	4828999	4829969	Gmdrm	hypo	CHH	-0.0243
Gm09	4831419	4832406	Gmdrm	hypo	CHH	-0.1058
Gm09	4833445	4834440	Gmdrm	hypo	CHH	-0.0468
Gm09	4836932	4837881	Gmdrm	hypo	CHH	-0.0478
Gm09	4843453	4844447	Gmdrm	hypo	CHH	-0.0199
Gm09	4844457	4845425	Gmdrm	hypo	CHH	-0.0161
Gm09	4847497	4848497	Gmdrm	hypo	CHH	-0.0246
Gm09	4849501	4850500	Gmdrm	hypo	CHH	-0.0519
Gm09	4853852	4854229	Gmdrm	hypo	CHH	-0.0185
Gm09	4869860	4870022	Gmdrm	hypo	CHH	-0.0412
Gm09	4872661	4873652	Gmdrm	hypo	CHH	-0.0164
Gm09	4885188	4886187	Gmdrm	hypo	CHH	-0.0169

Gm09	4888204	4889199	Gmdrm	hypo	CHH	-0.03
Gm09	4891845	4892841	Gmdrm	hypo	CHH	-0.011
Gm09	4898304	4899284	Gmdrm	hypo	CHH	-0.0912
Gm09	4919355	4920337	Gmdrm	hypo	CHH	-0.1056
Gm09	4923641	4924451	Gmdrm	hypo	CHH	-0.0752
Gm09	4927787	4928787	Gmdrm	hypo	CHH	-0.0409
Gm09	4934930	4935929	Gmdrm	hypo	CHH	-0.1105
Gm09	4935933	4936411	Gmdrm	hypo	CHH	-0.1016
Gm09	4945335	4946325	Gmdrm	hypo	CHH	-0.0619
Gm09	4947358	4948353	Gmdrm	hypo	CHH	-0.0892
Gm09	4948359	4949356	Gmdrm	hypo	CHH	-0.1313
Gm09	4958703	4959687	Gmdrm	hypo	CHH	-0.0454
Gm09	4967970	4968961	Gmdrm	hypo	CHH	-0.0989
Gm09	4973037	4974025	Gmdrm	hypo	CHH	-0.0964
Gm09	4974043	4975034	Gmdrm	hypo	CHH	-0.0454
Gm09	4990511	4991494	Gmdrm	hypo	CHH	-0.2
Gm09	4991513	4992512	Gmdrm	hypo	CHH	-0.0812
Gm09	4992514	4993513	Gmdrm	hypo	CHH	-0.0385
Gm09	4993522	4994521	Gmdrm	hypo	CHH	-0.0368
Gm09	4999836	5000835	Gmdrm	hypo	CHH	-0.2089
Gm09	5000840	5001609	Gmdrm	hypo	CHH	-0.092
Gm09	5005744	5006743	Gmdrm	hypo	CHH	-0.0409
Gm09	5006747	5007727	Gmdrm	hypo	CHH	-0.0232
Gm09	5018127	5019067	Gmdrm	hypo	CHH	-0.0184
Gm09	5020144	5021144	Gmdrm	hypo	CHH	-0.0762
Gm09	5021149	5022131	Gmdrm	hypo	CHH	-0.112
Gm09	5023015	5024015	Gmdrm	hypo	CHH	-0.0212
Gm09	5034621	5035219	Gmdrm	hypo	CHH	-0.04
Gm09	5045131	5046128	Gmdrm	hypo	CHH	-0.0517
Gm09	5047097	5047657	Gmdrm	hypo	CHH	-0.0347
Gm09	5050594	5051590	Gmdrm	hypo	CHH	-0.0309
Gm09	5053645	5054639	Gmdrm	hypo	CHH	-0.0222
Gm09	5055699	5056694	Gmdrm	hypo	CHH	-0.016
Gm09	5056730	5057729	Gmdrm	hypo	CHH	-0.0875
Gm09	5060756	5061751	Gmdrm	hypo	CHH	-0.0963
Gm09	5061758	5062752	Gmdrm	hypo	CHH	-0.0859
Gm09	5062772	5063766	Gmdrm	hypo	CHH	-0.0219
Gm09	5063781	5064463	Gmdrm	hypo	CHH	-0.3499
Gm09	5070090	5071073	Gmdrm	hypo	CHH	-0.1363
Gm09	5071091	5071634	Gmdrm	hypo	CHH	-0.3534
Gm09	5076891	5077832	Gmdrm	hypo	CHH	-0.069
Gm09	5080939	5081410	Gmdrm	hypo	CHH	-0.0257
Gm09	5084610	5085598	Gmdrm	hypo	CHH	-0.06
Gm09	5085620	5086237	Gmdrm	hypo	CHH	-0.0773
Gm09	5096226	5097139	Gmdrm	hypo	CHH	-0.0306
Gm09	5100263	5100412	Gmdrm	hypo	CHH	-0.0662

Gm09	5104440	5105438	Gmdrm	hypo	CHH	-0.0357
Gm09	5109108	5110101	Gmdrm	hypo	CHH	-0.0196
Gm09	5125752	5126744	Gmdrm	hypo	CHH	-0.0258
Gm09	5137839	5138838	Gmdrm	hypo	CHH	-0.0154
Gm09	5157155	5158106	Gmdrm	hypo	CHH	-0.0348
Gm09	5162087	5163084	Gmdrm	hypo	CHH	-0.0436
Gm09	5163089	5164088	Gmdrm	hypo	CHH	-0.0841
Gm09	5166120	5167103	Gmdrm	hypo	CHH	-0.1777
Gm09	5172352	5173343	Gmdrm	hypo	CHH	-0.0279
Gm09	5173353	5174351	Gmdrm	hypo	CHH	-0.0895
Gm09	5175187	5176184	Gmdrm	hypo	CHH	-0.1
Gm09	5176188	5177187	Gmdrm	hypo	CHH	-0.0955
Gm09	5177191	5178162	Gmdrm	hypo	CHH	-0.1048
Gm09	5178192	5179168	Gmdrm	hypo	CHH	-0.0702
Gm09	5187478	5188461	Gmdrm	hypo	CHH	-0.0634
Gm09	5188484	5188619	Gmdrm	hypo	CHH	-0.0931
Gm09	5207990	5208974	Gmdrm	hypo	CHH	-0.0122
Gm09	5221874	5222871	Gmdrm	hypo	CHH	-0.0469
Gm09	5222875	5223874	Gmdrm	hypo	CHH	-0.0394
Gm09	5224879	5225876	Gmdrm	hypo	CHH	-0.0604
Gm09	5226899	5227640	Gmdrm	hypo	CHH	-0.0151
Gm09	5235288	5236287	Gmdrm	hypo	CHH	-0.0623
Gm09	5236303	5237284	Gmdrm	hypo	CHH	-0.041
Gm09	5271558	5272524	Gmdrm	hypo	CHH	-0.0198
Gm09	5275458	5276458	Gmdrm	hypo	CHH	-0.0555
Gm09	5277476	5278461	Gmdrm	hypo	CHH	-0.0233
Gm09	5278534	5278641	Gmdrm	hypo	CHH	-0.0547
Gm09	5279850	5280850	Gmdrm	hypo	CHH	-0.0302
Gm09	5280852	5281843	Gmdrm	hypo	CHH	-0.0616
Gm09	5281854	5282736	Gmdrm	hypo	CHH	-0.0269
Gm09	5307166	5308164	Gmdrm	hypo	CHH	-0.0192
Gm09	5314506	5315292	Gmdrm	hypo	CHH	-0.0162
Gm09	5322243	5323224	Gmdrm	hypo	CHH	-0.0555
Gm09	5323297	5324276	Gmdrm	hypo	CHH	-0.0142
Gm09	5325384	5326044	Gmdrm	hypo	CHH	-0.1047
Gm09	5327128	5327400	Gmdrm	hypo	CHH	-0.1165
Gm09	5327717	5328714	Gmdrm	hypo	CHH	-0.0327
Gm09	5335085	5336082	Gmdrm	hypo	CHH	-0.021
Gm09	5345196	5346172	Gmdrm	hypo	CHH	-0.0403
Gm09	5358100	5358275	Gmdrm	hypo	CHH	-0.0456
Gm09	5358381	5358687	Gmdrm	hypo	CHH	-0.0277
Gm09	5359120	5360098	Gmdrm	hypo	CHH	-0.1348
Gm09	5360141	5361132	Gmdrm	hypo	CHH	-0.0181
Gm09	5361146	5362145	Gmdrm	hypo	CHH	-0.1954
Gm09	5362153	5363153	Gmdrm	hypo	CHH	-0.1089
Gm09	5368550	5369294	Gmdrm	hypo	CHH	-0.0396

Gm09	5390687	5391590	Gmdrm	hypo	CHH	-0.1861
Gm09	5393817	5394817	Gmdrm	hypo	CHH	-0.0556
Gm09	5400869	5401869	Gmdrm	hypo	CHH	-0.0243
Gm09	5401876	5402796	Gmdrm	hypo	CHH	-0.0627
Gm09	5402931	5403504	Gmdrm	hypo	CHH	-0.0764
Gm09	5409306	5410306	Gmdrm	hypo	CHH	-0.0145
Gm09	5414122	5415117	Gmdrm	hypo	CHH	-0.0738
Gm09	5415123	5416122	Gmdrm	hypo	CHH	-0.0348
Gm09	5418134	5419132	Gmdrm	hypo	CHH	-0.0217
Gm09	5422347	5423347	Gmdrm	hypo	CHH	-0.02
Gm09	5425055	5425551	Gmdrm	hypo	CHH	-0.1317
Gm09	5433008	5433995	Gmdrm	hypo	CHH	-0.123
Gm09	5435726	5436692	Gmdrm	hypo	CHH	-0.0189
Gm09	5437750	5438097	Gmdrm	hypo	CHH	-0.0267
Gm09	5454416	5455413	Gmdrm	hypo	CHH	-0.0307
Gm09	5461397	5462397	Gmdrm	hypo	CHH	-0.0334
Gm09	5465932	5466893	Gmdrm	hypo	CHH	-0.0147
Gm09	5472943	5473943	Gmdrm	hypo	CHH	-0.03
Gm09	5481712	5482683	Gmdrm	hypo	CHH	-0.023
Gm09	5490428	5491423	Gmdrm	hypo	CHH	-0.0885
Gm09	5518701	5519048	Gmdrm	hypo	CHH	-0.1074
Gm09	5530976	5531972	Gmdrm	hypo	CHH	-0.1905
Gm09	5531979	5532974	Gmdrm	hypo	CHH	-0.1811
Gm09	5533005	5533812	Gmdrm	hypo	CHH	-0.1266
Gm09	5533926	5534890	Gmdrm	hypo	CHH	-0.0606
Gm09	5542860	5543399	Gmdrm	hypo	CHH	-0.0293
Gm09	5545273	5546264	Gmdrm	hypo	CHH	-0.0534
Gm09	5546322	5547284	Gmdrm	hypo	CHH	-0.0881
Gm09	5547323	5548260	Gmdrm	hypo	CHH	-0.0205
Gm09	5558275	5559108	Gmdrm	hypo	CHH	-0.0217
Gm09	5568943	5569618	Gmdrm	hypo	CHH	-0.0278
Gm09	5572447	5573447	Gmdrm	hypo	CHH	-0.0209
Gm09	5573448	5574263	Gmdrm	hypo	CHH	-0.05
Gm09	5576807	5577807	Gmdrm	hypo	CHH	-0.0221
Gm09	5577817	5578811	Gmdrm	hypo	CHH	-0.0186
Gm09	5590362	5590537	Gmdrm	hypo	CHH	-0.0731
Gm09	5601715	5602693	Gmdrm	hypo	CHH	-0.0295
Gm09	5616417	5616643	Gmdrm	hypo	CHH	-0.0963
Gm09	5617723	5618711	Gmdrm	hypo	CHH	-0.0458
Gm09	5631478	5632243	Gmdrm	hypo	CHH	-0.0305
Gm09	5640981	5641975	Gmdrm	hypo	CHH	-0.0292
Gm09	5643000	5643997	Gmdrm	hypo	CHH	-0.0339
Gm09	5654506	5654646	Gmdrm	hypo	CHH	-0.039
Gm09	5656019	5656199	Gmdrm	hypo	CHH	-0.068
Gm09	5677551	5678544	Gmdrm	hypo	CHH	-0.0158
Gm09	5685809	5686802	Gmdrm	hypo	CHH	-0.0595

Gm09	5686833	5687824	Gmdrm	hypo	CHH	-0.0237
Gm09	5691934	5692492	Gmdrm	hypo	CHH	-0.0548
Gm09	5693561	5693905	Gmdrm	hypo	CHH	-0.0629
Gm09	5701266	5702261	Gmdrm	hypo	CHH	-0.0566
Gm09	5717247	5718240	Gmdrm	hypo	CHH	-0.0412
Gm09	5720731	5721718	Gmdrm	hypo	CHH	-0.041
Gm09	5721734	5722733	Gmdrm	hypo	CHH	-0.095
Gm09	5727731	5728701	Gmdrm	hypo	CHH	-0.1751
Gm09	5764987	5765934	Gmdrm	hypo	CHH	-0.0562
Gm09	5765998	5766985	Gmdrm	hypo	CHH	-0.0461
Gm09	5769075	5770062	Gmdrm	hypo	CHH	-0.1257
Gm09	5785566	5786563	Gmdrm	hypo	CHH	-0.0221
Gm09	5790982	5791980	Gmdrm	hypo	CHH	-0.0775
Gm09	5800367	5801152	Gmdrm	hypo	CHH	-0.0917
Gm09	5806871	5807851	Gmdrm	hypo	CHH	-0.0165
Gm09	5811780	5812772	Gmdrm	hypo	CHH	-0.0164
Gm09	5814829	5815820	Gmdrm	hypo	CHH	-0.0422
Gm09	5815844	5816839	Gmdrm	hypo	CHH	-0.0564
Gm09	5825970	5826939	Gmdrm	hypo	CHH	-0.0137
Gm09	5828431	5829430	Gmdrm	hypo	CHH	-0.2017
Gm09	5829925	5830908	Gmdrm	hypo	CHH	-0.0311
Gm09	5830933	5831195	Gmdrm	hypo	CHH	-0.04
Gm09	5839525	5840518	Gmdrm	hypo	CHH	-0.0501
Gm09	5842135	5843133	Gmdrm	hypo	CHH	-0.019
Gm09	5843140	5844070	Gmdrm	hypo	CHH	-0.0253
Gm09	5849364	5850300	Gmdrm	hypo	CHH	-0.0557
Gm09	5850727	5851148	Gmdrm	hypo	CHH	-0.12
Gm09	5851697	5852695	Gmdrm	hypo	CHH	-0.1941
Gm09	5856405	5857399	Gmdrm	hypo	CHH	-0.0254
Gm09	5857408	5858399	Gmdrm	hypo	CHH	-0.291
Gm09	5858412	5859385	Gmdrm	hypo	CHH	-0.0309
Gm09	5866999	5867964	Gmdrm	hypo	CHH	-0.0152
Gm09	5870376	5871299	Gmdrm	hypo	CHH	-0.0261
Gm09	5884371	5884730	Gmdrm	hypo	CHH	-0.05
Gm09	5888989	5889981	Gmdrm	hypo	CHH	-0.0361
Gm09	5901395	5902392	Gmdrm	hypo	CHH	-0.029
Gm09	5902396	5903392	Gmdrm	hypo	CHH	-0.2379
Gm09	5912252	5913249	Gmdrm	hypo	CHH	-0.0172
Gm09	5917090	5918086	Gmdrm	hypo	CHH	-0.0132
Gm09	5928436	5929433	Gmdrm	hypo	CHH	-0.0208
Gm09	5932661	5933656	Gmdrm	hypo	CHH	-0.0282
Gm09	5936193	5937166	Gmdrm	hypo	CHH	-0.0158
Gm09	5937196	5938180	Gmdrm	hypo	CHH	-0.0123
Gm09	5938216	5938588	Gmdrm	hypo	CHH	-0.0365
Gm09	5942218	5943216	Gmdrm	hypo	CHH	-0.0269
Gm09	5943224	5943822	Gmdrm	hypo	CHH	-0.0433

Gm09	5947444	5948438	Gmdrm	hypo	CHH	-0.0271
Gm09	5952721	5953717	Gmdrm	hypo	CHH	-0.0703
Gm09	5953726	5954723	Gmdrm	hypo	CHH	-0.0132
Gm09	5955730	5956730	Gmdrm	hypo	CHH	-0.0287
Gm09	5956734	5957724	Gmdrm	hypo	CHH	-0.0172
Gm09	5960687	5961686	Gmdrm	hypo	CHH	-0.0955
Gm09	5961694	5962687	Gmdrm	hypo	CHH	-0.0792
Gm09	5983834	5984529	Gmdrm	hypo	CHH	-0.0496
Gm09	5986099	5987001	Gmdrm	hypo	CHH	-0.0396
Gm09	5995242	5996237	Gmdrm	hypo	CHH	-0.0518
Gm09	6002411	6002476	Gmdrm	hypo	CHH	-0.0233
Gm09	6003100	6004055	Gmdrm	hypo	CHH	-0.0345
Gm09	6033272	6034009	Gmdrm	hypo	CHH	-0.2225
Gm09	6039520	6040516	Gmdrm	hypo	CHH	-0.0622
Gm09	6050156	6051150	Gmdrm	hypo	CHH	-0.0632
Gm09	6051161	6052147	Gmdrm	hypo	CHH	-0.0757
Gm09	6052165	6053160	Gmdrm	hypo	CHH	-0.0435
Gm09	6053171	6054165	Gmdrm	hypo	CHH	-0.0265
Gm09	6057515	6058512	Gmdrm	hypo	CHH	-0.0253
Gm09	6060898	6061890	Gmdrm	hypo	CHH	-0.014
Gm09	6062938	6063910	Gmdrm	hypo	CHH	-0.0202
Gm09	6066353	6067320	Gmdrm	hypo	CHH	-0.023
Gm09	6067355	6068206	Gmdrm	hypo	CHH	-0.0837
Gm09	6068318	6069315	Gmdrm	hypo	CHH	-0.0406
Gm09	6070345	6071342	Gmdrm	hypo	CHH	-0.0283
Gm09	6073367	6074364	Gmdrm	hypo	CHH	-0.0265
Gm09	6076392	6077387	Gmdrm	hypo	CHH	-0.0204
Gm09	6077724	6078713	Gmdrm	hypo	CHH	-0.0275
Gm09	6080464	6081452	Gmdrm	hypo	CHH	-0.0143
Gm09	6083516	6084504	Gmdrm	hypo	CHH	-0.0682
Gm09	6084539	6085498	Gmdrm	hypo	CHH	-0.0335
Gm09	6085548	6085631	Gmdrm	hypo	CHH	-0.072
Gm09	6111024	6112012	Gmdrm	hypo	CHH	-0.014
Gm09	6114904	6115617	Gmdrm	hypo	CHH	-0.015
Gm09	6130084	6131077	Gmdrm	hypo	CHH	-0.0299
Gm09	6160019	6161013	Gmdrm	hypo	CHH	-0.1341
Gm09	6168527	6168925	Gmdrm	hypo	CHH	-0.0666
Gm09	6184785	6185773	Gmdrm	hypo	CHH	-0.1687
Gm09	6201342	6202342	Gmdrm	hypo	CHH	-0.0568
Gm09	6206952	6207644	Gmdrm	hypo	CHH	-0.0773
Gm09	6207988	6208986	Gmdrm	hypo	CHH	-0.0264
Gm09	6217990	6218973	Gmdrm	hypo	CHH	-0.0261
Gm09	6220406	6221367	Gmdrm	hypo	CHH	-0.075
Gm09	6227214	6228174	Gmdrm	hypo	CHH	-0.0135
Gm09	6232820	6233814	Gmdrm	hypo	CHH	-0.0564
Gm09	6244977	6245977	Gmdrm	hypo	CHH	-0.0523

Gm09	6258963	6259951	Gmdrm	hypo	CHH	-0.0264
Gm09	6259968	6260649	Gmdrm	hypo	CHH	-0.0722
Gm09	6260777	6261751	Gmdrm	hypo	CHH	-0.0479
Gm09	6269747	6270582	Gmdrm	hypo	CHH	-0.0535
Gm09	6271848	6272845	Gmdrm	hypo	CHH	-0.0333
Gm09	6273732	6274730	Gmdrm	hypo	CHH	-0.0925
Gm09	6274734	6275719	Gmdrm	hypo	CHH	-0.093
Gm09	6275735	6276734	Gmdrm	hypo	CHH	-0.0846
Gm09	6280136	6281136	Gmdrm	hypo	CHH	-0.158
Gm09	6281137	6282106	Gmdrm	hypo	CHH	-0.1395
Gm09	6283145	6284145	Gmdrm	hypo	CHH	-0.0131
Gm09	6287008	6288003	Gmdrm	hypo	CHH	-0.0208
Gm09	6290396	6291396	Gmdrm	hypo	CHH	-0.2261
Gm09	6291407	6292010	Gmdrm	hypo	CHH	-0.2861
Gm09	6298784	6299774	Gmdrm	hypo	CHH	-0.0118
Gm09	6300054	6301054	Gmdrm	hypo	CHH	-0.0285
Gm09	6317602	6318585	Gmdrm	hypo	CHH	-0.0255
Gm09	6321409	6322406	Gmdrm	hypo	CHH	-0.0715
Gm09	6374472	6374584	Gmdrm	hypo	CHH	-0.0413
Gm09	6377840	6378817	Gmdrm	hypo	CHH	-0.0914
Gm09	6387849	6388846	Gmdrm	hypo	CHH	-0.0783
Gm09	6388852	6389806	Gmdrm	hypo	CHH	-0.0505
Gm09	6398583	6399581	Gmdrm	hypo	CHH	-0.1041
Gm09	6433613	6433835	Gmdrm	hypo	CHH	-0.1428
Gm09	6456911	6457511	Gmdrm	hypo	CHH	-0.0235
Gm09	6463150	6464128	Gmdrm	hypo	CHH	-0.0198
Gm09	6466111	6466259	Gmdrm	hypo	CHH	-0.074
Gm09	6482880	6483880	Gmdrm	hypo	CHH	-0.0817
Gm09	6498476	6499467	Gmdrm	hypo	CHH	-0.0637
Gm09	6499483	6500027	Gmdrm	hypo	CHH	-0.0226
Gm09	6501663	6502657	Gmdrm	hypo	CHH	-0.0569
Gm09	6505628	6506165	Gmdrm	hypo	CHH	-0.0629
Gm09	6507448	6508422	Gmdrm	hypo	CHH	-0.012
Gm09	6513526	6514526	Gmdrm	hypo	CHH	-0.3769
Gm09	6514527	6515527	Gmdrm	hypo	CHH	-0.0772
Gm09	6515577	6516576	Gmdrm	hypo	CHH	-0.0422
Gm09	6524009	6524581	Gmdrm	hypo	CHH	-0.0781
Gm09	6529751	6530744	Gmdrm	hypo	CHH	-0.0525
Gm09	6532839	6533838	Gmdrm	hypo	CHH	-0.1501
Gm09	6538665	6539664	Gmdrm	hypo	CHH	-0.0522
Gm09	6549120	6550097	Gmdrm	hypo	CHH	-0.0259
Gm09	6565404	6566396	Gmdrm	hypo	CHH	-0.016
Gm09	6566406	6567364	Gmdrm	hypo	CHH	-0.2194
Gm09	6573327	6574280	Gmdrm	hypo	CHH	-0.0341
Gm09	6586725	6587723	Gmdrm	hypo	CHH	-0.0514
Gm09	6587738	6588721	Gmdrm	hypo	CHH	-0.1294

Gm09	6588757	6589744	Gmdrm	hypo	CHH	-0.3283
Gm09	6602584	6603579	Gmdrm	hypo	CHH	-0.0334
Gm09	6604111	6605101	Gmdrm	hypo	CHH	-0.2123
Gm09	6605112	6606098	Gmdrm	hypo	CHH	-0.3844
Gm09	6606510	6607508	Gmdrm	hypo	CHH	-0.0306
Gm09	6607512	6608501	Gmdrm	hypo	CHH	-0.1
Gm09	6609551	6610550	Gmdrm	hypo	CHH	-0.1513
Gm09	6615901	6616900	Gmdrm	hypo	CHH	-0.0516
Gm09	6627333	6628332	Gmdrm	hypo	CHH	-0.048
Gm09	6628338	6629336	Gmdrm	hypo	CHH	-0.0427
Gm09	6629339	6630274	Gmdrm	hypo	CHH	-0.0446
Gm09	6650314	6651310	Gmdrm	hypo	CHH	-0.045
Gm09	6654336	6654868	Gmdrm	hypo	CHH	-0.0293
Gm09	6667578	6668559	Gmdrm	hypo	CHH	-0.0698
Gm09	6670539	6671524	Gmdrm	hypo	CHH	-0.016
Gm09	6676621	6677607	Gmdrm	hypo	CHH	-0.0981
Gm09	6677623	6678602	Gmdrm	hypo	CHH	-0.0433
Gm09	6680408	6680568	Gmdrm	hypo	CHH	-0.114
Gm09	6683716	6684688	Gmdrm	hypo	CHH	-0.0148
Gm09	6687566	6688563	Gmdrm	hypo	CHH	-0.0254
Gm09	6693222	6694206	Gmdrm	hypo	CHH	-0.029
Gm09	6694237	6695225	Gmdrm	hypo	CHH	-0.0109
Gm09	6696248	6697239	Gmdrm	hypo	CHH	-0.0149
Gm09	6761561	6762561	Gmdrm	hypo	CHH	-0.1544
Gm09	6763165	6764134	Gmdrm	hypo	CHH	-0.2643
Gm09	6764883	6765117	Gmdrm	hypo	CHH	-0.0406
Gm09	6766199	6766420	Gmdrm	hypo	CHH	-0.1009
Gm09	6777694	6778687	Gmdrm	hypo	CHH	-0.0424
Gm09	6787101	6788091	Gmdrm	hypo	CHH	-0.0509
Gm09	6802389	6803358	Gmdrm	hypo	CHH	-0.0186
Gm09	6803395	6804395	Gmdrm	hypo	CHH	-0.0163
Gm09	6807803	6808799	Gmdrm	hypo	CHH	-0.0899
Gm09	6815838	6816807	Gmdrm	hypo	CHH	-0.0333
Gm09	6816841	6817841	Gmdrm	hypo	CHH	-0.0398
Gm09	6818855	6819855	Gmdrm	hypo	CHH	-0.0197
Gm09	6822006	6823003	Gmdrm	hypo	CHH	-0.2301
Gm09	6841063	6842057	Gmdrm	hypo	CHH	-0.0813
Gm09	6845603	6846559	Gmdrm	hypo	CHH	-0.0296
Gm09	6850060	6851048	Gmdrm	hypo	CHH	-0.0358
Gm09	6852921	6853916	Gmdrm	hypo	CHH	-0.0443
Gm09	6902224	6903202	Gmdrm	hypo	CHH	-0.0418
Gm09	6924142	6924859	Gmdrm	hypo	CHH	-0.0339
Gm09	6926222	6926527	Gmdrm	hypo	CHH	-0.0391
Gm09	6927681	6928679	Gmdrm	hypo	CHH	-0.0656
Gm09	6932874	6933863	Gmdrm	hypo	CHH	-0.0507
Gm09	6933892	6934886	Gmdrm	hypo	CHH	-0.0841

Gm09	6935214	6936187	Gmdrm	hypo	CHH	-0.0563
Gm09	6937029	6937872	Gmdrm	hypo	CHH	-0.0507
Gm09	6938273	6938621	Gmdrm	hypo	CHH	-0.025
Gm09	6955156	6955269	Gmdrm	hypo	CHH	-0.0373
Gm09	6955377	6956351	Gmdrm	hypo	CHH	-0.03
Gm09	6958930	6959926	Gmdrm	hypo	CHH	-0.0472
Gm09	6959940	6960938	Gmdrm	hypo	CHH	-0.0554
Gm09	6967931	6968928	Gmdrm	hypo	CHH	-0.0201
Gm09	6969139	6969327	Gmdrm	hypo	CHH	-0.0456
Gm09	6969431	6970425	Gmdrm	hypo	CHH	-0.0184
Gm09	6982717	6983700	Gmdrm	hypo	CHH	-0.0413
Gm09	6991956	6992956	Gmdrm	hypo	CHH	-0.1719
Gm09	6992983	6993959	Gmdrm	hypo	CHH	-0.0141
Gm09	6994298	6995215	Gmdrm	hypo	CHH	-0.0247
Gm09	7016601	7017598	Gmdrm	hypo	CHH	-0.2437
Gm09	7030732	7031717	Gmdrm	hypo	CHH	-0.0675
Gm09	7031753	7032742	Gmdrm	hypo	CHH	-0.0156
Gm09	7032760	7033553	Gmdrm	hypo	CHH	-0.0356
Gm09	7033968	7034577	Gmdrm	hypo	CHH	-0.065
Gm09	7035730	7036718	Gmdrm	hypo	CHH	-0.0509
Gm09	7039138	7040115	Gmdrm	hypo	CHH	-0.0812
Gm09	7053822	7054822	Gmdrm	hypo	CHH	-0.0962
Gm09	7054827	7055825	Gmdrm	hypo	CHH	-0.053
Gm09	7059901	7060844	Gmdrm	hypo	CHH	-0.1082
Gm09	7061825	7062804	Gmdrm	hypo	CHH	-0.0496
Gm09	7062829	7063499	Gmdrm	hypo	CHH	-0.3362
Gm09	7065668	7066615	Gmdrm	hypo	CHH	-0.025
Gm09	7083351	7084297	Gmdrm	hypo	CHH	-0.0833
Gm09	7084375	7085370	Gmdrm	hypo	CHH	-0.0951
Gm09	7087251	7088250	Gmdrm	hypo	CHH	-0.0253
Gm09	7095976	7096331	Gmdrm	hypo	CHH	-0.0507
Gm09	7101554	7102545	Gmdrm	hypo	CHH	-0.0249
Gm09	7108092	7108628	Gmdrm	hypo	CHH	-0.0613
Gm09	7131790	7132766	Gmdrm	hypo	CHH	-0.1091
Gm09	7135834	7136832	Gmdrm	hypo	CHH	-0.1566
Gm09	7136836	7137818	Gmdrm	hypo	CHH	-0.0871
Gm09	7149035	7150032	Gmdrm	hypo	CHH	-0.1516
Gm09	7150040	7151039	Gmdrm	hypo	CHH	-0.084
Gm09	7151043	7151284	Gmdrm	hypo	CHH	-0.2523
Gm09	7153469	7154433	Gmdrm	hypo	CHH	-0.0153
Gm09	7156057	7157054	Gmdrm	hypo	CHH	-0.1545
Gm09	7157064	7158060	Gmdrm	hypo	CHH	-0.0328
Gm09	7169630	7170626	Gmdrm	hypo	CHH	-0.0379
Gm09	7171403	7172390	Gmdrm	hypo	CHH	-0.0282
Gm09	7172406	7172802	Gmdrm	hypo	CHH	-0.3801
Gm09	7172994	7173438	Gmdrm	hypo	CHH	-0.2418

Gm09	7173580	7174567 Gmdrm	hypo	CHH	-0.0224
Gm09	7192679	7193677 Gmdrm	hypo	CHH	-0.0268
Gm09	7205607	7206602 Gmdrm	hypo	CHH	-0.0688
Gm09	7206799	7207798 Gmdrm	hypo	CHH	-0.1129
Gm09	7212925	7213898 Gmdrm	hypo	CHH	-0.0167
Gm09	7217832	7218786 Gmdrm	hypo	CHH	-0.0225
Gm09	7221272	7222256 Gmdrm	hypo	CHH	-0.0532
Gm09	7246394	7247167 Gmdrm	hypo	CHH	-0.0384
Gm09	7263659	7264633 Gmdrm	hypo	CHH	-0.1385
Gm09	7265712	7266707 Gmdrm	hypo	CHH	-0.1131
Gm09	7266714	7267699 Gmdrm	hypo	CHH	-0.0951
Gm09	7273788	7274787 Gmdrm	hypo	CHH	-0.0591
Gm09	7289698	7290668 Gmdrm	hypo	CHH	-0.0297
Gm09	7309450	7310054 Gmdrm	hypo	CHH	-0.1108
Gm09	7314975	7315971 Gmdrm	hypo	CHH	-0.0159
Gm09	7319427	7320424 Gmdrm	hypo	CHH	-0.0713
Gm09	7321438	7322432 Gmdrm	hypo	CHH	-0.0921
Gm09	7322443	7323424 Gmdrm	hypo	CHH	-0.1032
Gm09	7328645	7329641 Gmdrm	hypo	CHH	-0.0204
Gm09	7329648	7330648 Gmdrm	hypo	CHH	-0.0864
Gm09	7330651	7331647 Gmdrm	hypo	CHH	-0.0156
Gm09	7331653	7332418 Gmdrm	hypo	CHH	-0.0243
Gm09	7332526	7333524 Gmdrm	hypo	CHH	-0.0432
Gm09	7340594	7341593 Gmdrm	hypo	CHH	-0.2425
Gm09	7341599	7341744 Gmdrm	hypo	CHH	-0.3153
Gm09	7344457	7345452 Gmdrm	hypo	CHH	-0.0507
Gm09	7345462	7346425 Gmdrm	hypo	CHH	-0.0975
Gm09	7346912	7347904 Gmdrm	hypo	CHH	-0.1202
Gm09	7347921	7348904 Gmdrm	hypo	CHH	-0.0845
Gm09	7352800	7353799 Gmdrm	hypo	CHH	-0.018
Gm09	7388878	7389872 Gmdrm	hypo	CHH	-0.0751
Gm09	7393176	7393922 Gmdrm	hypo	CHH	-0.0167
Gm09	7395317	7396316 Gmdrm	hypo	CHH	-0.042
Gm09	7425984	7426973 Gmdrm	hypo	CHH	-0.0339
Gm09	7430004	7431002 Gmdrm	hypo	CHH	-0.0272
Gm09	7431008	7431969 Gmdrm	hypo	CHH	-0.0806
Gm09	7435445	7436185 Gmdrm	hypo	CHH	-0.0272
Gm09	7461480	7462437 Gmdrm	hypo	CHH	-0.0223
Gm09	7463527	7464522 Gmdrm	hypo	CHH	-0.0293
Gm09	7476911	7477882 Gmdrm	hypo	CHH	-0.013
Gm09	7481869	7482820 Gmdrm	hypo	CHH	-0.0354
Gm09	7489172	7490139 Gmdrm	hypo	CHH	-0.0375
Gm09	7490177	7491168 Gmdrm	hypo	CHH	-0.0151
Gm09	7498525	7499495 Gmdrm	hypo	CHH	-0.1554
Gm09	7513295	7514283 Gmdrm	hypo	CHH	-0.0736
Gm09	7518206	7519201 Gmdrm	hypo	CHH	-0.0143

Gm09	7536475	7537469	Gmdrm	hypo	CHH	-0.0431
Gm09	7537480	7538176	Gmdrm	hypo	CHH	-0.0673
Gm09	7568013	7568974	Gmdrm	hypo	CHH	-0.0689
Gm09	7605160	7606145	Gmdrm	hypo	CHH	-0.0216
Gm09	7606168	7607159	Gmdrm	hypo	CHH	-0.0264
Gm09	7628842	7629840	Gmdrm	hypo	CHH	-0.0469
Gm09	7645020	7646019	Gmdrm	hypo	CHH	-0.0139
Gm09	7646029	7647026	Gmdrm	hypo	CHH	-0.0355
Gm09	7648090	7649088	Gmdrm	hypo	CHH	-0.0311
Gm09	7649098	7650098	Gmdrm	hypo	CHH	-0.024
Gm09	7650111	7651110	Gmdrm	hypo	CHH	-0.0577
Gm09	7651117	7652113	Gmdrm	hypo	CHH	-0.0193
Gm09	7652118	7653115	Gmdrm	hypo	CHH	-0.0568
Gm09	7653120	7654114	Gmdrm	hypo	CHH	-0.051
Gm09	7655146	7656138	Gmdrm	hypo	CHH	-0.0247
Gm09	7672711	7673678	Gmdrm	hypo	CHH	-0.0256
Gm09	7691416	7692410	Gmdrm	hypo	CHH	-0.0165
Gm09	7694434	7695398	Gmdrm	hypo	CHH	-0.0148
Gm09	7756989	7757907	Gmdrm	hypo	CHH	-0.1583
Gm09	7758646	7759613	Gmdrm	hypo	CHH	-0.0269
Gm09	7774574	7775571	Gmdrm	hypo	CHH	-0.274
Gm09	7775606	7776572	Gmdrm	hypo	CHH	-0.0215
Gm09	7778014	7778350	Gmdrm	hypo	CHH	-0.0711
Gm09	7779458	7780457	Gmdrm	hypo	CHH	-0.0188
Gm09	7781844	7782840	Gmdrm	hypo	CHH	-0.0462
Gm09	7782845	7783845	Gmdrm	hypo	CHH	-0.052
Gm09	7803463	7804434	Gmdrm	hypo	CHH	-0.1186
Gm09	7807497	7808490	Gmdrm	hypo	CHH	-0.0364
Gm09	7808503	7809486	Gmdrm	hypo	CHH	-0.0109
Gm09	7816624	7816860	Gmdrm	hypo	CHH	-0.0162
Gm09	7817049	7818049	Gmdrm	hypo	CHH	-0.0422
Gm09	7877632	7878631	Gmdrm	hypo	CHH	-0.0598
Gm09	7878653	7878964	Gmdrm	hypo	CHH	-0.6068
Gm09	7895986	7896977	Gmdrm	hypo	CHH	-0.0346
Gm09	7897001	7897992	Gmdrm	hypo	CHH	-0.0166
Gm09	7899027	7900003	Gmdrm	hypo	CHH	-0.0128
Gm09	7905603	7906580	Gmdrm	hypo	CHH	-0.0179
Gm09	7931043	7932001	Gmdrm	hypo	CHH	-0.0206
Gm09	7933079	7934069	Gmdrm	hypo	CHH	-0.0218
Gm09	7934919	7935918	Gmdrm	hypo	CHH	-0.0131
Gm09	7949829	7950828	Gmdrm	hypo	CHH	-0.0434
Gm09	7950833	7951805	Gmdrm	hypo	CHH	-0.0266
Gm09	7962856	7963856	Gmdrm	hypo	CHH	-0.0761
Gm09	7963857	7964855	Gmdrm	hypo	CHH	-0.0277
Gm09	7972794	7973765	Gmdrm	hypo	CHH	-0.0335
Gm09	7975828	7976814	Gmdrm	hypo	CHH	-0.0265

Gm09	8059749	8060740	Gmdrm	hypo	CHH	-0.0867
Gm09	8088077	8089063	Gmdrm	hypo	CHH	-0.0509
Gm09	8106702	8107681	Gmdrm	hypo	CHH	-0.0114
Gm09	8124915	8125914	Gmdrm	hypo	CHH	-0.0977
Gm09	8125916	8126912	Gmdrm	hypo	CHH	-0.047
Gm09	8130347	8131347	Gmdrm	hypo	CHH	-0.1725
Gm09	8131348	8132345	Gmdrm	hypo	CHH	-0.0992
Gm09	8132361	8133354	Gmdrm	hypo	CHH	-0.0421
Gm09	8155368	8156362	Gmdrm	hypo	CHH	-0.0276
Gm09	8158914	8159913	Gmdrm	hypo	CHH	-0.1233
Gm09	8159923	8160923	Gmdrm	hypo	CHH	-0.1061
Gm09	8174698	8175697	Gmdrm	hypo	CHH	-0.0653
Gm09	8175744	8176025	Gmdrm	hypo	CHH	-0.074
Gm09	8195214	8196050	Gmdrm	hypo	CHH	-0.0277
Gm09	8221687	8221840	Gmdrm	hypo	CHH	-0.0323
Gm09	8237194	8238192	Gmdrm	hypo	CHH	-0.0172
Gm09	8238195	8239192	Gmdrm	hypo	CHH	-0.0277
Gm09	8247199	8248183	Gmdrm	hypo	CHH	-0.0149
Gm09	8264877	8265047	Gmdrm	hypo	CHH	-0.06
Gm09	8274064	8275061	Gmdrm	hypo	CHH	-0.1366
Gm09	8275352	8276103	Gmdrm	hypo	CHH	-0.0926
Gm09	8278874	8279703	Gmdrm	hypo	CHH	-0.1372
Gm09	8281014	8282013	Gmdrm	hypo	CHH	-0.0304
Gm09	8331911	8332904	Gmdrm	hypo	CHH	-0.1719
Gm09	8361295	8362289	Gmdrm	hypo	CHH	-0.0341
Gm09	8362312	8363311	Gmdrm	hypo	CHH	-0.1317
Gm09	8415118	8416117	Gmdrm	hypo	CHH	-0.038
Gm09	8420033	8420731	Gmdrm	hypo	CHH	-0.031
Gm09	8424665	8425663	Gmdrm	hypo	CHH	-0.0542
Gm09	8425674	8426670	Gmdrm	hypo	CHH	-0.0664
Gm09	8432244	8433236	Gmdrm	hypo	CHH	-0.0163
Gm09	8436584	8437576	Gmdrm	hypo	CHH	-0.0388
Gm09	8442651	8443649	Gmdrm	hypo	CHH	-0.0982
Gm09	8485807	8486804	Gmdrm	hypo	CHH	-0.1461
Gm09	8487173	8488157	Gmdrm	hypo	CHH	-0.1342
Gm09	8496955	8497955	Gmdrm	hypo	CHH	-0.059
Gm09	8507041	8508041	Gmdrm	hypo	CHH	-0.0351
Gm09	8508044	8509034	Gmdrm	hypo	CHH	-0.1095
Gm09	8509063	8510063	Gmdrm	hypo	CHH	-0.1728
Gm09	8510069	8510513	Gmdrm	hypo	CHH	-0.1592
Gm09	8515421	8516410	Gmdrm	hypo	CHH	-0.0823
Gm09	8524590	8525587	Gmdrm	hypo	CHH	-0.0555
Gm09	8525603	8526597	Gmdrm	hypo	CHH	-0.0728
Gm09	8526613	8527609	Gmdrm	hypo	CHH	-0.0774
Gm09	8528571	8529264	Gmdrm	hypo	CHH	-0.08
Gm09	8533706	8534705	Gmdrm	hypo	CHH	-0.028

Gm09	8534728	8535713	Gmdrm	hypo	CHH	-0.0528
Gm09	8536680	8537655	Gmdrm	hypo	CHH	-0.0328
Gm09	8542458	8543458	Gmdrm	hypo	CHH	-0.0438
Gm09	8545468	8546428	Gmdrm	hypo	CHH	-0.1026
Gm09	8548562	8549545	Gmdrm	hypo	CHH	-0.0382
Gm09	8574499	8575495	Gmdrm	hypo	CHH	-0.0563
Gm09	8614908	8615273	Gmdrm	hypo	CHH	-0.0331
Gm09	8679012	8680004	Gmdrm	hypo	CHH	-0.0231
Gm09	8681727	8682394	Gmdrm	hypo	CHH	-0.0462
Gm09	8701432	8702300	Gmdrm	hypo	CHH	-0.0337
Gm09	8706764	8707740	Gmdrm	hypo	CHH	-0.0202
Gm09	8727776	8728767	Gmdrm	hypo	CHH	-0.0567
Gm09	8732182	8733181	Gmdrm	hypo	CHH	-0.1155
Gm09	8734194	8735185	Gmdrm	hypo	CHH	-0.0878
Gm09	8735211	8736134	Gmdrm	hypo	CHH	-0.0146
Gm09	8736225	8737123	Gmdrm	hypo	CHH	-0.0508
Gm09	8757257	8758251	Gmdrm	hypo	CHH	-0.1323
Gm09	8758263	8759253	Gmdrm	hypo	CHH	-0.1424
Gm09	8760851	8761851	Gmdrm	hypo	CHH	-0.0408
Gm09	8762870	8763868	Gmdrm	hypo	CHH	-0.0177
Gm09	8765746	8766743	Gmdrm	hypo	CHH	-0.1057
Gm09	8770445	8770877	Gmdrm	hypo	CHH	-0.0298
Gm09	8773015	8773169	Gmdrm	hypo	CHH	-0.11
Gm09	8773456	8774430	Gmdrm	hypo	CHH	-0.0582
Gm09	8774461	8774596	Gmdrm	hypo	CHH	-0.0614
Gm09	8774968	8775963	Gmdrm	hypo	CHH	-0.0586
Gm09	8812044	8813043	Gmdrm	hypo	CHH	-0.0582
Gm09	8814057	8815049	Gmdrm	hypo	CHH	-0.0472
Gm09	8817113	8817288	Gmdrm	hypo	CHH	-0.0413
Gm09	8844070	8845035	Gmdrm	hypo	CHH	-0.0466
Gm09	8845462	8846449	Gmdrm	hypo	CHH	-0.0425
Gm09	8861513	8862512	Gmdrm	hypo	CHH	-0.066
Gm09	8916196	8917184	Gmdrm	hypo	CHH	-0.0684
Gm09	8917201	8917988	Gmdrm	hypo	CHH	-0.0769
Gm09	8920153	8921148	Gmdrm	hypo	CHH	-0.0157
Gm09	8924437	8925392	Gmdrm	hypo	CHH	-0.031
Gm09	8925467	8926068	Gmdrm	hypo	CHH	-0.02
Gm09	8926174	8927160	Gmdrm	hypo	CHH	-0.0722
Gm09	8928462	8929455	Gmdrm	hypo	CHH	-0.0249
Gm09	8930708	8931704	Gmdrm	hypo	CHH	-0.0425
Gm09	8931720	8932720	Gmdrm	hypo	CHH	-0.0467
Gm09	8937747	8938720	Gmdrm	hypo	CHH	-0.0847
Gm09	8938754	8939744	Gmdrm	hypo	CHH	-0.1168
Gm09	8950504	8951478	Gmdrm	hypo	CHH	-0.0114
Gm09	9060317	9061074	Gmdrm	hypo	CHH	-0.0877
Gm09	9073592	9074577	Gmdrm	hypo	CHH	-0.1161

Gm09	9119721	9120716 Gmdrm	hypo	CHH	-0.0828
Gm09	9120752	9121382 Gmdrm	hypo	CHH	-0.1868
Gm09	9121492	9122471 Gmdrm	hypo	CHH	-0.0786
Gm09	9137375	9138361 Gmdrm	hypo	CHH	-0.0408
Gm09	9165348	9166343 Gmdrm	hypo	CHH	-0.1152
Gm09	9166355	9167337 Gmdrm	hypo	CHH	-0.0525
Gm09	9167368	9168335 Gmdrm	hypo	CHH	-0.0163
Gm09	9169653	9170647 Gmdrm	hypo	CHH	-0.04
Gm09	9171683	9172673 Gmdrm	hypo	CHH	-0.037
Gm09	9178772	9179772 Gmdrm	hypo	CHH	-0.1125
Gm09	9179789	9180765 Gmdrm	hypo	CHH	-0.0682
Gm09	9181410	9182408 Gmdrm	hypo	CHH	-0.0529
Gm09	9192519	9193418 Gmdrm	hypo	CHH	-0.0457
Gm09	9197630	9198613 Gmdrm	hypo	CHH	-0.0987
Gm09	9205488	9206480 Gmdrm	hypo	CHH	-0.0153
Gm09	9208616	9209138 Gmdrm	hypo	CHH	-0.1624
Gm09	9209251	9209283 Gmdrm	hypo	CHH	-0.2437
Gm09	9209508	9210501 Gmdrm	hypo	CHH	-0.0869
Gm09	9246071	9247066 Gmdrm	hypo	CHH	-0.0333
Gm09	9249108	9250071 Gmdrm	hypo	CHH	-0.0952
Gm09	9250109	9250881 Gmdrm	hypo	CHH	-0.0729
Gm09	9254466	9255466 Gmdrm	hypo	CHH	-0.0673
Gm09	9266885	9267875 Gmdrm	hypo	CHH	-0.0967
Gm09	9267896	9268833 Gmdrm	hypo	CHH	-0.0171
Gm09	9298580	9299580 Gmdrm	hypo	CHH	-0.019
Gm09	9299599	9299871 Gmdrm	hypo	CHH	-0.097
Gm09	9303755	9304752 Gmdrm	hypo	CHH	-0.0187
Gm09	9316351	9317349 Gmdrm	hypo	CHH	-0.0963
Gm09	9317357	9318357 Gmdrm	hypo	CHH	-0.1462
Gm09	9322898	9323587 Gmdrm	hypo	CHH	-0.0185
Gm09	9327698	9328664 Gmdrm	hypo	CHH	-0.0192
Gm09	9334762	9335760 Gmdrm	hypo	CHH	-0.0495
Gm09	9335772	9336768 Gmdrm	hypo	CHH	-0.0269
Gm09	9337096	9338038 Gmdrm	hypo	CHH	-0.0395
Gm09	9338128	9339125 Gmdrm	hypo	CHH	-0.0295
Gm09	9339149	9340143 Gmdrm	hypo	CHH	-0.0233
Gm09	9340985	9341119 Gmdrm	hypo	CHH	-0.0687
Gm09	9341221	9342213 Gmdrm	hypo	CHH	-0.0355
Gm09	9342222	9343217 Gmdrm	hypo	CHH	-0.0675
Gm09	9343247	9344237 Gmdrm	hypo	CHH	-0.0653
Gm09	9344266	9345264 Gmdrm	hypo	CHH	-0.0627
Gm09	9378487	9379486 Gmdrm	hypo	CHH	-0.0187
Gm09	9381583	9382565 Gmdrm	hypo	CHH	-0.0288
Gm09	9382602	9383579 Gmdrm	hypo	CHH	-0.0381
Gm09	9386629	9387615 Gmdrm	hypo	CHH	-0.013
Gm09	9391090	9392078 Gmdrm	hypo	CHH	-0.0224

Gm09	9466737	9467178	Gmdrm	hypo	CHH	-0.0236
Gm09	9486539	9486814	Gmdrm	hypo	CHH	-0.0457
Gm09	9487298	9488273	Gmdrm	hypo	CHH	-0.0273
Gm09	9506483	9507472	Gmdrm	hypo	CHH	-0.0851
Gm09	9507500	9508500	Gmdrm	hypo	CHH	-0.0201
Gm09	9508510	9508983	Gmdrm	hypo	CHH	-0.1174
Gm09	9511492	9512476	Gmdrm	hypo	CHH	-0.1664
Gm09	9532668	9533666	Gmdrm	hypo	CHH	-0.0275
Gm09	9537103	9538090	Gmdrm	hypo	CHH	-0.0342
Gm09	9538131	9539131	Gmdrm	hypo	CHH	-0.1224
Gm09	9539154	9540147	Gmdrm	hypo	CHH	-0.0479
Gm09	9541726	9542719	Gmdrm	hypo	CHH	-0.0419
Gm09	9561885	9562885	Gmdrm	hypo	CHH	-0.1318
Gm09	9566352	9567340	Gmdrm	hypo	CHH	-0.1494
Gm09	9567378	9568375	Gmdrm	hypo	CHH	-0.0939
Gm09	9598603	9599589	Gmdrm	hypo	CHH	-0.045
Gm09	9599607	9600589	Gmdrm	hypo	CHH	-0.0184
Gm09	9602696	9603014	Gmdrm	hypo	CHH	-0.036
Gm09	9607674	9608635	Gmdrm	hypo	CHH	-0.015
Gm09	9616562	9617017	Gmdrm	hypo	CHH	-0.0219
Gm09	9618412	9619402	Gmdrm	hypo	CHH	-0.0218
Gm09	9619444	9620444	Gmdrm	hypo	CHH	-0.1001
Gm09	9628413	9629413	Gmdrm	hypo	CHH	-0.038
Gm09	9629417	9630409	Gmdrm	hypo	CHH	-0.1087
Gm09	9631639	9632346	Gmdrm	hypo	CHH	-0.1023
Gm09	9664811	9665810	Gmdrm	hypo	CHH	-0.0403
Gm09	9678282	9679232	Gmdrm	hypo	CHH	-0.0232
Gm09	9684400	9685395	Gmdrm	hypo	CHH	-0.0266
Gm09	9691464	9692463	Gmdrm	hypo	CHH	-0.0353
Gm09	9692467	9693464	Gmdrm	hypo	CHH	-0.0214
Gm09	9699509	9700509	Gmdrm	hypo	CHH	-0.0403
Gm09	9705943	9706910	Gmdrm	hypo	CHH	-0.0135
Gm09	9707907	9708877	Gmdrm	hypo	CHH	-0.0563
Gm09	9708939	9709830	Gmdrm	hypo	CHH	-0.2523
Gm09	9713575	9714570	Gmdrm	hypo	CHH	-0.0651
Gm09	9715583	9716576	Gmdrm	hypo	CHH	-0.0804
Gm09	9716590	9717190	Gmdrm	hypo	CHH	-0.0398
Gm09	9726687	9727607	Gmdrm	hypo	CHH	-0.0459
Gm09	9746358	9746993	Gmdrm	hypo	CHH	-0.0447
Gm09	9761594	9762549	Gmdrm	hypo	CHH	-0.1064
Gm09	9858675	9859661	Gmdrm	hypo	CHH	-0.059
Gm09	9859686	9860677	Gmdrm	hypo	CHH	-0.0238
Gm09	9863006	9863982	Gmdrm	hypo	CHH	-0.0208
Gm09	9864022	9864974	Gmdrm	hypo	CHH	-0.0216
Gm09	9867711	9868629	Gmdrm	hypo	CHH	-0.0471
Gm09	9902605	9903567	Gmdrm	hypo	CHH	-0.0607

Gm09	9903645	9904638 Gmdrm	hypo	CHH	-0.0564
Gm09	9904658	9905657 Gmdrm	hypo	CHH	-0.0702
Gm09	9905663	9906663 Gmdrm	hypo	CHH	-0.038
Gm09	9906671	9907658 Gmdrm	hypo	CHH	-0.0258
Gm09	9908711	9909690 Gmdrm	hypo	CHH	-0.111
Gm09	9919617	9920607 Gmdrm	hypo	CHH	-0.0209
Gm09	9920619	9921611 Gmdrm	hypo	CHH	-0.0494
Gm09	9933241	9934234 Gmdrm	hypo	CHH	-0.0271
Gm09	9935255	9936242 Gmdrm	hypo	CHH	-0.0994
Gm09	9949234	9950200 Gmdrm	hypo	CHH	-0.0312
Gm09	9950265	9951237 Gmdrm	hypo	CHH	-0.013
Gm09	9960043	9961036 Gmdrm	hypo	CHH	-0.0369
Gm09	9976685	9977658 Gmdrm	hypo	CHH	-0.1216
Gm09	9977915	9978914 Gmdrm	hypo	CHH	-0.0231
Gm09	9991738	9992738 Gmdrm	hypo	CHH	-0.0447
Gm09	10005328	10006196 Gmdrm	hypo	CHH	-0.0613
Gm09	10006347	10007332 Gmdrm	hypo	CHH	-0.076
Gm09	10011172	10011775 Gmdrm	hypo	CHH	-0.1302
Gm09	10012413	10012715 Gmdrm	hypo	CHH	-0.1372
Gm09	10012846	10013844 Gmdrm	hypo	CHH	-0.0509
Gm09	10022892	10023889 Gmdrm	hypo	CHH	-0.0664
Gm09	10028000	10028907 Gmdrm	hypo	CHH	-0.03
Gm09	10032258	10033246 Gmdrm	hypo	CHH	-0.061
Gm09	10091436	10092415 Gmdrm	hypo	CHH	-0.013
Gm09	10095506	10096490 Gmdrm	hypo	CHH	-0.0629
Gm09	10105647	10106241 Gmdrm	hypo	CHH	-0.0625
Gm09	10108659	10109645 Gmdrm	hypo	CHH	-0.0827
Gm09	10118591	10119591 Gmdrm	hypo	CHH	-0.1
Gm09	10127497	10128475 Gmdrm	hypo	CHH	-0.083
Gm09	10133318	10134313 Gmdrm	hypo	CHH	-0.0546
Gm09	10134322	10135309 Gmdrm	hypo	CHH	-0.0545
Gm09	10145882	10146882 Gmdrm	hypo	CHH	-0.0201
Gm09	10161090	10162081 Gmdrm	hypo	CHH	-0.0902
Gm09	10162092	10163009 Gmdrm	hypo	CHH	-0.0907
Gm09	10173613	10174612 Gmdrm	hypo	CHH	-0.1104
Gm09	10174616	10175580 Gmdrm	hypo	CHH	-0.1009
Gm09	10194080	10195080 Gmdrm	hypo	CHH	-0.0685
Gm09	10201782	10202755 Gmdrm	hypo	CHH	-0.0731
Gm09	10222976	10223935 Gmdrm	hypo	CHH	-0.0374
Gm09	10226286	10227284 Gmdrm	hypo	CHH	-0.024
Gm09	10227294	10227998 Gmdrm	hypo	CHH	-0.1353
Gm09	10228107	10228895 Gmdrm	hypo	CHH	-0.0169
Gm09	10232570	10233569 Gmdrm	hypo	CHH	-0.0399
Gm09	10240373	10240666 Gmdrm	hypo	CHH	-0.141
Gm09	10242748	10243742 Gmdrm	hypo	CHH	-0.0238
Gm09	10246533	10246974 Gmdrm	hypo	CHH	-0.0774

Gm09	10256515	10257493	Gmdrm	hypo	CHH	-0.0543
Gm09	10258562	10259562	Gmdrm	hypo	CHH	-0.0183
Gm09	10292681	10293639	Gmdrm	hypo	CHH	-0.0619
Gm09	10294326	10295326	Gmdrm	hypo	CHH	-0.0401
Gm09	10295331	10296320	Gmdrm	hypo	CHH	-0.0499
Gm09	10297341	10298248	Gmdrm	hypo	CHH	-0.0406
Gm09	10298358	10299349	Gmdrm	hypo	CHH	-0.0932
Gm09	10299360	10300357	Gmdrm	hypo	CHH	-0.0647
Gm09	10344710	10345689	Gmdrm	hypo	CHH	-0.0137
Gm09	10346898	10347896	Gmdrm	hypo	CHH	-0.0442
Gm09	10347905	10348353	Gmdrm	hypo	CHH	-0.0806
Gm09	10368886	10369863	Gmdrm	hypo	CHH	-0.0182
Gm09	10374328	10375317	Gmdrm	hypo	CHH	-0.0571
Gm09	10378350	10379345	Gmdrm	hypo	CHH	-0.0227
Gm09	10379355	10380355	Gmdrm	hypo	CHH	-0.0564
Gm09	10381360	10381526	Gmdrm	hypo	CHH	-0.0387
Gm09	10385534	10386498	Gmdrm	hypo	CHH	-0.0277
Gm09	10389461	10390449	Gmdrm	hypo	CHH	-0.0416
Gm09	10390462	10391447	Gmdrm	hypo	CHH	-0.0306
Gm09	10395491	10396491	Gmdrm	hypo	CHH	-0.1883
Gm09	10420828	10421803	Gmdrm	hypo	CHH	-0.0846
Gm09	10458586	10459584	Gmdrm	hypo	CHH	-0.0493
Gm09	10497453	10498452	Gmdrm	hypo	CHH	-0.0503
Gm09	10516896	10517575	Gmdrm	hypo	CHH	-0.0221
Gm09	10520001	10520991	Gmdrm	hypo	CHH	-0.028
Gm09	10532965	10533963	Gmdrm	hypo	CHH	-0.0982
Gm09	10580849	10581848	Gmdrm	hypo	CHH	-0.0325
Gm09	10587298	10588298	Gmdrm	hypo	CHH	-0.0679
Gm09	10589754	10590744	Gmdrm	hypo	CHH	-0.0365
Gm09	10595194	10596192	Gmdrm	hypo	CHH	-0.0504
Gm09	10744955	10745681	Gmdrm	hypo	CHH	-0.105
Gm09	10774365	10775352	Gmdrm	hypo	CHH	-0.0442
Gm09	10783505	10784498	Gmdrm	hypo	CHH	-0.1667
Gm09	10784521	10785519	Gmdrm	hypo	CHH	-0.1566
Gm09	10785526	10786485	Gmdrm	hypo	CHH	-0.0686
Gm09	10789621	10789804	Gmdrm	hypo	CHH	-0.055
Gm09	10837472	10838471	Gmdrm	hypo	CHH	-0.0595
Gm09	10888899	10889142	Gmdrm	hypo	CHH	-0.0245
Gm09	10893947	10894940	Gmdrm	hypo	CHH	-0.0319
Gm09	10947182	10948179	Gmdrm	hypo	CHH	-0.0814
Gm09	10952268	10953267	Gmdrm	hypo	CHH	-0.0481
Gm09	10953273	10954269	Gmdrm	hypo	CHH	-0.0493
Gm09	11042052	11043050	Gmdrm	hypo	CHH	-0.0365
Gm09	11048887	11049885	Gmdrm	hypo	CHH	-0.0551
Gm09	11087447	11088447	Gmdrm	hypo	CHH	-0.0444
Gm09	11090433	11090913	Gmdrm	hypo	CHH	-0.0906

Gm09	11095266	11096202	Gmdrm	hypo	CHH	-0.0428
Gm09	11096274	11097206	Gmdrm	hypo	CHH	-0.0887
Gm09	11104423	11104734	Gmdrm	hypo	CHH	-0.063
Gm09	11107376	11108371	Gmdrm	hypo	CHH	-0.0318
Gm09	11108379	11108597	Gmdrm	hypo	CHH	-0.0824
Gm09	11156172	11157166	Gmdrm	hypo	CHH	-0.0388
Gm09	11224675	11225077	Gmdrm	hypo	CHH	-0.0739
Gm09	11225197	11226191	Gmdrm	hypo	CHH	-0.0993
Gm09	11226204	11226631	Gmdrm	hypo	CHH	-0.0435
Gm09	11232376	11233372	Gmdrm	hypo	CHH	-0.0121
Gm09	11262080	11263061	Gmdrm	hypo	CHH	-0.048
Gm09	11263086	11264029	Gmdrm	hypo	CHH	-0.0223
Gm09	11264415	11265382	Gmdrm	hypo	CHH	-0.0105
Gm09	11321969	11322940	Gmdrm	hypo	CHH	-0.0507
Gm09	11322973	11323970	Gmdrm	hypo	CHH	-0.0302
Gm09	11334612	11335053	Gmdrm	hypo	CHH	-0.0964
Gm09	11335326	11335801	Gmdrm	hypo	CHH	-0.0332
Gm09	11335913	11336896	Gmdrm	hypo	CHH	-0.0167
Gm09	11353942	11354928	Gmdrm	hypo	CHH	-0.0921
Gm09	11354986	11355105	Gmdrm	hypo	CHH	-0.0528
Gm09	11358503	11359469	Gmdrm	hypo	CHH	-0.067
Gm09	11395969	11396941	Gmdrm	hypo	CHH	-0.0328
Gm09	11429695	11430690	Gmdrm	hypo	CHH	-0.0453
Gm09	11436161	11437157	Gmdrm	hypo	CHH	-0.0851
Gm09	11448797	11449770	Gmdrm	hypo	CHH	-0.0295
Gm09	11452892	11453889	Gmdrm	hypo	CHH	-0.0626
Gm09	11456673	11457653	Gmdrm	hypo	CHH	-0.0193
Gm09	11471397	11472394	Gmdrm	hypo	CHH	-0.0631
Gm09	11547768	11548763	Gmdrm	hypo	CHH	-0.0793
Gm09	11548771	11549767	Gmdrm	hypo	CHH	-0.0422
Gm09	11549789	11550788	Gmdrm	hypo	CHH	-0.0401
Gm09	11603981	11604302	Gmdrm	hypo	CHH	-0.0317
Gm09	11624550	11625544	Gmdrm	hypo	CHH	-0.0199
Gm09	11625554	11626550	Gmdrm	hypo	CHH	-0.0202
Gm09	11626565	11627522	Gmdrm	hypo	CHH	-0.0169
Gm09	11656413	11657413	Gmdrm	hypo	CHH	-0.1658
Gm09	11657435	11657547	Gmdrm	hypo	CHH	-0.1043
Gm09	11664124	11665122	Gmdrm	hypo	CHH	-0.037
Gm09	11681381	11681401	Gmdrm	hypo	CHH	-0.08
Gm09	11686112	11687107	Gmdrm	hypo	CHH	-0.0297
Gm09	11687118	11688088	Gmdrm	hypo	CHH	-0.1165
Gm09	11688131	11688312	Gmdrm	hypo	CHH	-0.0225
Gm09	11688435	11689398	Gmdrm	hypo	CHH	-0.0677
Gm09	11704397	11705213	Gmdrm	hypo	CHH	-0.0231
Gm09	11707685	11708683	Gmdrm	hypo	CHH	-0.0154
Gm09	11747058	11748057	Gmdrm	hypo	CHH	-0.0717

Gm09	11764577	11765408	Gmdrm	hypo	CHH	-0.02
Gm09	11779407	11780399	Gmdrm	hypo	CHH	-0.0704
Gm09	11785450	11786301	Gmdrm	hypo	CHH	-0.0866
Gm09	11789480	11790472	Gmdrm	hypo	CHH	-0.1192
Gm09	11790481	11791453	Gmdrm	hypo	CHH	-0.1324
Gm09	11791483	11792450	Gmdrm	hypo	CHH	-0.0702
Gm09	11792518	11793512	Gmdrm	hypo	CHH	-0.0196
Gm09	11879725	11880464	Gmdrm	hypo	CHH	-0.0429
Gm09	11894843	11895840	Gmdrm	hypo	CHH	-0.041
Gm09	11895844	11895897	Gmdrm	hypo	CHH	-0.2369
Gm09	11945976	11946502	Gmdrm	hypo	CHH	-0.0187
Gm09	12031502	12032501	Gmdrm	hypo	CHH	-0.0722
Gm09	12058533	12059531	Gmdrm	hypo	CHH	-0.0177
Gm09	12060552	12061551	Gmdrm	hypo	CHH	-0.0308
Gm09	12065164	12065792	Gmdrm	hypo	CHH	-0.0463
Gm09	12069980	12070965	Gmdrm	hypo	CHH	-0.0213
Gm09	12100067	12101065	Gmdrm	hypo	CHH	-0.0439
Gm09	12101070	12102065	Gmdrm	hypo	CHH	-0.1119
Gm09	12113094	12114086	Gmdrm	hypo	CHH	-0.018
Gm09	12114110	12115108	Gmdrm	hypo	CHH	-0.0603
Gm09	12115113	12116082	Gmdrm	hypo	CHH	-0.0344
Gm09	12116117	12117114	Gmdrm	hypo	CHH	-0.039
Gm09	12117123	12118117	Gmdrm	hypo	CHH	-0.0328
Gm09	12136195	12137191	Gmdrm	hypo	CHH	-0.0165
Gm09	12158491	12159420	Gmdrm	hypo	CHH	-0.0349
Gm09	12159505	12160492	Gmdrm	hypo	CHH	-0.0225
Gm09	12160507	12161465	Gmdrm	hypo	CHH	-0.0278
Gm09	12166094	12167075	Gmdrm	hypo	CHH	-0.0344
Gm09	12178923	12179903	Gmdrm	hypo	CHH	-0.0492
Gm09	12184803	12184948	Gmdrm	hypo	CHH	-0.0467
Gm09	12186134	12186682	Gmdrm	hypo	CHH	-0.2787
Gm09	12189404	12189694	Gmdrm	hypo	CHH	-0.1082
Gm09	12235801	12236495	Gmdrm	hypo	CHH	-0.0762
Gm09	12236602	12236956	Gmdrm	hypo	CHH	-0.0923
Gm09	12241382	12241556	Gmdrm	hypo	CHH	-0.131
Gm09	12246765	12247467	Gmdrm	hypo	CHH	-0.1192
Gm09	12247585	12248025	Gmdrm	hypo	CHH	-0.1317
Gm09	12298452	12299193	Gmdrm	hypo	CHH	-0.0203
Gm09	12313283	12314263	Gmdrm	hypo	CHH	-0.0337
Gm09	12314303	12315205	Gmdrm	hypo	CHH	-0.0603
Gm09	12318849	12319665	Gmdrm	hypo	CHH	-0.0732
Gm09	12319780	12320773	Gmdrm	hypo	CHH	-0.0458
Gm09	12321882	12322875	Gmdrm	hypo	CHH	-0.0153
Gm09	12367107	12368101	Gmdrm	hypo	CHH	-0.0913
Gm09	12376469	12377004	Gmdrm	hypo	CHH	-0.399
Gm09	12377410	12378404	Gmdrm	hypo	CHH	-0.0679

Gm09	12378417	12379338	Gmdrm	hypo	CHH	-0.0221
Gm09	12386373	12387370	Gmdrm	hypo	CHH	-0.0679
Gm09	12387377	12388349	Gmdrm	hypo	CHH	-0.0205
Gm09	12397270	12398258	Gmdrm	hypo	CHH	-0.0384
Gm09	12398275	12398694	Gmdrm	hypo	CHH	-0.0177
Gm09	12428572	12429565	Gmdrm	hypo	CHH	-0.0293
Gm09	12436802	12437796	Gmdrm	hypo	CHH	-0.0323
Gm09	12437808	12438808	Gmdrm	hypo	CHH	-0.0215
Gm09	12468656	12469656	Gmdrm	hypo	CHH	-0.0882
Gm09	12469657	12470656	Gmdrm	hypo	CHH	-0.1202
Gm09	12470658	12471654	Gmdrm	hypo	CHH	-0.0683
Gm09	12473656	12474655	Gmdrm	hypo	CHH	-0.0488
Gm09	12474676	12475543	Gmdrm	hypo	CHH	-0.0436
Gm09	12475657	12476654	Gmdrm	hypo	CHH	-0.0599
Gm09	12476666	12477632	Gmdrm	hypo	CHH	-0.0544
Gm09	12486363	12487362	Gmdrm	hypo	CHH	-0.0438
Gm09	12518852	12519834	Gmdrm	hypo	CHH	-0.0881
Gm09	12519866	12520865	Gmdrm	hypo	CHH	-0.0508
Gm09	12525764	12526203	Gmdrm	hypo	CHH	-0.0413
Gm09	12527327	12528325	Gmdrm	hypo	CHH	-0.0631
Gm09	12541535	12542523	Gmdrm	hypo	CHH	-0.0175
Gm09	12542614	12543612	Gmdrm	hypo	CHH	-0.0721
Gm09	12543619	12544597	Gmdrm	hypo	CHH	-0.0998
Gm09	12553971	12554970	Gmdrm	hypo	CHH	-0.0126
Gm09	12554972	12555947	Gmdrm	hypo	CHH	-0.071
Gm09	12723298	12724285	Gmdrm	hypo	CHH	-0.0307
Gm09	12725342	12726342	Gmdrm	hypo	CHH	-0.0358
Gm09	12738968	12739968	Gmdrm	hypo	CHH	-0.0375
Gm09	12739975	12740948	Gmdrm	hypo	CHH	-0.0432
Gm09	12774338	12775334	Gmdrm	hypo	CHH	-0.0143
Gm09	12775370	12776068	Gmdrm	hypo	CHH	-0.0263
Gm09	12778507	12779495	Gmdrm	hypo	CHH	-0.2255
Gm09	12814519	12815509	Gmdrm	hypo	CHH	-0.0414
Gm09	12818564	12819562	Gmdrm	hypo	CHH	-0.1322
Gm09	12828523	12829513	Gmdrm	hypo	CHH	-0.0173
Gm09	12829533	12830531	Gmdrm	hypo	CHH	-0.0664
Gm09	12833576	12834575	Gmdrm	hypo	CHH	-0.0489
Gm09	12834581	12835006	Gmdrm	hypo	CHH	-0.0429
Gm09	12835411	12836403	Gmdrm	hypo	CHH	-0.0256
Gm09	12836412	12837405	Gmdrm	hypo	CHH	-0.062
Gm09	12855278	12856278	Gmdrm	hypo	CHH	-0.0715
Gm09	12857295	12857773	Gmdrm	hypo	CHH	-0.0146
Gm09	12868792	12869785	Gmdrm	hypo	CHH	-0.0213
Gm09	12902385	12903372	Gmdrm	hypo	CHH	-0.0366
Gm09	12903393	12904391	Gmdrm	hypo	CHH	-0.0382
Gm09	12923016	12924014	Gmdrm	hypo	CHH	-0.0544

Gm09	12935574	12936574	Gmdrm	hypo	CHH	-0.0479
Gm09	12936576	12937573	Gmdrm	hypo	CHH	-0.0905
Gm09	12949521	12950521	Gmdrm	hypo	CHH	-0.0286
Gm09	12970055	12971016	Gmdrm	hypo	CHH	-0.3325
Gm09	12971061	12972045	Gmdrm	hypo	CHH	-0.4289
Gm09	13006157	13007149	Gmdrm	hypo	CHH	-0.0167
Gm09	13007187	13008185	Gmdrm	hypo	CHH	-0.022
Gm09	13008984	13009980	Gmdrm	hypo	CHH	-0.0556
Gm09	13099021	13099186	Gmdrm	hypo	CHH	-0.122
Gm09	13099302	13099925	Gmdrm	hypo	CHH	-0.043
Gm09	13148547	13149541	Gmdrm	hypo	CHH	-0.028
Gm09	13149553	13150552	Gmdrm	hypo	CHH	-0.0414
Gm09	13153458	13154446	Gmdrm	hypo	CHH	-0.2006
Gm09	13202788	13203512	Gmdrm	hypo	CHH	-0.1878
Gm09	13285888	13286839	Gmdrm	hypo	CHH	-0.0279
Gm09	13348752	13349752	Gmdrm	hypo	CHH	-0.0369
Gm09	13349756	13350755	Gmdrm	hypo	CHH	-0.0422
Gm09	13445750	13446728	Gmdrm	hypo	CHH	-0.1335
Gm09	13536486	13536596	Gmdrm	hypo	CHH	-0.0273
Gm09	13536697	13536859	Gmdrm	hypo	CHH	-0.095
Gm09	13536978	13537964	Gmdrm	hypo	CHH	-0.0306
Gm09	13541869	13542846	Gmdrm	hypo	CHH	-0.1035
Gm09	13542875	13543691	Gmdrm	hypo	CHH	-0.1157
Gm09	13554155	13555144	Gmdrm	hypo	CHH	-0.0261
Gm09	13556822	13557805	Gmdrm	hypo	CHH	-0.083
Gm09	13725677	13725938	Gmdrm	hypo	CHH	-0.0433
Gm09	13738357	13739352	Gmdrm	hypo	CHH	-0.0803
Gm09	13743385	13744369	Gmdrm	hypo	CHH	-0.041
Gm09	13744402	13745384	Gmdrm	hypo	CHH	-0.1161
Gm09	13745409	13746171	Gmdrm	hypo	CHH	-0.1221
Gm09	13763010	13763987	Gmdrm	hypo	CHH	-0.0479
Gm09	13786518	13787514	Gmdrm	hypo	CHH	-0.0155
Gm09	13832256	13833237	Gmdrm	hypo	CHH	-0.0623
Gm09	13834591	13835582	Gmdrm	hypo	CHH	-0.0228
Gm09	13836610	13837610	Gmdrm	hypo	CHH	-0.045
Gm09	13902137	13903116	Gmdrm	hypo	CHH	-0.1874
Gm09	13948240	13948312	Gmdrm	hypo	CHH	-0.1845
Gm09	13965688	13966688	Gmdrm	hypo	CHH	-0.0331
Gm09	13966696	13967693	Gmdrm	hypo	CHH	-0.022
Gm09	13970748	13971739	Gmdrm	hypo	CHH	-0.1918
Gm09	13979969	13980937	Gmdrm	hypo	CHH	-0.0834
Gm09	13987751	13988749	Gmdrm	hypo	CHH	-0.0394
Gm09	14036822	14036977	Gmdrm	hypo	CHH	-0.0914
Gm09	14038251	14038450	Gmdrm	hypo	CHH	-0.142
Gm09	14409121	14409674	Gmdrm	hypo	CHH	-0.0999
Gm09	14421210	14421697	Gmdrm	hypo	CHH	-0.0344

Gm09	14428697	14428948	Gmdrm	hypo	CHH	-0.1074
Gm09	14507819	14508358	Gmdrm	hypo	CHH	-0.0883
Gm09	14526702	14527187	Gmdrm	hypo	CHH	-0.0844
Gm09	14531829	14532820	Gmdrm	hypo	CHH	-0.0395
Gm09	14533849	14534841	Gmdrm	hypo	CHH	-0.0191
Gm09	14548388	14549370	Gmdrm	hypo	CHH	-0.0121
Gm09	14549702	14550701	Gmdrm	hypo	CHH	-0.0563
Gm09	14550706	14551699	Gmdrm	hypo	CHH	-0.0968
Gm09	14565056	14566033	Gmdrm	hypo	CHH	-0.0292
Gm09	14566057	14567048	Gmdrm	hypo	CHH	-0.0241
Gm09	14567060	14568046	Gmdrm	hypo	CHH	-0.0463
Gm09	14571294	14572276	Gmdrm	hypo	CHH	-0.0123
Gm09	14572295	14573294	Gmdrm	hypo	CHH	-0.075
Gm09	14573296	14574294	Gmdrm	hypo	CHH	-0.0608
Gm09	14574302	14575297	Gmdrm	hypo	CHH	-0.0382
Gm09	14575312	14576302	Gmdrm	hypo	CHH	-0.028
Gm09	14576313	14577277	Gmdrm	hypo	CHH	-0.02
Gm09	14617494	14618491	Gmdrm	hypo	CHH	-0.0976
Gm09	14618501	14619469	Gmdrm	hypo	CHH	-0.0481
Gm09	14779591	14779844	Gmdrm	hypo	CHH	-0.1164
Gm09	14920959	14921958	Gmdrm	hypo	CHH	-0.0409
Gm09	14921962	14922134	Gmdrm	hypo	CHH	-0.2093
Gm09	14927061	14928051	Gmdrm	hypo	CHH	-0.0511
Gm09	15029706	15030688	Gmdrm	hypo	CHH	-0.0636
Gm09	15037789	15038783	Gmdrm	hypo	CHH	-0.0314
Gm09	15038791	15039379	Gmdrm	hypo	CHH	-0.1337
Gm09	15085686	15086672	Gmdrm	hypo	CHH	-0.0186
Gm09	15158080	15159052	Gmdrm	hypo	CHH	-0.0231
Gm09	15285979	15286248	Gmdrm	hypo	CHH	-0.1454
Gm09	15369040	15369157	Gmdrm	hypo	CHH	-0.0638
Gm09	15370626	15371568	Gmdrm	hypo	CHH	-0.0516
Gm09	15416800	15417026	Gmdrm	hypo	CHH	-0.0436
Gm09	15419184	15420146	Gmdrm	hypo	CHH	-0.0221
Gm09	15420194	15421173	Gmdrm	hypo	CHH	-0.0195
Gm09	15421196	15422182	Gmdrm	hypo	CHH	-0.0316
Gm09	15422378	15423314	Gmdrm	hypo	CHH	-0.123
Gm09	15423478	15424477	Gmdrm	hypo	CHH	-0.1432
Gm09	15429519	15430516	Gmdrm	hypo	CHH	-0.1102
Gm09	15432442	15433438	Gmdrm	hypo	CHH	-0.0455
Gm09	15433451	15434429	Gmdrm	hypo	CHH	-0.1247
Gm09	15437413	15438368	Gmdrm	hypo	CHH	-0.0231
Gm09	15501115	15501613	Gmdrm	hypo	CHH	-0.0995
Gm09	15744183	15745164	Gmdrm	hypo	CHH	-0.0433
Gm09	15782917	15783914	Gmdrm	hypo	CHH	-0.0617
Gm09	15783938	15784931	Gmdrm	hypo	CHH	-0.0807
Gm09	15846492	15847473	Gmdrm	hypo	CHH	-0.019

Gm09	15847733	15848381	Gmdrm	hypo	CHH	-0.0767
Gm09	15939112	15940104	Gmdrm	hypo	CHH	-0.1196
Gm09	15940127	15941107	Gmdrm	hypo	CHH	-0.0942
Gm09	15944438	15945438	Gmdrm	hypo	CHH	-0.0492
Gm09	15986318	15986786	Gmdrm	hypo	CHH	-0.0835
Gm09	16257405	16258152	Gmdrm	hypo	CHH	-0.0566
Gm09	16260102	16260372	Gmdrm	hypo	CHH	-0.0293
Gm09	16280016	16281013	Gmdrm	hypo	CHH	-0.0263
Gm09	16281018	16282016	Gmdrm	hypo	CHH	-0.0322
Gm09	16286085	16286172	Gmdrm	hypo	CHH	-0.0775
Gm09	16286310	16287278	Gmdrm	hypo	CHH	-0.0292
Gm09	16291658	16292647	Gmdrm	hypo	CHH	-0.1417
Gm09	16382572	16382855	Gmdrm	hypo	CHH	-0.118
Gm09	16509964	16510959	Gmdrm	hypo	CHH	-0.063
Gm09	16624173	16625168	Gmdrm	hypo	CHH	-0.0404
Gm09	16670940	16671923	Gmdrm	hypo	CHH	-0.0758
Gm09	16672968	16673964	Gmdrm	hypo	CHH	-0.1614
Gm09	16678075	16679072	Gmdrm	hypo	CHH	-0.0387
Gm09	16679946	16680940	Gmdrm	hypo	CHH	-0.1997
Gm09	16686243	16687243	Gmdrm	hypo	CHH	-0.0197
Gm09	16799143	16800131	Gmdrm	hypo	CHH	-0.0206
Gm09	16801292	16802288	Gmdrm	hypo	CHH	-0.0934
Gm09	16876659	16876679	Gmdrm	hypo	CHH	-0.058
Gm09	16876806	16877789	Gmdrm	hypo	CHH	-0.0219
Gm09	16877808	16878653	Gmdrm	hypo	CHH	-0.0375
Gm09	16879207	16880204	Gmdrm	hypo	CHH	-0.0642
Gm09	17213899	17214098	Gmdrm	hypo	CHH	-0.0733
Gm09	17217828	17218802	Gmdrm	hypo	CHH	-0.0135
Gm09	17228949	17229438	Gmdrm	hypo	CHH	-0.0436
Gm09	17229971	17230570	Gmdrm	hypo	CHH	-0.044
Gm09	17230679	17230805	Gmdrm	hypo	CHH	-0.0362
Gm09	17376693	17377664	Gmdrm	hypo	CHH	-0.0222
Gm09	17378359	17378639	Gmdrm	hypo	CHH	-0.0447
Gm09	17416307	17417277	Gmdrm	hypo	CHH	-0.0557
Gm09	17418328	17419328	Gmdrm	hypo	CHH	-0.2027
Gm09	17419329	17419395	Gmdrm	hypo	CHH	-0.6446
Gm09	17423896	17424893	Gmdrm	hypo	CHH	-0.05
Gm09	17521147	17522141	Gmdrm	hypo	CHH	-0.087
Gm09	17529046	17530013	Gmdrm	hypo	CHH	-0.0158
Gm09	17530050	17531048	Gmdrm	hypo	CHH	-0.0451
Gm09	17531060	17531584	Gmdrm	hypo	CHH	-0.0815
Gm09	17545035	17545885	Gmdrm	hypo	CHH	-0.0234
Gm09	17584448	17584668	Gmdrm	hypo	CHH	-0.0286
Gm09	17587811	17588319	Gmdrm	hypo	CHH	-0.0756
Gm09	17590271	17590472	Gmdrm	hypo	CHH	-0.0425
Gm09	17590778	17591538	Gmdrm	hypo	CHH	-0.0293

Gm09	17624585	17625557	Gmdrm	hypo	CHH	-0.056
Gm09	17627015	17628011	Gmdrm	hypo	CHH	-0.0224
Gm09	17628020	17629012	Gmdrm	hypo	CHH	-0.0434
Gm09	17629021	17629901	Gmdrm	hypo	CHH	-0.0473
Gm09	17633385	17634195	Gmdrm	hypo	CHH	-0.0239
Gm09	17634336	17634845	Gmdrm	hypo	CHH	-0.0371
Gm09	17635878	17636565	Gmdrm	hypo	CHH	-0.0148
Gm09	17649566	17649938	Gmdrm	hypo	CHH	-0.0182
Gm09	17650082	17651076	Gmdrm	hypo	CHH	-0.0175
Gm09	17651083	17651881	Gmdrm	hypo	CHH	-0.0395
Gm09	17658399	17659178	Gmdrm	hypo	CHH	-0.0354
Gm09	17666356	17667336	Gmdrm	hypo	CHH	-0.0202
Gm09	17667380	17668367	Gmdrm	hypo	CHH	-0.0057
Gm09	17669398	17670397	Gmdrm	hypo	CHH	-0.006
Gm09	17670399	17671397	Gmdrm	hypo	CHH	-0.0089
Gm09	17671400	17672395	Gmdrm	hypo	CHH	-0.0113
Gm09	17672420	17673418	Gmdrm	hypo	CHH	-0.004
Gm09	17675434	17676433	Gmdrm	hypo	CHH	-0.0097
Gm09	17679890	17680890	Gmdrm	hypo	CHH	-0.0113
Gm09	17680893	17681892	Gmdrm	hypo	CHH	-0.0112
Gm09	17681895	17682895	Gmdrm	hypo	CHH	-0.0131
Gm09	17682899	17683899	Gmdrm	hypo	CHH	-0.0093
Gm09	17683900	17684895	Gmdrm	hypo	CHH	-0.0086
Gm09	17690101	17690437	Gmdrm	hypo	CHH	-0.0288
Gm09	17704261	17705258	Gmdrm	hypo	CHH	-0.0163
Gm09	17705264	17706203	Gmdrm	hypo	CHH	-0.0201
Gm09	17707510	17708001	Gmdrm	hypo	CHH	-0.025
Gm09	17709143	17710143	Gmdrm	hypo	CHH	-0.0219
Gm09	17710147	17711135	Gmdrm	hypo	CHH	-0.0273
Gm09	17711159	17711482	Gmdrm	hypo	CHH	-0.0269
Gm09	17713275	17713892	Gmdrm	hypo	CHH	-0.0307
Gm09	17983252	17984249	Gmdrm	hypo	CHH	-0.0165
Gm09	17988762	17989094	Gmdrm	hypo	CHH	-0.0522
Gm09	17989299	17990238	Gmdrm	hypo	CHH	-0.0414
Gm09	17992124	17993124	Gmdrm	hypo	CHH	-0.025
Gm09	17994659	17995605	Gmdrm	hypo	CHH	-0.0946
Gm09	18003039	18004032	Gmdrm	hypo	CHH	-0.0233
Gm09	18004041	18005014	Gmdrm	hypo	CHH	-0.0261
Gm09	18010424	18010620	Gmdrm	hypo	CHH	-0.105
Gm09	18022437	18023436	Gmdrm	hypo	CHH	-0.1095
Gm09	18023681	18024672	Gmdrm	hypo	CHH	-0.0971
Gm09	18024683	18025679	Gmdrm	hypo	CHH	-0.0176
Gm09	18025718	18026711	Gmdrm	hypo	CHH	-0.0242
Gm09	18048370	18049337	Gmdrm	hypo	CHH	-0.0658
Gm09	18051887	18052885	Gmdrm	hypo	CHH	-0.0538
Gm09	18052899	18053897	Gmdrm	hypo	CHH	-0.067

Gm09	18053903	18054898	Gmdrm	hypo	CHH	-0.0546
Gm09	18054907	18055895	Gmdrm	hypo	CHH	-0.0715
Gm09	18055919	18056652	Gmdrm	hypo	CHH	-0.0647
Gm09	18057019	18057984	Gmdrm	hypo	CHH	-0.1681
Gm09	18066766	18067764	Gmdrm	hypo	CHH	-0.0487
Gm09	18073945	18074938	Gmdrm	hypo	CHH	-0.0482
Gm09	18074963	18075951	Gmdrm	hypo	CHH	-0.0424
Gm09	18090609	18091600	Gmdrm	hypo	CHH	-0.0517
Gm09	18091629	18092623	Gmdrm	hypo	CHH	-0.0947
Gm09	18094682	18095680	Gmdrm	hypo	CHH	-0.0508
Gm09	18098713	18099688	Gmdrm	hypo	CHH	-0.0587
Gm09	18127577	18128577	Gmdrm	hypo	CHH	-0.0807
Gm09	18139425	18140421	Gmdrm	hypo	CHH	-0.035
Gm09	18140427	18141423	Gmdrm	hypo	CHH	-0.0268
Gm09	18143523	18144518	Gmdrm	hypo	CHH	-0.0356
Gm09	18146560	18146775	Gmdrm	hypo	CHH	-0.161
Gm09	18151238	18152238	Gmdrm	hypo	CHH	-0.0553
Gm09	18153248	18154210	Gmdrm	hypo	CHH	-0.0659
Gm09	18162304	18163256	Gmdrm	hypo	CHH	-0.021
Gm09	18183104	18184084	Gmdrm	hypo	CHH	-0.0165
Gm09	18197968	18198968	Gmdrm	hypo	CHH	-0.0232
Gm09	18198987	18199968	Gmdrm	hypo	CHH	-0.0272
Gm09	18205932	18206931	Gmdrm	hypo	CHH	-0.0372
Gm09	18213790	18214786	Gmdrm	hypo	CHH	-0.0292
Gm09	18239471	18240159	Gmdrm	hypo	CHH	-0.0598
Gm09	18244859	18245655	Gmdrm	hypo	CHH	-0.0233
Gm09	18277035	18277620	Gmdrm	hypo	CHH	-0.0861
Gm09	18298296	18299292	Gmdrm	hypo	CHH	-0.0205
Gm09	18338880	18339879	Gmdrm	hypo	CHH	-0.0611
Gm09	18427973	18428967	Gmdrm	hypo	CHH	-0.0492
Gm09	18444338	18445338	Gmdrm	hypo	CHH	-0.0326
Gm09	18449368	18450365	Gmdrm	hypo	CHH	-0.1047
Gm09	18452393	18453393	Gmdrm	hypo	CHH	-0.0361
Gm09	18453394	18454391	Gmdrm	hypo	CHH	-0.0285
Gm09	18465156	18466149	Gmdrm	hypo	CHH	-0.0387
Gm09	18479349	18479688	Gmdrm	hypo	CHH	-0.0968
Gm09	18482073	18483067	Gmdrm	hypo	CHH	-0.0235
Gm09	18485112	18485647	Gmdrm	hypo	CHH	-0.0186
Gm09	18635205	18636197	Gmdrm	hypo	CHH	-0.2071
Gm09	18636206	18636919	Gmdrm	hypo	CHH	-0.0873
Gm09	18639931	18640094	Gmdrm	hypo	CHH	-0.0625
Gm09	18641474	18642465	Gmdrm	hypo	CHH	-0.0261
Gm09	18653224	18654202	Gmdrm	hypo	CHH	-0.0299
Gm09	18675352	18676349	Gmdrm	hypo	CHH	-0.0779
Gm09	18684439	18685439	Gmdrm	hypo	CHH	-0.0702
Gm09	18689507	18689842	Gmdrm	hypo	CHH	-0.0848

Gm09	18693775	18694712	Gmdrm	hypo	CHH	-0.063
Gm09	18699819	18700293	Gmdrm	hypo	CHH	-0.0307
Gm09	18708079	18709072	Gmdrm	hypo	CHH	-0.0422
Gm09	18709087	18710081	Gmdrm	hypo	CHH	-0.0622
Gm09	18712851	18713846	Gmdrm	hypo	CHH	-0.02
Gm09	18750625	18751604	Gmdrm	hypo	CHH	-0.0295
Gm09	18752882	18753882	Gmdrm	hypo	CHH	-0.0215
Gm09	18753893	18754278	Gmdrm	hypo	CHH	-0.0294
Gm09	18765994	18766984	Gmdrm	hypo	CHH	-0.0322
Gm09	18767009	18767914	Gmdrm	hypo	CHH	-0.1858
Gm09	18771116	18772106	Gmdrm	hypo	CHH	-0.0612
Gm09	18791753	18792753	Gmdrm	hypo	CHH	-0.1164
Gm09	18792768	18793756	Gmdrm	hypo	CHH	-0.0356
Gm09	18800386	18801380	Gmdrm	hypo	CHH	-0.0297
Gm09	18816743	18817716	Gmdrm	hypo	CHH	-0.0507
Gm09	18835590	18836584	Gmdrm	hypo	CHH	-0.1543
Gm09	18836593	18837584	Gmdrm	hypo	CHH	-0.1204
Gm09	18844343	18845309	Gmdrm	hypo	CHH	-0.0128
Gm09	18875533	18876528	Gmdrm	hypo	CHH	-0.0488
Gm09	18878618	18879353	Gmdrm	hypo	CHH	-0.0431
Gm09	18879707	18880695	Gmdrm	hypo	CHH	-0.1045
Gm09	18897539	18898489	Gmdrm	hypo	CHH	-0.0511
Gm09	18898557	18899541	Gmdrm	hypo	CHH	-0.077
Gm09	18901295	18902290	Gmdrm	hypo	CHH	-0.0667
Gm09	18913069	18914068	Gmdrm	hypo	CHH	-0.0192
Gm09	18969863	18970836	Gmdrm	hypo	CHH	-0.021
Gm09	18970868	18971866	Gmdrm	hypo	CHH	-0.0258
Gm09	18971870	18972847	Gmdrm	hypo	CHH	-0.0319
Gm09	18972875	18973670	Gmdrm	hypo	CHH	-0.0326
Gm09	18973784	18974762	Gmdrm	hypo	CHH	-0.0234
Gm09	18974791	18975786	Gmdrm	hypo	CHH	-0.0398
Gm09	18975805	18976804	Gmdrm	hypo	CHH	-0.0589
Gm09	18976806	18977795	Gmdrm	hypo	CHH	-0.0373
Gm09	18977814	18978806	Gmdrm	hypo	CHH	-0.0395
Gm09	18979857	18980840	Gmdrm	hypo	CHH	-0.0422
Gm09	18980917	18981914	Gmdrm	hypo	CHH	-0.0274
Gm09	18981920	18982916	Gmdrm	hypo	CHH	-0.0292
Gm09	18982922	18983922	Gmdrm	hypo	CHH	-0.0269
Gm09	18983936	18984927	Gmdrm	hypo	CHH	-0.0241
Gm09	18989984	18990980	Gmdrm	hypo	CHH	-0.0397
Gm09	18990995	18991260	Gmdrm	hypo	CHH	-0.0768
Gm09	18994408	18995407	Gmdrm	hypo	CHH	-0.0606
Gm09	19026864	19026996	Gmdrm	hypo	CHH	-0.0944
Gm09	19027339	19028333	Gmdrm	hypo	CHH	-0.0498
Gm09	19068276	19069101	Gmdrm	hypo	CHH	-0.0287
Gm09	19072316	19073316	Gmdrm	hypo	CHH	-0.0477

Gm09	19088408	19089370	Gmdrm	hypo	CHH	-0.0656
Gm09	19089428	19089920	Gmdrm	hypo	CHH	-0.1626
Gm09	19108964	19109435	Gmdrm	hypo	CHH	-0.0583
Gm09	19110770	19110856	Gmdrm	hypo	CHH	-0.0483
Gm09	19121100	19122086	Gmdrm	hypo	CHH	-0.075
Gm09	19125712	19126703	Gmdrm	hypo	CHH	-0.0408
Gm09	19161455	19162444	Gmdrm	hypo	CHH	-0.1077
Gm09	19179278	19180274	Gmdrm	hypo	CHH	-0.0502
Gm09	19187543	19188229	Gmdrm	hypo	CHH	-0.0263
Gm09	19222995	19223770	Gmdrm	hypo	CHH	-0.0859
Gm09	19260032	19260116	Gmdrm	hypo	CHH	-0.12
Gm09	19268916	19269901	Gmdrm	hypo	CHH	-0.0534
Gm09	19335563	19336551	Gmdrm	hypo	CHH	-0.0102
Gm09	19348211	19349190	Gmdrm	hypo	CHH	-0.0433
Gm09	19420436	19421423	Gmdrm	hypo	CHH	-0.0335
Gm09	19421445	19422436	Gmdrm	hypo	CHH	-0.0307
Gm09	19422465	19423025	Gmdrm	hypo	CHH	-0.2506
Gm09	19430350	19431318	Gmdrm	hypo	CHH	-0.0168
Gm09	19431397	19432391	Gmdrm	hypo	CHH	-0.0162
Gm09	19437941	19438930	Gmdrm	hypo	CHH	-0.0165
Gm09	19447336	19448313	Gmdrm	hypo	CHH	-0.012
Gm09	19449390	19450389	Gmdrm	hypo	CHH	-0.0639
Gm09	19452424	19453423	Gmdrm	hypo	CHH	-0.1052
Gm09	19453426	19454263	Gmdrm	hypo	CHH	-0.301
Gm09	19454768	19455765	Gmdrm	hypo	CHH	-0.0351
Gm09	19458957	19459957	Gmdrm	hypo	CHH	-0.0332
Gm09	19469391	19470391	Gmdrm	hypo	CHH	-0.2261
Gm09	19480095	19481093	Gmdrm	hypo	CHH	-0.0579
Gm09	19483426	19484394	Gmdrm	hypo	CHH	-0.0168
Gm09	19484431	19485430	Gmdrm	hypo	CHH	-0.0777
Gm09	19485433	19486200	Gmdrm	hypo	CHH	-0.3
Gm09	19490020	19491014	Gmdrm	hypo	CHH	-0.0637
Gm09	19506512	19507493	Gmdrm	hypo	CHH	-0.0723
Gm09	19509557	19510552	Gmdrm	hypo	CHH	-0.0175
Gm09	19512164	19512314	Gmdrm	hypo	CHH	-0.152
Gm09	19514824	19515503	Gmdrm	hypo	CHH	-0.046
Gm09	19583505	19583974	Gmdrm	hypo	CHH	-0.0535
Gm09	19600594	19601594	Gmdrm	hypo	CHH	-0.0425
Gm09	19601598	19602593	Gmdrm	hypo	CHH	-0.0352
Gm09	19604460	19605454	Gmdrm	hypo	CHH	-0.098
Gm09	19606466	19607465	Gmdrm	hypo	CHH	-0.06
Gm09	19609520	19610515	Gmdrm	hypo	CHH	-0.0483
Gm09	19611244	19612244	Gmdrm	hypo	CHH	-0.0555
Gm09	19615261	19615660	Gmdrm	hypo	CHH	-0.1156
Gm09	19615799	19616781	Gmdrm	hypo	CHH	-0.1255
Gm09	19616811	19617806	Gmdrm	hypo	CHH	-0.0395

Gm09	19617976	19618975	Gmdrm	hypo	CHH	-0.0454
Gm09	19618980	19619769	Gmdrm	hypo	CHH	-0.2089
Gm09	19655126	19655828	Gmdrm	hypo	CHH	-0.0257
Gm09	19707446	19708441	Gmdrm	hypo	CHH	-0.0241
Gm09	19735547	19735696	Gmdrm	hypo	CHH	-0.04
Gm09	19736871	19737858	Gmdrm	hypo	CHH	-0.0219
Gm09	19795847	19796846	Gmdrm	hypo	CHH	-0.0216
Gm09	19796850	19797688	Gmdrm	hypo	CHH	-0.0359
Gm09	19798145	19799140	Gmdrm	hypo	CHH	-0.0208
Gm09	19852420	19853405	Gmdrm	hypo	CHH	-0.0166
Gm09	19911011	19911622	Gmdrm	hypo	CHH	-0.025
Gm09	19928175	19929116	Gmdrm	hypo	CHH	-0.0467
Gm09	19956121	19956543	Gmdrm	hypo	CHH	-0.0764
Gm09	19958897	19959879	Gmdrm	hypo	CHH	-0.0269
Gm09	19959963	19960230	Gmdrm	hypo	CHH	-0.035
Gm09	20015773	20016387	Gmdrm	hypo	CHH	-0.0228
Gm09	20032764	20033111	Gmdrm	hypo	CHH	-0.1066
Gm09	20047627	20048620	Gmdrm	hypo	CHH	-0.0405
Gm09	20219778	20220753	Gmdrm	hypo	CHH	-0.0726
Gm09	20267838	20268652	Gmdrm	hypo	CHH	-0.0451
Gm09	20311070	20311532	Gmdrm	hypo	CHH	-0.0777
Gm09	20320208	20320654	Gmdrm	hypo	CHH	-0.05
Gm09	20328059	20329059	Gmdrm	hypo	CHH	-0.0462
Gm09	20369658	20370658	Gmdrm	hypo	CHH	-0.0195
Gm09	20382776	20383185	Gmdrm	hypo	CHH	-0.0766
Gm09	20425747	20426747	Gmdrm	hypo	CHH	-0.0484
Gm09	20426748	20427475	Gmdrm	hypo	CHH	-0.0587
Gm09	20527247	20528246	Gmdrm	hypo	CHH	-0.0249
Gm09	20545203	20546194	Gmdrm	hypo	CHH	-0.0254
Gm09	20578867	20579800	Gmdrm	hypo	CHH	-0.0437
Gm09	20581004	20581993	Gmdrm	hypo	CHH	-0.018
Gm09	20582018	20583007	Gmdrm	hypo	CHH	-0.3754
Gm09	20584022	20585016	Gmdrm	hypo	CHH	-0.0327
Gm09	20609387	20610384	Gmdrm	hypo	CHH	-0.0208
Gm09	20619412	20620410	Gmdrm	hypo	CHH	-0.2386
Gm09	20620414	20621388	Gmdrm	hypo	CHH	-0.1918
Gm09	20621470	20622470	Gmdrm	hypo	CHH	-0.0107
Gm09	20642571	20643566	Gmdrm	hypo	CHH	-0.0342
Gm09	20643648	20644647	Gmdrm	hypo	CHH	-0.0221
Gm09	20648450	20649440	Gmdrm	hypo	CHH	-0.0339
Gm09	20649451	20650433	Gmdrm	hypo	CHH	-0.076
Gm09	20653048	20654032	Gmdrm	hypo	CHH	-0.0557
Gm09	20663964	20664592	Gmdrm	hypo	CHH	-0.0436
Gm09	20682097	20683094	Gmdrm	hypo	CHH	-0.0385
Gm09	20696155	20697151	Gmdrm	hypo	CHH	-0.0224
Gm09	20713574	20714561	Gmdrm	hypo	CHH	-0.0232

Gm09	20714814	20715809	Gmdrm	hypo	CHH	-0.031
Gm09	20716830	20717826	Gmdrm	hypo	CHH	-0.0646
Gm09	20729083	20730078	Gmdrm	hypo	CHH	-0.0299
Gm09	20768779	20768892	Gmdrm	hypo	CHH	-0.208
Gm09	20808966	20809953	Gmdrm	hypo	CHH	-0.0494
Gm09	20828221	20828811	Gmdrm	hypo	CHH	-0.1385
Gm09	20829918	20830402	Gmdrm	hypo	CHH	-0.0242
Gm09	20852340	20852871	Gmdrm	hypo	CHH	-0.0259
Gm09	20853512	20854508	Gmdrm	hypo	CHH	-0.0283
Gm09	20856609	20857603	Gmdrm	hypo	CHH	-0.0352
Gm09	20858592	20858889	Gmdrm	hypo	CHH	-0.0479
Gm09	20938240	20938451	Gmdrm	hypo	CHH	-0.0573
Gm09	20941607	20942604	Gmdrm	hypo	CHH	-0.0509
Gm09	21005284	21006246	Gmdrm	hypo	CHH	-0.0723
Gm09	21010473	21010909	Gmdrm	hypo	CHH	-0.0305
Gm09	21026791	21027000	Gmdrm	hypo	CHH	-0.06
Gm09	21068248	21069241	Gmdrm	hypo	CHH	-0.0188
Gm09	21071448	21072427	Gmdrm	hypo	CHH	-0.0361
Gm09	21078240	21079214	Gmdrm	hypo	CHH	-0.0197
Gm09	21082812	21083795	Gmdrm	hypo	CHH	-0.04
Gm09	21108655	21109653	Gmdrm	hypo	CHH	-0.047
Gm09	21123313	21124300	Gmdrm	hypo	CHH	-0.049
Gm09	21128232	21129230	Gmdrm	hypo	CHH	-0.1895
Gm09	21129233	21130223	Gmdrm	hypo	CHH	-0.2738
Gm09	21130235	21131209	Gmdrm	hypo	CHH	-0.0151
Gm09	21133296	21134292	Gmdrm	hypo	CHH	-0.0344
Gm09	21134298	21135298	Gmdrm	hypo	CHH	-0.1239
Gm09	21135418	21136411	Gmdrm	hypo	CHH	-0.0307
Gm09	21140101	21141093	Gmdrm	hypo	CHH	-0.0436
Gm09	21167450	21168442	Gmdrm	hypo	CHH	-0.0206
Gm09	21168460	21169415	Gmdrm	hypo	CHH	-0.0757
Gm09	21169470	21170469	Gmdrm	hypo	CHH	-0.0444
Gm09	21173509	21174491	Gmdrm	hypo	CHH	-0.3498
Gm09	21179246	21180229	Gmdrm	hypo	CHH	-0.0286
Gm09	21180252	21181243	Gmdrm	hypo	CHH	-0.0256
Gm09	21181254	21182180	Gmdrm	hypo	CHH	-0.0166
Gm09	21182264	21183256	Gmdrm	hypo	CHH	-0.025
Gm09	21188317	21189310	Gmdrm	hypo	CHH	-0.0221
Gm09	21190345	21191343	Gmdrm	hypo	CHH	-0.05
Gm09	21199188	21200184	Gmdrm	hypo	CHH	-0.1027
Gm09	21200196	21201194	Gmdrm	hypo	CHH	-0.0623
Gm09	21210058	21211042	Gmdrm	hypo	CHH	-0.0109
Gm09	21224577	21225575	Gmdrm	hypo	CHH	-0.0172
Gm09	21225585	21226573	Gmdrm	hypo	CHH	-0.0263
Gm09	21227149	21228147	Gmdrm	hypo	CHH	-0.0907
Gm09	21228163	21229163	Gmdrm	hypo	CHH	-0.0857

Gm09	21235887	21236244	Gmdrm	hypo	CHH	-0.0177
Gm09	21239941	21240936	Gmdrm	hypo	CHH	-0.0175
Gm09	21241973	21242389	Gmdrm	hypo	CHH	-0.0221
Gm09	21242846	21243807	Gmdrm	hypo	CHH	-0.1062
Gm09	21250500	21251496	Gmdrm	hypo	CHH	-0.041
Gm09	21251506	21252504	Gmdrm	hypo	CHH	-0.0461
Gm09	21252509	21253504	Gmdrm	hypo	CHH	-0.0592
Gm09	21264062	21265034	Gmdrm	hypo	CHH	-0.0868
Gm09	21275625	21276121	Gmdrm	hypo	CHH	-0.062
Gm09	21279727	21280331	Gmdrm	hypo	CHH	-0.0203
Gm09	21311748	21312726	Gmdrm	hypo	CHH	-0.0905
Gm09	21386799	21387327	Gmdrm	hypo	CHH	-0.0815
Gm09	21410233	21411228	Gmdrm	hypo	CHH	-0.0438
Gm09	21416257	21417256	Gmdrm	hypo	CHH	-0.0955
Gm09	21418958	21419955	Gmdrm	hypo	CHH	-0.1419
Gm09	21424036	21424526	Gmdrm	hypo	CHH	-0.0412
Gm09	21446200	21447190	Gmdrm	hypo	CHH	-0.1022
Gm09	21507912	21508886	Gmdrm	hypo	CHH	-0.0254
Gm09	21509579	21510577	Gmdrm	hypo	CHH	-0.0454
Gm09	21514108	21515100	Gmdrm	hypo	CHH	-0.0423
Gm09	21515110	21515842	Gmdrm	hypo	CHH	-0.0271
Gm09	21516342	21516442	Gmdrm	hypo	CHH	-0.0728
Gm09	21516905	21517845	Gmdrm	hypo	CHH	-0.0501
Gm09	21525100	21525964	Gmdrm	hypo	CHH	-0.0218
Gm09	21530118	21531096	Gmdrm	hypo	CHH	-0.0162
Gm09	21533149	21534128	Gmdrm	hypo	CHH	-0.057
Gm09	21539186	21540185	Gmdrm	hypo	CHH	-0.0378
Gm09	21557486	21558471	Gmdrm	hypo	CHH	-0.0495
Gm09	21566552	21567115	Gmdrm	hypo	CHH	-0.0255
Gm09	21567466	21568459	Gmdrm	hypo	CHH	-0.0173
Gm09	21580259	21580294	Gmdrm	hypo	CHH	-0.1909
Gm09	21627474	21628461	Gmdrm	hypo	CHH	-0.066
Gm09	21682926	21683912	Gmdrm	hypo	CHH	-0.0471
Gm09	21684936	21685884	Gmdrm	hypo	CHH	-0.0621
Gm09	21705149	21706106	Gmdrm	hypo	CHH	-0.0146
Gm09	21707170	21708118	Gmdrm	hypo	CHH	-0.0173
Gm09	21708196	21708785	Gmdrm	hypo	CHH	-0.0521
Gm09	21711026	21711970	Gmdrm	hypo	CHH	-0.0134
Gm09	21712030	21713020	Gmdrm	hypo	CHH	-0.0124
Gm09	21713032	21714032	Gmdrm	hypo	CHH	-0.0192
Gm09	21714045	21715041	Gmdrm	hypo	CHH	-0.0198
Gm09	21716806	21717803	Gmdrm	hypo	CHH	-0.0263
Gm09	21719824	21720824	Gmdrm	hypo	CHH	-0.042
Gm09	21722548	21722601	Gmdrm	hypo	CHH	-0.05
Gm09	21722706	21723682	Gmdrm	hypo	CHH	-0.1465
Gm09	21781061	21782040	Gmdrm	hypo	CHH	-0.0576

Gm09	21787956	21788100	Gmdrm	hypo	CHH	-0.1646
Gm09	21996268	21996547	Gmdrm	hypo	CHH	-0.1073
Gm09	22200733	22200839	Gmdrm	hypo	CHH	-0.0747
Gm09	22202317	22203309	Gmdrm	hypo	CHH	-0.0183
Gm09	22203638	22204616	Gmdrm	hypo	CHH	-0.0259
Gm09	22406739	22407720	Gmdrm	hypo	CHH	-0.0328
Gm09	22531111	22531459	Gmdrm	hypo	CHH	-0.0391
Gm09	22532916	22533886	Gmdrm	hypo	CHH	-0.0311
Gm09	22534138	22535121	Gmdrm	hypo	CHH	-0.0203
Gm09	22535139	22536133	Gmdrm	hypo	CHH	-0.1642
Gm09	22536140	22537100	Gmdrm	hypo	CHH	-0.1021
Gm09	22539662	22540659	Gmdrm	hypo	CHH	-0.0798
Gm09	22540663	22541621	Gmdrm	hypo	CHH	-0.1908
Gm09	23035367	23036054	Gmdrm	hypo	CHH	-0.0959
Gm09	23071086	23071221	Gmdrm	hypo	CHH	-0.16
Gm09	23136273	23136323	Gmdrm	hypo	CHH	-0.1783
Gm09	23324117	23324156	Gmdrm	hypo	CHH	-0.24
Gm09	23341361	23341447	Gmdrm	hypo	CHH	-0.1211
Gm09	23427535	23428535	Gmdrm	hypo	CHH	-0.0294
Gm09	23428542	23429268	Gmdrm	hypo	CHH	-0.0187
Gm09	25464247	25465220	Gmdrm	hypo	CHH	-0.0411
Gm09	25479258	25479677	Gmdrm	hypo	CHH	-0.032
Gm09	25480575	25480728	Gmdrm	hypo	CHH	-0.04
Gm09	25496951	25497925	Gmdrm	hypo	CHH	-0.0593
Gm09	25502010	25503003	Gmdrm	hypo	CHH	-0.0122
Gm09	25503636	25504632	Gmdrm	hypo	CHH	-0.0214
Gm09	25542322	25543124	Gmdrm	hypo	CHH	-0.0382
Gm09	25543546	25544545	Gmdrm	hypo	CHH	-0.0146
Gm09	25545241	25546220	Gmdrm	hypo	CHH	-0.0267
Gm09	25555847	25556196	Gmdrm	hypo	CHH	-0.0483
Gm09	25588339	25588993	Gmdrm	hypo	CHH	-0.0909
Gm09	25615177	25616174	Gmdrm	hypo	CHH	-0.0325
Gm09	25616178	25617124	Gmdrm	hypo	CHH	-0.0649
Gm09	25617511	25618491	Gmdrm	hypo	CHH	-0.1405
Gm09	25628757	25629637	Gmdrm	hypo	CHH	-0.0255
Gm09	25629791	25630541	Gmdrm	hypo	CHH	-0.0584
Gm09	25631878	25632229	Gmdrm	hypo	CHH	-0.0457
Gm09	25645934	25646710	Gmdrm	hypo	CHH	-0.0619
Gm09	25646820	25647815	Gmdrm	hypo	CHH	-0.0506
Gm09	25647822	25648805	Gmdrm	hypo	CHH	-0.037
Gm09	25652011	25652998	Gmdrm	hypo	CHH	-0.0225
Gm09	25663108	25664085	Gmdrm	hypo	CHH	-0.047
Gm09	25666382	25667381	Gmdrm	hypo	CHH	-0.0187
Gm09	25681245	25682201	Gmdrm	hypo	CHH	-0.0379
Gm09	25682274	25683221	Gmdrm	hypo	CHH	-0.0435
Gm09	25721998	25722352	Gmdrm	hypo	CHH	-0.0247

Gm09	25754460	25755446	Gmdrm	hypo	CHH	-0.0166
Gm09	25757500	25758496	Gmdrm	hypo	CHH	-0.0156
Gm09	25758511	25759489	Gmdrm	hypo	CHH	-0.0172
Gm09	25769016	25770013	Gmdrm	hypo	CHH	-0.0609
Gm09	25925647	25926647	Gmdrm	hypo	CHH	-0.0176
Gm09	25931221	25932211	Gmdrm	hypo	CHH	-0.0805
Gm09	25932231	25933222	Gmdrm	hypo	CHH	-0.0886
Gm09	25933233	25933634	Gmdrm	hypo	CHH	-0.3485
Gm09	25934692	25935683	Gmdrm	hypo	CHH	-0.2822
Gm09	25937127	25938126	Gmdrm	hypo	CHH	-0.1148
Gm09	26051406	26052402	Gmdrm	hypo	CHH	-0.0414
Gm09	26053441	26054441	Gmdrm	hypo	CHH	-0.0379
Gm09	26057531	26058502	Gmdrm	hypo	CHH	-0.0315
Gm09	26065831	26066830	Gmdrm	hypo	CHH	-0.11
Gm09	26073040	26074014	Gmdrm	hypo	CHH	-0.0303
Gm09	26077082	26077915	Gmdrm	hypo	CHH	-0.0204
Gm09	26105875	26106875	Gmdrm	hypo	CHH	-0.0415
Gm09	26109185	26109252	Gmdrm	hypo	CHH	-0.126
Gm09	26110365	26111363	Gmdrm	hypo	CHH	-0.0723
Gm09	26111368	26112347	Gmdrm	hypo	CHH	-0.0224
Gm09	26168263	26169263	Gmdrm	hypo	CHH	-0.1133
Gm09	26169265	26170256	Gmdrm	hypo	CHH	-0.0757
Gm09	26546643	26547481	Gmdrm	hypo	CHH	-0.0622
Gm09	27548911	27549021	Gmdrm	hypo	CHH	-0.0886
Gm09	27572291	27573273	Gmdrm	hypo	CHH	-0.0862
Gm09	27755320	27755351	Gmdrm	hypo	CHH	-0.1417
Gm09	27831123	27832119	Gmdrm	hypo	CHH	-0.0114
Gm09	27834610	27835609	Gmdrm	hypo	CHH	-0.0224
Gm09	27905656	27906282	Gmdrm	hypo	CHH	-0.0542
Gm09	27912875	27913864	Gmdrm	hypo	CHH	-0.0377
Gm09	27924179	27925165	Gmdrm	hypo	CHH	-0.0391
Gm09	27927121	27928102	Gmdrm	hypo	CHH	-0.0319
Gm09	27928127	27929122	Gmdrm	hypo	CHH	-0.0823
Gm09	27929140	27930050	Gmdrm	hypo	CHH	-0.0378
Gm09	27931940	27932913	Gmdrm	hypo	CHH	-0.0283
Gm09	27940477	27940640	Gmdrm	hypo	CHH	-0.1111
Gm09	27941796	27942786	Gmdrm	hypo	CHH	-0.0651
Gm09	27958909	27959903	Gmdrm	hypo	CHH	-0.074
Gm09	27959910	27960569	Gmdrm	hypo	CHH	-0.156
Gm09	27968065	27969058	Gmdrm	hypo	CHH	-0.0656
Gm09	28046397	28047237	Gmdrm	hypo	CHH	-0.0528
Gm09	28147152	28148148	Gmdrm	hypo	CHH	-0.0166
Gm09	28148160	28148640	Gmdrm	hypo	CHH	-0.0353
Gm09	28148750	28149709	Gmdrm	hypo	CHH	-0.1152
Gm09	28224245	28224603	Gmdrm	hypo	CHH	-0.1437
Gm09	28225456	28225831	Gmdrm	hypo	CHH	-0.0477

Gm09	28225952	28226394	Gmdrm	hypo	CHH	-0.0517
Gm09	28226612	28227608	Gmdrm	hypo	CHH	-0.1083
Gm09	28241656	28242610	Gmdrm	hypo	CHH	-0.0475
Gm09	28242661	28243660	Gmdrm	hypo	CHH	-0.0162
Gm09	28292867	28293850	Gmdrm	hypo	CHH	-0.0328
Gm09	28480139	28481117	Gmdrm	hypo	CHH	-0.0211
Gm09	28485081	28486080	Gmdrm	hypo	CHH	-0.0339
Gm09	28503891	28504379	Gmdrm	hypo	CHH	-0.0491
Gm09	28509180	28510179	Gmdrm	hypo	CHH	-0.192
Gm09	28510181	28511176	Gmdrm	hypo	CHH	-0.0548
Gm09	28561104	28562067	Gmdrm	hypo	CHH	-0.0402
Gm09	28746670	28747625	Gmdrm	hypo	CHH	-0.0226
Gm09	28813524	28814500	Gmdrm	hypo	CHH	-0.0403
Gm09	28864534	28865529	Gmdrm	hypo	CHH	-0.0609
Gm09	28865535	28866532	Gmdrm	hypo	CHH	-0.0683
Gm09	28991776	28992750	Gmdrm	hypo	CHH	-0.0359
Gm09	29097889	29098889	Gmdrm	hypo	CHH	-0.0406
Gm09	29113104	29114104	Gmdrm	hypo	CHH	-0.0265
Gm09	29114110	29115099	Gmdrm	hypo	CHH	-0.0936
Gm09	29122207	29123206	Gmdrm	hypo	CHH	-0.0696
Gm09	29141731	29142426	Gmdrm	hypo	CHH	-0.1495
Gm09	29143069	29143945	Gmdrm	hypo	CHH	-0.1135
Gm09	29147890	29148854	Gmdrm	hypo	CHH	-0.0204
Gm09	29148891	29149888	Gmdrm	hypo	CHH	-0.0207
Gm09	29149892	29150852	Gmdrm	hypo	CHH	-0.0335
Gm09	29150895	29151885	Gmdrm	hypo	CHH	-0.0535
Gm09	29153259	29154255	Gmdrm	hypo	CHH	-0.0188
Gm09	29154271	29155264	Gmdrm	hypo	CHH	-0.0329
Gm09	29155276	29156276	Gmdrm	hypo	CHH	-0.037
Gm09	29220337	29221329	Gmdrm	hypo	CHH	-0.0168
Gm09	29227310	29227667	Gmdrm	hypo	CHH	-0.03
Gm09	29240886	29241884	Gmdrm	hypo	CHH	-0.0395
Gm09	29241889	29242875	Gmdrm	hypo	CHH	-0.0464
Gm09	29257110	29258081	Gmdrm	hypo	CHH	-0.1092
Gm09	29260699	29261662	Gmdrm	hypo	CHH	-0.0653
Gm09	29264332	29265299	Gmdrm	hypo	CHH	-0.0385
Gm09	29267460	29268420	Gmdrm	hypo	CHH	-0.0704
Gm09	29268482	29269479	Gmdrm	hypo	CHH	-0.0446
Gm09	29269497	29270497	Gmdrm	hypo	CHH	-0.1018
Gm09	29270499	29271496	Gmdrm	hypo	CHH	-0.0404
Gm09	29272543	29273541	Gmdrm	hypo	CHH	-0.1065
Gm09	29273550	29274144	Gmdrm	hypo	CHH	-0.0454
Gm09	29275892	29276874	Gmdrm	hypo	CHH	-0.0174
Gm09	29276921	29277910	Gmdrm	hypo	CHH	-0.015
Gm09	29278926	29279923	Gmdrm	hypo	CHH	-0.033
Gm09	29292711	29293330	Gmdrm	hypo	CHH	-0.0462

Gm09	29293513	29294513	Gmdrm	hypo	CHH	-0.0719
Gm09	29297834	29298817	Gmdrm	hypo	CHH	-0.1728
Gm09	29298849	29299713	Gmdrm	hypo	CHH	-0.1796
Gm09	29304781	29305778	Gmdrm	hypo	CHH	-0.0129
Gm09	29323584	29324501	Gmdrm	hypo	CHH	-0.0563
Gm09	29328589	29329585	Gmdrm	hypo	CHH	-0.1002
Gm09	29329605	29330582	Gmdrm	hypo	CHH	-0.1664
Gm09	29360680	29361675	Gmdrm	hypo	CHH	-0.0243
Gm09	29364050	29365040	Gmdrm	hypo	CHH	-0.0297
Gm09	29369648	29370256	Gmdrm	hypo	CHH	-0.02
Gm09	29370372	29370965	Gmdrm	hypo	CHH	-0.0224
Gm09	29437440	29438440	Gmdrm	hypo	CHH	-0.0943
Gm09	29438442	29438965	Gmdrm	hypo	CHH	-0.1359
Gm09	29439102	29440099	Gmdrm	hypo	CHH	-0.047
Gm09	29448392	29449370	Gmdrm	hypo	CHH	-0.1395
Gm09	29449400	29449573	Gmdrm	hypo	CHH	-0.3506
Gm09	29450730	29451730	Gmdrm	hypo	CHH	-0.0704
Gm09	29451738	29452059	Gmdrm	hypo	CHH	-0.066
Gm09	29456407	29457401	Gmdrm	hypo	CHH	-0.0532
Gm09	29459468	29460414	Gmdrm	hypo	CHH	-0.0664
Gm09	29471705	29472692	Gmdrm	hypo	CHH	-0.0166
Gm09	29472717	29473717	Gmdrm	hypo	CHH	-0.0246
Gm09	29473741	29474739	Gmdrm	hypo	CHH	-0.0211
Gm09	29475545	29476544	Gmdrm	hypo	CHH	-0.0243
Gm09	29484734	29485732	Gmdrm	hypo	CHH	-0.1255
Gm09	29508547	29509537	Gmdrm	hypo	CHH	-0.0858
Gm09	29511639	29512625	Gmdrm	hypo	CHH	-0.0316
Gm09	29512649	29513561	Gmdrm	hypo	CHH	-0.0275
Gm09	29513661	29514622	Gmdrm	hypo	CHH	-0.0152
Gm09	29519055	29520054	Gmdrm	hypo	CHH	-0.0891
Gm09	29520064	29521064	Gmdrm	hypo	CHH	-0.0702
Gm09	29521067	29522067	Gmdrm	hypo	CHH	-0.043
Gm09	29551820	29552388	Gmdrm	hypo	CHH	-0.0395
Gm09	29562098	29563095	Gmdrm	hypo	CHH	-0.0339
Gm09	29563099	29563669	Gmdrm	hypo	CHH	-0.0801
Gm09	29564337	29564364	Gmdrm	hypo	CHH	-0.1533
Gm09	29566765	29567745	Gmdrm	hypo	CHH	-0.0221
Gm09	29571209	29572203	Gmdrm	hypo	CHH	-0.0432
Gm09	29572226	29573219	Gmdrm	hypo	CHH	-0.0244
Gm09	29577460	29578018	Gmdrm	hypo	CHH	-0.0477
Gm09	29578166	29579155	Gmdrm	hypo	CHH	-0.0375
Gm09	29579186	29580168	Gmdrm	hypo	CHH	-0.0674
Gm09	29584712	29585677	Gmdrm	hypo	CHH	-0.1635
Gm09	29669803	29670366	Gmdrm	hypo	CHH	-0.0367
Gm09	29671470	29672456	Gmdrm	hypo	CHH	-0.053
Gm09	29684551	29685549	Gmdrm	hypo	CHH	-0.0354

Gm09	29685552	29686546	Gmdrm	hypo	CHH	-0.116
Gm09	29800858	29801857	Gmdrm	hypo	CHH	-0.0297
Gm09	29860444	29861430	Gmdrm	hypo	CHH	-0.11
Gm09	29873244	29874220	Gmdrm	hypo	CHH	-0.0157
Gm09	29875251	29876244	Gmdrm	hypo	CHH	-0.0599
Gm09	29876253	29876643	Gmdrm	hypo	CHH	-0.0577
Gm09	29950874	29951799	Gmdrm	hypo	CHH	-0.015
Gm09	29983351	29984342	Gmdrm	hypo	CHH	-0.02
Gm09	29984963	29985944	Gmdrm	hypo	CHH	-0.0317
Gm09	30008768	30009560	Gmdrm	hypo	CHH	-0.1044
Gm09	30042154	30043126	Gmdrm	hypo	CHH	-0.0164
Gm09	30043854	30044848	Gmdrm	hypo	CHH	-0.0434
Gm09	30076721	30077695	Gmdrm	hypo	CHH	-0.0266
Gm09	30077738	30078736	Gmdrm	hypo	CHH	-0.0224
Gm09	30087420	30088417	Gmdrm	hypo	CHH	-0.0274
Gm09	30093110	30094099	Gmdrm	hypo	CHH	-0.0189
Gm09	30124419	30125419	Gmdrm	hypo	CHH	-0.027
Gm09	30145800	30146798	Gmdrm	hypo	CHH	-0.0291
Gm09	30150822	30151788	Gmdrm	hypo	CHH	-0.1046
Gm09	30169631	30170628	Gmdrm	hypo	CHH	-0.0315
Gm09	30170641	30171634	Gmdrm	hypo	CHH	-0.0408
Gm09	30201051	30202007	Gmdrm	hypo	CHH	-0.0383
Gm09	30202075	30202361	Gmdrm	hypo	CHH	-0.265
Gm09	30233280	30234263	Gmdrm	hypo	CHH	-0.0338
Gm09	30235332	30236331	Gmdrm	hypo	CHH	-0.0408
Gm09	30247483	30248470	Gmdrm	hypo	CHH	-0.0293
Gm09	30337157	30338140	Gmdrm	hypo	CHH	-0.013
Gm09	30339165	30340161	Gmdrm	hypo	CHH	-0.024
Gm09	30343076	30344072	Gmdrm	hypo	CHH	-0.0316
Gm09	30346946	30347403	Gmdrm	hypo	CHH	-0.0731
Gm09	30357057	30358057	Gmdrm	hypo	CHH	-0.0358
Gm09	30376660	30377630	Gmdrm	hypo	CHH	-0.0419
Gm09	30397000	30397998	Gmdrm	hypo	CHH	-0.0131
Gm09	30408730	30409091	Gmdrm	hypo	CHH	-0.0445
Gm09	30412635	30413463	Gmdrm	hypo	CHH	-0.0591
Gm09	30420965	30421964	Gmdrm	hypo	CHH	-0.0688
Gm09	30423367	30424366	Gmdrm	hypo	CHH	-0.1679
Gm09	30424368	30425311	Gmdrm	hypo	CHH	-0.1532
Gm09	30426510	30427484	Gmdrm	hypo	CHH	-0.0187
Gm09	30758448	30759443	Gmdrm	hypo	CHH	-0.0492
Gm09	30769502	30770482	Gmdrm	hypo	CHH	-0.019
Gm09	30822370	30822922	Gmdrm	hypo	CHH	-0.0202
Gm09	30829407	30830382	Gmdrm	hypo	CHH	-0.0213
Gm09	30840842	30841841	Gmdrm	hypo	CHH	-0.0129
Gm09	30864890	30865270	Gmdrm	hypo	CHH	-0.1293
Gm09	30872546	30873538	Gmdrm	hypo	CHH	-0.0177

Gm09	30911796	30912796	Gmdrm	hypo	CHH	-0.0208
Gm09	30912806	30913804	Gmdrm	hypo	CHH	-0.0307
Gm09	30913841	30914734	Gmdrm	hypo	CHH	-0.0572
Gm09	30916891	30917881	Gmdrm	hypo	CHH	-0.163
Gm09	30931548	30932523	Gmdrm	hypo	CHH	-0.0605
Gm09	30972256	30973226	Gmdrm	hypo	CHH	-0.0197
Gm09	31105993	31106952	Gmdrm	hypo	CHH	-0.0339
Gm09	31108306	31109305	Gmdrm	hypo	CHH	-0.0267
Gm09	31225494	31226486	Gmdrm	hypo	CHH	-0.0456
Gm09	31226496	31227455	Gmdrm	hypo	CHH	-0.0884
Gm09	31227527	31228524	Gmdrm	hypo	CHH	-0.0333
Gm09	31229580	31230418	Gmdrm	hypo	CHH	-0.019
Gm09	31275538	31275634	Gmdrm	hypo	CHH	-0.22
Gm09	31315071	31316046	Gmdrm	hypo	CHH	-0.0619
Gm09	31317474	31318472	Gmdrm	hypo	CHH	-0.0422
Gm09	31367528	31368522	Gmdrm	hypo	CHH	-0.0143
Gm09	31373601	31374589	Gmdrm	hypo	CHH	-0.0529
Gm09	31601302	31601688	Gmdrm	hypo	CHH	-0.1084
Gm09	31714645	31715357	Gmdrm	hypo	CHH	-0.0398
Gm09	31757284	31758271	Gmdrm	hypo	CHH	-0.1159
Gm09	31759563	31760561	Gmdrm	hypo	CHH	-0.0593
Gm09	31760565	31761563	Gmdrm	hypo	CHH	-0.1372
Gm09	31761571	31762570	Gmdrm	hypo	CHH	-0.1788
Gm09	31762574	31763573	Gmdrm	hypo	CHH	-0.1304
Gm09	31787352	31787967	Gmdrm	hypo	CHH	-0.1034
Gm09	31788084	31789081	Gmdrm	hypo	CHH	-0.0251
Gm09	31943087	31943905	Gmdrm	hypo	CHH	-0.0245
Gm09	31946051	31946506	Gmdrm	hypo	CHH	-0.0515
Gm09	31957615	31958610	Gmdrm	hypo	CHH	-0.0585
Gm09	31964891	31965889	Gmdrm	hypo	CHH	-0.0552
Gm09	32007016	32007580	Gmdrm	hypo	CHH	-0.0241
Gm09	32010771	32011752	Gmdrm	hypo	CHH	-0.0115
Gm09	32016097	32016789	Gmdrm	hypo	CHH	-0.0141
Gm09	32024449	32025446	Gmdrm	hypo	CHH	-0.0174
Gm09	32025475	32026449	Gmdrm	hypo	CHH	-0.053
Gm09	32032221	32033221	Gmdrm	hypo	CHH	-0.0294
Gm09	32034236	32035223	Gmdrm	hypo	CHH	-0.0598
Gm09	32045006	32045991	Gmdrm	hypo	CHH	-0.0105
Gm09	32046011	32046977	Gmdrm	hypo	CHH	-0.0296
Gm09	32061534	32062532	Gmdrm	hypo	CHH	-0.0755
Gm09	32067186	32067714	Gmdrm	hypo	CHH	-0.0268
Gm09	32069741	32070735	Gmdrm	hypo	CHH	-0.0291
Gm09	32070744	32071731	Gmdrm	hypo	CHH	-0.0307
Gm09	32071753	32072743	Gmdrm	hypo	CHH	-0.026
Gm09	32073773	32074750	Gmdrm	hypo	CHH	-0.014
Gm09	32082886	32083650	Gmdrm	hypo	CHH	-0.0155

Gm09	32091298	32092289	Gmdrm	hypo	CHH	-0.0752
Gm09	32096335	32096714	Gmdrm	hypo	CHH	-0.0748
Gm09	32097397	32098389	Gmdrm	hypo	CHH	-0.0784
Gm09	32148376	32149342	Gmdrm	hypo	CHH	-0.0643
Gm09	32159481	32160471	Gmdrm	hypo	CHH	-0.0885
Gm09	32167387	32168380	Gmdrm	hypo	CHH	-0.0205
Gm09	32168391	32169071	Gmdrm	hypo	CHH	-0.0487
Gm09	32169252	32170235	Gmdrm	hypo	CHH	-0.0537
Gm09	32188135	32189127	Gmdrm	hypo	CHH	-0.0453
Gm09	32189139	32190115	Gmdrm	hypo	CHH	-0.0426
Gm09	32192108	32193107	Gmdrm	hypo	CHH	-0.0558
Gm09	32197123	32198121	Gmdrm	hypo	CHH	-0.012
Gm09	32205991	32206987	Gmdrm	hypo	CHH	-0.0192
Gm09	32211034	32211712	Gmdrm	hypo	CHH	-0.0248
Gm09	32212829	32213823	Gmdrm	hypo	CHH	-0.0336
Gm09	32213837	32214792	Gmdrm	hypo	CHH	-0.0354
Gm09	32222219	32223198	Gmdrm	hypo	CHH	-0.0562
Gm09	32224877	32225877	Gmdrm	hypo	CHH	-0.0543
Gm09	32232938	32233936	Gmdrm	hypo	CHH	-0.0432
Gm09	32278107	32278238	Gmdrm	hypo	CHH	-0.1813
Gm09	32355676	32356653	Gmdrm	hypo	CHH	-0.0252
Gm09	32357697	32358687	Gmdrm	hypo	CHH	-0.0243
Gm09	32358698	32359542	Gmdrm	hypo	CHH	-0.0664
Gm09	32395265	32396249	Gmdrm	hypo	CHH	-0.0153
Gm09	32462491	32463490	Gmdrm	hypo	CHH	-0.0321
Gm09	32567375	32568374	Gmdrm	hypo	CHH	-0.0235
Gm09	32568379	32569016	Gmdrm	hypo	CHH	-0.0864
Gm09	32598195	32599167	Gmdrm	hypo	CHH	-0.0325
Gm09	32641949	32642943	Gmdrm	hypo	CHH	-0.0575
Gm09	32742149	32743139	Gmdrm	hypo	CHH	-0.0441
Gm09	32872367	32873366	Gmdrm	hypo	CHH	-0.0491
Gm09	32878671	32879667	Gmdrm	hypo	CHH	-0.024
Gm09	32881032	32881930	Gmdrm	hypo	CHH	-0.0176
Gm09	32883052	32884038	Gmdrm	hypo	CHH	-0.0563
Gm09	32893036	32893605	Gmdrm	hypo	CHH	-0.0637
Gm09	32894742	32895737	Gmdrm	hypo	CHH	-0.0737
Gm09	32954494	32955490	Gmdrm	hypo	CHH	-0.0505
Gm09	32964567	32965561	Gmdrm	hypo	CHH	-0.028
Gm09	32965570	32966558	Gmdrm	hypo	CHH	-0.0232
Gm09	32975899	32976879	Gmdrm	hypo	CHH	-0.0211
Gm09	32977278	32977568	Gmdrm	hypo	CHH	-0.0962
Gm09	32984843	32984924	Gmdrm	hypo	CHH	-0.222
Gm09	32996372	32997372	Gmdrm	hypo	CHH	-0.0705
Gm09	32997382	32998378	Gmdrm	hypo	CHH	-0.0414
Gm09	32998401	32999377	Gmdrm	hypo	CHH	-0.0496
Gm09	33000675	33001605	Gmdrm	hypo	CHH	-0.0151

Gm09	33079036	33079277	Gmdrm	hypo	CHH	-0.0744
Gm09	33079706	33080565	Gmdrm	hypo	CHH	-0.0563
Gm09	33087175	33088175	Gmdrm	hypo	CHH	-0.0238
Gm09	33096315	33097259	Gmdrm	hypo	CHH	-0.05
Gm09	33102843	33103841	Gmdrm	hypo	CHH	-0.0164
Gm09	33249940	33250919	Gmdrm	hypo	CHH	-0.0228
Gm09	33250941	33251929	Gmdrm	hypo	CHH	-0.0443
Gm09	33252945	33253938	Gmdrm	hypo	CHH	-0.1356
Gm09	33255020	33256002	Gmdrm	hypo	CHH	-0.0912
Gm09	33256032	33257028	Gmdrm	hypo	CHH	-0.0566
Gm09	33257151	33258125	Gmdrm	hypo	CHH	-0.0288
Gm09	33259536	33259775	Gmdrm	hypo	CHH	-0.04
Gm09	33264849	33265691	Gmdrm	hypo	CHH	-0.0555
Gm09	33283053	33283985	Gmdrm	hypo	CHH	-0.021
Gm09	33285146	33286144	Gmdrm	hypo	CHH	-0.0878
Gm09	33306058	33306999	Gmdrm	hypo	CHH	-0.0316
Gm09	33308091	33308935	Gmdrm	hypo	CHH	-0.0221
Gm09	33309911	33310901	Gmdrm	hypo	CHH	-0.0224
Gm09	33310926	33311915	Gmdrm	hypo	CHH	-0.0254
Gm09	33325283	33326279	Gmdrm	hypo	CHH	-0.0432
Gm09	33332564	33333271	Gmdrm	hypo	CHH	-0.0328
Gm09	33354127	33355110	Gmdrm	hypo	CHH	-0.0497
Gm09	33357166	33357890	Gmdrm	hypo	CHH	-0.0187
Gm09	33365330	33366327	Gmdrm	hypo	CHH	-0.1224
Gm09	33366339	33367304	Gmdrm	hypo	CHH	-0.2022
Gm09	33374266	33374544	Gmdrm	hypo	CHH	-0.0728
Gm09	33374654	33375645	Gmdrm	hypo	CHH	-0.0561
Gm09	33390275	33391272	Gmdrm	hypo	CHH	-0.0575
Gm09	33391294	33392084	Gmdrm	hypo	CHH	-0.0604
Gm09	33392413	33393411	Gmdrm	hypo	CHH	-0.0574
Gm09	33393858	33394835	Gmdrm	hypo	CHH	-0.0823
Gm09	33420756	33421244	Gmdrm	hypo	CHH	-0.0803
Gm09	33444127	33445126	Gmdrm	hypo	CHH	-0.0703
Gm09	33532381	33533373	Gmdrm	hypo	CHH	-0.0322
Gm09	33537853	33538830	Gmdrm	hypo	CHH	-0.0227
Gm09	33539026	33540017	Gmdrm	hypo	CHH	-0.1471
Gm09	33548504	33549501	Gmdrm	hypo	CHH	-0.0222
Gm09	33580488	33581470	Gmdrm	hypo	CHH	-0.024
Gm09	33582500	33582995	Gmdrm	hypo	CHH	-0.1327
Gm09	33583322	33584209	Gmdrm	hypo	CHH	-0.0632
Gm09	33598303	33599295	Gmdrm	hypo	CHH	-0.0224
Gm09	33599306	33600095	Gmdrm	hypo	CHH	-0.0261
Gm09	33602510	33602683	Gmdrm	hypo	CHH	-0.062
Gm09	33603919	33604869	Gmdrm	hypo	CHH	-0.0849
Gm09	33605944	33606940	Gmdrm	hypo	CHH	-0.0379
Gm09	33613557	33614547	Gmdrm	hypo	CHH	-0.0257

Gm09	33626355	33626905	Gmdrm	hypo	CHH	-0.0626
Gm09	33636732	33637730	Gmdrm	hypo	CHH	-0.0411
Gm09	33639618	33640617	Gmdrm	hypo	CHH	-0.129
Gm09	33663624	33664141	Gmdrm	hypo	CHH	-0.014
Gm09	33675669	33676622	Gmdrm	hypo	CHH	-0.0183
Gm09	33681479	33682374	Gmdrm	hypo	CHH	-0.0173
Gm09	33687121	33688110	Gmdrm	hypo	CHH	-0.0553
Gm09	33692143	33693131	Gmdrm	hypo	CHH	-0.0289
Gm09	33693149	33694149	Gmdrm	hypo	CHH	-0.0893
Gm09	33703196	33703707	Gmdrm	hypo	CHH	-0.1926
Gm09	33710427	33711427	Gmdrm	hypo	CHH	-0.1138
Gm09	33711437	33712435	Gmdrm	hypo	CHH	-0.0608
Gm09	33713489	33714460	Gmdrm	hypo	CHH	-0.0788
Gm09	33716506	33717501	Gmdrm	hypo	CHH	-0.0433
Gm09	33718695	33719291	Gmdrm	hypo	CHH	-0.1135
Gm09	33719968	33720963	Gmdrm	hypo	CHH	-0.1471
Gm09	33721151	33722140	Gmdrm	hypo	CHH	-0.0255
Gm09	33761606	33762333	Gmdrm	hypo	CHH	-0.0231
Gm09	33763687	33764178	Gmdrm	hypo	CHH	-0.0243
Gm09	33766247	33767236	Gmdrm	hypo	CHH	-0.1357
Gm09	33770271	33771256	Gmdrm	hypo	CHH	-0.0799
Gm09	33822623	33823623	Gmdrm	hypo	CHH	-0.0418
Gm09	33823629	33824230	Gmdrm	hypo	CHH	-0.0568
Gm09	33824398	33824419	Gmdrm	hypo	CHH	-0.026
Gm09	33824562	33825539	Gmdrm	hypo	CHH	-0.0174
Gm09	33835189	33836183	Gmdrm	hypo	CHH	-0.0373
Gm09	33887899	33888690	Gmdrm	hypo	CHH	-0.0652
Gm09	33893868	33894858	Gmdrm	hypo	CHH	-0.0535
Gm09	33898414	33899411	Gmdrm	hypo	CHH	-0.0166
Gm09	33901348	33902347	Gmdrm	hypo	CHH	-0.0309
Gm09	33913567	33914565	Gmdrm	hypo	CHH	-0.0378
Gm09	33951898	33952889	Gmdrm	hypo	CHH	-0.0278
Gm09	33959913	33960908	Gmdrm	hypo	CHH	-0.0624
Gm09	33960919	33961910	Gmdrm	hypo	CHH	-0.1261
Gm09	33964976	33965861	Gmdrm	hypo	CHH	-0.0298
Gm09	33972012	33972972	Gmdrm	hypo	CHH	-0.025
Gm09	33983955	33984944	Gmdrm	hypo	CHH	-0.0565
Gm09	33985975	33986973	Gmdrm	hypo	CHH	-0.2504
Gm09	33988987	33989972	Gmdrm	hypo	CHH	-0.0157
Gm09	33989994	33990991	Gmdrm	hypo	CHH	-0.0479
Gm09	33991006	33992000	Gmdrm	hypo	CHH	-0.1308
Gm09	33995968	33996951	Gmdrm	hypo	CHH	-0.0122
Gm09	34001844	34002837	Gmdrm	hypo	CHH	-0.0914
Gm09	34009135	34009786	Gmdrm	hypo	CHH	-0.025
Gm09	34009991	34010665	Gmdrm	hypo	CHH	-0.0312
Gm09	34012712	34013711	Gmdrm	hypo	CHH	-0.0379

Gm09	34058373	34059349	Gmdrm	hypo	CHH	-0.0914
Gm09	34070819	34071804	Gmdrm	hypo	CHH	-0.0199
Gm09	34078600	34079597	Gmdrm	hypo	CHH	-0.0244
Gm09	34126979	34127936	Gmdrm	hypo	CHH	-0.0425
Gm09	34128521	34129471	Gmdrm	hypo	CHH	-0.0456
Gm09	34130219	34131209	Gmdrm	hypo	CHH	-0.121
Gm09	34131223	34132147	Gmdrm	hypo	CHH	-0.2104
Gm09	34133910	34134895	Gmdrm	hypo	CHH	-0.0206
Gm09	34191525	34192524	Gmdrm	hypo	CHH	-0.0584
Gm09	34192529	34193527	Gmdrm	hypo	CHH	-0.073
Gm09	34194537	34195532	Gmdrm	hypo	CHH	-0.0301
Gm09	34202405	34203382	Gmdrm	hypo	CHH	-0.0507
Gm09	34215113	34216101	Gmdrm	hypo	CHH	-0.036
Gm09	34252390	34253356	Gmdrm	hypo	CHH	-0.021
Gm09	34253668	34254667	Gmdrm	hypo	CHH	-0.0566
Gm09	34259707	34259827	Gmdrm	hypo	CHH	-0.0289
Gm09	34259931	34260624	Gmdrm	hypo	CHH	-0.075
Gm09	34264027	34265027	Gmdrm	hypo	CHH	-0.0718
Gm09	34276298	34277270	Gmdrm	hypo	CHH	-0.0619
Gm09	34281439	34282010	Gmdrm	hypo	CHH	-0.0302
Gm09	34287227	34288227	Gmdrm	hypo	CHH	-0.0781
Gm09	34292885	34293879	Gmdrm	hypo	CHH	-0.0164
Gm09	34322577	34323080	Gmdrm	hypo	CHH	-0.0214
Gm09	34325175	34326159	Gmdrm	hypo	CHH	-0.023
Gm09	34362234	34363222	Gmdrm	hypo	CHH	-0.1017
Gm09	34363235	34363392	Gmdrm	hypo	CHH	-0.2111
Gm09	34365376	34365934	Gmdrm	hypo	CHH	-0.0593
Gm09	34374134	34375107	Gmdrm	hypo	CHH	-0.0424
Gm09	34375135	34376130	Gmdrm	hypo	CHH	-0.0228
Gm09	34381244	34382221	Gmdrm	hypo	CHH	-0.028
Gm09	34384329	34385328	Gmdrm	hypo	CHH	-0.3351
Gm09	34385337	34386334	Gmdrm	hypo	CHH	-0.1013
Gm09	34392362	34393357	Gmdrm	hypo	CHH	-0.0386
Gm09	34400478	34401465	Gmdrm	hypo	CHH	-0.0568
Gm09	34401499	34402487	Gmdrm	hypo	CHH	-0.0231
Gm09	34419505	34420406	Gmdrm	hypo	CHH	-0.0224
Gm09	34422238	34422370	Gmdrm	hypo	CHH	-0.0958
Gm09	34434544	34435536	Gmdrm	hypo	CHH	-0.0534
Gm09	34436249	34437235	Gmdrm	hypo	CHH	-0.0381
Gm09	34439851	34440827	Gmdrm	hypo	CHH	-0.0554
Gm09	34440884	34441882	Gmdrm	hypo	CHH	-0.0233
Gm09	34445491	34445762	Gmdrm	hypo	CHH	-0.0361
Gm09	34448968	34449655	Gmdrm	hypo	CHH	-0.0434
Gm09	34449939	34450895	Gmdrm	hypo	CHH	-0.0263
Gm09	34452592	34453486	Gmdrm	hypo	CHH	-0.0387
Gm09	34472915	34473896	Gmdrm	hypo	CHH	-0.0451

Gm09	34476050	34476990	Gmdrm	hypo	CHH	-0.0207
Gm09	34477538	34478534	Gmdrm	hypo	CHH	-0.1043
Gm09	34478539	34479538	Gmdrm	hypo	CHH	-0.1118
Gm09	34480566	34480727	Gmdrm	hypo	CHH	-0.0471
Gm09	34485228	34486224	Gmdrm	hypo	CHH	-0.0464
Gm09	34486253	34487243	Gmdrm	hypo	CHH	-0.0251
Gm09	34487255	34488255	Gmdrm	hypo	CHH	-0.0739
Gm09	34488578	34489569	Gmdrm	hypo	CHH	-0.1304
Gm09	34499291	34500235	Gmdrm	hypo	CHH	-0.1727
Gm09	34525073	34526071	Gmdrm	hypo	CHH	-0.0126
Gm09	34532035	34533034	Gmdrm	hypo	CHH	-0.0192
Gm09	34533050	34534037	Gmdrm	hypo	CHH	-0.0185
Gm09	34550398	34551387	Gmdrm	hypo	CHH	-0.0226
Gm09	34556342	34557277	Gmdrm	hypo	CHH	-0.064
Gm09	34564370	34564724	Gmdrm	hypo	CHH	-0.0742
Gm09	34566465	34567434	Gmdrm	hypo	CHH	-0.0405
Gm09	34582555	34583538	Gmdrm	hypo	CHH	-0.1313
Gm09	34588658	34589658	Gmdrm	hypo	CHH	-0.0333
Gm09	34590879	34591858	Gmdrm	hypo	CHH	-0.0204
Gm09	34591898	34592570	Gmdrm	hypo	CHH	-0.018
Gm09	34593684	34594684	Gmdrm	hypo	CHH	-0.0706
Gm09	34594716	34595031	Gmdrm	hypo	CHH	-0.068
Gm09	34595139	34596131	Gmdrm	hypo	CHH	-0.0527
Gm09	34596140	34597125	Gmdrm	hypo	CHH	-0.0501
Gm09	34597142	34598139	Gmdrm	hypo	CHH	-0.042
Gm09	34598146	34599133	Gmdrm	hypo	CHH	-0.0375
Gm09	34599164	34600142	Gmdrm	hypo	CHH	-0.0515
Gm09	34600168	34601168	Gmdrm	hypo	CHH	-0.0335
Gm09	34601170	34602169	Gmdrm	hypo	CHH	-0.06
Gm09	34608387	34608737	Gmdrm	hypo	CHH	-0.0377
Gm09	34613661	34614660	Gmdrm	hypo	CHH	-0.0291
Gm09	34614669	34615666	Gmdrm	hypo	CHH	-0.0338
Gm09	34617515	34618510	Gmdrm	hypo	CHH	-0.0289
Gm09	34625898	34626886	Gmdrm	hypo	CHH	-0.0217
Gm09	34648883	34649876	Gmdrm	hypo	CHH	-0.0357
Gm09	34652654	34653543	Gmdrm	hypo	CHH	-0.0321
Gm09	34655373	34655572	Gmdrm	hypo	CHH	-0.0508
Gm09	34655681	34656479	Gmdrm	hypo	CHH	-0.0735
Gm09	34661695	34662690	Gmdrm	hypo	CHH	-0.0277
Gm09	34662699	34663394	Gmdrm	hypo	CHH	-0.0297
Gm09	34678845	34679076	Gmdrm	hypo	CHH	-0.1397
Gm09	34688597	34689065	Gmdrm	hypo	CHH	-0.0173
Gm09	34690638	34691603	Gmdrm	hypo	CHH	-0.0208
Gm09	34694059	34695058	Gmdrm	hypo	CHH	-0.0145
Gm09	34696338	34697324	Gmdrm	hypo	CHH	-0.0272
Gm09	34707016	34708007	Gmdrm	hypo	CHH	-0.0767

Gm09	34710188	34711183	Gmdrm	hypo	CHH	-0.0106
Gm09	34712264	34713256	Gmdrm	hypo	CHH	-0.0122
Gm09	34713376	34714369	Gmdrm	hypo	CHH	-0.0545
Gm09	34718182	34718938	Gmdrm	hypo	CHH	-0.023
Gm09	34722090	34722262	Gmdrm	hypo	CHH	-0.0777
Gm09	34725960	34726945	Gmdrm	hypo	CHH	-0.068
Gm09	34748085	34749079	Gmdrm	hypo	CHH	-0.0373
Gm09	34751389	34752117	Gmdrm	hypo	CHH	-0.0275
Gm09	34778010	34779004	Gmdrm	hypo	CHH	-0.0144
Gm09	34784595	34785595	Gmdrm	hypo	CHH	-0.0181
Gm09	34792298	34793162	Gmdrm	hypo	CHH	-0.024
Gm09	34802396	34802995	Gmdrm	hypo	CHH	-0.1043
Gm09	34803096	34804090	Gmdrm	hypo	CHH	-0.1528
Gm09	34804115	34805100	Gmdrm	hypo	CHH	-0.081
Gm09	34805116	34806113	Gmdrm	hypo	CHH	-0.0527
Gm09	34863153	34864152	Gmdrm	hypo	CHH	-0.0384
Gm09	34864160	34865156	Gmdrm	hypo	CHH	-0.0506
Gm09	34865173	34866162	Gmdrm	hypo	CHH	-0.0798
Gm09	34868457	34869449	Gmdrm	hypo	CHH	-0.0684
Gm09	34874510	34875484	Gmdrm	hypo	CHH	-0.1461
Gm09	34886234	34887231	Gmdrm	hypo	CHH	-0.1533
Gm09	34887235	34887420	Gmdrm	hypo	CHH	-0.1113
Gm09	34892305	34892371	Gmdrm	hypo	CHH	-0.0717
Gm09	34909127	34910121	Gmdrm	hypo	CHH	-0.0787
Gm09	34915738	34916738	Gmdrm	hypo	CHH	-0.0469
Gm09	34985967	34986098	Gmdrm	hypo	CHH	-0.1145
Gm09	35007890	35008878	Gmdrm	hypo	CHH	-0.114
Gm09	35053502	35054496	Gmdrm	hypo	CHH	-0.0257
Gm09	35163667	35164645	Gmdrm	hypo	CHH	-0.0292
Gm09	35166040	35166844	Gmdrm	hypo	CHH	-0.031
Gm09	35170604	35171593	Gmdrm	hypo	CHH	-0.0197
Gm09	35196983	35197969	Gmdrm	hypo	CHH	-0.0324
Gm09	35202078	35203077	Gmdrm	hypo	CHH	-0.0393
Gm09	35203093	35204091	Gmdrm	hypo	CHH	-0.0296
Gm09	35234730	35235714	Gmdrm	hypo	CHH	-0.0383
Gm09	35243974	35244969	Gmdrm	hypo	CHH	-0.0482
Gm09	35246029	35246813	Gmdrm	hypo	CHH	-0.073
Gm09	35264546	35265183	Gmdrm	hypo	CHH	-0.05
Gm09	35274480	35275480	Gmdrm	hypo	CHH	-0.0486
Gm09	35292434	35293429	Gmdrm	hypo	CHH	-0.0227
Gm09	35306863	35307854	Gmdrm	hypo	CHH	-0.0376
Gm09	35315102	35316102	Gmdrm	hypo	CHH	-0.0127
Gm09	35317115	35317702	Gmdrm	hypo	CHH	-0.0431
Gm09	35321402	35322395	Gmdrm	hypo	CHH	-0.0849
Gm09	35327461	35328457	Gmdrm	hypo	CHH	-0.0241
Gm09	35340380	35341376	Gmdrm	hypo	CHH	-0.0513

Gm09	35341383	35342167	Gmdrm	hypo	CHH	-0.0599
Gm09	35343836	35344823	Gmdrm	hypo	CHH	-0.0482
Gm09	35347233	35348233	Gmdrm	hypo	CHH	-0.045
Gm09	35357534	35358517	Gmdrm	hypo	CHH	-0.1481
Gm09	35362905	35363903	Gmdrm	hypo	CHH	-0.0327
Gm09	35364912	35365892	Gmdrm	hypo	CHH	-0.0474
Gm09	35486127	35487126	Gmdrm	hypo	CHH	-0.0319
Gm09	35546042	35546325	Gmdrm	hypo	CHH	-0.0604
Gm09	35547689	35548689	Gmdrm	hypo	CHH	-0.206
Gm09	35551709	35552707	Gmdrm	hypo	CHH	-0.0987
Gm09	35552717	35553674	Gmdrm	hypo	CHH	-0.0741
Gm09	35553719	35554411	Gmdrm	hypo	CHH	-0.0159
Gm09	35566099	35567098	Gmdrm	hypo	CHH	-0.0444
Gm09	35567105	35568063	Gmdrm	hypo	CHH	-0.0962
Gm09	35570317	35571299	Gmdrm	hypo	CHH	-0.0216
Gm09	35574071	35575047	Gmdrm	hypo	CHH	-0.0126
Gm09	35589799	35589981	Gmdrm	hypo	CHH	-0.04
Gm09	35592641	35593638	Gmdrm	hypo	CHH	-0.0432
Gm09	35604315	35605295	Gmdrm	hypo	CHH	-0.0345
Gm09	35619474	35620469	Gmdrm	hypo	CHH	-0.0228
Gm09	35630111	35631107	Gmdrm	hypo	CHH	-0.0165
Gm09	35643669	35644666	Gmdrm	hypo	CHH	-0.0181
Gm09	35644673	35645670	Gmdrm	hypo	CHH	-0.041
Gm09	35693518	35693555	Gmdrm	hypo	CHH	-0.102
Gm09	35694920	35695825	Gmdrm	hypo	CHH	-0.0186
Gm09	35697409	35697992	Gmdrm	hypo	CHH	-0.0218
Gm09	35709444	35710442	Gmdrm	hypo	CHH	-0.0379
Gm09	35710457	35711452	Gmdrm	hypo	CHH	-0.0183
Gm09	35712148	35712790	Gmdrm	hypo	CHH	-0.0275
Gm09	35713920	35714920	Gmdrm	hypo	CHH	-0.0489
Gm09	35721958	35722720	Gmdrm	hypo	CHH	-0.0375
Gm09	35725322	35725457	Gmdrm	hypo	CHH	-0.065
Gm09	35727195	35728180	Gmdrm	hypo	CHH	-0.0711
Gm09	35757321	35757935	Gmdrm	hypo	CHH	-0.0542
Gm09	35774304	35775294	Gmdrm	hypo	CHH	-0.02
Gm09	35793246	35794245	Gmdrm	hypo	CHH	-0.0293
Gm09	35794252	35795234	Gmdrm	hypo	CHH	-0.0151
Gm09	35835922	35836615	Gmdrm	hypo	CHH	-0.0733
Gm09	35852817	35853811	Gmdrm	hypo	CHH	-0.2747
Gm09	35853824	35853916	Gmdrm	hypo	CHH	-0.074
Gm09	35856318	35856561	Gmdrm	hypo	CHH	-0.0315
Gm09	35857383	35858347	Gmdrm	hypo	CHH	-0.0388
Gm09	35877842	35877962	Gmdrm	hypo	CHH	-0.03
Gm09	35880091	35881074	Gmdrm	hypo	CHH	-0.0207
Gm09	35889249	35890245	Gmdrm	hypo	CHH	-0.0297
Gm09	35890253	35891243	Gmdrm	hypo	CHH	-0.0548

Gm09	35955901	35956877	Gmdrm	hypo	CHH	-0.0238
Gm09	36023299	36023658	Gmdrm	hypo	CHH	-0.0413
Gm09	36060607	36061598	Gmdrm	hypo	CHH	-0.051
Gm09	36183087	36183896	Gmdrm	hypo	CHH	-0.0343
Gm09	36184410	36185011	Gmdrm	hypo	CHH	-0.0251
Gm09	36214351	36215345	Gmdrm	hypo	CHH	-0.0629
Gm09	36222437	36223430	Gmdrm	hypo	CHH	-0.0551
Gm09	36270806	36271799	Gmdrm	hypo	CHH	-0.0722
Gm09	36271821	36272778	Gmdrm	hypo	CHH	-0.0572
Gm09	36272828	36273452	Gmdrm	hypo	CHH	-0.029
Gm09	36273625	36274317	Gmdrm	hypo	CHH	-0.1841
Gm09	36275508	36276376	Gmdrm	hypo	CHH	-0.0398
Gm09	36281611	36282604	Gmdrm	hypo	CHH	-0.1082
Gm09	36282621	36283607	Gmdrm	hypo	CHH	-0.0381
Gm09	36339724	36340716	Gmdrm	hypo	CHH	-0.0242
Gm09	36355450	36355925	Gmdrm	hypo	CHH	-0.0245
Gm09	36356110	36357072	Gmdrm	hypo	CHH	-0.0209
Gm09	36357119	36358119	Gmdrm	hypo	CHH	-0.0433
Gm09	36397671	36398668	Gmdrm	hypo	CHH	-0.0524
Gm09	36400640	36401638	Gmdrm	hypo	CHH	-0.0267
Gm09	36401659	36402658	Gmdrm	hypo	CHH	-0.0467
Gm09	36403696	36404695	Gmdrm	hypo	CHH	-0.0099
Gm09	36404703	36405703	Gmdrm	hypo	CHH	-0.0212
Gm09	36405705	36406506	Gmdrm	hypo	CHH	-0.0466
Gm09	36413665	36414359	Gmdrm	hypo	CHH	-0.0249
Gm09	36422055	36423036	Gmdrm	hypo	CHH	-0.0445
Gm09	36435869	36436869	Gmdrm	hypo	CHH	-0.0786
Gm09	36444549	36445534	Gmdrm	hypo	CHH	-0.0403
Gm09	36497123	36497425	Gmdrm	hypo	CHH	-0.0869
Gm09	36503732	36504728	Gmdrm	hypo	CHH	-0.1008
Gm09	36539348	36540326	Gmdrm	hypo	CHH	-0.0205
Gm09	36541410	36542410	Gmdrm	hypo	CHH	-0.0182
Gm09	36566549	36567529	Gmdrm	hypo	CHH	-0.0146
Gm09	36598596	36599596	Gmdrm	hypo	CHH	-0.0132
Gm09	36629892	36630885	Gmdrm	hypo	CHH	-0.0464
Gm09	36632877	36633876	Gmdrm	hypo	CHH	-0.0227
Gm09	36640203	36641098	Gmdrm	hypo	CHH	-0.1882
Gm09	36641358	36642341	Gmdrm	hypo	CHH	-0.0143
Gm09	36647040	36648033	Gmdrm	hypo	CHH	-0.031
Gm09	36648077	36649067	Gmdrm	hypo	CHH	-0.0817
Gm09	36649096	36650063	Gmdrm	hypo	CHH	-0.1722
Gm09	36657182	36657531	Gmdrm	hypo	CHH	-0.058
Gm09	36659403	36660365	Gmdrm	hypo	CHH	-0.1297
Gm09	36668708	36669708	Gmdrm	hypo	CHH	-0.0115
Gm09	36681621	36682616	Gmdrm	hypo	CHH	-0.047
Gm09	36682622	36683622	Gmdrm	hypo	CHH	-0.0462

Gm09	36683626	36684626	Gmdrm	hypo	CHH	-0.0296
Gm09	36684633	36685628	Gmdrm	hypo	CHH	-0.0561
Gm09	36688314	36689291	Gmdrm	hypo	CHH	-0.0543
Gm09	36699678	36700677	Gmdrm	hypo	CHH	-0.0819
Gm09	36702721	36703703	Gmdrm	hypo	CHH	-0.0277
Gm09	36727087	36728070	Gmdrm	hypo	CHH	-0.1421
Gm09	36728120	36729119	Gmdrm	hypo	CHH	-0.0351
Gm09	36732971	36733906	Gmdrm	hypo	CHH	-0.0186
Gm09	36783982	36784932	Gmdrm	hypo	CHH	-0.0516
Gm09	36791337	36791449	Gmdrm	hypo	CHH	-0.1033
Gm09	36824733	36825724	Gmdrm	hypo	CHH	-0.0147
Gm09	36908883	36909867	Gmdrm	hypo	CHH	-0.0406
Gm09	36909899	36910598	Gmdrm	hypo	CHH	-0.0696
Gm09	36911771	36912754	Gmdrm	hypo	CHH	-0.1479
Gm09	36912776	36913125	Gmdrm	hypo	CHH	-0.0445
Gm09	36929241	36930207	Gmdrm	hypo	CHH	-0.0656
Gm09	36939713	36940710	Gmdrm	hypo	CHH	-0.0262
Gm09	36945619	36946580	Gmdrm	hypo	CHH	-0.0399
Gm09	36946633	36947632	Gmdrm	hypo	CHH	-0.1251
Gm09	36947636	36948060	Gmdrm	hypo	CHH	-0.1145
Gm09	36968846	36969832	Gmdrm	hypo	CHH	-0.0271
Gm09	36969847	36970527	Gmdrm	hypo	CHH	-0.0498
Gm09	36970895	36971879	Gmdrm	hypo	CHH	-0.0434
Gm09	36972074	36973072	Gmdrm	hypo	CHH	-0.0289
Gm09	37059880	37060852	Gmdrm	hypo	CHH	-0.217
Gm09	37069421	37070405	Gmdrm	hypo	CHH	-0.0589
Gm09	37071431	37072337	Gmdrm	hypo	CHH	-0.1104
Gm09	37096592	37097592	Gmdrm	hypo	CHH	-0.0315
Gm09	37097593	37098585	Gmdrm	hypo	CHH	-0.0579
Gm09	37100647	37101409	Gmdrm	hypo	CHH	-0.0167
Gm09	37105594	37106582	Gmdrm	hypo	CHH	-0.0158
Gm09	37107758	37108756	Gmdrm	hypo	CHH	-0.033
Gm09	37122546	37123544	Gmdrm	hypo	CHH	-0.3529
Gm09	37145512	37146501	Gmdrm	hypo	CHH	-0.0436
Gm09	37154141	37155141	Gmdrm	hypo	CHH	-0.0131
Gm09	37211765	37212753	Gmdrm	hypo	CHH	-0.047
Gm09	37212772	37213754	Gmdrm	hypo	CHH	-0.0161
Gm09	37214790	37215504	Gmdrm	hypo	CHH	-0.065
Gm09	37215629	37216622	Gmdrm	hypo	CHH	-0.023
Gm09	37216638	37217591	Gmdrm	hypo	CHH	-0.0455
Gm09	37217646	37218616	Gmdrm	hypo	CHH	-0.0158
Gm09	37240594	37241590	Gmdrm	hypo	CHH	-0.1042
Gm09	37246594	37247468	Gmdrm	hypo	CHH	-0.1783
Gm09	37247573	37247750	Gmdrm	hypo	CHH	-0.17
Gm09	37247861	37248836	Gmdrm	hypo	CHH	-0.1102
Gm09	37264102	37265100	Gmdrm	hypo	CHH	-0.0131

Gm09	37270241	37271232	Gmdrm	hypo	CHH	-0.0358
Gm09	37281895	37282867	Gmdrm	hypo	CHH	-0.0299
Gm09	37285164	37286162	Gmdrm	hypo	CHH	-0.0474
Gm09	37286935	37287651	Gmdrm	hypo	CHH	-0.0583
Gm09	37291052	37292045	Gmdrm	hypo	CHH	-0.0209
Gm09	37292085	37292473	Gmdrm	hypo	CHH	-0.0368
Gm09	37305278	37306271	Gmdrm	hypo	CHH	-0.0768
Gm09	37311994	37312992	Gmdrm	hypo	CHH	-0.0684
Gm09	37322037	37322970	Gmdrm	hypo	CHH	-0.0392
Gm09	37323040	37323137	Gmdrm	hypo	CHH	-0.106
Gm09	37327363	37327596	Gmdrm	hypo	CHH	-0.0891
Gm09	37331984	37332982	Gmdrm	hypo	CHH	-0.0586
Gm09	37379811	37380091	Gmdrm	hypo	CHH	-0.162
Gm09	37380440	37381434	Gmdrm	hypo	CHH	-0.0514
Gm09	37384270	37385267	Gmdrm	hypo	CHH	-0.0198
Gm09	37394730	37395729	Gmdrm	hypo	CHH	-0.0521
Gm09	37414336	37415329	Gmdrm	hypo	CHH	-0.0157
Gm09	37415338	37416336	Gmdrm	hypo	CHH	-0.0558
Gm09	37416340	37417301	Gmdrm	hypo	CHH	-0.0179
Gm09	37417352	37418295	Gmdrm	hypo	CHH	-0.072
Gm09	37423447	37424447	Gmdrm	hypo	CHH	-0.0234
Gm09	37424450	37425446	Gmdrm	hypo	CHH	-0.0253
Gm09	37430481	37431474	Gmdrm	hypo	CHH	-0.0193
Gm09	37434376	37435375	Gmdrm	hypo	CHH	-0.0969
Gm09	37435377	37436371	Gmdrm	hypo	CHH	-0.0426
Gm09	37436386	37437381	Gmdrm	hypo	CHH	-0.0103
Gm09	37437408	37438403	Gmdrm	hypo	CHH	-0.1828
Gm09	37444144	37445144	Gmdrm	hypo	CHH	-0.0408
Gm09	37445151	37446147	Gmdrm	hypo	CHH	-0.0542
Gm09	37446152	37447152	Gmdrm	hypo	CHH	-0.0518
Gm09	37447153	37448149	Gmdrm	hypo	CHH	-0.0777
Gm09	37450164	37450471	Gmdrm	hypo	CHH	-0.0391
Gm09	37458581	37459578	Gmdrm	hypo	CHH	-0.1108
Gm09	37461593	37462589	Gmdrm	hypo	CHH	-0.0476
Gm09	37462602	37463206	Gmdrm	hypo	CHH	-0.0575
Gm09	37466579	37467579	Gmdrm	hypo	CHH	-0.2015
Gm09	37467581	37468580	Gmdrm	hypo	CHH	-0.0695
Gm09	37470907	37471907	Gmdrm	hypo	CHH	-0.0132
Gm09	37471973	37472968	Gmdrm	hypo	CHH	-0.03
Gm09	37572890	37573872	Gmdrm	hypo	CHH	-0.0577
Gm09	37576452	37577412	Gmdrm	hypo	CHH	-0.0213
Gm09	37579594	37580590	Gmdrm	hypo	CHH	-0.1482
Gm09	37600434	37601430	Gmdrm	hypo	CHH	-0.0824
Gm09	37601438	37601748	Gmdrm	hypo	CHH	-0.0227
Gm09	37602212	37603192	Gmdrm	hypo	CHH	-0.0984
Gm09	37606344	37607338	Gmdrm	hypo	CHH	-0.0439

Gm09	37608046	37609039	Gmdrm	hypo	CHH	-0.013
Gm09	37612064	37613060	Gmdrm	hypo	CHH	-0.0903
Gm09	37635400	37636396	Gmdrm	hypo	CHH	-0.0492
Gm09	37643168	37644163	Gmdrm	hypo	CHH	-0.0891
Gm09	37644170	37645168	Gmdrm	hypo	CHH	-0.1532
Gm09	37649924	37650883	Gmdrm	hypo	CHH	-0.0443
Gm09	37650943	37651923	Gmdrm	hypo	CHH	-0.0564
Gm09	37651945	37652248	Gmdrm	hypo	CHH	-0.0857
Gm09	37655077	37656051	Gmdrm	hypo	CHH	-0.0321
Gm09	37660955	37661927	Gmdrm	hypo	CHH	-0.0413
Gm09	37670024	37670937	Gmdrm	hypo	CHH	-0.1245
Gm09	37674682	37675679	Gmdrm	hypo	CHH	-0.0145
Gm09	37676712	37677699	Gmdrm	hypo	CHH	-0.0784
Gm09	37697863	37698854	Gmdrm	hypo	CHH	-0.1261
Gm09	37700902	37701480	Gmdrm	hypo	CHH	-0.0425
Gm09	37701656	37702380	Gmdrm	hypo	CHH	-0.0269
Gm09	37705515	37706506	Gmdrm	hypo	CHH	-0.0178
Gm09	37707846	37708662	Gmdrm	hypo	CHH	-0.0318
Gm09	37716481	37717463	Gmdrm	hypo	CHH	-0.1146
Gm09	37720193	37721181	Gmdrm	hypo	CHH	-0.1445
Gm09	37722866	37723859	Gmdrm	hypo	CHH	-0.0233
Gm09	37727904	37728654	Gmdrm	hypo	CHH	-0.0113
Gm09	37728766	37729765	Gmdrm	hypo	CHH	-0.0095
Gm09	37729767	37730766	Gmdrm	hypo	CHH	-0.0109
Gm09	37730948	37731446	Gmdrm	hypo	CHH	-0.0844
Gm09	37731580	37732164	Gmdrm	hypo	CHH	-0.1172
Gm09	37739517	37740501	Gmdrm	hypo	CHH	-0.0459
Gm09	37743568	37744566	Gmdrm	hypo	CHH	-0.0193
Gm09	37744573	37745274	Gmdrm	hypo	CHH	-0.0309
Gm09	37745386	37746384	Gmdrm	hypo	CHH	-0.0417
Gm09	37746433	37747390	Gmdrm	hypo	CHH	-0.0257
Gm09	37747440	37748438	Gmdrm	hypo	CHH	-0.0297
Gm09	37748442	37749442	Gmdrm	hypo	CHH	-0.0555
Gm09	37749445	37750441	Gmdrm	hypo	CHH	-0.0794
Gm09	37751493	37752491	Gmdrm	hypo	CHH	-0.0999
Gm09	37752495	37753488	Gmdrm	hypo	CHH	-0.1685
Gm09	37760772	37761393	Gmdrm	hypo	CHH	-0.0568
Gm09	37761612	37762563	Gmdrm	hypo	CHH	-0.0344
Gm09	37771824	37772809	Gmdrm	hypo	CHH	-0.017
Gm09	37772830	37773826	Gmdrm	hypo	CHH	-0.0112
Gm09	37783110	37784107	Gmdrm	hypo	CHH	-0.0275
Gm09	37788095	37788447	Gmdrm	hypo	CHH	-0.0291
Gm09	37793178	37794117	Gmdrm	hypo	CHH	-0.305
Gm09	37797176	37798164	Gmdrm	hypo	CHH	-0.0162
Gm09	37800423	37801233	Gmdrm	hypo	CHH	-0.1811
Gm09	37825706	37826706	Gmdrm	hypo	CHH	-0.0995

Gm09	37830976	37831964	Gmdrm	hypo	CHH	-0.129
Gm09	37833961	37834960	Gmdrm	hypo	CHH	-0.0318
Gm09	37834969	37835930	Gmdrm	hypo	CHH	-0.1014
Gm09	37837724	37838706	Gmdrm	hypo	CHH	-0.1817
Gm09	37844110	37845087	Gmdrm	hypo	CHH	-0.1327
Gm09	37852520	37853520	Gmdrm	hypo	CHH	-0.0441
Gm09	37853526	37854521	Gmdrm	hypo	CHH	-0.0337
Gm09	37866788	37867778	Gmdrm	hypo	CHH	-0.1267
Gm09	37867821	37868208	Gmdrm	hypo	CHH	-0.0238
Gm09	37869390	37870389	Gmdrm	hypo	CHH	-0.1679
Gm09	37870391	37871320	Gmdrm	hypo	CHH	-0.2986
Gm09	37872809	37873795	Gmdrm	hypo	CHH	-0.0498
Gm09	37873834	37874817	Gmdrm	hypo	CHH	-0.0257
Gm09	37876182	37877138	Gmdrm	hypo	CHH	-0.0256
Gm09	37877530	37878530	Gmdrm	hypo	CHH	-0.045
Gm09	37896397	37897368	Gmdrm	hypo	CHH	-0.0183
Gm09	37907393	37908390	Gmdrm	hypo	CHH	-0.0197
Gm09	37910128	37911104	Gmdrm	hypo	CHH	-0.1503
Gm09	37918688	37919688	Gmdrm	hypo	CHH	-0.073
Gm09	37920730	37921721	Gmdrm	hypo	CHH	-0.018
Gm09	37925572	37926568	Gmdrm	hypo	CHH	-0.0464
Gm09	37926573	37927572	Gmdrm	hypo	CHH	-0.0614
Gm09	37927578	37927985	Gmdrm	hypo	CHH	-0.0669
Gm09	37929098	37930095	Gmdrm	hypo	CHH	-0.0422
Gm09	37930107	37931094	Gmdrm	hypo	CHH	-0.0261
Gm09	37943324	37944323	Gmdrm	hypo	CHH	-0.025
Gm09	37949398	37949987	Gmdrm	hypo	CHH	-0.0169
Gm09	37964458	37965458	Gmdrm	hypo	CHH	-0.0477
Gm09	37966468	37967468	Gmdrm	hypo	CHH	-0.0388
Gm09	37974647	37975611	Gmdrm	hypo	CHH	-0.0206
Gm09	37990915	37991912	Gmdrm	hypo	CHH	-0.0166
Gm09	37993556	37994556	Gmdrm	hypo	CHH	-0.0136
Gm09	37998735	37999723	Gmdrm	hypo	CHH	-0.028
Gm09	38025379	38025592	Gmdrm	hypo	CHH	-0.02
Gm09	38046139	38046810	Gmdrm	hypo	CHH	-0.0218
Gm09	38047462	38048441	Gmdrm	hypo	CHH	-0.0149
Gm09	38049472	38050452	Gmdrm	hypo	CHH	-0.0562
Gm09	38053738	38054732	Gmdrm	hypo	CHH	-0.1659
Gm09	38054741	38055734	Gmdrm	hypo	CHH	-0.1949
Gm09	38176776	38177768	Gmdrm	hypo	CHH	-0.0508
Gm09	38192232	38193229	Gmdrm	hypo	CHH	-0.0258
Gm09	38193236	38194235	Gmdrm	hypo	CHH	-0.0152
Gm09	38205104	38206101	Gmdrm	hypo	CHH	-0.0179
Gm09	38206105	38207093	Gmdrm	hypo	CHH	-0.1764
Gm09	38207124	38208121	Gmdrm	hypo	CHH	-0.0587
Gm09	38209474	38209758	Gmdrm	hypo	CHH	-0.0572

Gm09	38209900	38210887	Gmdrm	hypo	CHH	-0.0322
Gm09	38217182	38218182	Gmdrm	hypo	CHH	-0.0456
Gm09	38218183	38219179	Gmdrm	hypo	CHH	-0.0414
Gm09	38231830	38232825	Gmdrm	hypo	CHH	-0.0405
Gm09	38273355	38273925	Gmdrm	hypo	CHH	-0.0243
Gm09	38278220	38279165	Gmdrm	hypo	CHH	-0.1229
Gm09	38279222	38280221	Gmdrm	hypo	CHH	-0.0549
Gm09	38280238	38281234	Gmdrm	hypo	CHH	-0.1017
Gm09	38281246	38281475	Gmdrm	hypo	CHH	-0.1671
Gm09	38285278	38286198	Gmdrm	hypo	CHH	-0.151
Gm09	38286482	38287476	Gmdrm	hypo	CHH	-0.0881
Gm09	38317233	38318214	Gmdrm	hypo	CHH	-0.1123
Gm09	38319687	38320687	Gmdrm	hypo	CHH	-0.0987
Gm09	38321700	38322699	Gmdrm	hypo	CHH	-0.0872
Gm09	38322701	38322946	Gmdrm	hypo	CHH	-0.0616
Gm09	38323073	38324067	Gmdrm	hypo	CHH	-0.0328
Gm09	38324077	38325075	Gmdrm	hypo	CHH	-0.0404
Gm09	38325081	38325721	Gmdrm	hypo	CHH	-0.0309
Gm09	38345473	38346473	Gmdrm	hypo	CHH	-0.0117
Gm09	38350298	38351290	Gmdrm	hypo	CHH	-0.1167
Gm09	38351328	38352303	Gmdrm	hypo	CHH	-0.0894
Gm09	38352352	38352944	Gmdrm	hypo	CHH	-0.1922
Gm09	38360351	38360639	Gmdrm	hypo	CHH	-0.0607
Gm09	38367211	38368199	Gmdrm	hypo	CHH	-0.0248
Gm09	38372326	38372572	Gmdrm	hypo	CHH	-0.0289
Gm09	38384008	38385004	Gmdrm	hypo	CHH	-0.0339
Gm09	38386028	38386488	Gmdrm	hypo	CHH	-0.0259
Gm09	38386601	38387601	Gmdrm	hypo	CHH	-0.0214
Gm09	38388632	38389388	Gmdrm	hypo	CHH	-0.0567
Gm09	38400487	38401476	Gmdrm	hypo	CHH	-0.0526
Gm09	38404572	38405549	Gmdrm	hypo	CHH	-0.0141
Gm09	38414140	38415006	Gmdrm	hypo	CHH	-0.0198
Gm09	38430835	38431815	Gmdrm	hypo	CHH	-0.0195
Gm09	38450915	38451915	Gmdrm	hypo	CHH	-0.0692
Gm09	38454113	38455081	Gmdrm	hypo	CHH	-0.1399
Gm09	38455114	38456096	Gmdrm	hypo	CHH	-0.108
Gm09	38466262	38467251	Gmdrm	hypo	CHH	-0.079
Gm09	38468462	38469460	Gmdrm	hypo	CHH	-0.0321
Gm09	38491723	38492718	Gmdrm	hypo	CHH	-0.0443
Gm09	38497663	38498652	Gmdrm	hypo	CHH	-0.02
Gm09	38504202	38505202	Gmdrm	hypo	CHH	-0.1458
Gm09	38510392	38511392	Gmdrm	hypo	CHH	-0.0942
Gm09	38511394	38512394	Gmdrm	hypo	CHH	-0.0805
Gm09	38538469	38539463	Gmdrm	hypo	CHH	-0.0668
Gm09	38543127	38544084	Gmdrm	hypo	CHH	-0.0686
Gm09	38570151	38571136	Gmdrm	hypo	CHH	-0.1344

Gm09	38571153	38571882	Gmdrm	hypo	CHH	-0.0706
Gm09	38586013	38586584	Gmdrm	hypo	CHH	-0.1642
Gm09	38594745	38595744	Gmdrm	hypo	CHH	-0.0277
Gm09	38599767	38600767	Gmdrm	hypo	CHH	-0.1467
Gm09	38600768	38601755	Gmdrm	hypo	CHH	-0.0636
Gm09	38603443	38604435	Gmdrm	hypo	CHH	-0.0617
Gm09	38604449	38605443	Gmdrm	hypo	CHH	-0.0444
Gm09	38616784	38617377	Gmdrm	hypo	CHH	-0.0895
Gm09	38631046	38632044	Gmdrm	hypo	CHH	-0.1605
Gm09	38632047	38632992	Gmdrm	hypo	CHH	-0.1965
Gm09	38639256	38640247	Gmdrm	hypo	CHH	-0.067
Gm09	38641479	38642459	Gmdrm	hypo	CHH	-0.0137
Gm09	38642501	38643245	Gmdrm	hypo	CHH	-0.08
Gm09	38650264	38651263	Gmdrm	hypo	CHH	-0.0941
Gm09	38653604	38654602	Gmdrm	hypo	CHH	-0.04
Gm09	38654606	38655603	Gmdrm	hypo	CHH	-0.1076
Gm09	38660134	38661116	Gmdrm	hypo	CHH	-0.0318
Gm09	38667846	38668827	Gmdrm	hypo	CHH	-0.0127
Gm09	38686895	38687891	Gmdrm	hypo	CHH	-0.0294
Gm09	38707770	38708764	Gmdrm	hypo	CHH	-0.0514
Gm09	38708771	38709765	Gmdrm	hypo	CHH	-0.1368
Gm09	38709787	38710545	Gmdrm	hypo	CHH	-0.1798
Gm09	38714377	38714664	Gmdrm	hypo	CHH	-0.0438
Gm09	38715289	38716289	Gmdrm	hypo	CHH	-0.018
Gm09	38716292	38717289	Gmdrm	hypo	CHH	-0.065
Gm09	38718326	38719324	Gmdrm	hypo	CHH	-0.061
Gm09	38720532	38721527	Gmdrm	hypo	CHH	-0.0214
Gm09	38742714	38742900	Gmdrm	hypo	CHH	-0.0343
Gm09	38743685	38744663	Gmdrm	hypo	CHH	-0.0366
Gm09	38762988	38763413	Gmdrm	hypo	CHH	-0.0277
Gm09	38764549	38765525	Gmdrm	hypo	CHH	-0.1663
Gm09	38769642	38770613	Gmdrm	hypo	CHH	-0.0134
Gm09	38775365	38776353	Gmdrm	hypo	CHH	-0.0603
Gm09	38776405	38777381	Gmdrm	hypo	CHH	-0.0705
Gm09	38777418	38777507	Gmdrm	hypo	CHH	-0.3143
Gm09	38785817	38786296	Gmdrm	hypo	CHH	-0.2807
Gm09	38787084	38788064	Gmdrm	hypo	CHH	-0.0568
Gm09	38808787	38809738	Gmdrm	hypo	CHH	-0.1208
Gm09	38812100	38812963	Gmdrm	hypo	CHH	-0.0295
Gm09	38814337	38815330	Gmdrm	hypo	CHH	-0.0187
Gm09	38815452	38816452	Gmdrm	hypo	CHH	-0.0189
Gm09	38821501	38822003	Gmdrm	hypo	CHH	-0.0202
Gm09	38825448	38826446	Gmdrm	hypo	CHH	-0.0364
Gm09	38826453	38827418	Gmdrm	hypo	CHH	-0.0512
Gm09	38831708	38832706	Gmdrm	hypo	CHH	-0.0604
Gm09	38837776	38838766	Gmdrm	hypo	CHH	-0.0305

Gm09	38838777	38839739	Gmdrm	hypo	CHH	-0.0693
Gm09	38847205	38848203	Gmdrm	hypo	CHH	-0.0441
Gm09	38899926	38900920	Gmdrm	hypo	CHH	-0.0319
Gm09	38904492	38905489	Gmdrm	hypo	CHH	-0.0455
Gm09	38905495	38906492	Gmdrm	hypo	CHH	-0.0687
Gm09	38926268	38927260	Gmdrm	hypo	CHH	-0.013
Gm09	38949232	38949476	Gmdrm	hypo	CHH	-0.0967
Gm09	38959755	38960749	Gmdrm	hypo	CHH	-0.0209
Gm09	38964814	38965235	Gmdrm	hypo	CHH	-0.168
Gm09	38972353	38973346	Gmdrm	hypo	CHH	-0.0232
Gm09	38973354	38974342	Gmdrm	hypo	CHH	-0.0398
Gm09	38983792	38984788	Gmdrm	hypo	CHH	-0.0308
Gm09	38984831	38985831	Gmdrm	hypo	CHH	-0.0434
Gm09	38988275	38989266	Gmdrm	hypo	CHH	-0.0171
Gm09	38989287	38990266	Gmdrm	hypo	CHH	-0.1233
Gm09	38990330	38991329	Gmdrm	hypo	CHH	-0.0586
Gm09	38992657	38993641	Gmdrm	hypo	CHH	-0.1406
Gm09	38993665	38994663	Gmdrm	hypo	CHH	-0.0923
Gm09	38996827	38997771	Gmdrm	hypo	CHH	-0.0187
Gm09	38997846	38998845	Gmdrm	hypo	CHH	-0.0153
Gm09	39000871	39001827	Gmdrm	hypo	CHH	-0.2734
Gm09	39019292	39020292	Gmdrm	hypo	CHH	-0.0312
Gm09	39023221	39024217	Gmdrm	hypo	CHH	-0.0566
Gm09	39029280	39030276	Gmdrm	hypo	CHH	-0.0319
Gm09	39030284	39031271	Gmdrm	hypo	CHH	-0.0689
Gm09	39047519	39048515	Gmdrm	hypo	CHH	-0.0841
Gm09	39053461	39053659	Gmdrm	hypo	CHH	-0.1025
Gm09	39054125	39055110	Gmdrm	hypo	CHH	-0.0808
Gm09	39055127	39055523	Gmdrm	hypo	CHH	-0.1203
Gm09	39056037	39056500	Gmdrm	hypo	CHH	-0.0327
Gm09	39068008	39069007	Gmdrm	hypo	CHH	-0.0231
Gm09	39069015	39069990	Gmdrm	hypo	CHH	-0.0532
Gm09	39075407	39076402	Gmdrm	hypo	CHH	-0.0387
Gm09	39076433	39077427	Gmdrm	hypo	CHH	-0.045
Gm09	39077440	39078432	Gmdrm	hypo	CHH	-0.0393
Gm09	39082752	39083266	Gmdrm	hypo	CHH	-0.0562
Gm09	39089141	39090140	Gmdrm	hypo	CHH	-0.0757
Gm09	39093519	39094517	Gmdrm	hypo	CHH	-0.0696
Gm09	39094525	39095522	Gmdrm	hypo	CHH	-0.1077
Gm09	39096542	39097542	Gmdrm	hypo	CHH	-0.0869
Gm09	39097543	39097890	Gmdrm	hypo	CHH	-0.0592
Gm09	39103715	39104158	Gmdrm	hypo	CHH	-0.0667
Gm09	39105288	39106052	Gmdrm	hypo	CHH	-0.0463
Gm09	39121664	39122660	Gmdrm	hypo	CHH	-0.0948
Gm09	39122671	39123668	Gmdrm	hypo	CHH	-0.0165
Gm09	39138042	39139035	Gmdrm	hypo	CHH	-0.0441

Gm09	39141065	39142014	Gmdrm	hypo	CHH	-0.0191
Gm09	39144125	39144938	Gmdrm	hypo	CHH	-0.0259
Gm09	39156246	39157243	Gmdrm	hypo	CHH	-0.0565
Gm09	39174580	39175409	Gmdrm	hypo	CHH	-0.0432
Gm09	39180993	39181662	Gmdrm	hypo	CHH	-0.0454
Gm09	39184390	39185380	Gmdrm	hypo	CHH	-0.0302
Gm09	39191673	39192431	Gmdrm	hypo	CHH	-0.0466
Gm09	39217913	39218913	Gmdrm	hypo	CHH	-0.0523
Gm09	39224838	39225835	Gmdrm	hypo	CHH	-0.1787
Gm09	39225840	39226831	Gmdrm	hypo	CHH	-0.123
Gm09	39229283	39229719	Gmdrm	hypo	CHH	-0.0206
Gm09	39235487	39236484	Gmdrm	hypo	CHH	-0.0589
Gm09	39236499	39237496	Gmdrm	hypo	CHH	-0.0661
Gm09	39252972	39253962	Gmdrm	hypo	CHH	-0.1073
Gm09	39278743	39279716	Gmdrm	hypo	CHH	-0.0467
Gm09	39283591	39284587	Gmdrm	hypo	CHH	-0.077
Gm09	39292796	39293781	Gmdrm	hypo	CHH	-0.1349
Gm09	39293810	39294808	Gmdrm	hypo	CHH	-0.017
Gm09	39303305	39304293	Gmdrm	hypo	CHH	-0.0296
Gm09	39304545	39305539	Gmdrm	hypo	CHH	-0.0202
Gm09	39312611	39313547	Gmdrm	hypo	CHH	-0.0224
Gm09	39316758	39317748	Gmdrm	hypo	CHH	-0.0171
Gm09	39326172	39327138	Gmdrm	hypo	CHH	-0.0648
Gm09	39330066	39331052	Gmdrm	hypo	CHH	-0.0266
Gm09	39332096	39333090	Gmdrm	hypo	CHH	-0.0131
Gm09	39334120	39335096	Gmdrm	hypo	CHH	-0.1023
Gm09	39349874	39350873	Gmdrm	hypo	CHH	-0.1867
Gm09	39350876	39351874	Gmdrm	hypo	CHH	-0.0479
Gm09	39365741	39366686	Gmdrm	hypo	CHH	-0.0177
Gm09	39372162	39373156	Gmdrm	hypo	CHH	-0.072
Gm09	39376703	39377702	Gmdrm	hypo	CHH	-0.0223
Gm09	39380030	39381030	Gmdrm	hypo	CHH	-0.0538
Gm09	39383916	39384911	Gmdrm	hypo	CHH	-0.0498
Gm09	39388245	39388420	Gmdrm	hypo	CHH	-0.025
Gm09	39392583	39392782	Gmdrm	hypo	CHH	-0.043
Gm09	39401686	39402184	Gmdrm	hypo	CHH	-0.1239
Gm09	39403079	39403463	Gmdrm	hypo	CHH	-0.0246
Gm09	39403957	39404083	Gmdrm	hypo	CHH	-0.113
Gm09	39412660	39413660	Gmdrm	hypo	CHH	-0.1122
Gm09	39440685	39441682	Gmdrm	hypo	CHH	-0.0582
Gm09	39441701	39442699	Gmdrm	hypo	CHH	-0.0172
Gm09	39443727	39444358	Gmdrm	hypo	CHH	-0.0362
Gm09	39452819	39453243	Gmdrm	hypo	CHH	-0.0506
Gm09	39455478	39456476	Gmdrm	hypo	CHH	-0.0358
Gm09	39456487	39457481	Gmdrm	hypo	CHH	-0.048
Gm09	39457499	39458499	Gmdrm	hypo	CHH	-0.0582

Gm09	39458506	39459486	Gmdrm	hypo	CHH	-0.0344
Gm09	39464805	39465803	Gmdrm	hypo	CHH	-0.0491
Gm09	39465818	39466815	Gmdrm	hypo	CHH	-0.0371
Gm09	39467157	39468153	Gmdrm	hypo	CHH	-0.0629
Gm09	39468159	39469039	Gmdrm	hypo	CHH	-0.0219
Gm09	39472709	39473675	Gmdrm	hypo	CHH	-0.0226
Gm09	39475755	39476734	Gmdrm	hypo	CHH	-0.0621
Gm09	39479687	39479898	Gmdrm	hypo	CHH	-0.0923
Gm09	39480103	39481014	Gmdrm	hypo	CHH	-0.39
Gm09	39488572	39489568	Gmdrm	hypo	CHH	-0.2228
Gm09	39494521	39495505	Gmdrm	hypo	CHH	-0.0217
Gm09	39499931	39500931	Gmdrm	hypo	CHH	-0.0343
Gm09	39500935	39501932	Gmdrm	hypo	CHH	-0.2735
Gm09	39501936	39502884	Gmdrm	hypo	CHH	-0.1155
Gm09	39503848	39504844	Gmdrm	hypo	CHH	-0.0361
Gm09	39505658	39505798	Gmdrm	hypo	CHH	-0.0313
Gm09	39505904	39505957	Gmdrm	hypo	CHH	-0.085
Gm09	39518390	39519361	Gmdrm	hypo	CHH	-0.018
Gm09	39519410	39520404	Gmdrm	hypo	CHH	-0.0173
Gm09	39520475	39521463	Gmdrm	hypo	CHH	-0.02
Gm09	39521506	39521883	Gmdrm	hypo	CHH	-0.0534
Gm09	39523176	39524169	Gmdrm	hypo	CHH	-0.0262
Gm09	39530745	39531743	Gmdrm	hypo	CHH	-0.0243
Gm09	39532758	39533758	Gmdrm	hypo	CHH	-0.0449
Gm09	39534762	39535750	Gmdrm	hypo	CHH	-0.0277
Gm09	39545816	39545962	Gmdrm	hypo	CHH	-0.048
Gm09	39547480	39548461	Gmdrm	hypo	CHH	-0.0223
Gm09	39550530	39551525	Gmdrm	hypo	CHH	-0.0653
Gm09	39551536	39552534	Gmdrm	hypo	CHH	-0.0761
Gm09	39552922	39553919	Gmdrm	hypo	CHH	-0.1156
Gm09	39553925	39554923	Gmdrm	hypo	CHH	-0.1347
Gm09	39557977	39558975	Gmdrm	hypo	CHH	-0.1798
Gm09	39558979	39559472	Gmdrm	hypo	CHH	-0.1335
Gm09	39653887	39654887	Gmdrm	hypo	CHH	-0.0601
Gm09	39661243	39662221	Gmdrm	hypo	CHH	-0.1173
Gm09	39663995	39664572	Gmdrm	hypo	CHH	-0.0328
Gm09	39664930	39665673	Gmdrm	hypo	CHH	-0.03
Gm09	39676379	39677376	Gmdrm	hypo	CHH	-0.1082
Gm09	39677381	39678381	Gmdrm	hypo	CHH	-0.0276
Gm09	39686819	39687806	Gmdrm	hypo	CHH	-0.041
Gm09	39696590	39697587	Gmdrm	hypo	CHH	-0.0286
Gm09	39701353	39701918	Gmdrm	hypo	CHH	-0.0151
Gm09	39703447	39704442	Gmdrm	hypo	CHH	-0.0223
Gm09	39722262	39723234	Gmdrm	hypo	CHH	-0.1121
Gm09	39723605	39724603	Gmdrm	hypo	CHH	-0.0945
Gm09	39727889	39728619	Gmdrm	hypo	CHH	-0.04

Gm09	39730740	39731702	Gmdrm	hypo	CHH	-0.0166
Gm09	39733834	39734428	Gmdrm	hypo	CHH	-0.05
Gm09	39735606	39736600	Gmdrm	hypo	CHH	-0.1545
Gm09	39742125	39742946	Gmdrm	hypo	CHH	-0.0302
Gm09	39755268	39756237	Gmdrm	hypo	CHH	-0.0293
Gm09	39765415	39766366	Gmdrm	hypo	CHH	-0.0237
Gm09	39770172	39771139	Gmdrm	hypo	CHH	-0.0624
Gm09	39771181	39771809	Gmdrm	hypo	CHH	-0.0678
Gm09	39774968	39775947	Gmdrm	hypo	CHH	-0.02
Gm09	39778034	39779023	Gmdrm	hypo	CHH	-0.0499
Gm09	39780900	39781584	Gmdrm	hypo	CHH	-0.0464
Gm09	39790747	39791308	Gmdrm	hypo	CHH	-0.0829
Gm09	39794091	39795051	Gmdrm	hypo	CHH	-0.0283
Gm09	39805580	39806284	Gmdrm	hypo	CHH	-0.0289
Gm09	39806640	39807632	Gmdrm	hypo	CHH	-0.0463
Gm09	39819491	39820489	Gmdrm	hypo	CHH	-0.0183
Gm09	39826817	39827797	Gmdrm	hypo	CHH	-0.0562
Gm09	39836071	39837055	Gmdrm	hypo	CHH	-0.0184
Gm09	39840102	39841100	Gmdrm	hypo	CHH	-0.0757
Gm09	39841104	39841580	Gmdrm	hypo	CHH	-0.4651
Gm09	39848443	39849416	Gmdrm	hypo	CHH	-0.0833
Gm09	39850472	39851470	Gmdrm	hypo	CHH	-0.017
Gm09	39853508	39854499	Gmdrm	hypo	CHH	-0.0178
Gm09	39859193	39860190	Gmdrm	hypo	CHH	-0.0156
Gm09	39861196	39862176	Gmdrm	hypo	CHH	-0.1211
Gm09	39862226	39863047	Gmdrm	hypo	CHH	-0.0344
Gm09	39871520	39872518	Gmdrm	hypo	CHH	-0.1401
Gm09	39872524	39873522	Gmdrm	hypo	CHH	-0.2262
Gm09	39874544	39875519	Gmdrm	hypo	CHH	-0.0147
Gm09	39876596	39877593	Gmdrm	hypo	CHH	-0.1064
Gm09	39877600	39878593	Gmdrm	hypo	CHH	-0.0737
Gm09	39889419	39890408	Gmdrm	hypo	CHH	-0.153
Gm09	39894174	39895158	Gmdrm	hypo	CHH	-0.0324
Gm09	39895609	39896590	Gmdrm	hypo	CHH	-0.206
Gm09	39896630	39897627	Gmdrm	hypo	CHH	-0.0792
Gm09	39900638	39901464	Gmdrm	hypo	CHH	-0.0438
Gm09	39918186	39918384	Gmdrm	hypo	CHH	-0.156
Gm09	39927747	39928547	Gmdrm	hypo	CHH	-0.0454
Gm09	39961944	39962321	Gmdrm	hypo	CHH	-0.0208
Gm09	39974429	39975409	Gmdrm	hypo	CHH	-0.07
Gm09	39975996	39976650	Gmdrm	hypo	CHH	-0.0435
Gm09	39977265	39978265	Gmdrm	hypo	CHH	-0.0532
Gm09	40019914	40020852	Gmdrm	hypo	CHH	-0.0245
Gm09	40024931	40025901	Gmdrm	hypo	CHH	-0.0241
Gm09	40038449	40039435	Gmdrm	hypo	CHH	-0.1675
Gm09	40039460	40040361	Gmdrm	hypo	CHH	-0.0877

Gm09	40045601	40046588	Gmdrm	hypo	CHH	-0.035
Gm09	40049629	40050629	Gmdrm	hypo	CHH	-0.0206
Gm09	40070864	40071830	Gmdrm	hypo	CHH	-0.0645
Gm09	40071881	40072841	Gmdrm	hypo	CHH	-0.0388
Gm09	40072890	40073847	Gmdrm	hypo	CHH	-0.0646
Gm09	40084527	40085524	Gmdrm	hypo	CHH	-0.012
Gm09	40089366	40089484	Gmdrm	hypo	CHH	-0.0467
Gm09	40107634	40108628	Gmdrm	hypo	CHH	-0.0425
Gm09	40113551	40114538	Gmdrm	hypo	CHH	-0.1339
Gm09	40115969	40116953	Gmdrm	hypo	CHH	-0.0197
Gm09	40126996	40127952	Gmdrm	hypo	CHH	-0.1184
Gm09	40129630	40130164	Gmdrm	hypo	CHH	-0.0348
Gm09	40132826	40133386	Gmdrm	hypo	CHH	-0.0762
Gm09	40135552	40136534	Gmdrm	hypo	CHH	-0.0315
Gm09	40141998	40142994	Gmdrm	hypo	CHH	-0.0145
Gm09	40143343	40144326	Gmdrm	hypo	CHH	-0.11
Gm09	40145359	40146343	Gmdrm	hypo	CHH	-0.0311
Gm09	40155004	40155989	Gmdrm	hypo	CHH	-0.0287
Gm09	40171514	40172511	Gmdrm	hypo	CHH	-0.056
Gm09	40199067	40200045	Gmdrm	hypo	CHH	-0.0205
Gm09	40210380	40211357	Gmdrm	hypo	CHH	-0.2544
Gm09	40216643	40217642	Gmdrm	hypo	CHH	-0.0143
Gm09	40218095	40219085	Gmdrm	hypo	CHH	-0.0134
Gm09	40221116	40222080	Gmdrm	hypo	CHH	-0.0196
Gm09	40222307	40223301	Gmdrm	hypo	CHH	-0.0271
Gm09	40223314	40224311	Gmdrm	hypo	CHH	-0.0158
Gm09	40225695	40226689	Gmdrm	hypo	CHH	-0.0153
Gm09	40234922	40235893	Gmdrm	hypo	CHH	-0.0296
Gm09	40238986	40239980	Gmdrm	hypo	CHH	-0.0264
Gm09	40241005	40242003	Gmdrm	hypo	CHH	-0.0406
Gm09	40252145	40252630	Gmdrm	hypo	CHH	-0.034
Gm09	40252951	40253929	Gmdrm	hypo	CHH	-0.0306
Gm09	40254279	40255248	Gmdrm	hypo	CHH	-0.0225
Gm09	40256317	40257303	Gmdrm	hypo	CHH	-0.0208
Gm09	40260352	40261335	Gmdrm	hypo	CHH	-0.0336
Gm09	40267340	40268336	Gmdrm	hypo	CHH	-0.0593
Gm09	40277008	40277320	Gmdrm	hypo	CHH	-0.0377
Gm09	40286474	40287334	Gmdrm	hypo	CHH	-0.0159
Gm09	40288484	40289093	Gmdrm	hypo	CHH	-0.0245
Gm09	40299610	40300317	Gmdrm	hypo	CHH	-0.0277
Gm09	40305130	40306111	Gmdrm	hypo	CHH	-0.0193
Gm09	40311809	40312698	Gmdrm	hypo	CHH	-0.0346
Gm09	40318774	40319741	Gmdrm	hypo	CHH	-0.0198
Gm09	40320852	40321851	Gmdrm	hypo	CHH	-0.068
Gm09	40321865	40322862	Gmdrm	hypo	CHH	-0.0787
Gm09	40322871	40323871	Gmdrm	hypo	CHH	-0.0758

Gm09	40325277	40325920	Gmdrm	hypo	CHH	-0.0459
Gm09	40333729	40334563	Gmdrm	hypo	CHH	-0.0967
Gm09	40335407	40336406	Gmdrm	hypo	CHH	-0.0477
Gm09	40345603	40346602	Gmdrm	hypo	CHH	-0.038
Gm09	40348617	40349611	Gmdrm	hypo	CHH	-0.0373
Gm09	40355801	40356786	Gmdrm	hypo	CHH	-0.0689
Gm09	40356802	40357802	Gmdrm	hypo	CHH	-0.046
Gm09	40363813	40364698	Gmdrm	hypo	CHH	-0.1853
Gm09	40365123	40366120	Gmdrm	hypo	CHH	-0.2225
Gm09	40366125	40367124	Gmdrm	hypo	CHH	-0.2116
Gm09	40372085	40373065	Gmdrm	hypo	CHH	-0.0145
Gm09	40378571	40379132	Gmdrm	hypo	CHH	-0.0153
Gm09	40381515	40382514	Gmdrm	hypo	CHH	-0.0161
Gm09	40389897	40390888	Gmdrm	hypo	CHH	-0.0145
Gm09	40403219	40404214	Gmdrm	hypo	CHH	-0.0273
Gm09	40404238	40405238	Gmdrm	hypo	CHH	-0.0582
Gm09	40418356	40418571	Gmdrm	hypo	CHH	-0.0409
Gm09	40426730	40427720	Gmdrm	hypo	CHH	-0.0133
Gm09	40429772	40430761	Gmdrm	hypo	CHH	-0.08
Gm09	40451151	40451375	Gmdrm	hypo	CHH	-0.0224
Gm09	40457425	40457637	Gmdrm	hypo	CHH	-0.0279
Gm09	40473404	40474400	Gmdrm	hypo	CHH	-0.0199
Gm09	40495948	40496947	Gmdrm	hypo	CHH	-0.0507
Gm09	40496952	40497832	Gmdrm	hypo	CHH	-0.1064
Gm09	40497933	40498912	Gmdrm	hypo	CHH	-0.0351
Gm09	40511957	40512945	Gmdrm	hypo	CHH	-0.02
Gm09	40530168	40531156	Gmdrm	hypo	CHH	-0.0176
Gm09	40533193	40534190	Gmdrm	hypo	CHH	-0.0164
Gm09	40534198	40535198	Gmdrm	hypo	CHH	-0.0372
Gm09	40539645	40540173	Gmdrm	hypo	CHH	-0.2783
Gm09	40542620	40543294	Gmdrm	hypo	CHH	-0.0418
Gm09	40544342	40545341	Gmdrm	hypo	CHH	-0.041
Gm09	40545344	40546330	Gmdrm	hypo	CHH	-0.0875
Gm09	40546370	40547316	Gmdrm	hypo	CHH	-0.0293
Gm09	40547371	40548354	Gmdrm	hypo	CHH	-0.0307
Gm09	40548389	40549389	Gmdrm	hypo	CHH	-0.0248
Gm09	40554482	40555481	Gmdrm	hypo	CHH	-0.0743
Gm09	40555486	40555538	Gmdrm	hypo	CHH	-0.185
Gm09	40555817	40556807	Gmdrm	hypo	CHH	-0.1855
Gm09	40556853	40557853	Gmdrm	hypo	CHH	-0.0666
Gm09	40557880	40558865	Gmdrm	hypo	CHH	-0.1244
Gm09	40563860	40564857	Gmdrm	hypo	CHH	-0.0149
Gm09	40567965	40568917	Gmdrm	hypo	CHH	-0.027
Gm09	40574632	40575628	Gmdrm	hypo	CHH	-0.1607
Gm09	40575642	40576586	Gmdrm	hypo	CHH	-0.0236
Gm09	40577159	40578054	Gmdrm	hypo	CHH	-0.0109

Gm09	40591551	40592551 Gmdrm	hypo	CHH	-0.0647
Gm09	40592588	40593586 Gmdrm	hypo	CHH	-0.0273
Gm09	40593598	40594530 Gmdrm	hypo	CHH	-0.0288
Gm09	40597675	40598675 Gmdrm	hypo	CHH	-0.0214
Gm09	40602359	40603354 Gmdrm	hypo	CHH	-0.0692
Gm09	40606450	40606633 Gmdrm	hypo	CHH	-0.0731
Gm09	40606756	40607751 Gmdrm	hypo	CHH	-0.0369
Gm09	40621158	40622117 Gmdrm	hypo	CHH	-0.0162
Gm09	40625227	40626217 Gmdrm	hypo	CHH	-0.0246
Gm09	40630754	40631754 Gmdrm	hypo	CHH	-0.0548
Gm09	40634095	40635095 Gmdrm	hypo	CHH	-0.1755
Gm09	40635097	40635527 Gmdrm	hypo	CHH	-0.2617
Gm09	40635640	40636640 Gmdrm	hypo	CHH	-0.1465
Gm09	40639631	40640627 Gmdrm	hypo	CHH	-0.0154
Gm09	40646375	40646545 Gmdrm	hypo	CHH	-0.08
Gm09	40646707	40647702 Gmdrm	hypo	CHH	-0.0262
Gm09	40650350	40651343 Gmdrm	hypo	CHH	-0.0842
Gm09	40659335	40660330 Gmdrm	hypo	CHH	-0.0498
Gm09	40668754	40669716 Gmdrm	hypo	CHH	-0.1352
Gm09	40673757	40674749 Gmdrm	hypo	CHH	-0.0402
Gm09	40677527	40678520 Gmdrm	hypo	CHH	-0.0191
Gm09	40680610	40681068 Gmdrm	hypo	CHH	-0.0923
Gm09	40688396	40689358 Gmdrm	hypo	CHH	-0.0177
Gm09	40690437	40691428 Gmdrm	hypo	CHH	-0.0557
Gm09	40691441	40691867 Gmdrm	hypo	CHH	-0.3404
Gm09	40702750	40703693 Gmdrm	hypo	CHH	-0.0289
Gm09	40705713	40706696 Gmdrm	hypo	CHH	-0.0432
Gm09	40723861	40724861 Gmdrm	hypo	CHH	-0.2299
Gm09	40724864	40725252 Gmdrm	hypo	CHH	-0.4827
Gm09	40732057	40733019 Gmdrm	hypo	CHH	-0.1365
Gm09	40735621	40736619 Gmdrm	hypo	CHH	-0.0362
Gm09	40740117	40741005 Gmdrm	hypo	CHH	-0.0176
Gm09	40741836	40742833 Gmdrm	hypo	CHH	-0.2914
Gm09	40750912	40751883 Gmdrm	hypo	CHH	-0.0238
Gm09	40753926	40754907 Gmdrm	hypo	CHH	-0.0273
Gm09	40754937	40755930 Gmdrm	hypo	CHH	-0.0387
Gm09	40755952	40756934 Gmdrm	hypo	CHH	-0.0148
Gm09	40764054	40765047 Gmdrm	hypo	CHH	-0.0456
Gm09	40765069	40765320 Gmdrm	hypo	CHH	-0.0344
Gm09	40766802	40767800 Gmdrm	hypo	CHH	-0.1179
Gm09	40767805	40768805 Gmdrm	hypo	CHH	-0.1232
Gm09	40768807	40769336 Gmdrm	hypo	CHH	-0.05
Gm09	40772931	40773906 Gmdrm	hypo	CHH	-0.1454
Gm09	40773936	40774936 Gmdrm	hypo	CHH	-0.0705
Gm09	40807258	40808107 Gmdrm	hypo	CHH	-0.0215
Gm09	40810788	40811583 Gmdrm	hypo	CHH	-0.0139

Gm09	40817010	40818003	Gmdrm	hypo	CHH	-0.034
Gm09	40821033	40822033	Gmdrm	hypo	CHH	-0.068
Gm09	40822037	40823033	Gmdrm	hypo	CHH	-0.0411
Gm09	40833524	40834505	Gmdrm	hypo	CHH	-0.021
Gm09	40838413	40839410	Gmdrm	hypo	CHH	-0.1276
Gm09	40839414	40840179	Gmdrm	hypo	CHH	-0.0598
Gm09	40842672	40843624	Gmdrm	hypo	CHH	-0.0239
Gm09	40843717	40844701	Gmdrm	hypo	CHH	-0.0338
Gm09	40844718	40845712	Gmdrm	hypo	CHH	-0.1057
Gm09	40863002	40863998	Gmdrm	hypo	CHH	-0.0597
Gm09	40867795	40868476	Gmdrm	hypo	CHH	-0.0506
Gm09	40869351	40870048	Gmdrm	hypo	CHH	-0.0218
Gm09	40870345	40871339	Gmdrm	hypo	CHH	-0.0867
Gm09	40871354	40872353	Gmdrm	hypo	CHH	-0.1364
Gm09	40872359	40873079	Gmdrm	hypo	CHH	-0.0331
Gm09	40874594	40875564	Gmdrm	hypo	CHH	-0.0242
Gm09	40875948	40876851	Gmdrm	hypo	CHH	-0.0493
Gm09	40882107	40883106	Gmdrm	hypo	CHH	-0.0831
Gm09	40883111	40883384	Gmdrm	hypo	CHH	-0.11
Gm09	40884522	40885515	Gmdrm	hypo	CHH	-0.0426
Gm09	40887567	40888558	Gmdrm	hypo	CHH	-0.0465
Gm09	40890152	40890964	Gmdrm	hypo	CHH	-0.1554
Gm09	40893272	40894269	Gmdrm	hypo	CHH	-0.0639
Gm09	40895282	40896275	Gmdrm	hypo	CHH	-0.0313
Gm09	40908375	40909295	Gmdrm	hypo	CHH	-0.1138
Gm09	40914842	40915831	Gmdrm	hypo	CHH	-0.0164
Gm09	40915848	40916838	Gmdrm	hypo	CHH	-0.1044
Gm09	40917904	40918889	Gmdrm	hypo	CHH	-0.0095
Gm09	40919934	40920927	Gmdrm	hypo	CHH	-0.0151
Gm09	40921959	40922932	Gmdrm	hypo	CHH	-0.2631
Gm09	40982262	40983261	Gmdrm	hypo	CHH	-0.0314
Gm09	40983272	40984270	Gmdrm	hypo	CHH	-0.0395
Gm09	40984275	40985105	Gmdrm	hypo	CHH	-0.075
Gm09	40999219	41000213	Gmdrm	hypo	CHH	-0.1291
Gm09	41000221	41000754	Gmdrm	hypo	CHH	-0.0654
Gm09	41001059	41002059	Gmdrm	hypo	CHH	-0.0458
Gm09	41002063	41003058	Gmdrm	hypo	CHH	-0.0753
Gm09	41003070	41003905	Gmdrm	hypo	CHH	-0.0364
Gm09	41004436	41005431	Gmdrm	hypo	CHH	-0.0729
Gm09	41012076	41013076	Gmdrm	hypo	CHH	-0.0167
Gm09	41018272	41019268	Gmdrm	hypo	CHH	-0.1322
Gm09	41019276	41020274	Gmdrm	hypo	CHH	-0.149
Gm09	41020299	41021295	Gmdrm	hypo	CHH	-0.0749
Gm09	41021307	41022303	Gmdrm	hypo	CHH	-0.083
Gm09	41022308	41023204	Gmdrm	hypo	CHH	-0.0381
Gm09	41026069	41026408	Gmdrm	hypo	CHH	-0.4116

Gm09	41028550	41029548 Gmdrm	hypo	CHH	-0.0118
Gm09	41036864	41037812 Gmdrm	hypo	CHH	-0.0152
Gm09	41037868	41038853 Gmdrm	hypo	CHH	-0.054
Gm09	41039827	41040827 Gmdrm	hypo	CHH	-0.1684
Gm09	41040834	41041339 Gmdrm	hypo	CHH	-0.2856
Gm09	41056247	41057190 Gmdrm	hypo	CHH	-0.1577
Gm09	41059282	41060237 Gmdrm	hypo	CHH	-0.011
Gm09	41066701	41067510 Gmdrm	hypo	CHH	-0.0579
Gm09	41076837	41077826 Gmdrm	hypo	CHH	-0.0951
Gm09	41077839	41078810 Gmdrm	hypo	CHH	-0.0295
Gm09	41089396	41090389 Gmdrm	hypo	CHH	-0.0384
Gm09	41090404	41091400 Gmdrm	hypo	CHH	-0.0378
Gm09	41091406	41092406 Gmdrm	hypo	CHH	-0.1409
Gm09	41092408	41093399 Gmdrm	hypo	CHH	-0.338
Gm09	41099264	41100061 Gmdrm	hypo	CHH	-0.0284
Gm09	41103151	41104147 Gmdrm	hypo	CHH	-0.0124
Gm09	41104155	41105154 Gmdrm	hypo	CHH	-0.0748
Gm09	41105156	41106145 Gmdrm	hypo	CHH	-0.0375
Gm09	41111375	41112368 Gmdrm	hypo	CHH	-0.0128
Gm09	41133949	41134904 Gmdrm	hypo	CHH	-0.0114
Gm09	41145268	41146093 Gmdrm	hypo	CHH	-0.2762
Gm09	41146212	41147202 Gmdrm	hypo	CHH	-0.0212
Gm09	41147214	41148203 Gmdrm	hypo	CHH	-0.1047
Gm09	41149244	41150230 Gmdrm	hypo	CHH	-0.0355
Gm09	41150261	41151249 Gmdrm	hypo	CHH	-0.0524
Gm09	41151332	41152312 Gmdrm	hypo	CHH	-0.0462
Gm09	41153527	41154515 Gmdrm	hypo	CHH	-0.0144
Gm09	41155603	41156593 Gmdrm	hypo	CHH	-0.0654
Gm09	41156605	41157043 Gmdrm	hypo	CHH	-0.027
Gm09	41157830	41158822 Gmdrm	hypo	CHH	-0.0197
Gm09	41176147	41177140 Gmdrm	hypo	CHH	-0.0377
Gm09	41177184	41178178 Gmdrm	hypo	CHH	-0.2324
Gm09	41215654	41216651 Gmdrm	hypo	CHH	-0.035
Gm09	41221018	41222017 Gmdrm	hypo	CHH	-0.0513
Gm09	41222021	41222991 Gmdrm	hypo	CHH	-0.057
Gm09	41223027	41223986 Gmdrm	hypo	CHH	-0.3869
Gm09	41224038	41225036 Gmdrm	hypo	CHH	-0.0337
Gm09	41229585	41230577 Gmdrm	hypo	CHH	-0.0608
Gm09	41233599	41234543 Gmdrm	hypo	CHH	-0.0627
Gm09	41240773	41241772 Gmdrm	hypo	CHH	-0.0146
Gm09	41244927	41245921 Gmdrm	hypo	CHH	-0.044
Gm09	41245939	41246939 Gmdrm	hypo	CHH	-0.0512
Gm09	41246952	41247941 Gmdrm	hypo	CHH	-0.0262
Gm09	41253770	41253984 Gmdrm	hypo	CHH	-0.029
Gm09	41255135	41256091 Gmdrm	hypo	CHH	-0.0277
Gm09	41277017	41277608 Gmdrm	hypo	CHH	-0.041

Gm09	41277728	41278722	Gmdrm	hypo	CHH	-0.0807
Gm09	41278732	41279133	Gmdrm	hypo	CHH	-0.091
Gm09	41279401	41280401	Gmdrm	hypo	CHH	-0.0972
Gm09	41283069	41284066	Gmdrm	hypo	CHH	-0.1652
Gm09	41286859	41287858	Gmdrm	hypo	CHH	-0.047
Gm09	41294606	41295596	Gmdrm	hypo	CHH	-0.0427
Gm09	41295611	41296610	Gmdrm	hypo	CHH	-0.1176
Gm09	41296627	41296947	Gmdrm	hypo	CHH	-0.0339
Gm09	41309219	41310216	Gmdrm	hypo	CHH	-0.2611
Gm09	41311770	41311987	Gmdrm	hypo	CHH	-0.0446
Gm09	41312090	41313089	Gmdrm	hypo	CHH	-0.0264
Gm09	41313188	41314184	Gmdrm	hypo	CHH	-0.0786
Gm09	41328720	41329720	Gmdrm	hypo	CHH	-0.2123
Gm09	41332042	41333026	Gmdrm	hypo	CHH	-0.02
Gm09	41337894	41338855	Gmdrm	hypo	CHH	-0.0621
Gm09	41342932	41343917	Gmdrm	hypo	CHH	-0.0601
Gm09	41360980	41361954	Gmdrm	hypo	CHH	-0.2753
Gm09	41370847	41371844	Gmdrm	hypo	CHH	-0.0782
Gm09	41371848	41372236	Gmdrm	hypo	CHH	-0.0295
Gm09	41372347	41373340	Gmdrm	hypo	CHH	-0.034
Gm09	41379429	41380412	Gmdrm	hypo	CHH	-0.0189
Gm09	41380466	41381424	Gmdrm	hypo	CHH	-0.1289
Gm09	41391377	41392374	Gmdrm	hypo	CHH	-0.0913
Gm09	41392378	41393374	Gmdrm	hypo	CHH	-0.2577
Gm09	41400432	41401432	Gmdrm	hypo	CHH	-0.0156
Gm09	41401435	41402396	Gmdrm	hypo	CHH	-0.0592
Gm09	41413336	41414336	Gmdrm	hypo	CHH	-0.0424
Gm09	41414338	41414946	Gmdrm	hypo	CHH	-0.1355
Gm09	41415050	41416047	Gmdrm	hypo	CHH	-0.1121
Gm09	41416476	41417385	Gmdrm	hypo	CHH	-0.0166
Gm09	41428698	41429680	Gmdrm	hypo	CHH	-0.0186
Gm09	41439586	41440584	Gmdrm	hypo	CHH	-0.2306
Gm09	41440588	41441583	Gmdrm	hypo	CHH	-0.2629
Gm09	41441609	41442593	Gmdrm	hypo	CHH	-0.0997
Gm09	41443991	41444986	Gmdrm	hypo	CHH	-0.1735
Gm09	41445002	41446001	Gmdrm	hypo	CHH	-0.0352
Gm09	41446003	41446989	Gmdrm	hypo	CHH	-0.0637
Gm09	41447007	41447979	Gmdrm	hypo	CHH	-0.0207
Gm09	41449392	41449587	Gmdrm	hypo	CHH	-0.0262
Gm09	41461583	41461808	Gmdrm	hypo	CHH	-0.3214
Gm09	41462160	41463157	Gmdrm	hypo	CHH	-0.1861
Gm09	41463161	41464157	Gmdrm	hypo	CHH	-0.1274
Gm09	41474194	41475190	Gmdrm	hypo	CHH	-0.1
Gm09	41475200	41475691	Gmdrm	hypo	CHH	-0.0588
Gm09	41480878	41481472	Gmdrm	hypo	CHH	-0.0194
Gm09	41489283	41490277	Gmdrm	hypo	CHH	-0.0832

Gm09	41491291	41492250	Gmdrm	hypo	CHH	-0.13
Gm09	41498052	41499046	Gmdrm	hypo	CHH	-0.0379
Gm09	41500064	41501050	Gmdrm	hypo	CHH	-0.0771
Gm09	41501065	41501348	Gmdrm	hypo	CHH	-0.034
Gm09	41501453	41502447	Gmdrm	hypo	CHH	-0.0115
Gm09	41504425	41505413	Gmdrm	hypo	CHH	-0.0379
Gm09	41505426	41506421	Gmdrm	hypo	CHH	-0.0538
Gm09	41511455	41512452	Gmdrm	hypo	CHH	-0.1199
Gm09	41512457	41513040	Gmdrm	hypo	CHH	-0.0325
Gm09	41534098	41535094	Gmdrm	hypo	CHH	-0.0271
Gm09	41536147	41536902	Gmdrm	hypo	CHH	-0.0127
Gm09	41542379	41543370	Gmdrm	hypo	CHH	-0.0786
Gm09	41543383	41543563	Gmdrm	hypo	CHH	-0.0757
Gm09	41543675	41544673	Gmdrm	hypo	CHH	-0.0659
Gm09	41553528	41554521	Gmdrm	hypo	CHH	-0.0161
Gm09	41560859	41561858	Gmdrm	hypo	CHH	-0.2872
Gm09	41561860	41562848	Gmdrm	hypo	CHH	-0.2615
Gm09	41581811	41582012	Gmdrm	hypo	CHH	-0.0835
Gm09	41593842	41594831	Gmdrm	hypo	CHH	-0.0273
Gm09	41594844	41595808	Gmdrm	hypo	CHH	-0.2454
Gm09	41601951	41602938	Gmdrm	hypo	CHH	-0.0201
Gm09	41603984	41604979	Gmdrm	hypo	CHH	-0.0696
Gm09	41605216	41605431	Gmdrm	hypo	CHH	-0.1021
Gm09	41605743	41606361	Gmdrm	hypo	CHH	-0.0393
Gm09	41622389	41623058	Gmdrm	hypo	CHH	-0.0259
Gm09	41623332	41624310	Gmdrm	hypo	CHH	-0.0145
Gm09	41635076	41636047	Gmdrm	hypo	CHH	-0.0506
Gm09	41645850	41646829	Gmdrm	hypo	CHH	-0.2962
Gm09	41650368	41651361	Gmdrm	hypo	CHH	-0.0375
Gm09	41652411	41653367	Gmdrm	hypo	CHH	-0.0191
Gm09	41660187	41661185	Gmdrm	hypo	CHH	-0.0455
Gm09	41662193	41663173	Gmdrm	hypo	CHH	-0.0499
Gm09	41667314	41668287	Gmdrm	hypo	CHH	-0.0562
Gm09	41685259	41686234	Gmdrm	hypo	CHH	-0.0169
Gm09	41687278	41688278	Gmdrm	hypo	CHH	-0.1852
Gm09	41705031	41706028	Gmdrm	hypo	CHH	-0.0141
Gm09	41710870	41711843	Gmdrm	hypo	CHH	-0.0677
Gm09	41727234	41728230	Gmdrm	hypo	CHH	-0.1807
Gm09	41738818	41739809	Gmdrm	hypo	CHH	-0.0669
Gm09	41739819	41740809	Gmdrm	hypo	CHH	-0.0686
Gm09	41740827	41741787	Gmdrm	hypo	CHH	-0.0139
Gm09	41741842	41742828	Gmdrm	hypo	CHH	-0.0327
Gm09	41745835	41746835	Gmdrm	hypo	CHH	-0.1321
Gm09	41748854	41749836	Gmdrm	hypo	CHH	-0.1276
Gm09	41749861	41750735	Gmdrm	hypo	CHH	-0.0146
Gm09	41758648	41759640	Gmdrm	hypo	CHH	-0.0636

Gm09	41760010	41761004	Gmdrm	hypo	CHH	-0.1072
Gm09	41762959	41763956	Gmdrm	hypo	CHH	-0.088
Gm09	41763960	41764954	Gmdrm	hypo	CHH	-0.0688
Gm09	41769121	41769223	Gmdrm	hypo	CHH	-0.064
Gm09	41770821	41771766	Gmdrm	hypo	CHH	-0.0171
Gm09	41772827	41773813	Gmdrm	hypo	CHH	-0.0258
Gm09	41774994	41775437	Gmdrm	hypo	CHH	-0.0306
Gm09	41776582	41777142	Gmdrm	hypo	CHH	-0.0573
Gm09	41781465	41782275	Gmdrm	hypo	CHH	-0.0595
Gm09	41791522	41792502	Gmdrm	hypo	CHH	-0.0283
Gm09	41794546	41795531	Gmdrm	hypo	CHH	-0.0192
Gm09	41807417	41808406	Gmdrm	hypo	CHH	-0.0775
Gm09	41808437	41809433	Gmdrm	hypo	CHH	-0.0159
Gm09	41819756	41820726	Gmdrm	hypo	CHH	-0.0277
Gm09	41827943	41828919	Gmdrm	hypo	CHH	-0.0208
Gm09	41831982	41832982	Gmdrm	hypo	CHH	-0.0103
Gm09	41832992	41833912	Gmdrm	hypo	CHH	-0.0455
Gm09	41846648	41847639	Gmdrm	hypo	CHH	-0.0366
Gm09	41862518	41863509	Gmdrm	hypo	CHH	-0.2352
Gm09	41868553	41869532	Gmdrm	hypo	CHH	-0.0808
Gm09	41874651	41875613	Gmdrm	hypo	CHH	-0.0112
Gm09	41881222	41882203	Gmdrm	hypo	CHH	-0.0164
Gm09	41891507	41892486	Gmdrm	hypo	CHH	-0.0178
Gm09	41896894	41897874	Gmdrm	hypo	CHH	-0.226
Gm09	41903059	41903862	Gmdrm	hypo	CHH	-0.02
Gm09	41905986	41906985	Gmdrm	hypo	CHH	-0.0784
Gm09	41911307	41911798	Gmdrm	hypo	CHH	-0.013
Gm09	41916894	41917866	Gmdrm	hypo	CHH	-0.0213
Gm09	41919973	41920970	Gmdrm	hypo	CHH	-0.3131
Gm09	41920976	41921974	Gmdrm	hypo	CHH	-0.0517
Gm09	41935228	41936228	Gmdrm	hypo	CHH	-0.1661
Gm09	41943360	41944356	Gmdrm	hypo	CHH	-0.2426
Gm09	41944364	41944895	Gmdrm	hypo	CHH	-0.2736
Gm09	41951121	41951270	Gmdrm	hypo	CHH	-0.062
Gm09	41952456	41953456	Gmdrm	hypo	CHH	-0.17
Gm09	41953457	41954452	Gmdrm	hypo	CHH	-0.217
Gm09	41954465	41955439	Gmdrm	hypo	CHH	-0.0716
Gm09	41955483	41956466	Gmdrm	hypo	CHH	-0.1103
Gm09	41958891	41959882	Gmdrm	hypo	CHH	-0.013
Gm09	41964807	41965784	Gmdrm	hypo	CHH	-0.0335
Gm09	41973467	41974435	Gmdrm	hypo	CHH	-0.0171
Gm09	41976056	41976847	Gmdrm	hypo	CHH	-0.3136
Gm09	41987375	41988363	Gmdrm	hypo	CHH	-0.0127
Gm09	41988988	41989979	Gmdrm	hypo	CHH	-0.0202
Gm09	41993030	41994017	Gmdrm	hypo	CHH	-0.0113
Gm09	41994052	41994995	Gmdrm	hypo	CHH	-0.0116

Gm09	42002360	42003360	Gmdrm	hypo	CHH	-0.0391
Gm09	42014872	42015872	Gmdrm	hypo	CHH	-0.0806
Gm09	42042232	42043224	Gmdrm	hypo	CHH	-0.2266
Gm09	42043312	42044309	Gmdrm	hypo	CHH	-0.2319
Gm09	42051673	42052653	Gmdrm	hypo	CHH	-0.0708
Gm09	42089635	42090607	Gmdrm	hypo	CHH	-0.0425
Gm09	42092691	42093671	Gmdrm	hypo	CHH	-0.0098
Gm09	42099318	42100315	Gmdrm	hypo	CHH	-0.0169
Gm09	42124225	42125224	Gmdrm	hypo	CHH	-0.1903
Gm09	42125256	42126250	Gmdrm	hypo	CHH	-0.221
Gm09	42127120	42128095	Gmdrm	hypo	CHH	-0.0271
Gm09	42135438	42136052	Gmdrm	hypo	CHH	-0.0228
Gm09	42152829	42153818	Gmdrm	hypo	CHH	-0.0176
Gm09	42161208	42162204	Gmdrm	hypo	CHH	-0.1083
Gm09	42164219	42165215	Gmdrm	hypo	CHH	-0.0338
Gm09	42170322	42171317	Gmdrm	hypo	CHH	-0.0238
Gm09	42173764	42174741	Gmdrm	hypo	CHH	-0.0436
Gm09	42182464	42183432	Gmdrm	hypo	CHH	-0.026
Gm09	42184517	42185510	Gmdrm	hypo	CHH	-0.0309
Gm09	42186535	42187515	Gmdrm	hypo	CHH	-0.015
Gm09	42206629	42207625	Gmdrm	hypo	CHH	-0.0548
Gm09	42226607	42227602	Gmdrm	hypo	CHH	-0.0778
Gm09	42227611	42228581	Gmdrm	hypo	CHH	-0.0368
Gm09	42229825	42230824	Gmdrm	hypo	CHH	-0.0566
Gm09	42230827	42231827	Gmdrm	hypo	CHH	-0.0163
Gm09	42236099	42237069	Gmdrm	hypo	CHH	-0.024
Gm09	42248861	42249849	Gmdrm	hypo	CHH	-0.0465
Gm09	42249875	42250875	Gmdrm	hypo	CHH	-0.0849
Gm09	42257524	42258504	Gmdrm	hypo	CHH	-0.1019
Gm09	42258550	42259549	Gmdrm	hypo	CHH	-0.0533
Gm09	42275883	42276735	Gmdrm	hypo	CHH	-0.0264
Gm09	42293289	42294211	Gmdrm	hypo	CHH	-0.1119
Gm09	42294343	42295342	Gmdrm	hypo	CHH	-0.0681
Gm09	42295346	42296345	Gmdrm	hypo	CHH	-0.0682
Gm09	42312508	42313473	Gmdrm	hypo	CHH	-0.0574
Gm09	42332252	42333245	Gmdrm	hypo	CHH	-0.0222
Gm09	42334755	42335751	Gmdrm	hypo	CHH	-0.1837
Gm09	42335757	42336757	Gmdrm	hypo	CHH	-0.0595
Gm09	42336781	42337721	Gmdrm	hypo	CHH	-0.0346
Gm09	42346094	42346414	Gmdrm	hypo	CHH	-0.035
Gm09	42346986	42347952	Gmdrm	hypo	CHH	-0.0189
Gm09	42354541	42355531	Gmdrm	hypo	CHH	-0.0846
Gm09	42355547	42356544	Gmdrm	hypo	CHH	-0.0748
Gm09	42356569	42357513	Gmdrm	hypo	CHH	-0.0609
Gm09	42358478	42359476	Gmdrm	hypo	CHH	-0.0209
Gm09	42364875	42365873	Gmdrm	hypo	CHH	-0.0376

Gm09	42376582	42377579	Gmdrm	hypo	CHH	-0.0433
Gm09	42377583	42378583	Gmdrm	hypo	CHH	-0.0667
Gm09	42394104	42395100	Gmdrm	hypo	CHH	-0.0122
Gm09	42408058	42408599	Gmdrm	hypo	CHH	-0.0205
Gm09	42411579	42412555	Gmdrm	hypo	CHH	-0.0128
Gm09	42415505	42416503	Gmdrm	hypo	CHH	-0.1014
Gm09	42417689	42418686	Gmdrm	hypo	CHH	-0.0527
Gm09	42422566	42423555	Gmdrm	hypo	CHH	-0.081
Gm09	42423570	42424526	Gmdrm	hypo	CHH	-0.0137
Gm09	42431655	42432626	Gmdrm	hypo	CHH	-0.0173
Gm09	42444406	42445402	Gmdrm	hypo	CHH	-0.1012
Gm09	42445411	42446407	Gmdrm	hypo	CHH	-0.0822
Gm09	42446418	42447376	Gmdrm	hypo	CHH	-0.0373
Gm09	42458233	42458512	Gmdrm	hypo	CHH	-0.0222
Gm09	42459582	42460556	Gmdrm	hypo	CHH	-0.0141
Gm09	42462669	42463665	Gmdrm	hypo	CHH	-0.1643
Gm09	42463671	42464667	Gmdrm	hypo	CHH	-0.0855
Gm09	42467989	42468715	Gmdrm	hypo	CHH	-0.222
Gm09	42469116	42470116	Gmdrm	hypo	CHH	-0.0129
Gm09	42470667	42471642	Gmdrm	hypo	CHH	-0.0419
Gm09	42486392	42487386	Gmdrm	hypo	CHH	-0.0269
Gm09	42487403	42488391	Gmdrm	hypo	CHH	-0.0164
Gm09	42488876	42489864	Gmdrm	hypo	CHH	-0.0597
Gm09	42499590	42500449	Gmdrm	hypo	CHH	-0.0904
Gm09	42500628	42501622	Gmdrm	hypo	CHH	-0.0329
Gm09	42507004	42507990	Gmdrm	hypo	CHH	-0.0149
Gm09	42510098	42511091	Gmdrm	hypo	CHH	-0.05
Gm09	42511105	42511471	Gmdrm	hypo	CHH	-0.0221
Gm09	42512340	42512570	Gmdrm	hypo	CHH	-0.0181
Gm09	42512720	42513718	Gmdrm	hypo	CHH	-0.0276
Gm09	42523922	42524069	Gmdrm	hypo	CHH	-0.14
Gm09	42535772	42535911	Gmdrm	hypo	CHH	-0.0442
Gm09	42543142	42544136	Gmdrm	hypo	CHH	-0.0143
Gm09	42544151	42545131	Gmdrm	hypo	CHH	-0.0139
Gm09	42619479	42620476	Gmdrm	hypo	CHH	-0.0485
Gm09	42641134	42642097	Gmdrm	hypo	CHH	-0.0363
Gm09	42655546	42656542	Gmdrm	hypo	CHH	-0.0153
Gm09	42665890	42666883	Gmdrm	hypo	CHH	-0.0723
Gm09	42676872	42677869	Gmdrm	hypo	CHH	-0.0148
Gm09	42677873	42678854	Gmdrm	hypo	CHH	-0.0418
Gm09	42708870	42709867	Gmdrm	hypo	CHH	-0.0842
Gm09	42709882	42710847	Gmdrm	hypo	CHH	-0.0503
Gm09	42712023	42712808	Gmdrm	hypo	CHH	-0.0291
Gm09	42715992	42716984	Gmdrm	hypo	CHH	-0.0188
Gm09	42720431	42721429	Gmdrm	hypo	CHH	-0.2302
Gm09	42721436	42722421	Gmdrm	hypo	CHH	-0.275

Gm09	42747412	42748412	Gmdrm	hypo	CHH	-0.0343
Gm09	42754891	42755475	Gmdrm	hypo	CHH	-0.1978
Gm09	42755763	42756734	Gmdrm	hypo	CHH	-0.0387
Gm09	42765087	42766086	Gmdrm	hypo	CHH	-0.1356
Gm09	42776426	42776745	Gmdrm	hypo	CHH	-0.3808
Gm09	42776859	42777855	Gmdrm	hypo	CHH	-0.2961
Gm09	42777868	42778866	Gmdrm	hypo	CHH	-0.3061
Gm09	42792405	42793396	Gmdrm	hypo	CHH	-0.0189
Gm09	42797037	42798022	Gmdrm	hypo	CHH	-0.0959
Gm09	42798038	42799015	Gmdrm	hypo	CHH	-0.1283
Gm09	42804153	42804826	Gmdrm	hypo	CHH	-0.0895
Gm09	42810458	42811436	Gmdrm	hypo	CHH	-0.0706
Gm09	42818590	42819586	Gmdrm	hypo	CHH	-0.0368
Gm09	42819594	42820575	Gmdrm	hypo	CHH	-0.0652
Gm09	42820600	42821576	Gmdrm	hypo	CHH	-0.1015
Gm09	42827905	42828864	Gmdrm	hypo	CHH	-0.0676
Gm09	42832131	42833124	Gmdrm	hypo	CHH	-0.0145
Gm09	42837187	42838171	Gmdrm	hypo	CHH	-0.0156
Gm09	42843310	42844310	Gmdrm	hypo	CHH	-0.0482
Gm09	42844314	42845312	Gmdrm	hypo	CHH	-0.06
Gm09	42845318	42846311	Gmdrm	hypo	CHH	-0.0514
Gm09	42850351	42851351	Gmdrm	hypo	CHH	-0.2296
Gm09	42853393	42854061	Gmdrm	hypo	CHH	-0.0274
Gm09	42857889	42858884	Gmdrm	hypo	CHH	-0.0178
Gm09	42861928	42862911	Gmdrm	hypo	CHH	-0.0651
Gm09	42871549	42872543	Gmdrm	hypo	CHH	-0.0228
Gm09	42884167	42885006	Gmdrm	hypo	CHH	-0.0159
Gm09	42886247	42886756	Gmdrm	hypo	CHH	-0.0175
Gm09	42896511	42896721	Gmdrm	hypo	CHH	-0.1522
Gm09	42911587	42912584	Gmdrm	hypo	CHH	-0.0147
Gm09	42912588	42913575	Gmdrm	hypo	CHH	-0.0966
Gm09	42917655	42918654	Gmdrm	hypo	CHH	-0.0684
Gm09	42918664	42919654	Gmdrm	hypo	CHH	-0.0336
Gm09	42919675	42920653	Gmdrm	hypo	CHH	-0.0193
Gm09	42920678	42921672	Gmdrm	hypo	CHH	-0.0863
Gm09	42921685	42922683	Gmdrm	hypo	CHH	-0.064
Gm09	42922686	42923686	Gmdrm	hypo	CHH	-0.0483
Gm09	42923691	42924691	Gmdrm	hypo	CHH	-0.0182
Gm09	42944246	42945242	Gmdrm	hypo	CHH	-0.0562
Gm09	42945259	42946259	Gmdrm	hypo	CHH	-0.0772
Gm09	42946262	42947253	Gmdrm	hypo	CHH	-0.0324
Gm09	42947270	42948261	Gmdrm	hypo	CHH	-0.02
Gm09	42948396	42949365	Gmdrm	hypo	CHH	-0.012
Gm09	42952381	42952551	Gmdrm	hypo	CHH	-0.0633
Gm09	42966044	42966425	Gmdrm	hypo	CHH	-0.0472
Gm09	42966822	42967808	Gmdrm	hypo	CHH	-0.0389

Gm09	42979429	42980429	Gmdrm	hypo	CHH	-0.0253
Gm09	42985544	42986543	Gmdrm	hypo	CHH	-0.0168
Gm09	42995982	42996616	Gmdrm	hypo	CHH	-0.0325
Gm09	42997100	42998067	Gmdrm	hypo	CHH	-0.0145
Gm09	43008259	43009258	Gmdrm	hypo	CHH	-0.0263
Gm09	43010279	43011057	Gmdrm	hypo	CHH	-0.0504
Gm09	43011173	43012157	Gmdrm	hypo	CHH	-0.0756
Gm09	43015051	43016040	Gmdrm	hypo	CHH	-0.0134
Gm09	43017089	43018088	Gmdrm	hypo	CHH	-0.0406
Gm09	43018095	43019095	Gmdrm	hypo	CHH	-0.1111
Gm09	43019100	43020084	Gmdrm	hypo	CHH	-0.0355
Gm09	43046153	43047125	Gmdrm	hypo	CHH	-0.1628
Gm09	43052105	43053102	Gmdrm	hypo	CHH	-0.0777
Gm09	43053107	43053191	Gmdrm	hypo	CHH	-0.1658
Gm09	43061880	43062875	Gmdrm	hypo	CHH	-0.0573
Gm09	43064094	43065086	Gmdrm	hypo	CHH	-0.0195
Gm09	43093858	43094840	Gmdrm	hypo	CHH	-0.038
Gm09	43097929	43098922	Gmdrm	hypo	CHH	-0.0645
Gm09	43098930	43099928	Gmdrm	hypo	CHH	-0.0369
Gm09	43099935	43100930	Gmdrm	hypo	CHH	-0.0358
Gm09	43100961	43101584	Gmdrm	hypo	CHH	-0.02
Gm09	43105343	43106342	Gmdrm	hypo	CHH	-0.0905
Gm09	43106344	43107321	Gmdrm	hypo	CHH	-0.0495
Gm09	43107350	43108346	Gmdrm	hypo	CHH	-0.0492
Gm09	43110283	43111274	Gmdrm	hypo	CHH	-0.0211
Gm09	43112329	43113319	Gmdrm	hypo	CHH	-0.1366
Gm09	43113330	43113669	Gmdrm	hypo	CHH	-0.2247
Gm09	43117191	43118173	Gmdrm	hypo	CHH	-0.1049
Gm09	43119793	43120790	Gmdrm	hypo	CHH	-0.2892
Gm09	43120805	43121800	Gmdrm	hypo	CHH	-0.0385
Gm09	43123677	43124669	Gmdrm	hypo	CHH	-0.0119
Gm09	43128516	43129478	Gmdrm	hypo	CHH	-0.0159
Gm09	43131727	43131847	Gmdrm	hypo	CHH	-0.068
Gm09	43133853	43134852	Gmdrm	hypo	CHH	-0.0688
Gm09	43137176	43138156	Gmdrm	hypo	CHH	-0.0235
Gm09	43139414	43140410	Gmdrm	hypo	CHH	-0.0171
Gm09	43146541	43146834	Gmdrm	hypo	CHH	-0.042
Gm09	43148925	43149911	Gmdrm	hypo	CHH	-0.1278
Gm09	43151948	43152946	Gmdrm	hypo	CHH	-0.0366
Gm09	43153952	43154944	Gmdrm	hypo	CHH	-0.0392
Gm09	43156857	43157850	Gmdrm	hypo	CHH	-0.0123
Gm09	43170215	43171202	Gmdrm	hypo	CHH	-0.0809
Gm09	43171218	43172217	Gmdrm	hypo	CHH	-0.0754
Gm09	43173279	43174279	Gmdrm	hypo	CHH	-0.0138
Gm09	43178497	43179485	Gmdrm	hypo	CHH	-0.046
Gm09	43183242	43183500	Gmdrm	hypo	CHH	-0.041

Gm09	43189605	43190598	Gmdrm	hypo	CHH	-0.1064
Gm09	43190607	43191603	Gmdrm	hypo	CHH	-0.0415
Gm09	43204033	43204800	Gmdrm	hypo	CHH	-0.035
Gm09	43205324	43206217	Gmdrm	hypo	CHH	-0.1361
Gm09	43213468	43214460	Gmdrm	hypo	CHH	-0.1416
Gm09	43214490	43215488	Gmdrm	hypo	CHH	-0.2113
Gm09	43215493	43216070	Gmdrm	hypo	CHH	-0.2215
Gm09	43219246	43220245	Gmdrm	hypo	CHH	-0.0385
Gm09	43220247	43221244	Gmdrm	hypo	CHH	-0.1048
Gm09	43232787	43232908	Gmdrm	hypo	CHH	-0.1437
Gm09	43252075	43253049	Gmdrm	hypo	CHH	-0.0206
Gm09	43258842	43259607	Gmdrm	hypo	CHH	-0.268
Gm09	43259773	43260772	Gmdrm	hypo	CHH	-0.0554
Gm09	43262464	43262675	Gmdrm	hypo	CHH	-0.2577
Gm09	43266044	43267044	Gmdrm	hypo	CHH	-0.0215
Gm09	43288897	43289892	Gmdrm	hypo	CHH	-0.0204
Gm09	43307314	43307901	Gmdrm	hypo	CHH	-0.0185
Gm09	43337459	43338445	Gmdrm	hypo	CHH	-0.1264
Gm09	43348910	43349909	Gmdrm	hypo	CHH	-0.1637
Gm09	43349919	43350915	Gmdrm	hypo	CHH	-0.0411
Gm09	43350935	43351934	Gmdrm	hypo	CHH	-0.0808
Gm09	43351938	43352931	Gmdrm	hypo	CHH	-0.0854
Gm09	43366213	43367204	Gmdrm	hypo	CHH	-0.2342
Gm09	43373710	43374695	Gmdrm	hypo	CHH	-0.0198
Gm09	43379466	43380461	Gmdrm	hypo	CHH	-0.0199
Gm09	43386678	43387677	Gmdrm	hypo	CHH	-0.1729
Gm09	43387679	43388641	Gmdrm	hypo	CHH	-0.0758
Gm09	43396917	43397914	Gmdrm	hypo	CHH	-0.0435
Gm09	43397929	43398901	Gmdrm	hypo	CHH	-0.0466
Gm09	43414568	43415568	Gmdrm	hypo	CHH	-0.0543
Gm09	43415573	43416549	Gmdrm	hypo	CHH	-0.0517
Gm09	43416574	43417565	Gmdrm	hypo	CHH	-0.0943
Gm09	43417599	43418599	Gmdrm	hypo	CHH	-0.3314
Gm09	43422911	43423892	Gmdrm	hypo	CHH	-0.0375
Gm09	43424947	43425945	Gmdrm	hypo	CHH	-0.1276
Gm09	43427006	43427996	Gmdrm	hypo	CHH	-0.0328
Gm09	43430121	43431118	Gmdrm	hypo	CHH	-0.0633
Gm09	43431133	43432125	Gmdrm	hypo	CHH	-0.0664
Gm09	43432138	43432961	Gmdrm	hypo	CHH	-0.0634
Gm09	43435545	43436537	Gmdrm	hypo	CHH	-0.0158
Gm09	43438652	43439648	Gmdrm	hypo	CHH	-0.038
Gm09	43440611	43441605	Gmdrm	hypo	CHH	-0.0766
Gm09	43441620	43442022	Gmdrm	hypo	CHH	-0.0632
Gm09	43448987	43449962	Gmdrm	hypo	CHH	-0.0191
Gm09	43463586	43464585	Gmdrm	hypo	CHH	-0.02
Gm09	43464589	43465272	Gmdrm	hypo	CHH	-0.0346

Gm09	43473049	43474041	Gmdrm	hypo	CHH	-0.0461
Gm09	43474053	43475045	Gmdrm	hypo	CHH	-0.073
Gm09	43502570	43503566	Gmdrm	hypo	CHH	-0.0322
Gm09	43503574	43504574	Gmdrm	hypo	CHH	-0.1083
Gm09	43504578	43505568	Gmdrm	hypo	CHH	-0.0185
Gm09	43508106	43509105	Gmdrm	hypo	CHH	-0.1514
Gm09	43521088	43522061	Gmdrm	hypo	CHH	-0.0159
Gm09	43523880	43524876	Gmdrm	hypo	CHH	-0.0692
Gm09	43534868	43535865	Gmdrm	hypo	CHH	-0.0129
Gm09	43547020	43548015	Gmdrm	hypo	CHH	-0.0929
Gm09	43555814	43556768	Gmdrm	hypo	CHH	-0.1199
Gm09	43563792	43564168	Gmdrm	hypo	CHH	-0.0169
Gm09	43565391	43566379	Gmdrm	hypo	CHH	-0.0247
Gm09	43573573	43574563	Gmdrm	hypo	CHH	-0.0211
Gm09	43579057	43579207	Gmdrm	hypo	CHH	-0.0358
Gm09	43580187	43581179	Gmdrm	hypo	CHH	-0.0323
Gm09	43581188	43582185	Gmdrm	hypo	CHH	-0.1232
Gm09	43583545	43584545	Gmdrm	hypo	CHH	-0.0577
Gm09	43593875	43594324	Gmdrm	hypo	CHH	-0.0209
Gm09	43603864	43604853	Gmdrm	hypo	CHH	-0.0122
Gm09	43633099	43634058	Gmdrm	hypo	CHH	-0.015
Gm09	43637117	43638109	Gmdrm	hypo	CHH	-0.0192
Gm09	43640746	43641743	Gmdrm	hypo	CHH	-0.017
Gm09	43642781	43643771	Gmdrm	hypo	CHH	-0.0268
Gm09	43666974	43667578	Gmdrm	hypo	CHH	-0.1031
Gm09	43670811	43671155	Gmdrm	hypo	CHH	-0.0769
Gm09	43671277	43672263	Gmdrm	hypo	CHH	-0.0413
Gm09	43672286	43673027	Gmdrm	hypo	CHH	-0.0396
Gm09	43677697	43678676	Gmdrm	hypo	CHH	-0.0186
Gm09	43696863	43697863	Gmdrm	hypo	CHH	-0.2688
Gm09	43697864	43698862	Gmdrm	hypo	CHH	-0.0116
Gm09	43699396	43700395	Gmdrm	hypo	CHH	-0.0206
Gm09	43732444	43733421	Gmdrm	hypo	CHH	-0.0118
Gm09	43748318	43749289	Gmdrm	hypo	CHH	-0.1917
Gm09	43770329	43771267	Gmdrm	hypo	CHH	-0.0131
Gm09	43776285	43777158	Gmdrm	hypo	CHH	-0.0171
Gm09	43789412	43790410	Gmdrm	hypo	CHH	-0.1553
Gm09	43790413	43791337	Gmdrm	hypo	CHH	-0.181
Gm09	43799666	43800664	Gmdrm	hypo	CHH	-0.09
Gm09	43800671	43800951	Gmdrm	hypo	CHH	-0.1473
Gm09	43801054	43801846	Gmdrm	hypo	CHH	-0.2032
Gm09	43810630	43811630	Gmdrm	hypo	CHH	-0.0819
Gm09	43811661	43812658	Gmdrm	hypo	CHH	-0.0644
Gm09	43813686	43814302	Gmdrm	hypo	CHH	-0.1251
Gm09	43814410	43815145	Gmdrm	hypo	CHH	-0.1173
Gm09	43816262	43817070	Gmdrm	hypo	CHH	-0.166

Gm09	43828292	43829255	Gmdrm	hypo	CHH	-0.0298
Gm09	43829294	43830273	Gmdrm	hypo	CHH	-0.1414
Gm09	43835049	43836041	Gmdrm	hypo	CHH	-0.0815
Gm09	43840099	43841098	Gmdrm	hypo	CHH	-0.2045
Gm09	43841115	43841460	Gmdrm	hypo	CHH	-0.043
Gm09	43844678	43844904	Gmdrm	hypo	CHH	-0.0512
Gm09	43845508	43846508	Gmdrm	hypo	CHH	-0.0171
Gm09	43852405	43853394	Gmdrm	hypo	CHH	-0.0201
Gm09	43858286	43859285	Gmdrm	hypo	CHH	-0.0163
Gm09	43862200	43863170	Gmdrm	hypo	CHH	-0.2004
Gm09	43867478	43868435	Gmdrm	hypo	CHH	-0.0258
Gm09	43877440	43878361	Gmdrm	hypo	CHH	-0.0218
Gm09	43883081	43884062	Gmdrm	hypo	CHH	-0.0529
Gm09	43884088	43885080	Gmdrm	hypo	CHH	-0.0392
Gm09	43885099	43886077	Gmdrm	hypo	CHH	-0.0305
Gm09	43892450	43893429	Gmdrm	hypo	CHH	-0.035
Gm09	43897547	43898542	Gmdrm	hypo	CHH	-0.0134
Gm09	43909536	43909663	Gmdrm	hypo	CHH	-0.05
Gm09	43911094	43912094	Gmdrm	hypo	CHH	-0.0165
Gm09	43912122	43913110	Gmdrm	hypo	CHH	-0.015
Gm09	43913124	43914120	Gmdrm	hypo	CHH	-0.0602
Gm09	43914136	43915130	Gmdrm	hypo	CHH	-0.0112
Gm09	43918329	43919316	Gmdrm	hypo	CHH	-0.0327
Gm09	43948531	43949483	Gmdrm	hypo	CHH	-0.031
Gm09	43962383	43963364	Gmdrm	hypo	CHH	-0.2529
Gm09	43979113	43980059	Gmdrm	hypo	CHH	-0.1279
Gm09	43986726	43987725	Gmdrm	hypo	CHH	-0.0365
Gm09	43995604	43996585	Gmdrm	hypo	CHH	-0.0204
Gm09	43998245	43998798	Gmdrm	hypo	CHH	-0.0632
Gm09	44013080	44014076	Gmdrm	hypo	CHH	-0.1588
Gm09	44015128	44015448	Gmdrm	hypo	CHH	-0.0441
Gm09	44015779	44016773	Gmdrm	hypo	CHH	-0.1434
Gm09	44016781	44017757	Gmdrm	hypo	CHH	-0.1251
Gm09	44045980	44046623	Gmdrm	hypo	CHH	-0.0298
Gm09	44083930	44084352	Gmdrm	hypo	CHH	-0.0267
Gm09	44094769	44095753	Gmdrm	hypo	CHH	-0.035
Gm09	44120949	44121948	Gmdrm	hypo	CHH	-0.012
Gm09	44128431	44129421	Gmdrm	hypo	CHH	-0.0174
Gm09	44133115	44134110	Gmdrm	hypo	CHH	-0.0703
Gm09	44134123	44135123	Gmdrm	hypo	CHH	-0.0454
Gm09	44135129	44135615	Gmdrm	hypo	CHH	-0.0217
Gm09	44135719	44136289	Gmdrm	hypo	CHH	-0.0238
Gm09	44137678	44138674	Gmdrm	hypo	CHH	-0.0315
Gm09	44138692	44139689	Gmdrm	hypo	CHH	-0.0656
Gm09	44139695	44140690	Gmdrm	hypo	CHH	-0.0349
Gm09	44140698	44141697	Gmdrm	hypo	CHH	-0.0479

Gm09	44151681	44151857	Gmdrm	hypo	CHH	-0.0667
Gm09	44158201	44159183	Gmdrm	hypo	CHH	-0.0206
Gm09	44181223	44182201	Gmdrm	hypo	CHH	-0.0138
Gm09	44182228	44183226	Gmdrm	hypo	CHH	-0.0918
Gm09	44189690	44190677	Gmdrm	hypo	CHH	-0.1211
Gm09	44237156	44238154	Gmdrm	hypo	CHH	-0.0335
Gm09	44244951	44245951	Gmdrm	hypo	CHH	-0.0129
Gm09	44245952	44246923	Gmdrm	hypo	CHH	-0.0117
Gm09	44259684	44260043	Gmdrm	hypo	CHH	-0.0261
Gm09	44275565	44276563	Gmdrm	hypo	CHH	-0.2498
Gm09	44276567	44277566	Gmdrm	hypo	CHH	-0.2779
Gm09	44279484	44280473	Gmdrm	hypo	CHH	-0.0772
Gm09	44314749	44315738	Gmdrm	hypo	CHH	-0.0295
Gm09	44315773	44316772	Gmdrm	hypo	CHH	-0.0395
Gm09	44316785	44317428	Gmdrm	hypo	CHH	-0.0369
Gm09	44323642	44324621	Gmdrm	hypo	CHH	-0.0279
Gm09	44326691	44327672	Gmdrm	hypo	CHH	-0.0271
Gm09	44340278	44341257	Gmdrm	hypo	CHH	-0.0542
Gm09	44341283	44342282	Gmdrm	hypo	CHH	-0.0224
Gm09	44342285	44343221	Gmdrm	hypo	CHH	-0.0286
Gm09	44351482	44352477	Gmdrm	hypo	CHH	-0.0666
Gm09	44352485	44353453	Gmdrm	hypo	CHH	-0.0595
Gm09	44360027	44361027	Gmdrm	hypo	CHH	-0.0115
Gm09	44373502	44374497	Gmdrm	hypo	CHH	-0.0379
Gm09	44380476	44381476	Gmdrm	hypo	CHH	-0.151
Gm09	44381485	44382450	Gmdrm	hypo	CHH	-0.0122
Gm09	44382487	44383160	Gmdrm	hypo	CHH	-0.0942
Gm09	44383274	44384257	Gmdrm	hypo	CHH	-0.031
Gm09	44395368	44395714	Gmdrm	hypo	CHH	-0.2967
Gm09	44395973	44396861	Gmdrm	hypo	CHH	-0.1838
Gm09	44397271	44398270	Gmdrm	hypo	CHH	-0.1891
Gm09	44405804	44405974	Gmdrm	hypo	CHH	-0.0293
Gm09	44432964	44433936	Gmdrm	hypo	CHH	-0.0797
Gm09	44436801	44437796	Gmdrm	hypo	CHH	-0.0229
Gm09	44437804	44438803	Gmdrm	hypo	CHH	-0.0713
Gm09	44449379	44450373	Gmdrm	hypo	CHH	-0.0167
Gm09	44451413	44452391	Gmdrm	hypo	CHH	-0.0196
Gm09	44452441	44453433	Gmdrm	hypo	CHH	-0.156
Gm09	44453455	44454150	Gmdrm	hypo	CHH	-0.0616
Gm09	44464452	44465039	Gmdrm	hypo	CHH	-0.09
Gm09	44484504	44485503	Gmdrm	hypo	CHH	-0.0231
Gm09	44485508	44486499	Gmdrm	hypo	CHH	-0.0223
Gm09	44506161	44507159	Gmdrm	hypo	CHH	-0.0642
Gm09	44507169	44508167	Gmdrm	hypo	CHH	-0.0664
Gm09	44515125	44516116	Gmdrm	hypo	CHH	-0.0387
Gm09	44518017	44518997	Gmdrm	hypo	CHH	-0.0147

Gm09	44522225	44523211	Gmdrm	hypo	CHH	-0.0452
Gm09	44532680	44533654	Gmdrm	hypo	CHH	-0.0235
Gm09	44533693	44534689	Gmdrm	hypo	CHH	-0.0085
Gm09	44546029	44547024	Gmdrm	hypo	CHH	-0.0474
Gm09	44549059	44550052	Gmdrm	hypo	CHH	-0.0651
Gm09	44550069	44551058	Gmdrm	hypo	CHH	-0.1402
Gm09	44551083	44552033	Gmdrm	hypo	CHH	-0.035
Gm09	44558249	44559039	Gmdrm	hypo	CHH	-0.0118
Gm09	44559410	44560398	Gmdrm	hypo	CHH	-0.0186
Gm09	44565433	44566433	Gmdrm	hypo	CHH	-0.0121
Gm09	44580629	44581610	Gmdrm	hypo	CHH	-0.0132
Gm09	44581631	44582209	Gmdrm	hypo	CHH	-0.1118
Gm09	44582365	44583352	Gmdrm	hypo	CHH	-0.3585
Gm09	44585137	44585691	Gmdrm	hypo	CHH	-0.0326
Gm09	44593865	44594858	Gmdrm	hypo	CHH	-0.0691
Gm09	44594872	44595870	Gmdrm	hypo	CHH	-0.0977
Gm09	44595881	44596856	Gmdrm	hypo	CHH	-0.0261
Gm09	44612276	44612326	Gmdrm	hypo	CHH	-0.0175
Gm09	44612475	44613219	Gmdrm	hypo	CHH	-0.043
Gm09	44618038	44619037	Gmdrm	hypo	CHH	-0.0215
Gm09	44635687	44636669	Gmdrm	hypo	CHH	-0.4183
Gm09	44639169	44640161	Gmdrm	hypo	CHH	-0.0995
Gm09	44640175	44641034	Gmdrm	hypo	CHH	-0.0902
Gm09	44646583	44647036	Gmdrm	hypo	CHH	-0.1804
Gm09	44652816	44653800	Gmdrm	hypo	CHH	-0.1276
Gm09	44653817	44654817	Gmdrm	hypo	CHH	-0.0813
Gm09	44659938	44660806	Gmdrm	hypo	CHH	-0.0235
Gm09	44661888	44662873	Gmdrm	hypo	CHH	-0.0135
Gm09	44662895	44663885	Gmdrm	hypo	CHH	-0.0152
Gm09	44666937	44667936	Gmdrm	hypo	CHH	-0.0126
Gm09	44670992	44671979	Gmdrm	hypo	CHH	-0.0377
Gm09	44676864	44677511	Gmdrm	hypo	CHH	-0.3142
Gm09	44677671	44678659	Gmdrm	hypo	CHH	-0.2703
Gm09	44678690	44679071	Gmdrm	hypo	CHH	-0.0368
Gm09	44714552	44715545	Gmdrm	hypo	CHH	-0.0362
Gm09	44724514	44725512	Gmdrm	hypo	CHH	-0.0316
Gm09	44739300	44740294	Gmdrm	hypo	CHH	-0.0703
Gm09	44744057	44745047	Gmdrm	hypo	CHH	-0.0232
Gm09	44745082	44745139	Gmdrm	hypo	CHH	-0.046
Gm09	44783934	44784659	Gmdrm	hypo	CHH	-0.033
Gm09	44790158	44790704	Gmdrm	hypo	CHH	-0.0231
Gm09	44794541	44795533	Gmdrm	hypo	CHH	-0.0165
Gm09	44800468	44800962	Gmdrm	hypo	CHH	-0.0236
Gm09	44804879	44805853	Gmdrm	hypo	CHH	-0.0215
Gm09	44810421	44811416	Gmdrm	hypo	CHH	-0.0224
Gm09	44811435	44812422	Gmdrm	hypo	CHH	-0.083

Gm09	44831580	44831798	Gmdrm	hypo	CHH	-0.104
Gm09	44833282	44834278	Gmdrm	hypo	CHH	-0.1247
Gm09	44834285	44835285	Gmdrm	hypo	CHH	-0.0802
Gm09	44839997	44840994	Gmdrm	hypo	CHH	-0.0164
Gm09	44843004	44843983	Gmdrm	hypo	CHH	-0.0119
Gm09	44850823	44851101	Gmdrm	hypo	CHH	-0.0607
Gm09	44855536	44856531	Gmdrm	hypo	CHH	-0.2565
Gm09	44857557	44858557	Gmdrm	hypo	CHH	-0.2287
Gm09	44858569	44859029	Gmdrm	hypo	CHH	-0.4214
Gm09	44859133	44860071	Gmdrm	hypo	CHH	-0.0175
Gm09	44862174	44863148	Gmdrm	hypo	CHH	-0.1222
Gm09	44870603	44871602	Gmdrm	hypo	CHH	-0.0228
Gm09	44871614	44872600	Gmdrm	hypo	CHH	-0.0965
Gm09	44877807	44878807	Gmdrm	hypo	CHH	-0.0294
Gm09	44883403	44884394	Gmdrm	hypo	CHH	-0.0147
Gm09	44885414	44885716	Gmdrm	hypo	CHH	-0.0824
Gm09	44892642	44893443	Gmdrm	hypo	CHH	-0.0237
Gm09	44893890	44894888	Gmdrm	hypo	CHH	-0.0144
Gm09	44894892	44895866	Gmdrm	hypo	CHH	-0.0137
Gm09	44896175	44897166	Gmdrm	hypo	CHH	-0.0592
Gm09	44898245	44899221	Gmdrm	hypo	CHH	-0.0863
Gm09	44899346	44900328	Gmdrm	hypo	CHH	-0.0334
Gm09	44905302	44906302	Gmdrm	hypo	CHH	-0.0865
Gm09	44906305	44906728	Gmdrm	hypo	CHH	-0.1493
Gm09	44925778	44926761	Gmdrm	hypo	CHH	-0.077
Gm09	44926781	44927754	Gmdrm	hypo	CHH	-0.0687
Gm09	44931734	44932730	Gmdrm	hypo	CHH	-0.0204
Gm09	44941675	44942671	Gmdrm	hypo	CHH	-0.0141
Gm09	44948514	44949511	Gmdrm	hypo	CHH	-0.155
Gm09	44949515	44950496	Gmdrm	hypo	CHH	-0.1723
Gm09	44958665	44959640	Gmdrm	hypo	CHH	-0.0815
Gm09	44959671	44960118	Gmdrm	hypo	CHH	-0.0313
Gm09	44960574	44961570	Gmdrm	hypo	CHH	-0.049
Gm09	44961577	44962540	Gmdrm	hypo	CHH	-0.2601
Gm09	44965853	44966838	Gmdrm	hypo	CHH	-0.012
Gm09	44971364	44972364	Gmdrm	hypo	CHH	-0.0398
Gm09	44972367	44973365	Gmdrm	hypo	CHH	-0.0512
Gm09	44974378	44974800	Gmdrm	hypo	CHH	-0.0374
Gm09	44975062	44976017	Gmdrm	hypo	CHH	-0.0353
Gm09	44979002	44979981	Gmdrm	hypo	CHH	-0.1206
Gm09	44981860	44982858	Gmdrm	hypo	CHH	-0.0255
Gm09	44985192	44986177	Gmdrm	hypo	CHH	-0.036
Gm09	44986216	44986535	Gmdrm	hypo	CHH	-0.0722
Gm09	44986740	44987730	Gmdrm	hypo	CHH	-0.0087
Gm09	45003035	45004026	Gmdrm	hypo	CHH	-0.0167
Gm09	45048524	45049524	Gmdrm	hypo	CHH	-0.0334

Gm09	45056033	45057025	Gmdrm	hypo	CHH	-0.0136
Gm09	45062492	45063484	Gmdrm	hypo	CHH	-0.0128
Gm09	45068398	45068857	Gmdrm	hypo	CHH	-0.0212
Gm09	45072078	45072920	Gmdrm	hypo	CHH	-0.0378
Gm09	45079190	45080181	Gmdrm	hypo	CHH	-0.0258
Gm09	45080199	45081195	Gmdrm	hypo	CHH	-0.0922
Gm09	45081200	45081738	Gmdrm	hypo	CHH	-0.0561
Gm09	45082201	45083182	Gmdrm	hypo	CHH	-0.2209
Gm09	45092638	45093637	Gmdrm	hypo	CHH	-0.0104
Gm09	45093661	45094648	Gmdrm	hypo	CHH	-0.0639
Gm09	45094665	45095655	Gmdrm	hypo	CHH	-0.0158
Gm09	45098711	45099703	Gmdrm	hypo	CHH	-0.0545
Gm09	45109328	45110325	Gmdrm	hypo	CHH	-0.0193
Gm09	45110356	45111260	Gmdrm	hypo	CHH	-0.0863
Gm09	45111403	45112389	Gmdrm	hypo	CHH	-0.0462
Gm09	45115819	45116817	Gmdrm	hypo	CHH	-0.0474
Gm09	45116820	45117820	Gmdrm	hypo	CHH	-0.025
Gm09	45117967	45118963	Gmdrm	hypo	CHH	-0.1662
Gm09	45118972	45119959	Gmdrm	hypo	CHH	-0.0225
Gm09	45121203	45122202	Gmdrm	hypo	CHH	-0.025
Gm09	45128794	45129782	Gmdrm	hypo	CHH	-0.2813
Gm09	45129797	45130774	Gmdrm	hypo	CHH	-0.1878
Gm09	45131388	45132386	Gmdrm	hypo	CHH	-0.0154
Gm09	45134849	45135849	Gmdrm	hypo	CHH	-0.1049
Gm09	45135857	45136832	Gmdrm	hypo	CHH	-0.1014
Gm09	45136875	45137867	Gmdrm	hypo	CHH	-0.0444
Gm09	45137887	45138881	Gmdrm	hypo	CHH	-0.0727
Gm09	45138893	45139892	Gmdrm	hypo	CHH	-0.0138
Gm09	45141926	45142903	Gmdrm	hypo	CHH	-0.0177
Gm09	45146673	45147292	Gmdrm	hypo	CHH	-0.0769
Gm09	45147394	45148393	Gmdrm	hypo	CHH	-0.1134
Gm09	45170571	45170801	Gmdrm	hypo	CHH	-0.0425
Gm09	45182201	45183192	Gmdrm	hypo	CHH	-0.0493
Gm09	45196767	45197758	Gmdrm	hypo	CHH	-0.0217
Gm09	45215098	45216098	Gmdrm	hypo	CHH	-0.0779
Gm09	45221321	45222300	Gmdrm	hypo	CHH	-0.015
Gm09	45233893	45234876	Gmdrm	hypo	CHH	-0.0144
Gm09	45237942	45237995	Gmdrm	hypo	CHH	-0.038
Gm09	45243753	45244752	Gmdrm	hypo	CHH	-0.0707
Gm09	45251378	45251667	Gmdrm	hypo	CHH	-0.0766
Gm09	45261695	45262691	Gmdrm	hypo	CHH	-0.0093
Gm09	45262913	45263049	Gmdrm	hypo	CHH	-0.0467
Gm09	45271477	45272155	Gmdrm	hypo	CHH	-0.1316
Gm09	45272262	45273261	Gmdrm	hypo	CHH	-0.0437
Gm09	45273277	45274267	Gmdrm	hypo	CHH	-0.0555
Gm09	45280717	45281690	Gmdrm	hypo	CHH	-0.022

Gm09	45285778	45286734	Gmdrm	hypo	CHH	-0.0166
Gm09	45293768	45294754	Gmdrm	hypo	CHH	-0.1816
Gm09	45294770	45295763	Gmdrm	hypo	CHH	-0.1782
Gm09	45295779	45296765	Gmdrm	hypo	CHH	-0.0564
Gm09	45304408	45305383	Gmdrm	hypo	CHH	-0.2077
Gm09	45305414	45306410	Gmdrm	hypo	CHH	-0.3111
Gm09	45306421	45306626	Gmdrm	hypo	CHH	-0.325
Gm09	45308948	45309937	Gmdrm	hypo	CHH	-0.0254
Gm09	45322229	45323226	Gmdrm	hypo	CHH	-0.0158
Gm09	45323235	45324217	Gmdrm	hypo	CHH	-0.0582
Gm09	45333586	45334483	Gmdrm	hypo	CHH	-0.2487
Gm09	45344181	45344954	Gmdrm	hypo	CHH	-0.0295
Gm09	45351583	45352568	Gmdrm	hypo	CHH	-0.1316
Gm09	45354240	45355236	Gmdrm	hypo	CHH	-0.0613
Gm09	45356446	45357439	Gmdrm	hypo	CHH	-0.0372
Gm09	45364424	45365240	Gmdrm	hypo	CHH	-0.1218
Gm09	45379481	45380480	Gmdrm	hypo	CHH	-0.09
Gm09	45380484	45380821	Gmdrm	hypo	CHH	-0.1145
Gm09	45389163	45390162	Gmdrm	hypo	CHH	-0.0158
Gm09	45390179	45391172	Gmdrm	hypo	CHH	-0.2146
Gm09	45392187	45393159	Gmdrm	hypo	CHH	-0.0546
Gm09	45397533	45398486	Gmdrm	hypo	CHH	-0.0679
Gm09	45410420	45411376	Gmdrm	hypo	CHH	-0.0221
Gm09	45421407	45422316	Gmdrm	hypo	CHH	-0.017
Gm09	45452131	45453127	Gmdrm	hypo	CHH	-0.0211
Gm09	45458909	45459909	Gmdrm	hypo	CHH	-0.3519
Gm09	45459911	45460899	Gmdrm	hypo	CHH	-0.1865
Gm09	45460920	45461919	Gmdrm	hypo	CHH	-0.1412
Gm09	45466198	45467198	Gmdrm	hypo	CHH	-0.0931
Gm09	45476712	45477624	Gmdrm	hypo	CHH	-0.3103
Gm09	45487282	45488272	Gmdrm	hypo	CHH	-0.0162
Gm09	45489820	45490813	Gmdrm	hypo	CHH	-0.01
Gm09	45494235	45495234	Gmdrm	hypo	CHH	-0.2531
Gm09	45500879	45501854	Gmdrm	hypo	CHH	-0.0673
Gm09	45509347	45510345	Gmdrm	hypo	CHH	-0.3093
Gm09	45512377	45513365	Gmdrm	hypo	CHH	-0.023
Gm09	45525744	45526724	Gmdrm	hypo	CHH	-0.0148
Gm09	45531398	45532395	Gmdrm	hypo	CHH	-0.1017
Gm09	45541827	45542824	Gmdrm	hypo	CHH	-0.0168
Gm09	45543832	45544824	Gmdrm	hypo	CHH	-0.0461
Gm09	45544836	45545833	Gmdrm	hypo	CHH	-0.076
Gm09	45559920	45560903	Gmdrm	hypo	CHH	-0.17
Gm09	45560926	45561914	Gmdrm	hypo	CHH	-0.1457
Gm09	45578101	45579086	Gmdrm	hypo	CHH	-0.03
Gm09	45587628	45588608	Gmdrm	hypo	CHH	-0.3105
Gm09	45588660	45588816	Gmdrm	hypo	CHH	-0.0822

Gm09	45588939	45589383	Gmdrm	hypo	CHH	-0.0466
Gm09	45589499	45589948	Gmdrm	hypo	CHH	-0.0611
Gm09	45598503	45599499	Gmdrm	hypo	CHH	-0.0177
Gm09	45603877	45604835	Gmdrm	hypo	CHH	-0.0154
Gm09	45604900	45605900	Gmdrm	hypo	CHH	-0.2127
Gm09	45605901	45606899	Gmdrm	hypo	CHH	-0.2383
Gm09	45621096	45622076	Gmdrm	hypo	CHH	-0.0252
Gm09	45629687	45630674	Gmdrm	hypo	CHH	-0.0164
Gm09	45631965	45632560	Gmdrm	hypo	CHH	-0.0212
Gm09	45644152	45645148	Gmdrm	hypo	CHH	-0.2657
Gm09	45645153	45645478	Gmdrm	hypo	CHH	-0.0257
Gm09	45646631	45647610	Gmdrm	hypo	CHH	-0.0502
Gm09	45652367	45653343	Gmdrm	hypo	CHH	-0.0216
Gm09	45663968	45664967	Gmdrm	hypo	CHH	-0.0483
Gm09	45664970	45665946	Gmdrm	hypo	CHH	-0.035
Gm09	45674117	45675112	Gmdrm	hypo	CHH	-0.0238
Gm09	45693458	45694451	Gmdrm	hypo	CHH	-0.1294
Gm09	45699064	45699946	Gmdrm	hypo	CHH	-0.0152
Gm09	45713296	45713635	Gmdrm	hypo	CHH	-0.0275
Gm09	45714116	45715102	Gmdrm	hypo	CHH	-0.0283
Gm09	45715144	45715946	Gmdrm	hypo	CHH	-0.0213
Gm09	45726574	45727443	Gmdrm	hypo	CHH	-0.0253
Gm09	45767724	45768724	Gmdrm	hypo	CHH	-0.0206
Gm09	45770758	45771732	Gmdrm	hypo	CHH	-0.0238
Gm09	45777876	45778072	Gmdrm	hypo	CHH	-0.0352
Gm09	45788604	45788708	Gmdrm	hypo	CHH	-0.03
Gm09	45789997	45790507	Gmdrm	hypo	CHH	-0.012
Gm09	45801923	45802921	Gmdrm	hypo	CHH	-0.0229
Gm09	45802930	45803920	Gmdrm	hypo	CHH	-0.0346
Gm09	45807702	45808702	Gmdrm	hypo	CHH	-0.0196
Gm09	45808708	45809592	Gmdrm	hypo	CHH	-0.0261
Gm09	45810627	45811609	Gmdrm	hypo	CHH	-0.1322
Gm09	45811652	45812645	Gmdrm	hypo	CHH	-0.1338
Gm09	45812655	45813217	Gmdrm	hypo	CHH	-0.1641
Gm09	45833693	45834649	Gmdrm	hypo	CHH	-0.0323
Gm09	45850155	45851139	Gmdrm	hypo	CHH	-0.0185
Gm09	45866601	45867341	Gmdrm	hypo	CHH	-0.0208
Gm09	45883911	45884887	Gmdrm	hypo	CHH	-0.2535
Gm09	45903385	45903769	Gmdrm	hypo	CHH	-0.0216
Gm09	45914008	45914999	Gmdrm	hypo	CHH	-0.0438
Gm09	45915021	45916013	Gmdrm	hypo	CHH	-0.0628
Gm09	45916022	45917016	Gmdrm	hypo	CHH	-0.0242
Gm09	45930977	45931977	Gmdrm	hypo	CHH	-0.0176
Gm09	45931979	45932337	Gmdrm	hypo	CHH	-0.0453
Gm09	45945612	45946610	Gmdrm	hypo	CHH	-0.0439
Gm09	45946615	45947611	Gmdrm	hypo	CHH	-0.0723

Gm09	45955313	45956099	Gmdrm	hypo	CHH	-0.0492
Gm09	45957739	45958697	Gmdrm	hypo	CHH	-0.024
Gm09	45958978	45959976	Gmdrm	hypo	CHH	-0.0209
Gm09	45968723	45969719	Gmdrm	hypo	CHH	-0.1066
Gm09	45981376	45982376	Gmdrm	hypo	CHH	-0.0112
Gm09	45982379	45983379	Gmdrm	hypo	CHH	-0.0546
Gm09	45983383	45984381	Gmdrm	hypo	CHH	-0.0651
Gm09	45984395	45985386	Gmdrm	hypo	CHH	-0.0134
Gm09	45986841	45987839	Gmdrm	hypo	CHH	-0.0164
Gm09	45988793	45989760	Gmdrm	hypo	CHH	-0.0215
Gm09	45989798	45990798	Gmdrm	hypo	CHH	-0.0551
Gm09	45990800	45991542	Gmdrm	hypo	CHH	-0.1353
Gm09	46003394	46004383	Gmdrm	hypo	CHH	-0.0245
Gm09	46013477	46014434	Gmdrm	hypo	CHH	-0.0453
Gm09	46016157	46017126	Gmdrm	hypo	CHH	-0.0476
Gm09	46031722	46032718	Gmdrm	hypo	CHH	-0.356
Gm09	46034748	46035727	Gmdrm	hypo	CHH	-0.0193
Gm09	46037364	46037968	Gmdrm	hypo	CHH	-0.0722
Gm09	46038592	46039445	Gmdrm	hypo	CHH	-0.1818
Gm09	46052971	46053419	Gmdrm	hypo	CHH	-0.0516
Gm09	46060326	46061320	Gmdrm	hypo	CHH	-0.0272
Gm09	46074675	46075665	Gmdrm	hypo	CHH	-0.028
Gm09	46088156	46088956	Gmdrm	hypo	CHH	-0.0499
Gm09	46105037	46106013	Gmdrm	hypo	CHH	-0.0742
Gm09	46106039	46107011	Gmdrm	hypo	CHH	-0.0118
Gm09	46108377	46109375	Gmdrm	hypo	CHH	-0.0388
Gm09	46126014	46127009	Gmdrm	hypo	CHH	-0.0683
Gm09	46130355	46131354	Gmdrm	hypo	CHH	-0.0283
Gm09	46131356	46132337	Gmdrm	hypo	CHH	-0.0169
Gm09	46134621	46135602	Gmdrm	hypo	CHH	-0.0291
Gm09	46144719	46145682	Gmdrm	hypo	CHH	-0.023
Gm09	46151162	46152142	Gmdrm	hypo	CHH	-0.1595
Gm09	46156203	46157157	Gmdrm	hypo	CHH	-0.1083
Gm09	46165354	46166354	Gmdrm	hypo	CHH	-0.0537
Gm09	46166359	46167358	Gmdrm	hypo	CHH	-0.0702
Gm09	46178337	46179297	Gmdrm	hypo	CHH	-0.0233
Gm09	46179380	46180371	Gmdrm	hypo	CHH	-0.1999
Gm09	46190023	46191016	Gmdrm	hypo	CHH	-0.2086
Gm09	46192814	46193754	Gmdrm	hypo	CHH	-0.0222
Gm09	46193824	46194456	Gmdrm	hypo	CHH	-0.0248
Gm09	46208465	46209464	Gmdrm	hypo	CHH	-0.1014
Gm09	46221435	46222425	Gmdrm	hypo	CHH	-0.0426
Gm09	46237635	46238623	Gmdrm	hypo	CHH	-0.1672
Gm09	46250813	46251813	Gmdrm	hypo	CHH	-0.0511
Gm09	46251814	46252804	Gmdrm	hypo	CHH	-0.0783
Gm09	46254754	46255754	Gmdrm	hypo	CHH	-0.0238

Gm09	46257636	46257910 Gmdrm	hypo	CHH	-0.0454
Gm09	46264101	46264861 Gmdrm	hypo	CHH	-0.0545
Gm09	46272820	46273814 Gmdrm	hypo	CHH	-0.022
Gm09	46292979	46293953 Gmdrm	hypo	CHH	-0.0204
Gm09	46294009	46294115 Gmdrm	hypo	CHH	-0.0575
Gm09	46309573	46309734 Gmdrm	hypo	CHH	-0.0386
Gm09	46313424	46314424 Gmdrm	hypo	CHH	-0.0716
Gm09	46314430	46315407 Gmdrm	hypo	CHH	-0.1321
Gm09	46322533	46323485 Gmdrm	hypo	CHH	-0.0304
Gm09	46333863	46333977 Gmdrm	hypo	CHH	-0.0433
Gm09	46337386	46338385 Gmdrm	hypo	CHH	-0.1237
Gm09	46343588	46344548 Gmdrm	hypo	CHH	-0.0221
Gm09	46344594	46345594 Gmdrm	hypo	CHH	-0.0954
Gm09	46345605	46346464 Gmdrm	hypo	CHH	-0.03
Gm09	46352279	46353255 Gmdrm	hypo	CHH	-0.123
Gm09	46354298	46355298 Gmdrm	hypo	CHH	-0.068
Gm09	46356377	46357197 Gmdrm	hypo	CHH	-0.0196
Gm09	46357707	46358668 Gmdrm	hypo	CHH	-0.026
Gm09	46360436	46361424 Gmdrm	hypo	CHH	-0.0132
Gm09	46366460	46367457 Gmdrm	hypo	CHH	-0.1962
Gm09	46383021	46383098 Gmdrm	hypo	CHH	-0.08
Gm09	46420858	46420914 Gmdrm	hypo	CHH	-0.068
Gm09	46433325	46434321 Gmdrm	hypo	CHH	-0.0494
Gm09	46455697	46456664 Gmdrm	hypo	CHH	-0.012
Gm09	46466238	46467232 Gmdrm	hypo	CHH	-0.0179
Gm09	46467290	46468282 Gmdrm	hypo	CHH	-0.2349
Gm09	46491925	46492915 Gmdrm	hypo	CHH	-0.0216
Gm09	46500117	46501105 Gmdrm	hypo	CHH	-0.0395
Gm09	46508985	46509978 Gmdrm	hypo	CHH	-0.0256
Gm09	46515790	46516788 Gmdrm	hypo	CHH	-0.0225
Gm09	46516796	46517790 Gmdrm	hypo	CHH	-0.0746
Gm09	46517802	46518779 Gmdrm	hypo	CHH	-0.018
Gm09	46526378	46527357 Gmdrm	hypo	CHH	-0.0091
Gm09	46530424	46531417 Gmdrm	hypo	CHH	-0.0243
Gm09	46551330	46552326 Gmdrm	hypo	CHH	-0.1225
Gm09	46552337	46553284 Gmdrm	hypo	CHH	-0.0249
Gm09	46556141	46556738 Gmdrm	hypo	CHH	-0.0136
Gm09	46556841	46557528 Gmdrm	hypo	CHH	-0.0315
Gm09	46561670	46562664 Gmdrm	hypo	CHH	-0.1435
Gm09	46576875	46577685 Gmdrm	hypo	CHH	-0.0154
Gm09	46623974	46624791 Gmdrm	hypo	CHH	-0.0664
Gm09	46624898	46625883 Gmdrm	hypo	CHH	-0.0273
Gm09	46634504	46635482 Gmdrm	hypo	CHH	-0.015
Gm09	46639251	46640250 Gmdrm	hypo	CHH	-0.0404
Gm09	46643577	46644568 Gmdrm	hypo	CHH	-0.0204
Gm09	46644584	46645580 Gmdrm	hypo	CHH	-0.0122

Gm09	46646448	46647446 Gmdrm	hypo	CHH	-0.0349
Gm09	46648217	46649217 Gmdrm	hypo	CHH	-0.0498
Gm09	46649232	46650176 Gmdrm	hypo	CHH	-0.0534
Gm09	46650435	46651429 Gmdrm	hypo	CHH	-0.0238
Gm09	46651445	46652443 Gmdrm	hypo	CHH	-0.0271
Gm09	46652457	46653457 Gmdrm	hypo	CHH	-0.0424
Gm09	46656831	46657552 Gmdrm	hypo	CHH	-0.0226
Gm09	46660158	46661130 Gmdrm	hypo	CHH	-0.0174
Gm09	46663990	46664979 Gmdrm	hypo	CHH	-0.03
Gm09	46664994	46665974 Gmdrm	hypo	CHH	-0.0393
Gm09	46680989	46681989 Gmdrm	hypo	CHH	-0.0118
Gm09	46681990	46682982 Gmdrm	hypo	CHH	-0.0407
Gm09	46694243	46695243 Gmdrm	hypo	CHH	-0.0611
Gm09	46695265	46696265 Gmdrm	hypo	CHH	-0.0497
Gm09	46696271	46697220 Gmdrm	hypo	CHH	-0.0721
Gm09	46697652	46698635 Gmdrm	hypo	CHH	-0.3015
Gm09	46703128	46704102 Gmdrm	hypo	CHH	-0.1128
Gm09	46708601	46709595 Gmdrm	hypo	CHH	-0.186
Gm09	46710126	46711117 Gmdrm	hypo	CHH	-0.0196
Gm09	46746239	46747187 Gmdrm	hypo	CHH	-0.0387
Gm09	46748334	46749293 Gmdrm	hypo	CHH	-0.0238
Gm09	46758652	46759602 Gmdrm	hypo	CHH	-0.0132
Gm09	46762667	46763657 Gmdrm	hypo	CHH	-0.0219
Gm09	46781998	46782276 Gmdrm	hypo	CHH	-0.0215
Gm09	46788837	46789813 Gmdrm	hypo	CHH	-0.022
Gm09	46794717	46795717 Gmdrm	hypo	CHH	-0.0096
Gm09	46795725	46796709 Gmdrm	hypo	CHH	-0.2492
Gm09	46807803	46808790 Gmdrm	hypo	CHH	-0.0373
Gm09	46808805	46809217 Gmdrm	hypo	CHH	-0.057
Gm09	46820345	46820504 Gmdrm	hypo	CHH	-0.0307
Gm09	46833448	46834444 Gmdrm	hypo	CHH	-0.0325
Gm09	46834454	46835449 Gmdrm	hypo	CHH	-0.0788
Gm09	46836481	46837479 Gmdrm	hypo	CHH	-0.0338
Gm09	46839327	46840230 Gmdrm	hypo	CHH	-0.2474
Gm09	46841884	46842314 Gmdrm	hypo	CHH	-0.05
Gm09	46849267	46849881 Gmdrm	hypo	CHH	-0.0869
Gm09	46850241	46851236 Gmdrm	hypo	CHH	-0.1523
Gm09	46862954	46863950 Gmdrm	hypo	CHH	-0.0231
Gm09	46883509	46884505 Gmdrm	hypo	CHH	-0.0361
Gm09	46892216	46893194 Gmdrm	hypo	CHH	-0.0586
Gm09	46894241	46895187 Gmdrm	hypo	CHH	-0.0415
Gm09	46897271	46898268 Gmdrm	hypo	CHH	-0.0818
Gm09	46915907	46916903 Gmdrm	hypo	CHH	-0.1382
Gm09	46916909	46917905 Gmdrm	hypo	CHH	-0.0763
Gm09	46928471	46929468 Gmdrm	hypo	CHH	-0.0285
Gm09	46929475	46930465 Gmdrm	hypo	CHH	-0.0137

Gm09	46931893	46932760	Gmdrm	hypo	CHH	-0.0811
Gm09	46955767	46956765	Gmdrm	hypo	CHH	-0.1282
Gm09	46956774	46957768	Gmdrm	hypo	CHH	-0.0965
Gm09	46959196	46960096	Gmdrm	hypo	CHH	-0.0553
Gm09	46961204	46962152	Gmdrm	hypo	CHH	-0.0146
Gm09	46965240	46966170	Gmdrm	hypo	CHH	-0.1136
Gm09	46987747	46988735	Gmdrm	hypo	CHH	-0.0275
Gm09	46988757	46988869	Gmdrm	hypo	CHH	-0.118
Gm09	47028174	47029097	Gmdrm	hypo	CHH	-0.0323
Gm09	47066917	47067904	Gmdrm	hypo	CHH	-0.0211
Gm09	47067942	47068920	Gmdrm	hypo	CHH	-0.0202
Gm09	47072913	47073625	Gmdrm	hypo	CHH	-0.0186
Gm09	47077915	47077988	Gmdrm	hypo	CHH	-0.176
Gm09	47088563	47089398	Gmdrm	hypo	CHH	-0.0543
Gm09	47090997	47091995	Gmdrm	hypo	CHH	-0.0158
Gm09	47092000	47092989	Gmdrm	hypo	CHH	-0.0792
Gm09	47099064	47100058	Gmdrm	hypo	CHH	-0.175
Gm09	47101978	47102975	Gmdrm	hypo	CHH	-0.0286
Gm09	47122326	47123318	Gmdrm	hypo	CHH	-0.033
Gm09	47129686	47130105	Gmdrm	hypo	CHH	-0.0191
Gm09	47130229	47130525	Gmdrm	hypo	CHH	-0.0227
Gm09	47131446	47131956	Gmdrm	hypo	CHH	-0.0156
Gm09	47149448	47150399	Gmdrm	hypo	CHH	-0.0164
Gm09	47161295	47162236	Gmdrm	hypo	CHH	-0.0465
Gm09	47165684	47166643	Gmdrm	hypo	CHH	-0.0154
Gm09	47198425	47199361	Gmdrm	hypo	CHH	-0.0135
Gm09	47204993	47205886	Gmdrm	hypo	CHH	-0.2028
Gm09	47208370	47209323	Gmdrm	hypo	CHH	-0.0882
Gm09	47228582	47229581	Gmdrm	hypo	CHH	-0.1472
Gm09	47237224	47237952	Gmdrm	hypo	CHH	-0.0534
Gm09	47247515	47248496	Gmdrm	hypo	CHH	-0.4068
Gm09	47251963	47252958	Gmdrm	hypo	CHH	-0.0139
Gm09	47257220	47258212	Gmdrm	hypo	CHH	-0.1143
Gm09	47258232	47259227	Gmdrm	hypo	CHH	-0.0508
Gm09	47259235	47260235	Gmdrm	hypo	CHH	-0.0803
Gm09	47260237	47261217	Gmdrm	hypo	CHH	-0.0243
Gm09	47277300	47278293	Gmdrm	hypo	CHH	-0.0759
Gm09	47279376	47279842	Gmdrm	hypo	CHH	-0.0197
Gm09	47287964	47288951	Gmdrm	hypo	CHH	-0.0377
Gm09	47288968	47289947	Gmdrm	hypo	CHH	-0.0636
Gm09	47297869	47298835	Gmdrm	hypo	CHH	-0.0232
Gm09	47301026	47302004	Gmdrm	hypo	CHH	-0.0218
Gm09	47317229	47318226	Gmdrm	hypo	CHH	-0.0944
Gm09	47318231	47318361	Gmdrm	hypo	CHH	-0.12
Gm09	47318702	47319121	Gmdrm	hypo	CHH	-0.0276
Gm09	47330573	47331336	Gmdrm	hypo	CHH	-0.1076

Gm09	47331450	47332442	Gmdrm	hypo	CHH	-0.0159
Gm09	47335023	47336020	Gmdrm	hypo	CHH	-0.0136
Gm09	47348515	47349483	Gmdrm	hypo	CHH	-0.0369
Gm09	47353578	47354512	Gmdrm	hypo	CHH	-0.022
Gm09	47359820	47360790	Gmdrm	hypo	CHH	-0.0113
Gm09	47371874	47372865	Gmdrm	hypo	CHH	-0.0251
Gm09	47382227	47382788	Gmdrm	hypo	CHH	-0.0825
Gm09	47384907	47385485	Gmdrm	hypo	CHH	-0.0587
Gm09	47400086	47401070	Gmdrm	hypo	CHH	-0.1094
Gm09	47417215	47418213	Gmdrm	hypo	CHH	-0.0141
Gm09	47418217	47419204	Gmdrm	hypo	CHH	-0.1317
Gm09	47424218	47425192	Gmdrm	hypo	CHH	-0.2362
Gm09	47430952	47431785	Gmdrm	hypo	CHH	-0.0339
Gm09	47438287	47439287	Gmdrm	hypo	CHH	-0.2621
Gm09	47439293	47440275	Gmdrm	hypo	CHH	-0.2683
Gm09	47440295	47440655	Gmdrm	hypo	CHH	-0.0427
Gm09	47443116	47443621	Gmdrm	hypo	CHH	-0.0181
Gm09	47447760	47448758	Gmdrm	hypo	CHH	-0.0266
Gm09	47452451	47453439	Gmdrm	hypo	CHH	-0.0346
Gm09	47456138	47457137	Gmdrm	hypo	CHH	-0.2159
Gm09	47457139	47457443	Gmdrm	hypo	CHH	-0.0932
Gm09	47459309	47460304	Gmdrm	hypo	CHH	-0.0597
Gm09	47463350	47463609	Gmdrm	hypo	CHH	-0.0301
Gm09	47463768	47464745	Gmdrm	hypo	CHH	-0.07
Gm09	47464789	47465788	Gmdrm	hypo	CHH	-0.0171
Gm09	47481627	47482627	Gmdrm	hypo	CHH	-0.1566
Gm09	47482628	47483504	Gmdrm	hypo	CHH	-0.0892
Gm09	47488116	47489012	Gmdrm	hypo	CHH	-0.1675
Gm09	47489155	47489784	Gmdrm	hypo	CHH	-0.0318
Gm09	47496273	47497259	Gmdrm	hypo	CHH	-0.0787
Gm09	47500943	47501938	Gmdrm	hypo	CHH	-0.0138
Gm09	47516203	47517201	Gmdrm	hypo	CHH	-0.0473
Gm09	47517215	47517817	Gmdrm	hypo	CHH	-0.0774
Gm09	47518003	47518995	Gmdrm	hypo	CHH	-0.0732
Gm09	47520640	47521632	Gmdrm	hypo	CHH	-0.0179
Gm09	47528075	47529071	Gmdrm	hypo	CHH	-0.0163
Gm09	47537228	47538228	Gmdrm	hypo	CHH	-0.0138
Gm09	47543404	47544385	Gmdrm	hypo	CHH	-0.0194
Gm09	47548303	47549290	Gmdrm	hypo	CHH	-0.0564
Gm09	47549929	47550910	Gmdrm	hypo	CHH	-0.0411
Gm09	47550940	47551594	Gmdrm	hypo	CHH	-0.0264
Gm09	47567314	47568312	Gmdrm	hypo	CHH	-0.0211
Gm09	47568317	47569314	Gmdrm	hypo	CHH	-0.1744
Gm09	47569318	47570290	Gmdrm	hypo	CHH	-0.0894
Gm09	47581258	47582254	Gmdrm	hypo	CHH	-0.019
Gm09	47583291	47584284	Gmdrm	hypo	CHH	-0.0155

Gm09	47591265	47591497	Gmdrm	hypo	CHH	-0.0488
Gm09	47599731	47600386	Gmdrm	hypo	CHH	-0.0167
Gm09	47600503	47601242	Gmdrm	hypo	CHH	-0.0426
Gm09	47612938	47613938	Gmdrm	hypo	CHH	-0.0629
Gm09	47613941	47614926	Gmdrm	hypo	CHH	-0.1388
Gm09	47627317	47628317	Gmdrm	hypo	CHH	-0.0554
Gm09	47628325	47629319	Gmdrm	hypo	CHH	-0.0682
Gm09	47632498	47633477	Gmdrm	hypo	CHH	-0.0126
Gm09	47634979	47635949	Gmdrm	hypo	CHH	-0.0303
Gm09	47636170	47637170	Gmdrm	hypo	CHH	-0.0884
Gm09	47661043	47661992	Gmdrm	hypo	CHH	-0.0144
Gm09	47663551	47664549	Gmdrm	hypo	CHH	-0.0142
Gm09	47664552	47665535	Gmdrm	hypo	CHH	-0.155
Gm09	47665563	47666217	Gmdrm	hypo	CHH	-0.3654
Gm09	47679917	47680895	Gmdrm	hypo	CHH	-0.055
Gm09	47680935	47681935	Gmdrm	hypo	CHH	-0.0395
Gm09	47681938	47682938	Gmdrm	hypo	CHH	-0.0317
Gm09	47688321	47689305	Gmdrm	hypo	CHH	-0.0402
Gm09	47691899	47692898	Gmdrm	hypo	CHH	-0.1901
Gm09	47703887	47704736	Gmdrm	hypo	CHH	-0.0157
Gm09	47710466	47711445	Gmdrm	hypo	CHH	-0.1229
Gm09	47735252	47736209	Gmdrm	hypo	CHH	-0.016
Gm09	47741010	47741571	Gmdrm	hypo	CHH	-0.0686
Gm09	47742200	47743167	Gmdrm	hypo	CHH	-0.0396
Gm09	47743202	47744191	Gmdrm	hypo	CHH	-0.047
Gm09	47744208	47745129	Gmdrm	hypo	CHH	-0.0195
Gm09	47749347	47749422	Gmdrm	hypo	CHH	-0.0717
Gm09	47759780	47760759	Gmdrm	hypo	CHH	-0.021
Gm09	47761643	47762119	Gmdrm	hypo	CHH	-0.0261
Gm09	47770205	47771175	Gmdrm	hypo	CHH	-0.015
Gm09	47787462	47788460	Gmdrm	hypo	CHH	-0.0148
Gm09	47803018	47804012	Gmdrm	hypo	CHH	-0.0159
Gm09	47812191	47813177	Gmdrm	hypo	CHH	-0.1255
Gm09	47813195	47814156	Gmdrm	hypo	CHH	-0.0583
Gm09	47822109	47822711	Gmdrm	hypo	CHH	-0.1271
Gm09	47835777	47836773	Gmdrm	hypo	CHH	-0.0444
Gm09	47837826	47838236	Gmdrm	hypo	CHH	-0.0205
Gm09	47840843	47841139	Gmdrm	hypo	CHH	-0.0872
Gm09	47854453	47855446	Gmdrm	hypo	CHH	-0.0731
Gm09	47855456	47856442	Gmdrm	hypo	CHH	-0.0448
Gm09	47862062	47863043	Gmdrm	hypo	CHH	-0.0198
Gm09	47863990	47864970	Gmdrm	hypo	CHH	-0.0212
Gm09	47876386	47877324	Gmdrm	hypo	CHH	-0.012
Gm09	47878469	47879461	Gmdrm	hypo	CHH	-0.0466
Gm09	47880519	47881507	Gmdrm	hypo	CHH	-0.0689
Gm09	47909984	47910983	Gmdrm	hypo	CHH	-0.088

Gm09	47933828	47934813	Gmdrm	hypo	CHH	-0.058
Gm09	47948776	47949742	Gmdrm	hypo	CHH	-0.0126
Gm09	47951369	47952369	Gmdrm	hypo	CHH	-0.0391
Gm09	47952375	47953346	Gmdrm	hypo	CHH	-0.0692
Gm09	47973656	47974244	Gmdrm	hypo	CHH	-0.0197
Gm09	47975373	47976353	Gmdrm	hypo	CHH	-0.2851
Gm09	47985501	47986222	Gmdrm	hypo	CHH	-0.1426
Gm09	47988147	47989144	Gmdrm	hypo	CHH	-0.0176
Gm09	47993184	47994155	Gmdrm	hypo	CHH	-0.018
Gm09	48013621	48014531	Gmdrm	hypo	CHH	-0.0212
Gm09	48025000	48025999	Gmdrm	hypo	CHH	-0.0362
Gm09	48026013	48027002	Gmdrm	hypo	CHH	-0.039
Gm09	48027190	48028179	Gmdrm	hypo	CHH	-0.023
Gm09	48028206	48029206	Gmdrm	hypo	CHH	-0.012
Gm09	48044447	48045437	Gmdrm	hypo	CHH	-0.0506
Gm09	48049589	48050583	Gmdrm	hypo	CHH	-0.0546
Gm09	48052619	48053602	Gmdrm	hypo	CHH	-0.1308
Gm09	48053633	48054622	Gmdrm	hypo	CHH	-0.0243
Gm09	48077718	48078717	Gmdrm	hypo	CHH	-0.1735
Gm09	48078721	48079446	Gmdrm	hypo	CHH	-0.0504
Gm09	48092986	48093980	Gmdrm	hypo	CHH	-0.0368
Gm09	48094015	48095013	Gmdrm	hypo	CHH	-0.0468
Gm09	48099654	48100649	Gmdrm	hypo	CHH	-0.0384
Gm09	48100660	48101637	Gmdrm	hypo	CHH	-0.1254
Gm09	48115164	48116146	Gmdrm	hypo	CHH	-0.0508
Gm09	48116173	48117156	Gmdrm	hypo	CHH	-0.0471
Gm09	48117363	48118354	Gmdrm	hypo	CHH	-0.1201
Gm09	48118366	48119362	Gmdrm	hypo	CHH	-0.1822
Gm09	48124769	48125687	Gmdrm	hypo	CHH	-0.0543
Gm09	48130679	48131677	Gmdrm	hypo	CHH	-0.0338
Gm09	48131687	48132325	Gmdrm	hypo	CHH	-0.0245
Gm09	48136511	48137509	Gmdrm	hypo	CHH	-0.0259
Gm09	48152205	48153189	Gmdrm	hypo	CHH	-0.0265
Gm09	48165368	48166020	Gmdrm	hypo	CHH	-0.0849
Gm09	48167320	48168307	Gmdrm	hypo	CHH	-0.0207
Gm09	48189741	48190726	Gmdrm	hypo	CHH	-0.1372
Gm09	48190757	48191734	Gmdrm	hypo	CHH	-0.0152
Gm09	48196312	48197308	Gmdrm	hypo	CHH	-0.0206
Gm09	48200294	48200431	Gmdrm	hypo	CHH	-0.092
Gm09	48218463	48219254	Gmdrm	hypo	CHH	-0.0155
Gm09	48220435	48221002	Gmdrm	hypo	CHH	-0.0777
Gm09	48222431	48223430	Gmdrm	hypo	CHH	-0.013
Gm09	48226322	48227314	Gmdrm	hypo	CHH	-0.1722
Gm09	48228357	48229357	Gmdrm	hypo	CHH	-0.0377
Gm09	48229366	48230348	Gmdrm	hypo	CHH	-0.0863
Gm09	48231673	48232670	Gmdrm	hypo	CHH	-0.0188

Gm09	48258793	48259781	Gmdrm	hypo	CHH	-0.0391
Gm09	48264227	48265168	Gmdrm	hypo	CHH	-0.0266
Gm09	48269039	48270028	Gmdrm	hypo	CHH	-0.2748
Gm09	48270042	48271015	Gmdrm	hypo	CHH	-0.0782
Gm09	48273048	48273156	Gmdrm	hypo	CHH	-0.056
Gm09	48275656	48276655	Gmdrm	hypo	CHH	-0.0319
Gm09	48279449	48280447	Gmdrm	hypo	CHH	-0.1858
Gm09	48283772	48284770	Gmdrm	hypo	CHH	-0.0163
Gm09	48298961	48299959	Gmdrm	hypo	CHH	-0.0605
Gm09	48299962	48300259	Gmdrm	hypo	CHH	-0.125
Gm09	48325930	48326929	Gmdrm	hypo	CHH	-0.0457
Gm09	48331554	48332209	Gmdrm	hypo	CHH	-0.138
Gm09	48336513	48337338	Gmdrm	hypo	CHH	-0.023
Gm09	48339530	48339840	Gmdrm	hypo	CHH	-0.0329
Gm09	48341954	48342945	Gmdrm	hypo	CHH	-0.0668
Gm09	48348763	48349749	Gmdrm	hypo	CHH	-0.0644
Gm09	48365233	48366227	Gmdrm	hypo	CHH	-0.0212
Gm09	48390654	48391631	Gmdrm	hypo	CHH	-0.0145
Gm09	48404581	48405581	Gmdrm	hypo	CHH	-0.1083
Gm09	48405596	48406577	Gmdrm	hypo	CHH	-0.0615
Gm09	48411955	48412817	Gmdrm	hypo	CHH	-0.0155
Gm09	48414066	48415055	Gmdrm	hypo	CHH	-0.0779
Gm09	48415074	48416067	Gmdrm	hypo	CHH	-0.0246
Gm09	48418971	48419734	Gmdrm	hypo	CHH	-0.0372
Gm09	48440293	48441286	Gmdrm	hypo	CHH	-0.0314
Gm09	48465880	48466866	Gmdrm	hypo	CHH	-0.0437
Gm09	48468314	48469314	Gmdrm	hypo	CHH	-0.203
Gm09	48475938	48476902	Gmdrm	hypo	CHH	-0.0193
Gm09	48477818	48478805	Gmdrm	hypo	CHH	-0.0626
Gm09	48478835	48479831	Gmdrm	hypo	CHH	-0.1317
Gm09	48479837	48479984	Gmdrm	hypo	CHH	-0.1127
Gm09	48480270	48481261	Gmdrm	hypo	CHH	-0.2397
Gm09	48483494	48484241	Gmdrm	hypo	CHH	-0.0188
Gm09	48486373	48487090	Gmdrm	hypo	CHH	-0.1067
Gm09	48494911	48495892	Gmdrm	hypo	CHH	-0.0086
Gm09	48507658	48508655	Gmdrm	hypo	CHH	-0.2797
Gm09	48508659	48509659	Gmdrm	hypo	CHH	-0.0913
Gm09	48517114	48517695	Gmdrm	hypo	CHH	-0.0288
Gm09	48518815	48519804	Gmdrm	hypo	CHH	-0.0209
Gm09	48540496	48541490	Gmdrm	hypo	CHH	-0.0135
Gm09	48544460	48545457	Gmdrm	hypo	CHH	-0.0147
Gm09	48546622	48547621	Gmdrm	hypo	CHH	-0.0583
Gm09	48547624	48548608	Gmdrm	hypo	CHH	-0.0858
Gm09	48550632	48551619	Gmdrm	hypo	CHH	-0.1038
Gm09	48551633	48552625	Gmdrm	hypo	CHH	-0.0287
Gm09	48552650	48553634	Gmdrm	hypo	CHH	-0.0373

Gm09	48592350	48592835	Gmdrm	hypo	CHH	-0.0235
Gm09	48611322	48612321	Gmdrm	hypo	CHH	-0.0605
Gm09	48612329	48613319	Gmdrm	hypo	CHH	-0.033
Gm09	48625420	48625998	Gmdrm	hypo	CHH	-0.0277
Gm09	48645978	48646834	Gmdrm	hypo	CHH	-0.0454
Gm09	48671417	48672409	Gmdrm	hypo	CHH	-0.0165
Gm09	48676506	48677256	Gmdrm	hypo	CHH	-0.0198
Gm09	48689177	48690170	Gmdrm	hypo	CHH	-0.0167
Gm09	48693456	48694453	Gmdrm	hypo	CHH	-0.0604
Gm09	48723128	48723248	Gmdrm	hypo	CHH	-0.0449
Gm09	48732519	48733515	Gmdrm	hypo	CHH	-0.0324
Gm09	48733526	48734484	Gmdrm	hypo	CHH	-0.0999
Gm09	48742541	48743532	Gmdrm	hypo	CHH	-0.059
Gm09	48746819	48747818	Gmdrm	hypo	CHH	-0.0459
Gm09	48747822	48748819	Gmdrm	hypo	CHH	-0.0513
Gm09	48749882	48750870	Gmdrm	hypo	CHH	-0.0555
Gm09	48750918	48751902	Gmdrm	hypo	CHH	-0.0159
Gm09	48754861	48755717	Gmdrm	hypo	CHH	-0.1635
Gm09	48755821	48756496	Gmdrm	hypo	CHH	-0.2476
Gm09	48757386	48758381	Gmdrm	hypo	CHH	-0.0946
Gm09	48765315	48765457	Gmdrm	hypo	CHH	-0.1312
Gm09	48769567	48770564	Gmdrm	hypo	CHH	-0.0638
Gm09	48773586	48774529	Gmdrm	hypo	CHH	-0.0779
Gm09	48781651	48782604	Gmdrm	hypo	CHH	-0.0305
Gm09	48798281	48799201	Gmdrm	hypo	CHH	-0.0937
Gm09	48805785	48806768	Gmdrm	hypo	CHH	-0.0141
Gm09	48806800	48807793	Gmdrm	hypo	CHH	-0.0491
Gm09	48819487	48820481	Gmdrm	hypo	CHH	-0.124
Gm09	48820489	48821453	Gmdrm	hypo	CHH	-0.0632
Gm09	48834088	48835085	Gmdrm	hypo	CHH	-0.0915
Gm09	48835090	48835718	Gmdrm	hypo	CHH	-0.1347
Gm09	48838857	48839854	Gmdrm	hypo	CHH	-0.0468
Gm09	48839858	48840836	Gmdrm	hypo	CHH	-0.1112
Gm09	48845028	48846026	Gmdrm	hypo	CHH	-0.037
Gm09	48846031	48847010	Gmdrm	hypo	CHH	-0.0741
Gm09	48847036	48848023	Gmdrm	hypo	CHH	-0.0317
Gm09	48851952	48852951	Gmdrm	hypo	CHH	-0.0245
Gm09	48852953	48853950	Gmdrm	hypo	CHH	-0.0781
Gm09	48872991	48873982	Gmdrm	hypo	CHH	-0.0411
Gm09	48875012	48875278	Gmdrm	hypo	CHH	-0.2232
Gm09	48892846	48893835	Gmdrm	hypo	CHH	-0.0454
Gm09	48898298	48899221	Gmdrm	hypo	CHH	-0.0243
Gm09	48907909	48908900	Gmdrm	hypo	CHH	-0.0307
Gm09	48913999	48914891	Gmdrm	hypo	CHH	-0.0679
Gm09	48915575	48916569	Gmdrm	hypo	CHH	-0.0274
Gm09	48928564	48929533	Gmdrm	hypo	CHH	-0.0128

Gm09	48954413	48955411 Gmdrm	hypo	CHH	-0.1848
Gm09	48964084	48964964 Gmdrm	hypo	CHH	-0.0305
Gm09	48971674	48972630 Gmdrm	hypo	CHH	-0.0232
Gm09	49006467	49006561 Gmdrm	hypo	CHH	-0.0467
Gm09	49024695	49025671 Gmdrm	hypo	CHH	-0.0251
Gm09	49033552	49034532 Gmdrm	hypo	CHH	-0.0166
Gm09	49058568	49059557 Gmdrm	hypo	CHH	-0.0448
Gm09	49076098	49077095 Gmdrm	hypo	CHH	-0.0693
Gm09	49077101	49078097 Gmdrm	hypo	CHH	-0.1344
Gm09	49095779	49096747 Gmdrm	hypo	CHH	-0.0232
Gm09	49106248	49107244 Gmdrm	hypo	CHH	-0.1398
Gm09	49107286	49108275 Gmdrm	hypo	CHH	-0.0205
Gm09	49109633	49110614 Gmdrm	hypo	CHH	-0.0333
Gm09	49114481	49115481 Gmdrm	hypo	CHH	-0.0232
Gm09	49123284	49124279 Gmdrm	hypo	CHH	-0.0751
Gm09	49124292	49125282 Gmdrm	hypo	CHH	-0.0814
Gm09	49135162	49136162 Gmdrm	hypo	CHH	-0.0266
Gm09	49136164	49136921 Gmdrm	hypo	CHH	-0.0229
Gm09	49137051	49137571 Gmdrm	hypo	CHH	-0.0357
Gm09	49145742	49146582 Gmdrm	hypo	CHH	-0.027
Gm09	49146692	49147683 Gmdrm	hypo	CHH	-0.0175
Gm09	49154596	49155588 Gmdrm	hypo	CHH	-0.0893
Gm09	49155620	49156604 Gmdrm	hypo	CHH	-0.1104
Gm09	49160455	49160880 Gmdrm	hypo	CHH	-0.0705
Gm09	49165768	49165975 Gmdrm	hypo	CHH	-0.041
Gm09	49175170	49176168 Gmdrm	hypo	CHH	-0.0258
Gm09	49177239	49178222 Gmdrm	hypo	CHH	-0.0475
Gm09	49179330	49180209 Gmdrm	hypo	CHH	-0.0124
Gm09	49189442	49189727 Gmdrm	hypo	CHH	-0.0745
Gm09	49212639	49213636 Gmdrm	hypo	CHH	-0.0822
Gm09	49213641	49214641 Gmdrm	hypo	CHH	-0.0894
Gm09	49214651	49215646 Gmdrm	hypo	CHH	-0.1423
Gm09	49225512	49226497 Gmdrm	hypo	CHH	-0.029
Gm09	49245852	49246128 Gmdrm	hypo	CHH	-0.027
Gm09	49254717	49255716 Gmdrm	hypo	CHH	-0.0521
Gm09	49255719	49256719 Gmdrm	hypo	CHH	-0.1142
Gm09	49256721	49257720 Gmdrm	hypo	CHH	-0.0999
Gm09	49257724	49258454 Gmdrm	hypo	CHH	-0.0397
Gm09	49268410	49269383 Gmdrm	hypo	CHH	-0.0177
Gm09	49277663	49278651 Gmdrm	hypo	CHH	-0.0134
Gm09	49283027	49284020 Gmdrm	hypo	CHH	-0.0337
Gm09	49296889	49297869 Gmdrm	hypo	CHH	-0.017
Gm09	49303547	49304544 Gmdrm	hypo	CHH	-0.0757
Gm09	49309340	49310334 Gmdrm	hypo	CHH	-0.0202
Gm09	49313356	49314350 Gmdrm	hypo	CHH	-0.0943
Gm09	49326433	49327433 Gmdrm	hypo	CHH	-0.0656

Gm09	49328338	49329338	Gmdrm	hypo	CHH	-0.0171
Gm09	49329342	49330312	Gmdrm	hypo	CHH	-0.0815
Gm09	49330349	49331337	Gmdrm	hypo	CHH	-0.1133
Gm09	49338901	49339900	Gmdrm	hypo	CHH	-0.0166
Gm09	49347318	49347850	Gmdrm	hypo	CHH	-0.0634
Gm09	49363393	49364385	Gmdrm	hypo	CHH	-0.0159
Gm09	49365420	49366008	Gmdrm	hypo	CHH	-0.1959
Gm09	49366274	49367239	Gmdrm	hypo	CHH	-0.3119
Gm09	49372579	49373578	Gmdrm	hypo	CHH	-0.0384
Gm09	49373581	49374309	Gmdrm	hypo	CHH	-0.0142
Gm09	49374486	49374637	Gmdrm	hypo	CHH	-0.03
Gm09	49378070	49378254	Gmdrm	hypo	CHH	-0.0512
Gm09	49382543	49383520	Gmdrm	hypo	CHH	-0.0196
Gm09	49395248	49396223	Gmdrm	hypo	CHH	-0.0738
Gm09	49402563	49403551	Gmdrm	hypo	CHH	-0.0143
Gm09	49432569	49433230	Gmdrm	hypo	CHH	-0.0318
Gm09	49445468	49446437	Gmdrm	hypo	CHH	-0.0149
Gm09	49457654	49458642	Gmdrm	hypo	CHH	-0.1263
Gm09	49458655	49459099	Gmdrm	hypo	CHH	-0.1361
Gm09	49466828	49467820	Gmdrm	hypo	CHH	-0.0291
Gm09	49479957	49480937	Gmdrm	hypo	CHH	-0.0226
Gm09	49498305	49499297	Gmdrm	hypo	CHH	-0.0131
Gm09	49507382	49508382	Gmdrm	hypo	CHH	-0.0368
Gm09	49508384	49508758	Gmdrm	hypo	CHH	-0.0556
Gm09	49509866	49510054	Gmdrm	hypo	CHH	-0.0284
Gm09	49523709	49524694	Gmdrm	hypo	CHH	-0.0154
Gm09	49524711	49525705	Gmdrm	hypo	CHH	-0.0308
Gm09	49544902	49545878	Gmdrm	hypo	CHH	-0.0199
Gm09	49558307	49559305	Gmdrm	hypo	CHH	-0.062
Gm09	49560314	49560582	Gmdrm	hypo	CHH	-0.1613
Gm09	49560927	49561905	Gmdrm	hypo	CHH	-0.1396
Gm09	49561990	49562977	Gmdrm	hypo	CHH	-0.1281
Gm09	49567161	49568143	Gmdrm	hypo	CHH	-0.1454
Gm09	49589621	49590604	Gmdrm	hypo	CHH	-0.2024
Gm09	49590637	49591604	Gmdrm	hypo	CHH	-0.1114
Gm09	49601971	49602971	Gmdrm	hypo	CHH	-0.0116
Gm09	49605288	49606276	Gmdrm	hypo	CHH	-0.0271
Gm09	49618647	49619212	Gmdrm	hypo	CHH	-0.0153
Gm09	49619604	49620603	Gmdrm	hypo	CHH	-0.0268
Gm09	49623063	49624053	Gmdrm	hypo	CHH	-0.016
Gm09	49632462	49633454	Gmdrm	hypo	CHH	-0.0472
Gm09	49638940	49639936	Gmdrm	hypo	CHH	-0.0414
Gm09	49639943	49640942	Gmdrm	hypo	CHH	-0.0646
Gm09	49640944	49641944	Gmdrm	hypo	CHH	-0.0334
Gm09	49663772	49664766	Gmdrm	hypo	CHH	-0.1045
Gm09	49664775	49665714	Gmdrm	hypo	CHH	-0.0631

Gm09	49692861	49693854	Gmdrm	hypo	CHH	-0.2188
Gm09	49704376	49705350	Gmdrm	hypo	CHH	-0.0201
Gm09	49705386	49706383	Gmdrm	hypo	CHH	-0.0304
Gm09	49706388	49706721	Gmdrm	hypo	CHH	-0.2037
Gm09	49712148	49713144	Gmdrm	hypo	CHH	-0.0163
Gm09	49717855	49718840	Gmdrm	hypo	CHH	-0.0137
Gm09	49720187	49721186	Gmdrm	hypo	CHH	-0.0381
Gm09	49727980	49728958	Gmdrm	hypo	CHH	-0.0905
Gm09	49728981	49729953	Gmdrm	hypo	CHH	-0.021
Gm09	49752631	49753625	Gmdrm	hypo	CHH	-0.0219
Gm09	49753641	49754572	Gmdrm	hypo	CHH	-0.068
Gm09	49758850	49759850	Gmdrm	hypo	CHH	-0.0199
Gm09	49764850	49765827	Gmdrm	hypo	CHH	-0.0313
Gm09	49765853	49766850	Gmdrm	hypo	CHH	-0.0186
Gm09	49768925	49769897	Gmdrm	hypo	CHH	-0.0245
Gm09	49775389	49775907	Gmdrm	hypo	CHH	-0.0256
Gm09	49777983	49778604	Gmdrm	hypo	CHH	-0.0206
Gm09	49791928	49792928	Gmdrm	hypo	CHH	-0.022
Gm09	49792935	49793728	Gmdrm	hypo	CHH	-0.0627
Gm09	49800051	49801043	Gmdrm	hypo	CHH	-0.0312
Gm09	49833912	49834905	Gmdrm	hypo	CHH	-0.2344
Gm09	49838343	49838452	Gmdrm	hypo	CHH	-0.04
Gm09	49850904	49851903	Gmdrm	hypo	CHH	-0.022
Gm09	49851910	49852897	Gmdrm	hypo	CHH	-0.0931
Gm09	49854964	49855813	Gmdrm	hypo	CHH	-0.0153
Gm09	49857930	49858008	Gmdrm	hypo	CHH	-0.0566
Gm09	49875494	49876077	Gmdrm	hypo	CHH	-0.0207
Gm09	49877198	49878198	Gmdrm	hypo	CHH	-0.0877
Gm09	49878199	49879157	Gmdrm	hypo	CHH	-0.0968
Gm09	49887532	49888524	Gmdrm	hypo	CHH	-0.1942
Gm09	49890547	49891533	Gmdrm	hypo	CHH	-0.0133
Gm09	49893631	49894625	Gmdrm	hypo	CHH	-0.0255
Gm09	49900722	49901710	Gmdrm	hypo	CHH	-0.0158
Gm09	49924431	49925426	Gmdrm	hypo	CHH	-0.0588
Gm09	49925434	49926425	Gmdrm	hypo	CHH	-0.047
Gm09	49930541	49931411	Gmdrm	hypo	CHH	-0.3059
Gm09	49936307	49937300	Gmdrm	hypo	CHH	-0.4113
Gm09	49943091	49944018	Gmdrm	hypo	CHH	-0.2009
Gm09	49950235	49951053	Gmdrm	hypo	CHH	-0.0196
Gm09	49955207	49956195	Gmdrm	hypo	CHH	-0.0379
Gm09	49961203	49962201	Gmdrm	hypo	CHH	-0.1323
Gm09	49962743	49963738	Gmdrm	hypo	CHH	-0.0281
Gm09	49983431	49984428	Gmdrm	hypo	CHH	-0.0794
Gm09	49984432	49985422	Gmdrm	hypo	CHH	-0.0647
Gm09	49986445	49986749	Gmdrm	hypo	CHH	-0.1277
Gm09	50008066	50009056	Gmdrm	hypo	CHH	-0.0455

Gm09	50020763	50021605	Gmdrm	hypo	CHH	-0.0704
Gm09	50027165	50028162	Gmdrm	hypo	CHH	-0.1269
Gm09	50028171	50029162	Gmdrm	hypo	CHH	-0.1658
Gm09	50032186	50032407	Gmdrm	hypo	CHH	-0.0214
Gm09	50034170	50035169	Gmdrm	hypo	CHH	-0.0353
Gm09	50035181	50036176	Gmdrm	hypo	CHH	-0.0178
Gm09	50039228	50040216	Gmdrm	hypo	CHH	-0.0836
Gm09	50040232	50041178	Gmdrm	hypo	CHH	-0.0541
Gm09	50044646	50044901	Gmdrm	hypo	CHH	-0.1025
Gm09	50053024	50053947	Gmdrm	hypo	CHH	-0.0373
Gm09	50069658	50070112	Gmdrm	hypo	CHH	-0.0229
Gm09	50076519	50077519	Gmdrm	hypo	CHH	-0.0154
Gm09	50081174	50081546	Gmdrm	hypo	CHH	-0.1772
Gm09	50083470	50083779	Gmdrm	hypo	CHH	-0.0293
Gm09	50085909	50086895	Gmdrm	hypo	CHH	-0.02
Gm09	50086917	50087063	Gmdrm	hypo	CHH	-0.1867
Gm09	50087270	50088249	Gmdrm	hypo	CHH	-0.0303
Gm09	50093111	50094104	Gmdrm	hypo	CHH	-0.0344
Gm09	50094749	50095300	Gmdrm	hypo	CHH	-0.0281
Gm09	50096412	50097396	Gmdrm	hypo	CHH	-0.0366
Gm09	50097431	50097994	Gmdrm	hypo	CHH	-0.0643
Gm09	50118070	50119067	Gmdrm	hypo	CHH	-0.0684
Gm09	50120101	50121078	Gmdrm	hypo	CHH	-0.1262
Gm09	50127318	50128315	Gmdrm	hypo	CHH	-0.0167
Gm09	50131580	50132570	Gmdrm	hypo	CHH	-0.0139
Gm09	50135127	50136115	Gmdrm	hypo	CHH	-0.0106
Gm09	50144695	50145682	Gmdrm	hypo	CHH	-0.0263
Gm09	50157747	50158014	Gmdrm	hypo	CHH	-0.0467
Gm09	50158155	50159138	Gmdrm	hypo	CHH	-0.0251
Gm09	50161207	50162053	Gmdrm	hypo	CHH	-0.0135
Gm09	50168351	50169292	Gmdrm	hypo	CHH	-0.021
Gm09	50173169	50173820	Gmdrm	hypo	CHH	-0.03
Gm09	50178559	50179278	Gmdrm	hypo	CHH	-0.0319
Gm09	50182078	50183078	Gmdrm	hypo	CHH	-0.0574
Gm09	50186107	50187096	Gmdrm	hypo	CHH	-0.0116
Gm09	50188126	50189100	Gmdrm	hypo	CHH	-0.027
Gm09	50194253	50195248	Gmdrm	hypo	CHH	-0.0126
Gm09	50203712	50204367	Gmdrm	hypo	CHH	-0.0245
Gm09	50215692	50215988	Gmdrm	hypo	CHH	-0.04
Gm09	50220338	50220591	Gmdrm	hypo	CHH	-0.0359
Gm09	50220701	50221096	Gmdrm	hypo	CHH	-0.0272
Gm09	50239590	50240590	Gmdrm	hypo	CHH	-0.0475
Gm09	50240593	50241591	Gmdrm	hypo	CHH	-0.0798
Gm09	50241620	50242495	Gmdrm	hypo	CHH	-0.0649
Gm09	50243054	50243233	Gmdrm	hypo	CHH	-0.045
Gm09	50264828	50265814	Gmdrm	hypo	CHH	-0.1041

Gm09	50266501	50267434	Gmdrm	hypo	CHH	-0.0414
Gm09	50268845	50269809	Gmdrm	hypo	CHH	-0.1087
Gm09	50269903	50270699	Gmdrm	hypo	CHH	-0.2012
Gm09	50280426	50281160	Gmdrm	hypo	CHH	-0.0355
Gm09	50290492	50291027	Gmdrm	hypo	CHH	-0.0255
Gm09	50303554	50304510	Gmdrm	hypo	CHH	-0.0131
Gm09	50306008	50306995	Gmdrm	hypo	CHH	-0.0576
Gm09	50315822	50316806	Gmdrm	hypo	CHH	-0.0717
Gm09	50320925	50321627	Gmdrm	hypo	CHH	-0.0214
Gm09	50323760	50324409	Gmdrm	hypo	CHH	-0.0207
Gm09	50329802	50330801	Gmdrm	hypo	CHH	-0.0227
Gm09	50341349	50342344	Gmdrm	hypo	CHH	-0.0486
Gm09	50357460	50358459	Gmdrm	hypo	CHH	-0.0176
Gm09	50359472	50359834	Gmdrm	hypo	CHH	-0.095
Gm09	50360097	50361094	Gmdrm	hypo	CHH	-0.127
Gm09	50361107	50361969	Gmdrm	hypo	CHH	-0.0277
Gm09	50365488	50366480	Gmdrm	hypo	CHH	-0.0318
Gm09	50366503	50366671	Gmdrm	hypo	CHH	-0.0756
Gm09	50368876	50369817	Gmdrm	hypo	CHH	-0.0171
Gm09	50401347	50402343	Gmdrm	hypo	CHH	-0.0142
Gm09	50428427	50429426	Gmdrm	hypo	CHH	-0.0298
Gm09	50429435	50430411	Gmdrm	hypo	CHH	-0.0642
Gm09	50458033	50459024	Gmdrm	hypo	CHH	-0.0339
Gm09	50465100	50466100	Gmdrm	hypo	CHH	-0.0418
Gm09	50466103	50467090	Gmdrm	hypo	CHH	-0.0488
Gm09	50469424	50470424	Gmdrm	hypo	CHH	-0.0281
Gm09	50476668	50477035	Gmdrm	hypo	CHH	-0.03
Gm09	50479816	50480816	Gmdrm	hypo	CHH	-0.053
Gm09	50480822	50481810	Gmdrm	hypo	CHH	-0.0376
Gm09	50481830	50482829	Gmdrm	hypo	CHH	-0.0551
Gm09	50494652	50494835	Gmdrm	hypo	CHH	-0.055
Gm09	50500094	50501090	Gmdrm	hypo	CHH	-0.0223
Gm09	50501101	50502098	Gmdrm	hypo	CHH	-0.0416
Gm09	50502129	50503128	Gmdrm	hypo	CHH	-0.0166
Gm09	50506011	50506993	Gmdrm	hypo	CHH	-0.0178
Gm09	50510511	50511510	Gmdrm	hypo	CHH	-0.0719
Gm09	50511515	50512510	Gmdrm	hypo	CHH	-0.0963
Gm09	50512872	50513866	Gmdrm	hypo	CHH	-0.1251
Gm09	50513875	50514440	Gmdrm	hypo	CHH	-0.1734
Gm09	50520710	50521703	Gmdrm	hypo	CHH	-0.1497
Gm09	50528864	50529181	Gmdrm	hypo	CHH	-0.0273
Gm09	50531318	50532317	Gmdrm	hypo	CHH	-0.0792
Gm09	50543099	50544099	Gmdrm	hypo	CHH	-0.2068
Gm09	50544104	50545073	Gmdrm	hypo	CHH	-0.0745
Gm09	50551092	50552076	Gmdrm	hypo	CHH	-0.0522
Gm09	50564273	50564662	Gmdrm	hypo	CHH	-0.035

Gm09	50566303	50567303	Gmdrm	hypo	CHH	-0.0602
Gm09	50567305	50568212	Gmdrm	hypo	CHH	-0.1324
Gm09	50568698	50569690	Gmdrm	hypo	CHH	-0.0261
Gm09_scaffo	3126	4125	Gmdrm	hypo	CHH	-0.0834
Gm09_scaffo	4130	4925	Gmdrm	hypo	CHH	-0.1012
Gm09_scaffo	14778	15775	Gmdrm	hypo	CHH	-0.0257
Gm09_scaffo	15788	16777	Gmdrm	hypo	CHH	-0.0265
Gm09_scaffo	23715	24708	Gmdrm	hypo	CHH	-0.0366
Gm09_scaffo	25745	26215	Gmdrm	hypo	CHH	-0.126
Gm09_scaffo	27908	28907	Gmdrm	hypo	CHH	-0.1067
Gm09_scaffo	28926	29925	Gmdrm	hypo	CHH	-0.1179
Gm09_scaffo	29936	30814	Gmdrm	hypo	CHH	-0.1069
Gm09_scaffo	34552	35550	Gmdrm	hypo	CHH	-0.032
Gm09_scaffo	35554	36544	Gmdrm	hypo	CHH	-0.0438
Gm09_scaffo	40271	41269	Gmdrm	hypo	CHH	-0.0335
Gm09_scaffo	43346	44343	Gmdrm	hypo	CHH	-0.0195
Gm10	10622	11618	Gmdrm	hypo	CHH	-0.083
Gm10	33125	33832	Gmdrm	hypo	CHH	-0.0319
Gm10	49965	50957	Gmdrm	hypo	CHH	-0.0928
Gm10	50966	51572	Gmdrm	hypo	CHH	-0.1015
Gm10	61133	62132	Gmdrm	hypo	CHH	-0.0623
Gm10	62136	62456	Gmdrm	hypo	CHH	-0.2178
Gm10	62577	63576	Gmdrm	hypo	CHH	-0.0314
Gm10	87911	88910	Gmdrm	hypo	CHH	-0.0208
Gm10	104737	104946	Gmdrm	hypo	CHH	-0.0278
Gm10	111463	112427	Gmdrm	hypo	CHH	-0.0194
Gm10	128096	129089	Gmdrm	hypo	CHH	-0.0107
Gm10	145971	146954	Gmdrm	hypo	CHH	-0.0388
Gm10	148391	148617	Gmdrm	hypo	CHH	-0.06
Gm10	148757	149741	Gmdrm	hypo	CHH	-0.0837
Gm10	149783	150715	Gmdrm	hypo	CHH	-0.0666
Gm10	154556	155554	Gmdrm	hypo	CHH	-0.0211
Gm10	155563	156302	Gmdrm	hypo	CHH	-0.0386
Gm10	189996	190995	Gmdrm	hypo	CHH	-0.0217
Gm10	191005	191997	Gmdrm	hypo	CHH	-0.0182
Gm10	196073	197068	Gmdrm	hypo	CHH	-0.0129
Gm10	200085	201085	Gmdrm	hypo	CHH	-0.0955
Gm10	204115	205107	Gmdrm	hypo	CHH	-0.0148
Gm10	206226	207101	Gmdrm	hypo	CHH	-0.0444
Gm10	207381	208359	Gmdrm	hypo	CHH	-0.0258
Gm10	208385	209367	Gmdrm	hypo	CHH	-0.0231
Gm10	217973	218971	Gmdrm	hypo	CHH	-0.0642
Gm10	218974	219686	Gmdrm	hypo	CHH	-0.0535
Gm10	229647	229856	Gmdrm	hypo	CHH	-0.0385
Gm10	233041	234036	Gmdrm	hypo	CHH	-0.0117
Gm10	238456	239432	Gmdrm	hypo	CHH	-0.0237

Gm10	242326	243310 Gmdrm	hypo	CHH	-0.0217
Gm10	261986	262884 Gmdrm	hypo	CHH	-0.1386
Gm10	266584	267560 Gmdrm	hypo	CHH	-0.0832
Gm10	273851	274851 Gmdrm	hypo	CHH	-0.0758
Gm10	281087	282049 Gmdrm	hypo	CHH	-0.0148
Gm10	295215	296202 Gmdrm	hypo	CHH	-0.0157
Gm10	299816	299982 Gmdrm	hypo	CHH	-0.0512
Gm10	302015	302999 Gmdrm	hypo	CHH	-0.0163
Gm10	311221	312221 Gmdrm	hypo	CHH	-0.0101
Gm10	312236	313182 Gmdrm	hypo	CHH	-0.0101
Gm10	315352	315507 Gmdrm	hypo	CHH	-0.0244
Gm10	337375	337603 Gmdrm	hypo	CHH	-0.05
Gm10	337797	338775 Gmdrm	hypo	CHH	-0.0354
Gm10	338799	339794 Gmdrm	hypo	CHH	-0.1179
Gm10	343448	344274 Gmdrm	hypo	CHH	-0.0233
Gm10	344652	345642 Gmdrm	hypo	CHH	-0.0214
Gm10	349842	350841 Gmdrm	hypo	CHH	-0.0284
Gm10	353874	354869 Gmdrm	hypo	CHH	-0.101
Gm10	354885	355881 Gmdrm	hypo	CHH	-0.0468
Gm10	355888	356882 Gmdrm	hypo	CHH	-0.0566
Gm10	364161	365132 Gmdrm	hypo	CHH	-0.0631
Gm10	365175	366171 Gmdrm	hypo	CHH	-0.0513
Gm10	381302	381641 Gmdrm	hypo	CHH	-0.0314
Gm10	404800	405386 Gmdrm	hypo	CHH	-0.0226
Gm10	409792	409932 Gmdrm	hypo	CHH	-0.1012
Gm10	417565	418561 Gmdrm	hypo	CHH	-0.0136
Gm10	425319	426277 Gmdrm	hypo	CHH	-0.0128
Gm10	432709	433692 Gmdrm	hypo	CHH	-0.0141
Gm10	438789	439789 Gmdrm	hypo	CHH	-0.0227
Gm10	440797	441790 Gmdrm	hypo	CHH	-0.0468
Gm10	441801	442736 Gmdrm	hypo	CHH	-0.0339
Gm10	446925	447925 Gmdrm	hypo	CHH	-0.0516
Gm10	451270	451688 Gmdrm	hypo	CHH	-0.0879
Gm10	466587	466666 Gmdrm	hypo	CHH	-0.1282
Gm10	469582	470558 Gmdrm	hypo	CHH	-0.0153
Gm10	490490	491433 Gmdrm	hypo	CHH	-0.0266
Gm10	492718	493316 Gmdrm	hypo	CHH	-0.024
Gm10	495734	496732 Gmdrm	hypo	CHH	-0.0227
Gm10	496759	497736 Gmdrm	hypo	CHH	-0.0221
Gm10	523561	524535 Gmdrm	hypo	CHH	-0.0249
Gm10	532363	533333 Gmdrm	hypo	CHH	-0.0802
Gm10	533366	534349 Gmdrm	hypo	CHH	-0.0505
Gm10	554521	555082 Gmdrm	hypo	CHH	-0.0344
Gm10	557248	558243 Gmdrm	hypo	CHH	-0.023
Gm10	563550	564550 Gmdrm	hypo	CHH	-0.0296
Gm10	566069	566366 Gmdrm	hypo	CHH	-0.0265

Gm10	573570	574557 Gmdrm	hypo	CHH	-0.0476
Gm10	578949	579949 Gmdrm	hypo	CHH	-0.0379
Gm10	579952	580309 Gmdrm	hypo	CHH	-0.0273
Gm10	584221	585160 Gmdrm	hypo	CHH	-0.0177
Gm10	590505	591493 Gmdrm	hypo	CHH	-0.0525
Gm10	591517	592515 Gmdrm	hypo	CHH	-0.0885
Gm10	600323	601320 Gmdrm	hypo	CHH	-0.0341
Gm10	601324	602317 Gmdrm	hypo	CHH	-0.0263
Gm10	602326	603322 Gmdrm	hypo	CHH	-0.0464
Gm10	603333	604333 Gmdrm	hypo	CHH	-0.1159
Gm10	611938	612920 Gmdrm	hypo	CHH	-0.0162
Gm10	623211	624196 Gmdrm	hypo	CHH	-0.0903
Gm10	626273	627264 Gmdrm	hypo	CHH	-0.0132
Gm10	630305	631305 Gmdrm	hypo	CHH	-0.0207
Gm10	641176	642159 Gmdrm	hypo	CHH	-0.023
Gm10	642177	643168 Gmdrm	hypo	CHH	-0.0685
Gm10	645212	645829 Gmdrm	hypo	CHH	-0.1126
Gm10	652288	653265 Gmdrm	hypo	CHH	-0.0673
Gm10	665364	666008 Gmdrm	hypo	CHH	-0.0898
Gm10	671814	672200 Gmdrm	hypo	CHH	-0.0266
Gm10	676011	676993 Gmdrm	hypo	CHH	-0.0265
Gm10	682172	683170 Gmdrm	hypo	CHH	-0.0179
Gm10	697075	698075 Gmdrm	hypo	CHH	-0.0105
Gm10	698143	699088 Gmdrm	hypo	CHH	-0.0393
Gm10	708774	709757 Gmdrm	hypo	CHH	-0.0796
Gm10	727473	728462 Gmdrm	hypo	CHH	-0.0213
Gm10	731866	732836 Gmdrm	hypo	CHH	-0.0197
Gm10	739637	740633 Gmdrm	hypo	CHH	-0.0342
Gm10	740640	741623 Gmdrm	hypo	CHH	-0.065
Gm10	755014	755224 Gmdrm	hypo	CHH	-0.0415
Gm10	760608	761605 Gmdrm	hypo	CHH	-0.0133
Gm10	779506	780334 Gmdrm	hypo	CHH	-0.0179
Gm10	808733	809730 Gmdrm	hypo	CHH	-0.0613
Gm10	809739	810726 Gmdrm	hypo	CHH	-0.0876
Gm10	810906	811634 Gmdrm	hypo	CHH	-0.0134
Gm10	819339	820334 Gmdrm	hypo	CHH	-0.0883
Gm10	820347	821328 Gmdrm	hypo	CHH	-0.0844
Gm10	821350	822332 Gmdrm	hypo	CHH	-0.0359
Gm10	825695	826676 Gmdrm	hypo	CHH	-0.0154
Gm10	826711	827693 Gmdrm	hypo	CHH	-0.0301
Gm10	838515	839470 Gmdrm	hypo	CHH	-0.0192
Gm10	839520	840520 Gmdrm	hypo	CHH	-0.0147
Gm10	842250	843235 Gmdrm	hypo	CHH	-0.026
Gm10	844253	845227 Gmdrm	hypo	CHH	-0.0442
Gm10	868817	869817 Gmdrm	hypo	CHH	-0.0258
Gm10	870845	871835 Gmdrm	hypo	CHH	-0.1823

Gm10	897145	897621 Gmdrm	hypo	CHH	-0.0146
Gm10	902694	903693 Gmdrm	hypo	CHH	-0.0969
Gm10	903700	904683 Gmdrm	hypo	CHH	-0.0489
Gm10	904701	905697 Gmdrm	hypo	CHH	-0.0652
Gm10	906403	907402 Gmdrm	hypo	CHH	-0.1081
Gm10	907405	907521 Gmdrm	hypo	CHH	-0.1445
Gm10	913812	914499 Gmdrm	hypo	CHH	-0.0204
Gm10	916079	916868 Gmdrm	hypo	CHH	-0.0403
Gm10	927305	928253 Gmdrm	hypo	CHH	-0.0262
Gm10	939640	940145 Gmdrm	hypo	CHH	-0.0276
Gm10	950564	951168 Gmdrm	hypo	CHH	-0.1387
Gm10	951744	952739 Gmdrm	hypo	CHH	-0.0708
Gm10	957724	958721 Gmdrm	hypo	CHH	-0.146
Gm10	958729	959719 Gmdrm	hypo	CHH	-0.2072
Gm10	960013	960416 Gmdrm	hypo	CHH	-0.0378
Gm10	961530	962527 Gmdrm	hypo	CHH	-0.0196
Gm10	969214	970178 Gmdrm	hypo	CHH	-0.0287
Gm10	972409	973407 Gmdrm	hypo	CHH	-0.1049
Gm10	987953	988934 Gmdrm	hypo	CHH	-0.0292
Gm10	1000909	1001711 Gmdrm	hypo	CHH	-0.0259
Gm10	1002450	1002576 Gmdrm	hypo	CHH	-0.0338
Gm10	1004214	1005213 Gmdrm	hypo	CHH	-0.0136
Gm10	1018138	1019136 Gmdrm	hypo	CHH	-0.1411
Gm10	1019139	1020131 Gmdrm	hypo	CHH	-0.2015
Gm10	1040202	1040340 Gmdrm	hypo	CHH	-0.07
Gm10	1044061	1044305 Gmdrm	hypo	CHH	-0.0517
Gm10	1044531	1045525 Gmdrm	hypo	CHH	-0.1869
Gm10	1049726	1050704 Gmdrm	hypo	CHH	-0.1125
Gm10	1055928	1056922 Gmdrm	hypo	CHH	-0.0341
Gm10	1056930	1057927 Gmdrm	hypo	CHH	-0.0561
Gm10	1057941	1058900 Gmdrm	hypo	CHH	-0.0513
Gm10	1058942	1059940 Gmdrm	hypo	CHH	-0.0679
Gm10	1070518	1071275 Gmdrm	hypo	CHH	-0.362
Gm10	1077772	1078743 Gmdrm	hypo	CHH	-0.012
Gm10	1083344	1083885 Gmdrm	hypo	CHH	-0.0158
Gm10	1089722	1090716 Gmdrm	hypo	CHH	-0.1209
Gm10	1090723	1091714 Gmdrm	hypo	CHH	-0.0471
Gm10	1091741	1092739 Gmdrm	hypo	CHH	-0.0465
Gm10	1098250	1099201 Gmdrm	hypo	CHH	-0.0138
Gm10	1104450	1105444 Gmdrm	hypo	CHH	-0.0674
Gm10	1105451	1106434 Gmdrm	hypo	CHH	-0.0187
Gm10	1107281	1107420 Gmdrm	hypo	CHH	-0.0694
Gm10	1107528	1108513 Gmdrm	hypo	CHH	-0.0179
Gm10	1110570	1111557 Gmdrm	hypo	CHH	-0.0272
Gm10	1116212	1117198 Gmdrm	hypo	CHH	-0.0203
Gm10	1118227	1119187 Gmdrm	hypo	CHH	-0.0916

Gm10	1132827	1133823 Gmdrm	hypo	CHH	-0.0105
Gm10	1136497	1137495 Gmdrm	hypo	CHH	-0.0196
Gm10	1142281	1143235 Gmdrm	hypo	CHH	-0.0213
Gm10	1147566	1148561 Gmdrm	hypo	CHH	-0.0334
Gm10	1148568	1149550 Gmdrm	hypo	CHH	-0.0162
Gm10	1158977	1159968 Gmdrm	hypo	CHH	-0.0169
Gm10	1160009	1161004 Gmdrm	hypo	CHH	-0.0156
Gm10	1165018	1166014 Gmdrm	hypo	CHH	-0.169
Gm10	1166019	1166951 Gmdrm	hypo	CHH	-0.1352
Gm10	1169690	1170688 Gmdrm	hypo	CHH	-0.1373
Gm10	1187554	1188547 Gmdrm	hypo	CHH	-0.0496
Gm10	1188555	1189523 Gmdrm	hypo	CHH	-0.0296
Gm10	1194241	1194953 Gmdrm	hypo	CHH	-0.0154
Gm10	1209979	1210967 Gmdrm	hypo	CHH	-0.0139
Gm10	1210998	1211993 Gmdrm	hypo	CHH	-0.0747
Gm10	1244712	1245109 Gmdrm	hypo	CHH	-0.0314
Gm10	1254179	1255171 Gmdrm	hypo	CHH	-0.0761
Gm10	1255192	1256051 Gmdrm	hypo	CHH	-0.0172
Gm10	1260260	1261260 Gmdrm	hypo	CHH	-0.0129
Gm10	1273591	1274562 Gmdrm	hypo	CHH	-0.049
Gm10	1284988	1285417 Gmdrm	hypo	CHH	-0.0539
Gm10	1288415	1289386 Gmdrm	hypo	CHH	-0.0096
Gm10	1305561	1306559 Gmdrm	hypo	CHH	-0.1437
Gm10	1307674	1308309 Gmdrm	hypo	CHH	-0.0134
Gm10	1323226	1324216 Gmdrm	hypo	CHH	-0.0116
Gm10	1333386	1334364 Gmdrm	hypo	CHH	-0.0224
Gm10	1335612	1335962 Gmdrm	hypo	CHH	-0.0305
Gm10	1344206	1345188 Gmdrm	hypo	CHH	-0.2701
Gm10	1355298	1356297 Gmdrm	hypo	CHH	-0.0196
Gm10	1363635	1364633 Gmdrm	hypo	CHH	-0.0868
Gm10	1364641	1365638 Gmdrm	hypo	CHH	-0.0908
Gm10	1365656	1366656 Gmdrm	hypo	CHH	-0.0671
Gm10	1386199	1387012 Gmdrm	hypo	CHH	-0.0708
Gm10	1397425	1398360 Gmdrm	hypo	CHH	-0.0087
Gm10	1403895	1404177 Gmdrm	hypo	CHH	-0.103
Gm10	1407876	1408871 Gmdrm	hypo	CHH	-0.1246
Gm10	1408883	1409856 Gmdrm	hypo	CHH	-0.0895
Gm10	1409888	1410340 Gmdrm	hypo	CHH	-0.0608
Gm10	1411539	1411665 Gmdrm	hypo	CHH	-0.03
Gm10	1413825	1414811 Gmdrm	hypo	CHH	-0.0261
Gm10	1414844	1415844 Gmdrm	hypo	CHH	-0.0164
Gm10	1416907	1417886 Gmdrm	hypo	CHH	-0.2178
Gm10	1423741	1424736 Gmdrm	hypo	CHH	-0.0336
Gm10	1424746	1425738 Gmdrm	hypo	CHH	-0.0619
Gm10	1428134	1428547 Gmdrm	hypo	CHH	-0.0184
Gm10	1439973	1440969 Gmdrm	hypo	CHH	-0.0224

Gm10	1441699	1442408 Gmdrm	hypo	CHH	-0.034
Gm10	1458897	1458926 Gmdrm	hypo	CHH	-0.06
Gm10	1467970	1468172 Gmdrm	hypo	CHH	-0.0331
Gm10	1470630	1471624 Gmdrm	hypo	CHH	-0.2272
Gm10	1476844	1477759 Gmdrm	hypo	CHH	-0.2165
Gm10	1479092	1480091 Gmdrm	hypo	CHH	-0.0148
Gm10	1480489	1481475 Gmdrm	hypo	CHH	-0.0256
Gm10	1495407	1496403 Gmdrm	hypo	CHH	-0.0161
Gm10	1500258	1501257 Gmdrm	hypo	CHH	-0.0836
Gm10	1501636	1501852 Gmdrm	hypo	CHH	-0.12
Gm10	1517700	1518683 Gmdrm	hypo	CHH	-0.0502
Gm10	1531252	1532240 Gmdrm	hypo	CHH	-0.0209
Gm10	1538030	1538996 Gmdrm	hypo	CHH	-0.0283
Gm10	1540048	1541042 Gmdrm	hypo	CHH	-0.0131
Gm10	1556218	1557215 Gmdrm	hypo	CHH	-0.0192
Gm10	1575974	1576855 Gmdrm	hypo	CHH	-0.026
Gm10	1580649	1581644 Gmdrm	hypo	CHH	-0.0631
Gm10	1581658	1582326 Gmdrm	hypo	CHH	-0.0284
Gm10	1583437	1583786 Gmdrm	hypo	CHH	-0.0947
Gm10	1588055	1589039 Gmdrm	hypo	CHH	-0.0127
Gm10	1595999	1596997 Gmdrm	hypo	CHH	-0.0358
Gm10	1597026	1598025 Gmdrm	hypo	CHH	-0.0918
Gm10	1598053	1599036 Gmdrm	hypo	CHH	-0.0284
Gm10	1606230	1606895 Gmdrm	hypo	CHH	-0.0386
Gm10	1614911	1615899 Gmdrm	hypo	CHH	-0.017
Gm10	1616376	1617369 Gmdrm	hypo	CHH	-0.0178
Gm10	1628603	1629495 Gmdrm	hypo	CHH	-0.0198
Gm10	1631611	1632295 Gmdrm	hypo	CHH	-0.0531
Gm10	1632713	1633693 Gmdrm	hypo	CHH	-0.0274
Gm10	1637161	1638148 Gmdrm	hypo	CHH	-0.0215
Gm10	1643812	1643888 Gmdrm	hypo	CHH	-0.048
Gm10	1671790	1672775 Gmdrm	hypo	CHH	-0.016
Gm10	1674282	1674506 Gmdrm	hypo	CHH	-0.0331
Gm10	1694681	1695678 Gmdrm	hypo	CHH	-0.0511
Gm10	1708716	1709710 Gmdrm	hypo	CHH	-0.0214
Gm10	1718785	1719251 Gmdrm	hypo	CHH	-0.0253
Gm10	1721720	1722719 Gmdrm	hypo	CHH	-0.127
Gm10	1733405	1734401 Gmdrm	hypo	CHH	-0.0115
Gm10	1735095	1736069 Gmdrm	hypo	CHH	-0.0156
Gm10	1736099	1737097 Gmdrm	hypo	CHH	-0.3658
Gm10	1738120	1739092 Gmdrm	hypo	CHH	-0.0433
Gm10	1755877	1756454 Gmdrm	hypo	CHH	-0.0695
Gm10	1758573	1759572 Gmdrm	hypo	CHH	-0.0145
Gm10	1760580	1761575 Gmdrm	hypo	CHH	-0.0367
Gm10	1766912	1767907 Gmdrm	hypo	CHH	-0.0143
Gm10	1772308	1773295 Gmdrm	hypo	CHH	-0.011

Gm10	1784749	1785718	Gmdrm	hypo	CHH	-0.1425
Gm10	1796903	1797625	Gmdrm	hypo	CHH	-0.1166
Gm10	1811441	1812238	Gmdrm	hypo	CHH	-0.041
Gm10	1815828	1816825	Gmdrm	hypo	CHH	-0.068
Gm10	1817833	1818832	Gmdrm	hypo	CHH	-0.0652
Gm10	1818838	1819825	Gmdrm	hypo	CHH	-0.1109
Gm10	1819850	1820009	Gmdrm	hypo	CHH	-0.2804
Gm10	1820364	1821358	Gmdrm	hypo	CHH	-0.0193
Gm10	1831291	1831583	Gmdrm	hypo	CHH	-0.0335
Gm10	1852792	1853788	Gmdrm	hypo	CHH	-0.016
Gm10	1853794	1854108	Gmdrm	hypo	CHH	-0.0238
Gm10	1862827	1863770	Gmdrm	hypo	CHH	-0.0169
Gm10	1864837	1865826	Gmdrm	hypo	CHH	-0.0187
Gm10	1874101	1875097	Gmdrm	hypo	CHH	-0.0578
Gm10	1877313	1878307	Gmdrm	hypo	CHH	-0.4911
Gm10	1878314	1879194	Gmdrm	hypo	CHH	-0.068
Gm10	1881358	1881939	Gmdrm	hypo	CHH	-0.017
Gm10	1882071	1883063	Gmdrm	hypo	CHH	-0.0146
Gm10	1885089	1886031	Gmdrm	hypo	CHH	-0.036
Gm10	1902952	1903910	Gmdrm	hypo	CHH	-0.0184
Gm10	1918101	1918249	Gmdrm	hypo	CHH	-0.0339
Gm10	1929154	1930144	Gmdrm	hypo	CHH	-0.0508
Gm10	1940837	1941824	Gmdrm	hypo	CHH	-0.0568
Gm10	1966333	1967332	Gmdrm	hypo	CHH	-0.0157
Gm10	1967346	1968338	Gmdrm	hypo	CHH	-0.0628
Gm10	1968347	1969331	Gmdrm	hypo	CHH	-0.0449
Gm10	1973038	1974038	Gmdrm	hypo	CHH	-0.132
Gm10	1974041	1975030	Gmdrm	hypo	CHH	-0.1642
Gm10	2005126	2005691	Gmdrm	hypo	CHH	-0.0278
Gm10	2011039	2012022	Gmdrm	hypo	CHH	-0.02
Gm10	2017107	2018055	Gmdrm	hypo	CHH	-0.02
Gm10	2025250	2025978	Gmdrm	hypo	CHH	-0.0272
Gm10	2030126	2031126	Gmdrm	hypo	CHH	-0.0601
Gm10	2031129	2032067	Gmdrm	hypo	CHH	-0.063
Gm10	2037917	2038917	Gmdrm	hypo	CHH	-0.2602
Gm10	2038926	2039577	Gmdrm	hypo	CHH	-0.1508
Gm10	2039678	2040674	Gmdrm	hypo	CHH	-0.0717
Gm10	2040682	2041636	Gmdrm	hypo	CHH	-0.0754
Gm10	2041730	2042725	Gmdrm	hypo	CHH	-0.0697
Gm10	2042739	2043729	Gmdrm	hypo	CHH	-0.0492
Gm10	2044419	2045410	Gmdrm	hypo	CHH	-0.0169
Gm10	2045420	2046363	Gmdrm	hypo	CHH	-0.0253
Gm10	2051548	2052312	Gmdrm	hypo	CHH	-0.0181
Gm10	2058792	2059791	Gmdrm	hypo	CHH	-0.0211
Gm10	2059821	2060332	Gmdrm	hypo	CHH	-0.0231
Gm10	2065911	2066910	Gmdrm	hypo	CHH	-0.0201

Gm10	2071874	2072843	Gmdrm	hypo	CHH	-0.0317
Gm10	2084200	2085184	Gmdrm	hypo	CHH	-0.0224
Gm10	2088501	2089495	Gmdrm	hypo	CHH	-0.0125
Gm10	2090514	2091111	Gmdrm	hypo	CHH	-0.0204
Gm10	2091239	2091339	Gmdrm	hypo	CHH	-0.076
Gm10	2097043	2097326	Gmdrm	hypo	CHH	-0.042
Gm10	2106996	2107979	Gmdrm	hypo	CHH	-0.0221
Gm10	2110041	2111034	Gmdrm	hypo	CHH	-0.0542
Gm10	2123121	2124120	Gmdrm	hypo	CHH	-0.0729
Gm10	2124124	2125124	Gmdrm	hypo	CHH	-0.3344
Gm10	2125131	2126106	Gmdrm	hypo	CHH	-0.065
Gm10	2126143	2126940	Gmdrm	hypo	CHH	-0.0196
Gm10	2140738	2141302	Gmdrm	hypo	CHH	-0.0351
Gm10	2142620	2142858	Gmdrm	hypo	CHH	-0.0492
Gm10	2152871	2153608	Gmdrm	hypo	CHH	-0.0896
Gm10	2169405	2170386	Gmdrm	hypo	CHH	-0.0159
Gm10	2170420	2171415	Gmdrm	hypo	CHH	-0.0239
Gm10	2176965	2177958	Gmdrm	hypo	CHH	-0.0187
Gm10	2187316	2187773	Gmdrm	hypo	CHH	-0.0503
Gm10	2188204	2188405	Gmdrm	hypo	CHH	-0.1178
Gm10	2193751	2194746	Gmdrm	hypo	CHH	-0.0271
Gm10	2206808	2207022	Gmdrm	hypo	CHH	-0.058
Gm10	2209220	2209971	Gmdrm	hypo	CHH	-0.0176
Gm10	2218912	2219911	Gmdrm	hypo	CHH	-0.087
Gm10	2219921	2220283	Gmdrm	hypo	CHH	-0.0203
Gm10	2221444	2222433	Gmdrm	hypo	CHH	-0.1349
Gm10	2224872	2225864	Gmdrm	hypo	CHH	-0.0684
Gm10	2225893	2226889	Gmdrm	hypo	CHH	-0.1573
Gm10	2229934	2230639	Gmdrm	hypo	CHH	-0.0174
Gm10	2231786	2232779	Gmdrm	hypo	CHH	-0.2027
Gm10	2235494	2236464	Gmdrm	hypo	CHH	-0.0115
Gm10	2243098	2244096	Gmdrm	hypo	CHH	-0.0798
Gm10	2244105	2245093	Gmdrm	hypo	CHH	-0.0864
Gm10	2247814	2248805	Gmdrm	hypo	CHH	-0.0125
Gm10	2249073	2250071	Gmdrm	hypo	CHH	-0.0184
Gm10	2259533	2259676	Gmdrm	hypo	CHH	-0.06
Gm10	2266712	2267707	Gmdrm	hypo	CHH	-0.0266
Gm10	2267733	2268699	Gmdrm	hypo	CHH	-0.0236
Gm10	2281827	2282808	Gmdrm	hypo	CHH	-0.0412
Gm10	2300567	2301558	Gmdrm	hypo	CHH	-0.0308
Gm10	2306359	2307157	Gmdrm	hypo	CHH	-0.0214
Gm10	2313761	2314750	Gmdrm	hypo	CHH	-0.0159
Gm10	2319367	2320331	Gmdrm	hypo	CHH	-0.0157
Gm10	2324543	2325539	Gmdrm	hypo	CHH	-0.0267
Gm10	2325550	2326528	Gmdrm	hypo	CHH	-0.0372
Gm10	2331430	2332396	Gmdrm	hypo	CHH	-0.0316

Gm10	2332505	2333495	Gmdrm	hypo	CHH	-0.0211
Gm10	2333509	2334499	Gmdrm	hypo	CHH	-0.1034
Gm10	2344381	2345369	Gmdrm	hypo	CHH	-0.148
Gm10	2349450	2350431	Gmdrm	hypo	CHH	-0.0182
Gm10	2355538	2356529	Gmdrm	hypo	CHH	-0.0113
Gm10	2357099	2358099	Gmdrm	hypo	CHH	-0.1435
Gm10	2358107	2358504	Gmdrm	hypo	CHH	-0.3257
Gm10	2368137	2368516	Gmdrm	hypo	CHH	-0.0317
Gm10	2374025	2374808	Gmdrm	hypo	CHH	-0.0306
Gm10	2377086	2378065	Gmdrm	hypo	CHH	-0.2463
Gm10	2378108	2379098	Gmdrm	hypo	CHH	-0.014
Gm10	2401934	2402909	Gmdrm	hypo	CHH	-0.0152
Gm10	2404830	2405521	Gmdrm	hypo	CHH	-0.028
Gm10	2416564	2417559	Gmdrm	hypo	CHH	-0.0487
Gm10	2417584	2417860	Gmdrm	hypo	CHH	-0.0239
Gm10	2437356	2438334	Gmdrm	hypo	CHH	-0.0189
Gm10	2441405	2442395	Gmdrm	hypo	CHH	-0.0285
Gm10	2449699	2450151	Gmdrm	hypo	CHH	-0.0312
Gm10	2460902	2461127	Gmdrm	hypo	CHH	-0.0515
Gm10	2483701	2484675	Gmdrm	hypo	CHH	-0.0159
Gm10	2488687	2489681	Gmdrm	hypo	CHH	-0.073
Gm10	2490357	2491345	Gmdrm	hypo	CHH	-0.2223
Gm10	2509317	2510308	Gmdrm	hypo	CHH	-0.0216
Gm10	2510319	2511313	Gmdrm	hypo	CHH	-0.0245
Gm10	2511322	2512301	Gmdrm	hypo	CHH	-0.0202
Gm10	2519132	2520098	Gmdrm	hypo	CHH	-0.0685
Gm10	2520139	2521133	Gmdrm	hypo	CHH	-0.0803
Gm10	2523404	2524404	Gmdrm	hypo	CHH	-0.0159
Gm10	2525441	2526441	Gmdrm	hypo	CHH	-0.1937
Gm10	2526451	2527450	Gmdrm	hypo	CHH	-0.0357
Gm10	2553631	2554623	Gmdrm	hypo	CHH	-0.0213
Gm10	2554642	2555624	Gmdrm	hypo	CHH	-0.0411
Gm10	2562260	2563257	Gmdrm	hypo	CHH	-0.0127
Gm10	2571816	2572816	Gmdrm	hypo	CHH	-0.0773
Gm10	2572818	2573817	Gmdrm	hypo	CHH	-0.1552
Gm10	2576566	2577023	Gmdrm	hypo	CHH	-0.0422
Gm10	2587007	2587770	Gmdrm	hypo	CHH	-0.0307
Gm10	2630864	2631752	Gmdrm	hypo	CHH	-0.0107
Gm10	2631865	2632865	Gmdrm	hypo	CHH	-0.2248
Gm10	2644238	2645217	Gmdrm	hypo	CHH	-0.1601
Gm10	2651816	2652812	Gmdrm	hypo	CHH	-0.1983
Gm10	2662142	2663138	Gmdrm	hypo	CHH	-0.0238
Gm10	2665169	2666160	Gmdrm	hypo	CHH	-0.2018
Gm10	2679259	2680044	Gmdrm	hypo	CHH	-0.0135
Gm10	2685865	2686831	Gmdrm	hypo	CHH	-0.074
Gm10	2688943	2689943	Gmdrm	hypo	CHH	-0.0639

Gm10	2689946	2690946 Gmdrm	hypo	CHH	-0.0608
Gm10	2696041	2697021 Gmdrm	hypo	CHH	-0.0756
Gm10	2699914	2700907 Gmdrm	hypo	CHH	-0.0733
Gm10	2700917	2701896 Gmdrm	hypo	CHH	-0.0514
Gm10	2702324	2703317 Gmdrm	hypo	CHH	-0.016
Gm10	2705936	2706934 Gmdrm	hypo	CHH	-0.1149
Gm10	2709426	2710394 Gmdrm	hypo	CHH	-0.194
Gm10	2711102	2712083 Gmdrm	hypo	CHH	-0.4673
Gm10	2718081	2719061 Gmdrm	hypo	CHH	-0.0153
Gm10	2719105	2720046 Gmdrm	hypo	CHH	-0.0116
Gm10	2723078	2724077 Gmdrm	hypo	CHH	-0.2944
Gm10	2724085	2725071 Gmdrm	hypo	CHH	-0.1104
Gm10	2739225	2740219 Gmdrm	hypo	CHH	-0.016
Gm10	2764959	2765941 Gmdrm	hypo	CHH	-0.0167
Gm10	2777952	2778677 Gmdrm	hypo	CHH	-0.0463
Gm10	2787226	2788219 Gmdrm	hypo	CHH	-0.0736
Gm10	2788237	2789189 Gmdrm	hypo	CHH	-0.038
Gm10	2810427	2811426 Gmdrm	hypo	CHH	-0.0376
Gm10	2812433	2813267 Gmdrm	hypo	CHH	-0.0748
Gm10	2817038	2817718 Gmdrm	hypo	CHH	-0.0241
Gm10	2828944	2829941 Gmdrm	hypo	CHH	-0.0469
Gm10	2830004	2830972 Gmdrm	hypo	CHH	-0.0428
Gm10	2851191	2852189 Gmdrm	hypo	CHH	-0.0348
Gm10	2853217	2854207 Gmdrm	hypo	CHH	-0.0589
Gm10	2854222	2855218 Gmdrm	hypo	CHH	-0.0521
Gm10	2856245	2857196 Gmdrm	hypo	CHH	-0.0352
Gm10	2863813	2864801 Gmdrm	hypo	CHH	-0.0243
Gm10	2882741	2882955 Gmdrm	hypo	CHH	-0.0907
Gm10	2903795	2904761 Gmdrm	hypo	CHH	-0.0162
Gm10	2904803	2905799 Gmdrm	hypo	CHH	-0.1854
Gm10	2905825	2906190 Gmdrm	hypo	CHH	-0.0976
Gm10	2921112	2922111 Gmdrm	hypo	CHH	-0.1593
Gm10	2933760	2934754 Gmdrm	hypo	CHH	-0.0936
Gm10	2934772	2935748 Gmdrm	hypo	CHH	-0.0609
Gm10	2949983	2950040 Gmdrm	hypo	CHH	-0.0429
Gm10	2955079	2956032 Gmdrm	hypo	CHH	-0.03
Gm10	2959319	2960299 Gmdrm	hypo	CHH	-0.0582
Gm10	2961958	2962952 Gmdrm	hypo	CHH	-0.03
Gm10	2962962	2963351 Gmdrm	hypo	CHH	-0.0446
Gm10	2968107	2969106 Gmdrm	hypo	CHH	-0.1963
Gm10	2969117	2969915 Gmdrm	hypo	CHH	-0.0352
Gm10	2972771	2973508 Gmdrm	hypo	CHH	-0.0183
Gm10	2977375	2978375 Gmdrm	hypo	CHH	-0.0745
Gm10	2978397	2979387 Gmdrm	hypo	CHH	-0.0698
Gm10	2982486	2983480 Gmdrm	hypo	CHH	-0.0217
Gm10	2983505	2984495 Gmdrm	hypo	CHH	-0.0244

Gm10	2994240	2995240 Gmdrm	hypo	CHH	-0.0877
Gm10	2998606	2999597 Gmdrm	hypo	CHH	-0.0157
Gm10	3001434	3002397 Gmdrm	hypo	CHH	-0.0174
Gm10	3002443	3003415 Gmdrm	hypo	CHH	-0.0395
Gm10	3003458	3004429 Gmdrm	hypo	CHH	-0.0246
Gm10	3010283	3010857 Gmdrm	hypo	CHH	-0.1803
Gm10	3012166	3013151 Gmdrm	hypo	CHH	-0.023
Gm10	3017350	3018350 Gmdrm	hypo	CHH	-0.0601
Gm10	3018351	3019329 Gmdrm	hypo	CHH	-0.0906
Gm10	3026598	3027592 Gmdrm	hypo	CHH	-0.1888
Gm10	3041819	3042817 Gmdrm	hypo	CHH	-0.0332
Gm10	3042820	3043813 Gmdrm	hypo	CHH	-0.0164
Gm10	3050366	3051343 Gmdrm	hypo	CHH	-0.0111
Gm10	3054852	3055788 Gmdrm	hypo	CHH	-0.0425
Gm10	3063865	3064860 Gmdrm	hypo	CHH	-0.0946
Gm10	3075594	3076588 Gmdrm	hypo	CHH	-0.0427
Gm10	3078348	3079295 Gmdrm	hypo	CHH	-0.175
Gm10	3090058	3091043 Gmdrm	hypo	CHH	-0.0181
Gm10	3091082	3092082 Gmdrm	hypo	CHH	-0.0273
Gm10	3092117	3093116 Gmdrm	hypo	CHH	-0.0362
Gm10	3099789	3100787 Gmdrm	hypo	CHH	-0.0506
Gm10	3114992	3115582 Gmdrm	hypo	CHH	-0.0964
Gm10	3118384	3119382 Gmdrm	hypo	CHH	-0.0995
Gm10	3127554	3128533 Gmdrm	hypo	CHH	-0.0123
Gm10	3133291	3134257 Gmdrm	hypo	CHH	-0.0224
Gm10	3144903	3145268 Gmdrm	hypo	CHH	-0.0462
Gm10	3149088	3149536 Gmdrm	hypo	CHH	-0.041
Gm10	3149638	3150274 Gmdrm	hypo	CHH	-0.0104
Gm10	3165492	3166041 Gmdrm	hypo	CHH	-0.0197
Gm10	3170871	3171772 Gmdrm	hypo	CHH	-0.0737
Gm10	3175885	3176200 Gmdrm	hypo	CHH	-0.0209
Gm10	3197686	3198676 Gmdrm	hypo	CHH	-0.0227
Gm10	3198741	3199740 Gmdrm	hypo	CHH	-0.0221
Gm10	3199785	3200519 Gmdrm	hypo	CHH	-0.3399
Gm10	3201666	3202664 Gmdrm	hypo	CHH	-0.0139
Gm10	3202667	3203651 Gmdrm	hypo	CHH	-0.0423
Gm10	3203669	3204656 Gmdrm	hypo	CHH	-0.0235
Gm10	3213509	3214498 Gmdrm	hypo	CHH	-0.0736
Gm10	3222133	3222302 Gmdrm	hypo	CHH	-0.0374
Gm10	3226614	3227537 Gmdrm	hypo	CHH	-0.0233
Gm10	3228673	3229673 Gmdrm	hypo	CHH	-0.0304
Gm10	3229678	3230669 Gmdrm	hypo	CHH	-0.0685
Gm10	3232146	3232507 Gmdrm	hypo	CHH	-0.0433
Gm10	3233043	3233855 Gmdrm	hypo	CHH	-0.0411
Gm10	3238971	3239255 Gmdrm	hypo	CHH	-0.02
Gm10	3240380	3241110 Gmdrm	hypo	CHH	-0.114

Gm10	3249394	3250392	Gmdrm	hypo	CHH	-0.0141
Gm10	3251417	3252168	Gmdrm	hypo	CHH	-0.0266
Gm10	3254624	3255623	Gmdrm	hypo	CHH	-0.0612
Gm10	3255633	3256630	Gmdrm	hypo	CHH	-0.0338
Gm10	3261183	3262179	Gmdrm	hypo	CHH	-0.0194
Gm10	3262840	3263258	Gmdrm	hypo	CHH	-0.0227
Gm10	3276137	3277097	Gmdrm	hypo	CHH	-0.0739
Gm10	3280595	3280691	Gmdrm	hypo	CHH	-0.07
Gm10	3291566	3291880	Gmdrm	hypo	CHH	-0.05
Gm10	3307875	3308789	Gmdrm	hypo	CHH	-0.0237
Gm10	3311891	3312699	Gmdrm	hypo	CHH	-0.0272
Gm10	3316567	3317566	Gmdrm	hypo	CHH	-0.1413
Gm10	3319039	3320010	Gmdrm	hypo	CHH	-0.0412
Gm10	3331821	3332815	Gmdrm	hypo	CHH	-0.0144
Gm10	3341981	3342974	Gmdrm	hypo	CHH	-0.0163
Gm10	3349173	3350170	Gmdrm	hypo	CHH	-0.1076
Gm10	3350177	3351177	Gmdrm	hypo	CHH	-0.0541
Gm10	3351179	3352165	Gmdrm	hypo	CHH	-0.0417
Gm10	3353192	3353514	Gmdrm	hypo	CHH	-0.0212
Gm10	3357697	3358688	Gmdrm	hypo	CHH	-0.0246
Gm10	3358699	3359676	Gmdrm	hypo	CHH	-0.0447
Gm10	3376545	3376768	Gmdrm	hypo	CHH	-0.0407
Gm10	3378622	3379204	Gmdrm	hypo	CHH	-0.025
Gm10	3389469	3390042	Gmdrm	hypo	CHH	-0.066
Gm10	3397748	3398742	Gmdrm	hypo	CHH	-0.1719
Gm10	3398752	3399708	Gmdrm	hypo	CHH	-0.0218
Gm10	3404047	3405046	Gmdrm	hypo	CHH	-0.0519
Gm10	3408066	3409066	Gmdrm	hypo	CHH	-0.0737
Gm10	3434453	3435452	Gmdrm	hypo	CHH	-0.0202
Gm10	3435454	3436179	Gmdrm	hypo	CHH	-0.1888
Gm10	3438368	3439330	Gmdrm	hypo	CHH	-0.0178
Gm10	3443971	3444946	Gmdrm	hypo	CHH	-0.116
Gm10	3458467	3459428	Gmdrm	hypo	CHH	-0.0811
Gm10	3459475	3460458	Gmdrm	hypo	CHH	-0.0444
Gm10	3460476	3461473	Gmdrm	hypo	CHH	-0.0202
Gm10	3505032	3505997	Gmdrm	hypo	CHH	-0.228
Gm10	3516443	3517428	Gmdrm	hypo	CHH	-0.0313
Gm10	3517449	3518448	Gmdrm	hypo	CHH	-0.0865
Gm10	3518456	3519090	Gmdrm	hypo	CHH	-0.1049
Gm10	3524920	3525895	Gmdrm	hypo	CHH	-0.0195
Gm10	3525927	3526913	Gmdrm	hypo	CHH	-0.0621
Gm10	3531543	3532543	Gmdrm	hypo	CHH	-0.0165
Gm10	3537807	3538571	Gmdrm	hypo	CHH	-0.0182
Gm10	3538677	3539675	Gmdrm	hypo	CHH	-0.2028
Gm10	3572562	3572796	Gmdrm	hypo	CHH	-0.1098
Gm10	3581446	3582306	Gmdrm	hypo	CHH	-0.0256

Gm10	3585124	3586088 Gmdrm	hypo	CHH	-0.0397
Gm10	3588688	3588895 Gmdrm	hypo	CHH	-0.0393
Gm10	3601691	3602669 Gmdrm	hypo	CHH	-0.0175
Gm10	3606844	3607825 Gmdrm	hypo	CHH	-0.0215
Gm10	3615787	3616782 Gmdrm	hypo	CHH	-0.2333
Gm10	3616793	3617741 Gmdrm	hypo	CHH	-0.1012
Gm10	3618836	3619825 Gmdrm	hypo	CHH	-0.0192
Gm10	3620848	3621844 Gmdrm	hypo	CHH	-0.0343
Gm10	3629500	3630491 Gmdrm	hypo	CHH	-0.0142
Gm10	3631110	3632093 Gmdrm	hypo	CHH	-0.0527
Gm10	3633683	3634671 Gmdrm	hypo	CHH	-0.0241
Gm10	3644062	3645030 Gmdrm	hypo	CHH	-0.0307
Gm10	3646233	3647233 Gmdrm	hypo	CHH	-0.0201
Gm10	3655674	3656673 Gmdrm	hypo	CHH	-0.1023
Gm10	3660695	3661688 Gmdrm	hypo	CHH	-0.1636
Gm10	3680967	3681949 Gmdrm	hypo	CHH	-0.0332
Gm10	3688611	3689608 Gmdrm	hypo	CHH	-0.0596
Gm10	3689612	3690585 Gmdrm	hypo	CHH	-0.0741
Gm10	3690914	3691900 Gmdrm	hypo	CHH	-0.0381
Gm10	3692969	3693964 Gmdrm	hypo	CHH	-0.0242
Gm10	3718377	3719161 Gmdrm	hypo	CHH	-0.0383
Gm10	3720271	3721266 Gmdrm	hypo	CHH	-0.1321
Gm10	3731766	3732761 Gmdrm	hypo	CHH	-0.1454
Gm10	3732769	3733758 Gmdrm	hypo	CHH	-0.0361
Gm10	3733773	3733947 Gmdrm	hypo	CHH	-0.1814
Gm10	3734505	3735179 Gmdrm	hypo	CHH	-0.0802
Gm10	3738140	3739118 Gmdrm	hypo	CHH	-0.0142
Gm10	3742187	3743186 Gmdrm	hypo	CHH	-0.0285
Gm10	3744214	3744537 Gmdrm	hypo	CHH	-0.0329
Gm10	3744675	3745645 Gmdrm	hypo	CHH	-0.0556
Gm10	3755697	3756663 Gmdrm	hypo	CHH	-0.0128
Gm10	3756736	3757736 Gmdrm	hypo	CHH	-0.0286
Gm10	3766826	3767822 Gmdrm	hypo	CHH	-0.0888
Gm10	3767842	3768393 Gmdrm	hypo	CHH	-0.0489
Gm10	3775451	3776441 Gmdrm	hypo	CHH	-0.0273
Gm10	3778051	3779040 Gmdrm	hypo	CHH	-0.0323
Gm10	3791591	3792303 Gmdrm	hypo	CHH	-0.0197
Gm10	3797576	3798574 Gmdrm	hypo	CHH	-0.0803
Gm10	3802631	3803630 Gmdrm	hypo	CHH	-0.0367
Gm10	3803632	3804623 Gmdrm	hypo	CHH	-0.1851
Gm10	3804635	3805612 Gmdrm	hypo	CHH	-0.0616
Gm10	3807627	3808606 Gmdrm	hypo	CHH	-0.0332
Gm10	3811378	3812265 Gmdrm	hypo	CHH	-0.0138
Gm10	3824525	3824953 Gmdrm	hypo	CHH	-0.0343
Gm10	3834262	3835070 Gmdrm	hypo	CHH	-0.0148
Gm10	3836209	3837203 Gmdrm	hypo	CHH	-0.0382

Gm10	3839862	3840840	Gmdrm	hypo	CHH	-0.0216
Gm10	3850367	3851365	Gmdrm	hypo	CHH	-0.0526
Gm10	3851369	3852360	Gmdrm	hypo	CHH	-0.0825
Gm10	3855830	3856825	Gmdrm	hypo	CHH	-0.0192
Gm10	3872269	3872628	Gmdrm	hypo	CHH	-0.0904
Gm10	3876934	3877903	Gmdrm	hypo	CHH	-0.2041
Gm10	3887494	3888492	Gmdrm	hypo	CHH	-0.019
Gm10	3891796	3892537	Gmdrm	hypo	CHH	-0.0427
Gm10	3897168	3898163	Gmdrm	hypo	CHH	-0.1365
Gm10	3911159	3912156	Gmdrm	hypo	CHH	-0.0373
Gm10	3920144	3921136	Gmdrm	hypo	CHH	-0.288
Gm10	3921145	3922082	Gmdrm	hypo	CHH	-0.01
Gm10	3926287	3926356	Gmdrm	hypo	CHH	-0.0317
Gm10	3947191	3948187	Gmdrm	hypo	CHH	-0.2655
Gm10	3948199	3948349	Gmdrm	hypo	CHH	-0.5169
Gm10	3957505	3958424	Gmdrm	hypo	CHH	-0.1211
Gm10	3958559	3959557	Gmdrm	hypo	CHH	-0.0159
Gm10	3959588	3960575	Gmdrm	hypo	CHH	-0.1973
Gm10	3960601	3961597	Gmdrm	hypo	CHH	-0.0322
Gm10	3961679	3962677	Gmdrm	hypo	CHH	-0.0125
Gm10	3965726	3966723	Gmdrm	hypo	CHH	-0.019
Gm10	3971824	3972381	Gmdrm	hypo	CHH	-0.1374
Gm10	3972778	3973272	Gmdrm	hypo	CHH	-0.1166
Gm10	3989794	3990783	Gmdrm	hypo	CHH	-0.0201
Gm10	3990801	3991801	Gmdrm	hypo	CHH	-0.0232
Gm10	3993949	3994942	Gmdrm	hypo	CHH	-0.0779
Gm10	3994952	3995950	Gmdrm	hypo	CHH	-0.1281
Gm10	4003546	4004369	Gmdrm	hypo	CHH	-0.0292
Gm10	4005534	4006529	Gmdrm	hypo	CHH	-0.0593
Gm10	4008011	4008098	Gmdrm	hypo	CHH	-0.04
Gm10	4010436	4011431	Gmdrm	hypo	CHH	-0.0165
Gm10	4011440	4012433	Gmdrm	hypo	CHH	-0.0383
Gm10	4013502	4014498	Gmdrm	hypo	CHH	-0.0222
Gm10	4016553	4017544	Gmdrm	hypo	CHH	-0.0156
Gm10	4017897	4018095	Gmdrm	hypo	CHH	-0.0433
Gm10	4022433	4023238	Gmdrm	hypo	CHH	-0.0656
Gm10	4024078	4025042	Gmdrm	hypo	CHH	-0.1604
Gm10	4026851	4027836	Gmdrm	hypo	CHH	-0.0199
Gm10	4028995	4029994	Gmdrm	hypo	CHH	-0.0226
Gm10	4044325	4045322	Gmdrm	hypo	CHH	-0.0162
Gm10	4045617	4046617	Gmdrm	hypo	CHH	-0.0682
Gm10	4047622	4048620	Gmdrm	hypo	CHH	-0.0334
Gm10	4050980	4051352	Gmdrm	hypo	CHH	-0.0352
Gm10	4053279	4054271	Gmdrm	hypo	CHH	-0.1274
Gm10	4054284	4054951	Gmdrm	hypo	CHH	-0.0846
Gm10	4073581	4074580	Gmdrm	hypo	CHH	-0.11

Gm10	4074597	4075588 Gmdrm	hypo	CHH	-0.1609
Gm10	4081505	4082504 Gmdrm	hypo	CHH	-0.0236
Gm10	4082533	4083530 Gmdrm	hypo	CHH	-0.0207
Gm10	4083534	4083987 Gmdrm	hypo	CHH	-0.0203
Gm10	4085152	4085299 Gmdrm	hypo	CHH	-0.035
Gm10	4091018	4092017 Gmdrm	hypo	CHH	-0.0462
Gm10	4092019	4092963 Gmdrm	hypo	CHH	-0.0769
Gm10	4098576	4098619 Gmdrm	hypo	CHH	-0.056
Gm10	4098721	4099717 Gmdrm	hypo	CHH	-0.0102
Gm10	4101046	4102018 Gmdrm	hypo	CHH	-0.0164
Gm10	4117965	4118271 Gmdrm	hypo	CHH	-0.0517
Gm10	4118719	4119706 Gmdrm	hypo	CHH	-0.0173
Gm10	4120776	4121610 Gmdrm	hypo	CHH	-0.0246
Gm10	4138283	4139277 Gmdrm	hypo	CHH	-0.1177
Gm10	4139287	4140282 Gmdrm	hypo	CHH	-0.0206
Gm10	4151221	4152221 Gmdrm	hypo	CHH	-0.0893
Gm10	4155691	4156689 Gmdrm	hypo	CHH	-0.026
Gm10	4162137	4163137 Gmdrm	hypo	CHH	-0.128
Gm10	4163140	4164136 Gmdrm	hypo	CHH	-0.0713
Gm10	4170126	4170308 Gmdrm	hypo	CHH	-0.0389
Gm10	4174369	4175357 Gmdrm	hypo	CHH	-0.0221
Gm10	4180672	4181671 Gmdrm	hypo	CHH	-0.0438
Gm10	4202564	4203500 Gmdrm	hypo	CHH	-0.0406
Gm10	4205530	4206526 Gmdrm	hypo	CHH	-0.1952
Gm10	4206573	4207549 Gmdrm	hypo	CHH	-0.2466
Gm10	4218555	4219548 Gmdrm	hypo	CHH	-0.0147
Gm10	4219562	4220551 Gmdrm	hypo	CHH	-0.0371
Gm10	4226485	4227287 Gmdrm	hypo	CHH	-0.021
Gm10	4227801	4228793 Gmdrm	hypo	CHH	-0.0581
Gm10	4228804	4229803 Gmdrm	hypo	CHH	-0.0733
Gm10	4229806	4230375 Gmdrm	hypo	CHH	-0.038
Gm10	4232726	4233713 Gmdrm	hypo	CHH	-0.2117
Gm10	4235474	4236434 Gmdrm	hypo	CHH	-0.0199
Gm10	4240564	4241562 Gmdrm	hypo	CHH	-0.0104
Gm10	4243629	4244618 Gmdrm	hypo	CHH	-0.0288
Gm10	4248679	4249678 Gmdrm	hypo	CHH	-0.0722
Gm10	4249682	4250667 Gmdrm	hypo	CHH	-0.0314
Gm10	4258570	4259568 Gmdrm	hypo	CHH	-0.1006
Gm10	4259573	4260572 Gmdrm	hypo	CHH	-0.0628
Gm10	4266026	4267020 Gmdrm	hypo	CHH	-0.0117
Gm10	4274265	4275254 Gmdrm	hypo	CHH	-0.0358
Gm10	4279300	4280293 Gmdrm	hypo	CHH	-0.0482
Gm10	4296812	4297806 Gmdrm	hypo	CHH	-0.0279
Gm10	4309533	4310508 Gmdrm	hypo	CHH	-0.2064
Gm10	4323759	4324748 Gmdrm	hypo	CHH	-0.0316
Gm10	4327806	4328804 Gmdrm	hypo	CHH	-0.1012

Gm10	4337753	4338647 Gmdrm	hypo	CHH	-0.016
Gm10	4340346	4341346 Gmdrm	hypo	CHH	-0.2328
Gm10	4344839	4345692 Gmdrm	hypo	CHH	-0.0231
Gm10	4348541	4348714 Gmdrm	hypo	CHH	-0.065
Gm10	4367157	4368155 Gmdrm	hypo	CHH	-0.1662
Gm10	4368184	4369174 Gmdrm	hypo	CHH	-0.0741
Gm10	4376089	4377088 Gmdrm	hypo	CHH	-0.0153
Gm10	4383105	4384078 Gmdrm	hypo	CHH	-0.0228
Gm10	4384148	4385146 Gmdrm	hypo	CHH	-0.086
Gm10	4396126	4396942 Gmdrm	hypo	CHH	-0.0245
Gm10	4417370	4418350 Gmdrm	hypo	CHH	-0.014
Gm10	4431735	4432733 Gmdrm	hypo	CHH	-0.4516
Gm10	4432741	4433740 Gmdrm	hypo	CHH	-0.109
Gm10	4438057	4439033 Gmdrm	hypo	CHH	-0.068
Gm10	4444869	4445608 Gmdrm	hypo	CHH	-0.0192
Gm10	4467834	4468781 Gmdrm	hypo	CHH	-0.0176
Gm10	4472802	4473797 Gmdrm	hypo	CHH	-0.0248
Gm10	4477885	4478854 Gmdrm	hypo	CHH	-0.264
Gm10	4479179	4480166 Gmdrm	hypo	CHH	-0.0191
Gm10	4480191	4480410 Gmdrm	hypo	CHH	-0.04
Gm10	4486757	4487153 Gmdrm	hypo	CHH	-0.0117
Gm10	4498395	4498992 Gmdrm	hypo	CHH	-0.0149
Gm10	4499141	4500121 Gmdrm	hypo	CHH	-0.0169
Gm10	4506745	4507299 Gmdrm	hypo	CHH	-0.0311
Gm10	4509660	4510649 Gmdrm	hypo	CHH	-0.0152
Gm10	4522245	4522453 Gmdrm	hypo	CHH	-0.024
Gm10	4538111	4539076 Gmdrm	hypo	CHH	-0.0332
Gm10	4545908	4546887 Gmdrm	hypo	CHH	-0.1331
Gm10	4547977	4548977 Gmdrm	hypo	CHH	-0.0272
Gm10	4549008	4550008 Gmdrm	hypo	CHH	-0.1104
Gm10	4552052	4553050 Gmdrm	hypo	CHH	-0.051
Gm10	4553088	4553735 Gmdrm	hypo	CHH	-0.024
Gm10	4561334	4562291 Gmdrm	hypo	CHH	-0.014
Gm10	4565186	4566156 Gmdrm	hypo	CHH	-0.0582
Gm10	4566231	4567231 Gmdrm	hypo	CHH	-0.0121
Gm10	4574709	4575693 Gmdrm	hypo	CHH	-0.0164
Gm10	4578770	4579766 Gmdrm	hypo	CHH	-0.0121
Gm10	4584765	4585765 Gmdrm	hypo	CHH	-0.2271
Gm10	4585771	4586762 Gmdrm	hypo	CHH	-0.1245
Gm10	4599288	4600275 Gmdrm	hypo	CHH	-0.0605
Gm10	4600298	4600443 Gmdrm	hypo	CHH	-0.025
Gm10	4603266	4604258 Gmdrm	hypo	CHH	-0.0238
Gm10	4606567	4607552 Gmdrm	hypo	CHH	-0.0213
Gm10	4611665	4612642 Gmdrm	hypo	CHH	-0.0382
Gm10	4612671	4613652 Gmdrm	hypo	CHH	-0.0303
Gm10	4617717	4618713 Gmdrm	hypo	CHH	-0.0186

Gm10	4619730	4620703 Gmdrm	hypo	CHH	-0.0375
Gm10	4620748	4621744 Gmdrm	hypo	CHH	-0.0227
Gm10	4633501	4634444 Gmdrm	hypo	CHH	-0.0123
Gm10	4640354	4640669 Gmdrm	hypo	CHH	-0.0236
Gm10	4640774	4641767 Gmdrm	hypo	CHH	-0.0108
Gm10	4642799	4642858 Gmdrm	hypo	CHH	-0.15
Gm10	4642987	4643986 Gmdrm	hypo	CHH	-0.0691
Gm10	4648012	4648995 Gmdrm	hypo	CHH	-0.0585
Gm10	4663638	4664330 Gmdrm	hypo	CHH	-0.1038
Gm10	4678542	4679214 Gmdrm	hypo	CHH	-0.03
Gm10	4682107	4683090 Gmdrm	hypo	CHH	-0.0298
Gm10	4684179	4685036 Gmdrm	hypo	CHH	-0.1179
Gm10	4700015	4701000 Gmdrm	hypo	CHH	-0.0137
Gm10	4701033	4702014 Gmdrm	hypo	CHH	-0.1288
Gm10	4716613	4717603 Gmdrm	hypo	CHH	-0.023
Gm10	4717616	4718571 Gmdrm	hypo	CHH	-0.1401
Gm10	4719630	4720624 Gmdrm	hypo	CHH	-0.0618
Gm10	4726082	4727056 Gmdrm	hypo	CHH	-0.0151
Gm10	4728393	4729393 Gmdrm	hypo	CHH	-0.064
Gm10	4729394	4730380 Gmdrm	hypo	CHH	-0.0667
Gm10	4732502	4732825 Gmdrm	hypo	CHH	-0.0262
Gm10	4736854	4736900 Gmdrm	hypo	CHH	-0.058
Gm10	4742324	4742867 Gmdrm	hypo	CHH	-0.1207
Gm10	4748776	4749760 Gmdrm	hypo	CHH	-0.0176
Gm10	4750799	4751772 Gmdrm	hypo	CHH	-0.0727
Gm10	4754376	4754478 Gmdrm	hypo	CHH	-0.049
Gm10	4762399	4762959 Gmdrm	hypo	CHH	-0.3146
Gm10	4766446	4767430 Gmdrm	hypo	CHH	-0.0409
Gm10	4771558	4772557 Gmdrm	hypo	CHH	-0.015
Gm10	4790885	4791884 Gmdrm	hypo	CHH	-0.0475
Gm10	4791906	4792897 Gmdrm	hypo	CHH	-0.0245
Gm10	4801702	4802687 Gmdrm	hypo	CHH	-0.026
Gm10	4809293	4810254 Gmdrm	hypo	CHH	-0.3451
Gm10	4810299	4811289 Gmdrm	hypo	CHH	-0.1407
Gm10	4812309	4813280 Gmdrm	hypo	CHH	-0.0147
Gm10	4831635	4832635 Gmdrm	hypo	CHH	-0.0543
Gm10	4835723	4836710 Gmdrm	hypo	CHH	-0.1307
Gm10	4838796	4839791 Gmdrm	hypo	CHH	-0.0611
Gm10	4839812	4840588 Gmdrm	hypo	CHH	-0.0263
Gm10	4844673	4844772 Gmdrm	hypo	CHH	-0.04
Gm10	4847107	4848078 Gmdrm	hypo	CHH	-0.044
Gm10	4848123	4849115 Gmdrm	hypo	CHH	-0.0673
Gm10	4852543	4853543 Gmdrm	hypo	CHH	-0.0291
Gm10	4855460	4855760 Gmdrm	hypo	CHH	-0.0275
Gm10	4856914	4857910 Gmdrm	hypo	CHH	-0.0517
Gm10	4857940	4858887 Gmdrm	hypo	CHH	-0.0278

Gm10	4860152	4860821 Gmdrm	hypo	CHH	-0.0131
Gm10	4860964	4861942 Gmdrm	hypo	CHH	-0.1297
Gm10	4863600	4864591 Gmdrm	hypo	CHH	-0.0354
Gm10	4868608	4869577 Gmdrm	hypo	CHH	-0.034
Gm10	4870623	4871617 Gmdrm	hypo	CHH	-0.065
Gm10	4875666	4876665 Gmdrm	hypo	CHH	-0.0863
Gm10	4876669	4877110 Gmdrm	hypo	CHH	-0.1617
Gm10	4877522	4878508 Gmdrm	hypo	CHH	-0.0532
Gm10	4879200	4880195 Gmdrm	hypo	CHH	-0.0213
Gm10	4895458	4895869 Gmdrm	hypo	CHH	-0.1078
Gm10	4897935	4898929 Gmdrm	hypo	CHH	-0.1101
Gm10	4902000	4902998 Gmdrm	hypo	CHH	-0.0823
Gm10	4903003	4903998 Gmdrm	hypo	CHH	-0.0902
Gm10	4920473	4921448 Gmdrm	hypo	CHH	-0.0302
Gm10	4924491	4925194 Gmdrm	hypo	CHH	-0.0189
Gm10	4930900	4931896 Gmdrm	hypo	CHH	-0.0629
Gm10	4942372	4943370 Gmdrm	hypo	CHH	-0.0161
Gm10	4947395	4948391 Gmdrm	hypo	CHH	-0.0965
Gm10	4950525	4951525 Gmdrm	hypo	CHH	-0.065
Gm10	4957105	4958063 Gmdrm	hypo	CHH	-0.0804
Gm10	4959082	4959660 Gmdrm	hypo	CHH	-0.0177
Gm10	4961784	4962549 Gmdrm	hypo	CHH	-0.0185
Gm10	4967040	4968005 Gmdrm	hypo	CHH	-0.0422
Gm10	4968046	4969045 Gmdrm	hypo	CHH	-0.0373
Gm10	4975552	4976516 Gmdrm	hypo	CHH	-0.0266
Gm10	4993950	4994933 Gmdrm	hypo	CHH	-0.0271
Gm10	4996603	4997248 Gmdrm	hypo	CHH	-0.0512
Gm10	5005126	5006112 Gmdrm	hypo	CHH	-0.1025
Gm10	5006135	5007116 Gmdrm	hypo	CHH	-0.1067
Gm10	5007750	5008739 Gmdrm	hypo	CHH	-0.0208
Gm10	5017059	5018045 Gmdrm	hypo	CHH	-0.2118
Gm10	5027397	5027755 Gmdrm	hypo	CHH	-0.021
Gm10	5034535	5035533 Gmdrm	hypo	CHH	-0.0541
Gm10	5035539	5035973 Gmdrm	hypo	CHH	-0.0525
Gm10	5036084	5037052 Gmdrm	hypo	CHH	-0.0198
Gm10	5037738	5037844 Gmdrm	hypo	CHH	-0.0643
Gm10	5040687	5041684 Gmdrm	hypo	CHH	-0.0317
Gm10	5048714	5049431 Gmdrm	hypo	CHH	-0.0467
Gm10	5049584	5049792 Gmdrm	hypo	CHH	-0.1
Gm10	5052255	5053249 Gmdrm	hypo	CHH	-0.0314
Gm10	5060323	5061303 Gmdrm	hypo	CHH	-0.0361
Gm10	5080399	5081398 Gmdrm	hypo	CHH	-0.0654
Gm10	5081400	5082379 Gmdrm	hypo	CHH	-0.0973
Gm10	5093574	5094565 Gmdrm	hypo	CHH	-0.2306
Gm10	5101244	5102243 Gmdrm	hypo	CHH	-0.2176
Gm10	5102353	5103351 Gmdrm	hypo	CHH	-0.0202

Gm10	5119472	5120467	Gmdrm	hypo	CHH	-0.0851
Gm10	5120476	5121464	Gmdrm	hypo	CHH	-0.056
Gm10	5133971	5134905	Gmdrm	hypo	CHH	-0.2313
Gm10	5145177	5146177	Gmdrm	hypo	CHH	-0.0248
Gm10	5148744	5149736	Gmdrm	hypo	CHH	-0.0512
Gm10	5149765	5150563	Gmdrm	hypo	CHH	-0.0315
Gm10	5162394	5163335	Gmdrm	hypo	CHH	-0.0843
Gm10	5163581	5164567	Gmdrm	hypo	CHH	-0.0481
Gm10	5164585	5165578	Gmdrm	hypo	CHH	-0.0429
Gm10	5165603	5166584	Gmdrm	hypo	CHH	-0.0232
Gm10	5166618	5167608	Gmdrm	hypo	CHH	-0.1353
Gm10	5167619	5168616	Gmdrm	hypo	CHH	-0.1785
Gm10	5173282	5174276	Gmdrm	hypo	CHH	-0.0366
Gm10	5178214	5179207	Gmdrm	hypo	CHH	-0.1198
Gm10	5179215	5180214	Gmdrm	hypo	CHH	-0.1803
Gm10	5183430	5184417	Gmdrm	hypo	CHH	-0.0248
Gm10	5184432	5185431	Gmdrm	hypo	CHH	-0.019
Gm10	5190527	5191527	Gmdrm	hypo	CHH	-0.1116
Gm10	5191531	5192006	Gmdrm	hypo	CHH	-0.166
Gm10	5192137	5193127	Gmdrm	hypo	CHH	-0.1313
Gm10	5201215	5201839	Gmdrm	hypo	CHH	-0.0645
Gm10	5202976	5203920	Gmdrm	hypo	CHH	-0.0169
Gm10	5205023	5206017	Gmdrm	hypo	CHH	-0.0706
Gm10	5206027	5207026	Gmdrm	hypo	CHH	-0.1035
Gm10	5208968	5209966	Gmdrm	hypo	CHH	-0.0871
Gm10	5232448	5233431	Gmdrm	hypo	CHH	-0.0099
Gm10	5244508	5245507	Gmdrm	hypo	CHH	-0.0226
Gm10	5261004	5261958	Gmdrm	hypo	CHH	-0.083
Gm10	5282027	5283022	Gmdrm	hypo	CHH	-0.3022
Gm10	5283033	5284032	Gmdrm	hypo	CHH	-0.1034
Gm10	5290859	5291858	Gmdrm	hypo	CHH	-0.15
Gm10	5291860	5292852	Gmdrm	hypo	CHH	-0.142
Gm10	5292861	5293838	Gmdrm	hypo	CHH	-0.0392
Gm10	5303255	5304255	Gmdrm	hypo	CHH	-0.0767
Gm10	5306645	5307439	Gmdrm	hypo	CHH	-0.0584
Gm10	5311835	5312052	Gmdrm	hypo	CHH	-0.0334
Gm10	5312482	5313475	Gmdrm	hypo	CHH	-0.0133
Gm10	5318716	5319715	Gmdrm	hypo	CHH	-0.069
Gm10	5319735	5320727	Gmdrm	hypo	CHH	-0.0904
Gm10	5320737	5321736	Gmdrm	hypo	CHH	-0.1148
Gm10	5323743	5324730	Gmdrm	hypo	CHH	-0.0674
Gm10	5324751	5325734	Gmdrm	hypo	CHH	-0.0485
Gm10	5329594	5330518	Gmdrm	hypo	CHH	-0.0702
Gm10	5334323	5335296	Gmdrm	hypo	CHH	-0.0236
Gm10	5342147	5343131	Gmdrm	hypo	CHH	-0.0838
Gm10	5350762	5351760	Gmdrm	hypo	CHH	-0.1123

Gm10	5362068	5362988	Gmdrm	hypo	CHH	-0.032
Gm10	5363325	5364323	Gmdrm	hypo	CHH	-0.0353
Gm10	5375736	5376727	Gmdrm	hypo	CHH	-0.0338
Gm10	5377780	5378776	Gmdrm	hypo	CHH	-0.0161
Gm10	5383993	5384419	Gmdrm	hypo	CHH	-0.0212
Gm10	5391587	5392583	Gmdrm	hypo	CHH	-0.1008
Gm10	5397630	5398493	Gmdrm	hypo	CHH	-0.0593
Gm10	5414605	5415591	Gmdrm	hypo	CHH	-0.0576
Gm10	5415610	5416602	Gmdrm	hypo	CHH	-0.0731
Gm10	5416613	5417602	Gmdrm	hypo	CHH	-0.0284
Gm10	5429566	5430563	Gmdrm	hypo	CHH	-0.0874
Gm10	5430581	5431575	Gmdrm	hypo	CHH	-0.0769
Gm10	5431593	5432570	Gmdrm	hypo	CHH	-0.1277
Gm10	5438479	5439147	Gmdrm	hypo	CHH	-0.0182
Gm10	5454782	5455446	Gmdrm	hypo	CHH	-0.0165
Gm10	5459073	5459904	Gmdrm	hypo	CHH	-0.0241
Gm10	5462336	5463329	Gmdrm	hypo	CHH	-0.0498
Gm10	5466351	5467320	Gmdrm	hypo	CHH	-0.0617
Gm10	5473200	5474200	Gmdrm	hypo	CHH	-0.0308
Gm10	5474209	5474815	Gmdrm	hypo	CHH	-0.0804
Gm10	5478613	5479607	Gmdrm	hypo	CHH	-0.1108
Gm10	5486736	5487706	Gmdrm	hypo	CHH	-0.0365
Gm10	5493094	5494088	Gmdrm	hypo	CHH	-0.0948
Gm10	5494095	5495082	Gmdrm	hypo	CHH	-0.093
Gm10	5506914	5507911	Gmdrm	hypo	CHH	-0.058
Gm10	5510945	5511942	Gmdrm	hypo	CHH	-0.0314
Gm10	5512160	5513142	Gmdrm	hypo	CHH	-0.0127
Gm10	5539311	5540296	Gmdrm	hypo	CHH	-0.0488
Gm10	5554581	5555580	Gmdrm	hypo	CHH	-0.0188
Gm10	5555584	5556569	Gmdrm	hypo	CHH	-0.0371
Gm10	5558120	5559018	Gmdrm	hypo	CHH	-0.0107
Gm10	5561065	5562046	Gmdrm	hypo	CHH	-0.0473
Gm10	5562070	5563058	Gmdrm	hypo	CHH	-0.064
Gm10	5563072	5564072	Gmdrm	hypo	CHH	-0.0669
Gm10	5577847	5578843	Gmdrm	hypo	CHH	-0.0338
Gm10	5586757	5587742	Gmdrm	hypo	CHH	-0.0367
Gm10	5588273	5589202	Gmdrm	hypo	CHH	-0.2289
Gm10	5589499	5590493	Gmdrm	hypo	CHH	-0.0422
Gm10	5591549	5592549	Gmdrm	hypo	CHH	-0.0475
Gm10	5609516	5610500	Gmdrm	hypo	CHH	-0.1436
Gm10	5625195	5626161	Gmdrm	hypo	CHH	-0.0234
Gm10	5627204	5628202	Gmdrm	hypo	CHH	-0.1005
Gm10	5632701	5633640	Gmdrm	hypo	CHH	-0.0905
Gm10	5633721	5634713	Gmdrm	hypo	CHH	-0.0543
Gm10	5638175	5639169	Gmdrm	hypo	CHH	-0.0243
Gm10	5640208	5641200	Gmdrm	hypo	CHH	-0.0467

Gm10	5668397	5668819	Gmdrm	hypo	CHH	-0.074
Gm10	5673301	5673640	Gmdrm	hypo	CHH	-0.1143
Gm10	5708703	5709145	Gmdrm	hypo	CHH	-0.0531
Gm10	5709328	5710328	Gmdrm	hypo	CHH	-0.0792
Gm10	5710345	5711342	Gmdrm	hypo	CHH	-0.0863
Gm10	5711364	5712362	Gmdrm	hypo	CHH	-0.1018
Gm10	5712373	5713372	Gmdrm	hypo	CHH	-0.1237
Gm10	5713380	5714379	Gmdrm	hypo	CHH	-0.1042
Gm10	5714381	5715363	Gmdrm	hypo	CHH	-0.0595
Gm10	5715385	5716381	Gmdrm	hypo	CHH	-0.0212
Gm10	5718152	5719132	Gmdrm	hypo	CHH	-0.0747
Gm10	5722402	5723381	Gmdrm	hypo	CHH	-0.0405
Gm10	5726583	5727558	Gmdrm	hypo	CHH	-0.0406
Gm10	5733725	5734723	Gmdrm	hypo	CHH	-0.0145
Gm10	5738914	5739913	Gmdrm	hypo	CHH	-0.0559
Gm10	5739915	5740889	Gmdrm	hypo	CHH	-0.0957
Gm10	5741611	5742580	Gmdrm	hypo	CHH	-0.0522
Gm10	5743624	5744617	Gmdrm	hypo	CHH	-0.058
Gm10	5744626	5745195	Gmdrm	hypo	CHH	-0.0355
Gm10	5764930	5765930	Gmdrm	hypo	CHH	-0.041
Gm10	5798840	5799814	Gmdrm	hypo	CHH	-0.0347
Gm10	5801882	5802421	Gmdrm	hypo	CHH	-0.0491
Gm10	5804550	5804644	Gmdrm	hypo	CHH	-0.0172
Gm10	5806545	5806666	Gmdrm	hypo	CHH	-0.0778
Gm10	5814663	5815633	Gmdrm	hypo	CHH	-0.0418
Gm10	5825914	5826898	Gmdrm	hypo	CHH	-0.054
Gm10	5826918	5827903	Gmdrm	hypo	CHH	-0.0552
Gm10	5827920	5828918	Gmdrm	hypo	CHH	-0.0406
Gm10	5830951	5831951	Gmdrm	hypo	CHH	-0.0485
Gm10	5831952	5832393	Gmdrm	hypo	CHH	-0.1554
Gm10	5835290	5835579	Gmdrm	hypo	CHH	-0.0777
Gm10	5837178	5838178	Gmdrm	hypo	CHH	-0.1224
Gm10	5838183	5839172	Gmdrm	hypo	CHH	-0.0999
Gm10	5839191	5839493	Gmdrm	hypo	CHH	-0.1315
Gm10	5850567	5851059	Gmdrm	hypo	CHH	-0.0487
Gm10	5851269	5852259	Gmdrm	hypo	CHH	-0.0513
Gm10	5857301	5858296	Gmdrm	hypo	CHH	-0.1288
Gm10	5858311	5859306	Gmdrm	hypo	CHH	-0.0209
Gm10	5863015	5863601	Gmdrm	hypo	CHH	-0.0278
Gm10	5867619	5868610	Gmdrm	hypo	CHH	-0.0358
Gm10	5870041	5871038	Gmdrm	hypo	CHH	-0.0472
Gm10	5871042	5872030	Gmdrm	hypo	CHH	-0.0366
Gm10	5872067	5873056	Gmdrm	hypo	CHH	-0.2769
Gm10	5874890	5875883	Gmdrm	hypo	CHH	-0.0256
Gm10	5884723	5885722	Gmdrm	hypo	CHH	-0.0697
Gm10	5886745	5887732	Gmdrm	hypo	CHH	-0.0577

Gm10	5887749	5888745 Gmdrm	hypo	CHH	-0.0829
Gm10	5890783	5891762 Gmdrm	hypo	CHH	-0.0169
Gm10	5896424	5897417 Gmdrm	hypo	CHH	-0.0357
Gm10	5897430	5898423 Gmdrm	hypo	CHH	-0.0281
Gm10	5902572	5903567 Gmdrm	hypo	CHH	-0.014
Gm10	5918192	5918308 Gmdrm	hypo	CHH	-0.0464
Gm10	5923465	5924463 Gmdrm	hypo	CHH	-0.0469
Gm10	5929464	5930454 Gmdrm	hypo	CHH	-0.012
Gm10	5936513	5937467 Gmdrm	hypo	CHH	-0.0153
Gm10	5962429	5963403 Gmdrm	hypo	CHH	-0.1298
Gm10	5964456	5964584 Gmdrm	hypo	CHH	-0.05
Gm10	5983794	5983934 Gmdrm	hypo	CHH	-0.032
Gm10	5987093	5988060 Gmdrm	hypo	CHH	-0.2768
Gm10	5991229	5992225 Gmdrm	hypo	CHH	-0.0135
Gm10	5992762	5993760 Gmdrm	hypo	CHH	-0.2279
Gm10	5993765	5994760 Gmdrm	hypo	CHH	-0.1188
Gm10	6008482	6008764 Gmdrm	hypo	CHH	-0.2023
Gm10	6010582	6011575 Gmdrm	hypo	CHH	-0.0278
Gm10	6011596	6012572 Gmdrm	hypo	CHH	-0.036
Gm10	6015091	6016083 Gmdrm	hypo	CHH	-0.0465
Gm10	6016097	6017087 Gmdrm	hypo	CHH	-0.0243
Gm10	6026875	6027870 Gmdrm	hypo	CHH	-0.0575
Gm10	6029961	6030956 Gmdrm	hypo	CHH	-0.1668
Gm10	6037650	6038102 Gmdrm	hypo	CHH	-0.0157
Gm10	6038228	6038792 Gmdrm	hypo	CHH	-0.0961
Gm10	6043935	6043998 Gmdrm	hypo	CHH	-0.119
Gm10	6064906	6065879 Gmdrm	hypo	CHH	-0.0467
Gm10	6075395	6076385 Gmdrm	hypo	CHH	-0.1371
Gm10	6076397	6077389 Gmdrm	hypo	CHH	-0.0675
Gm10	6089801	6090784 Gmdrm	hypo	CHH	-0.0865
Gm10	6096496	6096757 Gmdrm	hypo	CHH	-0.104
Gm10	6109775	6110774 Gmdrm	hypo	CHH	-0.0208
Gm10	6114725	6115672 Gmdrm	hypo	CHH	-0.0184
Gm10	6134803	6135090 Gmdrm	hypo	CHH	-0.0315
Gm10	6137215	6137364 Gmdrm	hypo	CHH	-0.0295
Gm10	6141840	6142827 Gmdrm	hypo	CHH	-0.0555
Gm10	6158224	6159213 Gmdrm	hypo	CHH	-0.0136
Gm10	6162541	6162848 Gmdrm	hypo	CHH	-0.0312
Gm10	6174925	6175924 Gmdrm	hypo	CHH	-0.0735
Gm10	6175927	6176925 Gmdrm	hypo	CHH	-0.0207
Gm10	6176928	6177883 Gmdrm	hypo	CHH	-0.0309
Gm10	6200165	6201159 Gmdrm	hypo	CHH	-0.0164
Gm10	6206802	6207801 Gmdrm	hypo	CHH	-0.0397
Gm10	6210363	6211363 Gmdrm	hypo	CHH	-0.0644
Gm10	6211364	6212351 Gmdrm	hypo	CHH	-0.0919
Gm10	6213412	6214408 Gmdrm	hypo	CHH	-0.0182

Gm10	6231359	6232340 Gmdrm	hypo	CHH	-0.0154
Gm10	6232360	6232446 Gmdrm	hypo	CHH	-0.029
Gm10	6232552	6233546 Gmdrm	hypo	CHH	-0.0557
Gm10	6235246	6236211 Gmdrm	hypo	CHH	-0.0201
Gm10	6243476	6244465 Gmdrm	hypo	CHH	-0.0309
Gm10	6244482	6245475 Gmdrm	hypo	CHH	-0.0509
Gm10	6248660	6248835 Gmdrm	hypo	CHH	-0.0258
Gm10	6252221	6252937 Gmdrm	hypo	CHH	-0.0215
Gm10	6259161	6260154 Gmdrm	hypo	CHH	-0.012
Gm10	6282464	6283460 Gmdrm	hypo	CHH	-0.0688
Gm10	6283466	6284454 Gmdrm	hypo	CHH	-0.0305
Gm10	6292050	6293048 Gmdrm	hypo	CHH	-0.0986
Gm10	6297262	6298259 Gmdrm	hypo	CHH	-0.0346
Gm10	6298265	6299263 Gmdrm	hypo	CHH	-0.0786
Gm10	6299266	6299785 Gmdrm	hypo	CHH	-0.0646
Gm10	6318988	6319975 Gmdrm	hypo	CHH	-0.0269
Gm10	6319991	6320991 Gmdrm	hypo	CHH	-0.0548
Gm10	6321000	6321981 Gmdrm	hypo	CHH	-0.0614
Gm10	6322429	6322773 Gmdrm	hypo	CHH	-0.0152
Gm10	6323938	6324495 Gmdrm	hypo	CHH	-0.016
Gm10	6326541	6326679 Gmdrm	hypo	CHH	-0.042
Gm10	6339682	6340671 Gmdrm	hypo	CHH	-0.022
Gm10	6345999	6346999 Gmdrm	hypo	CHH	-0.0306
Gm10	6347003	6347994 Gmdrm	hypo	CHH	-0.0425
Gm10	6364231	6365176 Gmdrm	hypo	CHH	-0.0172
Gm10	6367249	6368249 Gmdrm	hypo	CHH	-0.0312
Gm10	6368254	6369248 Gmdrm	hypo	CHH	-0.0562
Gm10	6384320	6384730 Gmdrm	hypo	CHH	-0.0357
Gm10	6388510	6389507 Gmdrm	hypo	CHH	-0.0632
Gm10	6389512	6390440 Gmdrm	hypo	CHH	-0.0156
Gm10	6404319	6405315 Gmdrm	hypo	CHH	-0.0294
Gm10	6408616	6409558 Gmdrm	hypo	CHH	-0.0279
Gm10	6431323	6432315 Gmdrm	hypo	CHH	-0.0179
Gm10	6434585	6435580 Gmdrm	hypo	CHH	-0.0108
Gm10	6436592	6437571 Gmdrm	hypo	CHH	-0.1663
Gm10	6441185	6442183 Gmdrm	hypo	CHH	-0.154
Gm10	6448209	6449198 Gmdrm	hypo	CHH	-0.0297
Gm10	6449243	6450211 Gmdrm	hypo	CHH	-0.0672
Gm10	6450254	6451233 Gmdrm	hypo	CHH	-0.0213
Gm10	6454274	6455267 Gmdrm	hypo	CHH	-0.257
Gm10	6464707	6465696 Gmdrm	hypo	CHH	-0.031
Gm10	6473106	6473680 Gmdrm	hypo	CHH	-0.0526
Gm10	6482550	6483547 Gmdrm	hypo	CHH	-0.0343
Gm10	6484646	6485627 Gmdrm	hypo	CHH	-0.0356
Gm10	6485672	6486672 Gmdrm	hypo	CHH	-0.0835
Gm10	6519861	6520847 Gmdrm	hypo	CHH	-0.0596

Gm10	6526940	6527928	Gmdrm	hypo	CHH	-0.0651
Gm10	6527950	6528937	Gmdrm	hypo	CHH	-0.1785
Gm10	6533773	6534767	Gmdrm	hypo	CHH	-0.2161
Gm10	6534782	6535781	Gmdrm	hypo	CHH	-0.0907
Gm10	6535789	6536784	Gmdrm	hypo	CHH	-0.0222
Gm10	6536795	6537795	Gmdrm	hypo	CHH	-0.0194
Gm10	6537804	6538217	Gmdrm	hypo	CHH	-0.0896
Gm10	6543489	6544486	Gmdrm	hypo	CHH	-0.0326
Gm10	6550233	6551233	Gmdrm	hypo	CHH	-0.0127
Gm10	6554571	6555544	Gmdrm	hypo	CHH	-0.0143
Gm10	6562785	6563744	Gmdrm	hypo	CHH	-0.0153
Gm10	6563801	6564534	Gmdrm	hypo	CHH	-0.1375
Gm10	6580446	6581433	Gmdrm	hypo	CHH	-0.0292
Gm10	6582046	6583029	Gmdrm	hypo	CHH	-0.0141
Gm10	6587376	6588358	Gmdrm	hypo	CHH	-0.0166
Gm10	6594630	6595399	Gmdrm	hypo	CHH	-0.0153
Gm10	6604271	6605271	Gmdrm	hypo	CHH	-0.083
Gm10	6605291	6606234	Gmdrm	hypo	CHH	-0.0216
Gm10	6615160	6616158	Gmdrm	hypo	CHH	-0.0619
Gm10	6630989	6631253	Gmdrm	hypo	CHH	-0.0505
Gm10	6634382	6635369	Gmdrm	hypo	CHH	-0.0158
Gm10	6635398	6635878	Gmdrm	hypo	CHH	-0.3211
Gm10	6639068	6639776	Gmdrm	hypo	CHH	-0.0159
Gm10	6640009	6640981	Gmdrm	hypo	CHH	-0.016
Gm10	6641022	6642006	Gmdrm	hypo	CHH	-0.2276
Gm10	6644128	6645125	Gmdrm	hypo	CHH	-0.0157
Gm10	6645139	6646123	Gmdrm	hypo	CHH	-0.0579
Gm10	6654808	6655789	Gmdrm	hypo	CHH	-0.0165
Gm10	6658127	6659080	Gmdrm	hypo	CHH	-0.0191
Gm10	6683556	6684552	Gmdrm	hypo	CHH	-0.079
Gm10	6703807	6704779	Gmdrm	hypo	CHH	-0.0987
Gm10	6706220	6707215	Gmdrm	hypo	CHH	-0.0552
Gm10	6726078	6727053	Gmdrm	hypo	CHH	-0.1716
Gm10	6734002	6734998	Gmdrm	hypo	CHH	-0.0821
Gm10	6735003	6735724	Gmdrm	hypo	CHH	-0.0966
Gm10	6748620	6749601	Gmdrm	hypo	CHH	-0.0205
Gm10	6751678	6752653	Gmdrm	hypo	CHH	-0.2603
Gm10	6758467	6759467	Gmdrm	hypo	CHH	-0.0685
Gm10	6767510	6768298	Gmdrm	hypo	CHH	-0.0578
Gm10	6776421	6777412	Gmdrm	hypo	CHH	-0.0567
Gm10	6795653	6796634	Gmdrm	hypo	CHH	-0.0089
Gm10	6797098	6798096	Gmdrm	hypo	CHH	-0.024
Gm10	6800145	6801127	Gmdrm	hypo	CHH	-0.2338
Gm10	6810946	6811194	Gmdrm	hypo	CHH	-0.0435
Gm10	6815915	6816910	Gmdrm	hypo	CHH	-0.09
Gm10	6816916	6817860	Gmdrm	hypo	CHH	-0.124

Gm10	6819872	6820174	Gmdrm	hypo	CHH	-0.1422
Gm10	6820552	6821423	Gmdrm	hypo	CHH	-0.0193
Gm10	6821536	6822536	Gmdrm	hypo	CHH	-0.0226
Gm10	6824290	6825276	Gmdrm	hypo	CHH	-0.0246
Gm10	6826815	6827270	Gmdrm	hypo	CHH	-0.1123
Gm10	6829409	6830371	Gmdrm	hypo	CHH	-0.0129
Gm10	6937145	6938054	Gmdrm	hypo	CHH	-0.0131
Gm10	6938474	6939472	Gmdrm	hypo	CHH	-0.0643
Gm10	6943516	6944411	Gmdrm	hypo	CHH	-0.0752
Gm10	6946921	6947887	Gmdrm	hypo	CHH	-0.0374
Gm10	6980473	6981470	Gmdrm	hypo	CHH	-0.019
Gm10	6981474	6981864	Gmdrm	hypo	CHH	-0.1159
Gm10	6982215	6983211	Gmdrm	hypo	CHH	-0.0246
Gm10	6986830	6987826	Gmdrm	hypo	CHH	-0.0156
Gm10	7003909	7004137	Gmdrm	hypo	CHH	-0.0792
Gm10	7007268	7008266	Gmdrm	hypo	CHH	-0.0208
Gm10	7023258	7024240	Gmdrm	hypo	CHH	-0.025
Gm10	7042977	7043965	Gmdrm	hypo	CHH	-0.0354
Gm10	7044821	7045077	Gmdrm	hypo	CHH	-0.0289
Gm10	7053286	7054276	Gmdrm	hypo	CHH	-0.0518
Gm10	7054290	7055276	Gmdrm	hypo	CHH	-0.0908
Gm10	7065720	7066535	Gmdrm	hypo	CHH	-0.1331
Gm10	7076079	7076523	Gmdrm	hypo	CHH	-0.1418
Gm10	7076643	7077626	Gmdrm	hypo	CHH	-0.0271
Gm10	7078760	7079756	Gmdrm	hypo	CHH	-0.1218
Gm10	7079767	7080761	Gmdrm	hypo	CHH	-0.0257
Gm10	7082579	7083576	Gmdrm	hypo	CHH	-0.0145
Gm10	7094656	7095617	Gmdrm	hypo	CHH	-0.0452
Gm10	7101502	7102459	Gmdrm	hypo	CHH	-0.0191
Gm10	7130378	7131372	Gmdrm	hypo	CHH	-0.0174
Gm10	7150536	7151536	Gmdrm	hypo	CHH	-0.0477
Gm10	7151538	7152523	Gmdrm	hypo	CHH	-0.0474
Gm10	7152543	7153542	Gmdrm	hypo	CHH	-0.023
Gm10	7153544	7154543	Gmdrm	hypo	CHH	-0.0659
Gm10	7157562	7158373	Gmdrm	hypo	CHH	-0.0682
Gm10	7158788	7159441	Gmdrm	hypo	CHH	-0.2251
Gm10	7160228	7160372	Gmdrm	hypo	CHH	-0.0777
Gm10	7174031	7175023	Gmdrm	hypo	CHH	-0.0207
Gm10	7177089	7178078	Gmdrm	hypo	CHH	-0.0442
Gm10	7178096	7179092	Gmdrm	hypo	CHH	-0.0479
Gm10	7179097	7179431	Gmdrm	hypo	CHH	-0.0817
Gm10	7179643	7180633	Gmdrm	hypo	CHH	-0.0313
Gm10	7180659	7181628	Gmdrm	hypo	CHH	-0.0179
Gm10	7182664	7183643	Gmdrm	hypo	CHH	-0.0176
Gm10	7183676	7184666	Gmdrm	hypo	CHH	-0.0261
Gm10	7186672	7187645	Gmdrm	hypo	CHH	-0.1118

Gm10	7196364	7197354	Gmdrm	hypo	CHH	-0.0135
Gm10	7199006	7199401	Gmdrm	hypo	CHH	-0.0319
Gm10	7200913	7201905	Gmdrm	hypo	CHH	-0.0907
Gm10	7201914	7202599	Gmdrm	hypo	CHH	-0.1097
Gm10	7229221	7230203	Gmdrm	hypo	CHH	-0.0986
Gm10	7230245	7230657	Gmdrm	hypo	CHH	-0.2798
Gm10	7232073	7232179	Gmdrm	hypo	CHH	-0.0631
Gm10	7237695	7238689	Gmdrm	hypo	CHH	-0.0274
Gm10	7242000	7242995	Gmdrm	hypo	CHH	-0.0335
Gm10	7243001	7243999	Gmdrm	hypo	CHH	-0.0315
Gm10	7255292	7255788	Gmdrm	hypo	CHH	-0.0793
Gm10	7267247	7268232	Gmdrm	hypo	CHH	-0.0265
Gm10	7270819	7271805	Gmdrm	hypo	CHH	-0.0172
Gm10	7273624	7274513	Gmdrm	hypo	CHH	-0.0198
Gm10	7276665	7277660	Gmdrm	hypo	CHH	-0.0355
Gm10	7293183	7293900	Gmdrm	hypo	CHH	-0.1923
Gm10	7295055	7296036	Gmdrm	hypo	CHH	-0.0327
Gm10	7317513	7318513	Gmdrm	hypo	CHH	-0.1757
Gm10	7318514	7318826	Gmdrm	hypo	CHH	-0.1791
Gm10	7323799	7324742	Gmdrm	hypo	CHH	-0.0203
Gm10	7329953	7330621	Gmdrm	hypo	CHH	-0.0431
Gm10	7331430	7332428	Gmdrm	hypo	CHH	-0.0131
Gm10	7337503	7338458	Gmdrm	hypo	CHH	-0.0187
Gm10	7340359	7341356	Gmdrm	hypo	CHH	-0.0334
Gm10	7348385	7349385	Gmdrm	hypo	CHH	-0.0608
Gm10	7356530	7356917	Gmdrm	hypo	CHH	-0.0324
Gm10	7360114	7361114	Gmdrm	hypo	CHH	-0.0343
Gm10	7361117	7362069	Gmdrm	hypo	CHH	-0.0199
Gm10	7363159	7364158	Gmdrm	hypo	CHH	-0.0516
Gm10	7365285	7366282	Gmdrm	hypo	CHH	-0.0764
Gm10	7380787	7381773	Gmdrm	hypo	CHH	-0.0235
Gm10	7386653	7387624	Gmdrm	hypo	CHH	-0.036
Gm10	7389895	7390895	Gmdrm	hypo	CHH	-0.0229
Gm10	7392595	7393590	Gmdrm	hypo	CHH	-0.0427
Gm10	7393606	7394342	Gmdrm	hypo	CHH	-0.0345
Gm10	7395464	7396438	Gmdrm	hypo	CHH	-0.0384
Gm10	7396496	7397053	Gmdrm	hypo	CHH	-0.0111
Gm10	7452173	7453148	Gmdrm	hypo	CHH	-0.0232
Gm10	7456067	7457067	Gmdrm	hypo	CHH	-0.0242
Gm10	7458432	7459432	Gmdrm	hypo	CHH	-0.0558
Gm10	7459435	7460420	Gmdrm	hypo	CHH	-0.0907
Gm10	7461724	7462724	Gmdrm	hypo	CHH	-0.0152
Gm10	7475800	7476782	Gmdrm	hypo	CHH	-0.1666
Gm10	7486436	7487436	Gmdrm	hypo	CHH	-0.043
Gm10	7491523	7492518	Gmdrm	hypo	CHH	-0.0464
Gm10	7509902	7510895	Gmdrm	hypo	CHH	-0.0145

Gm10	7513134	7514127 Gmdrm	hypo	CHH	-0.0189
Gm10	7514158	7514596 Gmdrm	hypo	CHH	-0.0406
Gm10	7520350	7521347 Gmdrm	hypo	CHH	-0.0146
Gm10	7531941	7532920 Gmdrm	hypo	CHH	-0.017
Gm10	7542990	7543990 Gmdrm	hypo	CHH	-0.0285
Gm10	7543992	7544992 Gmdrm	hypo	CHH	-0.0745
Gm10	7548015	7548978 Gmdrm	hypo	CHH	-0.065
Gm10	7555120	7555593 Gmdrm	hypo	CHH	-0.0291
Gm10	7575894	7576882 Gmdrm	hypo	CHH	-0.0312
Gm10	7579454	7580441 Gmdrm	hypo	CHH	-0.0214
Gm10	7587809	7588259 Gmdrm	hypo	CHH	-0.0225
Gm10	7600230	7601227 Gmdrm	hypo	CHH	-0.0983
Gm10	7601234	7602233 Gmdrm	hypo	CHH	-0.1156
Gm10	7619223	7620196 Gmdrm	hypo	CHH	-0.0688
Gm10	7625729	7626720 Gmdrm	hypo	CHH	-0.0406
Gm10	7626733	7627732 Gmdrm	hypo	CHH	-0.0459
Gm10	7629762	7630762 Gmdrm	hypo	CHH	-0.0883
Gm10	7630765	7631762 Gmdrm	hypo	CHH	-0.2331
Gm10	7635139	7635563 Gmdrm	hypo	CHH	-0.0197
Gm10	7635673	7636644 Gmdrm	hypo	CHH	-0.195
Gm10	7652443	7653409 Gmdrm	hypo	CHH	-0.0239
Gm10	7680575	7680766 Gmdrm	hypo	CHH	-0.0346
Gm10	7681904	7682757 Gmdrm	hypo	CHH	-0.0206
Gm10	7682862	7683851 Gmdrm	hypo	CHH	-0.0311
Gm10	7683865	7684853 Gmdrm	hypo	CHH	-0.0939
Gm10	7696809	7697053 Gmdrm	hypo	CHH	-0.0524
Gm10	7700871	7701853 Gmdrm	hypo	CHH	-0.0121
Gm10	7708765	7709376 Gmdrm	hypo	CHH	-0.0203
Gm10	7711504	7712503 Gmdrm	hypo	CHH	-0.1752
Gm10	7713135	7714132 Gmdrm	hypo	CHH	-0.0267
Gm10	7730050	7731038 Gmdrm	hypo	CHH	-0.025
Gm10	7731054	7732018 Gmdrm	hypo	CHH	-0.0281
Gm10	7732740	7733735 Gmdrm	hypo	CHH	-0.185
Gm10	7736524	7737505 Gmdrm	hypo	CHH	-0.0311
Gm10	7907921	7908894 Gmdrm	hypo	CHH	-0.0179
Gm10	7911965	7912320 Gmdrm	hypo	CHH	-0.0568
Gm10	7987828	7987962 Gmdrm	hypo	CHH	-0.1626
Gm10	8344665	8345368 Gmdrm	hypo	CHH	-0.1564
Gm10	8346211	8346605 Gmdrm	hypo	CHH	-0.0232
Gm10	8367746	8368597 Gmdrm	hypo	CHH	-0.0409
Gm10	8425265	8426207 Gmdrm	hypo	CHH	-0.034
Gm10	8456324	8457269 Gmdrm	hypo	CHH	-0.0533
Gm10	8466762	8467762 Gmdrm	hypo	CHH	-0.0796
Gm10	8467766	8468750 Gmdrm	hypo	CHH	-0.0705
Gm10	8468770	8469770 Gmdrm	hypo	CHH	-0.0386
Gm10	8512882	8513834 Gmdrm	hypo	CHH	-0.1049

Gm10	8513892	8514892	Gmdrm	hypo	CHH	-0.0427
Gm10	8522258	8523250	Gmdrm	hypo	CHH	-0.1754
Gm10	8523263	8524263	Gmdrm	hypo	CHH	-0.0975
Gm10	8524269	8524514	Gmdrm	hypo	CHH	-0.0796
Gm10	8525686	8526642	Gmdrm	hypo	CHH	-0.0283
Gm10	8541747	8542735	Gmdrm	hypo	CHH	-0.1247
Gm10	8545623	8546616	Gmdrm	hypo	CHH	-0.0393
Gm10	8546639	8546852	Gmdrm	hypo	CHH	-0.1067
Gm10	8559411	8559761	Gmdrm	hypo	CHH	-0.0993
Gm10	8570870	8571838	Gmdrm	hypo	CHH	-0.0136
Gm10	8572919	8573913	Gmdrm	hypo	CHH	-0.056
Gm10	8582031	8582464	Gmdrm	hypo	CHH	-0.0587
Gm10	8595567	8596558	Gmdrm	hypo	CHH	-0.0474
Gm10	8601281	8601551	Gmdrm	hypo	CHH	-0.0536
Gm10	8606480	8607467	Gmdrm	hypo	CHH	-0.0347
Gm10	8611569	8612562	Gmdrm	hypo	CHH	-0.1241
Gm10	8617856	8618856	Gmdrm	hypo	CHH	-0.0612
Gm10	8618857	8619857	Gmdrm	hypo	CHH	-0.047
Gm10	8620866	8620951	Gmdrm	hypo	CHH	-0.0763
Gm10	8622082	8622684	Gmdrm	hypo	CHH	-0.02
Gm10	8624111	8625078	Gmdrm	hypo	CHH	-0.0153
Gm10	8628109	8629099	Gmdrm	hypo	CHH	-0.0712
Gm10	8633214	8634211	Gmdrm	hypo	CHH	-0.0303
Gm10	8634216	8635207	Gmdrm	hypo	CHH	-0.061
Gm10	8635235	8635900	Gmdrm	hypo	CHH	-0.0309
Gm10	8638289	8639288	Gmdrm	hypo	CHH	-0.0956
Gm10	8639299	8639513	Gmdrm	hypo	CHH	-0.113
Gm10	8639696	8640673	Gmdrm	hypo	CHH	-0.1542
Gm10	8640709	8641236	Gmdrm	hypo	CHH	-0.0181
Gm10	8673474	8674438	Gmdrm	hypo	CHH	-0.0223
Gm10	8681228	8682165	Gmdrm	hypo	CHH	-0.0258
Gm10	8682239	8683237	Gmdrm	hypo	CHH	-0.0241
Gm10	8714641	8715630	Gmdrm	hypo	CHH	-0.0237
Gm10	8718196	8719191	Gmdrm	hypo	CHH	-0.0257
Gm10	8722023	8722178	Gmdrm	hypo	CHH	-0.0423
Gm10	8735063	8736021	Gmdrm	hypo	CHH	-0.0211
Gm10	8771803	8771986	Gmdrm	hypo	CHH	-0.0373
Gm10	8772087	8773036	Gmdrm	hypo	CHH	-0.0245
Gm10	8773372	8774368	Gmdrm	hypo	CHH	-0.0344
Gm10	8775907	8776905	Gmdrm	hypo	CHH	-0.0336
Gm10	8778768	8779757	Gmdrm	hypo	CHH	-0.0349
Gm10	8833341	8834339	Gmdrm	hypo	CHH	-0.0194
Gm10	8834382	8835368	Gmdrm	hypo	CHH	-0.0702
Gm10	8835886	8836885	Gmdrm	hypo	CHH	-0.0544
Gm10	8836899	8837891	Gmdrm	hypo	CHH	-0.0377
Gm10	8837902	8838900	Gmdrm	hypo	CHH	-0.0253

Gm10	8852798	8853795	Gmdrm	hypo	CHH	-0.0122
Gm10	8854844	8855841	Gmdrm	hypo	CHH	-0.0194
Gm10	8855845	8856830	Gmdrm	hypo	CHH	-0.0448
Gm10	8856846	8857843	Gmdrm	hypo	CHH	-0.0353
Gm10	8857848	8858841	Gmdrm	hypo	CHH	-0.0238
Gm10	8860661	8861651	Gmdrm	hypo	CHH	-0.0938
Gm10	8874289	8875280	Gmdrm	hypo	CHH	-0.0184
Gm10	8897533	8898329	Gmdrm	hypo	CHH	-0.0366
Gm10	8922215	8923211	Gmdrm	hypo	CHH	-0.0736
Gm10	8923216	8923562	Gmdrm	hypo	CHH	-0.0629
Gm10	8924692	8925692	Gmdrm	hypo	CHH	-0.031
Gm10	8972981	8973979	Gmdrm	hypo	CHH	-0.0562
Gm10	8975978	8976976	Gmdrm	hypo	CHH	-0.0355
Gm10	8979003	8979990	Gmdrm	hypo	CHH	-0.0416
Gm10	8990936	8991882	Gmdrm	hypo	CHH	-0.0172
Gm10	9015553	9016547	Gmdrm	hypo	CHH	-0.0511
Gm10	9016554	9017550	Gmdrm	hypo	CHH	-0.1918
Gm10	9018568	9018703	Gmdrm	hypo	CHH	-0.1014
Gm10	9021377	9022374	Gmdrm	hypo	CHH	-0.0514
Gm10	9038775	9039760	Gmdrm	hypo	CHH	-0.2621
Gm10	9043257	9044256	Gmdrm	hypo	CHH	-0.2851
Gm10	9044258	9045196	Gmdrm	hypo	CHH	-0.3077
Gm10	9086230	9087226	Gmdrm	hypo	CHH	-0.0257
Gm10	9115728	9115882	Gmdrm	hypo	CHH	-0.0929
Gm10	9117236	9118217	Gmdrm	hypo	CHH	-0.0218
Gm10	9136491	9137490	Gmdrm	hypo	CHH	-0.0198
Gm10	9137588	9138584	Gmdrm	hypo	CHH	-0.0305
Gm10	9223594	9224586	Gmdrm	hypo	CHH	-0.036
Gm10	9226634	9227619	Gmdrm	hypo	CHH	-0.0161
Gm10	9246609	9247608	Gmdrm	hypo	CHH	-0.0196
Gm10	9252258	9253253	Gmdrm	hypo	CHH	-0.0716
Gm10	9280214	9281212	Gmdrm	hypo	CHH	-0.0703
Gm10	9281216	9281761	Gmdrm	hypo	CHH	-0.1397
Gm10	9286305	9287303	Gmdrm	hypo	CHH	-0.0265
Gm10	9293813	9294812	Gmdrm	hypo	CHH	-0.0622
Gm10	9296851	9297631	Gmdrm	hypo	CHH	-0.0717
Gm10	9299930	9300929	Gmdrm	hypo	CHH	-0.106
Gm10	9303659	9304651	Gmdrm	hypo	CHH	-0.0154
Gm10	9342460	9343459	Gmdrm	hypo	CHH	-0.0481
Gm10	9350954	9351951	Gmdrm	hypo	CHH	-0.1356
Gm10	9351959	9352958	Gmdrm	hypo	CHH	-0.1061
Gm10	9352972	9353959	Gmdrm	hypo	CHH	-0.2107
Gm10	9356930	9357930	Gmdrm	hypo	CHH	-0.011
Gm10	9396575	9397574	Gmdrm	hypo	CHH	-0.0235
Gm10	9403921	9404921	Gmdrm	hypo	CHH	-0.124
Gm10	9404922	9405919	Gmdrm	hypo	CHH	-0.1202

Gm10	9415480	9416260 Gmdrm	hypo	CHH	-0.0671
Gm10	9418381	9419376 Gmdrm	hypo	CHH	-0.0227
Gm10	9427771	9428721 Gmdrm	hypo	CHH	-0.0451
Gm10	9428773	9429328 Gmdrm	hypo	CHH	-0.027
Gm10	9430310	9431278 Gmdrm	hypo	CHH	-0.0381
Gm10	9436084	9436999 Gmdrm	hypo	CHH	-0.0783
Gm10	9440186	9441185 Gmdrm	hypo	CHH	-0.0322
Gm10	9486400	9487343 Gmdrm	hypo	CHH	-0.0219
Gm10	9488643	9489262 Gmdrm	hypo	CHH	-0.0875
Gm10	9501176	9502121 Gmdrm	hypo	CHH	-0.0707
Gm10	9503724	9504711 Gmdrm	hypo	CHH	-0.0425
Gm10	9506666	9507662 Gmdrm	hypo	CHH	-0.0371
Gm10	9507667	9508635 Gmdrm	hypo	CHH	-0.0211
Gm10	9510870	9511869 Gmdrm	hypo	CHH	-0.037
Gm10	9511876	9512875 Gmdrm	hypo	CHH	-0.0359
Gm10	9512894	9513891 Gmdrm	hypo	CHH	-0.0409
Gm10	9513933	9514932 Gmdrm	hypo	CHH	-0.0658
Gm10	9514934	9515901 Gmdrm	hypo	CHH	-0.0276
Gm10	9516963	9517953 Gmdrm	hypo	CHH	-0.0329
Gm10	9524890	9525873 Gmdrm	hypo	CHH	-0.0321
Gm10	9537961	9538960 Gmdrm	hypo	CHH	-0.0221
Gm10	9542008	9542058 Gmdrm	hypo	CHH	-0.104
Gm10	9543492	9544023 Gmdrm	hypo	CHH	-0.0954
Gm10	9545112	9546101 Gmdrm	hypo	CHH	-0.044
Gm10	9547171	9548087 Gmdrm	hypo	CHH	-0.0744
Gm10	9548179	9549179 Gmdrm	hypo	CHH	-0.0259
Gm10	9618924	9619920 Gmdrm	hypo	CHH	-0.0424
Gm10	9619932	9620927 Gmdrm	hypo	CHH	-0.0214
Gm10	9651238	9652238 Gmdrm	hypo	CHH	-0.021
Gm10	9653295	9654042 Gmdrm	hypo	CHH	-0.0293
Gm10	9654303	9655298 Gmdrm	hypo	CHH	-0.05
Gm10	9655311	9656271 Gmdrm	hypo	CHH	-0.0161
Gm10	9666742	9667709 Gmdrm	hypo	CHH	-0.138
Gm10	9674307	9675293 Gmdrm	hypo	CHH	-0.0232
Gm10	9675311	9676293 Gmdrm	hypo	CHH	-0.0341
Gm10	9677084	9678084 Gmdrm	hypo	CHH	-0.0258
Gm10	9679656	9680654 Gmdrm	hypo	CHH	-0.0356
Gm10	9680659	9681655 Gmdrm	hypo	CHH	-0.0151
Gm10	9690308	9691287 Gmdrm	hypo	CHH	-0.0881
Gm10	9709344	9710342 Gmdrm	hypo	CHH	-0.0783
Gm10	9710384	9711350 Gmdrm	hypo	CHH	-0.0226
Gm10	9716667	9717666 Gmdrm	hypo	CHH	-0.0298
Gm10	9717670	9718670 Gmdrm	hypo	CHH	-0.0497
Gm10	9739138	9740132 Gmdrm	hypo	CHH	-0.0435
Gm10	9740164	9741141 Gmdrm	hypo	CHH	-0.0505
Gm10	9755124	9755336 Gmdrm	hypo	CHH	-0.0753

Gm10	9759644	9760637	Gmdrm	hypo	CHH	-0.078
Gm10	9777294	9778267	Gmdrm	hypo	CHH	-0.0711
Gm10	9778540	9779523	Gmdrm	hypo	CHH	-0.1297
Gm10	9791269	9792269	Gmdrm	hypo	CHH	-0.1625
Gm10	9792273	9793248	Gmdrm	hypo	CHH	-0.0717
Gm10	9793301	9793739	Gmdrm	hypo	CHH	-0.06
Gm10	9797509	9798499	Gmdrm	hypo	CHH	-0.0176
Gm10	9801299	9802295	Gmdrm	hypo	CHH	-0.0261
Gm10	9803553	9804545	Gmdrm	hypo	CHH	-0.0252
Gm10	9827830	9828415	Gmdrm	hypo	CHH	-0.0384
Gm10	9829553	9830553	Gmdrm	hypo	CHH	-0.0996
Gm10	9869319	9870120	Gmdrm	hypo	CHH	-0.02
Gm10	9903468	9904459	Gmdrm	hypo	CHH	-0.0198
Gm10	9925615	9926123	Gmdrm	hypo	CHH	-0.0335
Gm10	9935806	9936126	Gmdrm	hypo	CHH	-0.0385
Gm10	9938775	9939752	Gmdrm	hypo	CHH	-0.0179
Gm10	9940807	9941804	Gmdrm	hypo	CHH	-0.0413
Gm10	9967600	9968598	Gmdrm	hypo	CHH	-0.1963
Gm10	9968606	9969606	Gmdrm	hypo	CHH	-0.0313
Gm10	9976097	9977094	Gmdrm	hypo	CHH	-0.0424
Gm10	9979500	9980489	Gmdrm	hypo	CHH	-0.0232
Gm10	10003606	10004594	Gmdrm	hypo	CHH	-0.08
Gm10	10005622	10006616	Gmdrm	hypo	CHH	-0.0289
Gm10	10044167	10045149	Gmdrm	hypo	CHH	-0.052
Gm10	10062184	10063184	Gmdrm	hypo	CHH	-0.0281
Gm10	10068685	10069685	Gmdrm	hypo	CHH	-0.0659
Gm10	10069689	10070685	Gmdrm	hypo	CHH	-0.0857
Gm10	10070702	10071702	Gmdrm	hypo	CHH	-0.0217
Gm10	10073976	10074940	Gmdrm	hypo	CHH	-0.1407
Gm10	10075997	10076513	Gmdrm	hypo	CHH	-0.0405
Gm10	10170255	10171253	Gmdrm	hypo	CHH	-0.024
Gm10	10175434	10176431	Gmdrm	hypo	CHH	-0.013
Gm10	10221356	10221630	Gmdrm	hypo	CHH	-0.0403
Gm10	10224113	10225106	Gmdrm	hypo	CHH	-0.1062
Gm10	10225115	10225644	Gmdrm	hypo	CHH	-0.0414
Gm10	10232886	10233572	Gmdrm	hypo	CHH	-0.0303
Gm10	10245819	10246787	Gmdrm	hypo	CHH	-0.0498
Gm10	10248872	10249863	Gmdrm	hypo	CHH	-0.0215
Gm10	10253270	10254266	Gmdrm	hypo	CHH	-0.0353
Gm10	10254275	10255274	Gmdrm	hypo	CHH	-0.1968
Gm10	10255281	10255373	Gmdrm	hypo	CHH	-0.4063
Gm10	10261529	10262529	Gmdrm	hypo	CHH	-0.017
Gm10	10262551	10263541	Gmdrm	hypo	CHH	-0.1058
Gm10	10264615	10265611	Gmdrm	hypo	CHH	-0.0605
Gm10	10272482	10273476	Gmdrm	hypo	CHH	-0.0153
Gm10	10288684	10289242	Gmdrm	hypo	CHH	-0.3512

Gm10	10297036	10298023	Gmdrm	hypo	CHH	-0.0475
Gm10	10298037	10298935	Gmdrm	hypo	CHH	-0.0413
Gm10	10310091	10311091	Gmdrm	hypo	CHH	-0.0896
Gm10	10387469	10388281	Gmdrm	hypo	CHH	-0.1115
Gm10	10455701	10456694	Gmdrm	hypo	CHH	-0.0224
Gm10	10456705	10457495	Gmdrm	hypo	CHH	-0.0321
Gm10	10469893	10470839	Gmdrm	hypo	CHH	-0.0195
Gm10	10532143	10533141	Gmdrm	hypo	CHH	-0.0664
Gm10	10594290	10595290	Gmdrm	hypo	CHH	-0.0372
Gm10	10595294	10596288	Gmdrm	hypo	CHH	-0.046
Gm10	10633683	10634676	Gmdrm	hypo	CHH	-0.0264
Gm10	10688319	10689306	Gmdrm	hypo	CHH	-0.0132
Gm10	10690332	10691326	Gmdrm	hypo	CHH	-0.0266
Gm10	10691340	10692329	Gmdrm	hypo	CHH	-0.0261
Gm10	10740331	10740355	Gmdrm	hypo	CHH	-0.084
Gm10	10792899	10793898	Gmdrm	hypo	CHH	-0.048
Gm10	10866498	10867497	Gmdrm	hypo	CHH	-0.0221
Gm10	10870542	10871526	Gmdrm	hypo	CHH	-0.0235
Gm10	10873295	10874282	Gmdrm	hypo	CHH	-0.0602
Gm10	10905661	10906625	Gmdrm	hypo	CHH	-0.0271
Gm10	10908833	10909831	Gmdrm	hypo	CHH	-0.03
Gm10	10915893	10916888	Gmdrm	hypo	CHH	-0.0505
Gm10	10948487	10949485	Gmdrm	hypo	CHH	-0.0929
Gm10	10949489	10950221	Gmdrm	hypo	CHH	-0.0941
Gm10	10973184	10974173	Gmdrm	hypo	CHH	-0.2964
Gm10	10988998	10989957	Gmdrm	hypo	CHH	-0.0326
Gm10	10990059	10991059	Gmdrm	hypo	CHH	-0.1266
Gm10	10992064	10993056	Gmdrm	hypo	CHH	-0.0174
Gm10	11005550	11006550	Gmdrm	hypo	CHH	-0.0229
Gm10	11018163	11019077	Gmdrm	hypo	CHH	-0.0243
Gm10	11021747	11022698	Gmdrm	hypo	CHH	-0.0122
Gm10	11024561	11025561	Gmdrm	hypo	CHH	-0.0352
Gm10	11033652	11034651	Gmdrm	hypo	CHH	-0.0753
Gm10	11044783	11045774	Gmdrm	hypo	CHH	-0.0661
Gm10	11045785	11046751	Gmdrm	hypo	CHH	-0.0385
Gm10	11046846	11047831	Gmdrm	hypo	CHH	-0.0103
Gm10	11048854	11049837	Gmdrm	hypo	CHH	-0.0235
Gm10	11049857	11050809	Gmdrm	hypo	CHH	-0.0181
Gm10	11103902	11104901	Gmdrm	hypo	CHH	-0.0614
Gm10	11137471	11138338	Gmdrm	hypo	CHH	-0.0209
Gm10	11142937	11143936	Gmdrm	hypo	CHH	-0.0394
Gm10	11143943	11144933	Gmdrm	hypo	CHH	-0.0385
Gm10	11144956	11145952	Gmdrm	hypo	CHH	-0.0321
Gm10	11146993	11147938	Gmdrm	hypo	CHH	-0.0694
Gm10	11163990	11164958	Gmdrm	hypo	CHH	-0.0235
Gm10	11167063	11168048	Gmdrm	hypo	CHH	-0.0237

Gm10	11168121	11169115	Gmdrm	hypo	CHH	-0.0669
Gm10	11169122	11169446	Gmdrm	hypo	CHH	-0.0441
Gm10	11169579	11170576	Gmdrm	hypo	CHH	-0.0134
Gm10	11171590	11172589	Gmdrm	hypo	CHH	-0.2487
Gm10	11172594	11173594	Gmdrm	hypo	CHH	-0.059
Gm10	11236995	11237994	Gmdrm	hypo	CHH	-0.0316
Gm10	11245688	11246684	Gmdrm	hypo	CHH	-0.0555
Gm10	11275201	11276196	Gmdrm	hypo	CHH	-0.0604
Gm10	11298496	11299481	Gmdrm	hypo	CHH	-0.033
Gm10	11299505	11300492	Gmdrm	hypo	CHH	-0.0709
Gm10	11300506	11301498	Gmdrm	hypo	CHH	-0.0477
Gm10	11474541	11474598	Gmdrm	hypo	CHH	-0.1906
Gm10	11616560	11617548	Gmdrm	hypo	CHH	-0.0854
Gm10	11619395	11620389	Gmdrm	hypo	CHH	-0.0166
Gm10	11620405	11621154	Gmdrm	hypo	CHH	-0.0172
Gm10	11622286	11623285	Gmdrm	hypo	CHH	-0.0391
Gm10	11639092	11640091	Gmdrm	hypo	CHH	-0.0262
Gm10	11640096	11641084	Gmdrm	hypo	CHH	-0.0497
Gm10	11675004	11675940	Gmdrm	hypo	CHH	-0.0751
Gm10	11686586	11686669	Gmdrm	hypo	CHH	-0.0467
Gm10	11687801	11688786	Gmdrm	hypo	CHH	-0.107
Gm10	11696899	11697899	Gmdrm	hypo	CHH	-0.0769
Gm10	11697900	11698386	Gmdrm	hypo	CHH	-0.0674
Gm10	11703522	11704512	Gmdrm	hypo	CHH	-0.027
Gm10	11704524	11705467	Gmdrm	hypo	CHH	-0.0231
Gm10	11705558	11706550	Gmdrm	hypo	CHH	-0.0721
Gm10	11709818	11710816	Gmdrm	hypo	CHH	-0.0617
Gm10	11712835	11713794	Gmdrm	hypo	CHH	-0.0408
Gm10	11714878	11715865	Gmdrm	hypo	CHH	-0.0126
Gm10	11719117	11720093	Gmdrm	hypo	CHH	-0.0576
Gm10	11723155	11724153	Gmdrm	hypo	CHH	-0.0493
Gm10	11738868	11739841	Gmdrm	hypo	CHH	-0.0542
Gm10	11744294	11745292	Gmdrm	hypo	CHH	-0.163
Gm10	11745316	11746297	Gmdrm	hypo	CHH	-0.207
Gm10	11746319	11747312	Gmdrm	hypo	CHH	-0.1203
Gm10	11747337	11748335	Gmdrm	hypo	CHH	-0.0883
Gm10	11761096	11762078	Gmdrm	hypo	CHH	-0.0194
Gm10	11776668	11777662	Gmdrm	hypo	CHH	-0.0829
Gm10	11778008	11778667	Gmdrm	hypo	CHH	-0.0288
Gm10	11794874	11795873	Gmdrm	hypo	CHH	-0.018
Gm10	11795890	11796855	Gmdrm	hypo	CHH	-0.0153
Gm10	11809956	11810745	Gmdrm	hypo	CHH	-0.0225
Gm10	11812147	11813139	Gmdrm	hypo	CHH	-0.0489
Gm10	11824304	11825300	Gmdrm	hypo	CHH	-0.0193
Gm10	11825311	11826310	Gmdrm	hypo	CHH	-0.0123
Gm10	11833588	11833951	Gmdrm	hypo	CHH	-0.1009

Gm10	11834230	11835203	Gmdrm	hypo	CHH	-0.0382
Gm10	11836442	11837439	Gmdrm	hypo	CHH	-0.0287
Gm10	11837462	11838164	Gmdrm	hypo	CHH	-0.0354
Gm10	11841347	11842009	Gmdrm	hypo	CHH	-0.0311
Gm10	11847164	11847274	Gmdrm	hypo	CHH	-0.042
Gm10	11847521	11848050	Gmdrm	hypo	CHH	-0.0446
Gm10	11853968	11854967	Gmdrm	hypo	CHH	-0.0177
Gm10	11854979	11855232	Gmdrm	hypo	CHH	-0.0772
Gm10	11870419	11870984	Gmdrm	hypo	CHH	-0.0424
Gm10	11871085	11872071	Gmdrm	hypo	CHH	-0.0606
Gm10	11878804	11879284	Gmdrm	hypo	CHH	-0.0469
Gm10	11881737	11882475	Gmdrm	hypo	CHH	-0.0212
Gm10	11882666	11883659	Gmdrm	hypo	CHH	-0.2245
Gm10	11911514	11912514	Gmdrm	hypo	CHH	-0.0179
Gm10	11912518	11913502	Gmdrm	hypo	CHH	-0.1126
Gm10	11913519	11913973	Gmdrm	hypo	CHH	-0.1047
Gm10	11914094	11914198	Gmdrm	hypo	CHH	-0.238
Gm10	11915307	11916305	Gmdrm	hypo	CHH	-0.0339
Gm10	11916309	11917298	Gmdrm	hypo	CHH	-0.0897
Gm10	11917426	11918425	Gmdrm	hypo	CHH	-0.2441
Gm10	11928083	11929071	Gmdrm	hypo	CHH	-0.0402
Gm10	11929088	11930084	Gmdrm	hypo	CHH	-0.0234
Gm10	11930103	11931052	Gmdrm	hypo	CHH	-0.0586
Gm10	11931105	11932099	Gmdrm	hypo	CHH	-0.0781
Gm10	11936885	11937849	Gmdrm	hypo	CHH	-0.1608
Gm10	11939947	11940505	Gmdrm	hypo	CHH	-0.0254
Gm10	11942872	11943868	Gmdrm	hypo	CHH	-0.0188
Gm10	11949745	11949893	Gmdrm	hypo	CHH	-0.0925
Gm10	11957656	11958655	Gmdrm	hypo	CHH	-0.0238
Gm10	11960147	11961146	Gmdrm	hypo	CHH	-0.0764
Gm10	12051954	12052934	Gmdrm	hypo	CHH	-0.026
Gm10	12081403	12082382	Gmdrm	hypo	CHH	-0.0217
Gm10	12087991	12088987	Gmdrm	hypo	CHH	-0.1511
Gm10	12101727	12102727	Gmdrm	hypo	CHH	-0.0421
Gm10	12102730	12103652	Gmdrm	hypo	CHH	-0.0223
Gm10	12117967	12118965	Gmdrm	hypo	CHH	-0.0294
Gm10	12144441	12145415	Gmdrm	hypo	CHH	-0.0306
Gm10	12212665	12213644	Gmdrm	hypo	CHH	-0.0273
Gm10	12214677	12215036	Gmdrm	hypo	CHH	-0.0311
Gm10	12246801	12247657	Gmdrm	hypo	CHH	-0.1329
Gm10	12282455	12283441	Gmdrm	hypo	CHH	-0.0582
Gm10	12326771	12327760	Gmdrm	hypo	CHH	-0.0227
Gm10	12331518	12332469	Gmdrm	hypo	CHH	-0.0554
Gm10	12332519	12333517	Gmdrm	hypo	CHH	-0.0573
Gm10	12401837	12402822	Gmdrm	hypo	CHH	-0.0523
Gm10	12452639	12453636	Gmdrm	hypo	CHH	-0.0278

Gm10	12481424	12482401	Gmdrm	hypo	CHH	-0.0203
Gm10	12488825	12489815	Gmdrm	hypo	CHH	-0.0319
Gm10	12489826	12490825	Gmdrm	hypo	CHH	-0.0936
Gm10	12490831	12491829	Gmdrm	hypo	CHH	-0.0373
Gm10	12491845	12492837	Gmdrm	hypo	CHH	-0.0289
Gm10	12568964	12569958	Gmdrm	hypo	CHH	-0.0329
Gm10	12577106	12578080	Gmdrm	hypo	CHH	-0.0462
Gm10	12592521	12593510	Gmdrm	hypo	CHH	-0.0203
Gm10	12593528	12594527	Gmdrm	hypo	CHH	-0.0307
Gm10	12607967	12608147	Gmdrm	hypo	CHH	-0.1239
Gm10	12705505	12706485	Gmdrm	hypo	CHH	-0.0157
Gm10	12729100	12730090	Gmdrm	hypo	CHH	-0.0202
Gm10	12731147	12732139	Gmdrm	hypo	CHH	-0.015
Gm10	12733267	12734263	Gmdrm	hypo	CHH	-0.0489
Gm10	12734271	12735268	Gmdrm	hypo	CHH	-0.0221
Gm10	12736296	12737291	Gmdrm	hypo	CHH	-0.0598
Gm10	12833098	12834094	Gmdrm	hypo	CHH	-0.0197
Gm10	12834100	12835090	Gmdrm	hypo	CHH	-0.036
Gm10	12839283	12840279	Gmdrm	hypo	CHH	-0.154
Gm10	12840284	12840621	Gmdrm	hypo	CHH	-0.1449
Gm10	12968808	12969803	Gmdrm	hypo	CHH	-0.0285
Gm10	13025633	13026353	Gmdrm	hypo	CHH	-0.0287
Gm10	13030350	13031350	Gmdrm	hypo	CHH	-0.101
Gm10	13042435	13042831	Gmdrm	hypo	CHH	-0.039
Gm10	13043426	13044386	Gmdrm	hypo	CHH	-0.0144
Gm10	13045448	13045841	Gmdrm	hypo	CHH	-0.0323
Gm10	13048165	13049163	Gmdrm	hypo	CHH	-0.0266
Gm10	13049167	13050156	Gmdrm	hypo	CHH	-0.1049
Gm10	13050593	13051581	Gmdrm	hypo	CHH	-0.0449
Gm10	13055522	13056520	Gmdrm	hypo	CHH	-0.0276
Gm10	13057544	13058525	Gmdrm	hypo	CHH	-0.051
Gm10	13063833	13064406	Gmdrm	hypo	CHH	-0.0195
Gm10	13093342	13093476	Gmdrm	hypo	CHH	-0.0374
Gm10	13097512	13098486	Gmdrm	hypo	CHH	-0.0191
Gm10	13101594	13102592	Gmdrm	hypo	CHH	-0.0237
Gm10	13119258	13120254	Gmdrm	hypo	CHH	-0.0289
Gm10	13122634	13123619	Gmdrm	hypo	CHH	-0.0431
Gm10	13148804	13149783	Gmdrm	hypo	CHH	-0.019
Gm10	13164287	13165266	Gmdrm	hypo	CHH	-0.0273
Gm10	13167307	13168298	Gmdrm	hypo	CHH	-0.051
Gm10	13168316	13169288	Gmdrm	hypo	CHH	-0.0218
Gm10	13171541	13171615	Gmdrm	hypo	CHH	-0.163
Gm10	13173772	13174766	Gmdrm	hypo	CHH	-0.0775
Gm10	13174777	13175761	Gmdrm	hypo	CHH	-0.0351
Gm10	13232591	13233569	Gmdrm	hypo	CHH	-0.0325
Gm10	13239053	13240047	Gmdrm	hypo	CHH	-0.0216

Gm10	13251589	13252567	Gmdrm	hypo	CHH	-0.0135
Gm10	13252594	13253593	Gmdrm	hypo	CHH	-0.0222
Gm10	13253602	13254404	Gmdrm	hypo	CHH	-0.2218
Gm10	13273735	13274168	Gmdrm	hypo	CHH	-0.0304
Gm10	13274662	13275610	Gmdrm	hypo	CHH	-0.0404
Gm10	13278771	13279750	Gmdrm	hypo	CHH	-0.0295
Gm10	13308288	13309283	Gmdrm	hypo	CHH	-0.018
Gm10	13309302	13309966	Gmdrm	hypo	CHH	-0.0494
Gm10	13350566	13351550	Gmdrm	hypo	CHH	-0.0322
Gm10	13351574	13352535	Gmdrm	hypo	CHH	-0.0297
Gm10	13352576	13353285	Gmdrm	hypo	CHH	-0.1655
Gm10	13367780	13368776	Gmdrm	hypo	CHH	-0.0118
Gm10	13368785	13369779	Gmdrm	hypo	CHH	-0.0177
Gm10	13388345	13389279	Gmdrm	hypo	CHH	-0.0265
Gm10	13390462	13391447	Gmdrm	hypo	CHH	-0.023
Gm10	13401728	13402727	Gmdrm	hypo	CHH	-0.0975
Gm10	13409456	13409728	Gmdrm	hypo	CHH	-0.0941
Gm10	13420949	13421935	Gmdrm	hypo	CHH	-0.0189
Gm10	13421974	13422973	Gmdrm	hypo	CHH	-0.0279
Gm10	13444505	13445483	Gmdrm	hypo	CHH	-0.0192
Gm10	13453904	13454901	Gmdrm	hypo	CHH	-0.0433
Gm10	13526745	13527526	Gmdrm	hypo	CHH	-0.0202
Gm10	13557849	13558832	Gmdrm	hypo	CHH	-0.0367
Gm10	13637268	13637608	Gmdrm	hypo	CHH	-0.0527
Gm10	13649794	13650794	Gmdrm	hypo	CHH	-0.0163
Gm10	13650798	13651795	Gmdrm	hypo	CHH	-0.0126
Gm10	13683884	13684876	Gmdrm	hypo	CHH	-0.0685
Gm10	13684887	13685004	Gmdrm	hypo	CHH	-0.1389
Gm10	13693043	13693758	Gmdrm	hypo	CHH	-0.047
Gm10	13694248	13695235	Gmdrm	hypo	CHH	-0.0794
Gm10	13750812	13751810	Gmdrm	hypo	CHH	-0.0312
Gm10	13756425	13757375	Gmdrm	hypo	CHH	-0.0702
Gm10	13768929	13769923	Gmdrm	hypo	CHH	-0.0217
Gm10	13807162	13808127	Gmdrm	hypo	CHH	-0.0348
Gm10	14444429	14444558	Gmdrm	hypo	CHH	-0.0848
Gm10	14488532	14488556	Gmdrm	hypo	CHH	-0.13
Gm10	14598381	14599368	Gmdrm	hypo	CHH	-0.0362
Gm10	14599391	14600375	Gmdrm	hypo	CHH	-0.0536
Gm10	14600392	14601389	Gmdrm	hypo	CHH	-0.0858
Gm10	14607941	14608941	Gmdrm	hypo	CHH	-0.0379
Gm10	14608950	14609946	Gmdrm	hypo	CHH	-0.0427
Gm10	14612110	14613108	Gmdrm	hypo	CHH	-0.042
Gm10	14643211	14644210	Gmdrm	hypo	CHH	-0.0549
Gm10	14644223	14645223	Gmdrm	hypo	CHH	-0.0195
Gm10	14731130	14731700	Gmdrm	hypo	CHH	-0.0733
Gm10	14827714	14828709	Gmdrm	hypo	CHH	-0.0312

Gm10	14954920	14955365	Gmdrm	hypo	CHH	-0.0878
Gm10	15044802	15045791	Gmdrm	hypo	CHH	-0.0502
Gm10	15051451	15052258	Gmdrm	hypo	CHH	-0.0317
Gm10	15053951	15054942	Gmdrm	hypo	CHH	-0.035
Gm10	15054952	15055602	Gmdrm	hypo	CHH	-0.1831
Gm10	15056738	15057717	Gmdrm	hypo	CHH	-0.0869
Gm10	15057752	15058716	Gmdrm	hypo	CHH	-0.0652
Gm10	15091960	15092305	Gmdrm	hypo	CHH	-0.044
Gm10	15095482	15096478	Gmdrm	hypo	CHH	-0.0161
Gm10	15099789	15100788	Gmdrm	hypo	CHH	-0.0403
Gm10	15100794	15101007	Gmdrm	hypo	CHH	-0.1688
Gm10	15101116	15102116	Gmdrm	hypo	CHH	-0.0355
Gm10	15104137	15105136	Gmdrm	hypo	CHH	-0.0174
Gm10	15111909	15112334	Gmdrm	hypo	CHH	-0.0662
Gm10	15122189	15123187	Gmdrm	hypo	CHH	-0.0508
Gm10	15123191	15124158	Gmdrm	hypo	CHH	-0.0169
Gm10	15299618	15300599	Gmdrm	hypo	CHH	-0.0601
Gm10	15314051	15314400	Gmdrm	hypo	CHH	-0.0786
Gm10	15324252	15325250	Gmdrm	hypo	CHH	-0.0189
Gm10	15326332	15327317	Gmdrm	hypo	CHH	-0.0281
Gm10	15365384	15366370	Gmdrm	hypo	CHH	-0.0308
Gm10	15366385	15367385	Gmdrm	hypo	CHH	-0.0506
Gm10	15367386	15368349	Gmdrm	hypo	CHH	-0.0968
Gm10	15416581	15417463	Gmdrm	hypo	CHH	-0.0323
Gm10	15636259	15637257	Gmdrm	hypo	CHH	-0.0023
Gm10	15687476	15687555	Gmdrm	hypo	CHH	-0.1386
Gm10	15819208	15820202	Gmdrm	hypo	CHH	-0.0531
Gm10	15821378	15822378	Gmdrm	hypo	CHH	-0.0288
Gm10	15825031	15825791	Gmdrm	hypo	CHH	-0.08
Gm10	15837952	15838191	Gmdrm	hypo	CHH	-0.1208
Gm10	15852860	15853799	Gmdrm	hypo	CHH	-0.0204
Gm10	15857523	15857758	Gmdrm	hypo	CHH	-0.0388
Gm10	15863995	15864989	Gmdrm	hypo	CHH	-0.0731
Gm10	15874962	15875445	Gmdrm	hypo	CHH	-0.0139
Gm10	16127314	16128290	Gmdrm	hypo	CHH	-0.0204
Gm10	16176762	16177751	Gmdrm	hypo	CHH	-0.0474
Gm10	16475066	16475692	Gmdrm	hypo	CHH	-0.0484
Gm10	16476849	16477845	Gmdrm	hypo	CHH	-0.3284
Gm10	16493615	16494614	Gmdrm	hypo	CHH	-0.0243
Gm10	16494626	16495624	Gmdrm	hypo	CHH	-0.0658
Gm10	16554002	16554984	Gmdrm	hypo	CHH	-0.0163
Gm10	16555973	16556959	Gmdrm	hypo	CHH	-0.0785
Gm10	16557990	16558358	Gmdrm	hypo	CHH	-0.0234
Gm10	16598337	16599328	Gmdrm	hypo	CHH	-0.1892
Gm10	16633263	16634263	Gmdrm	hypo	CHH	-0.0374
Gm10	16679066	16680044	Gmdrm	hypo	CHH	-0.0424

Gm10	16699641	16700635	Gmdrm	hypo	CHH	-0.1388
Gm10	16725884	16726349	Gmdrm	hypo	CHH	-0.0507
Gm10	16726986	16727983	Gmdrm	hypo	CHH	-0.0157
Gm10	16733913	16734902	Gmdrm	hypo	CHH	-0.0525
Gm10	16757233	16757352	Gmdrm	hypo	CHH	-0.0673
Gm10	16761195	16762192	Gmdrm	hypo	CHH	-0.0306
Gm10	16763234	16764199	Gmdrm	hypo	CHH	-0.0253
Gm10	16789642	16790540	Gmdrm	hypo	CHH	-0.1496
Gm10	16791964	16792957	Gmdrm	hypo	CHH	-0.0671
Gm10	16792967	16793958	Gmdrm	hypo	CHH	-0.0271
Gm10	16802061	16803045	Gmdrm	hypo	CHH	-0.0398
Gm10	16803065	16803463	Gmdrm	hypo	CHH	-0.037
Gm10	16806090	16806441	Gmdrm	hypo	CHH	-0.0868
Gm10	16811242	16812235	Gmdrm	hypo	CHH	-0.1398
Gm10	16815354	16816346	Gmdrm	hypo	CHH	-0.0163
Gm10	16816369	16817360	Gmdrm	hypo	CHH	-0.1124
Gm10	16817374	16818354	Gmdrm	hypo	CHH	-0.0147
Gm10	16821194	16822193	Gmdrm	hypo	CHH	-0.0916
Gm10	16822195	16823194	Gmdrm	hypo	CHH	-0.0883
Gm10	16856566	16857561	Gmdrm	hypo	CHH	-0.0643
Gm10	16862217	16863216	Gmdrm	hypo	CHH	-0.0367
Gm10	16864224	16865223	Gmdrm	hypo	CHH	-0.0477
Gm10	16869593	16870593	Gmdrm	hypo	CHH	-0.1916
Gm10	16870608	16871607	Gmdrm	hypo	CHH	-0.111
Gm10	16885554	16886550	Gmdrm	hypo	CHH	-0.0164
Gm10	16886557	16887557	Gmdrm	hypo	CHH	-0.024
Gm10	16975009	16975074	Gmdrm	hypo	CHH	-0.054
Gm10	17028325	17029325	Gmdrm	hypo	CHH	-0.0357
Gm10	17033221	17033654	Gmdrm	hypo	CHH	-0.0412
Gm10	17116479	17117470	Gmdrm	hypo	CHH	-0.0246
Gm10	17139168	17140167	Gmdrm	hypo	CHH	-0.0386
Gm10	17212493	17213492	Gmdrm	hypo	CHH	-0.0358
Gm10	17266705	17266891	Gmdrm	hypo	CHH	-0.0591
Gm10	17267009	17267341	Gmdrm	hypo	CHH	-0.1534
Gm10	17510135	17511135	Gmdrm	hypo	CHH	-0.0037
Gm10	17513504	17514500	Gmdrm	hypo	CHH	-0.0053
Gm10	17700600	17701595	Gmdrm	hypo	CHH	-0.0222
Gm10	17705254	17706250	Gmdrm	hypo	CHH	-0.0685
Gm10	18061654	18062636	Gmdrm	hypo	CHH	-0.0173
Gm10	18065775	18066769	Gmdrm	hypo	CHH	-0.0152
Gm10	18071133	18072113	Gmdrm	hypo	CHH	-0.2755
Gm10	18072136	18073135	Gmdrm	hypo	CHH	-0.0788
Gm10	18077654	18077968	Gmdrm	hypo	CHH	-0.0359
Gm10	18081428	18082423	Gmdrm	hypo	CHH	-0.0767
Gm10	18276076	18276776	Gmdrm	hypo	CHH	-0.0492
Gm10	18419832	18420817	Gmdrm	hypo	CHH	-0.0392

Gm10	18420834	18421834	Gmdrm	hypo	CHH	-0.1321
Gm10	18421843	18422831	Gmdrm	hypo	CHH	-0.138
Gm10	18425412	18425891	Gmdrm	hypo	CHH	-0.0445
Gm10	18492815	18493245	Gmdrm	hypo	CHH	-0.0892
Gm10	18645752	18646750	Gmdrm	hypo	CHH	-0.0775
Gm10	18648670	18649620	Gmdrm	hypo	CHH	-0.0191
Gm10	18653494	18654492	Gmdrm	hypo	CHH	-0.0553
Gm10	18654506	18655500	Gmdrm	hypo	CHH	-0.0675
Gm10	18685068	18685501	Gmdrm	hypo	CHH	-0.0984
Gm10	18692480	18692966	Gmdrm	hypo	CHH	-0.05
Gm10	18766899	18767093	Gmdrm	hypo	CHH	-0.2615
Gm10	18807217	18808200	Gmdrm	hypo	CHH	-0.0534
Gm10	18908714	18909701	Gmdrm	hypo	CHH	-0.0187
Gm10	18910178	18911107	Gmdrm	hypo	CHH	-0.058
Gm10	19092763	19093507	Gmdrm	hypo	CHH	-0.0333
Gm10	19093613	19094593	Gmdrm	hypo	CHH	-0.0253
Gm10	19095342	19096327	Gmdrm	hypo	CHH	-0.2749
Gm10	19112073	19112512	Gmdrm	hypo	CHH	-0.1083
Gm10	19289604	19289637	Gmdrm	hypo	CHH	-0.2675
Gm10	19543276	19543509	Gmdrm	hypo	CHH	-0.1063
Gm10	19567119	19568116	Gmdrm	hypo	CHH	-0.0377
Gm10	19569116	19570114	Gmdrm	hypo	CHH	-0.0636
Gm10	19570117	19571106	Gmdrm	hypo	CHH	-0.0383
Gm10	19626772	19627772	Gmdrm	hypo	CHH	-0.0261
Gm10	19628385	19629384	Gmdrm	hypo	CHH	-0.031
Gm10	19982903	19983898	Gmdrm	hypo	CHH	-0.021
Gm10	20106058	20106274	Gmdrm	hypo	CHH	-0.1488
Gm10	20125357	20126143	Gmdrm	hypo	CHH	-0.0663
Gm10	20243088	20244045	Gmdrm	hypo	CHH	-0.0694
Gm10	20245132	20245752	Gmdrm	hypo	CHH	-0.0327
Gm10	20245959	20246891	Gmdrm	hypo	CHH	-0.0396
Gm10	20246984	20247967	Gmdrm	hypo	CHH	-0.0118
Gm10	20250751	20251739	Gmdrm	hypo	CHH	-0.0615
Gm10	20271850	20272105	Gmdrm	hypo	CHH	-0.0746
Gm10	20391725	20392717	Gmdrm	hypo	CHH	-0.0792
Gm10	20392728	20393692	Gmdrm	hypo	CHH	-0.1069
Gm10	20394751	20395739	Gmdrm	hypo	CHH	-0.0737
Gm10	20395760	20396011	Gmdrm	hypo	CHH	-0.0352
Gm10	20417499	20418497	Gmdrm	hypo	CHH	-0.0992
Gm10	20676430	20677428	Gmdrm	hypo	CHH	-0.0718
Gm10	20679805	20680804	Gmdrm	hypo	CHH	-0.0417
Gm10	21209184	21210137	Gmdrm	hypo	CHH	-0.0288
Gm10	21285942	21286913	Gmdrm	hypo	CHH	-0.1292
Gm10	21287975	21288974	Gmdrm	hypo	CHH	-0.0165
Gm10	21288976	21289486	Gmdrm	hypo	CHH	-0.0225
Gm10	21289974	21290962	Gmdrm	hypo	CHH	-0.276

Gm10	21292318	21293314	Gmdrm	hypo	CHH	-0.1198
Gm10	21348807	21349728	Gmdrm	hypo	CHH	-0.0165
Gm10	21490206	21490850	Gmdrm	hypo	CHH	-0.0189
Gm10	21505724	21506720	Gmdrm	hypo	CHH	-0.0335
Gm10	21569526	21570523	Gmdrm	hypo	CHH	-0.035
Gm10	21598302	21599290	Gmdrm	hypo	CHH	-0.0182
Gm10	21602653	21603398	Gmdrm	hypo	CHH	-0.0838
Gm10	21604766	21605272	Gmdrm	hypo	CHH	-0.0246
Gm10	21605413	21606390	Gmdrm	hypo	CHH	-0.0159
Gm10	21606427	21607423	Gmdrm	hypo	CHH	-0.015
Gm10	21611472	21612472	Gmdrm	hypo	CHH	-0.0191
Gm10	21612476	21613473	Gmdrm	hypo	CHH	-0.0286
Gm10	21765429	21766420	Gmdrm	hypo	CHH	-0.0562
Gm10	21793379	21794375	Gmdrm	hypo	CHH	-0.0349
Gm10	21877698	21878698	Gmdrm	hypo	CHH	-0.0601
Gm10	21878700	21879111	Gmdrm	hypo	CHH	-0.0642
Gm10	21879420	21879798	Gmdrm	hypo	CHH	-0.1699
Gm10	21879907	21880897	Gmdrm	hypo	CHH	-0.0382
Gm10	21881426	21882411	Gmdrm	hypo	CHH	-0.0438
Gm10	22025677	22025820	Gmdrm	hypo	CHH	-0.0945
Gm10	22359995	22360047	Gmdrm	hypo	CHH	-0.205
Gm10	22375134	22375268	Gmdrm	hypo	CHH	-0.0689
Gm10	22383358	22384351	Gmdrm	hypo	CHH	-0.0728
Gm10	22392580	22393576	Gmdrm	hypo	CHH	-0.0324
Gm10	22403441	22404437	Gmdrm	hypo	CHH	-0.0266
Gm10	22459188	22460168	Gmdrm	hypo	CHH	-0.0798
Gm10	22463961	22464954	Gmdrm	hypo	CHH	-0.0374
Gm10	22464975	22465971	Gmdrm	hypo	CHH	-0.0388
Gm10	22499141	22499468	Gmdrm	hypo	CHH	-0.03
Gm10	22499748	22499921	Gmdrm	hypo	CHH	-0.0633
Gm10	22500279	22500864	Gmdrm	hypo	CHH	-0.1132
Gm10	22561050	22561132	Gmdrm	hypo	CHH	-0.062
Gm10	22778158	22779154	Gmdrm	hypo	CHH	-0.07
Gm10	22830315	22831291	Gmdrm	hypo	CHH	-0.0675
Gm10	22836925	22837900	Gmdrm	hypo	CHH	-0.0419
Gm10	22848067	22849024	Gmdrm	hypo	CHH	-0.0368
Gm10	22849751	22850749	Gmdrm	hypo	CHH	-0.1242
Gm10	22851060	22852049	Gmdrm	hypo	CHH	-0.0842
Gm10	22859114	22860101	Gmdrm	hypo	CHH	-0.0249
Gm10	22874001	22874990	Gmdrm	hypo	CHH	-0.0329
Gm10	22900564	22901554	Gmdrm	hypo	CHH	-0.08
Gm10	22911202	22912160	Gmdrm	hypo	CHH	-0.0635
Gm10	22912738	22913732	Gmdrm	hypo	CHH	-0.0806
Gm10	22914749	22915747	Gmdrm	hypo	CHH	-0.0779
Gm10	22998854	22998962	Gmdrm	hypo	CHH	-0.2084
Gm10	23012327	23013321	Gmdrm	hypo	CHH	-0.0494

Gm10	23078532	23079447	Gmdrm	hypo	CHH	-0.0258
Gm10	23083140	23083887	Gmdrm	hypo	CHH	-0.3557
Gm10	23084373	23084719	Gmdrm	hypo	CHH	-0.0335
Gm10	23135235	23135320	Gmdrm	hypo	CHH	-0.2347
Gm10	23171253	23171413	Gmdrm	hypo	CHH	-0.038
Gm10	23174665	23175663	Gmdrm	hypo	CHH	-0.1098
Gm10	23177497	23178492	Gmdrm	hypo	CHH	-0.0609
Gm10	23179870	23180852	Gmdrm	hypo	CHH	-0.0152
Gm10	23182920	23183915	Gmdrm	hypo	CHH	-0.0337
Gm10	23183926	23184923	Gmdrm	hypo	CHH	-0.0455
Gm10	23190393	23191387	Gmdrm	hypo	CHH	-0.0395
Gm10	23192407	23193361	Gmdrm	hypo	CHH	-0.1274
Gm10	23196443	23197437	Gmdrm	hypo	CHH	-0.0271
Gm10	23200217	23201199	Gmdrm	hypo	CHH	-0.0266
Gm10	23202236	23203226	Gmdrm	hypo	CHH	-0.02
Gm10	23282450	23283434	Gmdrm	hypo	CHH	-0.0729
Gm10	23309117	23309932	Gmdrm	hypo	CHH	-0.0988
Gm10	23312035	23313034	Gmdrm	hypo	CHH	-0.0893
Gm10	23343495	23344490	Gmdrm	hypo	CHH	-0.0383
Gm10	23344499	23345460	Gmdrm	hypo	CHH	-0.0817
Gm10	23366049	23367012	Gmdrm	hypo	CHH	-0.0284
Gm10	23367084	23368068	Gmdrm	hypo	CHH	-0.0196
Gm10	23484945	23485696	Gmdrm	hypo	CHH	-0.1011
Gm10	23649436	23649655	Gmdrm	hypo	CHH	-0.1097
Gm10	23654854	23655837	Gmdrm	hypo	CHH	-0.1711
Gm10	23658622	23659582	Gmdrm	hypo	CHH	-0.1992
Gm10	23660864	23661738	Gmdrm	hypo	CHH	-0.035
Gm10	23682072	23682463	Gmdrm	hypo	CHH	-0.0572
Gm10	23687774	23688243	Gmdrm	hypo	CHH	-0.0899
Gm10	23691443	23692429	Gmdrm	hypo	CHH	-0.0334
Gm10	23693669	23694658	Gmdrm	hypo	CHH	-0.0812
Gm10	23694678	23695678	Gmdrm	hypo	CHH	-0.0609
Gm10	23728769	23729675	Gmdrm	hypo	CHH	-0.12
Gm10	23731008	23732007	Gmdrm	hypo	CHH	-0.0534
Gm10	23735929	23736923	Gmdrm	hypo	CHH	-0.0416
Gm10	23746857	23747363	Gmdrm	hypo	CHH	-0.0247
Gm10	23808153	23809137	Gmdrm	hypo	CHH	-0.0187
Gm10	23874311	23875309	Gmdrm	hypo	CHH	-0.0455
Gm10	23875322	23876288	Gmdrm	hypo	CHH	-0.051
Gm10	23880840	23881351	Gmdrm	hypo	CHH	-0.0365
Gm10	23892895	23893889	Gmdrm	hypo	CHH	-0.0277
Gm10	23895927	23896911	Gmdrm	hypo	CHH	-0.0188
Gm10	23899324	23900323	Gmdrm	hypo	CHH	-0.0564
Gm10	23900326	23901324	Gmdrm	hypo	CHH	-0.0549
Gm10	23956758	23957755	Gmdrm	hypo	CHH	-0.0391
Gm10	23961410	23962400	Gmdrm	hypo	CHH	-0.0191

Gm10	23962411	23963399	Gmdrm	hypo	CHH	-0.0354
Gm10	23978744	23979733	Gmdrm	hypo	CHH	-0.0373
Gm10	23986084	23987084	Gmdrm	hypo	CHH	-0.025
Gm10	24058893	24059879	Gmdrm	hypo	CHH	-0.0343
Gm10	24062979	24063256	Gmdrm	hypo	CHH	-0.0336
Gm10	24064446	24065446	Gmdrm	hypo	CHH	-0.0499
Gm10	24065453	24066452	Gmdrm	hypo	CHH	-0.0534
Gm10	24148965	24149962	Gmdrm	hypo	CHH	-0.0591
Gm10	24149970	24150915	Gmdrm	hypo	CHH	-0.0311
Gm10	24161843	24162834	Gmdrm	hypo	CHH	-0.0215
Gm10	24162853	24163796	Gmdrm	hypo	CHH	-0.0378
Gm10	24187175	24188167	Gmdrm	hypo	CHH	-0.1816
Gm10	24188177	24189173	Gmdrm	hypo	CHH	-0.0428
Gm10	24200107	24201107	Gmdrm	hypo	CHH	-0.0205
Gm10	24201109	24202057	Gmdrm	hypo	CHH	-0.0641
Gm10	24254505	24255466	Gmdrm	hypo	CHH	-0.0315
Gm10	24341440	24342419	Gmdrm	hypo	CHH	-0.0204
Gm10	24345563	24346548	Gmdrm	hypo	CHH	-0.037
Gm10	24346581	24347576	Gmdrm	hypo	CHH	-0.0565
Gm10	24373143	24374137	Gmdrm	hypo	CHH	-0.0345
Gm10	24374153	24374748	Gmdrm	hypo	CHH	-0.0543
Gm10	24403866	24404828	Gmdrm	hypo	CHH	-0.0999
Gm10	24405772	24406712	Gmdrm	hypo	CHH	-0.0898
Gm10	24418670	24419662	Gmdrm	hypo	CHH	-0.0493
Gm10	24419674	24420673	Gmdrm	hypo	CHH	-0.084
Gm10	24444741	24445715	Gmdrm	hypo	CHH	-0.058
Gm10	24449955	24450308	Gmdrm	hypo	CHH	-0.0762
Gm10	24450412	24451403	Gmdrm	hypo	CHH	-0.0622
Gm10	24470149	24471140	Gmdrm	hypo	CHH	-0.0784
Gm10	24471185	24472147	Gmdrm	hypo	CHH	-0.0629
Gm10	24474262	24475247	Gmdrm	hypo	CHH	-0.0702
Gm10	24475273	24475936	Gmdrm	hypo	CHH	-0.0954
Gm10	24480714	24481708	Gmdrm	hypo	CHH	-0.0641
Gm10	24482718	24483712	Gmdrm	hypo	CHH	-0.061
Gm10	24740129	24741127	Gmdrm	hypo	CHH	-0.0186
Gm10	24742142	24743139	Gmdrm	hypo	CHH	-0.0325
Gm10	24743143	24744143	Gmdrm	hypo	CHH	-0.0975
Gm10	24802943	24803943	Gmdrm	hypo	CHH	-0.0227
Gm10	24803953	24804668	Gmdrm	hypo	CHH	-0.0536
Gm10	24805031	24806017	Gmdrm	hypo	CHH	-0.0112
Gm10	24905651	24906651	Gmdrm	hypo	CHH	-0.0404
Gm10	24909634	24910176	Gmdrm	hypo	CHH	-0.0457
Gm10	24939524	24939926	Gmdrm	hypo	CHH	-0.1412
Gm10	24940773	24941172	Gmdrm	hypo	CHH	-0.0357
Gm10	24947354	24948354	Gmdrm	hypo	CHH	-0.0448
Gm10	24948358	24949297	Gmdrm	hypo	CHH	-0.051

Gm10	24950665	24951656	Gmdrm	hypo	CHH	-0.0222
Gm10	24959973	24960352	Gmdrm	hypo	CHH	-0.0635
Gm10	24960511	24961485	Gmdrm	hypo	CHH	-0.0141
Gm10	24962473	24963390	Gmdrm	hypo	CHH	-0.0248
Gm10	24984124	24985097	Gmdrm	hypo	CHH	-0.0539
Gm10	24993856	24994042	Gmdrm	hypo	CHH	-0.0278
Gm10	25028683	25029653	Gmdrm	hypo	CHH	-0.0109
Gm10	25032697	25033632	Gmdrm	hypo	CHH	-0.0296
Gm10	25034729	25035034	Gmdrm	hypo	CHH	-0.0463
Gm10	25069816	25070813	Gmdrm	hypo	CHH	-0.0685
Gm10	25072878	25073839	Gmdrm	hypo	CHH	-0.0662
Gm10	25130543	25131122	Gmdrm	hypo	CHH	-0.1411
Gm10	25137787	25138769	Gmdrm	hypo	CHH	-0.0468
Gm10	25149940	25150929	Gmdrm	hypo	CHH	-0.0925
Gm10	25169361	25170358	Gmdrm	hypo	CHH	-0.043
Gm10	25181228	25182225	Gmdrm	hypo	CHH	-0.0328
Gm10	25191868	25192857	Gmdrm	hypo	CHH	-0.0447
Gm10	25192874	25193834	Gmdrm	hypo	CHH	-0.0259
Gm10	25271726	25272723	Gmdrm	hypo	CHH	-0.065
Gm10	25281744	25282673	Gmdrm	hypo	CHH	-0.0569
Gm10	25283284	25284252	Gmdrm	hypo	CHH	-0.0512
Gm10	25284309	25285308	Gmdrm	hypo	CHH	-0.0331
Gm10	25286437	25287429	Gmdrm	hypo	CHH	-0.1777
Gm10	25287525	25288253	Gmdrm	hypo	CHH	-0.1064
Gm10	25291156	25292153	Gmdrm	hypo	CHH	-0.0173
Gm10	25302927	25303916	Gmdrm	hypo	CHH	-0.0223
Gm10	25328811	25329810	Gmdrm	hypo	CHH	-0.0152
Gm10	25329816	25330798	Gmdrm	hypo	CHH	-0.0205
Gm10	25355365	25356279	Gmdrm	hypo	CHH	-0.0226
Gm10	25356405	25357398	Gmdrm	hypo	CHH	-0.0399
Gm10	25368376	25369375	Gmdrm	hypo	CHH	-0.0351
Gm10	25373538	25374274	Gmdrm	hypo	CHH	-0.0343
Gm10	25600340	25601317	Gmdrm	hypo	CHH	-0.0308
Gm10	25666796	25667705	Gmdrm	hypo	CHH	-0.0542
Gm10	25692622	25693621	Gmdrm	hypo	CHH	-0.0447
Gm10	25697731	25698705	Gmdrm	hypo	CHH	-0.0456
Gm10	25698735	25699714	Gmdrm	hypo	CHH	-0.0606
Gm10	25700235	25701187	Gmdrm	hypo	CHH	-0.024
Gm10	25739108	25739620	Gmdrm	hypo	CHH	-0.0555
Gm10	25761677	25762636	Gmdrm	hypo	CHH	-0.0373
Gm10	25762680	25763668	Gmdrm	hypo	CHH	-0.0184
Gm10	25764902	25765745	Gmdrm	hypo	CHH	-0.0493
Gm10	25769550	25770542	Gmdrm	hypo	CHH	-0.0542
Gm10	25775713	25776698	Gmdrm	hypo	CHH	-0.0972
Gm10	25776714	25777694	Gmdrm	hypo	CHH	-0.0433
Gm10	25779340	25780339	Gmdrm	hypo	CHH	-0.0896

Gm10	25802229	25803013	Gmdrm	hypo	CHH	-0.0176
Gm10	25865835	25866827	Gmdrm	hypo	CHH	-0.0792
Gm10	25866842	25867832	Gmdrm	hypo	CHH	-0.0438
Gm10	25867843	25868760	Gmdrm	hypo	CHH	-0.0858
Gm10	26122001	26122995	Gmdrm	hypo	CHH	-0.1593
Gm10	26123005	26123269	Gmdrm	hypo	CHH	-0.0389
Gm10	26125137	26126097	Gmdrm	hypo	CHH	-0.1926
Gm10	26129205	26130203	Gmdrm	hypo	CHH	-0.0831
Gm10	26130208	26131202	Gmdrm	hypo	CHH	-0.0697
Gm10	26301765	26302761	Gmdrm	hypo	CHH	-0.03
Gm10	26304882	26305313	Gmdrm	hypo	CHH	-0.1539
Gm10	26308191	26308312	Gmdrm	hypo	CHH	-0.036
Gm10	26311711	26312710	Gmdrm	hypo	CHH	-0.0914
Gm10	26312717	26313683	Gmdrm	hypo	CHH	-0.0667
Gm10	26331819	26332819	Gmdrm	hypo	CHH	-0.0313
Gm10	26334434	26335400	Gmdrm	hypo	CHH	-0.0461
Gm10	26335437	26336435	Gmdrm	hypo	CHH	-0.0683
Gm10	26336449	26337428	Gmdrm	hypo	CHH	-0.1297
Gm10	26340385	26341374	Gmdrm	hypo	CHH	-0.1018
Gm10	26342806	26343022	Gmdrm	hypo	CHH	-0.0314
Gm10	26343128	26343795	Gmdrm	hypo	CHH	-0.0481
Gm10	26402397	26402942	Gmdrm	hypo	CHH	-0.1159
Gm10	26471725	26471834	Gmdrm	hypo	CHH	-0.1048
Gm10	26486645	26487645	Gmdrm	hypo	CHH	-0.0587
Gm10	26492696	26493684	Gmdrm	hypo	CHH	-0.0347
Gm10	26550942	26551937	Gmdrm	hypo	CHH	-0.0206
Gm10	26963290	26964278	Gmdrm	hypo	CHH	-0.0594
Gm10	26964294	26965291	Gmdrm	hypo	CHH	-0.0348
Gm10	26965296	26965945	Gmdrm	hypo	CHH	-0.1113
Gm10	26970018	26971018	Gmdrm	hypo	CHH	-0.264
Gm10	26971038	26971933	Gmdrm	hypo	CHH	-0.0885
Gm10	27053454	27053954	Gmdrm	hypo	CHH	-0.1995
Gm10	27192171	27193168	Gmdrm	hypo	CHH	-0.0327
Gm10	27207060	27208039	Gmdrm	hypo	CHH	-0.0464
Gm10	27208971	27209955	Gmdrm	hypo	CHH	-0.0825
Gm10	27213450	27213756	Gmdrm	hypo	CHH	-0.0475
Gm10	27228101	27229065	Gmdrm	hypo	CHH	-0.0544
Gm10	27229322	27229562	Gmdrm	hypo	CHH	-0.0922
Gm10	27245205	27246033	Gmdrm	hypo	CHH	-0.0527
Gm10	27252054	27253049	Gmdrm	hypo	CHH	-0.0379
Gm10	27443282	27444280	Gmdrm	hypo	CHH	-0.056
Gm10	27446719	27447718	Gmdrm	hypo	CHH	-0.0423
Gm10	27447723	27448722	Gmdrm	hypo	CHH	-0.0595
Gm10	27460878	27461544	Gmdrm	hypo	CHH	-0.09
Gm10	27487970	27488967	Gmdrm	hypo	CHH	-0.0456
Gm10	27488991	27489985	Gmdrm	hypo	CHH	-0.0173

Gm10	27491044	27492044	Gmdrm	hypo	CHH	-0.0549
Gm10	27531803	27532511	Gmdrm	hypo	CHH	-0.0705
Gm10	27568660	27568716	Gmdrm	hypo	CHH	-0.1521
Gm10	27768619	27769594	Gmdrm	hypo	CHH	-0.0189
Gm10	27770684	27771681	Gmdrm	hypo	CHH	-0.0305
Gm10	27782420	27782715	Gmdrm	hypo	CHH	-0.0689
Gm10	27782845	27782934	Gmdrm	hypo	CHH	-0.3229
Gm10	27803556	27803937	Gmdrm	hypo	CHH	-0.02
Gm10	27866442	27867424	Gmdrm	hypo	CHH	-0.0259
Gm10	27894002	27894991	Gmdrm	hypo	CHH	-0.0222
Gm10	27965622	27965651	Gmdrm	hypo	CHH	-0.282
Gm10	28008168	28009161	Gmdrm	hypo	CHH	-0.0285
Gm10	28080733	28081718	Gmdrm	hypo	CHH	-0.031
Gm10	28116146	28116463	Gmdrm	hypo	CHH	-0.0268
Gm10	28116784	28117770	Gmdrm	hypo	CHH	-0.03
Gm10	28237148	28238147	Gmdrm	hypo	CHH	-0.0962
Gm10	28238154	28239154	Gmdrm	hypo	CHH	-0.0462
Gm10	28344466	28345437	Gmdrm	hypo	CHH	-0.029
Gm10	28422384	28422473	Gmdrm	hypo	CHH	-0.0371
Gm10	28423358	28424357	Gmdrm	hypo	CHH	-0.0537
Gm10	28519170	28519466	Gmdrm	hypo	CHH	-0.045
Gm10	28532086	28533068	Gmdrm	hypo	CHH	-0.0311
Gm10	28550216	28550489	Gmdrm	hypo	CHH	-0.0316
Gm10	28556208	28556493	Gmdrm	hypo	CHH	-0.0695
Gm10	28562930	28563854	Gmdrm	hypo	CHH	-0.0711
Gm10	28581954	28582940	Gmdrm	hypo	CHH	-0.0618
Gm10	28652969	28653528	Gmdrm	hypo	CHH	-0.0227
Gm10	28662145	28663102	Gmdrm	hypo	CHH	-0.0545
Gm10	28664256	28664713	Gmdrm	hypo	CHH	-0.0224
Gm10	28730686	28731403	Gmdrm	hypo	CHH	-0.0363
Gm10	28732575	28732908	Gmdrm	hypo	CHH	-0.0393
Gm10	28984535	28984655	Gmdrm	hypo	CHH	-0.1175
Gm10	29061324	29062324	Gmdrm	hypo	CHH	-0.0537
Gm10	29069056	29070045	Gmdrm	hypo	CHH	-0.0717
Gm10	29083031	29084011	Gmdrm	hypo	CHH	-0.0465
Gm10	29084123	29084446	Gmdrm	hypo	CHH	-0.1669
Gm10	29084594	29084895	Gmdrm	hypo	CHH	-0.0852
Gm10	29085006	29086004	Gmdrm	hypo	CHH	-0.0865
Gm10	29091371	29092368	Gmdrm	hypo	CHH	-0.1072
Gm10	29092372	29093104	Gmdrm	hypo	CHH	-0.1741
Gm10	29094219	29095216	Gmdrm	hypo	CHH	-0.0235
Gm10	29098957	29099428	Gmdrm	hypo	CHH	-0.0767
Gm10	29164701	29165697	Gmdrm	hypo	CHH	-0.0227
Gm10	29254091	29255080	Gmdrm	hypo	CHH	-0.0331
Gm10	29258136	29259100	Gmdrm	hypo	CHH	-0.0116
Gm10	29277419	29278377	Gmdrm	hypo	CHH	-0.0976

Gm10	29278426	29279385	Gmdrm	hypo	CHH	-0.1114
Gm10	29279453	29280434	Gmdrm	hypo	CHH	-0.093
Gm10	29284665	29285324	Gmdrm	hypo	CHH	-0.0189
Gm10	29287697	29288697	Gmdrm	hypo	CHH	-0.1052
Gm10	29288698	29289243	Gmdrm	hypo	CHH	-0.2857
Gm10	29291407	29291852	Gmdrm	hypo	CHH	-0.0322
Gm10	29301533	29301893	Gmdrm	hypo	CHH	-0.063
Gm10	29306464	29307429	Gmdrm	hypo	CHH	-0.0989
Gm10	29308560	29309512	Gmdrm	hypo	CHH	-0.0408
Gm10	29309566	29310551	Gmdrm	hypo	CHH	-0.0628
Gm10	29337544	29338513	Gmdrm	hypo	CHH	-0.0332
Gm10	29343744	29344741	Gmdrm	hypo	CHH	-0.0554
Gm10	29444330	29445324	Gmdrm	hypo	CHH	-0.0269
Gm10	29479291	29480275	Gmdrm	hypo	CHH	-0.0338
Gm10	29731886	29732860	Gmdrm	hypo	CHH	-0.0168
Gm10	29759395	29760390	Gmdrm	hypo	CHH	-0.0206
Gm10	29842665	29843649	Gmdrm	hypo	CHH	-0.0219
Gm10	29843676	29844669	Gmdrm	hypo	CHH	-0.0232
Gm10	29931955	29932935	Gmdrm	hypo	CHH	-0.0285
Gm10	29944362	29945359	Gmdrm	hypo	CHH	-0.0566
Gm10	29968768	29969754	Gmdrm	hypo	CHH	-0.1233
Gm10	29970773	29971256	Gmdrm	hypo	CHH	-0.0718
Gm10	29971367	29972342	Gmdrm	hypo	CHH	-0.1303
Gm10	29973226	29974222	Gmdrm	hypo	CHH	-0.0186
Gm10	29974230	29975219	Gmdrm	hypo	CHH	-0.1156
Gm10	30101162	30101821	Gmdrm	hypo	CHH	-0.1138
Gm10	30101936	30102927	Gmdrm	hypo	CHH	-0.0676
Gm10	30102941	30103606	Gmdrm	hypo	CHH	-0.0334
Gm10	30109610	30110605	Gmdrm	hypo	CHH	-0.0769
Gm10	30110640	30111639	Gmdrm	hypo	CHH	-0.0214
Gm10	30130236	30131206	Gmdrm	hypo	CHH	-0.0462
Gm10	30143575	30144527	Gmdrm	hypo	CHH	-0.0311
Gm10	30152649	30153649	Gmdrm	hypo	CHH	-0.065
Gm10	30153658	30154602	Gmdrm	hypo	CHH	-0.0196
Gm10	30168998	30169990	Gmdrm	hypo	CHH	-0.053
Gm10	30170001	30170987	Gmdrm	hypo	CHH	-0.0417
Gm10	30173125	30174113	Gmdrm	hypo	CHH	-0.0121
Gm10	30177548	30178546	Gmdrm	hypo	CHH	-0.0726
Gm10	30180166	30181136	Gmdrm	hypo	CHH	-0.0365
Gm10	30181167	30182166	Gmdrm	hypo	CHH	-0.0549
Gm10	30184171	30184616	Gmdrm	hypo	CHH	-0.1074
Gm10	30184727	30185714	Gmdrm	hypo	CHH	-0.1571
Gm10	30197663	30198638	Gmdrm	hypo	CHH	-0.1758
Gm10	30211272	30211415	Gmdrm	hypo	CHH	-0.0354
Gm10	30230594	30230960	Gmdrm	hypo	CHH	-0.05
Gm10	30231594	30232581	Gmdrm	hypo	CHH	-0.0157

Gm10	30238684	30239641 Gmdrm	hypo	CHH	-0.0377
Gm10	30262663	30263643 Gmdrm	hypo	CHH	-0.0177
Gm10	30269919	30270917 Gmdrm	hypo	CHH	-0.0283
Gm10	30271952	30272221 Gmdrm	hypo	CHH	-0.035
Gm10	30275045	30275523 Gmdrm	hypo	CHH	-0.1048
Gm10	30303741	30304082 Gmdrm	hypo	CHH	-0.0331
Gm10	30315044	30315278 Gmdrm	hypo	CHH	-0.1491
Gm10	30331952	30332946 Gmdrm	hypo	CHH	-0.0271
Gm10	30337943	30338297 Gmdrm	hypo	CHH	-0.0189
Gm10	30343750	30344719 Gmdrm	hypo	CHH	-0.0614
Gm10	30472700	30473687 Gmdrm	hypo	CHH	-0.122
Gm10	30473709	30474672 Gmdrm	hypo	CHH	-0.0501
Gm10	30474905	30475901 Gmdrm	hypo	CHH	-0.1036
Gm10	30475906	30476903 Gmdrm	hypo	CHH	-0.0453
Gm10	30477658	30478638 Gmdrm	hypo	CHH	-0.0317
Gm10	30498766	30499766 Gmdrm	hypo	CHH	-0.0596
Gm10	30499805	30500803 Gmdrm	hypo	CHH	-0.3151
Gm10	30503863	30504854 Gmdrm	hypo	CHH	-0.0175
Gm10	30509855	30510838 Gmdrm	hypo	CHH	-0.0183
Gm10	30512017	30512985 Gmdrm	hypo	CHH	-0.03
Gm10	30513044	30514041 Gmdrm	hypo	CHH	-0.1483
Gm10	30514048	30514876 Gmdrm	hypo	CHH	-0.1818
Gm10	30515079	30516016 Gmdrm	hypo	CHH	-0.0891
Gm10	30516118	30517115 Gmdrm	hypo	CHH	-0.0265
Gm10	30520546	30521545 Gmdrm	hypo	CHH	-0.0173
Gm10	30521555	30522271 Gmdrm	hypo	CHH	-0.0541
Gm10	30522522	30523517 Gmdrm	hypo	CHH	-0.0268
Gm10	30523551	30524542 Gmdrm	hypo	CHH	-0.0275
Gm10	30531840	30532837 Gmdrm	hypo	CHH	-0.1344
Gm10	30532854	30533841 Gmdrm	hypo	CHH	-0.0457
Gm10	30549133	30550126 Gmdrm	hypo	CHH	-0.0212
Gm10	30559130	30560129 Gmdrm	hypo	CHH	-0.1288
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Gm10	30631889	30632879 Gmdrm	hypo	CHH	-0.0552
Gm10	30643527	30644513 Gmdrm	hypo	CHH	-0.0308
Gm10	30713244	30714231 Gmdrm	hypo	CHH	-0.0139
Gm10	30714257	30715223 Gmdrm	hypo	CHH	-0.0181
Gm10	30716711	30717711 Gmdrm	hypo	CHH	-0.0185
Gm10	30722718	30723712 Gmdrm	hypo	CHH	-0.0234
Gm10	30733239	30734233 Gmdrm	hypo	CHH	-0.0521
Gm10	30735596	30736595 Gmdrm	hypo	CHH	-0.0977
Gm10	30736613	30737536 Gmdrm	hypo	CHH	-0.0883
Gm10	30738999	30739993 Gmdrm	hypo	CHH	-0.0247
Gm10	30740003	30740971 Gmdrm	hypo	CHH	-0.0382
Gm10	30743253	30744247 Gmdrm	hypo	CHH	-0.0217
Gm10	30744256	30745253 Gmdrm	hypo	CHH	-0.026

Gm10	30745257	30746217	Gmdrm	hypo	CHH	-0.0305
Gm10	30784940	30785233	Gmdrm	hypo	CHH	-0.1128
Gm10	30785411	30786396	Gmdrm	hypo	CHH	-0.0776
Gm10	30824469	30824964	Gmdrm	hypo	CHH	-0.0223
Gm10	30832456	30833424	Gmdrm	hypo	CHH	-0.0489
Gm10	30833495	30834492	Gmdrm	hypo	CHH	-0.015
Gm10	30834497	30835475	Gmdrm	hypo	CHH	-0.0509
Gm10	30844538	30845534	Gmdrm	hypo	CHH	-0.0531
Gm10	30847564	30848558	Gmdrm	hypo	CHH	-0.0136
Gm10	30853584	30854576	Gmdrm	hypo	CHH	-0.0273
Gm10	30876192	30877006	Gmdrm	hypo	CHH	-0.1404
Gm10	30881912	30882911	Gmdrm	hypo	CHH	-0.0916
Gm10	30883232	30883542	Gmdrm	hypo	CHH	-0.093
Gm10	30889950	30890879	Gmdrm	hypo	CHH	-0.1318
Gm10	30890965	30891308	Gmdrm	hypo	CHH	-0.1142
Gm10	30915027	30915693	Gmdrm	hypo	CHH	-0.0262
Gm10	30931256	30932238	Gmdrm	hypo	CHH	-0.0198
Gm10	30937251	30938230	Gmdrm	hypo	CHH	-0.0153
Gm10	30941340	30942339	Gmdrm	hypo	CHH	-0.0404
Gm10	30946372	30946944	Gmdrm	hypo	CHH	-0.0744
Gm10	30947254	30948251	Gmdrm	hypo	CHH	-0.0748
Gm10	30948326	30949325	Gmdrm	hypo	CHH	-0.1122
Gm10	30949329	30950323	Gmdrm	hypo	CHH	-0.0854
Gm10	30950333	30951333	Gmdrm	hypo	CHH	-0.0353
Gm10	30951344	30952311	Gmdrm	hypo	CHH	-0.0156
Gm10	30965386	30966378	Gmdrm	hypo	CHH	-0.1025
Gm10	30980322	30981320	Gmdrm	hypo	CHH	-0.0187
Gm10	30981422	30982352	Gmdrm	hypo	CHH	-0.0429
Gm10	30996361	30997218	Gmdrm	hypo	CHH	-0.0233
Gm10	31004486	31005486	Gmdrm	hypo	CHH	-0.0555
Gm10	31039045	31039484	Gmdrm	hypo	CHH	-0.0837
Gm10	31068466	31069073	Gmdrm	hypo	CHH	-0.0513
Gm10	31069470	31070467	Gmdrm	hypo	CHH	-0.0558
Gm10	31070737	31071737	Gmdrm	hypo	CHH	-0.0396
Gm10	31071740	31072723	Gmdrm	hypo	CHH	-0.0783
Gm10	31092001	31092793	Gmdrm	hypo	CHH	-0.0349
Gm10	31094316	31095306	Gmdrm	hypo	CHH	-0.0288
Gm10	31095359	31096019	Gmdrm	hypo	CHH	-0.068
Gm10	31097292	31098285	Gmdrm	hypo	CHH	-0.1215
Gm10	31123532	31123815	Gmdrm	hypo	CHH	-0.0726
Gm10	31178806	31179804	Gmdrm	hypo	CHH	-0.0637
Gm10	31179812	31179883	Gmdrm	hypo	CHH	-0.186
Gm10	31183304	31183698	Gmdrm	hypo	CHH	-0.0283
Gm10	31185386	31186386	Gmdrm	hypo	CHH	-0.0257
Gm10	31186391	31187389	Gmdrm	hypo	CHH	-0.0441
Gm10	31199325	31200324	Gmdrm	hypo	CHH	-0.0332

Gm10	31200704	31201701	Gmdrm	hypo	CHH	-0.023
Gm10	31201719	31202560	Gmdrm	hypo	CHH	-0.0544
Gm10	31211358	31212350	Gmdrm	hypo	CHH	-0.1093
Gm10	31212402	31213396	Gmdrm	hypo	CHH	-0.117
Gm10	31213407	31214403	Gmdrm	hypo	CHH	-0.0544
Gm10	31224022	31224469	Gmdrm	hypo	CHH	-0.0368
Gm10	31278904	31279903	Gmdrm	hypo	CHH	-0.0473
Gm10	31312673	31313642	Gmdrm	hypo	CHH	-0.0467
Gm10	31423136	31423256	Gmdrm	hypo	CHH	-0.039
Gm10	31436902	31437901	Gmdrm	hypo	CHH	-0.1217
Gm10	31437907	31438897	Gmdrm	hypo	CHH	-0.0448
Gm10	31442973	31443971	Gmdrm	hypo	CHH	-0.064
Gm10	31443976	31444876	Gmdrm	hypo	CHH	-0.0789
Gm10	31449952	31450928	Gmdrm	hypo	CHH	-0.0393
Gm10	31450976	31451234	Gmdrm	hypo	CHH	-0.0562
Gm10	31487328	31488302	Gmdrm	hypo	CHH	-0.0196
Gm10	31489387	31489881	Gmdrm	hypo	CHH	-0.0272
Gm10	31490607	31491596	Gmdrm	hypo	CHH	-0.1588
Gm10	31491609	31492099	Gmdrm	hypo	CHH	-0.0514
Gm10	31494730	31495460	Gmdrm	hypo	CHH	-0.1229
Gm10	31497744	31498212	Gmdrm	hypo	CHH	-0.0643
Gm10	31551445	31552435	Gmdrm	hypo	CHH	-0.0605
Gm10	31552453	31553443	Gmdrm	hypo	CHH	-0.1137
Gm10	31577514	31577890	Gmdrm	hypo	CHH	-0.0525
Gm10	31720971	31721051	Gmdrm	hypo	CHH	-0.1867
Gm10	31743877	31744867	Gmdrm	hypo	CHH	-0.0349
Gm10	31770228	31771212	Gmdrm	hypo	CHH	-0.0139
Gm10	31840318	31841307	Gmdrm	hypo	CHH	-0.1001
Gm10	31841323	31842308	Gmdrm	hypo	CHH	-0.0495
Gm10	31903810	31904808	Gmdrm	hypo	CHH	-0.0254
Gm10	31905849	31906837	Gmdrm	hypo	CHH	-0.015
Gm10	31906850	31907848	Gmdrm	hypo	CHH	-0.0607
Gm10	31907856	31908823	Gmdrm	hypo	CHH	-0.0504
Gm10	31908919	31909917	Gmdrm	hypo	CHH	-0.0217
Gm10	31922747	31923341	Gmdrm	hypo	CHH	-0.0763
Gm10	31927106	31928100	Gmdrm	hypo	CHH	-0.0599
Gm10	31965765	31965970	Gmdrm	hypo	CHH	-0.1487
Gm10	32140536	32141536	Gmdrm	hypo	CHH	-0.0276
Gm10	32141537	32142536	Gmdrm	hypo	CHH	-0.0722
Gm10	32142541	32143015	Gmdrm	hypo	CHH	-0.0293
Gm10	32143384	32144379	Gmdrm	hypo	CHH	-0.0718
Gm10	32144781	32145768	Gmdrm	hypo	CHH	-0.02
Gm10	32149336	32150319	Gmdrm	hypo	CHH	-0.0112
Gm10	32150383	32151376	Gmdrm	hypo	CHH	-0.0729
Gm10	32151398	32152398	Gmdrm	hypo	CHH	-0.0789
Gm10	32155419	32156401	Gmdrm	hypo	CHH	-0.0482

Gm10	32156439	32157407	Gmdrm	hypo	CHH	-0.1068
Gm10	32157516	32158494	Gmdrm	hypo	CHH	-0.0873
Gm10	32158523	32158976	Gmdrm	hypo	CHH	-0.2271
Gm10	32159089	32160077	Gmdrm	hypo	CHH	-0.1626
Gm10	32227748	32228524	Gmdrm	hypo	CHH	-0.0317
Gm10	32236047	32237047	Gmdrm	hypo	CHH	-0.0277
Gm10	32261175	32261471	Gmdrm	hypo	CHH	-0.0252
Gm10	32287717	32288717	Gmdrm	hypo	CHH	-0.0776
Gm10	32288720	32289317	Gmdrm	hypo	CHH	-0.1015
Gm10	32309889	32310866	Gmdrm	hypo	CHH	-0.0468
Gm10	32314679	32315674	Gmdrm	hypo	CHH	-0.0219
Gm10	32315707	32316446	Gmdrm	hypo	CHH	-0.0259
Gm10	32322814	32323777	Gmdrm	hypo	CHH	-0.0621
Gm10	32323835	32324829	Gmdrm	hypo	CHH	-0.0195
Gm10	32406484	32407338	Gmdrm	hypo	CHH	-0.0641
Gm10	32415522	32416520	Gmdrm	hypo	CHH	-0.0764
Gm10	32471146	32471641	Gmdrm	hypo	CHH	-0.0639
Gm10	32472890	32473889	Gmdrm	hypo	CHH	-0.0616
Gm10	32499009	32499342	Gmdrm	hypo	CHH	-0.0754
Gm10	32515807	32516799	Gmdrm	hypo	CHH	-0.0415
Gm10	32522554	32523370	Gmdrm	hypo	CHH	-0.0193
Gm10	32524695	32525683	Gmdrm	hypo	CHH	-0.0423
Gm10	32528769	32529763	Gmdrm	hypo	CHH	-0.0237
Gm10	32531945	32532943	Gmdrm	hypo	CHH	-0.1081
Gm10	32532948	32533937	Gmdrm	hypo	CHH	-0.0529
Gm10	32538935	32539289	Gmdrm	hypo	CHH	-0.2639
Gm10	32542229	32543223	Gmdrm	hypo	CHH	-0.0662
Gm10	32543232	32543833	Gmdrm	hypo	CHH	-0.0248
Gm10	32543964	32544964	Gmdrm	hypo	CHH	-0.0169
Gm10	32575947	32576861	Gmdrm	hypo	CHH	-0.0474
Gm10	32602603	32603590	Gmdrm	hypo	CHH	-0.019
Gm10	32603604	32604602	Gmdrm	hypo	CHH	-0.0237
Gm10	32604608	32604759	Gmdrm	hypo	CHH	-0.1031
Gm10	32606684	32607684	Gmdrm	hypo	CHH	-0.0369
Gm10	32638172	32639162	Gmdrm	hypo	CHH	-0.0625
Gm10	32639179	32639632	Gmdrm	hypo	CHH	-0.05
Gm10	32648076	32649074	Gmdrm	hypo	CHH	-0.11
Gm10	32649078	32649509	Gmdrm	hypo	CHH	-0.1082
Gm10	32649652	32650627	Gmdrm	hypo	CHH	-0.0197
Gm10	32653958	32654956	Gmdrm	hypo	CHH	-0.0364
Gm10	32657044	32658035	Gmdrm	hypo	CHH	-0.0774
Gm10	32659070	32660069	Gmdrm	hypo	CHH	-0.0835
Gm10	32727472	32728467	Gmdrm	hypo	CHH	-0.0777
Gm10	32728485	32729471	Gmdrm	hypo	CHH	-0.1046
Gm10	32733834	32733865	Gmdrm	hypo	CHH	-0.05
Gm10	32735747	32736744	Gmdrm	hypo	CHH	-0.1072

Gm10	32769587	32770587	Gmdrm	hypo	CHH	-0.0266
Gm10	32781242	32782240	Gmdrm	hypo	CHH	-0.0423
Gm10	32782244	32783243	Gmdrm	hypo	CHH	-0.089
Gm10	32783245	32784222	Gmdrm	hypo	CHH	-0.056
Gm10	32784247	32785242	Gmdrm	hypo	CHH	-0.063
Gm10	32787311	32788305	Gmdrm	hypo	CHH	-0.0393
Gm10	32788314	32789307	Gmdrm	hypo	CHH	-0.0622
Gm10	32791069	32792047	Gmdrm	hypo	CHH	-0.0175
Gm10	32794968	32795968	Gmdrm	hypo	CHH	-0.051
Gm10	32795970	32796618	Gmdrm	hypo	CHH	-0.0577
Gm10	32796725	32797460	Gmdrm	hypo	CHH	-0.0187
Gm10	32803381	32804381	Gmdrm	hypo	CHH	-0.0135
Gm10	32807181	32808169	Gmdrm	hypo	CHH	-0.049
Gm10	32808190	32809107	Gmdrm	hypo	CHH	-0.0236
Gm10	32824496	32825482	Gmdrm	hypo	CHH	-0.0928
Gm10	32825894	32826893	Gmdrm	hypo	CHH	-0.1714
Gm10	32826896	32827895	Gmdrm	hypo	CHH	-0.161
Gm10	32832032	32832375	Gmdrm	hypo	CHH	-0.0957
Gm10	32832631	32833627	Gmdrm	hypo	CHH	-0.0726
Gm10	32838686	32839686	Gmdrm	hypo	CHH	-0.1213
Gm10	32840740	32841024	Gmdrm	hypo	CHH	-0.2512
Gm10	32849103	32850103	Gmdrm	hypo	CHH	-0.0652
Gm10	32871777	32872490	Gmdrm	hypo	CHH	-0.0953
Gm10	32873535	32874486	Gmdrm	hypo	CHH	-0.0943
Gm10	32874580	32875216	Gmdrm	hypo	CHH	-0.0739
Gm10	32876280	32877269	Gmdrm	hypo	CHH	-0.026
Gm10	32877427	32878426	Gmdrm	hypo	CHH	-0.0353
Gm10	32903736	32904700	Gmdrm	hypo	CHH	-0.0451
Gm10	32955284	32956268	Gmdrm	hypo	CHH	-0.0333
Gm10	32992053	32992471	Gmdrm	hypo	CHH	-0.0776
Gm10	32992596	32992689	Gmdrm	hypo	CHH	-0.075
Gm10	32993371	32994362	Gmdrm	hypo	CHH	-0.1087
Gm10	32996565	32997536	Gmdrm	hypo	CHH	-0.0376
Gm10	32998066	32998283	Gmdrm	hypo	CHH	-0.129
Gm10	33063781	33064781	Gmdrm	hypo	CHH	-0.0164
Gm10	33070824	33071807	Gmdrm	hypo	CHH	-0.0722
Gm10	33073036	33073486	Gmdrm	hypo	CHH	-0.0406
Gm10	33143014	33143066	Gmdrm	hypo	CHH	-0.1622
Gm10	33228132	33229099	Gmdrm	hypo	CHH	-0.0626
Gm10	33310241	33311036	Gmdrm	hypo	CHH	-0.0829
Gm10	33327186	33328184	Gmdrm	hypo	CHH	-0.0261
Gm10	33336493	33336637	Gmdrm	hypo	CHH	-0.075
Gm10	33340129	33340861	Gmdrm	hypo	CHH	-0.0619
Gm10	33390450	33391420	Gmdrm	hypo	CHH	-0.0657
Gm10	33462401	33463399	Gmdrm	hypo	CHH	-0.0305
Gm10	33611830	33612798	Gmdrm	hypo	CHH	-0.0278

Gm10	33613108	33613731	Gmdrm	hypo	CHH	-0.259
Gm10	33614689	33615277	Gmdrm	hypo	CHH	-0.0156
Gm10	33786523	33787080	Gmdrm	hypo	CHH	-0.0261
Gm10	33792989	33793984	Gmdrm	hypo	CHH	-0.0787
Gm10	33793995	33794991	Gmdrm	hypo	CHH	-0.0182
Gm10	33795708	33796708	Gmdrm	hypo	CHH	-0.0349
Gm10	33796711	33797708	Gmdrm	hypo	CHH	-0.0527
Gm10	33797712	33798710	Gmdrm	hypo	CHH	-0.0563
Gm10	33798713	33799688	Gmdrm	hypo	CHH	-0.0267
Gm10	33800724	33801708	Gmdrm	hypo	CHH	-0.0158
Gm10	33854524	33855512	Gmdrm	hypo	CHH	-0.0498
Gm10	33856080	33857080	Gmdrm	hypo	CHH	-0.0355
Gm10	33900973	33901957	Gmdrm	hypo	CHH	-0.0352
Gm10	33932948	33933945	Gmdrm	hypo	CHH	-0.108
Gm10	33954094	33955092	Gmdrm	hypo	CHH	-0.038
Gm10	33955095	33956072	Gmdrm	hypo	CHH	-0.0215
Gm10	33967685	33968673	Gmdrm	hypo	CHH	-0.0344
Gm10	33969635	33970633	Gmdrm	hypo	CHH	-0.0516
Gm10	33971947	33972943	Gmdrm	hypo	CHH	-0.0181
Gm10	33975379	33976354	Gmdrm	hypo	CHH	-0.0363
Gm10	34023259	34024215	Gmdrm	hypo	CHH	-0.0163
Gm10	34026728	34027727	Gmdrm	hypo	CHH	-0.0733
Gm10	34089558	34090527	Gmdrm	hypo	CHH	-0.0287
Gm10	34099996	34100988	Gmdrm	hypo	CHH	-0.0336
Gm10	34119913	34120908	Gmdrm	hypo	CHH	-0.0266
Gm10	34120966	34121219	Gmdrm	hypo	CHH	-0.0369
Gm10	34155377	34156367	Gmdrm	hypo	CHH	-0.0907
Gm10	34165565	34166565	Gmdrm	hypo	CHH	-0.0579
Gm10	34171408	34172389	Gmdrm	hypo	CHH	-0.0117
Gm10	34278976	34279519	Gmdrm	hypo	CHH	-0.0305
Gm10	34279898	34280049	Gmdrm	hypo	CHH	-0.048
Gm10	34291371	34292328	Gmdrm	hypo	CHH	-0.012
Gm10	34296848	34297557	Gmdrm	hypo	CHH	-0.0502
Gm10	34298689	34299688	Gmdrm	hypo	CHH	-0.0667
Gm10	34304063	34304872	Gmdrm	hypo	CHH	-0.0169
Gm10	34309727	34310159	Gmdrm	hypo	CHH	-0.0464
Gm10	34315798	34316782	Gmdrm	hypo	CHH	-0.0254
Gm10	34327553	34328541	Gmdrm	hypo	CHH	-0.0396
Gm10	34328554	34329549	Gmdrm	hypo	CHH	-0.0219
Gm10	34332665	34333663	Gmdrm	hypo	CHH	-0.0222
Gm10	34333669	34334471	Gmdrm	hypo	CHH	-0.0444
Gm10	34337970	34338581	Gmdrm	hypo	CHH	-0.0459
Gm10	34343026	34344024	Gmdrm	hypo	CHH	-0.0208
Gm10	34344029	34345021	Gmdrm	hypo	CHH	-0.05
Gm10	34366909	34367901	Gmdrm	hypo	CHH	-0.0397
Gm10	34367915	34368588	Gmdrm	hypo	CHH	-0.0527

Gm10	34371498	34372474	Gmdrm	hypo	CHH	-0.0684
Gm10	34372523	34373426	Gmdrm	hypo	CHH	-0.0155
Gm10	34378935	34379933	Gmdrm	hypo	CHH	-0.0372
Gm10	34387411	34387944	Gmdrm	hypo	CHH	-0.0196
Gm10	34389093	34389474	Gmdrm	hypo	CHH	-0.0338
Gm10	34390071	34391049	Gmdrm	hypo	CHH	-0.0547
Gm10	34391072	34391806	Gmdrm	hypo	CHH	-0.0401
Gm10	34416577	34417569	Gmdrm	hypo	CHH	-0.0615
Gm10	34422776	34423748	Gmdrm	hypo	CHH	-0.0351
Gm10	34428841	34429837	Gmdrm	hypo	CHH	-0.0175
Gm10	34429855	34430843	Gmdrm	hypo	CHH	-0.0166
Gm10	34445781	34446780	Gmdrm	hypo	CHH	-0.0133
Gm10	34546935	34547933	Gmdrm	hypo	CHH	-0.0177
Gm10	34548943	34549933	Gmdrm	hypo	CHH	-0.0354
Gm10	34609869	34610848	Gmdrm	hypo	CHH	-0.0254
Gm10	34611905	34612458	Gmdrm	hypo	CHH	-0.0416
Gm10	34632643	34633568	Gmdrm	hypo	CHH	-0.0371
Gm10	34635684	34636683	Gmdrm	hypo	CHH	-0.0536
Gm10	34638102	34639102	Gmdrm	hypo	CHH	-0.0313
Gm10	34639114	34640100	Gmdrm	hypo	CHH	-0.0111
Gm10	34643874	34644874	Gmdrm	hypo	CHH	-0.0365
Gm10	34644875	34645302	Gmdrm	hypo	CHH	-0.0928
Gm10	34645413	34646410	Gmdrm	hypo	CHH	-0.0322
Gm10	34656701	34657698	Gmdrm	hypo	CHH	-0.0454
Gm10	34661872	34662872	Gmdrm	hypo	CHH	-0.0309
Gm10	34662875	34663871	Gmdrm	hypo	CHH	-0.0182
Gm10	34668805	34668985	Gmdrm	hypo	CHH	-0.0812
Gm10	34670313	34671305	Gmdrm	hypo	CHH	-0.0853
Gm10	34739365	34740363	Gmdrm	hypo	CHH	-0.048
Gm10	34823145	34824141	Gmdrm	hypo	CHH	-0.0506
Gm10	34824147	34825036	Gmdrm	hypo	CHH	-0.0311
Gm10	34868517	34869499	Gmdrm	hypo	CHH	-0.0478
Gm10	34897965	34898955	Gmdrm	hypo	CHH	-0.0557
Gm10	34900977	34901959	Gmdrm	hypo	CHH	-0.0266
Gm10	34912777	34913755	Gmdrm	hypo	CHH	-0.0586
Gm10	34934270	34935264	Gmdrm	hypo	CHH	-0.1611
Gm10	34940430	34941088	Gmdrm	hypo	CHH	-0.0327
Gm10	34947514	34948507	Gmdrm	hypo	CHH	-0.0872
Gm10	34948535	34948815	Gmdrm	hypo	CHH	-0.0417
Gm10	34976456	34977449	Gmdrm	hypo	CHH	-0.0467
Gm10	34977469	34978443	Gmdrm	hypo	CHH	-0.0472
Gm10	34979483	34980483	Gmdrm	hypo	CHH	-0.0387
Gm10	35111583	35112581	Gmdrm	hypo	CHH	-0.059
Gm10	35123990	35124408	Gmdrm	hypo	CHH	-0.0476
Gm10	35124532	35125530	Gmdrm	hypo	CHH	-0.0725
Gm10	35125537	35126210	Gmdrm	hypo	CHH	-0.042

Gm10	35128644	35129640	Gmdrm	hypo	CHH	-0.2235
Gm10	35131125	35132085	Gmdrm	hypo	CHH	-0.1413
Gm10	35187696	35187909	Gmdrm	hypo	CHH	-0.0307
Gm10	35189906	35190895	Gmdrm	hypo	CHH	-0.0239
Gm10	35194007	35194447	Gmdrm	hypo	CHH	-0.0306
Gm10	35194555	35195553	Gmdrm	hypo	CHH	-0.1956
Gm10	35195560	35196558	Gmdrm	hypo	CHH	-0.1351
Gm10	35196564	35197555	Gmdrm	hypo	CHH	-0.0355
Gm10	35198569	35199113	Gmdrm	hypo	CHH	-0.0551
Gm10	35201257	35202257	Gmdrm	hypo	CHH	-0.0129
Gm10	35241568	35242543	Gmdrm	hypo	CHH	-0.0338
Gm10	35257645	35258412	Gmdrm	hypo	CHH	-0.0175
Gm10	35261950	35262937	Gmdrm	hypo	CHH	-0.0339
Gm10	35312282	35313279	Gmdrm	hypo	CHH	-0.0541
Gm10	35314569	35315550	Gmdrm	hypo	CHH	-0.0517
Gm10	35315589	35316574	Gmdrm	hypo	CHH	-0.0384
Gm10	35316604	35317583	Gmdrm	hypo	CHH	-0.0545
Gm10	35317614	35318105	Gmdrm	hypo	CHH	-0.0858
Gm10	35318232	35318762	Gmdrm	hypo	CHH	-0.0473
Gm10	35320387	35321345	Gmdrm	hypo	CHH	-0.0498
Gm10	35323748	35324149	Gmdrm	hypo	CHH	-0.0422
Gm10	35325423	35325475	Gmdrm	hypo	CHH	-0.055
Gm10	35371514	35372492	Gmdrm	hypo	CHH	-0.0257
Gm10	35378478	35378894	Gmdrm	hypo	CHH	-0.0244
Gm10	35389512	35390509	Gmdrm	hypo	CHH	-0.0155
Gm10	35390573	35391547	Gmdrm	hypo	CHH	-0.0252
Gm10	35405801	35406799	Gmdrm	hypo	CHH	-0.0715
Gm10	35409596	35410592	Gmdrm	hypo	CHH	-0.0201
Gm10	35411453	35411602	Gmdrm	hypo	CHH	-0.0633
Gm10	35416129	35417102	Gmdrm	hypo	CHH	-0.0219
Gm10	35422751	35423727	Gmdrm	hypo	CHH	-0.0562
Gm10	35434249	35435247	Gmdrm	hypo	CHH	-0.0161
Gm10	35445872	35446775	Gmdrm	hypo	CHH	-0.0502
Gm10	35448458	35449452	Gmdrm	hypo	CHH	-0.0569
Gm10	35453924	35454912	Gmdrm	hypo	CHH	-0.0438
Gm10	35455493	35456491	Gmdrm	hypo	CHH	-0.0747
Gm10	35459513	35460512	Gmdrm	hypo	CHH	-0.0278
Gm10	35460523	35461520	Gmdrm	hypo	CHH	-0.0864
Gm10	35461524	35462295	Gmdrm	hypo	CHH	-0.1299
Gm10	35462931	35463920	Gmdrm	hypo	CHH	-0.0415
Gm10	35466021	35466994	Gmdrm	hypo	CHH	-0.0578
Gm10	35467034	35468031	Gmdrm	hypo	CHH	-0.0686
Gm10	35468043	35469009	Gmdrm	hypo	CHH	-0.0388
Gm10	35470051	35471034	Gmdrm	hypo	CHH	-0.0464
Gm10	35471055	35471984	Gmdrm	hypo	CHH	-0.0436
Gm10	35497758	35498753	Gmdrm	hypo	CHH	-0.0648

Gm10	35504329	35505327	Gmdrm	hypo	CHH	-0.0181
Gm10	35505359	35506359	Gmdrm	hypo	CHH	-0.0516
Gm10	35511363	35512286	Gmdrm	hypo	CHH	-0.0488
Gm10	35516122	35517118	Gmdrm	hypo	CHH	-0.0617
Gm10	35556150	35556739	Gmdrm	hypo	CHH	-0.0455
Gm10	35586632	35587624	Gmdrm	hypo	CHH	-0.0197
Gm10	35587637	35588635	Gmdrm	hypo	CHH	-0.0401
Gm10	35590054	35591051	Gmdrm	hypo	CHH	-0.2742
Gm10	35593074	35593265	Gmdrm	hypo	CHH	-0.0407
Gm10	35595078	35596078	Gmdrm	hypo	CHH	-0.092
Gm10	35644513	35645495	Gmdrm	hypo	CHH	-0.0375
Gm10	35673298	35674297	Gmdrm	hypo	CHH	-0.0457
Gm10	35676217	35676445	Gmdrm	hypo	CHH	-0.1637
Gm10	35680188	35681155	Gmdrm	hypo	CHH	-0.0171
Gm10	35692811	35693810	Gmdrm	hypo	CHH	-0.0113
Gm10	35707951	35708947	Gmdrm	hypo	CHH	-0.0429
Gm10	35709276	35710274	Gmdrm	hypo	CHH	-0.0615
Gm10	35710278	35711271	Gmdrm	hypo	CHH	-0.2937
Gm10	35712297	35713297	Gmdrm	hypo	CHH	-0.0784
Gm10	35713305	35714297	Gmdrm	hypo	CHH	-0.0157
Gm10	35744857	35745847	Gmdrm	hypo	CHH	-0.0597
Gm10	35745861	35746848	Gmdrm	hypo	CHH	-0.0228
Gm10	35761930	35762930	Gmdrm	hypo	CHH	-0.0114
Gm10	35773526	35773897	Gmdrm	hypo	CHH	-0.0529
Gm10	35798041	35798396	Gmdrm	hypo	CHH	-0.2263
Gm10	35800653	35801018	Gmdrm	hypo	CHH	-0.0185
Gm10	35801128	35801491	Gmdrm	hypo	CHH	-0.0344
Gm10	35802492	35803491	Gmdrm	hypo	CHH	-0.0598
Gm10	35807513	35808512	Gmdrm	hypo	CHH	-0.0683
Gm10	35808516	35809515	Gmdrm	hypo	CHH	-0.0186
Gm10	35809539	35810537	Gmdrm	hypo	CHH	-0.2044
Gm10	35823800	35824082	Gmdrm	hypo	CHH	-0.036
Gm10	35824284	35825284	Gmdrm	hypo	CHH	-0.0384
Gm10	35825301	35825751	Gmdrm	hypo	CHH	-0.2435
Gm10	35831482	35832182	Gmdrm	hypo	CHH	-0.111
Gm10	35837754	35838753	Gmdrm	hypo	CHH	-0.0326
Gm10	35839697	35840683	Gmdrm	hypo	CHH	-0.0512
Gm10	35846659	35847656	Gmdrm	hypo	CHH	-0.0199
Gm10	35857731	35858094	Gmdrm	hypo	CHH	-0.1046
Gm10	35859739	35860739	Gmdrm	hypo	CHH	-0.0145
Gm10	35872262	35873253	Gmdrm	hypo	CHH	-0.1142
Gm10	35874783	35875710	Gmdrm	hypo	CHH	-0.0304
Gm10	35879296	35880279	Gmdrm	hypo	CHH	-0.0397
Gm10	35886610	35887587	Gmdrm	hypo	CHH	-0.0238
Gm10	35887619	35888330	Gmdrm	hypo	CHH	-0.0228
Gm10	35888453	35888994	Gmdrm	hypo	CHH	-0.1853

Gm10	35893260	35894260	Gmdrm	hypo	CHH	-0.0324
Gm10	35894267	35894835	Gmdrm	hypo	CHH	-0.1735
Gm10	35899079	35899137	Gmdrm	hypo	CHH	-0.056
Gm10	35902581	35903581	Gmdrm	hypo	CHH	-0.013
Gm10	35904074	35905068	Gmdrm	hypo	CHH	-0.0703
Gm10	35906084	35907082	Gmdrm	hypo	CHH	-0.0617
Gm10	35948461	35949448	Gmdrm	hypo	CHH	-0.0327
Gm10	35961562	35962235	Gmdrm	hypo	CHH	-0.0379
Gm10	35963932	35964922	Gmdrm	hypo	CHH	-0.0226
Gm10	35965963	35966962	Gmdrm	hypo	CHH	-0.0298
Gm10	35969837	35970827	Gmdrm	hypo	CHH	-0.0885
Gm10	35974108	35974525	Gmdrm	hypo	CHH	-0.0733
Gm10	35974714	35975704	Gmdrm	hypo	CHH	-0.1031
Gm10	35979109	35980106	Gmdrm	hypo	CHH	-0.0512
Gm10	36000025	36001024	Gmdrm	hypo	CHH	-0.0286
Gm10	36001033	36002011	Gmdrm	hypo	CHH	-0.0514
Gm10	36037538	36038536	Gmdrm	hypo	CHH	-0.0202
Gm10	36070401	36070727	Gmdrm	hypo	CHH	-0.04
Gm10	36075000	36075986	Gmdrm	hypo	CHH	-0.0344
Gm10	36076026	36077004	Gmdrm	hypo	CHH	-0.094
Gm10	36084142	36085135	Gmdrm	hypo	CHH	-0.0709
Gm10	36085146	36086141	Gmdrm	hypo	CHH	-0.0402
Gm10	36086155	36087154	Gmdrm	hypo	CHH	-0.0222
Gm10	36087157	36088156	Gmdrm	hypo	CHH	-0.0276
Gm10	36088159	36089157	Gmdrm	hypo	CHH	-0.0659
Gm10	36118337	36119314	Gmdrm	hypo	CHH	-0.0497
Gm10	36133848	36134588	Gmdrm	hypo	CHH	-0.0676
Gm10	36137910	36138910	Gmdrm	hypo	CHH	-0.0419
Gm10	36149017	36149529	Gmdrm	hypo	CHH	-0.0166
Gm10	36150648	36151647	Gmdrm	hypo	CHH	-0.0277
Gm10	36152967	36153966	Gmdrm	hypo	CHH	-0.0431
Gm10	36163013	36163995	Gmdrm	hypo	CHH	-0.0346
Gm10	36183305	36184297	Gmdrm	hypo	CHH	-0.0644
Gm10	36191777	36192694	Gmdrm	hypo	CHH	-0.0213
Gm10	36193855	36194384	Gmdrm	hypo	CHH	-0.0172
Gm10	36195382	36196377	Gmdrm	hypo	CHH	-0.02
Gm10	36216236	36217227	Gmdrm	hypo	CHH	-0.0228
Gm10	36220323	36221319	Gmdrm	hypo	CHH	-0.0172
Gm10	36239083	36240031	Gmdrm	hypo	CHH	-0.0508
Gm10	36240092	36241061	Gmdrm	hypo	CHH	-0.0454
Gm10	36245121	36246118	Gmdrm	hypo	CHH	-0.0566
Gm10	36246129	36247080	Gmdrm	hypo	CHH	-0.0335
Gm10	36254042	36255008	Gmdrm	hypo	CHH	-0.0391
Gm10	36256056	36257047	Gmdrm	hypo	CHH	-0.0239
Gm10	36257060	36258017	Gmdrm	hypo	CHH	-0.0662
Gm10	36265722	36266719	Gmdrm	hypo	CHH	-0.0298

Gm10	36270999	36271995	Gmdrm	hypo	CHH	-0.0537
Gm10	36338708	36339666	Gmdrm	hypo	CHH	-0.0845
Gm10	36341866	36342860	Gmdrm	hypo	CHH	-0.0275
Gm10	36343887	36344882	Gmdrm	hypo	CHH	-0.0423
Gm10	36516942	36516970	Gmdrm	hypo	CHH	-0.1783
Gm10	36533982	36534977	Gmdrm	hypo	CHH	-0.0175
Gm10	36538971	36539971	Gmdrm	hypo	CHH	-0.0501
Gm10	36605737	36606731	Gmdrm	hypo	CHH	-0.0557
Gm10	36606749	36607152	Gmdrm	hypo	CHH	-0.0408
Gm10	36924451	36925429	Gmdrm	hypo	CHH	-0.0373
Gm10	36926483	36927216	Gmdrm	hypo	CHH	-0.0323
Gm10	36947605	36948595	Gmdrm	hypo	CHH	-0.1239
Gm10	36948607	36949574	Gmdrm	hypo	CHH	-0.2131
Gm10	36968117	36968600	Gmdrm	hypo	CHH	-0.0373
Gm10	37011225	37011538	Gmdrm	hypo	CHH	-0.0874
Gm10	37012155	37013145	Gmdrm	hypo	CHH	-0.0695
Gm10	37013156	37014139	Gmdrm	hypo	CHH	-0.0529
Gm10	37017237	37018206	Gmdrm	hypo	CHH	-0.0226
Gm10	37024495	37025486	Gmdrm	hypo	CHH	-0.0206
Gm10	37030114	37031113	Gmdrm	hypo	CHH	-0.0453
Gm10	37032139	37033132	Gmdrm	hypo	CHH	-0.0489
Gm10	37125534	37126311	Gmdrm	hypo	CHH	-0.0166
Gm10	37140220	37141220	Gmdrm	hypo	CHH	-0.0474
Gm10	37142225	37142831	Gmdrm	hypo	CHH	-0.0248
Gm10	37153869	37154835	Gmdrm	hypo	CHH	-0.1155
Gm10	37159969	37160957	Gmdrm	hypo	CHH	-0.0697
Gm10	37187902	37188173	Gmdrm	hypo	CHH	-0.0877
Gm10	37242944	37243943	Gmdrm	hypo	CHH	-0.0933
Gm10	37243964	37244950	Gmdrm	hypo	CHH	-0.0192
Gm10	37244973	37245971	Gmdrm	hypo	CHH	-0.1065
Gm10	37245975	37246917	Gmdrm	hypo	CHH	-0.1038
Gm10	37248438	37249063	Gmdrm	hypo	CHH	-0.0267
Gm10	37251947	37252942	Gmdrm	hypo	CHH	-0.0341
Gm10	37252949	37253845	Gmdrm	hypo	CHH	-0.0342
Gm10	37254198	37255187	Gmdrm	hypo	CHH	-0.0309
Gm10	37255206	37256201	Gmdrm	hypo	CHH	-0.0379
Gm10	37260684	37261681	Gmdrm	hypo	CHH	-0.0666
Gm10	37290032	37291010	Gmdrm	hypo	CHH	-0.0465
Gm10	37295485	37295622	Gmdrm	hypo	CHH	-0.0857
Gm10	37297507	37298502	Gmdrm	hypo	CHH	-0.018
Gm10	37302033	37303027	Gmdrm	hypo	CHH	-0.0108
Gm10	37304044	37305040	Gmdrm	hypo	CHH	-0.0946
Gm10	37305046	37306045	Gmdrm	hypo	CHH	-0.0379
Gm10	37306049	37307043	Gmdrm	hypo	CHH	-0.0903
Gm10	37309068	37310053	Gmdrm	hypo	CHH	-0.0265
Gm10	37313984	37314971	Gmdrm	hypo	CHH	-0.0239

Gm10	37337155	37338127	Gmdrm	hypo	CHH	-0.011
Gm10	37341063	37342054	Gmdrm	hypo	CHH	-0.0241
Gm10	37346007	37346697	Gmdrm	hypo	CHH	-0.0213
Gm10	37359437	37360422	Gmdrm	hypo	CHH	-0.0395
Gm10	37360443	37361350	Gmdrm	hypo	CHH	-0.0348
Gm10	37361511	37362510	Gmdrm	hypo	CHH	-0.111
Gm10	37362844	37363485	Gmdrm	hypo	CHH	-0.0638
Gm10	37363642	37364641	Gmdrm	hypo	CHH	-0.084
Gm10	37364644	37365639	Gmdrm	hypo	CHH	-0.0623
Gm10	37365646	37366640	Gmdrm	hypo	CHH	-0.1319
Gm10	37372885	37373878	Gmdrm	hypo	CHH	-0.0266
Gm10	37376658	37377652	Gmdrm	hypo	CHH	-0.0188
Gm10	37390708	37391708	Gmdrm	hypo	CHH	-0.0694
Gm10	37394654	37395621	Gmdrm	hypo	CHH	-0.0206
Gm10	37401041	37401725	Gmdrm	hypo	CHH	-0.0267
Gm10	37404313	37405311	Gmdrm	hypo	CHH	-0.114
Gm10	37405318	37406318	Gmdrm	hypo	CHH	-0.1053
Gm10	37415394	37415946	Gmdrm	hypo	CHH	-0.0544
Gm10	37417213	37418211	Gmdrm	hypo	CHH	-0.0334
Gm10	37418216	37418874	Gmdrm	hypo	CHH	-0.0536
Gm10	37423018	37424018	Gmdrm	hypo	CHH	-0.1103
Gm10	37424020	37424472	Gmdrm	hypo	CHH	-0.1821
Gm10	37425859	37426855	Gmdrm	hypo	CHH	-0.1085
Gm10	37426909	37427905	Gmdrm	hypo	CHH	-0.1103
Gm10	37428955	37429947	Gmdrm	hypo	CHH	-0.0142
Gm10	37430994	37431965	Gmdrm	hypo	CHH	-0.0176
Gm10	37438043	37439006	Gmdrm	hypo	CHH	-0.0281
Gm10	37455398	37456398	Gmdrm	hypo	CHH	-0.0277
Gm10	37458407	37459398	Gmdrm	hypo	CHH	-0.045
Gm10	37463445	37464428	Gmdrm	hypo	CHH	-0.0218
Gm10	37475147	37475880	Gmdrm	hypo	CHH	-0.1142
Gm10	37480529	37481229	Gmdrm	hypo	CHH	-0.0294
Gm10	37484128	37485112	Gmdrm	hypo	CHH	-0.0192
Gm10	37485137	37485359	Gmdrm	hypo	CHH	-0.035
Gm10	37494054	37495047	Gmdrm	hypo	CHH	-0.0143
Gm10	37511533	37512533	Gmdrm	hypo	CHH	-0.0711
Gm10	37512538	37513513	Gmdrm	hypo	CHH	-0.0753
Gm10	37514581	37515576	Gmdrm	hypo	CHH	-0.1161
Gm10	37538476	37539198	Gmdrm	hypo	CHH	-0.1819
Gm10	37544084	37545063	Gmdrm	hypo	CHH	-0.0221
Gm10	37549799	37550794	Gmdrm	hypo	CHH	-0.0437
Gm10	37554798	37555795	Gmdrm	hypo	CHH	-0.0974
Gm10	37555802	37556583	Gmdrm	hypo	CHH	-0.0165
Gm10	37557114	37558110	Gmdrm	hypo	CHH	-0.0582
Gm10	37572478	37573402	Gmdrm	hypo	CHH	-0.1169
Gm10	37583585	37584180	Gmdrm	hypo	CHH	-0.0297

Gm10	37585061	37585366	Gmdrm	hypo	CHH	-0.365
Gm10	37585695	37586688	Gmdrm	hypo	CHH	-0.2087
Gm10	37586834	37587783	Gmdrm	hypo	CHH	-0.0984
Gm10	37587848	37588841	Gmdrm	hypo	CHH	-0.0517
Gm10	37588857	37589856	Gmdrm	hypo	CHH	-0.0848
Gm10	37609738	37610728	Gmdrm	hypo	CHH	-0.0423
Gm10	37672228	37673179	Gmdrm	hypo	CHH	-0.0178
Gm10	37696699	37697318	Gmdrm	hypo	CHH	-0.026
Gm10	37706575	37707570	Gmdrm	hypo	CHH	-0.0184
Gm10	37710653	37711645	Gmdrm	hypo	CHH	-0.0379
Gm10	37723344	37723543	Gmdrm	hypo	CHH	-0.1618
Gm10	37735578	37736562	Gmdrm	hypo	CHH	-0.0484
Gm10	37736601	37737596	Gmdrm	hypo	CHH	-0.0686
Gm10	37745667	37746667	Gmdrm	hypo	CHH	-0.0452
Gm10	37804057	37805057	Gmdrm	hypo	CHH	-0.0498
Gm10	37808082	37808392	Gmdrm	hypo	CHH	-0.0263
Gm10	37810945	37811944	Gmdrm	hypo	CHH	-0.0255
Gm10	37812982	37813976	Gmdrm	hypo	CHH	-0.0179
Gm10	37814993	37815991	Gmdrm	hypo	CHH	-0.0237
Gm10	37815996	37816994	Gmdrm	hypo	CHH	-0.0425
Gm10	37816997	37817995	Gmdrm	hypo	CHH	-0.0293
Gm10	37824114	37825104	Gmdrm	hypo	CHH	-0.0601
Gm10	37826132	37827127	Gmdrm	hypo	CHH	-0.0296
Gm10	37827145	37828138	Gmdrm	hypo	CHH	-0.0177
Gm10	37828146	37829139	Gmdrm	hypo	CHH	-0.0268
Gm10	37856407	37857401	Gmdrm	hypo	CHH	-0.056
Gm10	37857415	37858396	Gmdrm	hypo	CHH	-0.1144
Gm10	37889317	37890305	Gmdrm	hypo	CHH	-0.0336
Gm10	37890322	37891313	Gmdrm	hypo	CHH	-0.0834
Gm10	37892154	37893129	Gmdrm	hypo	CHH	-0.025
Gm10	37894188	37894610	Gmdrm	hypo	CHH	-0.0362
Gm10	37897013	37897601	Gmdrm	hypo	CHH	-0.0253
Gm10	37902285	37903140	Gmdrm	hypo	CHH	-0.0332
Gm10	37917395	37918378	Gmdrm	hypo	CHH	-0.045
Gm10	37922386	37922540	Gmdrm	hypo	CHH	-0.0486
Gm10	37924999	37925998	Gmdrm	hypo	CHH	-0.0534
Gm10	37972800	37973791	Gmdrm	hypo	CHH	-0.0408
Gm10	37973801	37974355	Gmdrm	hypo	CHH	-0.135
Gm10	37978885	37979873	Gmdrm	hypo	CHH	-0.0304
Gm10	37979889	37980858	Gmdrm	hypo	CHH	-0.0266
Gm10	37989953	37990920	Gmdrm	hypo	CHH	-0.1158
Gm10	38005405	38006392	Gmdrm	hypo	CHH	-0.1207
Gm10	38006425	38007416	Gmdrm	hypo	CHH	-0.0806
Gm10	38007434	38007673	Gmdrm	hypo	CHH	-0.0587
Gm10	38022951	38023949	Gmdrm	hypo	CHH	-0.0608
Gm10	38023958	38024958	Gmdrm	hypo	CHH	-0.2497

Gm10	38027073	38028041	Gmdrm	hypo	CHH	-0.0247
Gm10	38033483	38034478	Gmdrm	hypo	CHH	-0.0992
Gm10	38037537	38038003	Gmdrm	hypo	CHH	-0.1457
Gm10	38038105	38038237	Gmdrm	hypo	CHH	-0.2692
Gm10	38051699	38052692	Gmdrm	hypo	CHH	-0.0265
Gm10	38063821	38064809	Gmdrm	hypo	CHH	-0.0467
Gm10	38076709	38077692	Gmdrm	hypo	CHH	-0.0635
Gm10	38077728	38078700	Gmdrm	hypo	CHH	-0.0265
Gm10	38096887	38097881	Gmdrm	hypo	CHH	-0.2082
Gm10	38098892	38099884	Gmdrm	hypo	CHH	-0.0178
Gm10	38099950	38100945	Gmdrm	hypo	CHH	-0.2129
Gm10	38100953	38101924	Gmdrm	hypo	CHH	-0.1285
Gm10	38128278	38129241	Gmdrm	hypo	CHH	-0.0289
Gm10	38145064	38146012	Gmdrm	hypo	CHH	-0.027
Gm10	38149113	38150089	Gmdrm	hypo	CHH	-0.0296
Gm10	38159140	38159887	Gmdrm	hypo	CHH	-0.0254
Gm10	38162931	38163928	Gmdrm	hypo	CHH	-0.0229
Gm10	38174214	38175180	Gmdrm	hypo	CHH	-0.023
Gm10	38179515	38180482	Gmdrm	hypo	CHH	-0.1055
Gm10	38186216	38187207	Gmdrm	hypo	CHH	-0.0306
Gm10	38187248	38188230	Gmdrm	hypo	CHH	-0.0174
Gm10	38203361	38204355	Gmdrm	hypo	CHH	-0.1576
Gm10	38204362	38204859	Gmdrm	hypo	CHH	-0.053
Gm10	38210107	38211101	Gmdrm	hypo	CHH	-0.2081
Gm10	38243266	38243954	Gmdrm	hypo	CHH	-0.1175
Gm10	38252756	38253756	Gmdrm	hypo	CHH	-0.0338
Gm10	38288841	38289838	Gmdrm	hypo	CHH	-0.1369
Gm10	38289846	38290846	Gmdrm	hypo	CHH	-0.0535
Gm10	38290849	38291464	Gmdrm	hypo	CHH	-0.0407
Gm10	38294277	38295276	Gmdrm	hypo	CHH	-0.0537
Gm10	38300346	38301339	Gmdrm	hypo	CHH	-0.1572
Gm10	38305370	38306174	Gmdrm	hypo	CHH	-0.0312
Gm10	38328477	38329476	Gmdrm	hypo	CHH	-0.0418
Gm10	38343564	38344552	Gmdrm	hypo	CHH	-0.1136
Gm10	38345362	38346359	Gmdrm	hypo	CHH	-0.1783
Gm10	38346363	38347351	Gmdrm	hypo	CHH	-0.1448
Gm10	38347365	38348322	Gmdrm	hypo	CHH	-0.0708
Gm10	38350656	38351645	Gmdrm	hypo	CHH	-0.0304
Gm10	38361970	38362969	Gmdrm	hypo	CHH	-0.0244
Gm10	38367153	38368143	Gmdrm	hypo	CHH	-0.3921
Gm10	38388386	38388982	Gmdrm	hypo	CHH	-0.2029
Gm10	38394103	38395096	Gmdrm	hypo	CHH	-0.031
Gm10	38395113	38396106	Gmdrm	hypo	CHH	-0.0535
Gm10	38402226	38403182	Gmdrm	hypo	CHH	-0.0287
Gm10	38416034	38416634	Gmdrm	hypo	CHH	-0.072
Gm10	38422091	38423066	Gmdrm	hypo	CHH	-0.019

Gm10	38425640	38425820	Gmdrm	hypo	CHH	-0.1652
Gm10	38433957	38434954	Gmdrm	hypo	CHH	-0.0521
Gm10	38435963	38436552	Gmdrm	hypo	CHH	-0.2183
Gm10	38436661	38437319	Gmdrm	hypo	CHH	-0.0187
Gm10	38450894	38451843	Gmdrm	hypo	CHH	-0.0218
Gm10	38470133	38471133	Gmdrm	hypo	CHH	-0.0379
Gm10	38473312	38474312	Gmdrm	hypo	CHH	-0.0469
Gm10	38474315	38475310	Gmdrm	hypo	CHH	-0.128
Gm10	38475337	38476306	Gmdrm	hypo	CHH	-0.016
Gm10	38484230	38485230	Gmdrm	hypo	CHH	-0.0251
Gm10	38489776	38490770	Gmdrm	hypo	CHH	-0.1603
Gm10	38490783	38491775	Gmdrm	hypo	CHH	-0.1446
Gm10	38491806	38492803	Gmdrm	hypo	CHH	-0.0312
Gm10	38492813	38493809	Gmdrm	hypo	CHH	-0.1202
Gm10	38493840	38494838	Gmdrm	hypo	CHH	-0.0189
Gm10	38494844	38495843	Gmdrm	hypo	CHH	-0.0369
Gm10	38501011	38501962	Gmdrm	hypo	CHH	-0.0107
Gm10	38505324	38506319	Gmdrm	hypo	CHH	-0.1609
Gm10	38506330	38507304	Gmdrm	hypo	CHH	-0.0538
Gm10	38510803	38511793	Gmdrm	hypo	CHH	-0.0821
Gm10	38517096	38518094	Gmdrm	hypo	CHH	-0.0616
Gm10	38518097	38519097	Gmdrm	hypo	CHH	-0.0171
Gm10	38519111	38520108	Gmdrm	hypo	CHH	-0.0397
Gm10	38547939	38548882	Gmdrm	hypo	CHH	-0.1334
Gm10	38559606	38560544	Gmdrm	hypo	CHH	-0.0394
Gm10	38570829	38571305	Gmdrm	hypo	CHH	-0.0425
Gm10	38571431	38572306	Gmdrm	hypo	CHH	-0.0144
Gm10	38576505	38577495	Gmdrm	hypo	CHH	-0.0183
Gm10	38577515	38578344	Gmdrm	hypo	CHH	-0.0521
Gm10	38582612	38582672	Gmdrm	hypo	CHH	-0.052
Gm10	38583802	38584801	Gmdrm	hypo	CHH	-0.0416
Gm10	38584807	38585294	Gmdrm	hypo	CHH	-0.0746
Gm10	38615106	38616105	Gmdrm	hypo	CHH	-0.0543
Gm10	38616107	38617106	Gmdrm	hypo	CHH	-0.069
Gm10	38622173	38623166	Gmdrm	hypo	CHH	-0.162
Gm10	38626657	38626911	Gmdrm	hypo	CHH	-0.0317
Gm10	38644116	38645116	Gmdrm	hypo	CHH	-0.0385
Gm10	38645118	38645447	Gmdrm	hypo	CHH	-0.1447
Gm10	38664463	38665453	Gmdrm	hypo	CHH	-0.0117
Gm10	38665473	38666460	Gmdrm	hypo	CHH	-0.0104
Gm10	38669294	38670074	Gmdrm	hypo	CHH	-0.0197
Gm10	38683555	38684551	Gmdrm	hypo	CHH	-0.3662
Gm10	38684557	38685540	Gmdrm	hypo	CHH	-0.0359
Gm10	38717612	38718609	Gmdrm	hypo	CHH	-0.0393
Gm10	38729551	38730550	Gmdrm	hypo	CHH	-0.0934
Gm10	38730552	38730936	Gmdrm	hypo	CHH	-0.0838

Gm10	38735819	38736814	Gmdrm	hypo	CHH	-0.0828
Gm10	38736827	38737142	Gmdrm	hypo	CHH	-0.2144
Gm10	38741309	38742065	Gmdrm	hypo	CHH	-0.0253
Gm10	38742188	38743182	Gmdrm	hypo	CHH	-0.0122
Gm10	38745960	38746957	Gmdrm	hypo	CHH	-0.0504
Gm10	38746962	38747949	Gmdrm	hypo	CHH	-0.0557
Gm10	38754024	38754954	Gmdrm	hypo	CHH	-0.1602
Gm10	38756273	38757261	Gmdrm	hypo	CHH	-0.0319
Gm10	38757303	38758301	Gmdrm	hypo	CHH	-0.1178
Gm10	38766622	38766736	Gmdrm	hypo	CHH	-0.062
Gm10	38772635	38773631	Gmdrm	hypo	CHH	-0.1109
Gm10	38773680	38774663	Gmdrm	hypo	CHH	-0.015
Gm10	38778798	38779297	Gmdrm	hypo	CHH	-0.1438
Gm10	38780492	38781482	Gmdrm	hypo	CHH	-0.0132
Gm10	38783550	38784477	Gmdrm	hypo	CHH	-0.0379
Gm10	38793733	38794714	Gmdrm	hypo	CHH	-0.161
Gm10	38796004	38796983	Gmdrm	hypo	CHH	-0.0205
Gm10	38798026	38799023	Gmdrm	hypo	CHH	-0.0726
Gm10	38799030	38800028	Gmdrm	hypo	CHH	-0.0498
Gm10	38800032	38801027	Gmdrm	hypo	CHH	-0.0808
Gm10	38801037	38801486	Gmdrm	hypo	CHH	-0.0259
Gm10	38806849	38807846	Gmdrm	hypo	CHH	-0.0383
Gm10	38814099	38815079	Gmdrm	hypo	CHH	-0.0119
Gm10	38818316	38819315	Gmdrm	hypo	CHH	-0.0286
Gm10	38824434	38825431	Gmdrm	hypo	CHH	-0.0114
Gm10	38825438	38825764	Gmdrm	hypo	CHH	-0.1005
Gm10	38826139	38827133	Gmdrm	hypo	CHH	-0.0476
Gm10	38828141	38829122	Gmdrm	hypo	CHH	-0.0791
Gm10	38831320	38832143	Gmdrm	hypo	CHH	-0.0153
Gm10	38832251	38833248	Gmdrm	hypo	CHH	-0.161
Gm10	38833261	38834254	Gmdrm	hypo	CHH	-0.0631
Gm10	38834528	38835498	Gmdrm	hypo	CHH	-0.0251
Gm10	38836981	38837978	Gmdrm	hypo	CHH	-0.0776
Gm10	38838999	38839995	Gmdrm	hypo	CHH	-0.0246
Gm10	38840007	38840978	Gmdrm	hypo	CHH	-0.0283
Gm10	38846993	38847972	Gmdrm	hypo	CHH	-0.0316
Gm10	38856225	38857214	Gmdrm	hypo	CHH	-0.0722
Gm10	38857237	38858202	Gmdrm	hypo	CHH	-0.0502
Gm10	38865828	38866811	Gmdrm	hypo	CHH	-0.0893
Gm10	38868990	38869090	Gmdrm	hypo	CHH	-0.0571
Gm10	38877725	38878703	Gmdrm	hypo	CHH	-0.2352
Gm10	38881702	38882701	Gmdrm	hypo	CHH	-0.1136
Gm10	38882707	38883705	Gmdrm	hypo	CHH	-0.0638
Gm10	38883708	38884707	Gmdrm	hypo	CHH	-0.085
Gm10	38889746	38890738	Gmdrm	hypo	CHH	-0.0329
Gm10	38900809	38901779	Gmdrm	hypo	CHH	-0.0415

Gm10	38913174	38914164	Gmdrm	hypo	CHH	-0.0163
Gm10	38915200	38916090	Gmdrm	hypo	CHH	-0.048
Gm10	38922365	38923363	Gmdrm	hypo	CHH	-0.0173
Gm10	38923373	38924343	Gmdrm	hypo	CHH	-0.0193
Gm10	38934427	38935424	Gmdrm	hypo	CHH	-0.028
Gm10	38935442	38936435	Gmdrm	hypo	CHH	-0.1111
Gm10	38942905	38943893	Gmdrm	hypo	CHH	-0.0226
Gm10	38947941	38948928	Gmdrm	hypo	CHH	-0.0184
Gm10	38950026	38951016	Gmdrm	hypo	CHH	-0.2066
Gm10	38951031	38952024	Gmdrm	hypo	CHH	-0.024
Gm10	38953083	38954074	Gmdrm	hypo	CHH	-0.054
Gm10	38954103	38954688	Gmdrm	hypo	CHH	-0.0608
Gm10	38959670	38960656	Gmdrm	hypo	CHH	-0.0247
Gm10	38960671	38961661	Gmdrm	hypo	CHH	-0.0932
Gm10	38963688	38964532	Gmdrm	hypo	CHH	-0.0302
Gm10	38966769	38967768	Gmdrm	hypo	CHH	-0.1251
Gm10	38967776	38968768	Gmdrm	hypo	CHH	-0.1195
Gm10	38972638	38973619	Gmdrm	hypo	CHH	-0.0207
Gm10	38973690	38974654	Gmdrm	hypo	CHH	-0.0511
Gm10	39000050	39001048	Gmdrm	hypo	CHH	-0.0342
Gm10	39013493	39014454	Gmdrm	hypo	CHH	-0.0138
Gm10	39014511	39015490	Gmdrm	hypo	CHH	-0.0457
Gm10	39017841	39018834	Gmdrm	hypo	CHH	-0.0902
Gm10	39023248	39024239	Gmdrm	hypo	CHH	-0.0132
Gm10	39024258	39025256	Gmdrm	hypo	CHH	-0.0359
Gm10	39025884	39026879	Gmdrm	hypo	CHH	-0.1048
Gm10	39026888	39027877	Gmdrm	hypo	CHH	-0.1112
Gm10	39031252	39032248	Gmdrm	hypo	CHH	-0.0143
Gm10	39033275	39034273	Gmdrm	hypo	CHH	-0.0408
Gm10	39038003	39038896	Gmdrm	hypo	CHH	-0.0741
Gm10	39042378	39043356	Gmdrm	hypo	CHH	-0.018
Gm10	39053279	39054273	Gmdrm	hypo	CHH	-0.0523
Gm10	39066689	39067689	Gmdrm	hypo	CHH	-0.0552
Gm10	39078742	39079262	Gmdrm	hypo	CHH	-0.0948
Gm10	39083052	39084041	Gmdrm	hypo	CHH	-0.0773
Gm10	39089064	39090058	Gmdrm	hypo	CHH	-0.0224
Gm10	39091471	39092468	Gmdrm	hypo	CHH	-0.0459
Gm10	39092475	39093439	Gmdrm	hypo	CHH	-0.0228
Gm10	39101378	39102364	Gmdrm	hypo	CHH	-0.0473
Gm10	39102387	39103382	Gmdrm	hypo	CHH	-0.1193
Gm10	39103397	39104220	Gmdrm	hypo	CHH	-0.0359
Gm10	39104512	39105512	Gmdrm	hypo	CHH	-0.0191
Gm10	39106460	39107444	Gmdrm	hypo	CHH	-0.0203
Gm10	39115528	39116507	Gmdrm	hypo	CHH	-0.0151
Gm10	39133336	39134335	Gmdrm	hypo	CHH	-0.0124
Gm10	39140016	39140995	Gmdrm	hypo	CHH	-0.2575

Gm10	39141017	39142010 Gmdrm	hypo	CHH	-0.0399
Gm10	39142019	39143018 Gmdrm	hypo	CHH	-0.0605
Gm10	39143020	39144012 Gmdrm	hypo	CHH	-0.0298
Gm10	39144029	39145027 Gmdrm	hypo	CHH	-0.0543
Gm10	39145032	39146029 Gmdrm	hypo	CHH	-0.0294
Gm10	39154569	39155567 Gmdrm	hypo	CHH	-0.0165
Gm10	39159854	39160850 Gmdrm	hypo	CHH	-0.0165
Gm10	39180857	39181832 Gmdrm	hypo	CHH	-0.0514
Gm10	39184093	39185084 Gmdrm	hypo	CHH	-0.0281
Gm10	39193341	39193916 Gmdrm	hypo	CHH	-0.0177
Gm10	39195022	39196021 Gmdrm	hypo	CHH	-0.0191
Gm10	39197577	39198576 Gmdrm	hypo	CHH	-0.0254
Gm10	39209158	39209275 Gmdrm	hypo	CHH	-0.17
Gm10	39210957	39211956 Gmdrm	hypo	CHH	-0.0606
Gm10	39211967	39212965 Gmdrm	hypo	CHH	-0.0439
Gm10	39214144	39215138 Gmdrm	hypo	CHH	-0.0149
Gm10	39222210	39223209 Gmdrm	hypo	CHH	-0.177
Gm10	39229883	39230883 Gmdrm	hypo	CHH	-0.0374
Gm10	39234935	39235932 Gmdrm	hypo	CHH	-0.0794
Gm10	39239029	39240023 Gmdrm	hypo	CHH	-0.1073
Gm10	39240035	39241015 Gmdrm	hypo	CHH	-0.1887
Gm10	39241052	39242047 Gmdrm	hypo	CHH	-0.0613
Gm10	39245095	39246093 Gmdrm	hypo	CHH	-0.1724
Gm10	39246096	39246557 Gmdrm	hypo	CHH	-0.1717
Gm10	39251079	39251142 Gmdrm	hypo	CHH	-0.024
Gm10	39254268	39255012 Gmdrm	hypo	CHH	-0.0217
Gm10	39258210	39259195 Gmdrm	hypo	CHH	-0.0228
Gm10	39266388	39267355 Gmdrm	hypo	CHH	-0.0374
Gm10	39267402	39268400 Gmdrm	hypo	CHH	-0.1187
Gm10	39283193	39284168 Gmdrm	hypo	CHH	-0.1086
Gm10	39287332	39288322 Gmdrm	hypo	CHH	-0.0224
Gm10	39295490	39296459 Gmdrm	hypo	CHH	-0.0182
Gm10	39296528	39297199 Gmdrm	hypo	CHH	-0.0224
Gm10	39312505	39312837 Gmdrm	hypo	CHH	-0.0303
Gm10	39313096	39314096 Gmdrm	hypo	CHH	-0.0726
Gm10	39314098	39315086 Gmdrm	hypo	CHH	-0.058
Gm10	39315241	39316219 Gmdrm	hypo	CHH	-0.0608
Gm10	39316301	39317295 Gmdrm	hypo	CHH	-0.0858
Gm10	39317304	39318293 Gmdrm	hypo	CHH	-0.0814
Gm10	39324401	39325398 Gmdrm	hypo	CHH	-0.0188
Gm10	39330531	39331218 Gmdrm	hypo	CHH	-0.0364
Gm10	39347840	39348839 Gmdrm	hypo	CHH	-0.1042
Gm10	39348842	39349836 Gmdrm	hypo	CHH	-0.0732
Gm10	39349852	39350833 Gmdrm	hypo	CHH	-0.0801
Gm10	39357549	39358029 Gmdrm	hypo	CHH	-0.0795
Gm10	39365953	39366950 Gmdrm	hypo	CHH	-0.0247

Gm10	39366956	39367944	Gmdrm	hypo	CHH	-0.2028
Gm10	39371317	39372313	Gmdrm	hypo	CHH	-0.052
Gm10	39389070	39389443	Gmdrm	hypo	CHH	-0.0263
Gm10	39390902	39391883	Gmdrm	hypo	CHH	-0.0316
Gm10	39414447	39415445	Gmdrm	hypo	CHH	-0.2447
Gm10	39420557	39421095	Gmdrm	hypo	CHH	-0.1561
Gm10	39428502	39429499	Gmdrm	hypo	CHH	-0.0107
Gm10	39430509	39431486	Gmdrm	hypo	CHH	-0.1181
Gm10	39431513	39432508	Gmdrm	hypo	CHH	-0.0809
Gm10	39432524	39433519	Gmdrm	hypo	CHH	-0.1379
Gm10	39434560	39435537	Gmdrm	hypo	CHH	-0.0306
Gm10	39435610	39436601	Gmdrm	hypo	CHH	-0.0403
Gm10	39449018	39450018	Gmdrm	hypo	CHH	-0.0763
Gm10	39451666	39452664	Gmdrm	hypo	CHH	-0.2445
Gm10	39456493	39457476	Gmdrm	hypo	CHH	-0.0962
Gm10	39457506	39458502	Gmdrm	hypo	CHH	-0.1632
Gm10	39458536	39459526	Gmdrm	hypo	CHH	-0.0159
Gm10	39464700	39465437	Gmdrm	hypo	CHH	-0.0113
Gm10	39465566	39466538	Gmdrm	hypo	CHH	-0.0146
Gm10	39494114	39495098	Gmdrm	hypo	CHH	-0.0503
Gm10	39495131	39496131	Gmdrm	hypo	CHH	-0.0403
Gm10	39496134	39496787	Gmdrm	hypo	CHH	-0.085
Gm10	39503952	39504478	Gmdrm	hypo	CHH	-0.0347
Gm10	39515084	39516080	Gmdrm	hypo	CHH	-0.0146
Gm10	39523694	39524503	Gmdrm	hypo	CHH	-0.0199
Gm10	39537380	39538353	Gmdrm	hypo	CHH	-0.0414
Gm10	39538771	39539713	Gmdrm	hypo	CHH	-0.0481
Gm10	39540778	39541428	Gmdrm	hypo	CHH	-0.036
Gm10	39559187	39560184	Gmdrm	hypo	CHH	-0.0122
Gm10	39560198	39561159	Gmdrm	hypo	CHH	-0.0379
Gm10	39561207	39561350	Gmdrm	hypo	CHH	-0.06
Gm10	39565802	39566788	Gmdrm	hypo	CHH	-0.0223
Gm10	39569195	39570185	Gmdrm	hypo	CHH	-0.2518
Gm10	39570556	39570666	Gmdrm	hypo	CHH	-0.08
Gm10	39572861	39573851	Gmdrm	hypo	CHH	-0.0472
Gm10	39578894	39579870	Gmdrm	hypo	CHH	-0.0115
Gm10	39581948	39582926	Gmdrm	hypo	CHH	-0.0137
Gm10	39585320	39586219	Gmdrm	hypo	CHH	-0.0318
Gm10	39588376	39589374	Gmdrm	hypo	CHH	-0.2102
Gm10	39598027	39599021	Gmdrm	hypo	CHH	-0.013
Gm10	39605597	39606592	Gmdrm	hypo	CHH	-0.2519
Gm10	39606598	39607561	Gmdrm	hypo	CHH	-0.0627
Gm10	39614061	39614929	Gmdrm	hypo	CHH	-0.0817
Gm10	39621400	39622400	Gmdrm	hypo	CHH	-0.0617
Gm10	39623403	39624385	Gmdrm	hypo	CHH	-0.0415
Gm10	39642907	39643899	Gmdrm	hypo	CHH	-0.0403

Gm10	39648424	39649419	Gmdrm	hypo	CHH	-0.0736
Gm10	39650764	39651764	Gmdrm	hypo	CHH	-0.3033
Gm10	39651765	39652709	Gmdrm	hypo	CHH	-0.3583
Gm10	39665885	39666884	Gmdrm	hypo	CHH	-0.0215
Gm10	39667915	39668913	Gmdrm	hypo	CHH	-0.1452
Gm10	39668922	39669405	Gmdrm	hypo	CHH	-0.0766
Gm10	39671175	39672174	Gmdrm	hypo	CHH	-0.1295
Gm10	39672214	39672702	Gmdrm	hypo	CHH	-0.1815
Gm10	39672834	39673831	Gmdrm	hypo	CHH	-0.0118
Gm10	39682601	39683597	Gmdrm	hypo	CHH	-0.1847
Gm10	39683604	39684599	Gmdrm	hypo	CHH	-0.0364
Gm10	39689074	39690070	Gmdrm	hypo	CHH	-0.042
Gm10	39690093	39691093	Gmdrm	hypo	CHH	-0.0664
Gm10	39693118	39693901	Gmdrm	hypo	CHH	-0.039
Gm10	39695125	39696106	Gmdrm	hypo	CHH	-0.2008
Gm10	39697206	39698184	Gmdrm	hypo	CHH	-0.0154
Gm10	39707310	39708291	Gmdrm	hypo	CHH	-0.0112
Gm10	39711624	39712624	Gmdrm	hypo	CHH	-0.0149
Gm10	39726320	39727271	Gmdrm	hypo	CHH	-0.0535
Gm10	39760599	39761584	Gmdrm	hypo	CHH	-0.02
Gm10	39765677	39765889	Gmdrm	hypo	CHH	-0.0383
Gm10	39770772	39771762	Gmdrm	hypo	CHH	-0.052
Gm10	39771780	39772779	Gmdrm	hypo	CHH	-0.047
Gm10	39774785	39775720	Gmdrm	hypo	CHH	-0.0594
Gm10	39779179	39779594	Gmdrm	hypo	CHH	-0.0991
Gm10	39781764	39782445	Gmdrm	hypo	CHH	-0.0194
Gm10	39783313	39784309	Gmdrm	hypo	CHH	-0.0195
Gm10	39787546	39787980	Gmdrm	hypo	CHH	-0.0373
Gm10	39788714	39788813	Gmdrm	hypo	CHH	-0.0367
Gm10	39791395	39792386	Gmdrm	hypo	CHH	-0.0123
Gm10	39794421	39795414	Gmdrm	hypo	CHH	-0.1843
Gm10	39795422	39796396	Gmdrm	hypo	CHH	-0.034
Gm10	39799766	39800762	Gmdrm	hypo	CHH	-0.0723
Gm10	39801828	39802326	Gmdrm	hypo	CHH	-0.0408
Gm10	39802947	39803944	Gmdrm	hypo	CHH	-0.1105
Gm10	39815662	39816651	Gmdrm	hypo	CHH	-0.0876
Gm10	39819605	39819709	Gmdrm	hypo	CHH	-0.372
Gm10	39827142	39828142	Gmdrm	hypo	CHH	-0.0774
Gm10	39828144	39829135	Gmdrm	hypo	CHH	-0.1412
Gm10	39831173	39832168	Gmdrm	hypo	CHH	-0.1024
Gm10	39832176	39833176	Gmdrm	hypo	CHH	-0.0515
Gm10	39850532	39851506	Gmdrm	hypo	CHH	-0.0142
Gm10	39858996	39859995	Gmdrm	hypo	CHH	-0.1884
Gm10	39859997	39860976	Gmdrm	hypo	CHH	-0.0911
Gm10	39864089	39865058	Gmdrm	hypo	CHH	-0.0205
Gm10	39867679	39868647	Gmdrm	hypo	CHH	-0.0231

Gm10	39900052	39901049	Gmdrm	hypo	CHH	-0.0292
Gm10	39919521	39920492	Gmdrm	hypo	CHH	-0.024
Gm10	39921524	39922503	Gmdrm	hypo	CHH	-0.0259
Gm10	39928151	39929121	Gmdrm	hypo	CHH	-0.0791
Gm10	39931209	39932197	Gmdrm	hypo	CHH	-0.057
Gm10	39932214	39933207	Gmdrm	hypo	CHH	-0.0696
Gm10	39945177	39946177	Gmdrm	hypo	CHH	-0.0191
Gm10	39946199	39947180	Gmdrm	hypo	CHH	-0.0989
Gm10	39956127	39957117	Gmdrm	hypo	CHH	-0.0129
Gm10	39966219	39967218	Gmdrm	hypo	CHH	-0.1451
Gm10	39967220	39968201	Gmdrm	hypo	CHH	-0.2004
Gm10	39982883	39983881	Gmdrm	hypo	CHH	-0.051
Gm10	39987845	39988835	Gmdrm	hypo	CHH	-0.0208
Gm10	39991878	39992253	Gmdrm	hypo	CHH	-0.0536
Gm10	39992368	39993368	Gmdrm	hypo	CHH	-0.0475
Gm10	39993369	39994344	Gmdrm	hypo	CHH	-0.0496
Gm10	39999874	40000850	Gmdrm	hypo	CHH	-0.0175
Gm10	40014601	40015600	Gmdrm	hypo	CHH	-0.1186
Gm10	40018650	40019649	Gmdrm	hypo	CHH	-0.0744
Gm10	40019658	40020492	Gmdrm	hypo	CHH	-0.0745
Gm10	40021047	40021783	Gmdrm	hypo	CHH	-0.0337
Gm10	40029988	40030979	Gmdrm	hypo	CHH	-0.1312
Gm10	40065919	40066917	Gmdrm	hypo	CHH	-0.0803
Gm10	40067937	40068918	Gmdrm	hypo	CHH	-0.0424
Gm10	40068940	40069929	Gmdrm	hypo	CHH	-0.0205
Gm10	40070851	40071842	Gmdrm	hypo	CHH	-0.0134
Gm10	40073835	40074824	Gmdrm	hypo	CHH	-0.019
Gm10	40074856	40075849	Gmdrm	hypo	CHH	-0.024
Gm10	40075878	40076446	Gmdrm	hypo	CHH	-0.0381
Gm10	40088575	40089575	Gmdrm	hypo	CHH	-0.0606
Gm10	40089584	40090578	Gmdrm	hypo	CHH	-0.0992
Gm10	40090586	40091581	Gmdrm	hypo	CHH	-0.1285
Gm10	40091590	40092528	Gmdrm	hypo	CHH	-0.2324
Gm10	40092619	40093596	Gmdrm	hypo	CHH	-0.0151
Gm10	40096624	40097124	Gmdrm	hypo	CHH	-0.0304
Gm10	40105784	40106288	Gmdrm	hypo	CHH	-0.0225
Gm10	40106393	40107267	Gmdrm	hypo	CHH	-0.0355
Gm10	40143399	40144370	Gmdrm	hypo	CHH	-0.16
Gm10	40149034	40150031	Gmdrm	hypo	CHH	-0.0473
Gm10	40150042	40151034	Gmdrm	hypo	CHH	-0.0581
Gm10	40151093	40152022	Gmdrm	hypo	CHH	-0.0116
Gm10	40175897	40176316	Gmdrm	hypo	CHH	-0.0258
Gm10	40181375	40182373	Gmdrm	hypo	CHH	-0.0243
Gm10	40182385	40183373	Gmdrm	hypo	CHH	-0.0119
Gm10	40207745	40208385	Gmdrm	hypo	CHH	-0.0285
Gm10	40211524	40212518	Gmdrm	hypo	CHH	-0.0241

Gm10	40221241	40222240 Gmdrm	hypo	CHH	-0.0697
Gm10	40224259	40225241 Gmdrm	hypo	CHH	-0.0818
Gm10	40237183	40238180 Gmdrm	hypo	CHH	-0.094
Gm10	40238191	40239189 Gmdrm	hypo	CHH	-0.0908
Gm10	40242273	40243272 Gmdrm	hypo	CHH	-0.0198
Gm10	40243274	40244257 Gmdrm	hypo	CHH	-0.0227
Gm10	40262163	40262424 Gmdrm	hypo	CHH	-0.0614
Gm10	40263552	40264550 Gmdrm	hypo	CHH	-0.0126
Gm10	40287612	40288407 Gmdrm	hypo	CHH	-0.0858
Gm10	40289773	40290760 Gmdrm	hypo	CHH	-0.1574
Gm10	40306860	40307856 Gmdrm	hypo	CHH	-0.0478
Gm10	40317055	40317226 Gmdrm	hypo	CHH	-0.126
Gm10	40318146	40319134 Gmdrm	hypo	CHH	-0.0426
Gm10	40330231	40331228 Gmdrm	hypo	CHH	-0.0412
Gm10	40334286	40335274 Gmdrm	hypo	CHH	-0.0198
Gm10	40339205	40340205 Gmdrm	hypo	CHH	-0.0527
Gm10	40344838	40345465 Gmdrm	hypo	CHH	-0.0172
Gm10	40350358	40351307 Gmdrm	hypo	CHH	-0.3277
Gm10	40356019	40357010 Gmdrm	hypo	CHH	-0.0254
Gm10	40363686	40364665 Gmdrm	hypo	CHH	-0.0293
Gm10	40369567	40370558 Gmdrm	hypo	CHH	-0.0115
Gm10	40371563	40372563 Gmdrm	hypo	CHH	-0.0601
Gm10	40372577	40373575 Gmdrm	hypo	CHH	-0.0208
Gm10	40382879	40383567 Gmdrm	hypo	CHH	-0.1714
Gm10	40386704	40387685 Gmdrm	hypo	CHH	-0.0785
Gm10	40400890	40401876 Gmdrm	hypo	CHH	-0.056
Gm10	40407983	40408977 Gmdrm	hypo	CHH	-0.0455
Gm10	40408984	40409971 Gmdrm	hypo	CHH	-0.0457
Gm10	40415008	40415999 Gmdrm	hypo	CHH	-0.0588
Gm10	40432632	40433584 Gmdrm	hypo	CHH	-0.0334
Gm10	40433814	40434772 Gmdrm	hypo	CHH	-0.0229
Gm10	40439579	40440245 Gmdrm	hypo	CHH	-0.0258
Gm10	40448298	40449290 Gmdrm	hypo	CHH	-0.1162
Gm10	40449299	40450000 Gmdrm	hypo	CHH	-0.0657
Gm10	40457188	40458172 Gmdrm	hypo	CHH	-0.0129
Gm10	40462360	40463360 Gmdrm	hypo	CHH	-0.0287
Gm10	40464370	40465369 Gmdrm	hypo	CHH	-0.0913
Gm10	40469132	40469636 Gmdrm	hypo	CHH	-0.083
Gm10	40475630	40475863 Gmdrm	hypo	CHH	-0.268
Gm10	40478733	40479733 Gmdrm	hypo	CHH	-0.0137
Gm10	40481904	40482283 Gmdrm	hypo	CHH	-0.02
Gm10	40482390	40483384 Gmdrm	hypo	CHH	-0.0585
Gm10	40485388	40485757 Gmdrm	hypo	CHH	-0.0196
Gm10	40486246	40487243 Gmdrm	hypo	CHH	-0.1715
Gm10	40487251	40487643 Gmdrm	hypo	CHH	-0.0543
Gm10	40498284	40499284 Gmdrm	hypo	CHH	-0.0181

Gm10	40517154	40518138	Gmdrm	hypo	CHH	-0.0377
Gm10	40522675	40523672	Gmdrm	hypo	CHH	-0.1452
Gm10	40523676	40524600	Gmdrm	hypo	CHH	-0.183
Gm10	40537212	40538204	Gmdrm	hypo	CHH	-0.0144
Gm10	40548431	40549425	Gmdrm	hypo	CHH	-0.0367
Gm10	40549831	40550814	Gmdrm	hypo	CHH	-0.0381
Gm10	40558238	40559234	Gmdrm	hypo	CHH	-0.1665
Gm10	40575569	40576545	Gmdrm	hypo	CHH	-0.02
Gm10	40597998	40598976	Gmdrm	hypo	CHH	-0.139
Gm10	40600015	40601011	Gmdrm	hypo	CHH	-0.0129
Gm10	40608533	40609501	Gmdrm	hypo	CHH	-0.0116
Gm10	40624682	40625677	Gmdrm	hypo	CHH	-0.0441
Gm10	40627078	40627111	Gmdrm	hypo	CHH	-0.0989
Gm10	40639440	40640367	Gmdrm	hypo	CHH	-0.0186
Gm10	40647276	40648266	Gmdrm	hypo	CHH	-0.0416
Gm10	40648282	40649276	Gmdrm	hypo	CHH	-0.0488
Gm10	40653883	40654877	Gmdrm	hypo	CHH	-0.0137
Gm10	40658647	40659279	Gmdrm	hypo	CHH	-0.0263
Gm10	40672105	40673102	Gmdrm	hypo	CHH	-0.0283
Gm10	40678118	40679115	Gmdrm	hypo	CHH	-0.1093
Gm10	40679384	40679857	Gmdrm	hypo	CHH	-0.0275
Gm10	40680769	40681307	Gmdrm	hypo	CHH	-0.0318
Gm10	40703133	40703334	Gmdrm	hypo	CHH	-0.0543
Gm10	40703437	40704435	Gmdrm	hypo	CHH	-0.0235
Gm10	40712227	40713227	Gmdrm	hypo	CHH	-0.0434
Gm10	40713252	40714252	Gmdrm	hypo	CHH	-0.0576
Gm10	40714265	40715264	Gmdrm	hypo	CHH	-0.025
Gm10	40715266	40716258	Gmdrm	hypo	CHH	-0.0571
Gm10	40719968	40720790	Gmdrm	hypo	CHH	-0.1146
Gm10	40737196	40737247	Gmdrm	hypo	CHH	-0.08
Gm10	40745522	40746503	Gmdrm	hypo	CHH	-0.092
Gm10	40746523	40747518	Gmdrm	hypo	CHH	-0.1032
Gm10	40750265	40751251	Gmdrm	hypo	CHH	-0.1187
Gm10	40752267	40753128	Gmdrm	hypo	CHH	-0.0179
Gm10	40762431	40762448	Gmdrm	hypo	CHH	-0.3933
Gm10	40762790	40763437	Gmdrm	hypo	CHH	-0.333
Gm10	40784151	40784691	Gmdrm	hypo	CHH	-0.0329
Gm10	40791978	40792656	Gmdrm	hypo	CHH	-0.0183
Gm10	40802092	40803022	Gmdrm	hypo	CHH	-0.014
Gm10	40806055	40807054	Gmdrm	hypo	CHH	-0.0402
Gm10	40807056	40807671	Gmdrm	hypo	CHH	-0.0171
Gm10	40809815	40810815	Gmdrm	hypo	CHH	-0.0483
Gm10	40820171	40821171	Gmdrm	hypo	CHH	-0.0511
Gm10	40825210	40826189	Gmdrm	hypo	CHH	-0.0715
Gm10	40826243	40827243	Gmdrm	hypo	CHH	-0.0136
Gm10	40838692	40839686	Gmdrm	hypo	CHH	-0.0137

Gm10	40842198	40843183	Gmdrm	hypo	CHH	-0.123
Gm10	40846234	40847233	Gmdrm	hypo	CHH	-0.0115
Gm10	40848252	40849248	Gmdrm	hypo	CHH	-0.1001
Gm10	40849256	40850254	Gmdrm	hypo	CHH	-0.0523
Gm10	40852060	40852972	Gmdrm	hypo	CHH	-0.0142
Gm10	40853115	40854113	Gmdrm	hypo	CHH	-0.0406
Gm10	40861960	40862945	Gmdrm	hypo	CHH	-0.0589
Gm10	40862964	40863960	Gmdrm	hypo	CHH	-0.056
Gm10	40871831	40872824	Gmdrm	hypo	CHH	-0.1318
Gm10	40872837	40873049	Gmdrm	hypo	CHH	-0.238
Gm10	40873262	40873617	Gmdrm	hypo	CHH	-0.3664
Gm10	40889759	40890476	Gmdrm	hypo	CHH	-0.3795
Gm10	40890657	40891649	Gmdrm	hypo	CHH	-0.0497
Gm10	40911483	40912481	Gmdrm	hypo	CHH	-0.0898
Gm10	40912513	40913472	Gmdrm	hypo	CHH	-0.0119
Gm10	40931064	40932063	Gmdrm	hypo	CHH	-0.0543
Gm10	40937094	40938090	Gmdrm	hypo	CHH	-0.0319
Gm10	40938096	40939085	Gmdrm	hypo	CHH	-0.0253
Gm10	40944774	40945774	Gmdrm	hypo	CHH	-0.0329
Gm10	40945780	40946778	Gmdrm	hypo	CHH	-0.0317
Gm10	40950784	40951747	Gmdrm	hypo	CHH	-0.2293
Gm10	40956874	40957853	Gmdrm	hypo	CHH	-0.0142
Gm10	40964053	40964781	Gmdrm	hypo	CHH	-0.0394
Gm10	40966163	40967140	Gmdrm	hypo	CHH	-0.0413
Gm10	40973096	40974067	Gmdrm	hypo	CHH	-0.011
Gm10	40976440	40976636	Gmdrm	hypo	CHH	-0.07
Gm10	40979531	40980145	Gmdrm	hypo	CHH	-0.1866
Gm10	40984092	40985090	Gmdrm	hypo	CHH	-0.0743
Gm10	40985096	40985891	Gmdrm	hypo	CHH	-0.0403
Gm10	40986848	40987447	Gmdrm	hypo	CHH	-0.1105
Gm10	40987639	40988586	Gmdrm	hypo	CHH	-0.1945
Gm10	40988677	40989050	Gmdrm	hypo	CHH	-0.0278
Gm10	40992083	40993078	Gmdrm	hypo	CHH	-0.125
Gm10	41011522	41011789	Gmdrm	hypo	CHH	-0.0281
Gm10	41015962	41016962	Gmdrm	hypo	CHH	-0.0615
Gm10	41016969	41017968	Gmdrm	hypo	CHH	-0.0921
Gm10	41028546	41029161	Gmdrm	hypo	CHH	-0.0181
Gm10	41036799	41037793	Gmdrm	hypo	CHH	-0.0295
Gm10	41037808	41038794	Gmdrm	hypo	CHH	-0.044
Gm10	41046871	41047407	Gmdrm	hypo	CHH	-0.0521
Gm10	41077279	41078265	Gmdrm	hypo	CHH	-0.1533
Gm10	41079287	41080277	Gmdrm	hypo	CHH	-0.0238
Gm10	41106028	41107003	Gmdrm	hypo	CHH	-0.289
Gm10	41108033	41109020	Gmdrm	hypo	CHH	-0.0146
Gm10	41120534	41121128	Gmdrm	hypo	CHH	-0.0357
Gm10	41140919	41141919	Gmdrm	hypo	CHH	-0.1091

Gm10	41141928	41142423 Gmdrm	hypo	CHH	-0.4962
Gm10	41147893	41148893 Gmdrm	hypo	CHH	-0.048
Gm10	41159442	41160442 Gmdrm	hypo	CHH	-0.0666
Gm10	41160448	41161437 Gmdrm	hypo	CHH	-0.0138
Gm10	41162213	41162916 Gmdrm	hypo	CHH	-0.0234
Gm10	41165402	41165497 Gmdrm	hypo	CHH	-0.0358
Gm10	41168899	41169897 Gmdrm	hypo	CHH	-0.1259
Gm10	41169903	41170900 Gmdrm	hypo	CHH	-0.0707
Gm10	41170906	41171899 Gmdrm	hypo	CHH	-0.0894
Gm10	41171907	41172905 Gmdrm	hypo	CHH	-0.0958
Gm10	41172910	41173907 Gmdrm	hypo	CHH	-0.0848
Gm10	41173913	41174911 Gmdrm	hypo	CHH	-0.0447
Gm10	41180040	41181033 Gmdrm	hypo	CHH	-0.0257
Gm10	41181126	41182075 Gmdrm	hypo	CHH	-0.3061
Gm10	41190522	41191041 Gmdrm	hypo	CHH	-0.0141
Gm10	41205540	41206490 Gmdrm	hypo	CHH	-0.0196
Gm10	41207851	41208768 Gmdrm	hypo	CHH	-0.0304
Gm10	41213352	41214341 Gmdrm	hypo	CHH	-0.0217
Gm10	41216383	41217383 Gmdrm	hypo	CHH	-0.0502
Gm10	41226517	41227341 Gmdrm	hypo	CHH	-0.0167
Gm10	41228599	41229588 Gmdrm	hypo	CHH	-0.1129
Gm10	41229606	41230603 Gmdrm	hypo	CHH	-0.1109
Gm10	41230612	41231591 Gmdrm	hypo	CHH	-0.0972
Gm10	41234741	41235740 Gmdrm	hypo	CHH	-0.0374
Gm10	41235744	41236724 Gmdrm	hypo	CHH	-0.0797
Gm10	41248804	41249548 Gmdrm	hypo	CHH	-0.0172
Gm10	41249657	41250647 Gmdrm	hypo	CHH	-0.0233
Gm10	41255947	41256937 Gmdrm	hypo	CHH	-0.0496
Gm10	41261637	41262629 Gmdrm	hypo	CHH	-0.0111
Gm10	41271826	41272483 Gmdrm	hypo	CHH	-0.0605
Gm10	41289916	41290916 Gmdrm	hypo	CHH	-0.1361
Gm10	41290933	41291355 Gmdrm	hypo	CHH	-0.0428
Gm10	41291457	41292457 Gmdrm	hypo	CHH	-0.0308
Gm10	41292459	41293458 Gmdrm	hypo	CHH	-0.06
Gm10	41294465	41295448 Gmdrm	hypo	CHH	-0.0878
Gm10	41310928	41311927 Gmdrm	hypo	CHH	-0.1402
Gm10	41316977	41317976 Gmdrm	hypo	CHH	-0.0892
Gm10	41318997	41319969 Gmdrm	hypo	CHH	-0.0369
Gm10	41323748	41324664 Gmdrm	hypo	CHH	-0.0239
Gm10	41325014	41326014 Gmdrm	hypo	CHH	-0.1832
Gm10	41326018	41327016 Gmdrm	hypo	CHH	-0.1072
Gm10	41329679	41330642 Gmdrm	hypo	CHH	-0.0388
Gm10	41331705	41332697 Gmdrm	hypo	CHH	-0.1651
Gm10	41332719	41333693 Gmdrm	hypo	CHH	-0.0698
Gm10	41333723	41334717 Gmdrm	hypo	CHH	-0.2388
Gm10	41334742	41335735 Gmdrm	hypo	CHH	-0.0177

Gm10	41335794	41336792	Gmdrm	hypo	CHH	-0.0113
Gm10	41341994	41342989	Gmdrm	hypo	CHH	-0.0141
Gm10	41343005	41344003	Gmdrm	hypo	CHH	-0.1172
Gm10	41345012	41345941	Gmdrm	hypo	CHH	-0.0731
Gm10	41350402	41351379	Gmdrm	hypo	CHH	-0.0124
Gm10	41359743	41360706	Gmdrm	hypo	CHH	-0.02
Gm10	41370627	41371623	Gmdrm	hypo	CHH	-0.0102
Gm10	41374662	41375070	Gmdrm	hypo	CHH	-0.0266
Gm10	41380170	41380919	Gmdrm	hypo	CHH	-0.1832
Gm10	41381294	41382294	Gmdrm	hypo	CHH	-0.08
Gm10	41386203	41387189	Gmdrm	hypo	CHH	-0.0161
Gm10	41392671	41393648	Gmdrm	hypo	CHH	-0.0262
Gm10	41404326	41405293	Gmdrm	hypo	CHH	-0.2671
Gm10	41411915	41412912	Gmdrm	hypo	CHH	-0.0278
Gm10	41417097	41418051	Gmdrm	hypo	CHH	-0.0214
Gm10	41420989	41421946	Gmdrm	hypo	CHH	-0.1941
Gm10	41434190	41435130	Gmdrm	hypo	CHH	-0.018
Gm10	41454540	41455491	Gmdrm	hypo	CHH	-0.0247
Gm10	41467709	41468704	Gmdrm	hypo	CHH	-0.0251
Gm10	41474515	41475349	Gmdrm	hypo	CHH	-0.0117
Gm10	41484633	41485624	Gmdrm	hypo	CHH	-0.0136
Gm10	41492493	41493452	Gmdrm	hypo	CHH	-0.1387
Gm10	41498375	41499277	Gmdrm	hypo	CHH	-0.0151
Gm10	41499388	41499511	Gmdrm	hypo	CHH	-0.0622
Gm10	41501724	41502683	Gmdrm	hypo	CHH	-0.0309
Gm10	41508804	41509761	Gmdrm	hypo	CHH	-0.0358
Gm10	41509817	41510554	Gmdrm	hypo	CHH	-0.0559
Gm10	41510667	41511651	Gmdrm	hypo	CHH	-0.0817
Gm10	41511673	41512662	Gmdrm	hypo	CHH	-0.1827
Gm10	41517022	41517245	Gmdrm	hypo	CHH	-0.0374
Gm10	41519444	41520188	Gmdrm	hypo	CHH	-0.0669
Gm10	41521447	41522445	Gmdrm	hypo	CHH	-0.0135
Gm10	41522450	41523440	Gmdrm	hypo	CHH	-0.17
Gm10	41531070	41532059	Gmdrm	hypo	CHH	-0.3247
Gm10	41534940	41535901	Gmdrm	hypo	CHH	-0.1791
Gm10	41535967	41536934	Gmdrm	hypo	CHH	-0.0184
Gm10	41541186	41542181	Gmdrm	hypo	CHH	-0.0168
Gm10	41543201	41544132	Gmdrm	hypo	CHH	-0.0158
Gm10	41553420	41554411	Gmdrm	hypo	CHH	-0.0203
Gm10	41554620	41555344	Gmdrm	hypo	CHH	-0.017
Gm10	41557983	41558980	Gmdrm	hypo	CHH	-0.0193
Gm10	41564636	41565358	Gmdrm	hypo	CHH	-0.0217
Gm10	41566637	41567172	Gmdrm	hypo	CHH	-0.0152
Gm10	41619685	41620664	Gmdrm	hypo	CHH	-0.0163
Gm10	41628103	41629081	Gmdrm	hypo	CHH	-0.0193
Gm10	41645625	41646623	Gmdrm	hypo	CHH	-0.0234

Gm10	41661218	41662212 Gmdrm	hypo	CHH	-0.0264
Gm10	41669325	41670322 Gmdrm	hypo	CHH	-0.0146
Gm10	41670332	41671329 Gmdrm	hypo	CHH	-0.0428
Gm10	41685677	41685812 Gmdrm	hypo	CHH	-0.0544
Gm10	41689773	41689886 Gmdrm	hypo	CHH	-0.042
Gm10	41693751	41694567 Gmdrm	hypo	CHH	-0.0878
Gm10	41694789	41694853 Gmdrm	hypo	CHH	-0.22
Gm10	41706535	41707532 Gmdrm	hypo	CHH	-0.0482
Gm10	41707542	41708532 Gmdrm	hypo	CHH	-0.0859
Gm10	41722694	41723687 Gmdrm	hypo	CHH	-0.0129
Gm10	41729220	41730220 Gmdrm	hypo	CHH	-0.0338
Gm10	41750059	41751041 Gmdrm	hypo	CHH	-0.0098
Gm10	41761844	41762837 Gmdrm	hypo	CHH	-0.0186
Gm10	41767793	41768787 Gmdrm	hypo	CHH	-0.0123
Gm10	41773946	41774601 Gmdrm	hypo	CHH	-0.0653
Gm10	41783898	41784893 Gmdrm	hypo	CHH	-0.1157
Gm10	41784921	41785776 Gmdrm	hypo	CHH	-0.1101
Gm10	41809683	41810665 Gmdrm	hypo	CHH	-0.0549
Gm10	41815032	41815295 Gmdrm	hypo	CHH	-0.0308
Gm10	41815628	41816619 Gmdrm	hypo	CHH	-0.0123
Gm10	41828428	41829414 Gmdrm	hypo	CHH	-0.0395
Gm10	41834292	41835292 Gmdrm	hypo	CHH	-0.0644
Gm10	41838430	41839427 Gmdrm	hypo	CHH	-0.0942
Gm10	41849008	41849900 Gmdrm	hypo	CHH	-0.3313
Gm10	41862013	41863008 Gmdrm	hypo	CHH	-0.0199
Gm10	41869761	41870728 Gmdrm	hypo	CHH	-0.0245
Gm10	41896455	41897439 Gmdrm	hypo	CHH	-0.0313
Gm10	41898553	41899544 Gmdrm	hypo	CHH	-0.0878
Gm10	41899981	41900978 Gmdrm	hypo	CHH	-0.1241
Gm10	41905617	41905979 Gmdrm	hypo	CHH	-0.1946
Gm10	41915332	41916327 Gmdrm	hypo	CHH	-0.0234
Gm10	41932406	41933382 Gmdrm	hypo	CHH	-0.0559
Gm10	41956339	41957339 Gmdrm	hypo	CHH	-0.1102
Gm10	41962528	41963524 Gmdrm	hypo	CHH	-0.0158
Gm10	41969433	41970407 Gmdrm	hypo	CHH	-0.2306
Gm10	41972468	41973467 Gmdrm	hypo	CHH	-0.0425
Gm10	41973477	41974463 Gmdrm	hypo	CHH	-0.0262
Gm10	41975359	41976359 Gmdrm	hypo	CHH	-0.0479
Gm10	41976362	41977307 Gmdrm	hypo	CHH	-0.0704
Gm10	41979183	41980169 Gmdrm	hypo	CHH	-0.0216
Gm10	41980241	41981232 Gmdrm	hypo	CHH	-0.0386
Gm10	41981245	41981712 Gmdrm	hypo	CHH	-0.0774
Gm10	41984968	41985362 Gmdrm	hypo	CHH	-0.0272
Gm10	41998981	41999966 Gmdrm	hypo	CHH	-0.0166
Gm10	42003277	42004274 Gmdrm	hypo	CHH	-0.0343
Gm10	42006774	42007755 Gmdrm	hypo	CHH	-0.0475

Gm10	42018882	42019881	Gmdrm	hypo	CHH	-0.0145
Gm10	42022895	42023890	Gmdrm	hypo	CHH	-0.064
Gm10	42028462	42029461	Gmdrm	hypo	CHH	-0.2029
Gm10	42029464	42030461	Gmdrm	hypo	CHH	-0.1556
Gm10	42030466	42031466	Gmdrm	hypo	CHH	-0.0426
Gm10	42031468	42032464	Gmdrm	hypo	CHH	-0.1721
Gm10	42032469	42033462	Gmdrm	hypo	CHH	-0.0156
Gm10	42038634	42039622	Gmdrm	hypo	CHH	-0.1736
Gm10	42045612	42046594	Gmdrm	hypo	CHH	-0.0896
Gm10	42059612	42060609	Gmdrm	hypo	CHH	-0.088
Gm10	42060616	42061581	Gmdrm	hypo	CHH	-0.0435
Gm10	42067626	42068622	Gmdrm	hypo	CHH	-0.0236
Gm10	42072437	42073113	Gmdrm	hypo	CHH	-0.0253
Gm10	42082225	42083219	Gmdrm	hypo	CHH	-0.0155
Gm10	42086805	42087787	Gmdrm	hypo	CHH	-0.2901
Gm10	42094360	42095357	Gmdrm	hypo	CHH	-0.1271
Gm10	42095363	42095932	Gmdrm	hypo	CHH	-0.0824
Gm10	42117062	42118032	Gmdrm	hypo	CHH	-0.0229
Gm10	42123838	42124185	Gmdrm	hypo	CHH	-0.0326
Gm10	42124399	42124783	Gmdrm	hypo	CHH	-0.0531
Gm10	42139898	42140280	Gmdrm	hypo	CHH	-0.07
Gm10	42148304	42149291	Gmdrm	hypo	CHH	-0.1272
Gm10	42149305	42150300	Gmdrm	hypo	CHH	-0.0202
Gm10	42154955	42155890	Gmdrm	hypo	CHH	-0.0617
Gm10	42157304	42157507	Gmdrm	hypo	CHH	-0.0383
Gm10	42171267	42172240	Gmdrm	hypo	CHH	-0.061
Gm10	42175355	42176336	Gmdrm	hypo	CHH	-0.0238
Gm10	42185816	42186801	Gmdrm	hypo	CHH	-0.0827
Gm10	42186818	42187450	Gmdrm	hypo	CHH	-0.0939
Gm10	42189117	42190117	Gmdrm	hypo	CHH	-0.0585
Gm10	42190119	42191102	Gmdrm	hypo	CHH	-0.156
Gm10	42192124	42193118	Gmdrm	hypo	CHH	-0.0299
Gm10	42193129	42194107	Gmdrm	hypo	CHH	-0.033
Gm10	42199710	42200689	Gmdrm	hypo	CHH	-0.0175
Gm10	42209516	42209864	Gmdrm	hypo	CHH	-0.0234
Gm10	42210975	42211974	Gmdrm	hypo	CHH	-0.0217
Gm10	42214674	42215674	Gmdrm	hypo	CHH	-0.0305
Gm10	42215687	42216674	Gmdrm	hypo	CHH	-0.1262
Gm10	42216690	42217127	Gmdrm	hypo	CHH	-0.0173
Gm10	42220389	42221383	Gmdrm	hypo	CHH	-0.0158
Gm10	42221391	42221682	Gmdrm	hypo	CHH	-0.0219
Gm10	42229367	42230362	Gmdrm	hypo	CHH	-0.1417
Gm10	42230372	42231372	Gmdrm	hypo	CHH	-0.0701
Gm10	42243470	42244466	Gmdrm	hypo	CHH	-0.0158
Gm10	42245543	42246542	Gmdrm	hypo	CHH	-0.1684
Gm10	42265659	42266622	Gmdrm	hypo	CHH	-0.1342

Gm10	42267181	42268177	Gmdrm	hypo	CHH	-0.015
Gm10	42273207	42274207	Gmdrm	hypo	CHH	-0.0666
Gm10	42274218	42275218	Gmdrm	hypo	CHH	-0.061
Gm10	42275223	42276220	Gmdrm	hypo	CHH	-0.0428
Gm10	42276235	42276460	Gmdrm	hypo	CHH	-0.0299
Gm10	42301741	42302733	Gmdrm	hypo	CHH	-0.0451
Gm10	42306157	42307137	Gmdrm	hypo	CHH	-0.0587
Gm10	42316365	42317360	Gmdrm	hypo	CHH	-0.0194
Gm10	42322946	42323569	Gmdrm	hypo	CHH	-0.019
Gm10	42328448	42328565	Gmdrm	hypo	CHH	-0.0509
Gm10	42334979	42335974	Gmdrm	hypo	CHH	-0.0174
Gm10	42335991	42336990	Gmdrm	hypo	CHH	-0.2267
Gm10	42336993	42337989	Gmdrm	hypo	CHH	-0.0837
Gm10	42337999	42338809	Gmdrm	hypo	CHH	-0.1162
Gm10	42353663	42354660	Gmdrm	hypo	CHH	-0.0137
Gm10	42371094	42372088	Gmdrm	hypo	CHH	-0.0196
Gm10	42378886	42379870	Gmdrm	hypo	CHH	-0.0193
Gm10	42392034	42393033	Gmdrm	hypo	CHH	-0.0129
Gm10	42393050	42393403	Gmdrm	hypo	CHH	-0.018
Gm10	42396232	42397224	Gmdrm	hypo	CHH	-0.0211
Gm10	42403268	42404263	Gmdrm	hypo	CHH	-0.0626
Gm10	42404276	42405274	Gmdrm	hypo	CHH	-0.0139
Gm10	42412284	42412963	Gmdrm	hypo	CHH	-0.0389
Gm10	42415291	42416279	Gmdrm	hypo	CHH	-0.0166
Gm10	42434970	42435629	Gmdrm	hypo	CHH	-0.0741
Gm10	42443740	42444737	Gmdrm	hypo	CHH	-0.0991
Gm10	42449281	42449592	Gmdrm	hypo	CHH	-0.0758
Gm10	42452977	42453963	Gmdrm	hypo	CHH	-0.0881
Gm10	42453978	42454667	Gmdrm	hypo	CHH	-0.0866
Gm10	42470521	42471503	Gmdrm	hypo	CHH	-0.0137
Gm10	42472548	42473545	Gmdrm	hypo	CHH	-0.0156
Gm10	42473824	42474334	Gmdrm	hypo	CHH	-0.0224
Gm10	42474798	42475109	Gmdrm	hypo	CHH	-0.0431
Gm10	42478725	42479714	Gmdrm	hypo	CHH	-0.0157
Gm10	42480313	42481298	Gmdrm	hypo	CHH	-0.0179
Gm10	42483341	42484339	Gmdrm	hypo	CHH	-0.0614
Gm10	42484355	42484682	Gmdrm	hypo	CHH	-0.0538
Gm10	42487052	42488051	Gmdrm	hypo	CHH	-0.0213
Gm10	42497782	42498778	Gmdrm	hypo	CHH	-0.0481
Gm10	42514996	42515996	Gmdrm	hypo	CHH	-0.1091
Gm10	42519954	42520942	Gmdrm	hypo	CHH	-0.0316
Gm10	42534871	42535856	Gmdrm	hypo	CHH	-0.0238
Gm10	42543930	42544384	Gmdrm	hypo	CHH	-0.05
Gm10	42546621	42547617	Gmdrm	hypo	CHH	-0.0612
Gm10	42548996	42549987	Gmdrm	hypo	CHH	-0.0361
Gm10	42551401	42552393	Gmdrm	hypo	CHH	-0.1053

Gm10	42552409	42553409	Gmdrm	hypo	CHH	-0.0572
Gm10	42570097	42570115	Gmdrm	hypo	CHH	-0.0386
Gm10	42574302	42575301	Gmdrm	hypo	CHH	-0.0156
Gm10	42575346	42576333	Gmdrm	hypo	CHH	-0.0241
Gm10	42581759	42582727	Gmdrm	hypo	CHH	-0.0192
Gm10	42583917	42584709	Gmdrm	hypo	CHH	-0.0286
Gm10	42586251	42587249	Gmdrm	hypo	CHH	-0.0901
Gm10	42587260	42587721	Gmdrm	hypo	CHH	-0.1087
Gm10	42592170	42593147	Gmdrm	hypo	CHH	-0.0242
Gm10	42594202	42594383	Gmdrm	hypo	CHH	-0.0522
Gm10	42596694	42597693	Gmdrm	hypo	CHH	-0.0422
Gm10	42604442	42605429	Gmdrm	hypo	CHH	-0.0117
Gm10	42605443	42606427	Gmdrm	hypo	CHH	-0.0414
Gm10	42609012	42610011	Gmdrm	hypo	CHH	-0.0236
Gm10	42610013	42610971	Gmdrm	hypo	CHH	-0.0744
Gm10	42638514	42639499	Gmdrm	hypo	CHH	-0.0988
Gm10	42639539	42640534	Gmdrm	hypo	CHH	-0.0155
Gm10	42643129	42644126	Gmdrm	hypo	CHH	-0.1138
Gm10	42663498	42663810	Gmdrm	hypo	CHH	-0.0295
Gm10	42668077	42669077	Gmdrm	hypo	CHH	-0.1428
Gm10	42669080	42670045	Gmdrm	hypo	CHH	-0.1286
Gm10	42670968	42671954	Gmdrm	hypo	CHH	-0.0185
Gm10	42672977	42673958	Gmdrm	hypo	CHH	-0.0628
Gm10	42673979	42674970	Gmdrm	hypo	CHH	-0.0314
Gm10	42675987	42676987	Gmdrm	hypo	CHH	-0.014
Gm10	42678042	42679028	Gmdrm	hypo	CHH	-0.0803
Gm10	42679055	42680055	Gmdrm	hypo	CHH	-0.1199
Gm10	42680057	42680349	Gmdrm	hypo	CHH	-0.0295
Gm10	42687586	42688568	Gmdrm	hypo	CHH	-0.15
Gm10	42688590	42689588	Gmdrm	hypo	CHH	-0.1194
Gm10	42689594	42690578	Gmdrm	hypo	CHH	-0.0136
Gm10	42690597	42690873	Gmdrm	hypo	CHH	-0.0243
Gm10	42692060	42693057	Gmdrm	hypo	CHH	-0.0681
Gm10	42693063	42694062	Gmdrm	hypo	CHH	-0.0458
Gm10	42697088	42698086	Gmdrm	hypo	CHH	-0.1299
Gm10	42699377	42700369	Gmdrm	hypo	CHH	-0.0287
Gm10	42700403	42701393	Gmdrm	hypo	CHH	-0.1493
Gm10	42701408	42702403	Gmdrm	hypo	CHH	-0.0968
Gm10	42703189	42704177	Gmdrm	hypo	CHH	-0.1465
Gm10	42707687	42708677	Gmdrm	hypo	CHH	-0.0682
Gm10	42709696	42710695	Gmdrm	hypo	CHH	-0.0479
Gm10	42710703	42711683	Gmdrm	hypo	CHH	-0.0482
Gm10	42716997	42717209	Gmdrm	hypo	CHH	-0.052
Gm10	42717344	42718322	Gmdrm	hypo	CHH	-0.0252
Gm10	42730901	42731899	Gmdrm	hypo	CHH	-0.02
Gm10	42734256	42735153	Gmdrm	hypo	CHH	-0.0912

Gm10	42737583	42738576 Gmdrm	hypo	CHH	-0.0899
Gm10	42738597	42739579 Gmdrm	hypo	CHH	-0.0541
Gm10	42740575	42741562 Gmdrm	hypo	CHH	-0.0138
Gm10	42750787	42751769 Gmdrm	hypo	CHH	-0.0671
Gm10	42755151	42756139 Gmdrm	hypo	CHH	-0.1517
Gm10	42756349	42756980 Gmdrm	hypo	CHH	-0.2895
Gm10	42764600	42764988 Gmdrm	hypo	CHH	-0.0402
Gm10	42766091	42767091 Gmdrm	hypo	CHH	-0.054
Gm10	42767092	42768087 Gmdrm	hypo	CHH	-0.0219
Gm10	42770900	42771897 Gmdrm	hypo	CHH	-0.117
Gm10	42772927	42773923 Gmdrm	hypo	CHH	-0.0113
Gm10	42774949	42775941 Gmdrm	hypo	CHH	-0.0536
Gm10	42780346	42780583 Gmdrm	hypo	CHH	-0.0833
Gm10	42781073	42781830 Gmdrm	hypo	CHH	-0.0202
Gm10	42784822	42785707 Gmdrm	hypo	CHH	-0.0292
Gm10	42792596	42793591 Gmdrm	hypo	CHH	-0.0282
Gm10	42793932	42794922 Gmdrm	hypo	CHH	-0.0223
Gm10	42797287	42798163 Gmdrm	hypo	CHH	-0.0276
Gm10	42804927	42805918 Gmdrm	hypo	CHH	-0.1083
Gm10	42813883	42814875 Gmdrm	hypo	CHH	-0.059
Gm10	42814889	42815881 Gmdrm	hypo	CHH	-0.1249
Gm10	42823815	42824807 Gmdrm	hypo	CHH	-0.0169
Gm10	42833821	42834025 Gmdrm	hypo	CHH	-0.0881
Gm10	42834127	42835028 Gmdrm	hypo	CHH	-0.0658
Gm10	42835429	42836424 Gmdrm	hypo	CHH	-0.0204
Gm10	42846802	42847795 Gmdrm	hypo	CHH	-0.1177
Gm10	42849614	42850610 Gmdrm	hypo	CHH	-0.029
Gm10	42852626	42853624 Gmdrm	hypo	CHH	-0.1496
Gm10	42855684	42856445 Gmdrm	hypo	CHH	-0.0152
Gm10	42857626	42858623 Gmdrm	hypo	CHH	-0.0246
Gm10	42872940	42873927 Gmdrm	hypo	CHH	-0.1177
Gm10	42891823	42892803 Gmdrm	hypo	CHH	-0.05
Gm10	42914201	42915175 Gmdrm	hypo	CHH	-0.0143
Gm10	42929785	42930779 Gmdrm	hypo	CHH	-0.0484
Gm10	42930786	42931786 Gmdrm	hypo	CHH	-0.1658
Gm10	42943552	42944335 Gmdrm	hypo	CHH	-0.0209
Gm10	42947687	42948671 Gmdrm	hypo	CHH	-0.0363
Gm10	42950721	42951686 Gmdrm	hypo	CHH	-0.0131
Gm10	42967546	42968396 Gmdrm	hypo	CHH	-0.0286
Gm10	42975104	42975487 Gmdrm	hypo	CHH	-0.0413
Gm10	42981276	42982275 Gmdrm	hypo	CHH	-0.1781
Gm10	43010235	43011211 Gmdrm	hypo	CHH	-0.0245
Gm10	43026944	43027944 Gmdrm	hypo	CHH	-0.0146
Gm10	43027946	43028884 Gmdrm	hypo	CHH	-0.2487
Gm10	43042845	43043824 Gmdrm	hypo	CHH	-0.0503
Gm10	43049908	43050863 Gmdrm	hypo	CHH	-0.02

Gm10	43086899	43087831	Gmdrm	hypo	CHH	-0.0148
Gm10	43094058	43094998	Gmdrm	hypo	CHH	-0.0186
Gm10	43099165	43100153	Gmdrm	hypo	CHH	-0.0447
Gm10	43100167	43101161	Gmdrm	hypo	CHH	-0.0393
Gm10	43101193	43102189	Gmdrm	hypo	CHH	-0.0203
Gm10	43102212	43103196	Gmdrm	hypo	CHH	-0.0648
Gm10	43108407	43108569	Gmdrm	hypo	CHH	-0.076
Gm10	43119235	43120230	Gmdrm	hypo	CHH	-0.1062
Gm10	43126013	43127005	Gmdrm	hypo	CHH	-0.0182
Gm10	43146008	43146980	Gmdrm	hypo	CHH	-0.0841
Gm10	43150059	43150968	Gmdrm	hypo	CHH	-0.0245
Gm10	43184049	43185036	Gmdrm	hypo	CHH	-0.018
Gm10	43193193	43194152	Gmdrm	hypo	CHH	-0.0365
Gm10	43206121	43207120	Gmdrm	hypo	CHH	-0.0503
Gm10	43207122	43208117	Gmdrm	hypo	CHH	-0.0838
Gm10	43208127	43209111	Gmdrm	hypo	CHH	-0.0452
Gm10	43209132	43209713	Gmdrm	hypo	CHH	-0.0104
Gm10	43216145	43217144	Gmdrm	hypo	CHH	-0.1396
Gm10	43235160	43236153	Gmdrm	hypo	CHH	-0.0199
Gm10	43238700	43239605	Gmdrm	hypo	CHH	-0.2384
Gm10	43241324	43242324	Gmdrm	hypo	CHH	-0.0899
Gm10	43243209	43244208	Gmdrm	hypo	CHH	-0.0343
Gm10	43251226	43252210	Gmdrm	hypo	CHH	-0.0342
Gm10	43253278	43253914	Gmdrm	hypo	CHH	-0.0614
Gm10	43254453	43255427	Gmdrm	hypo	CHH	-0.0229
Gm10	43263794	43264052	Gmdrm	hypo	CHH	-0.076
Gm10	43268914	43269914	Gmdrm	hypo	CHH	-0.0671
Gm10	43274248	43274707	Gmdrm	hypo	CHH	-0.0268
Gm10	43277220	43278219	Gmdrm	hypo	CHH	-0.5262
Gm10	43279324	43279935	Gmdrm	hypo	CHH	-0.0243
Gm10	43284045	43284920	Gmdrm	hypo	CHH	-0.1622
Gm10	43287391	43288347	Gmdrm	hypo	CHH	-0.1371
Gm10	43292939	43293939	Gmdrm	hypo	CHH	-0.0197
Gm10	43293949	43294909	Gmdrm	hypo	CHH	-0.0154
Gm10	43302712	43303303	Gmdrm	hypo	CHH	-0.0414
Gm10	43315625	43316579	Gmdrm	hypo	CHH	-0.0115
Gm10	43322728	43322978	Gmdrm	hypo	CHH	-0.0381
Gm10	43323170	43324147	Gmdrm	hypo	CHH	-0.0226
Gm10	43325184	43325708	Gmdrm	hypo	CHH	-0.2013
Gm10	43325855	43326854	Gmdrm	hypo	CHH	-0.1023
Gm10	43330735	43331704	Gmdrm	hypo	CHH	-0.0232
Gm10	43344558	43345554	Gmdrm	hypo	CHH	-0.0187
Gm10	43346439	43347439	Gmdrm	hypo	CHH	-0.0264
Gm10	43348447	43349440	Gmdrm	hypo	CHH	-0.0924
Gm10	43350725	43351708	Gmdrm	hypo	CHH	-0.0149
Gm10	43354816	43355056	Gmdrm	hypo	CHH	-0.0975

Gm10	43356202	43357202	Gmdrm	hypo	CHH	-0.0227
Gm10	43365239	43366239	Gmdrm	hypo	CHH	-0.1158
Gm10	43366240	43367229	Gmdrm	hypo	CHH	-0.0975
Gm10	43368254	43368439	Gmdrm	hypo	CHH	-0.0445
Gm10	43376211	43377192	Gmdrm	hypo	CHH	-0.0194
Gm10	43384160	43385148	Gmdrm	hypo	CHH	-0.0229
Gm10	43397692	43398674	Gmdrm	hypo	CHH	-0.2308
Gm10	43400457	43400718	Gmdrm	hypo	CHH	-0.0255
Gm10	43405473	43406042	Gmdrm	hypo	CHH	-0.0492
Gm10	43406372	43407329	Gmdrm	hypo	CHH	-0.0132
Gm10	43407373	43408344	Gmdrm	hypo	CHH	-0.0188
Gm10	43411602	43412593	Gmdrm	hypo	CHH	-0.0317
Gm10	43414633	43415589	Gmdrm	hypo	CHH	-0.0359
Gm10	43416704	43417695	Gmdrm	hypo	CHH	-0.027
Gm10	43423367	43424360	Gmdrm	hypo	CHH	-0.015
Gm10	43425415	43426404	Gmdrm	hypo	CHH	-0.0254
Gm10	43440295	43440575	Gmdrm	hypo	CHH	-0.1617
Gm10	43444273	43444867	Gmdrm	hypo	CHH	-0.0375
Gm10	43456176	43457159	Gmdrm	hypo	CHH	-0.0223
Gm10	43509286	43510266	Gmdrm	hypo	CHH	-0.1827
Gm10	43522520	43523501	Gmdrm	hypo	CHH	-0.0909
Gm10	43523525	43524499	Gmdrm	hypo	CHH	-0.0606
Gm10	43528654	43529648	Gmdrm	hypo	CHH	-0.0213
Gm10	43539500	43540491	Gmdrm	hypo	CHH	-0.0206
Gm10	43545983	43546953	Gmdrm	hypo	CHH	-0.0521
Gm10	43546984	43547977	Gmdrm	hypo	CHH	-0.0242
Gm10	43560319	43561317	Gmdrm	hypo	CHH	-0.0136
Gm10	43564475	43564604	Gmdrm	hypo	CHH	-0.0467
Gm10	43565311	43566311	Gmdrm	hypo	CHH	-0.0155
Gm10	43569979	43570958	Gmdrm	hypo	CHH	-0.2417
Gm10	43571018	43572002	Gmdrm	hypo	CHH	-0.1835
Gm10	43587411	43588404	Gmdrm	hypo	CHH	-0.0203
Gm10	43592393	43593388	Gmdrm	hypo	CHH	-0.1295
Gm10	43599268	43599834	Gmdrm	hypo	CHH	-0.0346
Gm10	43608010	43609006	Gmdrm	hypo	CHH	-0.1944
Gm10	43621229	43622188	Gmdrm	hypo	CHH	-0.0645
Gm10	43623303	43624303	Gmdrm	hypo	CHH	-0.103
Gm10	43624304	43625296	Gmdrm	hypo	CHH	-0.0603
Gm10	43629809	43630780	Gmdrm	hypo	CHH	-0.0212
Gm10	43632514	43633486	Gmdrm	hypo	CHH	-0.0215
Gm10	43650387	43651374	Gmdrm	hypo	CHH	-0.092
Gm10	43652677	43653676	Gmdrm	hypo	CHH	-0.0735
Gm10	43653680	43654628	Gmdrm	hypo	CHH	-0.0458
Gm10	43665140	43666127	Gmdrm	hypo	CHH	-0.0161
Gm10	43671248	43671410	Gmdrm	hypo	CHH	-0.0891
Gm10	43671627	43672626	Gmdrm	hypo	CHH	-0.157

Gm10	43672629	43673628	Gmdrm	hypo	CHH	-0.038
Gm10	43681476	43682460	Gmdrm	hypo	CHH	-0.0378
Gm10	43689802	43690793	Gmdrm	hypo	CHH	-0.0753
Gm10	43690840	43691840	Gmdrm	hypo	CHH	-0.0149
Gm10	43714382	43714834	Gmdrm	hypo	CHH	-0.0372
Gm10	43735979	43736965	Gmdrm	hypo	CHH	-0.0134
Gm10	43739672	43740669	Gmdrm	hypo	CHH	-0.0123
Gm10	43752345	43753329	Gmdrm	hypo	CHH	-0.1522
Gm10	43753350	43754335	Gmdrm	hypo	CHH	-0.0145
Gm10	43785339	43786338	Gmdrm	hypo	CHH	-0.0984
Gm10	43786358	43787333	Gmdrm	hypo	CHH	-0.0646
Gm10	43788390	43789381	Gmdrm	hypo	CHH	-0.0135
Gm10	43789396	43790326	Gmdrm	hypo	CHH	-0.0169
Gm10	43795520	43796520	Gmdrm	hypo	CHH	-0.0732
Gm10	43798532	43799531	Gmdrm	hypo	CHH	-0.0581
Gm10	43799540	43800537	Gmdrm	hypo	CHH	-0.0815
Gm10	43805165	43806152	Gmdrm	hypo	CHH	-0.056
Gm10	43815202	43815943	Gmdrm	hypo	CHH	-0.026
Gm10	43825393	43826375	Gmdrm	hypo	CHH	-0.018
Gm10	43831406	43832385	Gmdrm	hypo	CHH	-0.0405
Gm10	43840882	43840943	Gmdrm	hypo	CHH	-0.11
Gm10	43841305	43842301	Gmdrm	hypo	CHH	-0.0633
Gm10	43847424	43848051	Gmdrm	hypo	CHH	-0.0268
Gm10	43869350	43870345	Gmdrm	hypo	CHH	-0.0568
Gm10	43870353	43871106	Gmdrm	hypo	CHH	-0.0554
Gm10	43873587	43874582	Gmdrm	hypo	CHH	-0.0559
Gm10	43877631	43878630	Gmdrm	hypo	CHH	-0.0808
Gm10	43879634	43880615	Gmdrm	hypo	CHH	-0.103
Gm10	43882677	43883677	Gmdrm	hypo	CHH	-0.0703
Gm10	43885676	43886669	Gmdrm	hypo	CHH	-0.1596
Gm10	43892751	43893747	Gmdrm	hypo	CHH	-0.0402
Gm10	43896844	43897713	Gmdrm	hypo	CHH	-0.0467
Gm10	43898422	43899409	Gmdrm	hypo	CHH	-0.0145
Gm10	43905746	43906727	Gmdrm	hypo	CHH	-0.031
Gm10	43906921	43907892	Gmdrm	hypo	CHH	-0.0267
Gm10	43914196	43915191	Gmdrm	hypo	CHH	-0.0659
Gm10	43915198	43916160	Gmdrm	hypo	CHH	-0.0402
Gm10	43919267	43920250	Gmdrm	hypo	CHH	-0.0097
Gm10	43937782	43938774	Gmdrm	hypo	CHH	-0.0848
Gm10	43940790	43941789	Gmdrm	hypo	CHH	-0.0889
Gm10	43941792	43942789	Gmdrm	hypo	CHH	-0.0974
Gm10	43943806	43944800	Gmdrm	hypo	CHH	-0.0496
Gm10	43963743	43964742	Gmdrm	hypo	CHH	-0.0344
Gm10	43978224	43979196	Gmdrm	hypo	CHH	-0.045
Gm10	43988164	43989161	Gmdrm	hypo	CHH	-0.0911
Gm10	43989460	43990274	Gmdrm	hypo	CHH	-0.0788

Gm10	43997894	43998892	Gmdrm	hypo	CHH	-0.0939
Gm10	44004947	44005308	Gmdrm	hypo	CHH	-0.0381
Gm10	44023486	44024145	Gmdrm	hypo	CHH	-0.0813
Gm10	44024249	44025248	Gmdrm	hypo	CHH	-0.0491
Gm10	44036978	44037961	Gmdrm	hypo	CHH	-0.0155
Gm10	44037981	44038961	Gmdrm	hypo	CHH	-0.039
Gm10	44051759	44052759	Gmdrm	hypo	CHH	-0.1449
Gm10	44052769	44053578	Gmdrm	hypo	CHH	-0.0308
Gm10	44063666	44064452	Gmdrm	hypo	CHH	-0.0479
Gm10	44064590	44065585	Gmdrm	hypo	CHH	-0.0424
Gm10	44066622	44067611	Gmdrm	hypo	CHH	-0.2078
Gm10	44067625	44068622	Gmdrm	hypo	CHH	-0.0664
Gm10	44074754	44075742	Gmdrm	hypo	CHH	-0.012
Gm10	44086168	44087149	Gmdrm	hypo	CHH	-0.0163
Gm10	44087203	44088194	Gmdrm	hypo	CHH	-0.0169
Gm10	44088207	44089199	Gmdrm	hypo	CHH	-0.1079
Gm10	44092829	44093817	Gmdrm	hypo	CHH	-0.058
Gm10	44101630	44102617	Gmdrm	hypo	CHH	-0.0314
Gm10	44102645	44103614	Gmdrm	hypo	CHH	-0.0199
Gm10	44104654	44104939	Gmdrm	hypo	CHH	-0.0271
Gm10	44106645	44107638	Gmdrm	hypo	CHH	-0.0258
Gm10	44108670	44109667	Gmdrm	hypo	CHH	-0.0267
Gm10	44109686	44110677	Gmdrm	hypo	CHH	-0.0189
Gm10	44119914	44120774	Gmdrm	hypo	CHH	-0.0201
Gm10	44145676	44146252	Gmdrm	hypo	CHH	-0.0262
Gm10	44146893	44147860	Gmdrm	hypo	CHH	-0.0378
Gm10	44150016	44151013	Gmdrm	hypo	CHH	-0.0759
Gm10	44151017	44152014	Gmdrm	hypo	CHH	-0.1049
Gm10	44154054	44155045	Gmdrm	hypo	CHH	-0.0161
Gm10	44155055	44155711	Gmdrm	hypo	CHH	-0.0189
Gm10	44160375	44161356	Gmdrm	hypo	CHH	-0.0129
Gm10	44161380	44162360	Gmdrm	hypo	CHH	-0.0195
Gm10	44174314	44175289	Gmdrm	hypo	CHH	-0.0307
Gm10	44177355	44178334	Gmdrm	hypo	CHH	-0.0127
Gm10	44189553	44190522	Gmdrm	hypo	CHH	-0.0243
Gm10	44190557	44191521	Gmdrm	hypo	CHH	-0.019
Gm10	44198925	44199894	Gmdrm	hypo	CHH	-0.3146
Gm10	44216031	44217031	Gmdrm	hypo	CHH	-0.0442
Gm10	44217046	44218036	Gmdrm	hypo	CHH	-0.0197
Gm10	44227510	44228070	Gmdrm	hypo	CHH	-0.0206
Gm10	44240143	44241106	Gmdrm	hypo	CHH	-0.0125
Gm10	44252138	44252314	Gmdrm	hypo	CHH	-0.0414
Gm10	44255258	44256254	Gmdrm	hypo	CHH	-0.0108
Gm10	44257656	44258379	Gmdrm	hypo	CHH	-0.0861
Gm10	44258539	44259490	Gmdrm	hypo	CHH	-0.0406
Gm10	44273726	44274691	Gmdrm	hypo	CHH	-0.0167

Gm10	44274737	44275736	Gmdrm	hypo	CHH	-0.0695
Gm10	44280315	44281311	Gmdrm	hypo	CHH	-0.0475
Gm10	44286142	44287126	Gmdrm	hypo	CHH	-0.0286
Gm10	44294121	44295102	Gmdrm	hypo	CHH	-0.0229
Gm10	44296961	44297961	Gmdrm	hypo	CHH	-0.0252
Gm10	44302900	44303066	Gmdrm	hypo	CHH	-0.0534
Gm10	44310738	44310942	Gmdrm	hypo	CHH	-0.0385
Gm10	44327414	44328189	Gmdrm	hypo	CHH	-0.0398
Gm10	44330431	44330553	Gmdrm	hypo	CHH	-0.118
Gm10	44330863	44331849	Gmdrm	hypo	CHH	-0.0122
Gm10	44335070	44336051	Gmdrm	hypo	CHH	-0.2336
Gm10	44336078	44337075	Gmdrm	hypo	CHH	-0.068
Gm10	44337087	44337595	Gmdrm	hypo	CHH	-0.0197
Gm10	44337730	44338200	Gmdrm	hypo	CHH	-0.0212
Gm10	44338508	44339506	Gmdrm	hypo	CHH	-0.0283
Gm10	44351622	44352613	Gmdrm	hypo	CHH	-0.161
Gm10	44352625	44353621	Gmdrm	hypo	CHH	-0.1046
Gm10	44361028	44362027	Gmdrm	hypo	CHH	-0.0238
Gm10	44364047	44364915	Gmdrm	hypo	CHH	-0.1518
Gm10	44365442	44366392	Gmdrm	hypo	CHH	-0.0216
Gm10	44369508	44370489	Gmdrm	hypo	CHH	-0.0522
Gm10	44371723	44372716	Gmdrm	hypo	CHH	-0.0143
Gm10	44402955	44403953	Gmdrm	hypo	CHH	-0.0141
Gm10	44421952	44422908	Gmdrm	hypo	CHH	-0.2469
Gm10	44422985	44423587	Gmdrm	hypo	CHH	-0.0356
Gm10	44429329	44430324	Gmdrm	hypo	CHH	-0.0147
Gm10	44431351	44432342	Gmdrm	hypo	CHH	-0.0222
Gm10	44432380	44433212	Gmdrm	hypo	CHH	-0.0205
Gm10	44433336	44434318	Gmdrm	hypo	CHH	-0.053
Gm10	44441754	44442703	Gmdrm	hypo	CHH	-0.012
Gm10	44458484	44459454	Gmdrm	hypo	CHH	-0.0185
Gm10	44462541	44463537	Gmdrm	hypo	CHH	-0.0846
Gm10	44476509	44477489	Gmdrm	hypo	CHH	-0.0363
Gm10	44481960	44482718	Gmdrm	hypo	CHH	-0.0191
Gm10	44484548	44485279	Gmdrm	hypo	CHH	-0.0409
Gm10	44486603	44487135	Gmdrm	hypo	CHH	-0.2225
Gm10	44487241	44487695	Gmdrm	hypo	CHH	-0.4108
Gm10	44502204	44503196	Gmdrm	hypo	CHH	-0.0329
Gm10	44505541	44506491	Gmdrm	hypo	CHH	-0.0381
Gm10	44508225	44509224	Gmdrm	hypo	CHH	-0.0147
Gm10	44512043	44513038	Gmdrm	hypo	CHH	-0.0304
Gm10	44520760	44520923	Gmdrm	hypo	CHH	-0.0286
Gm10	44527631	44528332	Gmdrm	hypo	CHH	-0.0156
Gm10	44528803	44528881	Gmdrm	hypo	CHH	-0.0543
Gm10	44531089	44532088	Gmdrm	hypo	CHH	-0.1283
Gm10	44533120	44534098	Gmdrm	hypo	CHH	-0.0582

Gm10	44537789	44538033	Gmdrm	hypo	CHH	-0.0266
Gm10	44538204	44538265	Gmdrm	hypo	CHH	-0.043
Gm10	44539455	44540447	Gmdrm	hypo	CHH	-0.015
Gm10	44543501	44544491	Gmdrm	hypo	CHH	-0.0192
Gm10	44567639	44568630	Gmdrm	hypo	CHH	-0.0704
Gm10	44568641	44569635	Gmdrm	hypo	CHH	-0.1002
Gm10	44573100	44573456	Gmdrm	hypo	CHH	-0.0428
Gm10	44573560	44574558	Gmdrm	hypo	CHH	-0.1655
Gm10	44574598	44575596	Gmdrm	hypo	CHH	-0.0203
Gm10	44591932	44592917	Gmdrm	hypo	CHH	-0.0194
Gm10	44593567	44594549	Gmdrm	hypo	CHH	-0.023
Gm10	44614044	44614705	Gmdrm	hypo	CHH	-0.0276
Gm10	44614810	44615807	Gmdrm	hypo	CHH	-0.0398
Gm10	44619841	44620839	Gmdrm	hypo	CHH	-0.2046
Gm10	44622294	44623270	Gmdrm	hypo	CHH	-0.0252
Gm10	44634455	44635113	Gmdrm	hypo	CHH	-0.0152
Gm10	44638809	44639205	Gmdrm	hypo	CHH	-0.0275
Gm10	44652797	44653777	Gmdrm	hypo	CHH	-0.0173
Gm10	44668479	44668832	Gmdrm	hypo	CHH	-0.0195
Gm10	44668955	44669955	Gmdrm	hypo	CHH	-0.0453
Gm10	44674843	44675831	Gmdrm	hypo	CHH	-0.0372
Gm10	44675856	44676856	Gmdrm	hypo	CHH	-0.0388
Gm10	44680115	44681103	Gmdrm	hypo	CHH	-0.0272
Gm10	44687211	44688172	Gmdrm	hypo	CHH	-0.0111
Gm10	44720406	44721388	Gmdrm	hypo	CHH	-0.119
Gm10	44722416	44723413	Gmdrm	hypo	CHH	-0.1155
Gm10	44727538	44728534	Gmdrm	hypo	CHH	-0.0574
Gm10	44729868	44730859	Gmdrm	hypo	CHH	-0.0702
Gm10	44730871	44731200	Gmdrm	hypo	CHH	-0.0163
Gm10	44732717	44733450	Gmdrm	hypo	CHH	-0.41
Gm10	44734944	44735943	Gmdrm	hypo	CHH	-0.0154
Gm10	44741842	44742819	Gmdrm	hypo	CHH	-0.0135
Gm10	44748684	44749682	Gmdrm	hypo	CHH	-0.0284
Gm10	44758033	44759006	Gmdrm	hypo	CHH	-0.0141
Gm10	44761747	44762704	Gmdrm	hypo	CHH	-0.018
Gm10	44766893	44767889	Gmdrm	hypo	CHH	-0.0392
Gm10	44772764	44773717	Gmdrm	hypo	CHH	-0.0482
Gm10	44779010	44779757	Gmdrm	hypo	CHH	-0.0261
Gm10	44784931	44785931	Gmdrm	hypo	CHH	-0.0107
Gm10	44795707	44796707	Gmdrm	hypo	CHH	-0.0457
Gm10	44798762	44799454	Gmdrm	hypo	CHH	-0.0327
Gm10	44801185	44801556	Gmdrm	hypo	CHH	-0.0174
Gm10	44807245	44808207	Gmdrm	hypo	CHH	-0.0286
Gm10	44820166	44821152	Gmdrm	hypo	CHH	-0.0312
Gm10	44827266	44828262	Gmdrm	hypo	CHH	-0.1832
Gm10	44830507	44831150	Gmdrm	hypo	CHH	-0.0931

Gm10	44835275	44835501	Gmdrm	hypo	CHH	-0.0534
Gm10	44846499	44847491	Gmdrm	hypo	CHH	-0.0467
Gm10	44862454	44863433	Gmdrm	hypo	CHH	-0.0312
Gm10	44868476	44869471	Gmdrm	hypo	CHH	-0.1085
Gm10	44898180	44899180	Gmdrm	hypo	CHH	-0.1349
Gm10	44901530	44902524	Gmdrm	hypo	CHH	-0.0441
Gm10	44913483	44914482	Gmdrm	hypo	CHH	-0.1124
Gm10	44914492	44915489	Gmdrm	hypo	CHH	-0.0603
Gm10	44915495	44916489	Gmdrm	hypo	CHH	-0.0534
Gm10	44916497	44917097	Gmdrm	hypo	CHH	-0.0306
Gm10	44921098	44922092	Gmdrm	hypo	CHH	-0.0308
Gm10	44935290	44936275	Gmdrm	hypo	CHH	-0.2099
Gm10	44940189	44941187	Gmdrm	hypo	CHH	-0.2738
Gm10	44948933	44949926	Gmdrm	hypo	CHH	-0.0183
Gm10	44950474	44951456	Gmdrm	hypo	CHH	-0.0154
Gm10	44955107	44956078	Gmdrm	hypo	CHH	-0.0456
Gm10	44958679	44959679	Gmdrm	hypo	CHH	-0.1878
Gm10	44959686	44960686	Gmdrm	hypo	CHH	-0.026
Gm10	44961217	44962216	Gmdrm	hypo	CHH	-0.1143
Gm10	44962218	44963209	Gmdrm	hypo	CHH	-0.029
Gm10	44963460	44964455	Gmdrm	hypo	CHH	-0.17
Gm10	44967064	44967773	Gmdrm	hypo	CHH	-0.1541
Gm10	44968174	44969161	Gmdrm	hypo	CHH	-0.1939
Gm10	44969211	44970207	Gmdrm	hypo	CHH	-0.1593
Gm10	44975324	44976313	Gmdrm	hypo	CHH	-0.0135
Gm10	45001004	45001996	Gmdrm	hypo	CHH	-0.1137
Gm10	45028037	45028836	Gmdrm	hypo	CHH	-0.0276
Gm10	45028938	45029054	Gmdrm	hypo	CHH	-0.0657
Gm10	45035142	45036134	Gmdrm	hypo	CHH	-0.0966
Gm10	45044268	45045263	Gmdrm	hypo	CHH	-0.017
Gm10	45058009	45058973	Gmdrm	hypo	CHH	-0.0138
Gm10	45059014	45060011	Gmdrm	hypo	CHH	-0.0629
Gm10	45060015	45061015	Gmdrm	hypo	CHH	-0.0324
Gm10	45062036	45063034	Gmdrm	hypo	CHH	-0.0251
Gm10	45063047	45064037	Gmdrm	hypo	CHH	-0.0266
Gm10	45064054	45065042	Gmdrm	hypo	CHH	-0.0455
Gm10	45071252	45072248	Gmdrm	hypo	CHH	-0.0224
Gm10	45082982	45083821	Gmdrm	hypo	CHH	-0.0227
Gm10	45089535	45089831	Gmdrm	hypo	CHH	-0.0894
Gm10	45090396	45091383	Gmdrm	hypo	CHH	-0.011
Gm10	45093435	45094404	Gmdrm	hypo	CHH	-0.0268
Gm10	45099200	45100162	Gmdrm	hypo	CHH	-0.0328
Gm10	45111659	45112628	Gmdrm	hypo	CHH	-0.1491
Gm10	45119640	45120609	Gmdrm	hypo	CHH	-0.0135
Gm10	45124187	45125163	Gmdrm	hypo	CHH	-0.0171
Gm10	45129936	45130925	Gmdrm	hypo	CHH	-0.0422

Gm10	45160250	45161120 Gmdrm	hypo	CHH	-0.0298
Gm10	45168872	45169399 Gmdrm	hypo	CHH	-0.2276
Gm10	45175603	45176140 Gmdrm	hypo	CHH	-0.0274
Gm10	45179272	45180237 Gmdrm	hypo	CHH	-0.0662
Gm10	45185957	45186956 Gmdrm	hypo	CHH	-0.023
Gm10	45186960	45187567 Gmdrm	hypo	CHH	-0.0649
Gm10	45188684	45189667 Gmdrm	hypo	CHH	-0.0209
Gm10	45199084	45200081 Gmdrm	hypo	CHH	-0.0243
Gm10	45205746	45206721 Gmdrm	hypo	CHH	-0.0195
Gm10	45206794	45207791 Gmdrm	hypo	CHH	-0.044
Gm10	45214483	45215457 Gmdrm	hypo	CHH	-0.2088
Gm10	45217148	45218143 Gmdrm	hypo	CHH	-0.0641
Gm10	45227178	45227667 Gmdrm	hypo	CHH	-0.0485
Gm10	45230688	45231264 Gmdrm	hypo	CHH	-0.0211
Gm10	45232671	45232857 Gmdrm	hypo	CHH	-0.04
Gm10	45234980	45235420 Gmdrm	hypo	CHH	-0.1984
Gm10	45236357	45236558 Gmdrm	hypo	CHH	-0.0384
Gm10	45246538	45247537 Gmdrm	hypo	CHH	-0.1156
Gm10	45247549	45248368 Gmdrm	hypo	CHH	-0.2476
Gm10	45248665	45249599 Gmdrm	hypo	CHH	-0.1349
Gm10	45251308	45252297 Gmdrm	hypo	CHH	-0.0216
Gm10	45252313	45253311 Gmdrm	hypo	CHH	-0.0571
Gm10	45267652	45268605 Gmdrm	hypo	CHH	-0.0528
Gm10	45278776	45279698 Gmdrm	hypo	CHH	-0.0335
Gm10	45293337	45294329 Gmdrm	hypo	CHH	-0.1042
Gm10	45294339	45295324 Gmdrm	hypo	CHH	-0.027
Gm10	45296344	45297321 Gmdrm	hypo	CHH	-0.0871
Gm10	45301387	45302384 Gmdrm	hypo	CHH	-0.0816
Gm10	45311187	45312184 Gmdrm	hypo	CHH	-0.0498
Gm10	45321243	45322237 Gmdrm	hypo	CHH	-0.0993
Gm10	45330583	45331525 Gmdrm	hypo	CHH	-0.0238
Gm10	45340686	45341438 Gmdrm	hypo	CHH	-0.0189
Gm10	45350030	45351015 Gmdrm	hypo	CHH	-0.0212
Gm10	45394528	45395523 Gmdrm	hypo	CHH	-0.0174
Gm10	45430732	45431712 Gmdrm	hypo	CHH	-0.0241
Gm10	45447005	45447996 Gmdrm	hypo	CHH	-0.0602
Gm10	45448007	45448998 Gmdrm	hypo	CHH	-0.0628
Gm10	45453731	45454489 Gmdrm	hypo	CHH	-0.0233
Gm10	45463601	45464599 Gmdrm	hypo	CHH	-0.0722
Gm10	45464603	45465558 Gmdrm	hypo	CHH	-0.0649
Gm10	45465608	45466570 Gmdrm	hypo	CHH	-0.0244
Gm10	45466615	45467607 Gmdrm	hypo	CHH	-0.0159
Gm10	45467639	45468631 Gmdrm	hypo	CHH	-0.0402
Gm10	45468645	45469276 Gmdrm	hypo	CHH	-0.0833
Gm10	45472397	45473397 Gmdrm	hypo	CHH	-0.0764
Gm10	45494557	45495553 Gmdrm	hypo	CHH	-0.0865

Gm10	45500724	45501721	Gmdrm	hypo	CHH	-0.0216
Gm10	45508820	45509817	Gmdrm	hypo	CHH	-0.0251
Gm10	45518953	45519838	Gmdrm	hypo	CHH	-0.0296
Gm10	45522186	45522317	Gmdrm	hypo	CHH	-0.065
Gm10	45526580	45527573	Gmdrm	hypo	CHH	-0.2118
Gm10	45527583	45528566	Gmdrm	hypo	CHH	-0.009
Gm10	45538367	45539128	Gmdrm	hypo	CHH	-0.135
Gm10	45539462	45539886	Gmdrm	hypo	CHH	-0.1374
Gm10	45567295	45568266	Gmdrm	hypo	CHH	-0.0403
Gm10	45574016	45574881	Gmdrm	hypo	CHH	-0.0218
Gm10	45579093	45579204	Gmdrm	hypo	CHH	-0.076
Gm10	45581193	45581571	Gmdrm	hypo	CHH	-0.0233
Gm10	45587530	45588515	Gmdrm	hypo	CHH	-0.1361
Gm10	45591911	45592882	Gmdrm	hypo	CHH	-0.4683
Gm10	45598488	45599480	Gmdrm	hypo	CHH	-0.0469
Gm10	45606541	45607537	Gmdrm	hypo	CHH	-0.027
Gm10	45611079	45612074	Gmdrm	hypo	CHH	-0.0112
Gm10	45624688	45625673	Gmdrm	hypo	CHH	-0.0243
Gm10	45630882	45631852	Gmdrm	hypo	CHH	-0.0606
Gm10	45641826	45642826	Gmdrm	hypo	CHH	-0.091
Gm10	45643736	45644734	Gmdrm	hypo	CHH	-0.0134
Gm10	45644739	45645693	Gmdrm	hypo	CHH	-0.0292
Gm10	45660886	45661868	Gmdrm	hypo	CHH	-0.0121
Gm10	45661905	45662904	Gmdrm	hypo	CHH	-0.0639
Gm10	45663911	45664645	Gmdrm	hypo	CHH	-0.0152
Gm10	45671961	45672924	Gmdrm	hypo	CHH	-0.0162
Gm10	45685490	45686478	Gmdrm	hypo	CHH	-0.0128
Gm10	45738341	45739167	Gmdrm	hypo	CHH	-0.0166
Gm10	45747337	45748329	Gmdrm	hypo	CHH	-0.0131
Gm10	45762522	45762651	Gmdrm	hypo	CHH	-0.038
Gm10	45779937	45780921	Gmdrm	hypo	CHH	-0.027
Gm10	45792264	45793264	Gmdrm	hypo	CHH	-0.1076
Gm10	45793268	45794246	Gmdrm	hypo	CHH	-0.0264
Gm10	45798340	45799307	Gmdrm	hypo	CHH	-0.2048
Gm10	45808998	45809701	Gmdrm	hypo	CHH	-0.0302
Gm10	45820988	45821958	Gmdrm	hypo	CHH	-0.0268
Gm10	45842414	45843409	Gmdrm	hypo	CHH	-0.0342
Gm10	45843428	45844401	Gmdrm	hypo	CHH	-0.0395
Gm10	45845459	45845790	Gmdrm	hypo	CHH	-0.02
Gm10	45851183	45851662	Gmdrm	hypo	CHH	-0.0277
Gm10	45858806	45859752	Gmdrm	hypo	CHH	-0.0231
Gm10	45861115	45862101	Gmdrm	hypo	CHH	-0.0188
Gm10	45873619	45874615	Gmdrm	hypo	CHH	-0.021
Gm10	45874625	45875625	Gmdrm	hypo	CHH	-0.0472
Gm10	45875635	45876633	Gmdrm	hypo	CHH	-0.0452
Gm10	45876641	45877634	Gmdrm	hypo	CHH	-0.0405

Gm10	45879065	45880056	Gmdrm	hypo	CHH	-0.0259
Gm10	45880115	45880559	Gmdrm	hypo	CHH	-0.0347
Gm10	45880808	45881804	Gmdrm	hypo	CHH	-0.0431
Gm10	45881816	45882203	Gmdrm	hypo	CHH	-0.1186
Gm10	45912507	45913473	Gmdrm	hypo	CHH	-0.1737
Gm10	45915460	45916049	Gmdrm	hypo	CHH	-0.0244
Gm10	45933378	45934373	Gmdrm	hypo	CHH	-0.0127
Gm10	45939940	45940937	Gmdrm	hypo	CHH	-0.0145
Gm10	45940943	45941936	Gmdrm	hypo	CHH	-0.045
Gm10	45944468	45945338	Gmdrm	hypo	CHH	-0.0864
Gm10	45945632	45946611	Gmdrm	hypo	CHH	-0.0543
Gm10	45947518	45948498	Gmdrm	hypo	CHH	-0.0304
Gm10	45950353	45951345	Gmdrm	hypo	CHH	-0.2797
Gm10	45951362	45952030	Gmdrm	hypo	CHH	-0.0466
Gm10	45952544	45952590	Gmdrm	hypo	CHH	-0.032
Gm10	45958544	45959528	Gmdrm	hypo	CHH	-0.0488
Gm10	45959548	45960545	Gmdrm	hypo	CHH	-0.0724
Gm10	45970419	45971415	Gmdrm	hypo	CHH	-0.0274
Gm10	45982481	45983481	Gmdrm	hypo	CHH	-0.0279
Gm10	45990123	45991120	Gmdrm	hypo	CHH	-0.0188
Gm10	45995402	45996373	Gmdrm	hypo	CHH	-0.0761
Gm10	45997922	45998879	Gmdrm	hypo	CHH	-0.019
Gm10	46006426	46007097	Gmdrm	hypo	CHH	-0.1421
Gm10	46007432	46007945	Gmdrm	hypo	CHH	-0.0993
Gm10	46010916	46011913	Gmdrm	hypo	CHH	-0.0337
Gm10	46018836	46019832	Gmdrm	hypo	CHH	-0.0397
Gm10	46019849	46020844	Gmdrm	hypo	CHH	-0.0912
Gm10	46022447	46023428	Gmdrm	hypo	CHH	-0.0643
Gm10	46024560	46025239	Gmdrm	hypo	CHH	-0.0169
Gm10	46034069	46035060	Gmdrm	hypo	CHH	-0.0609
Gm10	46035080	46036063	Gmdrm	hypo	CHH	-0.1124
Gm10	46039225	46040223	Gmdrm	hypo	CHH	-0.0253
Gm10	46040233	46041218	Gmdrm	hypo	CHH	-0.0737
Gm10	46046308	46047308	Gmdrm	hypo	CHH	-0.0183
Gm10	46053676	46054656	Gmdrm	hypo	CHH	-0.0831
Gm10	46070916	46071143	Gmdrm	hypo	CHH	-0.0405
Gm10	46086707	46087691	Gmdrm	hypo	CHH	-0.0239
Gm10	46090832	46091815	Gmdrm	hypo	CHH	-0.0255
Gm10	46092940	46093920	Gmdrm	hypo	CHH	-0.0245
Gm10	46101078	46102073	Gmdrm	hypo	CHH	-0.015
Gm10	46124113	46125090	Gmdrm	hypo	CHH	-0.0373
Gm10	46125125	46126108	Gmdrm	hypo	CHH	-0.2375
Gm10	46126135	46126976	Gmdrm	hypo	CHH	-0.1257
Gm10	46136357	46137345	Gmdrm	hypo	CHH	-0.0137
Gm10	46147845	46148426	Gmdrm	hypo	CHH	-0.0175
Gm10	46149231	46149976	Gmdrm	hypo	CHH	-0.1513

Gm10	46157694	46158679	Gmdrm	hypo	CHH	-0.1389
Gm10	46158698	46159697	Gmdrm	hypo	CHH	-0.1226
Gm10	46161245	46161405	Gmdrm	hypo	CHH	-0.0514
Gm10	46162540	46163512	Gmdrm	hypo	CHH	-0.0156
Gm10	46166559	46167552	Gmdrm	hypo	CHH	-0.0381
Gm10	46167562	46167999	Gmdrm	hypo	CHH	-0.0153
Gm10	46171477	46172472	Gmdrm	hypo	CHH	-0.0209
Gm10	46172488	46173065	Gmdrm	hypo	CHH	-0.0283
Gm10	46183686	46184670	Gmdrm	hypo	CHH	-0.1606
Gm10	46191482	46192481	Gmdrm	hypo	CHH	-0.0239
Gm10	46202036	46203026	Gmdrm	hypo	CHH	-0.0173
Gm10	46215882	46216876	Gmdrm	hypo	CHH	-0.018
Gm10	46220235	46220742	Gmdrm	hypo	CHH	-0.1473
Gm10	46223745	46224699	Gmdrm	hypo	CHH	-0.0891
Gm10	46225035	46226034	Gmdrm	hypo	CHH	-0.0421
Gm10	46232129	46233129	Gmdrm	hypo	CHH	-0.0193
Gm10	46233134	46234095	Gmdrm	hypo	CHH	-0.2169
Gm10	46235147	46236146	Gmdrm	hypo	CHH	-0.0636
Gm10	46236150	46237149	Gmdrm	hypo	CHH	-0.1302
Gm10	46238325	46239325	Gmdrm	hypo	CHH	-0.1838
Gm10	46239326	46240314	Gmdrm	hypo	CHH	-0.086
Gm10	46246641	46247615	Gmdrm	hypo	CHH	-0.061
Gm10	46253138	46254133	Gmdrm	hypo	CHH	-0.1845
Gm10	46254160	46254710	Gmdrm	hypo	CHH	-0.0253
Gm10	46300103	46301095	Gmdrm	hypo	CHH	-0.0191
Gm10	46304663	46305663	Gmdrm	hypo	CHH	-0.0133
Gm10	46305671	46306652	Gmdrm	hypo	CHH	-0.012
Gm10	46325150	46326134	Gmdrm	hypo	CHH	-0.1031
Gm10	46326164	46327163	Gmdrm	hypo	CHH	-0.1772
Gm10	46327179	46327345	Gmdrm	hypo	CHH	-0.0767
Gm10	46329446	46330442	Gmdrm	hypo	CHH	-0.1218
Gm10	46330452	46331435	Gmdrm	hypo	CHH	-0.1518
Gm10	46333654	46334152	Gmdrm	hypo	CHH	-0.0295
Gm10	46337052	46338039	Gmdrm	hypo	CHH	-0.0202
Gm10	46339313	46340288	Gmdrm	hypo	CHH	-0.0989
Gm10	46340319	46341308	Gmdrm	hypo	CHH	-0.0179
Gm10	46350985	46351982	Gmdrm	hypo	CHH	-0.0841
Gm10	46351989	46352208	Gmdrm	hypo	CHH	-0.1479
Gm10	46373426	46374078	Gmdrm	hypo	CHH	-0.0261
Gm10	46376969	46377911	Gmdrm	hypo	CHH	-0.0237
Gm10	46384103	46384478	Gmdrm	hypo	CHH	-0.0521
Gm10	46384609	46385591	Gmdrm	hypo	CHH	-0.0263
Gm10	46404983	46405952	Gmdrm	hypo	CHH	-0.116
Gm10	46409837	46410836	Gmdrm	hypo	CHH	-0.1039
Gm10	46410844	46411843	Gmdrm	hypo	CHH	-0.0184
Gm10	46423552	46424548	Gmdrm	hypo	CHH	-0.0196

Gm10	46425211	46426186 Gmdrm	hypo	CHH	-0.3722
Gm10	46434063	46435024 Gmdrm	hypo	CHH	-0.0304
Gm10	46435179	46436179 Gmdrm	hypo	CHH	-0.0163
Gm10	46444324	46445305 Gmdrm	hypo	CHH	-0.038
Gm10	46447377	46448342 Gmdrm	hypo	CHH	-0.0169
Gm10	46451917	46452885 Gmdrm	hypo	CHH	-0.0341
Gm10	46452960	46453930 Gmdrm	hypo	CHH	-0.0122
Gm10	46462862	46463862 Gmdrm	hypo	CHH	-0.084
Gm10	46464871	46465870 Gmdrm	hypo	CHH	-0.0592
Gm10	46469703	46470629 Gmdrm	hypo	CHH	-0.0155
Gm10	46501258	46502211 Gmdrm	hypo	CHH	-0.017
Gm10	46503280	46504247 Gmdrm	hypo	CHH	-0.0148
Gm10	46506543	46506654 Gmdrm	hypo	CHH	-0.03
Gm10	46508813	46509803 Gmdrm	hypo	CHH	-0.1577
Gm10	46510436	46511426 Gmdrm	hypo	CHH	-0.0195
Gm10	46511872	46512871 Gmdrm	hypo	CHH	-0.0202
Gm10	46519330	46520306 Gmdrm	hypo	CHH	-0.1353
Gm10	46520340	46520768 Gmdrm	hypo	CHH	-0.1043
Gm10	46520911	46521909 Gmdrm	hypo	CHH	-0.0847
Gm10	46521930	46522924 Gmdrm	hypo	CHH	-0.1138
Gm10	46527637	46528623 Gmdrm	hypo	CHH	-0.0799
Gm10	46528707	46529700 Gmdrm	hypo	CHH	-0.1046
Gm10	46558480	46559418 Gmdrm	hypo	CHH	-0.0312
Gm10	46560531	46561529 Gmdrm	hypo	CHH	-0.0127
Gm10	46562375	46563360 Gmdrm	hypo	CHH	-0.029
Gm10	46575385	46576384 Gmdrm	hypo	CHH	-0.0424
Gm10	46582880	46583879 Gmdrm	hypo	CHH	-0.0527
Gm10	46595897	46596890 Gmdrm	hypo	CHH	-0.3173
Gm10	46603118	46604116 Gmdrm	hypo	CHH	-0.0105
Gm10	46605128	46606107 Gmdrm	hypo	CHH	-0.2201
Gm10	46609229	46609414 Gmdrm	hypo	CHH	-0.0172
Gm10	46619879	46620814 Gmdrm	hypo	CHH	-0.1161
Gm10	46631887	46632882 Gmdrm	hypo	CHH	-0.0205
Gm10	46632901	46633901 Gmdrm	hypo	CHH	-0.0183
Gm10	46634518	46635518 Gmdrm	hypo	CHH	-0.073
Gm10	46654629	46655584 Gmdrm	hypo	CHH	-0.0206
Gm10	46667103	46668047 Gmdrm	hypo	CHH	-0.015
Gm10	46668115	46669050 Gmdrm	hypo	CHH	-0.2157
Gm10	46676994	46677984 Gmdrm	hypo	CHH	-0.0119
Gm10	46694817	46695594 Gmdrm	hypo	CHH	-0.0202
Gm10	46697233	46698213 Gmdrm	hypo	CHH	-0.0187
Gm10	46698245	46698332 Gmdrm	hypo	CHH	-0.041
Gm10	46707779	46708778 Gmdrm	hypo	CHH	-0.0584
Gm10	46708780	46709772 Gmdrm	hypo	CHH	-0.0404
Gm10	46716387	46716814 Gmdrm	hypo	CHH	-0.0209
Gm10	46723233	46724231 Gmdrm	hypo	CHH	-0.0148

Gm10	46733454	46733638	Gmdrm	hypo	CHH	-0.033
Gm10	46750190	46751181	Gmdrm	hypo	CHH	-0.1808
Gm10	46751191	46751246	Gmdrm	hypo	CHH	-0.0443
Gm10	46753470	46754444	Gmdrm	hypo	CHH	-0.011
Gm10	46760997	46761987	Gmdrm	hypo	CHH	-0.0295
Gm10	46762525	46763481	Gmdrm	hypo	CHH	-0.0116
Gm10	46768041	46769039	Gmdrm	hypo	CHH	-0.0224
Gm10	46769044	46769992	Gmdrm	hypo	CHH	-0.0426
Gm10	46780334	46781334	Gmdrm	hypo	CHH	-0.0587
Gm10	46788721	46789708	Gmdrm	hypo	CHH	-0.0148
Gm10	46807279	46808266	Gmdrm	hypo	CHH	-0.1467
Gm10	46808282	46809272	Gmdrm	hypo	CHH	-0.0433
Gm10	46809288	46809953	Gmdrm	hypo	CHH	-0.2319
Gm10	46825925	46826207	Gmdrm	hypo	CHH	-0.142
Gm10	46832068	46832162	Gmdrm	hypo	CHH	-0.034
Gm10	46845574	46846551	Gmdrm	hypo	CHH	-0.2259
Gm10	46849902	46850399	Gmdrm	hypo	CHH	-0.0429
Gm10	46857420	46857881	Gmdrm	hypo	CHH	-0.0711
Gm10	46859077	46860076	Gmdrm	hypo	CHH	-0.0898
Gm10	46860410	46861399	Gmdrm	hypo	CHH	-0.0254
Gm10	46866240	46867231	Gmdrm	hypo	CHH	-0.0272
Gm10	46870016	46870345	Gmdrm	hypo	CHH	-0.0213
Gm10	46874215	46875157	Gmdrm	hypo	CHH	-0.0515
Gm10	46877248	46878230	Gmdrm	hypo	CHH	-0.1111
Gm10	46882033	46883022	Gmdrm	hypo	CHH	-0.0166
Gm10	46885013	46885979	Gmdrm	hypo	CHH	-0.015
Gm10	46904460	46905216	Gmdrm	hypo	CHH	-0.0225
Gm10	46910158	46911087	Gmdrm	hypo	CHH	-0.0163
Gm10	46911170	46911530	Gmdrm	hypo	CHH	-0.2112
Gm10	46926733	46927696	Gmdrm	hypo	CHH	-0.0199
Gm10	46932638	46933190	Gmdrm	hypo	CHH	-0.0367
Gm10	46938525	46939523	Gmdrm	hypo	CHH	-0.0101
Gm10	46939542	46940540	Gmdrm	hypo	CHH	-0.0527
Gm10	46940544	46941012	Gmdrm	hypo	CHH	-0.0688
Gm10	46947367	46947971	Gmdrm	hypo	CHH	-0.0341
Gm10	46948214	46949212	Gmdrm	hypo	CHH	-0.0692
Gm10	46949215	46950214	Gmdrm	hypo	CHH	-0.0708
Gm10	46964780	46965762	Gmdrm	hypo	CHH	-0.095
Gm10	46967247	46968230	Gmdrm	hypo	CHH	-0.026
Gm10	46985574	46986572	Gmdrm	hypo	CHH	-0.0526
Gm10	46986575	46987570	Gmdrm	hypo	CHH	-0.279
Gm10	46989402	46990382	Gmdrm	hypo	CHH	-0.0147
Gm10	46993149	46994149	Gmdrm	hypo	CHH	-0.0601
Gm10	46994912	46995910	Gmdrm	hypo	CHH	-0.0537
Gm10	46995919	46996908	Gmdrm	hypo	CHH	-0.1759
Gm10	46999749	47000729	Gmdrm	hypo	CHH	-0.0127

Gm10	47019546	47019751	Gmdrm	hypo	CHH	-0.105
Gm10	47038336	47039308	Gmdrm	hypo	CHH	-0.0138
Gm10	47042568	47043550	Gmdrm	hypo	CHH	-0.0262
Gm10	47045993	47046973	Gmdrm	hypo	CHH	-0.0266
Gm10	47048835	47048971	Gmdrm	hypo	CHH	-0.0411
Gm10	47057580	47058577	Gmdrm	hypo	CHH	-0.0683
Gm10	47058584	47059542	Gmdrm	hypo	CHH	-0.0559
Gm10	47059585	47060581	Gmdrm	hypo	CHH	-0.0609
Gm10	47062614	47063614	Gmdrm	hypo	CHH	-0.0096
Gm10	47066279	47067274	Gmdrm	hypo	CHH	-0.0564
Gm10	47067280	47068276	Gmdrm	hypo	CHH	-0.0509
Gm10	47072932	47073930	Gmdrm	hypo	CHH	-0.0634
Gm10	47086936	47087928	Gmdrm	hypo	CHH	-0.2501
Gm10	47093177	47094104	Gmdrm	hypo	CHH	-0.026
Gm10	47099220	47100191	Gmdrm	hypo	CHH	-0.0475
Gm10	47103253	47104243	Gmdrm	hypo	CHH	-0.019
Gm10	47111863	47112275	Gmdrm	hypo	CHH	-0.0228
Gm10	47112397	47113357	Gmdrm	hypo	CHH	-0.0465
Gm10	47113530	47113988	Gmdrm	hypo	CHH	-0.0243
Gm10	47118369	47119368	Gmdrm	hypo	CHH	-0.0809
Gm10	47119372	47120358	Gmdrm	hypo	CHH	-0.036
Gm10	47123679	47124240	Gmdrm	hypo	CHH	-0.0233
Gm10	47124405	47124941	Gmdrm	hypo	CHH	-0.0218
Gm10	47131788	47132774	Gmdrm	hypo	CHH	-0.0109
Gm10	47136801	47137789	Gmdrm	hypo	CHH	-0.1137
Gm10	47137804	47138583	Gmdrm	hypo	CHH	-0.0418
Gm10	47142862	47143638	Gmdrm	hypo	CHH	-0.0257
Gm10	47152372	47153368	Gmdrm	hypo	CHH	-0.0119
Gm10	47163460	47164456	Gmdrm	hypo	CHH	-0.0173
Gm10	47167447	47168162	Gmdrm	hypo	CHH	-0.1156
Gm10	47180115	47181111	Gmdrm	hypo	CHH	-0.321
Gm10	47183032	47184032	Gmdrm	hypo	CHH	-0.0228
Gm10	47198923	47199009	Gmdrm	hypo	CHH	-0.0516
Gm10	47200184	47201181	Gmdrm	hypo	CHH	-0.0215
Gm10	47224357	47225341	Gmdrm	hypo	CHH	-0.0112
Gm10	47226754	47227751	Gmdrm	hypo	CHH	-0.2372
Gm10	47227763	47228298	Gmdrm	hypo	CHH	-0.1436
Gm10	47238503	47239502	Gmdrm	hypo	CHH	-0.0157
Gm10	47241374	47242348	Gmdrm	hypo	CHH	-0.0507
Gm10	47242691	47243670	Gmdrm	hypo	CHH	-0.0135
Gm10	47255822	47256818	Gmdrm	hypo	CHH	-0.1994
Gm10	47256825	47257820	Gmdrm	hypo	CHH	-0.1194
Gm10	47262700	47263691	Gmdrm	hypo	CHH	-0.043
Gm10	47263704	47264695	Gmdrm	hypo	CHH	-0.0651
Gm10	47264706	47265701	Gmdrm	hypo	CHH	-0.0594
Gm10	47265708	47266700	Gmdrm	hypo	CHH	-0.0473

Gm10	47266712	47267677 Gmdrm	hypo	CHH	-0.0397
Gm10	47274371	47275366 Gmdrm	hypo	CHH	-0.0107
Gm10	47339490	47340490 Gmdrm	hypo	CHH	-0.0169
Gm10	47344630	47345626 Gmdrm	hypo	CHH	-0.0108
Gm10	47345658	47346653 Gmdrm	hypo	CHH	-0.0361
Gm10	47346666	47347664 Gmdrm	hypo	CHH	-0.0639
Gm10	47347676	47348674 Gmdrm	hypo	CHH	-0.0419
Gm10	47358576	47358651 Gmdrm	hypo	CHH	-0.1571
Gm10	47386379	47387376 Gmdrm	hypo	CHH	-0.0872
Gm10	47393390	47393813 Gmdrm	hypo	CHH	-0.0313
Gm10	47401969	47402951 Gmdrm	hypo	CHH	-0.0135
Gm10	47413430	47414262 Gmdrm	hypo	CHH	-0.1023
Gm10	47418419	47419358 Gmdrm	hypo	CHH	-0.0292
Gm10	47420422	47421409 Gmdrm	hypo	CHH	-0.0167
Gm10	47424487	47425487 Gmdrm	hypo	CHH	-0.2577
Gm10	47425489	47426461 Gmdrm	hypo	CHH	-0.275
Gm10	47449814	47450582 Gmdrm	hypo	CHH	-0.0192
Gm10	47456644	47457639 Gmdrm	hypo	CHH	-0.0511
Gm10	47460863	47461854 Gmdrm	hypo	CHH	-0.0171
Gm10	47480284	47481282 Gmdrm	hypo	CHH	-0.1464
Gm10	47483744	47484741 Gmdrm	hypo	CHH	-0.077
Gm10	47484745	47485680 Gmdrm	hypo	CHH	-0.1179
Gm10	47517658	47518212 Gmdrm	hypo	CHH	-0.1224
Gm10	47519584	47520582 Gmdrm	hypo	CHH	-0.0391
Gm10	47522597	47523576 Gmdrm	hypo	CHH	-0.0227
Gm10	47525154	47526145 Gmdrm	hypo	CHH	-0.0465
Gm10	47535658	47536645 Gmdrm	hypo	CHH	-0.0378
Gm10	47536660	47537620 Gmdrm	hypo	CHH	-0.0681
Gm10	47538698	47539695 Gmdrm	hypo	CHH	-0.0248
Gm10	47549170	47550160 Gmdrm	hypo	CHH	-0.0126
Gm10	47559963	47560921 Gmdrm	hypo	CHH	-0.0126
Gm10	47566704	47567701 Gmdrm	hypo	CHH	-0.0356
Gm10	47567709	47568692 Gmdrm	hypo	CHH	-0.0171
Gm10	47587584	47588195 Gmdrm	hypo	CHH	-0.0273
Gm10	47596680	47597664 Gmdrm	hypo	CHH	-0.0139
Gm10	47602347	47603347 Gmdrm	hypo	CHH	-0.0657
Gm10	47603349	47604345 Gmdrm	hypo	CHH	-0.0956
Gm10	47618897	47619877 Gmdrm	hypo	CHH	-0.0163
Gm10	47633458	47634440 Gmdrm	hypo	CHH	-0.1307
Gm10	47641182	47642159 Gmdrm	hypo	CHH	-0.0451
Gm10	47644640	47645225 Gmdrm	hypo	CHH	-0.1042
Gm10	47645908	47646029 Gmdrm	hypo	CHH	-0.09
Gm10	47648190	47649190 Gmdrm	hypo	CHH	-0.0109
Gm10	47650945	47651263 Gmdrm	hypo	CHH	-0.0406
Gm10	47660147	47661134 Gmdrm	hypo	CHH	-0.1478
Gm10	47666424	47667424 Gmdrm	hypo	CHH	-0.0611

Gm10	47678851	47679091	Gmdrm	hypo	CHH	-0.0353
Gm10	47691313	47692313	Gmdrm	hypo	CHH	-0.0201
Gm10	47704182	47704797	Gmdrm	hypo	CHH	-0.0228
Gm10	47715088	47716073	Gmdrm	hypo	CHH	-0.0194
Gm10	47721285	47722268	Gmdrm	hypo	CHH	-0.0287
Gm10	47770877	47771451	Gmdrm	hypo	CHH	-0.0198
Gm10	47773630	47774627	Gmdrm	hypo	CHH	-0.0811
Gm10	47774632	47774910	Gmdrm	hypo	CHH	-0.1294
Gm10	47778293	47779290	Gmdrm	hypo	CHH	-0.0132
Gm10	47779970	47780957	Gmdrm	hypo	CHH	-0.2181
Gm10	47782295	47783270	Gmdrm	hypo	CHH	-0.0235
Gm10	47784334	47784531	Gmdrm	hypo	CHH	-0.0253
Gm10	47786780	47787776	Gmdrm	hypo	CHH	-0.2337
Gm10	47787783	47788774	Gmdrm	hypo	CHH	-0.1951
Gm10	47792719	47793692	Gmdrm	hypo	CHH	-0.0272
Gm10	47807977	47808951	Gmdrm	hypo	CHH	-0.0159
Gm10	47809336	47810325	Gmdrm	hypo	CHH	-0.0682
Gm10	47810340	47811338	Gmdrm	hypo	CHH	-0.0362
Gm10	47825297	47825577	Gmdrm	hypo	CHH	-0.0983
Gm10	47837576	47838567	Gmdrm	hypo	CHH	-0.0238
Gm10	47838584	47839168	Gmdrm	hypo	CHH	-0.1451
Gm10	47839282	47840250	Gmdrm	hypo	CHH	-0.0163
Gm10	47849629	47850087	Gmdrm	hypo	CHH	-0.0252
Gm10	47854985	47855981	Gmdrm	hypo	CHH	-0.1442
Gm10	47855989	47856988	Gmdrm	hypo	CHH	-0.1915
Gm10	47857403	47858399	Gmdrm	hypo	CHH	-0.1716
Gm10	47858405	47859185	Gmdrm	hypo	CHH	-0.0393
Gm10	47870228	47871228	Gmdrm	hypo	CHH	-0.0113
Gm10	47873308	47874266	Gmdrm	hypo	CHH	-0.0362
Gm10	47874309	47875298	Gmdrm	hypo	CHH	-0.0178
Gm10	47896665	47897658	Gmdrm	hypo	CHH	-0.0424
Gm10	47897690	47898675	Gmdrm	hypo	CHH	-0.1227
Gm10	47899963	47900953	Gmdrm	hypo	CHH	-0.0203
Gm10	47908150	47909150	Gmdrm	hypo	CHH	-0.0133
Gm10	47909152	47910115	Gmdrm	hypo	CHH	-0.0174
Gm10	47922335	47923334	Gmdrm	hypo	CHH	-0.033
Gm10	47929038	47930019	Gmdrm	hypo	CHH	-0.045
Gm10	47959271	47960247	Gmdrm	hypo	CHH	-0.0106
Gm10	47960962	47961332	Gmdrm	hypo	CHH	-0.2443
Gm10	47983595	47984407	Gmdrm	hypo	CHH	-0.0343
Gm10	47985789	47986437	Gmdrm	hypo	CHH	-0.0245
Gm10	47986540	47987497	Gmdrm	hypo	CHH	-0.0302
Gm10	47993449	47994447	Gmdrm	hypo	CHH	-0.1004
Gm10	47994458	47994765	Gmdrm	hypo	CHH	-0.0437
Gm10	47999799	48000784	Gmdrm	hypo	CHH	-0.0331
Gm10	48000817	48001792	Gmdrm	hypo	CHH	-0.0148

Gm10	48004910	48005907	Gmdrm	hypo	CHH	-0.0397
Gm10	48005973	48006966	Gmdrm	hypo	CHH	-0.1349
Gm10	48027432	48028351	Gmdrm	hypo	CHH	-0.0206
Gm10	48028456	48029439	Gmdrm	hypo	CHH	-0.015
Gm10	48041828	48042442	Gmdrm	hypo	CHH	-0.0715
Gm10	48047990	48048299	Gmdrm	hypo	CHH	-0.0516
Gm10	48052746	48053174	Gmdrm	hypo	CHH	-0.0388
Gm10	48053332	48054316	Gmdrm	hypo	CHH	-0.0131
Gm10	48074179	48075172	Gmdrm	hypo	CHH	-0.024
Gm10	48082910	48083891	Gmdrm	hypo	CHH	-0.0127
Gm10	48097713	48098713	Gmdrm	hypo	CHH	-0.1868
Gm10	48098716	48099709	Gmdrm	hypo	CHH	-0.1852
Gm10	48100256	48101246	Gmdrm	hypo	CHH	-0.0114
Gm10	48104810	48105796	Gmdrm	hypo	CHH	-0.133
Gm10	48111660	48112631	Gmdrm	hypo	CHH	-0.3365
Gm10	48117462	48118456	Gmdrm	hypo	CHH	-0.1566
Gm10	48118470	48119438	Gmdrm	hypo	CHH	-0.1111
Gm10	48125009	48125710	Gmdrm	hypo	CHH	-0.0224
Gm10	48139871	48140845	Gmdrm	hypo	CHH	-0.0747
Gm10	48142020	48143007	Gmdrm	hypo	CHH	-0.1372
Gm10	48145557	48145791	Gmdrm	hypo	CHH	-0.0318
Gm10	48148061	48148549	Gmdrm	hypo	CHH	-0.0248
Gm10	48155002	48155642	Gmdrm	hypo	CHH	-0.039
Gm10	48174436	48175411	Gmdrm	hypo	CHH	-0.0725
Gm10	48180142	48180965	Gmdrm	hypo	CHH	-0.082
Gm10	48181361	48182346	Gmdrm	hypo	CHH	-0.0572
Gm10	48186440	48187365	Gmdrm	hypo	CHH	-0.0433
Gm10	48190474	48190902	Gmdrm	hypo	CHH	-0.0179
Gm10	48203164	48204140	Gmdrm	hypo	CHH	-0.0172
Gm10	48205189	48206183	Gmdrm	hypo	CHH	-0.0577
Gm10	48211202	48212200	Gmdrm	hypo	CHH	-0.1338
Gm10	48212206	48212646	Gmdrm	hypo	CHH	-0.111
Gm10	48212756	48213727	Gmdrm	hypo	CHH	-0.0216
Gm10	48213761	48214741	Gmdrm	hypo	CHH	-0.0104
Gm10	48214773	48215361	Gmdrm	hypo	CHH	-0.0154
Gm10	48246841	48247810	Gmdrm	hypo	CHH	-0.0286
Gm10	48262333	48263332	Gmdrm	hypo	CHH	-0.0415
Gm10	48263336	48264320	Gmdrm	hypo	CHH	-0.0476
Gm10	48268902	48269891	Gmdrm	hypo	CHH	-0.0143
Gm10	48273496	48274484	Gmdrm	hypo	CHH	-0.1158
Gm10	48282700	48283698	Gmdrm	hypo	CHH	-0.0165
Gm10	48283711	48284711	Gmdrm	hypo	CHH	-0.0156
Gm10	48289315	48290275	Gmdrm	hypo	CHH	-0.0214
Gm10	48292365	48293357	Gmdrm	hypo	CHH	-0.0205
Gm10	48303443	48304430	Gmdrm	hypo	CHH	-0.0183
Gm10	48304451	48305443	Gmdrm	hypo	CHH	-0.0168

Gm10	48320463	48321421	Gmdrm	hypo	CHH	-0.0942
Gm10	48366028	48367026	Gmdrm	hypo	CHH	-0.0113
Gm10	48411187	48412186	Gmdrm	hypo	CHH	-0.0759
Gm10	48412215	48413189	Gmdrm	hypo	CHH	-0.0201
Gm10	48421919	48422902	Gmdrm	hypo	CHH	-0.0208
Gm10	48424732	48425720	Gmdrm	hypo	CHH	-0.0542
Gm10	48425779	48426774	Gmdrm	hypo	CHH	-0.1058
Gm10	48432220	48433202	Gmdrm	hypo	CHH	-0.036
Gm10	48457668	48458665	Gmdrm	hypo	CHH	-0.0237
Gm10	48465472	48466457	Gmdrm	hypo	CHH	-0.0171
Gm10	48467550	48468448	Gmdrm	hypo	CHH	-0.1585
Gm10	48469916	48470894	Gmdrm	hypo	CHH	-0.1025
Gm10	48482084	48483079	Gmdrm	hypo	CHH	-0.0397
Gm10	48484200	48485180	Gmdrm	hypo	CHH	-0.0161
Gm10	48485255	48485427	Gmdrm	hypo	CHH	-0.0423
Gm10	48488234	48489233	Gmdrm	hypo	CHH	-0.0225
Gm10	48489248	48490227	Gmdrm	hypo	CHH	-0.0268
Gm10	48493081	48494075	Gmdrm	hypo	CHH	-0.0182
Gm10	48494503	48495496	Gmdrm	hypo	CHH	-0.0171
Gm10	48501029	48501993	Gmdrm	hypo	CHH	-0.0148
Gm10	48502688	48503684	Gmdrm	hypo	CHH	-0.1943
Gm10	48509262	48510248	Gmdrm	hypo	CHH	-0.1084
Gm10	48515955	48516525	Gmdrm	hypo	CHH	-0.0412
Gm10	48521873	48522371	Gmdrm	hypo	CHH	-0.0177
Gm10	48528395	48529395	Gmdrm	hypo	CHH	-0.2737
Gm10	48530855	48531841	Gmdrm	hypo	CHH	-0.0147
Gm10	48537530	48538511	Gmdrm	hypo	CHH	-0.0144
Gm10	48562186	48563185	Gmdrm	hypo	CHH	-0.0303
Gm10	48570261	48571258	Gmdrm	hypo	CHH	-0.0158
Gm10	48586081	48587071	Gmdrm	hypo	CHH	-0.0175
Gm10	48591369	48592295	Gmdrm	hypo	CHH	-0.2835
Gm10	48600838	48601832	Gmdrm	hypo	CHH	-0.2285
Gm10	48601839	48602795	Gmdrm	hypo	CHH	-0.0791
Gm10	48615530	48616180	Gmdrm	hypo	CHH	-0.0248
Gm10	48620295	48621295	Gmdrm	hypo	CHH	-0.0642
Gm10	48621302	48622291	Gmdrm	hypo	CHH	-0.1313
Gm10	48627619	48628608	Gmdrm	hypo	CHH	-0.0148
Gm10	48652857	48653845	Gmdrm	hypo	CHH	-0.0366
Gm10	48654877	48655876	Gmdrm	hypo	CHH	-0.067
Gm10	48655880	48656180	Gmdrm	hypo	CHH	-0.0426
Gm10	48668623	48669619	Gmdrm	hypo	CHH	-0.0184
Gm10	48678664	48679664	Gmdrm	hypo	CHH	-0.0131
Gm10	48685299	48685918	Gmdrm	hypo	CHH	-0.0359
Gm10	48692931	48693929	Gmdrm	hypo	CHH	-0.0237
Gm10	48702120	48703120	Gmdrm	hypo	CHH	-0.031
Gm10	48703961	48704933	Gmdrm	hypo	CHH	-0.3448

Gm10	48718074	48719019	Gmdrm	hypo	CHH	-0.129
Gm10	48740695	48740971	Gmdrm	hypo	CHH	-0.0816
Gm10	48743998	48744981	Gmdrm	hypo	CHH	-0.1146
Gm10	48749597	48750595	Gmdrm	hypo	CHH	-0.0823
Gm10	48766104	48766272	Gmdrm	hypo	CHH	-0.042
Gm10	48767646	48768642	Gmdrm	hypo	CHH	-0.0155
Gm10	48768652	48769614	Gmdrm	hypo	CHH	-0.0182
Gm10	48782063	48783063	Gmdrm	hypo	CHH	-0.1072
Gm10	48783067	48783851	Gmdrm	hypo	CHH	-0.0612
Gm10	48785764	48786764	Gmdrm	hypo	CHH	-0.0171
Gm10	48797692	48798688	Gmdrm	hypo	CHH	-0.0221
Gm10	48820628	48821581	Gmdrm	hypo	CHH	-0.1461
Gm10	48831298	48832291	Gmdrm	hypo	CHH	-0.1119
Gm10	48836405	48837359	Gmdrm	hypo	CHH	-0.0207
Gm10	48841605	48842579	Gmdrm	hypo	CHH	-0.026
Gm10	48844074	48844782	Gmdrm	hypo	CHH	-0.3848
Gm10	48863376	48864375	Gmdrm	hypo	CHH	-0.0227
Gm10	48885657	48886654	Gmdrm	hypo	CHH	-0.045
Gm10	48886660	48887643	Gmdrm	hypo	CHH	-0.2309
Gm10	48890895	48891883	Gmdrm	hypo	CHH	-0.0251
Gm10	48908020	48908971	Gmdrm	hypo	CHH	-0.0174
Gm10	48913568	48914557	Gmdrm	hypo	CHH	-0.0199
Gm10	48914612	48915608	Gmdrm	hypo	CHH	-0.1168
Gm10	48915613	48916589	Gmdrm	hypo	CHH	-0.1023
Gm10	48921794	48922768	Gmdrm	hypo	CHH	-0.1677
Gm10	48922795	48923795	Gmdrm	hypo	CHH	-0.2346
Gm10	48946341	48947305	Gmdrm	hypo	CHH	-0.0104
Gm10	48958754	48959743	Gmdrm	hypo	CHH	-0.2305
Gm10	48959756	48960717	Gmdrm	hypo	CHH	-0.0567
Gm10	48960780	48961423	Gmdrm	hypo	CHH	-0.0323
Gm10	48968906	48969791	Gmdrm	hypo	CHH	-0.0184
Gm10	48971000	48971994	Gmdrm	hypo	CHH	-0.0354
Gm10	48985427	48985558	Gmdrm	hypo	CHH	-0.0894
Gm10	49001267	49002122	Gmdrm	hypo	CHH	-0.0211
Gm10	49002808	49003805	Gmdrm	hypo	CHH	-0.0763
Gm10	49003829	49004752	Gmdrm	hypo	CHH	-0.0136
Gm10	49016477	49017136	Gmdrm	hypo	CHH	-0.0172
Gm10	49032294	49033195	Gmdrm	hypo	CHH	-0.2667
Gm10	49042638	49043633	Gmdrm	hypo	CHH	-0.0141
Gm10	49046122	49047121	Gmdrm	hypo	CHH	-0.0202
Gm10	49058120	49059095	Gmdrm	hypo	CHH	-0.1377
Gm10	49059338	49060333	Gmdrm	hypo	CHH	-0.0181
Gm10	49072668	49073663	Gmdrm	hypo	CHH	-0.0188
Gm10	49074999	49075971	Gmdrm	hypo	CHH	-0.0351
Gm10	49082372	49083370	Gmdrm	hypo	CHH	-0.0201
Gm10	49083381	49084368	Gmdrm	hypo	CHH	-0.0278

Gm10	49098019	49099018	Gmdrm	hypo	CHH	-0.0486
Gm10	49099020	49100013	Gmdrm	hypo	CHH	-0.374
Gm10	49113168	49113353	Gmdrm	hypo	CHH	-0.0311
Gm10	49115794	49116252	Gmdrm	hypo	CHH	-0.0539
Gm10	49120106	49121101	Gmdrm	hypo	CHH	-0.0196
Gm10	49121111	49122106	Gmdrm	hypo	CHH	-0.0172
Gm10	49131832	49132804	Gmdrm	hypo	CHH	-0.0204
Gm10	49159734	49160394	Gmdrm	hypo	CHH	-0.049
Gm10	49171638	49172631	Gmdrm	hypo	CHH	-0.0093
Gm10	49174662	49175655	Gmdrm	hypo	CHH	-0.0176
Gm10	49175665	49176656	Gmdrm	hypo	CHH	-0.138
Gm10	49176675	49177347	Gmdrm	hypo	CHH	-0.1763
Gm10	49180858	49181852	Gmdrm	hypo	CHH	-0.0704
Gm10	49181861	49182830	Gmdrm	hypo	CHH	-0.1926
Gm10	49182866	49183835	Gmdrm	hypo	CHH	-0.0226
Gm10	49188355	49189350	Gmdrm	hypo	CHH	-0.2095
Gm10	49189359	49190135	Gmdrm	hypo	CHH	-0.0464
Gm10	49224216	49224354	Gmdrm	hypo	CHH	-0.0467
Gm10	49258586	49259398	Gmdrm	hypo	CHH	-0.0355
Gm10	49263341	49263955	Gmdrm	hypo	CHH	-0.0232
Gm10	49271797	49272759	Gmdrm	hypo	CHH	-0.0222
Gm10	49274356	49274596	Gmdrm	hypo	CHH	-0.0407
Gm10	49274838	49275830	Gmdrm	hypo	CHH	-0.1269
Gm10	49330078	49330307	Gmdrm	hypo	CHH	-0.0726
Gm10	49343818	49344809	Gmdrm	hypo	CHH	-0.0165
Gm10	49352343	49353339	Gmdrm	hypo	CHH	-0.0224
Gm10	49358318	49359315	Gmdrm	hypo	CHH	-0.0196
Gm10	49408552	49409535	Gmdrm	hypo	CHH	-0.1023
Gm10	49414174	49415169	Gmdrm	hypo	CHH	-0.2002
Gm10	49428180	49429178	Gmdrm	hypo	CHH	-0.0248
Gm10	49429189	49430186	Gmdrm	hypo	CHH	-0.0273
Gm10	49441675	49442670	Gmdrm	hypo	CHH	-0.0165
Gm10	49446233	49447233	Gmdrm	hypo	CHH	-0.0414
Gm10	49447240	49448218	Gmdrm	hypo	CHH	-0.0461
Gm10	49451943	49452938	Gmdrm	hypo	CHH	-0.365
Gm10	49474766	49475766	Gmdrm	hypo	CHH	-0.1126
Gm10	49490621	49491287	Gmdrm	hypo	CHH	-0.0318
Gm10	49498831	49498848	Gmdrm	hypo	CHH	-0.046
Gm10	49500163	49501112	Gmdrm	hypo	CHH	-0.1525
Gm10	49504205	49505205	Gmdrm	hypo	CHH	-0.0205
Gm10	49512620	49513620	Gmdrm	hypo	CHH	-0.0853
Gm10	49513622	49514618	Gmdrm	hypo	CHH	-0.0987
Gm10	49517720	49518656	Gmdrm	hypo	CHH	-0.1539
Gm10	49520435	49520989	Gmdrm	hypo	CHH	-0.0503
Gm10	49541083	49542069	Gmdrm	hypo	CHH	-0.0853
Gm10	49547988	49548754	Gmdrm	hypo	CHH	-0.0337

Gm10	49551985	49552980	Gmdrm	hypo	CHH	-0.0146
Gm10	49552992	49553936	Gmdrm	hypo	CHH	-0.1475
Gm10	49560912	49561904	Gmdrm	hypo	CHH	-0.137
Gm10	49561917	49562908	Gmdrm	hypo	CHH	-0.0564
Gm10	49570654	49571032	Gmdrm	hypo	CHH	-0.041
Gm10	49590136	49591134	Gmdrm	hypo	CHH	-0.0159
Gm10	49592157	49593145	Gmdrm	hypo	CHH	-0.0206
Gm10	49603544	49604103	Gmdrm	hypo	CHH	-0.0596
Gm10	49629360	49630353	Gmdrm	hypo	CHH	-0.0124
Gm10	49632393	49632777	Gmdrm	hypo	CHH	-0.0285
Gm10	49639726	49640721	Gmdrm	hypo	CHH	-0.0161
Gm10	49649483	49650481	Gmdrm	hypo	CHH	-0.03
Gm10	49650488	49651476	Gmdrm	hypo	CHH	-0.0247
Gm10	49651492	49651695	Gmdrm	hypo	CHH	-0.07
Gm10	49657798	49658797	Gmdrm	hypo	CHH	-0.0356
Gm10	49668076	49669067	Gmdrm	hypo	CHH	-0.1114
Gm10	49670084	49671034	Gmdrm	hypo	CHH	-0.0607
Gm10	49672019	49673018	Gmdrm	hypo	CHH	-0.0304
Gm10	49673020	49674018	Gmdrm	hypo	CHH	-0.063
Gm10	49674023	49675019	Gmdrm	hypo	CHH	-0.0537
Gm10	49675057	49676050	Gmdrm	hypo	CHH	-0.05
Gm10	49682658	49683060	Gmdrm	hypo	CHH	-0.0911
Gm10	49683525	49683827	Gmdrm	hypo	CHH	-0.1762
Gm10	49685011	49686003	Gmdrm	hypo	CHH	-0.0333
Gm10	49686015	49687008	Gmdrm	hypo	CHH	-0.1012
Gm10	49687018	49687265	Gmdrm	hypo	CHH	-0.0323
Gm10	49698049	49699033	Gmdrm	hypo	CHH	-0.0161
Gm10	49714827	49715669	Gmdrm	hypo	CHH	-0.0651
Gm10	49719125	49719660	Gmdrm	hypo	CHH	-0.016
Gm10	49727726	49728717	Gmdrm	hypo	CHH	-0.0226
Gm10	49729548	49730530	Gmdrm	hypo	CHH	-0.0202
Gm10	49731587	49732059	Gmdrm	hypo	CHH	-0.04
Gm10	49734955	49735947	Gmdrm	hypo	CHH	-0.1112
Gm10	49743180	49743974	Gmdrm	hypo	CHH	-0.0133
Gm10	49762281	49763029	Gmdrm	hypo	CHH	-0.0166
Gm10	49768887	49769881	Gmdrm	hypo	CHH	-0.0243
Gm10	49783553	49784553	Gmdrm	hypo	CHH	-0.1322
Gm10	49790646	49791019	Gmdrm	hypo	CHH	-0.0763
Gm10	49791160	49792154	Gmdrm	hypo	CHH	-0.1151
Gm10	49797375	49798374	Gmdrm	hypo	CHH	-0.0772
Gm10	49798376	49799160	Gmdrm	hypo	CHH	-0.0352
Gm10	49805356	49806337	Gmdrm	hypo	CHH	-0.0505
Gm10	49806378	49807266	Gmdrm	hypo	CHH	-0.0428
Gm10	49809903	49810854	Gmdrm	hypo	CHH	-0.1646
Gm10	49810910	49811893	Gmdrm	hypo	CHH	-0.0114
Gm10	49817760	49817963	Gmdrm	hypo	CHH	-0.0266

Gm10	49818714	49819709	Gmdrm	hypo	CHH	-0.0291
Gm10	49819722	49820716	Gmdrm	hypo	CHH	-0.0396
Gm10	49821488	49822480	Gmdrm	hypo	CHH	-0.1237
Gm10	49831737	49832723	Gmdrm	hypo	CHH	-0.0194
Gm10	49834795	49835785	Gmdrm	hypo	CHH	-0.0152
Gm10	49835832	49836172	Gmdrm	hypo	CHH	-0.0278
Gm10	49848078	49848575	Gmdrm	hypo	CHH	-0.0194
Gm10	49852009	49852999	Gmdrm	hypo	CHH	-0.0242
Gm10	49873964	49874540	Gmdrm	hypo	CHH	-0.0394
Gm10	49880305	49881283	Gmdrm	hypo	CHH	-0.0194
Gm10	49888773	49889762	Gmdrm	hypo	CHH	-0.0116
Gm10	49981501	49982111	Gmdrm	hypo	CHH	-0.0467
Gm10	49986026	49986733	Gmdrm	hypo	CHH	-0.1977
Gm10	49992534	49993522	Gmdrm	hypo	CHH	-0.0441
Gm10	49994557	49994956	Gmdrm	hypo	CHH	-0.0166
Gm10	50010556	50011521	Gmdrm	hypo	CHH	-0.0617
Gm10	50020396	50021383	Gmdrm	hypo	CHH	-0.0197
Gm10	50021407	50022405	Gmdrm	hypo	CHH	-0.0984
Gm10	50030030	50031028	Gmdrm	hypo	CHH	-0.0588
Gm10	50060630	50061627	Gmdrm	hypo	CHH	-0.017
Gm10	50066849	50067845	Gmdrm	hypo	CHH	-0.0137
Gm10	50106040	50107004	Gmdrm	hypo	CHH	-0.0988
Gm10	50107044	50107159	Gmdrm	hypo	CHH	-0.0358
Gm10	50123328	50124303	Gmdrm	hypo	CHH	-0.0389
Gm10	50130127	50131124	Gmdrm	hypo	CHH	-0.0562
Gm10	50144266	50145235	Gmdrm	hypo	CHH	-0.018
Gm10	50149966	50150940	Gmdrm	hypo	CHH	-0.0759
Gm10	50154479	50154627	Gmdrm	hypo	CHH	-0.03
Gm10	50163624	50164622	Gmdrm	hypo	CHH	-0.2617
Gm10	50164625	50165619	Gmdrm	hypo	CHH	-0.081
Gm10	50165637	50166634	Gmdrm	hypo	CHH	-0.0473
Gm10	50167678	50168601	Gmdrm	hypo	CHH	-0.0211
Gm10	50169735	50170677	Gmdrm	hypo	CHH	-0.0248
Gm10	50194757	50195757	Gmdrm	hypo	CHH	-0.0172
Gm10	50201378	50202371	Gmdrm	hypo	CHH	-0.0155
Gm10	50221711	50222702	Gmdrm	hypo	CHH	-0.0726
Gm10	50222713	50223044	Gmdrm	hypo	CHH	-0.0219
Gm10	50230931	50231926	Gmdrm	hypo	CHH	-0.0476
Gm10	50231932	50232906	Gmdrm	hypo	CHH	-0.086
Gm10	50232939	50233938	Gmdrm	hypo	CHH	-0.0169
Gm10	50233971	50234970	Gmdrm	hypo	CHH	-0.174
Gm10	50236234	50236912	Gmdrm	hypo	CHH	-0.0188
Gm10	50247155	50247522	Gmdrm	hypo	CHH	-0.0508
Gm10	50251727	50252724	Gmdrm	hypo	CHH	-0.0391
Gm10	50252742	50253466	Gmdrm	hypo	CHH	-0.1686
Gm10	50263722	50264719	Gmdrm	hypo	CHH	-0.0215

Gm10	50269958	50270952	Gmdrm	hypo	CHH	-0.047
Gm10	50272828	50273441	Gmdrm	hypo	CHH	-0.0297
Gm10	50273931	50274926	Gmdrm	hypo	CHH	-0.022
Gm10	50274968	50275966	Gmdrm	hypo	CHH	-0.0287
Gm10	50277000	50277936	Gmdrm	hypo	CHH	-0.0237
Gm10	50284301	50285294	Gmdrm	hypo	CHH	-0.1136
Gm10	50285303	50286273	Gmdrm	hypo	CHH	-0.0645
Gm10	50287065	50288054	Gmdrm	hypo	CHH	-0.0195
Gm10	50292867	50293095	Gmdrm	hypo	CHH	-0.0925
Gm10	50309419	50310410	Gmdrm	hypo	CHH	-0.0188
Gm10	50316035	50317021	Gmdrm	hypo	CHH	-0.0134
Gm10	50317038	50318025	Gmdrm	hypo	CHH	-0.0185
Gm10	50324276	50325275	Gmdrm	hypo	CHH	-0.0739
Gm10	50325283	50326283	Gmdrm	hypo	CHH	-0.0855
Gm10	50335327	50336185	Gmdrm	hypo	CHH	-0.2209
Gm10	50344555	50345554	Gmdrm	hypo	CHH	-0.0138
Gm10	50346605	50347563	Gmdrm	hypo	CHH	-0.0133
Gm10	50352445	50352748	Gmdrm	hypo	CHH	-0.0185
Gm10	50362975	50363944	Gmdrm	hypo	CHH	-0.0331
Gm10	50363981	50364970	Gmdrm	hypo	CHH	-0.2444
Gm10	50365048	50365724	Gmdrm	hypo	CHH	-0.0169
Gm10	50370573	50370788	Gmdrm	hypo	CHH	-0.028
Gm10	50380543	50381543	Gmdrm	hypo	CHH	-0.0568
Gm10	50383088	50384086	Gmdrm	hypo	CHH	-0.0152
Gm10	50387930	50388927	Gmdrm	hypo	CHH	-0.191
Gm10	50388931	50389884	Gmdrm	hypo	CHH	-0.0823
Gm10	50392859	50393828	Gmdrm	hypo	CHH	-0.0442
Gm10	50409341	50410334	Gmdrm	hypo	CHH	-0.02
Gm10	50424146	50425145	Gmdrm	hypo	CHH	-0.0746
Gm10	50425148	50425876	Gmdrm	hypo	CHH	-0.0319
Gm10	50443487	50444479	Gmdrm	hypo	CHH	-0.0152
Gm10	50446125	50447123	Gmdrm	hypo	CHH	-0.0167
Gm10	50455051	50456046	Gmdrm	hypo	CHH	-0.0189
Gm10	50461151	50462134	Gmdrm	hypo	CHH	-0.0181
Gm10	50462153	50462693	Gmdrm	hypo	CHH	-0.0679
Gm10	50462815	50463388	Gmdrm	hypo	CHH	-0.0192
Gm10	50464967	50465506	Gmdrm	hypo	CHH	-0.0197
Gm10	50490003	50490979	Gmdrm	hypo	CHH	-0.0298
Gm10	50491042	50492042	Gmdrm	hypo	CHH	-0.0708
Gm10	50503303	50504293	Gmdrm	hypo	CHH	-0.032
Gm10	50511698	50512671	Gmdrm	hypo	CHH	-0.2753
Gm10	50513708	50514642	Gmdrm	hypo	CHH	-0.024
Gm10	50514732	50515731	Gmdrm	hypo	CHH	-0.0155
Gm10	50522412	50522586	Gmdrm	hypo	CHH	-0.0378
Gm10	50529439	50530394	Gmdrm	hypo	CHH	-0.035
Gm10	50531451	50531579	Gmdrm	hypo	CHH	-0.054

Gm10	50538154	50538540	Gmdrm	hypo	CHH	-0.0384
Gm10	50540754	50541002	Gmdrm	hypo	CHH	-0.1629
Gm10	50543078	50544073	Gmdrm	hypo	CHH	-0.093
Gm10	50544082	50544743	Gmdrm	hypo	CHH	-0.1231
Gm10	50544887	50545884	Gmdrm	hypo	CHH	-0.0168
Gm10	50558715	50559710	Gmdrm	hypo	CHH	-0.0128
Gm10	50559747	50560739	Gmdrm	hypo	CHH	-0.1062
Gm10	50565261	50566234	Gmdrm	hypo	CHH	-0.0139
Gm10	50571421	50572377	Gmdrm	hypo	CHH	-0.0108
Gm10	50580771	50581754	Gmdrm	hypo	CHH	-0.06
Gm10	50583813	50584812	Gmdrm	hypo	CHH	-0.1444
Gm10	50584817	50585796	Gmdrm	hypo	CHH	-0.0916
Gm10	50585822	50586405	Gmdrm	hypo	CHH	-0.0858
Gm10	50597460	50598134	Gmdrm	hypo	CHH	-0.0225
Gm10	50619173	50620169	Gmdrm	hypo	CHH	-0.0233
Gm10	50621474	50622473	Gmdrm	hypo	CHH	-0.0718
Gm10	50623392	50624392	Gmdrm	hypo	CHH	-0.0173
Gm10	50632549	50633533	Gmdrm	hypo	CHH	-0.0244
Gm10	50638584	50639571	Gmdrm	hypo	CHH	-0.0107
Gm10	50642055	50643002	Gmdrm	hypo	CHH	-0.0126
Gm10	50645392	50645486	Gmdrm	hypo	CHH	-0.0934
Gm10	50652146	50653144	Gmdrm	hypo	CHH	-0.0898
Gm10	50657051	50657856	Gmdrm	hypo	CHH	-0.0434
Gm10	50676119	50677119	Gmdrm	hypo	CHH	-0.0401
Gm10	50678136	50679108	Gmdrm	hypo	CHH	-0.0231
Gm10	50680642	50680806	Gmdrm	hypo	CHH	-0.0262
Gm10	50680925	50681907	Gmdrm	hypo	CHH	-0.0287
Gm10	50681935	50682554	Gmdrm	hypo	CHH	-0.2847
Gm10	50685574	50686542	Gmdrm	hypo	CHH	-0.0334
Gm10	50728180	50729147	Gmdrm	hypo	CHH	-0.1046
Gm10	50734742	50735740	Gmdrm	hypo	CHH	-0.083
Gm10	50741978	50742942	Gmdrm	hypo	CHH	-0.0271
Gm10	50743000	50743857	Gmdrm	hypo	CHH	-0.0132
Gm10	50750741	50751717	Gmdrm	hypo	CHH	-0.0141
Gm10	50754674	50754943	Gmdrm	hypo	CHH	-0.2943
Gm10	50756224	50757208	Gmdrm	hypo	CHH	-0.0584
Gm10	50757246	50758208	Gmdrm	hypo	CHH	-0.0501
Gm10	50758247	50759246	Gmdrm	hypo	CHH	-0.0119
Gm10	50764390	50765379	Gmdrm	hypo	CHH	-0.0536
Gm10	50765409	50766376	Gmdrm	hypo	CHH	-0.0198
Gm10	50776086	50776457	Gmdrm	hypo	CHH	-0.0593
Gm10	50779849	50780358	Gmdrm	hypo	CHH	-0.0626
Gm10	50791576	50792569	Gmdrm	hypo	CHH	-0.0175
Gm10	50792654	50793635	Gmdrm	hypo	CHH	-0.0995
Gm10	50814741	50815537	Gmdrm	hypo	CHH	-0.046
Gm10	50816957	50817957	Gmdrm	hypo	CHH	-0.1661

Gm10	50817965	50818667	Gmdrm	hypo	CHH	-0.3218
Gm10	50863869	50864869	Gmdrm	hypo	CHH	-0.1003
Gm10	50867876	50868454	Gmdrm	hypo	CHH	-0.0316
Gm10	50868649	50869637	Gmdrm	hypo	CHH	-0.0174
Gm10	50895579	50896567	Gmdrm	hypo	CHH	-0.0131
Gm10	50925286	50926278	Gmdrm	hypo	CHH	-0.0764
Gm10	50935543	50936539	Gmdrm	hypo	CHH	-0.1612
Gm10	50941667	50942664	Gmdrm	hypo	CHH	-0.0423
Gm10	50953191	50954186	Gmdrm	hypo	CHH	-0.0172
Gm10	50962262	50963223	Gmdrm	hypo	CHH	-0.029
Gm10	50966377	50967375	Gmdrm	hypo	CHH	-0.0581
Gm10	50967378	50968374	Gmdrm	hypo	CHH	-0.0541
Gm10	50968383	50969379	Gmdrm	hypo	CHH	-0.0303
Gm10	50973154	50974126	Gmdrm	hypo	CHH	-0.0217
Gm10	50980637	50981631	Gmdrm	hypo	CHH	-0.4731
Gm10	50984720	50985694	Gmdrm	hypo	CHH	-0.0204
Gm10	50987004	50987975	Gmdrm	hypo	CHH	-0.0112
Gm10	50989025	50990000	Gmdrm	hypo	CHH	-0.0705
Gm10	51012917	51013914	Gmdrm	hypo	CHH	-0.0174
Gm10	51020876	51021875	Gmdrm	hypo	CHH	-0.09
Gm10	51026652	51027644	Gmdrm	hypo	CHH	-0.0114
Gm10	51027662	51028630	Gmdrm	hypo	CHH	-0.2342
Gm10	51033708	51034666	Gmdrm	hypo	CHH	-0.1525
Gm10	51039845	51040644	Gmdrm	hypo	CHH	-0.3442
Gm10	51040781	51041779	Gmdrm	hypo	CHH	-0.0774
Gm10	51041783	51042771	Gmdrm	hypo	CHH	-0.025
Gm10	51074414	51075400	Gmdrm	hypo	CHH	-0.0296
Gm10	51075434	51076426	Gmdrm	hypo	CHH	-0.0147
Gm10	51076460	51077456	Gmdrm	hypo	CHH	-0.0203
Gm10	51077477	51078415	Gmdrm	hypo	CHH	-0.0265
Gm10	51099613	51100594	Gmdrm	hypo	CHH	-0.0195
Gm10	51103296	51104133	Gmdrm	hypo	CHH	-0.0523
Gm10	51120637	51121634	Gmdrm	hypo	CHH	-0.0183
Gm10	51123507	51124472	Gmdrm	hypo	CHH	-0.0191
Gm10	51140333	51141066	Gmdrm	hypo	CHH	-0.0211
Gm10	51147490	51148487	Gmdrm	hypo	CHH	-0.1226
Gm10	51151557	51152543	Gmdrm	hypo	CHH	-0.0194
Gm10	51153755	51153942	Gmdrm	hypo	CHH	-0.0309
Gm10	51154229	51155229	Gmdrm	hypo	CHH	-0.02
Gm10	51178679	51178780	Gmdrm	hypo	CHH	-0.0829
Gm10	51186141	51187141	Gmdrm	hypo	CHH	-0.0631
Gm10	51201140	51202128	Gmdrm	hypo	CHH	-0.0327
Gm10	51202146	51203146	Gmdrm	hypo	CHH	-0.0746
Gm10	51203151	51204150	Gmdrm	hypo	CHH	-0.0176
Gm10	51210801	51211783	Gmdrm	hypo	CHH	-0.1758
Gm10	51219236	51220234	Gmdrm	hypo	CHH	-0.1583

Gm10	51220237	51221077	Gmdrm	hypo	CHH	-0.1461
Gm10	51224866	51225866	Gmdrm	hypo	CHH	-0.0317
Gm10	51227786	51227956	Gmdrm	hypo	CHH	-0.0277
Gm10	51247008	51247990	Gmdrm	hypo	CHH	-0.0135
Gm10	51254242	51254563	Gmdrm	hypo	CHH	-0.0672
Gm10	51270297	51271293	Gmdrm	hypo	CHH	-0.0168
Gm10	51271303	51272303	Gmdrm	hypo	CHH	-0.0579
Gm10	51272315	51272841	Gmdrm	hypo	CHH	-0.0641
Gm10	51279268	51280233	Gmdrm	hypo	CHH	-0.0193
Gm10	51284700	51285700	Gmdrm	hypo	CHH	-0.0123
Gm10	51303990	51304989	Gmdrm	hypo	CHH	-0.0739
Gm10	51314790	51315783	Gmdrm	hypo	CHH	-0.0168
Gm10	51318914	51319853	Gmdrm	hypo	CHH	-0.0823
Gm10	51322629	51323575	Gmdrm	hypo	CHH	-0.0621
Gm10	51325284	51326282	Gmdrm	hypo	CHH	-0.0123
Gm10	51328356	51329356	Gmdrm	hypo	CHH	-0.0282
Gm10	51330986	51331964	Gmdrm	hypo	CHH	-0.0208
Gm10	51342040	51342825	Gmdrm	hypo	CHH	-0.0257
Gm10	51350955	51351414	Gmdrm	hypo	CHH	-0.0351
Gm10	51376775	51377757	Gmdrm	hypo	CHH	-0.2412
Gm10	51377779	51378774	Gmdrm	hypo	CHH	-0.0172
Gm10	51383959	51384953	Gmdrm	hypo	CHH	-0.0237
Gm10	51403142	51404122	Gmdrm	hypo	CHH	-0.0442
Gm10	51406161	51407161	Gmdrm	hypo	CHH	-0.0167
Gm10	51407921	51408896	Gmdrm	hypo	CHH	-0.0497
Gm10	51420158	51421156	Gmdrm	hypo	CHH	-0.0389
Gm10	51421184	51422177	Gmdrm	hypo	CHH	-0.0397
Gm10	51422237	51423224	Gmdrm	hypo	CHH	-0.0133
Gm10	51434914	51435912	Gmdrm	hypo	CHH	-0.0189
Gm10	51453899	51454845	Gmdrm	hypo	CHH	-0.0147
Gm10	51457185	51458176	Gmdrm	hypo	CHH	-0.037
Gm10	51458188	51459182	Gmdrm	hypo	CHH	-0.0533
Gm10	51463414	51464414	Gmdrm	hypo	CHH	-0.0844
Gm10	51464415	51465414	Gmdrm	hypo	CHH	-0.1233
Gm10	51470129	51471120	Gmdrm	hypo	CHH	-0.0533
Gm10	51472840	51473822	Gmdrm	hypo	CHH	-0.0151
Gm10	51473847	51474836	Gmdrm	hypo	CHH	-0.0437
Gm10	51475824	51476810	Gmdrm	hypo	CHH	-0.2994
Gm10	51479814	51480771	Gmdrm	hypo	CHH	-0.0295
Gm10	51491466	51492463	Gmdrm	hypo	CHH	-0.0138
Gm10	51503100	51504100	Gmdrm	hypo	CHH	-0.052
Gm10	51504109	51505105	Gmdrm	hypo	CHH	-0.0141
Gm10	51517338	51518337	Gmdrm	hypo	CHH	-0.0687
Gm10	51518340	51519339	Gmdrm	hypo	CHH	-0.1403
Gm10	51519342	51519535	Gmdrm	hypo	CHH	-0.4197
Gm10	51519935	51520675	Gmdrm	hypo	CHH	-0.1883

Gm10	51521203	51522199	Gmdrm	hypo	CHH	-0.0905
Gm10	51527805	51528786	Gmdrm	hypo	CHH	-0.0265
Gm10	51528816	51529808	Gmdrm	hypo	CHH	-0.04
Gm10	51532860	51533815	Gmdrm	hypo	CHH	-0.0929
Gm10	51546504	51547475	Gmdrm	hypo	CHH	-0.0226
Gm10	51551172	51552155	Gmdrm	hypo	CHH	-0.0138
Gm10	51564410	51565398	Gmdrm	hypo	CHH	-0.0595
Gm10	51565418	51566364	Gmdrm	hypo	CHH	-0.0106
Gm10	51572195	51573158	Gmdrm	hypo	CHH	-0.0234
Gm10	51576263	51577247	Gmdrm	hypo	CHH	-0.0946
Gm10	51577304	51578301	Gmdrm	hypo	CHH	-0.0433
Gm10	51586686	51587686	Gmdrm	hypo	CHH	-0.1204
Gm10	51593567	51594562	Gmdrm	hypo	CHH	-0.0227
Gm10	51606850	51607840	Gmdrm	hypo	CHH	-0.0398
Gm10	51619946	51620562	Gmdrm	hypo	CHH	-0.0398
Gm10_scaffo	127	1123	Gmdrm	hypo	CHH	-0.06
Gm10_scaffo	7172	8155	Gmdrm	hypo	CHH	-0.0986
Gm10_scaffo	14245	15232	Gmdrm	hypo	CHH	-0.0162
Gm10_scaffo	21668	22318	Gmdrm	hypo	CHH	-0.0609
Gm10_scaffo	31338	32331	Gmdrm	hypo	CHH	-0.0775
Gm10_scaffo	53988	54988	Gmdrm	hypo	CHH	-0.0368
Gm10_scaffo	58034	58852	Gmdrm	hypo	CHH	-0.0857
Gm10_scaffo	67146	68142	Gmdrm	hypo	CHH	-0.1149
Gm10_scaffo	68148	69133	Gmdrm	hypo	CHH	-0.0828
Gm10_scaffo	15824	16823	Gmdrm	hypo	CHH	-0.0694
Gm10_scaffo	16834	17832	Gmdrm	hypo	CHH	-0.0607
Gm10_scaffo	46285	47265	Gmdrm	hypo	CHH	-0.057
Gm10_scaffo	21036	22027	Gmdrm	hypo	CHH	-0.0577
Gm10_scaffo	23052	24036	Gmdrm	hypo	CHH	-0.0462
Gm10_scaffo	24309	25309	Gmdrm	hypo	CHH	-0.0282
Gm10_scaffo	30359	31347	Gmdrm	hypo	CHH	-0.0309
Gm10_scaffo	36218	37218	Gmdrm	hypo	CHH	-0.0218
Gm10_scaffo	43167	44165	Gmdrm	hypo	CHH	-0.0304
Gm10_scaffo	44177	45145	Gmdrm	hypo	CHH	-0.0318
Gm10_scaffo	50664	50880	Gmdrm	hypo	CHH	-0.0539
Gm10_scaffo	52031	53028	Gmdrm	hypo	CHH	-0.0843
Gm10_scaffo	53033	54013	Gmdrm	hypo	CHH	-0.1136
Gm10_scaffo	54039	55025	Gmdrm	hypo	CHH	-0.1474
Gm10_scaffo	55083	55256	Gmdrm	hypo	CHH	-0.2073
Gm10_scaffo	55447	56190	Gmdrm	hypo	CHH	-0.1252
Gm10_scaffo	56633	57523	Gmdrm	hypo	CHH	-0.1134
Gm11	5586	6580	Gmdrm	hypo	CHH	-0.0673
Gm11	6594	7589	Gmdrm	hypo	CHH	-0.0743
Gm11	7609	7833	Gmdrm	hypo	CHH	-0.0475
Gm11	13798	14797	Gmdrm	hypo	CHH	-0.0415
Gm11	14799	15705	Gmdrm	hypo	CHH	-0.0163

Gm11	17046	18040 Gmdrm	hypo	CHH	-0.0141
Gm11	25947	26894 Gmdrm	hypo	CHH	-0.0972
Gm11	34804	35766 Gmdrm	hypo	CHH	-0.0113
Gm11	35868	36868 Gmdrm	hypo	CHH	-0.0921
Gm11	36874	37863 Gmdrm	hypo	CHH	-0.0555
Gm11	38474	39474 Gmdrm	hypo	CHH	-0.0203
Gm11	42107	42980 Gmdrm	hypo	CHH	-0.0218
Gm11	54798	55738 Gmdrm	hypo	CHH	-0.0175
Gm11	86462	87462 Gmdrm	hypo	CHH	-0.0868
Gm11	87463	88455 Gmdrm	hypo	CHH	-0.0771
Gm11	88465	89438 Gmdrm	hypo	CHH	-0.0515
Gm11	101477	102446 Gmdrm	hypo	CHH	-0.2886
Gm11	111054	111875 Gmdrm	hypo	CHH	-0.0195
Gm11	123286	124229 Gmdrm	hypo	CHH	-0.0151
Gm11	131490	132489 Gmdrm	hypo	CHH	-0.0765
Gm11	132496	133486 Gmdrm	hypo	CHH	-0.0885
Gm11	135138	136094 Gmdrm	hypo	CHH	-0.0229
Gm11	140077	141066 Gmdrm	hypo	CHH	-0.0178
Gm11	144777	145775 Gmdrm	hypo	CHH	-0.0508
Gm11	145778	146777 Gmdrm	hypo	CHH	-0.0541
Gm11	152886	153882 Gmdrm	hypo	CHH	-0.0198
Gm11	153894	154886 Gmdrm	hypo	CHH	-0.0357
Gm11	173023	173750 Gmdrm	hypo	CHH	-0.0155
Gm11	177040	178037 Gmdrm	hypo	CHH	-0.0335
Gm11	178050	179017 Gmdrm	hypo	CHH	-0.0266
Gm11	179496	180496 Gmdrm	hypo	CHH	-0.0174
Gm11	200871	201864 Gmdrm	hypo	CHH	-0.0218
Gm11	201872	202835 Gmdrm	hypo	CHH	-0.0224
Gm11	210660	211659 Gmdrm	hypo	CHH	-0.268
Gm11	211663	212657 Gmdrm	hypo	CHH	-0.0435
Gm11	212665	213665 Gmdrm	hypo	CHH	-0.0613
Gm11	215678	215882 Gmdrm	hypo	CHH	-0.02
Gm11	223791	224772 Gmdrm	hypo	CHH	-0.0144
Gm11	225828	226826 Gmdrm	hypo	CHH	-0.062
Gm11	244500	245485 Gmdrm	hypo	CHH	-0.0695
Gm11	255909	256460 Gmdrm	hypo	CHH	-0.0674
Gm11	276674	277247 Gmdrm	hypo	CHH	-0.0231
Gm11	281866	281921 Gmdrm	hypo	CHH	-0.1718
Gm11	282166	282952 Gmdrm	hypo	CHH	-0.1188
Gm11	291643	292641 Gmdrm	hypo	CHH	-0.0152
Gm11	292706	293701 Gmdrm	hypo	CHH	-0.0134
Gm11	300272	301258 Gmdrm	hypo	CHH	-0.0198
Gm11	301291	301468 Gmdrm	hypo	CHH	-0.0173
Gm11	309705	309895 Gmdrm	hypo	CHH	-0.086
Gm11	322407	323401 Gmdrm	hypo	CHH	-0.0195
Gm11	336162	337091 Gmdrm	hypo	CHH	-0.0414

Gm11	353514	354501 Gmdrm	hypo	CHH	-0.0088
Gm11	357983	358977 Gmdrm	hypo	CHH	-0.0265
Gm11	358985	359264 Gmdrm	hypo	CHH	-0.0515
Gm11	364095	365080 Gmdrm	hypo	CHH	-0.0191
Gm11	365108	366062 Gmdrm	hypo	CHH	-0.0461
Gm11	371155	372142 Gmdrm	hypo	CHH	-0.0248
Gm11	379243	380013 Gmdrm	hypo	CHH	-0.0223
Gm11	383330	384330 Gmdrm	hypo	CHH	-0.0142
Gm11	394543	395543 Gmdrm	hypo	CHH	-0.0194
Gm11	417041	418029 Gmdrm	hypo	CHH	-0.0246
Gm11	420099	420452 Gmdrm	hypo	CHH	-0.0414
Gm11	449711	450675 Gmdrm	hypo	CHH	-0.0185
Gm11	457878	458603 Gmdrm	hypo	CHH	-0.0188
Gm11	474989	475988 Gmdrm	hypo	CHH	-0.1016
Gm11	475993	476982 Gmdrm	hypo	CHH	-0.0809
Gm11	487742	488681 Gmdrm	hypo	CHH	-0.0143
Gm11	490338	491328 Gmdrm	hypo	CHH	-0.1995
Gm11	491341	492323 Gmdrm	hypo	CHH	-0.196
Gm11	495533	496533 Gmdrm	hypo	CHH	-0.1949
Gm11	496563	497554 Gmdrm	hypo	CHH	-0.1818
Gm11	506517	506627 Gmdrm	hypo	CHH	-0.0429
Gm11	518160	519153 Gmdrm	hypo	CHH	-0.0841
Gm11	519165	520159 Gmdrm	hypo	CHH	-0.0148
Gm11	523921	524885 Gmdrm	hypo	CHH	-0.0232
Gm11	524973	525973 Gmdrm	hypo	CHH	-0.068
Gm11	525974	526970 Gmdrm	hypo	CHH	-0.1073
Gm11	544450	545028 Gmdrm	hypo	CHH	-0.0195
Gm11	552563	553559 Gmdrm	hypo	CHH	-0.0323
Gm11	560074	561067 Gmdrm	hypo	CHH	-0.0144
Gm11	571648	572639 Gmdrm	hypo	CHH	-0.0115
Gm11	572653	573592 Gmdrm	hypo	CHH	-0.023
Gm11	581525	582523 Gmdrm	hypo	CHH	-0.1917
Gm11	582543	583533 Gmdrm	hypo	CHH	-0.1283
Gm11	589424	590407 Gmdrm	hypo	CHH	-0.0177
Gm11	609105	609199 Gmdrm	hypo	CHH	-0.04
Gm11	612754	613580 Gmdrm	hypo	CHH	-0.0253
Gm11	623794	624331 Gmdrm	hypo	CHH	-0.0254
Gm11	627505	628474 Gmdrm	hypo	CHH	-0.0183
Gm11	630225	631207 Gmdrm	hypo	CHH	-0.0139
Gm11	634365	635365 Gmdrm	hypo	CHH	-0.2814
Gm11	635366	636362 Gmdrm	hypo	CHH	-0.0707
Gm11	641752	642531 Gmdrm	hypo	CHH	-0.0314
Gm11	654887	655884 Gmdrm	hypo	CHH	-0.0815
Gm11	655890	656882 Gmdrm	hypo	CHH	-0.0363
Gm11	662690	663679 Gmdrm	hypo	CHH	-0.0151
Gm11	678348	679348 Gmdrm	hypo	CHH	-0.0677

Gm11	679350	680002 Gmdrm	hypo	CHH	-0.0596
Gm11	685554	686554 Gmdrm	hypo	CHH	-0.0948
Gm11	692640	693621 Gmdrm	hypo	CHH	-0.0183
Gm11	693643	694643 Gmdrm	hypo	CHH	-0.1793
Gm11	705527	706515 Gmdrm	hypo	CHH	-0.0166
Gm11	706538	707537 Gmdrm	hypo	CHH	-0.0132
Gm11	707545	708530 Gmdrm	hypo	CHH	-0.1073
Gm11	712185	712548 Gmdrm	hypo	CHH	-0.0427
Gm11	715458	715689 Gmdrm	hypo	CHH	-0.041
Gm11	715951	716945 Gmdrm	hypo	CHH	-0.058
Gm11	728306	729304 Gmdrm	hypo	CHH	-0.0454
Gm11	729314	729982 Gmdrm	hypo	CHH	-0.0394
Gm11	730117	731034 Gmdrm	hypo	CHH	-0.1365
Gm11	731769	732074 Gmdrm	hypo	CHH	-0.2164
Gm11	740529	741524 Gmdrm	hypo	CHH	-0.107
Gm11	741555	742529 Gmdrm	hypo	CHH	-0.1201
Gm11	759204	760148 Gmdrm	hypo	CHH	-0.0189
Gm11	769882	770882 Gmdrm	hypo	CHH	-0.0577
Gm11	770884	771868 Gmdrm	hypo	CHH	-0.1126
Gm11	771894	772780 Gmdrm	hypo	CHH	-0.0435
Gm11	781868	782820 Gmdrm	hypo	CHH	-0.0157
Gm11	790378	791365 Gmdrm	hypo	CHH	-0.0132
Gm11	794555	795552 Gmdrm	hypo	CHH	-0.3053
Gm11	795556	796543 Gmdrm	hypo	CHH	-0.0177
Gm11	798195	798706 Gmdrm	hypo	CHH	-0.1349
Gm11	798861	799852 Gmdrm	hypo	CHH	-0.0577
Gm11	800567	801558 Gmdrm	hypo	CHH	-0.1181
Gm11	806700	807656 Gmdrm	hypo	CHH	-0.1446
Gm11	809314	809586 Gmdrm	hypo	CHH	-0.0279
Gm11	813548	813796 Gmdrm	hypo	CHH	-0.0331
Gm11	819961	820520 Gmdrm	hypo	CHH	-0.0598
Gm11	821633	822621 Gmdrm	hypo	CHH	-0.055
Gm11	839364	840328 Gmdrm	hypo	CHH	-0.0877
Gm11	840386	841367 Gmdrm	hypo	CHH	-0.077
Gm11	847463	848393 Gmdrm	hypo	CHH	-0.0218
Gm11	848468	849462 Gmdrm	hypo	CHH	-0.1526
Gm11	859594	859986 Gmdrm	hypo	CHH	-0.0272
Gm11	866770	867767 Gmdrm	hypo	CHH	-0.0438
Gm11	870902	871870 Gmdrm	hypo	CHH	-0.0228
Gm11	871904	872897 Gmdrm	hypo	CHH	-0.0262
Gm11	904342	904798 Gmdrm	hypo	CHH	-0.1361
Gm11	904905	905896 Gmdrm	hypo	CHH	-0.0269
Gm11	905906	906523 Gmdrm	hypo	CHH	-0.1297
Gm11	911030	911224 Gmdrm	hypo	CHH	-0.0225
Gm11	919557	920547 Gmdrm	hypo	CHH	-0.1138
Gm11	921579	922571 Gmdrm	hypo	CHH	-0.0138

Gm11	931271	932033	Gmdrm	hypo	CHH	-0.0553
Gm11	945443	946430	Gmdrm	hypo	CHH	-0.0212
Gm11	949095	950092	Gmdrm	hypo	CHH	-0.0824
Gm11	950100	951085	Gmdrm	hypo	CHH	-0.0565
Gm11	952058	953042	Gmdrm	hypo	CHH	-0.0216
Gm11	960919	961873	Gmdrm	hypo	CHH	-0.0205
Gm11	965619	966101	Gmdrm	hypo	CHH	-0.0407
Gm11	967215	968196	Gmdrm	hypo	CHH	-0.0174
Gm11	968813	969259	Gmdrm	hypo	CHH	-0.0376
Gm11	977759	978759	Gmdrm	hypo	CHH	-0.0863
Gm11	978762	979760	Gmdrm	hypo	CHH	-0.0338
Gm11	980786	981769	Gmdrm	hypo	CHH	-0.0514
Gm11	990950	991116	Gmdrm	hypo	CHH	-0.0437
Gm11	1005349	1006332	Gmdrm	hypo	CHH	-0.0331
Gm11	1018557	1019550	Gmdrm	hypo	CHH	-0.0154
Gm11	1019559	1020258	Gmdrm	hypo	CHH	-0.2938
Gm11	1024169	1024528	Gmdrm	hypo	CHH	-0.0537
Gm11	1026951	1027948	Gmdrm	hypo	CHH	-0.0492
Gm11	1034422	1034635	Gmdrm	hypo	CHH	-0.0231
Gm11	1034762	1035760	Gmdrm	hypo	CHH	-0.0855
Gm11	1035774	1036773	Gmdrm	hypo	CHH	-0.0323
Gm11	1055237	1056226	Gmdrm	hypo	CHH	-0.2018
Gm11	1063488	1064407	Gmdrm	hypo	CHH	-0.0177
Gm11	1065558	1066314	Gmdrm	hypo	CHH	-0.0271
Gm11	1088844	1089842	Gmdrm	hypo	CHH	-0.1031
Gm11	1089845	1090845	Gmdrm	hypo	CHH	-0.1027
Gm11	1090846	1091842	Gmdrm	hypo	CHH	-0.0909
Gm11	1094936	1095920	Gmdrm	hypo	CHH	-0.0216
Gm11	1105002	1106001	Gmdrm	hypo	CHH	-0.045
Gm11	1108865	1109856	Gmdrm	hypo	CHH	-0.0229
Gm11	1123061	1124056	Gmdrm	hypo	CHH	-0.0335
Gm11	1124063	1125051	Gmdrm	hypo	CHH	-0.0673
Gm11	1131000	1131994	Gmdrm	hypo	CHH	-0.0763
Gm11	1132009	1132945	Gmdrm	hypo	CHH	-0.0601
Gm11	1141645	1142644	Gmdrm	hypo	CHH	-0.0263
Gm11	1158573	1159551	Gmdrm	hypo	CHH	-0.0424
Gm11	1167448	1168448	Gmdrm	hypo	CHH	-0.0197
Gm11	1169487	1170463	Gmdrm	hypo	CHH	-0.0171
Gm11	1170513	1171505	Gmdrm	hypo	CHH	-0.014
Gm11	1183623	1184619	Gmdrm	hypo	CHH	-0.0832
Gm11	1184642	1185636	Gmdrm	hypo	CHH	-0.0596
Gm11	1186668	1187668	Gmdrm	hypo	CHH	-0.02
Gm11	1187674	1188659	Gmdrm	hypo	CHH	-0.0098
Gm11	1197625	1198580	Gmdrm	hypo	CHH	-0.0228
Gm11	1199168	1200165	Gmdrm	hypo	CHH	-0.2171
Gm11	1200179	1201172	Gmdrm	hypo	CHH	-0.1745

Gm11	1208483	1209483 Gmdrm	hypo	CHH	-0.173
Gm11	1209484	1209930 Gmdrm	hypo	CHH	-0.0514
Gm11	1214717	1215715 Gmdrm	hypo	CHH	-0.0632
Gm11	1215718	1216714 Gmdrm	hypo	CHH	-0.0556
Gm11	1235911	1236859 Gmdrm	hypo	CHH	-0.0233
Gm11	1239202	1240201 Gmdrm	hypo	CHH	-0.0142
Gm11	1242203	1243079 Gmdrm	hypo	CHH	-0.0809
Gm11	1243302	1244298 Gmdrm	hypo	CHH	-0.0912
Gm11	1244303	1245300 Gmdrm	hypo	CHH	-0.0319
Gm11	1274885	1275873 Gmdrm	hypo	CHH	-0.0087
Gm11	1289941	1290799 Gmdrm	hypo	CHH	-0.0189
Gm11	1297069	1298030 Gmdrm	hypo	CHH	-0.0142
Gm11	1298076	1299062 Gmdrm	hypo	CHH	-0.011
Gm11	1299139	1299955 Gmdrm	hypo	CHH	-0.0313
Gm11	1311521	1312351 Gmdrm	hypo	CHH	-0.0288
Gm11	1315073	1315989 Gmdrm	hypo	CHH	-0.0344
Gm11	1323725	1324716 Gmdrm	hypo	CHH	-0.044
Gm11	1338772	1339749 Gmdrm	hypo	CHH	-0.0286
Gm11	1339819	1340815 Gmdrm	hypo	CHH	-0.017
Gm11	1344531	1345508 Gmdrm	hypo	CHH	-0.2339
Gm11	1345573	1345609 Gmdrm	hypo	CHH	-0.0983
Gm11	1345734	1346393 Gmdrm	hypo	CHH	-0.0307
Gm11	1366878	1367867 Gmdrm	hypo	CHH	-0.1423
Gm11	1367880	1368876 Gmdrm	hypo	CHH	-0.1047
Gm11	1369946	1370907 Gmdrm	hypo	CHH	-0.1819
Gm11	1378357	1379177 Gmdrm	hypo	CHH	-0.0239
Gm11	1382425	1383415 Gmdrm	hypo	CHH	-0.042
Gm11	1397226	1397418 Gmdrm	hypo	CHH	-0.0409
Gm11	1402438	1403397 Gmdrm	hypo	CHH	-0.0167
Gm11	1405449	1406449 Gmdrm	hypo	CHH	-0.2128
Gm11	1409182	1409962 Gmdrm	hypo	CHH	-0.3206
Gm11	1410094	1411090 Gmdrm	hypo	CHH	-0.0633
Gm11	1411106	1411652 Gmdrm	hypo	CHH	-0.0364
Gm11	1422693	1423162 Gmdrm	hypo	CHH	-0.0298
Gm11	1426484	1427121 Gmdrm	hypo	CHH	-0.0307
Gm11	1430610	1431595 Gmdrm	hypo	CHH	-0.1801
Gm11	1439174	1439310 Gmdrm	hypo	CHH	-0.116
Gm11	1443534	1444531 Gmdrm	hypo	CHH	-0.0379
Gm11	1456090	1457086 Gmdrm	hypo	CHH	-0.0783
Gm11	1457092	1458092 Gmdrm	hypo	CHH	-0.0717
Gm11	1490115	1491097 Gmdrm	hypo	CHH	-0.1079
Gm11	1491158	1492011 Gmdrm	hypo	CHH	-0.0493
Gm11	1494362	1495361 Gmdrm	hypo	CHH	-0.1415
Gm11	1495364	1495559 Gmdrm	hypo	CHH	-0.0867
Gm11	1495701	1496701 Gmdrm	hypo	CHH	-0.0179
Gm11	1505737	1506737 Gmdrm	hypo	CHH	-0.0521

Gm11	1508942	1509344 Gmdrm	hypo	CHH	-0.0305
Gm11	1512053	1513041 Gmdrm	hypo	CHH	-0.0545
Gm11	1524840	1525831 Gmdrm	hypo	CHH	-0.0178
Gm11	1525843	1526828 Gmdrm	hypo	CHH	-0.0468
Gm11	1536204	1537195 Gmdrm	hypo	CHH	-0.0328
Gm11	1540499	1541498 Gmdrm	hypo	CHH	-0.1672
Gm11	1541502	1542485 Gmdrm	hypo	CHH	-0.0659
Gm11	1543379	1544345 Gmdrm	hypo	CHH	-0.0279
Gm11	1555017	1555992 Gmdrm	hypo	CHH	-0.0176
Gm11	1573715	1574690 Gmdrm	hypo	CHH	-0.0149
Gm11	1579720	1580161 Gmdrm	hypo	CHH	-0.0715
Gm11	1583939	1584906 Gmdrm	hypo	CHH	-0.0343
Gm11	1588807	1589781 Gmdrm	hypo	CHH	-0.2219
Gm11	1589825	1590818 Gmdrm	hypo	CHH	-0.0961
Gm11	1590849	1591815 Gmdrm	hypo	CHH	-0.0308
Gm11	1606188	1607178 Gmdrm	hypo	CHH	-0.1284
Gm11	1637344	1638319 Gmdrm	hypo	CHH	-0.0281
Gm11	1651260	1652238 Gmdrm	hypo	CHH	-0.0228
Gm11	1653296	1654270 Gmdrm	hypo	CHH	-0.0695
Gm11	1654601	1655367 Gmdrm	hypo	CHH	-0.0277
Gm11	1656499	1657485 Gmdrm	hypo	CHH	-0.0146
Gm11	1665535	1666531 Gmdrm	hypo	CHH	-0.0167
Gm11	1672805	1672945 Gmdrm	hypo	CHH	-0.0618
Gm11	1675411	1676410 Gmdrm	hypo	CHH	-0.1082
Gm11	1676421	1677417 Gmdrm	hypo	CHH	-0.092
Gm11	1682771	1683297 Gmdrm	hypo	CHH	-0.0359
Gm11	1704157	1704801 Gmdrm	hypo	CHH	-0.0316
Gm11	1711303	1712145 Gmdrm	hypo	CHH	-0.2978
Gm11	1723776	1724762 Gmdrm	hypo	CHH	-0.0296
Gm11	1729052	1730050 Gmdrm	hypo	CHH	-0.0205
Gm11	1762291	1763286 Gmdrm	hypo	CHH	-0.03
Gm11	1764355	1765350 Gmdrm	hypo	CHH	-0.0175
Gm11	1770359	1771304 Gmdrm	hypo	CHH	-0.0268
Gm11	1778266	1778392 Gmdrm	hypo	CHH	-0.2018
Gm11	1779168	1780143 Gmdrm	hypo	CHH	-0.0215
Gm11	1780323	1780703 Gmdrm	hypo	CHH	-0.2729
Gm11	1780903	1781899 Gmdrm	hypo	CHH	-0.1941
Gm11	1786803	1787771 Gmdrm	hypo	CHH	-0.0258
Gm11	1794569	1795568 Gmdrm	hypo	CHH	-0.0174
Gm11	1800614	1801599 Gmdrm	hypo	CHH	-0.0239
Gm11	1807608	1808606 Gmdrm	hypo	CHH	-0.0452
Gm11	1808861	1809860 Gmdrm	hypo	CHH	-0.0728
Gm11	1809864	1810858 Gmdrm	hypo	CHH	-0.0552
Gm11	1822039	1822652 Gmdrm	hypo	CHH	-0.0154
Gm11	1823942	1824939 Gmdrm	hypo	CHH	-0.0218
Gm11	1828613	1829508 Gmdrm	hypo	CHH	-0.0177

Gm11	1832075	1833075 Gmdrm	hypo	CHH	-0.0093
Gm11	1838349	1839329 Gmdrm	hypo	CHH	-0.0373
Gm11	1845121	1845833 Gmdrm	hypo	CHH	-0.0247
Gm11	1889264	1889418 Gmdrm	hypo	CHH	-0.0364
Gm11	1890541	1891520 Gmdrm	hypo	CHH	-0.0139
Gm11	1906128	1907109 Gmdrm	hypo	CHH	-0.0187
Gm11	1912424	1913339 Gmdrm	hypo	CHH	-0.0192
Gm11	1913438	1914081 Gmdrm	hypo	CHH	-0.0142
Gm11	1929830	1930829 Gmdrm	hypo	CHH	-0.2148
Gm11	1948324	1949324 Gmdrm	hypo	CHH	-0.0661
Gm11	1949326	1950312 Gmdrm	hypo	CHH	-0.0471
Gm11	1958401	1959390 Gmdrm	hypo	CHH	-0.0164
Gm11	1959467	1960452 Gmdrm	hypo	CHH	-0.0365
Gm11	1961381	1961850 Gmdrm	hypo	CHH	-0.0674
Gm11	1961968	1962820 Gmdrm	hypo	CHH	-0.0409
Gm11	1965716	1966598 Gmdrm	hypo	CHH	-0.0603
Gm11	1966952	1967943 Gmdrm	hypo	CHH	-0.0269
Gm11	1975555	1976553 Gmdrm	hypo	CHH	-0.0272
Gm11	1978597	1979585 Gmdrm	hypo	CHH	-0.0245
Gm11	1991416	1992411 Gmdrm	hypo	CHH	-0.0752
Gm11	2005942	2006305 Gmdrm	hypo	CHH	-0.0875
Gm11	2020297	2020628 Gmdrm	hypo	CHH	-0.0561
Gm11	2024306	2024890 Gmdrm	hypo	CHH	-0.0452
Gm11	2025681	2025722 Gmdrm	hypo	CHH	-0.0411
Gm11	2032022	2032233 Gmdrm	hypo	CHH	-0.066
Gm11	2041519	2042519 Gmdrm	hypo	CHH	-0.0237
Gm11	2042529	2043517 Gmdrm	hypo	CHH	-0.0601
Gm11	2043532	2044521 Gmdrm	hypo	CHH	-0.0461
Gm11	2045618	2046016 Gmdrm	hypo	CHH	-0.0218
Gm11	2048208	2049208 Gmdrm	hypo	CHH	-0.0328
Gm11	2049212	2050176 Gmdrm	hypo	CHH	-0.0478
Gm11	2056724	2057718 Gmdrm	hypo	CHH	-0.0262
Gm11	2065743	2066530 Gmdrm	hypo	CHH	-0.0175
Gm11	2067963	2068951 Gmdrm	hypo	CHH	-0.2036
Gm11	2075906	2076676 Gmdrm	hypo	CHH	-0.02
Gm11	2079991	2080987 Gmdrm	hypo	CHH	-0.0822
Gm11	2080999	2081975 Gmdrm	hypo	CHH	-0.0707
Gm11	2082017	2083016 Gmdrm	hypo	CHH	-0.039
Gm11	2083020	2084018 Gmdrm	hypo	CHH	-0.0966
Gm11	2084036	2085025 Gmdrm	hypo	CHH	-0.1571
Gm11	2086577	2087567 Gmdrm	hypo	CHH	-0.2848
Gm11	2090543	2091543 Gmdrm	hypo	CHH	-0.0414
Gm11	2093838	2094837 Gmdrm	hypo	CHH	-0.0443
Gm11	2094840	2095839 Gmdrm	hypo	CHH	-0.0465
Gm11	2095841	2096841 Gmdrm	hypo	CHH	-0.104
Gm11	2125153	2126152 Gmdrm	hypo	CHH	-0.0885

Gm11	2143657	2144621 Gmdrm	hypo	CHH	-0.0235
Gm11	2156534	2157522 Gmdrm	hypo	CHH	-0.0432
Gm11	2157536	2158529 Gmdrm	hypo	CHH	-0.0218
Gm11	2162586	2163545 Gmdrm	hypo	CHH	-0.0194
Gm11	2181495	2182480 Gmdrm	hypo	CHH	-0.0906
Gm11	2193161	2194142 Gmdrm	hypo	CHH	-0.0264
Gm11	2194174	2195156 Gmdrm	hypo	CHH	-0.0141
Gm11	2205617	2206610 Gmdrm	hypo	CHH	-0.083
Gm11	2220839	2220936 Gmdrm	hypo	CHH	-0.035
Gm11	2226173	2227173 Gmdrm	hypo	CHH	-0.0719
Gm11	2237054	2237561 Gmdrm	hypo	CHH	-0.03
Gm11	2249390	2250389 Gmdrm	hypo	CHH	-0.0155
Gm11	2255951	2256951 Gmdrm	hypo	CHH	-0.0671
Gm11	2256953	2257920 Gmdrm	hypo	CHH	-0.0214
Gm11	2266547	2267547 Gmdrm	hypo	CHH	-0.1332
Gm11	2267557	2268546 Gmdrm	hypo	CHH	-0.0477
Gm11	2277330	2278320 Gmdrm	hypo	CHH	-0.0143
Gm11	2283068	2284061 Gmdrm	hypo	CHH	-0.1635
Gm11	2284070	2285038 Gmdrm	hypo	CHH	-0.0212
Gm11	2292730	2293714 Gmdrm	hypo	CHH	-0.023
Gm11	2301789	2302771 Gmdrm	hypo	CHH	-0.0169
Gm11	2309760	2310671 Gmdrm	hypo	CHH	-0.177
Gm11	2314097	2314436 Gmdrm	hypo	CHH	-0.0438
Gm11	2318543	2319502 Gmdrm	hypo	CHH	-0.0166
Gm11	2320581	2321575 Gmdrm	hypo	CHH	-0.0409
Gm11	2335070	2336061 Gmdrm	hypo	CHH	-0.0932
Gm11	2372334	2373331 Gmdrm	hypo	CHH	-0.0232
Gm11	2379094	2380087 Gmdrm	hypo	CHH	-0.0642
Gm11	2382361	2383173 Gmdrm	hypo	CHH	-0.0252
Gm11	2384313	2385275 Gmdrm	hypo	CHH	-0.1662
Gm11	2394918	2395896 Gmdrm	hypo	CHH	-0.0305
Gm11	2397381	2398363 Gmdrm	hypo	CHH	-0.0212
Gm11	2398430	2399429 Gmdrm	hypo	CHH	-0.0388
Gm11	2407392	2407892 Gmdrm	hypo	CHH	-0.1217
Gm11	2408549	2409542 Gmdrm	hypo	CHH	-0.0163
Gm11	2418715	2419705 Gmdrm	hypo	CHH	-0.0299
Gm11	2421816	2422641 Gmdrm	hypo	CHH	-0.1653
Gm11	2423926	2424921 Gmdrm	hypo	CHH	-0.1985
Gm11	2425996	2426995 Gmdrm	hypo	CHH	-0.028
Gm11	2432792	2433232 Gmdrm	hypo	CHH	-0.2798
Gm11	2435373	2436361 Gmdrm	hypo	CHH	-0.0106
Gm11	2457429	2458412 Gmdrm	hypo	CHH	-0.0376
Gm11	2458840	2459836 Gmdrm	hypo	CHH	-0.0314
Gm11	2459855	2460845 Gmdrm	hypo	CHH	-0.0723
Gm11	2470174	2471165 Gmdrm	hypo	CHH	-0.0142
Gm11	2481912	2482904 Gmdrm	hypo	CHH	-0.1303

Gm11	2501263	2502222	Gmdrm	hypo	CHH	-0.0203
Gm11	2504965	2505962	Gmdrm	hypo	CHH	-0.0414
Gm11	2505966	2506959	Gmdrm	hypo	CHH	-0.0669
Gm11	2506968	2507967	Gmdrm	hypo	CHH	-0.1643
Gm11	2521282	2522227	Gmdrm	hypo	CHH	-0.0308
Gm11	2534824	2535823	Gmdrm	hypo	CHH	-0.0214
Gm11	2557211	2558208	Gmdrm	hypo	CHH	-0.0718
Gm11	2558216	2559208	Gmdrm	hypo	CHH	-0.1441
Gm11	2560259	2561232	Gmdrm	hypo	CHH	-0.0101
Gm11	2562383	2563383	Gmdrm	hypo	CHH	-0.2149
Gm11	2566084	2566677	Gmdrm	hypo	CHH	-0.0243
Gm11	2570952	2571906	Gmdrm	hypo	CHH	-0.0239
Gm11	2584335	2585320	Gmdrm	hypo	CHH	-0.0141
Gm11	2585336	2586334	Gmdrm	hypo	CHH	-0.0575
Gm11	2591418	2592212	Gmdrm	hypo	CHH	-0.016
Gm11	2597208	2598190	Gmdrm	hypo	CHH	-0.0132
Gm11	2603006	2604002	Gmdrm	hypo	CHH	-0.0438
Gm11	2618319	2619312	Gmdrm	hypo	CHH	-0.0145
Gm11	2626864	2627854	Gmdrm	hypo	CHH	-0.2415
Gm11	2648152	2649148	Gmdrm	hypo	CHH	-0.0126
Gm11	2660754	2661751	Gmdrm	hypo	CHH	-0.2086
Gm11	2661756	2661944	Gmdrm	hypo	CHH	-0.038
Gm11	2669103	2670095	Gmdrm	hypo	CHH	-0.0431
Gm11	2673904	2674898	Gmdrm	hypo	CHH	-0.1441
Gm11	2676055	2677000	Gmdrm	hypo	CHH	-0.2102
Gm11	2677070	2678058	Gmdrm	hypo	CHH	-0.0229
Gm11	2683988	2684960	Gmdrm	hypo	CHH	-0.3448
Gm11	2694060	2695038	Gmdrm	hypo	CHH	-0.3923
Gm11	2714038	2715024	Gmdrm	hypo	CHH	-0.0177
Gm11	2720230	2721230	Gmdrm	hypo	CHH	-0.0138
Gm11	2752657	2753353	Gmdrm	hypo	CHH	-0.0231
Gm11	2760243	2761197	Gmdrm	hypo	CHH	-0.0283
Gm11	2765156	2766146	Gmdrm	hypo	CHH	-0.0147
Gm11	2767213	2767708	Gmdrm	hypo	CHH	-0.0287
Gm11	2791363	2792353	Gmdrm	hypo	CHH	-0.0445
Gm11	2792373	2793362	Gmdrm	hypo	CHH	-0.0137
Gm11	2795592	2796590	Gmdrm	hypo	CHH	-0.067
Gm11	2811127	2812121	Gmdrm	hypo	CHH	-0.0229
Gm11	2827068	2828047	Gmdrm	hypo	CHH	-0.081
Gm11	2842420	2843406	Gmdrm	hypo	CHH	-0.1092
Gm11	2845445	2846376	Gmdrm	hypo	CHH	-0.0175
Gm11	2847490	2848488	Gmdrm	hypo	CHH	-0.0303
Gm11	2852281	2853230	Gmdrm	hypo	CHH	-0.0184
Gm11	2853291	2854282	Gmdrm	hypo	CHH	-0.1797
Gm11	2926809	2927150	Gmdrm	hypo	CHH	-0.0726
Gm11	2928290	2928944	Gmdrm	hypo	CHH	-0.0225

Gm11	2940467	2941467 Gmdrm	hypo	CHH	-0.098
Gm11	2941473	2942471 Gmdrm	hypo	CHH	-0.054
Gm11	2952407	2953402 Gmdrm	hypo	CHH	-0.0165
Gm11	2956639	2957638 Gmdrm	hypo	CHH	-0.0162
Gm11	2987001	2987063 Gmdrm	hypo	CHH	-0.045
Gm11	2987907	2988189 Gmdrm	hypo	CHH	-0.0348
Gm11	2993423	2994423 Gmdrm	hypo	CHH	-0.05
Gm11	2994428	2995038 Gmdrm	hypo	CHH	-0.0181
Gm11	3034703	3035703 Gmdrm	hypo	CHH	-0.0677
Gm11	3043358	3044357 Gmdrm	hypo	CHH	-0.0642
Gm11	3048940	3049934 Gmdrm	hypo	CHH	-0.1648
Gm11	3049948	3050948 Gmdrm	hypo	CHH	-0.1588
Gm11	3057718	3058692 Gmdrm	hypo	CHH	-0.0118
Gm11	3059829	3060479 Gmdrm	hypo	CHH	-0.015
Gm11	3062610	3063599 Gmdrm	hypo	CHH	-0.0142
Gm11	3086368	3087366 Gmdrm	hypo	CHH	-0.02
Gm11	3090694	3091689 Gmdrm	hypo	CHH	-0.0293
Gm11	3091696	3092695 Gmdrm	hypo	CHH	-0.1133
Gm11	3092697	3093690 Gmdrm	hypo	CHH	-0.0186
Gm11	3094716	3095714 Gmdrm	hypo	CHH	-0.014
Gm11	3104372	3105360 Gmdrm	hypo	CHH	-0.03
Gm11	3105383	3106377 Gmdrm	hypo	CHH	-0.0148
Gm11	3119109	3120100 Gmdrm	hypo	CHH	-0.0223
Gm11	3129238	3130233 Gmdrm	hypo	CHH	-0.1975
Gm11	3130259	3131246 Gmdrm	hypo	CHH	-0.1319
Gm11	3131267	3132267 Gmdrm	hypo	CHH	-0.1335
Gm11	3132276	3133201 Gmdrm	hypo	CHH	-0.191
Gm11	3138525	3139519 Gmdrm	hypo	CHH	-0.2986
Gm11	3154254	3155250 Gmdrm	hypo	CHH	-0.013
Gm11	3159827	3160825 Gmdrm	hypo	CHH	-0.0298
Gm11	3174700	3175695 Gmdrm	hypo	CHH	-0.0423
Gm11	3175712	3176710 Gmdrm	hypo	CHH	-0.2122
Gm11	3176724	3177721 Gmdrm	hypo	CHH	-0.2467
Gm11	3183606	3184604 Gmdrm	hypo	CHH	-0.0914
Gm11	3184610	3184717 Gmdrm	hypo	CHH	-0.0567
Gm11	3194432	3195425 Gmdrm	hypo	CHH	-0.0405
Gm11	3203465	3204398 Gmdrm	hypo	CHH	-0.0716
Gm11	3208645	3209624 Gmdrm	hypo	CHH	-0.272
Gm11	3210684	3211659 Gmdrm	hypo	CHH	-0.1967
Gm11	3211732	3212724 Gmdrm	hypo	CHH	-0.2387
Gm11	3213755	3214755 Gmdrm	hypo	CHH	-0.4365
Gm11	3219558	3220551 Gmdrm	hypo	CHH	-0.0549
Gm11	3223151	3224151 Gmdrm	hypo	CHH	-0.0992
Gm11	3224152	3225141 Gmdrm	hypo	CHH	-0.0728
Gm11	3229565	3230556 Gmdrm	hypo	CHH	-0.0329
Gm11	3230592	3231458 Gmdrm	hypo	CHH	-0.0369

Gm11	3241009	3241238	Gmdrm	hypo	CHH	-0.0785
Gm11	3252196	3253189	Gmdrm	hypo	CHH	-0.2576
Gm11	3253199	3254198	Gmdrm	hypo	CHH	-0.0808
Gm11	3254202	3255191	Gmdrm	hypo	CHH	-0.0808
Gm11	3267940	3268808	Gmdrm	hypo	CHH	-0.0444
Gm11	3272117	3273113	Gmdrm	hypo	CHH	-0.072
Gm11	3283640	3283922	Gmdrm	hypo	CHH	-0.0291
Gm11	3295284	3296270	Gmdrm	hypo	CHH	-0.0436
Gm11	3296291	3297216	Gmdrm	hypo	CHH	-0.018
Gm11	3300127	3300902	Gmdrm	hypo	CHH	-0.034
Gm11	3310771	3311754	Gmdrm	hypo	CHH	-0.213
Gm11	3312003	3312986	Gmdrm	hypo	CHH	-0.0647
Gm11	3331024	3331892	Gmdrm	hypo	CHH	-0.0206
Gm11	3332070	3332238	Gmdrm	hypo	CHH	-0.0474
Gm11	3364733	3364885	Gmdrm	hypo	CHH	-0.035
Gm11	3368095	3369091	Gmdrm	hypo	CHH	-0.0577
Gm11	3369098	3370096	Gmdrm	hypo	CHH	-0.0433
Gm11	3370099	3371097	Gmdrm	hypo	CHH	-0.0442
Gm11	3371102	3372085	Gmdrm	hypo	CHH	-0.0381
Gm11	3381694	3382691	Gmdrm	hypo	CHH	-0.0198
Gm11	3389646	3390272	Gmdrm	hypo	CHH	-0.0664
Gm11	3392174	3393129	Gmdrm	hypo	CHH	-0.0524
Gm11	3393201	3394199	Gmdrm	hypo	CHH	-0.0863
Gm11	3402999	3403839	Gmdrm	hypo	CHH	-0.0179
Gm11	3405975	3406975	Gmdrm	hypo	CHH	-0.0509
Gm11	3406982	3407973	Gmdrm	hypo	CHH	-0.1015
Gm11	3415650	3416648	Gmdrm	hypo	CHH	-0.1362
Gm11	3416651	3417650	Gmdrm	hypo	CHH	-0.05
Gm11	3421795	3422790	Gmdrm	hypo	CHH	-0.1763
Gm11	3428341	3429319	Gmdrm	hypo	CHH	-0.0207
Gm11	3429783	3430783	Gmdrm	hypo	CHH	-0.1578
Gm11	3430787	3431786	Gmdrm	hypo	CHH	-0.0646
Gm11	3431788	3432787	Gmdrm	hypo	CHH	-0.06
Gm11	3434242	3435235	Gmdrm	hypo	CHH	-0.044
Gm11	3440510	3441492	Gmdrm	hypo	CHH	-0.0642
Gm11	3463456	3464259	Gmdrm	hypo	CHH	-0.0242
Gm11	3465413	3466242	Gmdrm	hypo	CHH	-0.0176
Gm11	3467376	3468370	Gmdrm	hypo	CHH	-0.1167
Gm11	3472425	3473422	Gmdrm	hypo	CHH	-0.0425
Gm11	3480370	3481157	Gmdrm	hypo	CHH	-0.0969
Gm11	3487219	3488204	Gmdrm	hypo	CHH	-0.0623
Gm11	3492801	3492963	Gmdrm	hypo	CHH	-0.066
Gm11	3494709	3495287	Gmdrm	hypo	CHH	-0.0202
Gm11	3501073	3501613	Gmdrm	hypo	CHH	-0.0266
Gm11	3503477	3504475	Gmdrm	hypo	CHH	-0.3566
Gm11	3504482	3505445	Gmdrm	hypo	CHH	-0.0325

Gm11	3506528	3507502	Gmdrm	hypo	CHH	-0.0177
Gm11	3511981	3512980	Gmdrm	hypo	CHH	-0.0445
Gm11	3514361	3514552	Gmdrm	hypo	CHH	-0.0591
Gm11	3516347	3517322	Gmdrm	hypo	CHH	-0.3898
Gm11	3522783	3523782	Gmdrm	hypo	CHH	-0.0733
Gm11	3543203	3544198	Gmdrm	hypo	CHH	-0.2061
Gm11	3547957	3548953	Gmdrm	hypo	CHH	-0.014
Gm11	3593670	3594664	Gmdrm	hypo	CHH	-0.0359
Gm11	3594671	3595649	Gmdrm	hypo	CHH	-0.1108
Gm11	3608360	3609358	Gmdrm	hypo	CHH	-0.059
Gm11	3609364	3610322	Gmdrm	hypo	CHH	-0.0636
Gm11	3625460	3626456	Gmdrm	hypo	CHH	-0.0164
Gm11	3626472	3627422	Gmdrm	hypo	CHH	-0.0179
Gm11	3650065	3651063	Gmdrm	hypo	CHH	-0.0433
Gm11	3655281	3656276	Gmdrm	hypo	CHH	-0.0336
Gm11	3656288	3657285	Gmdrm	hypo	CHH	-0.0798
Gm11	3657289	3658288	Gmdrm	hypo	CHH	-0.0424
Gm11	3658292	3659033	Gmdrm	hypo	CHH	-0.0137
Gm11	3661140	3661553	Gmdrm	hypo	CHH	-0.0484
Gm11	3666915	3667029	Gmdrm	hypo	CHH	-0.0856
Gm11	3691337	3692328	Gmdrm	hypo	CHH	-0.0268
Gm11	3692340	3693334	Gmdrm	hypo	CHH	-0.0609
Gm11	3694860	3695850	Gmdrm	hypo	CHH	-0.1138
Gm11	3696869	3697864	Gmdrm	hypo	CHH	-0.0142
Gm11	3757995	3758989	Gmdrm	hypo	CHH	-0.0229
Gm11	3759002	3759338	Gmdrm	hypo	CHH	-0.1378
Gm11	3759445	3759912	Gmdrm	hypo	CHH	-0.0775
Gm11	3765620	3766246	Gmdrm	hypo	CHH	-0.028
Gm11	3789068	3790053	Gmdrm	hypo	CHH	-0.0127
Gm11	3793168	3794163	Gmdrm	hypo	CHH	-0.0521
Gm11	3799516	3800516	Gmdrm	hypo	CHH	-0.0175
Gm11	3802569	3803544	Gmdrm	hypo	CHH	-0.0205
Gm11	3828230	3829226	Gmdrm	hypo	CHH	-0.251
Gm11	3843398	3844396	Gmdrm	hypo	CHH	-0.0271
Gm11	3844399	3845397	Gmdrm	hypo	CHH	-0.0588
Gm11	3848997	3849993	Gmdrm	hypo	CHH	-0.017
Gm11	3855339	3856336	Gmdrm	hypo	CHH	-0.0094
Gm11	3866860	3867437	Gmdrm	hypo	CHH	-0.0259
Gm11	3870571	3870963	Gmdrm	hypo	CHH	-0.0213
Gm11	3883208	3884038	Gmdrm	hypo	CHH	-0.1863
Gm11	3887500	3888496	Gmdrm	hypo	CHH	-0.0223
Gm11	3890999	3891997	Gmdrm	hypo	CHH	-0.0428
Gm11	3892000	3892757	Gmdrm	hypo	CHH	-0.1002
Gm11	3898356	3899309	Gmdrm	hypo	CHH	-0.0263
Gm11	3902461	3903339	Gmdrm	hypo	CHH	-0.0136
Gm11	3913723	3914166	Gmdrm	hypo	CHH	-0.0392

Gm11	3918251	3919225 Gmdrm	hypo	CHH	-0.05
Gm11	3919277	3920260 Gmdrm	hypo	CHH	-0.0177
Gm11	3957466	3958461 Gmdrm	hypo	CHH	-0.0159
Gm11	3966588	3966944 Gmdrm	hypo	CHH	-0.0196
Gm11	3973688	3974683 Gmdrm	hypo	CHH	-0.0289
Gm11	3974722	3975254 Gmdrm	hypo	CHH	-0.0402
Gm11	3979163	3980131 Gmdrm	hypo	CHH	-0.0193
Gm11	3985619	3986611 Gmdrm	hypo	CHH	-0.0122
Gm11	3991393	3992387 Gmdrm	hypo	CHH	-0.015
Gm11	4007215	4007586 Gmdrm	hypo	CHH	-0.2155
Gm11	4009557	4010547 Gmdrm	hypo	CHH	-0.0215
Gm11	4019958	4020951 Gmdrm	hypo	CHH	-0.2993
Gm11	4023715	4024699 Gmdrm	hypo	CHH	-0.0212
Gm11	4025160	4025821 Gmdrm	hypo	CHH	-0.0247
Gm11	4029833	4030760 Gmdrm	hypo	CHH	-0.2316
Gm11	4030859	4031247 Gmdrm	hypo	CHH	-0.02
Gm11	4038808	4039778 Gmdrm	hypo	CHH	-0.0208
Gm11	4042918	4043847 Gmdrm	hypo	CHH	-0.0139
Gm11	4044220	4045220 Gmdrm	hypo	CHH	-0.0224
Gm11	4047857	4048835 Gmdrm	hypo	CHH	-0.0158
Gm11	4051002	4051996 Gmdrm	hypo	CHH	-0.1863
Gm11	4052004	4052998 Gmdrm	hypo	CHH	-0.0877
Gm11	4053047	4053946 Gmdrm	hypo	CHH	-0.0195
Gm11	4059262	4060247 Gmdrm	hypo	CHH	-0.0357
Gm11	4065780	4066771 Gmdrm	hypo	CHH	-0.0112
Gm11	4070353	4070686 Gmdrm	hypo	CHH	-0.0446
Gm11	4089980	4090972 Gmdrm	hypo	CHH	-0.1056
Gm11	4090981	4091980 Gmdrm	hypo	CHH	-0.1004
Gm11	4094424	4095415 Gmdrm	hypo	CHH	-0.017
Gm11	4097910	4098719 Gmdrm	hypo	CHH	-0.0261
Gm11	4114767	4115750 Gmdrm	hypo	CHH	-0.0295
Gm11	4132243	4133209 Gmdrm	hypo	CHH	-0.1467
Gm11	4136300	4137295 Gmdrm	hypo	CHH	-0.0641
Gm11	4138326	4139306 Gmdrm	hypo	CHH	-0.0615
Gm11	4139329	4140318 Gmdrm	hypo	CHH	-0.0682
Gm11	4140352	4141327 Gmdrm	hypo	CHH	-0.0539
Gm11	4144390	4145386 Gmdrm	hypo	CHH	-0.1391
Gm11	4145409	4146399 Gmdrm	hypo	CHH	-0.1483
Gm11	4148557	4149555 Gmdrm	hypo	CHH	-0.1034
Gm11	4149564	4150509 Gmdrm	hypo	CHH	-0.0914
Gm11	4150789	4151789 Gmdrm	hypo	CHH	-0.0514
Gm11	4151800	4152748 Gmdrm	hypo	CHH	-0.0182
Gm11	4156566	4157519 Gmdrm	hypo	CHH	-0.2283
Gm11	4160130	4161128 Gmdrm	hypo	CHH	-0.0616
Gm11	4164375	4165355 Gmdrm	hypo	CHH	-0.0124
Gm11	4168252	4169056 Gmdrm	hypo	CHH	-0.0248

Gm11	4179421	4180421 Gmdrm	hypo	CHH	-0.1832
Gm11	4197421	4198417 Gmdrm	hypo	CHH	-0.0903
Gm11	4218757	4219757 Gmdrm	hypo	CHH	-0.0197
Gm11	4236486	4237478 Gmdrm	hypo	CHH	-0.0139
Gm11	4241486	4242182 Gmdrm	hypo	CHH	-0.0634
Gm11	4243480	4244436 Gmdrm	hypo	CHH	-0.0331
Gm11	4250536	4251317 Gmdrm	hypo	CHH	-0.0952
Gm11	4251696	4252662 Gmdrm	hypo	CHH	-0.0896
Gm11	4252777	4253577 Gmdrm	hypo	CHH	-0.1004
Gm11	4255028	4256016 Gmdrm	hypo	CHH	-0.0235
Gm11	4256033	4256995 Gmdrm	hypo	CHH	-0.0158
Gm11	4277845	4278821 Gmdrm	hypo	CHH	-0.1937
Gm11	4279172	4279717 Gmdrm	hypo	CHH	-0.05
Gm11	4280092	4280920 Gmdrm	hypo	CHH	-0.0242
Gm11	4284137	4284242 Gmdrm	hypo	CHH	-0.0629
Gm11	4284389	4285382 Gmdrm	hypo	CHH	-0.0661
Gm11	4292724	4293367 Gmdrm	hypo	CHH	-0.027
Gm11	4294760	4295758 Gmdrm	hypo	CHH	-0.0167
Gm11	4302822	4303817 Gmdrm	hypo	CHH	-0.0172
Gm11	4307572	4308560 Gmdrm	hypo	CHH	-0.015
Gm11	4315778	4315856 Gmdrm	hypo	CHH	-0.034
Gm11	4315999	4316992 Gmdrm	hypo	CHH	-0.0138
Gm11	4327001	4328000 Gmdrm	hypo	CHH	-0.0308
Gm11	4329053	4330049 Gmdrm	hypo	CHH	-0.0134
Gm11	4330249	4331249 Gmdrm	hypo	CHH	-0.0724
Gm11	4331273	4332266 Gmdrm	hypo	CHH	-0.0679
Gm11	4370078	4371031 Gmdrm	hypo	CHH	-0.0099
Gm11	4375477	4376477 Gmdrm	hypo	CHH	-0.0543
Gm11	4376483	4377464 Gmdrm	hypo	CHH	-0.0956
Gm11	4378002	4378951 Gmdrm	hypo	CHH	-0.0309
Gm11	4386144	4387143 Gmdrm	hypo	CHH	-0.0141
Gm11	4397281	4398247 Gmdrm	hypo	CHH	-0.1484
Gm11	4429128	4430121 Gmdrm	hypo	CHH	-0.0118
Gm11	4430676	4431670 Gmdrm	hypo	CHH	-0.0112
Gm11	4433706	4434511 Gmdrm	hypo	CHH	-0.0205
Gm11	4440036	4441036 Gmdrm	hypo	CHH	-0.0141
Gm11	4444131	4444370 Gmdrm	hypo	CHH	-0.0544
Gm11	4447374	4448367 Gmdrm	hypo	CHH	-0.0183
Gm11	4451335	4452333 Gmdrm	hypo	CHH	-0.0674
Gm11	4452339	4453323 Gmdrm	hypo	CHH	-0.0759
Gm11	4453358	4454358 Gmdrm	hypo	CHH	-0.0127
Gm11	4470307	4470508 Gmdrm	hypo	CHH	-0.0613
Gm11	4487119	4488118 Gmdrm	hypo	CHH	-0.0871
Gm11	4488126	4489112 Gmdrm	hypo	CHH	-0.0757
Gm11	4501382	4501465 Gmdrm	hypo	CHH	-0.0673
Gm11	4518694	4519694 Gmdrm	hypo	CHH	-0.1143

Gm11	4519707	4520682 Gmdrm	hypo	CHH	-0.1475
Gm11	4535437	4536414 Gmdrm	hypo	CHH	-0.1164
Gm11	4556251	4557250 Gmdrm	hypo	CHH	-0.0522
Gm11	4557607	4558363 Gmdrm	hypo	CHH	-0.1429
Gm11	4560601	4561601 Gmdrm	hypo	CHH	-0.0372
Gm11	4561602	4562558 Gmdrm	hypo	CHH	-0.0281
Gm11	4587998	4588607 Gmdrm	hypo	CHH	-0.0181
Gm11	4621630	4622608 Gmdrm	hypo	CHH	-0.0952
Gm11	4622640	4623638 Gmdrm	hypo	CHH	-0.1034
Gm11	4625546	4625949 Gmdrm	hypo	CHH	-0.0322
Gm11	4627623	4628587 Gmdrm	hypo	CHH	-0.1797
Gm11	4635168	4635955 Gmdrm	hypo	CHH	-0.0999
Gm11	4655933	4656926 Gmdrm	hypo	CHH	-0.3809
Gm11	4662920	4663903 Gmdrm	hypo	CHH	-0.0172
Gm11	4679797	4680794 Gmdrm	hypo	CHH	-0.0249
Gm11	4682831	4682928 Gmdrm	hypo	CHH	-0.038
Gm11	4686622	4687622 Gmdrm	hypo	CHH	-0.0123
Gm11	4694430	4694523 Gmdrm	hypo	CHH	-0.1289
Gm11	4694990	4695506 Gmdrm	hypo	CHH	-0.0445
Gm11	4699168	4700163 Gmdrm	hypo	CHH	-0.0135
Gm11	4711461	4712457 Gmdrm	hypo	CHH	-0.04
Gm11	4713690	4714687 Gmdrm	hypo	CHH	-0.0181
Gm11	4723723	4724717 Gmdrm	hypo	CHH	-0.1563
Gm11	4724724	4725720 Gmdrm	hypo	CHH	-0.0251
Gm11	4733156	4734153 Gmdrm	hypo	CHH	-0.0357
Gm11	4734157	4735119 Gmdrm	hypo	CHH	-0.0795
Gm11	4736922	4737921 Gmdrm	hypo	CHH	-0.1436
Gm11	4737925	4738906 Gmdrm	hypo	CHH	-0.0841
Gm11	4738929	4739280 Gmdrm	hypo	CHH	-0.0295
Gm11	4750109	4751107 Gmdrm	hypo	CHH	-0.0361
Gm11	4751110	4752110 Gmdrm	hypo	CHH	-0.1422
Gm11	4762216	4763206 Gmdrm	hypo	CHH	-0.0204
Gm11	4765079	4765692 Gmdrm	hypo	CHH	-0.0239
Gm11	4765806	4766068 Gmdrm	hypo	CHH	-0.0656
Gm11	4780744	4781744 Gmdrm	hypo	CHH	-0.0377
Gm11	4781765	4782757 Gmdrm	hypo	CHH	-0.094
Gm11	4782766	4783745 Gmdrm	hypo	CHH	-0.0441
Gm11	4796127	4797117 Gmdrm	hypo	CHH	-0.0166
Gm11	4797131	4797913 Gmdrm	hypo	CHH	-0.2455
Gm11	4810085	4811085 Gmdrm	hypo	CHH	-0.0915
Gm11	4811089	4812070 Gmdrm	hypo	CHH	-0.0281
Gm11	4818698	4819690 Gmdrm	hypo	CHH	-0.0263
Gm11	4825566	4826546 Gmdrm	hypo	CHH	-0.0493
Gm11	4833389	4834380 Gmdrm	hypo	CHH	-0.0257
Gm11	4834392	4835348 Gmdrm	hypo	CHH	-0.0917
Gm11	4837197	4838188 Gmdrm	hypo	CHH	-0.1754

Gm11	4844232	4845209	Gmdrm	hypo	CHH	-0.0173
Gm11	4847260	4848246	Gmdrm	hypo	CHH	-0.1102
Gm11	4848271	4849268	Gmdrm	hypo	CHH	-0.1191
Gm11	4849275	4850245	Gmdrm	hypo	CHH	-0.0887
Gm11	4850371	4851371	Gmdrm	hypo	CHH	-0.0189
Gm11	4851373	4852349	Gmdrm	hypo	CHH	-0.0417
Gm11	4857734	4858729	Gmdrm	hypo	CHH	-0.0351
Gm11	4858745	4859733	Gmdrm	hypo	CHH	-0.1069
Gm11	4859746	4860738	Gmdrm	hypo	CHH	-0.0606
Gm11	4871734	4872732	Gmdrm	hypo	CHH	-0.0575
Gm11	4879346	4879678	Gmdrm	hypo	CHH	-0.1473
Gm11	4883519	4884515	Gmdrm	hypo	CHH	-0.1124
Gm11	4884520	4885517	Gmdrm	hypo	CHH	-0.2043
Gm11	4885521	4886231	Gmdrm	hypo	CHH	-0.1326
Gm11	4903035	4904034	Gmdrm	hypo	CHH	-0.0245
Gm11	4904075	4905057	Gmdrm	hypo	CHH	-0.0328
Gm11	4905100	4906048	Gmdrm	hypo	CHH	-0.019
Gm11	4906118	4907117	Gmdrm	hypo	CHH	-0.0898
Gm11	4907123	4908123	Gmdrm	hypo	CHH	-0.0808
Gm11	4908169	4908501	Gmdrm	hypo	CHH	-0.1
Gm11	4912263	4913231	Gmdrm	hypo	CHH	-0.05
Gm11	4916428	4917394	Gmdrm	hypo	CHH	-0.0287
Gm11	4930863	4931857	Gmdrm	hypo	CHH	-0.0989
Gm11	4931865	4932864	Gmdrm	hypo	CHH	-0.0759
Gm11	4932867	4933455	Gmdrm	hypo	CHH	-0.0211
Gm11	4934407	4935289	Gmdrm	hypo	CHH	-0.0182
Gm11	4936424	4937399	Gmdrm	hypo	CHH	-0.012
Gm11	4941490	4942489	Gmdrm	hypo	CHH	-0.0653
Gm11	4943499	4944495	Gmdrm	hypo	CHH	-0.1967
Gm11	4954932	4955904	Gmdrm	hypo	CHH	-0.0324
Gm11	4955966	4956966	Gmdrm	hypo	CHH	-0.0821
Gm11	4972882	4973881	Gmdrm	hypo	CHH	-0.1176
Gm11	4974890	4975888	Gmdrm	hypo	CHH	-0.0405
Gm11	4975919	4976919	Gmdrm	hypo	CHH	-0.1663
Gm11	4990792	4991751	Gmdrm	hypo	CHH	-0.116
Gm11	4991798	4992792	Gmdrm	hypo	CHH	-0.0593
Gm11	4997815	4998814	Gmdrm	hypo	CHH	-0.0863
Gm11	5003324	5004297	Gmdrm	hypo	CHH	-0.0191
Gm11	5014627	5015625	Gmdrm	hypo	CHH	-0.0373
Gm11	5019394	5020390	Gmdrm	hypo	CHH	-0.03
Gm11	5020425	5021401	Gmdrm	hypo	CHH	-0.0147
Gm11	5022444	5023359	Gmdrm	hypo	CHH	-0.3542
Gm11	5068567	5069537	Gmdrm	hypo	CHH	-0.0228
Gm11	5075832	5076822	Gmdrm	hypo	CHH	-0.2196
Gm11	5076849	5077833	Gmdrm	hypo	CHH	-0.0232
Gm11	5094229	5095214	Gmdrm	hypo	CHH	-0.02

Gm11	5099414	5100412 Gmdrm	hypo	CHH	-0.0835
Gm11	5100419	5101418 Gmdrm	hypo	CHH	-0.1063
Gm11	5102520	5103485 Gmdrm	hypo	CHH	-0.0166
Gm11	5106568	5107555 Gmdrm	hypo	CHH	-0.0253
Gm11	5113584	5113741 Gmdrm	hypo	CHH	-0.0583
Gm11	5116343	5117341 Gmdrm	hypo	CHH	-0.4869
Gm11	5117351	5118320 Gmdrm	hypo	CHH	-0.0237
Gm11	5126445	5127435 Gmdrm	hypo	CHH	-0.2088
Gm11	5128295	5129281 Gmdrm	hypo	CHH	-0.1035
Gm11	5139661	5140657 Gmdrm	hypo	CHH	-0.0226
Gm11	5144323	5145319 Gmdrm	hypo	CHH	-0.0121
Gm11	5146928	5147210 Gmdrm	hypo	CHH	-0.0344
Gm11	5148809	5149786 Gmdrm	hypo	CHH	-0.0561
Gm11	5152642	5153024 Gmdrm	hypo	CHH	-0.0273
Gm11	5158927	5159228 Gmdrm	hypo	CHH	-0.0308
Gm11	5161011	5161989 Gmdrm	hypo	CHH	-0.0893
Gm11	5196551	5197529 Gmdrm	hypo	CHH	-0.0151
Gm11	5215974	5216971 Gmdrm	hypo	CHH	-0.1044
Gm11	5216977	5217331 Gmdrm	hypo	CHH	-0.0273
Gm11	5221536	5222535 Gmdrm	hypo	CHH	-0.0155
Gm11	5233455	5234382 Gmdrm	hypo	CHH	-0.0889
Gm11	5246221	5246896 Gmdrm	hypo	CHH	-0.1008
Gm11	5247856	5248846 Gmdrm	hypo	CHH	-0.1877
Gm11	5249895	5250644 Gmdrm	hypo	CHH	-0.0142
Gm11	5250756	5251747 Gmdrm	hypo	CHH	-0.014
Gm11	5260822	5261821 Gmdrm	hypo	CHH	-0.0169
Gm11	5267814	5267967 Gmdrm	hypo	CHH	-0.0411
Gm11	5270100	5271042 Gmdrm	hypo	CHH	-0.0222
Gm11	5301639	5302637 Gmdrm	hypo	CHH	-0.0293
Gm11	5302643	5303270 Gmdrm	hypo	CHH	-0.0384
Gm11	5304847	5305847 Gmdrm	hypo	CHH	-0.0265
Gm11	5306875	5307843 Gmdrm	hypo	CHH	-0.0751
Gm11	5320535	5321522 Gmdrm	hypo	CHH	-0.0197
Gm11	5337155	5338150 Gmdrm	hypo	CHH	-0.0567
Gm11	5339805	5340803 Gmdrm	hypo	CHH	-0.1907
Gm11	5340822	5341822 Gmdrm	hypo	CHH	-0.0963
Gm11	5341826	5342811 Gmdrm	hypo	CHH	-0.0201
Gm11	5342839	5343753 Gmdrm	hypo	CHH	-0.0342
Gm11	5348199	5349181 Gmdrm	hypo	CHH	-0.0163
Gm11	5357079	5358059 Gmdrm	hypo	CHH	-0.0183
Gm11	5366746	5367636 Gmdrm	hypo	CHH	-0.0234
Gm11	5383887	5384887 Gmdrm	hypo	CHH	-0.0473
Gm11	5384903	5385832 Gmdrm	hypo	CHH	-0.0815
Gm11	5385951	5386936 Gmdrm	hypo	CHH	-0.0204
Gm11	5386958	5387954 Gmdrm	hypo	CHH	-0.15
Gm11	5387974	5388932 Gmdrm	hypo	CHH	-0.0477

Gm11	5388995	5389990 Gmdrm	hypo	CHH	-0.0193
Gm11	5390002	5390940 Gmdrm	hypo	CHH	-0.0288
Gm11	5394219	5395197 Gmdrm	hypo	CHH	-0.0183
Gm11	5401154	5402144 Gmdrm	hypo	CHH	-0.0528
Gm11	5402160	5403159 Gmdrm	hypo	CHH	-0.0678
Gm11	5436322	5437320 Gmdrm	hypo	CHH	-0.1939
Gm11	5437324	5438286 Gmdrm	hypo	CHH	-0.3157
Gm11	5438344	5439339 Gmdrm	hypo	CHH	-0.0196
Gm11	5442102	5443095 Gmdrm	hypo	CHH	-0.1109
Gm11	5443113	5443187 Gmdrm	hypo	CHH	-0.098
Gm11	5443298	5444256 Gmdrm	hypo	CHH	-0.0505
Gm11	5452316	5453316 Gmdrm	hypo	CHH	-0.3102
Gm11	5453317	5454306 Gmdrm	hypo	CHH	-0.2561
Gm11	5462330	5463328 Gmdrm	hypo	CHH	-0.1854
Gm11	5463333	5464332 Gmdrm	hypo	CHH	-0.1728
Gm11	5484728	5485725 Gmdrm	hypo	CHH	-0.0196
Gm11	5494759	5495754 Gmdrm	hypo	CHH	-0.0174
Gm11	5495765	5496757 Gmdrm	hypo	CHH	-0.1898
Gm11	5496772	5497769 Gmdrm	hypo	CHH	-0.2639
Gm11	5500765	5501745 Gmdrm	hypo	CHH	-0.0142
Gm11	5512158	5512632 Gmdrm	hypo	CHH	-0.0939
Gm11	5518768	5519751 Gmdrm	hypo	CHH	-0.0217
Gm11	5525969	5526881 Gmdrm	hypo	CHH	-0.0163
Gm11	5537132	5537250 Gmdrm	hypo	CHH	-0.1268
Gm11	5549268	5550266 Gmdrm	hypo	CHH	-0.0187
Gm11	5550269	5551212 Gmdrm	hypo	CHH	-0.0299
Gm11	5551281	5552276 Gmdrm	hypo	CHH	-0.0562
Gm11	5552283	5553240 Gmdrm	hypo	CHH	-0.0733
Gm11	5563542	5564535 Gmdrm	hypo	CHH	-0.0137
Gm11	5571700	5572547 Gmdrm	hypo	CHH	-0.0903
Gm11	5580544	5581537 Gmdrm	hypo	CHH	-0.0232
Gm11	5582552	5583544 Gmdrm	hypo	CHH	-0.0194
Gm11	5586951	5587885 Gmdrm	hypo	CHH	-0.14
Gm11	5589638	5590635 Gmdrm	hypo	CHH	-0.1875
Gm11	5594698	5595679 Gmdrm	hypo	CHH	-0.0235
Gm11	5597847	5598047 Gmdrm	hypo	CHH	-0.0378
Gm11	5608680	5609678 Gmdrm	hypo	CHH	-0.0152
Gm11	5614327	5615326 Gmdrm	hypo	CHH	-0.0391
Gm11	5626534	5627051 Gmdrm	hypo	CHH	-0.061
Gm11	5668945	5669904 Gmdrm	hypo	CHH	-0.0701
Gm11	5674021	5675018 Gmdrm	hypo	CHH	-0.0148
Gm11	5675026	5675516 Gmdrm	hypo	CHH	-0.0934
Gm11	5678203	5679200 Gmdrm	hypo	CHH	-0.023
Gm11	5679204	5679273 Gmdrm	hypo	CHH	-0.066
Gm11	5680863	5680938 Gmdrm	hypo	CHH	-0.08
Gm11	5691933	5692915 Gmdrm	hypo	CHH	-0.0196

Gm11	5705508	5706508 Gmdrm	hypo	CHH	-0.0142
Gm11	5714690	5715663 Gmdrm	hypo	CHH	-0.1353
Gm11	5718642	5719641 Gmdrm	hypo	CHH	-0.0131
Gm11	5722662	5723657 Gmdrm	hypo	CHH	-0.1754
Gm11	5723663	5724634 Gmdrm	hypo	CHH	-0.0873
Gm11	5731769	5732767 Gmdrm	hypo	CHH	-0.016
Gm11	5732774	5733748 Gmdrm	hypo	CHH	-0.0868
Gm11	5736334	5737302 Gmdrm	hypo	CHH	-0.0256
Gm11	5739760	5740754 Gmdrm	hypo	CHH	-0.1251
Gm11	5774613	5775251 Gmdrm	hypo	CHH	-0.0346
Gm11	5777255	5778243 Gmdrm	hypo	CHH	-0.051
Gm11	5798898	5799898 Gmdrm	hypo	CHH	-0.013
Gm11	5804230	5805229 Gmdrm	hypo	CHH	-0.0715
Gm11	5812792	5813791 Gmdrm	hypo	CHH	-0.0185
Gm11	5814222	5814803 Gmdrm	hypo	CHH	-0.0174
Gm11	5819645	5820087 Gmdrm	hypo	CHH	-0.1565
Gm11	5822221	5823204 Gmdrm	hypo	CHH	-0.0387
Gm11	5823222	5824200 Gmdrm	hypo	CHH	-0.1091
Gm11	5824234	5825230 Gmdrm	hypo	CHH	-0.021
Gm11	5835019	5836006 Gmdrm	hypo	CHH	-0.1006
Gm11	5845079	5845402 Gmdrm	hypo	CHH	-0.0229
Gm11	5845525	5845615 Gmdrm	hypo	CHH	-0.3686
Gm11	5855070	5856041 Gmdrm	hypo	CHH	-0.3416
Gm11	5867835	5868832 Gmdrm	hypo	CHH	-0.0202
Gm11	5868846	5869457 Gmdrm	hypo	CHH	-0.0397
Gm11	5871287	5871622 Gmdrm	hypo	CHH	-0.0461
Gm11	5875721	5876715 Gmdrm	hypo	CHH	-0.0101
Gm11	5883094	5884092 Gmdrm	hypo	CHH	-0.0193
Gm11	5887209	5888144 Gmdrm	hypo	CHH	-0.0205
Gm11	5897063	5898050 Gmdrm	hypo	CHH	-0.0191
Gm11	5900143	5901132 Gmdrm	hypo	CHH	-0.022
Gm11	5909611	5910609 Gmdrm	hypo	CHH	-0.1578
Gm11	5910612	5911361 Gmdrm	hypo	CHH	-0.1374
Gm11	5915835	5916658 Gmdrm	hypo	CHH	-0.0202
Gm11	5921329	5922329 Gmdrm	hypo	CHH	-0.0239
Gm11	5922330	5923321 Gmdrm	hypo	CHH	-0.0534
Gm11	5941293	5941808 Gmdrm	hypo	CHH	-0.049
Gm11	5949321	5950315 Gmdrm	hypo	CHH	-0.0117
Gm11	5958156	5959129 Gmdrm	hypo	CHH	-0.0532
Gm11	5959166	5960033 Gmdrm	hypo	CHH	-0.0689
Gm11	5960316	5961309 Gmdrm	hypo	CHH	-0.1025
Gm11	5975777	5976369 Gmdrm	hypo	CHH	-0.0175
Gm11	5986450	5987440 Gmdrm	hypo	CHH	-0.0457
Gm11	5988481	5989476 Gmdrm	hypo	CHH	-0.034
Gm11	5990494	5991004 Gmdrm	hypo	CHH	-0.0233
Gm11	5992551	5993528 Gmdrm	hypo	CHH	-0.1929

Gm11	5997630	5998609 Gmdrm	hypo	CHH	-0.0434
Gm11	6004823	6005819 Gmdrm	hypo	CHH	-0.0931
Gm11	6005824	6006013 Gmdrm	hypo	CHH	-0.1206
Gm11	6015988	6016988 Gmdrm	hypo	CHH	-0.1146
Gm11	6016989	6017980 Gmdrm	hypo	CHH	-0.0863
Gm11	6024589	6025588 Gmdrm	hypo	CHH	-0.2007
Gm11	6047366	6048356 Gmdrm	hypo	CHH	-0.0257
Gm11	6048370	6049362 Gmdrm	hypo	CHH	-0.1634
Gm11	6049371	6049759 Gmdrm	hypo	CHH	-0.4077
Gm11	6053973	6054017 Gmdrm	hypo	CHH	-0.078
Gm11	6063790	6064782 Gmdrm	hypo	CHH	-0.1911
Gm11	6064797	6065795 Gmdrm	hypo	CHH	-0.297
Gm11	6066819	6067818 Gmdrm	hypo	CHH	-0.0632
Gm11	6067820	6068813 Gmdrm	hypo	CHH	-0.0379
Gm11	6069872	6070862 Gmdrm	hypo	CHH	-0.0493
Gm11	6070882	6071881 Gmdrm	hypo	CHH	-0.1061
Gm11	6073895	6074876 Gmdrm	hypo	CHH	-0.0336
Gm11	6080763	6081003 Gmdrm	hypo	CHH	-0.052
Gm11	6090007	6090317 Gmdrm	hypo	CHH	-0.0437
Gm11	6097641	6098640 Gmdrm	hypo	CHH	-0.1072
Gm11	6104349	6105345 Gmdrm	hypo	CHH	-0.2479
Gm11	6107284	6107778 Gmdrm	hypo	CHH	-0.0458
Gm11	6113981	6114972 Gmdrm	hypo	CHH	-0.0949
Gm11	6118017	6119006 Gmdrm	hypo	CHH	-0.0548
Gm11	6126557	6127171 Gmdrm	hypo	CHH	-0.0225
Gm11	6132690	6133679 Gmdrm	hypo	CHH	-0.0158
Gm11	6154620	6155607 Gmdrm	hypo	CHH	-0.0172
Gm11	6156665	6157662 Gmdrm	hypo	CHH	-0.0141
Gm11	6158120	6159040 Gmdrm	hypo	CHH	-0.0178
Gm11	6160437	6160532 Gmdrm	hypo	CHH	-0.084
Gm11	6174806	6175803 Gmdrm	hypo	CHH	-0.0349
Gm11	6187149	6188130 Gmdrm	hypo	CHH	-0.0131
Gm11	6189170	6189606 Gmdrm	hypo	CHH	-0.0211
Gm11	6194625	6195580 Gmdrm	hypo	CHH	-0.0129
Gm11	6198881	6199561 Gmdrm	hypo	CHH	-0.0174
Gm11	6210692	6211687 Gmdrm	hypo	CHH	-0.073
Gm11	6211700	6212697 Gmdrm	hypo	CHH	-0.0497
Gm11	6227368	6228342 Gmdrm	hypo	CHH	-0.0247
Gm11	6232037	6233035 Gmdrm	hypo	CHH	-0.0489
Gm11	6234435	6235417 Gmdrm	hypo	CHH	-0.0185
Gm11	6236765	6237751 Gmdrm	hypo	CHH	-0.0757
Gm11	6242815	6243319 Gmdrm	hypo	CHH	-0.0262
Gm11	6276543	6277515 Gmdrm	hypo	CHH	-0.0136
Gm11	6277547	6278546 Gmdrm	hypo	CHH	-0.07
Gm11	6280337	6281314 Gmdrm	hypo	CHH	-0.0583
Gm11	6288802	6289191 Gmdrm	hypo	CHH	-0.0455

Gm11	6293554	6294526	Gmdrm	hypo	CHH	-0.0139
Gm11	6303151	6303188	Gmdrm	hypo	CHH	-0.2
Gm11	6328321	6329313	Gmdrm	hypo	CHH	-0.0253
Gm11	6334705	6335679	Gmdrm	hypo	CHH	-0.0151
Gm11	6339414	6340407	Gmdrm	hypo	CHH	-0.0852
Gm11	6340427	6341418	Gmdrm	hypo	CHH	-0.05
Gm11	6358706	6359705	Gmdrm	hypo	CHH	-0.0122
Gm11	6359742	6359925	Gmdrm	hypo	CHH	-0.0313
Gm11	6365368	6366366	Gmdrm	hypo	CHH	-0.0801
Gm11	6366369	6367363	Gmdrm	hypo	CHH	-0.0613
Gm11	6369520	6370041	Gmdrm	hypo	CHH	-0.0139
Gm11	6379226	6379965	Gmdrm	hypo	CHH	-0.0216
Gm11	6380101	6381092	Gmdrm	hypo	CHH	-0.0119
Gm11	6391732	6392672	Gmdrm	hypo	CHH	-0.0245
Gm11	6406577	6407572	Gmdrm	hypo	CHH	-0.0294
Gm11	6411043	6411248	Gmdrm	hypo	CHH	-0.0265
Gm11	6428704	6429681	Gmdrm	hypo	CHH	-0.0191
Gm11	6430779	6431769	Gmdrm	hypo	CHH	-0.0223
Gm11	6441042	6442022	Gmdrm	hypo	CHH	-0.0529
Gm11	6446608	6447582	Gmdrm	hypo	CHH	-0.0096
Gm11	6469956	6470779	Gmdrm	hypo	CHH	-0.0176
Gm11	6494243	6495209	Gmdrm	hypo	CHH	-0.0186
Gm11	6506051	6506192	Gmdrm	hypo	CHH	-0.0338
Gm11	6506320	6507298	Gmdrm	hypo	CHH	-0.1028
Gm11	6512295	6513277	Gmdrm	hypo	CHH	-0.243
Gm11	6514123	6515122	Gmdrm	hypo	CHH	-0.0136
Gm11	6523949	6524949	Gmdrm	hypo	CHH	-0.036
Gm11	6524952	6525919	Gmdrm	hypo	CHH	-0.0339
Gm11	6539230	6540225	Gmdrm	hypo	CHH	-0.0605
Gm11	6542727	6543708	Gmdrm	hypo	CHH	-0.0155
Gm11	6549003	6549662	Gmdrm	hypo	CHH	-0.035
Gm11	6552463	6553135	Gmdrm	hypo	CHH	-0.0795
Gm11	6560364	6561288	Gmdrm	hypo	CHH	-0.0159
Gm11	6561380	6562380	Gmdrm	hypo	CHH	-0.0861
Gm11	6562382	6563375	Gmdrm	hypo	CHH	-0.0802
Gm11	6564426	6565011	Gmdrm	hypo	CHH	-0.0147
Gm11	6576460	6577460	Gmdrm	hypo	CHH	-0.0469
Gm11	6577465	6578452	Gmdrm	hypo	CHH	-0.0718
Gm11	6584346	6584505	Gmdrm	hypo	CHH	-0.0462
Gm11	6587850	6588815	Gmdrm	hypo	CHH	-0.0179
Gm11	6596243	6597241	Gmdrm	hypo	CHH	-0.011
Gm11	6597256	6598255	Gmdrm	hypo	CHH	-0.0293
Gm11	6606936	6607929	Gmdrm	hypo	CHH	-0.1762
Gm11	6607939	6608934	Gmdrm	hypo	CHH	-0.0737
Gm11	6611757	6612644	Gmdrm	hypo	CHH	-0.106
Gm11	6619760	6620755	Gmdrm	hypo	CHH	-0.0173

Gm11	6628056	6629017 Gmdrm	hypo	CHH	-0.2009
Gm11	6632268	6633245 Gmdrm	hypo	CHH	-0.0127
Gm11	6633272	6634260 Gmdrm	hypo	CHH	-0.0285
Gm11	6645763	6646761 Gmdrm	hypo	CHH	-0.1847
Gm11	6646770	6647481 Gmdrm	hypo	CHH	-0.038
Gm11	6650653	6651608 Gmdrm	hypo	CHH	-0.0166
Gm11	6657043	6657888 Gmdrm	hypo	CHH	-0.0567
Gm11	6658130	6659107 Gmdrm	hypo	CHH	-0.0308
Gm11	6664017	6664983 Gmdrm	hypo	CHH	-0.0152
Gm11	6665057	6666051 Gmdrm	hypo	CHH	-0.1813
Gm11	6674005	6675005 Gmdrm	hypo	CHH	-0.0307
Gm11	6675010	6676008 Gmdrm	hypo	CHH	-0.0116
Gm11	6676022	6677014 Gmdrm	hypo	CHH	-0.1311
Gm11	6677039	6677866 Gmdrm	hypo	CHH	-0.083
Gm11	6701414	6702373 Gmdrm	hypo	CHH	-0.0394
Gm11	6703104	6704090 Gmdrm	hypo	CHH	-0.0239
Gm11	6711258	6711763 Gmdrm	hypo	CHH	-0.1318
Gm11	6714443	6715441 Gmdrm	hypo	CHH	-0.1565
Gm11	6715445	6716434 Gmdrm	hypo	CHH	-0.0661
Gm11	6725866	6726866 Gmdrm	hypo	CHH	-0.0366
Gm11	6733986	6734978 Gmdrm	hypo	CHH	-0.0339
Gm11	6734999	6735976 Gmdrm	hypo	CHH	-0.0519
Gm11	6736017	6737010 Gmdrm	hypo	CHH	-0.0406
Gm11	6739861	6740856 Gmdrm	hypo	CHH	-0.0811
Gm11	6744830	6745802 Gmdrm	hypo	CHH	-0.0328
Gm11	6745871	6746189 Gmdrm	hypo	CHH	-0.0858
Gm11	6781133	6781482 Gmdrm	hypo	CHH	-0.0173
Gm11	6805902	6806118 Gmdrm	hypo	CHH	-0.0366
Gm11	6809436	6810431 Gmdrm	hypo	CHH	-0.0197
Gm11	6819430	6820050 Gmdrm	hypo	CHH	-0.0148
Gm11	6822510	6823507 Gmdrm	hypo	CHH	-0.1627
Gm11	6849905	6850175 Gmdrm	hypo	CHH	-0.0318
Gm11	6851704	6852174 Gmdrm	hypo	CHH	-0.0118
Gm11	6871638	6871770 Gmdrm	hypo	CHH	-0.0567
Gm11	6876301	6877187 Gmdrm	hypo	CHH	-0.0323
Gm11	6890276	6891262 Gmdrm	hypo	CHH	-0.0382
Gm11	6891277	6892277 Gmdrm	hypo	CHH	-0.0551
Gm11	6892278	6893263 Gmdrm	hypo	CHH	-0.074
Gm11	6901072	6902072 Gmdrm	hypo	CHH	-0.0426
Gm11	6924793	6925791 Gmdrm	hypo	CHH	-0.029
Gm11	6928870	6929865 Gmdrm	hypo	CHH	-0.01
Gm11	6939468	6940456 Gmdrm	hypo	CHH	-0.097
Gm11	6942820	6943813 Gmdrm	hypo	CHH	-0.0728
Gm11	6944881	6945874 Gmdrm	hypo	CHH	-0.0364
Gm11	6945890	6946889 Gmdrm	hypo	CHH	-0.0274
Gm11	6950849	6951311 Gmdrm	hypo	CHH	-0.0582

Gm11	6953319	6954319 Gmdrm	hypo	CHH	-0.0414
Gm11	6975917	6976905 Gmdrm	hypo	CHH	-0.0163
Gm11	6983002	6984000 Gmdrm	hypo	CHH	-0.0134
Gm11	6996826	6997267 Gmdrm	hypo	CHH	-0.0316
Gm11	7005160	7005934 Gmdrm	hypo	CHH	-0.2617
Gm11	7007723	7008691 Gmdrm	hypo	CHH	-0.019
Gm11	7015594	7015741 Gmdrm	hypo	CHH	-0.0656
Gm11	7019349	7020337 Gmdrm	hypo	CHH	-0.0156
Gm11	7020353	7021343 Gmdrm	hypo	CHH	-0.0275
Gm11	7021357	7022351 Gmdrm	hypo	CHH	-0.0166
Gm11	7022374	7023362 Gmdrm	hypo	CHH	-0.0359
Gm11	7026665	7026879 Gmdrm	hypo	CHH	-0.06
Gm11	7028019	7028979 Gmdrm	hypo	CHH	-0.0143
Gm11	7032061	7032803 Gmdrm	hypo	CHH	-0.0193
Gm11	7040832	7041168 Gmdrm	hypo	CHH	-0.0441
Gm11	7045633	7046633 Gmdrm	hypo	CHH	-0.0419
Gm11	7046642	7047642 Gmdrm	hypo	CHH	-0.057
Gm11	7056597	7057350 Gmdrm	hypo	CHH	-0.0304
Gm11	7068977	7069975 Gmdrm	hypo	CHH	-0.0198
Gm11	7099168	7100139 Gmdrm	hypo	CHH	-0.0319
Gm11	7100198	7101177 Gmdrm	hypo	CHH	-0.0247
Gm11	7102442	7103403 Gmdrm	hypo	CHH	-0.0205
Gm11	7124644	7125088 Gmdrm	hypo	CHH	-0.0338
Gm11	7134416	7135415 Gmdrm	hypo	CHH	-0.0758
Gm11	7147386	7148382 Gmdrm	hypo	CHH	-0.0176
Gm11	7167313	7168309 Gmdrm	hypo	CHH	-0.0173
Gm11	7192719	7193201 Gmdrm	hypo	CHH	-0.02
Gm11	7208055	7209045 Gmdrm	hypo	CHH	-0.0155
Gm11	7214683	7215673 Gmdrm	hypo	CHH	-0.0335
Gm11	7217711	7218707 Gmdrm	hypo	CHH	-0.0261
Gm11	7229029	7229158 Gmdrm	hypo	CHH	-0.2222
Gm11	7231169	7231966 Gmdrm	hypo	CHH	-0.034
Gm11	7237602	7238594 Gmdrm	hypo	CHH	-0.0204
Gm11	7248191	7249187 Gmdrm	hypo	CHH	-0.1114
Gm11	7249192	7250178 Gmdrm	hypo	CHH	-0.247
Gm11	7250199	7251199 Gmdrm	hypo	CHH	-0.016
Gm11	7251211	7252209 Gmdrm	hypo	CHH	-0.157
Gm11	7252214	7253194 Gmdrm	hypo	CHH	-0.0686
Gm11	7253239	7254080 Gmdrm	hypo	CHH	-0.1067
Gm11	7254226	7255223 Gmdrm	hypo	CHH	-0.0974
Gm11	7281516	7282504 Gmdrm	hypo	CHH	-0.0122
Gm11	7282527	7283521 Gmdrm	hypo	CHH	-0.025
Gm11	7284545	7285538 Gmdrm	hypo	CHH	-0.0188
Gm11	7303558	7304522 Gmdrm	hypo	CHH	-0.1625
Gm11	7306314	7307276 Gmdrm	hypo	CHH	-0.0523
Gm11	7308800	7309797 Gmdrm	hypo	CHH	-0.0942

Gm11	7319056	7320056 Gmdrm	hypo	CHH	-0.023
Gm11	7324844	7325830 Gmdrm	hypo	CHH	-0.0901
Gm11	7325848	7326847 Gmdrm	hypo	CHH	-0.0642
Gm11	7326857	7327857 Gmdrm	hypo	CHH	-0.011
Gm11	7333353	7334344 Gmdrm	hypo	CHH	-0.0134
Gm11	7353353	7354340 Gmdrm	hypo	CHH	-0.028
Gm11	7364458	7365458 Gmdrm	hypo	CHH	-0.0146
Gm11	7365461	7366423 Gmdrm	hypo	CHH	-0.0731
Gm11	7366476	7367014 Gmdrm	hypo	CHH	-0.0209
Gm11	7392174	7392933 Gmdrm	hypo	CHH	-0.0631
Gm11	7410889	7411887 Gmdrm	hypo	CHH	-0.1922
Gm11	7416788	7417786 Gmdrm	hypo	CHH	-0.0485
Gm11	7417805	7418202 Gmdrm	hypo	CHH	-0.0312
Gm11	7432078	7433072 Gmdrm	hypo	CHH	-0.0182
Gm11	7436366	7437366 Gmdrm	hypo	CHH	-0.0143
Gm11	7470039	7471024 Gmdrm	hypo	CHH	-0.0275
Gm11	7483278	7484271 Gmdrm	hypo	CHH	-0.0546
Gm11	7487323	7488322 Gmdrm	hypo	CHH	-0.0251
Gm11	7492270	7493233 Gmdrm	hypo	CHH	-0.0193
Gm11	7495474	7496455 Gmdrm	hypo	CHH	-0.0333
Gm11	7502579	7503571 Gmdrm	hypo	CHH	-0.0171
Gm11	7504585	7505583 Gmdrm	hypo	CHH	-0.036
Gm11	7505598	7506452 Gmdrm	hypo	CHH	-0.0336
Gm11	7513433	7514431 Gmdrm	hypo	CHH	-0.2032
Gm11	7514439	7515412 Gmdrm	hypo	CHH	-0.1677
Gm11	7526791	7527791 Gmdrm	hypo	CHH	-0.0119
Gm11	7531053	7532012 Gmdrm	hypo	CHH	-0.1022
Gm11	7533073	7533323 Gmdrm	hypo	CHH	-0.1731
Gm11	7538021	7539016 Gmdrm	hypo	CHH	-0.0296
Gm11	7545670	7546670 Gmdrm	hypo	CHH	-0.028
Gm11	7549718	7550361 Gmdrm	hypo	CHH	-0.0163
Gm11	7550473	7551471 Gmdrm	hypo	CHH	-0.0142
Gm11	7558109	7559093 Gmdrm	hypo	CHH	-0.0147
Gm11	7559920	7560917 Gmdrm	hypo	CHH	-0.0232
Gm11	7570066	7571054 Gmdrm	hypo	CHH	-0.0122
Gm11	7572039	7573035 Gmdrm	hypo	CHH	-0.0197
Gm11	7577811	7578771 Gmdrm	hypo	CHH	-0.0294
Gm11	7578813	7579785 Gmdrm	hypo	CHH	-0.0399
Gm11	7582691	7583577 Gmdrm	hypo	CHH	-0.0339
Gm11	7588883	7589345 Gmdrm	hypo	CHH	-0.0404
Gm11	7591838	7592833 Gmdrm	hypo	CHH	-0.0184
Gm11	7625758	7626756 Gmdrm	hypo	CHH	-0.0117
Gm11	7626759	7627751 Gmdrm	hypo	CHH	-0.0309
Gm11	7634316	7635252 Gmdrm	hypo	CHH	-0.0244
Gm11	7635366	7636363 Gmdrm	hypo	CHH	-0.0131
Gm11	7655007	7655998 Gmdrm	hypo	CHH	-0.0295

Gm11	7656017	7657002 Gmdrm	hypo	CHH	-0.0652
Gm11	7671373	7672316 Gmdrm	hypo	CHH	-0.073
Gm11	7672507	7672811 Gmdrm	hypo	CHH	-0.0915
Gm11	7709984	7710571 Gmdrm	hypo	CHH	-0.083
Gm11	7726069	7727051 Gmdrm	hypo	CHH	-0.032
Gm11	7762744	7763742 Gmdrm	hypo	CHH	-0.0377
Gm11	7763752	7764750 Gmdrm	hypo	CHH	-0.1811
Gm11	7765409	7766299 Gmdrm	hypo	CHH	-0.0282
Gm11	7771988	7772988 Gmdrm	hypo	CHH	-0.0235
Gm11	7798423	7798806 Gmdrm	hypo	CHH	-0.0347
Gm11	7800583	7801562 Gmdrm	hypo	CHH	-0.1648
Gm11	7803272	7803462 Gmdrm	hypo	CHH	-0.045
Gm11	7806345	7807179 Gmdrm	hypo	CHH	-0.0689
Gm11	7809430	7810430 Gmdrm	hypo	CHH	-0.0719
Gm11	7810433	7811307 Gmdrm	hypo	CHH	-0.0612
Gm11	7815028	7815994 Gmdrm	hypo	CHH	-0.1012
Gm11	7816029	7816939 Gmdrm	hypo	CHH	-0.0166
Gm11	7825218	7825963 Gmdrm	hypo	CHH	-0.0189
Gm11	7826206	7826847 Gmdrm	hypo	CHH	-0.0313
Gm11	7837251	7838246 Gmdrm	hypo	CHH	-0.0177
Gm11	7841956	7842419 Gmdrm	hypo	CHH	-0.0279
Gm11	7843178	7843663 Gmdrm	hypo	CHH	-0.0212
Gm11	7861762	7862760 Gmdrm	hypo	CHH	-0.0587
Gm11	7862765	7863151 Gmdrm	hypo	CHH	-0.066
Gm11	7869831	7870820 Gmdrm	hypo	CHH	-0.0202
Gm11	7870840	7871840 Gmdrm	hypo	CHH	-0.1448
Gm11	7875581	7876569 Gmdrm	hypo	CHH	-0.0211
Gm11	7895144	7896143 Gmdrm	hypo	CHH	-0.1404
Gm11	7896148	7897137 Gmdrm	hypo	CHH	-0.0857
Gm11	7906284	7906746 Gmdrm	hypo	CHH	-0.02
Gm11	7910426	7911413 Gmdrm	hypo	CHH	-0.0386
Gm11	7911434	7912434 Gmdrm	hypo	CHH	-0.0961
Gm11	7912438	7912524 Gmdrm	hypo	CHH	-0.1273
Gm11	7912672	7913665 Gmdrm	hypo	CHH	-0.1191
Gm11	7917943	7918925 Gmdrm	hypo	CHH	-0.0149
Gm11	7918957	7919912 Gmdrm	hypo	CHH	-0.017
Gm11	7927119	7927509 Gmdrm	hypo	CHH	-0.0382
Gm11	7927649	7928642 Gmdrm	hypo	CHH	-0.0215
Gm11	7935517	7936505 Gmdrm	hypo	CHH	-0.0693
Gm11	7937188	7937836 Gmdrm	hypo	CHH	-0.1345
Gm11	7951349	7952326 Gmdrm	hypo	CHH	-0.033
Gm11	7957974	7958972 Gmdrm	hypo	CHH	-0.0974
Gm11	7958978	7959975 Gmdrm	hypo	CHH	-0.1834
Gm11	7960001	7960971 Gmdrm	hypo	CHH	-0.2581
Gm11	7962009	7962993 Gmdrm	hypo	CHH	-0.0197
Gm11	7967888	7968872 Gmdrm	hypo	CHH	-0.251

Gm11	7976033	7976835	Gmdrm	hypo	CHH	-0.0212
Gm11	7977216	7978175	Gmdrm	hypo	CHH	-0.0178
Gm11	7985719	7986500	Gmdrm	hypo	CHH	-0.0239
Gm11	7987843	7988716	Gmdrm	hypo	CHH	-0.0118
Gm11	7988826	7989825	Gmdrm	hypo	CHH	-0.1044
Gm11	7989833	7990814	Gmdrm	hypo	CHH	-0.0751
Gm11	7990861	7991857	Gmdrm	hypo	CHH	-0.0334
Gm11	7991862	7992367	Gmdrm	hypo	CHH	-0.0891
Gm11	7992473	7993462	Gmdrm	hypo	CHH	-0.1981
Gm11	8007635	8008633	Gmdrm	hypo	CHH	-0.02
Gm11	8020494	8021478	Gmdrm	hypo	CHH	-0.0229
Gm11	8028363	8029359	Gmdrm	hypo	CHH	-0.1935
Gm11	8029364	8030352	Gmdrm	hypo	CHH	-0.0221
Gm11	8030378	8031369	Gmdrm	hypo	CHH	-0.0149
Gm11	8052205	8053194	Gmdrm	hypo	CHH	-0.0428
Gm11	8066061	8067052	Gmdrm	hypo	CHH	-0.0621
Gm11	8067092	8068038	Gmdrm	hypo	CHH	-0.0224
Gm11	8071820	8072804	Gmdrm	hypo	CHH	-0.0106
Gm11	8076133	8076654	Gmdrm	hypo	CHH	-0.0505
Gm11	8079842	8079955	Gmdrm	hypo	CHH	-0.1816
Gm11	8080131	8081106	Gmdrm	hypo	CHH	-0.1674
Gm11	8096031	8096347	Gmdrm	hypo	CHH	-0.0413
Gm11	8096953	8097948	Gmdrm	hypo	CHH	-0.0484
Gm11	8097963	8098950	Gmdrm	hypo	CHH	-0.1075
Gm11	8098967	8099935	Gmdrm	hypo	CHH	-0.0752
Gm11	8123930	8124873	Gmdrm	hypo	CHH	-0.1236
Gm11	8133639	8134636	Gmdrm	hypo	CHH	-0.0276
Gm11	8141208	8141505	Gmdrm	hypo	CHH	-0.0363
Gm11	8149613	8150613	Gmdrm	hypo	CHH	-0.0534
Gm11	8152348	8153328	Gmdrm	hypo	CHH	-0.0839
Gm11	8164808	8165806	Gmdrm	hypo	CHH	-0.0362
Gm11	8184997	8185981	Gmdrm	hypo	CHH	-0.0556
Gm11	8186003	8187000	Gmdrm	hypo	CHH	-0.0828
Gm11	8187011	8188002	Gmdrm	hypo	CHH	-0.0488
Gm11	8188053	8188124	Gmdrm	hypo	CHH	-0.0567
Gm11	8201562	8202562	Gmdrm	hypo	CHH	-0.04
Gm11	8203434	8204391	Gmdrm	hypo	CHH	-0.4862
Gm11	8207184	8208170	Gmdrm	hypo	CHH	-0.0503
Gm11	8216347	8217279	Gmdrm	hypo	CHH	-0.0559
Gm11	8220911	8221911	Gmdrm	hypo	CHH	-0.0644
Gm11	8221919	8222893	Gmdrm	hypo	CHH	-0.0441
Gm11	8225004	8225977	Gmdrm	hypo	CHH	-0.0156
Gm11	8228630	8229628	Gmdrm	hypo	CHH	-0.0117
Gm11	8229654	8230634	Gmdrm	hypo	CHH	-0.0987
Gm11	8231079	8232076	Gmdrm	hypo	CHH	-0.0204
Gm11	8232516	8232718	Gmdrm	hypo	CHH	-0.056

Gm11	8242974	8243969	Gmdrm	hypo	CHH	-0.1331
Gm11	8244003	8244995	Gmdrm	hypo	CHH	-0.1836
Gm11	8248145	8248669	Gmdrm	hypo	CHH	-0.0905
Gm11	8260236	8261230	Gmdrm	hypo	CHH	-0.0144
Gm11	8268260	8268846	Gmdrm	hypo	CHH	-0.0203
Gm11	8274411	8275086	Gmdrm	hypo	CHH	-0.0388
Gm11	8275205	8276176	Gmdrm	hypo	CHH	-0.0175
Gm11	8286390	8287375	Gmdrm	hypo	CHH	-0.0203
Gm11	8296208	8297194	Gmdrm	hypo	CHH	-0.0367
Gm11	8299503	8300498	Gmdrm	hypo	CHH	-0.0554
Gm11	8302553	8303546	Gmdrm	hypo	CHH	-0.0157
Gm11	8321069	8322066	Gmdrm	hypo	CHH	-0.0278
Gm11	8322076	8323068	Gmdrm	hypo	CHH	-0.1554
Gm11	8323079	8324070	Gmdrm	hypo	CHH	-0.0485
Gm11	8332542	8333030	Gmdrm	hypo	CHH	-0.0235
Gm11	8337071	8338049	Gmdrm	hypo	CHH	-0.0893
Gm11	8353891	8354876	Gmdrm	hypo	CHH	-0.023
Gm11	8355961	8356961	Gmdrm	hypo	CHH	-0.1741
Gm11	8356966	8357952	Gmdrm	hypo	CHH	-0.1357
Gm11	8357967	8358236	Gmdrm	hypo	CHH	-0.0255
Gm11	8359539	8360515	Gmdrm	hypo	CHH	-0.019
Gm11	8372573	8373432	Gmdrm	hypo	CHH	-0.027
Gm11	8381216	8382207	Gmdrm	hypo	CHH	-0.0294
Gm11	8382219	8383189	Gmdrm	hypo	CHH	-0.0139
Gm11	8397169	8398022	Gmdrm	hypo	CHH	-0.0207
Gm11	8403063	8404059	Gmdrm	hypo	CHH	-0.057
Gm11	8404241	8404312	Gmdrm	hypo	CHH	-0.36
Gm11	8405253	8406249	Gmdrm	hypo	CHH	-0.254
Gm11	8410876	8411862	Gmdrm	hypo	CHH	-0.0195
Gm11	8411878	8412054	Gmdrm	hypo	CHH	-0.0357
Gm11	8420608	8421606	Gmdrm	hypo	CHH	-0.0126
Gm11	8431924	8432008	Gmdrm	hypo	CHH	-0.0229
Gm11	8432654	8433652	Gmdrm	hypo	CHH	-0.029
Gm11	8433675	8434660	Gmdrm	hypo	CHH	-0.0148
Gm11	8436050	8437040	Gmdrm	hypo	CHH	-0.1559
Gm11	8437052	8438040	Gmdrm	hypo	CHH	-0.156
Gm11	8448972	8449966	Gmdrm	hypo	CHH	-0.1015
Gm11	8472253	8473239	Gmdrm	hypo	CHH	-0.0184
Gm11	8480621	8481084	Gmdrm	hypo	CHH	-0.0512
Gm11	8500089	8501089	Gmdrm	hypo	CHH	-0.1433
Gm11	8501092	8501788	Gmdrm	hypo	CHH	-0.5766
Gm11	8506924	8507921	Gmdrm	hypo	CHH	-0.0226
Gm11	8507935	8508930	Gmdrm	hypo	CHH	-0.0299
Gm11	8514509	8515507	Gmdrm	hypo	CHH	-0.0426
Gm11	8525801	8526776	Gmdrm	hypo	CHH	-0.1331
Gm11	8538131	8539118	Gmdrm	hypo	CHH	-0.1084

Gm11	8539133	8540131	Gmdrm	hypo	CHH	-0.0691
Gm11	8540135	8541130	Gmdrm	hypo	CHH	-0.0496
Gm11	8546742	8547418	Gmdrm	hypo	CHH	-0.0272
Gm11	8548574	8549109	Gmdrm	hypo	CHH	-0.0698
Gm11	8550327	8551282	Gmdrm	hypo	CHH	-0.0237
Gm11	8552445	8553440	Gmdrm	hypo	CHH	-0.0253
Gm11	8555268	8556239	Gmdrm	hypo	CHH	-0.0151
Gm11	8558764	8559732	Gmdrm	hypo	CHH	-0.041
Gm11	8561202	8561563	Gmdrm	hypo	CHH	-0.0759
Gm11	8561711	8562386	Gmdrm	hypo	CHH	-0.0632
Gm11	8573800	8573952	Gmdrm	hypo	CHH	-0.0678
Gm11	8575418	8576412	Gmdrm	hypo	CHH	-0.1597
Gm11	8576426	8577402	Gmdrm	hypo	CHH	-0.1496
Gm11	8577474	8578181	Gmdrm	hypo	CHH	-0.0338
Gm11	8592453	8593443	Gmdrm	hypo	CHH	-0.0198
Gm11	8593484	8594482	Gmdrm	hypo	CHH	-0.0541
Gm11	8594490	8595476	Gmdrm	hypo	CHH	-0.0284
Gm11	8610728	8610843	Gmdrm	hypo	CHH	-0.05
Gm11	8614388	8615329	Gmdrm	hypo	CHH	-0.0555
Gm11	8615422	8616361	Gmdrm	hypo	CHH	-0.0166
Gm11	8617964	8618945	Gmdrm	hypo	CHH	-0.0184
Gm11	8621030	8622027	Gmdrm	hypo	CHH	-0.036
Gm11	8622039	8623036	Gmdrm	hypo	CHH	-0.138
Gm11	8626232	8626396	Gmdrm	hypo	CHH	-0.0364
Gm11	8629397	8630120	Gmdrm	hypo	CHH	-0.0328
Gm11	8647794	8648792	Gmdrm	hypo	CHH	-0.0478
Gm11	8656092	8657087	Gmdrm	hypo	CHH	-0.2162
Gm11	8660256	8660466	Gmdrm	hypo	CHH	-0.1
Gm11	8674865	8675423	Gmdrm	hypo	CHH	-0.0404
Gm11	8675819	8676298	Gmdrm	hypo	CHH	-0.0333
Gm11	8689831	8689991	Gmdrm	hypo	CHH	-0.0355
Gm11	8694397	8695397	Gmdrm	hypo	CHH	-0.0117
Gm11	8699297	8699757	Gmdrm	hypo	CHH	-0.0483
Gm11	8702487	8702832	Gmdrm	hypo	CHH	-0.0805
Gm11	8708747	8709739	Gmdrm	hypo	CHH	-0.0271
Gm11	8721294	8722287	Gmdrm	hypo	CHH	-0.0814
Gm11	8728361	8729357	Gmdrm	hypo	CHH	-0.0219
Gm11	8729382	8730354	Gmdrm	hypo	CHH	-0.1162
Gm11	8730394	8730601	Gmdrm	hypo	CHH	-0.022
Gm11	8731737	8732730	Gmdrm	hypo	CHH	-0.0241
Gm11	8745392	8746362	Gmdrm	hypo	CHH	-0.0751
Gm11	8751693	8752115	Gmdrm	hypo	CHH	-0.0426
Gm11	8761419	8762418	Gmdrm	hypo	CHH	-0.1439
Gm11	8762421	8763419	Gmdrm	hypo	CHH	-0.0981
Gm11	8763422	8764400	Gmdrm	hypo	CHH	-0.1477
Gm11	8777485	8778484	Gmdrm	hypo	CHH	-0.0221

Gm11	8783436	8784430	Gmdrm	hypo	CHH	-0.018
Gm11	8790701	8791698	Gmdrm	hypo	CHH	-0.0605
Gm11	8791716	8792715	Gmdrm	hypo	CHH	-0.0813
Gm11	8804535	8805530	Gmdrm	hypo	CHH	-0.0357
Gm11	8807584	8807743	Gmdrm	hypo	CHH	-0.0843
Gm11	8823272	8824094	Gmdrm	hypo	CHH	-0.031
Gm11	8828099	8829099	Gmdrm	hypo	CHH	-0.0612
Gm11	8829101	8830078	Gmdrm	hypo	CHH	-0.0569
Gm11	8830109	8831098	Gmdrm	hypo	CHH	-0.0638
Gm11	8832858	8833817	Gmdrm	hypo	CHH	-0.0192
Gm11	8834933	8835862	Gmdrm	hypo	CHH	-0.1326
Gm11	8846859	8847855	Gmdrm	hypo	CHH	-0.0361
Gm11	8847861	8848853	Gmdrm	hypo	CHH	-0.0161
Gm11	8848875	8849505	Gmdrm	hypo	CHH	-0.0151
Gm11	8851000	8851999	Gmdrm	hypo	CHH	-0.0232
Gm11	8861364	8862355	Gmdrm	hypo	CHH	-0.0181
Gm11	8871255	8871370	Gmdrm	hypo	CHH	-0.118
Gm11	8889739	8890725	Gmdrm	hypo	CHH	-0.01
Gm11	8895826	8896824	Gmdrm	hypo	CHH	-0.0255
Gm11	8896831	8897826	Gmdrm	hypo	CHH	-0.1007
Gm11	8912283	8913280	Gmdrm	hypo	CHH	-0.1794
Gm11	8913304	8914298	Gmdrm	hypo	CHH	-0.0145
Gm11	8917916	8918887	Gmdrm	hypo	CHH	-0.0837
Gm11	8921491	8922486	Gmdrm	hypo	CHH	-0.0601
Gm11	8934503	8935476	Gmdrm	hypo	CHH	-0.017
Gm11	8942328	8943322	Gmdrm	hypo	CHH	-0.0649
Gm11	8943536	8943919	Gmdrm	hypo	CHH	-0.0832
Gm11	8957742	8958735	Gmdrm	hypo	CHH	-0.0115
Gm11	8972327	8972541	Gmdrm	hypo	CHH	-0.09
Gm11	8986029	8986989	Gmdrm	hypo	CHH	-0.2342
Gm11	8992759	8993721	Gmdrm	hypo	CHH	-0.031
Gm11	9030554	9031507	Gmdrm	hypo	CHH	-0.0317
Gm11	9036916	9037902	Gmdrm	hypo	CHH	-0.0158
Gm11	9039121	9040120	Gmdrm	hypo	CHH	-0.0179
Gm11	9054630	9055625	Gmdrm	hypo	CHH	-0.023
Gm11	9056205	9056428	Gmdrm	hypo	CHH	-0.035
Gm11	9058578	9058817	Gmdrm	hypo	CHH	-0.2667
Gm11	9061226	9061619	Gmdrm	hypo	CHH	-0.3422
Gm11	9065974	9066876	Gmdrm	hypo	CHH	-0.06
Gm11	9067017	9067189	Gmdrm	hypo	CHH	-0.15
Gm11	9068968	9069959	Gmdrm	hypo	CHH	-0.2404
Gm11	9069972	9070840	Gmdrm	hypo	CHH	-0.0911
Gm11	9070954	9071953	Gmdrm	hypo	CHH	-0.1325
Gm11	9071956	9072920	Gmdrm	hypo	CHH	-0.0609
Gm11	9078241	9079226	Gmdrm	hypo	CHH	-0.017
Gm11	9081261	9082260	Gmdrm	hypo	CHH	-0.1019

Gm11	9085311	9086310 Gmdrm	hypo	CHH	-0.0269
Gm11	9086331	9086494 Gmdrm	hypo	CHH	-0.1034
Gm11	9104006	9104335 Gmdrm	hypo	CHH	-0.0335
Gm11	9105854	9106850 Gmdrm	hypo	CHH	-0.0317
Gm11	9131322	9132319 Gmdrm	hypo	CHH	-0.1066
Gm11	9145284	9146273 Gmdrm	hypo	CHH	-0.0305
Gm11	9146286	9146305 Gmdrm	hypo	CHH	-0.09
Gm11	9154952	9155943 Gmdrm	hypo	CHH	-0.0278
Gm11	9173472	9173821 Gmdrm	hypo	CHH	-0.0343
Gm11	9181945	9182937 Gmdrm	hypo	CHH	-0.0176
Gm11	9186503	9187490 Gmdrm	hypo	CHH	-0.0301
Gm11	9207229	9208229 Gmdrm	hypo	CHH	-0.0573
Gm11	9208236	9209232 Gmdrm	hypo	CHH	-0.1046
Gm11	9209249	9210247 Gmdrm	hypo	CHH	-0.0665
Gm11	9210253	9211220 Gmdrm	hypo	CHH	-0.0991
Gm11	9212580	9213528 Gmdrm	hypo	CHH	-0.029
Gm11	9215208	9216184 Gmdrm	hypo	CHH	-0.082
Gm11	9216209	9216329 Gmdrm	hypo	CHH	-0.0507
Gm11	9219868	9220262 Gmdrm	hypo	CHH	-0.0364
Gm11	9224557	9225526 Gmdrm	hypo	CHH	-0.0193
Gm11	9225579	9226572 Gmdrm	hypo	CHH	-0.0388
Gm11	9232277	9232661 Gmdrm	hypo	CHH	-0.0476
Gm11	9232785	9233783 Gmdrm	hypo	CHH	-0.0548
Gm11	9233788	9234768 Gmdrm	hypo	CHH	-0.052
Gm11	9234797	9235796 Gmdrm	hypo	CHH	-0.0753
Gm11	9235798	9236781 Gmdrm	hypo	CHH	-0.1092
Gm11	9242659	9243651 Gmdrm	hypo	CHH	-0.0577
Gm11	9243684	9244659 Gmdrm	hypo	CHH	-0.078
Gm11	9244701	9245699 Gmdrm	hypo	CHH	-0.0935
Gm11	9257570	9258552 Gmdrm	hypo	CHH	-0.0209
Gm11	9258582	9259577 Gmdrm	hypo	CHH	-0.0439
Gm11	9259589	9260589 Gmdrm	hypo	CHH	-0.0697
Gm11	9264037	9265036 Gmdrm	hypo	CHH	-0.0189
Gm11	9265042	9266017 Gmdrm	hypo	CHH	-0.0376
Gm11	9267412	9267593 Gmdrm	hypo	CHH	-0.04
Gm11	9271943	9272920 Gmdrm	hypo	CHH	-0.0251
Gm11	9272963	9273932 Gmdrm	hypo	CHH	-0.016
Gm11	9278077	9279070 Gmdrm	hypo	CHH	-0.0967
Gm11	9279089	9280052 Gmdrm	hypo	CHH	-0.2912
Gm11	9292511	9293504 Gmdrm	hypo	CHH	-0.1266
Gm11	9293512	9294331 Gmdrm	hypo	CHH	-0.094
Gm11	9302955	9303947 Gmdrm	hypo	CHH	-0.0228
Gm11	9305530	9306432 Gmdrm	hypo	CHH	-0.031
Gm11	9309605	9309959 Gmdrm	hypo	CHH	-0.0161
Gm11	9312454	9313405 Gmdrm	hypo	CHH	-0.1291
Gm11	9323391	9324391 Gmdrm	hypo	CHH	-0.1302

Gm11	9324393	9325391	Gmdrm	hypo	CHH	-0.0906
Gm11	9328401	9329239	Gmdrm	hypo	CHH	-0.0126
Gm11	9333174	9334160	Gmdrm	hypo	CHH	-0.2457
Gm11	9335350	9336297	Gmdrm	hypo	CHH	-0.4424
Gm11	9336385	9337383	Gmdrm	hypo	CHH	-0.0799
Gm11	9337389	9338386	Gmdrm	hypo	CHH	-0.0555
Gm11	9343740	9344723	Gmdrm	hypo	CHH	-0.0157
Gm11	9347587	9348580	Gmdrm	hypo	CHH	-0.0247
Gm11	9348615	9349609	Gmdrm	hypo	CHH	-0.0183
Gm11	9364599	9365127	Gmdrm	hypo	CHH	-0.0227
Gm11	9367256	9368255	Gmdrm	hypo	CHH	-0.0834
Gm11	9368258	9369244	Gmdrm	hypo	CHH	-0.3253
Gm11	9370865	9371831	Gmdrm	hypo	CHH	-0.0193
Gm11	9374489	9375471	Gmdrm	hypo	CHH	-0.0259
Gm11	9400721	9401717	Gmdrm	hypo	CHH	-0.0185
Gm11	9401727	9402363	Gmdrm	hypo	CHH	-0.2423
Gm11	9402620	9403614	Gmdrm	hypo	CHH	-0.0875
Gm11	9420434	9421398	Gmdrm	hypo	CHH	-0.0128
Gm11	9421486	9422486	Gmdrm	hypo	CHH	-0.0923
Gm11	9424494	9425477	Gmdrm	hypo	CHH	-0.0611
Gm11	9449907	9450886	Gmdrm	hypo	CHH	-0.0738
Gm11	9472933	9473931	Gmdrm	hypo	CHH	-0.0198
Gm11	9473949	9474933	Gmdrm	hypo	CHH	-0.2548
Gm11	9474951	9475871	Gmdrm	hypo	CHH	-0.0451
Gm11	9482102	9483100	Gmdrm	hypo	CHH	-0.0277
Gm11	9485161	9486160	Gmdrm	hypo	CHH	-0.0144
Gm11	9490760	9490926	Gmdrm	hypo	CHH	-0.0344
Gm11	9491241	9491326	Gmdrm	hypo	CHH	-0.034
Gm11	9491446	9492149	Gmdrm	hypo	CHH	-0.028
Gm11	9495284	9496269	Gmdrm	hypo	CHH	-0.0172
Gm11	9497067	9498059	Gmdrm	hypo	CHH	-0.017
Gm11	9498076	9499061	Gmdrm	hypo	CHH	-0.0173
Gm11	9504033	9504284	Gmdrm	hypo	CHH	-0.1121
Gm11	9504458	9505093	Gmdrm	hypo	CHH	-0.1138
Gm11	9505335	9506315	Gmdrm	hypo	CHH	-0.0766
Gm11	9512789	9513784	Gmdrm	hypo	CHH	-0.023
Gm11	9523044	9523414	Gmdrm	hypo	CHH	-0.0532
Gm11	9534908	9535908	Gmdrm	hypo	CHH	-0.0448
Gm11	9535914	9536912	Gmdrm	hypo	CHH	-0.0342
Gm11	9537928	9538925	Gmdrm	hypo	CHH	-0.0392
Gm11	9542268	9542335	Gmdrm	hypo	CHH	-0.05
Gm11	9544053	9545033	Gmdrm	hypo	CHH	-0.0926
Gm11	9548219	9549170	Gmdrm	hypo	CHH	-0.0172
Gm11	9551454	9551522	Gmdrm	hypo	CHH	-0.046
Gm11	9567678	9568043	Gmdrm	hypo	CHH	-0.049
Gm11	9598814	9599784	Gmdrm	hypo	CHH	-0.2272

Gm11	9604309	9605295 Gmdrm	hypo	CHH	-0.027
Gm11	9606323	9607312 Gmdrm	hypo	CHH	-0.0706
Gm11	9615394	9615781 Gmdrm	hypo	CHH	-0.0235
Gm11	9619775	9620698 Gmdrm	hypo	CHH	-0.1052
Gm11	9620794	9621794 Gmdrm	hypo	CHH	-0.3115
Gm11	9628908	9629467 Gmdrm	hypo	CHH	-0.0161
Gm11	9629600	9630567 Gmdrm	hypo	CHH	-0.042
Gm11	9630610	9631564 Gmdrm	hypo	CHH	-0.037
Gm11	9638803	9639785 Gmdrm	hypo	CHH	-0.0238
Gm11	9639808	9640737 Gmdrm	hypo	CHH	-0.0157
Gm11	9644623	9645619 Gmdrm	hypo	CHH	-0.0131
Gm11	9654594	9655563 Gmdrm	hypo	CHH	-0.019
Gm11	9656654	9657629 Gmdrm	hypo	CHH	-0.0141
Gm11	9659687	9660245 Gmdrm	hypo	CHH	-0.0449
Gm11	9660531	9661520 Gmdrm	hypo	CHH	-0.1973
Gm11	9661532	9662530 Gmdrm	hypo	CHH	-0.0208
Gm11	9666694	9667687 Gmdrm	hypo	CHH	-0.0117
Gm11	9673102	9674101 Gmdrm	hypo	CHH	-0.0162
Gm11	9674108	9675107 Gmdrm	hypo	CHH	-0.0512
Gm11	9675115	9676073 Gmdrm	hypo	CHH	-0.0267
Gm11	9676130	9677101 Gmdrm	hypo	CHH	-0.0261
Gm11	9680681	9681660 Gmdrm	hypo	CHH	-0.0419
Gm11	9684932	9685905 Gmdrm	hypo	CHH	-0.0426
Gm11	9689578	9690554 Gmdrm	hypo	CHH	-0.0641
Gm11	9691950	9692912 Gmdrm	hypo	CHH	-0.0701
Gm11	9700164	9701156 Gmdrm	hypo	CHH	-0.067
Gm11	9702227	9703169 Gmdrm	hypo	CHH	-0.0501
Gm11	9714889	9715887 Gmdrm	hypo	CHH	-0.0435
Gm11	9745181	9746175 Gmdrm	hypo	CHH	-0.03
Gm11	9746183	9747182 Gmdrm	hypo	CHH	-0.0129
Gm11	9754144	9755136 Gmdrm	hypo	CHH	-0.0367
Gm11	9755151	9756129 Gmdrm	hypo	CHH	-0.0287
Gm11	9767898	9768884 Gmdrm	hypo	CHH	-0.0153
Gm11	9789144	9789293 Gmdrm	hypo	CHH	-0.0262
Gm11	9789401	9790373 Gmdrm	hypo	CHH	-0.0152
Gm11	9790405	9791234 Gmdrm	hypo	CHH	-0.015
Gm11	9794191	9795173 Gmdrm	hypo	CHH	-0.0151
Gm11	9803865	9804699 Gmdrm	hypo	CHH	-0.0158
Gm11	9805740	9806726 Gmdrm	hypo	CHH	-0.012
Gm11	9818068	9818611 Gmdrm	hypo	CHH	-0.0525
Gm11	9830853	9831570 Gmdrm	hypo	CHH	-0.2839
Gm11	9848063	9849058 Gmdrm	hypo	CHH	-0.033
Gm11	9850709	9851708 Gmdrm	hypo	CHH	-0.0475
Gm11	9860614	9861609 Gmdrm	hypo	CHH	-0.0174
Gm11	9861635	9862632 Gmdrm	hypo	CHH	-0.0169
Gm11	9864394	9865373 Gmdrm	hypo	CHH	-0.0213

Gm11	9866480	9867480 Gmdrm	hypo	CHH	-0.0161
Gm11	9872097	9873048 Gmdrm	hypo	CHH	-0.0668
Gm11	9884567	9884840 Gmdrm	hypo	CHH	-0.0278
Gm11	9884965	9885965 Gmdrm	hypo	CHH	-0.0283
Gm11	9888341	9889305 Gmdrm	hypo	CHH	-0.0276
Gm11	9889345	9890095 Gmdrm	hypo	CHH	-0.1569
Gm11	9890445	9891423 Gmdrm	hypo	CHH	-0.0834
Gm11	9893487	9894475 Gmdrm	hypo	CHH	-0.0491
Gm11	9910009	9911001 Gmdrm	hypo	CHH	-0.0368
Gm11	9913204	9914200 Gmdrm	hypo	CHH	-0.0309
Gm11	9926179	9927179 Gmdrm	hypo	CHH	-0.019
Gm11	9932321	9932805 Gmdrm	hypo	CHH	-0.0277
Gm11	9933928	9934686 Gmdrm	hypo	CHH	-0.0235
Gm11	9947541	9948541 Gmdrm	hypo	CHH	-0.0438
Gm11	9950592	9951569 Gmdrm	hypo	CHH	-0.0638
Gm11	9951600	9952574 Gmdrm	hypo	CHH	-0.0174
Gm11	9963150	9964150 Gmdrm	hypo	CHH	-0.0139
Gm11	9967433	9967557 Gmdrm	hypo	CHH	-0.105
Gm11	9968035	9969034 Gmdrm	hypo	CHH	-0.0749
Gm11	9971065	9972029 Gmdrm	hypo	CHH	-0.0166
Gm11	9976047	9976456 Gmdrm	hypo	CHH	-0.0583
Gm11	9977993	9978993 Gmdrm	hypo	CHH	-0.0129
Gm11	9979011	9979983 Gmdrm	hypo	CHH	-0.0899
Gm11	9980018	9980955 Gmdrm	hypo	CHH	-0.0348
Gm11	9981020	9981936 Gmdrm	hypo	CHH	-0.0125
Gm11	9992894	9993804 Gmdrm	hypo	CHH	-0.0515
Gm11	9993900	9994899 Gmdrm	hypo	CHH	-0.0502
Gm11	9996842	9997424 Gmdrm	hypo	CHH	-0.0163
Gm11	9997546	9998539 Gmdrm	hypo	CHH	-0.1679
Gm11	9998552	9999550 Gmdrm	hypo	CHH	-0.1402
Gm11	9999554	10000549 Gmdrm	hypo	CHH	-0.0897
Gm11	10003368	10004360 Gmdrm	hypo	CHH	-0.171
Gm11	10005567	10006559 Gmdrm	hypo	CHH	-0.0471
Gm11	10011103	10011281 Gmdrm	hypo	CHH	-0.1038
Gm11	10013473	10014032 Gmdrm	hypo	CHH	-0.0279
Gm11	10014693	10015690 Gmdrm	hypo	CHH	-0.0259
Gm11	10015698	10016695 Gmdrm	hypo	CHH	-0.0351
Gm11	10016706	10017699 Gmdrm	hypo	CHH	-0.0258
Gm11	10017708	10018698 Gmdrm	hypo	CHH	-0.1107
Gm11	10024471	10025471 Gmdrm	hypo	CHH	-0.0173
Gm11	10031990	10032983 Gmdrm	hypo	CHH	-0.0132
Gm11	10032992	10033988 Gmdrm	hypo	CHH	-0.0134
Gm11	10043100	10044099 Gmdrm	hypo	CHH	-0.0154
Gm11	10045122	10046119 Gmdrm	hypo	CHH	-0.0144
Gm11	10049478	10050477 Gmdrm	hypo	CHH	-0.143
Gm11	10050479	10051479 Gmdrm	hypo	CHH	-0.0622

Gm11	10051487	10052482	Gmdrm	hypo	CHH	-0.0546
Gm11	10062621	10063602	Gmdrm	hypo	CHH	-0.0964
Gm11	10063625	10064625	Gmdrm	hypo	CHH	-0.1443
Gm11	10064627	10065622	Gmdrm	hypo	CHH	-0.1525
Gm11	10068179	10069167	Gmdrm	hypo	CHH	-0.0286
Gm11	10069196	10070194	Gmdrm	hypo	CHH	-0.0455
Gm11	10075243	10076157	Gmdrm	hypo	CHH	-0.0895
Gm11	10091521	10092512	Gmdrm	hypo	CHH	-0.1553
Gm11	10097083	10098081	Gmdrm	hypo	CHH	-0.0431
Gm11	10098085	10099072	Gmdrm	hypo	CHH	-0.0716
Gm11	10099154	10100152	Gmdrm	hypo	CHH	-0.0111
Gm11	10100745	10101745	Gmdrm	hypo	CHH	-0.0192
Gm11	10118422	10119422	Gmdrm	hypo	CHH	-0.0277
Gm11	10119429	10120425	Gmdrm	hypo	CHH	-0.0221
Gm11	10126098	10126334	Gmdrm	hypo	CHH	-0.0279
Gm11	10129027	10130014	Gmdrm	hypo	CHH	-0.0125
Gm11	10131062	10132062	Gmdrm	hypo	CHH	-0.1616
Gm11	10145139	10146138	Gmdrm	hypo	CHH	-0.0875
Gm11	10146142	10146695	Gmdrm	hypo	CHH	-0.0689
Gm11	10149451	10150421	Gmdrm	hypo	CHH	-0.036
Gm11	10151467	10152460	Gmdrm	hypo	CHH	-0.1991
Gm11	10156558	10157065	Gmdrm	hypo	CHH	-0.0205
Gm11	10161176	10162171	Gmdrm	hypo	CHH	-0.1966
Gm11	10165960	10166924	Gmdrm	hypo	CHH	-0.1024
Gm11	10178267	10179262	Gmdrm	hypo	CHH	-0.1378
Gm11	10187932	10188916	Gmdrm	hypo	CHH	-0.0115
Gm11	10190983	10191957	Gmdrm	hypo	CHH	-0.018
Gm11	10198931	10199893	Gmdrm	hypo	CHH	-0.0134
Gm11	10204866	10205388	Gmdrm	hypo	CHH	-0.0373
Gm11	10207397	10208387	Gmdrm	hypo	CHH	-0.0265
Gm11	10212542	10213540	Gmdrm	hypo	CHH	-0.0745
Gm11	10221289	10222272	Gmdrm	hypo	CHH	-0.0124
Gm11	10225288	10226220	Gmdrm	hypo	CHH	-0.0137
Gm11	10244241	10245240	Gmdrm	hypo	CHH	-0.0526
Gm11	10245245	10246240	Gmdrm	hypo	CHH	-0.0394
Gm11	10262862	10263861	Gmdrm	hypo	CHH	-0.0872
Gm11	10263885	10264875	Gmdrm	hypo	CHH	-0.0259
Gm11	10266398	10267390	Gmdrm	hypo	CHH	-0.0151
Gm11	10269013	10270010	Gmdrm	hypo	CHH	-0.0256
Gm11	10272245	10273240	Gmdrm	hypo	CHH	-0.182
Gm11	10306702	10307160	Gmdrm	hypo	CHH	-0.0405
Gm11	10319229	10319744	Gmdrm	hypo	CHH	-0.0807
Gm11	10330376	10330837	Gmdrm	hypo	CHH	-0.0902
Gm11	10334206	10335206	Gmdrm	hypo	CHH	-0.032
Gm11	10339766	10340751	Gmdrm	hypo	CHH	-0.0175
Gm11	10356783	10357772	Gmdrm	hypo	CHH	-0.0331

Gm11	10359887	10360885	Gmdrm	hypo	CHH	-0.0331
Gm11	10369514	10370510	Gmdrm	hypo	CHH	-0.0261
Gm11	10384800	10385766	Gmdrm	hypo	CHH	-0.0633
Gm11	10401622	10402620	Gmdrm	hypo	CHH	-0.0691
Gm11	10404940	10405827	Gmdrm	hypo	CHH	-0.0545
Gm11	10411299	10412299	Gmdrm	hypo	CHH	-0.142
Gm11	10412307	10412992	Gmdrm	hypo	CHH	-0.0248
Gm11	10418138	10419137	Gmdrm	hypo	CHH	-0.0448
Gm11	10419151	10420133	Gmdrm	hypo	CHH	-0.0549
Gm11	10436611	10437609	Gmdrm	hypo	CHH	-0.112
Gm11	10437628	10438604	Gmdrm	hypo	CHH	-0.1129
Gm11	10438643	10439630	Gmdrm	hypo	CHH	-0.0342
Gm11	10445874	10445980	Gmdrm	hypo	CHH	-0.054
Gm11	10462557	10463552	Gmdrm	hypo	CHH	-0.0153
Gm11	10471647	10472519	Gmdrm	hypo	CHH	-0.0157
Gm11	10478194	10479175	Gmdrm	hypo	CHH	-0.0131
Gm11	10481374	10482372	Gmdrm	hypo	CHH	-0.0131
Gm11	10494066	10495056	Gmdrm	hypo	CHH	-0.0172
Gm11	10495094	10496090	Gmdrm	hypo	CHH	-0.0185
Gm11	10496095	10496905	Gmdrm	hypo	CHH	-0.0206
Gm11	10498088	10498910	Gmdrm	hypo	CHH	-0.0528
Gm11	10500570	10501409	Gmdrm	hypo	CHH	-0.0341
Gm11	10502180	10503161	Gmdrm	hypo	CHH	-0.0583
Gm11	10514917	10515855	Gmdrm	hypo	CHH	-0.0362
Gm11	10518311	10519311	Gmdrm	hypo	CHH	-0.192
Gm11	10519319	10520295	Gmdrm	hypo	CHH	-0.3197
Gm11	10522747	10523533	Gmdrm	hypo	CHH	-0.0204
Gm11	10534345	10534537	Gmdrm	hypo	CHH	-0.0383
Gm11	10535656	10536651	Gmdrm	hypo	CHH	-0.0246
Gm11	10539804	10540803	Gmdrm	hypo	CHH	-0.0292
Gm11	10540806	10541748	Gmdrm	hypo	CHH	-0.1634
Gm11	10541819	10542815	Gmdrm	hypo	CHH	-0.0216
Gm11	10545233	10545401	Gmdrm	hypo	CHH	-0.05
Gm11	10546775	10547764	Gmdrm	hypo	CHH	-0.0154
Gm11	10549309	10550300	Gmdrm	hypo	CHH	-0.0525
Gm11	10550310	10551277	Gmdrm	hypo	CHH	-0.0619
Gm11	10553327	10554325	Gmdrm	hypo	CHH	-0.1932
Gm11	10558576	10559576	Gmdrm	hypo	CHH	-0.0614
Gm11	10559581	10560578	Gmdrm	hypo	CHH	-0.1387
Gm11	10560589	10560954	Gmdrm	hypo	CHH	-0.389
Gm11	10566002	10566999	Gmdrm	hypo	CHH	-0.0189
Gm11	10568280	10569265	Gmdrm	hypo	CHH	-0.0351
Gm11	10573265	10574264	Gmdrm	hypo	CHH	-0.1073
Gm11	10579102	10579266	Gmdrm	hypo	CHH	-0.0433
Gm11	10587279	10587401	Gmdrm	hypo	CHH	-0.0309
Gm11	10600629	10600866	Gmdrm	hypo	CHH	-0.0283

Gm11	10602415	10602586	Gmdrm	hypo	CHH	-0.0417
Gm11	10629992	10630360	Gmdrm	hypo	CHH	-0.0741
Gm11	10639201	10640196	Gmdrm	hypo	CHH	-0.0367
Gm11	10664507	10665492	Gmdrm	hypo	CHH	-0.0181
Gm11	10677185	10678182	Gmdrm	hypo	CHH	-0.0135
Gm11	10678683	10679681	Gmdrm	hypo	CHH	-0.0251
Gm11	10679719	10680709	Gmdrm	hypo	CHH	-0.0221
Gm11	10688402	10689401	Gmdrm	hypo	CHH	-0.0591
Gm11	10703269	10704254	Gmdrm	hypo	CHH	-0.2099
Gm11	10713555	10714554	Gmdrm	hypo	CHH	-0.054
Gm11	10714557	10715543	Gmdrm	hypo	CHH	-0.0551
Gm11	10718852	10719851	Gmdrm	hypo	CHH	-0.034
Gm11	10719881	10720871	Gmdrm	hypo	CHH	-0.0165
Gm11	10722932	10723134	Gmdrm	hypo	CHH	-0.0508
Gm11	10726889	10727886	Gmdrm	hypo	CHH	-0.1484
Gm11	10727903	10728897	Gmdrm	hypo	CHH	-0.0848
Gm11	10728905	10729893	Gmdrm	hypo	CHH	-0.1162
Gm11	10729920	10730911	Gmdrm	hypo	CHH	-0.0272
Gm11	10730923	10731902	Gmdrm	hypo	CHH	-0.0305
Gm11	10732967	10733958	Gmdrm	hypo	CHH	-0.1004
Gm11	10741612	10742609	Gmdrm	hypo	CHH	-0.2234
Gm11	10744346	10745346	Gmdrm	hypo	CHH	-0.072
Gm11	10745349	10745738	Gmdrm	hypo	CHH	-0.152
Gm11	10750317	10751295	Gmdrm	hypo	CHH	-0.0554
Gm11	10752371	10752808	Gmdrm	hypo	CHH	-0.0437
Gm11	10757468	10758450	Gmdrm	hypo	CHH	-0.0151
Gm11	10759528	10760527	Gmdrm	hypo	CHH	-0.0273
Gm11	10770828	10771807	Gmdrm	hypo	CHH	-0.0434
Gm11	10778649	10779649	Gmdrm	hypo	CHH	-0.1061
Gm11	10779658	10780654	Gmdrm	hypo	CHH	-0.0436
Gm11	10788333	10789331	Gmdrm	hypo	CHH	-0.2312
Gm11	10789337	10790105	Gmdrm	hypo	CHH	-0.1396
Gm11	10794905	10795903	Gmdrm	hypo	CHH	-0.021
Gm11	10797511	10797993	Gmdrm	hypo	CHH	-0.0216
Gm11	10804056	10805000	Gmdrm	hypo	CHH	-0.0302
Gm11	10807947	10808946	Gmdrm	hypo	CHH	-0.0458
Gm11	10808950	10809950	Gmdrm	hypo	CHH	-0.0922
Gm11	10809957	10810955	Gmdrm	hypo	CHH	-0.0601
Gm11	10810958	10811956	Gmdrm	hypo	CHH	-0.0908
Gm11	10811959	10812952	Gmdrm	hypo	CHH	-0.0284
Gm11	10815015	10815983	Gmdrm	hypo	CHH	-0.0221
Gm11	10818661	10819661	Gmdrm	hypo	CHH	-0.1281
Gm11	10819662	10820662	Gmdrm	hypo	CHH	-0.0847
Gm11	10824992	10825992	Gmdrm	hypo	CHH	-0.0153
Gm11	10839199	10840155	Gmdrm	hypo	CHH	-0.0873
Gm11	10852857	10853852	Gmdrm	hypo	CHH	-0.0173

Gm11	10854863	10855854	Gmdrm	hypo	CHH	-0.0496
Gm11	10859911	10860909	Gmdrm	hypo	CHH	-0.0672
Gm11	10871694	10872694	Gmdrm	hypo	CHH	-0.1381
Gm11	10872704	10873685	Gmdrm	hypo	CHH	-0.1248
Gm11	10874268	10875262	Gmdrm	hypo	CHH	-0.015
Gm11	10875296	10876296	Gmdrm	hypo	CHH	-0.1003
Gm11	10876310	10877307	Gmdrm	hypo	CHH	-0.0924
Gm11	10879313	10880302	Gmdrm	hypo	CHH	-0.0705
Gm11	10881352	10882352	Gmdrm	hypo	CHH	-0.0581
Gm11	10882355	10883341	Gmdrm	hypo	CHH	-0.0212
Gm11	10898297	10899257	Gmdrm	hypo	CHH	-0.035
Gm11	10900326	10900891	Gmdrm	hypo	CHH	-0.0136
Gm11	10903845	10904828	Gmdrm	hypo	CHH	-0.0188
Gm11	10904848	10905841	Gmdrm	hypo	CHH	-0.0277
Gm11	10912068	10913051	Gmdrm	hypo	CHH	-0.0603
Gm11	10914103	10915100	Gmdrm	hypo	CHH	-0.1693
Gm11	10915110	10916105	Gmdrm	hypo	CHH	-0.1987
Gm11	10918497	10919492	Gmdrm	hypo	CHH	-0.0142
Gm11	10922068	10922909	Gmdrm	hypo	CHH	-0.0183
Gm11	10931639	10932636	Gmdrm	hypo	CHH	-0.1901
Gm11	10932643	10933310	Gmdrm	hypo	CHH	-0.161
Gm11	10933456	10934449	Gmdrm	hypo	CHH	-0.0679
Gm11	10935505	10936498	Gmdrm	hypo	CHH	-0.023
Gm11	10942218	10943216	Gmdrm	hypo	CHH	-0.0449
Gm11	10943221	10944160	Gmdrm	hypo	CHH	-0.0488
Gm11	10945940	10946931	Gmdrm	hypo	CHH	-0.0184
Gm11	10954110	10954991	Gmdrm	hypo	CHH	-0.0807
Gm11	10966018	10966977	Gmdrm	hypo	CHH	-0.018
Gm11	10973211	10974000	Gmdrm	hypo	CHH	-0.0873
Gm11	10979381	10980378	Gmdrm	hypo	CHH	-0.0998
Gm11	10980388	10981358	Gmdrm	hypo	CHH	-0.0935
Gm11	10982401	10983401	Gmdrm	hypo	CHH	-0.0355
Gm11	10983409	10984405	Gmdrm	hypo	CHH	-0.0856
Gm11	10984414	10985409	Gmdrm	hypo	CHH	-0.0669
Gm11	10985420	10986416	Gmdrm	hypo	CHH	-0.0346
Gm11	10992793	10993781	Gmdrm	hypo	CHH	-0.0846
Gm11	10993818	10994798	Gmdrm	hypo	CHH	-0.0318
Gm11	11002163	11003133	Gmdrm	hypo	CHH	-0.1605
Gm11	11004509	11005508	Gmdrm	hypo	CHH	-0.055
Gm11	11006036	11007031	Gmdrm	hypo	CHH	-0.0567
Gm11	11007045	11008025	Gmdrm	hypo	CHH	-0.0545
Gm11	11015406	11016397	Gmdrm	hypo	CHH	-0.0379
Gm11	11016416	11016630	Gmdrm	hypo	CHH	-0.04
Gm11	11017091	11018071	Gmdrm	hypo	CHH	-0.1808
Gm11	11039715	11040686	Gmdrm	hypo	CHH	-0.0545
Gm11	11042776	11043768	Gmdrm	hypo	CHH	-0.0149

Gm11	11061445	11061756	Gmdrm	hypo	CHH	-0.0476
Gm11	11062051	11063050	Gmdrm	hypo	CHH	-0.0136
Gm11	11063052	11064036	Gmdrm	hypo	CHH	-0.038
Gm11	11074079	11075074	Gmdrm	hypo	CHH	-0.0979
Gm11	11079362	11080351	Gmdrm	hypo	CHH	-0.1408
Gm11	11086777	11086997	Gmdrm	hypo	CHH	-0.067
Gm11	11088114	11089094	Gmdrm	hypo	CHH	-0.0126
Gm11	11089136	11090095	Gmdrm	hypo	CHH	-0.0098
Gm11	11090275	11091254	Gmdrm	hypo	CHH	-0.0333
Gm11	11112820	11113813	Gmdrm	hypo	CHH	-0.0175
Gm11	11120224	11120621	Gmdrm	hypo	CHH	-0.0513
Gm11	11125022	11126017	Gmdrm	hypo	CHH	-0.0398
Gm11	11137864	11138859	Gmdrm	hypo	CHH	-0.0203
Gm11	11143417	11143925	Gmdrm	hypo	CHH	-0.0445
Gm11	11150303	11151295	Gmdrm	hypo	CHH	-0.0463
Gm11	11151313	11152312	Gmdrm	hypo	CHH	-0.0811
Gm11	11155444	11156433	Gmdrm	hypo	CHH	-0.0171
Gm11	11160989	11161982	Gmdrm	hypo	CHH	-0.0245
Gm11	11161995	11162995	Gmdrm	hypo	CHH	-0.0429
Gm11	11165013	11166006	Gmdrm	hypo	CHH	-0.0501
Gm11	11169808	11170802	Gmdrm	hypo	CHH	-0.0496
Gm11	11170813	11171808	Gmdrm	hypo	CHH	-0.0121
Gm11	11177923	11178754	Gmdrm	hypo	CHH	-0.0184
Gm11	11178863	11179855	Gmdrm	hypo	CHH	-0.2042
Gm11	11183800	11184794	Gmdrm	hypo	CHH	-0.0176
Gm11	11189308	11190306	Gmdrm	hypo	CHH	-0.0274
Gm11	11204916	11205881	Gmdrm	hypo	CHH	-0.0125
Gm11	11207746	11208725	Gmdrm	hypo	CHH	-0.0163
Gm11	11209757	11210744	Gmdrm	hypo	CHH	-0.0137
Gm11	11213419	11214418	Gmdrm	hypo	CHH	-0.0962
Gm11	11215424	11216383	Gmdrm	hypo	CHH	-0.0614
Gm11	11216446	11217437	Gmdrm	hypo	CHH	-0.0273
Gm11	11224491	11224653	Gmdrm	hypo	CHH	-0.0331
Gm11	11231795	11232795	Gmdrm	hypo	CHH	-0.0117
Gm11	11232796	11233796	Gmdrm	hypo	CHH	-0.0386
Gm11	11234497	11235489	Gmdrm	hypo	CHH	-0.2156
Gm11	11238475	11239219	Gmdrm	hypo	CHH	-0.025
Gm11	11266900	11267899	Gmdrm	hypo	CHH	-0.1244
Gm11	11268947	11269789	Gmdrm	hypo	CHH	-0.0283
Gm11	11271495	11272495	Gmdrm	hypo	CHH	-0.1022
Gm11	11277868	11278856	Gmdrm	hypo	CHH	-0.0533
Gm11	11278876	11279703	Gmdrm	hypo	CHH	-0.0223
Gm11	11282449	11283439	Gmdrm	hypo	CHH	-0.0234
Gm11	11283452	11283813	Gmdrm	hypo	CHH	-0.0355
Gm11	11286827	11287827	Gmdrm	hypo	CHH	-0.4912
Gm11	11292142	11293134	Gmdrm	hypo	CHH	-0.1145

Gm11	11293143	11293333	Gmdrm	hypo	CHH	-0.0906
Gm11	11293761	11294758	Gmdrm	hypo	CHH	-0.0395
Gm11	11294818	11295816	Gmdrm	hypo	CHH	-0.0401
Gm11	11304608	11305608	Gmdrm	hypo	CHH	-0.0849
Gm11	11305609	11306575	Gmdrm	hypo	CHH	-0.1766
Gm11	11308254	11309247	Gmdrm	hypo	CHH	-0.0196
Gm11	11318892	11319883	Gmdrm	hypo	CHH	-0.0114
Gm11	11319903	11320858	Gmdrm	hypo	CHH	-0.0301
Gm11	11321096	11322084	Gmdrm	hypo	CHH	-0.0131
Gm11	11323121	11324108	Gmdrm	hypo	CHH	-0.1814
Gm11	11324123	11324155	Gmdrm	hypo	CHH	-0.238
Gm11	11337124	11338124	Gmdrm	hypo	CHH	-0.3355
Gm11	11342408	11343369	Gmdrm	hypo	CHH	-0.0213
Gm11	11350432	11351426	Gmdrm	hypo	CHH	-0.0477
Gm11	11351438	11352414	Gmdrm	hypo	CHH	-0.0298
Gm11	11357478	11358473	Gmdrm	hypo	CHH	-0.038
Gm11	11359494	11360473	Gmdrm	hypo	CHH	-0.0117
Gm11	11366343	11367342	Gmdrm	hypo	CHH	-0.06
Gm11	11368917	11369914	Gmdrm	hypo	CHH	-0.0674
Gm11	11369920	11370713	Gmdrm	hypo	CHH	-0.1555
Gm11	11375017	11375928	Gmdrm	hypo	CHH	-0.0651
Gm11	11380844	11381813	Gmdrm	hypo	CHH	-0.0165
Gm11	11391320	11392319	Gmdrm	hypo	CHH	-0.1503
Gm11	11395348	11396220	Gmdrm	hypo	CHH	-0.037
Gm11	11397570	11398528	Gmdrm	hypo	CHH	-0.0143
Gm11	11401376	11402307	Gmdrm	hypo	CHH	-0.0234
Gm11	11407979	11408952	Gmdrm	hypo	CHH	-0.0195
Gm11	11416618	11417608	Gmdrm	hypo	CHH	-0.0226
Gm11	11429779	11430770	Gmdrm	hypo	CHH	-0.0159
Gm11	11430790	11431286	Gmdrm	hypo	CHH	-0.0383
Gm11	11438007	11438984	Gmdrm	hypo	CHH	-0.042
Gm11	11450407	11451142	Gmdrm	hypo	CHH	-0.0478
Gm11	11451746	11452195	Gmdrm	hypo	CHH	-0.03
Gm11	11455503	11456497	Gmdrm	hypo	CHH	-0.0466
Gm11	11456509	11457508	Gmdrm	hypo	CHH	-0.1263
Gm11	11457517	11458515	Gmdrm	hypo	CHH	-0.0631
Gm11	11477223	11478202	Gmdrm	hypo	CHH	-0.0336
Gm11	11489577	11490431	Gmdrm	hypo	CHH	-0.1078
Gm11	11498278	11499276	Gmdrm	hypo	CHH	-0.1243
Gm11	11499290	11500243	Gmdrm	hypo	CHH	-0.1843
Gm11	11509087	11510067	Gmdrm	hypo	CHH	-0.015
Gm11	11527659	11528624	Gmdrm	hypo	CHH	-0.0442
Gm11	11551029	11552029	Gmdrm	hypo	CHH	-0.1577
Gm11	11552049	11553041	Gmdrm	hypo	CHH	-0.0891
Gm11	11558387	11559373	Gmdrm	hypo	CHH	-0.0217
Gm11	11560439	11561169	Gmdrm	hypo	CHH	-0.0319

Gm11	11569317	11570305 Gmdrm	hypo	CHH	-0.0428
Gm11	11570377	11571340 Gmdrm	hypo	CHH	-0.0527
Gm11	11571379	11572372 Gmdrm	hypo	CHH	-0.0952
Gm11	11572381	11572856 Gmdrm	hypo	CHH	-0.1633
Gm11	11572984	11573954 Gmdrm	hypo	CHH	-0.0202
Gm11	11578704	11579662 Gmdrm	hypo	CHH	-0.0166
Gm11	11588661	11589185 Gmdrm	hypo	CHH	-0.0228
Gm11	11590532	11591501 Gmdrm	hypo	CHH	-0.0129
Gm11	11593224	11594219 Gmdrm	hypo	CHH	-0.0368
Gm11	11598570	11599547 Gmdrm	hypo	CHH	-0.0124
Gm11	11606917	11607878 Gmdrm	hypo	CHH	-0.3046
Gm11	11610460	11611451 Gmdrm	hypo	CHH	-0.0225
Gm11	11623554	11623723 Gmdrm	hypo	CHH	-0.043
Gm11	11626795	11627634 Gmdrm	hypo	CHH	-0.0335
Gm11	11638090	11639066 Gmdrm	hypo	CHH	-0.0137
Gm11	11649346	11649467 Gmdrm	hypo	CHH	-0.03
Gm11	11668863	11669860 Gmdrm	hypo	CHH	-0.0418
Gm11	11679410	11680396 Gmdrm	hypo	CHH	-0.046
Gm11	11685347	11686341 Gmdrm	hypo	CHH	-0.0837
Gm11	11697382	11698381 Gmdrm	hypo	CHH	-0.1111
Gm11	11698388	11699247 Gmdrm	hypo	CHH	-0.0578
Gm11	11705485	11706462 Gmdrm	hypo	CHH	-0.0846
Gm11	11706490	11707160 Gmdrm	hypo	CHH	-0.0177
Gm11	11710312	11711309 Gmdrm	hypo	CHH	-0.073
Gm11	11711316	11712310 Gmdrm	hypo	CHH	-0.2281
Gm11	11776882	11777878 Gmdrm	hypo	CHH	-0.0192
Gm11	11785840	11786796 Gmdrm	hypo	CHH	-0.0395
Gm11	11786848	11787012 Gmdrm	hypo	CHH	-0.3412
Gm11	11787117	11787613 Gmdrm	hypo	CHH	-0.2328
Gm11	11787932	11788917 Gmdrm	hypo	CHH	-0.0602
Gm11	11814488	11815487 Gmdrm	hypo	CHH	-0.03
Gm11	11818010	11818994 Gmdrm	hypo	CHH	-0.0312
Gm11	11819015	11820015 Gmdrm	hypo	CHH	-0.0395
Gm11	11856716	11857707 Gmdrm	hypo	CHH	-0.201
Gm11	11857720	11858715 Gmdrm	hypo	CHH	-0.0676
Gm11	11868237	11868615 Gmdrm	hypo	CHH	-0.0359
Gm11	11868914	11869189 Gmdrm	hypo	CHH	-0.0617
Gm11	11869295	11870294 Gmdrm	hypo	CHH	-0.019
Gm11	11870336	11870709 Gmdrm	hypo	CHH	-0.062
Gm11	11870979	11871976 Gmdrm	hypo	CHH	-0.032
Gm11	11872989	11873987 Gmdrm	hypo	CHH	-0.0226
Gm11	11903535	11904479 Gmdrm	hypo	CHH	-0.0192
Gm11	11921433	11922428 Gmdrm	hypo	CHH	-0.1238
Gm11	11922434	11923428 Gmdrm	hypo	CHH	-0.0571
Gm11	11924445	11925434 Gmdrm	hypo	CHH	-0.1677
Gm11	11926221	11927221 Gmdrm	hypo	CHH	-0.0243

Gm11	11927228	11927522	Gmdrm	hypo	CHH	-0.0534
Gm11	11927956	11928949	Gmdrm	hypo	CHH	-0.0922
Gm11	11945521	11946518	Gmdrm	hypo	CHH	-0.1282
Gm11	11946524	11947160	Gmdrm	hypo	CHH	-0.1418
Gm11	11948138	11949130	Gmdrm	hypo	CHH	-0.0257
Gm11	11964398	11965397	Gmdrm	hypo	CHH	-0.0779
Gm11	11965419	11966407	Gmdrm	hypo	CHH	-0.0402
Gm11	11966932	11967146	Gmdrm	hypo	CHH	-0.0729
Gm11	11971396	11972388	Gmdrm	hypo	CHH	-0.0206
Gm11	11972402	11973392	Gmdrm	hypo	CHH	-0.0107
Gm11	11974408	11975407	Gmdrm	hypo	CHH	-0.0513
Gm11	11975413	11976353	Gmdrm	hypo	CHH	-0.0872
Gm11	11978337	11978954	Gmdrm	hypo	CHH	-0.0429
Gm11	11981201	11982195	Gmdrm	hypo	CHH	-0.0489
Gm11	11982210	11983201	Gmdrm	hypo	CHH	-0.0833
Gm11	11988776	11989773	Gmdrm	hypo	CHH	-0.0387
Gm11	11991218	11992211	Gmdrm	hypo	CHH	-0.0995
Gm11	12000034	12001023	Gmdrm	hypo	CHH	-0.0578
Gm11	12001039	12002019	Gmdrm	hypo	CHH	-0.0259
Gm11	12003053	12003971	Gmdrm	hypo	CHH	-0.0367
Gm11	12007479	12008459	Gmdrm	hypo	CHH	-0.0843
Gm11	12013503	12014494	Gmdrm	hypo	CHH	-0.0161
Gm11	12054436	12055428	Gmdrm	hypo	CHH	-0.0871
Gm11	12064276	12065270	Gmdrm	hypo	CHH	-0.0944
Gm11	12065311	12066300	Gmdrm	hypo	CHH	-0.031
Gm11	12067326	12068324	Gmdrm	hypo	CHH	-0.1708
Gm11	12068328	12069292	Gmdrm	hypo	CHH	-0.0616
Gm11	12075375	12076370	Gmdrm	hypo	CHH	-0.2053
Gm11	12076387	12076917	Gmdrm	hypo	CHH	-0.0373
Gm11	12084944	12085943	Gmdrm	hypo	CHH	-0.0097
Gm11	12086767	12087766	Gmdrm	hypo	CHH	-0.0466
Gm11	12089807	12090792	Gmdrm	hypo	CHH	-0.0909
Gm11	12095932	12096920	Gmdrm	hypo	CHH	-0.0723
Gm11	12188380	12188576	Gmdrm	hypo	CHH	-0.077
Gm11	12278766	12279724	Gmdrm	hypo	CHH	-0.0137
Gm11	12286776	12287771	Gmdrm	hypo	CHH	-0.0816
Gm11	12287785	12288772	Gmdrm	hypo	CHH	-0.0611
Gm11	12305181	12305535	Gmdrm	hypo	CHH	-0.06
Gm11	12314573	12315565	Gmdrm	hypo	CHH	-0.0187
Gm11	12330395	12331378	Gmdrm	hypo	CHH	-0.0281
Gm11	12365074	12366030	Gmdrm	hypo	CHH	-0.02
Gm11	12366096	12367096	Gmdrm	hypo	CHH	-0.0282
Gm11	12375660	12376645	Gmdrm	hypo	CHH	-0.0776
Gm11	12389020	12389967	Gmdrm	hypo	CHH	-0.0125
Gm11	12392104	12393103	Gmdrm	hypo	CHH	-0.0642
Gm11	12394130	12395126	Gmdrm	hypo	CHH	-0.182

Gm11	12430867	12431862	Gmdrm	hypo	CHH	-0.0569
Gm11	12459588	12459982	Gmdrm	hypo	CHH	-0.0907
Gm11	12503311	12504308	Gmdrm	hypo	CHH	-0.0306
Gm11	12514211	12514605	Gmdrm	hypo	CHH	-0.081
Gm11	12548536	12548963	Gmdrm	hypo	CHH	-0.0447
Gm11	12563090	12564088	Gmdrm	hypo	CHH	-0.0759
Gm11	12570896	12570993	Gmdrm	hypo	CHH	-0.0746
Gm11	12578756	12579752	Gmdrm	hypo	CHH	-0.067
Gm11	12579758	12580734	Gmdrm	hypo	CHH	-0.0206
Gm11	12583017	12584010	Gmdrm	hypo	CHH	-0.0212
Gm11	12690805	12690962	Gmdrm	hypo	CHH	-0.122
Gm11	12789111	12790110	Gmdrm	hypo	CHH	-0.0473
Gm11	12812514	12812665	Gmdrm	hypo	CHH	-0.05
Gm11	12907274	12908236	Gmdrm	hypo	CHH	-0.0221
Gm11	12917243	12918059	Gmdrm	hypo	CHH	-0.1961
Gm11	13022585	13023582	Gmdrm	hypo	CHH	-0.0276
Gm11	13024624	13024835	Gmdrm	hypo	CHH	-0.0554
Gm11	13025074	13026071	Gmdrm	hypo	CHH	-0.0435
Gm11	13097277	13098232	Gmdrm	hypo	CHH	-0.0939
Gm11	13101888	13102880	Gmdrm	hypo	CHH	-0.0833
Gm11	13102889	13103602	Gmdrm	hypo	CHH	-0.0601
Gm11	13104846	13105836	Gmdrm	hypo	CHH	-0.0251
Gm11	13105852	13106537	Gmdrm	hypo	CHH	-0.0258
Gm11	13106651	13107024	Gmdrm	hypo	CHH	-0.0173
Gm11	13184080	13185055	Gmdrm	hypo	CHH	-0.0241
Gm11	13185088	13186085	Gmdrm	hypo	CHH	-0.0166
Gm11	13186105	13187105	Gmdrm	hypo	CHH	-0.0339
Gm11	13210542	13211136	Gmdrm	hypo	CHH	-0.0463
Gm11	13252966	13253123	Gmdrm	hypo	CHH	-0.165
Gm11	13323048	13323140	Gmdrm	hypo	CHH	-0.1163
Gm11	13511824	13512811	Gmdrm	hypo	CHH	-0.0226
Gm11	13621403	13621838	Gmdrm	hypo	CHH	-0.0423
Gm11	13651542	13652528	Gmdrm	hypo	CHH	-0.158
Gm11	13655364	13655649	Gmdrm	hypo	CHH	-0.0881
Gm11	13659747	13660747	Gmdrm	hypo	CHH	-0.0838
Gm11	13660751	13661738	Gmdrm	hypo	CHH	-0.0389
Gm11	13829900	13830898	Gmdrm	hypo	CHH	-0.0202
Gm11	13830916	13831903	Gmdrm	hypo	CHH	-0.0179
Gm11	13833303	13834292	Gmdrm	hypo	CHH	-0.1067
Gm11	13867539	13868532	Gmdrm	hypo	CHH	-0.0303
Gm11	14046997	14047997	Gmdrm	hypo	CHH	-0.0182
Gm11	14162570	14163569	Gmdrm	hypo	CHH	-0.114
Gm11	14163574	14164572	Gmdrm	hypo	CHH	-0.0755
Gm11	14182308	14183305	Gmdrm	hypo	CHH	-0.1067
Gm11	14189356	14190351	Gmdrm	hypo	CHH	-0.0609
Gm11	14377781	14378758	Gmdrm	hypo	CHH	-0.0335

Gm11	14378804	14379794	Gmdrm	hypo	CHH	-0.0721
Gm11	14381411	14382346	Gmdrm	hypo	CHH	-0.0549
Gm11	14395757	14396753	Gmdrm	hypo	CHH	-0.0818
Gm11	14400681	14401680	Gmdrm	hypo	CHH	-0.0797
Gm11	14407672	14408658	Gmdrm	hypo	CHH	-0.0259
Gm11	14408681	14409667	Gmdrm	hypo	CHH	-0.1136
Gm11	14413429	14414428	Gmdrm	hypo	CHH	-0.1129
Gm11	14436460	14437433	Gmdrm	hypo	CHH	-0.0099
Gm11	14437825	14438776	Gmdrm	hypo	CHH	-0.0428
Gm11	14438837	14439834	Gmdrm	hypo	CHH	-0.0628
Gm11	14439838	14440819	Gmdrm	hypo	CHH	-0.0566
Gm11	14447510	14448198	Gmdrm	hypo	CHH	-0.0867
Gm11	14453501	14454088	Gmdrm	hypo	CHH	-0.0275
Gm11	14456480	14457470	Gmdrm	hypo	CHH	-0.0323
Gm11	14461832	14462808	Gmdrm	hypo	CHH	-0.0567
Gm11	14463881	14464871	Gmdrm	hypo	CHH	-0.0264
Gm11	14464883	14465858	Gmdrm	hypo	CHH	-0.088
Gm11	14465900	14466891	Gmdrm	hypo	CHH	-0.0144
Gm11	14477991	14478986	Gmdrm	hypo	CHH	-0.1143
Gm11	14480242	14481231	Gmdrm	hypo	CHH	-0.1267
Gm11	14481261	14482257	Gmdrm	hypo	CHH	-0.1478
Gm11	14482263	14482861	Gmdrm	hypo	CHH	-0.1306
Gm11	14482969	14483945	Gmdrm	hypo	CHH	-0.0764
Gm11	14483999	14484993	Gmdrm	hypo	CHH	-0.0317
Gm11	14485002	14485878	Gmdrm	hypo	CHH	-0.0292
Gm11	14485994	14486994	Gmdrm	hypo	CHH	-0.0409
Gm11	14488033	14489032	Gmdrm	hypo	CHH	-0.0156
Gm11	14492924	14493921	Gmdrm	hypo	CHH	-0.0372
Gm11	14498635	14499142	Gmdrm	hypo	CHH	-0.0362
Gm11	14500853	14501852	Gmdrm	hypo	CHH	-0.1458
Gm11	14501902	14502884	Gmdrm	hypo	CHH	-0.09
Gm11	14520191	14521158	Gmdrm	hypo	CHH	-0.0431
Gm11	14524216	14525215	Gmdrm	hypo	CHH	-0.0725
Gm11	14525226	14526215	Gmdrm	hypo	CHH	-0.1008
Gm11	14526255	14527168	Gmdrm	hypo	CHH	-0.0233
Gm11	14528879	14529878	Gmdrm	hypo	CHH	-0.1937
Gm11	14529892	14530875	Gmdrm	hypo	CHH	-0.0419
Gm11	14535379	14536240	Gmdrm	hypo	CHH	-0.0703
Gm11	14556877	14557867	Gmdrm	hypo	CHH	-0.2095
Gm11	14561751	14562749	Gmdrm	hypo	CHH	-0.0316
Gm11	14563785	14564763	Gmdrm	hypo	CHH	-0.0524
Gm11	14564786	14565785	Gmdrm	hypo	CHH	-0.0463
Gm11	14566791	14567784	Gmdrm	hypo	CHH	-0.0653
Gm11	14567798	14568575	Gmdrm	hypo	CHH	-0.3501
Gm11	14572516	14573496	Gmdrm	hypo	CHH	-0.0231
Gm11	14573555	14574524	Gmdrm	hypo	CHH	-0.0171

Gm11	14601827	14602133	Gmdrm	hypo	CHH	-0.0343
Gm11	14603966	14604926	Gmdrm	hypo	CHH	-0.1974
Gm11	14604990	14605944	Gmdrm	hypo	CHH	-0.1555
Gm11	14608975	14609913	Gmdrm	hypo	CHH	-0.0157
Gm11	14610950	14611950	Gmdrm	hypo	CHH	-0.0402
Gm11	14611959	14612956	Gmdrm	hypo	CHH	-0.0434
Gm11	14612960	14613603	Gmdrm	hypo	CHH	-0.0335
Gm11	14630265	14631257	Gmdrm	hypo	CHH	-0.0888
Gm11	14631274	14631793	Gmdrm	hypo	CHH	-0.0775
Gm11	14632163	14633150	Gmdrm	hypo	CHH	-0.0515
Gm11	14633176	14634175	Gmdrm	hypo	CHH	-0.0565
Gm11	14695104	14696102	Gmdrm	hypo	CHH	-0.0216
Gm11	14703828	14704821	Gmdrm	hypo	CHH	-0.1036
Gm11	14709061	14710049	Gmdrm	hypo	CHH	-0.0233
Gm11	14710357	14711315	Gmdrm	hypo	CHH	-0.0189
Gm11	14727681	14728655	Gmdrm	hypo	CHH	-0.0133
Gm11	14734046	14735043	Gmdrm	hypo	CHH	-0.0196
Gm11	14759089	14760086	Gmdrm	hypo	CHH	-0.0176
Gm11	14760101	14760694	Gmdrm	hypo	CHH	-0.0218
Gm11	14788268	14788341	Gmdrm	hypo	CHH	-0.0963
Gm11	14816904	14817561	Gmdrm	hypo	CHH	-0.0519
Gm11	14817942	14818899	Gmdrm	hypo	CHH	-0.0198
Gm11	14819968	14820959	Gmdrm	hypo	CHH	-0.0514
Gm11	14821016	14821955	Gmdrm	hypo	CHH	-0.0294
Gm11	14830126	14831109	Gmdrm	hypo	CHH	-0.011
Gm11	14832200	14833199	Gmdrm	hypo	CHH	-0.2177
Gm11	14833202	14834199	Gmdrm	hypo	CHH	-0.0532
Gm11	14845025	14846002	Gmdrm	hypo	CHH	-0.0179
Gm11	14878249	14879230	Gmdrm	hypo	CHH	-0.309
Gm11	14879253	14880250	Gmdrm	hypo	CHH	-0.0562
Gm11	14889732	14890721	Gmdrm	hypo	CHH	-0.0609
Gm11	14891459	14892459	Gmdrm	hypo	CHH	-0.06
Gm11	14892460	14893447	Gmdrm	hypo	CHH	-0.0599
Gm11	14901807	14901966	Gmdrm	hypo	CHH	-0.03
Gm11	14904961	14905955	Gmdrm	hypo	CHH	-0.0132
Gm11	14907359	14908359	Gmdrm	hypo	CHH	-0.1021
Gm11	14918484	14919482	Gmdrm	hypo	CHH	-0.0119
Gm11	14921394	14922380	Gmdrm	hypo	CHH	-0.0134
Gm11	14922423	14923377	Gmdrm	hypo	CHH	-0.025
Gm11	14924477	14925475	Gmdrm	hypo	CHH	-0.126
Gm11	14936225	14937212	Gmdrm	hypo	CHH	-0.019
Gm11	14940912	14941906	Gmdrm	hypo	CHH	-0.0214
Gm11	14954432	14954501	Gmdrm	hypo	CHH	-0.0471
Gm11	14955946	14956939	Gmdrm	hypo	CHH	-0.0387
Gm11	14956950	14957936	Gmdrm	hypo	CHH	-0.044
Gm11	14957952	14958944	Gmdrm	hypo	CHH	-0.0343

Gm11	14958956	14959814	Gmdrm	hypo	CHH	-0.0276
Gm11	14961932	14962270	Gmdrm	hypo	CHH	-0.0227
Gm11	14966214	14967042	Gmdrm	hypo	CHH	-0.0731
Gm11	14967392	14968355	Gmdrm	hypo	CHH	-0.205
Gm11	14976469	14977467	Gmdrm	hypo	CHH	-0.2076
Gm11	14977470	14977923	Gmdrm	hypo	CHH	-0.0512
Gm11	14990099	14991090	Gmdrm	hypo	CHH	-0.0375
Gm11	14992186	14993183	Gmdrm	hypo	CHH	-0.0233
Gm11	14993187	14993535	Gmdrm	hypo	CHH	-0.0924
Gm11	14993971	14994969	Gmdrm	hypo	CHH	-0.0387
Gm11	15009971	15010967	Gmdrm	hypo	CHH	-0.0394
Gm11	15010974	15011974	Gmdrm	hypo	CHH	-0.0576
Gm11	15013993	15014986	Gmdrm	hypo	CHH	-0.0647
Gm11	15015025	15016018	Gmdrm	hypo	CHH	-0.0173
Gm11	15016029	15017029	Gmdrm	hypo	CHH	-0.0964
Gm11	15017033	15017823	Gmdrm	hypo	CHH	-0.2063
Gm11	15021505	15022494	Gmdrm	hypo	CHH	-0.1071
Gm11	15022509	15023490	Gmdrm	hypo	CHH	-0.0609
Gm11	15023511	15024163	Gmdrm	hypo	CHH	-0.1395
Gm11	15025272	15026251	Gmdrm	hypo	CHH	-0.0431
Gm11	15026276	15027275	Gmdrm	hypo	CHH	-0.0411
Gm11	15036199	15036424	Gmdrm	hypo	CHH	-0.0471
Gm11	15036527	15036605	Gmdrm	hypo	CHH	-0.0486
Gm11	15037712	15038690	Gmdrm	hypo	CHH	-0.0691
Gm11	15038719	15038821	Gmdrm	hypo	CHH	-0.0538
Gm11	15052446	15053400	Gmdrm	hypo	CHH	-0.0168
Gm11	15054511	15055483	Gmdrm	hypo	CHH	-0.1857
Gm11	15056537	15057528	Gmdrm	hypo	CHH	-0.2188
Gm11	15057558	15058552	Gmdrm	hypo	CHH	-0.0593
Gm11	15066907	15067906	Gmdrm	hypo	CHH	-0.0285
Gm11	15067911	15068902	Gmdrm	hypo	CHH	-0.0862
Gm11	15070411	15071330	Gmdrm	hypo	CHH	-0.0916
Gm11	15077985	15078985	Gmdrm	hypo	CHH	-0.0151
Gm11	15081728	15082724	Gmdrm	hypo	CHH	-0.0135
Gm11	15086294	15087292	Gmdrm	hypo	CHH	-0.0788
Gm11	15101101	15102100	Gmdrm	hypo	CHH	-0.0281
Gm11	15102115	15103114	Gmdrm	hypo	CHH	-0.1248
Gm11	15106132	15107103	Gmdrm	hypo	CHH	-0.0173
Gm11	15113579	15114138	Gmdrm	hypo	CHH	-0.0281
Gm11	15120656	15121654	Gmdrm	hypo	CHH	-0.1503
Gm11	15122663	15123661	Gmdrm	hypo	CHH	-0.0847
Gm11	15128682	15129625	Gmdrm	hypo	CHH	-0.0378
Gm11	15136311	15137302	Gmdrm	hypo	CHH	-0.0527
Gm11	15141605	15142602	Gmdrm	hypo	CHH	-0.0508
Gm11	15142609	15143575	Gmdrm	hypo	CHH	-0.0518
Gm11	15144618	15145607	Gmdrm	hypo	CHH	-0.0205

Gm11	15151651	15152478	Gmdrm	hypo	CHH	-0.0587
Gm11	15155143	15156059	Gmdrm	hypo	CHH	-0.2023
Gm11	15161709	15162657	Gmdrm	hypo	CHH	-0.065
Gm11	15162922	15163871	Gmdrm	hypo	CHH	-0.0114
Gm11	15200115	15201108	Gmdrm	hypo	CHH	-0.0432
Gm11	15211437	15212238	Gmdrm	hypo	CHH	-0.236
Gm11	15214185	15215163	Gmdrm	hypo	CHH	-0.0717
Gm11	15248820	15249820	Gmdrm	hypo	CHH	-0.1005
Gm11	15249831	15250784	Gmdrm	hypo	CHH	-0.088
Gm11	15251117	15252116	Gmdrm	hypo	CHH	-0.0594
Gm11	15259801	15260796	Gmdrm	hypo	CHH	-0.0586
Gm11	15261806	15262789	Gmdrm	hypo	CHH	-0.0615
Gm11	15311112	15311594	Gmdrm	hypo	CHH	-0.0312
Gm11	15312459	15313442	Gmdrm	hypo	CHH	-0.0194
Gm11	15317608	15318608	Gmdrm	hypo	CHH	-0.0627
Gm11	15325651	15326646	Gmdrm	hypo	CHH	-0.0594
Gm11	15354041	15355039	Gmdrm	hypo	CHH	-0.0122
Gm11	15359561	15360540	Gmdrm	hypo	CHH	-0.1062
Gm11	15360565	15361542	Gmdrm	hypo	CHH	-0.1455
Gm11	15361585	15362576	Gmdrm	hypo	CHH	-0.0209
Gm11	15362962	15363952	Gmdrm	hypo	CHH	-0.0174
Gm11	15383028	15384023	Gmdrm	hypo	CHH	-0.0205
Gm11	15389379	15390368	Gmdrm	hypo	CHH	-0.0443
Gm11	15390383	15391379	Gmdrm	hypo	CHH	-0.095
Gm11	15393854	15394294	Gmdrm	hypo	CHH	-0.0263
Gm11	15442881	15443878	Gmdrm	hypo	CHH	-0.1312
Gm11	15452951	15453877	Gmdrm	hypo	CHH	-0.0579
Gm11	15461926	15462899	Gmdrm	hypo	CHH	-0.0211
Gm11	15465763	15466712	Gmdrm	hypo	CHH	-0.0364
Gm11	15469326	15470325	Gmdrm	hypo	CHH	-0.0347
Gm11	15471347	15472347	Gmdrm	hypo	CHH	-0.1551
Gm11	15472348	15473347	Gmdrm	hypo	CHH	-0.0613
Gm11	15473351	15474348	Gmdrm	hypo	CHH	-0.0289
Gm11	15474375	15475373	Gmdrm	hypo	CHH	-0.0827
Gm11	15475378	15476125	Gmdrm	hypo	CHH	-0.1107
Gm11	15483292	15484292	Gmdrm	hypo	CHH	-0.0436
Gm11	15484294	15484922	Gmdrm	hypo	CHH	-0.1031
Gm11	15487232	15488224	Gmdrm	hypo	CHH	-0.0908
Gm11	15495281	15495905	Gmdrm	hypo	CHH	-0.0615
Gm11	15500467	15501466	Gmdrm	hypo	CHH	-0.0987
Gm11	15501473	15501755	Gmdrm	hypo	CHH	-0.0348
Gm11	15517392	15518377	Gmdrm	hypo	CHH	-0.0501
Gm11	15518414	15519407	Gmdrm	hypo	CHH	-0.1043
Gm11	15519437	15520431	Gmdrm	hypo	CHH	-0.1562
Gm11	15524446	15525403	Gmdrm	hypo	CHH	-0.0236
Gm11	15526595	15527589	Gmdrm	hypo	CHH	-0.0231

Gm11	15527603	15528574	Gmdrm	hypo	CHH	-0.0454
Gm11	15529615	15530608	Gmdrm	hypo	CHH	-0.3651
Gm11	15541328	15542326	Gmdrm	hypo	CHH	-0.1073
Gm11	15542334	15543330	Gmdrm	hypo	CHH	-0.0274
Gm11	15551167	15552150	Gmdrm	hypo	CHH	-0.0854
Gm11	15552230	15553178	Gmdrm	hypo	CHH	-0.0343
Gm11	15569944	15570943	Gmdrm	hypo	CHH	-0.0941
Gm11	15587329	15588319	Gmdrm	hypo	CHH	-0.0182
Gm11	15591121	15592099	Gmdrm	hypo	CHH	-0.0374
Gm11	15592123	15593088	Gmdrm	hypo	CHH	-0.0237
Gm11	15612429	15613422	Gmdrm	hypo	CHH	-0.0212
Gm11	15615451	15616449	Gmdrm	hypo	CHH	-0.085
Gm11	15620511	15621499	Gmdrm	hypo	CHH	-0.0652
Gm11	15621522	15621831	Gmdrm	hypo	CHH	-0.0184
Gm11	15624782	15625346	Gmdrm	hypo	CHH	-0.0188
Gm11	15625450	15626437	Gmdrm	hypo	CHH	-0.012
Gm11	15633717	15634702	Gmdrm	hypo	CHH	-0.0457
Gm11	15634723	15635374	Gmdrm	hypo	CHH	-0.2336
Gm11	15636896	15637892	Gmdrm	hypo	CHH	-0.0382
Gm11	15671047	15672036	Gmdrm	hypo	CHH	-0.0383
Gm11	15679295	15680288	Gmdrm	hypo	CHH	-0.0185
Gm11	15684912	15685906	Gmdrm	hypo	CHH	-0.0321
Gm11	15685931	15686931	Gmdrm	hypo	CHH	-0.0311
Gm11	15717918	15718911	Gmdrm	hypo	CHH	-0.0874
Gm11	15731515	15732494	Gmdrm	hypo	CHH	-0.1129
Gm11	15737448	15738448	Gmdrm	hypo	CHH	-0.1625
Gm11	15741511	15742137	Gmdrm	hypo	CHH	-0.0348
Gm11	15742250	15743245	Gmdrm	hypo	CHH	-0.1277
Gm11	15743255	15744240	Gmdrm	hypo	CHH	-0.0598
Gm11	15745277	15745729	Gmdrm	hypo	CHH	-0.0182
Gm11	15745882	15745936	Gmdrm	hypo	CHH	-0.259
Gm11	15746251	15747250	Gmdrm	hypo	CHH	-0.1971
Gm11	15748267	15749264	Gmdrm	hypo	CHH	-0.1041
Gm11	15749278	15750269	Gmdrm	hypo	CHH	-0.132
Gm11	15757280	15757949	Gmdrm	hypo	CHH	-0.0176
Gm11	15769965	15770962	Gmdrm	hypo	CHH	-0.0594
Gm11	15773979	15774806	Gmdrm	hypo	CHH	-0.0867
Gm11	15777173	15778151	Gmdrm	hypo	CHH	-0.0853
Gm11	15794862	15795851	Gmdrm	hypo	CHH	-0.0627
Gm11	15800947	15801934	Gmdrm	hypo	CHH	-0.0131
Gm11	15815726	15816721	Gmdrm	hypo	CHH	-0.0406
Gm11	15829811	15830803	Gmdrm	hypo	CHH	-0.1279
Gm11	15834863	15835862	Gmdrm	hypo	CHH	-0.0244
Gm11	15836925	15837167	Gmdrm	hypo	CHH	-0.0336
Gm11	15844284	15845272	Gmdrm	hypo	CHH	-0.0134
Gm11	15849503	15849776	Gmdrm	hypo	CHH	-0.0572

Gm11	15854825	15855804	Gmdrm	hypo	CHH	-0.0118
Gm11	15856247	15857234	Gmdrm	hypo	CHH	-0.044
Gm11	15874232	15874988	Gmdrm	hypo	CHH	-0.0403
Gm11	15877164	15878133	Gmdrm	hypo	CHH	-0.0454
Gm11	15882916	15883888	Gmdrm	hypo	CHH	-0.0181
Gm11	15887502	15887579	Gmdrm	hypo	CHH	-0.0377
Gm11	15889819	15890765	Gmdrm	hypo	CHH	-0.0166
Gm11	15893424	15894415	Gmdrm	hypo	CHH	-0.0579
Gm11	15898482	15899475	Gmdrm	hypo	CHH	-0.0402
Gm11	15902547	15903544	Gmdrm	hypo	CHH	-0.0661
Gm11	15903580	15904551	Gmdrm	hypo	CHH	-0.0337
Gm11	15904584	15905580	Gmdrm	hypo	CHH	-0.0387
Gm11	15910875	15911868	Gmdrm	hypo	CHH	-0.057
Gm11	15911878	15912875	Gmdrm	hypo	CHH	-0.061
Gm11	15916615	15917611	Gmdrm	hypo	CHH	-0.0497
Gm11	15917991	15918985	Gmdrm	hypo	CHH	-0.0972
Gm11	15918996	15919978	Gmdrm	hypo	CHH	-0.0825
Gm11	15931846	15932846	Gmdrm	hypo	CHH	-0.0158
Gm11	15938318	15939308	Gmdrm	hypo	CHH	-0.0421
Gm11	15939320	15940320	Gmdrm	hypo	CHH	-0.0647
Gm11	15941180	15942164	Gmdrm	hypo	CHH	-0.0196
Gm11	15947369	15948364	Gmdrm	hypo	CHH	-0.0502
Gm11	15951463	15952459	Gmdrm	hypo	CHH	-0.0845
Gm11	15972048	15973030	Gmdrm	hypo	CHH	-0.0526
Gm11	15976035	15977019	Gmdrm	hypo	CHH	-0.2401
Gm11	15977055	15978048	Gmdrm	hypo	CHH	-0.0515
Gm11	15984859	15985859	Gmdrm	hypo	CHH	-0.053
Gm11	15985861	15986839	Gmdrm	hypo	CHH	-0.1556
Gm11	15990976	15991973	Gmdrm	hypo	CHH	-0.0676
Gm11	16030516	16031508	Gmdrm	hypo	CHH	-0.0659
Gm11	16032298	16033295	Gmdrm	hypo	CHH	-0.0321
Gm11	16049447	16050430	Gmdrm	hypo	CHH	-0.0167
Gm11	16061757	16062728	Gmdrm	hypo	CHH	-0.07
Gm11	16062784	16063776	Gmdrm	hypo	CHH	-0.04
Gm11	16070561	16071539	Gmdrm	hypo	CHH	-0.0225
Gm11	16071587	16071704	Gmdrm	hypo	CHH	-0.0467
Gm11	16081046	16081516	Gmdrm	hypo	CHH	-0.0212
Gm11	16082313	16083306	Gmdrm	hypo	CHH	-0.024
Gm11	16091909	16092908	Gmdrm	hypo	CHH	-0.0608
Gm11	16092931	16093911	Gmdrm	hypo	CHH	-0.0418
Gm11	16101937	16102889	Gmdrm	hypo	CHH	-0.0232
Gm11	16105214	16106182	Gmdrm	hypo	CHH	-0.0291
Gm11	16113209	16114205	Gmdrm	hypo	CHH	-0.0391
Gm11	16114211	16115211	Gmdrm	hypo	CHH	-0.0763
Gm11	16119231	16120231	Gmdrm	hypo	CHH	-0.1731
Gm11	16120251	16121236	Gmdrm	hypo	CHH	-0.116

Gm11	16123469	16124468	Gmdrm	hypo	CHH	-0.0314
Gm11	16132118	16133085	Gmdrm	hypo	CHH	-0.0646
Gm11	16140971	16141966	Gmdrm	hypo	CHH	-0.0888
Gm11	16142986	16143970	Gmdrm	hypo	CHH	-0.0297
Gm11	16148011	16148208	Gmdrm	hypo	CHH	-0.0244
Gm11	16151981	16152976	Gmdrm	hypo	CHH	-0.0266
Gm11	16155430	16156420	Gmdrm	hypo	CHH	-0.1889
Gm11	16165079	16166040	Gmdrm	hypo	CHH	-0.075
Gm11	16168184	16169184	Gmdrm	hypo	CHH	-0.0345
Gm11	16169200	16170185	Gmdrm	hypo	CHH	-0.0268
Gm11	16171282	16172278	Gmdrm	hypo	CHH	-0.0268
Gm11	16178390	16178956	Gmdrm	hypo	CHH	-0.0194
Gm11	16198970	16199957	Gmdrm	hypo	CHH	-0.0578
Gm11	16207746	16208743	Gmdrm	hypo	CHH	-0.0258
Gm11	16209807	16210682	Gmdrm	hypo	CHH	-0.0224
Gm11	16214319	16215314	Gmdrm	hypo	CHH	-0.0255
Gm11	16215325	16216323	Gmdrm	hypo	CHH	-0.028
Gm11	16216328	16217326	Gmdrm	hypo	CHH	-0.0313
Gm11	16217337	16218337	Gmdrm	hypo	CHH	-0.1036
Gm11	16219349	16219863	Gmdrm	hypo	CHH	-0.0237
Gm11	16239891	16240623	Gmdrm	hypo	CHH	-0.058
Gm11	16241978	16242201	Gmdrm	hypo	CHH	-0.1562
Gm11	16243348	16244346	Gmdrm	hypo	CHH	-0.0343
Gm11	16244349	16245346	Gmdrm	hypo	CHH	-0.0573
Gm11	16247382	16248356	Gmdrm	hypo	CHH	-0.1928
Gm11	16257572	16258555	Gmdrm	hypo	CHH	-0.02
Gm11	16262610	16263592	Gmdrm	hypo	CHH	-0.0195
Gm11	16266956	16267944	Gmdrm	hypo	CHH	-0.0159
Gm11	16268976	16269968	Gmdrm	hypo	CHH	-0.0139
Gm11	16269984	16270778	Gmdrm	hypo	CHH	-0.0365
Gm11	16272225	16273225	Gmdrm	hypo	CHH	-0.0797
Gm11	16282285	16283277	Gmdrm	hypo	CHH	-0.0519
Gm11	16307376	16308376	Gmdrm	hypo	CHH	-0.1176
Gm11	16310039	16311015	Gmdrm	hypo	CHH	-0.0978
Gm11	16316067	16317028	Gmdrm	hypo	CHH	-0.0845
Gm11	16320420	16321420	Gmdrm	hypo	CHH	-0.0158
Gm11	16323202	16324198	Gmdrm	hypo	CHH	-0.0223
Gm11	16331667	16332660	Gmdrm	hypo	CHH	-0.0153
Gm11	16336701	16337222	Gmdrm	hypo	CHH	-0.1766
Gm11	16339462	16340462	Gmdrm	hypo	CHH	-0.1398
Gm11	16343524	16344498	Gmdrm	hypo	CHH	-0.0136
Gm11	16346353	16346815	Gmdrm	hypo	CHH	-0.0119
Gm11	16349113	16350111	Gmdrm	hypo	CHH	-0.0499
Gm11	16355323	16356323	Gmdrm	hypo	CHH	-0.0237
Gm11	16357486	16358281	Gmdrm	hypo	CHH	-0.0135
Gm11	16358662	16359662	Gmdrm	hypo	CHH	-0.151

Gm11	16363697	16364693	Gmdrm	hypo	CHH	-0.04
Gm11	16364698	16365697	Gmdrm	hypo	CHH	-0.0696
Gm11	16366710	16367469	Gmdrm	hypo	CHH	-0.0741
Gm11	16371573	16372555	Gmdrm	hypo	CHH	-0.016
Gm11	16386977	16387428	Gmdrm	hypo	CHH	-0.0692
Gm11	16389888	16390206	Gmdrm	hypo	CHH	-0.065
Gm11	16392978	16393959	Gmdrm	hypo	CHH	-0.05
Gm11	16394010	16394963	Gmdrm	hypo	CHH	-0.0652
Gm11	16404766	16405764	Gmdrm	hypo	CHH	-0.0216
Gm11	16405767	16406767	Gmdrm	hypo	CHH	-0.0469
Gm11	16406774	16407761	Gmdrm	hypo	CHH	-0.1249
Gm11	16410860	16411458	Gmdrm	hypo	CHH	-0.0537
Gm11	16417527	16418522	Gmdrm	hypo	CHH	-0.1033
Gm11	16418531	16419522	Gmdrm	hypo	CHH	-0.1602
Gm11	16422463	16423460	Gmdrm	hypo	CHH	-0.207
Gm11	16426490	16427483	Gmdrm	hypo	CHH	-0.0674
Gm11	16427492	16428021	Gmdrm	hypo	CHH	-0.1774
Gm11	16431211	16432209	Gmdrm	hypo	CHH	-0.0175
Gm11	16434170	16435166	Gmdrm	hypo	CHH	-0.0183
Gm11	16435172	16436158	Gmdrm	hypo	CHH	-0.0347
Gm11	16438642	16438948	Gmdrm	hypo	CHH	-0.0581
Gm11	16440904	16441138	Gmdrm	hypo	CHH	-0.1611
Gm11	16443274	16444265	Gmdrm	hypo	CHH	-0.0196
Gm11	16444279	16445274	Gmdrm	hypo	CHH	-0.0257
Gm11	16445285	16446284	Gmdrm	hypo	CHH	-0.0698
Gm11	16446288	16447286	Gmdrm	hypo	CHH	-0.077
Gm11	16450919	16451346	Gmdrm	hypo	CHH	-0.0317
Gm11	16460273	16461253	Gmdrm	hypo	CHH	-0.0681
Gm11	16461311	16462295	Gmdrm	hypo	CHH	-0.016
Gm11	16462312	16463271	Gmdrm	hypo	CHH	-0.0238
Gm11	16478538	16479506	Gmdrm	hypo	CHH	-0.015
Gm11	16484302	16485302	Gmdrm	hypo	CHH	-0.027
Gm11	16500722	16501721	Gmdrm	hypo	CHH	-0.0381
Gm11	16501729	16502727	Gmdrm	hypo	CHH	-0.0776
Gm11	16502733	16503729	Gmdrm	hypo	CHH	-0.0624
Gm11	16507741	16508721	Gmdrm	hypo	CHH	-0.0997
Gm11	16513282	16514263	Gmdrm	hypo	CHH	-0.026
Gm11	16518960	16519954	Gmdrm	hypo	CHH	-0.2772
Gm11	16529700	16530669	Gmdrm	hypo	CHH	-0.0555
Gm11	16531411	16532408	Gmdrm	hypo	CHH	-0.1181
Gm11	16548623	16549618	Gmdrm	hypo	CHH	-0.0796
Gm11	16553715	16554714	Gmdrm	hypo	CHH	-0.0176
Gm11	16554726	16555715	Gmdrm	hypo	CHH	-0.0181
Gm11	16560812	16561809	Gmdrm	hypo	CHH	-0.1175
Gm11	16571540	16572194	Gmdrm	hypo	CHH	-0.0209
Gm11	16574401	16575364	Gmdrm	hypo	CHH	-0.042

Gm11	16577429	16578427	Gmdrm	hypo	CHH	-0.0314
Gm11	16578450	16579444	Gmdrm	hypo	CHH	-0.0843
Gm11	16579451	16580416	Gmdrm	hypo	CHH	-0.1034
Gm11	16592349	16593337	Gmdrm	hypo	CHH	-0.044
Gm11	16593360	16594343	Gmdrm	hypo	CHH	-0.1653
Gm11	16596417	16597410	Gmdrm	hypo	CHH	-0.0153
Gm11	16610283	16611278	Gmdrm	hypo	CHH	-0.0355
Gm11	16615874	16616845	Gmdrm	hypo	CHH	-0.2937
Gm11	16623139	16624138	Gmdrm	hypo	CHH	-0.2452
Gm11	16629040	16630039	Gmdrm	hypo	CHH	-0.0317
Gm11	16630075	16631071	Gmdrm	hypo	CHH	-0.0336
Gm11	16632078	16633074	Gmdrm	hypo	CHH	-0.0217
Gm11	16638236	16639217	Gmdrm	hypo	CHH	-0.0834
Gm11	16661110	16662108	Gmdrm	hypo	CHH	-0.038
Gm11	16706594	16707580	Gmdrm	hypo	CHH	-0.0385
Gm11	16710634	16711515	Gmdrm	hypo	CHH	-0.0284
Gm11	16712627	16713597	Gmdrm	hypo	CHH	-0.0167
Gm11	16715489	16716456	Gmdrm	hypo	CHH	-0.0245
Gm11	16716563	16717538	Gmdrm	hypo	CHH	-0.0484
Gm11	16720300	16721289	Gmdrm	hypo	CHH	-0.2856
Gm11	16721319	16722305	Gmdrm	hypo	CHH	-0.0445
Gm11	16728989	16729958	Gmdrm	hypo	CHH	-0.0134
Gm11	16730360	16731333	Gmdrm	hypo	CHH	-0.0231
Gm11	16737372	16738278	Gmdrm	hypo	CHH	-0.0168
Gm11	16741592	16742093	Gmdrm	hypo	CHH	-0.0443
Gm11	16744222	16745220	Gmdrm	hypo	CHH	-0.1278
Gm11	16745225	16746224	Gmdrm	hypo	CHH	-0.1096
Gm11	16747252	16748250	Gmdrm	hypo	CHH	-0.0155
Gm11	16748265	16749087	Gmdrm	hypo	CHH	-0.0381
Gm11	16753247	16754230	Gmdrm	hypo	CHH	-0.0526
Gm11	16762414	16763048	Gmdrm	hypo	CHH	-0.1434
Gm11	16764201	16765199	Gmdrm	hypo	CHH	-0.1245
Gm11	16772880	16773876	Gmdrm	hypo	CHH	-0.0888
Gm11	16776920	16777910	Gmdrm	hypo	CHH	-0.0252
Gm11	16784337	16784691	Gmdrm	hypo	CHH	-0.0582
Gm11	16802872	16803083	Gmdrm	hypo	CHH	-0.0379
Gm11	16806198	16807193	Gmdrm	hypo	CHH	-0.0134
Gm11	16814887	16815880	Gmdrm	hypo	CHH	-0.0947
Gm11	16818900	16819894	Gmdrm	hypo	CHH	-0.0517
Gm11	16819901	16820627	Gmdrm	hypo	CHH	-0.1684
Gm11	16822451	16823444	Gmdrm	hypo	CHH	-0.1325
Gm11	16823455	16824426	Gmdrm	hypo	CHH	-0.0798
Gm11	16828541	16829541	Gmdrm	hypo	CHH	-0.0192
Gm11	16831428	16832428	Gmdrm	hypo	CHH	-0.0139
Gm11	16869368	16869997	Gmdrm	hypo	CHH	-0.05
Gm11	16882422	16883391	Gmdrm	hypo	CHH	-0.0331

Gm11	16885528	16886528	Gmdrm	hypo	CHH	-0.0449
Gm11	16897205	16898183	Gmdrm	hypo	CHH	-0.2899
Gm11	16898207	16899196	Gmdrm	hypo	CHH	-0.0085
Gm11	16907277	16907417	Gmdrm	hypo	CHH	-0.0645
Gm11	16909914	16910901	Gmdrm	hypo	CHH	-0.0316
Gm11	16912943	16913916	Gmdrm	hypo	CHH	-0.0722
Gm11	16922119	16923119	Gmdrm	hypo	CHH	-0.017
Gm11	16923120	16923871	Gmdrm	hypo	CHH	-0.0435
Gm11	16929766	16930742	Gmdrm	hypo	CHH	-0.1713
Gm11	16935709	16936693	Gmdrm	hypo	CHH	-0.0438
Gm11	16936715	16937002	Gmdrm	hypo	CHH	-0.0395
Gm11	16946178	16947170	Gmdrm	hypo	CHH	-0.0218
Gm11	16947179	16948166	Gmdrm	hypo	CHH	-0.0152
Gm11	16949181	16950149	Gmdrm	hypo	CHH	-0.0471
Gm11	16975349	16976124	Gmdrm	hypo	CHH	-0.0142
Gm11	16978271	16978873	Gmdrm	hypo	CHH	-0.0435
Gm11	16987789	16988779	Gmdrm	hypo	CHH	-0.032
Gm11	17002650	17003487	Gmdrm	hypo	CHH	-0.0235
Gm11	17012911	17013633	Gmdrm	hypo	CHH	-0.0274
Gm11	17013737	17014714	Gmdrm	hypo	CHH	-0.0219
Gm11	17015624	17016608	Gmdrm	hypo	CHH	-0.0094
Gm11	17018164	17019155	Gmdrm	hypo	CHH	-0.0293
Gm11	17019168	17020157	Gmdrm	hypo	CHH	-0.033
Gm11	17023265	17024253	Gmdrm	hypo	CHH	-0.0599
Gm11	17035544	17036540	Gmdrm	hypo	CHH	-0.0486
Gm11	17036546	17037528	Gmdrm	hypo	CHH	-0.0875
Gm11	17042579	17043331	Gmdrm	hypo	CHH	-0.118
Gm11	17043432	17044417	Gmdrm	hypo	CHH	-0.0154
Gm11	17045523	17046522	Gmdrm	hypo	CHH	-0.0271
Gm11	17057321	17058316	Gmdrm	hypo	CHH	-0.0601
Gm11	17058323	17059319	Gmdrm	hypo	CHH	-0.0238
Gm11	17067615	17068378	Gmdrm	hypo	CHH	-0.0157
Gm11	17073548	17074522	Gmdrm	hypo	CHH	-0.0256
Gm11	17074552	17075532	Gmdrm	hypo	CHH	-0.0274
Gm11	17075555	17076554	Gmdrm	hypo	CHH	-0.0138
Gm11	17076562	17077554	Gmdrm	hypo	CHH	-0.0387
Gm11	17079600	17080585	Gmdrm	hypo	CHH	-0.0486
Gm11	17080611	17081609	Gmdrm	hypo	CHH	-0.0474
Gm11	17086652	17087104	Gmdrm	hypo	CHH	-0.0453
Gm11	17088342	17089335	Gmdrm	hypo	CHH	-0.0628
Gm11	17089349	17090340	Gmdrm	hypo	CHH	-0.0825
Gm11	17090352	17091341	Gmdrm	hypo	CHH	-0.0802
Gm11	17091371	17092369	Gmdrm	hypo	CHH	-0.1739
Gm11	17092372	17093364	Gmdrm	hypo	CHH	-0.1207
Gm11	17098856	17099076	Gmdrm	hypo	CHH	-0.03
Gm11	17128742	17129732	Gmdrm	hypo	CHH	-0.0528

Gm11	17148726	17149722	Gmdrm	hypo	CHH	-0.1255
Gm11	17152802	17153736	Gmdrm	hypo	CHH	-0.019
Gm11	17165779	17166773	Gmdrm	hypo	CHH	-0.0363
Gm11	17166782	17167459	Gmdrm	hypo	CHH	-0.0259
Gm11	17168985	17169983	Gmdrm	hypo	CHH	-0.0708
Gm11	17174030	17175026	Gmdrm	hypo	CHH	-0.0519
Gm11	17175037	17176028	Gmdrm	hypo	CHH	-0.0477
Gm11	17190677	17191674	Gmdrm	hypo	CHH	-0.0454
Gm11	17212785	17213785	Gmdrm	hypo	CHH	-0.0288
Gm11	17213791	17214782	Gmdrm	hypo	CHH	-0.0404
Gm11	17217052	17218036	Gmdrm	hypo	CHH	-0.0191
Gm11	17222473	17223471	Gmdrm	hypo	CHH	-0.0276
Gm11	17226966	17227949	Gmdrm	hypo	CHH	-0.0548
Gm11	17227968	17228964	Gmdrm	hypo	CHH	-0.0231
Gm11	17228989	17229964	Gmdrm	hypo	CHH	-0.1009
Gm11	17230011	17230986	Gmdrm	hypo	CHH	-0.1196
Gm11	17235104	17236079	Gmdrm	hypo	CHH	-0.0778
Gm11	17251723	17252723	Gmdrm	hypo	CHH	-0.0159
Gm11	17258263	17259255	Gmdrm	hypo	CHH	-0.0178
Gm11	17259688	17260674	Gmdrm	hypo	CHH	-0.0277
Gm11	17266091	17267082	Gmdrm	hypo	CHH	-0.0682
Gm11	17272697	17273671	Gmdrm	hypo	CHH	-0.0314
Gm11	17289064	17289962	Gmdrm	hypo	CHH	-0.0107
Gm11	17296807	17297382	Gmdrm	hypo	CHH	-0.0982
Gm11	17302043	17303038	Gmdrm	hypo	CHH	-0.0233
Gm11	17311851	17312790	Gmdrm	hypo	CHH	-0.0166
Gm11	17320388	17321384	Gmdrm	hypo	CHH	-0.0169
Gm11	17321395	17322394	Gmdrm	hypo	CHH	-0.0108
Gm11	17333481	17334451	Gmdrm	hypo	CHH	-0.0159
Gm11	17334486	17335481	Gmdrm	hypo	CHH	-0.1093
Gm11	17337530	17337661	Gmdrm	hypo	CHH	-0.0571
Gm11	17338886	17339885	Gmdrm	hypo	CHH	-0.0298
Gm11	17348164	17349141	Gmdrm	hypo	CHH	-0.1355
Gm11	17349168	17349276	Gmdrm	hypo	CHH	-0.03
Gm11	17355194	17356168	Gmdrm	hypo	CHH	-0.0538
Gm11	17356208	17357204	Gmdrm	hypo	CHH	-0.0723
Gm11	17388430	17389427	Gmdrm	hypo	CHH	-0.1336
Gm11	17389432	17390428	Gmdrm	hypo	CHH	-0.1762
Gm11	17396774	17397768	Gmdrm	hypo	CHH	-0.0874
Gm11	17407423	17408370	Gmdrm	hypo	CHH	-0.0147
Gm11	17410714	17411713	Gmdrm	hypo	CHH	-0.027
Gm11	17417584	17418403	Gmdrm	hypo	CHH	-0.0179
Gm11	17421334	17421742	Gmdrm	hypo	CHH	-0.135
Gm11	17425743	17426735	Gmdrm	hypo	CHH	-0.0205
Gm11	17427512	17428504	Gmdrm	hypo	CHH	-0.0245
Gm11	17435523	17435720	Gmdrm	hypo	CHH	-0.0359

Gm11	17445192	17446191	Gmdrm	hypo	CHH	-0.0407
Gm11	17446197	17447161	Gmdrm	hypo	CHH	-0.0519
Gm11	17449251	17449817	Gmdrm	hypo	CHH	-0.0317
Gm11	17458903	17459900	Gmdrm	hypo	CHH	-0.012
Gm11	17461664	17462646	Gmdrm	hypo	CHH	-0.0165
Gm11	17462666	17463658	Gmdrm	hypo	CHH	-0.0599
Gm11	17463668	17464659	Gmdrm	hypo	CHH	-0.1408
Gm11	17464671	17464951	Gmdrm	hypo	CHH	-0.1113
Gm11	17467705	17468698	Gmdrm	hypo	CHH	-0.0518
Gm11	17471425	17472414	Gmdrm	hypo	CHH	-0.0473
Gm11	17472442	17473438	Gmdrm	hypo	CHH	-0.1335
Gm11	17473848	17474839	Gmdrm	hypo	CHH	-0.0099
Gm11	17479331	17480331	Gmdrm	hypo	CHH	-0.3197
Gm11	17480334	17481331	Gmdrm	hypo	CHH	-0.0649
Gm11	17491467	17492460	Gmdrm	hypo	CHH	-0.0295
Gm11	17496098	17497092	Gmdrm	hypo	CHH	-0.0254
Gm11	17502134	17502403	Gmdrm	hypo	CHH	-0.0585
Gm11	17516573	17517573	Gmdrm	hypo	CHH	-0.0192
Gm11	17517576	17518552	Gmdrm	hypo	CHH	-0.0739
Gm11	17520197	17521195	Gmdrm	hypo	CHH	-0.0224
Gm11	17523826	17524824	Gmdrm	hypo	CHH	-0.0144
Gm11	17524827	17525823	Gmdrm	hypo	CHH	-0.0122
Gm11	17525833	17526337	Gmdrm	hypo	CHH	-0.0359
Gm11	17527116	17528114	Gmdrm	hypo	CHH	-0.1224
Gm11	17530144	17531138	Gmdrm	hypo	CHH	-0.0578
Gm11	17531146	17532114	Gmdrm	hypo	CHH	-0.0612
Gm11	17534181	17534298	Gmdrm	hypo	CHH	-0.0643
Gm11	17544165	17545011	Gmdrm	hypo	CHH	-0.0397
Gm11	17562402	17563399	Gmdrm	hypo	CHH	-0.0407
Gm11	17567392	17568387	Gmdrm	hypo	CHH	-0.0917
Gm11	17572710	17573706	Gmdrm	hypo	CHH	-0.0482
Gm11	17573715	17574451	Gmdrm	hypo	CHH	-0.022
Gm11	17580037	17581016	Gmdrm	hypo	CHH	-0.0129
Gm11	17582693	17583518	Gmdrm	hypo	CHH	-0.0227
Gm11	17586603	17587040	Gmdrm	hypo	CHH	-0.0378
Gm11	17589200	17589867	Gmdrm	hypo	CHH	-0.0628
Gm11	17595769	17596757	Gmdrm	hypo	CHH	-0.0327
Gm11	17601279	17602267	Gmdrm	hypo	CHH	-0.029
Gm11	17606533	17607524	Gmdrm	hypo	CHH	-0.0186
Gm11	17611021	17612019	Gmdrm	hypo	CHH	-0.0141
Gm11	17616999	17617760	Gmdrm	hypo	CHH	-0.0487
Gm11	17618674	17619669	Gmdrm	hypo	CHH	-0.0349
Gm11	17620995	17621983	Gmdrm	hypo	CHH	-0.0383
Gm11	17625187	17626165	Gmdrm	hypo	CHH	-0.1151
Gm11	17634812	17635811	Gmdrm	hypo	CHH	-0.0496
Gm11	17635813	17636746	Gmdrm	hypo	CHH	-0.0795

Gm11	17643157	17644153	Gmdrm	hypo	CHH	-0.0196
Gm11	17644186	17645166	Gmdrm	hypo	CHH	-0.0356
Gm11	17652193	17653190	Gmdrm	hypo	CHH	-0.0241
Gm11	17653206	17654182	Gmdrm	hypo	CHH	-0.0216
Gm11	17654593	17655593	Gmdrm	hypo	CHH	-0.0283
Gm11	17656641	17657623	Gmdrm	hypo	CHH	-0.0191
Gm11	17658659	17659642	Gmdrm	hypo	CHH	-0.0613
Gm11	17659660	17660652	Gmdrm	hypo	CHH	-0.016
Gm11	17672965	17673946	Gmdrm	hypo	CHH	-0.0198
Gm11	17677864	17678856	Gmdrm	hypo	CHH	-0.0517
Gm11	17678891	17679877	Gmdrm	hypo	CHH	-0.0661
Gm11	17679897	17680895	Gmdrm	hypo	CHH	-0.2326
Gm11	17683865	17684854	Gmdrm	hypo	CHH	-0.075
Gm11	17684877	17685873	Gmdrm	hypo	CHH	-0.0625
Gm11	17685878	17686857	Gmdrm	hypo	CHH	-0.0379
Gm11	17686904	17687901	Gmdrm	hypo	CHH	-0.0428
Gm11	17690716	17691714	Gmdrm	hypo	CHH	-0.0203
Gm11	17691734	17692718	Gmdrm	hypo	CHH	-0.045
Gm11	17692741	17693740	Gmdrm	hypo	CHH	-0.048
Gm11	17693743	17694732	Gmdrm	hypo	CHH	-0.0198
Gm11	17700708	17701707	Gmdrm	hypo	CHH	-0.046
Gm11	17701717	17702710	Gmdrm	hypo	CHH	-0.0405
Gm11	17737634	17738608	Gmdrm	hypo	CHH	-0.042
Gm11	17740674	17741671	Gmdrm	hypo	CHH	-0.2628
Gm11	17742361	17743359	Gmdrm	hypo	CHH	-0.0491
Gm11	17748606	17749430	Gmdrm	hypo	CHH	-0.0454
Gm11	17751557	17752322	Gmdrm	hypo	CHH	-0.0246
Gm11	17767608	17768603	Gmdrm	hypo	CHH	-0.0527
Gm11	17815837	17816829	Gmdrm	hypo	CHH	-0.0182
Gm11	17820051	17821047	Gmdrm	hypo	CHH	-0.0283
Gm11	17823154	17824149	Gmdrm	hypo	CHH	-0.1648
Gm11	17824157	17825157	Gmdrm	hypo	CHH	-0.0363
Gm11	17832863	17833683	Gmdrm	hypo	CHH	-0.0903
Gm11	17834450	17834996	Gmdrm	hypo	CHH	-0.0376
Gm11	17835101	17836056	Gmdrm	hypo	CHH	-0.042
Gm11	17839832	17840832	Gmdrm	hypo	CHH	-0.0174
Gm11	17845133	17846132	Gmdrm	hypo	CHH	-0.0578
Gm11	17846137	17847134	Gmdrm	hypo	CHH	-0.0495
Gm11	17847141	17848130	Gmdrm	hypo	CHH	-0.0932
Gm11	17857876	17858830	Gmdrm	hypo	CHH	-0.0311
Gm11	17860911	17861451	Gmdrm	hypo	CHH	-0.1865
Gm11	17861721	17862719	Gmdrm	hypo	CHH	-0.1774
Gm11	17862727	17863691	Gmdrm	hypo	CHH	-0.028
Gm11	17863731	17864728	Gmdrm	hypo	CHH	-0.0257
Gm11	17898887	17899887	Gmdrm	hypo	CHH	-0.0388
Gm11	17900901	17901899	Gmdrm	hypo	CHH	-0.0947

Gm11	17901902	17902898	Gmdrm	hypo	CHH	-0.0551
Gm11	17909058	17910055	Gmdrm	hypo	CHH	-0.0568
Gm11	17948074	17949066	Gmdrm	hypo	CHH	-0.0728
Gm11	17949076	17950065	Gmdrm	hypo	CHH	-0.0792
Gm11	17950077	17951077	Gmdrm	hypo	CHH	-0.0411
Gm11	17951091	17952083	Gmdrm	hypo	CHH	-0.0155
Gm11	17967864	17968860	Gmdrm	hypo	CHH	-0.0663
Gm11	17968877	17969873	Gmdrm	hypo	CHH	-0.0562
Gm11	17982561	17983540	Gmdrm	hypo	CHH	-0.0397
Gm11	17983569	17984563	Gmdrm	hypo	CHH	-0.0363
Gm11	17986975	17987962	Gmdrm	hypo	CHH	-0.0524
Gm11	17996016	17996555	Gmdrm	hypo	CHH	-0.0206
Gm11	18009889	18010862	Gmdrm	hypo	CHH	-0.0829
Gm11	18014750	18015750	Gmdrm	hypo	CHH	-0.0476
Gm11	18060958	18061946	Gmdrm	hypo	CHH	-0.0138
Gm11	18061967	18062956	Gmdrm	hypo	CHH	-0.014
Gm11	18112113	18113113	Gmdrm	hypo	CHH	-0.1229
Gm11	18113123	18113540	Gmdrm	hypo	CHH	-0.2748
Gm11	18118088	18119078	Gmdrm	hypo	CHH	-0.0213
Gm11	18119095	18120082	Gmdrm	hypo	CHH	-0.0197
Gm11	18121706	18122704	Gmdrm	hypo	CHH	-0.0546
Gm11	18127816	18128811	Gmdrm	hypo	CHH	-0.0314
Gm11	18143115	18144115	Gmdrm	hypo	CHH	-0.0822
Gm11	18144118	18144854	Gmdrm	hypo	CHH	-0.0831
Gm11	18147390	18148389	Gmdrm	hypo	CHH	-0.1134
Gm11	18148391	18149387	Gmdrm	hypo	CHH	-0.1865
Gm11	18149419	18150412	Gmdrm	hypo	CHH	-0.0238
Gm11	18150434	18151433	Gmdrm	hypo	CHH	-0.0476
Gm11	18151440	18152414	Gmdrm	hypo	CHH	-0.0696
Gm11	18152443	18153341	Gmdrm	hypo	CHH	-0.0298
Gm11	18157438	18158430	Gmdrm	hypo	CHH	-0.0738
Gm11	18158448	18158621	Gmdrm	hypo	CHH	-0.0288
Gm11	18168963	18169961	Gmdrm	hypo	CHH	-0.1208
Gm11	18174008	18175006	Gmdrm	hypo	CHH	-0.0458
Gm11	18197801	18198796	Gmdrm	hypo	CHH	-0.1019
Gm11	18198814	18199813	Gmdrm	hypo	CHH	-0.0135
Gm11	18203453	18204440	Gmdrm	hypo	CHH	-0.0141
Gm11	18205458	18206454	Gmdrm	hypo	CHH	-0.1678
Gm11	18208481	18209476	Gmdrm	hypo	CHH	-0.0158
Gm11	18209495	18210489	Gmdrm	hypo	CHH	-0.0236
Gm11	18210496	18211494	Gmdrm	hypo	CHH	-0.0393
Gm11	18214190	18215182	Gmdrm	hypo	CHH	-0.0499
Gm11	18225235	18226213	Gmdrm	hypo	CHH	-0.2052
Gm11	18237505	18238503	Gmdrm	hypo	CHH	-0.142
Gm11	18254473	18255459	Gmdrm	hypo	CHH	-0.0669
Gm11	18255475	18256457	Gmdrm	hypo	CHH	-0.0161

Gm11	18260547	18261539	Gmdrm	hypo	CHH	-0.016
Gm11	18261556	18262545	Gmdrm	hypo	CHH	-0.0122
Gm11	18262566	18263555	Gmdrm	hypo	CHH	-0.0468
Gm11	18264584	18265583	Gmdrm	hypo	CHH	-0.0482
Gm11	18280597	18281595	Gmdrm	hypo	CHH	-0.0316
Gm11	18286063	18287057	Gmdrm	hypo	CHH	-0.0194
Gm11	18299930	18300916	Gmdrm	hypo	CHH	-0.0505
Gm11	18333967	18334955	Gmdrm	hypo	CHH	-0.0366
Gm11	18335983	18336810	Gmdrm	hypo	CHH	-0.2167
Gm11	18336914	18337893	Gmdrm	hypo	CHH	-0.0188
Gm11	18337928	18338927	Gmdrm	hypo	CHH	-0.0663
Gm11	18342031	18343014	Gmdrm	hypo	CHH	-0.0189
Gm11	18358673	18359673	Gmdrm	hypo	CHH	-0.0845
Gm11	18386741	18387741	Gmdrm	hypo	CHH	-0.0825
Gm11	18396061	18397035	Gmdrm	hypo	CHH	-0.0609
Gm11	18398104	18399069	Gmdrm	hypo	CHH	-0.0253
Gm11	18484542	18485540	Gmdrm	hypo	CHH	-0.0527
Gm11	18487884	18488522	Gmdrm	hypo	CHH	-0.0487
Gm11	18489896	18490314	Gmdrm	hypo	CHH	-0.0387
Gm11	18496486	18497453	Gmdrm	hypo	CHH	-0.0162
Gm11	18497512	18498473	Gmdrm	hypo	CHH	-0.0783
Gm11	18513447	18514442	Gmdrm	hypo	CHH	-0.0479
Gm11	18514458	18515422	Gmdrm	hypo	CHH	-0.02
Gm11	18530763	18531374	Gmdrm	hypo	CHH	-0.0918
Gm11	18531476	18532356	Gmdrm	hypo	CHH	-0.0755
Gm11	18532615	18533610	Gmdrm	hypo	CHH	-0.0937
Gm11	18533620	18534599	Gmdrm	hypo	CHH	-0.0351
Gm11	18535657	18536280	Gmdrm	hypo	CHH	-0.0795
Gm11	18539483	18540473	Gmdrm	hypo	CHH	-0.0915
Gm11	18540485	18541483	Gmdrm	hypo	CHH	-0.0573
Gm11	18565129	18566127	Gmdrm	hypo	CHH	-0.0229
Gm11	18568982	18569976	Gmdrm	hypo	CHH	-0.0252
Gm11	18570010	18571004	Gmdrm	hypo	CHH	-0.0526
Gm11	18571018	18572016	Gmdrm	hypo	CHH	-0.0354
Gm11	18575023	18576018	Gmdrm	hypo	CHH	-0.034
Gm11	18592821	18593781	Gmdrm	hypo	CHH	-0.04
Gm11	18608008	18609007	Gmdrm	hypo	CHH	-0.0896
Gm11	18617183	18618182	Gmdrm	hypo	CHH	-0.1489
Gm11	18618186	18619184	Gmdrm	hypo	CHH	-0.1979
Gm11	18619194	18620193	Gmdrm	hypo	CHH	-0.0592
Gm11	18620224	18621202	Gmdrm	hypo	CHH	-0.0399
Gm11	18623275	18624274	Gmdrm	hypo	CHH	-0.0479
Gm11	18626302	18627302	Gmdrm	hypo	CHH	-0.0463
Gm11	18627306	18628306	Gmdrm	hypo	CHH	-0.0417
Gm11	18628312	18629309	Gmdrm	hypo	CHH	-0.0735
Gm11	18629323	18630312	Gmdrm	hypo	CHH	-0.0457

Gm11	18630326	18631312	Gmdrm	hypo	CHH	-0.0379
Gm11	18631328	18632327	Gmdrm	hypo	CHH	-0.0368
Gm11	18634866	18635861	Gmdrm	hypo	CHH	-0.0159
Gm11	18638955	18639910	Gmdrm	hypo	CHH	-0.1828
Gm11	18647830	18648258	Gmdrm	hypo	CHH	-0.1281
Gm11	18653802	18654736	Gmdrm	hypo	CHH	-0.0218
Gm11	18654820	18655817	Gmdrm	hypo	CHH	-0.0563
Gm11	18655840	18656840	Gmdrm	hypo	CHH	-0.0823
Gm11	18657853	18658849	Gmdrm	hypo	CHH	-0.0347
Gm11	18658894	18659888	Gmdrm	hypo	CHH	-0.0525
Gm11	18662491	18662703	Gmdrm	hypo	CHH	-0.0841
Gm11	18669813	18669883	Gmdrm	hypo	CHH	-0.0469
Gm11	18672377	18673353	Gmdrm	hypo	CHH	-0.0631
Gm11	18674408	18675404	Gmdrm	hypo	CHH	-0.019
Gm11	18677551	18678551	Gmdrm	hypo	CHH	-0.029
Gm11	18729094	18730083	Gmdrm	hypo	CHH	-0.1287
Gm11	18731523	18732497	Gmdrm	hypo	CHH	-0.0308
Gm11	18732533	18733488	Gmdrm	hypo	CHH	-0.0755
Gm11	18735566	18736560	Gmdrm	hypo	CHH	-0.0317
Gm11	18748587	18749587	Gmdrm	hypo	CHH	-0.0317
Gm11	18749589	18750587	Gmdrm	hypo	CHH	-0.0674
Gm11	18787888	18788876	Gmdrm	hypo	CHH	-0.059
Gm11	18788890	18789889	Gmdrm	hypo	CHH	-0.014
Gm11	18790393	18791354	Gmdrm	hypo	CHH	-0.025
Gm11	18799708	18800701	Gmdrm	hypo	CHH	-0.0264
Gm11	18834689	18835683	Gmdrm	hypo	CHH	-0.0719
Gm11	18847972	18848839	Gmdrm	hypo	CHH	-0.0228
Gm11	18850501	18851499	Gmdrm	hypo	CHH	-0.0334
Gm11	18862866	18863092	Gmdrm	hypo	CHH	-0.0344
Gm11	18883468	18884344	Gmdrm	hypo	CHH	-0.2267
Gm11	18886806	18887798	Gmdrm	hypo	CHH	-0.0202
Gm11	18890701	18891021	Gmdrm	hypo	CHH	-0.019
Gm11	18895179	18896171	Gmdrm	hypo	CHH	-0.0113
Gm11	18901262	18902258	Gmdrm	hypo	CHH	-0.0471
Gm11	18902305	18902672	Gmdrm	hypo	CHH	-0.028
Gm11	18910780	18911776	Gmdrm	hypo	CHH	-0.0526
Gm11	18911782	18912781	Gmdrm	hypo	CHH	-0.0626
Gm11	18915859	18916854	Gmdrm	hypo	CHH	-0.0185
Gm11	18916860	18917846	Gmdrm	hypo	CHH	-0.0285
Gm11	18917877	18918853	Gmdrm	hypo	CHH	-0.059
Gm11	18926769	18927658	Gmdrm	hypo	CHH	-0.017
Gm11	18927767	18928760	Gmdrm	hypo	CHH	-0.0908
Gm11	18931905	18932890	Gmdrm	hypo	CHH	-0.0266
Gm11	18956561	18957553	Gmdrm	hypo	CHH	-0.0219
Gm11	18969665	18970656	Gmdrm	hypo	CHH	-0.0167
Gm11	18974190	18975188	Gmdrm	hypo	CHH	-0.0356

Gm11	19041131	19042129	Gmdrm	hypo	CHH	-0.0828
Gm11	19042142	19043138	Gmdrm	hypo	CHH	-0.126
Gm11	19046460	19046505	Gmdrm	hypo	CHH	-0.038
Gm11	19046629	19047624	Gmdrm	hypo	CHH	-0.0349
Gm11	19047641	19048633	Gmdrm	hypo	CHH	-0.0448
Gm11	19056745	19057742	Gmdrm	hypo	CHH	-0.0674
Gm11	19117148	19118079	Gmdrm	hypo	CHH	-0.0943
Gm11	19161681	19162108	Gmdrm	hypo	CHH	-0.0344
Gm11	19180393	19180436	Gmdrm	hypo	CHH	-0.0628
Gm11	19194759	19195758	Gmdrm	hypo	CHH	-0.0165
Gm11	19196791	19197789	Gmdrm	hypo	CHH	-0.0716
Gm11	19202713	19203709	Gmdrm	hypo	CHH	-0.0467
Gm11	19203727	19203923	Gmdrm	hypo	CHH	-0.0806
Gm11	19234868	19235864	Gmdrm	hypo	CHH	-0.0567
Gm11	19244099	19245093	Gmdrm	hypo	CHH	-0.0292
Gm11	19251222	19251898	Gmdrm	hypo	CHH	-0.0533
Gm11	19253373	19254367	Gmdrm	hypo	CHH	-0.0447
Gm11	19254378	19255345	Gmdrm	hypo	CHH	-0.039
Gm11	19255380	19256374	Gmdrm	hypo	CHH	-0.0217
Gm11	19264293	19264761	Gmdrm	hypo	CHH	-0.0338
Gm11	19270915	19271910	Gmdrm	hypo	CHH	-0.0206
Gm11	19271919	19272898	Gmdrm	hypo	CHH	-0.2583
Gm11	19273693	19274686	Gmdrm	hypo	CHH	-0.0568
Gm11	19274698	19275141	Gmdrm	hypo	CHH	-0.0958
Gm11	19281721	19282678	Gmdrm	hypo	CHH	-0.0119
Gm11	19297872	19298872	Gmdrm	hypo	CHH	-0.091
Gm11	19298875	19299868	Gmdrm	hypo	CHH	-0.0724
Gm11	19300917	19301907	Gmdrm	hypo	CHH	-0.0408
Gm11	19318532	19319532	Gmdrm	hypo	CHH	-0.0921
Gm11	19325558	19325672	Gmdrm	hypo	CHH	-0.0583
Gm11	19332845	19333001	Gmdrm	hypo	CHH	-0.0775
Gm11	19465124	19465914	Gmdrm	hypo	CHH	-0.0763
Gm11	19466235	19466399	Gmdrm	hypo	CHH	-0.0786
Gm11	19470482	19471481	Gmdrm	hypo	CHH	-0.0148
Gm11	19478658	19479063	Gmdrm	hypo	CHH	-0.0183
Gm11	19479197	19480196	Gmdrm	hypo	CHH	-0.018
Gm11	19488714	19489710	Gmdrm	hypo	CHH	-0.0645
Gm11	19498826	19499766	Gmdrm	hypo	CHH	-0.0228
Gm11	19500555	19501550	Gmdrm	hypo	CHH	-0.0618
Gm11	19514237	19515236	Gmdrm	hypo	CHH	-0.023
Gm11	19518112	19519111	Gmdrm	hypo	CHH	-0.091
Gm11	19525379	19526374	Gmdrm	hypo	CHH	-0.021
Gm11	19534437	19534994	Gmdrm	hypo	CHH	-0.137
Gm11	19535119	19536119	Gmdrm	hypo	CHH	-0.0521
Gm11	19542439	19542661	Gmdrm	hypo	CHH	-0.0345
Gm11	19543017	19544001	Gmdrm	hypo	CHH	-0.054

Gm11	19545021	19545885	Gmdrm	hypo	CHH	-0.0158
Gm11	19555297	19556275	Gmdrm	hypo	CHH	-0.0353
Gm11	19556304	19557304	Gmdrm	hypo	CHH	-0.0907
Gm11	19558312	19559229	Gmdrm	hypo	CHH	-0.0777
Gm11	19559352	19559498	Gmdrm	hypo	CHH	-0.4861
Gm11	19569980	19570724	Gmdrm	hypo	CHH	-0.0825
Gm11	19593282	19593985	Gmdrm	hypo	CHH	-0.0468
Gm11	19613527	19614511	Gmdrm	hypo	CHH	-0.0732
Gm11	19614913	19615911	Gmdrm	hypo	CHH	-0.1228
Gm11	19616966	19617959	Gmdrm	hypo	CHH	-0.0492
Gm11	19622015	19622666	Gmdrm	hypo	CHH	-0.0324
Gm11	19625173	19626140	Gmdrm	hypo	CHH	-0.061
Gm11	19659525	19660502	Gmdrm	hypo	CHH	-0.0158
Gm11	19710533	19711114	Gmdrm	hypo	CHH	-0.0169
Gm11	19727288	19728246	Gmdrm	hypo	CHH	-0.0585
Gm11	19733254	19734214	Gmdrm	hypo	CHH	-0.0591
Gm11	19734281	19734931	Gmdrm	hypo	CHH	-0.0742
Gm11	19742054	19743029	Gmdrm	hypo	CHH	-0.0233
Gm11	19745097	19746086	Gmdrm	hypo	CHH	-0.0311
Gm11	19746098	19747082	Gmdrm	hypo	CHH	-0.0335
Gm11	19748304	19748609	Gmdrm	hypo	CHH	-0.0273
Gm11	19748719	19749719	Gmdrm	hypo	CHH	-0.0321
Gm11	19806727	19807716	Gmdrm	hypo	CHH	-0.0235
Gm11	19810209	19811209	Gmdrm	hypo	CHH	-0.0527
Gm11	19873933	19874906	Gmdrm	hypo	CHH	-0.0296
Gm11	19874950	19875949	Gmdrm	hypo	CHH	-0.0269
Gm11	19875953	19876323	Gmdrm	hypo	CHH	-0.0305
Gm11	19967704	19968704	Gmdrm	hypo	CHH	-0.0893
Gm11	19981822	19982081	Gmdrm	hypo	CHH	-0.0514
Gm11	19991050	19992041	Gmdrm	hypo	CHH	-0.0224
Gm11	19992063	19993031	Gmdrm	hypo	CHH	-0.015
Gm11	20007838	20008343	Gmdrm	hypo	CHH	-0.0134
Gm11	20022897	20023876	Gmdrm	hypo	CHH	-0.0798
Gm11	20035301	20036277	Gmdrm	hypo	CHH	-0.0211
Gm11	20036310	20037293	Gmdrm	hypo	CHH	-0.0203
Gm11	20043416	20044415	Gmdrm	hypo	CHH	-0.0109
Gm11	20048212	20049178	Gmdrm	hypo	CHH	-0.055
Gm11	20049220	20050147	Gmdrm	hypo	CHH	-0.0705
Gm11	20061658	20062653	Gmdrm	hypo	CHH	-0.0638
Gm11	20082820	20083802	Gmdrm	hypo	CHH	-0.0218
Gm11	20093298	20094297	Gmdrm	hypo	CHH	-0.0841
Gm11	20121552	20122548	Gmdrm	hypo	CHH	-0.0919
Gm11	20122554	20123520	Gmdrm	hypo	CHH	-0.1004
Gm11	20129750	20130750	Gmdrm	hypo	CHH	-0.0282
Gm11	20130756	20131748	Gmdrm	hypo	CHH	-0.0273
Gm11	20144941	20145569	Gmdrm	hypo	CHH	-0.0686

Gm11	20222030	20223030	Gmdrm	hypo	CHH	-0.0623
Gm11	20225098	20226009	Gmdrm	hypo	CHH	-0.0993
Gm11	20230370	20231364	Gmdrm	hypo	CHH	-0.1163
Gm11	20231374	20232358	Gmdrm	hypo	CHH	-0.0304
Gm11	20269243	20270239	Gmdrm	hypo	CHH	-0.0804
Gm11	20273294	20274259	Gmdrm	hypo	CHH	-0.1121
Gm11	20278327	20279278	Gmdrm	hypo	CHH	-0.0277
Gm11	20285770	20286765	Gmdrm	hypo	CHH	-0.0377
Gm11	20289731	20290326	Gmdrm	hypo	CHH	-0.0354
Gm11	20291456	20292451	Gmdrm	hypo	CHH	-0.0187
Gm11	20297908	20298896	Gmdrm	hypo	CHH	-0.0141
Gm11	20322733	20323733	Gmdrm	hypo	CHH	-0.0416
Gm11	20324745	20325704	Gmdrm	hypo	CHH	-0.0769
Gm11	20327272	20328263	Gmdrm	hypo	CHH	-0.0453
Gm11	20332667	20333664	Gmdrm	hypo	CHH	-0.0251
Gm11	20338705	20339694	Gmdrm	hypo	CHH	-0.0154
Gm11	20339717	20340715	Gmdrm	hypo	CHH	-0.0551
Gm11	20373422	20374412	Gmdrm	hypo	CHH	-0.0144
Gm11	20379518	20380093	Gmdrm	hypo	CHH	-0.1997
Gm11	20385686	20386686	Gmdrm	hypo	CHH	-0.0545
Gm11	20386690	20387656	Gmdrm	hypo	CHH	-0.0636
Gm11	20394070	20395066	Gmdrm	hypo	CHH	-0.013
Gm11	20408675	20409670	Gmdrm	hypo	CHH	-0.0373
Gm11	20409700	20410693	Gmdrm	hypo	CHH	-0.0268
Gm11	20412264	20413259	Gmdrm	hypo	CHH	-0.0649
Gm11	20425316	20426258	Gmdrm	hypo	CHH	-0.0452
Gm11	20426389	20427382	Gmdrm	hypo	CHH	-0.0413
Gm11	20481641	20482274	Gmdrm	hypo	CHH	-0.0661
Gm11	20482736	20483722	Gmdrm	hypo	CHH	-0.0197
Gm11	20483807	20484775	Gmdrm	hypo	CHH	-0.0275
Gm11	20490292	20491286	Gmdrm	hypo	CHH	-0.1644
Gm11	20501386	20501645	Gmdrm	hypo	CHH	-0.281
Gm11	20514866	20515865	Gmdrm	hypo	CHH	-0.0258
Gm11	20558386	20559377	Gmdrm	hypo	CHH	-0.0907
Gm11	20567931	20568930	Gmdrm	hypo	CHH	-0.1935
Gm11	20568932	20569837	Gmdrm	hypo	CHH	-0.1175
Gm11	20574291	20575285	Gmdrm	hypo	CHH	-0.0756
Gm11	20581346	20582344	Gmdrm	hypo	CHH	-0.0352
Gm11	20584356	20585338	Gmdrm	hypo	CHH	-0.0205
Gm11	20598302	20599299	Gmdrm	hypo	CHH	-0.0579
Gm11	20600380	20601373	Gmdrm	hypo	CHH	-0.0677
Gm11	20631126	20632108	Gmdrm	hypo	CHH	-0.0517
Gm11	20640738	20641735	Gmdrm	hypo	CHH	-0.2027
Gm11	20664439	20665425	Gmdrm	hypo	CHH	-0.0478
Gm11	20666640	20667637	Gmdrm	hypo	CHH	-0.0934
Gm11	20672449	20673437	Gmdrm	hypo	CHH	-0.0679

Gm11	20675079	20676078	Gmdrm	hypo	CHH	-0.0209
Gm11	20676883	20677883	Gmdrm	hypo	CHH	-0.1982
Gm11	20677886	20678855	Gmdrm	hypo	CHH	-0.036
Gm11	20679573	20680152	Gmdrm	hypo	CHH	-0.0281
Gm11	20696144	20696194	Gmdrm	hypo	CHH	-0.1029
Gm11	20697667	20698659	Gmdrm	hypo	CHH	-0.0747
Gm11	20712050	20713019	Gmdrm	hypo	CHH	-0.0126
Gm11	20717279	20718238	Gmdrm	hypo	CHH	-0.0283
Gm11	20718331	20719326	Gmdrm	hypo	CHH	-0.0383
Gm11	20739305	20740300	Gmdrm	hypo	CHH	-0.0284
Gm11	20740310	20741310	Gmdrm	hypo	CHH	-0.0352
Gm11	20760490	20760976	Gmdrm	hypo	CHH	-0.0398
Gm11	20775049	20775075	Gmdrm	hypo	CHH	-0.124
Gm11	20803195	20804157	Gmdrm	hypo	CHH	-0.1548
Gm11	20804231	20805005	Gmdrm	hypo	CHH	-0.2402
Gm11	20805674	20805830	Gmdrm	hypo	CHH	-0.0529
Gm11	20817920	20818919	Gmdrm	hypo	CHH	-0.0273
Gm11	20842888	20843826	Gmdrm	hypo	CHH	-0.099
Gm11	20843904	20844897	Gmdrm	hypo	CHH	-0.0346
Gm11	20898282	20899282	Gmdrm	hypo	CHH	-0.1505
Gm11	20899296	20900288	Gmdrm	hypo	CHH	-0.137
Gm11	20900297	20900361	Gmdrm	hypo	CHH	-0.1263
Gm11	20902648	20903333	Gmdrm	hypo	CHH	-0.0294
Gm11	20923758	20924745	Gmdrm	hypo	CHH	-0.1079
Gm11	20924798	20925796	Gmdrm	hypo	CHH	-0.0085
Gm11	20931564	20931904	Gmdrm	hypo	CHH	-0.0261
Gm11	20932030	20933025	Gmdrm	hypo	CHH	-0.0236
Gm11	20941425	20942149	Gmdrm	hypo	CHH	-0.023
Gm11	20943267	20944265	Gmdrm	hypo	CHH	-0.0698
Gm11	20957482	20958082	Gmdrm	hypo	CHH	-0.0496
Gm11	20966941	20967629	Gmdrm	hypo	CHH	-0.0224
Gm11	20969785	20970780	Gmdrm	hypo	CHH	-0.033
Gm11	20974796	20975310	Gmdrm	hypo	CHH	-0.0179
Gm11	21000432	21001416	Gmdrm	hypo	CHH	-0.0886
Gm11	21026751	21027747	Gmdrm	hypo	CHH	-0.0257
Gm11	21035840	21036834	Gmdrm	hypo	CHH	-0.0183
Gm11	21037608	21038607	Gmdrm	hypo	CHH	-0.1309
Gm11	21038610	21039592	Gmdrm	hypo	CHH	-0.076
Gm11	21039611	21040250	Gmdrm	hypo	CHH	-0.1215
Gm11	21048309	21049309	Gmdrm	hypo	CHH	-0.1548
Gm11	21053324	21054324	Gmdrm	hypo	CHH	-0.0896
Gm11	21055528	21056528	Gmdrm	hypo	CHH	-0.0906
Gm11	21056532	21057200	Gmdrm	hypo	CHH	-0.0938
Gm11	21082097	21083037	Gmdrm	hypo	CHH	-0.049
Gm11	21089952	21090952	Gmdrm	hypo	CHH	-0.0141
Gm11	21096839	21097804	Gmdrm	hypo	CHH	-0.1214

Gm11	21097887	21098165	Gmdrm	hypo	CHH	-0.0445
Gm11	21098868	21099808	Gmdrm	hypo	CHH	-0.0369
Gm11	21100265	21101265	Gmdrm	hypo	CHH	-0.0574
Gm11	21105288	21106278	Gmdrm	hypo	CHH	-0.0787
Gm11	21111735	21112719	Gmdrm	hypo	CHH	-0.0307
Gm11	21117262	21118214	Gmdrm	hypo	CHH	-0.035
Gm11	21121406	21122405	Gmdrm	hypo	CHH	-0.0347
Gm11	21122413	21123025	Gmdrm	hypo	CHH	-0.0957
Gm11	21124582	21125579	Gmdrm	hypo	CHH	-0.0574
Gm11	21146606	21147599	Gmdrm	hypo	CHH	-0.0261
Gm11	21158999	21159953	Gmdrm	hypo	CHH	-0.0277
Gm11	21161111	21162101	Gmdrm	hypo	CHH	-0.0126
Gm11	21164157	21165148	Gmdrm	hypo	CHH	-0.0227
Gm11	21165518	21166515	Gmdrm	hypo	CHH	-0.0268
Gm11	21166914	21167362	Gmdrm	hypo	CHH	-0.0973
Gm11	21168753	21169753	Gmdrm	hypo	CHH	-0.1065
Gm11	21188245	21188806	Gmdrm	hypo	CHH	-0.0203
Gm11	21206493	21207479	Gmdrm	hypo	CHH	-0.0176
Gm11	21215385	21216378	Gmdrm	hypo	CHH	-0.0409
Gm11	21223979	21224097	Gmdrm	hypo	CHH	-0.1535
Gm11	21229418	21230417	Gmdrm	hypo	CHH	-0.0221
Gm11	21230419	21231419	Gmdrm	hypo	CHH	-0.0429
Gm11	21231432	21232425	Gmdrm	hypo	CHH	-0.0281
Gm11	21262807	21263803	Gmdrm	hypo	CHH	-0.0122
Gm11	21263851	21264821	Gmdrm	hypo	CHH	-0.0393
Gm11	21282386	21283362	Gmdrm	hypo	CHH	-0.0268
Gm11	21283428	21284413	Gmdrm	hypo	CHH	-0.0495
Gm11	21299248	21300204	Gmdrm	hypo	CHH	-0.0231
Gm11	21302373	21303127	Gmdrm	hypo	CHH	-0.0631
Gm11	21311276	21312054	Gmdrm	hypo	CHH	-0.021
Gm11	21312358	21313353	Gmdrm	hypo	CHH	-0.047
Gm11	21330457	21331456	Gmdrm	hypo	CHH	-0.0735
Gm11	21331460	21332443	Gmdrm	hypo	CHH	-0.1181
Gm11	21340521	21341514	Gmdrm	hypo	CHH	-0.0744
Gm11	21350605	21351564	Gmdrm	hypo	CHH	-0.112
Gm11	21356365	21357352	Gmdrm	hypo	CHH	-0.0261
Gm11	21357377	21358354	Gmdrm	hypo	CHH	-0.0199
Gm11	21378139	21379134	Gmdrm	hypo	CHH	-0.0324
Gm11	21392220	21393215	Gmdrm	hypo	CHH	-0.0621
Gm11	21393229	21394226	Gmdrm	hypo	CHH	-0.0404
Gm11	21488248	21489242	Gmdrm	hypo	CHH	-0.0603
Gm11	21489261	21490249	Gmdrm	hypo	CHH	-0.0416
Gm11	21530692	21531688	Gmdrm	hypo	CHH	-0.0504
Gm11	21534191	21535105	Gmdrm	hypo	CHH	-0.1
Gm11	21541577	21542573	Gmdrm	hypo	CHH	-0.1009
Gm11	21542605	21543602	Gmdrm	hypo	CHH	-0.0294

Gm11	21559011	21559988	Gmdrm	hypo	CHH	-0.0123
Gm11	21567256	21568252	Gmdrm	hypo	CHH	-0.156
Gm11	21568258	21568375	Gmdrm	hypo	CHH	-0.1161
Gm11	21576091	21577090	Gmdrm	hypo	CHH	-0.0595
Gm11	21577095	21578091	Gmdrm	hypo	CHH	-0.0824
Gm11	21578096	21579084	Gmdrm	hypo	CHH	-0.0961
Gm11	21579944	21580918	Gmdrm	hypo	CHH	-0.0634
Gm11	21580954	21581935	Gmdrm	hypo	CHH	-0.0485
Gm11	21584997	21585994	Gmdrm	hypo	CHH	-0.0444
Gm11	21603842	21604835	Gmdrm	hypo	CHH	-0.0241
Gm11	21604844	21605844	Gmdrm	hypo	CHH	-0.0298
Gm11	21605849	21606842	Gmdrm	hypo	CHH	-0.0251
Gm11	21660166	21660336	Gmdrm	hypo	CHH	-0.1082
Gm11	21671339	21672336	Gmdrm	hypo	CHH	-0.0297
Gm11	21678562	21679545	Gmdrm	hypo	CHH	-0.0302
Gm11	21679601	21680133	Gmdrm	hypo	CHH	-0.0273
Gm11	21680415	21681391	Gmdrm	hypo	CHH	-0.0763
Gm11	21707677	21708661	Gmdrm	hypo	CHH	-0.0347
Gm11	21710561	21711500	Gmdrm	hypo	CHH	-0.0229
Gm11	21720270	21721242	Gmdrm	hypo	CHH	-0.1944
Gm11	21722865	21723843	Gmdrm	hypo	CHH	-0.0242
Gm11	21723886	21724857	Gmdrm	hypo	CHH	-0.2199
Gm11	21872699	21873699	Gmdrm	hypo	CHH	-0.0583
Gm11	21873703	21874702	Gmdrm	hypo	CHH	-0.0394
Gm11	21878274	21879266	Gmdrm	hypo	CHH	-0.0351
Gm11	21896060	21896317	Gmdrm	hypo	CHH	-0.118
Gm11	21897658	21898642	Gmdrm	hypo	CHH	-0.0287
Gm11	22049797	22050788	Gmdrm	hypo	CHH	-0.0448
Gm11	22050830	22051130	Gmdrm	hypo	CHH	-0.0811
Gm11	22226639	22227635	Gmdrm	hypo	CHH	-0.0486
Gm11	22235588	22236577	Gmdrm	hypo	CHH	-0.0428
Gm11	22237606	22238604	Gmdrm	hypo	CHH	-0.0228
Gm11	22244178	22245174	Gmdrm	hypo	CHH	-0.0755
Gm11	22246223	22247208	Gmdrm	hypo	CHH	-0.0158
Gm11	22248244	22249240	Gmdrm	hypo	CHH	-0.0627
Gm11	22370687	22371677	Gmdrm	hypo	CHH	-0.064
Gm11	22373718	22373907	Gmdrm	hypo	CHH	-0.0755
Gm11	22376626	22377626	Gmdrm	hypo	CHH	-0.1077
Gm11	22661863	22662863	Gmdrm	hypo	CHH	-0.0392
Gm11	22668335	22669261	Gmdrm	hypo	CHH	-0.0497
Gm11	22731859	22732844	Gmdrm	hypo	CHH	-0.054
Gm11	22732876	22733834	Gmdrm	hypo	CHH	-0.0258
Gm11	22828663	22829276	Gmdrm	hypo	CHH	-0.0463
Gm11	22831909	22832908	Gmdrm	hypo	CHH	-0.028
Gm11	22938108	22939080	Gmdrm	hypo	CHH	-0.018
Gm11	22941753	22942578	Gmdrm	hypo	CHH	-0.0161

Gm11	22970637	22971627	Gmdrm	hypo	CHH	-0.0227
Gm11	22971640	22972562	Gmdrm	hypo	CHH	-0.0792
Gm11	22978697	22979676	Gmdrm	hypo	CHH	-0.0453
Gm11	23005899	23006898	Gmdrm	hypo	CHH	-0.0912
Gm11	23021013	23022005	Gmdrm	hypo	CHH	-0.0315
Gm11	23203596	23204594	Gmdrm	hypo	CHH	-0.0375
Gm11	23208211	23209207	Gmdrm	hypo	CHH	-0.1421
Gm11	23209942	23210924	Gmdrm	hypo	CHH	-0.0724
Gm11	23280312	23281310	Gmdrm	hypo	CHH	-0.0682
Gm11	23315678	23316675	Gmdrm	hypo	CHH	-0.0838
Gm11	23320718	23321712	Gmdrm	hypo	CHH	-0.0461
Gm11	23326601	23327572	Gmdrm	hypo	CHH	-0.0157
Gm11	23331364	23332363	Gmdrm	hypo	CHH	-0.027
Gm11	23341958	23342956	Gmdrm	hypo	CHH	-0.0617
Gm11	23342959	23343954	Gmdrm	hypo	CHH	-0.0505
Gm11	23344828	23345825	Gmdrm	hypo	CHH	-0.0162
Gm11	23400299	23401297	Gmdrm	hypo	CHH	-0.0652
Gm11	23403420	23404408	Gmdrm	hypo	CHH	-0.0339
Gm11	23405444	23406443	Gmdrm	hypo	CHH	-0.0389
Gm11	23406457	23407456	Gmdrm	hypo	CHH	-0.0314
Gm11	23409549	23410542	Gmdrm	hypo	CHH	-0.0559
Gm11	23410571	23411558	Gmdrm	hypo	CHH	-0.0278
Gm11	23411586	23412575	Gmdrm	hypo	CHH	-0.034
Gm11	23412588	23413202	Gmdrm	hypo	CHH	-0.0868
Gm11	23413575	23414130	Gmdrm	hypo	CHH	-0.0593
Gm11	23414255	23415255	Gmdrm	hypo	CHH	-0.0346
Gm11	23415271	23416265	Gmdrm	hypo	CHH	-0.0339
Gm11	23445406	23446406	Gmdrm	hypo	CHH	-0.0766
Gm11	23446413	23446588	Gmdrm	hypo	CHH	-0.074
Gm11	23446769	23447761	Gmdrm	hypo	CHH	-0.0225
Gm11	23450810	23451808	Gmdrm	hypo	CHH	-0.06
Gm11	23463347	23464321	Gmdrm	hypo	CHH	-0.0272
Gm11	23465401	23466323	Gmdrm	hypo	CHH	-0.0754
Gm11	23466436	23467435	Gmdrm	hypo	CHH	-0.0621
Gm11	23475388	23476375	Gmdrm	hypo	CHH	-0.0331
Gm11	23484193	23485180	Gmdrm	hypo	CHH	-0.0197
Gm11	23485230	23486229	Gmdrm	hypo	CHH	-0.0495
Gm11	23486240	23487240	Gmdrm	hypo	CHH	-0.0389
Gm11	23489261	23490244	Gmdrm	hypo	CHH	-0.0882
Gm11	23492082	23492464	Gmdrm	hypo	CHH	-0.0252
Gm11	23495069	23496057	Gmdrm	hypo	CHH	-0.0359
Gm11	23507958	23508954	Gmdrm	hypo	CHH	-0.0574
Gm11	23520321	23521321	Gmdrm	hypo	CHH	-0.0602
Gm11	23522792	23523784	Gmdrm	hypo	CHH	-0.0293
Gm11	23534875	23535536	Gmdrm	hypo	CHH	-0.0205
Gm11	23560061	23561055	Gmdrm	hypo	CHH	-0.1056

Gm11	23562081	23563073	Gmdrm	hypo	CHH	-0.0416
Gm11	23563661	23564658	Gmdrm	hypo	CHH	-0.0432
Gm11	23564686	23565669	Gmdrm	hypo	CHH	-0.0258
Gm11	23568741	23568971	Gmdrm	hypo	CHH	-0.0293
Gm11	23570453	23571427	Gmdrm	hypo	CHH	-0.1506
Gm11	23576159	23577146	Gmdrm	hypo	CHH	-0.0327
Gm11	23583732	23584725	Gmdrm	hypo	CHH	-0.0146
Gm11	23584742	23585722	Gmdrm	hypo	CHH	-0.0197
Gm11	23585777	23586759	Gmdrm	hypo	CHH	-0.053
Gm11	23586791	23587758	Gmdrm	hypo	CHH	-0.0717
Gm11	23588043	23589032	Gmdrm	hypo	CHH	-0.0208
Gm11	23589061	23590041	Gmdrm	hypo	CHH	-0.0468
Gm11	23596770	23597675	Gmdrm	hypo	CHH	-0.0203
Gm11	23611225	23612225	Gmdrm	hypo	CHH	-0.0462
Gm11	23612262	23613225	Gmdrm	hypo	CHH	-0.022
Gm11	23628852	23629851	Gmdrm	hypo	CHH	-0.0147
Gm11	23638842	23639830	Gmdrm	hypo	CHH	-0.0377
Gm11	23639860	23640848	Gmdrm	hypo	CHH	-0.0772
Gm11	23645143	23646118	Gmdrm	hypo	CHH	-0.0213
Gm11	23646413	23647003	Gmdrm	hypo	CHH	-0.0383
Gm11	23647108	23647279	Gmdrm	hypo	CHH	-0.184
Gm11	23648336	23648606	Gmdrm	hypo	CHH	-0.0991
Gm11	23649390	23650379	Gmdrm	hypo	CHH	-0.0218
Gm11	23659165	23660158	Gmdrm	hypo	CHH	-0.0144
Gm11	23660168	23661131	Gmdrm	hypo	CHH	-0.0388
Gm11	23662427	23663405	Gmdrm	hypo	CHH	-0.0682
Gm11	23663439	23664414	Gmdrm	hypo	CHH	-0.0766
Gm11	23664460	23665443	Gmdrm	hypo	CHH	-0.0487
Gm11	23669642	23670641	Gmdrm	hypo	CHH	-0.0382
Gm11	23695754	23696753	Gmdrm	hypo	CHH	-0.0232
Gm11	23696755	23697744	Gmdrm	hypo	CHH	-0.0653
Gm11	23697756	23698749	Gmdrm	hypo	CHH	-0.0744
Gm11	23702452	23703452	Gmdrm	hypo	CHH	-0.026
Gm11	23727689	23728683	Gmdrm	hypo	CHH	-0.3023
Gm11	23728698	23729693	Gmdrm	hypo	CHH	-0.1275
Gm11	23743026	23744009	Gmdrm	hypo	CHH	-0.0187
Gm11	23744043	23745024	Gmdrm	hypo	CHH	-0.125
Gm11	23750122	23750602	Gmdrm	hypo	CHH	-0.0636
Gm11	23752980	23753282	Gmdrm	hypo	CHH	-0.0663
Gm11	23759732	23760725	Gmdrm	hypo	CHH	-0.0746
Gm11	23762915	23763887	Gmdrm	hypo	CHH	-0.0515
Gm11	23765500	23766300	Gmdrm	hypo	CHH	-0.0967
Gm11	23770429	23771426	Gmdrm	hypo	CHH	-0.0515
Gm11	23772739	23773737	Gmdrm	hypo	CHH	-0.0467
Gm11	23826875	23827600	Gmdrm	hypo	CHH	-0.0324
Gm11	23830858	23830904	Gmdrm	hypo	CHH	-0.05

Gm11	23832055	23833053	Gmdrm	hypo	CHH	-0.0134
Gm11	23836831	23837180	Gmdrm	hypo	CHH	-0.0243
Gm11	23838798	23839284	Gmdrm	hypo	CHH	-0.0861
Gm11	23841870	23842860	Gmdrm	hypo	CHH	-0.2701
Gm11	23842872	23843864	Gmdrm	hypo	CHH	-0.1146
Gm11	23844923	23845917	Gmdrm	hypo	CHH	-0.0598
Gm11	23845929	23846859	Gmdrm	hypo	CHH	-0.0297
Gm11	23846963	23847950	Gmdrm	hypo	CHH	-0.0896
Gm11	23848971	23849936	Gmdrm	hypo	CHH	-0.0558
Gm11	23851014	23851999	Gmdrm	hypo	CHH	-0.0398
Gm11	23854825	23855819	Gmdrm	hypo	CHH	-0.0245
Gm11	23855837	23856822	Gmdrm	hypo	CHH	-0.011
Gm11	23856888	23857884	Gmdrm	hypo	CHH	-0.0224
Gm11	23871497	23872489	Gmdrm	hypo	CHH	-0.1422
Gm11	23883840	23884833	Gmdrm	hypo	CHH	-0.0805
Gm11	23884854	23885854	Gmdrm	hypo	CHH	-0.0297
Gm11	23885864	23886861	Gmdrm	hypo	CHH	-0.0481
Gm11	23903096	23904091	Gmdrm	hypo	CHH	-0.0369
Gm11	23905102	23906098	Gmdrm	hypo	CHH	-0.0353
Gm11	23908121	23909101	Gmdrm	hypo	CHH	-0.0252
Gm11	23909129	23909924	Gmdrm	hypo	CHH	-0.0152
Gm11	23913766	23914727	Gmdrm	hypo	CHH	-0.0171
Gm11	23915900	23916900	Gmdrm	hypo	CHH	-0.0454
Gm11	23925168	23926166	Gmdrm	hypo	CHH	-0.0267
Gm11	23942492	23942910	Gmdrm	hypo	CHH	-0.048
Gm11	23943032	23944027	Gmdrm	hypo	CHH	-0.0206
Gm11	23947135	23948133	Gmdrm	hypo	CHH	-0.0115
Gm11	23950469	23951458	Gmdrm	hypo	CHH	-0.0175
Gm11	23951492	23951628	Gmdrm	hypo	CHH	-0.0462
Gm11	23951811	23952799	Gmdrm	hypo	CHH	-0.0311
Gm11	23955569	23955736	Gmdrm	hypo	CHH	-0.0912
Gm11	23955839	23956603	Gmdrm	hypo	CHH	-0.0737
Gm11	23956854	23957853	Gmdrm	hypo	CHH	-0.0455
Gm11	23957859	23958838	Gmdrm	hypo	CHH	-0.0824
Gm11	23958866	23959855	Gmdrm	hypo	CHH	-0.0618
Gm11	24020326	24021317	Gmdrm	hypo	CHH	-0.0287
Gm11	24022544	24023522	Gmdrm	hypo	CHH	-0.2036
Gm11	24023560	24024546	Gmdrm	hypo	CHH	-0.0555
Gm11	24024564	24025547	Gmdrm	hypo	CHH	-0.0094
Gm11	24027707	24028680	Gmdrm	hypo	CHH	-0.1803
Gm11	24033563	24034562	Gmdrm	hypo	CHH	-0.0955
Gm11	24041618	24042607	Gmdrm	hypo	CHH	-0.0233
Gm11	24048387	24049385	Gmdrm	hypo	CHH	-0.0624
Gm11	24049404	24049630	Gmdrm	hypo	CHH	-0.05
Gm11	24049753	24050348	Gmdrm	hypo	CHH	-0.0588
Gm11	24066022	24067020	Gmdrm	hypo	CHH	-0.0337

Gm11	24068039	24069028	Gmdrm	hypo	CHH	-0.0719
Gm11	24074220	24075186	Gmdrm	hypo	CHH	-0.0156
Gm11	24079249	24080238	Gmdrm	hypo	CHH	-0.0523
Gm11	24080265	24081253	Gmdrm	hypo	CHH	-0.1471
Gm11	24083226	24084211	Gmdrm	hypo	CHH	-0.0448
Gm11	24085929	24086478	Gmdrm	hypo	CHH	-0.0192
Gm11	24087373	24088362	Gmdrm	hypo	CHH	-0.0731
Gm11	24088376	24089366	Gmdrm	hypo	CHH	-0.1636
Gm11	24089380	24090376	Gmdrm	hypo	CHH	-0.0921
Gm11	24115074	24116062	Gmdrm	hypo	CHH	-0.0462
Gm11	24116083	24117033	Gmdrm	hypo	CHH	-0.0468
Gm11	24117117	24118109	Gmdrm	hypo	CHH	-0.0457
Gm11	24118125	24119060	Gmdrm	hypo	CHH	-0.043
Gm11	24121261	24122250	Gmdrm	hypo	CHH	-0.0226
Gm11	24122265	24123263	Gmdrm	hypo	CHH	-0.0121
Gm11	24124267	24125257	Gmdrm	hypo	CHH	-0.096
Gm11	24125269	24126260	Gmdrm	hypo	CHH	-0.023
Gm11	24126280	24127279	Gmdrm	hypo	CHH	-0.0506
Gm11	24128324	24129318	Gmdrm	hypo	CHH	-0.0395
Gm11	24131224	24132222	Gmdrm	hypo	CHH	-0.0669
Gm11	24132225	24132947	Gmdrm	hypo	CHH	-0.1435
Gm11	24133053	24134050	Gmdrm	hypo	CHH	-0.0414
Gm11	24151732	24152732	Gmdrm	hypo	CHH	-0.0586
Gm11	24187607	24188593	Gmdrm	hypo	CHH	-0.0283
Gm11	24198634	24199634	Gmdrm	hypo	CHH	-0.0449
Gm11	24220583	24221578	Gmdrm	hypo	CHH	-0.0454
Gm11	24222608	24223581	Gmdrm	hypo	CHH	-0.0214
Gm11	24223610	24224610	Gmdrm	hypo	CHH	-0.0205
Gm11	24227983	24228969	Gmdrm	hypo	CHH	-0.0816
Gm11	24229047	24229221	Gmdrm	hypo	CHH	-0.1154
Gm11	24260211	24261194	Gmdrm	hypo	CHH	-0.0373
Gm11	24262238	24263236	Gmdrm	hypo	CHH	-0.0426
Gm11	24285163	24285432	Gmdrm	hypo	CHH	-0.0889
Gm11	24285878	24286201	Gmdrm	hypo	CHH	-0.233
Gm11	24286398	24287391	Gmdrm	hypo	CHH	-0.0697
Gm11	24287399	24288384	Gmdrm	hypo	CHH	-0.1556
Gm11	24303245	24304059	Gmdrm	hypo	CHH	-0.075
Gm11	24304790	24305757	Gmdrm	hypo	CHH	-0.0479
Gm11	24309654	24310648	Gmdrm	hypo	CHH	-0.0473
Gm11	24348704	24349117	Gmdrm	hypo	CHH	-0.077
Gm11	24357685	24358684	Gmdrm	hypo	CHH	-0.0307
Gm11	24358694	24359666	Gmdrm	hypo	CHH	-0.0568
Gm11	24362583	24362790	Gmdrm	hypo	CHH	-0.1074
Gm11	24392064	24392956	Gmdrm	hypo	CHH	-0.0686
Gm11	24406023	24407013	Gmdrm	hypo	CHH	-0.0878
Gm11	24410024	24411023	Gmdrm	hypo	CHH	-0.024

Gm11	24411033	24412031	Gmdrm	hypo	CHH	-0.0287
Gm11	24446175	24447171	Gmdrm	hypo	CHH	-0.0309
Gm11	24447231	24448225	Gmdrm	hypo	CHH	-0.053
Gm11	24448235	24448756	Gmdrm	hypo	CHH	-0.0412
Gm11	24449015	24449996	Gmdrm	hypo	CHH	-0.0661
Gm11	24452795	24453761	Gmdrm	hypo	CHH	-0.17
Gm11	24458483	24459482	Gmdrm	hypo	CHH	-0.068
Gm11	24459499	24460497	Gmdrm	hypo	CHH	-0.0354
Gm11	24472704	24473675	Gmdrm	hypo	CHH	-0.0497
Gm11	24474711	24475708	Gmdrm	hypo	CHH	-0.0535
Gm11	24477745	24478742	Gmdrm	hypo	CHH	-0.0215
Gm11	24483467	24484181	Gmdrm	hypo	CHH	-0.0235
Gm11	24487814	24488794	Gmdrm	hypo	CHH	-0.0239
Gm11	24493363	24494359	Gmdrm	hypo	CHH	-0.0554
Gm11	24495715	24496704	Gmdrm	hypo	CHH	-0.0304
Gm11	24498739	24499735	Gmdrm	hypo	CHH	-0.0293
Gm11	24508729	24509197	Gmdrm	hypo	CHH	-0.093
Gm11	24533380	24534377	Gmdrm	hypo	CHH	-0.0508
Gm11	24534384	24535375	Gmdrm	hypo	CHH	-0.1937
Gm11	24545006	24545995	Gmdrm	hypo	CHH	-0.034
Gm11	24561557	24562551	Gmdrm	hypo	CHH	-0.0112
Gm11	24563571	24564298	Gmdrm	hypo	CHH	-0.0272
Gm11	24568180	24569166	Gmdrm	hypo	CHH	-0.0426
Gm11	24569181	24570143	Gmdrm	hypo	CHH	-0.0399
Gm11	24593254	24594246	Gmdrm	hypo	CHH	-0.0919
Gm11	24595260	24596251	Gmdrm	hypo	CHH	-0.0219
Gm11	24596272	24597220	Gmdrm	hypo	CHH	-0.0123
Gm11	24597275	24598267	Gmdrm	hypo	CHH	-0.031
Gm11	24604359	24605347	Gmdrm	hypo	CHH	-0.0602
Gm11	24612924	24613924	Gmdrm	hypo	CHH	-0.1527
Gm11	24613928	24614927	Gmdrm	hypo	CHH	-0.0621
Gm11	24614942	24615896	Gmdrm	hypo	CHH	-0.0311
Gm11	24617138	24618122	Gmdrm	hypo	CHH	-0.029
Gm11	24619203	24619426	Gmdrm	hypo	CHH	-0.0508
Gm11	24622636	24623634	Gmdrm	hypo	CHH	-0.1105
Gm11	24623638	24624615	Gmdrm	hypo	CHH	-0.0762
Gm11	24634776	24635772	Gmdrm	hypo	CHH	-0.0457
Gm11	24639921	24640907	Gmdrm	hypo	CHH	-0.0745
Gm11	24664248	24665238	Gmdrm	hypo	CHH	-0.1132
Gm11	24667830	24668508	Gmdrm	hypo	CHH	-0.0313
Gm11	24669579	24670571	Gmdrm	hypo	CHH	-0.1276
Gm11	25079996	25080995	Gmdrm	hypo	CHH	-0.0453
Gm11	25081003	25081983	Gmdrm	hypo	CHH	-0.0697
Gm11	25086708	25087708	Gmdrm	hypo	CHH	-0.0178
Gm11	25098568	25099558	Gmdrm	hypo	CHH	-0.0381
Gm11	25108011	25109008	Gmdrm	hypo	CHH	-0.0217

Gm11	25559972	25560353	Gmdrm	hypo	CHH	-0.1632
Gm11	25770234	25771222	Gmdrm	hypo	CHH	-0.0536
Gm11	25782253	25783247	Gmdrm	hypo	CHH	-0.0541
Gm11	25793214	25794198	Gmdrm	hypo	CHH	-0.0174
Gm11	25795231	25796231	Gmdrm	hypo	CHH	-0.0202
Gm11	25852896	25853690	Gmdrm	hypo	CHH	-0.0205
Gm11	25886110	25886195	Gmdrm	hypo	CHH	-0.078
Gm11	26352809	26353038	Gmdrm	hypo	CHH	-0.0284
Gm11	26423392	26423555	Gmdrm	hypo	CHH	-0.205
Gm11	26431121	26432092	Gmdrm	hypo	CHH	-0.0564
Gm11	26473967	26474954	Gmdrm	hypo	CHH	-0.065
Gm11	26838265	26839256	Gmdrm	hypo	CHH	-0.0612
Gm11	26877766	26878751	Gmdrm	hypo	CHH	-0.0901
Gm11	27119820	27119968	Gmdrm	hypo	CHH	-0.3767
Gm11	27134049	27134799	Gmdrm	hypo	CHH	-0.0496
Gm11	27136085	27136654	Gmdrm	hypo	CHH	-0.0442
Gm11	27540302	27540455	Gmdrm	hypo	CHH	-0.125
Gm11	27542359	27542840	Gmdrm	hypo	CHH	-0.1103
Gm11	27618895	27619717	Gmdrm	hypo	CHH	-0.0307
Gm11	27626848	27627847	Gmdrm	hypo	CHH	-0.0329
Gm11	27632937	27633892	Gmdrm	hypo	CHH	-0.0294
Gm11	27685803	27686788	Gmdrm	hypo	CHH	-0.0999
Gm11	27688279	27689272	Gmdrm	hypo	CHH	-0.1196
Gm11	27689286	27690283	Gmdrm	hypo	CHH	-0.0448
Gm11	28164557	28165555	Gmdrm	hypo	CHH	-0.0413
Gm11	28165574	28166561	Gmdrm	hypo	CHH	-0.0265
Gm11	28167724	28168691	Gmdrm	hypo	CHH	-0.0257
Gm11	28222302	28223284	Gmdrm	hypo	CHH	-0.0913
Gm11	28223307	28224295	Gmdrm	hypo	CHH	-0.0511
Gm11	28227366	28228358	Gmdrm	hypo	CHH	-0.0215
Gm11	28229097	28230097	Gmdrm	hypo	CHH	-0.0539
Gm11	28230116	28230828	Gmdrm	hypo	CHH	-0.0829
Gm11	28232115	28233103	Gmdrm	hypo	CHH	-0.0763
Gm11	28233120	28234120	Gmdrm	hypo	CHH	-0.0685
Gm11	28287981	28288950	Gmdrm	hypo	CHH	-0.0714
Gm11	28310200	28310795	Gmdrm	hypo	CHH	-0.0535
Gm11	28314233	28315208	Gmdrm	hypo	CHH	-0.0196
Gm11	28324825	28325814	Gmdrm	hypo	CHH	-0.0614
Gm11	29089547	29089652	Gmdrm	hypo	CHH	-0.0736
Gm11	29109042	29109661	Gmdrm	hypo	CHH	-0.0237
Gm11	29379102	29379796	Gmdrm	hypo	CHH	-0.0506
Gm11	29379961	29380961	Gmdrm	hypo	CHH	-0.07
Gm11	29380963	29381658	Gmdrm	hypo	CHH	-0.0575
Gm11	29382601	29383587	Gmdrm	hypo	CHH	-0.0244
Gm11	29383617	29384596	Gmdrm	hypo	CHH	-0.1672
Gm11	29389213	29390213	Gmdrm	hypo	CHH	-0.0785

Gm11	29412124	29413114	Gmdrm	hypo	CHH	-0.1667
Gm11	29413141	29414134	Gmdrm	hypo	CHH	-0.0709
Gm11	29414148	29415148	Gmdrm	hypo	CHH	-0.039
Gm11	29447505	29447695	Gmdrm	hypo	CHH	-0.19
Gm11	29876934	29877232	Gmdrm	hypo	CHH	-0.0555
Gm11	29879484	29880483	Gmdrm	hypo	CHH	-0.0835
Gm11	29880491	29881471	Gmdrm	hypo	CHH	-0.0202
Gm11	29956516	29957510	Gmdrm	hypo	CHH	-0.0195
Gm11	29969523	29970518	Gmdrm	hypo	CHH	-0.0498
Gm11	29991789	29992788	Gmdrm	hypo	CHH	-0.0201
Gm11	30132974	30133401	Gmdrm	hypo	CHH	-0.1553
Gm11	30633699	30634075	Gmdrm	hypo	CHH	-0.0395
Gm11	30637036	30638018	Gmdrm	hypo	CHH	-0.0474
Gm11	30708902	30709892	Gmdrm	hypo	CHH	-0.0455
Gm11	30720034	30720058	Gmdrm	hypo	CHH	-0.076
Gm11	30726989	30727842	Gmdrm	hypo	CHH	-0.0696
Gm11	30748698	30749395	Gmdrm	hypo	CHH	-0.0345
Gm11	30780978	30781218	Gmdrm	hypo	CHH	-0.0243
Gm11	30829939	30830586	Gmdrm	hypo	CHH	-0.0689
Gm11	30834951	30835709	Gmdrm	hypo	CHH	-0.0511
Gm11	30883127	30884126	Gmdrm	hypo	CHH	-0.0348
Gm11	30907633	30908630	Gmdrm	hypo	CHH	-0.0478
Gm11	30908635	30909627	Gmdrm	hypo	CHH	-0.043
Gm11	30915906	30916884	Gmdrm	hypo	CHH	-0.0741
Gm11	30919546	30920525	Gmdrm	hypo	CHH	-0.0205
Gm11	30920555	30921554	Gmdrm	hypo	CHH	-0.0217
Gm11	30933987	30934980	Gmdrm	hypo	CHH	-0.0187
Gm11	30935009	30935808	Gmdrm	hypo	CHH	-0.0239
Gm11	30972403	30972439	Gmdrm	hypo	CHH	-0.1884
Gm11	30986728	30987724	Gmdrm	hypo	CHH	-0.0421
Gm11	30999998	31000968	Gmdrm	hypo	CHH	-0.0154
Gm11	31002202	31003193	Gmdrm	hypo	CHH	-0.0145
Gm11	31006461	31007455	Gmdrm	hypo	CHH	-0.0449
Gm11	31036109	31037094	Gmdrm	hypo	CHH	-0.0414
Gm11	31037136	31038098	Gmdrm	hypo	CHH	-0.028
Gm11	31053346	31054343	Gmdrm	hypo	CHH	-0.0449
Gm11	31177557	31177652	Gmdrm	hypo	CHH	-0.1212
Gm11	31191518	31192491	Gmdrm	hypo	CHH	-0.0536
Gm11	31202437	31203427	Gmdrm	hypo	CHH	-0.1707
Gm11	31206656	31207644	Gmdrm	hypo	CHH	-0.155
Gm11	31207663	31208662	Gmdrm	hypo	CHH	-0.1707
Gm11	31208668	31209664	Gmdrm	hypo	CHH	-0.1729
Gm11	31210382	31211341	Gmdrm	hypo	CHH	-0.0447
Gm11	31230613	31231576	Gmdrm	hypo	CHH	-0.0533
Gm11	31241689	31242652	Gmdrm	hypo	CHH	-0.0387
Gm11	31251918	31252918	Gmdrm	hypo	CHH	-0.0752

Gm11	31252922	31253203	Gmdrm	hypo	CHH	-0.2211
Gm11	31354008	31354240	Gmdrm	hypo	CHH	-0.2107
Gm11	31432559	31432964	Gmdrm	hypo	CHH	-0.0516
Gm11	31572050	31573050	Gmdrm	hypo	CHH	-0.0731
Gm11	31574072	31575065	Gmdrm	hypo	CHH	-0.1193
Gm11	31631196	31632194	Gmdrm	hypo	CHH	-0.0258
Gm11	31665165	31666165	Gmdrm	hypo	CHH	-0.365
Gm11	31666167	31666833	Gmdrm	hypo	CHH	-0.0323
Gm11	31668252	31669247	Gmdrm	hypo	CHH	-0.0244
Gm11	31725696	31725806	Gmdrm	hypo	CHH	-0.0343
Gm11	31903956	31904742	Gmdrm	hypo	CHH	-0.0861
Gm11	31906860	31907855	Gmdrm	hypo	CHH	-0.0207
Gm11	31911203	31911342	Gmdrm	hypo	CHH	-0.0477
Gm11	31911526	31912521	Gmdrm	hypo	CHH	-0.0162
Gm11	31912555	31913541	Gmdrm	hypo	CHH	-0.0346
Gm11	31936819	31937776	Gmdrm	hypo	CHH	-0.0193
Gm11	32019919	32020029	Gmdrm	hypo	CHH	-0.0283
Gm11	32026956	32027940	Gmdrm	hypo	CHH	-0.0378
Gm11	32028989	32029984	Gmdrm	hypo	CHH	-0.0138
Gm11	32086432	32087427	Gmdrm	hypo	CHH	-0.0342
Gm11	32087457	32088444	Gmdrm	hypo	CHH	-0.0233
Gm11	32114613	32115609	Gmdrm	hypo	CHH	-0.0346
Gm11	32137574	32138567	Gmdrm	hypo	CHH	-0.0549
Gm11	32144631	32145600	Gmdrm	hypo	CHH	-0.0412
Gm11	32291448	32292440	Gmdrm	hypo	CHH	-0.0256
Gm11	32292477	32293293	Gmdrm	hypo	CHH	-0.0347
Gm11	32322585	32323584	Gmdrm	hypo	CHH	-0.0665
Gm11	32513983	32514712	Gmdrm	hypo	CHH	-0.0454
Gm11	32528565	32529358	Gmdrm	hypo	CHH	-0.0708
Gm11	32531000	32531978	Gmdrm	hypo	CHH	-0.2588
Gm11	32588331	32589330	Gmdrm	hypo	CHH	-0.0373
Gm11	32614947	32615708	Gmdrm	hypo	CHH	-0.0522
Gm11	32616845	32617817	Gmdrm	hypo	CHH	-0.0237
Gm11	32617857	32618808	Gmdrm	hypo	CHH	-0.0411
Gm11	32619923	32620907	Gmdrm	hypo	CHH	-0.0132
Gm11	32625721	32626717	Gmdrm	hypo	CHH	-0.0414
Gm11	32634328	32635312	Gmdrm	hypo	CHH	-0.0458
Gm11	32683089	32683247	Gmdrm	hypo	CHH	-0.2655
Gm11	32683351	32684284	Gmdrm	hypo	CHH	-0.0968
Gm11	32691643	32692642	Gmdrm	hypo	CHH	-0.0845
Gm11	32705698	32706695	Gmdrm	hypo	CHH	-0.1395
Gm11	32706700	32707684	Gmdrm	hypo	CHH	-0.04
Gm11	32710369	32711362	Gmdrm	hypo	CHH	-0.0271
Gm11	32711375	32712366	Gmdrm	hypo	CHH	-0.012
Gm11	32717155	32717289	Gmdrm	hypo	CHH	-0.0421
Gm11	32732388	32733371	Gmdrm	hypo	CHH	-0.1598

Gm11	32733397	32734378	Gmdrm	hypo	CHH	-0.0508
Gm11	32734432	32734707	Gmdrm	hypo	CHH	-0.099
Gm11	32815273	32816273	Gmdrm	hypo	CHH	-0.0254
Gm11	32816278	32817265	Gmdrm	hypo	CHH	-0.0546
Gm11	32818333	32819307	Gmdrm	hypo	CHH	-0.0244
Gm11	32819365	32820364	Gmdrm	hypo	CHH	-0.0276
Gm11	32820366	32821212	Gmdrm	hypo	CHH	-0.0167
Gm11	32841158	32842114	Gmdrm	hypo	CHH	-0.0681
Gm11	32847034	32848031	Gmdrm	hypo	CHH	-0.0496
Gm11	32848039	32849027	Gmdrm	hypo	CHH	-0.0776
Gm11	32849040	32849992	Gmdrm	hypo	CHH	-0.03
Gm11	32927080	32928078	Gmdrm	hypo	CHH	-0.0699
Gm11	32928096	32929095	Gmdrm	hypo	CHH	-0.0786
Gm11	32929097	32929749	Gmdrm	hypo	CHH	-0.1082
Gm11	32940640	32941636	Gmdrm	hypo	CHH	-0.0622
Gm11	32941641	32942637	Gmdrm	hypo	CHH	-0.1266
Gm11	32945715	32946709	Gmdrm	hypo	CHH	-0.011
Gm11	32953927	32954926	Gmdrm	hypo	CHH	-0.0623
Gm11	32959318	32960315	Gmdrm	hypo	CHH	-0.1021
Gm11	32960321	32961314	Gmdrm	hypo	CHH	-0.1125
Gm11	32984186	32985184	Gmdrm	hypo	CHH	-0.1011
Gm11	32985193	32986191	Gmdrm	hypo	CHH	-0.0539
Gm11	33000357	33000721	Gmdrm	hypo	CHH	-0.0422
Gm11	33002626	33003602	Gmdrm	hypo	CHH	-0.0169
Gm11	33003658	33004658	Gmdrm	hypo	CHH	-0.1412
Gm11	33004669	33005667	Gmdrm	hypo	CHH	-0.0392
Gm11	33009412	33010404	Gmdrm	hypo	CHH	-0.033
Gm11	33010424	33011419	Gmdrm	hypo	CHH	-0.0471
Gm11	33012524	33013520	Gmdrm	hypo	CHH	-0.0249
Gm11	33021660	33022178	Gmdrm	hypo	CHH	-0.1271
Gm11	33045746	33046560	Gmdrm	hypo	CHH	-0.0275
Gm11	33060804	33061804	Gmdrm	hypo	CHH	-0.1099
Gm11	33061805	33062784	Gmdrm	hypo	CHH	-0.1312
Gm11	33069879	33070855	Gmdrm	hypo	CHH	-0.045
Gm11	33077962	33078961	Gmdrm	hypo	CHH	-0.0327
Gm11	33100489	33101484	Gmdrm	hypo	CHH	-0.0885
Gm11	33101491	33102490	Gmdrm	hypo	CHH	-0.1028
Gm11	33102492	33103268	Gmdrm	hypo	CHH	-0.2943
Gm11	33105963	33106963	Gmdrm	hypo	CHH	-0.2519
Gm11	33106964	33107942	Gmdrm	hypo	CHH	-0.307
Gm11	33129841	33130826	Gmdrm	hypo	CHH	-0.0902
Gm11	33156527	33157520	Gmdrm	hypo	CHH	-0.0166
Gm11	33176043	33177042	Gmdrm	hypo	CHH	-0.0702
Gm11	33183866	33184860	Gmdrm	hypo	CHH	-0.0264
Gm11	33185918	33186909	Gmdrm	hypo	CHH	-0.0494
Gm11	33186930	33187924	Gmdrm	hypo	CHH	-0.1936

Gm11	33195749	33196744	Gmdrm	hypo	CHH	-0.0281
Gm11	33196760	33197752	Gmdrm	hypo	CHH	-0.0492
Gm11	33198773	33199766	Gmdrm	hypo	CHH	-0.0346
Gm11	33231781	33232780	Gmdrm	hypo	CHH	-0.0673
Gm11	33235976	33236095	Gmdrm	hypo	CHH	-0.1013
Gm11	33239632	33240630	Gmdrm	hypo	CHH	-0.0385
Gm11	33246114	33247114	Gmdrm	hypo	CHH	-0.0653
Gm11	33247122	33248117	Gmdrm	hypo	CHH	-0.0193
Gm11	33248139	33249121	Gmdrm	hypo	CHH	-0.0344
Gm11	33249143	33250128	Gmdrm	hypo	CHH	-0.0666
Gm11	33251149	33252127	Gmdrm	hypo	CHH	-0.0252
Gm11	33252153	33253153	Gmdrm	hypo	CHH	-0.0301
Gm11	33253157	33254138	Gmdrm	hypo	CHH	-0.0673
Gm11	33254164	33255154	Gmdrm	hypo	CHH	-0.0297
Gm11	33256580	33257556	Gmdrm	hypo	CHH	-0.1066
Gm11	33258620	33259607	Gmdrm	hypo	CHH	-0.0245
Gm11	33259639	33260639	Gmdrm	hypo	CHH	-0.0217
Gm11	33260641	33261637	Gmdrm	hypo	CHH	-0.036
Gm11	33261651	33262649	Gmdrm	hypo	CHH	-0.0494
Gm11	33263666	33264666	Gmdrm	hypo	CHH	-0.0328
Gm11	33291961	33292944	Gmdrm	hypo	CHH	-0.0224
Gm11	33298024	33299002	Gmdrm	hypo	CHH	-0.0165
Gm11	33305132	33306123	Gmdrm	hypo	CHH	-0.0449
Gm11	33306148	33307122	Gmdrm	hypo	CHH	-0.0278
Gm11	33307150	33307993	Gmdrm	hypo	CHH	-0.0498
Gm11	33316906	33317905	Gmdrm	hypo	CHH	-0.012
Gm11	33318913	33319909	Gmdrm	hypo	CHH	-0.0636
Gm11	33319930	33320924	Gmdrm	hypo	CHH	-0.0428
Gm11	33320935	33321931	Gmdrm	hypo	CHH	-0.0271
Gm11	33341029	33342028	Gmdrm	hypo	CHH	-0.0504
Gm11	33362794	33363750	Gmdrm	hypo	CHH	-0.0294
Gm11	33364843	33365835	Gmdrm	hypo	CHH	-0.039
Gm11	33390209	33391205	Gmdrm	hypo	CHH	-0.0245
Gm11	33398139	33399094	Gmdrm	hypo	CHH	-0.0221
Gm11	33400385	33401382	Gmdrm	hypo	CHH	-0.017
Gm11	33404835	33405824	Gmdrm	hypo	CHH	-0.1408
Gm11	33405839	33406839	Gmdrm	hypo	CHH	-0.1646
Gm11	33406842	33407819	Gmdrm	hypo	CHH	-0.1501
Gm11	33409264	33410263	Gmdrm	hypo	CHH	-0.1695
Gm11	33412837	33413773	Gmdrm	hypo	CHH	-0.135
Gm11	33421897	33422896	Gmdrm	hypo	CHH	-0.0558
Gm11	33444892	33444987	Gmdrm	hypo	CHH	-0.13
Gm11	33449638	33450632	Gmdrm	hypo	CHH	-0.0166
Gm11	33452827	33453825	Gmdrm	hypo	CHH	-0.0555
Gm11	33461594	33462593	Gmdrm	hypo	CHH	-0.0457
Gm11	33466381	33467379	Gmdrm	hypo	CHH	-0.0565

Gm11	33470365	33471352	Gmdrm	hypo	CHH	-0.0678
Gm11	33471379	33472343	Gmdrm	hypo	CHH	-0.0862
Gm11	33480390	33481371	Gmdrm	hypo	CHH	-0.0131
Gm11	33482414	33483408	Gmdrm	hypo	CHH	-0.102
Gm11	33500006	33500995	Gmdrm	hypo	CHH	-0.0339
Gm11	33501015	33501842	Gmdrm	hypo	CHH	-0.0482
Gm11	33502028	33503026	Gmdrm	hypo	CHH	-0.0183
Gm11	33503052	33504052	Gmdrm	hypo	CHH	-0.0277
Gm11	33504063	33505056	Gmdrm	hypo	CHH	-0.0316
Gm11	33505070	33505514	Gmdrm	hypo	CHH	-0.0506
Gm11	33507456	33508445	Gmdrm	hypo	CHH	-0.0597
Gm11	33509471	33510451	Gmdrm	hypo	CHH	-0.0308
Gm11	33510477	33511469	Gmdrm	hypo	CHH	-0.0507
Gm11	33513491	33514489	Gmdrm	hypo	CHH	-0.027
Gm11	33514495	33515492	Gmdrm	hypo	CHH	-0.0435
Gm11	33519157	33520157	Gmdrm	hypo	CHH	-0.0941
Gm11	33520159	33521136	Gmdrm	hypo	CHH	-0.1308
Gm11	33521189	33522151	Gmdrm	hypo	CHH	-0.0757
Gm11	33522190	33523186	Gmdrm	hypo	CHH	-0.0453
Gm11	33523195	33524092	Gmdrm	hypo	CHH	-0.0142
Gm11	33529529	33530527	Gmdrm	hypo	CHH	-0.0831
Gm11	33551511	33552510	Gmdrm	hypo	CHH	-0.0527
Gm11	33558511	33558681	Gmdrm	hypo	CHH	-0.0292
Gm11	33560963	33561935	Gmdrm	hypo	CHH	-0.0244
Gm11	33568412	33568857	Gmdrm	hypo	CHH	-0.03
Gm11	33570592	33571565	Gmdrm	hypo	CHH	-0.1284
Gm11	33571593	33571910	Gmdrm	hypo	CHH	-0.0247
Gm11	33576607	33577435	Gmdrm	hypo	CHH	-0.0416
Gm11	33578592	33579267	Gmdrm	hypo	CHH	-0.0201
Gm11	33583617	33584598	Gmdrm	hypo	CHH	-0.0149
Gm11	33589305	33590300	Gmdrm	hypo	CHH	-0.0271
Gm11	33613775	33614766	Gmdrm	hypo	CHH	-0.0456
Gm11	33614778	33615759	Gmdrm	hypo	CHH	-0.0251
Gm11	33622771	33623768	Gmdrm	hypo	CHH	-0.0456
Gm11	33629167	33630161	Gmdrm	hypo	CHH	-0.0228
Gm11	33634289	33635265	Gmdrm	hypo	CHH	-0.1434
Gm11	33636340	33637328	Gmdrm	hypo	CHH	-0.2165
Gm11	33637993	33638993	Gmdrm	hypo	CHH	-0.0177
Gm11	33643350	33644294	Gmdrm	hypo	CHH	-0.046
Gm11	33645955	33646929	Gmdrm	hypo	CHH	-0.0842
Gm11	33646963	33647961	Gmdrm	hypo	CHH	-0.0872
Gm11	33678083	33679080	Gmdrm	hypo	CHH	-0.0565
Gm11	33692290	33693283	Gmdrm	hypo	CHH	-0.0847
Gm11	33693291	33694255	Gmdrm	hypo	CHH	-0.0757
Gm11	33696621	33697620	Gmdrm	hypo	CHH	-0.0089
Gm11	33697637	33698627	Gmdrm	hypo	CHH	-0.0239

Gm11	33699743	33699981	Gmdrm	hypo	CHH	-0.1808
Gm11	33700085	33700848	Gmdrm	hypo	CHH	-0.2008
Gm11	33711722	33712347	Gmdrm	hypo	CHH	-0.0445
Gm11	33724887	33725872	Gmdrm	hypo	CHH	-0.0578
Gm11	33841040	33841988	Gmdrm	hypo	CHH	-0.0177
Gm11	33842041	33843035	Gmdrm	hypo	CHH	-0.0493
Gm11	33928469	33929465	Gmdrm	hypo	CHH	-0.0513
Gm11	33931490	33932489	Gmdrm	hypo	CHH	-0.0286
Gm11	33942672	33943671	Gmdrm	hypo	CHH	-0.0665
Gm11	33976591	33977585	Gmdrm	hypo	CHH	-0.0187
Gm11	33979671	33980666	Gmdrm	hypo	CHH	-0.0179
Gm11	33989026	33989904	Gmdrm	hypo	CHH	-0.0132
Gm11	33990016	33991015	Gmdrm	hypo	CHH	-0.073
Gm11	33991019	33992013	Gmdrm	hypo	CHH	-0.0782
Gm11	33992025	33993025	Gmdrm	hypo	CHH	-0.0143
Gm11	33996106	33997104	Gmdrm	hypo	CHH	-0.0366
Gm11	34020753	34021739	Gmdrm	hypo	CHH	-0.0111
Gm11	34022779	34023774	Gmdrm	hypo	CHH	-0.1125
Gm11	34026794	34027777	Gmdrm	hypo	CHH	-0.0232
Gm11	34033861	34034623	Gmdrm	hypo	CHH	-0.0189
Gm11	34159228	34160224	Gmdrm	hypo	CHH	-0.043
Gm11	34172571	34173567	Gmdrm	hypo	CHH	-0.0805
Gm11	34174517	34175505	Gmdrm	hypo	CHH	-0.051
Gm11	34183473	34183514	Gmdrm	hypo	CHH	-0.2117
Gm11	34253236	34254236	Gmdrm	hypo	CHH	-0.0341
Gm11	34254240	34255226	Gmdrm	hypo	CHH	-0.2168
Gm11	34258729	34259708	Gmdrm	hypo	CHH	-0.0267
Gm11	34301033	34302032	Gmdrm	hypo	CHH	-0.0245
Gm11	34302038	34302306	Gmdrm	hypo	CHH	-0.09
Gm11	34304953	34305953	Gmdrm	hypo	CHH	-0.0896
Gm11	34354742	34354857	Gmdrm	hypo	CHH	-0.076
Gm11	34395217	34396213	Gmdrm	hypo	CHH	-0.0347
Gm11	34399801	34400801	Gmdrm	hypo	CHH	-0.0204
Gm11	34400803	34401799	Gmdrm	hypo	CHH	-0.0442
Gm11	34583690	34584644	Gmdrm	hypo	CHH	-0.0222
Gm11	34590787	34590911	Gmdrm	hypo	CHH	-0.1189
Gm11	34592249	34593244	Gmdrm	hypo	CHH	-0.0453
Gm11	34617465	34618265	Gmdrm	hypo	CHH	-0.0613
Gm11	34626575	34627573	Gmdrm	hypo	CHH	-0.0469
Gm11	34655818	34656814	Gmdrm	hypo	CHH	-0.0289
Gm11	34657548	34658542	Gmdrm	hypo	CHH	-0.0461
Gm11	34670829	34671796	Gmdrm	hypo	CHH	-0.0182
Gm11	34695880	34696200	Gmdrm	hypo	CHH	-0.0386
Gm11	34696713	34697683	Gmdrm	hypo	CHH	-0.0766
Gm11	34702242	34702685	Gmdrm	hypo	CHH	-0.1291
Gm11	34704451	34705219	Gmdrm	hypo	CHH	-0.02

Gm11	34938337	34939333	Gmdrm	hypo	CHH	-0.0193
Gm11	34943077	34944066	Gmdrm	hypo	CHH	-0.0365
Gm11	34992017	34992990	Gmdrm	hypo	CHH	-0.1644
Gm11	34995556	34996549	Gmdrm	hypo	CHH	-0.0288
Gm11	35019944	35020926	Gmdrm	hypo	CHH	-0.0142
Gm11	35045465	35045738	Gmdrm	hypo	CHH	-0.0856
Gm11	35063716	35064708	Gmdrm	hypo	CHH	-0.0764
Gm11	35070231	35071225	Gmdrm	hypo	CHH	-0.1128
Gm11	35091073	35092068	Gmdrm	hypo	CHH	-0.0256
Gm11	35092088	35093084	Gmdrm	hypo	CHH	-0.0486
Gm11	35114654	35115651	Gmdrm	hypo	CHH	-0.0556
Gm11	35118948	35119941	Gmdrm	hypo	CHH	-0.0705
Gm11	35127796	35128299	Gmdrm	hypo	CHH	-0.0215
Gm11	35130502	35131501	Gmdrm	hypo	CHH	-0.0343
Gm11	35131693	35132687	Gmdrm	hypo	CHH	-0.0736
Gm11	35133733	35134732	Gmdrm	hypo	CHH	-0.1427
Gm11	35134737	35135731	Gmdrm	hypo	CHH	-0.0696
Gm11	35135756	35136483	Gmdrm	hypo	CHH	-0.036
Gm11	35145659	35146625	Gmdrm	hypo	CHH	-0.0777
Gm11	35147751	35148749	Gmdrm	hypo	CHH	-0.066
Gm11	35148755	35149753	Gmdrm	hypo	CHH	-0.0417
Gm11	35152713	35153713	Gmdrm	hypo	CHH	-0.0933
Gm11	35153890	35154664	Gmdrm	hypo	CHH	-0.3044
Gm11	35174197	35174752	Gmdrm	hypo	CHH	-0.1036
Gm11	35180162	35181158	Gmdrm	hypo	CHH	-0.0831
Gm11	35187829	35188828	Gmdrm	hypo	CHH	-0.2283
Gm11	35188834	35189831	Gmdrm	hypo	CHH	-0.1996
Gm11	35191853	35192850	Gmdrm	hypo	CHH	-0.0381
Gm11	35196878	35197841	Gmdrm	hypo	CHH	-0.0255
Gm11	35242544	35243531	Gmdrm	hypo	CHH	-0.3021
Gm11	35256178	35257177	Gmdrm	hypo	CHH	-0.0528
Gm11	35257181	35257901	Gmdrm	hypo	CHH	-0.0465
Gm11	35262627	35263557	Gmdrm	hypo	CHH	-0.0144
Gm11	35264643	35265643	Gmdrm	hypo	CHH	-0.1093
Gm11	35265654	35266322	Gmdrm	hypo	CHH	-0.1487
Gm11	35285749	35286745	Gmdrm	hypo	CHH	-0.0796
Gm11	35286755	35287719	Gmdrm	hypo	CHH	-0.0751
Gm11	35288768	35289766	Gmdrm	hypo	CHH	-0.1011
Gm11	35289772	35290770	Gmdrm	hypo	CHH	-0.0396
Gm11	35291788	35292785	Gmdrm	hypo	CHH	-0.0642
Gm11	35298580	35299470	Gmdrm	hypo	CHH	-0.0436
Gm11	35312923	35313879	Gmdrm	hypo	CHH	-0.0243
Gm11	35313924	35314923	Gmdrm	hypo	CHH	-0.1054
Gm11	35314925	35315923	Gmdrm	hypo	CHH	-0.1924
Gm11	35318205	35318258	Gmdrm	hypo	CHH	-0.0533
Gm11	35323194	35324181	Gmdrm	hypo	CHH	-0.0234

Gm11	35326209	35327196	Gmdrm	hypo	CHH	-0.018
Gm11	35328912	35329898	Gmdrm	hypo	CHH	-0.0251
Gm11	35335161	35336158	Gmdrm	hypo	CHH	-0.242
Gm11	35341189	35342154	Gmdrm	hypo	CHH	-0.0231
Gm11	35342200	35343167	Gmdrm	hypo	CHH	-0.0565
Gm11	35345083	35346083	Gmdrm	hypo	CHH	-0.2377
Gm11	35351131	35352018	Gmdrm	hypo	CHH	-0.1415
Gm11	35356194	35356776	Gmdrm	hypo	CHH	-0.0421
Gm11	35357311	35358311	Gmdrm	hypo	CHH	-0.2124
Gm11	35366177	35367161	Gmdrm	hypo	CHH	-0.0618
Gm11	35405015	35406015	Gmdrm	hypo	CHH	-0.0532
Gm11	35411063	35412054	Gmdrm	hypo	CHH	-0.0464
Gm11	35422460	35423454	Gmdrm	hypo	CHH	-0.2008
Gm11	35429242	35430240	Gmdrm	hypo	CHH	-0.0321
Gm11	35430249	35431244	Gmdrm	hypo	CHH	-0.0295
Gm11	35442303	35443302	Gmdrm	hypo	CHH	-0.0515
Gm11	35449367	35450349	Gmdrm	hypo	CHH	-0.0189
Gm11	35454503	35455487	Gmdrm	hypo	CHH	-0.0787
Gm11	35456716	35457406	Gmdrm	hypo	CHH	-0.0499
Gm11	35466413	35467358	Gmdrm	hypo	CHH	-0.0127
Gm11	35470596	35471595	Gmdrm	hypo	CHH	-0.0213
Gm11	35477841	35478829	Gmdrm	hypo	CHH	-0.0343
Gm11	35496970	35497959	Gmdrm	hypo	CHH	-0.0168
Gm11	35506743	35507733	Gmdrm	hypo	CHH	-0.0235
Gm11	35515789	35516775	Gmdrm	hypo	CHH	-0.0734
Gm11	35532953	35533938	Gmdrm	hypo	CHH	-0.0376
Gm11	35533957	35534418	Gmdrm	hypo	CHH	-0.0624
Gm11	35540036	35541028	Gmdrm	hypo	CHH	-0.02
Gm11	35541722	35542702	Gmdrm	hypo	CHH	-0.0624
Gm11	35542770	35543737	Gmdrm	hypo	CHH	-0.0256
Gm11	35590540	35591530	Gmdrm	hypo	CHH	-0.021
Gm11	35591545	35592544	Gmdrm	hypo	CHH	-0.0434
Gm11	35592546	35593041	Gmdrm	hypo	CHH	-0.1664
Gm11	35593160	35594148	Gmdrm	hypo	CHH	-0.1286
Gm11	35594166	35594259	Gmdrm	hypo	CHH	-0.1836
Gm11	35594593	35595584	Gmdrm	hypo	CHH	-0.0681
Gm11	35595620	35596608	Gmdrm	hypo	CHH	-0.3013
Gm11	35612612	35613598	Gmdrm	hypo	CHH	-0.0309
Gm11	35626026	35626699	Gmdrm	hypo	CHH	-0.083
Gm11	35633028	35633657	Gmdrm	hypo	CHH	-0.0969
Gm11	35639507	35640503	Gmdrm	hypo	CHH	-0.091
Gm11	35640515	35641515	Gmdrm	hypo	CHH	-0.0564
Gm11	35641522	35642509	Gmdrm	hypo	CHH	-0.1561
Gm11	35642528	35643525	Gmdrm	hypo	CHH	-0.052
Gm11	35645369	35646361	Gmdrm	hypo	CHH	-0.2382
Gm11	35646373	35647339	Gmdrm	hypo	CHH	-0.0862

Gm11	35656485	35657479	Gmdrm	hypo	CHH	-0.0836
Gm11	35658128	35659127	Gmdrm	hypo	CHH	-0.0853
Gm11	35676922	35677867	Gmdrm	hypo	CHH	-0.0134
Gm11	35677924	35678564	Gmdrm	hypo	CHH	-0.0283
Gm11	35681973	35682965	Gmdrm	hypo	CHH	-0.0259
Gm11	35684989	35685986	Gmdrm	hypo	CHH	-0.1292
Gm11	35685994	35686344	Gmdrm	hypo	CHH	-0.2926
Gm11	35692390	35692494	Gmdrm	hypo	CHH	-0.13
Gm11	35693139	35694131	Gmdrm	hypo	CHH	-0.0255
Gm11	35704764	35705744	Gmdrm	hypo	CHH	-0.0359
Gm11	35719151	35720096	Gmdrm	hypo	CHH	-0.0209
Gm11	35730502	35731502	Gmdrm	hypo	CHH	-0.2486
Gm11	35738391	35739388	Gmdrm	hypo	CHH	-0.0371
Gm11	35764213	35765211	Gmdrm	hypo	CHH	-0.0248
Gm11	35765259	35766215	Gmdrm	hypo	CHH	-0.0668
Gm11	35766394	35767390	Gmdrm	hypo	CHH	-0.1399
Gm11	35770981	35771977	Gmdrm	hypo	CHH	-0.049
Gm11	35772004	35772992	Gmdrm	hypo	CHH	-0.0579
Gm11	35773006	35773846	Gmdrm	hypo	CHH	-0.0229
Gm11	35774254	35775249	Gmdrm	hypo	CHH	-0.0422
Gm11	35775293	35776293	Gmdrm	hypo	CHH	-0.3452
Gm11	35794108	35794384	Gmdrm	hypo	CHH	-0.0212
Gm11	35798900	35799900	Gmdrm	hypo	CHH	-0.115
Gm11	35815172	35816058	Gmdrm	hypo	CHH	-0.0156
Gm11	35821245	35822218	Gmdrm	hypo	CHH	-0.0145
Gm11	35835551	35836356	Gmdrm	hypo	CHH	-0.067
Gm11	35839900	35840071	Gmdrm	hypo	CHH	-0.0618
Gm11	35842405	35842706	Gmdrm	hypo	CHH	-0.034
Gm11	35844623	35845622	Gmdrm	hypo	CHH	-0.0447
Gm11	35847595	35848595	Gmdrm	hypo	CHH	-0.0421
Gm11	35848606	35849603	Gmdrm	hypo	CHH	-0.0296
Gm11	35849608	35850602	Gmdrm	hypo	CHH	-0.0754
Gm11	35859643	35860022	Gmdrm	hypo	CHH	-0.0348
Gm11	35863500	35864496	Gmdrm	hypo	CHH	-0.0181
Gm11	35875686	35876686	Gmdrm	hypo	CHH	-0.1505
Gm11	35877595	35878554	Gmdrm	hypo	CHH	-0.0134
Gm11	35878610	35879593	Gmdrm	hypo	CHH	-0.0952
Gm11	35880689	35881294	Gmdrm	hypo	CHH	-0.0315
Gm11	35889120	35890104	Gmdrm	hypo	CHH	-0.0741
Gm11	35890145	35890642	Gmdrm	hypo	CHH	-0.2025
Gm11	35895857	35896812	Gmdrm	hypo	CHH	-0.0356
Gm11	35897106	35897623	Gmdrm	hypo	CHH	-0.022
Gm11	35904057	35905041	Gmdrm	hypo	CHH	-0.0661
Gm11	35926918	35927210	Gmdrm	hypo	CHH	-0.2116
Gm11	35927420	35928411	Gmdrm	hypo	CHH	-0.028
Gm11	35928428	35929414	Gmdrm	hypo	CHH	-0.0206

Gm11	35929436	35930414	Gmdrm	hypo	CHH	-0.0822
Gm11	35936572	35937571	Gmdrm	hypo	CHH	-0.0426
Gm11	35943292	35944282	Gmdrm	hypo	CHH	-0.0145
Gm11	35946350	35947054	Gmdrm	hypo	CHH	-0.0257
Gm11	35949957	35950957	Gmdrm	hypo	CHH	-0.021
Gm11	35952946	35953946	Gmdrm	hypo	CHH	-0.0687
Gm11	35953948	35954942	Gmdrm	hypo	CHH	-0.0693
Gm11	35955511	35956355	Gmdrm	hypo	CHH	-0.0641
Gm11	35960985	35961985	Gmdrm	hypo	CHH	-0.0294
Gm11	35974446	35975431	Gmdrm	hypo	CHH	-0.0543
Gm11	35983338	35984336	Gmdrm	hypo	CHH	-0.08
Gm11	35989934	35990929	Gmdrm	hypo	CHH	-0.0537
Gm11	36008189	36009169	Gmdrm	hypo	CHH	-0.0274
Gm11	36021461	36022460	Gmdrm	hypo	CHH	-0.0632
Gm11	36023467	36024462	Gmdrm	hypo	CHH	-0.0485
Gm11	36024471	36025471	Gmdrm	hypo	CHH	-0.0413
Gm11	36025494	36026458	Gmdrm	hypo	CHH	-0.0917
Gm11	36027395	36028389	Gmdrm	hypo	CHH	-0.0362
Gm11	36031516	36031856	Gmdrm	hypo	CHH	-0.2233
Gm11	36032245	36033242	Gmdrm	hypo	CHH	-0.075
Gm11	36039451	36040451	Gmdrm	hypo	CHH	-0.0406
Gm11	36046162	36047036	Gmdrm	hypo	CHH	-0.1103
Gm11	36050873	36051840	Gmdrm	hypo	CHH	-0.0138
Gm11	36053881	36054879	Gmdrm	hypo	CHH	-0.0164
Gm11	36054896	36055705	Gmdrm	hypo	CHH	-0.0188
Gm11	36076920	36077915	Gmdrm	hypo	CHH	-0.1385
Gm11	36077927	36078923	Gmdrm	hypo	CHH	-0.0165
Gm11	36078936	36079374	Gmdrm	hypo	CHH	-0.2201
Gm11	36083469	36084460	Gmdrm	hypo	CHH	-0.1746
Gm11	36084474	36085471	Gmdrm	hypo	CHH	-0.0236
Gm11	36086496	36087494	Gmdrm	hypo	CHH	-0.0856
Gm11	36088515	36089489	Gmdrm	hypo	CHH	-0.0433
Gm11	36090538	36091529	Gmdrm	hypo	CHH	-0.0464
Gm11	36094455	36095429	Gmdrm	hypo	CHH	-0.0188
Gm11	36096523	36097501	Gmdrm	hypo	CHH	-0.0585
Gm11	36097528	36098422	Gmdrm	hypo	CHH	-0.0674
Gm11	36106068	36107062	Gmdrm	hypo	CHH	-0.0212
Gm11	36107072	36108052	Gmdrm	hypo	CHH	-0.0947
Gm11	36119094	36119547	Gmdrm	hypo	CHH	-0.0213
Gm11	36120666	36121659	Gmdrm	hypo	CHH	-0.0158
Gm11	36122777	36123777	Gmdrm	hypo	CHH	-0.0184
Gm11	36133507	36133628	Gmdrm	hypo	CHH	-0.1
Gm11	36148475	36149463	Gmdrm	hypo	CHH	-0.0259
Gm11	36163604	36164588	Gmdrm	hypo	CHH	-0.0707
Gm11	36167544	36168541	Gmdrm	hypo	CHH	-0.0405
Gm11	36170582	36171299	Gmdrm	hypo	CHH	-0.0911

Gm11	36171431	36172415	Gmdrm	hypo	CHH	-0.0184
Gm11	36179994	36180991	Gmdrm	hypo	CHH	-0.0469
Gm11	36181003	36181679	Gmdrm	hypo	CHH	-0.0151
Gm11	36199098	36199825	Gmdrm	hypo	CHH	-0.012
Gm11	36200235	36201225	Gmdrm	hypo	CHH	-0.2468
Gm11	36202639	36203636	Gmdrm	hypo	CHH	-0.0495
Gm11	36210685	36211671	Gmdrm	hypo	CHH	-0.0345
Gm11	36233765	36234764	Gmdrm	hypo	CHH	-0.042
Gm11	36234787	36235756	Gmdrm	hypo	CHH	-0.0267
Gm11	36235807	36236807	Gmdrm	hypo	CHH	-0.0909
Gm11	36236813	36237775	Gmdrm	hypo	CHH	-0.0559
Gm11	36238848	36239848	Gmdrm	hypo	CHH	-0.0154
Gm11	36242464	36243453	Gmdrm	hypo	CHH	-0.0147
Gm11	36243486	36244382	Gmdrm	hypo	CHH	-0.0277
Gm11	36257654	36258629	Gmdrm	hypo	CHH	-0.0579
Gm11	36260679	36261644	Gmdrm	hypo	CHH	-0.0362
Gm11	36267624	36268623	Gmdrm	hypo	CHH	-0.0106
Gm11	36279275	36280264	Gmdrm	hypo	CHH	-0.0152
Gm11	36280288	36281284	Gmdrm	hypo	CHH	-0.0362
Gm11	36281385	36282384	Gmdrm	hypo	CHH	-0.1405
Gm11	36300550	36301222	Gmdrm	hypo	CHH	-0.0168
Gm11	36313456	36314443	Gmdrm	hypo	CHH	-0.0538
Gm11	36318597	36319550	Gmdrm	hypo	CHH	-0.0244
Gm11	36331834	36332834	Gmdrm	hypo	CHH	-0.0694
Gm11	36332845	36333832	Gmdrm	hypo	CHH	-0.0378
Gm11	36336079	36336372	Gmdrm	hypo	CHH	-0.2193
Gm11	36336493	36337475	Gmdrm	hypo	CHH	-0.143
Gm11	36337495	36338487	Gmdrm	hypo	CHH	-0.1389
Gm11	36339207	36340206	Gmdrm	hypo	CHH	-0.1563
Gm11	36345313	36346299	Gmdrm	hypo	CHH	-0.0162
Gm11	36348619	36349525	Gmdrm	hypo	CHH	-0.0698
Gm11	36352922	36353919	Gmdrm	hypo	CHH	-0.0636
Gm11	36353923	36354918	Gmdrm	hypo	CHH	-0.0521
Gm11	36356762	36357481	Gmdrm	hypo	CHH	-0.034
Gm11	36375034	36376024	Gmdrm	hypo	CHH	-0.1172
Gm11	36376035	36376198	Gmdrm	hypo	CHH	-0.0756
Gm11	36376612	36377584	Gmdrm	hypo	CHH	-0.0166
Gm11	36377838	36378816	Gmdrm	hypo	CHH	-0.0562
Gm11	36380249	36381235	Gmdrm	hypo	CHH	-0.0653
Gm11	36392841	36392940	Gmdrm	hypo	CHH	-0.0411
Gm11	36393154	36394151	Gmdrm	hypo	CHH	-0.0268
Gm11	36394162	36394812	Gmdrm	hypo	CHH	-0.0341
Gm11	36394951	36395945	Gmdrm	hypo	CHH	-0.0202
Gm11	36395955	36396951	Gmdrm	hypo	CHH	-0.0208
Gm11	36396965	36397451	Gmdrm	hypo	CHH	-0.0508
Gm11	36416148	36417144	Gmdrm	hypo	CHH	-0.0933

Gm11	36419119	36420089	Gmdrm	hypo	CHH	-0.0253
Gm11	36428895	36429892	Gmdrm	hypo	CHH	-0.0966
Gm11	36429898	36430498	Gmdrm	hypo	CHH	-0.0702
Gm11	36447303	36448299	Gmdrm	hypo	CHH	-0.0776
Gm11	36448304	36449300	Gmdrm	hypo	CHH	-0.0684
Gm11	36451339	36452338	Gmdrm	hypo	CHH	-0.1694
Gm11	36464904	36465895	Gmdrm	hypo	CHH	-0.024
Gm11	36474711	36475692	Gmdrm	hypo	CHH	-0.0275
Gm11	36487283	36488282	Gmdrm	hypo	CHH	-0.0175
Gm11	36490975	36491975	Gmdrm	hypo	CHH	-0.3127
Gm11	36491976	36492976	Gmdrm	hypo	CHH	-0.3151
Gm11	36492980	36493920	Gmdrm	hypo	CHH	-0.246
Gm11	36497959	36498910	Gmdrm	hypo	CHH	-0.0136
Gm11	36508688	36509678	Gmdrm	hypo	CHH	-0.018
Gm11	36519756	36520750	Gmdrm	hypo	CHH	-0.2148
Gm11	36520781	36521778	Gmdrm	hypo	CHH	-0.2105
Gm11	36521783	36522779	Gmdrm	hypo	CHH	-0.1961
Gm11	36526552	36526689	Gmdrm	hypo	CHH	-0.0567
Gm11	36526798	36527772	Gmdrm	hypo	CHH	-0.0157
Gm11	36529173	36530173	Gmdrm	hypo	CHH	-0.0532
Gm11	36530176	36531170	Gmdrm	hypo	CHH	-0.1015
Gm11	36539263	36540234	Gmdrm	hypo	CHH	-0.0247
Gm11	36540289	36541288	Gmdrm	hypo	CHH	-0.0434
Gm11	36544314	36545010	Gmdrm	hypo	CHH	-0.0593
Gm11	36560594	36561590	Gmdrm	hypo	CHH	-0.0478
Gm11	36561598	36562597	Gmdrm	hypo	CHH	-0.1639
Gm11	36570434	36571385	Gmdrm	hypo	CHH	-0.0113
Gm11	36572063	36573015	Gmdrm	hypo	CHH	-0.026
Gm11	36577605	36578565	Gmdrm	hypo	CHH	-0.025
Gm11	36587445	36588437	Gmdrm	hypo	CHH	-0.0278
Gm11	36588449	36589446	Gmdrm	hypo	CHH	-0.0702
Gm11	36589478	36590476	Gmdrm	hypo	CHH	-0.0195
Gm11	36596617	36597567	Gmdrm	hypo	CHH	-0.0132
Gm11	36599193	36600184	Gmdrm	hypo	CHH	-0.0253
Gm11	36600200	36601189	Gmdrm	hypo	CHH	-0.0523
Gm11	36609969	36610964	Gmdrm	hypo	CHH	-0.0151
Gm11	36612352	36613340	Gmdrm	hypo	CHH	-0.0937
Gm11	36614366	36615360	Gmdrm	hypo	CHH	-0.1581
Gm11	36616375	36617357	Gmdrm	hypo	CHH	-0.0144
Gm11	36632841	36633807	Gmdrm	hypo	CHH	-0.0216
Gm11	36637495	36638432	Gmdrm	hypo	CHH	-0.0116
Gm11	36648219	36649202	Gmdrm	hypo	CHH	-0.0242
Gm11	36650455	36651014	Gmdrm	hypo	CHH	-0.0168
Gm11	36657759	36657961	Gmdrm	hypo	CHH	-0.0725
Gm11	36663702	36664699	Gmdrm	hypo	CHH	-0.31
Gm11	36664704	36665309	Gmdrm	hypo	CHH	-0.3899

Gm11	36670196	36671193	Gmdrm	hypo	CHH	-0.0565
Gm11	36671206	36672169	Gmdrm	hypo	CHH	-0.1462
Gm11	36679198	36680198	Gmdrm	hypo	CHH	-0.0635
Gm11	36680199	36681037	Gmdrm	hypo	CHH	-0.2978
Gm11	36687821	36688819	Gmdrm	hypo	CHH	-0.0176
Gm11	36692592	36693580	Gmdrm	hypo	CHH	-0.0258
Gm11	36700944	36701944	Gmdrm	hypo	CHH	-0.035
Gm11	36723129	36724125	Gmdrm	hypo	CHH	-0.1375
Gm11	36726956	36727941	Gmdrm	hypo	CHH	-0.016
Gm11	36730735	36730856	Gmdrm	hypo	CHH	-0.0786
Gm11	36731302	36731802	Gmdrm	hypo	CHH	-0.0906
Gm11	36734380	36735362	Gmdrm	hypo	CHH	-0.0507
Gm11	36739247	36740247	Gmdrm	hypo	CHH	-0.0176
Gm11	36758101	36758306	Gmdrm	hypo	CHH	-0.0522
Gm11	36764266	36765266	Gmdrm	hypo	CHH	-0.0232
Gm11	36765581	36766577	Gmdrm	hypo	CHH	-0.0342
Gm11	36768945	36769439	Gmdrm	hypo	CHH	-0.0313
Gm11	36772629	36773580	Gmdrm	hypo	CHH	-0.0371
Gm11	36814566	36815553	Gmdrm	hypo	CHH	-0.071
Gm11	36830656	36831654	Gmdrm	hypo	CHH	-0.03
Gm11	36831690	36832648	Gmdrm	hypo	CHH	-0.0166
Gm11	36836778	36837742	Gmdrm	hypo	CHH	-0.1352
Gm11	36851441	36851476	Gmdrm	hypo	CHH	-0.096
Gm11	36859816	36860811	Gmdrm	hypo	CHH	-0.0392
Gm11	36860826	36861824	Gmdrm	hypo	CHH	-0.0284
Gm11	36867585	36868584	Gmdrm	hypo	CHH	-0.024
Gm11	36868588	36869530	Gmdrm	hypo	CHH	-0.0263
Gm11	36872473	36873451	Gmdrm	hypo	CHH	-0.0146
Gm11	36902020	36903016	Gmdrm	hypo	CHH	-0.0499
Gm11	36903025	36904024	Gmdrm	hypo	CHH	-0.1048
Gm11	36905034	36905165	Gmdrm	hypo	CHH	-0.0247
Gm11	36910223	36910723	Gmdrm	hypo	CHH	-0.0202
Gm11	36911868	36912093	Gmdrm	hypo	CHH	-0.1146
Gm11	36920274	36921262	Gmdrm	hypo	CHH	-0.055
Gm11	36927071	36928058	Gmdrm	hypo	CHH	-0.0369
Gm11	36931985	36932700	Gmdrm	hypo	CHH	-0.2344
Gm11	36948696	36949695	Gmdrm	hypo	CHH	-0.2829
Gm11	36949700	36950680	Gmdrm	hypo	CHH	-0.134
Gm11	36955574	36956571	Gmdrm	hypo	CHH	-0.0421
Gm11	36956576	36957573	Gmdrm	hypo	CHH	-0.0351
Gm11	36957580	36958579	Gmdrm	hypo	CHH	-0.1378
Gm11	36977887	36978747	Gmdrm	hypo	CHH	-0.0241
Gm11	36981042	36981845	Gmdrm	hypo	CHH	-0.0448
Gm11	36983982	36984625	Gmdrm	hypo	CHH	-0.0303
Gm11	36984739	36985738	Gmdrm	hypo	CHH	-0.0465
Gm11	36985744	36986743	Gmdrm	hypo	CHH	-0.0284

Gm11	36998609	36999606	Gmdrm	hypo	CHH	-0.032
Gm11	36999620	37000596	Gmdrm	hypo	CHH	-0.0203
Gm11	37000688	37001686	Gmdrm	hypo	CHH	-0.0143
Gm11	37006017	37006986	Gmdrm	hypo	CHH	-0.0131
Gm11	37016322	37016702	Gmdrm	hypo	CHH	-0.0396
Gm11	37030113	37030939	Gmdrm	hypo	CHH	-0.0105
Gm11	37045228	37046223	Gmdrm	hypo	CHH	-0.0449
Gm11	37046229	37047228	Gmdrm	hypo	CHH	-0.0235
Gm11	37050604	37051589	Gmdrm	hypo	CHH	-0.0648
Gm11	37051611	37051759	Gmdrm	hypo	CHH	-0.0664
Gm11	37051879	37052874	Gmdrm	hypo	CHH	-0.0321
Gm11	37053897	37054879	Gmdrm	hypo	CHH	-0.0495
Gm11	37055441	37056434	Gmdrm	hypo	CHH	-0.0225
Gm11	37056450	37056885	Gmdrm	hypo	CHH	-0.0206
Gm11	37064694	37065678	Gmdrm	hypo	CHH	-0.0137
Gm11	37065704	37066701	Gmdrm	hypo	CHH	-0.1358
Gm11	37067735	37068694	Gmdrm	hypo	CHH	-0.0195
Gm11	37070808	37071796	Gmdrm	hypo	CHH	-0.0446
Gm11	37071809	37072784	Gmdrm	hypo	CHH	-0.0762
Gm11	37079515	37080135	Gmdrm	hypo	CHH	-0.0562
Gm11	37093689	37094689	Gmdrm	hypo	CHH	-0.0993
Gm11	37094698	37095677	Gmdrm	hypo	CHH	-0.0648
Gm11	37095720	37096711	Gmdrm	hypo	CHH	-0.0144
Gm11	37102453	37103433	Gmdrm	hypo	CHH	-0.0355
Gm11	37103475	37104204	Gmdrm	hypo	CHH	-0.0224
Gm11	37109867	37110834	Gmdrm	hypo	CHH	-0.0184
Gm11	37110873	37111859	Gmdrm	hypo	CHH	-0.0219
Gm11	37118454	37119445	Gmdrm	hypo	CHH	-0.0186
Gm11	37122372	37123327	Gmdrm	hypo	CHH	-0.1978
Gm11	37123374	37124368	Gmdrm	hypo	CHH	-0.0771
Gm11	37124376	37124837	Gmdrm	hypo	CHH	-0.0618
Gm11	37125393	37126363	Gmdrm	hypo	CHH	-0.0151
Gm11	37142442	37143174	Gmdrm	hypo	CHH	-0.1417
Gm11	37157488	37158454	Gmdrm	hypo	CHH	-0.0171
Gm11	37171345	37172343	Gmdrm	hypo	CHH	-0.0225
Gm11	37173390	37174367	Gmdrm	hypo	CHH	-0.0154
Gm11	37177540	37178502	Gmdrm	hypo	CHH	-0.0351
Gm11	37186083	37187082	Gmdrm	hypo	CHH	-0.0179
Gm11	37187097	37188086	Gmdrm	hypo	CHH	-0.0584
Gm11	37201850	37202201	Gmdrm	hypo	CHH	-0.034
Gm11	37211080	37212073	Gmdrm	hypo	CHH	-0.0553
Gm11	37212124	37213124	Gmdrm	hypo	CHH	-0.0483
Gm11	37220535	37221531	Gmdrm	hypo	CHH	-0.0619
Gm11	37221539	37221907	Gmdrm	hypo	CHH	-0.0871
Gm11	37224016	37225016	Gmdrm	hypo	CHH	-0.0148
Gm11	37226717	37226835	Gmdrm	hypo	CHH	-0.102

Gm11	37234093	37235092	Gmdrm	hypo	CHH	-0.0683
Gm11	37235096	37236044	Gmdrm	hypo	CHH	-0.0435
Gm11	37243767	37244744	Gmdrm	hypo	CHH	-0.1141
Gm11	37244783	37245769	Gmdrm	hypo	CHH	-0.0277
Gm11	37246823	37247812	Gmdrm	hypo	CHH	-0.0226
Gm11	37255279	37256267	Gmdrm	hypo	CHH	-0.0246
Gm11	37256344	37257335	Gmdrm	hypo	CHH	-0.066
Gm11	37257361	37258351	Gmdrm	hypo	CHH	-0.0461
Gm11	37258383	37259375	Gmdrm	hypo	CHH	-0.0206
Gm11	37261056	37262020	Gmdrm	hypo	CHH	-0.0144
Gm11	37274807	37275060	Gmdrm	hypo	CHH	-0.066
Gm11	37281436	37282409	Gmdrm	hypo	CHH	-0.0147
Gm11	37284721	37284744	Gmdrm	hypo	CHH	-0.134
Gm11	37286284	37287239	Gmdrm	hypo	CHH	-0.0163
Gm11	37290342	37291311	Gmdrm	hypo	CHH	-0.0315
Gm11	37293384	37294383	Gmdrm	hypo	CHH	-0.0159
Gm11	37295961	37296948	Gmdrm	hypo	CHH	-0.0271
Gm11	37297964	37298964	Gmdrm	hypo	CHH	-0.04
Gm11	37298973	37299972	Gmdrm	hypo	CHH	-0.0879
Gm11	37299977	37300641	Gmdrm	hypo	CHH	-0.0753
Gm11	37300776	37301759	Gmdrm	hypo	CHH	-0.0886
Gm11	37305793	37306786	Gmdrm	hypo	CHH	-0.0499
Gm11	37306801	37307719	Gmdrm	hypo	CHH	-0.1845
Gm11	37311068	37312028	Gmdrm	hypo	CHH	-0.0249
Gm11	37314137	37315134	Gmdrm	hypo	CHH	-0.0821
Gm11	37316198	37317189	Gmdrm	hypo	CHH	-0.0172
Gm11	37320876	37321876	Gmdrm	hypo	CHH	-0.0791
Gm11	37321877	37322876	Gmdrm	hypo	CHH	-0.073
Gm11	37322891	37323891	Gmdrm	hypo	CHH	-0.081
Gm11	37335313	37336303	Gmdrm	hypo	CHH	-0.0326
Gm11	37345718	37346140	Gmdrm	hypo	CHH	-0.0169
Gm11	37354555	37355143	Gmdrm	hypo	CHH	-0.023
Gm11	37358064	37359061	Gmdrm	hypo	CHH	-0.0241
Gm11	37359071	37360069	Gmdrm	hypo	CHH	-0.0352
Gm11	37360698	37361496	Gmdrm	hypo	CHH	-0.1096
Gm11	37362678	37363669	Gmdrm	hypo	CHH	-0.0373
Gm11	37363688	37364671	Gmdrm	hypo	CHH	-0.0506
Gm11	37366716	37367404	Gmdrm	hypo	CHH	-0.054
Gm11	37367544	37368536	Gmdrm	hypo	CHH	-0.0233
Gm11	37368555	37369554	Gmdrm	hypo	CHH	-0.2003
Gm11	37369575	37370531	Gmdrm	hypo	CHH	-0.0244
Gm11	37370583	37371579	Gmdrm	hypo	CHH	-0.2283
Gm11	37372834	37373812	Gmdrm	hypo	CHH	-0.0864
Gm11	37375197	37376195	Gmdrm	hypo	CHH	-0.0678
Gm11	37376201	37376832	Gmdrm	hypo	CHH	-0.1031
Gm11	37379870	37380835	Gmdrm	hypo	CHH	-0.015

Gm11	37386413	37387411	Gmdrm	hypo	CHH	-0.0109
Gm11	37392596	37393212	Gmdrm	hypo	CHH	-0.0198
Gm11	37397147	37398141	Gmdrm	hypo	CHH	-0.0274
Gm11	37399401	37400393	Gmdrm	hypo	CHH	-0.1038
Gm11	37400406	37401384	Gmdrm	hypo	CHH	-0.2865
Gm11	37402477	37403475	Gmdrm	hypo	CHH	-0.2273
Gm11	37403484	37403873	Gmdrm	hypo	CHH	-0.299
Gm11	37425139	37425220	Gmdrm	hypo	CHH	-0.064
Gm11	37430478	37431468	Gmdrm	hypo	CHH	-0.017
Gm11	37436073	37437072	Gmdrm	hypo	CHH	-0.0533
Gm11	37472730	37473729	Gmdrm	hypo	CHH	-0.0149
Gm11	37480886	37481344	Gmdrm	hypo	CHH	-0.0531
Gm11	37489894	37490050	Gmdrm	hypo	CHH	-0.059
Gm11	37499012	37499996	Gmdrm	hypo	CHH	-0.1239
Gm11	37500016	37500500	Gmdrm	hypo	CHH	-0.0179
Gm11	37510041	37511029	Gmdrm	hypo	CHH	-0.0131
Gm11	37513379	37514375	Gmdrm	hypo	CHH	-0.0311
Gm11	37514381	37515380	Gmdrm	hypo	CHH	-0.1023
Gm11	37515398	37516398	Gmdrm	hypo	CHH	-0.0559
Gm11	37530089	37531088	Gmdrm	hypo	CHH	-0.0408
Gm11	37534167	37535126	Gmdrm	hypo	CHH	-0.0132
Gm11	37535168	37536168	Gmdrm	hypo	CHH	-0.0294
Gm11	37536194	37537186	Gmdrm	hypo	CHH	-0.1161
Gm11	37537198	37538180	Gmdrm	hypo	CHH	-0.0608
Gm11	37538199	37539187	Gmdrm	hypo	CHH	-0.0705
Gm11	37539210	37539582	Gmdrm	hypo	CHH	-0.0423
Gm11	37545464	37546458	Gmdrm	hypo	CHH	-0.0573
Gm11	37548071	37548229	Gmdrm	hypo	CHH	-0.0243
Gm11	37579007	37579996	Gmdrm	hypo	CHH	-0.0286
Gm11	37582064	37583062	Gmdrm	hypo	CHH	-0.0757
Gm11	37583069	37584041	Gmdrm	hypo	CHH	-0.251
Gm11	37587084	37588082	Gmdrm	hypo	CHH	-0.0235
Gm11	37588113	37589110	Gmdrm	hypo	CHH	-0.0566
Gm11	37589120	37590106	Gmdrm	hypo	CHH	-0.0187
Gm11	37591969	37592957	Gmdrm	hypo	CHH	-0.0569
Gm11	37595012	37595999	Gmdrm	hypo	CHH	-0.0238
Gm11	37599803	37600432	Gmdrm	hypo	CHH	-0.0418
Gm11	37618556	37619553	Gmdrm	hypo	CHH	-0.0329
Gm11	37629780	37630778	Gmdrm	hypo	CHH	-0.0334
Gm11	37636388	37637384	Gmdrm	hypo	CHH	-0.3138
Gm11	37637389	37637908	Gmdrm	hypo	CHH	-0.1681
Gm11	37642641	37642750	Gmdrm	hypo	CHH	-0.068
Gm11	37653896	37654882	Gmdrm	hypo	CHH	-0.0163
Gm11	37655393	37656161	Gmdrm	hypo	CHH	-0.0449
Gm11	37656268	37657262	Gmdrm	hypo	CHH	-0.0952
Gm11	37657286	37658285	Gmdrm	hypo	CHH	-0.0164

Gm11	37658303	37658888	Gmdrm	hypo	CHH	-0.3757
Gm11	37661005	37662005	Gmdrm	hypo	CHH	-0.029
Gm11	37662034	37663030	Gmdrm	hypo	CHH	-0.0159
Gm11	37687924	37688898	Gmdrm	hypo	CHH	-0.0464
Gm11	37691525	37691796	Gmdrm	hypo	CHH	-0.0482
Gm11	37693943	37694939	Gmdrm	hypo	CHH	-0.0223
Gm11	37700471	37701456	Gmdrm	hypo	CHH	-0.016
Gm11	37704638	37705594	Gmdrm	hypo	CHH	-0.0197
Gm11	37705644	37706643	Gmdrm	hypo	CHH	-0.0362
Gm11	37715212	37716202	Gmdrm	hypo	CHH	-0.1625
Gm11	37716219	37717202	Gmdrm	hypo	CHH	-0.2173
Gm11	37717229	37717515	Gmdrm	hypo	CHH	-0.0216
Gm11	37728651	37729634	Gmdrm	hypo	CHH	-0.0157
Gm11	37730666	37730913	Gmdrm	hypo	CHH	-0.0462
Gm11	37739902	37740900	Gmdrm	hypo	CHH	-0.0795
Gm11	37740906	37741898	Gmdrm	hypo	CHH	-0.0899
Gm11	37754693	37755693	Gmdrm	hypo	CHH	-0.0602
Gm11	37755706	37756697	Gmdrm	hypo	CHH	-0.048
Gm11	37763970	37764269	Gmdrm	hypo	CHH	-0.021
Gm11	37765861	37766861	Gmdrm	hypo	CHH	-0.2351
Gm11	37774553	37775546	Gmdrm	hypo	CHH	-0.279
Gm11	37787320	37788167	Gmdrm	hypo	CHH	-0.0992
Gm11	37790113	37790279	Gmdrm	hypo	CHH	-0.0364
Gm11	37793420	37794387	Gmdrm	hypo	CHH	-0.0122
Gm11	37797464	37798439	Gmdrm	hypo	CHH	-0.0607
Gm11	37810075	37811067	Gmdrm	hypo	CHH	-0.0239
Gm11	37814190	37815188	Gmdrm	hypo	CHH	-0.036
Gm11	37816947	37817550	Gmdrm	hypo	CHH	-0.0545
Gm11	37826686	37827678	Gmdrm	hypo	CHH	-0.051
Gm11	37827713	37828702	Gmdrm	hypo	CHH	-0.0125
Gm11	37835081	37836081	Gmdrm	hypo	CHH	-0.0708
Gm11	37837092	37838091	Gmdrm	hypo	CHH	-0.0613
Gm11	37841141	37842141	Gmdrm	hypo	CHH	-0.0149
Gm11	37844305	37845282	Gmdrm	hypo	CHH	-0.015
Gm11	37845393	37846384	Gmdrm	hypo	CHH	-0.1902
Gm11	37848412	37849411	Gmdrm	hypo	CHH	-0.0134
Gm11	37849415	37850414	Gmdrm	hypo	CHH	-0.0306
Gm11	37858452	37859370	Gmdrm	hypo	CHH	-0.1956
Gm11	37859819	37860817	Gmdrm	hypo	CHH	-0.0269
Gm11	37860876	37861876	Gmdrm	hypo	CHH	-0.0541
Gm11	37861894	37862852	Gmdrm	hypo	CHH	-0.02
Gm11	37863914	37864235	Gmdrm	hypo	CHH	-0.0253
Gm11	37864476	37864563	Gmdrm	hypo	CHH	-0.05
Gm11	37876309	37877306	Gmdrm	hypo	CHH	-0.0293
Gm11	37877311	37878292	Gmdrm	hypo	CHH	-0.0286
Gm11	37884922	37885865	Gmdrm	hypo	CHH	-0.0259

Gm11	37898098	37899091	Gmdrm	hypo	CHH	-0.0351
Gm11	37900103	37901102	Gmdrm	hypo	CHH	-0.1388
Gm11	37901116	37901613	Gmdrm	hypo	CHH	-0.2535
Gm11	37905159	37906137	Gmdrm	hypo	CHH	-0.0253
Gm11	37931410	37932405	Gmdrm	hypo	CHH	-0.1506
Gm11	37932417	37933389	Gmdrm	hypo	CHH	-0.1117
Gm11	37935259	37936245	Gmdrm	hypo	CHH	-0.0184
Gm11	37938012	37939012	Gmdrm	hypo	CHH	-0.0732
Gm11	37939037	37940035	Gmdrm	hypo	CHH	-0.012
Gm11	37942308	37942832	Gmdrm	hypo	CHH	-0.0218
Gm11	37942940	37943924	Gmdrm	hypo	CHH	-0.025
Gm11	37952934	37953932	Gmdrm	hypo	CHH	-0.0177
Gm11	37953941	37954759	Gmdrm	hypo	CHH	-0.1084
Gm11	37967390	37968365	Gmdrm	hypo	CHH	-0.0155
Gm11	37968393	37969382	Gmdrm	hypo	CHH	-0.0621
Gm11	37974413	37975409	Gmdrm	hypo	CHH	-0.0579
Gm11	37975418	37976122	Gmdrm	hypo	CHH	-0.1979
Gm11	37976300	37977284	Gmdrm	hypo	CHH	-0.0301
Gm11	37978248	37979247	Gmdrm	hypo	CHH	-0.0535
Gm11	37980267	37981263	Gmdrm	hypo	CHH	-0.0649
Gm11	37981273	37982259	Gmdrm	hypo	CHH	-0.13
Gm11	37984755	37985243	Gmdrm	hypo	CHH	-0.0396
Gm11	37988895	37989150	Gmdrm	hypo	CHH	-0.0257
Gm11	38001716	38002709	Gmdrm	hypo	CHH	-0.012
Gm11	38007250	38008202	Gmdrm	hypo	CHH	-0.0886
Gm11	38021896	38022410	Gmdrm	hypo	CHH	-0.019
Gm11	38037644	38038643	Gmdrm	hypo	CHH	-0.0369
Gm11	38038669	38039653	Gmdrm	hypo	CHH	-0.0417
Gm11	38041815	38042687	Gmdrm	hypo	CHH	-0.0159
Gm11	38045834	38046826	Gmdrm	hypo	CHH	-0.0532
Gm11	38048584	38049543	Gmdrm	hypo	CHH	-0.0235
Gm11	38054907	38055290	Gmdrm	hypo	CHH	-0.1385
Gm11	38072326	38073305	Gmdrm	hypo	CHH	-0.0769
Gm11	38073328	38074324	Gmdrm	hypo	CHH	-0.1036
Gm11	38074332	38075319	Gmdrm	hypo	CHH	-0.0825
Gm11	38075361	38076357	Gmdrm	hypo	CHH	-0.0912
Gm11	38076362	38077344	Gmdrm	hypo	CHH	-0.0346
Gm11	38084848	38085823	Gmdrm	hypo	CHH	-0.0347
Gm11	38111240	38112204	Gmdrm	hypo	CHH	-0.044
Gm11	38113813	38114810	Gmdrm	hypo	CHH	-0.037
Gm11	38114816	38115816	Gmdrm	hypo	CHH	-0.1928
Gm11	38115817	38116804	Gmdrm	hypo	CHH	-0.0638
Gm11	38127473	38128440	Gmdrm	hypo	CHH	-0.0359
Gm11	38143552	38144501	Gmdrm	hypo	CHH	-0.0231
Gm11	38147854	38148843	Gmdrm	hypo	CHH	-0.0256
Gm11	38164687	38165679	Gmdrm	hypo	CHH	-0.0758

Gm11	38165692	38166691	Gmdrm	hypo	CHH	-0.0424
Gm11	38179731	38180731	Gmdrm	hypo	CHH	-0.0472
Gm11	38188370	38189014	Gmdrm	hypo	CHH	-0.4135
Gm11	38202164	38202207	Gmdrm	hypo	CHH	-0.0678
Gm11	38211432	38212426	Gmdrm	hypo	CHH	-0.045
Gm11	38212435	38212732	Gmdrm	hypo	CHH	-0.0739
Gm11	38224926	38225925	Gmdrm	hypo	CHH	-0.0112
Gm11	38228590	38229057	Gmdrm	hypo	CHH	-0.0294
Gm11	38232079	38233063	Gmdrm	hypo	CHH	-0.0244
Gm11	38233083	38233392	Gmdrm	hypo	CHH	-0.0435
Gm11	38235171	38236157	Gmdrm	hypo	CHH	-0.0338
Gm11	38236181	38237164	Gmdrm	hypo	CHH	-0.053
Gm11	38237185	38238182	Gmdrm	hypo	CHH	-0.0615
Gm11	38250515	38251053	Gmdrm	hypo	CHH	-0.0358
Gm11	38260172	38261171	Gmdrm	hypo	CHH	-0.0129
Gm11	38263179	38264164	Gmdrm	hypo	CHH	-0.1214
Gm11	38287519	38288519	Gmdrm	hypo	CHH	-0.1426
Gm11	38288521	38289515	Gmdrm	hypo	CHH	-0.1607
Gm11	38289533	38290528	Gmdrm	hypo	CHH	-0.0438
Gm11	38297679	38297853	Gmdrm	hypo	CHH	-0.06
Gm11	38300629	38301576	Gmdrm	hypo	CHH	-0.0633
Gm11	38317624	38318611	Gmdrm	hypo	CHH	-0.0249
Gm11	38323440	38323844	Gmdrm	hypo	CHH	-0.0432
Gm11	38324787	38325775	Gmdrm	hypo	CHH	-0.0144
Gm11	38328479	38328878	Gmdrm	hypo	CHH	-0.0592
Gm11	38354142	38354726	Gmdrm	hypo	CHH	-0.0355
Gm11	38356780	38357216	Gmdrm	hypo	CHH	-0.1141
Gm11	38357517	38358511	Gmdrm	hypo	CHH	-0.07
Gm11	38359552	38360549	Gmdrm	hypo	CHH	-0.0455
Gm11	38368849	38369846	Gmdrm	hypo	CHH	-0.0518
Gm11	38372940	38373334	Gmdrm	hypo	CHH	-0.1584
Gm11	38375876	38376874	Gmdrm	hypo	CHH	-0.0209
Gm11	38383558	38384528	Gmdrm	hypo	CHH	-0.053
Gm11	38392727	38392968	Gmdrm	hypo	CHH	-0.0431
Gm11	38401016	38402016	Gmdrm	hypo	CHH	-0.0671
Gm11	38404043	38405032	Gmdrm	hypo	CHH	-0.0369
Gm11	38414162	38415125	Gmdrm	hypo	CHH	-0.018
Gm11	38418235	38418543	Gmdrm	hypo	CHH	-0.0374
Gm11	38429582	38430555	Gmdrm	hypo	CHH	-0.1125
Gm11	38434074	38435043	Gmdrm	hypo	CHH	-0.0148
Gm11	38441831	38442812	Gmdrm	hypo	CHH	-0.1089
Gm11	38442834	38443824	Gmdrm	hypo	CHH	-0.0129
Gm11	38448122	38449119	Gmdrm	hypo	CHH	-0.0808
Gm11	38454625	38455621	Gmdrm	hypo	CHH	-0.1041
Gm11	38455627	38456606	Gmdrm	hypo	CHH	-0.0739
Gm11	38456641	38457639	Gmdrm	hypo	CHH	-0.0401

Gm11	38461353	38462351	Gmdrm	hypo	CHH	-0.1243
Gm11	38462356	38463332	Gmdrm	hypo	CHH	-0.0963
Gm11	38463358	38464330	Gmdrm	hypo	CHH	-0.0526
Gm11	38469577	38470574	Gmdrm	hypo	CHH	-0.1826
Gm11	38470582	38471582	Gmdrm	hypo	CHH	-0.083
Gm11	38471584	38472580	Gmdrm	hypo	CHH	-0.0904
Gm11	38504181	38505179	Gmdrm	hypo	CHH	-0.0264
Gm11	38505184	38506170	Gmdrm	hypo	CHH	-0.134
Gm11	38508241	38509236	Gmdrm	hypo	CHH	-0.0141
Gm11	38514531	38514918	Gmdrm	hypo	CHH	-0.033
Gm11	38516066	38517038	Gmdrm	hypo	CHH	-0.035
Gm11	38517092	38518081	Gmdrm	hypo	CHH	-0.0185
Gm11	38522307	38523302	Gmdrm	hypo	CHH	-0.0512
Gm11	38527782	38528780	Gmdrm	hypo	CHH	-0.115
Gm11	38528783	38529765	Gmdrm	hypo	CHH	-0.0717
Gm11	38532877	38533863	Gmdrm	hypo	CHH	-0.031
Gm11	38540486	38541476	Gmdrm	hypo	CHH	-0.0374
Gm11	38548847	38549845	Gmdrm	hypo	CHH	-0.1236
Gm11	38549877	38550869	Gmdrm	hypo	CHH	-0.016
Gm11	38554489	38555455	Gmdrm	hypo	CHH	-0.0187
Gm11	38558170	38559155	Gmdrm	hypo	CHH	-0.0358
Gm11	38559176	38559748	Gmdrm	hypo	CHH	-0.0448
Gm11	38560799	38561798	Gmdrm	hypo	CHH	-0.0199
Gm11	38561803	38562790	Gmdrm	hypo	CHH	-0.0481
Gm11	38567409	38568363	Gmdrm	hypo	CHH	-0.0453
Gm11	38581467	38582466	Gmdrm	hypo	CHH	-0.1306
Gm11	38586134	38586583	Gmdrm	hypo	CHH	-0.0439
Gm11	38590321	38591309	Gmdrm	hypo	CHH	-0.0177
Gm11	38593241	38594239	Gmdrm	hypo	CHH	-0.0781
Gm11	38594242	38595233	Gmdrm	hypo	CHH	-0.0421
Gm11	38597263	38598255	Gmdrm	hypo	CHH	-0.0446
Gm11	38599344	38600342	Gmdrm	hypo	CHH	-0.0749
Gm11	38602500	38603500	Gmdrm	hypo	CHH	-0.0144
Gm11	38607736	38608708	Gmdrm	hypo	CHH	-0.0213
Gm11	38613534	38613615	Gmdrm	hypo	CHH	-0.0517
Gm11	38613755	38614726	Gmdrm	hypo	CHH	-0.0226
Gm11	38617606	38618600	Gmdrm	hypo	CHH	-0.2073
Gm11	38619678	38620665	Gmdrm	hypo	CHH	-0.0273
Gm11	38621687	38622687	Gmdrm	hypo	CHH	-0.066
Gm11	38635695	38636692	Gmdrm	hypo	CHH	-0.0613
Gm11	38636696	38637692	Gmdrm	hypo	CHH	-0.0622
Gm11	38637701	38638687	Gmdrm	hypo	CHH	-0.1225
Gm11	38639735	38640722	Gmdrm	hypo	CHH	-0.0267
Gm11	38650010	38650993	Gmdrm	hypo	CHH	-0.0734
Gm11	38668489	38669479	Gmdrm	hypo	CHH	-0.077
Gm11	38669491	38670474	Gmdrm	hypo	CHH	-0.0475

Gm11	38673621	38674621	Gmdrm	hypo	CHH	-0.0178
Gm11	38700766	38701742	Gmdrm	hypo	CHH	-0.0223
Gm11	38718631	38719603	Gmdrm	hypo	CHH	-0.0545
Gm11	38720642	38721572	Gmdrm	hypo	CHH	-0.0479
Gm11	38726475	38727017	Gmdrm	hypo	CHH	-0.02
Gm11	38727124	38728123	Gmdrm	hypo	CHH	-0.0188
Gm11	38742027	38743011	Gmdrm	hypo	CHH	-0.0666
Gm11	38743029	38744026	Gmdrm	hypo	CHH	-0.02
Gm11	38744031	38744986	Gmdrm	hypo	CHH	-0.0354
Gm11	38745175	38746173	Gmdrm	hypo	CHH	-0.0263
Gm11	38746176	38747176	Gmdrm	hypo	CHH	-0.0848
Gm11	38748182	38748650	Gmdrm	hypo	CHH	-0.0452
Gm11	38753035	38753998	Gmdrm	hypo	CHH	-0.0309
Gm11	38762045	38762594	Gmdrm	hypo	CHH	-0.0264
Gm11	38779733	38780277	Gmdrm	hypo	CHH	-0.03
Gm11	38783717	38784715	Gmdrm	hypo	CHH	-0.022
Gm11	38797262	38798258	Gmdrm	hypo	CHH	-0.0178
Gm11	38799283	38799402	Gmdrm	hypo	CHH	-0.0387
Gm11	38819807	38820787	Gmdrm	hypo	CHH	-0.017
Gm11	38823221	38824211	Gmdrm	hypo	CHH	-0.0696
Gm11	38826366	38827225	Gmdrm	hypo	CHH	-0.196
Gm11	38828725	38829725	Gmdrm	hypo	CHH	-0.0454
Gm11	38829775	38830772	Gmdrm	hypo	CHH	-0.0307
Gm11	38830779	38831778	Gmdrm	hypo	CHH	-0.0558
Gm11	38831780	38832780	Gmdrm	hypo	CHH	-0.0323
Gm11	38832790	38833789	Gmdrm	hypo	CHH	-0.0199
Gm11	38861268	38861535	Gmdrm	hypo	CHH	-0.0391
Gm11	38865418	38866406	Gmdrm	hypo	CHH	-0.0078
Gm11	38867459	38868456	Gmdrm	hypo	CHH	-0.1308
Gm11	38868460	38869453	Gmdrm	hypo	CHH	-0.1175
Gm11	38879108	38880105	Gmdrm	hypo	CHH	-0.016
Gm11	38880119	38881056	Gmdrm	hypo	CHH	-0.0291
Gm11	38888600	38888851	Gmdrm	hypo	CHH	-0.0206
Gm11	38902309	38903306	Gmdrm	hypo	CHH	-0.1355
Gm11	38906097	38907093	Gmdrm	hypo	CHH	-0.0264
Gm11	38907108	38908082	Gmdrm	hypo	CHH	-0.0268
Gm11	38915244	38916240	Gmdrm	hypo	CHH	-0.0149
Gm11	38937169	38938119	Gmdrm	hypo	CHH	-0.0192
Gm11	38941186	38942186	Gmdrm	hypo	CHH	-0.0317
Gm11	38942188	38943187	Gmdrm	hypo	CHH	-0.0517
Gm11	38943190	38944164	Gmdrm	hypo	CHH	-0.0322
Gm11	38944227	38944572	Gmdrm	hypo	CHH	-0.0413
Gm11	38944689	38945684	Gmdrm	hypo	CHH	-0.0174
Gm11	38952889	38953886	Gmdrm	hypo	CHH	-0.0244
Gm11	38964026	38964572	Gmdrm	hypo	CHH	-0.0161
Gm11	38967837	38968494	Gmdrm	hypo	CHH	-0.0219

Gm11	38970924	38971924	Gmdrm	hypo	CHH	-0.0141
Gm11	38971927	38972889	Gmdrm	hypo	CHH	-0.0106
Gm11	38980893	38981890	Gmdrm	hypo	CHH	-0.0221
Gm11	39000654	39001636	Gmdrm	hypo	CHH	-0.0161
Gm11	39001657	39002246	Gmdrm	hypo	CHH	-0.022
Gm11	39008637	39009636	Gmdrm	hypo	CHH	-0.1107
Gm11	39009662	39010605	Gmdrm	hypo	CHH	-0.1465
Gm11	39015985	39016521	Gmdrm	hypo	CHH	-0.0175
Gm11	39026101	39027101	Gmdrm	hypo	CHH	-0.0324
Gm11	39027749	39027926	Gmdrm	hypo	CHH	-0.0265
Gm11	39039774	39040772	Gmdrm	hypo	CHH	-0.1752
Gm11	39040803	39041657	Gmdrm	hypo	CHH	-0.0225
Gm11	39046019	39047011	Gmdrm	hypo	CHH	-0.0432
Gm11	39051462	39052409	Gmdrm	hypo	CHH	-0.023
Gm11	39069211	39070210	Gmdrm	hypo	CHH	-0.0128
Gm11	39076216	39077199	Gmdrm	hypo	CHH	-0.0175
Gm11	39080735	39080902	Gmdrm	hypo	CHH	-0.0762
Gm11	39102928	39103923	Gmdrm	hypo	CHH	-0.015
Gm11	39114949	39115944	Gmdrm	hypo	CHH	-0.0405
Gm11	39115951	39116951	Gmdrm	hypo	CHH	-0.0599
Gm11	39116955	39117946	Gmdrm	hypo	CHH	-0.0452
Gm11	39120177	39121171	Gmdrm	hypo	CHH	-0.0175
Gm11	39122186	39123168	Gmdrm	hypo	CHH	-0.3064
Gm11	39138350	39139121	Gmdrm	hypo	CHH	-0.0288
Gm11	39140228	39141210	Gmdrm	hypo	CHH	-0.011
Gm11	39165332	39166325	Gmdrm	hypo	CHH	-0.171
Gm11	39169377	39170377	Gmdrm	hypo	CHH	-0.0348
Gm11	39170380	39171363	Gmdrm	hypo	CHH	-0.0818
Gm11	39171386	39172374	Gmdrm	hypo	CHH	-0.0605
Gm11	39172387	39173138	Gmdrm	hypo	CHH	-0.072
Gm11	39175590	39176149	Gmdrm	hypo	CHH	-0.02
Gm11	39176260	39177181	Gmdrm	hypo	CHH	-0.0121
Gm11	39178278	39179096	Gmdrm	hypo	CHH	-0.062
Gm11	39183089	39184089	Gmdrm	hypo	CHH	-0.0913
Gm11	39216100	39217099	Gmdrm	hypo	CHH	-0.2532
Gm11	39223424	39224396	Gmdrm	hypo	CHH	-0.038
Gm11	39247058	39248052	Gmdrm	hypo	CHH	-0.0312
Gm11	39249655	39249849	Gmdrm	hypo	CHH	-0.0286
Gm11	39252217	39253209	Gmdrm	hypo	CHH	-0.0146
Gm11	39258959	39259951	Gmdrm	hypo	CHH	-0.1933
Gm11	39276254	39277196	Gmdrm	hypo	CHH	-0.0212
Gm11	39278502	39279496	Gmdrm	hypo	CHH	-0.0502
Gm11	39279505	39280487	Gmdrm	hypo	CHH	-0.1309
Gm11	39286832	39287801	Gmdrm	hypo	CHH	-0.0622
Gm11	39287880	39288879	Gmdrm	hypo	CHH	-0.098
Gm11	39314648	39315645	Gmdrm	hypo	CHH	-0.0222

Gm11	39324907	39325892	Gmdrm	hypo	CHH	-0.0384
Gm11	39325915	39326882	Gmdrm	hypo	CHH	-0.0225
Gm11	39332558	39333519	Gmdrm	hypo	CHH	-0.0286
Gm11	39334582	39335163	Gmdrm	hypo	CHH	-0.0486
Gm11	39340280	39341278	Gmdrm	hypo	CHH	-0.0153
Gm11	39349743	39350725	Gmdrm	hypo	CHH	-0.0277
Gm11	39353743	39354344	Gmdrm	hypo	CHH	-0.0589
Gm11	39364248	39365246	Gmdrm	hypo	CHH	-0.0256
Gm11	39365259	39366256	Gmdrm	hypo	CHH	-0.0423
Gm11	39374189	39375187	Gmdrm	hypo	CHH	-0.0175
Gm11	39379986	39380984	Gmdrm	hypo	CHH	-0.0989
Gm11	39388206	39388371	Gmdrm	hypo	CHH	-0.0238
Gm11	39394117	39395099	Gmdrm	hypo	CHH	-0.02
Gm11	39398834	39399832	Gmdrm	hypo	CHH	-0.0514
Gm11	39407619	39408617	Gmdrm	hypo	CHH	-0.0167
Gm11	39456782	39457228	Gmdrm	hypo	CHH	-0.0315
Gm11	39460298	39461297	Gmdrm	hypo	CHH	-0.0556
Gm11	39463325	39463873	Gmdrm	hypo	CHH	-0.0463
Gm11	39483893	39484867	Gmdrm	hypo	CHH	-0.0129
Gm11	39486955	39487950	Gmdrm	hypo	CHH	-0.1092
Gm11	39500916	39501908	Gmdrm	hypo	CHH	-0.0349
Gm11	39501917	39502916	Gmdrm	hypo	CHH	-0.0649
Gm11	39503996	39504988	Gmdrm	hypo	CHH	-0.051
Gm11	39508587	39509049	Gmdrm	hypo	CHH	-0.0291
Gm11	39514276	39515229	Gmdrm	hypo	CHH	-0.0318
Gm11	39517095	39518093	Gmdrm	hypo	CHH	-0.0339
Gm11	39530996	39531263	Gmdrm	hypo	CHH	-0.0387
Gm11	39547679	39548373	Gmdrm	hypo	CHH	-0.0808
Gm11	39548853	39549665	Gmdrm	hypo	CHH	-0.0629
Gm11	39617721	39617989	Gmdrm	hypo	CHH	-0.0653
Gm11	39627070	39627628	Gmdrm	hypo	CHH	-0.1383
Gm11	39628104	39629088	Gmdrm	hypo	CHH	-0.0395
Gm11_scaffo	1355	2351	Gmdrm	hypo	CHH	-0.0526
Gm11_scaffo	2378	3378	Gmdrm	hypo	CHH	-0.0518
Gm11_scaffo	3381	4371	Gmdrm	hypo	CHH	-0.054
Gm11_scaffo	4385	5378	Gmdrm	hypo	CHH	-0.0948
Gm11_scaffo	5387	5698	Gmdrm	hypo	CHH	-0.1996
Gm11_scaffo	13095	13753	Gmdrm	hypo	CHH	-0.0466
Gm11_scaffo	19573	20567	Gmdrm	hypo	CHH	-0.0659
Gm11_scaffo	20594	21594	Gmdrm	hypo	CHH	-0.0958
Gm11_scaffo	21595	22593	Gmdrm	hypo	CHH	-0.0307
Gm11_scaffo	28660	29637	Gmdrm	hypo	CHH	-0.0679
Gm11_scaffo	29661	30661	Gmdrm	hypo	CHH	-0.026
Gm11_scaffo	30684	31684	Gmdrm	hypo	CHH	-0.0996
Gm11_scaffo	31685	32671	Gmdrm	hypo	CHH	-0.0188
Gm11_scaffo	32694	33683	Gmdrm	hypo	CHH	-0.0249

Gm11_scaffo	33745	34721 Gmdrm	hypo	CHH	-0.0464
Gm11_scaffo	45912	46130 Gmdrm	hypo	CHH	-0.0345
Gm11_scaffo	57862	58858 Gmdrm	hypo	CHH	-0.1345
Gm11_scaffo	61896	62887 Gmdrm	hypo	CHH	-0.0141
Gm11_scaffo	62904	63898 Gmdrm	hypo	CHH	-0.0185
Gm11_scaffo	63906	64874 Gmdrm	hypo	CHH	-0.0815
Gm11_scaffo	1347	2346 Gmdrm	hypo	CHH	-0.0892
Gm11_scaffo	2352	3336 Gmdrm	hypo	CHH	-0.0618
Gm11_scaffo	4775	5766 Gmdrm	hypo	CHH	-0.0588
Gm11_scaffo	5791	6777 Gmdrm	hypo	CHH	-0.0179
Gm11_scaffo	21718	22670 Gmdrm	hypo	CHH	-0.0285
Gm11_scaffo	23676	24665 Gmdrm	hypo	CHH	-0.1047
Gm11_scaffo	24683	25640 Gmdrm	hypo	CHH	-0.0436
Gm12	5733	5761 Gmdrm	hypo	CHH	-0.0767
Gm12	30131	31130 Gmdrm	hypo	CHH	-0.0438
Gm12	31149	32148 Gmdrm	hypo	CHH	-0.0267
Gm12	40779	41011 Gmdrm	hypo	CHH	-0.0255
Gm12	45139	46132 Gmdrm	hypo	CHH	-0.0818
Gm12	46147	47142 Gmdrm	hypo	CHH	-0.0606
Gm12	50997	51997 Gmdrm	hypo	CHH	-0.0925
Gm12	59693	60692 Gmdrm	hypo	CHH	-0.0421
Gm12	60709	61673 Gmdrm	hypo	CHH	-0.014
Gm12	61946	62922 Gmdrm	hypo	CHH	-0.0147
Gm12	75398	76398 Gmdrm	hypo	CHH	-0.0467
Gm12	76401	77399 Gmdrm	hypo	CHH	-0.2472
Gm12	77416	78008 Gmdrm	hypo	CHH	-0.0624
Gm12	87307	87492 Gmdrm	hypo	CHH	-0.0942
Gm12	87605	88587 Gmdrm	hypo	CHH	-0.0225
Gm12	101422	102398 Gmdrm	hypo	CHH	-0.0353
Gm12	102558	102614 Gmdrm	hypo	CHH	-0.0667
Gm12	110730	110873 Gmdrm	hypo	CHH	-0.048
Gm12	137069	138065 Gmdrm	hypo	CHH	-0.0233
Gm12	145438	146428 Gmdrm	hypo	CHH	-0.0141
Gm12	165531	166510 Gmdrm	hypo	CHH	-0.0728
Gm12	166535	167495 Gmdrm	hypo	CHH	-0.0236
Gm12	170290	171277 Gmdrm	hypo	CHH	-0.0154
Gm12	174315	175306 Gmdrm	hypo	CHH	-0.0144
Gm12	176357	177343 Gmdrm	hypo	CHH	-0.0172
Gm12	184796	185048 Gmdrm	hypo	CHH	-0.058
Gm12	205162	206158 Gmdrm	hypo	CHH	-0.0164
Gm12	208265	209263 Gmdrm	hypo	CHH	-0.0364
Gm12	209267	210267 Gmdrm	hypo	CHH	-0.0258
Gm12	220500	221420 Gmdrm	hypo	CHH	-0.025
Gm12	228220	229217 Gmdrm	hypo	CHH	-0.0744
Gm12	234235	235210 Gmdrm	hypo	CHH	-0.1075
Gm12	240508	241380 Gmdrm	hypo	CHH	-0.0199

Gm12	241716	242689	Gmdrm	hypo	CHH	-0.0127
Gm12	251524	252517	Gmdrm	hypo	CHH	-0.103
Gm12	257064	258061	Gmdrm	hypo	CHH	-0.1543
Gm12	258065	259026	Gmdrm	hypo	CHH	-0.1057
Gm12	276113	277106	Gmdrm	hypo	CHH	-0.0507
Gm12	277114	278098	Gmdrm	hypo	CHH	-0.037
Gm12	288145	289141	Gmdrm	hypo	CHH	-0.0611
Gm12	289154	289919	Gmdrm	hypo	CHH	-0.0219
Gm12	303943	304943	Gmdrm	hypo	CHH	-0.024
Gm12	305950	306944	Gmdrm	hypo	CHH	-0.082
Gm12	311745	312703	Gmdrm	hypo	CHH	-0.07
Gm12	319418	320400	Gmdrm	hypo	CHH	-0.2063
Gm12	327235	328170	Gmdrm	hypo	CHH	-0.0144
Gm12	338293	339253	Gmdrm	hypo	CHH	-0.0322
Gm12	341763	342739	Gmdrm	hypo	CHH	-0.0563
Gm12	344677	345663	Gmdrm	hypo	CHH	-0.0115
Gm12	375221	376212	Gmdrm	hypo	CHH	-0.0153
Gm12	404955	405183	Gmdrm	hypo	CHH	-0.0357
Gm12	415234	416234	Gmdrm	hypo	CHH	-0.1505
Gm12	416250	417246	Gmdrm	hypo	CHH	-0.0547
Gm12	417273	418259	Gmdrm	hypo	CHH	-0.0189
Gm12	439790	439992	Gmdrm	hypo	CHH	-0.029
Gm12	441451	442411	Gmdrm	hypo	CHH	-0.0207
Gm12	456224	457222	Gmdrm	hypo	CHH	-0.0134
Gm12	457226	458226	Gmdrm	hypo	CHH	-0.054
Gm12	476454	477452	Gmdrm	hypo	CHH	-0.0568
Gm12	477457	478434	Gmdrm	hypo	CHH	-0.0653
Gm12	483457	484220	Gmdrm	hypo	CHH	-0.0269
Gm12	485033	485650	Gmdrm	hypo	CHH	-0.0654
Gm12	490208	491207	Gmdrm	hypo	CHH	-0.0946
Gm12	491213	491597	Gmdrm	hypo	CHH	-0.4814
Gm12	501081	502065	Gmdrm	hypo	CHH	-0.0182
Gm12	521843	522835	Gmdrm	hypo	CHH	-0.1964
Gm12	525636	525717	Gmdrm	hypo	CHH	-0.036
Gm12	528803	529790	Gmdrm	hypo	CHH	-0.0584
Gm12	541460	542453	Gmdrm	hypo	CHH	-0.0184
Gm12	546886	547883	Gmdrm	hypo	CHH	-0.0557
Gm12	547887	548881	Gmdrm	hypo	CHH	-0.0956
Gm12	567738	568704	Gmdrm	hypo	CHH	-0.0545
Gm12	578000	578979	Gmdrm	hypo	CHH	-0.0099
Gm12	597233	598227	Gmdrm	hypo	CHH	-0.0124
Gm12	609604	610575	Gmdrm	hypo	CHH	-0.0234
Gm12	616675	616898	Gmdrm	hypo	CHH	-0.03
Gm12	622445	623193	Gmdrm	hypo	CHH	-0.0481
Gm12	630172	631171	Gmdrm	hypo	CHH	-0.0361
Gm12	646514	647513	Gmdrm	hypo	CHH	-0.0105

Gm12	654327	655319 Gmdrm	hypo	CHH	-0.0293
Gm12	661012	662012 Gmdrm	hypo	CHH	-0.0151
Gm12	672968	673953 Gmdrm	hypo	CHH	-0.047
Gm12	673969	674965 Gmdrm	hypo	CHH	-0.0964
Gm12	678012	678416 Gmdrm	hypo	CHH	-0.2603
Gm12	679577	680568 Gmdrm	hypo	CHH	-0.0577
Gm12	689996	690815 Gmdrm	hypo	CHH	-0.0143
Gm12	707481	708481 Gmdrm	hypo	CHH	-0.0414
Gm12	710335	710904 Gmdrm	hypo	CHH	-0.0352
Gm12	712622	713620 Gmdrm	hypo	CHH	-0.0124
Gm12	720706	721705 Gmdrm	hypo	CHH	-0.0136
Gm12	727026	727125 Gmdrm	hypo	CHH	-0.0367
Gm12	754068	754895 Gmdrm	hypo	CHH	-0.0349
Gm12	755011	755991 Gmdrm	hypo	CHH	-0.1402
Gm12	756022	757020 Gmdrm	hypo	CHH	-0.0166
Gm12	760193	761193 Gmdrm	hypo	CHH	-0.116
Gm12	761205	762204 Gmdrm	hypo	CHH	-0.0193
Gm12	762209	763206 Gmdrm	hypo	CHH	-0.1524
Gm12	766252	766901 Gmdrm	hypo	CHH	-0.0321
Gm12	780907	781886 Gmdrm	hypo	CHH	-0.0117
Gm12	794372	795002 Gmdrm	hypo	CHH	-0.025
Gm12	797549	798525 Gmdrm	hypo	CHH	-0.3585
Gm12	806965	807961 Gmdrm	hypo	CHH	-0.0138
Gm12	833401	834397 Gmdrm	hypo	CHH	-0.0546
Gm12	834407	835400 Gmdrm	hypo	CHH	-0.0759
Gm12	837078	838072 Gmdrm	hypo	CHH	-0.0172
Gm12	843216	844093 Gmdrm	hypo	CHH	-0.0196
Gm12	869574	870536 Gmdrm	hypo	CHH	-0.0175
Gm12	887330	888329 Gmdrm	hypo	CHH	-0.0628
Gm12	889371	890370 Gmdrm	hypo	CHH	-0.061
Gm12	894056	895027 Gmdrm	hypo	CHH	-0.0235
Gm12	908778	909760 Gmdrm	hypo	CHH	-0.0135
Gm12	920554	921553 Gmdrm	hypo	CHH	-0.0267
Gm12	921555	922534 Gmdrm	hypo	CHH	-0.0815
Gm12	930683	931164 Gmdrm	hypo	CHH	-0.0203
Gm12	940079	941032 Gmdrm	hypo	CHH	-0.0248
Gm12	947275	947336 Gmdrm	hypo	CHH	-0.128
Gm12	948839	949791 Gmdrm	hypo	CHH	-0.0192
Gm12	973995	974981 Gmdrm	hypo	CHH	-0.0212
Gm12	983876	984871 Gmdrm	hypo	CHH	-0.0318
Gm12	985183	986183 Gmdrm	hypo	CHH	-0.0573
Gm12	997359	998346 Gmdrm	hypo	CHH	-0.011
Gm12	999372	1000372 Gmdrm	hypo	CHH	-0.0167
Gm12	1018625	1019620 Gmdrm	hypo	CHH	-0.039
Gm12	1019634	1020597 Gmdrm	hypo	CHH	-0.0145
Gm12	1028698	1029695 Gmdrm	hypo	CHH	-0.0182

Gm12	1031779	1032772 Gmdrm	hypo	CHH	-0.0201
Gm12	1047370	1048317 Gmdrm	hypo	CHH	-0.0198
Gm12	1050750	1051719 Gmdrm	hypo	CHH	-0.0192
Gm12	1055969	1056377 Gmdrm	hypo	CHH	-0.0206
Gm12	1057530	1058500 Gmdrm	hypo	CHH	-0.014
Gm12	1058560	1059315 Gmdrm	hypo	CHH	-0.1365
Gm12	1069648	1070627 Gmdrm	hypo	CHH	-0.0137
Gm12	1091916	1092915 Gmdrm	hypo	CHH	-0.0936
Gm12	1099374	1100374 Gmdrm	hypo	CHH	-0.1865
Gm12	1110510	1111503 Gmdrm	hypo	CHH	-0.0183
Gm12	1114846	1115834 Gmdrm	hypo	CHH	-0.027
Gm12	1129599	1130597 Gmdrm	hypo	CHH	-0.0385
Gm12	1130603	1131599 Gmdrm	hypo	CHH	-0.0151
Gm12	1144031	1144828 Gmdrm	hypo	CHH	-0.0127
Gm12	1146002	1146979 Gmdrm	hypo	CHH	-0.0107
Gm12	1149370	1150157 Gmdrm	hypo	CHH	-0.0187
Gm12	1154530	1155312 Gmdrm	hypo	CHH	-0.0174
Gm12	1168685	1169678 Gmdrm	hypo	CHH	-0.0109
Gm12	1171853	1172062 Gmdrm	hypo	CHH	-0.0299
Gm12	1176392	1177392 Gmdrm	hypo	CHH	-0.1684
Gm12	1177408	1178404 Gmdrm	hypo	CHH	-0.1577
Gm12	1178413	1179056 Gmdrm	hypo	CHH	-0.3684
Gm12	1183089	1184073 Gmdrm	hypo	CHH	-0.0201
Gm12	1190173	1191173 Gmdrm	hypo	CHH	-0.0276
Gm12	1202313	1203307 Gmdrm	hypo	CHH	-0.2162
Gm12	1203316	1204274 Gmdrm	hypo	CHH	-0.0255
Gm12	1229197	1229717 Gmdrm	hypo	CHH	-0.0215
Gm12	1234203	1235065 Gmdrm	hypo	CHH	-0.1022
Gm12	1252340	1253334 Gmdrm	hypo	CHH	-0.1013
Gm12	1263613	1264600 Gmdrm	hypo	CHH	-0.231
Gm12	1276290	1277287 Gmdrm	hypo	CHH	-0.1518
Gm12	1277294	1278288 Gmdrm	hypo	CHH	-0.0285
Gm12	1278301	1279290 Gmdrm	hypo	CHH	-0.0436
Gm12	1281068	1282059 Gmdrm	hypo	CHH	-0.0278
Gm12	1285339	1286062 Gmdrm	hypo	CHH	-0.0135
Gm12	1292019	1292986 Gmdrm	hypo	CHH	-0.0172
Gm12	1295334	1296326 Gmdrm	hypo	CHH	-0.017
Gm12	1306183	1306508 Gmdrm	hypo	CHH	-0.1042
Gm12	1320486	1320749 Gmdrm	hypo	CHH	-0.0393
Gm12	1324033	1325027 Gmdrm	hypo	CHH	-0.0211
Gm12	1329013	1329994 Gmdrm	hypo	CHH	-0.0204
Gm12	1335323	1336318 Gmdrm	hypo	CHH	-0.053
Gm12	1336329	1337324 Gmdrm	hypo	CHH	-0.1051
Gm12	1365327	1366326 Gmdrm	hypo	CHH	-0.0115
Gm12	1381152	1382126 Gmdrm	hypo	CHH	-0.0136
Gm12	1390164	1390936 Gmdrm	hypo	CHH	-0.1064

Gm12	1406072	1407025 Gmdrm	hypo	CHH	-0.0134
Gm12	1414519	1415425 Gmdrm	hypo	CHH	-0.0211
Gm12	1416530	1417526 Gmdrm	hypo	CHH	-0.0113
Gm12	1419565	1420565 Gmdrm	hypo	CHH	-0.0114
Gm12	1427968	1428918 Gmdrm	hypo	CHH	-0.0198
Gm12	1428993	1429956 Gmdrm	hypo	CHH	-0.0125
Gm12	1431038	1431148 Gmdrm	hypo	CHH	-0.0433
Gm12	1432710	1433684 Gmdrm	hypo	CHH	-0.0214
Gm12	1441296	1442293 Gmdrm	hypo	CHH	-0.0169
Gm12	1456120	1457119 Gmdrm	hypo	CHH	-0.0184
Gm12	1459528	1460527 Gmdrm	hypo	CHH	-0.0336
Gm12	1483911	1484889 Gmdrm	hypo	CHH	-0.0208
Gm12	1484928	1485895 Gmdrm	hypo	CHH	-0.0977
Gm12	1487983	1488756 Gmdrm	hypo	CHH	-0.0223
Gm12	1499902	1500896 Gmdrm	hypo	CHH	-0.0445
Gm12	1501056	1502056 Gmdrm	hypo	CHH	-0.023
Gm12	1517769	1518748 Gmdrm	hypo	CHH	-0.0208
Gm12	1524614	1525596 Gmdrm	hypo	CHH	-0.03
Gm12	1526634	1527603 Gmdrm	hypo	CHH	-0.1204
Gm12	1527652	1528612 Gmdrm	hypo	CHH	-0.061
Gm12	1538192	1539159 Gmdrm	hypo	CHH	-0.0348
Gm12	1542098	1542777 Gmdrm	hypo	CHH	-0.0232
Gm12	1546504	1547500 Gmdrm	hypo	CHH	-0.0727
Gm12	1547506	1548460 Gmdrm	hypo	CHH	-0.0515
Gm12	1563074	1564050 Gmdrm	hypo	CHH	-0.022
Gm12	1568287	1569282 Gmdrm	hypo	CHH	-0.057
Gm12	1576611	1577122 Gmdrm	hypo	CHH	-0.0218
Gm12	1582658	1583644 Gmdrm	hypo	CHH	-0.0353
Gm12	1583672	1584640 Gmdrm	hypo	CHH	-0.0319
Gm12	1584678	1585678 Gmdrm	hypo	CHH	-0.0306
Gm12	1586933	1587911 Gmdrm	hypo	CHH	-0.0258
Gm12	1587955	1588900 Gmdrm	hypo	CHH	-0.0158
Gm12	1594192	1595159 Gmdrm	hypo	CHH	-0.0203
Gm12	1598660	1599654 Gmdrm	hypo	CHH	-0.092
Gm12	1620972	1621963 Gmdrm	hypo	CHH	-0.0222
Gm12	1623018	1623990 Gmdrm	hypo	CHH	-0.0182
Gm12	1627227	1628210 Gmdrm	hypo	CHH	-0.3388
Gm12	1628230	1629228 Gmdrm	hypo	CHH	-0.0612
Gm12	1643583	1644582 Gmdrm	hypo	CHH	-0.0378
Gm12	1644609	1645585 Gmdrm	hypo	CHH	-0.0677
Gm12	1661733	1662724 Gmdrm	hypo	CHH	-0.1805
Gm12	1662738	1663730 Gmdrm	hypo	CHH	-0.2286
Gm12	1667375	1668354 Gmdrm	hypo	CHH	-0.0594
Gm12	1688498	1689498 Gmdrm	hypo	CHH	-0.0206
Gm12	1689905	1690273 Gmdrm	hypo	CHH	-0.029
Gm12	1701199	1702193 Gmdrm	hypo	CHH	-0.0128

Gm12	1702203	1702991 Gmdrm	hypo	CHH	-0.0244
Gm12	1715142	1715521 Gmdrm	hypo	CHH	-0.0441
Gm12	1716713	1717710 Gmdrm	hypo	CHH	-0.0224
Gm12	1718548	1719539 Gmdrm	hypo	CHH	-0.1461
Gm12	1719581	1720569 Gmdrm	hypo	CHH	-0.0091
Gm12	1735865	1736865 Gmdrm	hypo	CHH	-0.0368
Gm12	1743924	1744920 Gmdrm	hypo	CHH	-0.0409
Gm12	1748627	1749620 Gmdrm	hypo	CHH	-0.0262
Gm12	1749628	1750208 Gmdrm	hypo	CHH	-0.0313
Gm12	1751326	1752319 Gmdrm	hypo	CHH	-0.0676
Gm12	1752328	1753326 Gmdrm	hypo	CHH	-0.0514
Gm12	1753334	1754332 Gmdrm	hypo	CHH	-0.0384
Gm12	1759996	1760991 Gmdrm	hypo	CHH	-0.072
Gm12	1764631	1765616 Gmdrm	hypo	CHH	-0.0223
Gm12	1768703	1769692 Gmdrm	hypo	CHH	-0.0196
Gm12	1790125	1791117 Gmdrm	hypo	CHH	-0.026
Gm12	1797928	1798915 Gmdrm	hypo	CHH	-0.049
Gm12	1803981	1804975 Gmdrm	hypo	CHH	-0.028
Gm12	1813036	1813695 Gmdrm	hypo	CHH	-0.027
Gm12	1822062	1823062 Gmdrm	hypo	CHH	-0.069
Gm12	1823064	1824063 Gmdrm	hypo	CHH	-0.0425
Gm12	1824065	1825014 Gmdrm	hypo	CHH	-0.1584
Gm12	1828670	1829266 Gmdrm	hypo	CHH	-0.0788
Gm12	1829503	1830467 Gmdrm	hypo	CHH	-0.0989
Gm12	1831625	1832621 Gmdrm	hypo	CHH	-0.0147
Gm12	1854991	1855972 Gmdrm	hypo	CHH	-0.0968
Gm12	1855992	1856988 Gmdrm	hypo	CHH	-0.1256
Gm12	1863010	1864008 Gmdrm	hypo	CHH	-0.0253
Gm12	1864020	1864992 Gmdrm	hypo	CHH	-0.0953
Gm12	1885229	1885354 Gmdrm	hypo	CHH	-0.02
Gm12	1894504	1894681 Gmdrm	hypo	CHH	-0.0635
Gm12	1902753	1903726 Gmdrm	hypo	CHH	-0.0163
Gm12	1904779	1905286 Gmdrm	hypo	CHH	-0.0938
Gm12	1905464	1906462 Gmdrm	hypo	CHH	-0.0574
Gm12	1921795	1922790 Gmdrm	hypo	CHH	-0.0138
Gm12	1927516	1927970 Gmdrm	hypo	CHH	-0.0212
Gm12	1928075	1929070 Gmdrm	hypo	CHH	-0.0118
Gm12	1930769	1931768 Gmdrm	hypo	CHH	-0.0146
Gm12	1936066	1937063 Gmdrm	hypo	CHH	-0.0445
Gm12	1943120	1944118 Gmdrm	hypo	CHH	-0.0346
Gm12	1944128	1945127 Gmdrm	hypo	CHH	-0.0284
Gm12	1952539	1953154 Gmdrm	hypo	CHH	-0.1863
Gm12	1954552	1955543 Gmdrm	hypo	CHH	-0.0152
Gm12	1966922	1967778 Gmdrm	hypo	CHH	-0.1202
Gm12	1967997	1968974 Gmdrm	hypo	CHH	-0.0605
Gm12	1972904	1973903 Gmdrm	hypo	CHH	-0.0312

Gm12	1973914	1974152	Gmdrm	hypo	CHH	-0.0506
Gm12	1978269	1979239	Gmdrm	hypo	CHH	-0.1316
Gm12	1979271	1980208	Gmdrm	hypo	CHH	-0.0184
Gm12	2002093	2003077	Gmdrm	hypo	CHH	-0.0404
Gm12	2066327	2067325	Gmdrm	hypo	CHH	-0.1713
Gm12	2067332	2068329	Gmdrm	hypo	CHH	-0.1
Gm12	2068338	2069328	Gmdrm	hypo	CHH	-0.1008
Gm12	2069354	2069810	Gmdrm	hypo	CHH	-0.2345
Gm12	2101597	2102573	Gmdrm	hypo	CHH	-0.1938
Gm12	2103602	2104584	Gmdrm	hypo	CHH	-0.3323
Gm12	2108249	2109229	Gmdrm	hypo	CHH	-0.0172
Gm12	2109292	2110280	Gmdrm	hypo	CHH	-0.3363
Gm12	2112300	2113293	Gmdrm	hypo	CHH	-0.0365
Gm12	2113302	2114290	Gmdrm	hypo	CHH	-0.0905
Gm12	2122717	2123716	Gmdrm	hypo	CHH	-0.1205
Gm12	2134594	2135586	Gmdrm	hypo	CHH	-0.0527
Gm12	2135608	2136583	Gmdrm	hypo	CHH	-0.0215
Gm12	2140135	2141128	Gmdrm	hypo	CHH	-0.016
Gm12	2141151	2142146	Gmdrm	hypo	CHH	-0.044
Gm12	2145203	2146135	Gmdrm	hypo	CHH	-0.0261
Gm12	2160417	2161393	Gmdrm	hypo	CHH	-0.0167
Gm12	2168378	2169378	Gmdrm	hypo	CHH	-0.032
Gm12	2180107	2181097	Gmdrm	hypo	CHH	-0.0495
Gm12	2182121	2183095	Gmdrm	hypo	CHH	-0.0539
Gm12	2186166	2187147	Gmdrm	hypo	CHH	-0.0243
Gm12	2203024	2203479	Gmdrm	hypo	CHH	-0.0405
Gm12	2221297	2222293	Gmdrm	hypo	CHH	-0.2452
Gm12	2225355	2226338	Gmdrm	hypo	CHH	-0.0157
Gm12	2227377	2228377	Gmdrm	hypo	CHH	-0.1199
Gm12	2228381	2229378	Gmdrm	hypo	CHH	-0.0393
Gm12	2240344	2240841	Gmdrm	hypo	CHH	-0.0411
Gm12	2247544	2248516	Gmdrm	hypo	CHH	-0.0141
Gm12	2252052	2253000	Gmdrm	hypo	CHH	-0.0199
Gm12	2253067	2254055	Gmdrm	hypo	CHH	-0.0251
Gm12	2256093	2257090	Gmdrm	hypo	CHH	-0.0958
Gm12	2258737	2259729	Gmdrm	hypo	CHH	-0.2063
Gm12	2265664	2265810	Gmdrm	hypo	CHH	-0.053
Gm12	2272173	2273138	Gmdrm	hypo	CHH	-0.0165
Gm12	2275204	2276202	Gmdrm	hypo	CHH	-0.0864
Gm12	2276206	2277170	Gmdrm	hypo	CHH	-0.1797
Gm12	2278298	2279272	Gmdrm	hypo	CHH	-0.021
Gm12	2287543	2287821	Gmdrm	hypo	CHH	-0.0898
Gm12	2294890	2295055	Gmdrm	hypo	CHH	-0.0323
Gm12	2298888	2299885	Gmdrm	hypo	CHH	-0.043
Gm12	2299889	2300877	Gmdrm	hypo	CHH	-0.056
Gm12	2300892	2301868	Gmdrm	hypo	CHH	-0.0341

Gm12	2310999	2311570 Gmdrm	hypo	CHH	-0.036
Gm12	2314235	2315212 Gmdrm	hypo	CHH	-0.0151
Gm12	2316665	2317658 Gmdrm	hypo	CHH	-0.016
Gm12	2326230	2327219 Gmdrm	hypo	CHH	-0.0198
Gm12	2328794	2329770 Gmdrm	hypo	CHH	-0.0713
Gm12	2334942	2335016 Gmdrm	hypo	CHH	-0.052
Gm12	2341271	2342264 Gmdrm	hypo	CHH	-0.0394
Gm12	2344454	2345433 Gmdrm	hypo	CHH	-0.1424
Gm12	2354565	2355562 Gmdrm	hypo	CHH	-0.2689
Gm12	2376003	2376813 Gmdrm	hypo	CHH	-0.0368
Gm12	2385915	2386906 Gmdrm	hypo	CHH	-0.0187
Gm12	2387945	2388919 Gmdrm	hypo	CHH	-0.2078
Gm12	2398430	2399414 Gmdrm	hypo	CHH	-0.509
Gm12	2399443	2400442 Gmdrm	hypo	CHH	-0.0249
Gm12	2406867	2407861 Gmdrm	hypo	CHH	-0.0186
Gm12	2408894	2409874 Gmdrm	hypo	CHH	-0.0229
Gm12	2409895	2410860 Gmdrm	hypo	CHH	-0.0283
Gm12	2419807	2419923 Gmdrm	hypo	CHH	-0.058
Gm12	2433986	2434986 Gmdrm	hypo	CHH	-0.0471
Gm12	2434988	2435987 Gmdrm	hypo	CHH	-0.0846
Gm12	2435990	2436788 Gmdrm	hypo	CHH	-0.1265
Gm12	2446039	2446967 Gmdrm	hypo	CHH	-0.0226
Gm12	2458294	2459289 Gmdrm	hypo	CHH	-0.0196
Gm12	2461415	2462412 Gmdrm	hypo	CHH	-0.0633
Gm12	2462418	2463418 Gmdrm	hypo	CHH	-0.0928
Gm12	2465189	2466187 Gmdrm	hypo	CHH	-0.0144
Gm12	2478890	2479876 Gmdrm	hypo	CHH	-0.0095
Gm12	2485375	2486364 Gmdrm	hypo	CHH	-0.0151
Gm12	2503312	2504248 Gmdrm	hypo	CHH	-0.0494
Gm12	2511748	2512742 Gmdrm	hypo	CHH	-0.0309
Gm12	2513783	2514777 Gmdrm	hypo	CHH	-0.2337
Gm12	2514792	2515301 Gmdrm	hypo	CHH	-0.0705
Gm12	2519551	2520547 Gmdrm	hypo	CHH	-0.0186
Gm12	2525637	2526626 Gmdrm	hypo	CHH	-0.0579
Gm12	2542075	2543070 Gmdrm	hypo	CHH	-0.0228
Gm12	2545263	2546263 Gmdrm	hypo	CHH	-0.0759
Gm12	2547302	2548298 Gmdrm	hypo	CHH	-0.0147
Gm12	2549340	2550319 Gmdrm	hypo	CHH	-0.0172
Gm12	2558539	2559534 Gmdrm	hypo	CHH	-0.066
Gm12	2559553	2560516 Gmdrm	hypo	CHH	-0.0998
Gm12	2574220	2575196 Gmdrm	hypo	CHH	-0.0712
Gm12	2593862	2594857 Gmdrm	hypo	CHH	-0.0148
Gm12	2594894	2595836 Gmdrm	hypo	CHH	-0.0244
Gm12	2596922	2597893 Gmdrm	hypo	CHH	-0.0293
Gm12	2604388	2604403 Gmdrm	hypo	CHH	-0.062
Gm12	2612782	2613737 Gmdrm	hypo	CHH	-0.0118

Gm12	2618264	2619264	Gmdrm	hypo	CHH	-0.0413
Gm12	2619278	2620276	Gmdrm	hypo	CHH	-0.0514
Gm12	2620289	2621288	Gmdrm	hypo	CHH	-0.0908
Gm12	2623009	2623429	Gmdrm	hypo	CHH	-0.0687
Gm12	2641876	2642861	Gmdrm	hypo	CHH	-0.1412
Gm12	2645464	2645828	Gmdrm	hypo	CHH	-0.0939
Gm12	2662695	2663693	Gmdrm	hypo	CHH	-0.0312
Gm12	2675436	2676428	Gmdrm	hypo	CHH	-0.022
Gm12	2684219	2685214	Gmdrm	hypo	CHH	-0.0477
Gm12	2685220	2686200	Gmdrm	hypo	CHH	-0.0223
Gm12	2693279	2694279	Gmdrm	hypo	CHH	-0.0606
Gm12	2697288	2698283	Gmdrm	hypo	CHH	-0.0162
Gm12	2699306	2700179	Gmdrm	hypo	CHH	-0.2088
Gm12	2700318	2701316	Gmdrm	hypo	CHH	-0.0304
Gm12	2717289	2718275	Gmdrm	hypo	CHH	-0.0243
Gm12	2725642	2726592	Gmdrm	hypo	CHH	-0.0166
Gm12	2727759	2728759	Gmdrm	hypo	CHH	-0.0426
Gm12	2728760	2729760	Gmdrm	hypo	CHH	-0.0721
Gm12	2737235	2738234	Gmdrm	hypo	CHH	-0.0511
Gm12	2738241	2739232	Gmdrm	hypo	CHH	-0.0627
Gm12	2753602	2754591	Gmdrm	hypo	CHH	-0.0291
Gm12	2754603	2755600	Gmdrm	hypo	CHH	-0.0451
Gm12	2765734	2766728	Gmdrm	hypo	CHH	-0.0112
Gm12	2772461	2772901	Gmdrm	hypo	CHH	-0.0706
Gm12	2810353	2811029	Gmdrm	hypo	CHH	-0.0304
Gm12	2828918	2829904	Gmdrm	hypo	CHH	-0.0665
Gm12	2829929	2830229	Gmdrm	hypo	CHH	-0.0711
Gm12	2842442	2843406	Gmdrm	hypo	CHH	-0.0141
Gm12	2862493	2862901	Gmdrm	hypo	CHH	-0.025
Gm12	2872523	2873520	Gmdrm	hypo	CHH	-0.0159
Gm12	2884319	2885289	Gmdrm	hypo	CHH	-0.0175
Gm12	2885324	2886321	Gmdrm	hypo	CHH	-0.0423
Gm12	2886337	2887302	Gmdrm	hypo	CHH	-0.0154
Gm12	2892480	2893480	Gmdrm	hypo	CHH	-0.0225
Gm12	2904487	2905447	Gmdrm	hypo	CHH	-0.0545
Gm12	2916795	2917794	Gmdrm	hypo	CHH	-0.0243
Gm12	2926576	2927169	Gmdrm	hypo	CHH	-0.0325
Gm12	2927525	2928517	Gmdrm	hypo	CHH	-0.0137
Gm12	2936283	2937184	Gmdrm	hypo	CHH	-0.1037
Gm12	2937287	2938282	Gmdrm	hypo	CHH	-0.0913
Gm12	2942374	2943361	Gmdrm	hypo	CHH	-0.0195
Gm12	2945382	2945971	Gmdrm	hypo	CHH	-0.1545
Gm12	2946093	2946244	Gmdrm	hypo	CHH	-0.0364
Gm12	2947409	2948408	Gmdrm	hypo	CHH	-0.0535
Gm12	2954441	2954778	Gmdrm	hypo	CHH	-0.0237
Gm12	2960383	2961358	Gmdrm	hypo	CHH	-0.0319

Gm12	2967790	2968765 Gmdrm	hypo	CHH	-0.2186
Gm12	2969870	2970869 Gmdrm	hypo	CHH	-0.0492
Gm12	2970896	2971889 Gmdrm	hypo	CHH	-0.036
Gm12	2972907	2973904 Gmdrm	hypo	CHH	-0.0479
Gm12	2981409	2982406 Gmdrm	hypo	CHH	-0.0653
Gm12	2982425	2983399 Gmdrm	hypo	CHH	-0.1421
Gm12	2985585	2986573 Gmdrm	hypo	CHH	-0.2133
Gm12	2986591	2987591 Gmdrm	hypo	CHH	-0.1193
Gm12	2987622	2988607 Gmdrm	hypo	CHH	-0.0202
Gm12	3014342	3015333 Gmdrm	hypo	CHH	-0.0151
Gm12	3020899	3021889 Gmdrm	hypo	CHH	-0.0242
Gm12	3033994	3034101 Gmdrm	hypo	CHH	-0.116
Gm12	3037180	3037407 Gmdrm	hypo	CHH	-0.0914
Gm12	3043411	3044406 Gmdrm	hypo	CHH	-0.0861
Gm12	3044536	3045534 Gmdrm	hypo	CHH	-0.0194
Gm12	3045545	3046543 Gmdrm	hypo	CHH	-0.018
Gm12	3050692	3051682 Gmdrm	hypo	CHH	-0.0133
Gm12	3059062	3060062 Gmdrm	hypo	CHH	-0.0654
Gm12	3063575	3064575 Gmdrm	hypo	CHH	-0.2042
Gm12	3064578	3065537 Gmdrm	hypo	CHH	-0.0478
Gm12	3070801	3071794 Gmdrm	hypo	CHH	-0.0103
Gm12	3074217	3075171 Gmdrm	hypo	CHH	-0.0223
Gm12	3075252	3076250 Gmdrm	hypo	CHH	-0.2166
Gm12	3086228	3087203 Gmdrm	hypo	CHH	-0.1248
Gm12	3105812	3106812 Gmdrm	hypo	CHH	-0.301
Gm12	3111429	3112419 Gmdrm	hypo	CHH	-0.0164
Gm12	3112926	3113343 Gmdrm	hypo	CHH	-0.0523
Gm12	3130172	3131148 Gmdrm	hypo	CHH	-0.021
Gm12	3138631	3139627 Gmdrm	hypo	CHH	-0.0313
Gm12	3139635	3140256 Gmdrm	hypo	CHH	-0.0557
Gm12	3140445	3141431 Gmdrm	hypo	CHH	-0.0193
Gm12	3141461	3142452 Gmdrm	hypo	CHH	-0.0602
Gm12	3148939	3149925 Gmdrm	hypo	CHH	-0.0186
Gm12	3153572	3154559 Gmdrm	hypo	CHH	-0.0293
Gm12	3158436	3159432 Gmdrm	hypo	CHH	-0.0478
Gm12	3199200	3200174 Gmdrm	hypo	CHH	-0.0252
Gm12	3203311	3204311 Gmdrm	hypo	CHH	-0.0329
Gm12	3204317	3205261 Gmdrm	hypo	CHH	-0.0869
Gm12	3206377	3206736 Gmdrm	hypo	CHH	-0.04
Gm12	3225083	3226082 Gmdrm	hypo	CHH	-0.0246
Gm12	3234119	3234315 Gmdrm	hypo	CHH	-0.0817
Gm12	3241806	3242787 Gmdrm	hypo	CHH	-0.0262
Gm12	3243103	3244103 Gmdrm	hypo	CHH	-0.2064
Gm12	3244106	3244780 Gmdrm	hypo	CHH	-0.0803
Gm12	3244888	3245880 Gmdrm	hypo	CHH	-0.0106
Gm12	3245890	3246869 Gmdrm	hypo	CHH	-0.1501

Gm12	3248930	3249928 Gmdrm	hypo	CHH	-0.0529
Gm12	3254602	3255595 Gmdrm	hypo	CHH	-0.0105
Gm12	3269763	3270488 Gmdrm	hypo	CHH	-0.0818
Gm12	3270782	3271736 Gmdrm	hypo	CHH	-0.0971
Gm12	3272458	3273449 Gmdrm	hypo	CHH	-0.1108
Gm12	3273459	3274456 Gmdrm	hypo	CHH	-0.0318
Gm12	3274463	3275437 Gmdrm	hypo	CHH	-0.0701
Gm12	3276383	3277379 Gmdrm	hypo	CHH	-0.0339
Gm12	3277788	3278783 Gmdrm	hypo	CHH	-0.0206
Gm12	3285351	3286340 Gmdrm	hypo	CHH	-0.0451
Gm12	3286360	3287352 Gmdrm	hypo	CHH	-0.0473
Gm12	3298425	3299405 Gmdrm	hypo	CHH	-0.0274
Gm12	3304431	3305411 Gmdrm	hypo	CHH	-0.0264
Gm12	3305489	3306479 Gmdrm	hypo	CHH	-0.0361
Gm12	3307498	3308441 Gmdrm	hypo	CHH	-0.0547
Gm12	3338508	3339507 Gmdrm	hypo	CHH	-0.0139
Gm12	3339557	3340550 Gmdrm	hypo	CHH	-0.0172
Gm12	3345070	3346067 Gmdrm	hypo	CHH	-0.0231
Gm12	3356159	3357151 Gmdrm	hypo	CHH	-0.0647
Gm12	3359973	3360908 Gmdrm	hypo	CHH	-0.0931
Gm12	3360979	3361966 Gmdrm	hypo	CHH	-0.0404
Gm12	3362000	3362985 Gmdrm	hypo	CHH	-0.0316
Gm12	3363010	3364008 Gmdrm	hypo	CHH	-0.0897
Gm12	3375768	3376761 Gmdrm	hypo	CHH	-0.0109
Gm12	3384687	3385682 Gmdrm	hypo	CHH	-0.1264
Gm12	3385688	3386687 Gmdrm	hypo	CHH	-0.05
Gm12	3386690	3386941 Gmdrm	hypo	CHH	-0.2232
Gm12	3400746	3401745 Gmdrm	hypo	CHH	-0.0156
Gm12	3413162	3414145 Gmdrm	hypo	CHH	-0.265
Gm12	3415177	3416171 Gmdrm	hypo	CHH	-0.1233
Gm12	3416190	3417184 Gmdrm	hypo	CHH	-0.1788
Gm12	3417229	3418227 Gmdrm	hypo	CHH	-0.0284
Gm12	3420248	3421237 Gmdrm	hypo	CHH	-0.0234
Gm12	3430426	3431426 Gmdrm	hypo	CHH	-0.0153
Gm12	3435986	3436952 Gmdrm	hypo	CHH	-0.0154
Gm12	3437900	3438882 Gmdrm	hypo	CHH	-0.022
Gm12	3438920	3439918 Gmdrm	hypo	CHH	-0.0097
Gm12	3440555	3441551 Gmdrm	hypo	CHH	-0.1001
Gm12	3443076	3444071 Gmdrm	hypo	CHH	-0.0322
Gm12	3449259	3450011 Gmdrm	hypo	CHH	-0.0196
Gm12	3454429	3455427 Gmdrm	hypo	CHH	-0.1181
Gm12	3455436	3456429 Gmdrm	hypo	CHH	-0.1159
Gm12	3456440	3457432 Gmdrm	hypo	CHH	-0.0577
Gm12	3465869	3466850 Gmdrm	hypo	CHH	-0.0122
Gm12	3469298	3470133 Gmdrm	hypo	CHH	-0.352
Gm12	3471321	3472311 Gmdrm	hypo	CHH	-0.0798

Gm12	3472326	3473323 Gmdrm	hypo	CHH	-0.1226
Gm12	3484992	3485981 Gmdrm	hypo	CHH	-0.025
Gm12	3508276	3509219 Gmdrm	hypo	CHH	-0.0506
Gm12	3511636	3512612 Gmdrm	hypo	CHH	-0.1077
Gm12	3521560	3522451 Gmdrm	hypo	CHH	-0.0192
Gm12	3530362	3531344 Gmdrm	hypo	CHH	-0.0159
Gm12	3532671	3533669 Gmdrm	hypo	CHH	-0.0694
Gm12	3543497	3543912 Gmdrm	hypo	CHH	-0.0344
Gm12	3544046	3545045 Gmdrm	hypo	CHH	-0.0249
Gm12	3545049	3546040 Gmdrm	hypo	CHH	-0.1094
Gm12	3546057	3547055 Gmdrm	hypo	CHH	-0.0297
Gm12	3547059	3548057 Gmdrm	hypo	CHH	-0.0593
Gm12	3548061	3549061 Gmdrm	hypo	CHH	-0.1118
Gm12	3549072	3550069 Gmdrm	hypo	CHH	-0.1388
Gm12	3566061	3567059 Gmdrm	hypo	CHH	-0.0792
Gm12	3567063	3567476 Gmdrm	hypo	CHH	-0.2412
Gm12	3578988	3579930 Gmdrm	hypo	CHH	-0.0159
Gm12	3581018	3581999 Gmdrm	hypo	CHH	-0.0209
Gm12	3582653	3583626 Gmdrm	hypo	CHH	-0.1113
Gm12	3612346	3612619 Gmdrm	hypo	CHH	-0.0278
Gm12	3616290	3617290 Gmdrm	hypo	CHH	-0.1036
Gm12	3617399	3618399 Gmdrm	hypo	CHH	-0.1696
Gm12	3618402	3619394 Gmdrm	hypo	CHH	-0.3213
Gm12	3635410	3636408 Gmdrm	hypo	CHH	-0.0545
Gm12	3636417	3637410 Gmdrm	hypo	CHH	-0.0681
Gm12	3637419	3638250 Gmdrm	hypo	CHH	-0.0205
Gm12	3648292	3649270 Gmdrm	hypo	CHH	-0.1487
Gm12	3649295	3650250 Gmdrm	hypo	CHH	-0.1595
Gm12	3665911	3666901 Gmdrm	hypo	CHH	-0.032
Gm12	3667589	3668237 Gmdrm	hypo	CHH	-0.0279
Gm12	3669354	3670343 Gmdrm	hypo	CHH	-0.0223
Gm12	3672975	3673974 Gmdrm	hypo	CHH	-0.0215
Gm12	3676110	3677090 Gmdrm	hypo	CHH	-0.0576
Gm12	3692812	3693804 Gmdrm	hypo	CHH	-0.0259
Gm12	3695457	3696322 Gmdrm	hypo	CHH	-0.0183
Gm12	3697244	3698240 Gmdrm	hypo	CHH	-0.0313
Gm12	3700855	3701846 Gmdrm	hypo	CHH	-0.0791
Gm12	3714079	3715073 Gmdrm	hypo	CHH	-0.092
Gm12	3717128	3718128 Gmdrm	hypo	CHH	-0.0116
Gm12	3718134	3718725 Gmdrm	hypo	CHH	-0.3369
Gm12	3719174	3720112 Gmdrm	hypo	CHH	-0.0231
Gm12	3725885	3726507 Gmdrm	hypo	CHH	-0.0178
Gm12	3730301	3731263 Gmdrm	hypo	CHH	-0.057
Gm12	3737263	3738231 Gmdrm	hypo	CHH	-0.0135
Gm12	3738269	3739269 Gmdrm	hypo	CHH	-0.0904
Gm12	3739274	3740274 Gmdrm	hypo	CHH	-0.0921

Gm12	3740839	3741568 Gmdrm	hypo	CHH	-0.015
Gm12	3755586	3756585 Gmdrm	hypo	CHH	-0.0283
Gm12	3760975	3761959 Gmdrm	hypo	CHH	-0.0684
Gm12	3770625	3770995 Gmdrm	hypo	CHH	-0.0348
Gm12	3776361	3777322 Gmdrm	hypo	CHH	-0.0215
Gm12	3780397	3781375 Gmdrm	hypo	CHH	-0.0152
Gm12	3787769	3787936 Gmdrm	hypo	CHH	-0.0851
Gm12	3790644	3791621 Gmdrm	hypo	CHH	-0.0278
Gm12	3807969	3808962 Gmdrm	hypo	CHH	-0.0225
Gm12	3834360	3835351 Gmdrm	hypo	CHH	-0.0436
Gm12	3848611	3849598 Gmdrm	hypo	CHH	-0.04
Gm12	3858819	3859818 Gmdrm	hypo	CHH	-0.0467
Gm12	3859825	3860417 Gmdrm	hypo	CHH	-0.0611
Gm12	3874371	3875317 Gmdrm	hypo	CHH	-0.0188
Gm12	3876204	3877204 Gmdrm	hypo	CHH	-0.0752
Gm12	3879220	3880219 Gmdrm	hypo	CHH	-0.0842
Gm12	3880222	3881219 Gmdrm	hypo	CHH	-0.0181
Gm12	3902728	3902808 Gmdrm	hypo	CHH	-0.0517
Gm12	3908613	3909603 Gmdrm	hypo	CHH	-0.0197
Gm12	3910173	3911161 Gmdrm	hypo	CHH	-0.0144
Gm12	3914834	3915010 Gmdrm	hypo	CHH	-0.0315
Gm12	3918722	3918962 Gmdrm	hypo	CHH	-0.0357
Gm12	3930023	3931002 Gmdrm	hypo	CHH	-0.0427
Gm12	3936727	3937713 Gmdrm	hypo	CHH	-0.0216
Gm12	3943442	3944442 Gmdrm	hypo	CHH	-0.0593
Gm12	3944443	3945433 Gmdrm	hypo	CHH	-0.0403
Gm12	3973308	3974293 Gmdrm	hypo	CHH	-0.0231
Gm12	3986310	3987310 Gmdrm	hypo	CHH	-0.0193
Gm12	3993244	3994243 Gmdrm	hypo	CHH	-0.085
Gm12	3994255	3995252 Gmdrm	hypo	CHH	-0.0276
Gm12	3999188	4000174 Gmdrm	hypo	CHH	-0.2265
Gm12	4017441	4017994 Gmdrm	hypo	CHH	-0.0228
Gm12	4020878	4021873 Gmdrm	hypo	CHH	-0.0336
Gm12	4023441	4024400 Gmdrm	hypo	CHH	-0.0177
Gm12	4025023	4025995 Gmdrm	hypo	CHH	-0.0276
Gm12	4030984	4031983 Gmdrm	hypo	CHH	-0.0443
Gm12	4031987	4032460 Gmdrm	hypo	CHH	-0.3091
Gm12	4042738	4043645 Gmdrm	hypo	CHH	-0.0304
Gm12	4043741	4044736 Gmdrm	hypo	CHH	-0.0194
Gm12	4044745	4045716 Gmdrm	hypo	CHH	-0.0314
Gm12	4049191	4050178 Gmdrm	hypo	CHH	-0.0182
Gm12	4081220	4082175 Gmdrm	hypo	CHH	-0.0094
Gm12	4113188	4114182 Gmdrm	hypo	CHH	-0.0182
Gm12	4130020	4130864 Gmdrm	hypo	CHH	-0.0236
Gm12	4133504	4134472 Gmdrm	hypo	CHH	-0.013
Gm12	4145255	4146216 Gmdrm	hypo	CHH	-0.0344

Gm12	4158180	4159178 Gmdrm	hypo	CHH	-0.0268
Gm12	4162628	4162896 Gmdrm	hypo	CHH	-0.0329
Gm12	4164725	4165709 Gmdrm	hypo	CHH	-0.0111
Gm12	4168888	4169867 Gmdrm	hypo	CHH	-0.1407
Gm12	4179749	4180710 Gmdrm	hypo	CHH	-0.0313
Gm12	4195864	4196862 Gmdrm	hypo	CHH	-0.0182
Gm12	4203088	4204060 Gmdrm	hypo	CHH	-0.0229
Gm12	4204776	4205774 Gmdrm	hypo	CHH	-0.0505
Gm12	4205780	4206137 Gmdrm	hypo	CHH	-0.0426
Gm12	4206274	4206361 Gmdrm	hypo	CHH	-0.028
Gm12	4213998	4214706 Gmdrm	hypo	CHH	-0.0379
Gm12	4231240	4231506 Gmdrm	hypo	CHH	-0.0423
Gm12	4237039	4238039 Gmdrm	hypo	CHH	-0.1045
Gm12	4238062	4239054 Gmdrm	hypo	CHH	-0.0163
Gm12	4239078	4240062 Gmdrm	hypo	CHH	-0.0102
Gm12	4251372	4252274 Gmdrm	hypo	CHH	-0.1159
Gm12	4260347	4261338 Gmdrm	hypo	CHH	-0.0153
Gm12	4261351	4262336 Gmdrm	hypo	CHH	-0.1072
Gm12	4263377	4264377 Gmdrm	hypo	CHH	-0.1548
Gm12	4264378	4265341 Gmdrm	hypo	CHH	-0.0557
Gm12	4266868	4267808 Gmdrm	hypo	CHH	-0.1609
Gm12	4273745	4274739 Gmdrm	hypo	CHH	-0.0169
Gm12	4283804	4284197 Gmdrm	hypo	CHH	-0.1248
Gm12	4284324	4284966 Gmdrm	hypo	CHH	-0.0665
Gm12	4288889	4289885 Gmdrm	hypo	CHH	-0.0181
Gm12	4297748	4298745 Gmdrm	hypo	CHH	-0.444
Gm12	4299772	4300551 Gmdrm	hypo	CHH	-0.0201
Gm12	4305801	4306798 Gmdrm	hypo	CHH	-0.0595
Gm12	4322196	4322821 Gmdrm	hypo	CHH	-0.0158
Gm12	4327250	4328249 Gmdrm	hypo	CHH	-0.2498
Gm12	4345654	4346594 Gmdrm	hypo	CHH	-0.0234
Gm12	4350588	4351586 Gmdrm	hypo	CHH	-0.0715
Gm12	4352034	4352989 Gmdrm	hypo	CHH	-0.0632
Gm12	4361258	4362249 Gmdrm	hypo	CHH	-0.1024
Gm12	4362261	4362545 Gmdrm	hypo	CHH	-0.0653
Gm12	4365799	4366442 Gmdrm	hypo	CHH	-0.0413
Gm12	4370684	4371168 Gmdrm	hypo	CHH	-0.0229
Gm12	4371269	4372252 Gmdrm	hypo	CHH	-0.0178
Gm12	4382294	4382912 Gmdrm	hypo	CHH	-0.0753
Gm12	4388585	4389584 Gmdrm	hypo	CHH	-0.0817
Gm12	4389593	4390573 Gmdrm	hypo	CHH	-0.0411
Gm12	4397124	4397980 Gmdrm	hypo	CHH	-0.0258
Gm12	4399474	4400469 Gmdrm	hypo	CHH	-0.0722
Gm12	4405258	4406255 Gmdrm	hypo	CHH	-0.0152
Gm12	4414900	4415883 Gmdrm	hypo	CHH	-0.0128
Gm12	4419815	4420808 Gmdrm	hypo	CHH	-0.0252

Gm12	4440842	4441834	Gmdrm	hypo	CHH	-0.0169
Gm12	4441844	4442395	Gmdrm	hypo	CHH	-0.0323
Gm12	4448784	4449767	Gmdrm	hypo	CHH	-0.0999
Gm12	4450825	4450968	Gmdrm	hypo	CHH	-0.0375
Gm12	4472463	4473459	Gmdrm	hypo	CHH	-0.163
Gm12	4473472	4474469	Gmdrm	hypo	CHH	-0.0385
Gm12	4481370	4482350	Gmdrm	hypo	CHH	-0.0154
Gm12	4485005	4485993	Gmdrm	hypo	CHH	-0.1734
Gm12	4486009	4486973	Gmdrm	hypo	CHH	-0.0215
Gm12	4494314	4495314	Gmdrm	hypo	CHH	-0.0315
Gm12	4496316	4497315	Gmdrm	hypo	CHH	-0.0272
Gm12	4501511	4502492	Gmdrm	hypo	CHH	-0.0308
Gm12	4502516	4503028	Gmdrm	hypo	CHH	-0.0555
Gm12	4505263	4506249	Gmdrm	hypo	CHH	-0.3477
Gm12	4506264	4506847	Gmdrm	hypo	CHH	-0.0789
Gm12	4507221	4508198	Gmdrm	hypo	CHH	-0.09
Gm12	4528125	4529107	Gmdrm	hypo	CHH	-0.055
Gm12	4534573	4535556	Gmdrm	hypo	CHH	-0.1263
Gm12	4539711	4539971	Gmdrm	hypo	CHH	-0.0518
Gm12	4544231	4545080	Gmdrm	hypo	CHH	-0.0319
Gm12	4546250	4547239	Gmdrm	hypo	CHH	-0.0293
Gm12	4561347	4562338	Gmdrm	hypo	CHH	-0.0404
Gm12	4576697	4577380	Gmdrm	hypo	CHH	-0.35
Gm12	4581706	4582688	Gmdrm	hypo	CHH	-0.0311
Gm12	4584759	4585742	Gmdrm	hypo	CHH	-0.1061
Gm12	4588907	4589899	Gmdrm	hypo	CHH	-0.0116
Gm12	4596752	4596944	Gmdrm	hypo	CHH	-0.035
Gm12	4602232	4603231	Gmdrm	hypo	CHH	-0.0654
Gm12	4603234	4603601	Gmdrm	hypo	CHH	-0.1191
Gm12	4605741	4606739	Gmdrm	hypo	CHH	-0.0698
Gm12	4620936	4621926	Gmdrm	hypo	CHH	-0.0194
Gm12	4624860	4625856	Gmdrm	hypo	CHH	-0.035
Gm12	4642390	4643381	Gmdrm	hypo	CHH	-0.015
Gm12	4647617	4648214	Gmdrm	hypo	CHH	-0.0278
Gm12	4654424	4655421	Gmdrm	hypo	CHH	-0.2887
Gm12	4656463	4657151	Gmdrm	hypo	CHH	-0.0342
Gm12	4675646	4676646	Gmdrm	hypo	CHH	-0.0558
Gm12	4694868	4695253	Gmdrm	hypo	CHH	-0.0506
Gm12	4697736	4698734	Gmdrm	hypo	CHH	-0.0531
Gm12	4713003	4714003	Gmdrm	hypo	CHH	-0.05
Gm12	4714004	4714977	Gmdrm	hypo	CHH	-0.0312
Gm12	4715019	4715350	Gmdrm	hypo	CHH	-0.0168
Gm12	4719724	4720690	Gmdrm	hypo	CHH	-0.1092
Gm12	4722770	4723756	Gmdrm	hypo	CHH	-0.0404
Gm12	4723775	4724766	Gmdrm	hypo	CHH	-0.0719
Gm12	4724801	4725165	Gmdrm	hypo	CHH	-0.0427

Gm12	4752675	4753612 Gmdrm	hypo	CHH	-0.0228
Gm12	4773830	4774829 Gmdrm	hypo	CHH	-0.0135
Gm12	4774834	4775828 Gmdrm	hypo	CHH	-0.0142
Gm12	4775848	4776836 Gmdrm	hypo	CHH	-0.0276
Gm12	4777880	4778880 Gmdrm	hypo	CHH	-0.0169
Gm12	4786038	4787027 Gmdrm	hypo	CHH	-0.0705
Gm12	4787049	4787362 Gmdrm	hypo	CHH	-0.0392
Gm12	4792398	4793224 Gmdrm	hypo	CHH	-0.2003
Gm12	4796087	4796806 Gmdrm	hypo	CHH	-0.0477
Gm12	4798982	4799965 Gmdrm	hypo	CHH	-0.0424
Gm12	4799993	4800986 Gmdrm	hypo	CHH	-0.0289
Gm12	4800995	4801992 Gmdrm	hypo	CHH	-0.0335
Gm12	4801997	4802990 Gmdrm	hypo	CHH	-0.0127
Gm12	4817859	4818852 Gmdrm	hypo	CHH	-0.0125
Gm12	4833770	4834770 Gmdrm	hypo	CHH	-0.0228
Gm12	4835475	4836475 Gmdrm	hypo	CHH	-0.044
Gm12	4836480	4837047 Gmdrm	hypo	CHH	-0.0817
Gm12	4838350	4839330 Gmdrm	hypo	CHH	-0.0177
Gm12	4842238	4843203 Gmdrm	hypo	CHH	-0.2578
Gm12	4851511	4852504 Gmdrm	hypo	CHH	-0.1695
Gm12	4852583	4853563 Gmdrm	hypo	CHH	-0.0739
Gm12	4853606	4854353 Gmdrm	hypo	CHH	-0.0248
Gm12	4855856	4856842 Gmdrm	hypo	CHH	-0.0948
Gm12	4858907	4859907 Gmdrm	hypo	CHH	-0.0201
Gm12	4862839	4862978 Gmdrm	hypo	CHH	-0.105
Gm12	4893898	4894792 Gmdrm	hypo	CHH	-0.0102
Gm12	4899466	4900050 Gmdrm	hypo	CHH	-0.0215
Gm12	4905190	4906187 Gmdrm	hypo	CHH	-0.0611
Gm12	4907944	4908557 Gmdrm	hypo	CHH	-0.632
Gm12	4908674	4908973 Gmdrm	hypo	CHH	-0.0605
Gm12	4927748	4928748 Gmdrm	hypo	CHH	-0.0531
Gm12	4928757	4929560 Gmdrm	hypo	CHH	-0.0295
Gm12	4932309	4933305 Gmdrm	hypo	CHH	-0.0363
Gm12	4933314	4934283 Gmdrm	hypo	CHH	-0.0361
Gm12	4934318	4935289 Gmdrm	hypo	CHH	-0.0362
Gm12	4935324	4936311 Gmdrm	hypo	CHH	-0.0355
Gm12	4936474	4937460 Gmdrm	hypo	CHH	-0.0534
Gm12	4937501	4938494 Gmdrm	hypo	CHH	-0.0218
Gm12	4949692	4950673 Gmdrm	hypo	CHH	-0.0601
Gm12	4950741	4951529 Gmdrm	hypo	CHH	-0.1827
Gm12	4951658	4952658 Gmdrm	hypo	CHH	-0.0515
Gm12	4960003	4960976 Gmdrm	hypo	CHH	-0.0226
Gm12	4962034	4963031 Gmdrm	hypo	CHH	-0.0951
Gm12	4964632	4965571 Gmdrm	hypo	CHH	-0.2404
Gm12	4979344	4980332 Gmdrm	hypo	CHH	-0.068
Gm12	4980354	4980845 Gmdrm	hypo	CHH	-0.0359

Gm12	4984880	4985876 Gmdrm	hypo	CHH	-0.0644
Gm12	4987936	4988933 Gmdrm	hypo	CHH	-0.0547
Gm12	4989950	4990949 Gmdrm	hypo	CHH	-0.1069
Gm12	5010610	5011597 Gmdrm	hypo	CHH	-0.0248
Gm12	5014558	5014866 Gmdrm	hypo	CHH	-0.0411
Gm12	5023603	5024506 Gmdrm	hypo	CHH	-0.0269
Gm12	5028984	5029968 Gmdrm	hypo	CHH	-0.0149
Gm12	5043714	5044075 Gmdrm	hypo	CHH	-0.0368
Gm12	5045522	5046522 Gmdrm	hypo	CHH	-0.0241
Gm12	5046525	5047497 Gmdrm	hypo	CHH	-0.0154
Gm12	5053212	5054205 Gmdrm	hypo	CHH	-0.1112
Gm12	5055215	5056201 Gmdrm	hypo	CHH	-0.0601
Gm12	5058336	5059246 Gmdrm	hypo	CHH	-0.035
Gm12	5070801	5071793 Gmdrm	hypo	CHH	-0.0149
Gm12	5089268	5090203 Gmdrm	hypo	CHH	-0.0315
Gm12	5090911	5091727 Gmdrm	hypo	CHH	-0.023
Gm12	5094878	5095856 Gmdrm	hypo	CHH	-0.0567
Gm12	5104440	5105433 Gmdrm	hypo	CHH	-0.0269
Gm12	5118077	5119073 Gmdrm	hypo	CHH	-0.0901
Gm12	5135678	5136676 Gmdrm	hypo	CHH	-0.0993
Gm12	5138690	5139684 Gmdrm	hypo	CHH	-0.128
Gm12	5153799	5154790 Gmdrm	hypo	CHH	-0.0109
Gm12	5157084	5158030 Gmdrm	hypo	CHH	-0.0679
Gm12	5158668	5159656 Gmdrm	hypo	CHH	-0.0137
Gm12	5162831	5163674 Gmdrm	hypo	CHH	-0.0802
Gm12	5163866	5164825 Gmdrm	hypo	CHH	-0.0604
Gm12	5164873	5165861 Gmdrm	hypo	CHH	-0.0879
Gm12	5165874	5166524 Gmdrm	hypo	CHH	-0.0287
Gm12	5169696	5170623 Gmdrm	hypo	CHH	-0.0151
Gm12	5171998	5172994 Gmdrm	hypo	CHH	-0.013
Gm12	5185827	5186808 Gmdrm	hypo	CHH	-0.0447
Gm12	5186830	5187820 Gmdrm	hypo	CHH	-0.032
Gm12	5188257	5188957 Gmdrm	hypo	CHH	-0.0304
Gm12	5193487	5194356 Gmdrm	hypo	CHH	-0.067
Gm12	5205235	5206235 Gmdrm	hypo	CHH	-0.0493
Gm12	5209950	5210950 Gmdrm	hypo	CHH	-0.0418
Gm12	5210952	5211944 Gmdrm	hypo	CHH	-0.0333
Gm12	5228424	5229423 Gmdrm	hypo	CHH	-0.1001
Gm12	5229429	5230391 Gmdrm	hypo	CHH	-0.0602
Gm12	5234019	5235017 Gmdrm	hypo	CHH	-0.0472
Gm12	5259167	5260148 Gmdrm	hypo	CHH	-0.02
Gm12	5260173	5261160 Gmdrm	hypo	CHH	-0.0214
Gm12	5268828	5269822 Gmdrm	hypo	CHH	-0.0113
Gm12	5269837	5270834 Gmdrm	hypo	CHH	-0.015
Gm12	5271844	5272840 Gmdrm	hypo	CHH	-0.0472
Gm12	5272848	5273824 Gmdrm	hypo	CHH	-0.0601

Gm12	5273861	5274860	Gmdrm	hypo	CHH	-0.017
Gm12	5284275	5285274	Gmdrm	hypo	CHH	-0.1161
Gm12	5303691	5304291	Gmdrm	hypo	CHH	-0.0992
Gm12	5306535	5307517	Gmdrm	hypo	CHH	-0.027
Gm12	5308001	5308280	Gmdrm	hypo	CHH	-0.0295
Gm12	5327999	5328925	Gmdrm	hypo	CHH	-0.0192
Gm12	5336354	5337169	Gmdrm	hypo	CHH	-0.0523
Gm12	5347247	5348205	Gmdrm	hypo	CHH	-0.0617
Gm12	5362246	5363216	Gmdrm	hypo	CHH	-0.0171
Gm12	5363257	5364257	Gmdrm	hypo	CHH	-0.0547
Gm12	5364258	5364304	Gmdrm	hypo	CHH	-0.1389
Gm12	5364407	5365098	Gmdrm	hypo	CHH	-0.07
Gm12	5369787	5370738	Gmdrm	hypo	CHH	-0.019
Gm12	5372297	5372968	Gmdrm	hypo	CHH	-0.0257
Gm12	5384932	5385931	Gmdrm	hypo	CHH	-0.019
Gm12	5388799	5389782	Gmdrm	hypo	CHH	-0.0496
Gm12	5389813	5390800	Gmdrm	hypo	CHH	-0.0367
Gm12	5390825	5391825	Gmdrm	hypo	CHH	-0.0301
Gm12	5391828	5392810	Gmdrm	hypo	CHH	-0.0358
Gm12	5392838	5393836	Gmdrm	hypo	CHH	-0.031
Gm12	5402732	5403726	Gmdrm	hypo	CHH	-0.0687
Gm12	5403790	5404438	Gmdrm	hypo	CHH	-0.12
Gm12	5408302	5409284	Gmdrm	hypo	CHH	-0.1419
Gm12	5416719	5417719	Gmdrm	hypo	CHH	-0.0193
Gm12	5417722	5418721	Gmdrm	hypo	CHH	-0.1011
Gm12	5418725	5419689	Gmdrm	hypo	CHH	-0.041
Gm12	5422814	5423813	Gmdrm	hypo	CHH	-0.1048
Gm12	5423822	5424792	Gmdrm	hypo	CHH	-0.0233
Gm12	5430681	5431678	Gmdrm	hypo	CHH	-0.047
Gm12	5432507	5433507	Gmdrm	hypo	CHH	-0.0875
Gm12	5439111	5440087	Gmdrm	hypo	CHH	-0.0391
Gm12	5446979	5447977	Gmdrm	hypo	CHH	-0.2572
Gm12	5459022	5460016	Gmdrm	hypo	CHH	-0.0104
Gm12	5461092	5462062	Gmdrm	hypo	CHH	-0.222
Gm12	5464156	5464352	Gmdrm	hypo	CHH	-0.03
Gm12	5467769	5468756	Gmdrm	hypo	CHH	-0.0324
Gm12	5472800	5473787	Gmdrm	hypo	CHH	-0.1108
Gm12	5485337	5486328	Gmdrm	hypo	CHH	-0.0472
Gm12	5489220	5490220	Gmdrm	hypo	CHH	-0.0181
Gm12	5490390	5491385	Gmdrm	hypo	CHH	-0.026
Gm12	5491392	5492381	Gmdrm	hypo	CHH	-0.0264
Gm12	5509652	5510589	Gmdrm	hypo	CHH	-0.0215
Gm12	5511675	5512452	Gmdrm	hypo	CHH	-0.194
Gm12	5516767	5517753	Gmdrm	hypo	CHH	-0.019
Gm12	5518773	5519600	Gmdrm	hypo	CHH	-0.052
Gm12	5524752	5525748	Gmdrm	hypo	CHH	-0.0482

Gm12	5525758	5526740 Gmdrm	hypo	CHH	-0.0466
Gm12	5526839	5527837 Gmdrm	hypo	CHH	-0.0264
Gm12	5531120	5531711 Gmdrm	hypo	CHH	-0.0278
Gm12	5548420	5549393 Gmdrm	hypo	CHH	-0.036
Gm12	5551469	5552469 Gmdrm	hypo	CHH	-0.0416
Gm12	5557550	5558543 Gmdrm	hypo	CHH	-0.0484
Gm12	5559569	5560552 Gmdrm	hypo	CHH	-0.0169
Gm12	5564654	5565641 Gmdrm	hypo	CHH	-0.1704
Gm12	5565666	5566657 Gmdrm	hypo	CHH	-0.0786
Gm12	5569295	5569715 Gmdrm	hypo	CHH	-0.1637
Gm12	5573021	5573837 Gmdrm	hypo	CHH	-0.0359
Gm12	5574169	5575158 Gmdrm	hypo	CHH	-0.023
Gm12	5576215	5577200 Gmdrm	hypo	CHH	-0.0145
Gm12	5583762	5584576 Gmdrm	hypo	CHH	-0.0244
Gm12	5596167	5597158 Gmdrm	hypo	CHH	-0.0795
Gm12	5600471	5601463 Gmdrm	hypo	CHH	-0.071
Gm12	5609764	5610749 Gmdrm	hypo	CHH	-0.0155
Gm12	5610767	5611765 Gmdrm	hypo	CHH	-0.0818
Gm12	5620062	5621062 Gmdrm	hypo	CHH	-0.1828
Gm12	5621086	5622055 Gmdrm	hypo	CHH	-0.2204
Gm12	5622089	5623088 Gmdrm	hypo	CHH	-0.1603
Gm12	5627454	5628452 Gmdrm	hypo	CHH	-0.0215
Gm12	5633547	5634545 Gmdrm	hypo	CHH	-0.0322
Gm12	5643675	5644343 Gmdrm	hypo	CHH	-0.0464
Gm12	5648275	5648988 Gmdrm	hypo	CHH	-0.1841
Gm12	5649358	5650340 Gmdrm	hypo	CHH	-0.152
Gm12	5650363	5651350 Gmdrm	hypo	CHH	-0.0099
Gm12	5656926	5657925 Gmdrm	hypo	CHH	-0.0511
Gm12	5665447	5665884 Gmdrm	hypo	CHH	-0.1044
Gm12	5669522	5670498 Gmdrm	hypo	CHH	-0.0811
Gm12	5671423	5672407 Gmdrm	hypo	CHH	-0.083
Gm12	5672428	5673418 Gmdrm	hypo	CHH	-0.0669
Gm12	5673469	5674460 Gmdrm	hypo	CHH	-0.1447
Gm12	5678989	5679980 Gmdrm	hypo	CHH	-0.2043
Gm12	5681119	5682118 Gmdrm	hypo	CHH	-0.0484
Gm12	5682151	5683140 Gmdrm	hypo	CHH	-0.0128
Gm12	5693016	5694001 Gmdrm	hypo	CHH	-0.0744
Gm12	5694021	5695003 Gmdrm	hypo	CHH	-0.1118
Gm12	5695033	5696033 Gmdrm	hypo	CHH	-0.0262
Gm12	5696034	5697028 Gmdrm	hypo	CHH	-0.1507
Gm12	5698044	5699041 Gmdrm	hypo	CHH	-0.0833
Gm12	5706532	5707500 Gmdrm	hypo	CHH	-0.0152
Gm12	5712077	5713075 Gmdrm	hypo	CHH	-0.0553
Gm12	5717674	5718674 Gmdrm	hypo	CHH	-0.0803
Gm12	5720694	5721168 Gmdrm	hypo	CHH	-0.2
Gm12	5722287	5723283 Gmdrm	hypo	CHH	-0.2336

Gm12	5727314	5728305	Gmdrm	hypo	CHH	-0.1367
Gm12	5733653	5733761	Gmdrm	hypo	CHH	-0.0507
Gm12	5738292	5739256	Gmdrm	hypo	CHH	-0.1359
Gm12	5762820	5763407	Gmdrm	hypo	CHH	-0.0508
Gm12	5766998	5767996	Gmdrm	hypo	CHH	-0.0435
Gm12	5768003	5768658	Gmdrm	hypo	CHH	-0.0466
Gm12	5774152	5775138	Gmdrm	hypo	CHH	-0.0132
Gm12	5777398	5778313	Gmdrm	hypo	CHH	-0.0151
Gm12	5782514	5782715	Gmdrm	hypo	CHH	-0.1015
Gm12	5814686	5815683	Gmdrm	hypo	CHH	-0.0505
Gm12	5815692	5816683	Gmdrm	hypo	CHH	-0.0098
Gm12	5823963	5824953	Gmdrm	hypo	CHH	-0.0216
Gm12	5826804	5827785	Gmdrm	hypo	CHH	-0.0157
Gm12	5827826	5828809	Gmdrm	hypo	CHH	-0.0374
Gm12	5828848	5829811	Gmdrm	hypo	CHH	-0.0399
Gm12	5840089	5841089	Gmdrm	hypo	CHH	-0.0382
Gm12	5841127	5842125	Gmdrm	hypo	CHH	-0.0743
Gm12	5848934	5849919	Gmdrm	hypo	CHH	-0.2347
Gm12	5851681	5852677	Gmdrm	hypo	CHH	-0.0286
Gm12	5852683	5853683	Gmdrm	hypo	CHH	-0.0471
Gm12	5868012	5869009	Gmdrm	hypo	CHH	-0.0165
Gm12	5869015	5870012	Gmdrm	hypo	CHH	-0.0309
Gm12	5878839	5879212	Gmdrm	hypo	CHH	-0.0806
Gm12	5884338	5885333	Gmdrm	hypo	CHH	-0.0526
Gm12	5894233	5895233	Gmdrm	hypo	CHH	-0.0165
Gm12	5902176	5902945	Gmdrm	hypo	CHH	-0.0309
Gm12	5907153	5907955	Gmdrm	hypo	CHH	-0.0427
Gm12	5910455	5911437	Gmdrm	hypo	CHH	-0.1948
Gm12	5911461	5912431	Gmdrm	hypo	CHH	-0.0133
Gm12	5912473	5913469	Gmdrm	hypo	CHH	-0.0158
Gm12	5922484	5923481	Gmdrm	hypo	CHH	-0.0279
Gm12	5927330	5927496	Gmdrm	hypo	CHH	-0.1117
Gm12	5936706	5937677	Gmdrm	hypo	CHH	-0.0229
Gm12	5939739	5940736	Gmdrm	hypo	CHH	-0.1024
Gm12	5940749	5941748	Gmdrm	hypo	CHH	-0.0846
Gm12	5941755	5942742	Gmdrm	hypo	CHH	-0.1137
Gm12	5966781	5967465	Gmdrm	hypo	CHH	-0.0852
Gm12	5971326	5972321	Gmdrm	hypo	CHH	-0.0817
Gm12	5972331	5973323	Gmdrm	hypo	CHH	-0.0516
Gm12	5973571	5973785	Gmdrm	hypo	CHH	-0.0285
Gm12	5974959	5975958	Gmdrm	hypo	CHH	-0.0214
Gm12	5981636	5982635	Gmdrm	hypo	CHH	-0.011
Gm12	5986541	5987537	Gmdrm	hypo	CHH	-0.0198
Gm12	6003510	6004507	Gmdrm	hypo	CHH	-0.0438
Gm12	6013078	6013556	Gmdrm	hypo	CHH	-0.0505
Gm12	6015487	6015906	Gmdrm	hypo	CHH	-0.049

Gm12	6020989	6021658 Gmdrm	hypo	CHH	-0.1559
Gm12	6025149	6026147 Gmdrm	hypo	CHH	-0.0169
Gm12	6030664	6031635 Gmdrm	hypo	CHH	-0.0248
Gm12	6038958	6039928 Gmdrm	hypo	CHH	-0.0225
Gm12	6045780	6046770 Gmdrm	hypo	CHH	-0.1256
Gm12	6057302	6058295 Gmdrm	hypo	CHH	-0.0606
Gm12	6058304	6059262 Gmdrm	hypo	CHH	-0.1185
Gm12	6059383	6059422 Gmdrm	hypo	CHH	-0.2478
Gm12	6065760	6066268 Gmdrm	hypo	CHH	-0.0386
Gm12	6067795	6068728 Gmdrm	hypo	CHH	-0.1469
Gm12	6068827	6069798 Gmdrm	hypo	CHH	-0.2055
Gm12	6069832	6070822 Gmdrm	hypo	CHH	-0.3143
Gm12	6081113	6082113 Gmdrm	hypo	CHH	-0.0272
Gm12	6082119	6083101 Gmdrm	hypo	CHH	-0.0453
Gm12	6092544	6092597 Gmdrm	hypo	CHH	-0.0633
Gm12	6099959	6100957 Gmdrm	hypo	CHH	-0.0979
Gm12	6100970	6101647 Gmdrm	hypo	CHH	-0.0342
Gm12	6102779	6103777 Gmdrm	hypo	CHH	-0.0442
Gm12	6108709	6109709 Gmdrm	hypo	CHH	-0.0332
Gm12	6109716	6110711 Gmdrm	hypo	CHH	-0.0252
Gm12	6125454	6126438 Gmdrm	hypo	CHH	-0.0157
Gm12	6126489	6127485 Gmdrm	hypo	CHH	-0.019
Gm12	6127495	6128494 Gmdrm	hypo	CHH	-0.1028
Gm12	6128496	6129492 Gmdrm	hypo	CHH	-0.0978
Gm12	6130528	6131526 Gmdrm	hypo	CHH	-0.0402
Gm12	6131530	6132530 Gmdrm	hypo	CHH	-0.1016
Gm12	6132539	6133531 Gmdrm	hypo	CHH	-0.0501
Gm12	6135553	6136551 Gmdrm	hypo	CHH	-0.0239
Gm12	6136554	6137551 Gmdrm	hypo	CHH	-0.0697
Gm12	6137559	6138521 Gmdrm	hypo	CHH	-0.052
Gm12	6138581	6139579 Gmdrm	hypo	CHH	-0.0408
Gm12	6140600	6141387 Gmdrm	hypo	CHH	-0.0118
Gm12	6150127	6150698 Gmdrm	hypo	CHH	-0.038
Gm12	6181262	6181634 Gmdrm	hypo	CHH	-0.086
Gm12	6186476	6187469 Gmdrm	hypo	CHH	-0.1379
Gm12	6193832	6194733 Gmdrm	hypo	CHH	-0.0611
Gm12	6197225	6198224 Gmdrm	hypo	CHH	-0.0849
Gm12	6198226	6199221 Gmdrm	hypo	CHH	-0.0395
Gm12	6208660	6209656 Gmdrm	hypo	CHH	-0.0191
Gm12	6210671	6211670 Gmdrm	hypo	CHH	-0.0374
Gm12	6216799	6217779 Gmdrm	hypo	CHH	-0.0108
Gm12	6220096	6221094 Gmdrm	hypo	CHH	-0.0406
Gm12	6226838	6227827 Gmdrm	hypo	CHH	-0.0206
Gm12	6227855	6228855 Gmdrm	hypo	CHH	-0.0615
Gm12	6235762	6236755 Gmdrm	hypo	CHH	-0.0161
Gm12	6236768	6237767 Gmdrm	hypo	CHH	-0.0112

Gm12	6237786	6238677 Gmdrm	hypo	CHH	-0.023
Gm12	6239813	6239902 Gmdrm	hypo	CHH	-0.0247
Gm12	6240024	6241020 Gmdrm	hypo	CHH	-0.0737
Gm12	6241030	6242022 Gmdrm	hypo	CHH	-0.0207
Gm12	6251440	6252433 Gmdrm	hypo	CHH	-0.0823
Gm12	6252457	6253451 Gmdrm	hypo	CHH	-0.0318
Gm12	6255473	6256467 Gmdrm	hypo	CHH	-0.0775
Gm12	6275371	6276360 Gmdrm	hypo	CHH	-0.0479
Gm12	6277459	6278455 Gmdrm	hypo	CHH	-0.0101
Gm12	6278477	6279464 Gmdrm	hypo	CHH	-0.011
Gm12	6280700	6281686 Gmdrm	hypo	CHH	-0.1183
Gm12	6299826	6300792 Gmdrm	hypo	CHH	-0.0132
Gm12	6312603	6313594 Gmdrm	hypo	CHH	-0.0701
Gm12	6314614	6315369 Gmdrm	hypo	CHH	-0.0465
Gm12	6340047	6341023 Gmdrm	hypo	CHH	-0.0383
Gm12	6343438	6344431 Gmdrm	hypo	CHH	-0.0425
Gm12	6344441	6345422 Gmdrm	hypo	CHH	-0.0345
Gm12	6348506	6349495 Gmdrm	hypo	CHH	-0.0579
Gm12	6366733	6367731 Gmdrm	hypo	CHH	-0.0239
Gm12	6367745	6368739 Gmdrm	hypo	CHH	-0.0988
Gm12	6374945	6375909 Gmdrm	hypo	CHH	-0.0222
Gm12	6379811	6380808 Gmdrm	hypo	CHH	-0.1377
Gm12	6380814	6381658 Gmdrm	hypo	CHH	-0.3119
Gm12	6382676	6383675 Gmdrm	hypo	CHH	-0.0652
Gm12	6384555	6385555 Gmdrm	hypo	CHH	-0.1035
Gm12	6385567	6386557 Gmdrm	hypo	CHH	-0.0763
Gm12	6390397	6391383 Gmdrm	hypo	CHH	-0.2115
Gm12	6406775	6407763 Gmdrm	hypo	CHH	-0.0133
Gm12	6408518	6409488 Gmdrm	hypo	CHH	-0.2127
Gm12	6411420	6412418 Gmdrm	hypo	CHH	-0.3093
Gm12	6413646	6414626 Gmdrm	hypo	CHH	-0.0116
Gm12	6414654	6415653 Gmdrm	hypo	CHH	-0.0149
Gm12	6415661	6416639 Gmdrm	hypo	CHH	-0.0232
Gm12	6423419	6424062 Gmdrm	hypo	CHH	-0.0236
Gm12	6425603	6425787 Gmdrm	hypo	CHH	-0.0191
Gm12	6430451	6431155 Gmdrm	hypo	CHH	-0.0716
Gm12	6434269	6435267 Gmdrm	hypo	CHH	-0.0257
Gm12	6444773	6445755 Gmdrm	hypo	CHH	-0.0493
Gm12	6447786	6448771 Gmdrm	hypo	CHH	-0.0545
Gm12	6463928	6464919 Gmdrm	hypo	CHH	-0.0174
Gm12	6476846	6477844 Gmdrm	hypo	CHH	-0.0215
Gm12	6477868	6478859 Gmdrm	hypo	CHH	-0.1242
Gm12	6478870	6479856 Gmdrm	hypo	CHH	-0.0324
Gm12	6481954	6482953 Gmdrm	hypo	CHH	-0.0299
Gm12	6485541	6486526 Gmdrm	hypo	CHH	-0.189
Gm12	6486548	6487546 Gmdrm	hypo	CHH	-0.154

Gm12	6487557	6488524	Gmdrm	hypo	CHH	-0.0322
Gm12	6494507	6495504	Gmdrm	hypo	CHH	-0.0174
Gm12	6495517	6496517	Gmdrm	hypo	CHH	-0.0516
Gm12	6496523	6496915	Gmdrm	hypo	CHH	-0.0553
Gm12	6503083	6504078	Gmdrm	hypo	CHH	-0.0211
Gm12	6505098	6506054	Gmdrm	hypo	CHH	-0.0358
Gm12	6506101	6507101	Gmdrm	hypo	CHH	-0.0549
Gm12	6507103	6508094	Gmdrm	hypo	CHH	-0.0381
Gm12	6508129	6509113	Gmdrm	hypo	CHH	-0.0613
Gm12	6509139	6509496	Gmdrm	hypo	CHH	-0.0268
Gm12	6523410	6524402	Gmdrm	hypo	CHH	-0.069
Gm12	6526276	6527268	Gmdrm	hypo	CHH	-0.0099
Gm12	6540250	6541242	Gmdrm	hypo	CHH	-0.0926
Gm12	6541262	6541379	Gmdrm	hypo	CHH	-0.0418
Gm12	6550519	6551516	Gmdrm	hypo	CHH	-0.0375
Gm12	6551567	6552310	Gmdrm	hypo	CHH	-0.1779
Gm12	6552767	6553766	Gmdrm	hypo	CHH	-0.155
Gm12	6556666	6557664	Gmdrm	hypo	CHH	-0.1942
Gm12	6557670	6558669	Gmdrm	hypo	CHH	-0.0837
Gm12	6587445	6588442	Gmdrm	hypo	CHH	-0.0591
Gm12	6588454	6589454	Gmdrm	hypo	CHH	-0.0908
Gm12	6589458	6590426	Gmdrm	hypo	CHH	-0.1012
Gm12	6590466	6591463	Gmdrm	hypo	CHH	-0.0762
Gm12	6591468	6592465	Gmdrm	hypo	CHH	-0.0238
Gm12	6618018	6618996	Gmdrm	hypo	CHH	-0.2667
Gm12	6621041	6622019	Gmdrm	hypo	CHH	-0.2823
Gm12	6632853	6633821	Gmdrm	hypo	CHH	-0.0125
Gm12	6638370	6638939	Gmdrm	hypo	CHH	-0.063
Gm12	6645313	6646305	Gmdrm	hypo	CHH	-0.0271
Gm12	6660358	6661355	Gmdrm	hypo	CHH	-0.0479
Gm12	6665096	6666089	Gmdrm	hypo	CHH	-0.0142
Gm12	6675739	6676726	Gmdrm	hypo	CHH	-0.0175
Gm12	6683853	6684831	Gmdrm	hypo	CHH	-0.0838
Gm12	6691250	6692249	Gmdrm	hypo	CHH	-0.0143
Gm12	6694119	6694292	Gmdrm	hypo	CHH	-0.1805
Gm12	6699024	6700006	Gmdrm	hypo	CHH	-0.326
Gm12	6703085	6704021	Gmdrm	hypo	CHH	-0.0402
Gm12	6710633	6710796	Gmdrm	hypo	CHH	-0.0512
Gm12	6712897	6713871	Gmdrm	hypo	CHH	-0.0242
Gm12	6719900	6719993	Gmdrm	hypo	CHH	-0.05
Gm12	6736540	6737540	Gmdrm	hypo	CHH	-0.0302
Gm12	6737551	6738318	Gmdrm	hypo	CHH	-0.1453
Gm12	6741340	6742302	Gmdrm	hypo	CHH	-0.0093
Gm12	6745883	6746883	Gmdrm	hypo	CHH	-0.1151
Gm12	6746885	6747883	Gmdrm	hypo	CHH	-0.0606
Gm12	6756006	6756976	Gmdrm	hypo	CHH	-0.039

Gm12	6757008	6758006 Gmdrm	hypo	CHH	-0.0211
Gm12	6758015	6758989 Gmdrm	hypo	CHH	-0.1118
Gm12	6759029	6759984 Gmdrm	hypo	CHH	-0.0556
Gm12	6772850	6773838 Gmdrm	hypo	CHH	-0.0285
Gm12	6787226	6788159 Gmdrm	hypo	CHH	-0.1952
Gm12	6791602	6792300 Gmdrm	hypo	CHH	-0.0179
Gm12	6794422	6795394 Gmdrm	hypo	CHH	-0.0166
Gm12	6796430	6797423 Gmdrm	hypo	CHH	-0.0376
Gm12	6797439	6798416 Gmdrm	hypo	CHH	-0.0356
Gm12	6798980	6799282 Gmdrm	hypo	CHH	-0.0244
Gm12	6803287	6804266 Gmdrm	hypo	CHH	-0.0255
Gm12	6807381	6807947 Gmdrm	hypo	CHH	-0.0149
Gm12	6816257	6817255 Gmdrm	hypo	CHH	-0.0671
Gm12	6817260	6818248 Gmdrm	hypo	CHH	-0.0822
Gm12	6820180	6821170 Gmdrm	hypo	CHH	-0.0243
Gm12	6827061	6828061 Gmdrm	hypo	CHH	-0.1102
Gm12	6828662	6829608 Gmdrm	hypo	CHH	-0.0513
Gm12	6840335	6841325 Gmdrm	hypo	CHH	-0.0833
Gm12	6843344	6844336 Gmdrm	hypo	CHH	-0.0262
Gm12	6855768	6856750 Gmdrm	hypo	CHH	-0.0434
Gm12	6857630	6858106 Gmdrm	hypo	CHH	-0.2352
Gm12	6860734	6861727 Gmdrm	hypo	CHH	-0.1273
Gm12	6868787	6869782 Gmdrm	hypo	CHH	-0.0372
Gm12	6869788	6870787 Gmdrm	hypo	CHH	-0.0603
Gm12	6871801	6872660 Gmdrm	hypo	CHH	-0.0215
Gm12	6879941	6880618 Gmdrm	hypo	CHH	-0.0251
Gm12	6880828	6881770 Gmdrm	hypo	CHH	-0.0207
Gm12	6883762	6884748 Gmdrm	hypo	CHH	-0.0233
Gm12	6893642	6894627 Gmdrm	hypo	CHH	-0.0861
Gm12	6903808	6904712 Gmdrm	hypo	CHH	-0.2326
Gm12	6919463	6920462 Gmdrm	hypo	CHH	-0.0333
Gm12	6924490	6925489 Gmdrm	hypo	CHH	-0.0519
Gm12	6925496	6926487 Gmdrm	hypo	CHH	-0.0305
Gm12	6937227	6938225 Gmdrm	hypo	CHH	-0.0155
Gm12	6943737	6944737 Gmdrm	hypo	CHH	-0.0132
Gm12	6954919	6955873 Gmdrm	hypo	CHH	-0.0435
Gm12	6961885	6962883 Gmdrm	hypo	CHH	-0.2581
Gm12	6965394	6966387 Gmdrm	hypo	CHH	-0.0773
Gm12	6966400	6966868 Gmdrm	hypo	CHH	-0.1492
Gm12	6969004	6969983 Gmdrm	hypo	CHH	-0.0914
Gm12	6983869	6984852 Gmdrm	hypo	CHH	-0.0277
Gm12	6984882	6985881 Gmdrm	hypo	CHH	-0.0726
Gm12	6989325	6989494 Gmdrm	hypo	CHH	-0.0427
Gm12	7000374	7001365 Gmdrm	hypo	CHH	-0.0213
Gm12	7004246	7004458 Gmdrm	hypo	CHH	-0.0382
Gm12	7009143	7010136 Gmdrm	hypo	CHH	-0.026

Gm12	7010931	7011434	Gmdrm	hypo	CHH	-0.0371
Gm12	7011908	7012903	Gmdrm	hypo	CHH	-0.0752
Gm12	7039931	7040925	Gmdrm	hypo	CHH	-0.0228
Gm12	7047158	7048150	Gmdrm	hypo	CHH	-0.1003
Gm12	7050193	7051167	Gmdrm	hypo	CHH	-0.1873
Gm12	7051887	7052821	Gmdrm	hypo	CHH	-0.0187
Gm12	7052907	7053900	Gmdrm	hypo	CHH	-0.1896
Gm12	7065838	7066829	Gmdrm	hypo	CHH	-0.0588
Gm12	7070879	7071848	Gmdrm	hypo	CHH	-0.0594
Gm12	7077681	7078678	Gmdrm	hypo	CHH	-0.016
Gm12	7079704	7080703	Gmdrm	hypo	CHH	-0.0232
Gm12	7082274	7083090	Gmdrm	hypo	CHH	-0.0214
Gm12	7087134	7088126	Gmdrm	hypo	CHH	-0.0592
Gm12	7088171	7089170	Gmdrm	hypo	CHH	-0.0435
Gm12	7101135	7102128	Gmdrm	hypo	CHH	-0.0423
Gm12	7105950	7106950	Gmdrm	hypo	CHH	-0.0228
Gm12	7116352	7116894	Gmdrm	hypo	CHH	-0.131
Gm12	7117032	7118015	Gmdrm	hypo	CHH	-0.1086
Gm12	7122080	7123080	Gmdrm	hypo	CHH	-0.0299
Gm12	7123083	7124079	Gmdrm	hypo	CHH	-0.0769
Gm12	7127281	7128276	Gmdrm	hypo	CHH	-0.1354
Gm12	7128284	7129276	Gmdrm	hypo	CHH	-0.1398
Gm12	7131343	7132329	Gmdrm	hypo	CHH	-0.0868
Gm12	7136302	7137287	Gmdrm	hypo	CHH	-0.0149
Gm12	7144468	7144651	Gmdrm	hypo	CHH	-0.0163
Gm12	7146270	7146702	Gmdrm	hypo	CHH	-0.0305
Gm12	7154098	7155098	Gmdrm	hypo	CHH	-0.1089
Gm12	7155101	7156099	Gmdrm	hypo	CHH	-0.0503
Gm12	7167944	7168942	Gmdrm	hypo	CHH	-0.0173
Gm12	7170023	7171016	Gmdrm	hypo	CHH	-0.3139
Gm12	7178446	7179417	Gmdrm	hypo	CHH	-0.0238
Gm12	7185854	7186794	Gmdrm	hypo	CHH	-0.035
Gm12	7206861	7207857	Gmdrm	hypo	CHH	-0.0345
Gm12	7209588	7210583	Gmdrm	hypo	CHH	-0.0465
Gm12	7212621	7213585	Gmdrm	hypo	CHH	-0.0253
Gm12	7215292	7215936	Gmdrm	hypo	CHH	-0.2221
Gm12	7216046	7217043	Gmdrm	hypo	CHH	-0.0182
Gm12	7224139	7225131	Gmdrm	hypo	CHH	-0.0337
Gm12	7288361	7288790	Gmdrm	hypo	CHH	-0.0306
Gm12	7292371	7293369	Gmdrm	hypo	CHH	-0.0502
Gm12	7296394	7297393	Gmdrm	hypo	CHH	-0.0682
Gm12	7297400	7298400	Gmdrm	hypo	CHH	-0.0856
Gm12	7298405	7299399	Gmdrm	hypo	CHH	-0.1326
Gm12	7299409	7300399	Gmdrm	hypo	CHH	-0.0181
Gm12	7304748	7305748	Gmdrm	hypo	CHH	-0.0161
Gm12	7311806	7312806	Gmdrm	hypo	CHH	-0.0184

Gm12	7312807	7313805 Gmdrm	hypo	CHH	-0.1772
Gm12	7317527	7318524 Gmdrm	hypo	CHH	-0.1224
Gm12	7318531	7319407 Gmdrm	hypo	CHH	-0.0821
Gm12	7324433	7325426 Gmdrm	hypo	CHH	-0.0139
Gm12	7343535	7344520 Gmdrm	hypo	CHH	-0.0369
Gm12	7347065	7348038 Gmdrm	hypo	CHH	-0.0197
Gm12	7357351	7358343 Gmdrm	hypo	CHH	-0.0813
Gm12	7370852	7370919 Gmdrm	hypo	CHH	-0.024
Gm12	7372030	7373028 Gmdrm	hypo	CHH	-0.0486
Gm12	7373031	7373352 Gmdrm	hypo	CHH	-0.1347
Gm12	7373454	7374439 Gmdrm	hypo	CHH	-0.0287
Gm12	7376503	7377502 Gmdrm	hypo	CHH	-0.0236
Gm12	7377521	7378516 Gmdrm	hypo	CHH	-0.1213
Gm12	7378527	7379235 Gmdrm	hypo	CHH	-0.1134
Gm12	7389447	7390437 Gmdrm	hypo	CHH	-0.0286
Gm12	7391470	7392163 Gmdrm	hypo	CHH	-0.0725
Gm12	7394457	7395455 Gmdrm	hypo	CHH	-0.0365
Gm12	7399892	7400884 Gmdrm	hypo	CHH	-0.0213
Gm12	7407141	7408114 Gmdrm	hypo	CHH	-0.1267
Gm12	7408165	7409164 Gmdrm	hypo	CHH	-0.0998
Gm12	7413639	7414610 Gmdrm	hypo	CHH	-0.0455
Gm12	7419511	7420493 Gmdrm	hypo	CHH	-0.2276
Gm12	7422202	7423201 Gmdrm	hypo	CHH	-0.0167
Gm12	7424445	7425439 Gmdrm	hypo	CHH	-0.0633
Gm12	7425451	7426441 Gmdrm	hypo	CHH	-0.0585
Gm12	7426454	7427329 Gmdrm	hypo	CHH	-0.03
Gm12	7427431	7428415 Gmdrm	hypo	CHH	-0.0397
Gm12	7428434	7429426 Gmdrm	hypo	CHH	-0.0131
Gm12	7429440	7430422 Gmdrm	hypo	CHH	-0.0162
Gm12	7431475	7432437 Gmdrm	hypo	CHH	-0.0373
Gm12	7434543	7435511 Gmdrm	hypo	CHH	-0.0162
Gm12	7442937	7443931 Gmdrm	hypo	CHH	-0.0124
Gm12	7446941	7447342 Gmdrm	hypo	CHH	-0.0641
Gm12	7451567	7452560 Gmdrm	hypo	CHH	-0.0343
Gm12	7455039	7456020 Gmdrm	hypo	CHH	-0.063
Gm12	7459711	7459798 Gmdrm	hypo	CHH	-0.1584
Gm12	7475433	7475645 Gmdrm	hypo	CHH	-0.0845
Gm12	7482209	7483209 Gmdrm	hypo	CHH	-0.016
Gm12	7483991	7484275 Gmdrm	hypo	CHH	-0.0323
Gm12	7493785	7494785 Gmdrm	hypo	CHH	-0.0435
Gm12	7494788	7495786 Gmdrm	hypo	CHH	-0.1124
Gm12	7496124	7497122 Gmdrm	hypo	CHH	-0.1013
Gm12	7497127	7498126 Gmdrm	hypo	CHH	-0.0969
Gm12	7502150	7503149 Gmdrm	hypo	CHH	-0.083
Gm12	7503157	7503579 Gmdrm	hypo	CHH	-0.0395
Gm12	7508085	7509083 Gmdrm	hypo	CHH	-0.0542

Gm12	7509086	7510078 Gmdrm	hypo	CHH	-0.0242
Gm12	7510091	7511086 Gmdrm	hypo	CHH	-0.0641
Gm12	7520220	7521197 Gmdrm	hypo	CHH	-0.0133
Gm12	7521229	7522228 Gmdrm	hypo	CHH	-0.0478
Gm12	7526238	7527236 Gmdrm	hypo	CHH	-0.0672
Gm12	7541428	7542405 Gmdrm	hypo	CHH	-0.017
Gm12	7560806	7561550 Gmdrm	hypo	CHH	-0.0135
Gm12	7565683	7566259 Gmdrm	hypo	CHH	-0.0953
Gm12	7566478	7567457 Gmdrm	hypo	CHH	-0.0428
Gm12	7572057	7573025 Gmdrm	hypo	CHH	-0.0322
Gm12	7574076	7575076 Gmdrm	hypo	CHH	-0.1237
Gm12	7579126	7579691 Gmdrm	hypo	CHH	-0.0516
Gm12	7581382	7582377 Gmdrm	hypo	CHH	-0.1271
Gm12	7587421	7588420 Gmdrm	hypo	CHH	-0.0933
Gm12	7589085	7590041 Gmdrm	hypo	CHH	-0.0186
Gm12	7592291	7593284 Gmdrm	hypo	CHH	-0.0114
Gm12	7593309	7594305 Gmdrm	hypo	CHH	-0.0294
Gm12	7595324	7595786 Gmdrm	hypo	CHH	-0.0292
Gm12	7596627	7597613 Gmdrm	hypo	CHH	-0.0949
Gm12	7599694	7600689 Gmdrm	hypo	CHH	-0.0632
Gm12	7606960	7607919 Gmdrm	hypo	CHH	-0.1796
Gm12	7608015	7609012 Gmdrm	hypo	CHH	-0.027
Gm12	7627677	7628296 Gmdrm	hypo	CHH	-0.0229
Gm12	7632714	7633713 Gmdrm	hypo	CHH	-0.1195
Gm12	7633715	7633818 Gmdrm	hypo	CHH	-0.373
Gm12	7637912	7638906 Gmdrm	hypo	CHH	-0.0246
Gm12	7639931	7640919 Gmdrm	hypo	CHH	-0.0458
Gm12	7642835	7643827 Gmdrm	hypo	CHH	-0.022
Gm12	7649387	7650385 Gmdrm	hypo	CHH	-0.0865
Gm12	7650388	7651368 Gmdrm	hypo	CHH	-0.0817
Gm12	7651411	7652407 Gmdrm	hypo	CHH	-0.108
Gm12	7652429	7653429 Gmdrm	hypo	CHH	-0.0668
Gm12	7656444	7657298 Gmdrm	hypo	CHH	-0.0989
Gm12	7659721	7660366 Gmdrm	hypo	CHH	-0.0515
Gm12	7668002	7668990 Gmdrm	hypo	CHH	-0.0126
Gm12	7671671	7672653 Gmdrm	hypo	CHH	-0.0138
Gm12	7676956	7677954 Gmdrm	hypo	CHH	-0.1307
Gm12	7679036	7680028 Gmdrm	hypo	CHH	-0.0217
Gm12	7680071	7681065 Gmdrm	hypo	CHH	-0.0771
Gm12	7681111	7682097 Gmdrm	hypo	CHH	-0.1098
Gm12	7682127	7683109 Gmdrm	hypo	CHH	-0.0748
Gm12	7708088	7709087 Gmdrm	hypo	CHH	-0.054
Gm12	7721539	7722530 Gmdrm	hypo	CHH	-0.017
Gm12	7728576	7729563 Gmdrm	hypo	CHH	-0.1535
Gm12	7729875	7730871 Gmdrm	hypo	CHH	-0.0155
Gm12	7735525	7736518 Gmdrm	hypo	CHH	-0.0518

Gm12	7737174	7737525 Gmdrm	hypo	CHH	-0.0186
Gm12	7737628	7738621 Gmdrm	hypo	CHH	-0.0821
Gm12	7745352	7746345 Gmdrm	hypo	CHH	-0.035
Gm12	7746358	7747351 Gmdrm	hypo	CHH	-0.111
Gm12	7747359	7748348 Gmdrm	hypo	CHH	-0.2331
Gm12	7749368	7750339 Gmdrm	hypo	CHH	-0.0224
Gm12	7750420	7751113 Gmdrm	hypo	CHH	-0.1122
Gm12	7751463	7752460 Gmdrm	hypo	CHH	-0.0598
Gm12	7752464	7753401 Gmdrm	hypo	CHH	-0.0564
Gm12	7753533	7754473 Gmdrm	hypo	CHH	-0.1849
Gm12	7771989	7772663 Gmdrm	hypo	CHH	-0.0408
Gm12	7776722	7776948 Gmdrm	hypo	CHH	-0.031
Gm12	7787932	7788930 Gmdrm	hypo	CHH	-0.0671
Gm12	7798293	7799279 Gmdrm	hypo	CHH	-0.0448
Gm12	7805717	7806717 Gmdrm	hypo	CHH	-0.0227
Gm12	7810275	7811268 Gmdrm	hypo	CHH	-0.0265
Gm12	7819128	7819397 Gmdrm	hypo	CHH	-0.0487
Gm12	7826995	7827987 Gmdrm	hypo	CHH	-0.0324
Gm12	7835359	7836337 Gmdrm	hypo	CHH	-0.0259
Gm12	7839176	7840165 Gmdrm	hypo	CHH	-0.0361
Gm12	7840177	7841170 Gmdrm	hypo	CHH	-0.0281
Gm12	7847374	7848209 Gmdrm	hypo	CHH	-0.0974
Gm12	7854576	7855561 Gmdrm	hypo	CHH	-0.0226
Gm12	7866539	7867378 Gmdrm	hypo	CHH	-0.0636
Gm12	7898049	7898848 Gmdrm	hypo	CHH	-0.0259
Gm12	7906163	7907150 Gmdrm	hypo	CHH	-0.0341
Gm12	7917247	7918235 Gmdrm	hypo	CHH	-0.018
Gm12	7918265	7919250 Gmdrm	hypo	CHH	-0.0225
Gm12	7927333	7928318 Gmdrm	hypo	CHH	-0.021
Gm12	7930383	7931370 Gmdrm	hypo	CHH	-0.0265
Gm12	7931385	7932361 Gmdrm	hypo	CHH	-0.0259
Gm12	7938080	7938475 Gmdrm	hypo	CHH	-0.0642
Gm12	7947116	7947363 Gmdrm	hypo	CHH	-0.0475
Gm12	7947483	7948481 Gmdrm	hypo	CHH	-0.0186
Gm12	7953427	7953587 Gmdrm	hypo	CHH	-0.0714
Gm12	7976011	7976224 Gmdrm	hypo	CHH	-0.05
Gm12	7993915	7994915 Gmdrm	hypo	CHH	-0.0118
Gm12	7994925	7995920 Gmdrm	hypo	CHH	-0.0096
Gm12	7995971	7996964 Gmdrm	hypo	CHH	-0.0606
Gm12	7998016	7999016 Gmdrm	hypo	CHH	-0.0208
Gm12	7999028	8000019 Gmdrm	hypo	CHH	-0.0676
Gm12	8001088	8002082 Gmdrm	hypo	CHH	-0.0978
Gm12	8002089	8003084 Gmdrm	hypo	CHH	-0.0537
Gm12	8003094	8003915 Gmdrm	hypo	CHH	-0.2138
Gm12	8009487	8010216 Gmdrm	hypo	CHH	-0.072
Gm12	8011885	8012879 Gmdrm	hypo	CHH	-0.0387

Gm12	8019611	8020594	Gmdrm	hypo	CHH	-0.0181
Gm12	8027178	8028155	Gmdrm	hypo	CHH	-0.2069
Gm12	8035602	8036585	Gmdrm	hypo	CHH	-0.057
Gm12	8036603	8037593	Gmdrm	hypo	CHH	-0.0679
Gm12	8037608	8038605	Gmdrm	hypo	CHH	-0.0455
Gm12	8045504	8046483	Gmdrm	hypo	CHH	-0.017
Gm12	8049589	8050578	Gmdrm	hypo	CHH	-0.0291
Gm12	8057362	8058355	Gmdrm	hypo	CHH	-0.0108
Gm12	8060388	8061379	Gmdrm	hypo	CHH	-0.0189
Gm12	8078197	8079176	Gmdrm	hypo	CHH	-0.0143
Gm12	8081279	8082258	Gmdrm	hypo	CHH	-0.0183
Gm12	8083305	8084301	Gmdrm	hypo	CHH	-0.048
Gm12	8084307	8085194	Gmdrm	hypo	CHH	-0.0472
Gm12	8091201	8092034	Gmdrm	hypo	CHH	-0.0261
Gm12	8096414	8097397	Gmdrm	hypo	CHH	-0.0615
Gm12	8097423	8098406	Gmdrm	hypo	CHH	-0.0247
Gm12	8105452	8106138	Gmdrm	hypo	CHH	-0.0469
Gm12	8106461	8107438	Gmdrm	hypo	CHH	-0.0535
Gm12	8107514	8108255	Gmdrm	hypo	CHH	-0.0403
Gm12	8113921	8114506	Gmdrm	hypo	CHH	-0.056
Gm12	8123448	8124409	Gmdrm	hypo	CHH	-0.1627
Gm12	8125469	8126468	Gmdrm	hypo	CHH	-0.0649
Gm12	8138976	8139976	Gmdrm	hypo	CHH	-0.0299
Gm12	8159954	8160915	Gmdrm	hypo	CHH	-0.02
Gm12	8163569	8164555	Gmdrm	hypo	CHH	-0.0508
Gm12	8175850	8176850	Gmdrm	hypo	CHH	-0.0203
Gm12	8176856	8177785	Gmdrm	hypo	CHH	-0.163
Gm12	8219609	8220607	Gmdrm	hypo	CHH	-0.0605
Gm12	8223632	8224614	Gmdrm	hypo	CHH	-0.1256
Gm12	8230673	8231653	Gmdrm	hypo	CHH	-0.0763
Gm12	8252312	8253306	Gmdrm	hypo	CHH	-0.07
Gm12	8258344	8259343	Gmdrm	hypo	CHH	-0.0974
Gm12	8259345	8259549	Gmdrm	hypo	CHH	-0.1787
Gm12	8263039	8263802	Gmdrm	hypo	CHH	-0.0145
Gm12	8301854	8302844	Gmdrm	hypo	CHH	-0.017
Gm12	8306620	8307616	Gmdrm	hypo	CHH	-0.0758
Gm12	8316058	8317055	Gmdrm	hypo	CHH	-0.0634
Gm12	8319610	8320574	Gmdrm	hypo	CHH	-0.1335
Gm12	8321917	8322904	Gmdrm	hypo	CHH	-0.0254
Gm12	8325335	8326323	Gmdrm	hypo	CHH	-0.0107
Gm12	8364816	8365814	Gmdrm	hypo	CHH	-0.0652
Gm12	8382567	8382687	Gmdrm	hypo	CHH	-0.1376
Gm12	8383436	8383755	Gmdrm	hypo	CHH	-0.094
Gm12	8385149	8386128	Gmdrm	hypo	CHH	-0.0912
Gm12	8387425	8388384	Gmdrm	hypo	CHH	-0.1139
Gm12	8393426	8394182	Gmdrm	hypo	CHH	-0.0624

Gm12	8415396	8416396 Gmdrm	hypo	CHH	-0.0499
Gm12	8416399	8417397 Gmdrm	hypo	CHH	-0.0912
Gm12	8417430	8418418 Gmdrm	hypo	CHH	-0.053
Gm12	8422987	8423977 Gmdrm	hypo	CHH	-0.0132
Gm12	8423991	8424964 Gmdrm	hypo	CHH	-0.0162
Gm12	8434873	8435852 Gmdrm	hypo	CHH	-0.0116
Gm12	8441745	8442739 Gmdrm	hypo	CHH	-0.0638
Gm12	8446670	8447641 Gmdrm	hypo	CHH	-0.0414
Gm12	8447685	8448678 Gmdrm	hypo	CHH	-0.0114
Gm12	8451113	8451303 Gmdrm	hypo	CHH	-0.0366
Gm12	8452567	8453565 Gmdrm	hypo	CHH	-0.0968
Gm12	8459776	8460757 Gmdrm	hypo	CHH	-0.1011
Gm12	8468656	8469655 Gmdrm	hypo	CHH	-0.0328
Gm12	8476648	8477646 Gmdrm	hypo	CHH	-0.049
Gm12	8477654	8478652 Gmdrm	hypo	CHH	-0.0595
Gm12	8479656	8480652 Gmdrm	hypo	CHH	-0.096
Gm12	8480713	8481690 Gmdrm	hypo	CHH	-0.0168
Gm12	8489353	8490023 Gmdrm	hypo	CHH	-0.0927
Gm12	8490206	8491161 Gmdrm	hypo	CHH	-0.1366
Gm12	8494278	8495278 Gmdrm	hypo	CHH	-0.0194
Gm12	8497195	8498193 Gmdrm	hypo	CHH	-0.2218
Gm12	8498196	8499192 Gmdrm	hypo	CHH	-0.1328
Gm12	8501266	8501948 Gmdrm	hypo	CHH	-0.0704
Gm12	8522157	8523154 Gmdrm	hypo	CHH	-0.1347
Gm12	8524167	8525166 Gmdrm	hypo	CHH	-0.0554
Gm12	8547952	8548948 Gmdrm	hypo	CHH	-0.0546
Gm12	8548968	8549968 Gmdrm	hypo	CHH	-0.0623
Gm12	8549989	8550551 Gmdrm	hypo	CHH	-0.0293
Gm12	8560202	8561195 Gmdrm	hypo	CHH	-0.0131
Gm12	8566227	8567220 Gmdrm	hypo	CHH	-0.0194
Gm12	8567234	8568218 Gmdrm	hypo	CHH	-0.0332
Gm12	8568244	8569219 Gmdrm	hypo	CHH	-0.0236
Gm12	8576424	8577415 Gmdrm	hypo	CHH	-0.0198
Gm12	8584144	8585144 Gmdrm	hypo	CHH	-0.0153
Gm12	8585154	8586093 Gmdrm	hypo	CHH	-0.0559
Gm12	8587168	8588108 Gmdrm	hypo	CHH	-0.0198
Gm12	8588513	8589502 Gmdrm	hypo	CHH	-0.1272
Gm12	8593529	8594512 Gmdrm	hypo	CHH	-0.092
Gm12	8616965	8617917 Gmdrm	hypo	CHH	-0.0446
Gm12	8626839	8627818 Gmdrm	hypo	CHH	-0.0333
Gm12	8629574	8630574 Gmdrm	hypo	CHH	-0.0457
Gm12	8630578	8631571 Gmdrm	hypo	CHH	-0.016
Gm12	8639445	8640405 Gmdrm	hypo	CHH	-0.0578
Gm12	8647602	8648600 Gmdrm	hypo	CHH	-0.0992
Gm12	8649344	8650340 Gmdrm	hypo	CHH	-0.0208
Gm12	8657972	8658963 Gmdrm	hypo	CHH	-0.0828

Gm12	8659745	8660743 Gmdrm	hypo	CHH	-0.1145
Gm12	8660749	8661142 Gmdrm	hypo	CHH	-0.0461
Gm12	8698226	8698838 Gmdrm	hypo	CHH	-0.0448
Gm12	8703899	8704898 Gmdrm	hypo	CHH	-0.027
Gm12	8711116	8712080 Gmdrm	hypo	CHH	-0.0204
Gm12	8714147	8715134 Gmdrm	hypo	CHH	-0.0412
Gm12	8715161	8716157 Gmdrm	hypo	CHH	-0.0179
Gm12	8716168	8717155 Gmdrm	hypo	CHH	-0.0481
Gm12	8737494	8738476 Gmdrm	hypo	CHH	-0.0514
Gm12	8743344	8744342 Gmdrm	hypo	CHH	-0.019
Gm12	8744349	8745315 Gmdrm	hypo	CHH	-0.0191
Gm12	8746371	8746606 Gmdrm	hypo	CHH	-0.02
Gm12	8751530	8752405 Gmdrm	hypo	CHH	-0.0117
Gm12	8756097	8757089 Gmdrm	hypo	CHH	-0.0685
Gm12	8757102	8757564 Gmdrm	hypo	CHH	-0.1751
Gm12	8757909	8758907 Gmdrm	hypo	CHH	-0.03
Gm12	8766674	8767668 Gmdrm	hypo	CHH	-0.1719
Gm12	8767741	8768723 Gmdrm	hypo	CHH	-0.1129
Gm12	8781351	8782345 Gmdrm	hypo	CHH	-0.014
Gm12	8783385	8784379 Gmdrm	hypo	CHH	-0.014
Gm12	8785401	8786366 Gmdrm	hypo	CHH	-0.0296
Gm12	8796312	8797310 Gmdrm	hypo	CHH	-0.0992
Gm12	8797352	8798347 Gmdrm	hypo	CHH	-0.0299
Gm12	8813636	8814626 Gmdrm	hypo	CHH	-0.0151
Gm12	8814637	8815600 Gmdrm	hypo	CHH	-0.0288
Gm12	8844314	8845300 Gmdrm	hypo	CHH	-0.0299
Gm12	8850822	8851353 Gmdrm	hypo	CHH	-0.2057
Gm12	8871232	8872194 Gmdrm	hypo	CHH	-0.0367
Gm12	8885737	8886709 Gmdrm	hypo	CHH	-0.0191
Gm12	8894699	8894920 Gmdrm	hypo	CHH	-0.053
Gm12	8900126	8901114 Gmdrm	hypo	CHH	-0.0223
Gm12	8901129	8902020 Gmdrm	hypo	CHH	-0.0418
Gm12	8905127	8906123 Gmdrm	hypo	CHH	-0.1539
Gm12	8910105	8911104 Gmdrm	hypo	CHH	-0.1753
Gm12	8949364	8950360 Gmdrm	hypo	CHH	-0.0592
Gm12	8962087	8963087 Gmdrm	hypo	CHH	-0.0535
Gm12	8963095	8964084 Gmdrm	hypo	CHH	-0.0889
Gm12	8965671	8965988 Gmdrm	hypo	CHH	-0.0278
Gm12	8967800	8968780 Gmdrm	hypo	CHH	-0.0506
Gm12	8979064	8979591 Gmdrm	hypo	CHH	-0.0325
Gm12	8987453	8988395 Gmdrm	hypo	CHH	-0.0117
Gm12	8988938	8989910 Gmdrm	hypo	CHH	-0.1262
Gm12	8989946	8990826 Gmdrm	hypo	CHH	-0.0187
Gm12	8990948	8991751 Gmdrm	hypo	CHH	-0.0268
Gm12	8998813	8999809 Gmdrm	hypo	CHH	-0.0533
Gm12	8999830	9000823 Gmdrm	hypo	CHH	-0.0447

Gm12	9000851	9001839	Gmdrm	hypo	CHH	-0.0185
Gm12	9002954	9003100	Gmdrm	hypo	CHH	-0.1974
Gm12	9021171	9022171	Gmdrm	hypo	CHH	-0.0504
Gm12	9048590	9049575	Gmdrm	hypo	CHH	-0.0676
Gm12	9052662	9053631	Gmdrm	hypo	CHH	-0.0116
Gm12	9067626	9068548	Gmdrm	hypo	CHH	-0.0415
Gm12	9071081	9072072	Gmdrm	hypo	CHH	-0.0717
Gm12	9072089	9072873	Gmdrm	hypo	CHH	-0.0275
Gm12	9085437	9086436	Gmdrm	hypo	CHH	-0.0626
Gm12	9092134	9093134	Gmdrm	hypo	CHH	-0.0913
Gm12	9093136	9094084	Gmdrm	hypo	CHH	-0.1978
Gm12	9112510	9113498	Gmdrm	hypo	CHH	-0.2524
Gm12	9120494	9121488	Gmdrm	hypo	CHH	-0.0219
Gm12	9128296	9129290	Gmdrm	hypo	CHH	-0.0547
Gm12	9129309	9129364	Gmdrm	hypo	CHH	-0.03
Gm12	9132509	9133123	Gmdrm	hypo	CHH	-0.094
Gm12	9134047	9134993	Gmdrm	hypo	CHH	-0.0236
Gm12	9135049	9136039	Gmdrm	hypo	CHH	-0.0196
Gm12	9139062	9140058	Gmdrm	hypo	CHH	-0.1034
Gm12	9140063	9140994	Gmdrm	hypo	CHH	-0.1169
Gm12	9147421	9148410	Gmdrm	hypo	CHH	-0.025
Gm12	9148773	9149499	Gmdrm	hypo	CHH	-0.0439
Gm12	9149669	9150040	Gmdrm	hypo	CHH	-0.0848
Gm12	9150256	9151216	Gmdrm	hypo	CHH	-0.0859
Gm12	9158750	9159748	Gmdrm	hypo	CHH	-0.1324
Gm12	9159762	9160293	Gmdrm	hypo	CHH	-0.0422
Gm12	9161960	9162955	Gmdrm	hypo	CHH	-0.0817
Gm12	9165615	9166015	Gmdrm	hypo	CHH	-0.0372
Gm12	9166289	9167289	Gmdrm	hypo	CHH	-0.0227
Gm12	9167290	9168286	Gmdrm	hypo	CHH	-0.0478
Gm12	9168311	9169302	Gmdrm	hypo	CHH	-0.0434
Gm12	9169322	9170317	Gmdrm	hypo	CHH	-0.3035
Gm12	9179397	9180395	Gmdrm	hypo	CHH	-0.0491
Gm12	9196537	9197531	Gmdrm	hypo	CHH	-0.112
Gm12	9197557	9198478	Gmdrm	hypo	CHH	-0.069
Gm12	9207425	9208408	Gmdrm	hypo	CHH	-0.0273
Gm12	9213978	9214942	Gmdrm	hypo	CHH	-0.0539
Gm12	9216007	9216821	Gmdrm	hypo	CHH	-0.0713
Gm12	9216925	9217923	Gmdrm	hypo	CHH	-0.0431
Gm12	9221699	9222638	Gmdrm	hypo	CHH	-0.0118
Gm12	9227805	9228803	Gmdrm	hypo	CHH	-0.0437
Gm12	9228809	9229807	Gmdrm	hypo	CHH	-0.0191
Gm12	9230829	9231818	Gmdrm	hypo	CHH	-0.0606
Gm12	9231831	9232829	Gmdrm	hypo	CHH	-0.0342
Gm12	9232834	9233834	Gmdrm	hypo	CHH	-0.1897
Gm12	9233838	9234836	Gmdrm	hypo	CHH	-0.1346

Gm12	9236889	9237878 Gmdrm	hypo	CHH	-0.014
Gm12	9241079	9242068 Gmdrm	hypo	CHH	-0.0189
Gm12	9242093	9243056 Gmdrm	hypo	CHH	-0.2089
Gm12	9246143	9247141 Gmdrm	hypo	CHH	-0.0231
Gm12	9247148	9248145 Gmdrm	hypo	CHH	-0.0699
Gm12	9250194	9251190 Gmdrm	hypo	CHH	-0.0314
Gm12	9259579	9259810 Gmdrm	hypo	CHH	-0.037
Gm12	9262095	9263047 Gmdrm	hypo	CHH	-0.0319
Gm12	9264103	9264549 Gmdrm	hypo	CHH	-0.0335
Gm12	9270630	9271630 Gmdrm	hypo	CHH	-0.0953
Gm12	9271633	9272633 Gmdrm	hypo	CHH	-0.0268
Gm12	9272636	9273606 Gmdrm	hypo	CHH	-0.0288
Gm12	9273646	9274611 Gmdrm	hypo	CHH	-0.0192
Gm12	9275859	9276190 Gmdrm	hypo	CHH	-0.02
Gm12	9277302	9277992 Gmdrm	hypo	CHH	-0.2231
Gm12	9280303	9281299 Gmdrm	hypo	CHH	-0.0796
Gm12	9281316	9282313 Gmdrm	hypo	CHH	-0.1034
Gm12	9282331	9283325 Gmdrm	hypo	CHH	-0.0376
Gm12	9283337	9283987 Gmdrm	hypo	CHH	-0.04
Gm12	9289737	9290731 Gmdrm	hypo	CHH	-0.0263
Gm12	9305171	9305419 Gmdrm	hypo	CHH	-0.4178
Gm12	9305660	9306076 Gmdrm	hypo	CHH	-0.2544
Gm12	9306183	9307182 Gmdrm	hypo	CHH	-0.1161
Gm12	9307188	9308168 Gmdrm	hypo	CHH	-0.082
Gm12	9325202	9325962 Gmdrm	hypo	CHH	-0.0344
Gm12	9332242	9333229 Gmdrm	hypo	CHH	-0.1152
Gm12	9333250	9334250 Gmdrm	hypo	CHH	-0.0182
Gm12	9335264	9336241 Gmdrm	hypo	CHH	-0.041
Gm12	9343744	9344743 Gmdrm	hypo	CHH	-0.0585
Gm12	9346133	9347125 Gmdrm	hypo	CHH	-0.0865
Gm12	9347145	9348144 Gmdrm	hypo	CHH	-0.0653
Gm12	9358261	9359261 Gmdrm	hypo	CHH	-0.0235
Gm12	9359263	9360256 Gmdrm	hypo	CHH	-0.0443
Gm12	9362923	9363922 Gmdrm	hypo	CHH	-0.0325
Gm12	9363928	9364924 Gmdrm	hypo	CHH	-0.0485
Gm12	9366951	9367950 Gmdrm	hypo	CHH	-0.0222
Gm12	9379573	9380564 Gmdrm	hypo	CHH	-0.0209
Gm12	9380599	9381592 Gmdrm	hypo	CHH	-0.078
Gm12	9381602	9382601 Gmdrm	hypo	CHH	-0.0406
Gm12	9401418	9402402 Gmdrm	hypo	CHH	-0.2852
Gm12	9454200	9454431 Gmdrm	hypo	CHH	-0.0227
Gm12	9455645	9456605 Gmdrm	hypo	CHH	-0.0151
Gm12	9457682	9458680 Gmdrm	hypo	CHH	-0.0273
Gm12	9463734	9464725 Gmdrm	hypo	CHH	-0.0403
Gm12	9464737	9465733 Gmdrm	hypo	CHH	-0.0715
Gm12	9468776	9469754 Gmdrm	hypo	CHH	-0.0388

Gm12	9470840	9471812 Gmdrm	hypo	CHH	-0.02
Gm12	9493967	9494967 Gmdrm	hypo	CHH	-0.0357
Gm12	9515981	9516518 Gmdrm	hypo	CHH	-0.0718
Gm12	9537174	9538173 Gmdrm	hypo	CHH	-0.0819
Gm12	9549556	9550543 Gmdrm	hypo	CHH	-0.0726
Gm12	9551789	9552781 Gmdrm	hypo	CHH	-0.0417
Gm12	9573813	9574804 Gmdrm	hypo	CHH	-0.0499
Gm12	9581285	9582284 Gmdrm	hypo	CHH	-0.0271
Gm12	9584476	9585473 Gmdrm	hypo	CHH	-0.0534
Gm12	9585482	9585911 Gmdrm	hypo	CHH	-0.0796
Gm12	9603637	9604629 Gmdrm	hypo	CHH	-0.0633
Gm12	9604640	9605639 Gmdrm	hypo	CHH	-0.1066
Gm12	9608882	9609882 Gmdrm	hypo	CHH	-0.0582
Gm12	9611908	9612902 Gmdrm	hypo	CHH	-0.0207
Gm12	9617456	9618435 Gmdrm	hypo	CHH	-0.0156
Gm12	9623194	9624180 Gmdrm	hypo	CHH	-0.0124
Gm12	9627323	9628302 Gmdrm	hypo	CHH	-0.0836
Gm12	9638244	9639069 Gmdrm	hypo	CHH	-0.0226
Gm12	9640200	9640550 Gmdrm	hypo	CHH	-0.0242
Gm12	9643841	9644825 Gmdrm	hypo	CHH	-0.1692
Gm12	9659999	9660743 Gmdrm	hypo	CHH	-0.0552
Gm12	9678639	9679629 Gmdrm	hypo	CHH	-0.1083
Gm12	9680668	9680980 Gmdrm	hypo	CHH	-0.0562
Gm12	9681177	9682146 Gmdrm	hypo	CHH	-0.0276
Gm12	9682182	9683180 Gmdrm	hypo	CHH	-0.0708
Gm12	9705166	9706153 Gmdrm	hypo	CHH	-0.0333
Gm12	9708217	9709182 Gmdrm	hypo	CHH	-0.0221
Gm12	9719860	9720858 Gmdrm	hypo	CHH	-0.05
Gm12	9733726	9734722 Gmdrm	hypo	CHH	-0.0521
Gm12	9747529	9748437 Gmdrm	hypo	CHH	-0.0621
Gm12	9750551	9751547 Gmdrm	hypo	CHH	-0.051
Gm12	9751559	9752552 Gmdrm	hypo	CHH	-0.0372
Gm12	9754202	9755193 Gmdrm	hypo	CHH	-0.0394
Gm12	9755211	9756168 Gmdrm	hypo	CHH	-0.0432
Gm12	9758251	9759249 Gmdrm	hypo	CHH	-0.0266
Gm12	9762990	9763985 Gmdrm	hypo	CHH	-0.0858
Gm12	9770245	9771236 Gmdrm	hypo	CHH	-0.0315
Gm12	9776846	9776869 Gmdrm	hypo	CHH	-0.056
Gm12	9783741	9784733 Gmdrm	hypo	CHH	-0.0215
Gm12	9784743	9785706 Gmdrm	hypo	CHH	-0.0414
Gm12	9788820	9789627 Gmdrm	hypo	CHH	-0.014
Gm12	9803000	9803447 Gmdrm	hypo	CHH	-0.0517
Gm12	9823262	9824262 Gmdrm	hypo	CHH	-0.0751
Gm12	9827063	9828055 Gmdrm	hypo	CHH	-0.0194
Gm12	9850049	9851049 Gmdrm	hypo	CHH	-0.0536
Gm12	9851052	9852036 Gmdrm	hypo	CHH	-0.076

Gm12	9854558	9855522 Gmdrm	hypo	CHH	-0.1252
Gm12	9872960	9873959 Gmdrm	hypo	CHH	-0.0382
Gm12	9902872	9903865 Gmdrm	hypo	CHH	-0.0155
Gm12	9914071	9914368 Gmdrm	hypo	CHH	-0.03
Gm12	9914477	9915474 Gmdrm	hypo	CHH	-0.2125
Gm12	9915487	9915791 Gmdrm	hypo	CHH	-0.1539
Gm12	9928506	9929476 Gmdrm	hypo	CHH	-0.0223
Gm12	9932439	9933421 Gmdrm	hypo	CHH	-0.013
Gm12	9936866	9937859 Gmdrm	hypo	CHH	-0.043
Gm12	9946374	9947355 Gmdrm	hypo	CHH	-0.0223
Gm12	9947470	9948449 Gmdrm	hypo	CHH	-0.0337
Gm12	9951903	9952903 Gmdrm	hypo	CHH	-0.0164
Gm12	9966575	9967571 Gmdrm	hypo	CHH	-0.0495
Gm12	9971786	9972778 Gmdrm	hypo	CHH	-0.0259
Gm12	9975947	9976019 Gmdrm	hypo	CHH	-0.05
Gm12	9979182	9979319 Gmdrm	hypo	CHH	-0.071
Gm12	9998032	9998533 Gmdrm	hypo	CHH	-0.1264
Gm12	10027648	10028164 Gmdrm	hypo	CHH	-0.0268
Gm12	10032172	10033168 Gmdrm	hypo	CHH	-0.0504
Gm12	10042303	10042633 Gmdrm	hypo	CHH	-0.0509
Gm12	10042739	10043358 Gmdrm	hypo	CHH	-0.0223
Gm12	10043813	10044810 Gmdrm	hypo	CHH	-0.039
Gm12	10044820	10045809 Gmdrm	hypo	CHH	-0.0576
Gm12	10046844	10047833 Gmdrm	hypo	CHH	-0.0403
Gm12	10048883	10049882 Gmdrm	hypo	CHH	-0.0243
Gm12	10049889	10050878 Gmdrm	hypo	CHH	-0.0554
Gm12	10050896	10051896 Gmdrm	hypo	CHH	-0.0293
Gm12	10051899	10052893 Gmdrm	hypo	CHH	-0.0299
Gm12	10055956	10056951 Gmdrm	hypo	CHH	-0.0652
Gm12	10056968	10057968 Gmdrm	hypo	CHH	-0.0435
Gm12	10066017	10067017 Gmdrm	hypo	CHH	-0.0327
Gm12	10068888	10069148 Gmdrm	hypo	CHH	-0.0317
Gm12	10070283	10071212 Gmdrm	hypo	CHH	-0.0196
Gm12	10072326	10073098 Gmdrm	hypo	CHH	-0.0121
Gm12	10074392	10075389 Gmdrm	hypo	CHH	-0.033
Gm12	10075409	10076392 Gmdrm	hypo	CHH	-0.0314
Gm12	10079432	10080432 Gmdrm	hypo	CHH	-0.0163
Gm12	10080436	10081432 Gmdrm	hypo	CHH	-0.0587
Gm12	10081439	10082374 Gmdrm	hypo	CHH	-0.0787
Gm12	10184002	10184989 Gmdrm	hypo	CHH	-0.0699
Gm12	10188668	10189664 Gmdrm	hypo	CHH	-0.0996
Gm12	10220736	10221102 Gmdrm	hypo	CHH	-0.0132
Gm12	10221204	10222203 Gmdrm	hypo	CHH	-0.0284
Gm12	10224704	10225703 Gmdrm	hypo	CHH	-0.0726
Gm12	10229348	10230345 Gmdrm	hypo	CHH	-0.0729
Gm12	10241432	10241768 Gmdrm	hypo	CHH	-0.0763

Gm12	10261119	10262105	Gmdrm	hypo	CHH	-0.0374
Gm12	10262121	10263086	Gmdrm	hypo	CHH	-0.0441
Gm12	10300560	10301554	Gmdrm	hypo	CHH	-0.1854
Gm12	10301561	10302560	Gmdrm	hypo	CHH	-0.0685
Gm12	10308717	10308909	Gmdrm	hypo	CHH	-0.0315
Gm12	10309022	10310008	Gmdrm	hypo	CHH	-0.1364
Gm12	10314378	10315348	Gmdrm	hypo	CHH	-0.0249
Gm12	10317417	10318414	Gmdrm	hypo	CHH	-0.0665
Gm12	10345178	10345244	Gmdrm	hypo	CHH	-0.042
Gm12	10359746	10360421	Gmdrm	hypo	CHH	-0.0296
Gm12	10373262	10374248	Gmdrm	hypo	CHH	-0.0193
Gm12	10375268	10376112	Gmdrm	hypo	CHH	-0.1372
Gm12	10383495	10384495	Gmdrm	hypo	CHH	-0.0738
Gm12	10384499	10384834	Gmdrm	hypo	CHH	-0.09
Gm12	10385990	10386981	Gmdrm	hypo	CHH	-0.0139
Gm12	10398344	10399340	Gmdrm	hypo	CHH	-0.0219
Gm12	10399366	10400364	Gmdrm	hypo	CHH	-0.0214
Gm12	10456087	10457086	Gmdrm	hypo	CHH	-0.0434
Gm12	10457089	10458082	Gmdrm	hypo	CHH	-0.0267
Gm12	10458092	10459091	Gmdrm	hypo	CHH	-0.0701
Gm12	10467016	10468009	Gmdrm	hypo	CHH	-0.017
Gm12	10490373	10490422	Gmdrm	hypo	CHH	-0.068
Gm12	10496602	10497590	Gmdrm	hypo	CHH	-0.0125
Gm12	10501705	10502693	Gmdrm	hypo	CHH	-0.0128
Gm12	10513257	10514253	Gmdrm	hypo	CHH	-0.0263
Gm12	10514265	10515265	Gmdrm	hypo	CHH	-0.0253
Gm12	10515267	10515567	Gmdrm	hypo	CHH	-0.0215
Gm12	10520253	10521252	Gmdrm	hypo	CHH	-0.0681
Gm12	10521261	10521794	Gmdrm	hypo	CHH	-0.0529
Gm12	10530287	10531286	Gmdrm	hypo	CHH	-0.0465
Gm12	10538591	10539590	Gmdrm	hypo	CHH	-0.0739
Gm12	10540211	10540783	Gmdrm	hypo	CHH	-0.0355
Gm12	10541215	10542206	Gmdrm	hypo	CHH	-0.0163
Gm12	10547663	10548635	Gmdrm	hypo	CHH	-0.0525
Gm12	10555537	10556534	Gmdrm	hypo	CHH	-0.041
Gm12	10556539	10557529	Gmdrm	hypo	CHH	-0.0663
Gm12	10557552	10557790	Gmdrm	hypo	CHH	-0.0836
Gm12	10558522	10559520	Gmdrm	hypo	CHH	-0.0178
Gm12	10562695	10563300	Gmdrm	hypo	CHH	-0.0521
Gm12	10579995	10580993	Gmdrm	hypo	CHH	-0.0325
Gm12	10580999	10581471	Gmdrm	hypo	CHH	-0.0707
Gm12	10581758	10582492	Gmdrm	hypo	CHH	-0.0675
Gm12	10582654	10583225	Gmdrm	hypo	CHH	-0.0541
Gm12	10584364	10585313	Gmdrm	hypo	CHH	-0.0487
Gm12	10596314	10597308	Gmdrm	hypo	CHH	-0.0192
Gm12	10621425	10622371	Gmdrm	hypo	CHH	-0.0142

Gm12	10632792	10633782	Gmdrm	hypo	CHH	-0.1038
Gm12	10633822	10634822	Gmdrm	hypo	CHH	-0.0642
Gm12	10634825	10635823	Gmdrm	hypo	CHH	-0.042
Gm12	10667744	10668720	Gmdrm	hypo	CHH	-0.0134
Gm12	10670779	10671664	Gmdrm	hypo	CHH	-0.0463
Gm12	10671766	10672645	Gmdrm	hypo	CHH	-0.0304
Gm12	10743206	10743666	Gmdrm	hypo	CHH	-0.0914
Gm12	10749823	10750789	Gmdrm	hypo	CHH	-0.0561
Gm12	10750825	10751813	Gmdrm	hypo	CHH	-0.1365
Gm12	10767402	10768346	Gmdrm	hypo	CHH	-0.0681
Gm12	10768409	10769409	Gmdrm	hypo	CHH	-0.072
Gm12	10772631	10772735	Gmdrm	hypo	CHH	-0.0543
Gm12	10779027	10780005	Gmdrm	hypo	CHH	-0.0121
Gm12	10784237	10784786	Gmdrm	hypo	CHH	-0.0341
Gm12	10789466	10790466	Gmdrm	hypo	CHH	-0.0189
Gm12	10809895	10810104	Gmdrm	hypo	CHH	-0.039
Gm12	10812780	10813629	Gmdrm	hypo	CHH	-0.0113
Gm12	10815463	10816444	Gmdrm	hypo	CHH	-0.0755
Gm12	10828609	10829608	Gmdrm	hypo	CHH	-0.1034
Gm12	10829613	10830550	Gmdrm	hypo	CHH	-0.0312
Gm12	10833210	10834189	Gmdrm	hypo	CHH	-0.0171
Gm12	10834225	10835219	Gmdrm	hypo	CHH	-0.0203
Gm12	10835634	10836610	Gmdrm	hypo	CHH	-0.045
Gm12	10838900	10839858	Gmdrm	hypo	CHH	-0.1382
Gm12	10841056	10841951	Gmdrm	hypo	CHH	-0.2985
Gm12	10842774	10843774	Gmdrm	hypo	CHH	-0.1967
Gm12	10843777	10844774	Gmdrm	hypo	CHH	-0.0839
Gm12	10851761	10852760	Gmdrm	hypo	CHH	-0.0123
Gm12	10877402	10878402	Gmdrm	hypo	CHH	-0.1337
Gm12	10878403	10879400	Gmdrm	hypo	CHH	-0.1142
Gm12	10885990	10886973	Gmdrm	hypo	CHH	-0.0082
Gm12	10897097	10898096	Gmdrm	hypo	CHH	-0.0599
Gm12	10924137	10925137	Gmdrm	hypo	CHH	-0.0359
Gm12	10925144	10926136	Gmdrm	hypo	CHH	-0.0224
Gm12	10928848	10929695	Gmdrm	hypo	CHH	-0.0128
Gm12	10930834	10931827	Gmdrm	hypo	CHH	-0.1118
Gm12	10964990	10965990	Gmdrm	hypo	CHH	-0.0365
Gm12	10968038	10969037	Gmdrm	hypo	CHH	-0.0147
Gm12	10971051	10972051	Gmdrm	hypo	CHH	-0.1501
Gm12	10972052	10973047	Gmdrm	hypo	CHH	-0.0641
Gm12	10973057	10973703	Gmdrm	hypo	CHH	-0.0827
Gm12	10973993	10974992	Gmdrm	hypo	CHH	-0.0768
Gm12	10975998	10976296	Gmdrm	hypo	CHH	-0.0685
Gm12	10976541	10977537	Gmdrm	hypo	CHH	-0.0376
Gm12	10977547	10978536	Gmdrm	hypo	CHH	-0.0471
Gm12	10978550	10978802	Gmdrm	hypo	CHH	-0.1156

Gm12	10983984	10984076	Gmdrm	hypo	CHH	-0.044
Gm12	10984177	10985120	Gmdrm	hypo	CHH	-0.1133
Gm12	11003472	11004456	Gmdrm	hypo	CHH	-0.0217
Gm12	11031200	11032194	Gmdrm	hypo	CHH	-0.049
Gm12	11037372	11037432	Gmdrm	hypo	CHH	-0.05
Gm12	11040323	11041323	Gmdrm	hypo	CHH	-0.2955
Gm12	11041324	11041487	Gmdrm	hypo	CHH	-0.1397
Gm12	11041667	11042164	Gmdrm	hypo	CHH	-0.0689
Gm12	11047291	11048260	Gmdrm	hypo	CHH	-0.0238
Gm12	11052303	11053289	Gmdrm	hypo	CHH	-0.029
Gm12	11055589	11056558	Gmdrm	hypo	CHH	-0.013
Gm12	11058080	11058907	Gmdrm	hypo	CHH	-0.0454
Gm12	11060908	11061868	Gmdrm	hypo	CHH	-0.0342
Gm12	11061919	11062903	Gmdrm	hypo	CHH	-0.0872
Gm12	11099908	11100907	Gmdrm	hypo	CHH	-0.0159
Gm12	11110232	11110940	Gmdrm	hypo	CHH	-0.2198
Gm12	11111973	11112963	Gmdrm	hypo	CHH	-0.0441
Gm12	11114891	11115788	Gmdrm	hypo	CHH	-0.019
Gm12	11118893	11119849	Gmdrm	hypo	CHH	-0.0408
Gm12	11119913	11120905	Gmdrm	hypo	CHH	-0.0814
Gm12	11121931	11122873	Gmdrm	hypo	CHH	-0.0421
Gm12	11122950	11123910	Gmdrm	hypo	CHH	-0.2622
Gm12	11127861	11128324	Gmdrm	hypo	CHH	-0.0297
Gm12	11137035	11137546	Gmdrm	hypo	CHH	-0.0209
Gm12	11143253	11144247	Gmdrm	hypo	CHH	-0.0183
Gm12	11146634	11147601	Gmdrm	hypo	CHH	-0.0298
Gm12	11148617	11149604	Gmdrm	hypo	CHH	-0.1626
Gm12	11149618	11150588	Gmdrm	hypo	CHH	-0.1172
Gm12	11210751	11211742	Gmdrm	hypo	CHH	-0.0205
Gm12	11222469	11223405	Gmdrm	hypo	CHH	-0.0482
Gm12	11223486	11224486	Gmdrm	hypo	CHH	-0.0292
Gm12	11224490	11225482	Gmdrm	hypo	CHH	-0.027
Gm12	11231971	11232931	Gmdrm	hypo	CHH	-0.0161
Gm12	11242041	11243032	Gmdrm	hypo	CHH	-0.0545
Gm12	11243045	11243481	Gmdrm	hypo	CHH	-0.0476
Gm12	11245487	11246487	Gmdrm	hypo	CHH	-0.1591
Gm12	11246503	11247494	Gmdrm	hypo	CHH	-0.0452
Gm12	11247506	11248073	Gmdrm	hypo	CHH	-0.099
Gm12	11258985	11259977	Gmdrm	hypo	CHH	-0.0246
Gm12	11285919	11286911	Gmdrm	hypo	CHH	-0.03
Gm12	11317823	11318553	Gmdrm	hypo	CHH	-0.0266
Gm12	11319679	11320661	Gmdrm	hypo	CHH	-0.0117
Gm12	11320681	11321648	Gmdrm	hypo	CHH	-0.4285
Gm12	11321929	11322926	Gmdrm	hypo	CHH	-0.0862
Gm12	11328658	11329292	Gmdrm	hypo	CHH	-0.0685
Gm12	11331766	11332762	Gmdrm	hypo	CHH	-0.0341

Gm12	11357955	11358939	Gmdrm	hypo	CHH	-0.0265
Gm12	11364000	11364989	Gmdrm	hypo	CHH	-0.0244
Gm12	11370108	11370212	Gmdrm	hypo	CHH	-0.0417
Gm12	11372682	11373680	Gmdrm	hypo	CHH	-0.0186
Gm12	11385699	11386660	Gmdrm	hypo	CHH	-0.0453
Gm12	11438612	11439611	Gmdrm	hypo	CHH	-0.1112
Gm12	11439615	11440582	Gmdrm	hypo	CHH	-0.0225
Gm12	11458670	11459663	Gmdrm	hypo	CHH	-0.0223
Gm12	11508360	11508936	Gmdrm	hypo	CHH	-0.0153
Gm12	11512713	11513708	Gmdrm	hypo	CHH	-0.1257
Gm12	11513715	11514689	Gmdrm	hypo	CHH	-0.0518
Gm12	11522985	11523983	Gmdrm	hypo	CHH	-0.0348
Gm12	11524027	11525007	Gmdrm	hypo	CHH	-0.0226
Gm12	11525062	11526027	Gmdrm	hypo	CHH	-0.0445
Gm12	11526064	11527061	Gmdrm	hypo	CHH	-0.0246
Gm12	11530411	11531391	Gmdrm	hypo	CHH	-0.1755
Gm12	11538582	11538747	Gmdrm	hypo	CHH	-0.0207
Gm12	11545045	11546043	Gmdrm	hypo	CHH	-0.0151
Gm12	11547105	11548094	Gmdrm	hypo	CHH	-0.0403
Gm12	11548122	11549110	Gmdrm	hypo	CHH	-0.0617
Gm12	11567560	11568558	Gmdrm	hypo	CHH	-0.025
Gm12	11568561	11569561	Gmdrm	hypo	CHH	-0.1116
Gm12	11570832	11571832	Gmdrm	hypo	CHH	-0.1109
Gm12	11571839	11572743	Gmdrm	hypo	CHH	-0.2329
Gm12	11581006	11581994	Gmdrm	hypo	CHH	-0.0408
Gm12	11600182	11601182	Gmdrm	hypo	CHH	-0.0637
Gm12	11615995	11616976	Gmdrm	hypo	CHH	-0.0273
Gm12	11617000	11617994	Gmdrm	hypo	CHH	-0.1382
Gm12	11618005	11618983	Gmdrm	hypo	CHH	-0.0362
Gm12	11622204	11623198	Gmdrm	hypo	CHH	-0.0324
Gm12	11623209	11624130	Gmdrm	hypo	CHH	-0.0654
Gm12	11624964	11625881	Gmdrm	hypo	CHH	-0.0439
Gm12	11629473	11630473	Gmdrm	hypo	CHH	-0.0171
Gm12	11631577	11632460	Gmdrm	hypo	CHH	-0.0436
Gm12	11632562	11633549	Gmdrm	hypo	CHH	-0.0372
Gm12	11636210	11636885	Gmdrm	hypo	CHH	-0.0275
Gm12	11652744	11653723	Gmdrm	hypo	CHH	-0.013
Gm12	11670260	11671258	Gmdrm	hypo	CHH	-0.0392
Gm12	11671267	11671855	Gmdrm	hypo	CHH	-0.0596
Gm12	11672198	11672299	Gmdrm	hypo	CHH	-0.0658
Gm12	11672427	11673427	Gmdrm	hypo	CHH	-0.0792
Gm12	11673430	11674427	Gmdrm	hypo	CHH	-0.0388
Gm12	11674432	11675427	Gmdrm	hypo	CHH	-0.038
Gm12	11677779	11678770	Gmdrm	hypo	CHH	-0.0128
Gm12	11684717	11685716	Gmdrm	hypo	CHH	-0.031
Gm12	11688856	11689842	Gmdrm	hypo	CHH	-0.0226

Gm12	11713192	11713285	Gmdrm	hypo	CHH	-0.0277
Gm12	11715468	11716133	Gmdrm	hypo	CHH	-0.0232
Gm12	11720479	11721466	Gmdrm	hypo	CHH	-0.0677
Gm12	11721483	11722483	Gmdrm	hypo	CHH	-0.0292
Gm12	11726760	11727760	Gmdrm	hypo	CHH	-0.0273
Gm12	11727763	11728757	Gmdrm	hypo	CHH	-0.0429
Gm12	11753733	11754732	Gmdrm	hypo	CHH	-0.0533
Gm12	11759669	11760659	Gmdrm	hypo	CHH	-0.1381
Gm12	11787009	11787993	Gmdrm	hypo	CHH	-0.0704
Gm12	11801020	11802009	Gmdrm	hypo	CHH	-0.0233
Gm12	11896392	11897391	Gmdrm	hypo	CHH	-0.0871
Gm12	11913563	11914556	Gmdrm	hypo	CHH	-0.0151
Gm12	11918249	11919237	Gmdrm	hypo	CHH	-0.0217
Gm12	11937535	11938530	Gmdrm	hypo	CHH	-0.0244
Gm12	11938537	11939496	Gmdrm	hypo	CHH	-0.0569
Gm12	11947604	11948601	Gmdrm	hypo	CHH	-0.0856
Gm12	11948606	11949602	Gmdrm	hypo	CHH	-0.2593
Gm12	11950642	11951635	Gmdrm	hypo	CHH	-0.013
Gm12	11952678	11953666	Gmdrm	hypo	CHH	-0.1475
Gm12	11953746	11954743	Gmdrm	hypo	CHH	-0.0297
Gm12	11954747	11955413	Gmdrm	hypo	CHH	-0.0482
Gm12	11994367	11995042	Gmdrm	hypo	CHH	-0.023
Gm12	11995195	11996184	Gmdrm	hypo	CHH	-0.0246
Gm12	12005292	12006260	Gmdrm	hypo	CHH	-0.0263
Gm12	12006309	12006998	Gmdrm	hypo	CHH	-0.2927
Gm12	12007429	12008427	Gmdrm	hypo	CHH	-0.022
Gm12	12010191	12010860	Gmdrm	hypo	CHH	-0.2081
Gm12	12010979	12011394	Gmdrm	hypo	CHH	-0.0171
Gm12	12011495	12012493	Gmdrm	hypo	CHH	-0.0427
Gm12	12013509	12014509	Gmdrm	hypo	CHH	-0.0312
Gm12	12033003	12033657	Gmdrm	hypo	CHH	-0.1445
Gm12	12033791	12034782	Gmdrm	hypo	CHH	-0.0337
Gm12	12059515	12060511	Gmdrm	hypo	CHH	-0.0573
Gm12	12068039	12069036	Gmdrm	hypo	CHH	-0.0424
Gm12	12069716	12070696	Gmdrm	hypo	CHH	-0.1375
Gm12	12071157	12071707	Gmdrm	hypo	CHH	-0.0382
Gm12	12075655	12076649	Gmdrm	hypo	CHH	-0.0314
Gm12	12079239	12079548	Gmdrm	hypo	CHH	-0.0393
Gm12	12105429	12106319	Gmdrm	hypo	CHH	-0.0528
Gm12	12106451	12107435	Gmdrm	hypo	CHH	-0.0714
Gm12	12169191	12170191	Gmdrm	hypo	CHH	-0.0353
Gm12	12170211	12171208	Gmdrm	hypo	CHH	-0.0309
Gm12	12171258	12172205	Gmdrm	hypo	CHH	-0.0268
Gm12	12172486	12173480	Gmdrm	hypo	CHH	-0.0454
Gm12	12178289	12179282	Gmdrm	hypo	CHH	-0.0561
Gm12	12180650	12181022	Gmdrm	hypo	CHH	-0.0195

Gm12	12182492	12182694	Gmdrm	hypo	CHH	-0.026
Gm12	12186575	12187569	Gmdrm	hypo	CHH	-0.0389
Gm12	12311278	12312272	Gmdrm	hypo	CHH	-0.0271
Gm12	12316924	12317910	Gmdrm	hypo	CHH	-0.025
Gm12	12321128	12321923	Gmdrm	hypo	CHH	-0.0435
Gm12	12333733	12334557	Gmdrm	hypo	CHH	-0.0173
Gm12	12337193	12337929	Gmdrm	hypo	CHH	-0.0524
Gm12	12339453	12340412	Gmdrm	hypo	CHH	-0.0586
Gm12	12346015	12346966	Gmdrm	hypo	CHH	-0.03
Gm12	12424200	12425164	Gmdrm	hypo	CHH	-0.02
Gm12	12451489	12452484	Gmdrm	hypo	CHH	-0.0949
Gm12	12452525	12453518	Gmdrm	hypo	CHH	-0.0278
Gm12	12496452	12497400	Gmdrm	hypo	CHH	-0.0327
Gm12	12498228	12499218	Gmdrm	hypo	CHH	-0.0434
Gm12	12503886	12504879	Gmdrm	hypo	CHH	-0.0208
Gm12	12512616	12513586	Gmdrm	hypo	CHH	-0.1904
Gm12	12516975	12517957	Gmdrm	hypo	CHH	-0.0704
Gm12	12570417	12571412	Gmdrm	hypo	CHH	-0.0727
Gm12	12591008	12591980	Gmdrm	hypo	CHH	-0.0689
Gm12	12594743	12595736	Gmdrm	hypo	CHH	-0.253
Gm12	12607895	12608892	Gmdrm	hypo	CHH	-0.0854
Gm12	12630182	12631177	Gmdrm	hypo	CHH	-0.0477
Gm12	12631256	12632235	Gmdrm	hypo	CHH	-0.0547
Gm12	12637753	12638101	Gmdrm	hypo	CHH	-0.0278
Gm12	12639357	12640353	Gmdrm	hypo	CHH	-0.0188
Gm12	12654617	12655611	Gmdrm	hypo	CHH	-0.019
Gm12	12655677	12656676	Gmdrm	hypo	CHH	-0.026
Gm12	12692871	12693867	Gmdrm	hypo	CHH	-0.0176
Gm12	12697166	12698137	Gmdrm	hypo	CHH	-0.0829
Gm12	12724991	12725989	Gmdrm	hypo	CHH	-0.0191
Gm12	12726119	12727111	Gmdrm	hypo	CHH	-0.0187
Gm12	12732304	12733298	Gmdrm	hypo	CHH	-0.0672
Gm12	12772886	12773868	Gmdrm	hypo	CHH	-0.0468
Gm12	12773899	12774856	Gmdrm	hypo	CHH	-0.2733
Gm12	12777887	12778886	Gmdrm	hypo	CHH	-0.0761
Gm12	12778894	12779894	Gmdrm	hypo	CHH	-0.053
Gm12	12784853	12785841	Gmdrm	hypo	CHH	-0.0407
Gm12	12785865	12786865	Gmdrm	hypo	CHH	-0.0483
Gm12	12786874	12787873	Gmdrm	hypo	CHH	-0.0364
Gm12	12796795	12797329	Gmdrm	hypo	CHH	-0.0304
Gm12	12800757	12801629	Gmdrm	hypo	CHH	-0.0365
Gm12	12814553	12814739	Gmdrm	hypo	CHH	-0.0541
Gm12	12818625	12819618	Gmdrm	hypo	CHH	-0.0142
Gm12	12819632	12820631	Gmdrm	hypo	CHH	-0.0847
Gm12	12836212	12837210	Gmdrm	hypo	CHH	-0.0886
Gm12	12856108	12857094	Gmdrm	hypo	CHH	-0.013

Gm12	12858175	12859169	Gmdrm	hypo	CHH	-0.0554
Gm12	12863874	12864870	Gmdrm	hypo	CHH	-0.0173
Gm12	12869587	12870343	Gmdrm	hypo	CHH	-0.0234
Gm12	12870673	12871661	Gmdrm	hypo	CHH	-0.013
Gm12	12871675	12872664	Gmdrm	hypo	CHH	-0.0348
Gm12	12897016	12898003	Gmdrm	hypo	CHH	-0.0322
Gm12	12898018	12898231	Gmdrm	hypo	CHH	-0.0537
Gm12	12927159	12927296	Gmdrm	hypo	CHH	-0.07
Gm12	12929490	12930478	Gmdrm	hypo	CHH	-0.0243
Gm12	13026850	13027792	Gmdrm	hypo	CHH	-0.1202
Gm12	13028004	13028454	Gmdrm	hypo	CHH	-0.1609
Gm12	13029240	13030240	Gmdrm	hypo	CHH	-0.1708
Gm12	13036312	13037262	Gmdrm	hypo	CHH	-0.0772
Gm12	13037332	13038161	Gmdrm	hypo	CHH	-0.1369
Gm12	13049531	13050519	Gmdrm	hypo	CHH	-0.0273
Gm12	13053961	13054948	Gmdrm	hypo	CHH	-0.1022
Gm12	13079359	13080356	Gmdrm	hypo	CHH	-0.0234
Gm12	13118347	13119282	Gmdrm	hypo	CHH	-0.0258
Gm12	13160989	13161951	Gmdrm	hypo	CHH	-0.0454
Gm12	13182907	13183613	Gmdrm	hypo	CHH	-0.0791
Gm12	13184056	13185055	Gmdrm	hypo	CHH	-0.0416
Gm12	13198152	13199152	Gmdrm	hypo	CHH	-0.0309
Gm12	13199154	13199601	Gmdrm	hypo	CHH	-0.0894
Gm12	13204925	13205917	Gmdrm	hypo	CHH	-0.033
Gm12	13205926	13206925	Gmdrm	hypo	CHH	-0.0346
Gm12	13233331	13234325	Gmdrm	hypo	CHH	-0.0394
Gm12	13254933	13255933	Gmdrm	hypo	CHH	-0.1046
Gm12	13255935	13256928	Gmdrm	hypo	CHH	-0.0402
Gm12	13285544	13286538	Gmdrm	hypo	CHH	-0.1292
Gm12	13288014	13289014	Gmdrm	hypo	CHH	-0.0376
Gm12	13289025	13289935	Gmdrm	hypo	CHH	-0.1101
Gm12	13291877	13292872	Gmdrm	hypo	CHH	-0.0809
Gm12	13292879	13293865	Gmdrm	hypo	CHH	-0.1494
Gm12	13294093	13294430	Gmdrm	hypo	CHH	-0.0225
Gm12	13295970	13296953	Gmdrm	hypo	CHH	-0.0179
Gm12	13304163	13305161	Gmdrm	hypo	CHH	-0.0957
Gm12	13305174	13305335	Gmdrm	hypo	CHH	-0.3176
Gm12	13305628	13306623	Gmdrm	hypo	CHH	-0.1269
Gm12	13306630	13307614	Gmdrm	hypo	CHH	-0.0382
Gm12	13309941	13310251	Gmdrm	hypo	CHH	-0.11
Gm12	13322119	13323031	Gmdrm	hypo	CHH	-0.103
Gm12	13323123	13323539	Gmdrm	hypo	CHH	-0.0466
Gm12	13347146	13348135	Gmdrm	hypo	CHH	-0.0305
Gm12	13359970	13360954	Gmdrm	hypo	CHH	-0.1004
Gm12	13362030	13362997	Gmdrm	hypo	CHH	-0.0285
Gm12	13365821	13366795	Gmdrm	hypo	CHH	-0.0124

Gm12	13367714	13368422	Gmdrm	hypo	CHH	-0.0825
Gm12	13368734	13369714	Gmdrm	hypo	CHH	-0.0678
Gm12	13370043	13371041	Gmdrm	hypo	CHH	-0.0618
Gm12	13371045	13372035	Gmdrm	hypo	CHH	-0.055
Gm12	13396500	13397440	Gmdrm	hypo	CHH	-0.026
Gm12	13405484	13406484	Gmdrm	hypo	CHH	-0.0608
Gm12	13408327	13409319	Gmdrm	hypo	CHH	-0.0243
Gm12	13409363	13410335	Gmdrm	hypo	CHH	-0.0581
Gm12	13421326	13422322	Gmdrm	hypo	CHH	-0.0572
Gm12	13422327	13422610	Gmdrm	hypo	CHH	-0.1047
Gm12	13432819	13432956	Gmdrm	hypo	CHH	-0.08
Gm12	13438038	13438986	Gmdrm	hypo	CHH	-0.0367
Gm12	13444130	13444238	Gmdrm	hypo	CHH	-0.055
Gm12	13445368	13446363	Gmdrm	hypo	CHH	-0.0134
Gm12	13446378	13446630	Gmdrm	hypo	CHH	-0.05
Gm12	13447834	13448816	Gmdrm	hypo	CHH	-0.0266
Gm12	13448837	13449836	Gmdrm	hypo	CHH	-0.0338
Gm12	13453827	13454827	Gmdrm	hypo	CHH	-0.084
Gm12	13456861	13457812	Gmdrm	hypo	CHH	-0.0424
Gm12	13458261	13458635	Gmdrm	hypo	CHH	-0.0318
Gm12	13471387	13472383	Gmdrm	hypo	CHH	-0.0585
Gm12	13482820	13483813	Gmdrm	hypo	CHH	-0.0203
Gm12	13499981	13500979	Gmdrm	hypo	CHH	-0.0671
Gm12	13511237	13512233	Gmdrm	hypo	CHH	-0.0151
Gm12	13512258	13513242	Gmdrm	hypo	CHH	-0.045
Gm12	13515645	13516247	Gmdrm	hypo	CHH	-0.2224
Gm12	13516365	13517362	Gmdrm	hypo	CHH	-0.0899
Gm12	13518399	13519398	Gmdrm	hypo	CHH	-0.0304
Gm12	13519415	13520406	Gmdrm	hypo	CHH	-0.0263
Gm12	13520449	13521440	Gmdrm	hypo	CHH	-0.0135
Gm12	13555431	13555487	Gmdrm	hypo	CHH	-0.2429
Gm12	13616419	13617416	Gmdrm	hypo	CHH	-0.0304
Gm12	13637703	13638699	Gmdrm	hypo	CHH	-0.0266
Gm12	13666583	13667572	Gmdrm	hypo	CHH	-0.0199
Gm12	13680572	13681571	Gmdrm	hypo	CHH	-0.0225
Gm12	13691745	13692736	Gmdrm	hypo	CHH	-0.0388
Gm12	13701893	13702892	Gmdrm	hypo	CHH	-0.0439
Gm12	13721142	13722067	Gmdrm	hypo	CHH	-0.0185
Gm12	13722143	13723137	Gmdrm	hypo	CHH	-0.0145
Gm12	13735296	13736070	Gmdrm	hypo	CHH	-0.0397
Gm12	13742044	13743031	Gmdrm	hypo	CHH	-0.0457
Gm12	13743072	13744071	Gmdrm	hypo	CHH	-0.0244
Gm12	13751261	13752254	Gmdrm	hypo	CHH	-0.0811
Gm12	13761096	13762091	Gmdrm	hypo	CHH	-0.0227
Gm12	13781277	13781817	Gmdrm	hypo	CHH	-0.0448
Gm12	13801472	13802428	Gmdrm	hypo	CHH	-0.0411

Gm12	13803476	13804470	Gmdrm	hypo	CHH	-0.0445
Gm12	13852642	13853631	Gmdrm	hypo	CHH	-0.0201
Gm12	13859153	13860114	Gmdrm	hypo	CHH	-0.0104
Gm12	13930063	13931057	Gmdrm	hypo	CHH	-0.017
Gm12	13944491	13945489	Gmdrm	hypo	CHH	-0.1344
Gm12	13953311	13953734	Gmdrm	hypo	CHH	-0.0472
Gm12	13968219	13969214	Gmdrm	hypo	CHH	-0.0462
Gm12	13969223	13970220	Gmdrm	hypo	CHH	-0.0289
Gm12	13970236	13971233	Gmdrm	hypo	CHH	-0.0278
Gm12	13985769	13986741	Gmdrm	hypo	CHH	-0.0173
Gm12	13987790	13988786	Gmdrm	hypo	CHH	-0.0337
Gm12	13992381	13993380	Gmdrm	hypo	CHH	-0.037
Gm12	14030123	14031123	Gmdrm	hypo	CHH	-0.0989
Gm12	14061149	14062118	Gmdrm	hypo	CHH	-0.0135
Gm12	14180057	14181013	Gmdrm	hypo	CHH	-0.0288
Gm12	14181058	14182058	Gmdrm	hypo	CHH	-0.0163
Gm12	14195160	14196149	Gmdrm	hypo	CHH	-0.1041
Gm12	14196170	14197162	Gmdrm	hypo	CHH	-0.0837
Gm12	14197173	14198171	Gmdrm	hypo	CHH	-0.068
Gm12	14223749	14224037	Gmdrm	hypo	CHH	-0.0362
Gm12	14227132	14227855	Gmdrm	hypo	CHH	-0.0281
Gm12	14230826	14231820	Gmdrm	hypo	CHH	-0.0277
Gm12	14232847	14233817	Gmdrm	hypo	CHH	-0.0298
Gm12	14242240	14242872	Gmdrm	hypo	CHH	-0.0352
Gm12	14243185	14244184	Gmdrm	hypo	CHH	-0.0431
Gm12	14245113	14246075	Gmdrm	hypo	CHH	-0.0169
Gm12	14257980	14258977	Gmdrm	hypo	CHH	-0.0475
Gm12	14258996	14259992	Gmdrm	hypo	CHH	-0.0468
Gm12	14284284	14285107	Gmdrm	hypo	CHH	-0.0494
Gm12	14300791	14301608	Gmdrm	hypo	CHH	-0.0636
Gm12	14337663	14338603	Gmdrm	hypo	CHH	-0.0954
Gm12	14339392	14340380	Gmdrm	hypo	CHH	-0.0186
Gm12	14354508	14354830	Gmdrm	hypo	CHH	-0.0451
Gm12	14357754	14358628	Gmdrm	hypo	CHH	-0.049
Gm12	14361251	14362235	Gmdrm	hypo	CHH	-0.0359
Gm12	14369147	14370120	Gmdrm	hypo	CHH	-0.0145
Gm12	14375176	14375403	Gmdrm	hypo	CHH	-0.0461
Gm12	14380181	14381179	Gmdrm	hypo	CHH	-0.0621
Gm12	14381187	14382185	Gmdrm	hypo	CHH	-0.0689
Gm12	14383227	14384222	Gmdrm	hypo	CHH	-0.1618
Gm12	14384250	14385232	Gmdrm	hypo	CHH	-0.0613
Gm12	14409541	14410537	Gmdrm	hypo	CHH	-0.0245
Gm12	14437498	14438495	Gmdrm	hypo	CHH	-0.0315
Gm12	14444589	14445561	Gmdrm	hypo	CHH	-0.054
Gm12	14453605	14454603	Gmdrm	hypo	CHH	-0.2152
Gm12	14454612	14455606	Gmdrm	hypo	CHH	-0.1459

Gm12	14494328	14495317	Gmdrm	hypo	CHH	-0.0529
Gm12	14497158	14498156	Gmdrm	hypo	CHH	-0.1519
Gm12	14503125	14504123	Gmdrm	hypo	CHH	-0.1666
Gm12	14579200	14580185	Gmdrm	hypo	CHH	-0.0574
Gm12	14603716	14604692	Gmdrm	hypo	CHH	-0.0313
Gm12	14613571	14614568	Gmdrm	hypo	CHH	-0.0471
Gm12	14614573	14615165	Gmdrm	hypo	CHH	-0.1079
Gm12	14637617	14637771	Gmdrm	hypo	CHH	-0.1259
Gm12	14650954	14651954	Gmdrm	hypo	CHH	-0.0181
Gm12	14654151	14655147	Gmdrm	hypo	CHH	-0.1253
Gm12	14656158	14657122	Gmdrm	hypo	CHH	-0.0825
Gm12	14657978	14658974	Gmdrm	hypo	CHH	-0.1571
Gm12	14663034	14663984	Gmdrm	hypo	CHH	-0.094
Gm12	14709195	14709501	Gmdrm	hypo	CHH	-0.0472
Gm12	14712784	14713784	Gmdrm	hypo	CHH	-0.0259
Gm12	14713798	14714760	Gmdrm	hypo	CHH	-0.0219
Gm12	14714807	14715500	Gmdrm	hypo	CHH	-0.0335
Gm12	14755264	14756263	Gmdrm	hypo	CHH	-0.029
Gm12	14756275	14757113	Gmdrm	hypo	CHH	-0.0262
Gm12	14788634	14789594	Gmdrm	hypo	CHH	-0.0197
Gm12	14793284	14794283	Gmdrm	hypo	CHH	-0.0231
Gm12	14813230	14814220	Gmdrm	hypo	CHH	-0.0183
Gm12	14856014	14857004	Gmdrm	hypo	CHH	-0.0201
Gm12	14858036	14859001	Gmdrm	hypo	CHH	-0.0112
Gm12	14861944	14862932	Gmdrm	hypo	CHH	-0.0403
Gm12	14864343	14865318	Gmdrm	hypo	CHH	-0.0304
Gm12	14871272	14872242	Gmdrm	hypo	CHH	-0.0412
Gm12	14872279	14873275	Gmdrm	hypo	CHH	-0.0633
Gm12	14873284	14874262	Gmdrm	hypo	CHH	-0.0339
Gm12	14877320	14878319	Gmdrm	hypo	CHH	-0.0238
Gm12	14880393	14881388	Gmdrm	hypo	CHH	-0.0204
Gm12	14886421	14886706	Gmdrm	hypo	CHH	-0.0427
Gm12	14895282	14896281	Gmdrm	hypo	CHH	-0.0222
Gm12	14897297	14898191	Gmdrm	hypo	CHH	-0.0169
Gm12	14899376	14900372	Gmdrm	hypo	CHH	-0.021
Gm12	14900399	14901383	Gmdrm	hypo	CHH	-0.0542
Gm12	14901403	14902401	Gmdrm	hypo	CHH	-0.0148
Gm12	14904246	14905223	Gmdrm	hypo	CHH	-0.0248
Gm12	14911459	14912438	Gmdrm	hypo	CHH	-0.0224
Gm12	14915508	14916489	Gmdrm	hypo	CHH	-0.0597
Gm12	14944300	14945042	Gmdrm	hypo	CHH	-0.0805
Gm12	14945297	14946107	Gmdrm	hypo	CHH	-0.0142
Gm12	14963112	14964079	Gmdrm	hypo	CHH	-0.0127
Gm12	14966860	14967854	Gmdrm	hypo	CHH	-0.0329
Gm12	14967864	14968852	Gmdrm	hypo	CHH	-0.0474
Gm12	14995088	14996071	Gmdrm	hypo	CHH	-0.0561

Gm12	15005887	15006870 Gmdrm	hypo	CHH	-0.0227
Gm12	15009624	15010535 Gmdrm	hypo	CHH	-0.0385
Gm12	15010629	15011617 Gmdrm	hypo	CHH	-0.0256
Gm12	15017810	15018064 Gmdrm	hypo	CHH	-0.0333
Gm12	15020394	15021379 Gmdrm	hypo	CHH	-0.0243
Gm12	15021408	15022405 Gmdrm	hypo	CHH	-0.0243
Gm12	15034588	15035576 Gmdrm	hypo	CHH	-0.1181
Gm12	15095050	15096044 Gmdrm	hypo	CHH	-0.0659
Gm12	15102977	15103963 Gmdrm	hypo	CHH	-0.0208
Gm12	15107059	15108055 Gmdrm	hypo	CHH	-0.026
Gm12	15111617	15112615 Gmdrm	hypo	CHH	-0.0257
Gm12	15115049	15116042 Gmdrm	hypo	CHH	-0.0399
Gm12	15121075	15122065 Gmdrm	hypo	CHH	-0.0591
Gm12	15158718	15159683 Gmdrm	hypo	CHH	-0.0103
Gm12	15160462	15161461 Gmdrm	hypo	CHH	-0.021
Gm12	15165937	15166871 Gmdrm	hypo	CHH	-0.05
Gm12	15214789	15215789 Gmdrm	hypo	CHH	-0.0116
Gm12	15215797	15216794 Gmdrm	hypo	CHH	-0.0153
Gm12	15255516	15256516 Gmdrm	hypo	CHH	-0.0673
Gm12	15258572	15259556 Gmdrm	hypo	CHH	-0.0408
Gm12	15290152	15291152 Gmdrm	hypo	CHH	-0.0501
Gm12	15294230	15295223 Gmdrm	hypo	CHH	-0.0518
Gm12	15343378	15344335 Gmdrm	hypo	CHH	-0.0687
Gm12	15358052	15358996 Gmdrm	hypo	CHH	-0.0591
Gm12	15367964	15368952 Gmdrm	hypo	CHH	-0.048
Gm12	15382776	15383715 Gmdrm	hypo	CHH	-0.0172
Gm12	15407179	15408166 Gmdrm	hypo	CHH	-0.0217
Gm12	15409207	15410189 Gmdrm	hypo	CHH	-0.0263
Gm12	15428279	15429277 Gmdrm	hypo	CHH	-0.0499
Gm12	15429281	15430281 Gmdrm	hypo	CHH	-0.0494
Gm12	15434365	15434963 Gmdrm	hypo	CHH	-0.0232
Gm12	15435284	15436283 Gmdrm	hypo	CHH	-0.1496
Gm12	15441844	15442458 Gmdrm	hypo	CHH	-0.0745
Gm12	15447177	15448133 Gmdrm	hypo	CHH	-0.1255
Gm12	15453011	15453973 Gmdrm	hypo	CHH	-0.0531
Gm12	15468527	15469522 Gmdrm	hypo	CHH	-0.0497
Gm12	15469540	15470539 Gmdrm	hypo	CHH	-0.111
Gm12	15470546	15471544 Gmdrm	hypo	CHH	-0.0342
Gm12	15471553	15472549 Gmdrm	hypo	CHH	-0.0277
Gm12	15472564	15473554 Gmdrm	hypo	CHH	-0.0123
Gm12	15473569	15474511 Gmdrm	hypo	CHH	-0.0111
Gm12	15477698	15478648 Gmdrm	hypo	CHH	-0.1092
Gm12	15482681	15483675 Gmdrm	hypo	CHH	-0.119
Gm12	15493628	15494625 Gmdrm	hypo	CHH	-0.0514
Gm12	15521618	15522614 Gmdrm	hypo	CHH	-0.0523
Gm12	15527046	15528025 Gmdrm	hypo	CHH	-0.0244

Gm12	15528047	15529039	Gmdrm	hypo	CHH	-0.1245
Gm12	15535792	15536790	Gmdrm	hypo	CHH	-0.013
Gm12	15555982	15556981	Gmdrm	hypo	CHH	-0.0483
Gm12	15556983	15557973	Gmdrm	hypo	CHH	-0.0392
Gm12	15564561	15565514	Gmdrm	hypo	CHH	-0.02
Gm12	15567626	15568626	Gmdrm	hypo	CHH	-0.0577
Gm12	15568627	15569622	Gmdrm	hypo	CHH	-0.1682
Gm12	15569631	15570621	Gmdrm	hypo	CHH	-0.088
Gm12	15570641	15571483	Gmdrm	hypo	CHH	-0.01
Gm12	15572698	15573686	Gmdrm	hypo	CHH	-0.0137
Gm12	15573704	15574521	Gmdrm	hypo	CHH	-0.0368
Gm12	15574869	15575545	Gmdrm	hypo	CHH	-0.2731
Gm12	15579061	15579536	Gmdrm	hypo	CHH	-0.0423
Gm12	15584590	15585181	Gmdrm	hypo	CHH	-0.0697
Gm12	15590321	15591320	Gmdrm	hypo	CHH	-0.0551
Gm12	15611580	15612568	Gmdrm	hypo	CHH	-0.0139
Gm12	15631469	15632456	Gmdrm	hypo	CHH	-0.0141
Gm12	15634153	15635151	Gmdrm	hypo	CHH	-0.0366
Gm12	15635154	15635847	Gmdrm	hypo	CHH	-0.1112
Gm12	15635955	15636462	Gmdrm	hypo	CHH	-0.0727
Gm12	15641228	15642227	Gmdrm	hypo	CHH	-0.0408
Gm12	15649431	15650416	Gmdrm	hypo	CHH	-0.0949
Gm12	15650455	15651454	Gmdrm	hypo	CHH	-0.0416
Gm12	15651458	15652429	Gmdrm	hypo	CHH	-0.2065
Gm12	15655845	15656841	Gmdrm	hypo	CHH	-0.02
Gm12	15656860	15657858	Gmdrm	hypo	CHH	-0.082
Gm12	15665617	15666588	Gmdrm	hypo	CHH	-0.0698
Gm12	15675819	15676811	Gmdrm	hypo	CHH	-0.0564
Gm12	15678627	15679625	Gmdrm	hypo	CHH	-0.062
Gm12	15681637	15681753	Gmdrm	hypo	CHH	-0.1183
Gm12	15684384	15685350	Gmdrm	hypo	CHH	-0.0295
Gm12	15688005	15688989	Gmdrm	hypo	CHH	-0.0173
Gm12	15692051	15692273	Gmdrm	hypo	CHH	-0.099
Gm12	15693663	15694563	Gmdrm	hypo	CHH	-0.0519
Gm12	15805796	15806788	Gmdrm	hypo	CHH	-0.038
Gm12	15809557	15810556	Gmdrm	hypo	CHH	-0.0199
Gm12	15829035	15829295	Gmdrm	hypo	CHH	-0.188
Gm12	15843701	15844695	Gmdrm	hypo	CHH	-0.033
Gm12	15844708	15845707	Gmdrm	hypo	CHH	-0.0544
Gm12	15846718	15847698	Gmdrm	hypo	CHH	-0.0301
Gm12	15883807	15884782	Gmdrm	hypo	CHH	-0.0348
Gm12	15890134	15891127	Gmdrm	hypo	CHH	-0.0216
Gm12	15900583	15901580	Gmdrm	hypo	CHH	-0.0744
Gm12	15917314	15918291	Gmdrm	hypo	CHH	-0.3904
Gm12	15919834	15920831	Gmdrm	hypo	CHH	-0.1225
Gm12	15928543	15929538	Gmdrm	hypo	CHH	-0.0208

Gm12	15970113	15971061	Gmdrm	hypo	CHH	-0.0563
Gm12	15971558	15972536	Gmdrm	hypo	CHH	-0.1766
Gm12	16002319	16003156	Gmdrm	hypo	CHH	-0.0126
Gm12	16006361	16006866	Gmdrm	hypo	CHH	-0.262
Gm12	16037056	16038045	Gmdrm	hypo	CHH	-0.0169
Gm12	16050283	16051276	Gmdrm	hypo	CHH	-0.0819
Gm12	16052294	16053253	Gmdrm	hypo	CHH	-0.1234
Gm12	16105936	16106931	Gmdrm	hypo	CHH	-0.0191
Gm12	16111295	16112290	Gmdrm	hypo	CHH	-0.0384
Gm12	16202949	16203298	Gmdrm	hypo	CHH	-0.0453
Gm12	16219095	16220093	Gmdrm	hypo	CHH	-0.0418
Gm12	16224941	16225938	Gmdrm	hypo	CHH	-0.0203
Gm12	16228590	16229566	Gmdrm	hypo	CHH	-0.0391
Gm12	16243916	16244187	Gmdrm	hypo	CHH	-0.1793
Gm12	16244551	16245550	Gmdrm	hypo	CHH	-0.0322
Gm12	16245555	16246554	Gmdrm	hypo	CHH	-0.0235
Gm12	16252532	16253496	Gmdrm	hypo	CHH	-0.0275
Gm12	16253563	16254557	Gmdrm	hypo	CHH	-0.0581
Gm12	16265622	16266616	Gmdrm	hypo	CHH	-0.0416
Gm12	16273413	16274388	Gmdrm	hypo	CHH	-0.0258
Gm12	16275813	16276801	Gmdrm	hypo	CHH	-0.0211
Gm12	16283838	16284834	Gmdrm	hypo	CHH	-0.0715
Gm12	16285879	16286094	Gmdrm	hypo	CHH	-0.0862
Gm12	16297693	16297772	Gmdrm	hypo	CHH	-0.1125
Gm12	16315920	16316916	Gmdrm	hypo	CHH	-0.0131
Gm12	16343989	16344663	Gmdrm	hypo	CHH	-0.1302
Gm12	16354893	16355877	Gmdrm	hypo	CHH	-0.0567
Gm12	16358014	16359010	Gmdrm	hypo	CHH	-0.0224
Gm12	16370403	16371396	Gmdrm	hypo	CHH	-0.0748
Gm12	16378309	16379302	Gmdrm	hypo	CHH	-0.056
Gm12	16379313	16380309	Gmdrm	hypo	CHH	-0.0203
Gm12	16382706	16383697	Gmdrm	hypo	CHH	-0.0385
Gm12	16383715	16384051	Gmdrm	hypo	CHH	-0.0403
Gm12	16385246	16386246	Gmdrm	hypo	CHH	-0.0811
Gm12	16386254	16387235	Gmdrm	hypo	CHH	-0.0537
Gm12	16459497	16460496	Gmdrm	hypo	CHH	-0.0238
Gm12	16468546	16469545	Gmdrm	hypo	CHH	-0.1304
Gm12	16469547	16470540	Gmdrm	hypo	CHH	-0.0806
Gm12	16471684	16472482	Gmdrm	hypo	CHH	-0.0542
Gm12	16473080	16473424	Gmdrm	hypo	CHH	-0.1041
Gm12	16478312	16479299	Gmdrm	hypo	CHH	-0.0748
Gm12	16480092	16481088	Gmdrm	hypo	CHH	-0.0265
Gm12	16634338	16635330	Gmdrm	hypo	CHH	-0.1122
Gm12	16635339	16636074	Gmdrm	hypo	CHH	-0.0278
Gm12	16636325	16637323	Gmdrm	hypo	CHH	-0.0655
Gm12	16647233	16648232	Gmdrm	hypo	CHH	-0.1244

Gm12	16648618	16648953	Gmdrm	hypo	CHH	-0.2605
Gm12	16650914	16651910	Gmdrm	hypo	CHH	-0.0194
Gm12	16674863	16675857	Gmdrm	hypo	CHH	-0.2298
Gm12	16695508	16696474	Gmdrm	hypo	CHH	-0.037
Gm12	16698875	16699869	Gmdrm	hypo	CHH	-0.0291
Gm12	16699887	16700289	Gmdrm	hypo	CHH	-0.0295
Gm12	16702991	16703728	Gmdrm	hypo	CHH	-0.0356
Gm12	16765464	16766463	Gmdrm	hypo	CHH	-0.0397
Gm12	16766472	16767464	Gmdrm	hypo	CHH	-0.0641
Gm12	16767481	16768468	Gmdrm	hypo	CHH	-0.096
Gm12	16768506	16769047	Gmdrm	hypo	CHH	-0.1288
Gm12	16901655	16902651	Gmdrm	hypo	CHH	-0.0851
Gm12	16929071	16930047	Gmdrm	hypo	CHH	-0.0379
Gm12	16936124	16937123	Gmdrm	hypo	CHH	-0.04
Gm12	16937134	16937689	Gmdrm	hypo	CHH	-0.0638
Gm12	16957396	16957788	Gmdrm	hypo	CHH	-0.0705
Gm12	16975791	16976782	Gmdrm	hypo	CHH	-0.1227
Gm12	16979675	16980675	Gmdrm	hypo	CHH	-0.0379
Gm12	17033518	17034516	Gmdrm	hypo	CHH	-0.1617
Gm12	17034538	17035533	Gmdrm	hypo	CHH	-0.0537
Gm12	17105633	17106594	Gmdrm	hypo	CHH	-0.0142
Gm12	17160340	17161334	Gmdrm	hypo	CHH	-0.017
Gm12	17162893	17163877	Gmdrm	hypo	CHH	-0.0318
Gm12	17164064	17165060	Gmdrm	hypo	CHH	-0.0381
Gm12	17166086	17166597	Gmdrm	hypo	CHH	-0.0153
Gm12	17166933	17167847	Gmdrm	hypo	CHH	-0.0464
Gm12	17168973	17169959	Gmdrm	hypo	CHH	-0.0141
Gm12	17169983	17170978	Gmdrm	hypo	CHH	-0.0167
Gm12	17184170	17185160	Gmdrm	hypo	CHH	-0.0142
Gm12	17186208	17187198	Gmdrm	hypo	CHH	-0.046
Gm12	17192275	17193275	Gmdrm	hypo	CHH	-0.0371
Gm12	17193295	17193503	Gmdrm	hypo	CHH	-0.0385
Gm12	17193608	17194588	Gmdrm	hypo	CHH	-0.0162
Gm12	17194618	17195612	Gmdrm	hypo	CHH	-0.0168
Gm12	17204975	17205967	Gmdrm	hypo	CHH	-0.2354
Gm12	17207439	17208434	Gmdrm	hypo	CHH	-0.0476
Gm12	17208445	17209436	Gmdrm	hypo	CHH	-0.1369
Gm12	17209448	17210440	Gmdrm	hypo	CHH	-0.0556
Gm12	17210452	17211427	Gmdrm	hypo	CHH	-0.0285
Gm12	17239505	17240408	Gmdrm	hypo	CHH	-0.0334
Gm12	17240795	17241648	Gmdrm	hypo	CHH	-0.0275
Gm12	17243258	17244252	Gmdrm	hypo	CHH	-0.0228
Gm12	17244262	17245261	Gmdrm	hypo	CHH	-0.0228
Gm12	17249321	17250029	Gmdrm	hypo	CHH	-0.0264
Gm12	17291731	17292474	Gmdrm	hypo	CHH	-0.0446
Gm12	17297148	17298142	Gmdrm	hypo	CHH	-0.0837

Gm12	17308153	17309148	Gmdrm	hypo	CHH	-0.022
Gm12	17311227	17312222	Gmdrm	hypo	CHH	-0.0222
Gm12	17312236	17313236	Gmdrm	hypo	CHH	-0.0612
Gm12	17366678	17367678	Gmdrm	hypo	CHH	-0.1747
Gm12	17367947	17368934	Gmdrm	hypo	CHH	-0.2029
Gm12	17385140	17386122	Gmdrm	hypo	CHH	-0.0204
Gm12	17488822	17489820	Gmdrm	hypo	CHH	-0.047
Gm12	17490864	17491782	Gmdrm	hypo	CHH	-0.1709
Gm12	17494897	17495893	Gmdrm	hypo	CHH	-0.1162
Gm12	17495899	17496865	Gmdrm	hypo	CHH	-0.1073
Gm12	17504093	17505045	Gmdrm	hypo	CHH	-0.0676
Gm12	17508637	17509637	Gmdrm	hypo	CHH	-0.0267
Gm12	17554972	17555970	Gmdrm	hypo	CHH	-0.0373
Gm12	17559031	17560026	Gmdrm	hypo	CHH	-0.0306
Gm12	17560032	17561027	Gmdrm	hypo	CHH	-0.0183
Gm12	17603894	17604890	Gmdrm	hypo	CHH	-0.0202
Gm12	17611932	17612237	Gmdrm	hypo	CHH	-0.029
Gm12	17614774	17615753	Gmdrm	hypo	CHH	-0.0211
Gm12	17618981	17619973	Gmdrm	hypo	CHH	-0.047
Gm12	17632927	17633926	Gmdrm	hypo	CHH	-0.0363
Gm12	17649147	17650144	Gmdrm	hypo	CHH	-0.0246
Gm12	17654014	17655013	Gmdrm	hypo	CHH	-0.0155
Gm12	17770124	17771124	Gmdrm	hypo	CHH	-0.0934
Gm12	17787318	17788303	Gmdrm	hypo	CHH	-0.0093
Gm12	17791658	17792402	Gmdrm	hypo	CHH	-0.0766
Gm12	17792506	17793471	Gmdrm	hypo	CHH	-0.1068
Gm12	17814329	17815328	Gmdrm	hypo	CHH	-0.0307
Gm12	17815337	17816291	Gmdrm	hypo	CHH	-0.0199
Gm12	17816621	17816772	Gmdrm	hypo	CHH	-0.031
Gm12	17817143	17817846	Gmdrm	hypo	CHH	-0.0156
Gm12	17844547	17845545	Gmdrm	hypo	CHH	-0.0357
Gm12	17845548	17846292	Gmdrm	hypo	CHH	-0.0917
Gm12	17848614	17849614	Gmdrm	hypo	CHH	-0.0483
Gm12	17850896	17851862	Gmdrm	hypo	CHH	-0.0223
Gm12	17867694	17868584	Gmdrm	hypo	CHH	-0.016
Gm12	17880949	17881947	Gmdrm	hypo	CHH	-0.0329
Gm12	17915859	17916842	Gmdrm	hypo	CHH	-0.0335
Gm12	17925980	17926906	Gmdrm	hypo	CHH	-0.0242
Gm12	17928016	17928493	Gmdrm	hypo	CHH	-0.0489
Gm12	17936712	17937706	Gmdrm	hypo	CHH	-0.0389
Gm12	17937719	17937798	Gmdrm	hypo	CHH	-0.146
Gm12	17937909	17938856	Gmdrm	hypo	CHH	-0.0234
Gm12	17993731	17994708	Gmdrm	hypo	CHH	-0.0287
Gm12	17994769	17995765	Gmdrm	hypo	CHH	-0.141
Gm12	18005874	18006832	Gmdrm	hypo	CHH	-0.0983
Gm12	18059918	18060915	Gmdrm	hypo	CHH	-0.0686

Gm12	18060919	18061430	Gmdrm	hypo	CHH	-0.2456
Gm12	18062174	18062277	Gmdrm	hypo	CHH	-0.0755
Gm12	18068264	18069208	Gmdrm	hypo	CHH	-0.1067
Gm12	18069695	18070074	Gmdrm	hypo	CHH	-0.0832
Gm12	18079916	18080914	Gmdrm	hypo	CHH	-0.0127
Gm12	18080926	18081918	Gmdrm	hypo	CHH	-0.0364
Gm12	18098550	18098578	Gmdrm	hypo	CHH	-0.122
Gm12	18134034	18134383	Gmdrm	hypo	CHH	-0.0645
Gm12	18143059	18143917	Gmdrm	hypo	CHH	-0.0596
Gm12	18144056	18144841	Gmdrm	hypo	CHH	-0.0633
Gm12	18149564	18150561	Gmdrm	hypo	CHH	-0.0473
Gm12	18182708	18183548	Gmdrm	hypo	CHH	-0.0436
Gm12	18211515	18212513	Gmdrm	hypo	CHH	-0.0352
Gm12	18314478	18315461	Gmdrm	hypo	CHH	-0.0144
Gm12	18316498	18316617	Gmdrm	hypo	CHH	-0.0833
Gm12	18350939	18351939	Gmdrm	hypo	CHH	-0.0223
Gm12	18421206	18422197	Gmdrm	hypo	CHH	-0.0307
Gm12	18422208	18423201	Gmdrm	hypo	CHH	-0.1203
Gm12	18424248	18425240	Gmdrm	hypo	CHH	-0.0268
Gm12	18425253	18426253	Gmdrm	hypo	CHH	-0.0632
Gm12	18436311	18436878	Gmdrm	hypo	CHH	-0.027
Gm12	18438769	18439758	Gmdrm	hypo	CHH	-0.0261
Gm12	18440219	18441210	Gmdrm	hypo	CHH	-0.039
Gm12	18456001	18456986	Gmdrm	hypo	CHH	-0.0408
Gm12	18462690	18463300	Gmdrm	hypo	CHH	-0.0644
Gm12	18469833	18470796	Gmdrm	hypo	CHH	-0.0625
Gm12	18473686	18474686	Gmdrm	hypo	CHH	-0.0152
Gm12	18486753	18487752	Gmdrm	hypo	CHH	-0.0228
Gm12	18488786	18489782	Gmdrm	hypo	CHH	-0.0135
Gm12	18490816	18491814	Gmdrm	hypo	CHH	-0.1713
Gm12	18491817	18492815	Gmdrm	hypo	CHH	-0.0371
Gm12	18493569	18494569	Gmdrm	hypo	CHH	-0.2167
Gm12	18494576	18495576	Gmdrm	hypo	CHH	-0.1474
Gm12	18495583	18496583	Gmdrm	hypo	CHH	-0.0353
Gm12	18500806	18501684	Gmdrm	hypo	CHH	-0.0337
Gm12	18502861	18503853	Gmdrm	hypo	CHH	-0.0166
Gm12	18503870	18504870	Gmdrm	hypo	CHH	-0.047
Gm12	18510175	18511002	Gmdrm	hypo	CHH	-0.0175
Gm12	18512420	18513412	Gmdrm	hypo	CHH	-0.0306
Gm12	18543678	18544668	Gmdrm	hypo	CHH	-0.0248
Gm12	18628338	18628955	Gmdrm	hypo	CHH	-0.0266
Gm12	18653833	18654824	Gmdrm	hypo	CHH	-0.0415
Gm12	18828543	18828997	Gmdrm	hypo	CHH	-0.0655
Gm12	18830319	18831074	Gmdrm	hypo	CHH	-0.0486
Gm12	18834261	18834897	Gmdrm	hypo	CHH	-0.0271
Gm12	18835199	18836096	Gmdrm	hypo	CHH	-0.014

Gm12	18858353	18859332	Gmdrm	hypo	CHH	-0.0193
Gm12	18933196	18934194	Gmdrm	hypo	CHH	-0.1
Gm12	18941248	18942241	Gmdrm	hypo	CHH	-0.0507
Gm12	18942297	18943278	Gmdrm	hypo	CHH	-0.012
Gm12	18947163	18948140	Gmdrm	hypo	CHH	-0.0354
Gm12	19094595	19095547	Gmdrm	hypo	CHH	-0.0242
Gm12	19122434	19123427	Gmdrm	hypo	CHH	-0.0724
Gm12	19135318	19135443	Gmdrm	hypo	CHH	-0.0343
Gm12	19140363	19141327	Gmdrm	hypo	CHH	-0.1458
Gm12	19262282	19263280	Gmdrm	hypo	CHH	-0.0513
Gm12	19270995	19271990	Gmdrm	hypo	CHH	-0.0438
Gm12	19276054	19277052	Gmdrm	hypo	CHH	-0.0279
Gm12	19277056	19278041	Gmdrm	hypo	CHH	-0.0142
Gm12	19375965	19376905	Gmdrm	hypo	CHH	-0.0192
Gm12	19376968	19377292	Gmdrm	hypo	CHH	-0.0578
Gm12	19381915	19382893	Gmdrm	hypo	CHH	-0.0232
Gm12	19532000	19532074	Gmdrm	hypo	CHH	-0.1386
Gm12	19575535	19575963	Gmdrm	hypo	CHH	-0.0233
Gm12	19576240	19576770	Gmdrm	hypo	CHH	-0.0297
Gm12	19623158	19624151	Gmdrm	hypo	CHH	-0.056
Gm12	19625520	19626436	Gmdrm	hypo	CHH	-0.1841
Gm12	19626549	19627549	Gmdrm	hypo	CHH	-0.1107
Gm12	19627572	19628572	Gmdrm	hypo	CHH	-0.0261
Gm12	19724355	19725277	Gmdrm	hypo	CHH	-0.0669
Gm12	19752115	19752467	Gmdrm	hypo	CHH	-0.1222
Gm12	19847909	19848425	Gmdrm	hypo	CHH	-0.0181
Gm12	19852541	19853540	Gmdrm	hypo	CHH	-0.0318
Gm12	19872665	19873644	Gmdrm	hypo	CHH	-0.0302
Gm12	19896995	19897993	Gmdrm	hypo	CHH	-0.0601
Gm12	19898017	19899017	Gmdrm	hypo	CHH	-0.0521
Gm12	19983261	19984257	Gmdrm	hypo	CHH	-0.0175
Gm12	20074923	20075840	Gmdrm	hypo	CHH	-0.0261
Gm12	20090097	20091096	Gmdrm	hypo	CHH	-0.0888
Gm12	20092258	20092976	Gmdrm	hypo	CHH	-0.0348
Gm12	20094205	20095200	Gmdrm	hypo	CHH	-0.0771
Gm12	20104724	20104743	Gmdrm	hypo	CHH	-0.304
Gm12	20129461	20129905	Gmdrm	hypo	CHH	-0.0293
Gm12	20130008	20131004	Gmdrm	hypo	CHH	-0.0505
Gm12	20141126	20142126	Gmdrm	hypo	CHH	-0.0392
Gm12	20142129	20142708	Gmdrm	hypo	CHH	-0.0347
Gm12	20157110	20158105	Gmdrm	hypo	CHH	-0.0673
Gm12	20219323	20220323	Gmdrm	hypo	CHH	-0.1077
Gm12	20220326	20221307	Gmdrm	hypo	CHH	-0.0277
Gm12	20285128	20286124	Gmdrm	hypo	CHH	-0.0262
Gm12	20296488	20297333	Gmdrm	hypo	CHH	-0.031
Gm12	20302224	20303224	Gmdrm	hypo	CHH	-0.1494

Gm12	20303232	20304212	Gmdrm	hypo	CHH	-0.0956
Gm12	20305602	20306602	Gmdrm	hypo	CHH	-0.0357
Gm12	20319541	20320537	Gmdrm	hypo	CHH	-0.022
Gm12	20355902	20356900	Gmdrm	hypo	CHH	-0.0409
Gm12	20371264	20372258	Gmdrm	hypo	CHH	-0.0764
Gm12	20372340	20373338	Gmdrm	hypo	CHH	-0.0143
Gm12	20376520	20377500	Gmdrm	hypo	CHH	-0.0198
Gm12	20377528	20378479	Gmdrm	hypo	CHH	-0.0216
Gm12	20450889	20451796	Gmdrm	hypo	CHH	-0.1067
Gm12	20517500	20518417	Gmdrm	hypo	CHH	-0.0283
Gm12	20530911	20531676	Gmdrm	hypo	CHH	-0.0352
Gm12	20536319	20537318	Gmdrm	hypo	CHH	-0.0558
Gm12	20538326	20539292	Gmdrm	hypo	CHH	-0.0121
Gm12	20539345	20540342	Gmdrm	hypo	CHH	-0.0623
Gm12	20540349	20541335	Gmdrm	hypo	CHH	-0.0663
Gm12	20542370	20542880	Gmdrm	hypo	CHH	-0.0419
Gm12	20547113	20547478	Gmdrm	hypo	CHH	-0.2838
Gm12	20551713	20552707	Gmdrm	hypo	CHH	-0.0559
Gm12	20557633	20558623	Gmdrm	hypo	CHH	-0.0265
Gm12	20568782	20569778	Gmdrm	hypo	CHH	-0.026
Gm12	20574910	20575045	Gmdrm	hypo	CHH	-0.065
Gm12	20597248	20598240	Gmdrm	hypo	CHH	-0.0351
Gm12	20598251	20599248	Gmdrm	hypo	CHH	-0.0331
Gm12	20627915	20628914	Gmdrm	hypo	CHH	-0.0533
Gm12	20641442	20641671	Gmdrm	hypo	CHH	-0.1162
Gm12	20714202	20714643	Gmdrm	hypo	CHH	-0.0439
Gm12	20715262	20716256	Gmdrm	hypo	CHH	-0.0139
Gm12	20716266	20717248	Gmdrm	hypo	CHH	-0.0453
Gm12	20720570	20720927	Gmdrm	hypo	CHH	-0.0753
Gm12	20721221	20722220	Gmdrm	hypo	CHH	-0.0393
Gm12	20726312	20727311	Gmdrm	hypo	CHH	-0.0476
Gm12	20732017	20732893	Gmdrm	hypo	CHH	-0.0571
Gm12	20755213	20755954	Gmdrm	hypo	CHH	-0.1451
Gm12	20824822	20825274	Gmdrm	hypo	CHH	-0.0222
Gm12	20825632	20826590	Gmdrm	hypo	CHH	-0.0886
Gm12	20826659	20826868	Gmdrm	hypo	CHH	-0.1074
Gm12	20834393	20835366	Gmdrm	hypo	CHH	-0.0601
Gm12	20836402	20837389	Gmdrm	hypo	CHH	-0.0711
Gm12	20885174	20886168	Gmdrm	hypo	CHH	-0.0346
Gm12	20891900	20892895	Gmdrm	hypo	CHH	-0.0514
Gm12	20892915	20893907	Gmdrm	hypo	CHH	-0.0565
Gm12	20903613	20904609	Gmdrm	hypo	CHH	-0.0887
Gm12	20905624	20906098	Gmdrm	hypo	CHH	-0.037
Gm12	20909867	20910046	Gmdrm	hypo	CHH	-0.028
Gm12	20952615	20953597	Gmdrm	hypo	CHH	-0.0251
Gm12	20954043	20955028	Gmdrm	hypo	CHH	-0.0227

Gm12	20998254	20998394	Gmdrm	hypo	CHH	-0.106
Gm12	21105813	21106787	Gmdrm	hypo	CHH	-0.0199
Gm12	21117854	21118613	Gmdrm	hypo	CHH	-0.1136
Gm12	21121174	21122174	Gmdrm	hypo	CHH	-0.0185
Gm12	21122655	21123654	Gmdrm	hypo	CHH	-0.0476
Gm12	21123668	21124652	Gmdrm	hypo	CHH	-0.0289
Gm12	21137509	21138488	Gmdrm	hypo	CHH	-0.0438
Gm12	21142559	21143550	Gmdrm	hypo	CHH	-0.0472
Gm12	21143670	21144670	Gmdrm	hypo	CHH	-0.0356
Gm12	21145699	21146693	Gmdrm	hypo	CHH	-0.0262
Gm12	21160495	21161485	Gmdrm	hypo	CHH	-0.033
Gm12	21164285	21165285	Gmdrm	hypo	CHH	-0.036
Gm12	21191558	21192536	Gmdrm	hypo	CHH	-0.0558
Gm12	21212453	21213453	Gmdrm	hypo	CHH	-0.0671
Gm12	21220271	21220721	Gmdrm	hypo	CHH	-0.0503
Gm12	21281453	21282448	Gmdrm	hypo	CHH	-0.0486
Gm12	21337016	21338007	Gmdrm	hypo	CHH	-0.028
Gm12	21351886	21352886	Gmdrm	hypo	CHH	-0.0168
Gm12	21373141	21373750	Gmdrm	hypo	CHH	-0.0226
Gm12	21446290	21447283	Gmdrm	hypo	CHH	-0.0307
Gm12	21487649	21488619	Gmdrm	hypo	CHH	-0.028
Gm12	21490342	21490976	Gmdrm	hypo	CHH	-0.0515
Gm12	21534446	21535435	Gmdrm	hypo	CHH	-0.0957
Gm12	21547782	21548781	Gmdrm	hypo	CHH	-0.0545
Gm12	21548784	21549777	Gmdrm	hypo	CHH	-0.1854
Gm12	21552822	21553805	Gmdrm	hypo	CHH	-0.0154
Gm12	21642394	21643364	Gmdrm	hypo	CHH	-0.0218
Gm12	21648212	21649207	Gmdrm	hypo	CHH	-0.2679
Gm12	21679869	21680869	Gmdrm	hypo	CHH	-0.1046
Gm12	21695674	21696674	Gmdrm	hypo	CHH	-0.0259
Gm12	21718169	21718401	Gmdrm	hypo	CHH	-0.0294
Gm12	21718664	21719656	Gmdrm	hypo	CHH	-0.1951
Gm12	21726116	21727108	Gmdrm	hypo	CHH	-0.0763
Gm12	21727457	21728454	Gmdrm	hypo	CHH	-0.0247
Gm12	21728462	21729445	Gmdrm	hypo	CHH	-0.0327
Gm12	21730501	21731500	Gmdrm	hypo	CHH	-0.0621
Gm12	21753227	21754214	Gmdrm	hypo	CHH	-0.0364
Gm12	21754384	21754730	Gmdrm	hypo	CHH	-0.046
Gm12	21755645	21756638	Gmdrm	hypo	CHH	-0.2598
Gm12	21779385	21780008	Gmdrm	hypo	CHH	-0.0298
Gm12	21781352	21782151	Gmdrm	hypo	CHH	-0.0251
Gm12	21814070	21814103	Gmdrm	hypo	CHH	-0.2
Gm12	21853809	21854684	Gmdrm	hypo	CHH	-0.0342
Gm12	21857468	21858455	Gmdrm	hypo	CHH	-0.0323
Gm12	21858520	21859517	Gmdrm	hypo	CHH	-0.0248
Gm12	21859620	21860564	Gmdrm	hypo	CHH	-0.1062

Gm12	21860634	21861381	Gmdrm	hypo	CHH	-0.1098
Gm12	21861798	21862777	Gmdrm	hypo	CHH	-0.0597
Gm12	21885567	21886566	Gmdrm	hypo	CHH	-0.0211
Gm12	21893168	21894156	Gmdrm	hypo	CHH	-0.0471
Gm12	21896108	21897107	Gmdrm	hypo	CHH	-0.0216
Gm12	21902503	21902978	Gmdrm	hypo	CHH	-0.0257
Gm12	21903574	21904547	Gmdrm	hypo	CHH	-0.0317
Gm12	21932408	21933391	Gmdrm	hypo	CHH	-0.0135
Gm12	21941107	21941587	Gmdrm	hypo	CHH	-0.0163
Gm12	21946145	21947145	Gmdrm	hypo	CHH	-0.013
Gm12	21947154	21948147	Gmdrm	hypo	CHH	-0.0178
Gm12	21952172	21952763	Gmdrm	hypo	CHH	-0.0976
Gm12	21984061	21985061	Gmdrm	hypo	CHH	-0.0607
Gm12	21985064	21985840	Gmdrm	hypo	CHH	-0.0654
Gm12	21991523	21991897	Gmdrm	hypo	CHH	-0.0361
Gm12	21998277	21999250	Gmdrm	hypo	CHH	-0.0273
Gm12	22002652	22003652	Gmdrm	hypo	CHH	-0.0613
Gm12	22058281	22059279	Gmdrm	hypo	CHH	-0.0218
Gm12	22059294	22060103	Gmdrm	hypo	CHH	-0.0193
Gm12	22093377	22094344	Gmdrm	hypo	CHH	-0.0305
Gm12	22101778	22102773	Gmdrm	hypo	CHH	-0.0536
Gm12	22219910	22219949	Gmdrm	hypo	CHH	-0.2271
Gm12	22382162	22382240	Gmdrm	hypo	CHH	-0.16
Gm12	22470696	22471688	Gmdrm	hypo	CHH	-0.0462
Gm12	22570970	22571175	Gmdrm	hypo	CHH	-0.22
Gm12	22672441	22673431	Gmdrm	hypo	CHH	-0.0516
Gm12	22673480	22674290	Gmdrm	hypo	CHH	-0.0412
Gm12	22679541	22680465	Gmdrm	hypo	CHH	-0.0226
Gm12	22766007	22766999	Gmdrm	hypo	CHH	-0.2207
Gm12	22767012	22768011	Gmdrm	hypo	CHH	-0.0816
Gm12	22785556	22786335	Gmdrm	hypo	CHH	-0.079
Gm12	22786440	22787433	Gmdrm	hypo	CHH	-0.1225
Gm12	22857440	22858433	Gmdrm	hypo	CHH	-0.0833
Gm12	23046400	23047397	Gmdrm	hypo	CHH	-0.0362
Gm12	23047404	23048397	Gmdrm	hypo	CHH	-0.034
Gm12	23055961	23056271	Gmdrm	hypo	CHH	-0.1159
Gm12	23059963	23060960	Gmdrm	hypo	CHH	-0.0423
Gm12	23060964	23061960	Gmdrm	hypo	CHH	-0.044
Gm12	23076467	23077402	Gmdrm	hypo	CHH	-0.0607
Gm12	23137839	23138834	Gmdrm	hypo	CHH	-0.0528
Gm12	23139866	23140840	Gmdrm	hypo	CHH	-0.0183
Gm12	23141942	23142940	Gmdrm	hypo	CHH	-0.0234
Gm12	23173828	23174787	Gmdrm	hypo	CHH	-0.0453
Gm12	23212376	23213357	Gmdrm	hypo	CHH	-0.0436
Gm12	23213397	23214397	Gmdrm	hypo	CHH	-0.07
Gm12	23214419	23215419	Gmdrm	hypo	CHH	-0.0187

Gm12	23215425	23216418	Gmdrm	hypo	CHH	-0.0206
Gm12	23271608	23272562	Gmdrm	hypo	CHH	-0.0592
Gm12	23710068	23710193	Gmdrm	hypo	CHH	-0.112
Gm12	23710321	23711317	Gmdrm	hypo	CHH	-0.099
Gm12	23711692	23711791	Gmdrm	hypo	CHH	-0.1238
Gm12	23770925	23771913	Gmdrm	hypo	CHH	-0.1142
Gm12	23771926	23772882	Gmdrm	hypo	CHH	-0.0208
Gm12	23772927	23773916	Gmdrm	hypo	CHH	-0.115
Gm12	23773937	23774925	Gmdrm	hypo	CHH	-0.085
Gm12	23777940	23778925	Gmdrm	hypo	CHH	-0.0918
Gm12	23778948	23779938	Gmdrm	hypo	CHH	-0.0412
Gm12	23797391	23798389	Gmdrm	hypo	CHH	-0.0426
Gm12	23824201	23824337	Gmdrm	hypo	CHH	-0.1053
Gm12	23849202	23849635	Gmdrm	hypo	CHH	-0.0178
Gm12	23849778	23850767	Gmdrm	hypo	CHH	-0.0276
Gm12	23851794	23852793	Gmdrm	hypo	CHH	-0.0219
Gm12	23852797	23853771	Gmdrm	hypo	CHH	-0.0142
Gm12	23867503	23868500	Gmdrm	hypo	CHH	-0.0382
Gm12	23869522	23870510	Gmdrm	hypo	CHH	-0.0329
Gm12	23870537	23871537	Gmdrm	hypo	CHH	-0.0673
Gm12	23884141	23885116	Gmdrm	hypo	CHH	-0.0841
Gm12	23889125	23890120	Gmdrm	hypo	CHH	-0.046
Gm12	23890133	23890550	Gmdrm	hypo	CHH	-0.2705
Gm12	23890853	23891314	Gmdrm	hypo	CHH	-0.0343
Gm12	23905775	23906771	Gmdrm	hypo	CHH	-0.0847
Gm12	23906778	23907767	Gmdrm	hypo	CHH	-0.3179
Gm12	23907781	23908038	Gmdrm	hypo	CHH	-0.0922
Gm12	23909797	23910754	Gmdrm	hypo	CHH	-0.0416
Gm12	24067193	24068165	Gmdrm	hypo	CHH	-0.016
Gm12	24074108	24074696	Gmdrm	hypo	CHH	-0.0305
Gm12	24078074	24078571	Gmdrm	hypo	CHH	-0.0461
Gm12	24078779	24079779	Gmdrm	hypo	CHH	-0.0226
Gm12	24080366	24081355	Gmdrm	hypo	CHH	-0.0667
Gm12	24081388	24082379	Gmdrm	hypo	CHH	-0.0329
Gm12	24083391	24084380	Gmdrm	hypo	CHH	-0.0239
Gm12	24084396	24085387	Gmdrm	hypo	CHH	-0.0163
Gm12	24149342	24150310	Gmdrm	hypo	CHH	-0.0508
Gm12	24158336	24159336	Gmdrm	hypo	CHH	-0.0451
Gm12	24159349	24160349	Gmdrm	hypo	CHH	-0.1328
Gm12	24237188	24238164	Gmdrm	hypo	CHH	-0.1877
Gm12	24244771	24245749	Gmdrm	hypo	CHH	-0.0237
Gm12	24348112	24348188	Gmdrm	hypo	CHH	-0.042
Gm12	24349334	24350334	Gmdrm	hypo	CHH	-0.0432
Gm12	24350336	24351333	Gmdrm	hypo	CHH	-0.0385
Gm12	24525925	24526925	Gmdrm	hypo	CHH	-0.032
Gm12	24535980	24536853	Gmdrm	hypo	CHH	-0.0638

Gm12	24537200	24538171	Gmdrm	hypo	CHH	-0.0123
Gm12	24552915	24553889	Gmdrm	hypo	CHH	-0.0178
Gm12	24554965	24555937	Gmdrm	hypo	CHH	-0.0505
Gm12	24557025	24558016	Gmdrm	hypo	CHH	-0.0196
Gm12	24560547	24561547	Gmdrm	hypo	CHH	-0.0248
Gm12	24561551	24562550	Gmdrm	hypo	CHH	-0.0635
Gm12	24569649	24570649	Gmdrm	hypo	CHH	-0.0636
Gm12	24570652	24571631	Gmdrm	hypo	CHH	-0.0702
Gm12	24571656	24572630	Gmdrm	hypo	CHH	-0.0211
Gm12	24639637	24640636	Gmdrm	hypo	CHH	-0.0596
Gm12	24649599	24650596	Gmdrm	hypo	CHH	-0.1711
Gm12	24878340	24879333	Gmdrm	hypo	CHH	-0.0349
Gm12	24887454	24888071	Gmdrm	hypo	CHH	-0.083
Gm12	24888295	24888362	Gmdrm	hypo	CHH	-0.1846
Gm12	24911046	24911576	Gmdrm	hypo	CHH	-0.0664
Gm12	24914385	24915355	Gmdrm	hypo	CHH	-0.0697
Gm12	24925669	24926659	Gmdrm	hypo	CHH	-0.0446
Gm12	25033338	25034336	Gmdrm	hypo	CHH	-0.036
Gm12	25047942	25048899	Gmdrm	hypo	CHH	-0.032
Gm12	25068765	25069432	Gmdrm	hypo	CHH	-0.0122
Gm12	25089874	25090192	Gmdrm	hypo	CHH	-0.033
Gm12	25230853	25231096	Gmdrm	hypo	CHH	-0.1115
Gm12	25426237	25427177	Gmdrm	hypo	CHH	-0.0626
Gm12	25494005	25495005	Gmdrm	hypo	CHH	-0.0617
Gm12	25495011	25496001	Gmdrm	hypo	CHH	-0.0735
Gm12	25501436	25502425	Gmdrm	hypo	CHH	-0.1478
Gm12	25502441	25503435	Gmdrm	hypo	CHH	-0.0547
Gm12	25503444	25503871	Gmdrm	hypo	CHH	-0.1325
Gm12	25505368	25506367	Gmdrm	hypo	CHH	-0.0663
Gm12	25510402	25511395	Gmdrm	hypo	CHH	-0.1175
Gm12	25511416	25512395	Gmdrm	hypo	CHH	-0.0759
Gm12	25654277	25654336	Gmdrm	hypo	CHH	-0.0867
Gm12	25679738	25680723	Gmdrm	hypo	CHH	-0.0417
Gm12	25793837	25794824	Gmdrm	hypo	CHH	-0.0528
Gm12	25800561	25801553	Gmdrm	hypo	CHH	-0.0278
Gm12	25806765	25807734	Gmdrm	hypo	CHH	-0.0295
Gm12	25844393	25844723	Gmdrm	hypo	CHH	-0.0633
Gm12	25957549	25958541	Gmdrm	hypo	CHH	-0.0334
Gm12	26130221	26130932	Gmdrm	hypo	CHH	-0.0228
Gm12	26139452	26140425	Gmdrm	hypo	CHH	-0.0175
Gm12	26277544	26277587	Gmdrm	hypo	CHH	-0.2055
Gm12	26342651	26343208	Gmdrm	hypo	CHH	-0.0151
Gm12	26449684	26450678	Gmdrm	hypo	CHH	-0.0506
Gm12	26529866	26530312	Gmdrm	hypo	CHH	-0.0213
Gm12	26608788	26609787	Gmdrm	hypo	CHH	-0.0131
Gm12	26794876	26794954	Gmdrm	hypo	CHH	-0.15

Gm12	27027192	27027331	Gmdrm	hypo	CHH	-0.1127
Gm12	27228850	27229465	Gmdrm	hypo	CHH	-0.0638
Gm12	27304385	27305385	Gmdrm	hypo	CHH	-0.1658
Gm12	27310650	27311644	Gmdrm	hypo	CHH	-0.0407
Gm12	27337068	27338057	Gmdrm	hypo	CHH	-0.0618
Gm12	27363615	27364518	Gmdrm	hypo	CHH	-0.1256
Gm12	27366836	27367788	Gmdrm	hypo	CHH	-0.0397
Gm12	27368884	27369874	Gmdrm	hypo	CHH	-0.0386
Gm12	27405708	27406704	Gmdrm	hypo	CHH	-0.0644
Gm12	27444120	27444184	Gmdrm	hypo	CHH	-0.0788
Gm12	27467098	27468081	Gmdrm	hypo	CHH	-0.0198
Gm12	27477224	27478223	Gmdrm	hypo	CHH	-0.0512
Gm12	27479280	27480277	Gmdrm	hypo	CHH	-0.0419
Gm12	27937404	27938404	Gmdrm	hypo	CHH	-0.0464
Gm12	27938405	27939126	Gmdrm	hypo	CHH	-0.1145
Gm12	27944170	27944839	Gmdrm	hypo	CHH	-0.0466
Gm12	28059716	28059828	Gmdrm	hypo	CHH	-0.1183
Gm12	28091843	28092077	Gmdrm	hypo	CHH	-0.17
Gm12	28174958	28175879	Gmdrm	hypo	CHH	-0.0184
Gm12	28352707	28353703	Gmdrm	hypo	CHH	-0.1126
Gm12	28429086	28429348	Gmdrm	hypo	CHH	-0.101
Gm12	28537847	28538847	Gmdrm	hypo	CHH	-0.0671
Gm12	28539890	28540873	Gmdrm	hypo	CHH	-0.0198
Gm12	28568602	28569076	Gmdrm	hypo	CHH	-0.0967
Gm12	28574810	28574882	Gmdrm	hypo	CHH	-0.27
Gm12	28606584	28607584	Gmdrm	hypo	CHH	-0.0257
Gm12	28721791	28722755	Gmdrm	hypo	CHH	-0.0136
Gm12	28923192	28924191	Gmdrm	hypo	CHH	-0.06
Gm12	29020667	29021475	Gmdrm	hypo	CHH	-0.0365
Gm12	29025713	29026560	Gmdrm	hypo	CHH	-0.0126
Gm12	29570290	29571288	Gmdrm	hypo	CHH	-0.0228
Gm12	29576605	29577015	Gmdrm	hypo	CHH	-0.1555
Gm12	29823790	29824787	Gmdrm	hypo	CHH	-0.0226
Gm12	29895784	29896729	Gmdrm	hypo	CHH	-0.1171
Gm12	29902271	29903257	Gmdrm	hypo	CHH	-0.1111
Gm12	29903422	29904419	Gmdrm	hypo	CHH	-0.071
Gm12	29904423	29905421	Gmdrm	hypo	CHH	-0.0597
Gm12	30091782	30092780	Gmdrm	hypo	CHH	-0.0617
Gm12	30243388	30244374	Gmdrm	hypo	CHH	-0.064
Gm12	30252464	30253463	Gmdrm	hypo	CHH	-0.051
Gm12	30371897	30371976	Gmdrm	hypo	CHH	-0.112
Gm12	30458778	30458916	Gmdrm	hypo	CHH	-0.0917
Gm12	30484548	30485528	Gmdrm	hypo	CHH	-0.0349
Gm12	30485551	30486542	Gmdrm	hypo	CHH	-0.0239
Gm12	30487567	30488567	Gmdrm	hypo	CHH	-0.029
Gm12	30488569	30489568	Gmdrm	hypo	CHH	-0.0627

Gm12	30489575	30490532	Gmdrm	hypo	CHH	-0.0309
Gm12	30491606	30492600	Gmdrm	hypo	CHH	-0.0753
Gm12	30492609	30492743	Gmdrm	hypo	CHH	-0.1172
Gm12	30495712	30496711	Gmdrm	hypo	CHH	-0.0364
Gm12	30653540	30654527	Gmdrm	hypo	CHH	-0.0178
Gm12	30658145	30659144	Gmdrm	hypo	CHH	-0.0252
Gm12	30733218	30733345	Gmdrm	hypo	CHH	-0.12
Gm12	30793586	30794584	Gmdrm	hypo	CHH	-0.0175
Gm12	30804999	30805999	Gmdrm	hypo	CHH	-0.0488
Gm12	30806009	30807003	Gmdrm	hypo	CHH	-0.0194
Gm12	30808819	30809813	Gmdrm	hypo	CHH	-0.0513
Gm12	30812437	30813432	Gmdrm	hypo	CHH	-0.0209
Gm12	30823054	30823198	Gmdrm	hypo	CHH	-0.0805
Gm12	30823701	30824339	Gmdrm	hypo	CHH	-0.0668
Gm12	30839599	30840595	Gmdrm	hypo	CHH	-0.046
Gm12	30841711	30842579	Gmdrm	hypo	CHH	-0.0808
Gm12	30872863	30873851	Gmdrm	hypo	CHH	-0.0126
Gm12	30873864	30874480	Gmdrm	hypo	CHH	-0.0257
Gm12	30878149	30879145	Gmdrm	hypo	CHH	-0.1269
Gm12	30879155	30880155	Gmdrm	hypo	CHH	-0.2057
Gm12	30887403	30888403	Gmdrm	hypo	CHH	-0.1633
Gm12	30967916	30968059	Gmdrm	hypo	CHH	-0.1162
Gm12	31116664	31116725	Gmdrm	hypo	CHH	-0.07
Gm12	31164886	31165884	Gmdrm	hypo	CHH	-0.0709
Gm12	31262483	31263482	Gmdrm	hypo	CHH	-0.0573
Gm12	31288768	31289762	Gmdrm	hypo	CHH	-0.0317
Gm12	31312981	31313981	Gmdrm	hypo	CHH	-0.0388
Gm12	31314986	31315986	Gmdrm	hypo	CHH	-0.0176
Gm12	31438446	31439443	Gmdrm	hypo	CHH	-0.0542
Gm12	31439466	31440422	Gmdrm	hypo	CHH	-0.0291
Gm12	31440635	31441224	Gmdrm	hypo	CHH	-0.0627
Gm12	31441672	31442666	Gmdrm	hypo	CHH	-0.1114
Gm12	31442748	31442962	Gmdrm	hypo	CHH	-0.07
Gm12	31444480	31445470	Gmdrm	hypo	CHH	-0.0395
Gm12	31445492	31446476	Gmdrm	hypo	CHH	-0.2053
Gm12	31449852	31450852	Gmdrm	hypo	CHH	-0.0661
Gm12	31543561	31544220	Gmdrm	hypo	CHH	-0.0451
Gm12	31642846	31642940	Gmdrm	hypo	CHH	-0.085
Gm12	31665124	31666101	Gmdrm	hypo	CHH	-0.0296
Gm12	31757372	31757942	Gmdrm	hypo	CHH	-0.0274
Gm12	31845751	31846726	Gmdrm	hypo	CHH	-0.0252
Gm12	31911431	31912253	Gmdrm	hypo	CHH	-0.0165
Gm12	31912372	31912797	Gmdrm	hypo	CHH	-0.232
Gm12	31918028	31918566	Gmdrm	hypo	CHH	-0.1057
Gm12	31923624	31924614	Gmdrm	hypo	CHH	-0.0477
Gm12	31976677	31977677	Gmdrm	hypo	CHH	-0.025

Gm12	31979900	31980885	Gmdrm	hypo	CHH	-0.0185
Gm12	32047728	32048719	Gmdrm	hypo	CHH	-0.0512
Gm12	32068370	32069367	Gmdrm	hypo	CHH	-0.029
Gm12	32069377	32069966	Gmdrm	hypo	CHH	-0.0929
Gm12	32070069	32070225	Gmdrm	hypo	CHH	-0.1883
Gm12	32070336	32071326	Gmdrm	hypo	CHH	-0.0416
Gm12	32071448	32072448	Gmdrm	hypo	CHH	-0.0406
Gm12	32075001	32076000	Gmdrm	hypo	CHH	-0.0673
Gm12	32077026	32078023	Gmdrm	hypo	CHH	-0.0413
Gm12	32093712	32093904	Gmdrm	hypo	CHH	-0.05
Gm12	32175818	32176805	Gmdrm	hypo	CHH	-0.1679
Gm12	32178909	32179887	Gmdrm	hypo	CHH	-0.0331
Gm12	32179926	32180925	Gmdrm	hypo	CHH	-0.0184
Gm12	32197412	32198411	Gmdrm	hypo	CHH	-0.0151
Gm12	32200673	32201671	Gmdrm	hypo	CHH	-0.0495
Gm12	32240532	32241187	Gmdrm	hypo	CHH	-0.0583
Gm12	32252452	32252968	Gmdrm	hypo	CHH	-0.124
Gm12	32280107	32280879	Gmdrm	hypo	CHH	-0.0508
Gm12	32281035	32281731	Gmdrm	hypo	CHH	-0.1141
Gm12	32283891	32284885	Gmdrm	hypo	CHH	-0.0632
Gm12	32284899	32285899	Gmdrm	hypo	CHH	-0.0755
Gm12	32285927	32286927	Gmdrm	hypo	CHH	-0.0333
Gm12	32286931	32287925	Gmdrm	hypo	CHH	-0.0426
Gm12	32293118	32293739	Gmdrm	hypo	CHH	-0.0434
Gm12	32325104	32325389	Gmdrm	hypo	CHH	-0.0384
Gm12	32327966	32328963	Gmdrm	hypo	CHH	-0.0374
Gm12	32333572	32334570	Gmdrm	hypo	CHH	-0.0145
Gm12	32346673	32347634	Gmdrm	hypo	CHH	-0.0343
Gm12	32347689	32348304	Gmdrm	hypo	CHH	-0.0335
Gm12	32360343	32361335	Gmdrm	hypo	CHH	-0.1548
Gm12	32361348	32362340	Gmdrm	hypo	CHH	-0.0952
Gm12	32372575	32373557	Gmdrm	hypo	CHH	-0.0753
Gm12	32375132	32375342	Gmdrm	hypo	CHH	-0.0609
Gm12	32616749	32617749	Gmdrm	hypo	CHH	-0.0259
Gm12	32617754	32618746	Gmdrm	hypo	CHH	-0.0274
Gm12	32618977	32619973	Gmdrm	hypo	CHH	-0.0381
Gm12	32726952	32727191	Gmdrm	hypo	CHH	-0.0217
Gm12	32733517	32734513	Gmdrm	hypo	CHH	-0.0343
Gm12	32788655	32788942	Gmdrm	hypo	CHH	-0.0994
Gm12	32793331	32794324	Gmdrm	hypo	CHH	-0.0834
Gm12	32795339	32796211	Gmdrm	hypo	CHH	-0.0505
Gm12	32797334	32798333	Gmdrm	hypo	CHH	-0.0413
Gm12	32807431	32808426	Gmdrm	hypo	CHH	-0.0265
Gm12	32910479	32910956	Gmdrm	hypo	CHH	-0.0192
Gm12	32917203	32918193	Gmdrm	hypo	CHH	-0.0742
Gm12	32963424	32963859	Gmdrm	hypo	CHH	-0.0736

Gm12	33122431	33123142	Gmdrm	hypo	CHH	-0.1172
Gm12	33176508	33177479	Gmdrm	hypo	CHH	-0.2255
Gm12	33178569	33179536	Gmdrm	hypo	CHH	-0.0164
Gm12	33180490	33181472	Gmdrm	hypo	CHH	-0.2922
Gm12	33182538	33183535	Gmdrm	hypo	CHH	-0.0694
Gm12	33193647	33194641	Gmdrm	hypo	CHH	-0.0432
Gm12	33210489	33211481	Gmdrm	hypo	CHH	-0.0416
Gm12	33211491	33212423	Gmdrm	hypo	CHH	-0.2653
Gm12	33224140	33224440	Gmdrm	hypo	CHH	-0.0475
Gm12	33225115	33226115	Gmdrm	hypo	CHH	-0.02
Gm12	33230129	33231115	Gmdrm	hypo	CHH	-0.0169
Gm12	33231147	33232145	Gmdrm	hypo	CHH	-0.0217
Gm12	33293321	33294095	Gmdrm	hypo	CHH	-0.0542
Gm12	33295837	33296837	Gmdrm	hypo	CHH	-0.1433
Gm12	33296845	33297843	Gmdrm	hypo	CHH	-0.0577
Gm12	33304328	33305323	Gmdrm	hypo	CHH	-0.0429
Gm12	33305339	33306325	Gmdrm	hypo	CHH	-0.0399
Gm12	33310428	33310612	Gmdrm	hypo	CHH	-0.0583
Gm12	33313506	33314487	Gmdrm	hypo	CHH	-0.052
Gm12	33320267	33321262	Gmdrm	hypo	CHH	-0.0166
Gm12	33334370	33335370	Gmdrm	hypo	CHH	-0.1393
Gm12	33335376	33336369	Gmdrm	hypo	CHH	-0.0631
Gm12	33336396	33337395	Gmdrm	hypo	CHH	-0.0426
Gm12	33337409	33338352	Gmdrm	hypo	CHH	-0.0285
Gm12	33341099	33342059	Gmdrm	hypo	CHH	-0.0184
Gm12	33374249	33375229	Gmdrm	hypo	CHH	-0.0196
Gm12	33379518	33380505	Gmdrm	hypo	CHH	-0.048
Gm12	33398427	33399425	Gmdrm	hypo	CHH	-0.0167
Gm12	33410594	33410739	Gmdrm	hypo	CHH	-0.0736
Gm12	33412873	33413858	Gmdrm	hypo	CHH	-0.0123
Gm12	33414894	33415892	Gmdrm	hypo	CHH	-0.2812
Gm12	33417945	33418942	Gmdrm	hypo	CHH	-0.0162
Gm12	33424987	33425965	Gmdrm	hypo	CHH	-0.1308
Gm12	33425990	33426989	Gmdrm	hypo	CHH	-0.02
Gm12	33427682	33428119	Gmdrm	hypo	CHH	-0.0408
Gm12	33438123	33438816	Gmdrm	hypo	CHH	-0.0406
Gm12	33459804	33460796	Gmdrm	hypo	CHH	-0.0393
Gm12	33480581	33481558	Gmdrm	hypo	CHH	-0.0235
Gm12	33491303	33492297	Gmdrm	hypo	CHH	-0.0175
Gm12	33494726	33495699	Gmdrm	hypo	CHH	-0.1355
Gm12	33495763	33496755	Gmdrm	hypo	CHH	-0.0198
Gm12	33516377	33517375	Gmdrm	hypo	CHH	-0.06
Gm12	33525571	33526564	Gmdrm	hypo	CHH	-0.0702
Gm12	33535404	33536403	Gmdrm	hypo	CHH	-0.0699
Gm12	33559157	33560146	Gmdrm	hypo	CHH	-0.1115
Gm12	33563352	33564344	Gmdrm	hypo	CHH	-0.0188

Gm12	33572301	33573291	Gmdrm	hypo	CHH	-0.0292
Gm12	33612229	33613185	Gmdrm	hypo	CHH	-0.0409
Gm12	33621256	33622230	Gmdrm	hypo	CHH	-0.1273
Gm12	33635194	33636180	Gmdrm	hypo	CHH	-0.0632
Gm12	33636201	33637197	Gmdrm	hypo	CHH	-0.03
Gm12	33638712	33639642	Gmdrm	hypo	CHH	-0.1032
Gm12	33639720	33640713	Gmdrm	hypo	CHH	-0.0248
Gm12	33640723	33641715	Gmdrm	hypo	CHH	-0.0261
Gm12	33652777	33653367	Gmdrm	hypo	CHH	-0.0551
Gm12	33661879	33662845	Gmdrm	hypo	CHH	-0.3468
Gm12	33664575	33665307	Gmdrm	hypo	CHH	-0.0189
Gm12	33710376	33711367	Gmdrm	hypo	CHH	-0.0357
Gm12	33715184	33716156	Gmdrm	hypo	CHH	-0.0253
Gm12	33739990	33740970	Gmdrm	hypo	CHH	-0.0257
Gm12	33744506	33745267	Gmdrm	hypo	CHH	-0.0309
Gm12	33762472	33763449	Gmdrm	hypo	CHH	-0.0505
Gm12	33764264	33765252	Gmdrm	hypo	CHH	-0.0609
Gm12	33780392	33781378	Gmdrm	hypo	CHH	-0.0812
Gm12	33790729	33791721	Gmdrm	hypo	CHH	-0.018
Gm12	33791730	33792406	Gmdrm	hypo	CHH	-0.0857
Gm12	33800152	33801120	Gmdrm	hypo	CHH	-0.0233
Gm12	33801215	33802209	Gmdrm	hypo	CHH	-0.0485
Gm12	33829542	33830533	Gmdrm	hypo	CHH	-0.0391
Gm12	33849842	33850835	Gmdrm	hypo	CHH	-0.0509
Gm12	33850860	33851844	Gmdrm	hypo	CHH	-0.0613
Gm12	33863376	33864307	Gmdrm	hypo	CHH	-0.0208
Gm12	33875354	33876344	Gmdrm	hypo	CHH	-0.0495
Gm12	33876374	33877369	Gmdrm	hypo	CHH	-0.1097
Gm12	33887495	33888466	Gmdrm	hypo	CHH	-0.0326
Gm12	33916466	33917032	Gmdrm	hypo	CHH	-0.019
Gm12	33923947	33924930	Gmdrm	hypo	CHH	-0.0841
Gm12	33935773	33936771	Gmdrm	hypo	CHH	-0.1474
Gm12	33950022	33951017	Gmdrm	hypo	CHH	-0.0232
Gm12	33965430	33966425	Gmdrm	hypo	CHH	-0.3813
Gm12	33969456	33970427	Gmdrm	hypo	CHH	-0.4399
Gm12	33971515	33971827	Gmdrm	hypo	CHH	-0.0942
Gm12	33972267	33973249	Gmdrm	hypo	CHH	-0.0186
Gm12	33973269	33974240	Gmdrm	hypo	CHH	-0.0231
Gm12	33982181	33983131	Gmdrm	hypo	CHH	-0.0492
Gm12	33983189	33984171	Gmdrm	hypo	CHH	-0.0791
Gm12	33984221	33985207	Gmdrm	hypo	CHH	-0.0567
Gm12	33985224	33985661	Gmdrm	hypo	CHH	-0.0237
Gm12	33985772	33986746	Gmdrm	hypo	CHH	-0.0982
Gm12	33994120	33994195	Gmdrm	hypo	CHH	-0.13
Gm12	33994313	33994756	Gmdrm	hypo	CHH	-0.1558
Gm12	34012870	34013866	Gmdrm	hypo	CHH	-0.0606

Gm12	34014872	34015870	Gmdrm	hypo	CHH	-0.1924
Gm12	34016911	34017630	Gmdrm	hypo	CHH	-0.0346
Gm12	34042688	34043687	Gmdrm	hypo	CHH	-0.0457
Gm12	34043690	34044685	Gmdrm	hypo	CHH	-0.1031
Gm12	34079777	34080751	Gmdrm	hypo	CHH	-0.0284
Gm12	34100010	34101006	Gmdrm	hypo	CHH	-0.0151
Gm12	34106011	34107005	Gmdrm	hypo	CHH	-0.077
Gm12	34107017	34108009	Gmdrm	hypo	CHH	-0.1245
Gm12	34116036	34117027	Gmdrm	hypo	CHH	-0.0475
Gm12	34123161	34123773	Gmdrm	hypo	CHH	-0.3045
Gm12	34124852	34125848	Gmdrm	hypo	CHH	-0.0331
Gm12	34125860	34126736	Gmdrm	hypo	CHH	-0.0458
Gm12	34127220	34128215	Gmdrm	hypo	CHH	-0.038
Gm12	34128231	34129224	Gmdrm	hypo	CHH	-0.1115
Gm12	34130241	34131221	Gmdrm	hypo	CHH	-0.0298
Gm12	34131244	34132242	Gmdrm	hypo	CHH	-0.1238
Gm12	34132248	34133244	Gmdrm	hypo	CHH	-0.1521
Gm12	34134835	34135833	Gmdrm	hypo	CHH	-0.0344
Gm12	34135846	34136589	Gmdrm	hypo	CHH	-0.0187
Gm12	34137715	34138710	Gmdrm	hypo	CHH	-0.0376
Gm12	34139909	34140896	Gmdrm	hypo	CHH	-0.1604
Gm12	34145458	34145576	Gmdrm	hypo	CHH	-0.062
Gm12	34147596	34148529	Gmdrm	hypo	CHH	-0.0144
Gm12	34172939	34173581	Gmdrm	hypo	CHH	-0.121
Gm12	34179422	34180417	Gmdrm	hypo	CHH	-0.0499
Gm12	34180425	34181425	Gmdrm	hypo	CHH	-0.0222
Gm12	34181429	34182275	Gmdrm	hypo	CHH	-0.0398
Gm12	34183405	34184398	Gmdrm	hypo	CHH	-0.0715
Gm12	34201090	34202086	Gmdrm	hypo	CHH	-0.0415
Gm12	34203122	34204119	Gmdrm	hypo	CHH	-0.0232
Gm12	34205005	34205979	Gmdrm	hypo	CHH	-0.0142
Gm12	34211021	34211133	Gmdrm	hypo	CHH	-0.0543
Gm12	34216074	34217071	Gmdrm	hypo	CHH	-0.0234
Gm12	34219768	34220765	Gmdrm	hypo	CHH	-0.0544
Gm12	34229379	34230375	Gmdrm	hypo	CHH	-0.0348
Gm12	34239435	34240424	Gmdrm	hypo	CHH	-0.101
Gm12	34247063	34247644	Gmdrm	hypo	CHH	-0.035
Gm12	34257731	34258725	Gmdrm	hypo	CHH	-0.2667
Gm12	34258734	34258792	Gmdrm	hypo	CHH	-0.43
Gm12	34278745	34279741	Gmdrm	hypo	CHH	-0.0351
Gm12	34339753	34339971	Gmdrm	hypo	CHH	-0.0842
Gm12	34341989	34342980	Gmdrm	hypo	CHH	-0.0446
Gm12	34342998	34343981	Gmdrm	hypo	CHH	-0.0682
Gm12	34345048	34346048	Gmdrm	hypo	CHH	-0.0429
Gm12	34346053	34347053	Gmdrm	hypo	CHH	-0.1801
Gm12	34348115	34349114	Gmdrm	hypo	CHH	-0.0544

Gm12	34352174	34353166	Gmdrm	hypo	CHH	-0.0452
Gm12	34356198	34357181	Gmdrm	hypo	CHH	-0.0368
Gm12	34377397	34378393	Gmdrm	hypo	CHH	-0.0314
Gm12	34378403	34379400	Gmdrm	hypo	CHH	-0.045
Gm12	34381447	34382413	Gmdrm	hypo	CHH	-0.0165
Gm12	34410837	34411836	Gmdrm	hypo	CHH	-0.1546
Gm12	34411839	34412824	Gmdrm	hypo	CHH	-0.0877
Gm12	34412841	34413841	Gmdrm	hypo	CHH	-0.0563
Gm12	34413842	34414830	Gmdrm	hypo	CHH	-0.1607
Gm12	34424449	34425444	Gmdrm	hypo	CHH	-0.0544
Gm12	34432821	34433820	Gmdrm	hypo	CHH	-0.0599
Gm12	34435841	34436384	Gmdrm	hypo	CHH	-0.2119
Gm12	34441228	34442193	Gmdrm	hypo	CHH	-0.0323
Gm12	34442230	34443219	Gmdrm	hypo	CHH	-0.056
Gm12	34443240	34444233	Gmdrm	hypo	CHH	-0.0177
Gm12	34455678	34456671	Gmdrm	hypo	CHH	-0.0154
Gm12	34461264	34462256	Gmdrm	hypo	CHH	-0.0293
Gm12	34464286	34465243	Gmdrm	hypo	CHH	-0.0165
Gm12	34480259	34481258	Gmdrm	hypo	CHH	-0.0621
Gm12	34495273	34496272	Gmdrm	hypo	CHH	-0.0444
Gm12	34496275	34497257	Gmdrm	hypo	CHH	-0.1136
Gm12	34497902	34498896	Gmdrm	hypo	CHH	-0.0212
Gm12	34506172	34507172	Gmdrm	hypo	CHH	-0.1887
Gm12	34507175	34508175	Gmdrm	hypo	CHH	-0.0765
Gm12	34512891	34513891	Gmdrm	hypo	CHH	-0.0179
Gm12	34525867	34526723	Gmdrm	hypo	CHH	-0.0341
Gm12	34526879	34527280	Gmdrm	hypo	CHH	-0.0416
Gm12	34534591	34535575	Gmdrm	hypo	CHH	-0.0274
Gm12	34539976	34540974	Gmdrm	hypo	CHH	-0.1509
Gm12	34540979	34541792	Gmdrm	hypo	CHH	-0.0963
Gm12	34546023	34547022	Gmdrm	hypo	CHH	-0.0465
Gm12	34547029	34548020	Gmdrm	hypo	CHH	-0.0427
Gm12	34572904	34573897	Gmdrm	hypo	CHH	-0.056
Gm12	34576003	34576999	Gmdrm	hypo	CHH	-0.0203
Gm12	34583833	34584833	Gmdrm	hypo	CHH	-0.0634
Gm12	34586994	34587982	Gmdrm	hypo	CHH	-0.0127
Gm12	34589038	34589197	Gmdrm	hypo	CHH	-0.0326
Gm12	34591330	34592323	Gmdrm	hypo	CHH	-0.0411
Gm12	34592533	34593520	Gmdrm	hypo	CHH	-0.0398
Gm12	34603110	34604104	Gmdrm	hypo	CHH	-0.0828
Gm12	34622372	34622743	Gmdrm	hypo	CHH	-0.0308
Gm12	34635230	34635492	Gmdrm	hypo	CHH	-0.0373
Gm12	34645203	34646202	Gmdrm	hypo	CHH	-0.2233
Gm12	34680895	34681842	Gmdrm	hypo	CHH	-0.1458
Gm12	34682922	34683908	Gmdrm	hypo	CHH	-0.2304
Gm12	34696551	34697547	Gmdrm	hypo	CHH	-0.0159

Gm12	34712500	34713495	Gmdrm	hypo	CHH	-0.0718
Gm12	34713516	34714510	Gmdrm	hypo	CHH	-0.0819
Gm12	34714531	34714916	Gmdrm	hypo	CHH	-0.1046
Gm12	34717019	34717993	Gmdrm	hypo	CHH	-0.0628
Gm12	34735262	34735601	Gmdrm	hypo	CHH	-0.0344
Gm12	34761840	34762839	Gmdrm	hypo	CHH	-0.0532
Gm12	34762847	34763838	Gmdrm	hypo	CHH	-0.0925
Gm12	34763861	34764853	Gmdrm	hypo	CHH	-0.0124
Gm12	34768941	34769936	Gmdrm	hypo	CHH	-0.0192
Gm12	34769943	34770929	Gmdrm	hypo	CHH	-0.1158
Gm12	34814040	34815038	Gmdrm	hypo	CHH	-0.0244
Gm12	34838654	34839120	Gmdrm	hypo	CHH	-0.0429
Gm12	34844300	34845287	Gmdrm	hypo	CHH	-0.038
Gm12	34845313	34846303	Gmdrm	hypo	CHH	-0.0226
Gm12	34846334	34847333	Gmdrm	hypo	CHH	-0.0263
Gm12	34847347	34848344	Gmdrm	hypo	CHH	-0.03
Gm12	34848355	34849352	Gmdrm	hypo	CHH	-0.0486
Gm12	34871119	34872091	Gmdrm	hypo	CHH	-0.0183
Gm12	34895939	34896923	Gmdrm	hypo	CHH	-0.016
Gm12	34898086	34899075	Gmdrm	hypo	CHH	-0.0613
Gm12	34902161	34903067	Gmdrm	hypo	CHH	-0.013
Gm12	34913051	34914048	Gmdrm	hypo	CHH	-0.1803
Gm12	34914056	34915053	Gmdrm	hypo	CHH	-0.043
Gm12	34924340	34925338	Gmdrm	hypo	CHH	-0.0615
Gm12	34927357	34928342	Gmdrm	hypo	CHH	-0.0403
Gm12	34928749	34929731	Gmdrm	hypo	CHH	-0.0415
Gm12	34929753	34930744	Gmdrm	hypo	CHH	-0.0418
Gm12	34930754	34930925	Gmdrm	hypo	CHH	-0.4432
Gm12	34937066	34938064	Gmdrm	hypo	CHH	-0.108
Gm12	34938081	34939078	Gmdrm	hypo	CHH	-0.0408
Gm12	34939089	34939181	Gmdrm	hypo	CHH	-0.0585
Gm12	34939298	34939871	Gmdrm	hypo	CHH	-0.1286
Gm12	34951574	34952574	Gmdrm	hypo	CHH	-0.0177
Gm12	34955617	34956609	Gmdrm	hypo	CHH	-0.0247
Gm12	34962626	34963625	Gmdrm	hypo	CHH	-0.1204
Gm12	34964158	34965152	Gmdrm	hypo	CHH	-0.0132
Gm12	34965193	34966188	Gmdrm	hypo	CHH	-0.0503
Gm12	34970220	34971220	Gmdrm	hypo	CHH	-0.0382
Gm12	34971221	34972202	Gmdrm	hypo	CHH	-0.1255
Gm12	34972244	34973240	Gmdrm	hypo	CHH	-0.0477
Gm12	34986108	34987104	Gmdrm	hypo	CHH	-0.0353
Gm12	35016317	35017308	Gmdrm	hypo	CHH	-0.0559
Gm12	35025915	35026377	Gmdrm	hypo	CHH	-0.0259
Gm12	35030021	35031018	Gmdrm	hypo	CHH	-0.0172
Gm12	35031024	35032018	Gmdrm	hypo	CHH	-0.0141
Gm12	35037660	35037767	Gmdrm	hypo	CHH	-0.165

Gm12	35038001	35039000	Gmdrm	hypo	CHH	-0.023
Gm12	35041616	35042250	Gmdrm	hypo	CHH	-0.0314
Gm12	35050653	35051635	Gmdrm	hypo	CHH	-0.173
Gm12	35060469	35060898	Gmdrm	hypo	CHH	-0.0281
Gm12	35066855	35067848	Gmdrm	hypo	CHH	-0.0387
Gm12	35067856	35068853	Gmdrm	hypo	CHH	-0.0373
Gm12	35068860	35069856	Gmdrm	hypo	CHH	-0.043
Gm12	35076681	35077656	Gmdrm	hypo	CHH	-0.0217
Gm12	35094337	35095333	Gmdrm	hypo	CHH	-0.0768
Gm12	35095346	35096345	Gmdrm	hypo	CHH	-0.0725
Gm12	35096347	35097333	Gmdrm	hypo	CHH	-0.0546
Gm12	35098389	35099383	Gmdrm	hypo	CHH	-0.0207
Gm12	35100428	35101425	Gmdrm	hypo	CHH	-0.0708
Gm12	35102886	35103312	Gmdrm	hypo	CHH	-0.0268
Gm12	35117048	35117348	Gmdrm	hypo	CHH	-0.0204
Gm12	35120530	35120699	Gmdrm	hypo	CHH	-0.0372
Gm12	35121143	35122143	Gmdrm	hypo	CHH	-0.0211
Gm12	35122148	35123120	Gmdrm	hypo	CHH	-0.0427
Gm12	35130296	35131258	Gmdrm	hypo	CHH	-0.0258
Gm12	35143791	35144773	Gmdrm	hypo	CHH	-0.0406
Gm12	35152846	35153822	Gmdrm	hypo	CHH	-0.0232
Gm12	35156952	35157943	Gmdrm	hypo	CHH	-0.0098
Gm12	35164522	35165502	Gmdrm	hypo	CHH	-0.0893
Gm12	35168022	35168653	Gmdrm	hypo	CHH	-0.0265
Gm12	35173467	35174119	Gmdrm	hypo	CHH	-0.0789
Gm12	35174259	35175246	Gmdrm	hypo	CHH	-0.0325
Gm12	35181352	35182350	Gmdrm	hypo	CHH	-0.1453
Gm12	35188429	35189419	Gmdrm	hypo	CHH	-0.1117
Gm12	35190743	35190920	Gmdrm	hypo	CHH	-0.0433
Gm12	35198546	35199546	Gmdrm	hypo	CHH	-0.0422
Gm12	35214066	35215065	Gmdrm	hypo	CHH	-0.0592
Gm12	35220049	35221044	Gmdrm	hypo	CHH	-0.0221
Gm12	35223266	35224036	Gmdrm	hypo	CHH	-0.1089
Gm12	35234862	35235860	Gmdrm	hypo	CHH	-0.1108
Gm12	35235863	35236424	Gmdrm	hypo	CHH	-0.0352
Gm12	35237592	35238579	Gmdrm	hypo	CHH	-0.0161
Gm12	35250879	35251879	Gmdrm	hypo	CHH	-0.1337
Gm12	35251883	35252877	Gmdrm	hypo	CHH	-0.0232
Gm12	35257913	35258912	Gmdrm	hypo	CHH	-0.1251
Gm12	35258914	35259457	Gmdrm	hypo	CHH	-0.1422
Gm12	35264057	35264266	Gmdrm	hypo	CHH	-0.0236
Gm12	35266264	35266400	Gmdrm	hypo	CHH	-0.0228
Gm12	35266522	35267507	Gmdrm	hypo	CHH	-0.0246
Gm12	35272367	35273364	Gmdrm	hypo	CHH	-0.086
Gm12	35288881	35289858	Gmdrm	hypo	CHH	-0.0608
Gm12	35290064	35290240	Gmdrm	hypo	CHH	-0.0311

Gm12	35290396	35290496	Gmdrm	hypo	CHH	-0.0333
Gm12	35291733	35292717	Gmdrm	hypo	CHH	-0.025
Gm12	35296755	35297755	Gmdrm	hypo	CHH	-0.1225
Gm12	35314547	35315411	Gmdrm	hypo	CHH	-0.041
Gm12	35317092	35318091	Gmdrm	hypo	CHH	-0.0273
Gm12	35323192	35324185	Gmdrm	hypo	CHH	-0.0759
Gm12	35327124	35327381	Gmdrm	hypo	CHH	-0.0247
Gm12	35329509	35330373	Gmdrm	hypo	CHH	-0.0555
Gm12	35331721	35332110	Gmdrm	hypo	CHH	-0.0372
Gm12	35336220	35336786	Gmdrm	hypo	CHH	-0.0229
Gm12	35337080	35338032	Gmdrm	hypo	CHH	-0.0448
Gm12	35344629	35345609	Gmdrm	hypo	CHH	-0.06
Gm12	35345653	35346651	Gmdrm	hypo	CHH	-0.0613
Gm12	35348685	35349681	Gmdrm	hypo	CHH	-0.0625
Gm12	35349720	35350575	Gmdrm	hypo	CHH	-0.0421
Gm12	35351977	35352165	Gmdrm	hypo	CHH	-0.07
Gm12	35358240	35359229	Gmdrm	hypo	CHH	-0.0867
Gm12	35359242	35360229	Gmdrm	hypo	CHH	-0.0879
Gm12	35360277	35361184	Gmdrm	hypo	CHH	-0.0704
Gm12	35367026	35368024	Gmdrm	hypo	CHH	-0.1492
Gm12	35368031	35369031	Gmdrm	hypo	CHH	-0.0402
Gm12	35379236	35379310	Gmdrm	hypo	CHH	-0.04
Gm12	35380014	35380647	Gmdrm	hypo	CHH	-0.032
Gm12	35381017	35381842	Gmdrm	hypo	CHH	-0.0181
Gm12	35384362	35385360	Gmdrm	hypo	CHH	-0.0252
Gm12	35390213	35391202	Gmdrm	hypo	CHH	-0.0466
Gm12	35407707	35408698	Gmdrm	hypo	CHH	-0.0522
Gm12	35409723	35410146	Gmdrm	hypo	CHH	-0.0923
Gm12	35414738	35415704	Gmdrm	hypo	CHH	-0.0339
Gm12	35417277	35417771	Gmdrm	hypo	CHH	-0.0375
Gm12	35419230	35420226	Gmdrm	hypo	CHH	-0.018
Gm12	35424095	35425062	Gmdrm	hypo	CHH	-0.0362
Gm12	35442439	35443248	Gmdrm	hypo	CHH	-0.064
Gm12	35443442	35444416	Gmdrm	hypo	CHH	-0.0521
Gm12	35446477	35447453	Gmdrm	hypo	CHH	-0.0655
Gm12	35459476	35460466	Gmdrm	hypo	CHH	-0.0514
Gm12	35464515	35465497	Gmdrm	hypo	CHH	-0.0656
Gm12	35468576	35469550	Gmdrm	hypo	CHH	-0.0272
Gm12	35473939	35474937	Gmdrm	hypo	CHH	-0.0582
Gm12	35481236	35482207	Gmdrm	hypo	CHH	-0.0297
Gm12	35483291	35484280	Gmdrm	hypo	CHH	-0.0669
Gm12	35487609	35488451	Gmdrm	hypo	CHH	-0.0849
Gm12	35489572	35490288	Gmdrm	hypo	CHH	-0.1421
Gm12	35502547	35503541	Gmdrm	hypo	CHH	-0.0818
Gm12	35503556	35504552	Gmdrm	hypo	CHH	-0.0397
Gm12	35505589	35506582	Gmdrm	hypo	CHH	-0.178

Gm12	35506595	35507259	Gmdrm	hypo	CHH	-0.0727
Gm12	35507395	35508394	Gmdrm	hypo	CHH	-0.056
Gm12	35508399	35509398	Gmdrm	hypo	CHH	-0.1781
Gm12	35512303	35512524	Gmdrm	hypo	CHH	-0.0444
Gm12	35514577	35515577	Gmdrm	hypo	CHH	-0.019
Gm12	35520725	35521661	Gmdrm	hypo	CHH	-0.1305
Gm12	35529323	35530317	Gmdrm	hypo	CHH	-0.1055
Gm12	35530327	35531312	Gmdrm	hypo	CHH	-0.3337
Gm12	35542954	35543382	Gmdrm	hypo	CHH	-0.1137
Gm12	35547442	35548439	Gmdrm	hypo	CHH	-0.1276
Gm12	35548458	35549385	Gmdrm	hypo	CHH	-0.109
Gm12	35563538	35564502	Gmdrm	hypo	CHH	-0.1327
Gm12	35578685	35579679	Gmdrm	hypo	CHH	-0.0383
Gm12	35589233	35590227	Gmdrm	hypo	CHH	-0.079
Gm12	35591959	35592951	Gmdrm	hypo	CHH	-0.1622
Gm12	35592962	35593955	Gmdrm	hypo	CHH	-0.0325
Gm12	35599571	35600508	Gmdrm	hypo	CHH	-0.0649
Gm12	35626048	35627047	Gmdrm	hypo	CHH	-0.0445
Gm12	35627049	35628039	Gmdrm	hypo	CHH	-0.1079
Gm12	35628064	35629016	Gmdrm	hypo	CHH	-0.1183
Gm12	35635879	35636456	Gmdrm	hypo	CHH	-0.1476
Gm12	35637567	35638553	Gmdrm	hypo	CHH	-0.0241
Gm12	35639578	35640567	Gmdrm	hypo	CHH	-0.0552
Gm12	35651373	35652366	Gmdrm	hypo	CHH	-0.1435
Gm12	35652382	35653376	Gmdrm	hypo	CHH	-0.0552
Gm12	35653383	35654379	Gmdrm	hypo	CHH	-0.0493
Gm12	35667771	35668771	Gmdrm	hypo	CHH	-0.2828
Gm12	35668773	35669733	Gmdrm	hypo	CHH	-0.2461
Gm12	35681983	35682973	Gmdrm	hypo	CHH	-0.1268
Gm12	35683004	35684002	Gmdrm	hypo	CHH	-0.0503
Gm12	35689699	35690695	Gmdrm	hypo	CHH	-0.276
Gm12	35690812	35691810	Gmdrm	hypo	CHH	-0.1728
Gm12	35691815	35692328	Gmdrm	hypo	CHH	-0.0471
Gm12	35699226	35700094	Gmdrm	hypo	CHH	-0.0308
Gm12	35718909	35719706	Gmdrm	hypo	CHH	-0.1193
Gm12	35727374	35728372	Gmdrm	hypo	CHH	-0.2236
Gm12	35728376	35729376	Gmdrm	hypo	CHH	-0.0563
Gm12	35729377	35730361	Gmdrm	hypo	CHH	-0.0679
Gm12	35733462	35734458	Gmdrm	hypo	CHH	-0.0373
Gm12	35735501	35735647	Gmdrm	hypo	CHH	-0.064
Gm12	35742753	35743695	Gmdrm	hypo	CHH	-0.1078
Gm12	35743776	35744759	Gmdrm	hypo	CHH	-0.0175
Gm12	35753454	35754245	Gmdrm	hypo	CHH	-0.0302
Gm12	35779837	35780705	Gmdrm	hypo	CHH	-0.0408
Gm12	35790699	35791697	Gmdrm	hypo	CHH	-0.0532
Gm12	35791701	35792698	Gmdrm	hypo	CHH	-0.0681

Gm12	35793777	35794754	Gmdrm	hypo	CHH	-0.0499
Gm12	35795795	35796781	Gmdrm	hypo	CHH	-0.0311
Gm12	35799812	35800811	Gmdrm	hypo	CHH	-0.0132
Gm12	35805167	35806167	Gmdrm	hypo	CHH	-0.1783
Gm12	35806169	35807163	Gmdrm	hypo	CHH	-0.0989
Gm12	35807178	35808177	Gmdrm	hypo	CHH	-0.0726
Gm12	35830175	35831167	Gmdrm	hypo	CHH	-0.0477
Gm12	35831181	35832172	Gmdrm	hypo	CHH	-0.0688
Gm12	35838472	35838689	Gmdrm	hypo	CHH	-0.0557
Gm12	35841492	35842488	Gmdrm	hypo	CHH	-0.114
Gm12	35842494	35843487	Gmdrm	hypo	CHH	-0.1059
Gm12	35856606	35857546	Gmdrm	hypo	CHH	-0.0183
Gm12	35859890	35860864	Gmdrm	hypo	CHH	-0.0698
Gm12	35860891	35861877	Gmdrm	hypo	CHH	-0.0281
Gm12	35862591	35863591	Gmdrm	hypo	CHH	-0.0248
Gm12	35877295	35877752	Gmdrm	hypo	CHH	-0.0429
Gm12	35882850	35883806	Gmdrm	hypo	CHH	-0.0214
Gm12	35883854	35884853	Gmdrm	hypo	CHH	-0.0657
Gm12	35884860	35885810	Gmdrm	hypo	CHH	-0.0188
Gm12	35887254	35888252	Gmdrm	hypo	CHH	-0.0614
Gm12	35891321	35892309	Gmdrm	hypo	CHH	-0.0421
Gm12	35897551	35898527	Gmdrm	hypo	CHH	-0.0143
Gm12	35904618	35905613	Gmdrm	hypo	CHH	-0.0464
Gm12	35916863	35917830	Gmdrm	hypo	CHH	-0.0148
Gm12	35917871	35918869	Gmdrm	hypo	CHH	-0.0551
Gm12	35918878	35919867	Gmdrm	hypo	CHH	-0.0547
Gm12	35921074	35922068	Gmdrm	hypo	CHH	-0.1141
Gm12	35922075	35923070	Gmdrm	hypo	CHH	-0.0603
Gm12	35926773	35927654	Gmdrm	hypo	CHH	-0.0271
Gm12	35940954	35941393	Gmdrm	hypo	CHH	-0.029
Gm12	35945411	35946406	Gmdrm	hypo	CHH	-0.0306
Gm12	35946412	35947412	Gmdrm	hypo	CHH	-0.0896
Gm12	35970711	35971704	Gmdrm	hypo	CHH	-0.0159
Gm12	35972357	35972501	Gmdrm	hypo	CHH	-0.0657
Gm12	35976781	35977434	Gmdrm	hypo	CHH	-0.0191
Gm12	35983126	35984125	Gmdrm	hypo	CHH	-0.1093
Gm12	35984127	35985122	Gmdrm	hypo	CHH	-0.0918
Gm12	35993189	35994189	Gmdrm	hypo	CHH	-0.0514
Gm12	36000456	36001453	Gmdrm	hypo	CHH	-0.0754
Gm12	36013068	36014038	Gmdrm	hypo	CHH	-0.1443
Gm12	36023814	36024811	Gmdrm	hypo	CHH	-0.2092
Gm12	36033042	36034039	Gmdrm	hypo	CHH	-0.0293
Gm12	36039045	36040036	Gmdrm	hypo	CHH	-0.0399
Gm12	36042055	36043018	Gmdrm	hypo	CHH	-0.043
Gm12	36045939	36046558	Gmdrm	hypo	CHH	-0.0435
Gm12	36047883	36048668	Gmdrm	hypo	CHH	-0.0232

Gm12	36051799	36052642 Gmdrm	hypo	CHH	-0.0233
Gm12	36056834	36057764 Gmdrm	hypo	CHH	-0.0729
Gm12	36059139	36060126 Gmdrm	hypo	CHH	-0.0171
Gm12	36068012	36069009 Gmdrm	hypo	CHH	-0.0598
Gm12	36069013	36069972 Gmdrm	hypo	CHH	-0.1805
Gm12	36097263	36098222 Gmdrm	hypo	CHH	-0.0164
Gm12	36099287	36100276 Gmdrm	hypo	CHH	-0.1045
Gm12	36106032	36107030 Gmdrm	hypo	CHH	-0.0576
Gm12	36107033	36108031 Gmdrm	hypo	CHH	-0.0308
Gm12	36110049	36111018 Gmdrm	hypo	CHH	-0.0101
Gm12	36130486	36131484 Gmdrm	hypo	CHH	-0.0626
Gm12	36161266	36162249 Gmdrm	hypo	CHH	-0.0286
Gm12	36162271	36162376 Gmdrm	hypo	CHH	-0.1118
Gm12	36162487	36163134 Gmdrm	hypo	CHH	-0.0699
Gm12	36165043	36166017 Gmdrm	hypo	CHH	-0.2114
Gm12	36166079	36167077 Gmdrm	hypo	CHH	-0.1685
Gm12	36167085	36167628 Gmdrm	hypo	CHH	-0.1261
Gm12	36168584	36169574 Gmdrm	hypo	CHH	-0.0769
Gm12	36172593	36173593 Gmdrm	hypo	CHH	-0.0913
Gm12	36173595	36174430 Gmdrm	hypo	CHH	-0.1462
Gm12	36177908	36178877 Gmdrm	hypo	CHH	-0.0549
Gm12	36192633	36193633 Gmdrm	hypo	CHH	-0.0122
Gm12	36200474	36201427 Gmdrm	hypo	CHH	-0.1293
Gm12	36207486	36208480 Gmdrm	hypo	CHH	-0.0646
Gm12	36211386	36211437 Gmdrm	hypo	CHH	-0.05
Gm12	36217196	36218184 Gmdrm	hypo	CHH	-0.0174
Gm12	36218468	36218837 Gmdrm	hypo	CHH	-0.0381
Gm12	36222998	36223989 Gmdrm	hypo	CHH	-0.2191
Gm12	36229136	36230136 Gmdrm	hypo	CHH	-0.0301
Gm12	36230137	36231132 Gmdrm	hypo	CHH	-0.0787
Gm12	36235340	36236339 Gmdrm	hypo	CHH	-0.0616
Gm12	36236357	36237326 Gmdrm	hypo	CHH	-0.0182
Gm12	36239990	36240987 Gmdrm	hypo	CHH	-0.026
Gm12	36240998	36241995 Gmdrm	hypo	CHH	-0.0854
Gm12	36245053	36246053 Gmdrm	hypo	CHH	-0.0445
Gm12	36247921	36248914 Gmdrm	hypo	CHH	-0.022
Gm12	36253772	36254762 Gmdrm	hypo	CHH	-0.0554
Gm12	36254806	36255794 Gmdrm	hypo	CHH	-0.0759
Gm12	36267976	36268970 Gmdrm	hypo	CHH	-0.0365
Gm12	36268989	36269981 Gmdrm	hypo	CHH	-0.1527
Gm12	36271011	36272010 Gmdrm	hypo	CHH	-0.2617
Gm12	36275655	36276644 Gmdrm	hypo	CHH	-0.0848
Gm12	36279664	36280656 Gmdrm	hypo	CHH	-0.0155
Gm12	36310164	36311163 Gmdrm	hypo	CHH	-0.1113
Gm12	36311168	36312135 Gmdrm	hypo	CHH	-0.0843
Gm12	36313669	36313777 Gmdrm	hypo	CHH	-0.0262

Gm12	36316752	36317513	Gmdrm	hypo	CHH	-0.0281
Gm12	36319634	36319929	Gmdrm	hypo	CHH	-0.0275
Gm12	36326677	36327661	Gmdrm	hypo	CHH	-0.0479
Gm12	36327678	36327792	Gmdrm	hypo	CHH	-0.1469
Gm12	36327905	36328905	Gmdrm	hypo	CHH	-0.0558
Gm12	36333917	36334429	Gmdrm	hypo	CHH	-0.04
Gm12	36345140	36346131	Gmdrm	hypo	CHH	-0.0111
Gm12	36350770	36351438	Gmdrm	hypo	CHH	-0.0241
Gm12	36358862	36359100	Gmdrm	hypo	CHH	-0.0529
Gm12	36363362	36364318	Gmdrm	hypo	CHH	-0.0547
Gm12	36372563	36373558	Gmdrm	hypo	CHH	-0.0513
Gm12	36373567	36374563	Gmdrm	hypo	CHH	-0.1045
Gm12	36387643	36388643	Gmdrm	hypo	CHH	-0.0896
Gm12	36389656	36390655	Gmdrm	hypo	CHH	-0.0255
Gm12	36390661	36391656	Gmdrm	hypo	CHH	-0.1218
Gm12	36391672	36392483	Gmdrm	hypo	CHH	-0.1043
Gm12	36401463	36401730	Gmdrm	hypo	CHH	-0.05
Gm12	36431321	36431701	Gmdrm	hypo	CHH	-0.0381
Gm12	36436037	36436529	Gmdrm	hypo	CHH	-0.0257
Gm12	36439214	36440152	Gmdrm	hypo	CHH	-0.0426
Gm12	36452359	36453354	Gmdrm	hypo	CHH	-0.0192
Gm12	36457918	36458038	Gmdrm	hypo	CHH	-0.0288
Gm12	36459033	36460027	Gmdrm	hypo	CHH	-0.0207
Gm12	36460047	36460998	Gmdrm	hypo	CHH	-0.011
Gm12	36477169	36478131	Gmdrm	hypo	CHH	-0.0172
Gm12	36480733	36481732	Gmdrm	hypo	CHH	-0.0726
Gm12	36485767	36486757	Gmdrm	hypo	CHH	-0.0316
Gm12	36495982	36496554	Gmdrm	hypo	CHH	-0.0526
Gm12	36520680	36520950	Gmdrm	hypo	CHH	-0.08
Gm12	36522885	36523884	Gmdrm	hypo	CHH	-0.0756
Gm12	36533204	36534189	Gmdrm	hypo	CHH	-0.078
Gm12	36540039	36541034	Gmdrm	hypo	CHH	-0.072
Gm12	36547456	36547537	Gmdrm	hypo	CHH	-0.1
Gm12	36547841	36548841	Gmdrm	hypo	CHH	-0.0191
Gm12	36552751	36553725	Gmdrm	hypo	CHH	-0.0172
Gm12	36555122	36556074	Gmdrm	hypo	CHH	-0.0229
Gm12	36577421	36578408	Gmdrm	hypo	CHH	-0.0132
Gm12	36598706	36599702	Gmdrm	hypo	CHH	-0.0278
Gm12	36599708	36599811	Gmdrm	hypo	CHH	-0.19
Gm12	36600048	36600606	Gmdrm	hypo	CHH	-0.1433
Gm12	36601758	36602741	Gmdrm	hypo	CHH	-0.0104
Gm12	36602766	36603763	Gmdrm	hypo	CHH	-0.1922
Gm12	36603772	36604697	Gmdrm	hypo	CHH	-0.3368
Gm12	36608482	36608666	Gmdrm	hypo	CHH	-0.0914
Gm12	36613813	36614806	Gmdrm	hypo	CHH	-0.0336
Gm12	36618963	36619961	Gmdrm	hypo	CHH	-0.0316

Gm12	36619964	36620964	Gmdrm	hypo	CHH	-0.0141
Gm12	36620989	36621981	Gmdrm	hypo	CHH	-0.0661
Gm12	36622011	36622889	Gmdrm	hypo	CHH	-0.1165
Gm12	36631450	36632438	Gmdrm	hypo	CHH	-0.0216
Gm12	36634890	36635338	Gmdrm	hypo	CHH	-0.0314
Gm12	36637559	36638545	Gmdrm	hypo	CHH	-0.0138
Gm12	36643363	36644333	Gmdrm	hypo	CHH	-0.0257
Gm12	36645376	36646375	Gmdrm	hypo	CHH	-0.0135
Gm12	36652540	36653536	Gmdrm	hypo	CHH	-0.14
Gm12	36653542	36654541	Gmdrm	hypo	CHH	-0.1485
Gm12	36655582	36656121	Gmdrm	hypo	CHH	-0.0413
Gm12	36658804	36659794	Gmdrm	hypo	CHH	-0.0186
Gm12	36663404	36664401	Gmdrm	hypo	CHH	-0.0264
Gm12	36673667	36674654	Gmdrm	hypo	CHH	-0.0444
Gm12	36678800	36679790	Gmdrm	hypo	CHH	-0.0139
Gm12	36692792	36693767	Gmdrm	hypo	CHH	-0.2414
Gm12	36702630	36702865	Gmdrm	hypo	CHH	-0.034
Gm12	36703002	36704000	Gmdrm	hypo	CHH	-0.063
Gm12	36704930	36705925	Gmdrm	hypo	CHH	-0.0687
Gm12	36705934	36706933	Gmdrm	hypo	CHH	-0.1077
Gm12	36708302	36709295	Gmdrm	hypo	CHH	-0.009
Gm12	36740143	36741139	Gmdrm	hypo	CHH	-0.0384
Gm12	36750824	36751733	Gmdrm	hypo	CHH	-0.0407
Gm12	36753693	36754388	Gmdrm	hypo	CHH	-0.079
Gm12	36760098	36760391	Gmdrm	hypo	CHH	-0.078
Gm12	36767808	36768797	Gmdrm	hypo	CHH	-0.0176
Gm12	36768809	36769795	Gmdrm	hypo	CHH	-0.0226
Gm12	36772769	36773758	Gmdrm	hypo	CHH	-0.0139
Gm12	36774828	36775822	Gmdrm	hypo	CHH	-0.0594
Gm12	36776050	36777047	Gmdrm	hypo	CHH	-0.2202
Gm12	36785881	36786844	Gmdrm	hypo	CHH	-0.0476
Gm12	36786885	36786913	Gmdrm	hypo	CHH	-0.458
Gm12	36787331	36788330	Gmdrm	hypo	CHH	-0.13
Gm12	36788352	36789340	Gmdrm	hypo	CHH	-0.0946
Gm12	36808842	36809835	Gmdrm	hypo	CHH	-0.0206
Gm12	36813558	36814552	Gmdrm	hypo	CHH	-0.236
Gm12	36815947	36816943	Gmdrm	hypo	CHH	-0.1219
Gm12	36816953	36817932	Gmdrm	hypo	CHH	-0.0775
Gm12	36827257	36828245	Gmdrm	hypo	CHH	-0.1318
Gm12	36828259	36829213	Gmdrm	hypo	CHH	-0.0914
Gm12	36829581	36830549	Gmdrm	hypo	CHH	-0.0239
Gm12	36830598	36831595	Gmdrm	hypo	CHH	-0.2242
Gm12	36831638	36832425	Gmdrm	hypo	CHH	-0.0932
Gm12	36832541	36833530	Gmdrm	hypo	CHH	-0.1735
Gm12	36833542	36834538	Gmdrm	hypo	CHH	-0.0938
Gm12	36839857	36840831	Gmdrm	hypo	CHH	-0.0335

Gm12	36840859	36841219	Gmdrm	hypo	CHH	-0.0812
Gm12	36841363	36842359	Gmdrm	hypo	CHH	-0.026
Gm12	36845930	36846924	Gmdrm	hypo	CHH	-0.0154
Gm12	36847856	36848837	Gmdrm	hypo	CHH	-0.2869
Gm12	36848860	36849842	Gmdrm	hypo	CHH	-0.2162
Gm12	36849888	36850207	Gmdrm	hypo	CHH	-0.2711
Gm12	36850495	36851480	Gmdrm	hypo	CHH	-0.15
Gm12	36851498	36852497	Gmdrm	hypo	CHH	-0.0347
Gm12	36854356	36855353	Gmdrm	hypo	CHH	-0.019
Gm12	36859414	36860396	Gmdrm	hypo	CHH	-0.1405
Gm12	36860950	36861948	Gmdrm	hypo	CHH	-0.0658
Gm12	36861951	36862934	Gmdrm	hypo	CHH	-0.0858
Gm12	36872386	36873351	Gmdrm	hypo	CHH	-0.0502
Gm12	36882126	36883125	Gmdrm	hypo	CHH	-0.1247
Gm12	36883154	36884145	Gmdrm	hypo	CHH	-0.0945
Gm12	36884571	36885570	Gmdrm	hypo	CHH	-0.0131
Gm12	36896396	36897337	Gmdrm	hypo	CHH	-0.1577
Gm12	36898420	36899406	Gmdrm	hypo	CHH	-0.2312
Gm12	36899422	36900421	Gmdrm	hypo	CHH	-0.1918
Gm12	36900424	36901417	Gmdrm	hypo	CHH	-0.0846
Gm12	36915728	36916694	Gmdrm	hypo	CHH	-0.0182
Gm12	36937140	36938140	Gmdrm	hypo	CHH	-0.0514
Gm12	36938144	36938625	Gmdrm	hypo	CHH	-0.0904
Gm12	36942992	36943974	Gmdrm	hypo	CHH	-0.0195
Gm12	36945131	36946111	Gmdrm	hypo	CHH	-0.2595
Gm12	36946869	36947865	Gmdrm	hypo	CHH	-0.0508
Gm12	36948871	36949865	Gmdrm	hypo	CHH	-0.0565
Gm12	36949877	36950846	Gmdrm	hypo	CHH	-0.0902
Gm12	36998228	36999031	Gmdrm	hypo	CHH	-0.0883
Gm12	36999139	37000135	Gmdrm	hypo	CHH	-0.034
Gm12	37000142	37001142	Gmdrm	hypo	CHH	-0.0481
Gm12	37002872	37003870	Gmdrm	hypo	CHH	-0.0584
Gm12	37013482	37014477	Gmdrm	hypo	CHH	-0.1712
Gm12	37014483	37014774	Gmdrm	hypo	CHH	-0.0734
Gm12	37014887	37015010	Gmdrm	hypo	CHH	-0.06
Gm12	37016166	37017165	Gmdrm	hypo	CHH	-0.0337
Gm12	37017169	37018164	Gmdrm	hypo	CHH	-0.1042
Gm12	37019175	37020146	Gmdrm	hypo	CHH	-0.0322
Gm12	37021890	37022878	Gmdrm	hypo	CHH	-0.0192
Gm12	37022894	37023881	Gmdrm	hypo	CHH	-0.2756
Gm12	37024933	37025911	Gmdrm	hypo	CHH	-0.0622
Gm12	37025953	37026953	Gmdrm	hypo	CHH	-0.1321
Gm12	37026959	37027578	Gmdrm	hypo	CHH	-0.1397
Gm12	37036927	37037923	Gmdrm	hypo	CHH	-0.0158
Gm12	37037931	37038545	Gmdrm	hypo	CHH	-0.0403
Gm12	37043470	37043944	Gmdrm	hypo	CHH	-0.1098

Gm12	37058642	37059633	Gmdrm	hypo	CHH	-0.0252
Gm12	37067951	37068935	Gmdrm	hypo	CHH	-0.034
Gm12	37070968	37071968	Gmdrm	hypo	CHH	-0.0107
Gm12	37077763	37078744	Gmdrm	hypo	CHH	-0.129
Gm12	37078769	37079768	Gmdrm	hypo	CHH	-0.186
Gm12	37087165	37088165	Gmdrm	hypo	CHH	-0.057
Gm12	37088174	37088932	Gmdrm	hypo	CHH	-0.0951
Gm12	37090080	37091078	Gmdrm	hypo	CHH	-0.015
Gm12	37092089	37093020	Gmdrm	hypo	CHH	-0.0146
Gm12	37101681	37102635	Gmdrm	hypo	CHH	-0.1588
Gm12	37108488	37109487	Gmdrm	hypo	CHH	-0.0662
Gm12	37109490	37110411	Gmdrm	hypo	CHH	-0.2324
Gm12	37122897	37123279	Gmdrm	hypo	CHH	-0.0306
Gm12	37136931	37137922	Gmdrm	hypo	CHH	-0.0114
Gm12	37154854	37155851	Gmdrm	hypo	CHH	-0.0131
Gm12	37157875	37158875	Gmdrm	hypo	CHH	-0.0416
Gm12	37158881	37159864	Gmdrm	hypo	CHH	-0.2227
Gm12	37170544	37171517	Gmdrm	hypo	CHH	-0.0235
Gm12	37172880	37173315	Gmdrm	hypo	CHH	-0.0188
Gm12	37173528	37174520	Gmdrm	hypo	CHH	-0.1087
Gm12	37183389	37184340	Gmdrm	hypo	CHH	-0.0249
Gm12	37188509	37189499	Gmdrm	hypo	CHH	-0.0516
Gm12	37191230	37192220	Gmdrm	hypo	CHH	-0.0124
Gm12	37198947	37199942	Gmdrm	hypo	CHH	-0.0117
Gm12	37217577	37217802	Gmdrm	hypo	CHH	-0.0343
Gm12	37223016	37223196	Gmdrm	hypo	CHH	-0.1086
Gm12	37224481	37225466	Gmdrm	hypo	CHH	-0.0244
Gm12	37226560	37227545	Gmdrm	hypo	CHH	-0.053
Gm12	37235094	37235847	Gmdrm	hypo	CHH	-0.0514
Gm12	37235953	37236952	Gmdrm	hypo	CHH	-0.0413
Gm12	37236955	37237704	Gmdrm	hypo	CHH	-0.0489
Gm12	37244089	37245087	Gmdrm	hypo	CHH	-0.0995
Gm12	37246595	37247562	Gmdrm	hypo	CHH	-0.0292
Gm12	37252657	37253649	Gmdrm	hypo	CHH	-0.0154
Gm12	37262078	37262228	Gmdrm	hypo	CHH	-0.0819
Gm12	37266939	37267919	Gmdrm	hypo	CHH	-0.0165
Gm12	37281790	37282784	Gmdrm	hypo	CHH	-0.0394
Gm12	37294524	37295521	Gmdrm	hypo	CHH	-0.023
Gm12	37295534	37296531	Gmdrm	hypo	CHH	-0.0277
Gm12	37296552	37297531	Gmdrm	hypo	CHH	-0.0681
Gm12	37300377	37301370	Gmdrm	hypo	CHH	-0.0334
Gm12	37310646	37310797	Gmdrm	hypo	CHH	-0.0738
Gm12	37321088	37321950	Gmdrm	hypo	CHH	-0.0331
Gm12	37324011	37324982	Gmdrm	hypo	CHH	-0.3126
Gm12	37348819	37349813	Gmdrm	hypo	CHH	-0.0144
Gm12	37367075	37368072	Gmdrm	hypo	CHH	-0.0801

Gm12	37375380	37376375 Gmdrm	hypo	CHH	-0.2625
Gm12	37376381	37377379 Gmdrm	hypo	CHH	-0.0144
Gm12	37377385	37378385 Gmdrm	hypo	CHH	-0.1325
Gm12	37378386	37378731 Gmdrm	hypo	CHH	-0.3631
Gm12	37378881	37379869 Gmdrm	hypo	CHH	-0.0434
Gm12	37380911	37381910 Gmdrm	hypo	CHH	-0.3492
Gm12	37381912	37382455 Gmdrm	hypo	CHH	-0.0352
Gm12	37387973	37388972 Gmdrm	hypo	CHH	-0.1211
Gm12	37392150	37392428 Gmdrm	hypo	CHH	-0.0666
Gm12	37397201	37398098 Gmdrm	hypo	CHH	-0.0679
Gm12	37403523	37404393 Gmdrm	hypo	CHH	-0.0883
Gm12	37412819	37413780 Gmdrm	hypo	CHH	-0.3483
Gm12	37416884	37417875 Gmdrm	hypo	CHH	-0.0163
Gm12	37421194	37422180 Gmdrm	hypo	CHH	-0.0234
Gm12	37425530	37426528 Gmdrm	hypo	CHH	-0.0147
Gm12	37426534	37427529 Gmdrm	hypo	CHH	-0.0698
Gm12	37427542	37428539 Gmdrm	hypo	CHH	-0.0338
Gm12	37428548	37429131 Gmdrm	hypo	CHH	-0.1306
Gm12	37434389	37434618 Gmdrm	hypo	CHH	-0.0825
Gm12	37444198	37445196 Gmdrm	hypo	CHH	-0.0726
Gm12	37445205	37446191 Gmdrm	hypo	CHH	-0.075
Gm12	37453145	37454143 Gmdrm	hypo	CHH	-0.0278
Gm12	37469278	37470276 Gmdrm	hypo	CHH	-0.0202
Gm12	37473010	37473992 Gmdrm	hypo	CHH	-0.0681
Gm12	37474106	37475099 Gmdrm	hypo	CHH	-0.0442
Gm12	37479174	37479977 Gmdrm	hypo	CHH	-0.0978
Gm12	37480297	37481296 Gmdrm	hypo	CHH	-0.1609
Gm12	37488455	37489455 Gmdrm	hypo	CHH	-0.1015
Gm12	37494537	37495531 Gmdrm	hypo	CHH	-0.0111
Gm12	37506845	37507807 Gmdrm	hypo	CHH	-0.1607
Gm12	37510718	37511700 Gmdrm	hypo	CHH	-0.1135
Gm12	37512760	37513561 Gmdrm	hypo	CHH	-0.0268
Gm12	37514319	37515310 Gmdrm	hypo	CHH	-0.2247
Gm12	37523312	37524282 Gmdrm	hypo	CHH	-0.0188
Gm12	37537264	37538261 Gmdrm	hypo	CHH	-0.0219
Gm12	37538269	37539265 Gmdrm	hypo	CHH	-0.0333
Gm12	37541285	37542284 Gmdrm	hypo	CHH	-0.0203
Gm12	37542286	37542755 Gmdrm	hypo	CHH	-0.4057
Gm12	37548691	37549684 Gmdrm	hypo	CHH	-0.1242
Gm12	37549694	37550670 Gmdrm	hypo	CHH	-0.0438
Gm12	37557818	37558817 Gmdrm	hypo	CHH	-0.0263
Gm12	37564069	37565057 Gmdrm	hypo	CHH	-0.0254
Gm12	37565072	37566063 Gmdrm	hypo	CHH	-0.0463
Gm12	37570051	37571025 Gmdrm	hypo	CHH	-0.0147
Gm12	37575143	37576127 Gmdrm	hypo	CHH	-0.0836
Gm12	37576155	37577143 Gmdrm	hypo	CHH	-0.0476

Gm12	37581558	37582557	Gmdrm	hypo	CHH	-0.0202
Gm12	37600701	37601123	Gmdrm	hypo	CHH	-0.0156
Gm12	37601851	37602835	Gmdrm	hypo	CHH	-0.0147
Gm12	37612146	37612208	Gmdrm	hypo	CHH	-0.04
Gm12	37616894	37617887	Gmdrm	hypo	CHH	-0.0159
Gm12	37617911	37618908	Gmdrm	hypo	CHH	-0.0905
Gm12	37618914	37619913	Gmdrm	hypo	CHH	-0.1049
Gm12	37619924	37620882	Gmdrm	hypo	CHH	-0.3151
Gm12	37621745	37622731	Gmdrm	hypo	CHH	-0.0233
Gm12	37629109	37630102	Gmdrm	hypo	CHH	-0.027
Gm12	37630182	37631167	Gmdrm	hypo	CHH	-0.0521
Gm12	37643864	37644859	Gmdrm	hypo	CHH	-0.1619
Gm12	37663888	37664875	Gmdrm	hypo	CHH	-0.0191
Gm12	37668820	37669812	Gmdrm	hypo	CHH	-0.0204
Gm12	37750147	37750525	Gmdrm	hypo	CHH	-0.0378
Gm12	37763751	37764744	Gmdrm	hypo	CHH	-0.0312
Gm12	37767782	37768778	Gmdrm	hypo	CHH	-0.0244
Gm12	37772577	37773570	Gmdrm	hypo	CHH	-0.0697
Gm12	37798157	37798774	Gmdrm	hypo	CHH	-0.0233
Gm12	37810774	37811762	Gmdrm	hypo	CHH	-0.0457
Gm12	37814901	37815066	Gmdrm	hypo	CHH	-0.04
Gm12	37815691	37816640	Gmdrm	hypo	CHH	-0.0407
Gm12	37820880	37821853	Gmdrm	hypo	CHH	-0.1537
Gm12	37829473	37830467	Gmdrm	hypo	CHH	-0.0228
Gm12	37830508	37831504	Gmdrm	hypo	CHH	-0.0531
Gm12	37837803	37838801	Gmdrm	hypo	CHH	-0.0275
Gm12	37838805	37839799	Gmdrm	hypo	CHH	-0.0222
Gm12	37848707	37849706	Gmdrm	hypo	CHH	-0.0149
Gm12	37856223	37857217	Gmdrm	hypo	CHH	-0.1192
Gm12	37857343	37858335	Gmdrm	hypo	CHH	-0.0155
Gm12	37858358	37859328	Gmdrm	hypo	CHH	-0.0153
Gm12	37874990	37875980	Gmdrm	hypo	CHH	-0.0325
Gm12	37892756	37893756	Gmdrm	hypo	CHH	-0.0346
Gm12	37893764	37894529	Gmdrm	hypo	CHH	-0.0177
Gm12	37897694	37898643	Gmdrm	hypo	CHH	-0.0531
Gm12	37900725	37901714	Gmdrm	hypo	CHH	-0.0513
Gm12	37906321	37907314	Gmdrm	hypo	CHH	-0.0526
Gm12	37907328	37908309	Gmdrm	hypo	CHH	-0.0897
Gm12	37912411	37913411	Gmdrm	hypo	CHH	-0.0381
Gm12	37913417	37914415	Gmdrm	hypo	CHH	-0.0393
Gm12	37914418	37915416	Gmdrm	hypo	CHH	-0.0435
Gm12	37915422	37916418	Gmdrm	hypo	CHH	-0.0194
Gm12	37917431	37918430	Gmdrm	hypo	CHH	-0.038
Gm12	37918437	37919430	Gmdrm	hypo	CHH	-0.0417
Gm12	37919439	37920407	Gmdrm	hypo	CHH	-0.0157
Gm12	37921545	37922543	Gmdrm	hypo	CHH	-0.0209

Gm12	37929308	37930028	Gmdrm	hypo	CHH	-0.0179
Gm12	37932252	37933160	Gmdrm	hypo	CHH	-0.0441
Gm12	37934646	37935646	Gmdrm	hypo	CHH	-0.0197
Gm12	37937655	37938624	Gmdrm	hypo	CHH	-0.0222
Gm12	37948077	37949063	Gmdrm	hypo	CHH	-0.0204
Gm12	37950092	37951087	Gmdrm	hypo	CHH	-0.0578
Gm12	37951098	37952092	Gmdrm	hypo	CHH	-0.0744
Gm12	37952110	37953102	Gmdrm	hypo	CHH	-0.0553
Gm12	37953115	37954112	Gmdrm	hypo	CHH	-0.0414
Gm12	37962077	37963072	Gmdrm	hypo	CHH	-0.0283
Gm12	37963085	37964077	Gmdrm	hypo	CHH	-0.0476
Gm12	37964101	37964402	Gmdrm	hypo	CHH	-0.0208
Gm12	37966876	37967872	Gmdrm	hypo	CHH	-0.0185
Gm12	37969932	37970649	Gmdrm	hypo	CHH	-0.0225
Gm12	37971186	37972181	Gmdrm	hypo	CHH	-0.0419
Gm12	37975233	37976066	Gmdrm	hypo	CHH	-0.032
Gm12	37976336	37977334	Gmdrm	hypo	CHH	-0.2084
Gm12	37977381	37978361	Gmdrm	hypo	CHH	-0.051
Gm12	37978384	37979376	Gmdrm	hypo	CHH	-0.094
Gm12	37985810	37985957	Gmdrm	hypo	CHH	-0.058
Gm12	37998118	37999116	Gmdrm	hypo	CHH	-0.0301
Gm12	37999134	37999650	Gmdrm	hypo	CHH	-0.0214
Gm12	38004067	38005039	Gmdrm	hypo	CHH	-0.0647
Gm12	38005095	38006093	Gmdrm	hypo	CHH	-0.0172
Gm12	38008984	38009840	Gmdrm	hypo	CHH	-0.0179
Gm12	38017819	38018818	Gmdrm	hypo	CHH	-0.37
Gm12	38018827	38019821	Gmdrm	hypo	CHH	-0.1469
Gm12	38022431	38023411	Gmdrm	hypo	CHH	-0.0158
Gm12	38027551	38027744	Gmdrm	hypo	CHH	-0.0279
Gm12	38040686	38041213	Gmdrm	hypo	CHH	-0.025
Gm12	38042803	38043798	Gmdrm	hypo	CHH	-0.0262
Gm12	38048218	38049216	Gmdrm	hypo	CHH	-0.0517
Gm12	38049245	38050237	Gmdrm	hypo	CHH	-0.0505
Gm12	38052510	38053509	Gmdrm	hypo	CHH	-0.1379
Gm12	38056886	38057855	Gmdrm	hypo	CHH	-0.0152
Gm12	38073736	38074735	Gmdrm	hypo	CHH	-0.02
Gm12	38079621	38080618	Gmdrm	hypo	CHH	-0.0232
Gm12	38080622	38081594	Gmdrm	hypo	CHH	-0.0687
Gm12	38086387	38087380	Gmdrm	hypo	CHH	-0.0182
Gm12	38087425	38088383	Gmdrm	hypo	CHH	-0.0232
Gm12	38094649	38095267	Gmdrm	hypo	CHH	-0.0274
Gm12	38105738	38106726	Gmdrm	hypo	CHH	-0.0501
Gm12	38106743	38107743	Gmdrm	hypo	CHH	-0.0438
Gm12	38108400	38108518	Gmdrm	hypo	CHH	-0.034
Gm12	38111478	38112477	Gmdrm	hypo	CHH	-0.0213
Gm12	38113423	38114417	Gmdrm	hypo	CHH	-0.1151

Gm12	38119897	38120276	Gmdrm	hypo	CHH	-0.0266
Gm12	38122613	38123554	Gmdrm	hypo	CHH	-0.0168
Gm12	38130854	38131854	Gmdrm	hypo	CHH	-0.0196
Gm12	38136099	38137095	Gmdrm	hypo	CHH	-0.0345
Gm12	38150077	38151072	Gmdrm	hypo	CHH	-0.0452
Gm12	38157006	38157987	Gmdrm	hypo	CHH	-0.02
Gm12	38162646	38163561	Gmdrm	hypo	CHH	-0.018
Gm12	38177557	38178554	Gmdrm	hypo	CHH	-0.1198
Gm12	38178573	38179562	Gmdrm	hypo	CHH	-0.1096
Gm12	38180603	38181600	Gmdrm	hypo	CHH	-0.1053
Gm12	38184720	38185717	Gmdrm	hypo	CHH	-0.3452
Gm12	38185744	38186738	Gmdrm	hypo	CHH	-0.0093
Gm12	38200714	38201714	Gmdrm	hypo	CHH	-0.0617
Gm12	38210554	38210975	Gmdrm	hypo	CHH	-0.0206
Gm12	38212747	38213741	Gmdrm	hypo	CHH	-0.0654
Gm12	38218417	38219372	Gmdrm	hypo	CHH	-0.0202
Gm12	38220443	38221105	Gmdrm	hypo	CHH	-0.0225
Gm12	38227048	38228035	Gmdrm	hypo	CHH	-0.0219
Gm12	38230205	38231165	Gmdrm	hypo	CHH	-0.0454
Gm12	38241008	38242004	Gmdrm	hypo	CHH	-0.0197
Gm12	38251616	38252602	Gmdrm	hypo	CHH	-0.0103
Gm12	38262077	38263073	Gmdrm	hypo	CHH	-0.0576
Gm12	38291644	38292642	Gmdrm	hypo	CHH	-0.1159
Gm12	38319885	38320883	Gmdrm	hypo	CHH	-0.1312
Gm12	38320888	38321864	Gmdrm	hypo	CHH	-0.1366
Gm12	38330045	38331041	Gmdrm	hypo	CHH	-0.0152
Gm12	38334815	38335809	Gmdrm	hypo	CHH	-0.1823
Gm12	38339799	38340350	Gmdrm	hypo	CHH	-0.0318
Gm12	38342529	38342832	Gmdrm	hypo	CHH	-0.0209
Gm12	38348340	38349314	Gmdrm	hypo	CHH	-0.0525
Gm12	38349377	38350341	Gmdrm	hypo	CHH	-0.0484
Gm12	38350794	38351754	Gmdrm	hypo	CHH	-0.1318
Gm12	38351803	38352791	Gmdrm	hypo	CHH	-0.0423
Gm12	38352833	38353231	Gmdrm	hypo	CHH	-0.0255
Gm12	38355144	38356119	Gmdrm	hypo	CHH	-0.0154
Gm12	38365721	38366382	Gmdrm	hypo	CHH	-0.0103
Gm12	38368607	38369606	Gmdrm	hypo	CHH	-0.0297
Gm12	38369632	38370632	Gmdrm	hypo	CHH	-0.0328
Gm12	38372113	38373111	Gmdrm	hypo	CHH	-0.1289
Gm12	38375176	38375640	Gmdrm	hypo	CHH	-0.0417
Gm12	38376934	38377886	Gmdrm	hypo	CHH	-0.0202
Gm12	38385896	38386893	Gmdrm	hypo	CHH	-0.0198
Gm12	38386911	38387905	Gmdrm	hypo	CHH	-0.0169
Gm12	38399039	38400003	Gmdrm	hypo	CHH	-0.0238
Gm12	38412424	38413411	Gmdrm	hypo	CHH	-0.025
Gm12	38415018	38415972	Gmdrm	hypo	CHH	-0.0236

Gm12	38417074	38418073	Gmdrm	hypo	CHH	-0.0204
Gm12	38420613	38421606	Gmdrm	hypo	CHH	-0.0651
Gm12	38433160	38434155	Gmdrm	hypo	CHH	-0.0149
Gm12	38467829	38468655	Gmdrm	hypo	CHH	-0.0318
Gm12	38477852	38478850	Gmdrm	hypo	CHH	-0.0153
Gm12	38478867	38479866	Gmdrm	hypo	CHH	-0.0584
Gm12	38482921	38483917	Gmdrm	hypo	CHH	-0.0173
Gm12	38491055	38491357	Gmdrm	hypo	CHH	-0.0335
Gm12	38491461	38492457	Gmdrm	hypo	CHH	-0.0429
Gm12	38504923	38505920	Gmdrm	hypo	CHH	-0.04
Gm12	38508669	38509667	Gmdrm	hypo	CHH	-0.0156
Gm12	38511198	38512197	Gmdrm	hypo	CHH	-0.0672
Gm12	38512201	38512804	Gmdrm	hypo	CHH	-0.062
Gm12	38518721	38519539	Gmdrm	hypo	CHH	-0.024
Gm12	38521761	38522738	Gmdrm	hypo	CHH	-0.0263
Gm12	38550039	38551020	Gmdrm	hypo	CHH	-0.0279
Gm12	38555840	38556242	Gmdrm	hypo	CHH	-0.1371
Gm12	38562652	38563641	Gmdrm	hypo	CHH	-0.0279
Gm12	38565141	38566115	Gmdrm	hypo	CHH	-0.0706
Gm12	38566146	38567140	Gmdrm	hypo	CHH	-0.0318
Gm12	38579573	38580571	Gmdrm	hypo	CHH	-0.0127
Gm12	38582859	38583833	Gmdrm	hypo	CHH	-0.0111
Gm12	38583872	38584863	Gmdrm	hypo	CHH	-0.0307
Gm12	38597156	38597947	Gmdrm	hypo	CHH	-0.0204
Gm12	38602255	38603250	Gmdrm	hypo	CHH	-0.0374
Gm12	38603261	38604258	Gmdrm	hypo	CHH	-0.0307
Gm12	38604313	38605309	Gmdrm	hypo	CHH	-0.0467
Gm12	38609403	38610403	Gmdrm	hypo	CHH	-0.0469
Gm12	38610415	38611261	Gmdrm	hypo	CHH	-0.0884
Gm12	38611875	38612870	Gmdrm	hypo	CHH	-0.0344
Gm12	38621515	38622515	Gmdrm	hypo	CHH	-0.0409
Gm12	38626496	38627112	Gmdrm	hypo	CHH	-0.1486
Gm12	38630244	38631240	Gmdrm	hypo	CHH	-0.1533
Gm12	38631247	38631633	Gmdrm	hypo	CHH	-0.1148
Gm12	38641211	38642197	Gmdrm	hypo	CHH	-0.0218
Gm12	38644234	38645233	Gmdrm	hypo	CHH	-0.0465
Gm12	38645235	38646204	Gmdrm	hypo	CHH	-0.069
Gm12	38652133	38653118	Gmdrm	hypo	CHH	-0.0741
Gm12	38653356	38654309	Gmdrm	hypo	CHH	-0.0161
Gm12	38659089	38660088	Gmdrm	hypo	CHH	-0.0257
Gm12	38663162	38664156	Gmdrm	hypo	CHH	-0.1037
Gm12	38664163	38665149	Gmdrm	hypo	CHH	-0.0313
Gm12	38665559	38666534	Gmdrm	hypo	CHH	-0.0375
Gm12	38689844	38690836	Gmdrm	hypo	CHH	-0.0918
Gm12	38701791	38702104	Gmdrm	hypo	CHH	-0.0529
Gm12	38702695	38703690	Gmdrm	hypo	CHH	-0.0409

Gm12	38703705	38704691	Gmdrm	hypo	CHH	-0.0164
Gm12	38709375	38710371	Gmdrm	hypo	CHH	-0.0458
Gm12	38716919	38717006	Gmdrm	hypo	CHH	-0.0933
Gm12	38720009	38720861	Gmdrm	hypo	CHH	-0.0272
Gm12	38725107	38725437	Gmdrm	hypo	CHH	-0.0363
Gm12	38729628	38730604	Gmdrm	hypo	CHH	-0.0483
Gm12	38731233	38731602	Gmdrm	hypo	CHH	-0.0496
Gm12	38731730	38732692	Gmdrm	hypo	CHH	-0.0725
Gm12	38734747	38735725	Gmdrm	hypo	CHH	-0.0155
Gm12	38736769	38737767	Gmdrm	hypo	CHH	-0.1416
Gm12	38738803	38739798	Gmdrm	hypo	CHH	-0.012
Gm12	38747068	38748053	Gmdrm	hypo	CHH	-0.0262
Gm12	38748072	38749057	Gmdrm	hypo	CHH	-0.0228
Gm12	38751166	38752123	Gmdrm	hypo	CHH	-0.0535
Gm12	38752167	38753167	Gmdrm	hypo	CHH	-0.2608
Gm12	38753168	38753640	Gmdrm	hypo	CHH	-0.4698
Gm12	38753795	38754790	Gmdrm	hypo	CHH	-0.3129
Gm12	38758799	38759798	Gmdrm	hypo	CHH	-0.0667
Gm12	38759800	38760788	Gmdrm	hypo	CHH	-0.0923
Gm12	38763841	38764841	Gmdrm	hypo	CHH	-0.0884
Gm12	38765491	38766489	Gmdrm	hypo	CHH	-0.044
Gm12	38770022	38771021	Gmdrm	hypo	CHH	-0.0208
Gm12	38771033	38772033	Gmdrm	hypo	CHH	-0.02
Gm12	38773048	38773912	Gmdrm	hypo	CHH	-0.0254
Gm12	38775519	38775667	Gmdrm	hypo	CHH	-0.0727
Gm12	38779825	38780811	Gmdrm	hypo	CHH	-0.0328
Gm12	38780874	38781874	Gmdrm	hypo	CHH	-0.0349
Gm12	38783879	38784862	Gmdrm	hypo	CHH	-0.0357
Gm12	38784880	38785679	Gmdrm	hypo	CHH	-0.0195
Gm12	38791025	38792019	Gmdrm	hypo	CHH	-0.0785
Gm12	38792040	38793007	Gmdrm	hypo	CHH	-0.0347
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Gm12	38804485	38805483	Gmdrm	hypo	CHH	-0.0154
Gm12	38805494	38806476	Gmdrm	hypo	CHH	-0.0156
Gm12	38812954	38813946	Gmdrm	hypo	CHH	-0.0165
Gm12	38824271	38825263	Gmdrm	hypo	CHH	-0.0149
Gm12	38825382	38826380	Gmdrm	hypo	CHH	-0.0171
Gm12	38828006	38828963	Gmdrm	hypo	CHH	-0.3749
Gm12	38862215	38863108	Gmdrm	hypo	CHH	-0.1079
Gm12	38868386	38869380	Gmdrm	hypo	CHH	-0.0312
Gm12	38869930	38870923	Gmdrm	hypo	CHH	-0.0161
Gm12	38870934	38871931	Gmdrm	hypo	CHH	-0.0685
Gm12	38871937	38872922	Gmdrm	hypo	CHH	-0.0137
Gm12	38905245	38906232	Gmdrm	hypo	CHH	-0.1478
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Gm12	38912480	38913464	Gmdrm	hypo	CHH	-0.0128

Gm12	38920253	38921237	Gmdrm	hypo	CHH	-0.0212
Gm12	38924628	38924990	Gmdrm	hypo	CHH	-0.066
Gm12	38926147	38927123	Gmdrm	hypo	CHH	-0.0392
Gm12	38931163	38932158	Gmdrm	hypo	CHH	-0.0591
Gm12	38932188	38933188	Gmdrm	hypo	CHH	-0.0132
Gm12	38933210	38933839	Gmdrm	hypo	CHH	-0.0234
Gm12	38941223	38942223	Gmdrm	hypo	CHH	-0.0596
Gm12	38943234	38944219	Gmdrm	hypo	CHH	-0.0277
Gm12	38945248	38946229	Gmdrm	hypo	CHH	-0.0215
Gm12	38973151	38974151	Gmdrm	hypo	CHH	-0.0174
Gm12	38978269	38979268	Gmdrm	hypo	CHH	-0.1924
Gm12	38979273	38980224	Gmdrm	hypo	CHH	-0.0635
Gm12	38998767	38999760	Gmdrm	hypo	CHH	-0.1527
Gm12	38999775	39000759	Gmdrm	hypo	CHH	-0.023
Gm12	39002665	39003665	Gmdrm	hypo	CHH	-0.0722
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Gm12	39013873	39014850	Gmdrm	hypo	CHH	-0.0225
Gm12	39014877	39015860	Gmdrm	hypo	CHH	-0.0925
Gm12	39018641	39019641	Gmdrm	hypo	CHH	-0.0273
Gm12	39019650	39020588	Gmdrm	hypo	CHH	-0.0981
Gm12	39021733	39022460	Gmdrm	hypo	CHH	-0.0474
Gm12	39023890	39024198	Gmdrm	hypo	CHH	-0.0806
Gm12	39024304	39025299	Gmdrm	hypo	CHH	-0.0187
Gm12	39025312	39026312	Gmdrm	hypo	CHH	-0.0281
Gm12	39026316	39027316	Gmdrm	hypo	CHH	-0.0243
Gm12	39051956	39052939	Gmdrm	hypo	CHH	-0.3457
Gm12	39062293	39062985	Gmdrm	hypo	CHH	-0.1124
Gm12	39064106	39065090	Gmdrm	hypo	CHH	-0.0344
Gm12	39065517	39066517	Gmdrm	hypo	CHH	-0.0306
Gm12	39066524	39067519	Gmdrm	hypo	CHH	-0.0324
Gm12	39068252	39069233	Gmdrm	hypo	CHH	-0.0197
Gm12	39070883	39071882	Gmdrm	hypo	CHH	-0.0545
Gm12	39071885	39072865	Gmdrm	hypo	CHH	-0.1444
Gm12	39084301	39085300	Gmdrm	hypo	CHH	-0.0377
Gm12	39091596	39092571	Gmdrm	hypo	CHH	-0.0276
Gm12	39096342	39097321	Gmdrm	hypo	CHH	-0.0124
Gm12	39098386	39098894	Gmdrm	hypo	CHH	-0.0156
Gm12	39099010	39099934	Gmdrm	hypo	CHH	-0.0142
Gm12	39103121	39104113	Gmdrm	hypo	CHH	-0.0745
Gm12	39105814	39106777	Gmdrm	hypo	CHH	-0.0445
Gm12	39107982	39108977	Gmdrm	hypo	CHH	-0.0311
Gm12	39108992	39109987	Gmdrm	hypo	CHH	-0.0323
Gm12	39112002	39112977	Gmdrm	hypo	CHH	-0.0842
Gm12	39118364	39119351	Gmdrm	hypo	CHH	-0.0255
Gm12	39122044	39123037	Gmdrm	hypo	CHH	-0.0166
Gm12	39125174	39126173	Gmdrm	hypo	CHH	-0.0486

Gm12	39130738	39131731	Gmdrm	hypo	CHH	-0.1766
Gm12	39131744	39132723	Gmdrm	hypo	CHH	-0.0347
Gm12	39147234	39148234	Gmdrm	hypo	CHH	-0.1205
Gm12	39148235	39148871	Gmdrm	hypo	CHH	-0.2343
Gm12	39154491	39155487	Gmdrm	hypo	CHH	-0.0423
Gm12	39156482	39157443	Gmdrm	hypo	CHH	-0.017
Gm12	39158512	39159496	Gmdrm	hypo	CHH	-0.02
Gm12	39167362	39168332	Gmdrm	hypo	CHH	-0.139
Gm12	39168381	39169026	Gmdrm	hypo	CHH	-0.0213
Gm12	39169239	39170214	Gmdrm	hypo	CHH	-0.0177
Gm12	39170256	39170916	Gmdrm	hypo	CHH	-0.0408
Gm12	39171549	39172544	Gmdrm	hypo	CHH	-0.1207
Gm12	39172555	39173541	Gmdrm	hypo	CHH	-0.2957
Gm12	39179981	39180974	Gmdrm	hypo	CHH	-0.0118
Gm12	39181704	39182687	Gmdrm	hypo	CHH	-0.1584
Gm12	39183724	39184724	Gmdrm	hypo	CHH	-0.0158
Gm12	39184731	39185718	Gmdrm	hypo	CHH	-0.0461
Gm12	39196012	39197012	Gmdrm	hypo	CHH	-0.1355
Gm12	39198100	39199087	Gmdrm	hypo	CHH	-0.0117
Gm12	39211267	39212235	Gmdrm	hypo	CHH	-0.0447
Gm12	39213743	39214741	Gmdrm	hypo	CHH	-0.0119
Gm12	39221125	39222115	Gmdrm	hypo	CHH	-0.0945
Gm12	39222130	39222980	Gmdrm	hypo	CHH	-0.0692
Gm12	39224499	39225499	Gmdrm	hypo	CHH	-0.012
Gm12	39228641	39229618	Gmdrm	hypo	CHH	-0.1286
Gm12	39230665	39231221	Gmdrm	hypo	CHH	-0.1091
Gm12	39238544	39239107	Gmdrm	hypo	CHH	-0.0454
Gm12	39239968	39240945	Gmdrm	hypo	CHH	-0.0245
Gm12	39240984	39241172	Gmdrm	hypo	CHH	-0.1172
Gm12	39261911	39262121	Gmdrm	hypo	CHH	-0.3628
Gm12	39275215	39276181	Gmdrm	hypo	CHH	-0.1073
Gm12	39310185	39311178	Gmdrm	hypo	CHH	-0.0161
Gm12	39313222	39314214	Gmdrm	hypo	CHH	-0.0115
Gm12	39329456	39330451	Gmdrm	hypo	CHH	-0.0559
Gm12	39350601	39351598	Gmdrm	hypo	CHH	-0.022
Gm12	39351605	39352597	Gmdrm	hypo	CHH	-0.0502
Gm12	39355671	39356662	Gmdrm	hypo	CHH	-0.0122
Gm12	39356672	39357660	Gmdrm	hypo	CHH	-0.3667
Gm12	39358692	39358982	Gmdrm	hypo	CHH	-0.0742
Gm12	39359198	39360191	Gmdrm	hypo	CHH	-0.033
Gm12	39360204	39361185	Gmdrm	hypo	CHH	-0.0791
Gm12	39361218	39362213	Gmdrm	hypo	CHH	-0.02
Gm12	39365788	39366367	Gmdrm	hypo	CHH	-0.3501
Gm12	39369877	39370873	Gmdrm	hypo	CHH	-0.0145
Gm12	39379655	39380649	Gmdrm	hypo	CHH	-0.0177
Gm12	39394907	39395881	Gmdrm	hypo	CHH	-0.025

Gm12	39397922	39398901	Gmdrm	hypo	CHH	-0.0162
Gm12	39412658	39413639	Gmdrm	hypo	CHH	-0.0169
Gm12	39425236	39426233	Gmdrm	hypo	CHH	-0.0172
Gm12	39446885	39447880	Gmdrm	hypo	CHH	-0.0222
Gm12	39455073	39455197	Gmdrm	hypo	CHH	-0.0771
Gm12	39457330	39458316	Gmdrm	hypo	CHH	-0.0177
Gm12	39467394	39468369	Gmdrm	hypo	CHH	-0.019
Gm12	39478971	39479956	Gmdrm	hypo	CHH	-0.3
Gm12	39489521	39490501	Gmdrm	hypo	CHH	-0.0754
Gm12	39505635	39506631	Gmdrm	hypo	CHH	-0.0429
Gm12	39506637	39507595	Gmdrm	hypo	CHH	-0.0554
Gm12	39507683	39508670	Gmdrm	hypo	CHH	-0.0842
Gm12	39518170	39519162	Gmdrm	hypo	CHH	-0.1188
Gm12	39527848	39528844	Gmdrm	hypo	CHH	-0.0173
Gm12	39534541	39535480	Gmdrm	hypo	CHH	-0.0462
Gm12	39573589	39574398	Gmdrm	hypo	CHH	-0.0094
Gm12	39574541	39575514	Gmdrm	hypo	CHH	-0.0229
Gm12	39575674	39576604	Gmdrm	hypo	CHH	-0.0771
Gm12	39582441	39583432	Gmdrm	hypo	CHH	-0.0527
Gm12	39583442	39584434	Gmdrm	hypo	CHH	-0.0403
Gm12	39584461	39585442	Gmdrm	hypo	CHH	-0.0229
Gm12	39596302	39596682	Gmdrm	hypo	CHH	-0.0365
Gm12	39613373	39614349	Gmdrm	hypo	CHH	-0.0329
Gm12	39617605	39618007	Gmdrm	hypo	CHH	-0.0516
Gm12	39623820	39624805	Gmdrm	hypo	CHH	-0.0188
Gm12	39627246	39628238	Gmdrm	hypo	CHH	-0.1842
Gm12	39628250	39629243	Gmdrm	hypo	CHH	-0.1763
Gm12	39633806	39634147	Gmdrm	hypo	CHH	-0.0212
Gm12	39635864	39636855	Gmdrm	hypo	CHH	-0.2957
Gm12	39636868	39637867	Gmdrm	hypo	CHH	-0.2062
Gm12	39638927	39639926	Gmdrm	hypo	CHH	-0.2682
Gm12	39642840	39643834	Gmdrm	hypo	CHH	-0.0388
Gm12	39647660	39647719	Gmdrm	hypo	CHH	-0.0342
Gm12	39649665	39650648	Gmdrm	hypo	CHH	-0.0233
Gm12	39651590	39652134	Gmdrm	hypo	CHH	-0.0336
Gm12	39653071	39654071	Gmdrm	hypo	CHH	-0.0935
Gm12	39654073	39655055	Gmdrm	hypo	CHH	-0.1643
Gm12	39655077	39656070	Gmdrm	hypo	CHH	-0.0744
Gm12	39656080	39657077	Gmdrm	hypo	CHH	-0.046
Gm12	39657083	39658064	Gmdrm	hypo	CHH	-0.0367
Gm12	39658141	39658281	Gmdrm	hypo	CHH	-0.055
Gm12	39658387	39658768	Gmdrm	hypo	CHH	-0.0532
Gm12	39658892	39659188	Gmdrm	hypo	CHH	-0.0346
Gm12	39663816	39663924	Gmdrm	hypo	CHH	-0.2861
Gm12	39667262	39668259	Gmdrm	hypo	CHH	-0.0529
Gm12	39668271	39669243	Gmdrm	hypo	CHH	-0.0587

Gm12	39685677	39685969	Gmdrm	hypo	CHH	-0.091
Gm12	39686782	39687757	Gmdrm	hypo	CHH	-0.02
Gm12	39689416	39690395	Gmdrm	hypo	CHH	-0.0422
Gm12	39691438	39692438	Gmdrm	hypo	CHH	-0.036
Gm12	39692440	39693139	Gmdrm	hypo	CHH	-0.1545
Gm12	39702700	39703700	Gmdrm	hypo	CHH	-0.0199
Gm12	39710794	39711782	Gmdrm	hypo	CHH	-0.0637
Gm12	39711795	39712793	Gmdrm	hypo	CHH	-0.0473
Gm12	39715145	39716121	Gmdrm	hypo	CHH	-0.0156
Gm12	39719245	39720230	Gmdrm	hypo	CHH	-0.1134
Gm12	39728643	39729629	Gmdrm	hypo	CHH	-0.1004
Gm12	39729647	39730324	Gmdrm	hypo	CHH	-0.0772
Gm12	39736728	39737728	Gmdrm	hypo	CHH	-0.0498
Gm12	39739907	39740366	Gmdrm	hypo	CHH	-0.0565
Gm12	39740786	39741410	Gmdrm	hypo	CHH	-0.028
Gm12	39745257	39746246	Gmdrm	hypo	CHH	-0.0242
Gm12	39747390	39747922	Gmdrm	hypo	CHH	-0.0268
Gm12	39748980	39749977	Gmdrm	hypo	CHH	-0.092
Gm12	39749996	39750983	Gmdrm	hypo	CHH	-0.0289
Gm12	39752292	39752329	Gmdrm	hypo	CHH	-0.05
Gm12	39754129	39754172	Gmdrm	hypo	CHH	-0.096
Gm12	39754337	39755308	Gmdrm	hypo	CHH	-0.116
Gm12	39755343	39756339	Gmdrm	hypo	CHH	-0.105
Gm12	39756345	39757344	Gmdrm	hypo	CHH	-0.0334
Gm12	39764421	39765407	Gmdrm	hypo	CHH	-0.082
Gm12	39775144	39775588	Gmdrm	hypo	CHH	-0.0157
Gm12	39783220	39783295	Gmdrm	hypo	CHH	-0.0417
Gm12	39786704	39787659	Gmdrm	hypo	CHH	-0.0845
Gm12	39788747	39789745	Gmdrm	hypo	CHH	-0.0182
Gm12	39790777	39791762	Gmdrm	hypo	CHH	-0.0215
Gm12	39795691	39796687	Gmdrm	hypo	CHH	-0.0488
Gm12	39796705	39797704	Gmdrm	hypo	CHH	-0.0434
Gm12	39797713	39798711	Gmdrm	hypo	CHH	-0.1914
Gm12	39801455	39802451	Gmdrm	hypo	CHH	-0.0769
Gm12	39802471	39803467	Gmdrm	hypo	CHH	-0.096
Gm12	39805025	39806001	Gmdrm	hypo	CHH	-0.0189
Gm12	39807558	39808537	Gmdrm	hypo	CHH	-0.0127
Gm12	39812225	39813036	Gmdrm	hypo	CHH	-0.0145
Gm12	39823426	39823598	Gmdrm	hypo	CHH	-0.0216
Gm12	39830212	39831196	Gmdrm	hypo	CHH	-0.0218
Gm12	39836030	39837027	Gmdrm	hypo	CHH	-0.0139
Gm12	39839341	39840309	Gmdrm	hypo	CHH	-0.0218
Gm12	39841353	39842335	Gmdrm	hypo	CHH	-0.0328
Gm12	39844491	39844602	Gmdrm	hypo	CHH	-0.0386
Gm12	39846273	39847257	Gmdrm	hypo	CHH	-0.025
Gm12	39851834	39852777	Gmdrm	hypo	CHH	-0.0175

Gm12	39858228	39859228	Gmdrm	hypo	CHH	-0.0762
Gm12	39859233	39860233	Gmdrm	hypo	CHH	-0.0538
Gm12	39861247	39862244	Gmdrm	hypo	CHH	-0.0788
Gm12	39864803	39865672	Gmdrm	hypo	CHH	-0.0127
Gm12	39872902	39873894	Gmdrm	hypo	CHH	-0.038
Gm12	39892132	39893129	Gmdrm	hypo	CHH	-0.0106
Gm12	39897808	39898807	Gmdrm	hypo	CHH	-0.0657
Gm12	39898812	39899810	Gmdrm	hypo	CHH	-0.0425
Gm12	39909468	39910464	Gmdrm	hypo	CHH	-0.0191
Gm12	39913171	39913993	Gmdrm	hypo	CHH	-0.0271
Gm12	39924348	39925321	Gmdrm	hypo	CHH	-0.0155
Gm12	39926910	39927896	Gmdrm	hypo	CHH	-0.0131
Gm12	39940404	39941399	Gmdrm	hypo	CHH	-0.02
Gm12	39954531	39955474	Gmdrm	hypo	CHH	-0.037
Gm12	39958289	39959275	Gmdrm	hypo	CHH	-0.0372
Gm12	39963980	39964971	Gmdrm	hypo	CHH	-0.0169
Gm12	39969990	39970988	Gmdrm	hypo	CHH	-0.0768
Gm12	39978758	39979744	Gmdrm	hypo	CHH	-0.1642
Gm12	39990664	39991664	Gmdrm	hypo	CHH	-0.1516
Gm12	39991666	39992651	Gmdrm	hypo	CHH	-0.1197
Gm12	40002128	40003100	Gmdrm	hypo	CHH	-0.2746
Gm12	40003149	40004145	Gmdrm	hypo	CHH	-0.0533
Gm12	40006302	40007299	Gmdrm	hypo	CHH	-0.0553
Gm12	40007304	40008304	Gmdrm	hypo	CHH	-0.0372
Gm12	40015397	40016355	Gmdrm	hypo	CHH	-0.067
Gm12	40016437	40017437	Gmdrm	hypo	CHH	-0.0625
Gm12	40018137	40019127	Gmdrm	hypo	CHH	-0.0143
Gm12	40026380	40027371	Gmdrm	hypo	CHH	-0.0252
Gm12	40036507	40037482	Gmdrm	hypo	CHH	-0.0594
Gm12	40062857	40063856	Gmdrm	hypo	CHH	-0.0983
Gm12	40063858	40064465	Gmdrm	hypo	CHH	-0.0898
Gm12	40072836	40073822	Gmdrm	hypo	CHH	-0.0927
Gm12	40075866	40076710	Gmdrm	hypo	CHH	-0.0492
Gm12	40077990	40078982	Gmdrm	hypo	CHH	-0.0219
Gm12	40105161	40105475	Gmdrm	hypo	CHH	-0.131
Gm12	40105598	40105857	Gmdrm	hypo	CHH	-0.264
Gm12	40107657	40108653	Gmdrm	hypo	CHH	-0.2817
Gm12	40109707	40110706	Gmdrm	hypo	CHH	-0.108
Gm12	40114507	40115454	Gmdrm	hypo	CHH	-0.0154
Gm12	40116835	40117799	Gmdrm	hypo	CHH	-0.0201
Gm12	40126363	40127363	Gmdrm	hypo	CHH	-0.1451
Gm12	40127364	40128362	Gmdrm	hypo	CHH	-0.0822
Gm12	40130006	40130423	Gmdrm	hypo	CHH	-0.0405
Gm12	40131514	40132510	Gmdrm	hypo	CHH	-0.0144
Gm12	40137622	40138615	Gmdrm	hypo	CHH	-0.0128
Gm12	40138643	40139604	Gmdrm	hypo	CHH	-0.0196

Gm12	40139744	40140244 Gmdrm	hypo	CHH	-0.0393
Gm12	40147647	40148621 Gmdrm	hypo	CHH	-0.0236
Gm12	40155978	40156344 Gmdrm	hypo	CHH	-0.0461
Gm12	40156622	40157622 Gmdrm	hypo	CHH	-0.1143
Gm12	40163790	40164778 Gmdrm	hypo	CHH	-0.0246
Gm12	40179903	40180890 Gmdrm	hypo	CHH	-0.0487
Gm12	40189480	40190479 Gmdrm	hypo	CHH	-0.0213
Gm12	40205706	40206706 Gmdrm	hypo	CHH	-0.0469
Gm12	40206709	40207707 Gmdrm	hypo	CHH	-0.0211
Gm12	40212402	40213402 Gmdrm	hypo	CHH	-0.1497
Gm12	40215513	40216512 Gmdrm	hypo	CHH	-0.0949
Gm12	40236579	40237410 Gmdrm	hypo	CHH	-0.0429
Gm12	40243545	40244540 Gmdrm	hypo	CHH	-0.3276
Gm12	40259753	40260732 Gmdrm	hypo	CHH	-0.0143
Gm12	40260759	40261058 Gmdrm	hypo	CHH	-0.1748
Gm12	40261332	40261479 Gmdrm	hypo	CHH	-0.1338
Gm12	40261621	40262002 Gmdrm	hypo	CHH	-0.2664
Gm12	40262291	40263285 Gmdrm	hypo	CHH	-0.0106
Gm12	40270019	40270110 Gmdrm	hypo	CHH	-0.0811
Gm12	40274542	40275516 Gmdrm	hypo	CHH	-0.0575
Gm12	40276677	40277671 Gmdrm	hypo	CHH	-0.0187
Gm12	40282234	40283200 Gmdrm	hypo	CHH	-0.0191
Gm12	40287960	40288960 Gmdrm	hypo	CHH	-0.2567
Gm12	40298146	40299146 Gmdrm	hypo	CHH	-0.0612
Gm12	40299156	40300136 Gmdrm	hypo	CHH	-0.0547
Gm12	40300511	40300640 Gmdrm	hypo	CHH	-0.048
Gm12	40331915	40332913 Gmdrm	hypo	CHH	-0.1894
Gm12	40332925	40333922 Gmdrm	hypo	CHH	-0.2775
Gm12	40334976	40335976 Gmdrm	hypo	CHH	-0.0156
Gm12	40343645	40344612 Gmdrm	hypo	CHH	-0.0394
Gm12	40359835	40360812 Gmdrm	hypo	CHH	-0.023
Gm12	40361722	40362688 Gmdrm	hypo	CHH	-0.0234
Gm12	40363904	40364884 Gmdrm	hypo	CHH	-0.0536
Gm12	40364924	40365893 Gmdrm	hypo	CHH	-0.011
Gm12	40369188	40370187 Gmdrm	hypo	CHH	-0.0256
Gm12	40372838	40373837 Gmdrm	hypo	CHH	-0.0273
Gm12	40377610	40378505 Gmdrm	hypo	CHH	-0.1484
Gm12	40395726	40396722 Gmdrm	hypo	CHH	-0.05
Gm12	40396751	40397747 Gmdrm	hypo	CHH	-0.0677
Gm12	40399802	40400800 Gmdrm	hypo	CHH	-0.011
Gm12	40410931	40411628 Gmdrm	hypo	CHH	-0.0342
Gm12	40412058	40413058 Gmdrm	hypo	CHH	-0.0265
Gm12	40424573	40425560 Gmdrm	hypo	CHH	-0.0662
Gm12	40439790	40440763 Gmdrm	hypo	CHH	-0.0283
Gm12	40443088	40444087 Gmdrm	hypo	CHH	-0.0703
Gm12	40444541	40445532 Gmdrm	hypo	CHH	-0.0334

Gm12	40447565	40448534	Gmdrm	hypo	CHH	-0.024
Gm12	40453154	40453414	Gmdrm	hypo	CHH	-0.034
Gm12	40455690	40456139	Gmdrm	hypo	CHH	-0.0863
Gm12	40457890	40458889	Gmdrm	hypo	CHH	-0.0539
Gm12	40473749	40474692	Gmdrm	hypo	CHH	-0.0237
Gm12	40481462	40482417	Gmdrm	hypo	CHH	-0.1148
Gm12	40489662	40490655	Gmdrm	hypo	CHH	-0.1644
Gm12	40495673	40496634	Gmdrm	hypo	CHH	-0.1397
Gm12	40501021	40501290	Gmdrm	hypo	CHH	-0.035
Gm12	40509565	40510561	Gmdrm	hypo	CHH	-0.0494
Gm12	40512369	40513369	Gmdrm	hypo	CHH	-0.0517
Gm12	40515446	40516440	Gmdrm	hypo	CHH	-0.16
Gm12	40516473	40517448	Gmdrm	hypo	CHH	-0.0226
Gm12	40521416	40521657	Gmdrm	hypo	CHH	-0.086
Gm12	40534705	40535674	Gmdrm	hypo	CHH	-0.0108
Gm12	40535746	40536459	Gmdrm	hypo	CHH	-0.0165
Gm12	40540361	40541316	Gmdrm	hypo	CHH	-0.0169
Gm12	40545220	40546158	Gmdrm	hypo	CHH	-0.0212
Gm12	40552469	40553418	Gmdrm	hypo	CHH	-0.1668
Gm12	40570646	40571612	Gmdrm	hypo	CHH	-0.2706
Gm12	40572681	40573681	Gmdrm	hypo	CHH	-0.0566
Gm12	40576935	40577916	Gmdrm	hypo	CHH	-0.0767
Gm12	40580869	40581370	Gmdrm	hypo	CHH	-0.0366
Gm12	40582840	40583807	Gmdrm	hypo	CHH	-0.4115
Gm12	40593424	40594421	Gmdrm	hypo	CHH	-0.0171
Gm12	40618333	40619324	Gmdrm	hypo	CHH	-0.075
Gm12	40619336	40620335	Gmdrm	hypo	CHH	-0.055
Gm12	40620338	40621338	Gmdrm	hypo	CHH	-0.0903
Gm12	40621359	40622357	Gmdrm	hypo	CHH	-0.1869
Gm12	40634806	40635804	Gmdrm	hypo	CHH	-0.0049
Gm12	40646914	40647912	Gmdrm	hypo	CHH	-0.0264
Gm12	40648923	40649911	Gmdrm	hypo	CHH	-0.0726
Gm12	40649948	40650947	Gmdrm	hypo	CHH	-0.0375
Gm12	40650949	40651941	Gmdrm	hypo	CHH	-0.0883
Gm12	40651952	40652937	Gmdrm	hypo	CHH	-0.1976
Gm12	40655416	40656412	Gmdrm	hypo	CHH	-0.2291
Gm12	40656422	40657388	Gmdrm	hypo	CHH	-0.0974
Gm12	40657434	40658423	Gmdrm	hypo	CHH	-0.0139
Gm12	40665500	40666449	Gmdrm	hypo	CHH	-0.1871
Gm12	40668553	40669547	Gmdrm	hypo	CHH	-0.0116
Gm12	40692064	40693048	Gmdrm	hypo	CHH	-0.0413
Gm12	40693696	40694692	Gmdrm	hypo	CHH	-0.0562
Gm12	40706093	40707092	Gmdrm	hypo	CHH	-0.0357
Gm12	40719117	40720116	Gmdrm	hypo	CHH	-0.0112
Gm12	40728986	40729367	Gmdrm	hypo	CHH	-0.0239
Gm12	40729655	40730648	Gmdrm	hypo	CHH	-0.0817

Gm12	40730662	40731626 Gmdrm	hypo	CHH	-0.1237
Gm12	40741095	40742083 Gmdrm	hypo	CHH	-0.0568
Gm12	40745124	40746098 Gmdrm	hypo	CHH	-0.2745
Gm12	40746127	40747127 Gmdrm	hypo	CHH	-0.181
Gm12	40747145	40748145 Gmdrm	hypo	CHH	-0.094
Gm12	40759305	40760304 Gmdrm	hypo	CHH	-0.0342
Gm12	40770752	40771748 Gmdrm	hypo	CHH	-0.0164
Gm12	40779928	40780810 Gmdrm	hypo	CHH	-0.234
Gm12	40781289	40782241 Gmdrm	hypo	CHH	-0.0936
Gm12	40782290	40783267 Gmdrm	hypo	CHH	-0.1371
Gm12	40788415	40789414 Gmdrm	hypo	CHH	-0.1455
Gm12	40792970	40793949 Gmdrm	hypo	CHH	-0.0483
Gm12	40793972	40794715 Gmdrm	hypo	CHH	-0.0753
Gm12	40803026	40804026 Gmdrm	hypo	CHH	-0.071
Gm12	40804028	40805018 Gmdrm	hypo	CHH	-0.2164
Gm12	40805030	40805441 Gmdrm	hypo	CHH	-0.1283
Gm12	40851029	40852029 Gmdrm	hypo	CHH	-0.0556
Gm12	40858073	40859061 Gmdrm	hypo	CHH	-0.0795
Gm12	40871554	40872541 Gmdrm	hypo	CHH	-0.0201
Gm12	40872559	40873069 Gmdrm	hypo	CHH	-0.1489
Gm12	40887866	40888860 Gmdrm	hypo	CHH	-0.0428
Gm12	40888881	40889280 Gmdrm	hypo	CHH	-0.0258
Gm12	40912951	40913927 Gmdrm	hypo	CHH	-0.0648
Gm12	40921277	40922274 Gmdrm	hypo	CHH	-0.0133
Gm12	40922284	40922972 Gmdrm	hypo	CHH	-0.0697
Gm12	40923094	40924066 Gmdrm	hypo	CHH	-0.0173
Gm12	40935960	40936948 Gmdrm	hypo	CHH	-0.0212
Gm12	40940497	40941469 Gmdrm	hypo	CHH	-0.0524
Gm12	40941500	40942500 Gmdrm	hypo	CHH	-0.064
Gm12	40942504	40943503 Gmdrm	hypo	CHH	-0.0346
Gm12	40944516	40945512 Gmdrm	hypo	CHH	-0.0364
Gm12	40945519	40946514 Gmdrm	hypo	CHH	-0.0132
Gm12	40967693	40968656 Gmdrm	hypo	CHH	-0.182
Gm12	40971894	40972862 Gmdrm	hypo	CHH	-0.0102
Gm12	40989158	40990122 Gmdrm	hypo	CHH	-0.0181
Gm12	40995241	40996227 Gmdrm	hypo	CHH	-0.0252
Gm12	41003504	41004499 Gmdrm	hypo	CHH	-0.0125
Gm12	41004526	41005524 Gmdrm	hypo	CHH	-0.0189
Gm12	41013382	41014372 Gmdrm	hypo	CHH	-0.0605
Gm12	41024816	41025812 Gmdrm	hypo	CHH	-0.0136
Gm12	41034609	41035599 Gmdrm	hypo	CHH	-0.012
Gm12	41035641	41036638 Gmdrm	hypo	CHH	-0.0197
Gm12	41041129	41041970 Gmdrm	hypo	CHH	-0.0192
Gm12	41071298	41071899 Gmdrm	hypo	CHH	-0.0274
Gm12	41072170	41073170 Gmdrm	hypo	CHH	-0.217
Gm12	41073173	41074145 Gmdrm	hypo	CHH	-0.0322

Gm12	41110619	41111619 Gmdrm	hypo	CHH	-0.0443
Gm12	41111623	41112615 Gmdrm	hypo	CHH	-0.0354
Gm12	41113654	41114651 Gmdrm	hypo	CHH	-0.0415
Gm12	41114667	41115661 Gmdrm	hypo	CHH	-0.1166
Gm12	41115668	41116640 Gmdrm	hypo	CHH	-0.0907
Gm12	41116672	41117612 Gmdrm	hypo	CHH	-0.0455
Gm12	41120192	41121094 Gmdrm	hypo	CHH	-0.0768
Gm12	41121256	41122181 Gmdrm	hypo	CHH	-0.0502
Gm12	41122297	41123294 Gmdrm	hypo	CHH	-0.0263
Gm12	41130220	41131218 Gmdrm	hypo	CHH	-0.0107
Gm12	41132225	41133208 Gmdrm	hypo	CHH	-0.013
Gm12	41138878	41139858 Gmdrm	hypo	CHH	-0.013
Gm12	41139882	41140877 Gmdrm	hypo	CHH	-0.0431
Gm12	41166345	41167341 Gmdrm	hypo	CHH	-0.3433
Gm12	41168664	41169656 Gmdrm	hypo	CHH	-0.1171
Gm12	41171240	41172238 Gmdrm	hypo	CHH	-0.0567
Gm12	41174260	41175079 Gmdrm	hypo	CHH	-0.0305
Gm12	41180514	41181495 Gmdrm	hypo	CHH	-0.0681
Gm12	41187023	41188022 Gmdrm	hypo	CHH	-0.0757
Gm12	41193109	41193478 Gmdrm	hypo	CHH	-0.042
Gm12	41198390	41198638 Gmdrm	hypo	CHH	-0.1747
Gm12	41200241	41201239 Gmdrm	hypo	CHH	-0.0486
Gm12	41202303	41203294 Gmdrm	hypo	CHH	-0.0118
Gm12	41204310	41205292 Gmdrm	hypo	CHH	-0.014
Gm12	41207337	41208322 Gmdrm	hypo	CHH	-0.0157
Gm12	41208351	41209351 Gmdrm	hypo	CHH	-0.0505
Gm12	41209353	41210348 Gmdrm	hypo	CHH	-0.2093
Gm12	41213604	41214601 Gmdrm	hypo	CHH	-0.0712
Gm12	41216688	41217674 Gmdrm	hypo	CHH	-0.0157
Gm12	41230282	41231279 Gmdrm	hypo	CHH	-0.0206
Gm12	41235890	41236890 Gmdrm	hypo	CHH	-0.0121
Gm12	41243422	41244421 Gmdrm	hypo	CHH	-0.027
Gm12	41244479	41245327 Gmdrm	hypo	CHH	-0.0289
Gm12	41296869	41297860 Gmdrm	hypo	CHH	-0.0122
Gm12	41297876	41298861 Gmdrm	hypo	CHH	-0.0173
Gm12	41305702	41306690 Gmdrm	hypo	CHH	-0.1812
Gm12	41306726	41307714 Gmdrm	hypo	CHH	-0.11
Gm12	41340134	41340933 Gmdrm	hypo	CHH	-0.0621
Gm12	41342078	41343073 Gmdrm	hypo	CHH	-0.0368
Gm12	41352145	41352397 Gmdrm	hypo	CHH	-0.0381
Gm12	41354619	41355612 Gmdrm	hypo	CHH	-0.0197
Gm12	41359788	41360368 Gmdrm	hypo	CHH	-0.1172
Gm12	41360473	41361471 Gmdrm	hypo	CHH	-0.0763
Gm12	41361480	41362438 Gmdrm	hypo	CHH	-0.0983
Gm12	41366880	41367839 Gmdrm	hypo	CHH	-0.0145
Gm12	41374487	41375487 Gmdrm	hypo	CHH	-0.0114

Gm12	41375499	41376495	Gmdrm	hypo	CHH	-0.0148
Gm12	41376512	41377492	Gmdrm	hypo	CHH	-0.0375
Gm12	41378520	41379054	Gmdrm	hypo	CHH	-0.0698
Gm12	41388079	41388887	Gmdrm	hypo	CHH	-0.0906
Gm12	41412771	41413765	Gmdrm	hypo	CHH	-0.0273
Gm12	41416461	41417453	Gmdrm	hypo	CHH	-0.0256
Gm12	41425615	41426596	Gmdrm	hypo	CHH	-0.0122
Gm12	41438559	41439557	Gmdrm	hypo	CHH	-0.0159
Gm12	41446113	41447111	Gmdrm	hypo	CHH	-0.0385
Gm12	41447117	41448097	Gmdrm	hypo	CHH	-0.0643
Gm12	41448120	41449077	Gmdrm	hypo	CHH	-0.0724
Gm12	41449125	41450125	Gmdrm	hypo	CHH	-0.1461
Gm12	41450126	41451117	Gmdrm	hypo	CHH	-0.1803
Gm12	41464226	41464634	Gmdrm	hypo	CHH	-0.0465
Gm12	41466168	41467164	Gmdrm	hypo	CHH	-0.0568
Gm12	41487632	41488631	Gmdrm	hypo	CHH	-0.0995
Gm12	41488663	41489663	Gmdrm	hypo	CHH	-0.0796
Gm12	41489666	41490662	Gmdrm	hypo	CHH	-0.0515
Gm12	41490676	41491079	Gmdrm	hypo	CHH	-0.0428
Gm12	41493140	41494108	Gmdrm	hypo	CHH	-0.0195
Gm12	41494149	41494593	Gmdrm	hypo	CHH	-0.0322
Gm12	41501893	41502629	Gmdrm	hypo	CHH	-0.0155
Gm12	41503149	41504141	Gmdrm	hypo	CHH	-0.0156
Gm12	41505312	41505673	Gmdrm	hypo	CHH	-0.0353
Gm12	41513612	41514611	Gmdrm	hypo	CHH	-0.2536
Gm12	41529493	41530281	Gmdrm	hypo	CHH	-0.027
Gm12_scaffol	1136	1906	Gmdrm	hypo	CHH	-0.0391
Gm13	173504	174479	Gmdrm	hypo	CHH	-0.1125
Gm13	197779	198174	Gmdrm	hypo	CHH	-0.04
Gm13	241025	241824	Gmdrm	hypo	CHH	-0.0517
Gm13	251761	252757	Gmdrm	hypo	CHH	-0.0693
Gm13	254838	255836	Gmdrm	hypo	CHH	-0.1066
Gm13	255841	256831	Gmdrm	hypo	CHH	-0.0619
Gm13	313630	314630	Gmdrm	hypo	CHH	-0.0656
Gm13	337704	338676	Gmdrm	hypo	CHH	-0.0515
Gm13	343658	344647	Gmdrm	hypo	CHH	-0.0651
Gm13	391275	392270	Gmdrm	hypo	CHH	-0.0445
Gm13	412148	413106	Gmdrm	hypo	CHH	-0.0673
Gm13	417427	418422	Gmdrm	hypo	CHH	-0.0791
Gm13	475776	476279	Gmdrm	hypo	CHH	-0.0843
Gm13	480420	481415	Gmdrm	hypo	CHH	-0.0494
Gm13	512670	513628	Gmdrm	hypo	CHH	-0.0392
Gm13	516054	517054	Gmdrm	hypo	CHH	-0.0388
Gm13	535779	536773	Gmdrm	hypo	CHH	-0.0474
Gm13	536799	537789	Gmdrm	hypo	CHH	-0.0207
Gm13	598784	599783	Gmdrm	hypo	CHH	-0.0175

Gm13	632652	633650 Gmdrm	hypo	CHH	-0.0931
Gm13	635195	636183 Gmdrm	hypo	CHH	-0.0249
Gm13	654234	655175 Gmdrm	hypo	CHH	-0.0797
Gm13	659131	659529 Gmdrm	hypo	CHH	-0.0183
Gm13	671137	672113 Gmdrm	hypo	CHH	-0.2002
Gm13	672147	673112 Gmdrm	hypo	CHH	-0.3567
Gm13	675624	676621 Gmdrm	hypo	CHH	-0.0543
Gm13	676630	677595 Gmdrm	hypo	CHH	-0.0352
Gm13	679471	679741 Gmdrm	hypo	CHH	-0.1775
Gm13	694426	695425 Gmdrm	hypo	CHH	-0.0334
Gm13	700101	701074 Gmdrm	hypo	CHH	-0.0306
Gm13	702234	703233 Gmdrm	hypo	CHH	-0.0543
Gm13	707110	708081 Gmdrm	hypo	CHH	-0.223
Gm13	720964	721918 Gmdrm	hypo	CHH	-0.0396
Gm13	729773	730766 Gmdrm	hypo	CHH	-0.0358
Gm13	758377	759357 Gmdrm	hypo	CHH	-0.0349
Gm13	759412	760391 Gmdrm	hypo	CHH	-0.0223
Gm13	760416	761412 Gmdrm	hypo	CHH	-0.0526
Gm13	761422	762414 Gmdrm	hypo	CHH	-0.0143
Gm13	778209	779201 Gmdrm	hypo	CHH	-0.0146
Gm13	786284	787277 Gmdrm	hypo	CHH	-0.1764
Gm13	787288	788267 Gmdrm	hypo	CHH	-0.0767
Gm13	798886	799865 Gmdrm	hypo	CHH	-0.0679
Gm13	814415	815409 Gmdrm	hypo	CHH	-0.0638
Gm13	823509	824499 Gmdrm	hypo	CHH	-0.0714
Gm13	829680	830670 Gmdrm	hypo	CHH	-0.0562
Gm13	842628	843621 Gmdrm	hypo	CHH	-0.0274
Gm13	844635	845616 Gmdrm	hypo	CHH	-0.0706
Gm13	845650	846650 Gmdrm	hypo	CHH	-0.0298
Gm13	846654	847653 Gmdrm	hypo	CHH	-0.0506
Gm13	847659	848653 Gmdrm	hypo	CHH	-0.0415
Gm13	848676	849667 Gmdrm	hypo	CHH	-0.0163
Gm13	849682	850670 Gmdrm	hypo	CHH	-0.0191
Gm13	850705	851702 Gmdrm	hypo	CHH	-0.0313
Gm13	851706	852705 Gmdrm	hypo	CHH	-0.0241
Gm13	853713	854713 Gmdrm	hypo	CHH	-0.0665
Gm13	861821	862821 Gmdrm	hypo	CHH	-0.0344
Gm13	881958	882950 Gmdrm	hypo	CHH	-0.0428
Gm13	883974	884955 Gmdrm	hypo	CHH	-0.023
Gm13	900306	901305 Gmdrm	hypo	CHH	-0.0704
Gm13	930054	931042 Gmdrm	hypo	CHH	-0.0262
Gm13	936343	937343 Gmdrm	hypo	CHH	-0.1015
Gm13	988381	989380 Gmdrm	hypo	CHH	-0.0475
Gm13	995467	996464 Gmdrm	hypo	CHH	-0.1408
Gm13	999693	1000685 Gmdrm	hypo	CHH	-0.0337
Gm13	1004427	1005197 Gmdrm	hypo	CHH	-0.0184

Gm13	1006347	1007347 Gmdrm	hypo	CHH	-0.0476
Gm13	1048177	1049166 Gmdrm	hypo	CHH	-0.0146
Gm13	1149355	1150352 Gmdrm	hypo	CHH	-0.1503
Gm13	1161425	1162420 Gmdrm	hypo	CHH	-0.0771
Gm13	1174128	1175093 Gmdrm	hypo	CHH	-0.0167
Gm13	1175170	1175784 Gmdrm	hypo	CHH	-0.0307
Gm13	1216583	1217237 Gmdrm	hypo	CHH	-0.053
Gm13	1240794	1241755 Gmdrm	hypo	CHH	-0.0542
Gm13	1272332	1272948 Gmdrm	hypo	CHH	-0.0497
Gm13	1273083	1273584 Gmdrm	hypo	CHH	-0.0455
Gm13	1285031	1285966 Gmdrm	hypo	CHH	-0.0608
Gm13	1298611	1299602 Gmdrm	hypo	CHH	-0.0922
Gm13	1299615	1300613 Gmdrm	hypo	CHH	-0.023
Gm13	1314454	1315434 Gmdrm	hypo	CHH	-0.0389
Gm13	1318949	1319941 Gmdrm	hypo	CHH	-0.0401
Gm13	1319955	1320947 Gmdrm	hypo	CHH	-0.0439
Gm13	1322010	1322145 Gmdrm	hypo	CHH	-0.0492
Gm13	1431614	1432349 Gmdrm	hypo	CHH	-0.0255
Gm13	1496407	1497151 Gmdrm	hypo	CHH	-0.0415
Gm13	1516885	1517876 Gmdrm	hypo	CHH	-0.1324
Gm13	1519138	1520015 Gmdrm	hypo	CHH	-0.0293
Gm13	1524467	1525430 Gmdrm	hypo	CHH	-0.0716
Gm13	1595922	1596922 Gmdrm	hypo	CHH	-0.0759
Gm13	1596927	1597926 Gmdrm	hypo	CHH	-0.0618
Gm13	1597935	1598931 Gmdrm	hypo	CHH	-0.0371
Gm13	1699905	1700900 Gmdrm	hypo	CHH	-0.0377
Gm13	1706973	1707967 Gmdrm	hypo	CHH	-0.0236
Gm13	1710415	1711415 Gmdrm	hypo	CHH	-0.016
Gm13	1711424	1712201 Gmdrm	hypo	CHH	-0.0401
Gm13	1713441	1714439 Gmdrm	hypo	CHH	-0.0406
Gm13	1726864	1727843 Gmdrm	hypo	CHH	-0.0202
Gm13	1800189	1801154 Gmdrm	hypo	CHH	-0.1488
Gm13	1801211	1802061 Gmdrm	hypo	CHH	-0.0915
Gm13	1803283	1803602 Gmdrm	hypo	CHH	-0.0359
Gm13	1805174	1806165 Gmdrm	hypo	CHH	-0.0262
Gm13	1821923	1822601 Gmdrm	hypo	CHH	-0.0427
Gm13	1823718	1824713 Gmdrm	hypo	CHH	-0.0301
Gm13	1851428	1852423 Gmdrm	hypo	CHH	-0.078
Gm13	1899611	1900602 Gmdrm	hypo	CHH	-0.016
Gm13	1902650	1903631 Gmdrm	hypo	CHH	-0.0175
Gm13	1936789	1937361 Gmdrm	hypo	CHH	-0.0217
Gm13	1944298	1945282 Gmdrm	hypo	CHH	-0.0156
Gm13	1949448	1950436 Gmdrm	hypo	CHH	-0.0528
Gm13	1957855	1958852 Gmdrm	hypo	CHH	-0.0197
Gm13	1958897	1959880 Gmdrm	hypo	CHH	-0.0287
Gm13	1981603	1982603 Gmdrm	hypo	CHH	-0.0386

Gm13	1987357	1988355 Gmdrm	hypo	CHH	-0.0526
Gm13	1992042	1993035 Gmdrm	hypo	CHH	-0.052
Gm13	2024521	2025514 Gmdrm	hypo	CHH	-0.0726
Gm13	2026529	2027526 Gmdrm	hypo	CHH	-0.0526
Gm13	2042156	2043154 Gmdrm	hypo	CHH	-0.0545
Gm13	2043159	2044149 Gmdrm	hypo	CHH	-0.077
Gm13	2044163	2045161 Gmdrm	hypo	CHH	-0.0608
Gm13	2045170	2046164 Gmdrm	hypo	CHH	-0.0319
Gm13	2068147	2069134 Gmdrm	hypo	CHH	-0.0204
Gm13	2109753	2110747 Gmdrm	hypo	CHH	-0.043
Gm13	2112917	2113910 Gmdrm	hypo	CHH	-0.0519
Gm13	2119222	2119652 Gmdrm	hypo	CHH	-0.1354
Gm13	2157547	2158544 Gmdrm	hypo	CHH	-0.0305
Gm13	2158566	2159545 Gmdrm	hypo	CHH	-0.0497
Gm13	2217358	2218313 Gmdrm	hypo	CHH	-0.1432
Gm13	2236740	2237739 Gmdrm	hypo	CHH	-0.0277
Gm13	2246826	2247789 Gmdrm	hypo	CHH	-0.0558
Gm13	2248077	2249075 Gmdrm	hypo	CHH	-0.0197
Gm13	2251065	2251627 Gmdrm	hypo	CHH	-0.0828
Gm13	2252373	2252393 Gmdrm	hypo	CHH	-0.286
Gm13	2277413	2277975 Gmdrm	hypo	CHH	-0.0486
Gm13	2335831	2336830 Gmdrm	hypo	CHH	-0.129
Gm13	2336843	2337271 Gmdrm	hypo	CHH	-0.1959
Gm13	2337373	2338370 Gmdrm	hypo	CHH	-0.0621
Gm13	2338375	2339371 Gmdrm	hypo	CHH	-0.0408
Gm13	2445748	2446748 Gmdrm	hypo	CHH	-0.0518
Gm13	2446749	2447126 Gmdrm	hypo	CHH	-0.1375
Gm13	2460447	2461432 Gmdrm	hypo	CHH	-0.1092
Gm13	2497254	2498216 Gmdrm	hypo	CHH	-0.0172
Gm13	2500727	2501726 Gmdrm	hypo	CHH	-0.0269
Gm13	2515565	2516551 Gmdrm	hypo	CHH	-0.0467
Gm13	2536744	2537735 Gmdrm	hypo	CHH	-0.0703
Gm13	2540326	2541323 Gmdrm	hypo	CHH	-0.0235
Gm13	2544410	2545409 Gmdrm	hypo	CHH	-0.1316
Gm13	2545416	2545969 Gmdrm	hypo	CHH	-0.15
Gm13	2569867	2570865 Gmdrm	hypo	CHH	-0.0486
Gm13	2570868	2571014 Gmdrm	hypo	CHH	-0.0344
Gm13	2573174	2574163 Gmdrm	hypo	CHH	-0.0323
Gm13	2574184	2575181 Gmdrm	hypo	CHH	-0.0676
Gm13	2576009	2576418 Gmdrm	hypo	CHH	-0.1351
Gm13	2576602	2577602 Gmdrm	hypo	CHH	-0.0566
Gm13	2581916	2582902 Gmdrm	hypo	CHH	-0.0521
Gm13	2610312	2611304 Gmdrm	hypo	CHH	-0.0451
Gm13	2612322	2613314 Gmdrm	hypo	CHH	-0.0743
Gm13	2617681	2618681 Gmdrm	hypo	CHH	-0.0509
Gm13	2627747	2628746 Gmdrm	hypo	CHH	-0.0764

Gm13	2628753	2629156	Gmdrm	hypo	CHH	-0.0287
Gm13	2629408	2630400	Gmdrm	hypo	CHH	-0.0605
Gm13	2632691	2633516	Gmdrm	hypo	CHH	-0.014
Gm13	2633869	2634869	Gmdrm	hypo	CHH	-0.0867
Gm13	2639376	2640373	Gmdrm	hypo	CHH	-0.3184
Gm13	2640377	2641371	Gmdrm	hypo	CHH	-0.027
Gm13	2641387	2642382	Gmdrm	hypo	CHH	-0.0589
Gm13	2654081	2655079	Gmdrm	hypo	CHH	-0.1145
Gm13	2655094	2656090	Gmdrm	hypo	CHH	-0.0598
Gm13	2660244	2661239	Gmdrm	hypo	CHH	-0.0905
Gm13	2661245	2661817	Gmdrm	hypo	CHH	-0.1835
Gm13	2662695	2663691	Gmdrm	hypo	CHH	-0.2494
Gm13	2663701	2663976	Gmdrm	hypo	CHH	-0.6272
Gm13	2685323	2686314	Gmdrm	hypo	CHH	-0.0587
Gm13	2708447	2709441	Gmdrm	hypo	CHH	-0.024
Gm13	2713959	2714749	Gmdrm	hypo	CHH	-0.0176
Gm13	2714883	2715881	Gmdrm	hypo	CHH	-0.0641
Gm13	2738222	2739221	Gmdrm	hypo	CHH	-0.0197
Gm13	2741033	2742015	Gmdrm	hypo	CHH	-0.0136
Gm13	2744128	2745126	Gmdrm	hypo	CHH	-0.22
Gm13	2745130	2746100	Gmdrm	hypo	CHH	-0.0668
Gm13	2746688	2746786	Gmdrm	hypo	CHH	-0.076
Gm13	2770209	2771190	Gmdrm	hypo	CHH	-0.0724
Gm13	2772311	2773167	Gmdrm	hypo	CHH	-0.025
Gm13	2774219	2774587	Gmdrm	hypo	CHH	-0.1454
Gm13	2784919	2785910	Gmdrm	hypo	CHH	-0.1007
Gm13	2799732	2800730	Gmdrm	hypo	CHH	-0.0184
Gm13	2814513	2815240	Gmdrm	hypo	CHH	-0.0156
Gm13	2815990	2816967	Gmdrm	hypo	CHH	-0.1383
Gm13	2818023	2819022	Gmdrm	hypo	CHH	-0.0305
Gm13	2819035	2820019	Gmdrm	hypo	CHH	-0.0628
Gm13	2820058	2820160	Gmdrm	hypo	CHH	-0.09
Gm13	2820287	2820889	Gmdrm	hypo	CHH	-0.0523
Gm13	2822095	2823092	Gmdrm	hypo	CHH	-0.034
Gm13	2823101	2824081	Gmdrm	hypo	CHH	-0.1073
Gm13	2833600	2834587	Gmdrm	hypo	CHH	-0.1755
Gm13	2834605	2835170	Gmdrm	hypo	CHH	-0.0718
Gm13	2865985	2866968	Gmdrm	hypo	CHH	-0.0621
Gm13	2867854	2868841	Gmdrm	hypo	CHH	-0.1906
Gm13	2875778	2876777	Gmdrm	hypo	CHH	-0.0671
Gm13	2881872	2882831	Gmdrm	hypo	CHH	-0.0198
Gm13	2883640	2884626	Gmdrm	hypo	CHH	-0.0426
Gm13	2891121	2892104	Gmdrm	hypo	CHH	-0.0513
Gm13	2892129	2893129	Gmdrm	hypo	CHH	-0.0295
Gm13	2893136	2894135	Gmdrm	hypo	CHH	-0.0421
Gm13	2902375	2902555	Gmdrm	hypo	CHH	-0.0535

Gm13	2911269	2912259 Gmdrm	hypo	CHH	-0.0284
Gm13	2927373	2928356 Gmdrm	hypo	CHH	-0.0502
Gm13	2937112	2938110 Gmdrm	hypo	CHH	-0.0388
Gm13	2938118	2939100 Gmdrm	hypo	CHH	-0.0493
Gm13	2946455	2947453 Gmdrm	hypo	CHH	-0.1005
Gm13	2947461	2948458 Gmdrm	hypo	CHH	-0.0556
Gm13	2950548	2951547 Gmdrm	hypo	CHH	-0.0762
Gm13	2985942	2986933 Gmdrm	hypo	CHH	-0.0235
Gm13	3071153	3072046 Gmdrm	hypo	CHH	-0.0553
Gm13	3167094	3168085 Gmdrm	hypo	CHH	-0.2931
Gm13	3172489	3173486 Gmdrm	hypo	CHH	-0.2029
Gm13	3173490	3174429 Gmdrm	hypo	CHH	-0.1686
Gm13	3219408	3219645 Gmdrm	hypo	CHH	-0.0848
Gm13	3238837	3239141 Gmdrm	hypo	CHH	-0.0965
Gm13	3241933	3242932 Gmdrm	hypo	CHH	-0.0539
Gm13	3242951	3243936 Gmdrm	hypo	CHH	-0.0515
Gm13	3251590	3251782 Gmdrm	hypo	CHH	-0.1336
Gm13	3259967	3260215 Gmdrm	hypo	CHH	-0.0994
Gm13	3266002	3266978 Gmdrm	hypo	CHH	-0.047
Gm13	3296780	3297621 Gmdrm	hypo	CHH	-0.0385
Gm13	3307428	3307856 Gmdrm	hypo	CHH	-0.0347
Gm13	3309728	3310443 Gmdrm	hypo	CHH	-0.0467
Gm13	3348308	3348356 Gmdrm	hypo	CHH	-0.1287
Gm13	3372813	3373640 Gmdrm	hypo	CHH	-0.0367
Gm13	3373747	3374004 Gmdrm	hypo	CHH	-0.0736
Gm13	3382996	3383276 Gmdrm	hypo	CHH	-0.0791
Gm13	3402771	3403052 Gmdrm	hypo	CHH	-0.0914
Gm13	3418914	3419497 Gmdrm	hypo	CHH	-0.0832
Gm13	3487395	3487431 Gmdrm	hypo	CHH	-0.14
Gm13	3535099	3535211 Gmdrm	hypo	CHH	-0.1528
Gm13	3557056	3557481 Gmdrm	hypo	CHH	-0.0777
Gm13	3561113	3561876 Gmdrm	hypo	CHH	-0.0471
Gm13	3566470	3566673 Gmdrm	hypo	CHH	-0.089
Gm13	3578122	3579118 Gmdrm	hypo	CHH	-0.0263
Gm13	3579129	3580127 Gmdrm	hypo	CHH	-0.0256
Gm13	3587161	3587540 Gmdrm	hypo	CHH	-0.093
Gm13	3624225	3625213 Gmdrm	hypo	CHH	-0.0282
Gm13	3625233	3626230 Gmdrm	hypo	CHH	-0.0487
Gm13	3630277	3631276 Gmdrm	hypo	CHH	-0.0245
Gm13	3631283	3632278 Gmdrm	hypo	CHH	-0.0567
Gm13	3635303	3636299 Gmdrm	hypo	CHH	-0.0746
Gm13	3639575	3640438 Gmdrm	hypo	CHH	-0.0647
Gm13	3640546	3641513 Gmdrm	hypo	CHH	-0.034
Gm13	3642548	3643548 Gmdrm	hypo	CHH	-0.0293
Gm13	3645110	3646087 Gmdrm	hypo	CHH	-0.0783
Gm13	3664853	3665840 Gmdrm	hypo	CHH	-0.0667

Gm13	3679576	3680167	Gmdrm	hypo	CHH	-0.0258
Gm13	3681935	3682935	Gmdrm	hypo	CHH	-0.1669
Gm13	3682946	3683940	Gmdrm	hypo	CHH	-0.0611
Gm13	3686114	3686456	Gmdrm	hypo	CHH	-0.0374
Gm13	3740375	3740560	Gmdrm	hypo	CHH	-0.1822
Gm13	3745231	3746231	Gmdrm	hypo	CHH	-0.0275
Gm13	3746260	3747251	Gmdrm	hypo	CHH	-0.047
Gm13	3747261	3748256	Gmdrm	hypo	CHH	-0.0466
Gm13	3748270	3749229	Gmdrm	hypo	CHH	-0.0344
Gm13	3752405	3752530	Gmdrm	hypo	CHH	-0.138
Gm13	3753999	3754978	Gmdrm	hypo	CHH	-0.0223
Gm13	3761298	3762272	Gmdrm	hypo	CHH	-0.0466
Gm13	3765078	3766060	Gmdrm	hypo	CHH	-0.0413
Gm13	3773934	3774583	Gmdrm	hypo	CHH	-0.07
Gm13	3821474	3822471	Gmdrm	hypo	CHH	-0.0329
Gm13	3823485	3824461	Gmdrm	hypo	CHH	-0.0375
Gm13	3824497	3825091	Gmdrm	hypo	CHH	-0.0582
Gm13	3862544	3862769	Gmdrm	hypo	CHH	-0.0687
Gm13	3863618	3863922	Gmdrm	hypo	CHH	-0.0689
Gm13	3869734	3870729	Gmdrm	hypo	CHH	-0.0329
Gm13	3875417	3876414	Gmdrm	hypo	CHH	-0.0215
Gm13	3876418	3877416	Gmdrm	hypo	CHH	-0.0243
Gm13	3896735	3897481	Gmdrm	hypo	CHH	-0.1336
Gm13	3898355	3898735	Gmdrm	hypo	CHH	-0.0326
Gm13	3907775	3908026	Gmdrm	hypo	CHH	-0.0793
Gm13	3920999	3921988	Gmdrm	hypo	CHH	-0.053
Gm13	3927430	3927635	Gmdrm	hypo	CHH	-0.0985
Gm13	3935594	3936585	Gmdrm	hypo	CHH	-0.0239
Gm13	3937474	3938470	Gmdrm	hypo	CHH	-0.0667
Gm13	3946211	3947208	Gmdrm	hypo	CHH	-0.0517
Gm13	3948538	3949528	Gmdrm	hypo	CHH	-0.0387
Gm13	3977716	3977832	Gmdrm	hypo	CHH	-0.108
Gm13	3986127	3987070	Gmdrm	hypo	CHH	-0.029
Gm13	4380803	4381780	Gmdrm	hypo	CHH	-0.0498
Gm13	4442515	4443480	Gmdrm	hypo	CHH	-0.0187
Gm13	4443519	4444502	Gmdrm	hypo	CHH	-0.0303
Gm13	4717800	4718798	Gmdrm	hypo	CHH	-0.017
Gm13	4929832	4930393	Gmdrm	hypo	CHH	-0.0355
Gm13	4931522	4932495	Gmdrm	hypo	CHH	-0.0205
Gm13	4933632	4934126	Gmdrm	hypo	CHH	-0.1937
Gm13	4939354	4940338	Gmdrm	hypo	CHH	-0.071
Gm13	4982913	4983105	Gmdrm	hypo	CHH	-0.1187
Gm13	5059586	5060584	Gmdrm	hypo	CHH	-0.0324
Gm13	5060587	5061570	Gmdrm	hypo	CHH	-0.0272
Gm13	5072914	5073881	Gmdrm	hypo	CHH	-0.0524
Gm13	5103859	5104834	Gmdrm	hypo	CHH	-0.0926

Gm13	5131563	5132551	Gmdrm	hypo	CHH	-0.0947
Gm13	5132565	5133193	Gmdrm	hypo	CHH	-0.085
Gm13	5166177	5167172	Gmdrm	hypo	CHH	-0.0606
Gm13	5204281	5205280	Gmdrm	hypo	CHH	-0.0797
Gm13	5205468	5205595	Gmdrm	hypo	CHH	-0.13
Gm13	5227743	5228165	Gmdrm	hypo	CHH	-0.073
Gm13	5815595	5815969	Gmdrm	hypo	CHH	-0.1061
Gm13	5825299	5826296	Gmdrm	hypo	CHH	-0.0206
Gm13	5853543	5854541	Gmdrm	hypo	CHH	-0.0481
Gm13	5854572	5855566	Gmdrm	hypo	CHH	-0.0859
Gm13	5903239	5904238	Gmdrm	hypo	CHH	-0.019
Gm13	5948255	5949254	Gmdrm	hypo	CHH	-0.0282
Gm13	5949261	5950249	Gmdrm	hypo	CHH	-0.0397
Gm13	6139789	6140773	Gmdrm	hypo	CHH	-0.0129
Gm13	6144234	6145231	Gmdrm	hypo	CHH	-0.2427
Gm13	6390100	6391035	Gmdrm	hypo	CHH	-0.0277
Gm13	6393469	6394469	Gmdrm	hypo	CHH	-0.0576
Gm13	6401390	6402386	Gmdrm	hypo	CHH	-0.1169
Gm13	6847532	6848528	Gmdrm	hypo	CHH	-0.0797
Gm13	6854474	6855469	Gmdrm	hypo	CHH	-0.0672
Gm13	6856503	6857500	Gmdrm	hypo	CHH	-0.0157
Gm13	6858635	6859629	Gmdrm	hypo	CHH	-0.0674
Gm13	6859645	6860617	Gmdrm	hypo	CHH	-0.0517
Gm13	6918856	6918875	Gmdrm	hypo	CHH	-0.276
Gm13	7076270	7077270	Gmdrm	hypo	CHH	-0.0407
Gm13	7077277	7078266	Gmdrm	hypo	CHH	-0.0925
Gm13	7078294	7079288	Gmdrm	hypo	CHH	-0.0194
Gm13	7085349	7086315	Gmdrm	hypo	CHH	-0.0169
Gm13	7654283	7655275	Gmdrm	hypo	CHH	-0.0907
Gm13	7655288	7656281	Gmdrm	hypo	CHH	-0.0136
Gm13	7673527	7674526	Gmdrm	hypo	CHH	-0.0309
Gm13	7674553	7675109	Gmdrm	hypo	CHH	-0.0391
Gm13	7676251	7677232	Gmdrm	hypo	CHH	-0.0384
Gm13	7750744	7750937	Gmdrm	hypo	CHH	-0.1521
Gm13	7922282	7923258	Gmdrm	hypo	CHH	-0.0193
Gm13	7923328	7924268	Gmdrm	hypo	CHH	-0.0124
Gm13	7924989	7925983	Gmdrm	hypo	CHH	-0.1278
Gm13	8096508	8097499	Gmdrm	hypo	CHH	-0.0702
Gm13	8108990	8109989	Gmdrm	hypo	CHH	-0.0215
Gm13	8251652	8251809	Gmdrm	hypo	CHH	-0.1419
Gm13	8496512	8496630	Gmdrm	hypo	CHH	-0.126
Gm13	8589922	8590922	Gmdrm	hypo	CHH	-0.0392
Gm13	8590928	8591922	Gmdrm	hypo	CHH	-0.0438
Gm13	8591936	8592924	Gmdrm	hypo	CHH	-0.0508
Gm13	8594768	8595754	Gmdrm	hypo	CHH	-0.0685
Gm13	8664948	8665946	Gmdrm	hypo	CHH	-0.0466

Gm13	8674865	8675807	Gmdrm	hypo	CHH	-0.0501
Gm13	8676171	8677124	Gmdrm	hypo	CHH	-0.0316
Gm13	8751380	8752361	Gmdrm	hypo	CHH	-0.0273
Gm13	8820296	8821229	Gmdrm	hypo	CHH	-0.0257
Gm13	8821308	8822305	Gmdrm	hypo	CHH	-0.0314
Gm13	8834407	8835392	Gmdrm	hypo	CHH	-0.0383
Gm13	8936536	8936649	Gmdrm	hypo	CHH	-0.0983
Gm13	9005156	9005212	Gmdrm	hypo	CHH	-0.2183
Gm13	9028213	9029206	Gmdrm	hypo	CHH	-0.0514
Gm13	9100192	9101187	Gmdrm	hypo	CHH	-0.0879
Gm13	9115041	9116037	Gmdrm	hypo	CHH	-0.0298
Gm13	9126928	9127902	Gmdrm	hypo	CHH	-0.0558
Gm13	9128941	9129831	Gmdrm	hypo	CHH	-0.0194
Gm13	9131987	9132973	Gmdrm	hypo	CHH	-0.0119
Gm13	9134858	9135821	Gmdrm	hypo	CHH	-0.1007
Gm13	9138236	9138747	Gmdrm	hypo	CHH	-0.0437
Gm13	9138856	9139851	Gmdrm	hypo	CHH	-0.0905
Gm13	9139857	9140856	Gmdrm	hypo	CHH	-0.042
Gm13	9140861	9141851	Gmdrm	hypo	CHH	-0.0311
Gm13	9148955	9149947	Gmdrm	hypo	CHH	-0.0161
Gm13	9153997	9154993	Gmdrm	hypo	CHH	-0.0762
Gm13	9159447	9159708	Gmdrm	hypo	CHH	-0.0687
Gm13	9168206	9169113	Gmdrm	hypo	CHH	-0.1734
Gm13	9172332	9173332	Gmdrm	hypo	CHH	-0.0438
Gm13	9183406	9184403	Gmdrm	hypo	CHH	-0.043
Gm13	9186434	9187434	Gmdrm	hypo	CHH	-0.0473
Gm13	9187441	9188440	Gmdrm	hypo	CHH	-0.0459
Gm13	9192907	9193903	Gmdrm	hypo	CHH	-0.0272
Gm13	9197950	9198609	Gmdrm	hypo	CHH	-0.0557
Gm13	9198811	9199794	Gmdrm	hypo	CHH	-0.1589
Gm13	9204305	9205295	Gmdrm	hypo	CHH	-0.0169
Gm13	9205311	9206131	Gmdrm	hypo	CHH	-0.0345
Gm13	9239514	9240502	Gmdrm	hypo	CHH	-0.081
Gm13	9254992	9255976	Gmdrm	hypo	CHH	-0.1259
Gm13	9266610	9267602	Gmdrm	hypo	CHH	-0.0241
Gm13	9268791	9269785	Gmdrm	hypo	CHH	-0.0265
Gm13	9274820	9275815	Gmdrm	hypo	CHH	-0.0537
Gm13	9297114	9298111	Gmdrm	hypo	CHH	-0.1953
Gm13	9298115	9299108	Gmdrm	hypo	CHH	-0.0858
Gm13	9299503	9300481	Gmdrm	hypo	CHH	-0.0202
Gm13	9323530	9324528	Gmdrm	hypo	CHH	-0.0402
Gm13	9336267	9337263	Gmdrm	hypo	CHH	-0.1682
Gm13	9337342	9338327	Gmdrm	hypo	CHH	-0.0361
Gm13	9338345	9339343	Gmdrm	hypo	CHH	-0.1072
Gm13	9342231	9343226	Gmdrm	hypo	CHH	-0.0852
Gm13	9343236	9344234	Gmdrm	hypo	CHH	-0.2859

Gm13	9345487	9346054	Gmdrm	hypo	CHH	-0.0252
Gm13	9369487	9370185	Gmdrm	hypo	CHH	-0.0441
Gm13	9378364	9379364	Gmdrm	hypo	CHH	-0.1644
Gm13	9379369	9380367	Gmdrm	hypo	CHH	-0.1116
Gm13	9388418	9389415	Gmdrm	hypo	CHH	-0.068
Gm13	9389970	9390916	Gmdrm	hypo	CHH	-0.2183
Gm13	9414073	9415065	Gmdrm	hypo	CHH	-0.0175
Gm13	9416099	9417085	Gmdrm	hypo	CHH	-0.0293
Gm13	9421167	9421288	Gmdrm	hypo	CHH	-0.0567
Gm13	9422952	9423947	Gmdrm	hypo	CHH	-0.17
Gm13	9440441	9441437	Gmdrm	hypo	CHH	-0.0289
Gm13	9441447	9442416	Gmdrm	hypo	CHH	-0.0171
Gm13	9503621	9504618	Gmdrm	hypo	CHH	-0.0357
Gm13	9511412	9512410	Gmdrm	hypo	CHH	-0.0488
Gm13	9512420	9513413	Gmdrm	hypo	CHH	-0.0358
Gm13	9513463	9514461	Gmdrm	hypo	CHH	-0.0346
Gm13	9514479	9515387	Gmdrm	hypo	CHH	-0.0611
Gm13	9515493	9516478	Gmdrm	hypo	CHH	-0.0614
Gm13	9516495	9517488	Gmdrm	hypo	CHH	-0.0371
Gm13	9517513	9518512	Gmdrm	hypo	CHH	-0.077
Gm13	9521403	9522399	Gmdrm	hypo	CHH	-0.0894
Gm13	9522430	9523419	Gmdrm	hypo	CHH	-0.049
Gm13	9534839	9535838	Gmdrm	hypo	CHH	-0.0428
Gm13	9535851	9536850	Gmdrm	hypo	CHH	-0.0844
Gm13	9536855	9537841	Gmdrm	hypo	CHH	-0.0518
Gm13	9539169	9540135	Gmdrm	hypo	CHH	-0.1004
Gm13	9540573	9541571	Gmdrm	hypo	CHH	-0.3095
Gm13	9547189	9548179	Gmdrm	hypo	CHH	-0.0422
Gm13	9548200	9549195	Gmdrm	hypo	CHH	-0.0859
Gm13	9552687	9553687	Gmdrm	hypo	CHH	-0.0352
Gm13	9558546	9559522	Gmdrm	hypo	CHH	-0.0702
Gm13	9559549	9560537	Gmdrm	hypo	CHH	-0.2325
Gm13	9585317	9586301	Gmdrm	hypo	CHH	-0.0416
Gm13	9586324	9587094	Gmdrm	hypo	CHH	-0.0609
Gm13	9587210	9587255	Gmdrm	hypo	CHH	-0.062
Gm13	9589385	9590383	Gmdrm	hypo	CHH	-0.044
Gm13	9590394	9591379	Gmdrm	hypo	CHH	-0.0671
Gm13	9592417	9593414	Gmdrm	hypo	CHH	-0.0621
Gm13	9595968	9596032	Gmdrm	hypo	CHH	-0.0711
Gm13	9596515	9597515	Gmdrm	hypo	CHH	-0.068
Gm13	9597522	9598497	Gmdrm	hypo	CHH	-0.0414
Gm13	9598533	9599154	Gmdrm	hypo	CHH	-0.0211
Gm13	9602479	9603478	Gmdrm	hypo	CHH	-0.0314
Gm13	9603493	9604484	Gmdrm	hypo	CHH	-0.0201
Gm13	9604505	9604881	Gmdrm	hypo	CHH	-0.0227
Gm13	9605406	9606148	Gmdrm	hypo	CHH	-0.0675

Gm13	9606257	9607256 Gmdrm	hypo	CHH	-0.1165
Gm13	9610647	9611642 Gmdrm	hypo	CHH	-0.0349
Gm13	9611650	9612646 Gmdrm	hypo	CHH	-0.0685
Gm13	9612654	9613648 Gmdrm	hypo	CHH	-0.0359
Gm13	9617951	9618946 Gmdrm	hypo	CHH	-0.0357
Gm13	9618953	9619255 Gmdrm	hypo	CHH	-0.0916
Gm13	9619969	9620968 Gmdrm	hypo	CHH	-0.0261
Gm13	9622187	9623165 Gmdrm	hypo	CHH	-0.0662
Gm13	9624191	9624485 Gmdrm	hypo	CHH	-0.0443
Gm13	9625073	9625976 Gmdrm	hypo	CHH	-0.2637
Gm13	9626686	9627685 Gmdrm	hypo	CHH	-0.18
Gm13	9627687	9628687 Gmdrm	hypo	CHH	-0.046
Gm13	9628693	9629676 Gmdrm	hypo	CHH	-0.1265
Gm13	9636309	9637306 Gmdrm	hypo	CHH	-0.0233
Gm13	9653675	9654642 Gmdrm	hypo	CHH	-0.0796
Gm13	9654677	9655672 Gmdrm	hypo	CHH	-0.0994
Gm13	9657068	9657913 Gmdrm	hypo	CHH	-0.0196
Gm13	9658028	9659022 Gmdrm	hypo	CHH	-0.0757
Gm13	9659054	9660053 Gmdrm	hypo	CHH	-0.0456
Gm13	9660064	9661064 Gmdrm	hypo	CHH	-0.03
Gm13	9663227	9664223 Gmdrm	hypo	CHH	-0.0706
Gm13	9664231	9665200 Gmdrm	hypo	CHH	-0.0589
Gm13	9667293	9668256 Gmdrm	hypo	CHH	-0.0709
Gm13	9691859	9692851 Gmdrm	hypo	CHH	-0.0571
Gm13	9729911	9730895 Gmdrm	hypo	CHH	-0.0334
Gm13	9771933	9772932 Gmdrm	hypo	CHH	-0.0581
Gm13	9772934	9773919 Gmdrm	hypo	CHH	-0.0216
Gm13	9786227	9787214 Gmdrm	hypo	CHH	-0.016
Gm13	9791649	9792634 Gmdrm	hypo	CHH	-0.0554
Gm13	9792657	9793656 Gmdrm	hypo	CHH	-0.0347
Gm13	9825210	9826210 Gmdrm	hypo	CHH	-0.1089
Gm13	9828991	9829986 Gmdrm	hypo	CHH	-0.1319
Gm13	9836634	9837620 Gmdrm	hypo	CHH	-0.0228
Gm13	9838915	9839912 Gmdrm	hypo	CHH	-0.0203
Gm13	9847946	9848646 Gmdrm	hypo	CHH	-0.0244
Gm13	9858293	9859291 Gmdrm	hypo	CHH	-0.0659
Gm13	9885426	9885635 Gmdrm	hypo	CHH	-0.0278
Gm13	9886757	9887220 Gmdrm	hypo	CHH	-0.0344
Gm13	9891076	9891408 Gmdrm	hypo	CHH	-0.032
Gm13	9893558	9894219 Gmdrm	hypo	CHH	-0.0142
Gm13	9909783	9910759 Gmdrm	hypo	CHH	-0.025
Gm13	9912511	9913509 Gmdrm	hypo	CHH	-0.1247
Gm13	9913528	9914524 Gmdrm	hypo	CHH	-0.0615
Gm13	9929912	9930909 Gmdrm	hypo	CHH	-0.0473
Gm13	9931939	9932916 Gmdrm	hypo	CHH	-0.2411
Gm13	9936043	9937033 Gmdrm	hypo	CHH	-0.0246

Gm13	9939072	9940070 Gmdrm	hypo	CHH	-0.0496
Gm13	9940073	9941040 Gmdrm	hypo	CHH	-0.0404
Gm13	9942117	9943117 Gmdrm	hypo	CHH	-0.0318
Gm13	9943125	9943873 Gmdrm	hypo	CHH	-0.0853
Gm13	9956700	9957676 Gmdrm	hypo	CHH	-0.0366
Gm13	9957703	9958116 Gmdrm	hypo	CHH	-0.0244
Gm13	9962797	9963784 Gmdrm	hypo	CHH	-0.0462
Gm13	9963800	9964761 Gmdrm	hypo	CHH	-0.0164
Gm13	9964821	9965798 Gmdrm	hypo	CHH	-0.0314
Gm13	9979592	9980342 Gmdrm	hypo	CHH	-0.0161
Gm13	9981452	9982443 Gmdrm	hypo	CHH	-0.0424
Gm13	9983674	9984668 Gmdrm	hypo	CHH	-0.0656
Gm13	9988704	9989673 Gmdrm	hypo	CHH	-0.2391
Gm13	9994758	9995740 Gmdrm	hypo	CHH	-0.0487
Gm13	9995776	9996111 Gmdrm	hypo	CHH	-0.0236
Gm13	10024376	10025376 Gmdrm	hypo	CHH	-0.1283
Gm13	10025382	10026382 Gmdrm	hypo	CHH	-0.041
Gm13	10029419	10030153 Gmdrm	hypo	CHH	-0.0952
Gm13	10031334	10032313 Gmdrm	hypo	CHH	-0.0676
Gm13	10032338	10033167 Gmdrm	hypo	CHH	-0.0924
Gm13	10036721	10037704 Gmdrm	hypo	CHH	-0.0183
Gm13	10039745	10040734 Gmdrm	hypo	CHH	-0.0323
Gm13	10059719	10060717 Gmdrm	hypo	CHH	-0.0736
Gm13	10060720	10061718 Gmdrm	hypo	CHH	-0.0922
Gm13	10063024	10063789 Gmdrm	hypo	CHH	-0.0385
Gm13	10110211	10111084 Gmdrm	hypo	CHH	-0.0202
Gm13	10111254	10112007 Gmdrm	hypo	CHH	-0.0233
Gm13	10113224	10114218 Gmdrm	hypo	CHH	-0.0456
Gm13	10165191	10166172 Gmdrm	hypo	CHH	-0.0173
Gm13	10169264	10170261 Gmdrm	hypo	CHH	-0.0546
Gm13	10172400	10173391 Gmdrm	hypo	CHH	-0.0651
Gm13	10231819	10232806 Gmdrm	hypo	CHH	-0.087
Gm13	10233264	10234261 Gmdrm	hypo	CHH	-0.1156
Gm13	10238558	10239549 Gmdrm	hypo	CHH	-0.2652
Gm13	10255961	10256934 Gmdrm	hypo	CHH	-0.016
Gm13	10256962	10257925 Gmdrm	hypo	CHH	-0.0332
Gm13	10267618	10268605 Gmdrm	hypo	CHH	-0.0274
Gm13	10273635	10273926 Gmdrm	hypo	CHH	-0.0318
Gm13	10276543	10277535 Gmdrm	hypo	CHH	-0.1397
Gm13	10277546	10278288 Gmdrm	hypo	CHH	-0.0437
Gm13	10318142	10319132 Gmdrm	hypo	CHH	-0.0474
Gm13	10337264	10338128 Gmdrm	hypo	CHH	-0.039
Gm13	10340489	10341295 Gmdrm	hypo	CHH	-0.0132
Gm13	10346240	10347239 Gmdrm	hypo	CHH	-0.1121
Gm13	10396096	10397082 Gmdrm	hypo	CHH	-0.0377
Gm13	10475899	10476898 Gmdrm	hypo	CHH	-0.0161

Gm13	10481945	10482940	Gmdrm	hypo	CHH	-0.1655
Gm13	10486302	10487275	Gmdrm	hypo	CHH	-0.0173
Gm13	10695173	10696088	Gmdrm	hypo	CHH	-0.0187
Gm13	10728181	10729161	Gmdrm	hypo	CHH	-0.0312
Gm13	10730189	10730833	Gmdrm	hypo	CHH	-0.1315
Gm13	10732412	10733412	Gmdrm	hypo	CHH	-0.0439
Gm13	10735427	10736423	Gmdrm	hypo	CHH	-0.0438
Gm13	10740798	10741753	Gmdrm	hypo	CHH	-0.0659
Gm13	10741820	10742795	Gmdrm	hypo	CHH	-0.0204
Gm13	10776572	10776986	Gmdrm	hypo	CHH	-0.1207
Gm13	10777194	10778118	Gmdrm	hypo	CHH	-0.028
Gm13	10811361	10811762	Gmdrm	hypo	CHH	-0.0341
Gm13	10812931	10813406	Gmdrm	hypo	CHH	-0.0316
Gm13	10816853	10817818	Gmdrm	hypo	CHH	-0.0378
Gm13	10821593	10822580	Gmdrm	hypo	CHH	-0.039
Gm13	10822605	10823366	Gmdrm	hypo	CHH	-0.0422
Gm13	10833155	10834146	Gmdrm	hypo	CHH	-0.0258
Gm13	10861725	10862371	Gmdrm	hypo	CHH	-0.0464
Gm13	10863267	10864266	Gmdrm	hypo	CHH	-0.0238
Gm13	10865636	10866632	Gmdrm	hypo	CHH	-0.021
Gm13	10884683	10885676	Gmdrm	hypo	CHH	-0.0368
Gm13	10885688	10886625	Gmdrm	hypo	CHH	-0.0274
Gm13	10915134	10916127	Gmdrm	hypo	CHH	-0.1086
Gm13	10922309	10922440	Gmdrm	hypo	CHH	-0.062
Gm13	10963812	10964464	Gmdrm	hypo	CHH	-0.0177
Gm13	11022889	11023872	Gmdrm	hypo	CHH	-0.0357
Gm13	11023902	11024888	Gmdrm	hypo	CHH	-0.0755
Gm13	11024903	11025903	Gmdrm	hypo	CHH	-0.0173
Gm13	11032719	11033715	Gmdrm	hypo	CHH	-0.0247
Gm13	11038751	11039716	Gmdrm	hypo	CHH	-0.1121
Gm13	11043037	11044012	Gmdrm	hypo	CHH	-0.0164
Gm13	11074777	11075193	Gmdrm	hypo	CHH	-0.0272
Gm13	11081709	11082709	Gmdrm	hypo	CHH	-0.0325
Gm13	11182717	11183714	Gmdrm	hypo	CHH	-0.0151
Gm13	11184383	11185344	Gmdrm	hypo	CHH	-0.0221
Gm13	11195408	11196404	Gmdrm	hypo	CHH	-0.0459
Gm13	11196416	11197411	Gmdrm	hypo	CHH	-0.1261
Gm13	11203452	11204439	Gmdrm	hypo	CHH	-0.0751
Gm13	11204943	11205935	Gmdrm	hypo	CHH	-0.0649
Gm13	11205944	11206944	Gmdrm	hypo	CHH	-0.0269
Gm13	11207503	11208451	Gmdrm	hypo	CHH	-0.0434
Gm13	11212796	11213795	Gmdrm	hypo	CHH	-0.0961
Gm13	11262006	11263002	Gmdrm	hypo	CHH	-0.0367
Gm13	11263074	11264051	Gmdrm	hypo	CHH	-0.0347
Gm13	11266127	11266709	Gmdrm	hypo	CHH	-0.0273
Gm13	11267755	11268738	Gmdrm	hypo	CHH	-0.0122

Gm13	11278095	11279093	Gmdrm	hypo	CHH	-0.0596
Gm13	11284970	11285968	Gmdrm	hypo	CHH	-0.0489
Gm13	11285992	11286987	Gmdrm	hypo	CHH	-0.0804
Gm13	11287007	11287995	Gmdrm	hypo	CHH	-0.0686
Gm13	11288008	11288571	Gmdrm	hypo	CHH	-0.0839
Gm13	11288719	11289129	Gmdrm	hypo	CHH	-0.171
Gm13	11289871	11290852	Gmdrm	hypo	CHH	-0.0944
Gm13	11290893	11291033	Gmdrm	hypo	CHH	-0.035
Gm13	11292346	11293339	Gmdrm	hypo	CHH	-0.0503
Gm13	11293361	11294354	Gmdrm	hypo	CHH	-0.0301
Gm13	11295370	11296361	Gmdrm	hypo	CHH	-0.0376
Gm13	11315593	11316573	Gmdrm	hypo	CHH	-0.0211
Gm13	11374764	11375757	Gmdrm	hypo	CHH	-0.038
Gm13	11375765	11376561	Gmdrm	hypo	CHH	-0.056
Gm13	11385609	11386243	Gmdrm	hypo	CHH	-0.0413
Gm13	11406895	11407892	Gmdrm	hypo	CHH	-0.0628
Gm13	11407903	11408713	Gmdrm	hypo	CHH	-0.0733
Gm13	11414415	11415415	Gmdrm	hypo	CHH	-0.0515
Gm13	11427124	11428123	Gmdrm	hypo	CHH	-0.0541
Gm13	11463341	11464310	Gmdrm	hypo	CHH	-0.0577
Gm13	11466906	11467423	Gmdrm	hypo	CHH	-0.0225
Gm13	11563441	11563662	Gmdrm	hypo	CHH	-0.0792
Gm13	11590107	11590743	Gmdrm	hypo	CHH	-0.0542
Gm13	11591361	11592321	Gmdrm	hypo	CHH	-0.0336
Gm13	11592363	11593128	Gmdrm	hypo	CHH	-0.0151
Gm13	11607964	11608015	Gmdrm	hypo	CHH	-0.12
Gm13	11684704	11685702	Gmdrm	hypo	CHH	-0.0188
Gm13	11685724	11686568	Gmdrm	hypo	CHH	-0.0774
Gm13	11686684	11687684	Gmdrm	hypo	CHH	-0.0681
Gm13	11687694	11688399	Gmdrm	hypo	CHH	-0.1181
Gm13	11689757	11690075	Gmdrm	hypo	CHH	-0.12
Gm13	11698200	11699199	Gmdrm	hypo	CHH	-0.1398
Gm13	11825331	11825422	Gmdrm	hypo	CHH	-0.2622
Gm13	11857107	11858107	Gmdrm	hypo	CHH	-0.0778
Gm13	11858112	11859088	Gmdrm	hypo	CHH	-0.1155
Gm13	11909777	11910774	Gmdrm	hypo	CHH	-0.0461
Gm13	11943380	11944333	Gmdrm	hypo	CHH	-0.067
Gm13	11951071	11952064	Gmdrm	hypo	CHH	-0.0175
Gm13	11963717	11964703	Gmdrm	hypo	CHH	-0.0801
Gm13	11973259	11973451	Gmdrm	hypo	CHH	-0.0538
Gm13	11974969	11975698	Gmdrm	hypo	CHH	-0.0481
Gm13	12009587	12010493	Gmdrm	hypo	CHH	-0.0178
Gm13	12196415	12197400	Gmdrm	hypo	CHH	-0.0388
Gm13	12224835	12225608	Gmdrm	hypo	CHH	-0.0261
Gm13	12231581	12232545	Gmdrm	hypo	CHH	-0.0511
Gm13	12344679	12345679	Gmdrm	hypo	CHH	-0.0297

Gm13	12347796	12348073	Gmdrm	hypo	CHH	-0.0285
Gm13	12353413	12354395	Gmdrm	hypo	CHH	-0.0175
Gm13	12386202	12387187	Gmdrm	hypo	CHH	-0.0269
Gm13	12404312	12404793	Gmdrm	hypo	CHH	-0.0575
Gm13	12435095	12436078	Gmdrm	hypo	CHH	-0.0532
Gm13	12436182	12436686	Gmdrm	hypo	CHH	-0.1251
Gm13	12521525	12522519	Gmdrm	hypo	CHH	-0.0134
Gm13	12522527	12522685	Gmdrm	hypo	CHH	-0.0348
Gm13	12577969	12578350	Gmdrm	hypo	CHH	-0.1116
Gm13	12579478	12580345	Gmdrm	hypo	CHH	-0.0242
Gm13	12612721	12613441	Gmdrm	hypo	CHH	-0.0199
Gm13	12614837	12615836	Gmdrm	hypo	CHH	-0.0731
Gm13	12615842	12616393	Gmdrm	hypo	CHH	-0.0267
Gm13	12622552	12623551	Gmdrm	hypo	CHH	-0.142
Gm13	12623554	12624550	Gmdrm	hypo	CHH	-0.1119
Gm13	12624577	12625574	Gmdrm	hypo	CHH	-0.0453
Gm13	12625588	12626508	Gmdrm	hypo	CHH	-0.1955
Gm13	12630049	12631044	Gmdrm	hypo	CHH	-0.1449
Gm13	12648187	12649165	Gmdrm	hypo	CHH	-0.0366
Gm13	12649188	12649493	Gmdrm	hypo	CHH	-0.1597
Gm13	12653588	12654560	Gmdrm	hypo	CHH	-0.0345
Gm13	12654660	12655653	Gmdrm	hypo	CHH	-0.1233
Gm13	12656926	12657883	Gmdrm	hypo	CHH	-0.0148
Gm13	12661448	12662425	Gmdrm	hypo	CHH	-0.0124
Gm13	12662451	12663444	Gmdrm	hypo	CHH	-0.2509
Gm13	12668707	12669698	Gmdrm	hypo	CHH	-0.0554
Gm13	12669709	12670669	Gmdrm	hypo	CHH	-0.0555
Gm13	12674533	12674809	Gmdrm	hypo	CHH	-0.0231
Gm13	12674920	12675879	Gmdrm	hypo	CHH	-0.0209
Gm13	12682410	12683410	Gmdrm	hypo	CHH	-0.0826
Gm13	12683412	12684227	Gmdrm	hypo	CHH	-0.0416
Gm13	12689006	12689833	Gmdrm	hypo	CHH	-0.1008
Gm13	12690023	12690279	Gmdrm	hypo	CHH	-0.0903
Gm13	12714962	12715042	Gmdrm	hypo	CHH	-0.09
Gm13	12738002	12738137	Gmdrm	hypo	CHH	-0.08
Gm13	12740839	12741060	Gmdrm	hypo	CHH	-0.089
Gm13	12745337	12745893	Gmdrm	hypo	CHH	-0.0712
Gm13	12746065	12747027	Gmdrm	hypo	CHH	-0.1907
Gm13	12748103	12749102	Gmdrm	hypo	CHH	-0.1489
Gm13	12749131	12749742	Gmdrm	hypo	CHH	-0.1283
Gm13	12752925	12753916	Gmdrm	hypo	CHH	-0.0287
Gm13	12753935	12754924	Gmdrm	hypo	CHH	-0.0191
Gm13	12754979	12755975	Gmdrm	hypo	CHH	-0.1432
Gm13	12761829	12762825	Gmdrm	hypo	CHH	-0.0583
Gm13	12769211	12770211	Gmdrm	hypo	CHH	-0.1658
Gm13	12775695	12776677	Gmdrm	hypo	CHH	-0.1668

Gm13	12777679	12778679	Gmdrm	hypo	CHH	-0.0435
Gm13	12778684	12779676	Gmdrm	hypo	CHH	-0.2328
Gm13	12779699	12779866	Gmdrm	hypo	CHH	-0.463
Gm13	12789832	12790822	Gmdrm	hypo	CHH	-0.223
Gm13	12792844	12793830	Gmdrm	hypo	CHH	-0.0189
Gm13	12802256	12803237	Gmdrm	hypo	CHH	-0.011
Gm13	12818849	12819829	Gmdrm	hypo	CHH	-0.017
Gm13	12837873	12838872	Gmdrm	hypo	CHH	-0.0354
Gm13	12858003	12859003	Gmdrm	hypo	CHH	-0.1526
Gm13	12859008	12859975	Gmdrm	hypo	CHH	-0.2364
Gm13	12860029	12861019	Gmdrm	hypo	CHH	-0.0322
Gm13	12861031	12861913	Gmdrm	hypo	CHH	-0.0688
Gm13	12864245	12865022	Gmdrm	hypo	CHH	-0.0162
Gm13	12873988	12874977	Gmdrm	hypo	CHH	-0.1597
Gm13	12915381	12916381	Gmdrm	hypo	CHH	-0.0898
Gm13	12916395	12917394	Gmdrm	hypo	CHH	-0.1012
Gm13	12923589	12924537	Gmdrm	hypo	CHH	-0.0566
Gm13	12928694	12929673	Gmdrm	hypo	CHH	-0.0365
Gm13	12933773	12934285	Gmdrm	hypo	CHH	-0.0128
Gm13	12936756	12937755	Gmdrm	hypo	CHH	-0.065
Gm13	12949455	12950455	Gmdrm	hypo	CHH	-0.0201
Gm13	12950463	12951457	Gmdrm	hypo	CHH	-0.0538
Gm13	12951466	12951958	Gmdrm	hypo	CHH	-0.0343
Gm13	12960679	12961676	Gmdrm	hypo	CHH	-0.0975
Gm13	12961689	12962668	Gmdrm	hypo	CHH	-0.0485
Gm13	12962707	12963706	Gmdrm	hypo	CHH	-0.0485
Gm13	12966782	12967780	Gmdrm	hypo	CHH	-0.1416
Gm13	12970846	12971737	Gmdrm	hypo	CHH	-0.0393
Gm13	12973113	12974106	Gmdrm	hypo	CHH	-0.0284
Gm13	12975940	12976286	Gmdrm	hypo	CHH	-0.0598
Gm13	12977704	12978683	Gmdrm	hypo	CHH	-0.187
Gm13	12978705	12979703	Gmdrm	hypo	CHH	-0.038
Gm13	12979724	12980720	Gmdrm	hypo	CHH	-0.1701
Gm13	12984175	12984821	Gmdrm	hypo	CHH	-0.0895
Gm13	12994699	12995246	Gmdrm	hypo	CHH	-0.1263
Gm13	12995385	12995503	Gmdrm	hypo	CHH	-0.2458
Gm13	12995638	12996635	Gmdrm	hypo	CHH	-0.095
Gm13	13006216	13007212	Gmdrm	hypo	CHH	-0.021
Gm13	13008047	13009033	Gmdrm	hypo	CHH	-0.0184
Gm13	13016134	13017122	Gmdrm	hypo	CHH	-0.0228
Gm13	13021621	13022306	Gmdrm	hypo	CHH	-0.0648
Gm13	13035681	13036653	Gmdrm	hypo	CHH	-0.194
Gm13	13051188	13052145	Gmdrm	hypo	CHH	-0.0199
Gm13	13052191	13053172	Gmdrm	hypo	CHH	-0.0224
Gm13	13057270	13058262	Gmdrm	hypo	CHH	-0.1744
Gm13	13070110	13070946	Gmdrm	hypo	CHH	-0.053

Gm13	13072799	13073797	Gmdrm	hypo	CHH	-0.0158
Gm13	13082733	13083716	Gmdrm	hypo	CHH	-0.25
Gm13	13091074	13091216	Gmdrm	hypo	CHH	-0.086
Gm13	13091535	13092519	Gmdrm	hypo	CHH	-0.0956
Gm13	13099218	13100207	Gmdrm	hypo	CHH	-0.0263
Gm13	13100221	13100495	Gmdrm	hypo	CHH	-0.0272
Gm13	13100619	13101606	Gmdrm	hypo	CHH	-0.0159
Gm13	13103090	13104080	Gmdrm	hypo	CHH	-0.1333
Gm13	13110167	13111153	Gmdrm	hypo	CHH	-0.0241
Gm13	13115435	13116415	Gmdrm	hypo	CHH	-0.0749
Gm13	13116438	13117112	Gmdrm	hypo	CHH	-0.0592
Gm13	13117217	13118181	Gmdrm	hypo	CHH	-0.0338
Gm13	13120464	13121412	Gmdrm	hypo	CHH	-0.0452
Gm13	13125214	13126157	Gmdrm	hypo	CHH	-0.0248
Gm13	13135263	13136262	Gmdrm	hypo	CHH	-0.0127
Gm13	13163500	13164484	Gmdrm	hypo	CHH	-0.0332
Gm13	13167011	13168011	Gmdrm	hypo	CHH	-0.042
Gm13	13171049	13172041	Gmdrm	hypo	CHH	-0.1326
Gm13	13177951	13178950	Gmdrm	hypo	CHH	-0.0664
Gm13	13180401	13181380	Gmdrm	hypo	CHH	-0.0195
Gm13	13188112	13189103	Gmdrm	hypo	CHH	-0.0126
Gm13	13191138	13191945	Gmdrm	hypo	CHH	-0.0167
Gm13	13194284	13194840	Gmdrm	hypo	CHH	-0.0244
Gm13	13211826	13212818	Gmdrm	hypo	CHH	-0.1065
Gm13	13214771	13215758	Gmdrm	hypo	CHH	-0.0368
Gm13	13219849	13220843	Gmdrm	hypo	CHH	-0.1838
Gm13	13222785	13223069	Gmdrm	hypo	CHH	-0.4821
Gm13	13226760	13226830	Gmdrm	hypo	CHH	-0.0545
Gm13	13235987	13236968	Gmdrm	hypo	CHH	-0.0144
Gm13	13247730	13248728	Gmdrm	hypo	CHH	-0.0249
Gm13	13248784	13249784	Gmdrm	hypo	CHH	-0.1012
Gm13	13249801	13250782	Gmdrm	hypo	CHH	-0.1392
Gm13	13258579	13259579	Gmdrm	hypo	CHH	-0.064
Gm13	13259580	13260578	Gmdrm	hypo	CHH	-0.0551
Gm13	13261586	13262566	Gmdrm	hypo	CHH	-0.0753
Gm13	13262593	13263071	Gmdrm	hypo	CHH	-0.0915
Gm13	13266448	13267445	Gmdrm	hypo	CHH	-0.0576
Gm13	13275514	13276501	Gmdrm	hypo	CHH	-0.0598
Gm13	13280481	13280743	Gmdrm	hypo	CHH	-0.0956
Gm13	13281006	13281160	Gmdrm	hypo	CHH	-0.157
Gm13	13301551	13301734	Gmdrm	hypo	CHH	-0.0521
Gm13	13302950	13303932	Gmdrm	hypo	CHH	-0.0412
Gm13	13304030	13305025	Gmdrm	hypo	CHH	-0.0714
Gm13	13309086	13310078	Gmdrm	hypo	CHH	-0.036
Gm13	13322303	13323264	Gmdrm	hypo	CHH	-0.078
Gm13	13326398	13327382	Gmdrm	hypo	CHH	-0.044

Gm13	13328192	13329164	Gmdrm	hypo	CHH	-0.0155
Gm13	13331426	13332395	Gmdrm	hypo	CHH	-0.0171
Gm13	13340068	13340357	Gmdrm	hypo	CHH	-0.03
Gm13	13346322	13346493	Gmdrm	hypo	CHH	-0.0258
Gm13	13352648	13353588	Gmdrm	hypo	CHH	-0.1186
Gm13	13364040	13365004	Gmdrm	hypo	CHH	-0.0774
Gm13	13366489	13367482	Gmdrm	hypo	CHH	-0.0215
Gm13	13376346	13377340	Gmdrm	hypo	CHH	-0.0589
Gm13	13377354	13378351	Gmdrm	hypo	CHH	-0.0506
Gm13	13379360	13380357	Gmdrm	hypo	CHH	-0.0177
Gm13	13384415	13385285	Gmdrm	hypo	CHH	-0.02
Gm13	13391259	13392255	Gmdrm	hypo	CHH	-0.1417
Gm13	13392263	13393258	Gmdrm	hypo	CHH	-0.1026
Gm13	13393278	13394259	Gmdrm	hypo	CHH	-0.147
Gm13	13400933	13401929	Gmdrm	hypo	CHH	-0.0382
Gm13	13401934	13402271	Gmdrm	hypo	CHH	-0.0994
Gm13	13460745	13461732	Gmdrm	hypo	CHH	-0.135
Gm13	13469844	13469993	Gmdrm	hypo	CHH	-0.0783
Gm13	13470688	13471685	Gmdrm	hypo	CHH	-0.3096
Gm13	13471690	13472597	Gmdrm	hypo	CHH	-0.1078
Gm13	13473111	13473605	Gmdrm	hypo	CHH	-0.1084
Gm13	13475695	13476688	Gmdrm	hypo	CHH	-0.1721
Gm13	13488620	13489390	Gmdrm	hypo	CHH	-0.1127
Gm13	13489512	13489683	Gmdrm	hypo	CHH	-0.0386
Gm13	13490344	13490880	Gmdrm	hypo	CHH	-0.467
Gm13	13492809	13493801	Gmdrm	hypo	CHH	-0.1432
Gm13	13493810	13494810	Gmdrm	hypo	CHH	-0.0563
Gm13	13496572	13497552	Gmdrm	hypo	CHH	-0.1281
Gm13	13503643	13504639	Gmdrm	hypo	CHH	-0.0368
Gm13	13507658	13508657	Gmdrm	hypo	CHH	-0.0317
Gm13	13510401	13510881	Gmdrm	hypo	CHH	-0.2382
Gm13	13512658	13513638	Gmdrm	hypo	CHH	-0.0229
Gm13	13522483	13523477	Gmdrm	hypo	CHH	-0.0226
Gm13	13526531	13527492	Gmdrm	hypo	CHH	-0.0673
Gm13	13527555	13528555	Gmdrm	hypo	CHH	-0.0135
Gm13	13535166	13536158	Gmdrm	hypo	CHH	-0.0554
Gm13	13536174	13536968	Gmdrm	hypo	CHH	-0.0456
Gm13	13537091	13538087	Gmdrm	hypo	CHH	-0.1829
Gm13	13543000	13543989	Gmdrm	hypo	CHH	-0.0164
Gm13	13546881	13547875	Gmdrm	hypo	CHH	-0.088
Gm13	13561371	13562340	Gmdrm	hypo	CHH	-0.0303
Gm13	13564383	13565371	Gmdrm	hypo	CHH	-0.1328
Gm13	13569089	13570050	Gmdrm	hypo	CHH	-0.0376
Gm13	13570293	13571275	Gmdrm	hypo	CHH	-0.0129
Gm13	13571294	13572282	Gmdrm	hypo	CHH	-0.0329
Gm13	13578375	13579362	Gmdrm	hypo	CHH	-0.042

Gm13	13583244	13584243	Gmdrm	hypo	CHH	-0.0259
Gm13	13584269	13585265	Gmdrm	hypo	CHH	-0.0947
Gm13	13585279	13586271	Gmdrm	hypo	CHH	-0.0302
Gm13	13590545	13591545	Gmdrm	hypo	CHH	-0.1449
Gm13	13605735	13606731	Gmdrm	hypo	CHH	-0.1435
Gm13	13610780	13611736	Gmdrm	hypo	CHH	-0.0656
Gm13	13611788	13612754	Gmdrm	hypo	CHH	-0.2266
Gm13	13615059	13616058	Gmdrm	hypo	CHH	-0.0846
Gm13	13616063	13617033	Gmdrm	hypo	CHH	-0.3254
Gm13	13617556	13617753	Gmdrm	hypo	CHH	-0.03
Gm13	13646184	13647177	Gmdrm	hypo	CHH	-0.2079
Gm13	13648569	13649045	Gmdrm	hypo	CHH	-0.0749
Gm13	13652362	13653072	Gmdrm	hypo	CHH	-0.0468
Gm13	13669856	13670031	Gmdrm	hypo	CHH	-0.024
Gm13	13672001	13673000	Gmdrm	hypo	CHH	-0.0227
Gm13	13677015	13677530	Gmdrm	hypo	CHH	-0.0415
Gm13	13678736	13679723	Gmdrm	hypo	CHH	-0.0708
Gm13	13679752	13680737	Gmdrm	hypo	CHH	-0.0835
Gm13	13681760	13682753	Gmdrm	hypo	CHH	-0.0168
Gm13	13710801	13711792	Gmdrm	hypo	CHH	-0.0784
Gm13	13723423	13723972	Gmdrm	hypo	CHH	-0.033
Gm13	13729473	13730436	Gmdrm	hypo	CHH	-0.0383
Gm13	13730481	13731473	Gmdrm	hypo	CHH	-0.0536
Gm13	13741424	13742390	Gmdrm	hypo	CHH	-0.0253
Gm13	13753171	13754139	Gmdrm	hypo	CHH	-0.0226
Gm13	13755951	13756938	Gmdrm	hypo	CHH	-0.0166
Gm13	13758279	13759268	Gmdrm	hypo	CHH	-0.0393
Gm13	13759310	13760278	Gmdrm	hypo	CHH	-0.0238
Gm13	13761317	13762306	Gmdrm	hypo	CHH	-0.0167
Gm13	13776296	13777264	Gmdrm	hypo	CHH	-0.0133
Gm13	13777300	13778298	Gmdrm	hypo	CHH	-0.0172
Gm13	13781731	13782703	Gmdrm	hypo	CHH	-0.1512
Gm13	13783511	13784497	Gmdrm	hypo	CHH	-0.0902
Gm13	13784532	13785518	Gmdrm	hypo	CHH	-0.0198
Gm13	13789739	13790153	Gmdrm	hypo	CHH	-0.0157
Gm13	13791803	13792788	Gmdrm	hypo	CHH	-0.0758
Gm13	13798868	13799862	Gmdrm	hypo	CHH	-0.0321
Gm13	13800909	13801737	Gmdrm	hypo	CHH	-0.1009
Gm13	13807642	13808641	Gmdrm	hypo	CHH	-0.083
Gm13	13808643	13809642	Gmdrm	hypo	CHH	-0.0667
Gm13	13817984	13818972	Gmdrm	hypo	CHH	-0.0528
Gm13	13825262	13825780	Gmdrm	hypo	CHH	-0.0319
Gm13	13849118	13850081	Gmdrm	hypo	CHH	-0.1032
Gm13	13854025	13855024	Gmdrm	hypo	CHH	-0.0204
Gm13	13855026	13855989	Gmdrm	hypo	CHH	-0.047
Gm13	13856029	13857029	Gmdrm	hypo	CHH	-0.0619

Gm13	13857043	13858011 Gmdrm	hypo	CHH	-0.048
Gm13	13862185	13862804 Gmdrm	hypo	CHH	-0.0253
Gm13	13863409	13864379 Gmdrm	hypo	CHH	-0.1176
Gm13	13927567	13927918 Gmdrm	hypo	CHH	-0.043
Gm13	13944712	13945636 Gmdrm	hypo	CHH	-0.0802
Gm13	13954055	13955037 Gmdrm	hypo	CHH	-0.0736
Gm13	13955187	13956187 Gmdrm	hypo	CHH	-0.0227
Gm13	13956240	13957240 Gmdrm	hypo	CHH	-0.1227
Gm13	13957242	13958094 Gmdrm	hypo	CHH	-0.2021
Gm13	13962577	13963557 Gmdrm	hypo	CHH	-0.0357
Gm13	13964680	13965676 Gmdrm	hypo	CHH	-0.0422
Gm13	13972790	13973245 Gmdrm	hypo	CHH	-0.0242
Gm13	13973346	13974326 Gmdrm	hypo	CHH	-0.0153
Gm13	13975852	13976836 Gmdrm	hypo	CHH	-0.0209
Gm13	13977893	13978822 Gmdrm	hypo	CHH	-0.0176
Gm13	13984777	13985777 Gmdrm	hypo	CHH	-0.0498
Gm13	14001344	14002340 Gmdrm	hypo	CHH	-0.0821
Gm13	14011950	14012944 Gmdrm	hypo	CHH	-0.0321
Gm13	14013072	14013939 Gmdrm	hypo	CHH	-0.0526
Gm13	14015494	14016485 Gmdrm	hypo	CHH	-0.0277
Gm13	14020305	14021305 Gmdrm	hypo	CHH	-0.1377
Gm13	14021309	14021636 Gmdrm	hypo	CHH	-0.277
Gm13	14022493	14023473 Gmdrm	hypo	CHH	-0.0385
Gm13	14032938	14033264 Gmdrm	hypo	CHH	-0.0848
Gm13	14036498	14037491 Gmdrm	hypo	CHH	-0.0325
Gm13	14039523	14039911 Gmdrm	hypo	CHH	-0.0133
Gm13	14041020	14042003 Gmdrm	hypo	CHH	-0.0147
Gm13	14043043	14043476 Gmdrm	hypo	CHH	-0.0207
Gm13	14047605	14048593 Gmdrm	hypo	CHH	-0.0593
Gm13	14054406	14055400 Gmdrm	hypo	CHH	-0.0711
Gm13	14058932	14059930 Gmdrm	hypo	CHH	-0.0239
Gm13	14059969	14060935 Gmdrm	hypo	CHH	-0.0132
Gm13	14067960	14068755 Gmdrm	hypo	CHH	-0.0383
Gm13	14068877	14069725 Gmdrm	hypo	CHH	-0.0229
Gm13	14070850	14071833 Gmdrm	hypo	CHH	-0.0874
Gm13	14073865	14074863 Gmdrm	hypo	CHH	-0.0217
Gm13	14076943	14077531 Gmdrm	hypo	CHH	-0.023
Gm13	14079960	14080946 Gmdrm	hypo	CHH	-0.0253
Gm13	14081355	14081888 Gmdrm	hypo	CHH	-0.0286
Gm13	14083502	14084498 Gmdrm	hypo	CHH	-0.0178
Gm13	14086601	14087568 Gmdrm	hypo	CHH	-0.038
Gm13	14090483	14091469 Gmdrm	hypo	CHH	-0.2952
Gm13	14091486	14092465 Gmdrm	hypo	CHH	-0.0182
Gm13	14094907	14095887 Gmdrm	hypo	CHH	-0.0324
Gm13	14098796	14099742 Gmdrm	hypo	CHH	-0.0171
Gm13	14099799	14100790 Gmdrm	hypo	CHH	-0.3665

Gm13	14101382	14102375	Gmdrm	hypo	CHH	-0.012
Gm13	14121730	14122687	Gmdrm	hypo	CHH	-0.0196
Gm13	14129965	14130959	Gmdrm	hypo	CHH	-0.0745
Gm13	14135176	14135514	Gmdrm	hypo	CHH	-0.0728
Gm13	14141367	14142357	Gmdrm	hypo	CHH	-0.0131
Gm13	14142370	14143366	Gmdrm	hypo	CHH	-0.0169
Gm13	14148352	14149344	Gmdrm	hypo	CHH	-0.0297
Gm13	14149359	14150350	Gmdrm	hypo	CHH	-0.0364
Gm13	14151365	14152363	Gmdrm	hypo	CHH	-0.043
Gm13	14152367	14153288	Gmdrm	hypo	CHH	-0.0178
Gm13	14163341	14164337	Gmdrm	hypo	CHH	-0.0736
Gm13	14164350	14165340	Gmdrm	hypo	CHH	-0.3965
Gm13	14171680	14172643	Gmdrm	hypo	CHH	-0.2709
Gm13	14184158	14185158	Gmdrm	hypo	CHH	-0.2634
Gm13	14185198	14186196	Gmdrm	hypo	CHH	-0.1004
Gm13	14189241	14190231	Gmdrm	hypo	CHH	-0.0955
Gm13	14202472	14203457	Gmdrm	hypo	CHH	-0.1462
Gm13	14204491	14205488	Gmdrm	hypo	CHH	-0.0161
Gm13	14219414	14220414	Gmdrm	hypo	CHH	-0.0511
Gm13	14221416	14222403	Gmdrm	hypo	CHH	-0.0673
Gm13	14239670	14240665	Gmdrm	hypo	CHH	-0.072
Gm13	14240671	14241646	Gmdrm	hypo	CHH	-0.0824
Gm13	14254915	14255890	Gmdrm	hypo	CHH	-0.0095
Gm13	14263794	14264776	Gmdrm	hypo	CHH	-0.0369
Gm13	14267035	14267984	Gmdrm	hypo	CHH	-0.0357
Gm13	14269263	14270261	Gmdrm	hypo	CHH	-0.0268
Gm13	14273956	14274954	Gmdrm	hypo	CHH	-0.1431
Gm13	14275960	14276956	Gmdrm	hypo	CHH	-0.0333
Gm13	14284148	14285144	Gmdrm	hypo	CHH	-0.0125
Gm13	14286196	14287184	Gmdrm	hypo	CHH	-0.1611
Gm13	14287199	14288194	Gmdrm	hypo	CHH	-0.1592
Gm13	14288202	14289200	Gmdrm	hypo	CHH	-0.3415
Gm13	14289207	14290081	Gmdrm	hypo	CHH	-0.2821
Gm13	14293932	14294931	Gmdrm	hypo	CHH	-0.055
Gm13	14294934	14295932	Gmdrm	hypo	CHH	-0.0519
Gm13	14295936	14296922	Gmdrm	hypo	CHH	-0.0527
Gm13	14303442	14304155	Gmdrm	hypo	CHH	-0.1522
Gm13	14316108	14317087	Gmdrm	hypo	CHH	-0.0819
Gm13	14317110	14317816	Gmdrm	hypo	CHH	-0.0806
Gm13	14322681	14323673	Gmdrm	hypo	CHH	-0.0541
Gm13	14323700	14323959	Gmdrm	hypo	CHH	-0.11
Gm13	14327691	14328686	Gmdrm	hypo	CHH	-0.0821
Gm13	14328695	14329679	Gmdrm	hypo	CHH	-0.1133
Gm13	14350109	14351097	Gmdrm	hypo	CHH	-0.0417
Gm13	14351110	14351701	Gmdrm	hypo	CHH	-0.2386
Gm13	14355378	14356376	Gmdrm	hypo	CHH	-0.0563

Gm13	14388509	14389506	Gmdrm	hypo	CHH	-0.0288
Gm13	14392302	14393293	Gmdrm	hypo	CHH	-0.0092
Gm13	14393308	14394293	Gmdrm	hypo	CHH	-0.0142
Gm13	14394314	14395311	Gmdrm	hypo	CHH	-0.1281
Gm13	14395317	14395657	Gmdrm	hypo	CHH	-0.1128
Gm13	14395931	14396244	Gmdrm	hypo	CHH	-0.0378
Gm13	14402331	14403325	Gmdrm	hypo	CHH	-0.037
Gm13	14404373	14404660	Gmdrm	hypo	CHH	-0.0305
Gm13	14406136	14407130	Gmdrm	hypo	CHH	-0.1097
Gm13	14407138	14408120	Gmdrm	hypo	CHH	-0.0677
Gm13	14416978	14417544	Gmdrm	hypo	CHH	-0.0274
Gm13	14418662	14419244	Gmdrm	hypo	CHH	-0.0612
Gm13	14432325	14433316	Gmdrm	hypo	CHH	-0.0521
Gm13	14436406	14437386	Gmdrm	hypo	CHH	-0.0236
Gm13	14437412	14438375	Gmdrm	hypo	CHH	-0.0173
Gm13	14445492	14446473	Gmdrm	hypo	CHH	-0.1912
Gm13	14447907	14448903	Gmdrm	hypo	CHH	-0.1878
Gm13	14450047	14451037	Gmdrm	hypo	CHH	-0.1379
Gm13	14451050	14452035	Gmdrm	hypo	CHH	-0.0993
Gm13	14456609	14457463	Gmdrm	hypo	CHH	-0.1652
Gm13	14457606	14458503	Gmdrm	hypo	CHH	-0.0806
Gm13	14458677	14459596	Gmdrm	hypo	CHH	-0.1984
Gm13	14460703	14461616	Gmdrm	hypo	CHH	-0.0299
Gm13	14461725	14462711	Gmdrm	hypo	CHH	-0.0282
Gm13	14466322	14466538	Gmdrm	hypo	CHH	-0.105
Gm13	14490721	14490982	Gmdrm	hypo	CHH	-0.0448
Gm13	14493172	14494172	Gmdrm	hypo	CHH	-0.1031
Gm13	14494175	14495175	Gmdrm	hypo	CHH	-0.1375
Gm13	14496182	14497175	Gmdrm	hypo	CHH	-0.063
Gm13	14498958	14499958	Gmdrm	hypo	CHH	-0.061
Gm13	14503520	14504519	Gmdrm	hypo	CHH	-0.0893
Gm13	14526621	14527614	Gmdrm	hypo	CHH	-0.0321
Gm13	14557957	14558901	Gmdrm	hypo	CHH	-0.0156
Gm13	14573696	14574511	Gmdrm	hypo	CHH	-0.0197
Gm13	14585908	14586881	Gmdrm	hypo	CHH	-0.0603
Gm13	14591515	14592507	Gmdrm	hypo	CHH	-0.0572
Gm13	14592541	14593540	Gmdrm	hypo	CHH	-0.015
Gm13	14599527	14600379	Gmdrm	hypo	CHH	-0.0219
Gm13	14600720	14601682	Gmdrm	hypo	CHH	-0.0151
Gm13	14624630	14625630	Gmdrm	hypo	CHH	-0.0587
Gm13	14625636	14626634	Gmdrm	hypo	CHH	-0.0916
Gm13	14630779	14631777	Gmdrm	hypo	CHH	-0.0393
Gm13	14631781	14632779	Gmdrm	hypo	CHH	-0.0487
Gm13	14639243	14640242	Gmdrm	hypo	CHH	-0.019
Gm13	14641258	14642253	Gmdrm	hypo	CHH	-0.0171
Gm13	14646484	14647484	Gmdrm	hypo	CHH	-0.0593

Gm13	14651501	14652491	Gmdrm	hypo	CHH	-0.0488
Gm13	14652522	14653486	Gmdrm	hypo	CHH	-0.0141
Gm13	14658326	14659324	Gmdrm	hypo	CHH	-0.0154
Gm13	14660338	14661317	Gmdrm	hypo	CHH	-0.2373
Gm13	14663772	14664697	Gmdrm	hypo	CHH	-0.021
Gm13	14664919	14665919	Gmdrm	hypo	CHH	-0.0675
Gm13	14665922	14666872	Gmdrm	hypo	CHH	-0.0539
Gm13	14668858	14669315	Gmdrm	hypo	CHH	-0.0239
Gm13	14673009	14673646	Gmdrm	hypo	CHH	-0.0282
Gm13	14678805	14679274	Gmdrm	hypo	CHH	-0.0836
Gm13	14693495	14694293	Gmdrm	hypo	CHH	-0.1058
Gm13	14694881	14695859	Gmdrm	hypo	CHH	-0.0337
Gm13	14703191	14704188	Gmdrm	hypo	CHH	-0.0575
Gm13	14705197	14706186	Gmdrm	hypo	CHH	-0.0117
Gm13	14706236	14707216	Gmdrm	hypo	CHH	-0.0214
Gm13	14710347	14711314	Gmdrm	hypo	CHH	-0.0734
Gm13	14717200	14718197	Gmdrm	hypo	CHH	-0.1689
Gm13	14724680	14725676	Gmdrm	hypo	CHH	-0.2198
Gm13	14725681	14726660	Gmdrm	hypo	CHH	-0.0963
Gm13	14726692	14727685	Gmdrm	hypo	CHH	-0.0748
Gm13	14727695	14728157	Gmdrm	hypo	CHH	-0.0729
Gm13	14737779	14738762	Gmdrm	hypo	CHH	-0.0156
Gm13	14740258	14741253	Gmdrm	hypo	CHH	-0.0346
Gm13	14744023	14745015	Gmdrm	hypo	CHH	-0.1453
Gm13	14748071	14749062	Gmdrm	hypo	CHH	-0.0663
Gm13	14755174	14756168	Gmdrm	hypo	CHH	-0.2781
Gm13	14762429	14763428	Gmdrm	hypo	CHH	-0.2018
Gm13	14770236	14771207	Gmdrm	hypo	CHH	-0.0696
Gm13	14776345	14776956	Gmdrm	hypo	CHH	-0.0179
Gm13	14783912	14784679	Gmdrm	hypo	CHH	-0.1017
Gm13	14785041	14786032	Gmdrm	hypo	CHH	-0.1139
Gm13	14790263	14791259	Gmdrm	hypo	CHH	-0.0966
Gm13	14799875	14800871	Gmdrm	hypo	CHH	-0.0212
Gm13	14800877	14801874	Gmdrm	hypo	CHH	-0.0568
Gm13	14801883	14802868	Gmdrm	hypo	CHH	-0.0254
Gm13	14803748	14804699	Gmdrm	hypo	CHH	-0.0228
Gm13	14808467	14809466	Gmdrm	hypo	CHH	-0.0633
Gm13	14809471	14810459	Gmdrm	hypo	CHH	-0.0447
Gm13	14810490	14811480	Gmdrm	hypo	CHH	-0.1679
Gm13	14812517	14813511	Gmdrm	hypo	CHH	-0.0188
Gm13	14821017	14822010	Gmdrm	hypo	CHH	-0.0305
Gm13	14823047	14823740	Gmdrm	hypo	CHH	-0.0537
Gm13	14823854	14824846	Gmdrm	hypo	CHH	-0.0231
Gm13	14824860	14825856	Gmdrm	hypo	CHH	-0.02
Gm13	14837239	14838238	Gmdrm	hypo	CHH	-0.0507
Gm13	14838242	14839237	Gmdrm	hypo	CHH	-0.039

Gm13	14839243	14839719	Gmdrm	hypo	CHH	-0.107
Gm13	14841505	14842455	Gmdrm	hypo	CHH	-0.0153
Gm13	14853477	14854476	Gmdrm	hypo	CHH	-0.0208
Gm13	14863413	14864410	Gmdrm	hypo	CHH	-0.1334
Gm13	14864415	14865415	Gmdrm	hypo	CHH	-0.0803
Gm13	14866434	14867432	Gmdrm	hypo	CHH	-0.0527
Gm13	14867438	14867756	Gmdrm	hypo	CHH	-0.0629
Gm13	14868294	14869292	Gmdrm	hypo	CHH	-0.0836
Gm13	14869299	14870285	Gmdrm	hypo	CHH	-0.0334
Gm13	14877483	14878355	Gmdrm	hypo	CHH	-0.0776
Gm13	14884041	14884303	Gmdrm	hypo	CHH	-0.0388
Gm13	14887704	14888699	Gmdrm	hypo	CHH	-0.029
Gm13	14915848	14915961	Gmdrm	hypo	CHH	-0.0362
Gm13	14931317	14932307	Gmdrm	hypo	CHH	-0.0132
Gm13	14948309	14949301	Gmdrm	hypo	CHH	-0.1162
Gm13	14958974	14959974	Gmdrm	hypo	CHH	-0.0591
Gm13	14960995	14961984	Gmdrm	hypo	CHH	-0.0385
Gm13	14962003	14962981	Gmdrm	hypo	CHH	-0.0155
Gm13	14963282	14964279	Gmdrm	hypo	CHH	-0.014
Gm13	14971807	14972780	Gmdrm	hypo	CHH	-0.0991
Gm13	14978731	14979731	Gmdrm	hypo	CHH	-0.0409
Gm13	14979736	14980724	Gmdrm	hypo	CHH	-0.0337
Gm13	14981749	14982536	Gmdrm	hypo	CHH	-0.0154
Gm13	14982652	14983650	Gmdrm	hypo	CHH	-0.0689
Gm13	14985436	14986435	Gmdrm	hypo	CHH	-0.0262
Gm13	14992302	14993291	Gmdrm	hypo	CHH	-0.015
Gm13	14997022	14998021	Gmdrm	hypo	CHH	-0.0164
Gm13	15000840	15001828	Gmdrm	hypo	CHH	-0.0148
Gm13	15001843	15002642	Gmdrm	hypo	CHH	-0.0257
Gm13	15002750	15003748	Gmdrm	hypo	CHH	-0.0298
Gm13	15003754	15004744	Gmdrm	hypo	CHH	-0.0307
Gm13	15004775	15005772	Gmdrm	hypo	CHH	-0.0358
Gm13	15008811	15009440	Gmdrm	hypo	CHH	-0.0286
Gm13	15010634	15011620	Gmdrm	hypo	CHH	-0.0462
Gm13	15031047	15031604	Gmdrm	hypo	CHH	-0.1385
Gm13	15034724	15035715	Gmdrm	hypo	CHH	-0.0292
Gm13	15035729	15036708	Gmdrm	hypo	CHH	-0.0435
Gm13	15036766	15037755	Gmdrm	hypo	CHH	-0.0461
Gm13	15052467	15053458	Gmdrm	hypo	CHH	-0.0148
Gm13	15054515	15055514	Gmdrm	hypo	CHH	-0.1394
Gm13	15058207	15059206	Gmdrm	hypo	CHH	-0.185
Gm13	15060257	15061255	Gmdrm	hypo	CHH	-0.0168
Gm13	15063805	15064442	Gmdrm	hypo	CHH	-0.0224
Gm13	15065968	15066966	Gmdrm	hypo	CHH	-0.131
Gm13	15078825	15079806	Gmdrm	hypo	CHH	-0.0268
Gm13	15083966	15084954	Gmdrm	hypo	CHH	-0.035

Gm13	15095388	15095971 Gmdrm	hypo	CHH	-0.0363
Gm13	15098131	15098912 Gmdrm	hypo	CHH	-0.0216
Gm13	15100052	15100157 Gmdrm	hypo	CHH	-0.0736
Gm13	15101286	15102286 Gmdrm	hypo	CHH	-0.0141
Gm13	15102293	15103292 Gmdrm	hypo	CHH	-0.0595
Gm13	15109375	15110369 Gmdrm	hypo	CHH	-0.0537
Gm13	15115209	15115663 Gmdrm	hypo	CHH	-0.022
Gm13	15119129	15120126 Gmdrm	hypo	CHH	-0.0284
Gm13	15140144	15141132 Gmdrm	hypo	CHH	-0.0514
Gm13	15141146	15142135 Gmdrm	hypo	CHH	-0.0403
Gm13	15158950	15159599 Gmdrm	hypo	CHH	-0.0849
Gm13	15162015	15163013 Gmdrm	hypo	CHH	-0.0248
Gm13	15183535	15184211 Gmdrm	hypo	CHH	-0.0178
Gm13	15184312	15185308 Gmdrm	hypo	CHH	-0.0215
Gm13	15186363	15187351 Gmdrm	hypo	CHH	-0.0357
Gm13	15187375	15188374 Gmdrm	hypo	CHH	-0.0586
Gm13	15189389	15190365 Gmdrm	hypo	CHH	-0.0295
Gm13	15193383	15194372 Gmdrm	hypo	CHH	-0.0202
Gm13	15196027	15196947 Gmdrm	hypo	CHH	-0.0143
Gm13	15204011	15205009 Gmdrm	hypo	CHH	-0.0398
Gm13	15215723	15216697 Gmdrm	hypo	CHH	-0.0264
Gm13	15218754	15219750 Gmdrm	hypo	CHH	-0.0322
Gm13	15219806	15220802 Gmdrm	hypo	CHH	-0.0178
Gm13	15220824	15221821 Gmdrm	hypo	CHH	-0.0362
Gm13	15235808	15236804 Gmdrm	hypo	CHH	-0.0433
Gm13	15236809	15237805 Gmdrm	hypo	CHH	-0.0559
Gm13	15240967	15241133 Gmdrm	hypo	CHH	-0.0937
Gm13	15248406	15249397 Gmdrm	hypo	CHH	-0.035
Gm13	15253346	15254335 Gmdrm	hypo	CHH	-0.0219
Gm13	15258405	15259405 Gmdrm	hypo	CHH	-0.0375
Gm13	15259410	15260406 Gmdrm	hypo	CHH	-0.0328
Gm13	15260428	15261426 Gmdrm	hypo	CHH	-0.043
Gm13	15261429	15262417 Gmdrm	hypo	CHH	-0.0361
Gm13	15267867	15268833 Gmdrm	hypo	CHH	-0.025
Gm13	15274540	15275531 Gmdrm	hypo	CHH	-0.0175
Gm13	15275552	15276552 Gmdrm	hypo	CHH	-0.1222
Gm13	15293352	15293582 Gmdrm	hypo	CHH	-0.0317
Gm13	15294948	15295944 Gmdrm	hypo	CHH	-0.1348
Gm13	15295955	15296954 Gmdrm	hypo	CHH	-0.0615
Gm13	15300692	15301689 Gmdrm	hypo	CHH	-0.0728
Gm13	15314810	15315798 Gmdrm	hypo	CHH	-0.0875
Gm13	15316860	15317852 Gmdrm	hypo	CHH	-0.0201
Gm13	15330579	15331527 Gmdrm	hypo	CHH	-0.0826
Gm13	15349489	15350483 Gmdrm	hypo	CHH	-0.0875
Gm13	15350494	15351478 Gmdrm	hypo	CHH	-0.0744
Gm13	15361066	15361273 Gmdrm	hypo	CHH	-0.0865

Gm13	15365590	15366575	Gmdrm	hypo	CHH	-0.0435
Gm13	15379179	15380179	Gmdrm	hypo	CHH	-0.0222
Gm13	15434202	15435202	Gmdrm	hypo	CHH	-0.011
Gm13	15435215	15436189	Gmdrm	hypo	CHH	-0.0229
Gm13	15436227	15436353	Gmdrm	hypo	CHH	-0.0239
Gm13	15436466	15437464	Gmdrm	hypo	CHH	-0.0879
Gm13	15438493	15439493	Gmdrm	hypo	CHH	-0.0765
Gm13	15443577	15444031	Gmdrm	hypo	CHH	-0.0185
Gm13	15448436	15448838	Gmdrm	hypo	CHH	-0.0839
Gm13	15451489	15452489	Gmdrm	hypo	CHH	-0.0121
Gm13	15452501	15453240	Gmdrm	hypo	CHH	-0.0488
Gm13	15456806	15457782	Gmdrm	hypo	CHH	-0.0774
Gm13	15462311	15462398	Gmdrm	hypo	CHH	-0.0557
Gm13	15464511	15465495	Gmdrm	hypo	CHH	-0.1134
Gm13	15470441	15471441	Gmdrm	hypo	CHH	-0.0147
Gm13	15498631	15498930	Gmdrm	hypo	CHH	-0.0331
Gm13	15500496	15501475	Gmdrm	hypo	CHH	-0.0202
Gm13	15507652	15508649	Gmdrm	hypo	CHH	-0.0973
Gm13	15515785	15516779	Gmdrm	hypo	CHH	-0.078
Gm13	15516788	15517179	Gmdrm	hypo	CHH	-0.2145
Gm13	15523387	15524380	Gmdrm	hypo	CHH	-0.021
Gm13	15531123	15532120	Gmdrm	hypo	CHH	-0.0377
Gm13	15533934	15534901	Gmdrm	hypo	CHH	-0.0323
Gm13	15553662	15554654	Gmdrm	hypo	CHH	-0.0424
Gm13	15558889	15559866	Gmdrm	hypo	CHH	-0.1659
Gm13	15559908	15560839	Gmdrm	hypo	CHH	-0.1188
Gm13	15561933	15562902	Gmdrm	hypo	CHH	-0.0208
Gm13	15573610	15574591	Gmdrm	hypo	CHH	-0.0356
Gm13	15574618	15575608	Gmdrm	hypo	CHH	-0.0125
Gm13	15575622	15576619	Gmdrm	hypo	CHH	-0.0915
Gm13	15600389	15601385	Gmdrm	hypo	CHH	-0.0386
Gm13	15607431	15608344	Gmdrm	hypo	CHH	-0.0593
Gm13	15612236	15613214	Gmdrm	hypo	CHH	-0.0211
Gm13	15618658	15619400	Gmdrm	hypo	CHH	-0.0242
Gm13	15620862	15621843	Gmdrm	hypo	CHH	-0.0877
Gm13	15626620	15627617	Gmdrm	hypo	CHH	-0.0464
Gm13	15631710	15632706	Gmdrm	hypo	CHH	-0.0115
Gm13	15634781	15635779	Gmdrm	hypo	CHH	-0.0314
Gm13	15636784	15637783	Gmdrm	hypo	CHH	-0.0389
Gm13	15637791	15638598	Gmdrm	hypo	CHH	-0.0424
Gm13	15639115	15640115	Gmdrm	hypo	CHH	-0.0205
Gm13	15640121	15641098	Gmdrm	hypo	CHH	-0.0369
Gm13	15644082	15645074	Gmdrm	hypo	CHH	-0.0205
Gm13	15646106	15647104	Gmdrm	hypo	CHH	-0.1953
Gm13	15661755	15662749	Gmdrm	hypo	CHH	-0.0156
Gm13	15664912	15665900	Gmdrm	hypo	CHH	-0.1311

Gm13	15668526	15668671	Gmdrm	hypo	CHH	-0.0618
Gm13	15675430	15676429	Gmdrm	hypo	CHH	-0.0494
Gm13	15680460	15680945	Gmdrm	hypo	CHH	-0.0836
Gm13	15687628	15688167	Gmdrm	hypo	CHH	-0.027
Gm13	15689594	15690585	Gmdrm	hypo	CHH	-0.0214
Gm13	15691763	15692761	Gmdrm	hypo	CHH	-0.0525
Gm13	15692765	15693562	Gmdrm	hypo	CHH	-0.0328
Gm13	15694108	15695085	Gmdrm	hypo	CHH	-0.0381
Gm13	15697917	15698896	Gmdrm	hypo	CHH	-0.1541
Gm13	15699011	15700008	Gmdrm	hypo	CHH	-0.01
Gm13	15700021	15700996	Gmdrm	hypo	CHH	-0.0264
Gm13	15701027	15702000	Gmdrm	hypo	CHH	-0.0137
Gm13	15705944	15706069	Gmdrm	hypo	CHH	-0.05
Gm13	15707531	15708527	Gmdrm	hypo	CHH	-0.014
Gm13	15709547	15710511	Gmdrm	hypo	CHH	-0.0184
Gm13	15721001	15721994	Gmdrm	hypo	CHH	-0.0171
Gm13	15727352	15728338	Gmdrm	hypo	CHH	-0.0466
Gm13	15733731	15734710	Gmdrm	hypo	CHH	-0.0105
Gm13	15734748	15735746	Gmdrm	hypo	CHH	-0.0149
Gm13	15736112	15737078	Gmdrm	hypo	CHH	-0.2292
Gm13	15743678	15744677	Gmdrm	hypo	CHH	-0.0253
Gm13	15746725	15747651	Gmdrm	hypo	CHH	-0.021
Gm13	15752759	15753572	Gmdrm	hypo	CHH	-0.0266
Gm13	15758333	15759333	Gmdrm	hypo	CHH	-0.2611
Gm13	15759335	15760318	Gmdrm	hypo	CHH	-0.1754
Gm13	15760337	15761226	Gmdrm	hypo	CHH	-0.0622
Gm13	15765644	15766629	Gmdrm	hypo	CHH	-0.0213
Gm13	15775740	15776729	Gmdrm	hypo	CHH	-0.1248
Gm13	15778853	15779847	Gmdrm	hypo	CHH	-0.0861
Gm13	15779857	15780850	Gmdrm	hypo	CHH	-0.0309
Gm13	15783422	15784422	Gmdrm	hypo	CHH	-0.0224
Gm13	15784429	15785428	Gmdrm	hypo	CHH	-0.0633
Gm13	15786438	15787438	Gmdrm	hypo	CHH	-0.1499
Gm13	15792777	15793776	Gmdrm	hypo	CHH	-0.0458
Gm13	15807841	15808835	Gmdrm	hypo	CHH	-0.0546
Gm13	15808849	15809802	Gmdrm	hypo	CHH	-0.0221
Gm13	15811585	15812569	Gmdrm	hypo	CHH	-0.0937
Gm13	15815821	15815907	Gmdrm	hypo	CHH	-0.136
Gm13	15818248	15819238	Gmdrm	hypo	CHH	-0.0392
Gm13	15821283	15821991	Gmdrm	hypo	CHH	-0.0167
Gm13	15831941	15832939	Gmdrm	hypo	CHH	-0.0252
Gm13	15848371	15849323	Gmdrm	hypo	CHH	-0.0194
Gm13	15849399	15850021	Gmdrm	hypo	CHH	-0.0182
Gm13	15855607	15856602	Gmdrm	hypo	CHH	-0.073
Gm13	15863300	15864234	Gmdrm	hypo	CHH	-0.0682
Gm13	15875104	15876100	Gmdrm	hypo	CHH	-0.1374

Gm13	15878636	15879629	Gmdrm	hypo	CHH	-0.1131
Gm13	15884920	15885907	Gmdrm	hypo	CHH	-0.0147
Gm13	15886968	15887903	Gmdrm	hypo	CHH	-0.0248
Gm13	15899749	15900748	Gmdrm	hypo	CHH	-0.1252
Gm13	15900750	15901718	Gmdrm	hypo	CHH	-0.0187
Gm13	15903422	15904417	Gmdrm	hypo	CHH	-0.0406
Gm13	15907465	15908460	Gmdrm	hypo	CHH	-0.0653
Gm13	15908824	15909824	Gmdrm	hypo	CHH	-0.0245
Gm13	15916308	15917266	Gmdrm	hypo	CHH	-0.2339
Gm13	15917975	15918974	Gmdrm	hypo	CHH	-0.0395
Gm13	15918977	15919964	Gmdrm	hypo	CHH	-0.0513
Gm13	15919992	15920983	Gmdrm	hypo	CHH	-0.041
Gm13	15924100	15924716	Gmdrm	hypo	CHH	-0.0196
Gm13	15925873	15926871	Gmdrm	hypo	CHH	-0.0963
Gm13	15932226	15933163	Gmdrm	hypo	CHH	-0.0334
Gm13	15936434	15937019	Gmdrm	hypo	CHH	-0.0285
Gm13	15939565	15940440	Gmdrm	hypo	CHH	-0.1652
Gm13	15940550	15940734	Gmdrm	hypo	CHH	-0.0421
Gm13	15953875	15954861	Gmdrm	hypo	CHH	-0.1496
Gm13	15958924	15959922	Gmdrm	hypo	CHH	-0.0496
Gm13	15979284	15979797	Gmdrm	hypo	CHH	-0.1184
Gm13	15998039	15999028	Gmdrm	hypo	CHH	-0.101
Gm13	15999938	16000936	Gmdrm	hypo	CHH	-0.0606
Gm13	16001969	16002954	Gmdrm	hypo	CHH	-0.0287
Gm13	16002977	16003927	Gmdrm	hypo	CHH	-0.0843
Gm13	16003983	16004975	Gmdrm	hypo	CHH	-0.0726
Gm13	16005993	16006992	Gmdrm	hypo	CHH	-0.053
Gm13	16007009	16008005	Gmdrm	hypo	CHH	-0.0816
Gm13	16014580	16015578	Gmdrm	hypo	CHH	-0.0626
Gm13	16030963	16031958	Gmdrm	hypo	CHH	-0.0126
Gm13	16033093	16034092	Gmdrm	hypo	CHH	-0.1681
Gm13	16034094	16035085	Gmdrm	hypo	CHH	-0.0246
Gm13	16039149	16040131	Gmdrm	hypo	CHH	-0.0204
Gm13	16040182	16041148	Gmdrm	hypo	CHH	-0.0229
Gm13	16041689	16042460	Gmdrm	hypo	CHH	-0.0272
Gm13	16046821	16047821	Gmdrm	hypo	CHH	-0.0522
Gm13	16057777	16058569	Gmdrm	hypo	CHH	-0.0256
Gm13	16072252	16073245	Gmdrm	hypo	CHH	-0.0981
Gm13	16079864	16080836	Gmdrm	hypo	CHH	-0.017
Gm13	16081027	16082016	Gmdrm	hypo	CHH	-0.0705
Gm13	16087451	16088316	Gmdrm	hypo	CHH	-0.0172
Gm13	16098218	16099217	Gmdrm	hypo	CHH	-0.0317
Gm13	16099247	16099655	Gmdrm	hypo	CHH	-0.0347
Gm13	16107532	16107773	Gmdrm	hypo	CHH	-0.0709
Gm13	16108859	16109846	Gmdrm	hypo	CHH	-0.0259
Gm13	16121661	16122659	Gmdrm	hypo	CHH	-0.0338

Gm13	16127117	16128115	Gmdrm	hypo	CHH	-0.1236
Gm13	16137127	16138035	Gmdrm	hypo	CHH	-0.012
Gm13	16147090	16148087	Gmdrm	hypo	CHH	-0.0255
Gm13	16148095	16149092	Gmdrm	hypo	CHH	-0.0987
Gm13	16176005	16177001	Gmdrm	hypo	CHH	-0.184
Gm13	16179863	16180458	Gmdrm	hypo	CHH	-0.0336
Gm13	16180565	16181562	Gmdrm	hypo	CHH	-0.1728
Gm13	16183668	16184058	Gmdrm	hypo	CHH	-0.026
Gm13	16186005	16186997	Gmdrm	hypo	CHH	-0.08
Gm13	16187017	16188016	Gmdrm	hypo	CHH	-0.0432
Gm13	16188020	16188657	Gmdrm	hypo	CHH	-0.0769
Gm13	16198720	16199720	Gmdrm	hypo	CHH	-0.0476
Gm13	16205066	16206057	Gmdrm	hypo	CHH	-0.0969
Gm13	16212841	16213096	Gmdrm	hypo	CHH	-0.1972
Gm13	16235947	16236555	Gmdrm	hypo	CHH	-0.0434
Gm13	16236976	16237207	Gmdrm	hypo	CHH	-0.0385
Gm13	16241024	16241265	Gmdrm	hypo	CHH	-0.0356
Gm13	16255841	16256840	Gmdrm	hypo	CHH	-0.0388
Gm13	16266259	16267037	Gmdrm	hypo	CHH	-0.0243
Gm13	16267295	16267986	Gmdrm	hypo	CHH	-0.0378
Gm13	16275406	16275490	Gmdrm	hypo	CHH	-0.092
Gm13	16287211	16288211	Gmdrm	hypo	CHH	-0.065
Gm13	16288212	16288551	Gmdrm	hypo	CHH	-0.0852
Gm13	16290980	16291979	Gmdrm	hypo	CHH	-0.0667
Gm13	16294304	16295298	Gmdrm	hypo	CHH	-0.1135
Gm13	16295309	16296300	Gmdrm	hypo	CHH	-0.2359
Gm13	16299127	16300094	Gmdrm	hypo	CHH	-0.1477
Gm13	16300163	16300522	Gmdrm	hypo	CHH	-0.1042
Gm13	16300676	16301670	Gmdrm	hypo	CHH	-0.1223
Gm13	16301810	16302804	Gmdrm	hypo	CHH	-0.0194
Gm13	16307815	16308807	Gmdrm	hypo	CHH	-0.0987
Gm13	16309831	16310830	Gmdrm	hypo	CHH	-0.1071
Gm13	16312097	16313070	Gmdrm	hypo	CHH	-0.02
Gm13	16319824	16320824	Gmdrm	hypo	CHH	-0.0495
Gm13	16323856	16324854	Gmdrm	hypo	CHH	-0.2654
Gm13	16324857	16325836	Gmdrm	hypo	CHH	-0.124
Gm13	16343596	16344224	Gmdrm	hypo	CHH	-0.0276
Gm13	16360762	16361762	Gmdrm	hypo	CHH	-0.1689
Gm13	16361767	16362746	Gmdrm	hypo	CHH	-0.1723
Gm13	16362850	16363846	Gmdrm	hypo	CHH	-0.0749
Gm13	16363851	16364737	Gmdrm	hypo	CHH	-0.0475
Gm13	16388426	16389423	Gmdrm	hypo	CHH	-0.0164
Gm13	16391476	16392465	Gmdrm	hypo	CHH	-0.1473
Gm13	16392483	16393483	Gmdrm	hypo	CHH	-0.1388
Gm13	16402798	16403788	Gmdrm	hypo	CHH	-0.0462
Gm13	16419796	16420322	Gmdrm	hypo	CHH	-0.0181

Gm13	16421530	16422424	Gmdrm	hypo	CHH	-0.0209
Gm13	16428591	16429589	Gmdrm	hypo	CHH	-0.1078
Gm13	16437586	16437763	Gmdrm	hypo	CHH	-0.0333
Gm13	16442511	16443509	Gmdrm	hypo	CHH	-0.0287
Gm13	16448384	16449369	Gmdrm	hypo	CHH	-0.0184
Gm13	16449396	16449547	Gmdrm	hypo	CHH	-0.0333
Gm13	16459069	16460069	Gmdrm	hypo	CHH	-0.0857
Gm13	16460077	16461077	Gmdrm	hypo	CHH	-0.0565
Gm13	16464884	16465841	Gmdrm	hypo	CHH	-0.0269
Gm13	16466903	16467893	Gmdrm	hypo	CHH	-0.0338
Gm13	16467930	16468283	Gmdrm	hypo	CHH	-0.0486
Gm13	16474192	16475159	Gmdrm	hypo	CHH	-0.114
Gm13	16496578	16496822	Gmdrm	hypo	CHH	-0.0848
Gm13	16501227	16502217	Gmdrm	hypo	CHH	-0.0602
Gm13	16510268	16511260	Gmdrm	hypo	CHH	-0.0347
Gm13	16511280	16512161	Gmdrm	hypo	CHH	-0.0613
Gm13	16552354	16553335	Gmdrm	hypo	CHH	-0.033
Gm13	16569829	16570824	Gmdrm	hypo	CHH	-0.13
Gm13	16675489	16676486	Gmdrm	hypo	CHH	-0.0505
Gm13	16678092	16679076	Gmdrm	hypo	CHH	-0.0658
Gm13	16679106	16680083	Gmdrm	hypo	CHH	-0.0147
Gm13	16680125	16681116	Gmdrm	hypo	CHH	-0.2217
Gm13	16698802	16699801	Gmdrm	hypo	CHH	-0.0962
Gm13	16703754	16704752	Gmdrm	hypo	CHH	-0.0502
Gm13	16704762	16705579	Gmdrm	hypo	CHH	-0.0471
Gm13	16708279	16709279	Gmdrm	hypo	CHH	-0.0217
Gm13	16710507	16711455	Gmdrm	hypo	CHH	-0.0317
Gm13	16715315	16716272	Gmdrm	hypo	CHH	-0.0471
Gm13	16718252	16719233	Gmdrm	hypo	CHH	-0.0604
Gm13	16736685	16737677	Gmdrm	hypo	CHH	-0.1759
Gm13	16796539	16797539	Gmdrm	hypo	CHH	-0.0422
Gm13	16797544	16798409	Gmdrm	hypo	CHH	-0.0194
Gm13	16799018	16799475	Gmdrm	hypo	CHH	-0.0319
Gm13	16820871	16821803	Gmdrm	hypo	CHH	-0.0271
Gm13	16823114	16824110	Gmdrm	hypo	CHH	-0.1391
Gm13	16846810	16847805	Gmdrm	hypo	CHH	-0.0302
Gm13	16852931	16853929	Gmdrm	hypo	CHH	-0.0179
Gm13	16853932	16854865	Gmdrm	hypo	CHH	-0.0319
Gm13	16865965	16866247	Gmdrm	hypo	CHH	-0.0628
Gm13	16880727	16881726	Gmdrm	hypo	CHH	-0.054
Gm13	16897672	16898291	Gmdrm	hypo	CHH	-0.0196
Gm13	16901419	16902397	Gmdrm	hypo	CHH	-0.0327
Gm13	16902443	16903083	Gmdrm	hypo	CHH	-0.0234
Gm13	16923605	16924605	Gmdrm	hypo	CHH	-0.0372
Gm13	16929928	16930368	Gmdrm	hypo	CHH	-0.0608
Gm13	16995523	16996520	Gmdrm	hypo	CHH	-0.0217

Gm13	17042936	17043920	Gmdrm	hypo	CHH	-0.0807
Gm13	17044979	17045754	Gmdrm	hypo	CHH	-0.0187
Gm13	17049378	17050378	Gmdrm	hypo	CHH	-0.1584
Gm13	17050380	17051375	Gmdrm	hypo	CHH	-0.078
Gm13	17059916	17060901	Gmdrm	hypo	CHH	-0.0173
Gm13	17074260	17075220	Gmdrm	hypo	CHH	-0.0129
Gm13	17092785	17093701	Gmdrm	hypo	CHH	-0.0473
Gm13	17103031	17104031	Gmdrm	hypo	CHH	-0.0513
Gm13	17106115	17107103	Gmdrm	hypo	CHH	-0.0414
Gm13	17107120	17108107	Gmdrm	hypo	CHH	-0.0695
Gm13	17143536	17144503	Gmdrm	hypo	CHH	-0.0396
Gm13	17146749	17147706	Gmdrm	hypo	CHH	-0.0411
Gm13	17154852	17155852	Gmdrm	hypo	CHH	-0.0139
Gm13	17157255	17157417	Gmdrm	hypo	CHH	-0.0229
Gm13	17175782	17176781	Gmdrm	hypo	CHH	-0.0877
Gm13	17202286	17203278	Gmdrm	hypo	CHH	-0.0394
Gm13	17223478	17224439	Gmdrm	hypo	CHH	-0.0554
Gm13	17224620	17224905	Gmdrm	hypo	CHH	-0.0781
Gm13	17236326	17237326	Gmdrm	hypo	CHH	-0.0387
Gm13	17244414	17245358	Gmdrm	hypo	CHH	-0.0869
Gm13	17245419	17246418	Gmdrm	hypo	CHH	-0.0815
Gm13	17246421	17246890	Gmdrm	hypo	CHH	-0.0557
Gm13	17252492	17253475	Gmdrm	hypo	CHH	-0.115
Gm13	17271447	17271916	Gmdrm	hypo	CHH	-0.0666
Gm13	17272113	17273107	Gmdrm	hypo	CHH	-0.0502
Gm13	17302465	17303449	Gmdrm	hypo	CHH	-0.0318
Gm13	17307023	17308023	Gmdrm	hypo	CHH	-0.04
Gm13	17332454	17332671	Gmdrm	hypo	CHH	-0.0423
Gm13	17338788	17339785	Gmdrm	hypo	CHH	-0.0389
Gm13	17353622	17354613	Gmdrm	hypo	CHH	-0.0236
Gm13	17356669	17357243	Gmdrm	hypo	CHH	-0.018
Gm13	17376593	17377588	Gmdrm	hypo	CHH	-0.0162
Gm13	17399157	17400145	Gmdrm	hypo	CHH	-0.0716
Gm13	17403210	17404201	Gmdrm	hypo	CHH	-0.0575
Gm13	17404221	17405220	Gmdrm	hypo	CHH	-0.0864
Gm13	17405426	17406412	Gmdrm	hypo	CHH	-0.0267
Gm13	17429940	17430912	Gmdrm	hypo	CHH	-0.0529
Gm13	17430949	17431948	Gmdrm	hypo	CHH	-0.0767
Gm13	17432970	17433969	Gmdrm	hypo	CHH	-0.0454
Gm13	17452362	17453339	Gmdrm	hypo	CHH	-0.0533
Gm13	17453366	17453699	Gmdrm	hypo	CHH	-0.0495
Gm13	17460906	17461099	Gmdrm	hypo	CHH	-0.0533
Gm13	17461219	17462208	Gmdrm	hypo	CHH	-0.1207
Gm13	17484694	17485679	Gmdrm	hypo	CHH	-0.0192
Gm13	17511151	17512127	Gmdrm	hypo	CHH	-0.0173
Gm13	17531408	17532405	Gmdrm	hypo	CHH	-0.0194

Gm13	17563761	17564732	Gmdrm	hypo	CHH	-0.1968
Gm13	17568800	17569789	Gmdrm	hypo	CHH	-0.0572
Gm13	17570256	17571255	Gmdrm	hypo	CHH	-0.0237
Gm13	17573316	17574316	Gmdrm	hypo	CHH	-0.0306
Gm13	17574328	17575328	Gmdrm	hypo	CHH	-0.0215
Gm13	17581412	17582409	Gmdrm	hypo	CHH	-0.2366
Gm13	17582414	17583094	Gmdrm	hypo	CHH	-0.091
Gm13	17587508	17588505	Gmdrm	hypo	CHH	-0.0337
Gm13	17602269	17603208	Gmdrm	hypo	CHH	-0.061
Gm13	17614665	17615659	Gmdrm	hypo	CHH	-0.0885
Gm13	17615672	17616670	Gmdrm	hypo	CHH	-0.0806
Gm13	17616676	17617660	Gmdrm	hypo	CHH	-0.0687
Gm13	17617713	17618713	Gmdrm	hypo	CHH	-0.0206
Gm13	17618715	17619320	Gmdrm	hypo	CHH	-0.0166
Gm13	17640378	17640930	Gmdrm	hypo	CHH	-0.019
Gm13	17645086	17646086	Gmdrm	hypo	CHH	-0.0697
Gm13	17653326	17654323	Gmdrm	hypo	CHH	-0.0227
Gm13	17656570	17657562	Gmdrm	hypo	CHH	-0.017
Gm13	17657581	17658578	Gmdrm	hypo	CHH	-0.0577
Gm13	17659648	17660648	Gmdrm	hypo	CHH	-0.0374
Gm13	17660673	17661668	Gmdrm	hypo	CHH	-0.0927
Gm13	17661676	17662676	Gmdrm	hypo	CHH	-0.0847
Gm13	17673884	17674882	Gmdrm	hypo	CHH	-0.0475
Gm13	17678829	17679779	Gmdrm	hypo	CHH	-0.0123
Gm13	17688704	17689521	Gmdrm	hypo	CHH	-0.0464
Gm13	17694752	17695742	Gmdrm	hypo	CHH	-0.03
Gm13	17696994	17697973	Gmdrm	hypo	CHH	-0.0707
Gm13	17698001	17698431	Gmdrm	hypo	CHH	-0.0382
Gm13	17706978	17707964	Gmdrm	hypo	CHH	-0.0153
Gm13	17710325	17711138	Gmdrm	hypo	CHH	-0.0196
Gm13	17730273	17731256	Gmdrm	hypo	CHH	-0.0121
Gm13	17733308	17734306	Gmdrm	hypo	CHH	-0.0264
Gm13	17736247	17737243	Gmdrm	hypo	CHH	-0.162
Gm13	17737248	17738236	Gmdrm	hypo	CHH	-0.131
Gm13	17742110	17743099	Gmdrm	hypo	CHH	-0.0116
Gm13	17743112	17744108	Gmdrm	hypo	CHH	-0.0704
Gm13	17748159	17749159	Gmdrm	hypo	CHH	-0.0242
Gm13	17767075	17768074	Gmdrm	hypo	CHH	-0.0404
Gm13	17768081	17769019	Gmdrm	hypo	CHH	-0.0614
Gm13	17769273	17770243	Gmdrm	hypo	CHH	-0.0915
Gm13	17883438	17884012	Gmdrm	hypo	CHH	-0.0243
Gm13	17884627	17885301	Gmdrm	hypo	CHH	-0.0326
Gm13	17889427	17890421	Gmdrm	hypo	CHH	-0.0271
Gm13	17900006	17901005	Gmdrm	hypo	CHH	-0.0424
Gm13	17901009	17901712	Gmdrm	hypo	CHH	-0.0595
Gm13	17906160	17907096	Gmdrm	hypo	CHH	-0.0158

Gm13	17907181	17907315	Gmdrm	hypo	CHH	-0.0256
Gm13	17914529	17915523	Gmdrm	hypo	CHH	-0.073
Gm13	17916555	17917522	Gmdrm	hypo	CHH	-0.0649
Gm13	17922034	17923030	Gmdrm	hypo	CHH	-0.1031
Gm13	17927066	17928058	Gmdrm	hypo	CHH	-0.0379
Gm13	17929088	17930085	Gmdrm	hypo	CHH	-0.0529
Gm13	17963814	17964746	Gmdrm	hypo	CHH	-0.0405
Gm13	17965942	17966898	Gmdrm	hypo	CHH	-0.0417
Gm13	17966981	17967974	Gmdrm	hypo	CHH	-0.0212
Gm13	17983497	17984493	Gmdrm	hypo	CHH	-0.2796
Gm13	17984499	17985495	Gmdrm	hypo	CHH	-0.1174
Gm13	18026733	18027729	Gmdrm	hypo	CHH	-0.0281
Gm13	18068289	18068432	Gmdrm	hypo	CHH	-0.0287
Gm13	18076740	18077735	Gmdrm	hypo	CHH	-0.0126
Gm13	18078852	18079848	Gmdrm	hypo	CHH	-0.1185
Gm13	18079865	18080865	Gmdrm	hypo	CHH	-0.1317
Gm13	18080870	18081832	Gmdrm	hypo	CHH	-0.0762
Gm13	18100501	18101501	Gmdrm	hypo	CHH	-0.0466
Gm13	18104546	18105501	Gmdrm	hypo	CHH	-0.0425
Gm13	18105552	18106542	Gmdrm	hypo	CHH	-0.0335
Gm13	18130487	18131484	Gmdrm	hypo	CHH	-0.05
Gm13	18138896	18139863	Gmdrm	hypo	CHH	-0.0338
Gm13	18144993	18145988	Gmdrm	hypo	CHH	-0.0433
Gm13	18146003	18146982	Gmdrm	hypo	CHH	-0.1561
Gm13	18147011	18147998	Gmdrm	hypo	CHH	-0.0153
Gm13	18169824	18170805	Gmdrm	hypo	CHH	-0.0325
Gm13	18179189	18180186	Gmdrm	hypo	CHH	-0.0529
Gm13	18180200	18180846	Gmdrm	hypo	CHH	-0.0248
Gm13	18183247	18184227	Gmdrm	hypo	CHH	-0.0115
Gm13	18221460	18222460	Gmdrm	hypo	CHH	-0.0419
Gm13	18222461	18223461	Gmdrm	hypo	CHH	-0.0488
Gm13	18226565	18227560	Gmdrm	hypo	CHH	-0.0124
Gm13	18228438	18229404	Gmdrm	hypo	CHH	-0.0181
Gm13	18229839	18230832	Gmdrm	hypo	CHH	-0.0391
Gm13	18230846	18231147	Gmdrm	hypo	CHH	-0.1125
Gm13	18231479	18232463	Gmdrm	hypo	CHH	-0.0448
Gm13	18233500	18234487	Gmdrm	hypo	CHH	-0.052
Gm13	18251271	18252270	Gmdrm	hypo	CHH	-0.0237
Gm13	18255997	18256993	Gmdrm	hypo	CHH	-0.0785
Gm13	18256998	18257980	Gmdrm	hypo	CHH	-0.0775
Gm13	18258024	18259020	Gmdrm	hypo	CHH	-0.0374
Gm13	18266009	18267002	Gmdrm	hypo	CHH	-0.0266
Gm13	18276882	18277882	Gmdrm	hypo	CHH	-0.1576
Gm13	18284634	18285199	Gmdrm	hypo	CHH	-0.2142
Gm13	18294361	18295354	Gmdrm	hypo	CHH	-0.0201
Gm13	18311906	18312880	Gmdrm	hypo	CHH	-0.0789

Gm13	18319822	18320810	Gmdrm	hypo	CHH	-0.0895
Gm13	18320824	18321817	Gmdrm	hypo	CHH	-0.0125
Gm13	18323839	18324168	Gmdrm	hypo	CHH	-0.0276
Gm13	18328694	18329691	Gmdrm	hypo	CHH	-0.0202
Gm13	18330730	18331725	Gmdrm	hypo	CHH	-0.0842
Gm13	18331749	18332744	Gmdrm	hypo	CHH	-0.0233
Gm13	18332754	18333740	Gmdrm	hypo	CHH	-0.0291
Gm13	18337095	18338055	Gmdrm	hypo	CHH	-0.0203
Gm13	18342881	18343804	Gmdrm	hypo	CHH	-0.0294
Gm13	18343922	18344914	Gmdrm	hypo	CHH	-0.0648
Gm13	18347008	18347993	Gmdrm	hypo	CHH	-0.0747
Gm13	18349022	18349276	Gmdrm	hypo	CHH	-0.0226
Gm13	18371887	18372877	Gmdrm	hypo	CHH	-0.0125
Gm13	18383975	18384971	Gmdrm	hypo	CHH	-0.0554
Gm13	18384976	18385829	Gmdrm	hypo	CHH	-0.0402
Gm13	18387512	18388503	Gmdrm	hypo	CHH	-0.0209
Gm13	18390566	18391537	Gmdrm	hypo	CHH	-0.0226
Gm13	18396738	18397375	Gmdrm	hypo	CHH	-0.0371
Gm13	18397485	18398485	Gmdrm	hypo	CHH	-0.0397
Gm13	18399509	18400498	Gmdrm	hypo	CHH	-0.0374
Gm13	18421148	18421499	Gmdrm	hypo	CHH	-0.1188
Gm13	18421610	18422606	Gmdrm	hypo	CHH	-0.1196
Gm13	18449378	18450369	Gmdrm	hypo	CHH	-0.076
Gm13	18450385	18450887	Gmdrm	hypo	CHH	-0.0312
Gm13	18457181	18457924	Gmdrm	hypo	CHH	-0.0297
Gm13	18464890	18465862	Gmdrm	hypo	CHH	-0.0279
Gm13	18465893	18466862	Gmdrm	hypo	CHH	-0.0465
Gm13	18475055	18476033	Gmdrm	hypo	CHH	-0.0184
Gm13	18479485	18480479	Gmdrm	hypo	CHH	-0.0349
Gm13	18490518	18490859	Gmdrm	hypo	CHH	-0.0433
Gm13	18500772	18501763	Gmdrm	hypo	CHH	-0.0115
Gm13	18502799	18503796	Gmdrm	hypo	CHH	-0.0637
Gm13	18508589	18509587	Gmdrm	hypo	CHH	-0.0264
Gm13	18513628	18514620	Gmdrm	hypo	CHH	-0.0143
Gm13	18514629	18515619	Gmdrm	hypo	CHH	-0.0197
Gm13	18519221	18520215	Gmdrm	hypo	CHH	-0.0567
Gm13	18539348	18539830	Gmdrm	hypo	CHH	-0.1005
Gm13	18545445	18546445	Gmdrm	hypo	CHH	-0.0254
Gm13	18564440	18565429	Gmdrm	hypo	CHH	-0.0521
Gm13	18566447	18567428	Gmdrm	hypo	CHH	-0.0175
Gm13	18568571	18569561	Gmdrm	hypo	CHH	-0.0903
Gm13	18569573	18570570	Gmdrm	hypo	CHH	-0.1601
Gm13	18576410	18577392	Gmdrm	hypo	CHH	-0.0394
Gm13	18578422	18579421	Gmdrm	hypo	CHH	-0.1878
Gm13	18579424	18580407	Gmdrm	hypo	CHH	-0.0228
Gm13	18588589	18589587	Gmdrm	hypo	CHH	-0.1139

Gm13	18600044	18601036	Gmdrm	hypo	CHH	-0.1447
Gm13	18601529	18602528	Gmdrm	hypo	CHH	-0.024
Gm13	18606650	18607647	Gmdrm	hypo	CHH	-0.1871
Gm13	18611303	18612282	Gmdrm	hypo	CHH	-0.0644
Gm13	18639620	18640620	Gmdrm	hypo	CHH	-0.0295
Gm13	18646532	18647412	Gmdrm	hypo	CHH	-0.2132
Gm13	18651052	18652050	Gmdrm	hypo	CHH	-0.0817
Gm13	18652080	18653050	Gmdrm	hypo	CHH	-0.2214
Gm13	18655132	18656114	Gmdrm	hypo	CHH	-0.0134
Gm13	18656177	18657173	Gmdrm	hypo	CHH	-0.0482
Gm13	18657183	18657590	Gmdrm	hypo	CHH	-0.1651
Gm13	18658612	18659609	Gmdrm	hypo	CHH	-0.029
Gm13	18664343	18665327	Gmdrm	hypo	CHH	-0.0572
Gm13	18665419	18666413	Gmdrm	hypo	CHH	-0.0573
Gm13	18671200	18672174	Gmdrm	hypo	CHH	-0.0322
Gm13	18672210	18672744	Gmdrm	hypo	CHH	-0.0226
Gm13	18674943	18675938	Gmdrm	hypo	CHH	-0.0727
Gm13	18675944	18676904	Gmdrm	hypo	CHH	-0.055
Gm13	18677808	18678317	Gmdrm	hypo	CHH	-0.0527
Gm13	18683178	18684150	Gmdrm	hypo	CHH	-0.0122
Gm13	18722908	18723906	Gmdrm	hypo	CHH	-0.0336
Gm13	18729411	18729492	Gmdrm	hypo	CHH	-0.0784
Gm13	18730674	18731670	Gmdrm	hypo	CHH	-0.0391
Gm13	18731698	18732678	Gmdrm	hypo	CHH	-0.011
Gm13	18736533	18737521	Gmdrm	hypo	CHH	-0.0224
Gm13	18758704	18759697	Gmdrm	hypo	CHH	-0.0305
Gm13	18789144	18790130	Gmdrm	hypo	CHH	-0.0288
Gm13	18794206	18795201	Gmdrm	hypo	CHH	-0.0646
Gm13	18805354	18805956	Gmdrm	hypo	CHH	-0.026
Gm13	18806321	18807287	Gmdrm	hypo	CHH	-0.02
Gm13	18828282	18829275	Gmdrm	hypo	CHH	-0.1031
Gm13	18829286	18830286	Gmdrm	hypo	CHH	-0.0335
Gm13	18830293	18831292	Gmdrm	hypo	CHH	-0.0297
Gm13	18831301	18832271	Gmdrm	hypo	CHH	-0.0225
Gm13	18836857	18837845	Gmdrm	hypo	CHH	-0.0226
Gm13	18843458	18844109	Gmdrm	hypo	CHH	-0.0637
Gm13	18844454	18845444	Gmdrm	hypo	CHH	-0.0911
Gm13	18845461	18846271	Gmdrm	hypo	CHH	-0.0345
Gm13	18858266	18859254	Gmdrm	hypo	CHH	-0.0104
Gm13	18859274	18860268	Gmdrm	hypo	CHH	-0.0225
Gm13	18860278	18861024	Gmdrm	hypo	CHH	-0.0191
Gm13	18861527	18861937	Gmdrm	hypo	CHH	-0.0225
Gm13	18875913	18876905	Gmdrm	hypo	CHH	-0.017
Gm13	18888942	18889921	Gmdrm	hypo	CHH	-0.0277
Gm13	18889972	18890965	Gmdrm	hypo	CHH	-0.0234
Gm13	18890973	18891971	Gmdrm	hypo	CHH	-0.0224

Gm13	18900010	18900992	Gmdrm	hypo	CHH	-0.0823
Gm13	18901017	18901226	Gmdrm	hypo	CHH	-0.1921
Gm13	18910131	18911129	Gmdrm	hypo	CHH	-0.0654
Gm13	18911134	18912133	Gmdrm	hypo	CHH	-0.0309
Gm13	18912136	18913131	Gmdrm	hypo	CHH	-0.0268
Gm13	18915215	18915820	Gmdrm	hypo	CHH	-0.0374
Gm13	18922185	18923168	Gmdrm	hypo	CHH	-0.0152
Gm13	18924202	18925190	Gmdrm	hypo	CHH	-0.0159
Gm13	18932146	18933133	Gmdrm	hypo	CHH	-0.0371
Gm13	18938621	18939613	Gmdrm	hypo	CHH	-0.0552
Gm13	18939633	18939982	Gmdrm	hypo	CHH	-0.0205
Gm13	18940313	18941306	Gmdrm	hypo	CHH	-0.0774
Gm13	18947637	18948622	Gmdrm	hypo	CHH	-0.0579
Gm13	18955118	18956107	Gmdrm	hypo	CHH	-0.0412
Gm13	18962161	18963161	Gmdrm	hypo	CHH	-0.0269
Gm13	18966574	18967564	Gmdrm	hypo	CHH	-0.0687
Gm13	18985672	18986180	Gmdrm	hypo	CHH	-0.0416
Gm13	18989372	18990369	Gmdrm	hypo	CHH	-0.0768
Gm13	18997110	18998110	Gmdrm	hypo	CHH	-0.0361
Gm13	18998121	18999065	Gmdrm	hypo	CHH	-0.0506
Gm13	19005907	19006905	Gmdrm	hypo	CHH	-0.0302
Gm13	19006915	19007865	Gmdrm	hypo	CHH	-0.0534
Gm13	19007969	19008959	Gmdrm	hypo	CHH	-0.0195
Gm13	19008975	19009947	Gmdrm	hypo	CHH	-0.0202
Gm13	19011190	19012179	Gmdrm	hypo	CHH	-0.3102
Gm13	19018226	19019226	Gmdrm	hypo	CHH	-0.0469
Gm13	19021826	19022773	Gmdrm	hypo	CHH	-0.0207
Gm13	19024855	19025846	Gmdrm	hypo	CHH	-0.0471
Gm13	19027903	19028901	Gmdrm	hypo	CHH	-0.0446
Gm13	19044597	19045573	Gmdrm	hypo	CHH	-0.0541
Gm13	19052686	19053269	Gmdrm	hypo	CHH	-0.1663
Gm13	19055603	19056161	Gmdrm	hypo	CHH	-0.1032
Gm13	19056649	19057642	Gmdrm	hypo	CHH	-0.0195
Gm13	19060649	19061647	Gmdrm	hypo	CHH	-0.0243
Gm13	19062147	19063122	Gmdrm	hypo	CHH	-0.0162
Gm13	19090230	19090348	Gmdrm	hypo	CHH	-0.049
Gm13	19094212	19095197	Gmdrm	hypo	CHH	-0.0618
Gm13	19116476	19116740	Gmdrm	hypo	CHH	-0.055
Gm13	19121292	19122281	Gmdrm	hypo	CHH	-0.0172
Gm13	19122293	19123271	Gmdrm	hypo	CHH	-0.0348
Gm13	19133717	19134661	Gmdrm	hypo	CHH	-0.0167
Gm13	19134724	19135193	Gmdrm	hypo	CHH	-0.0177
Gm13	19136309	19137302	Gmdrm	hypo	CHH	-0.0935
Gm13	19148379	19149377	Gmdrm	hypo	CHH	-0.0377
Gm13	19150424	19151410	Gmdrm	hypo	CHH	-0.0657
Gm13	19159190	19159621	Gmdrm	hypo	CHH	-0.07

Gm13	19161107	19162107 Gmdrm	hypo	CHH	-0.036
Gm13	19162111	19163106 Gmdrm	hypo	CHH	-0.0396
Gm13	19164324	19165307 Gmdrm	hypo	CHH	-0.0502
Gm13	19165339	19165779 Gmdrm	hypo	CHH	-0.1367
Gm13	19168867	19169858 Gmdrm	hypo	CHH	-0.1585
Gm13	19192769	19193766 Gmdrm	hypo	CHH	-0.0207
Gm13	19211221	19212217 Gmdrm	hypo	CHH	-0.0414
Gm13	19212234	19213226 Gmdrm	hypo	CHH	-0.0813
Gm13	19259338	19260293 Gmdrm	hypo	CHH	-0.0147
Gm13	19267793	19268759 Gmdrm	hypo	CHH	-0.0266
Gm13	19278852	19279850 Gmdrm	hypo	CHH	-0.0622
Gm13	19279858	19280856 Gmdrm	hypo	CHH	-0.0442
Gm13	19280859	19281843 Gmdrm	hypo	CHH	-0.0706
Gm13	19294276	19295266 Gmdrm	hypo	CHH	-0.0234
Gm13	19326495	19327495 Gmdrm	hypo	CHH	-0.0414
Gm13	19362937	19363901 Gmdrm	hypo	CHH	-0.0117
Gm13	19367071	19367659 Gmdrm	hypo	CHH	-0.0494
Gm13	19383732	19384702 Gmdrm	hypo	CHH	-0.0148
Gm13	19407990	19408989 Gmdrm	hypo	CHH	-0.0537
Gm13	19419498	19420426 Gmdrm	hypo	CHH	-0.0544
Gm13	19424260	19425257 Gmdrm	hypo	CHH	-0.0977
Gm13	19425262	19426262 Gmdrm	hypo	CHH	-0.079
Gm13	19426265	19427265 Gmdrm	hypo	CHH	-0.0514
Gm13	19427279	19428243 Gmdrm	hypo	CHH	-0.0198
Gm13	19430332	19431324 Gmdrm	hypo	CHH	-0.0692
Gm13	19431333	19432182 Gmdrm	hypo	CHH	-0.2109
Gm13	19434847	19435225 Gmdrm	hypo	CHH	-0.05
Gm13	19440353	19440592 Gmdrm	hypo	CHH	-0.0683
Gm13	19441906	19442888 Gmdrm	hypo	CHH	-0.0599
Gm13	19442914	19443572 Gmdrm	hypo	CHH	-0.054
Gm13	19451615	19452606 Gmdrm	hypo	CHH	-0.0668
Gm13	19452629	19453629 Gmdrm	hypo	CHH	-0.1319
Gm13	19453669	19454017 Gmdrm	hypo	CHH	-0.0392
Gm13	19454136	19455110 Gmdrm	hypo	CHH	-0.0421
Gm13	19455916	19456913 Gmdrm	hypo	CHH	-0.0453
Gm13	19459010	19460001 Gmdrm	hypo	CHH	-0.0355
Gm13	19472465	19473451 Gmdrm	hypo	CHH	-0.2424
Gm13	19473472	19474212 Gmdrm	hypo	CHH	-0.0183
Gm13	19479130	19480128 Gmdrm	hypo	CHH	-0.0173
Gm13	19493592	19494569 Gmdrm	hypo	CHH	-0.016
Gm13	19494598	19495068 Gmdrm	hypo	CHH	-0.0381
Gm13	19495177	19496169 Gmdrm	hypo	CHH	-0.018
Gm13	19523703	19524160 Gmdrm	hypo	CHH	-0.0295
Gm13	19535490	19536453 Gmdrm	hypo	CHH	-0.0173
Gm13	19538928	19539912 Gmdrm	hypo	CHH	-0.0174
Gm13	19550796	19551772 Gmdrm	hypo	CHH	-0.0218

Gm13	19551925	19552905	Gmdrm	hypo	CHH	-0.0207
Gm13	19552929	19553928	Gmdrm	hypo	CHH	-0.0421
Gm13	19583475	19584465	Gmdrm	hypo	CHH	-0.0207
Gm13	19592412	19593400	Gmdrm	hypo	CHH	-0.0278
Gm13	19599830	19600066	Gmdrm	hypo	CHH	-0.033
Gm13	19606602	19607588	Gmdrm	hypo	CHH	-0.1207
Gm13	19623415	19624407	Gmdrm	hypo	CHH	-0.0235
Gm13	19624421	19625383	Gmdrm	hypo	CHH	-0.1025
Gm13	19630515	19631513	Gmdrm	hypo	CHH	-0.1302
Gm13	19631516	19632495	Gmdrm	hypo	CHH	-0.0555
Gm13	19637005	19637984	Gmdrm	hypo	CHH	-0.1269
Gm13	19640044	19640982	Gmdrm	hypo	CHH	-0.0705
Gm13	19641562	19642550	Gmdrm	hypo	CHH	-0.0251
Gm13	19642586	19643585	Gmdrm	hypo	CHH	-0.0145
Gm13	19650109	19651060	Gmdrm	hypo	CHH	-0.0149
Gm13	19663413	19664385	Gmdrm	hypo	CHH	-0.0375
Gm13	19665883	19666883	Gmdrm	hypo	CHH	-0.0106
Gm13	19666887	19667877	Gmdrm	hypo	CHH	-0.0108
Gm13	19706862	19707856	Gmdrm	hypo	CHH	-0.0164
Gm13	19714804	19715788	Gmdrm	hypo	CHH	-0.0139
Gm13	19730853	19731853	Gmdrm	hypo	CHH	-0.0701
Gm13	19731864	19732858	Gmdrm	hypo	CHH	-0.0973
Gm13	19733872	19734834	Gmdrm	hypo	CHH	-0.0476
Gm13	19736177	19737174	Gmdrm	hypo	CHH	-0.0158
Gm13	19749308	19749952	Gmdrm	hypo	CHH	-0.0649
Gm13	19752706	19753561	Gmdrm	hypo	CHH	-0.063
Gm13	19755472	19756435	Gmdrm	hypo	CHH	-0.074
Gm13	19760533	19761527	Gmdrm	hypo	CHH	-0.03
Gm13	19761537	19762513	Gmdrm	hypo	CHH	-0.1305
Gm13	19773559	19774470	Gmdrm	hypo	CHH	-0.0266
Gm13	19774988	19775106	Gmdrm	hypo	CHH	-0.062
Gm13	19783685	19784678	Gmdrm	hypo	CHH	-0.1015
Gm13	19784696	19785689	Gmdrm	hypo	CHH	-0.0599
Gm13	19798145	19799125	Gmdrm	hypo	CHH	-0.0114
Gm13	19800483	19801469	Gmdrm	hypo	CHH	-0.0162
Gm13	19802517	19803496	Gmdrm	hypo	CHH	-0.4807
Gm13	19809020	19810020	Gmdrm	hypo	CHH	-0.0708
Gm13	19818643	19819621	Gmdrm	hypo	CHH	-0.0787
Gm13	19819664	19820491	Gmdrm	hypo	CHH	-0.0349
Gm13	19830502	19831453	Gmdrm	hypo	CHH	-0.0345
Gm13	19845162	19846161	Gmdrm	hypo	CHH	-0.021
Gm13	19846172	19847156	Gmdrm	hypo	CHH	-0.0604
Gm13	19847178	19848172	Gmdrm	hypo	CHH	-0.1126
Gm13	19848188	19849188	Gmdrm	hypo	CHH	-0.0797
Gm13	19856496	19857492	Gmdrm	hypo	CHH	-0.0348
Gm13	19861216	19862205	Gmdrm	hypo	CHH	-0.0946

Gm13	19863246	19864241	Gmdrm	hypo	CHH	-0.1414
Gm13	19864248	19865248	Gmdrm	hypo	CHH	-0.139
Gm13	19865255	19866240	Gmdrm	hypo	CHH	-0.0545
Gm13	19866256	19867229	Gmdrm	hypo	CHH	-0.1036
Gm13	19873265	19874230	Gmdrm	hypo	CHH	-0.0852
Gm13	19883160	19884152	Gmdrm	hypo	CHH	-0.1649
Gm13	19891430	19892417	Gmdrm	hypo	CHH	-0.0105
Gm13	19894116	19895108	Gmdrm	hypo	CHH	-0.0994
Gm13	19895136	19895855	Gmdrm	hypo	CHH	-0.0268
Gm13	19904069	19905038	Gmdrm	hypo	CHH	-0.143
Gm13	19907097	19908096	Gmdrm	hypo	CHH	-0.065
Gm13	19908107	19909104	Gmdrm	hypo	CHH	-0.0362
Gm13	19920973	19921971	Gmdrm	hypo	CHH	-0.3739
Gm13	19921978	19922976	Gmdrm	hypo	CHH	-0.2475
Gm13	19922979	19923834	Gmdrm	hypo	CHH	-0.1091
Gm13	19932637	19933629	Gmdrm	hypo	CHH	-0.019
Gm13	19933640	19934638	Gmdrm	hypo	CHH	-0.0382
Gm13	19937655	19938160	Gmdrm	hypo	CHH	-0.0847
Gm13	19939582	19940581	Gmdrm	hypo	CHH	-0.0152
Gm13	19947146	19948089	Gmdrm	hypo	CHH	-0.0196
Gm13	19957377	19958373	Gmdrm	hypo	CHH	-0.1036
Gm13	19961174	19962169	Gmdrm	hypo	CHH	-0.1793
Gm13	19962175	19963161	Gmdrm	hypo	CHH	-0.0386
Gm13	19966756	19967746	Gmdrm	hypo	CHH	-0.0279
Gm13	19967775	19968425	Gmdrm	hypo	CHH	-0.0317
Gm13	19970536	19971182	Gmdrm	hypo	CHH	-0.0154
Gm13	19974436	19975407	Gmdrm	hypo	CHH	-0.0115
Gm13	19980140	19981139	Gmdrm	hypo	CHH	-0.0297
Gm13	19981165	19982003	Gmdrm	hypo	CHH	-0.1075
Gm13	19983125	19984087	Gmdrm	hypo	CHH	-0.0197
Gm13	19989707	19990661	Gmdrm	hypo	CHH	-0.0161
Gm13	19994828	19995807	Gmdrm	hypo	CHH	-0.3246
Gm13	19995841	19996790	Gmdrm	hypo	CHH	-0.0941
Gm13	20005575	20006538	Gmdrm	hypo	CHH	-0.2846
Gm13	20022325	20023102	Gmdrm	hypo	CHH	-0.0202
Gm13	20032701	20033698	Gmdrm	hypo	CHH	-0.0553
Gm13	20034578	20035568	Gmdrm	hypo	CHH	-0.019
Gm13	20041875	20042864	Gmdrm	hypo	CHH	-0.0123
Gm13	20045529	20045858	Gmdrm	hypo	CHH	-0.3747
Gm13	20046313	20047304	Gmdrm	hypo	CHH	-0.0625
Gm13	20047327	20048327	Gmdrm	hypo	CHH	-0.0616
Gm13	20048332	20049331	Gmdrm	hypo	CHH	-0.1576
Gm13	20049337	20050330	Gmdrm	hypo	CHH	-0.0212
Gm13	20050346	20051345	Gmdrm	hypo	CHH	-0.1056
Gm13	20051358	20052317	Gmdrm	hypo	CHH	-0.2008
Gm13	20052367	20053361	Gmdrm	hypo	CHH	-0.0995

Gm13	20054385	20055380	Gmdrm	hypo	CHH	-0.0121
Gm13	20055394	20056394	Gmdrm	hypo	CHH	-0.0532
Gm13	20061904	20062875	Gmdrm	hypo	CHH	-0.0535
Gm13	20065982	20066773	Gmdrm	hypo	CHH	-0.0266
Gm13	20075569	20076529	Gmdrm	hypo	CHH	-0.0927
Gm13	20079574	20080568	Gmdrm	hypo	CHH	-0.0137
Gm13	20081912	20082901	Gmdrm	hypo	CHH	-0.0737
Gm13	20082919	20083898	Gmdrm	hypo	CHH	-0.0493
Gm13	20091862	20092858	Gmdrm	hypo	CHH	-0.1429
Gm13	20092868	20093868	Gmdrm	hypo	CHH	-0.1167
Gm13	20094885	20095881	Gmdrm	hypo	CHH	-0.1093
Gm13	20095894	20096891	Gmdrm	hypo	CHH	-0.0903
Gm13	20097833	20098290	Gmdrm	hypo	CHH	-0.1029
Gm13	20098398	20099383	Gmdrm	hypo	CHH	-0.1847
Gm13	20104526	20105526	Gmdrm	hypo	CHH	-0.0186
Gm13	20105529	20106520	Gmdrm	hypo	CHH	-0.0631
Gm13	20115562	20116562	Gmdrm	hypo	CHH	-0.0151
Gm13	20119622	20120267	Gmdrm	hypo	CHH	-0.02
Gm13	20132464	20133085	Gmdrm	hypo	CHH	-0.1572
Gm13	20133406	20134399	Gmdrm	hypo	CHH	-0.1096
Gm13	20134407	20135398	Gmdrm	hypo	CHH	-0.0683
Gm13	20140129	20141092	Gmdrm	hypo	CHH	-0.1055
Gm13	20141147	20142102	Gmdrm	hypo	CHH	-0.0135
Gm13	20151247	20152229	Gmdrm	hypo	CHH	-0.0165
Gm13	20153285	20154047	Gmdrm	hypo	CHH	-0.0765
Gm13	20183966	20184963	Gmdrm	hypo	CHH	-0.0217
Gm13	20187129	20188111	Gmdrm	hypo	CHH	-0.0166
Gm13	20189681	20190651	Gmdrm	hypo	CHH	-0.0244
Gm13	20199789	20200770	Gmdrm	hypo	CHH	-0.0478
Gm13	20205326	20206234	Gmdrm	hypo	CHH	-0.024
Gm13	20206549	20207495	Gmdrm	hypo	CHH	-0.1522
Gm13	20219534	20220527	Gmdrm	hypo	CHH	-0.0722
Gm13	20220535	20221529	Gmdrm	hypo	CHH	-0.1092
Gm13	20221670	20222369	Gmdrm	hypo	CHH	-0.029
Gm13	20225187	20226146	Gmdrm	hypo	CHH	-0.0261
Gm13	20231037	20232028	Gmdrm	hypo	CHH	-0.0954
Gm13	20237695	20238677	Gmdrm	hypo	CHH	-0.1668
Gm13	20246035	20247025	Gmdrm	hypo	CHH	-0.0192
Gm13	20256073	20256333	Gmdrm	hypo	CHH	-0.0944
Gm13	20262692	20263669	Gmdrm	hypo	CHH	-0.0559
Gm13	20269147	20270140	Gmdrm	hypo	CHH	-0.0317
Gm13	20273812	20274799	Gmdrm	hypo	CHH	-0.012
Gm13	20280367	20281367	Gmdrm	hypo	CHH	-0.018
Gm13	20281370	20282366	Gmdrm	hypo	CHH	-0.0542
Gm13	20282378	20283289	Gmdrm	hypo	CHH	-0.0356
Gm13	20289791	20290052	Gmdrm	hypo	CHH	-0.066

Gm13	20304439	20305422	Gmdrm	hypo	CHH	-0.0582
Gm13	20305458	20306451	Gmdrm	hypo	CHH	-0.0628
Gm13	20306463	20307427	Gmdrm	hypo	CHH	-0.0264
Gm13	20307473	20308303	Gmdrm	hypo	CHH	-0.0383
Gm13	20311498	20312493	Gmdrm	hypo	CHH	-0.1281
Gm13	20322359	20323348	Gmdrm	hypo	CHH	-0.0437
Gm13	20327546	20328541	Gmdrm	hypo	CHH	-0.0227
Gm13	20331257	20332249	Gmdrm	hypo	CHH	-0.0139
Gm13	20336359	20337156	Gmdrm	hypo	CHH	-0.0169
Gm13	20339299	20340296	Gmdrm	hypo	CHH	-0.1276
Gm13	20340323	20341318	Gmdrm	hypo	CHH	-0.0212
Gm13	20359316	20360313	Gmdrm	hypo	CHH	-0.0921
Gm13	20360319	20361315	Gmdrm	hypo	CHH	-0.1649
Gm13	20362816	20363803	Gmdrm	hypo	CHH	-0.0167
Gm13	20365840	20366833	Gmdrm	hypo	CHH	-0.1086
Gm13	20376753	20377733	Gmdrm	hypo	CHH	-0.0356
Gm13	20384555	20385553	Gmdrm	hypo	CHH	-0.0499
Gm13	20386562	20387116	Gmdrm	hypo	CHH	-0.0458
Gm13	20405203	20406162	Gmdrm	hypo	CHH	-0.0302
Gm13	20417322	20417597	Gmdrm	hypo	CHH	-0.0513
Gm13	20422711	20423687	Gmdrm	hypo	CHH	-0.0478
Gm13	20423732	20424712	Gmdrm	hypo	CHH	-0.0249
Gm13	20424734	20425213	Gmdrm	hypo	CHH	-0.0219
Gm13	20426560	20427547	Gmdrm	hypo	CHH	-0.1419
Gm13	20434098	20435097	Gmdrm	hypo	CHH	-0.0747
Gm13	20435108	20435976	Gmdrm	hypo	CHH	-0.0569
Gm13	20436241	20437226	Gmdrm	hypo	CHH	-0.0208
Gm13	20441259	20442230	Gmdrm	hypo	CHH	-0.0273
Gm13	20443299	20444286	Gmdrm	hypo	CHH	-0.025
Gm13	20447146	20448142	Gmdrm	hypo	CHH	-0.0664
Gm13	20448151	20449151	Gmdrm	hypo	CHH	-0.1395
Gm13	20452171	20453169	Gmdrm	hypo	CHH	-0.0799
Gm13	20453180	20454155	Gmdrm	hypo	CHH	-0.1036
Gm13	20462419	20463384	Gmdrm	hypo	CHH	-0.0222
Gm13	20464257	20464708	Gmdrm	hypo	CHH	-0.0439
Gm13	20466488	20467342	Gmdrm	hypo	CHH	-0.0246
Gm13	20480611	20481611	Gmdrm	hypo	CHH	-0.1111
Gm13	20481614	20482613	Gmdrm	hypo	CHH	-0.177
Gm13	20482615	20483614	Gmdrm	hypo	CHH	-0.2309
Gm13	20495381	20496368	Gmdrm	hypo	CHH	-0.014
Gm13	20497434	20498392	Gmdrm	hypo	CHH	-0.0135
Gm13	20516427	20517412	Gmdrm	hypo	CHH	-0.1203
Gm13	20525791	20526789	Gmdrm	hypo	CHH	-0.0413
Gm13	20528803	20529521	Gmdrm	hypo	CHH	-0.0686
Gm13	20529657	20530585	Gmdrm	hypo	CHH	-0.0231
Gm13	20532376	20533352	Gmdrm	hypo	CHH	-0.0506

Gm13	20540464	20540888	Gmdrm	hypo	CHH	-0.0289
Gm13	20540989	20541969	Gmdrm	hypo	CHH	-0.026
Gm13	20543819	20544776	Gmdrm	hypo	CHH	-0.1852
Gm13	20545193	20546192	Gmdrm	hypo	CHH	-0.1594
Gm13	20546238	20547224	Gmdrm	hypo	CHH	-0.0636
Gm13	20549319	20550319	Gmdrm	hypo	CHH	-0.0574
Gm13	20550329	20551313	Gmdrm	hypo	CHH	-0.0113
Gm13	20551368	20552361	Gmdrm	hypo	CHH	-0.0661
Gm13	20552376	20553344	Gmdrm	hypo	CHH	-0.1457
Gm13	20559869	20560864	Gmdrm	hypo	CHH	-0.0135
Gm13	20560882	20561842	Gmdrm	hypo	CHH	-0.0231
Gm13	20569657	20570435	Gmdrm	hypo	CHH	-0.0245
Gm13	20604095	20604361	Gmdrm	hypo	CHH	-0.0708
Gm13	20609139	20610126	Gmdrm	hypo	CHH	-0.0171
Gm13	20623060	20624060	Gmdrm	hypo	CHH	-0.3546
Gm13	20626477	20627390	Gmdrm	hypo	CHH	-0.0135
Gm13	20643575	20643947	Gmdrm	hypo	CHH	-0.0192
Gm13	20654658	20655652	Gmdrm	hypo	CHH	-0.0252
Gm13	20656216	20657207	Gmdrm	hypo	CHH	-0.023
Gm13	20666649	20667384	Gmdrm	hypo	CHH	-0.0182
Gm13	20674440	20675409	Gmdrm	hypo	CHH	-0.0163
Gm13	20688633	20689633	Gmdrm	hypo	CHH	-0.221
Gm13	20689639	20690580	Gmdrm	hypo	CHH	-0.0347
Gm13	20690674	20691674	Gmdrm	hypo	CHH	-0.0901
Gm13	20691677	20692672	Gmdrm	hypo	CHH	-0.099
Gm13	20692681	20693663	Gmdrm	hypo	CHH	-0.1958
Gm13	20695309	20696289	Gmdrm	hypo	CHH	-0.2217
Gm13	20697371	20698365	Gmdrm	hypo	CHH	-0.0163
Gm13	20699643	20700637	Gmdrm	hypo	CHH	-0.0135
Gm13	20700646	20701634	Gmdrm	hypo	CHH	-0.0226
Gm13	20702722	20703673	Gmdrm	hypo	CHH	-0.0168
Gm13	20718435	20719393	Gmdrm	hypo	CHH	-0.0446
Gm13	20719704	20720704	Gmdrm	hypo	CHH	-0.0128
Gm13	20727390	20728389	Gmdrm	hypo	CHH	-0.0183
Gm13	20737816	20738815	Gmdrm	hypo	CHH	-0.0188
Gm13	20738829	20739829	Gmdrm	hypo	CHH	-0.0564
Gm13	20749558	20750490	Gmdrm	hypo	CHH	-0.0167
Gm13	20754826	20755789	Gmdrm	hypo	CHH	-0.0217
Gm13	20762132	20762396	Gmdrm	hypo	CHH	-0.0512
Gm13	20771346	20772326	Gmdrm	hypo	CHH	-0.0146
Gm13	20774408	20774423	Gmdrm	hypo	CHH	-0.1645
Gm13	20776831	20777336	Gmdrm	hypo	CHH	-0.0266
Gm13	20794644	20795283	Gmdrm	hypo	CHH	-0.0167
Gm13	20797833	20798820	Gmdrm	hypo	CHH	-0.0157
Gm13	20803784	20804761	Gmdrm	hypo	CHH	-0.0919
Gm13	20825295	20826293	Gmdrm	hypo	CHH	-0.0118

Gm13	20828697	20829693	Gmdrm	hypo	CHH	-0.0404
Gm13	20832831	20833827	Gmdrm	hypo	CHH	-0.2389
Gm13	20837688	20838681	Gmdrm	hypo	CHH	-0.0861
Gm13	20846627	20847551	Gmdrm	hypo	CHH	-0.0257
Gm13	20854753	20855697	Gmdrm	hypo	CHH	-0.026
Gm13	20855777	20856766	Gmdrm	hypo	CHH	-0.0268
Gm13	20856790	20857785	Gmdrm	hypo	CHH	-0.0376
Gm13	20871610	20871783	Gmdrm	hypo	CHH	-0.088
Gm13	20878716	20879708	Gmdrm	hypo	CHH	-0.0179
Gm13	20880740	20881737	Gmdrm	hypo	CHH	-0.0314
Gm13	20889807	20890807	Gmdrm	hypo	CHH	-0.0261
Gm13	20890825	20891824	Gmdrm	hypo	CHH	-0.0494
Gm13	20891826	20892700	Gmdrm	hypo	CHH	-0.0267
Gm13	20909358	20909464	Gmdrm	hypo	CHH	-0.0533
Gm13	20909590	20910520	Gmdrm	hypo	CHH	-0.0178
Gm13	20916041	20917022	Gmdrm	hypo	CHH	-0.024
Gm13	20921011	20921173	Gmdrm	hypo	CHH	-0.0309
Gm13	20936858	20937858	Gmdrm	hypo	CHH	-0.0827
Gm13	20937865	20938844	Gmdrm	hypo	CHH	-0.4447
Gm13	20946959	20947958	Gmdrm	hypo	CHH	-0.041
Gm13	20947961	20948906	Gmdrm	hypo	CHH	-0.0807
Gm13	20949937	20950922	Gmdrm	hypo	CHH	-0.0583
Gm13	20951238	20951606	Gmdrm	hypo	CHH	-0.141
Gm13	20975028	20976028	Gmdrm	hypo	CHH	-0.0231
Gm13	20976034	20977027	Gmdrm	hypo	CHH	-0.0572
Gm13	21016760	21017760	Gmdrm	hypo	CHH	-0.0179
Gm13	21019807	21020787	Gmdrm	hypo	CHH	-0.023
Gm13	21020808	21021807	Gmdrm	hypo	CHH	-0.0374
Gm13	21021810	21022317	Gmdrm	hypo	CHH	-0.1102
Gm13	21024470	21025457	Gmdrm	hypo	CHH	-0.0249
Gm13	21025480	21026005	Gmdrm	hypo	CHH	-0.037
Gm13	21026157	21027152	Gmdrm	hypo	CHH	-0.0848
Gm13	21034506	21035075	Gmdrm	hypo	CHH	-0.041
Gm13	21035455	21036453	Gmdrm	hypo	CHH	-0.0637
Gm13	21036461	21037439	Gmdrm	hypo	CHH	-0.0602
Gm13	21046931	21047368	Gmdrm	hypo	CHH	-0.0291
Gm13	21051769	21052686	Gmdrm	hypo	CHH	-0.2262
Gm13	21066132	21067121	Gmdrm	hypo	CHH	-0.0137
Gm13	21072592	21073591	Gmdrm	hypo	CHH	-0.023
Gm13	21077418	21078409	Gmdrm	hypo	CHH	-0.0161
Gm13	21078423	21079421	Gmdrm	hypo	CHH	-0.021
Gm13	21083351	21083738	Gmdrm	hypo	CHH	-0.0222
Gm13	21090312	21090634	Gmdrm	hypo	CHH	-0.0372
Gm13	21091636	21091774	Gmdrm	hypo	CHH	-0.0278
Gm13	21091927	21092927	Gmdrm	hypo	CHH	-0.0167
Gm13	21096564	21097561	Gmdrm	hypo	CHH	-0.0174

Gm13	21097577	21098554	Gmdrm	hypo	CHH	-0.0942
Gm13	21098581	21099580	Gmdrm	hypo	CHH	-0.0553
Gm13	21099633	21100623	Gmdrm	hypo	CHH	-0.0106
Gm13	21102731	21103716	Gmdrm	hypo	CHH	-0.0236
Gm13	21114381	21114561	Gmdrm	hypo	CHH	-0.0194
Gm13	21115678	21116649	Gmdrm	hypo	CHH	-0.0948
Gm13	21116800	21117003	Gmdrm	hypo	CHH	-0.0675
Gm13	21118373	21119347	Gmdrm	hypo	CHH	-0.0855
Gm13	21122755	21123753	Gmdrm	hypo	CHH	-0.0549
Gm13	21123762	21124754	Gmdrm	hypo	CHH	-0.0324
Gm13	21124768	21125731	Gmdrm	hypo	CHH	-0.0178
Gm13	21128212	21128824	Gmdrm	hypo	CHH	-0.0296
Gm13	21147090	21148084	Gmdrm	hypo	CHH	-0.0487
Gm13	21152458	21152863	Gmdrm	hypo	CHH	-0.0289
Gm13	21178466	21178665	Gmdrm	hypo	CHH	-0.0567
Gm13	21182635	21183331	Gmdrm	hypo	CHH	-0.0989
Gm13	21183445	21184442	Gmdrm	hypo	CHH	-0.1238
Gm13	21184452	21185425	Gmdrm	hypo	CHH	-0.1011
Gm13	21241723	21242659	Gmdrm	hypo	CHH	-0.0372
Gm13	21244390	21244839	Gmdrm	hypo	CHH	-0.0338
Gm13	21257745	21257770	Gmdrm	hypo	CHH	-0.0533
Gm13	21257874	21258867	Gmdrm	hypo	CHH	-0.0339
Gm13	21258887	21259882	Gmdrm	hypo	CHH	-0.0729
Gm13	21259889	21260884	Gmdrm	hypo	CHH	-0.0909
Gm13	21260891	21261884	Gmdrm	hypo	CHH	-0.0506
Gm13	21261899	21262870	Gmdrm	hypo	CHH	-0.0142
Gm13	21266588	21267539	Gmdrm	hypo	CHH	-0.0606
Gm13	21267592	21268592	Gmdrm	hypo	CHH	-0.0306
Gm13	21268615	21269599	Gmdrm	hypo	CHH	-0.024
Gm13	21276379	21276953	Gmdrm	hypo	CHH	-0.0847
Gm13	21283163	21284145	Gmdrm	hypo	CHH	-0.1361
Gm13	21287189	21288173	Gmdrm	hypo	CHH	-0.0997
Gm13	21296203	21296635	Gmdrm	hypo	CHH	-0.0416
Gm13	21296980	21297979	Gmdrm	hypo	CHH	-0.0194
Gm13	21300069	21300354	Gmdrm	hypo	CHH	-0.0267
Gm13	21300463	21301452	Gmdrm	hypo	CHH	-0.0661
Gm13	21325183	21326169	Gmdrm	hypo	CHH	-0.1673
Gm13	21334141	21335124	Gmdrm	hypo	CHH	-0.0494
Gm13	21335713	21336710	Gmdrm	hypo	CHH	-0.1429
Gm13	21348528	21349528	Gmdrm	hypo	CHH	-0.0155
Gm13	21378217	21379151	Gmdrm	hypo	CHH	-0.1046
Gm13	21384682	21385667	Gmdrm	hypo	CHH	-0.1159
Gm13	21404563	21405557	Gmdrm	hypo	CHH	-0.3843
Gm13	21405572	21405874	Gmdrm	hypo	CHH	-0.4305
Gm13	21407497	21408487	Gmdrm	hypo	CHH	-0.0208
Gm13	21408503	21409488	Gmdrm	hypo	CHH	-0.0522

Gm13	21409510	21410495	Gmdrm	hypo	CHH	-0.0289
Gm13	21419601	21420596	Gmdrm	hypo	CHH	-0.0213
Gm13	21434300	21435299	Gmdrm	hypo	CHH	-0.017
Gm13	21448811	21449811	Gmdrm	hypo	CHH	-0.0867
Gm13	21449861	21450848	Gmdrm	hypo	CHH	-0.0123
Gm13	21457220	21457881	Gmdrm	hypo	CHH	-0.0912
Gm13	21458356	21459352	Gmdrm	hypo	CHH	-0.1664
Gm13	21463365	21463691	Gmdrm	hypo	CHH	-0.0527
Gm13	21474415	21475413	Gmdrm	hypo	CHH	-0.0295
Gm13	21475437	21476429	Gmdrm	hypo	CHH	-0.0564
Gm13	21479554	21480546	Gmdrm	hypo	CHH	-0.0179
Gm13	21480570	21481568	Gmdrm	hypo	CHH	-0.1131
Gm13	21481575	21482518	Gmdrm	hypo	CHH	-0.0585
Gm13	21483640	21484498	Gmdrm	hypo	CHH	-0.3034
Gm13	21515029	21516014	Gmdrm	hypo	CHH	-0.0112
Gm13	21516039	21517015	Gmdrm	hypo	CHH	-0.0205
Gm13	21518708	21519706	Gmdrm	hypo	CHH	-0.2133
Gm13	21562007	21563005	Gmdrm	hypo	CHH	-0.0209
Gm13	21563008	21563976	Gmdrm	hypo	CHH	-0.0326
Gm13	21564009	21564760	Gmdrm	hypo	CHH	-0.0234
Gm13	21566360	21567322	Gmdrm	hypo	CHH	-0.1293
Gm13	21571896	21572896	Gmdrm	hypo	CHH	-0.0582
Gm13	21572904	21573888	Gmdrm	hypo	CHH	-0.039
Gm13	21585797	21586463	Gmdrm	hypo	CHH	-0.1388
Gm13	21586570	21587567	Gmdrm	hypo	CHH	-0.1192
Gm13	21589981	21590964	Gmdrm	hypo	CHH	-0.0992
Gm13	21595086	21596084	Gmdrm	hypo	CHH	-0.0346
Gm13	21603977	21604971	Gmdrm	hypo	CHH	-0.0163
Gm13	21609012	21609975	Gmdrm	hypo	CHH	-0.0132
Gm13	21613650	21614626	Gmdrm	hypo	CHH	-0.0402
Gm13	21625890	21626831	Gmdrm	hypo	CHH	-0.0531
Gm13	21627013	21628011	Gmdrm	hypo	CHH	-0.0776
Gm13	21628030	21629014	Gmdrm	hypo	CHH	-0.1443
Gm13	21629041	21630037	Gmdrm	hypo	CHH	-0.0894
Gm13	21630043	21631030	Gmdrm	hypo	CHH	-0.2305
Gm13	21632055	21633043	Gmdrm	hypo	CHH	-0.0235
Gm13	21633065	21634063	Gmdrm	hypo	CHH	-0.0895
Gm13	21634076	21635076	Gmdrm	hypo	CHH	-0.0298
Gm13	21635081	21636068	Gmdrm	hypo	CHH	-0.024
Gm13	21638450	21639437	Gmdrm	hypo	CHH	-0.1089
Gm13	21639453	21640420	Gmdrm	hypo	CHH	-0.0848
Gm13	21641461	21642458	Gmdrm	hypo	CHH	-0.0508
Gm13	21652255	21653252	Gmdrm	hypo	CHH	-0.0282
Gm13	21653266	21654266	Gmdrm	hypo	CHH	-0.0403
Gm13	21657432	21658423	Gmdrm	hypo	CHH	-0.0148
Gm13	21658446	21659284	Gmdrm	hypo	CHH	-0.0177

Gm13	21669267	21670253	Gmdrm	hypo	CHH	-0.0187
Gm13	21674034	21675028	Gmdrm	hypo	CHH	-0.0192
Gm13	21684676	21685676	Gmdrm	hypo	CHH	-0.0569
Gm13	21690368	21691027	Gmdrm	hypo	CHH	-0.0853
Gm13	21691487	21692485	Gmdrm	hypo	CHH	-0.0551
Gm13	21692489	21693487	Gmdrm	hypo	CHH	-0.0757
Gm13	21694515	21695438	Gmdrm	hypo	CHH	-0.0226
Gm13	21696555	21697530	Gmdrm	hypo	CHH	-0.0133
Gm13	21700210	21700320	Gmdrm	hypo	CHH	-0.03
Gm13	21700455	21700791	Gmdrm	hypo	CHH	-0.045
Gm13	21701909	21702840	Gmdrm	hypo	CHH	-0.0159
Gm13	21705726	21705915	Gmdrm	hypo	CHH	-0.031
Gm13	21713251	21714202	Gmdrm	hypo	CHH	-0.0263
Gm13	21716334	21717331	Gmdrm	hypo	CHH	-0.0176
Gm13	21717801	21718769	Gmdrm	hypo	CHH	-0.0287
Gm13	21721288	21722256	Gmdrm	hypo	CHH	-0.0546
Gm13	21743783	21744046	Gmdrm	hypo	CHH	-0.0326
Gm13	21751619	21752616	Gmdrm	hypo	CHH	-0.067
Gm13	21752623	21753618	Gmdrm	hypo	CHH	-0.0691
Gm13	21754628	21755622	Gmdrm	hypo	CHH	-0.0611
Gm13	21756662	21757657	Gmdrm	hypo	CHH	-0.0213
Gm13	21757669	21758657	Gmdrm	hypo	CHH	-0.0326
Gm13	21765822	21766819	Gmdrm	hypo	CHH	-0.0361
Gm13	21766826	21767489	Gmdrm	hypo	CHH	-0.0726
Gm13	21768039	21768604	Gmdrm	hypo	CHH	-0.0266
Gm13	21787339	21788338	Gmdrm	hypo	CHH	-0.0378
Gm13	21803051	21804039	Gmdrm	hypo	CHH	-0.1311
Gm13	21804061	21805057	Gmdrm	hypo	CHH	-0.0276
Gm13	21807997	21808997	Gmdrm	hypo	CHH	-0.0164
Gm13	21811056	21812048	Gmdrm	hypo	CHH	-0.0348
Gm13	21812057	21813053	Gmdrm	hypo	CHH	-0.1195
Gm13	21815711	21816708	Gmdrm	hypo	CHH	-0.0248
Gm13	21816731	21817703	Gmdrm	hypo	CHH	-0.0386
Gm13	21817747	21818371	Gmdrm	hypo	CHH	-0.0245
Gm13	21827150	21828089	Gmdrm	hypo	CHH	-0.0264
Gm13	21830546	21831546	Gmdrm	hypo	CHH	-0.0287
Gm13	21834562	21835480	Gmdrm	hypo	CHH	-0.0648
Gm13	21838674	21839670	Gmdrm	hypo	CHH	-0.0717
Gm13	21849123	21850123	Gmdrm	hypo	CHH	-0.0197
Gm13	21851144	21852075	Gmdrm	hypo	CHH	-0.0202
Gm13	21853375	21854286	Gmdrm	hypo	CHH	-0.1195
Gm13	21854437	21855433	Gmdrm	hypo	CHH	-0.1407
Gm13	21855453	21856451	Gmdrm	hypo	CHH	-0.0744
Gm13	21856454	21857430	Gmdrm	hypo	CHH	-0.0726
Gm13	21857461	21858459	Gmdrm	hypo	CHH	-0.092
Gm13	21858463	21858991	Gmdrm	hypo	CHH	-0.0954

Gm13	21859280	21860043	Gmdrm	hypo	CHH	-0.1162
Gm13	21860368	21861364	Gmdrm	hypo	CHH	-0.1419
Gm13	21867575	21868567	Gmdrm	hypo	CHH	-0.0391
Gm13	21875480	21876475	Gmdrm	hypo	CHH	-0.0265
Gm13	21878494	21878946	Gmdrm	hypo	CHH	-0.0375
Gm13	21882490	21883473	Gmdrm	hypo	CHH	-0.0142
Gm13	21913763	21914735	Gmdrm	hypo	CHH	-0.0152
Gm13	21921312	21922288	Gmdrm	hypo	CHH	-0.1724
Gm13	21925354	21926319	Gmdrm	hypo	CHH	-0.1386
Gm13	21926358	21927357	Gmdrm	hypo	CHH	-0.0448
Gm13	21928373	21929364	Gmdrm	hypo	CHH	-0.0122
Gm13	21929825	21930819	Gmdrm	hypo	CHH	-0.0844
Gm13	21931898	21932640	Gmdrm	hypo	CHH	-0.0196
Gm13	21932750	21933319	Gmdrm	hypo	CHH	-0.0229
Gm13	21941014	21942007	Gmdrm	hypo	CHH	-0.1488
Gm13	21942017	21942884	Gmdrm	hypo	CHH	-0.0239
Gm13	21947156	21948148	Gmdrm	hypo	CHH	-0.0431
Gm13	21950194	21951189	Gmdrm	hypo	CHH	-0.0243
Gm13	21960337	21960953	Gmdrm	hypo	CHH	-0.0223
Gm13	21964125	21964799	Gmdrm	hypo	CHH	-0.0252
Gm13	21968908	21969896	Gmdrm	hypo	CHH	-0.0265
Gm13	21977517	21978374	Gmdrm	hypo	CHH	-0.0297
Gm13	21978485	21979473	Gmdrm	hypo	CHH	-0.0203
Gm13	21980557	21981553	Gmdrm	hypo	CHH	-0.0145
Gm13	21983491	21984487	Gmdrm	hypo	CHH	-0.0114
Gm13	21985502	21986502	Gmdrm	hypo	CHH	-0.049
Gm13	21987104	21988103	Gmdrm	hypo	CHH	-0.1036
Gm13	21988118	21989105	Gmdrm	hypo	CHH	-0.0236
Gm13	21989123	21990096	Gmdrm	hypo	CHH	-0.0215
Gm13	22000038	22001036	Gmdrm	hypo	CHH	-0.0218
Gm13	22001073	22002064	Gmdrm	hypo	CHH	-0.152
Gm13	22002074	22003071	Gmdrm	hypo	CHH	-0.1074
Gm13	22003076	22003870	Gmdrm	hypo	CHH	-0.0249
Gm13	22005486	22006476	Gmdrm	hypo	CHH	-0.0366
Gm13	22009538	22010528	Gmdrm	hypo	CHH	-0.0692
Gm13	22011560	22012559	Gmdrm	hypo	CHH	-0.0134
Gm13	22014597	22015562	Gmdrm	hypo	CHH	-0.0514
Gm13	22018767	22019761	Gmdrm	hypo	CHH	-0.0121
Gm13	22022177	22023177	Gmdrm	hypo	CHH	-0.0242
Gm13	22026507	22027470	Gmdrm	hypo	CHH	-0.0284
Gm13	22039131	22040130	Gmdrm	hypo	CHH	-0.0207
Gm13	22060784	22061775	Gmdrm	hypo	CHH	-0.0275
Gm13	22065840	22066834	Gmdrm	hypo	CHH	-0.0194
Gm13	22081099	22082034	Gmdrm	hypo	CHH	-0.0129
Gm13	22086135	22087132	Gmdrm	hypo	CHH	-0.0524
Gm13	22092581	22093575	Gmdrm	hypo	CHH	-0.121

Gm13	22093585	22094578	Gmdrm	hypo	CHH	-0.1289
Gm13	22101654	22102646	Gmdrm	hypo	CHH	-0.0138
Gm13	22109856	22110804	Gmdrm	hypo	CHH	-0.0277
Gm13	22120332	22121331	Gmdrm	hypo	CHH	-0.0212
Gm13	22123380	22124332	Gmdrm	hypo	CHH	-0.0213
Gm13	22127431	22128431	Gmdrm	hypo	CHH	-0.1382
Gm13	22128444	22128871	Gmdrm	hypo	CHH	-0.3587
Gm13	22130804	22131802	Gmdrm	hypo	CHH	-0.0429
Gm13	22158614	22159608	Gmdrm	hypo	CHH	-0.022
Gm13	22161722	22162712	Gmdrm	hypo	CHH	-0.0317
Gm13	22163724	22164711	Gmdrm	hypo	CHH	-0.0694
Gm13	22166998	22167997	Gmdrm	hypo	CHH	-0.0196
Gm13	22172207	22173199	Gmdrm	hypo	CHH	-0.0284
Gm13	22174265	22175014	Gmdrm	hypo	CHH	-0.0176
Gm13	22178078	22179033	Gmdrm	hypo	CHH	-0.0135
Gm13	22184057	22185039	Gmdrm	hypo	CHH	-0.028
Gm13	22187112	22188106	Gmdrm	hypo	CHH	-0.0493
Gm13	22192493	22193488	Gmdrm	hypo	CHH	-0.0296
Gm13	22207703	22208700	Gmdrm	hypo	CHH	-0.2445
Gm13	22216657	22217655	Gmdrm	hypo	CHH	-0.0161
Gm13	22220708	22221674	Gmdrm	hypo	CHH	-0.0257
Gm13	22222083	22223035	Gmdrm	hypo	CHH	-0.0256
Gm13	22224139	22224579	Gmdrm	hypo	CHH	-0.0188
Gm13	22225099	22226092	Gmdrm	hypo	CHH	-0.0169
Gm13	22237507	22238495	Gmdrm	hypo	CHH	-0.1166
Gm13	22238508	22239481	Gmdrm	hypo	CHH	-0.0669
Gm13	22245089	22246069	Gmdrm	hypo	CHH	-0.1905
Gm13	22247117	22248047	Gmdrm	hypo	CHH	-0.0314
Gm13	22248137	22249117	Gmdrm	hypo	CHH	-0.0194
Gm13	22252388	22253386	Gmdrm	hypo	CHH	-0.0743
Gm13	22259409	22260162	Gmdrm	hypo	CHH	-0.1313
Gm13	22277676	22278672	Gmdrm	hypo	CHH	-0.0162
Gm13	22310489	22311482	Gmdrm	hypo	CHH	-0.0245
Gm13	22324958	22325946	Gmdrm	hypo	CHH	-0.0195
Gm13	22328163	22329157	Gmdrm	hypo	CHH	-0.0173
Gm13	22347130	22348099	Gmdrm	hypo	CHH	-0.0145
Gm13	22349872	22350290	Gmdrm	hypo	CHH	-0.0254
Gm13	22355096	22356095	Gmdrm	hypo	CHH	-0.0685
Gm13	22356102	22357068	Gmdrm	hypo	CHH	-0.0799
Gm13	22357105	22358096	Gmdrm	hypo	CHH	-0.0779
Gm13	22358128	22359116	Gmdrm	hypo	CHH	-0.1055
Gm13	22359131	22359969	Gmdrm	hypo	CHH	-0.1052
Gm13	22362751	22363718	Gmdrm	hypo	CHH	-0.1727
Gm13	22363757	22364757	Gmdrm	hypo	CHH	-0.0728
Gm13	22364782	22365511	Gmdrm	hypo	CHH	-0.0954
Gm13	22371705	22372702	Gmdrm	hypo	CHH	-0.0431

Gm13	22372711	22373698	Gmdrm	hypo	CHH	-0.082
Gm13	22375814	22376810	Gmdrm	hypo	CHH	-0.0449
Gm13	22378403	22379391	Gmdrm	hypo	CHH	-0.0299
Gm13	22387709	22388700	Gmdrm	hypo	CHH	-0.0437
Gm13	22388711	22389703	Gmdrm	hypo	CHH	-0.0703
Gm13	22389713	22390697	Gmdrm	hypo	CHH	-0.1126
Gm13	22390717	22391706	Gmdrm	hypo	CHH	-0.0176
Gm13	22403376	22404322	Gmdrm	hypo	CHH	-0.0133
Gm13	22406673	22407672	Gmdrm	hypo	CHH	-0.0259
Gm13	22414100	22415096	Gmdrm	hypo	CHH	-0.0164
Gm13	22424333	22425309	Gmdrm	hypo	CHH	-0.0217
Gm13	22429200	22430200	Gmdrm	hypo	CHH	-0.0222
Gm13	22430235	22430651	Gmdrm	hypo	CHH	-0.0191
Gm13	22432166	22432476	Gmdrm	hypo	CHH	-0.0341
Gm13	22436889	22437883	Gmdrm	hypo	CHH	-0.026
Gm13	22453286	22454283	Gmdrm	hypo	CHH	-0.0186
Gm13	22454298	22454664	Gmdrm	hypo	CHH	-0.3293
Gm13	22462173	22463173	Gmdrm	hypo	CHH	-0.0321
Gm13	22463176	22463645	Gmdrm	hypo	CHH	-0.0576
Gm13	22463883	22464471	Gmdrm	hypo	CHH	-0.0766
Gm13	22466031	22467021	Gmdrm	hypo	CHH	-0.0334
Gm13	22475889	22476881	Gmdrm	hypo	CHH	-0.0329
Gm13	22476907	22477890	Gmdrm	hypo	CHH	-0.0369
Gm13	22484612	22484761	Gmdrm	hypo	CHH	-0.0534
Gm13	22490965	22491938	Gmdrm	hypo	CHH	-0.0177
Gm13	22495808	22496683	Gmdrm	hypo	CHH	-0.335
Gm13	22497843	22498841	Gmdrm	hypo	CHH	-0.0174
Gm13	22507005	22507984	Gmdrm	hypo	CHH	-0.0169
Gm13	22511289	22512288	Gmdrm	hypo	CHH	-0.0688
Gm13	22512293	22513280	Gmdrm	hypo	CHH	-0.0819
Gm13	22513298	22514139	Gmdrm	hypo	CHH	-0.0875
Gm13	22518519	22519517	Gmdrm	hypo	CHH	-0.0438
Gm13	22521658	22522651	Gmdrm	hypo	CHH	-0.033
Gm13	22532802	22533785	Gmdrm	hypo	CHH	-0.0204
Gm13	22542005	22542993	Gmdrm	hypo	CHH	-0.0119
Gm13	22549003	22549993	Gmdrm	hypo	CHH	-0.2258
Gm13	22550912	22551020	Gmdrm	hypo	CHH	-0.068
Gm13	22554173	22555162	Gmdrm	hypo	CHH	-0.0225
Gm13	22555185	22556175	Gmdrm	hypo	CHH	-0.0868
Gm13	22556188	22556886	Gmdrm	hypo	CHH	-0.0394
Gm13	22562937	22563933	Gmdrm	hypo	CHH	-0.1181
Gm13	22563952	22564951	Gmdrm	hypo	CHH	-0.1233
Gm13	22564973	22565971	Gmdrm	hypo	CHH	-0.1062
Gm13	22565978	22566966	Gmdrm	hypo	CHH	-0.02
Gm13	22574668	22575659	Gmdrm	hypo	CHH	-0.0134
Gm13	22575677	22576609	Gmdrm	hypo	CHH	-0.0419

Gm13	22578710	22579709	Gmdrm	hypo	CHH	-0.0948
Gm13	22580755	22581754	Gmdrm	hypo	CHH	-0.182
Gm13	22581756	22582393	Gmdrm	hypo	CHH	-0.0415
Gm13	22593396	22594385	Gmdrm	hypo	CHH	-0.0331
Gm13	22596461	22597460	Gmdrm	hypo	CHH	-0.2076
Gm13	22601731	22602724	Gmdrm	hypo	CHH	-0.0234
Gm13	22605576	22606565	Gmdrm	hypo	CHH	-0.0254
Gm13	22612506	22613495	Gmdrm	hypo	CHH	-0.0173
Gm13	22619957	22620956	Gmdrm	hypo	CHH	-0.0216
Gm13	22620960	22621950	Gmdrm	hypo	CHH	-0.022
Gm13	22621961	22622959	Gmdrm	hypo	CHH	-0.0458
Gm13	22626629	22627627	Gmdrm	hypo	CHH	-0.0594
Gm13	22627653	22628643	Gmdrm	hypo	CHH	-0.0695
Gm13	22628659	22629636	Gmdrm	hypo	CHH	-0.1054
Gm13	22631467	22632463	Gmdrm	hypo	CHH	-0.0406
Gm13	22632471	22633461	Gmdrm	hypo	CHH	-0.0366
Gm13	22633475	22634466	Gmdrm	hypo	CHH	-0.0254
Gm13	22634483	22635012	Gmdrm	hypo	CHH	-0.0354
Gm13	22639052	22640051	Gmdrm	hypo	CHH	-0.0227
Gm13	22642180	22643178	Gmdrm	hypo	CHH	-0.0382
Gm13	22643185	22644178	Gmdrm	hypo	CHH	-0.0335
Gm13	22646209	22646387	Gmdrm	hypo	CHH	-0.0433
Gm13	22659327	22660325	Gmdrm	hypo	CHH	-0.0649
Gm13	22671332	22672330	Gmdrm	hypo	CHH	-0.0478
Gm13	22673348	22674338	Gmdrm	hypo	CHH	-0.1024
Gm13	22679382	22680359	Gmdrm	hypo	CHH	-0.0285
Gm13	22683984	22684483	Gmdrm	hypo	CHH	-0.0298
Gm13	22689324	22690316	Gmdrm	hypo	CHH	-0.0121
Gm13	22695282	22696249	Gmdrm	hypo	CHH	-0.0133
Gm13	22702930	22703908	Gmdrm	hypo	CHH	-0.0142
Gm13	22708034	22709033	Gmdrm	hypo	CHH	-0.1334
Gm13	22709041	22709976	Gmdrm	hypo	CHH	-0.0763
Gm13	22713467	22714413	Gmdrm	hypo	CHH	-0.0288
Gm13	22728033	22728441	Gmdrm	hypo	CHH	-0.2408
Gm13	22734362	22735344	Gmdrm	hypo	CHH	-0.0346
Gm13	22738368	22739349	Gmdrm	hypo	CHH	-0.0735
Gm13	22739388	22740336	Gmdrm	hypo	CHH	-0.0293
Gm13	22742450	22743444	Gmdrm	hypo	CHH	-0.1786
Gm13	22752065	22753045	Gmdrm	hypo	CHH	-0.0538
Gm13	22763517	22764094	Gmdrm	hypo	CHH	-0.2458
Gm13	22853078	22854070	Gmdrm	hypo	CHH	-0.0183
Gm13	22854087	22855086	Gmdrm	hypo	CHH	-0.0469
Gm13	22857114	22858085	Gmdrm	hypo	CHH	-0.0197
Gm13	22866690	22867675	Gmdrm	hypo	CHH	-0.0708
Gm13	22873154	22874143	Gmdrm	hypo	CHH	-0.0119
Gm13	22877523	22878521	Gmdrm	hypo	CHH	-0.1411

Gm13	22884877	22885874	Gmdrm	hypo	CHH	-0.0592
Gm13	22885892	22886891	Gmdrm	hypo	CHH	-0.0415
Gm13	22886896	22887884	Gmdrm	hypo	CHH	-0.0409
Gm13	22887898	22888888	Gmdrm	hypo	CHH	-0.0934
Gm13	22890401	22891401	Gmdrm	hypo	CHH	-0.0293
Gm13	22891409	22892404	Gmdrm	hypo	CHH	-0.0208
Gm13	22894770	22895751	Gmdrm	hypo	CHH	-0.016
Gm13	22895938	22896920	Gmdrm	hypo	CHH	-0.0344
Gm13	22910539	22911502	Gmdrm	hypo	CHH	-0.0186
Gm13	22915558	22916549	Gmdrm	hypo	CHH	-0.0733
Gm13	22916565	22917548	Gmdrm	hypo	CHH	-0.0245
Gm13	22917638	22918586	Gmdrm	hypo	CHH	-0.0215
Gm13	22920304	22921226	Gmdrm	hypo	CHH	-0.0128
Gm13	22937845	22938825	Gmdrm	hypo	CHH	-0.0198
Gm13	22938864	22939864	Gmdrm	hypo	CHH	-0.028
Gm13	22944839	22945822	Gmdrm	hypo	CHH	-0.058
Gm13	22945849	22946618	Gmdrm	hypo	CHH	-0.0362
Gm13	22946853	22947815	Gmdrm	hypo	CHH	-0.0229
Gm13	22953956	22954954	Gmdrm	hypo	CHH	-0.0258
Gm13	22960654	22961652	Gmdrm	hypo	CHH	-0.0257
Gm13	22968239	22969218	Gmdrm	hypo	CHH	-0.0181
Gm13	22970994	22971990	Gmdrm	hypo	CHH	-0.0435
Gm13	22971996	22972247	Gmdrm	hypo	CHH	-0.1278
Gm13	22972589	22973584	Gmdrm	hypo	CHH	-0.1162
Gm13	22973590	22974587	Gmdrm	hypo	CHH	-0.2755
Gm13	22974593	22975574	Gmdrm	hypo	CHH	-0.2111
Gm13	22977678	22978666	Gmdrm	hypo	CHH	-0.038
Gm13	22978704	22979701	Gmdrm	hypo	CHH	-0.0448
Gm13	22985342	22986338	Gmdrm	hypo	CHH	-0.0793
Gm13	22986388	22987388	Gmdrm	hypo	CHH	-0.0818
Gm13	22987389	22988386	Gmdrm	hypo	CHH	-0.0237
Gm13	22997013	22998007	Gmdrm	hypo	CHH	-0.0868
Gm13	22998015	22998720	Gmdrm	hypo	CHH	-0.1326
Gm13	22999062	23000058	Gmdrm	hypo	CHH	-0.0756
Gm13	23002014	23002614	Gmdrm	hypo	CHH	-0.0313
Gm13	23003950	23004949	Gmdrm	hypo	CHH	-0.2246
Gm13	23006571	23006919	Gmdrm	hypo	CHH	-0.1475
Gm13	23021702	23022677	Gmdrm	hypo	CHH	-0.0856
Gm13	23023736	23024354	Gmdrm	hypo	CHH	-0.017
Gm13	23032178	23033175	Gmdrm	hypo	CHH	-0.0609
Gm13	23033187	23033660	Gmdrm	hypo	CHH	-0.1774
Gm13	23036801	23037753	Gmdrm	hypo	CHH	-0.0141
Gm13	23042116	23043113	Gmdrm	hypo	CHH	-0.0342
Gm13	23043121	23044102	Gmdrm	hypo	CHH	-0.0874
Gm13	23052866	23053864	Gmdrm	hypo	CHH	-0.0452
Gm13	23056885	23057883	Gmdrm	hypo	CHH	-0.0383

Gm13	23058956	23059956	Gmdrm	hypo	CHH	-0.0181
Gm13	23059959	23060944	Gmdrm	hypo	CHH	-0.0325
Gm13	23069369	23070340	Gmdrm	hypo	CHH	-0.0182
Gm13	23079485	23080483	Gmdrm	hypo	CHH	-0.0342
Gm13	23080500	23081496	Gmdrm	hypo	CHH	-0.1078
Gm13	23081503	23082490	Gmdrm	hypo	CHH	-0.0216
Gm13	23082509	23083506	Gmdrm	hypo	CHH	-0.1344
Gm13	23087203	23088187	Gmdrm	hypo	CHH	-0.0289
Gm13	23089679	23090674	Gmdrm	hypo	CHH	-0.2195
Gm13	23090682	23091678	Gmdrm	hypo	CHH	-0.0684
Gm13	23108160	23108533	Gmdrm	hypo	CHH	-0.0374
Gm13	23108927	23109750	Gmdrm	hypo	CHH	-0.0807
Gm13	23124240	23125238	Gmdrm	hypo	CHH	-0.0973
Gm13	23131651	23132039	Gmdrm	hypo	CHH	-0.0601
Gm13	23134319	23135309	Gmdrm	hypo	CHH	-0.0374
Gm13	23136219	23137201	Gmdrm	hypo	CHH	-0.0153
Gm13	23138605	23139601	Gmdrm	hypo	CHH	-0.0214
Gm13	23143322	23144319	Gmdrm	hypo	CHH	-0.0313
Gm13	23155274	23156263	Gmdrm	hypo	CHH	-0.0264
Gm13	23156298	23156432	Gmdrm	hypo	CHH	-0.0237
Gm13	23178210	23179196	Gmdrm	hypo	CHH	-0.39
Gm13	23188079	23189068	Gmdrm	hypo	CHH	-0.0439
Gm13	23190105	23191102	Gmdrm	hypo	CHH	-0.0158
Gm13	23203116	23204116	Gmdrm	hypo	CHH	-0.0102
Gm13	23210179	23211175	Gmdrm	hypo	CHH	-0.0729
Gm13	23211183	23212160	Gmdrm	hypo	CHH	-0.1884
Gm13	23222431	23223422	Gmdrm	hypo	CHH	-0.1384
Gm13	23223432	23224347	Gmdrm	hypo	CHH	-0.0251
Gm13	23250503	23251480	Gmdrm	hypo	CHH	-0.0227
Gm13	23260398	23261393	Gmdrm	hypo	CHH	-0.0412
Gm13	23262896	23263894	Gmdrm	hypo	CHH	-0.0651
Gm13	23263904	23264897	Gmdrm	hypo	CHH	-0.0869
Gm13	23264919	23265916	Gmdrm	hypo	CHH	-0.0686
Gm13	23270638	23271627	Gmdrm	hypo	CHH	-0.0111
Gm13	23274402	23275375	Gmdrm	hypo	CHH	-0.0331
Gm13	23278244	23279244	Gmdrm	hypo	CHH	-0.0401
Gm13	23279248	23280227	Gmdrm	hypo	CHH	-0.0611
Gm13	23283587	23284576	Gmdrm	hypo	CHH	-0.024
Gm13	23297645	23298645	Gmdrm	hypo	CHH	-0.0207
Gm13	23299701	23300698	Gmdrm	hypo	CHH	-0.0724
Gm13	23305846	23306839	Gmdrm	hypo	CHH	-0.0179
Gm13	23312500	23313487	Gmdrm	hypo	CHH	-0.0295
Gm13	23313520	23314517	Gmdrm	hypo	CHH	-0.0451
Gm13	23316789	23317530	Gmdrm	hypo	CHH	-0.0909
Gm13	23317635	23318634	Gmdrm	hypo	CHH	-0.0576
Gm13	23331998	23332960	Gmdrm	hypo	CHH	-0.0523

Gm13	23333001	23333792	Gmdrm	hypo	CHH	-0.2047
Gm13	23347252	23348246	Gmdrm	hypo	CHH	-0.0099
Gm13	23351352	23352351	Gmdrm	hypo	CHH	-0.2419
Gm13	23352359	23353331	Gmdrm	hypo	CHH	-0.1648
Gm13	23355505	23356503	Gmdrm	hypo	CHH	-0.0253
Gm13	23356510	23357490	Gmdrm	hypo	CHH	-0.0508
Gm13	23358550	23359547	Gmdrm	hypo	CHH	-0.0146
Gm13	23362134	23363131	Gmdrm	hypo	CHH	-0.1999
Gm13	23364146	23365104	Gmdrm	hypo	CHH	-0.0205
Gm13	23372068	23372227	Gmdrm	hypo	CHH	-0.074
Gm13	23375883	23376311	Gmdrm	hypo	CHH	-0.0404
Gm13	23383666	23384608	Gmdrm	hypo	CHH	-0.0492
Gm13	23386427	23387408	Gmdrm	hypo	CHH	-0.0161
Gm13	23390476	23391476	Gmdrm	hypo	CHH	-0.0538
Gm13	23399537	23400533	Gmdrm	hypo	CHH	-0.0261
Gm13	23416006	23417003	Gmdrm	hypo	CHH	-0.1343
Gm13	23417017	23418011	Gmdrm	hypo	CHH	-0.1582
Gm13	23418995	23419994	Gmdrm	hypo	CHH	-0.0349
Gm13	23423248	23424227	Gmdrm	hypo	CHH	-0.0241
Gm13	23434529	23435523	Gmdrm	hypo	CHH	-0.017
Gm13	23438545	23439533	Gmdrm	hypo	CHH	-0.0188
Gm13	23440563	23441559	Gmdrm	hypo	CHH	-0.018
Gm13	23441578	23442572	Gmdrm	hypo	CHH	-0.0869
Gm13	23451343	23452336	Gmdrm	hypo	CHH	-0.1629
Gm13	23452345	23453325	Gmdrm	hypo	CHH	-0.1415
Gm13	23454403	23455403	Gmdrm	hypo	CHH	-0.1679
Gm13	23455405	23456379	Gmdrm	hypo	CHH	-0.1589
Gm13	23456423	23456701	Gmdrm	hypo	CHH	-0.0471
Gm13	23456945	23457924	Gmdrm	hypo	CHH	-0.1363
Gm13	23464803	23465801	Gmdrm	hypo	CHH	-0.1245
Gm13	23472257	23472575	Gmdrm	hypo	CHH	-0.087
Gm13	23479846	23480846	Gmdrm	hypo	CHH	-0.1578
Gm13	23484737	23485737	Gmdrm	hypo	CHH	-0.0758
Gm13	23485745	23486203	Gmdrm	hypo	CHH	-0.1319
Gm13	23492372	23493364	Gmdrm	hypo	CHH	-0.078
Gm13	23493383	23493766	Gmdrm	hypo	CHH	-0.2868
Gm13	23496856	23497849	Gmdrm	hypo	CHH	-0.2818
Gm13	23511297	23512293	Gmdrm	hypo	CHH	-0.0201
Gm13	23520031	23521031	Gmdrm	hypo	CHH	-0.064
Gm13	23523054	23523253	Gmdrm	hypo	CHH	-0.0866
Gm13	23541776	23542749	Gmdrm	hypo	CHH	-0.2123
Gm13	23543343	23544332	Gmdrm	hypo	CHH	-0.1136
Gm13	23544439	23544912	Gmdrm	hypo	CHH	-0.0242
Gm13	23547272	23548271	Gmdrm	hypo	CHH	-0.014
Gm13	23555295	23556293	Gmdrm	hypo	CHH	-0.1026
Gm13	23556297	23556831	Gmdrm	hypo	CHH	-0.1229

Gm13	23557960	23558761	Gmdrm	hypo	CHH	-0.0166
Gm13	23578054	23579049	Gmdrm	hypo	CHH	-0.0491
Gm13	23579068	23580026	Gmdrm	hypo	CHH	-0.0629
Gm13	23581089	23582069	Gmdrm	hypo	CHH	-0.0189
Gm13	23584164	23585159	Gmdrm	hypo	CHH	-0.0152
Gm13	23590705	23590826	Gmdrm	hypo	CHH	-0.06
Gm13	23594969	23595951	Gmdrm	hypo	CHH	-0.0442
Gm13	23596978	23597381	Gmdrm	hypo	CHH	-0.0475
Gm13	23603103	23603291	Gmdrm	hypo	CHH	-0.0309
Gm13	23607306	23608213	Gmdrm	hypo	CHH	-0.0115
Gm13	23608330	23609280	Gmdrm	hypo	CHH	-0.0173
Gm13	23612973	23613745	Gmdrm	hypo	CHH	-0.0315
Gm13	23613979	23614349	Gmdrm	hypo	CHH	-0.0506
Gm13	23622996	23623994	Gmdrm	hypo	CHH	-0.0106
Gm13	23625934	23626929	Gmdrm	hypo	CHH	-0.021
Gm13	23635741	23636733	Gmdrm	hypo	CHH	-0.0642
Gm13	23649450	23650425	Gmdrm	hypo	CHH	-0.017
Gm13	23650458	23651450	Gmdrm	hypo	CHH	-0.0409
Gm13	23652768	23653728	Gmdrm	hypo	CHH	-0.0285
Gm13	23662306	23663287	Gmdrm	hypo	CHH	-0.021
Gm13	23671523	23672495	Gmdrm	hypo	CHH	-0.0175
Gm13	23676637	23677618	Gmdrm	hypo	CHH	-0.0259
Gm13	23677641	23678639	Gmdrm	hypo	CHH	-0.049
Gm13	23678698	23679123	Gmdrm	hypo	CHH	-0.0732
Gm13	23681174	23682172	Gmdrm	hypo	CHH	-0.0145
Gm13	23683759	23684715	Gmdrm	hypo	CHH	-0.0166
Gm13	23688457	23689250	Gmdrm	hypo	CHH	-0.0444
Gm13	23696565	23697541	Gmdrm	hypo	CHH	-0.0108
Gm13	23697581	23698578	Gmdrm	hypo	CHH	-0.0325
Gm13	23698589	23699588	Gmdrm	hypo	CHH	-0.1784
Gm13	23703085	23703896	Gmdrm	hypo	CHH	-0.0147
Gm13	23704407	23705397	Gmdrm	hypo	CHH	-0.0828
Gm13	23711337	23712331	Gmdrm	hypo	CHH	-0.017
Gm13	23718716	23719713	Gmdrm	hypo	CHH	-0.1162
Gm13	23719718	23720710	Gmdrm	hypo	CHH	-0.139
Gm13	23740306	23741282	Gmdrm	hypo	CHH	-0.2186
Gm13	23741665	23741807	Gmdrm	hypo	CHH	-0.036
Gm13	23743948	23744539	Gmdrm	hypo	CHH	-0.2446
Gm13	23748522	23749494	Gmdrm	hypo	CHH	-0.1425
Gm13	23774980	23775979	Gmdrm	hypo	CHH	-0.0306
Gm13	23776988	23777974	Gmdrm	hypo	CHH	-0.0613
Gm13	23779005	23780005	Gmdrm	hypo	CHH	-0.0178
Gm13	23783661	23784322	Gmdrm	hypo	CHH	-0.0235
Gm13	23789944	23790839	Gmdrm	hypo	CHH	-0.0206
Gm13	23796649	23797649	Gmdrm	hypo	CHH	-0.1118
Gm13	23798657	23799656	Gmdrm	hypo	CHH	-0.0486

Gm13	23799659	23800656 Gmdrm	hypo	CHH	-0.0815
Gm13	23807288	23808284 Gmdrm	hypo	CHH	-0.0536
Gm13	23808290	23809267 Gmdrm	hypo	CHH	-0.073
Gm13	23811479	23811711 Gmdrm	hypo	CHH	-0.0262
Gm13	23817627	23818600 Gmdrm	hypo	CHH	-0.0568
Gm13	23837777	23838768 Gmdrm	hypo	CHH	-0.0269
Gm13	23838780	23839737 Gmdrm	hypo	CHH	-0.0481
Gm13	23841815	23842811 Gmdrm	hypo	CHH	-0.0149
Gm13	23845219	23846202 Gmdrm	hypo	CHH	-0.0231
Gm13	23846233	23847221 Gmdrm	hypo	CHH	-0.1623
Gm13	23847234	23848100 Gmdrm	hypo	CHH	-0.1758
Gm13	23855988	23856981 Gmdrm	hypo	CHH	-0.0136
Gm13	23858484	23859481 Gmdrm	hypo	CHH	-0.0369
Gm13	23859491	23859687 Gmdrm	hypo	CHH	-0.037
Gm13	23864886	23865884 Gmdrm	hypo	CHH	-0.0286
Gm13	23865889	23866876 Gmdrm	hypo	CHH	-0.0287
Gm13	23872346	23873332 Gmdrm	hypo	CHH	-0.0494
Gm13	23873354	23874324 Gmdrm	hypo	CHH	-0.0099
Gm13	23878360	23879360 Gmdrm	hypo	CHH	-0.0151
Gm13	23902211	23903208 Gmdrm	hypo	CHH	-0.0586
Gm13	23907237	23908221 Gmdrm	hypo	CHH	-0.0156
Gm13	23910466	23911461 Gmdrm	hypo	CHH	-0.0367
Gm13	23914107	23915071 Gmdrm	hypo	CHH	-0.0149
Gm13	23915108	23916106 Gmdrm	hypo	CHH	-0.0548
Gm13	23916111	23917110 Gmdrm	hypo	CHH	-0.0478
Gm13	23926182	23927182 Gmdrm	hypo	CHH	-0.0405
Gm13	23927199	23928185 Gmdrm	hypo	CHH	-0.0117
Gm13	23932742	23933740 Gmdrm	hypo	CHH	-0.0361
Gm13	23933759	23934752 Gmdrm	hypo	CHH	-0.0131
Gm13	23941707	23942702 Gmdrm	hypo	CHH	-0.1224
Gm13	23942710	23943168 Gmdrm	hypo	CHH	-0.0892
Gm13	23945435	23946411 Gmdrm	hypo	CHH	-0.017
Gm13	23954330	23954508 Gmdrm	hypo	CHH	-0.044
Gm13	23956685	23956939 Gmdrm	hypo	CHH	-0.4118
Gm13	23961499	23962466 Gmdrm	hypo	CHH	-0.0746
Gm13	23962553	23963541 Gmdrm	hypo	CHH	-0.0365
Gm13	23967819	23968816 Gmdrm	hypo	CHH	-0.1368
Gm13	23968832	23969822 Gmdrm	hypo	CHH	-0.0583
Gm13	23970875	23971064 Gmdrm	hypo	CHH	-0.0378
Gm13	23974393	23975364 Gmdrm	hypo	CHH	-0.0258
Gm13	23997749	23998190 Gmdrm	hypo	CHH	-0.1803
Gm13	23998527	23999521 Gmdrm	hypo	CHH	-0.0284
Gm13	24007136	24008135 Gmdrm	hypo	CHH	-0.0886
Gm13	24008145	24009141 Gmdrm	hypo	CHH	-0.0246
Gm13	24009150	24009723 Gmdrm	hypo	CHH	-0.0224
Gm13	24013721	24014719 Gmdrm	hypo	CHH	-0.0507

Gm13	24014722	24015713	Gmdrm	hypo	CHH	-0.095
Gm13	24017776	24018737	Gmdrm	hypo	CHH	-0.1089
Gm13	24026831	24027816	Gmdrm	hypo	CHH	-0.02
Gm13	24032703	24033694	Gmdrm	hypo	CHH	-0.0106
Gm13	24055320	24056317	Gmdrm	hypo	CHH	-0.0839
Gm13	24056324	24057304	Gmdrm	hypo	CHH	-0.0318
Gm13	24061626	24061941	Gmdrm	hypo	CHH	-0.0492
Gm13	24066514	24066935	Gmdrm	hypo	CHH	-0.0443
Gm13	24075796	24076783	Gmdrm	hypo	CHH	-0.0379
Gm13	24076824	24077813	Gmdrm	hypo	CHH	-0.0828
Gm13	24079916	24080888	Gmdrm	hypo	CHH	-0.0853
Gm13	24084344	24085340	Gmdrm	hypo	CHH	-0.0223
Gm13	24085346	24086346	Gmdrm	hypo	CHH	-0.059
Gm13	24090418	24091418	Gmdrm	hypo	CHH	-0.0369
Gm13	24096049	24097036	Gmdrm	hypo	CHH	-0.029
Gm13	24109531	24110513	Gmdrm	hypo	CHH	-0.0198
Gm13	24124890	24125875	Gmdrm	hypo	CHH	-0.0414
Gm13	24133761	24134285	Gmdrm	hypo	CHH	-0.0329
Gm13	24138243	24139227	Gmdrm	hypo	CHH	-0.1227
Gm13	24142553	24143538	Gmdrm	hypo	CHH	-0.0211
Gm13	24147627	24148624	Gmdrm	hypo	CHH	-0.177
Gm13	24148630	24149397	Gmdrm	hypo	CHH	-0.2989
Gm13	24160474	24161472	Gmdrm	hypo	CHH	-0.0943
Gm13	24162920	24163918	Gmdrm	hypo	CHH	-0.04
Gm13	24164976	24165971	Gmdrm	hypo	CHH	-0.0176
Gm13	24170823	24171809	Gmdrm	hypo	CHH	-0.0176
Gm13	24173864	24174077	Gmdrm	hypo	CHH	-0.03
Gm13	24182511	24183479	Gmdrm	hypo	CHH	-0.0552
Gm13	24195474	24196467	Gmdrm	hypo	CHH	-0.0571
Gm13	24205030	24206025	Gmdrm	hypo	CHH	-0.0102
Gm13	24211289	24212277	Gmdrm	hypo	CHH	-0.0191
Gm13	24215270	24216269	Gmdrm	hypo	CHH	-0.0425
Gm13	24216273	24216846	Gmdrm	hypo	CHH	-0.0508
Gm13	24223182	24224178	Gmdrm	hypo	CHH	-0.0164
Gm13	24224194	24225191	Gmdrm	hypo	CHH	-0.0119
Gm13	24229120	24230119	Gmdrm	hypo	CHH	-0.0829
Gm13	24230121	24231078	Gmdrm	hypo	CHH	-0.0339
Gm13	24245017	24246008	Gmdrm	hypo	CHH	-0.1246
Gm13	24246020	24247002	Gmdrm	hypo	CHH	-0.0344
Gm13	24253571	24254555	Gmdrm	hypo	CHH	-0.0137
Gm13	24254583	24255581	Gmdrm	hypo	CHH	-0.1511
Gm13	24256613	24257608	Gmdrm	hypo	CHH	-0.0139
Gm13	24259260	24259567	Gmdrm	hypo	CHH	-0.1535
Gm13	24265065	24265339	Gmdrm	hypo	CHH	-0.0353
Gm13	24269486	24270209	Gmdrm	hypo	CHH	-0.1248
Gm13	24277619	24278615	Gmdrm	hypo	CHH	-0.0116

Gm13	24278650	24279618	Gmdrm	hypo	CHH	-0.0674
Gm13	24279696	24280696	Gmdrm	hypo	CHH	-0.0985
Gm13	24285006	24285531	Gmdrm	hypo	CHH	-0.2697
Gm13	24294200	24295198	Gmdrm	hypo	CHH	-0.0382
Gm13	24295213	24296154	Gmdrm	hypo	CHH	-0.0583
Gm13	24297023	24297953	Gmdrm	hypo	CHH	-0.0354
Gm13	24309351	24310333	Gmdrm	hypo	CHH	-0.0235
Gm13	24311374	24312370	Gmdrm	hypo	CHH	-0.0218
Gm13	24330429	24331419	Gmdrm	hypo	CHH	-0.1105
Gm13	24338583	24339577	Gmdrm	hypo	CHH	-0.0215
Gm13	24340601	24341262	Gmdrm	hypo	CHH	-0.017
Gm13	24341505	24342504	Gmdrm	hypo	CHH	-0.2665
Gm13	24343509	24344509	Gmdrm	hypo	CHH	-0.0795
Gm13	24344512	24345507	Gmdrm	hypo	CHH	-0.1357
Gm13	24348202	24349202	Gmdrm	hypo	CHH	-0.0665
Gm13	24349204	24350191	Gmdrm	hypo	CHH	-0.0225
Gm13	24359003	24359988	Gmdrm	hypo	CHH	-0.0259
Gm13	24360042	24361042	Gmdrm	hypo	CHH	-0.0134
Gm13	24361063	24361989	Gmdrm	hypo	CHH	-0.0393
Gm13	24369463	24370462	Gmdrm	hypo	CHH	-0.0947
Gm13	24373447	24374442	Gmdrm	hypo	CHH	-0.0404
Gm13	24374462	24375462	Gmdrm	hypo	CHH	-0.0241
Gm13	24375466	24376450	Gmdrm	hypo	CHH	-0.0258
Gm13	24391951	24392930	Gmdrm	hypo	CHH	-0.0131
Gm13	24394975	24395974	Gmdrm	hypo	CHH	-0.0129
Gm13	24403819	24404814	Gmdrm	hypo	CHH	-0.0762
Gm13	24404838	24405216	Gmdrm	hypo	CHH	-0.0365
Gm13	24421803	24422800	Gmdrm	hypo	CHH	-0.3007
Gm13	24422804	24423803	Gmdrm	hypo	CHH	-0.042
Gm13	24429048	24430043	Gmdrm	hypo	CHH	-0.0623
Gm13	24430050	24431042	Gmdrm	hypo	CHH	-0.0154
Gm13	24431053	24432049	Gmdrm	hypo	CHH	-0.1488
Gm13	24432056	24433055	Gmdrm	hypo	CHH	-0.0492
Gm13	24435103	24436099	Gmdrm	hypo	CHH	-0.029
Gm13	24440103	24441081	Gmdrm	hypo	CHH	-0.017
Gm13	24441118	24442103	Gmdrm	hypo	CHH	-0.0437
Gm13	24442124	24443120	Gmdrm	hypo	CHH	-0.3236
Gm13	24447179	24447688	Gmdrm	hypo	CHH	-0.0626
Gm13	24452573	24453562	Gmdrm	hypo	CHH	-0.047
Gm13	24463404	24463961	Gmdrm	hypo	CHH	-0.0998
Gm13	24464301	24465278	Gmdrm	hypo	CHH	-0.0658
Gm13	24470645	24471645	Gmdrm	hypo	CHH	-0.0171
Gm13	24480930	24481468	Gmdrm	hypo	CHH	-0.0514
Gm13	24481572	24482556	Gmdrm	hypo	CHH	-0.0118
Gm13	24482589	24483561	Gmdrm	hypo	CHH	-0.0125
Gm13	24483590	24484470	Gmdrm	hypo	CHH	-0.0194

Gm13	24491436	24492430	Gmdrm	hypo	CHH	-0.0826
Gm13	24492456	24493382	Gmdrm	hypo	CHH	-0.1782
Gm13	24494322	24494898	Gmdrm	hypo	CHH	-0.0324
Gm13	24496916	24497837	Gmdrm	hypo	CHH	-0.1287
Gm13	24497919	24498897	Gmdrm	hypo	CHH	-0.0348
Gm13	24519930	24520929	Gmdrm	hypo	CHH	-0.2086
Gm13	24520935	24521931	Gmdrm	hypo	CHH	-0.0746
Gm13	24523949	24524949	Gmdrm	hypo	CHH	-0.1661
Gm13	24524953	24525209	Gmdrm	hypo	CHH	-0.244
Gm13	24531950	24532389	Gmdrm	hypo	CHH	-0.0177
Gm13	24533568	24534549	Gmdrm	hypo	CHH	-0.0248
Gm13	24534578	24535563	Gmdrm	hypo	CHH	-0.0115
Gm13	24541057	24541456	Gmdrm	hypo	CHH	-0.0217
Gm13	24547378	24547797	Gmdrm	hypo	CHH	-0.2253
Gm13	24548097	24549097	Gmdrm	hypo	CHH	-0.098
Gm13	24549098	24550094	Gmdrm	hypo	CHH	-0.1545
Gm13	24555294	24556265	Gmdrm	hypo	CHH	-0.0224
Gm13	24572354	24573350	Gmdrm	hypo	CHH	-0.0206
Gm13	24597561	24598560	Gmdrm	hypo	CHH	-0.0533
Gm13	24598604	24599597	Gmdrm	hypo	CHH	-0.0815
Gm13	24599606	24600572	Gmdrm	hypo	CHH	-0.0665
Gm13	24600611	24601611	Gmdrm	hypo	CHH	-0.0187
Gm13	24602666	24603665	Gmdrm	hypo	CHH	-0.152
Gm13	24603668	24604615	Gmdrm	hypo	CHH	-0.1355
Gm13	24605708	24606677	Gmdrm	hypo	CHH	-0.0119
Gm13	24613013	24614011	Gmdrm	hypo	CHH	-0.0873
Gm13	24616050	24617041	Gmdrm	hypo	CHH	-0.1349
Gm13	24618257	24619255	Gmdrm	hypo	CHH	-0.3731
Gm13	24622389	24623358	Gmdrm	hypo	CHH	-0.0183
Gm13	24626657	24627634	Gmdrm	hypo	CHH	-0.0201
Gm13	24628661	24629652	Gmdrm	hypo	CHH	-0.0462
Gm13	24631674	24632658	Gmdrm	hypo	CHH	-0.0432
Gm13	24633178	24634171	Gmdrm	hypo	CHH	-0.0175
Gm13	24644863	24645860	Gmdrm	hypo	CHH	-0.1759
Gm13	24645878	24646878	Gmdrm	hypo	CHH	-0.182
Gm13	24650470	24650878	Gmdrm	hypo	CHH	-0.0229
Gm13	24656271	24657268	Gmdrm	hypo	CHH	-0.0464
Gm13	24663699	24664698	Gmdrm	hypo	CHH	-0.0319
Gm13	24682488	24683471	Gmdrm	hypo	CHH	-0.0246
Gm13	24683493	24684475	Gmdrm	hypo	CHH	-0.075
Gm13	24684506	24685151	Gmdrm	hypo	CHH	-0.0326
Gm13	24689373	24690348	Gmdrm	hypo	CHH	-0.0618
Gm13	24692132	24692767	Gmdrm	hypo	CHH	-0.0161
Gm13	24692927	24693926	Gmdrm	hypo	CHH	-0.1848
Gm13	24693928	24694372	Gmdrm	hypo	CHH	-0.3824
Gm13	24696635	24697464	Gmdrm	hypo	CHH	-0.0368

Gm13	24698184	24699183	Gmdrm	hypo	CHH	-0.0473
Gm13	24699198	24700189	Gmdrm	hypo	CHH	-0.0743
Gm13	24703203	24704187	Gmdrm	hypo	CHH	-0.0362
Gm13	24704207	24705201	Gmdrm	hypo	CHH	-0.0525
Gm13	24705211	24706211	Gmdrm	hypo	CHH	-0.0148
Gm13	24706214	24707119	Gmdrm	hypo	CHH	-0.2868
Gm13	24722382	24723377	Gmdrm	hypo	CHH	-0.0688
Gm13	24728658	24729648	Gmdrm	hypo	CHH	-0.0291
Gm13	24729665	24730654	Gmdrm	hypo	CHH	-0.0143
Gm13	24730677	24730937	Gmdrm	hypo	CHH	-0.0384
Gm13	24733459	24734426	Gmdrm	hypo	CHH	-0.017
Gm13	24734788	24735786	Gmdrm	hypo	CHH	-0.0401
Gm13	24738809	24739647	Gmdrm	hypo	CHH	-0.0572
Gm13	24740805	24741805	Gmdrm	hypo	CHH	-0.2149
Gm13	24746678	24747678	Gmdrm	hypo	CHH	-0.0352
Gm13	24776026	24777016	Gmdrm	hypo	CHH	-0.0259
Gm13	24777028	24778028	Gmdrm	hypo	CHH	-0.0147
Gm13	24785726	24786726	Gmdrm	hypo	CHH	-0.0396
Gm13	24786734	24787724	Gmdrm	hypo	CHH	-0.0493
Gm13	24796670	24797666	Gmdrm	hypo	CHH	-0.0689
Gm13	24798678	24799671	Gmdrm	hypo	CHH	-0.0677
Gm13	24811563	24812562	Gmdrm	hypo	CHH	-0.1197
Gm13	24812564	24813564	Gmdrm	hypo	CHH	-0.0606
Gm13	24813566	24814563	Gmdrm	hypo	CHH	-0.0722
Gm13	24814568	24815561	Gmdrm	hypo	CHH	-0.1286
Gm13	24815574	24816558	Gmdrm	hypo	CHH	-0.0366
Gm13	24845028	24846001	Gmdrm	hypo	CHH	-0.0158
Gm13	24855114	24856046	Gmdrm	hypo	CHH	-0.0176
Gm13	24856582	24857576	Gmdrm	hypo	CHH	-0.1246
Gm13	24857587	24858581	Gmdrm	hypo	CHH	-0.0723
Gm13	24858589	24859292	Gmdrm	hypo	CHH	-0.063
Gm13	24862435	24863419	Gmdrm	hypo	CHH	-0.0399
Gm13	24872618	24873608	Gmdrm	hypo	CHH	-0.2114
Gm13	24875792	24876648	Gmdrm	hypo	CHH	-0.0217
Gm13	24891184	24892152	Gmdrm	hypo	CHH	-0.0236
Gm13	24892212	24893208	Gmdrm	hypo	CHH	-0.0626
Gm13	24895219	24896217	Gmdrm	hypo	CHH	-0.0414
Gm13	24905671	24906645	Gmdrm	hypo	CHH	-0.0181
Gm13	24909461	24910423	Gmdrm	hypo	CHH	-0.0203
Gm13	24916095	24917085	Gmdrm	hypo	CHH	-0.2812
Gm13	24917100	24918071	Gmdrm	hypo	CHH	-0.0505
Gm13	24920096	24921082	Gmdrm	hypo	CHH	-0.0158
Gm13	24923115	24924107	Gmdrm	hypo	CHH	-0.3071
Gm13	24927055	24927350	Gmdrm	hypo	CHH	-0.06
Gm13	24937200	24938200	Gmdrm	hypo	CHH	-0.0693
Gm13	24938202	24938970	Gmdrm	hypo	CHH	-0.0224

Gm13	24950765	24951759	Gmdrm	hypo	CHH	-0.042
Gm13	24952773	24953771	Gmdrm	hypo	CHH	-0.0683
Gm13	24969811	24970800	Gmdrm	hypo	CHH	-0.0708
Gm13	24975836	24976832	Gmdrm	hypo	CHH	-0.1074
Gm13	24986098	24987088	Gmdrm	hypo	CHH	-0.0212
Gm13	24987106	24988090	Gmdrm	hypo	CHH	-0.0706
Gm13	24988108	24989103	Gmdrm	hypo	CHH	-0.0312
Gm13	24993204	24994199	Gmdrm	hypo	CHH	-0.082
Gm13	24997931	24998492	Gmdrm	hypo	CHH	-0.0126
Gm13	25013799	25013876	Gmdrm	hypo	CHH	-0.0933
Gm13	25018801	25018873	Gmdrm	hypo	CHH	-0.036
Gm13	25018980	25019965	Gmdrm	hypo	CHH	-0.0274
Gm13	25022017	25022979	Gmdrm	hypo	CHH	-0.08
Gm13	25023020	25024016	Gmdrm	hypo	CHH	-0.074
Gm13	25027387	25028383	Gmdrm	hypo	CHH	-0.108
Gm13	25028389	25028649	Gmdrm	hypo	CHH	-0.1227
Gm13	25028759	25029739	Gmdrm	hypo	CHH	-0.0295
Gm13	25034988	25035987	Gmdrm	hypo	CHH	-0.0296
Gm13	25035989	25036953	Gmdrm	hypo	CHH	-0.0174
Gm13	25039992	25040943	Gmdrm	hypo	CHH	-0.0412
Gm13	25040995	25041990	Gmdrm	hypo	CHH	-0.0288
Gm13	25052232	25053183	Gmdrm	hypo	CHH	-0.1162
Gm13	25059100	25060016	Gmdrm	hypo	CHH	-0.026
Gm13	25074872	25075818	Gmdrm	hypo	CHH	-0.0305
Gm13	25080975	25081900	Gmdrm	hypo	CHH	-0.0128
Gm13	25082149	25083149	Gmdrm	hypo	CHH	-0.1898
Gm13	25083150	25083219	Gmdrm	hypo	CHH	-0.2515
Gm13	25083626	25084597	Gmdrm	hypo	CHH	-0.0254
Gm13	25090144	25091139	Gmdrm	hypo	CHH	-0.0715
Gm13	25104205	25104361	Gmdrm	hypo	CHH	-0.075
Gm13	25105475	25106469	Gmdrm	hypo	CHH	-0.0406
Gm13	25106481	25107473	Gmdrm	hypo	CHH	-0.0773
Gm13	25108501	25109501	Gmdrm	hypo	CHH	-0.0747
Gm13	25109506	25110463	Gmdrm	hypo	CHH	-0.0455
Gm13	25110656	25111653	Gmdrm	hypo	CHH	-0.018
Gm13	25111658	25112088	Gmdrm	hypo	CHH	-0.0412
Gm13	25124608	25125579	Gmdrm	hypo	CHH	-0.0212
Gm13	25127280	25128259	Gmdrm	hypo	CHH	-0.0339
Gm13	25130415	25130714	Gmdrm	hypo	CHH	-0.0265
Gm13	25134790	25135555	Gmdrm	hypo	CHH	-0.0185
Gm13	25141419	25142412	Gmdrm	hypo	CHH	-0.0564
Gm13	25142420	25143415	Gmdrm	hypo	CHH	-0.0927
Gm13	25144427	25145113	Gmdrm	hypo	CHH	-0.0221
Gm13	25154966	25155966	Gmdrm	hypo	CHH	-0.0447
Gm13	25159991	25160797	Gmdrm	hypo	CHH	-0.0204
Gm13	25160961	25161958	Gmdrm	hypo	CHH	-0.0345

Gm13	25161965	25162961	Gmdrm	hypo	CHH	-0.0493
Gm13	25162985	25163985	Gmdrm	hypo	CHH	-0.1015
Gm13	25166603	25167590	Gmdrm	hypo	CHH	-0.0137
Gm13	25172353	25173353	Gmdrm	hypo	CHH	-0.0121
Gm13	25176410	25177406	Gmdrm	hypo	CHH	-0.0286
Gm13	25177419	25178419	Gmdrm	hypo	CHH	-0.0826
Gm13	25179353	25180262	Gmdrm	hypo	CHH	-0.0181
Gm13	25182395	25183392	Gmdrm	hypo	CHH	-0.0157
Gm13	25184456	25185437	Gmdrm	hypo	CHH	-0.0236
Gm13	25199709	25200707	Gmdrm	hypo	CHH	-0.024
Gm13	25200732	25201677	Gmdrm	hypo	CHH	-0.1136
Gm13	25211802	25212802	Gmdrm	hypo	CHH	-0.016
Gm13	25228104	25229099	Gmdrm	hypo	CHH	-0.2202
Gm13	25229108	25229884	Gmdrm	hypo	CHH	-0.0804
Gm13	25236242	25237198	Gmdrm	hypo	CHH	-0.0218
Gm13	25237254	25238252	Gmdrm	hypo	CHH	-0.0872
Gm13	25244468	25245458	Gmdrm	hypo	CHH	-0.0274
Gm13	25245476	25245627	Gmdrm	hypo	CHH	-0.0288
Gm13	25245748	25246724	Gmdrm	hypo	CHH	-0.0145
Gm13	25260706	25261686	Gmdrm	hypo	CHH	-0.0138
Gm13	25261717	25262715	Gmdrm	hypo	CHH	-0.0172
Gm13	25262720	25263709	Gmdrm	hypo	CHH	-0.0422
Gm13	25271512	25272509	Gmdrm	hypo	CHH	-0.0866
Gm13	25281947	25282917	Gmdrm	hypo	CHH	-0.0112
Gm13	25284004	25284988	Gmdrm	hypo	CHH	-0.016
Gm13	25290655	25291649	Gmdrm	hypo	CHH	-0.0163
Gm13	25291657	25292630	Gmdrm	hypo	CHH	-0.0627
Gm13	25293198	25294190	Gmdrm	hypo	CHH	-0.0197
Gm13	25294202	25295198	Gmdrm	hypo	CHH	-0.0801
Gm13	25295233	25296233	Gmdrm	hypo	CHH	-0.046
Gm13	25302813	25303811	Gmdrm	hypo	CHH	-0.0595
Gm13	25314307	25315274	Gmdrm	hypo	CHH	-0.0127
Gm13	25318494	25318563	Gmdrm	hypo	CHH	-0.0358
Gm13	25319830	25320829	Gmdrm	hypo	CHH	-0.048
Gm13	25328444	25329441	Gmdrm	hypo	CHH	-0.0149
Gm13	25335423	25336421	Gmdrm	hypo	CHH	-0.017
Gm13	25341936	25342924	Gmdrm	hypo	CHH	-0.0809
Gm13	25342946	25343924	Gmdrm	hypo	CHH	-0.0132
Gm13	25352786	25353774	Gmdrm	hypo	CHH	-0.0194
Gm13	25367326	25367555	Gmdrm	hypo	CHH	-0.044
Gm13	25369168	25370164	Gmdrm	hypo	CHH	-0.2071
Gm13	25370172	25371168	Gmdrm	hypo	CHH	-0.1745
Gm13	25380825	25381808	Gmdrm	hypo	CHH	-0.0261
Gm13	25388973	25389968	Gmdrm	hypo	CHH	-0.2202
Gm13	25404923	25405877	Gmdrm	hypo	CHH	-0.125
Gm13	25428757	25429735	Gmdrm	hypo	CHH	-0.0243

Gm13	25429785	25430772	Gmdrm	hypo	CHH	-0.0222
Gm13	25436636	25437613	Gmdrm	hypo	CHH	-0.024
Gm13	25439786	25439991	Gmdrm	hypo	CHH	-0.0204
Gm13	25440980	25441957	Gmdrm	hypo	CHH	-0.0179
Gm13	25442567	25443564	Gmdrm	hypo	CHH	-0.0169
Gm13	25447592	25448546	Gmdrm	hypo	CHH	-0.0686
Gm13	25448987	25449984	Gmdrm	hypo	CHH	-0.0144
Gm13	25450665	25451655	Gmdrm	hypo	CHH	-0.0147
Gm13	25457417	25458373	Gmdrm	hypo	CHH	-0.0288
Gm13	25465244	25466243	Gmdrm	hypo	CHH	-0.0708
Gm13	25477403	25478400	Gmdrm	hypo	CHH	-0.3269
Gm13	25478408	25478578	Gmdrm	hypo	CHH	-0.1435
Gm13	25478716	25479716	Gmdrm	hypo	CHH	-0.1509
Gm13	25479727	25480421	Gmdrm	hypo	CHH	-0.0425
Gm13	25496160	25496305	Gmdrm	hypo	CHH	-0.0929
Gm13	25500162	25501137	Gmdrm	hypo	CHH	-0.0319
Gm13	25509598	25510593	Gmdrm	hypo	CHH	-0.0155
Gm13	25511603	25512590	Gmdrm	hypo	CHH	-0.014
Gm13	25512610	25513610	Gmdrm	hypo	CHH	-0.0475
Gm13	25527142	25528133	Gmdrm	hypo	CHH	-0.0136
Gm13	25529147	25529796	Gmdrm	hypo	CHH	-0.2742
Gm13	25531860	25532857	Gmdrm	hypo	CHH	-0.0101
Gm13	25532897	25533894	Gmdrm	hypo	CHH	-0.0186
Gm13	25538933	25539925	Gmdrm	hypo	CHH	-0.0999
Gm13	25552096	25553095	Gmdrm	hypo	CHH	-0.0643
Gm13	25557166	25558157	Gmdrm	hypo	CHH	-0.2466
Gm13	25558176	25559176	Gmdrm	hypo	CHH	-0.0793
Gm13	25574356	25574761	Gmdrm	hypo	CHH	-0.1322
Gm13	25602053	25603030	Gmdrm	hypo	CHH	-0.1042
Gm13	25604774	25605760	Gmdrm	hypo	CHH	-0.0818
Gm13	25618963	25619959	Gmdrm	hypo	CHH	-0.02
Gm13	25623302	25624289	Gmdrm	hypo	CHH	-0.098
Gm13	25624305	25624990	Gmdrm	hypo	CHH	-0.0947
Gm13	25630023	25631019	Gmdrm	hypo	CHH	-0.2191
Gm13	25631035	25631353	Gmdrm	hypo	CHH	-0.2083
Gm13	25649800	25650799	Gmdrm	hypo	CHH	-0.0673
Gm13	25650801	25651778	Gmdrm	hypo	CHH	-0.2776
Gm13	25655065	25656051	Gmdrm	hypo	CHH	-0.074
Gm13	25662313	25663298	Gmdrm	hypo	CHH	-0.1863
Gm13	25710176	25711075	Gmdrm	hypo	CHH	-0.1231
Gm13	25713090	25714045	Gmdrm	hypo	CHH	-0.0354
Gm13	25716272	25717258	Gmdrm	hypo	CHH	-0.095
Gm13	25717299	25718297	Gmdrm	hypo	CHH	-0.0744
Gm13	25719726	25720712	Gmdrm	hypo	CHH	-0.0844
Gm13	25723790	25724764	Gmdrm	hypo	CHH	-0.0292
Gm13	25729013	25729997	Gmdrm	hypo	CHH	-0.1285

Gm13	25732747	25733746	Gmdrm	hypo	CHH	-0.0746
Gm13	25738517	25739504	Gmdrm	hypo	CHH	-0.0175
Gm13	25747096	25747647	Gmdrm	hypo	CHH	-0.0319
Gm13	25848586	25849573	Gmdrm	hypo	CHH	-0.0258
Gm13	25851622	25852592	Gmdrm	hypo	CHH	-0.0189
Gm13	25855119	25856111	Gmdrm	hypo	CHH	-0.0224
Gm13	25865778	25866777	Gmdrm	hypo	CHH	-0.1812
Gm13	25866779	25867576	Gmdrm	hypo	CHH	-0.0611
Gm13	25870609	25871584	Gmdrm	hypo	CHH	-0.015
Gm13	25872687	25873684	Gmdrm	hypo	CHH	-0.0384
Gm13	25875198	25876176	Gmdrm	hypo	CHH	-0.0226
Gm13	25876207	25876381	Gmdrm	hypo	CHH	-0.0319
Gm13	25880334	25881151	Gmdrm	hypo	CHH	-0.0454
Gm13	25881259	25882226	Gmdrm	hypo	CHH	-0.0782
Gm13	25891424	25892422	Gmdrm	hypo	CHH	-0.0749
Gm13	25892425	25892882	Gmdrm	hypo	CHH	-0.2539
Gm13	25900221	25901216	Gmdrm	hypo	CHH	-0.0531
Gm13	25901225	25902205	Gmdrm	hypo	CHH	-0.0969
Gm13	25902239	25902805	Gmdrm	hypo	CHH	-0.1424
Gm13	25907948	25908849	Gmdrm	hypo	CHH	-0.0362
Gm13	25911050	25912002	Gmdrm	hypo	CHH	-0.1125
Gm13	25919098	25919496	Gmdrm	hypo	CHH	-0.1143
Gm13	25923851	25924659	Gmdrm	hypo	CHH	-0.0235
Gm13	25925821	25926813	Gmdrm	hypo	CHH	-0.0132
Gm13	25931275	25932274	Gmdrm	hypo	CHH	-0.107
Gm13	25949761	25950752	Gmdrm	hypo	CHH	-0.0157
Gm13	25971089	25972086	Gmdrm	hypo	CHH	-0.014
Gm13	25972092	25973080	Gmdrm	hypo	CHH	-0.0632
Gm13	25973099	25974054	Gmdrm	hypo	CHH	-0.0365
Gm13	25975597	25975835	Gmdrm	hypo	CHH	-0.0507
Gm13	25978116	25979110	Gmdrm	hypo	CHH	-0.0405
Gm13	25979130	25980123	Gmdrm	hypo	CHH	-0.0207
Gm13	25991707	25992705	Gmdrm	hypo	CHH	-0.0141
Gm13	25999761	26000747	Gmdrm	hypo	CHH	-0.1043
Gm13	26004957	26005957	Gmdrm	hypo	CHH	-0.0307
Gm13	26021675	26022673	Gmdrm	hypo	CHH	-0.1377
Gm13	26022677	26023673	Gmdrm	hypo	CHH	-0.0553
Gm13	26032346	26033339	Gmdrm	hypo	CHH	-0.0293
Gm13	26033435	26034435	Gmdrm	hypo	CHH	-0.0743
Gm13	26034439	26035434	Gmdrm	hypo	CHH	-0.0262
Gm13	26040625	26041616	Gmdrm	hypo	CHH	-0.0173
Gm13	26041677	26042638	Gmdrm	hypo	CHH	-0.0108
Gm13	26072708	26073699	Gmdrm	hypo	CHH	-0.0701
Gm13	26073746	26074745	Gmdrm	hypo	CHH	-0.0621
Gm13	26074748	26075055	Gmdrm	hypo	CHH	-0.1049
Gm13	26076172	26076852	Gmdrm	hypo	CHH	-0.0891

Gm13	26079867	26080858	Gmdrm	hypo	CHH	-0.1621
Gm13	26080904	26081882	Gmdrm	hypo	CHH	-0.0289
Gm13	26082987	26083751	Gmdrm	hypo	CHH	-0.1252
Gm13	26086555	26087554	Gmdrm	hypo	CHH	-0.0366
Gm13	26095247	26096247	Gmdrm	hypo	CHH	-0.03
Gm13	26102549	26103216	Gmdrm	hypo	CHH	-0.0211
Gm13	26114904	26115887	Gmdrm	hypo	CHH	-0.033
Gm13	26116930	26117886	Gmdrm	hypo	CHH	-0.05
Gm13	26121824	26122587	Gmdrm	hypo	CHH	-0.1278
Gm13	26124843	26125841	Gmdrm	hypo	CHH	-0.1062
Gm13	26142832	26143829	Gmdrm	hypo	CHH	-0.0399
Gm13	26145112	26146106	Gmdrm	hypo	CHH	-0.1197
Gm13	26146113	26147095	Gmdrm	hypo	CHH	-0.1449
Gm13	26152201	26153187	Gmdrm	hypo	CHH	-0.0263
Gm13	26153245	26154182	Gmdrm	hypo	CHH	-0.0234
Gm13	26158988	26159975	Gmdrm	hypo	CHH	-0.1018
Gm13	26160995	26161991	Gmdrm	hypo	CHH	-0.191
Gm13	26183064	26184054	Gmdrm	hypo	CHH	-0.0311
Gm13	26184066	26184360	Gmdrm	hypo	CHH	-0.0776
Gm13	26198877	26199063	Gmdrm	hypo	CHH	-0.0833
Gm13	26200171	26200794	Gmdrm	hypo	CHH	-0.0614
Gm13	26209827	26210824	Gmdrm	hypo	CHH	-0.0519
Gm13	26217930	26218930	Gmdrm	hypo	CHH	-0.0252
Gm13	26218933	26219694	Gmdrm	hypo	CHH	-0.0538
Gm13	26223906	26224904	Gmdrm	hypo	CHH	-0.0493
Gm13	26224910	26225910	Gmdrm	hypo	CHH	-0.0214
Gm13	26234202	26235157	Gmdrm	hypo	CHH	-0.0823
Gm13	26235246	26236227	Gmdrm	hypo	CHH	-0.055
Gm13	26236248	26236837	Gmdrm	hypo	CHH	-0.016
Gm13	26255446	26256433	Gmdrm	hypo	CHH	-0.0446
Gm13	26256463	26257431	Gmdrm	hypo	CHH	-0.0144
Gm13	26267590	26268358	Gmdrm	hypo	CHH	-0.0137
Gm13	26268495	26269492	Gmdrm	hypo	CHH	-0.0264
Gm13	26269497	26270110	Gmdrm	hypo	CHH	-0.0231
Gm13	26270472	26271468	Gmdrm	hypo	CHH	-0.0339
Gm13	26276922	26277908	Gmdrm	hypo	CHH	-0.0108
Gm13	26279146	26280120	Gmdrm	hypo	CHH	-0.0147
Gm13	26301600	26302177	Gmdrm	hypo	CHH	-0.0519
Gm13	26315341	26316340	Gmdrm	hypo	CHH	-0.0741
Gm13	26318372	26319370	Gmdrm	hypo	CHH	-0.0328
Gm13	26327572	26328566	Gmdrm	hypo	CHH	-0.0292
Gm13	26346736	26347721	Gmdrm	hypo	CHH	-0.0603
Gm13	26347739	26348731	Gmdrm	hypo	CHH	-0.1168
Gm13	26348767	26349754	Gmdrm	hypo	CHH	-0.0365
Gm13	26352142	26353118	Gmdrm	hypo	CHH	-0.157
Gm13	26355580	26356556	Gmdrm	hypo	CHH	-0.1582

Gm13	26356583	26357575 Gmdrm	hypo	CHH	-0.0945
Gm13	26361851	26362851 Gmdrm	hypo	CHH	-0.0485
Gm13	26362862	26363744 Gmdrm	hypo	CHH	-0.0208
Gm13	26367550	26368540 Gmdrm	hypo	CHH	-0.0679
Gm13	26382169	26383159 Gmdrm	hypo	CHH	-0.0159
Gm13	26387201	26388201 Gmdrm	hypo	CHH	-0.0542
Gm13	26388216	26388509 Gmdrm	hypo	CHH	-0.0712
Gm13	26390686	26391686 Gmdrm	hypo	CHH	-0.0347
Gm13	26394730	26395408 Gmdrm	hypo	CHH	-0.0442
Gm13	26395598	26396541 Gmdrm	hypo	CHH	-0.1088
Gm13	26426510	26427507 Gmdrm	hypo	CHH	-0.1544
Gm13	26431373	26432373 Gmdrm	hypo	CHH	-0.0703
Gm13	26441302	26442299 Gmdrm	hypo	CHH	-0.2001
Gm13	26442309	26443309 Gmdrm	hypo	CHH	-0.1273
Gm13	26453784	26454784 Gmdrm	hypo	CHH	-0.1521
Gm13	26454788	26455574 Gmdrm	hypo	CHH	-0.2245
Gm13	26463510	26464093 Gmdrm	hypo	CHH	-0.0351
Gm13	26470750	26471341 Gmdrm	hypo	CHH	-0.0429
Gm13	26476403	26477375 Gmdrm	hypo	CHH	-0.0859
Gm13	26483300	26484298 Gmdrm	hypo	CHH	-0.0652
Gm13	26484311	26485296 Gmdrm	hypo	CHH	-0.0382
Gm13	26487374	26488372 Gmdrm	hypo	CHH	-0.0585
Gm13	26500159	26500589 Gmdrm	hypo	CHH	-0.0353
Gm13	26501731	26502731 Gmdrm	hypo	CHH	-0.0101
Gm13	26506235	26507233 Gmdrm	hypo	CHH	-0.0272
Gm13	26507241	26508214 Gmdrm	hypo	CHH	-0.0371
Gm13	26517344	26517855 Gmdrm	hypo	CHH	-0.0255
Gm13	26527965	26528934 Gmdrm	hypo	CHH	-0.2155
Gm13	26533366	26533524 Gmdrm	hypo	CHH	-0.1043
Gm13	26539363	26540347 Gmdrm	hypo	CHH	-0.0292
Gm13	26552931	26553926 Gmdrm	hypo	CHH	-0.0767
Gm13	26560580	26561549 Gmdrm	hypo	CHH	-0.0974
Gm13	26561696	26562691 Gmdrm	hypo	CHH	-0.0608
Gm13	26563185	26563458 Gmdrm	hypo	CHH	-0.139
Gm13	26564877	26565875 Gmdrm	hypo	CHH	-0.0552
Gm13	26565890	26566881 Gmdrm	hypo	CHH	-0.0286
Gm13	26574549	26575545 Gmdrm	hypo	CHH	-0.055
Gm13	26618111	26619108 Gmdrm	hypo	CHH	-0.0413
Gm13	26627359	26627670 Gmdrm	hypo	CHH	-0.05
Gm13	26631866	26632865 Gmdrm	hypo	CHH	-0.1975
Gm13	26632867	26633866 Gmdrm	hypo	CHH	-0.3969
Gm13	26661520	26662505 Gmdrm	hypo	CHH	-0.2777
Gm13	26663967	26664965 Gmdrm	hypo	CHH	-0.0181
Gm13	26664969	26665945 Gmdrm	hypo	CHH	-0.0276
Gm13	26671162	26672138 Gmdrm	hypo	CHH	-0.0562
Gm13	26672174	26672676 Gmdrm	hypo	CHH	-0.0403

Gm13	26682969	26683963	Gmdrm	hypo	CHH	-0.1455
Gm13	26684989	26685962	Gmdrm	hypo	CHH	-0.2011
Gm13	26687004	26688004	Gmdrm	hypo	CHH	-0.0753
Gm13	26689421	26689669	Gmdrm	hypo	CHH	-0.035
Gm13	26700212	26701087	Gmdrm	hypo	CHH	-0.067
Gm13	26701280	26702278	Gmdrm	hypo	CHH	-0.0324
Gm13	26702284	26703266	Gmdrm	hypo	CHH	-0.0739
Gm13	26706756	26707749	Gmdrm	hypo	CHH	-0.1039
Gm13	26707773	26708414	Gmdrm	hypo	CHH	-0.085
Gm13	26712159	26712356	Gmdrm	hypo	CHH	-0.0375
Gm13	26724466	26725445	Gmdrm	hypo	CHH	-0.0574
Gm13	26731067	26732062	Gmdrm	hypo	CHH	-0.0428
Gm13	26732073	26733073	Gmdrm	hypo	CHH	-0.2247
Gm13	26735118	26736112	Gmdrm	hypo	CHH	-0.0207
Gm13	26743006	26744003	Gmdrm	hypo	CHH	-0.0347
Gm13	26751561	26752498	Gmdrm	hypo	CHH	-0.0912
Gm13	26752979	26753755	Gmdrm	hypo	CHH	-0.0179
Gm13	26764575	26765282	Gmdrm	hypo	CHH	-0.0877
Gm13	26769348	26770348	Gmdrm	hypo	CHH	-0.1195
Gm13	26771382	26772379	Gmdrm	hypo	CHH	-0.0776
Gm13	26775407	26776096	Gmdrm	hypo	CHH	-0.0203
Gm13	26780286	26781286	Gmdrm	hypo	CHH	-0.0178
Gm13	26803415	26804394	Gmdrm	hypo	CHH	-0.1495
Gm13	26805468	26806462	Gmdrm	hypo	CHH	-0.1083
Gm13	26807520	26807815	Gmdrm	hypo	CHH	-0.0364
Gm13	26824998	26825995	Gmdrm	hypo	CHH	-0.0697
Gm13	26826009	26826942	Gmdrm	hypo	CHH	-0.0167
Gm13	26830931	26831894	Gmdrm	hypo	CHH	-0.0196
Gm13	26842470	26843457	Gmdrm	hypo	CHH	-0.121
Gm13	26843521	26844514	Gmdrm	hypo	CHH	-0.0175
Gm13	26846086	26846759	Gmdrm	hypo	CHH	-0.0459
Gm13	26848237	26848833	Gmdrm	hypo	CHH	-0.0366
Gm13	26855036	26856030	Gmdrm	hypo	CHH	-0.1152
Gm13	26858052	26858828	Gmdrm	hypo	CHH	-0.0195
Gm13	26859970	26860635	Gmdrm	hypo	CHH	-0.0674
Gm13	26860742	26861716	Gmdrm	hypo	CHH	-0.0219
Gm13	26866421	26866561	Gmdrm	hypo	CHH	-0.0538
Gm13	26871624	26872611	Gmdrm	hypo	CHH	-0.0422
Gm13	26872641	26873631	Gmdrm	hypo	CHH	-0.0376
Gm13	26877465	26878460	Gmdrm	hypo	CHH	-0.0457
Gm13	26881893	26882832	Gmdrm	hypo	CHH	-0.0169
Gm13	26898706	26899700	Gmdrm	hypo	CHH	-0.0399
Gm13	26899707	26900707	Gmdrm	hypo	CHH	-0.065
Gm13	26901731	26902730	Gmdrm	hypo	CHH	-0.1271
Gm13	26902737	26903525	Gmdrm	hypo	CHH	-0.1421
Gm13	26905648	26906630	Gmdrm	hypo	CHH	-0.0333

Gm13	26906665	26907664	Gmdrm	hypo	CHH	-0.0854
Gm13	26911390	26912376	Gmdrm	hypo	CHH	-0.023
Gm13	26912744	26912793	Gmdrm	hypo	CHH	-0.1013
Gm13	26922234	26923204	Gmdrm	hypo	CHH	-0.0204
Gm13	26927786	26928785	Gmdrm	hypo	CHH	-0.0445
Gm13	26928787	26929753	Gmdrm	hypo	CHH	-0.1057
Gm13	26933493	26934483	Gmdrm	hypo	CHH	-0.0182
Gm13	26936508	26937494	Gmdrm	hypo	CHH	-0.0317
Gm13	26939319	26940316	Gmdrm	hypo	CHH	-0.0227
Gm13	26949591	26950076	Gmdrm	hypo	CHH	-0.024
Gm13	26951843	26952112	Gmdrm	hypo	CHH	-0.1075
Gm13	26954154	26955154	Gmdrm	hypo	CHH	-0.0235
Gm13	26962358	26963345	Gmdrm	hypo	CHH	-0.0432
Gm13	26966689	26967683	Gmdrm	hypo	CHH	-0.0638
Gm13	26967711	26968709	Gmdrm	hypo	CHH	-0.0445
Gm13	26979584	26980579	Gmdrm	hypo	CHH	-0.0409
Gm13	26980588	26981584	Gmdrm	hypo	CHH	-0.0458
Gm13	26982902	26983868	Gmdrm	hypo	CHH	-0.0252
Gm13	26983911	26984904	Gmdrm	hypo	CHH	-0.0144
Gm13	27002283	27002449	Gmdrm	hypo	CHH	-0.041
Gm13	27008200	27009200	Gmdrm	hypo	CHH	-0.029
Gm13	27009202	27010192	Gmdrm	hypo	CHH	-0.0663
Gm13	27025281	27025929	Gmdrm	hypo	CHH	-0.0257
Gm13	27039758	27040757	Gmdrm	hypo	CHH	-0.0198
Gm13	27043087	27044058	Gmdrm	hypo	CHH	-0.0143
Gm13	27046499	27047496	Gmdrm	hypo	CHH	-0.0173
Gm13	27051342	27052314	Gmdrm	hypo	CHH	-0.08
Gm13	27054388	27055372	Gmdrm	hypo	CHH	-0.0944
Gm13	27055392	27055929	Gmdrm	hypo	CHH	-0.0439
Gm13	27066579	27067578	Gmdrm	hypo	CHH	-0.1116
Gm13	27069594	27070592	Gmdrm	hypo	CHH	-0.0789
Gm13	27081426	27082398	Gmdrm	hypo	CHH	-0.0279
Gm13	27089627	27090322	Gmdrm	hypo	CHH	-0.0434
Gm13	27090433	27091429	Gmdrm	hypo	CHH	-0.0224
Gm13	27091461	27092442	Gmdrm	hypo	CHH	-0.1171
Gm13	27092796	27093795	Gmdrm	hypo	CHH	-0.0363
Gm13	27093819	27094815	Gmdrm	hypo	CHH	-0.041
Gm13	27095273	27096260	Gmdrm	hypo	CHH	-0.0234
Gm13	27099930	27100367	Gmdrm	hypo	CHH	-0.0747
Gm13	27101474	27102147	Gmdrm	hypo	CHH	-0.0183
Gm13	27103276	27104267	Gmdrm	hypo	CHH	-0.0732
Gm13	27109248	27110201	Gmdrm	hypo	CHH	-0.0164
Gm13	27113545	27114340	Gmdrm	hypo	CHH	-0.036
Gm13	27125855	27126855	Gmdrm	hypo	CHH	-0.171
Gm13	27126860	27127846	Gmdrm	hypo	CHH	-0.2665
Gm13	27127861	27128805	Gmdrm	hypo	CHH	-0.1505

Gm13	27133483	27134472	Gmdrm	hypo	CHH	-0.1712
Gm13	27134488	27135486	Gmdrm	hypo	CHH	-0.0662
Gm13	27135491	27135969	Gmdrm	hypo	CHH	-0.0175
Gm13	27136774	27137225	Gmdrm	hypo	CHH	-0.0521
Gm13	27145184	27146179	Gmdrm	hypo	CHH	-0.1092
Gm13	27146190	27146358	Gmdrm	hypo	CHH	-0.1878
Gm13	27146475	27147463	Gmdrm	hypo	CHH	-0.0759
Gm13	27151625	27152123	Gmdrm	hypo	CHH	-0.0333
Gm13	27157856	27158190	Gmdrm	hypo	CHH	-0.3509
Gm13	27171160	27171747	Gmdrm	hypo	CHH	-0.0241
Gm13	27184066	27185006	Gmdrm	hypo	CHH	-0.027
Gm13	27185219	27186205	Gmdrm	hypo	CHH	-0.0237
Gm13	27193487	27194480	Gmdrm	hypo	CHH	-0.0616
Gm13	27199636	27200635	Gmdrm	hypo	CHH	-0.0283
Gm13	27215437	27216430	Gmdrm	hypo	CHH	-0.0306
Gm13	27216451	27217444	Gmdrm	hypo	CHH	-0.0234
Gm13	27217473	27218473	Gmdrm	hypo	CHH	-0.0304
Gm13	27218486	27219476	Gmdrm	hypo	CHH	-0.026
Gm13	27219492	27219940	Gmdrm	hypo	CHH	-0.0341
Gm13	27223129	27224128	Gmdrm	hypo	CHH	-0.0579
Gm13	27224135	27225124	Gmdrm	hypo	CHH	-0.0413
Gm13	27230673	27231672	Gmdrm	hypo	CHH	-0.0164
Gm13	27231690	27232681	Gmdrm	hypo	CHH	-0.1377
Gm13	27232691	27233667	Gmdrm	hypo	CHH	-0.0573
Gm13	27234697	27235670	Gmdrm	hypo	CHH	-0.0759
Gm13	27236738	27237728	Gmdrm	hypo	CHH	-0.0143
Gm13	27238782	27239772	Gmdrm	hypo	CHH	-0.0216
Gm13	27243051	27244026	Gmdrm	hypo	CHH	-0.0234
Gm13	27254729	27255498	Gmdrm	hypo	CHH	-0.0226
Gm13	27260184	27261181	Gmdrm	hypo	CHH	-0.3396
Gm13	27262190	27263188	Gmdrm	hypo	CHH	-0.0235
Gm13	27266817	27267760	Gmdrm	hypo	CHH	-0.0428
Gm13	27277522	27278479	Gmdrm	hypo	CHH	-0.0151
Gm13	27279545	27280519	Gmdrm	hypo	CHH	-0.0273
Gm13	27288590	27289165	Gmdrm	hypo	CHH	-0.0313
Gm13	27289411	27290373	Gmdrm	hypo	CHH	-0.1188
Gm13	27290418	27291398	Gmdrm	hypo	CHH	-0.0237
Gm13	27294592	27295592	Gmdrm	hypo	CHH	-0.0804
Gm13	27295610	27296609	Gmdrm	hypo	CHH	-0.1288
Gm13	27296613	27296854	Gmdrm	hypo	CHH	-0.2162
Gm13	27318546	27319544	Gmdrm	hypo	CHH	-0.0459
Gm13	27337645	27338640	Gmdrm	hypo	CHH	-0.0192
Gm13	27341408	27341596	Gmdrm	hypo	CHH	-0.0821
Gm13	27341777	27342774	Gmdrm	hypo	CHH	-0.0796
Gm13	27342803	27343801	Gmdrm	hypo	CHH	-0.1202
Gm13	27343804	27344802	Gmdrm	hypo	CHH	-0.1085

Gm13	27346214	27347202	Gmdrm	hypo	CHH	-0.1289
Gm13	27352142	27353141	Gmdrm	hypo	CHH	-0.2458
Gm13	27353143	27354122	Gmdrm	hypo	CHH	-0.3082
Gm13	27382592	27382658	Gmdrm	hypo	CHH	-0.0967
Gm13	27386248	27387247	Gmdrm	hypo	CHH	-0.0207
Gm13	27394493	27395493	Gmdrm	hypo	CHH	-0.018
Gm13	27395501	27396442	Gmdrm	hypo	CHH	-0.0154
Gm13	27398523	27399127	Gmdrm	hypo	CHH	-0.0627
Gm13	27401378	27402356	Gmdrm	hypo	CHH	-0.017
Gm13	27403402	27404340	Gmdrm	hypo	CHH	-0.0132
Gm13	27405446	27406415	Gmdrm	hypo	CHH	-0.0717
Gm13	27410476	27411470	Gmdrm	hypo	CHH	-0.0485
Gm13	27416526	27417466	Gmdrm	hypo	CHH	-0.079
Gm13	27427963	27428959	Gmdrm	hypo	CHH	-0.037
Gm13	27440620	27440907	Gmdrm	hypo	CHH	-0.0485
Gm13	27441813	27442809	Gmdrm	hypo	CHH	-0.104
Gm13	27442816	27443815	Gmdrm	hypo	CHH	-0.087
Gm13	27457991	27458990	Gmdrm	hypo	CHH	-0.1141
Gm13	27459018	27459672	Gmdrm	hypo	CHH	-0.0281
Gm13	27471155	27472138	Gmdrm	hypo	CHH	-0.1041
Gm13	27472167	27473167	Gmdrm	hypo	CHH	-0.1147
Gm13	27473169	27474166	Gmdrm	hypo	CHH	-0.1423
Gm13	27474171	27475163	Gmdrm	hypo	CHH	-0.1566
Gm13	27476193	27477177	Gmdrm	hypo	CHH	-0.0139
Gm13	27493434	27494408	Gmdrm	hypo	CHH	-0.1557
Gm13	27494446	27495443	Gmdrm	hypo	CHH	-0.0917
Gm13	27495460	27495801	Gmdrm	hypo	CHH	-0.3009
Gm13	27508102	27508878	Gmdrm	hypo	CHH	-0.0465
Gm13	27516775	27517319	Gmdrm	hypo	CHH	-0.0457
Gm13	27525360	27526354	Gmdrm	hypo	CHH	-0.0105
Gm13	27559913	27560865	Gmdrm	hypo	CHH	-0.0177
Gm13	27563178	27564167	Gmdrm	hypo	CHH	-0.1267
Gm13	27566672	27567618	Gmdrm	hypo	CHH	-0.015
Gm13	27567688	27568669	Gmdrm	hypo	CHH	-0.1297
Gm13	27568689	27569685	Gmdrm	hypo	CHH	-0.1103
Gm13	27569707	27570675	Gmdrm	hypo	CHH	-0.1026
Gm13	27576306	27577306	Gmdrm	hypo	CHH	-0.0365
Gm13	27577311	27578298	Gmdrm	hypo	CHH	-0.084
Gm13	27584821	27585779	Gmdrm	hypo	CHH	-0.0169
Gm13	27586848	27587841	Gmdrm	hypo	CHH	-0.0894
Gm13	27592510	27593510	Gmdrm	hypo	CHH	-0.0708
Gm13	27593518	27594514	Gmdrm	hypo	CHH	-0.0123
Gm13	27594554	27595545	Gmdrm	hypo	CHH	-0.0683
Gm13	27596719	27597716	Gmdrm	hypo	CHH	-0.093
Gm13	27599751	27600675	Gmdrm	hypo	CHH	-0.2305
Gm13	27601456	27602451	Gmdrm	hypo	CHH	-0.0184

Gm13	27614889	27615883	Gmdrm	hypo	CHH	-0.1311
Gm13	27631061	27631263	Gmdrm	hypo	CHH	-0.075
Gm13	27632066	27632606	Gmdrm	hypo	CHH	-0.0484
Gm13	27634256	27635252	Gmdrm	hypo	CHH	-0.0192
Gm13	27642390	27643379	Gmdrm	hypo	CHH	-0.0145
Gm13	27649664	27650660	Gmdrm	hypo	CHH	-0.0746
Gm13	27651668	27652617	Gmdrm	hypo	CHH	-0.1031
Gm13	27659381	27660357	Gmdrm	hypo	CHH	-0.0163
Gm13	27663001	27663988	Gmdrm	hypo	CHH	-0.1809
Gm13	27664009	27664992	Gmdrm	hypo	CHH	-0.1532
Gm13	27665047	27666047	Gmdrm	hypo	CHH	-0.0717
Gm13	27671281	27672278	Gmdrm	hypo	CHH	-0.022
Gm13	27677344	27678341	Gmdrm	hypo	CHH	-0.1051
Gm13	27678345	27679321	Gmdrm	hypo	CHH	-0.0549
Gm13	27684566	27685462	Gmdrm	hypo	CHH	-0.0205
Gm13	27689115	27690070	Gmdrm	hypo	CHH	-0.06
Gm13	27701058	27701971	Gmdrm	hypo	CHH	-0.1127
Gm13	27711269	27711858	Gmdrm	hypo	CHH	-0.0504
Gm13	27713915	27714880	Gmdrm	hypo	CHH	-0.1628
Gm13	27728341	27729301	Gmdrm	hypo	CHH	-0.0202
Gm13	27731682	27732682	Gmdrm	hypo	CHH	-0.0368
Gm13	27735432	27736166	Gmdrm	hypo	CHH	-0.0504
Gm13	27758883	27759312	Gmdrm	hypo	CHH	-0.0237
Gm13	27763596	27764582	Gmdrm	hypo	CHH	-0.0264
Gm13	27764616	27765204	Gmdrm	hypo	CHH	-0.0674
Gm13	27767231	27768225	Gmdrm	hypo	CHH	-0.01
Gm13	27774012	27775007	Gmdrm	hypo	CHH	-0.024
Gm13	27775017	27775509	Gmdrm	hypo	CHH	-0.0279
Gm13	27784909	27785863	Gmdrm	hypo	CHH	-0.0777
Gm13	27794231	27795229	Gmdrm	hypo	CHH	-0.0613
Gm13	27795232	27796231	Gmdrm	hypo	CHH	-0.0285
Gm13	27801817	27802520	Gmdrm	hypo	CHH	-0.0717
Gm13	27803770	27804747	Gmdrm	hypo	CHH	-0.0112
Gm13	27804781	27805223	Gmdrm	hypo	CHH	-0.0558
Gm13	27807692	27808003	Gmdrm	hypo	CHH	-0.0346
Gm13	27808843	27809777	Gmdrm	hypo	CHH	-0.0172
Gm13	27813884	27814873	Gmdrm	hypo	CHH	-0.0568
Gm13	27814890	27815843	Gmdrm	hypo	CHH	-0.0763
Gm13	27826557	27827451	Gmdrm	hypo	CHH	-0.0166
Gm13	27829630	27830587	Gmdrm	hypo	CHH	-0.0309
Gm13	27840631	27841625	Gmdrm	hypo	CHH	-0.043
Gm13	27841639	27842589	Gmdrm	hypo	CHH	-0.0228
Gm13	27855378	27856378	Gmdrm	hypo	CHH	-0.1343
Gm13	27856383	27856431	Gmdrm	hypo	CHH	-0.1738
Gm13	27856532	27857525	Gmdrm	hypo	CHH	-0.0421
Gm13	27862026	27863026	Gmdrm	hypo	CHH	-0.0421

Gm13	27864044	27865008	Gmdrm	hypo	CHH	-0.1718
Gm13	27867138	27868138	Gmdrm	hypo	CHH	-0.0525
Gm13	27870162	27871161	Gmdrm	hypo	CHH	-0.038
Gm13	27872173	27873164	Gmdrm	hypo	CHH	-0.08
Gm13	27876625	27877601	Gmdrm	hypo	CHH	-0.1152
Gm13	27877664	27878658	Gmdrm	hypo	CHH	-0.1937
Gm13	27903495	27904493	Gmdrm	hypo	CHH	-0.063
Gm13	27904499	27905490	Gmdrm	hypo	CHH	-0.1635
Gm13	27905502	27906215	Gmdrm	hypo	CHH	-0.0769
Gm13	27908394	27908912	Gmdrm	hypo	CHH	-0.0233
Gm13	27915272	27916257	Gmdrm	hypo	CHH	-0.0593
Gm13	27916273	27917273	Gmdrm	hypo	CHH	-0.0819
Gm13	27921503	27922477	Gmdrm	hypo	CHH	-0.0548
Gm13	27924017	27925011	Gmdrm	hypo	CHH	-0.0098
Gm13	27945282	27946267	Gmdrm	hypo	CHH	-0.0531
Gm13	27946314	27947279	Gmdrm	hypo	CHH	-0.0192
Gm13	27948319	27949290	Gmdrm	hypo	CHH	-0.0183
Gm13	27953290	27954288	Gmdrm	hypo	CHH	-0.1105
Gm13	27955920	27956920	Gmdrm	hypo	CHH	-0.0614
Gm13	27964198	27965177	Gmdrm	hypo	CHH	-0.0231
Gm13	27968691	27969691	Gmdrm	hypo	CHH	-0.0488
Gm13	27972121	27973118	Gmdrm	hypo	CHH	-0.0888
Gm13	27992542	27993531	Gmdrm	hypo	CHH	-0.0224
Gm13	27999863	28000842	Gmdrm	hypo	CHH	-0.0112
Gm13	28001953	28002947	Gmdrm	hypo	CHH	-0.017
Gm13	28012699	28013139	Gmdrm	hypo	CHH	-0.0735
Gm13	28017548	28018377	Gmdrm	hypo	CHH	-0.0333
Gm13	28021955	28022099	Gmdrm	hypo	CHH	-0.0286
Gm13	28028371	28029368	Gmdrm	hypo	CHH	-0.0728
Gm13	28031367	28032358	Gmdrm	hypo	CHH	-0.167
Gm13	28042598	28043598	Gmdrm	hypo	CHH	-0.0388
Gm13	28043612	28044611	Gmdrm	hypo	CHH	-0.0667
Gm13	28045616	28046616	Gmdrm	hypo	CHH	-0.064
Gm13	28048261	28049202	Gmdrm	hypo	CHH	-0.0542
Gm13	28064144	28065137	Gmdrm	hypo	CHH	-0.0442
Gm13	28069734	28070712	Gmdrm	hypo	CHH	-0.019
Gm13	28077523	28078516	Gmdrm	hypo	CHH	-0.0633
Gm13	28078531	28078808	Gmdrm	hypo	CHH	-0.0756
Gm13	28089757	28090737	Gmdrm	hypo	CHH	-0.0242
Gm13	28091792	28092777	Gmdrm	hypo	CHH	-0.1734
Gm13	28096892	28097436	Gmdrm	hypo	CHH	-0.0149
Gm13	28101828	28102824	Gmdrm	hypo	CHH	-0.1351
Gm13	28102831	28103830	Gmdrm	hypo	CHH	-0.2582
Gm13	28103836	28104708	Gmdrm	hypo	CHH	-0.2823
Gm13	28116782	28117772	Gmdrm	hypo	CHH	-0.1226
Gm13	28126770	28127679	Gmdrm	hypo	CHH	-0.0517

Gm13	28128342	28129329	Gmdrm	hypo	CHH	-0.076
Gm13	28135478	28136459	Gmdrm	hypo	CHH	-0.1158
Gm13	28139730	28140692	Gmdrm	hypo	CHH	-0.0127
Gm13	28142789	28143736	Gmdrm	hypo	CHH	-0.0383
Gm13	28145664	28146664	Gmdrm	hypo	CHH	-0.0696
Gm13	28146668	28147664	Gmdrm	hypo	CHH	-0.1105
Gm13	28157357	28157394	Gmdrm	hypo	CHH	-0.2914
Gm13	28164448	28164695	Gmdrm	hypo	CHH	-0.2807
Gm13	28171615	28172615	Gmdrm	hypo	CHH	-0.0649
Gm13	28176472	28176699	Gmdrm	hypo	CHH	-0.1294
Gm13	28179873	28180867	Gmdrm	hypo	CHH	-0.1643
Gm13	28186186	28187183	Gmdrm	hypo	CHH	-0.1024
Gm13	28187189	28187250	Gmdrm	hypo	CHH	-0.08
Gm13	28187374	28188370	Gmdrm	hypo	CHH	-0.1479
Gm13	28188381	28189379	Gmdrm	hypo	CHH	-0.1473
Gm13	28195169	28196166	Gmdrm	hypo	CHH	-0.0575
Gm13	28196170	28197163	Gmdrm	hypo	CHH	-0.0782
Gm13	28197181	28198141	Gmdrm	hypo	CHH	-0.0929
Gm13	28200952	28201939	Gmdrm	hypo	CHH	-0.0168
Gm13	28201962	28202960	Gmdrm	hypo	CHH	-0.0582
Gm13	28207927	28208922	Gmdrm	hypo	CHH	-0.0197
Gm13	28209945	28210934	Gmdrm	hypo	CHH	-0.0893
Gm13	28210957	28211950	Gmdrm	hypo	CHH	-0.02
Gm13	28212965	28213963	Gmdrm	hypo	CHH	-0.0306
Gm13	28213980	28214293	Gmdrm	hypo	CHH	-0.0213
Gm13	28219176	28219968	Gmdrm	hypo	CHH	-0.0573
Gm13	28241908	28242663	Gmdrm	hypo	CHH	-0.0874
Gm13	28248291	28249289	Gmdrm	hypo	CHH	-0.1002
Gm13	28269741	28270722	Gmdrm	hypo	CHH	-0.0287
Gm13	28270754	28271700	Gmdrm	hypo	CHH	-0.0976
Gm13	28271790	28272786	Gmdrm	hypo	CHH	-0.0865
Gm13	28276303	28277293	Gmdrm	hypo	CHH	-0.0576
Gm13	28288699	28289692	Gmdrm	hypo	CHH	-0.018
Gm13	28293974	28294749	Gmdrm	hypo	CHH	-0.0263
Gm13	28300139	28301132	Gmdrm	hypo	CHH	-0.0292
Gm13	28318933	28319898	Gmdrm	hypo	CHH	-0.0677
Gm13	28319934	28320930	Gmdrm	hypo	CHH	-0.0741
Gm13	28323075	28323310	Gmdrm	hypo	CHH	-0.0376
Gm13	28341091	28342087	Gmdrm	hypo	CHH	-0.0648
Gm13	28349718	28350713	Gmdrm	hypo	CHH	-0.036
Gm13	28353153	28354116	Gmdrm	hypo	CHH	-0.1242
Gm13	28354164	28355125	Gmdrm	hypo	CHH	-0.0143
Gm13	28363635	28364634	Gmdrm	hypo	CHH	-0.0505
Gm13	28368457	28369444	Gmdrm	hypo	CHH	-0.0276
Gm13	28371310	28371453	Gmdrm	hypo	CHH	-0.0454
Gm13	28378783	28379195	Gmdrm	hypo	CHH	-0.0145

Gm13	28380572	28381228	Gmdrm	hypo	CHH	-0.0135
Gm13	28386260	28387243	Gmdrm	hypo	CHH	-0.1502
Gm13	28390319	28390440	Gmdrm	hypo	CHH	-0.084
Gm13	28393775	28394749	Gmdrm	hypo	CHH	-0.0166
Gm13	28397964	28398957	Gmdrm	hypo	CHH	-0.0382
Gm13	28413951	28414909	Gmdrm	hypo	CHH	-0.0217
Gm13	28426910	28427905	Gmdrm	hypo	CHH	-0.0614
Gm13	28439123	28440122	Gmdrm	hypo	CHH	-0.0652
Gm13	28440129	28441129	Gmdrm	hypo	CHH	-0.0286
Gm13	28471272	28472244	Gmdrm	hypo	CHH	-0.0975
Gm13	28472278	28473276	Gmdrm	hypo	CHH	-0.0932
Gm13	28482214	28483211	Gmdrm	hypo	CHH	-0.0451
Gm13	28483218	28484214	Gmdrm	hypo	CHH	-0.1416
Gm13	28486096	28487088	Gmdrm	hypo	CHH	-0.0649
Gm13	28501168	28502123	Gmdrm	hypo	CHH	-0.1209
Gm13	28509494	28510488	Gmdrm	hypo	CHH	-0.0834
Gm13	28510537	28511290	Gmdrm	hypo	CHH	-0.0353
Gm13	28511604	28512604	Gmdrm	hypo	CHH	-0.0923
Gm13	28512633	28513495	Gmdrm	hypo	CHH	-0.0145
Gm13	28540526	28541526	Gmdrm	hypo	CHH	-0.0268
Gm13	28541527	28542522	Gmdrm	hypo	CHH	-0.0419
Gm13	28543546	28544497	Gmdrm	hypo	CHH	-0.0198
Gm13	28556934	28557886	Gmdrm	hypo	CHH	-0.0878
Gm13	28566332	28567319	Gmdrm	hypo	CHH	-0.0256
Gm13	28569208	28570206	Gmdrm	hypo	CHH	-0.0299
Gm13	28570224	28571223	Gmdrm	hypo	CHH	-0.0318
Gm13	28571231	28572223	Gmdrm	hypo	CHH	-0.0715
Gm13	28572251	28573249	Gmdrm	hypo	CHH	-0.0947
Gm13	28583433	28584408	Gmdrm	hypo	CHH	-0.018
Gm13	28584446	28585417	Gmdrm	hypo	CHH	-0.0192
Gm13	28588179	28588508	Gmdrm	hypo	CHH	-0.0148
Gm13	28596347	28597314	Gmdrm	hypo	CHH	-0.0945
Gm13	28619960	28620954	Gmdrm	hypo	CHH	-0.0176
Gm13	28624064	28625059	Gmdrm	hypo	CHH	-0.0189
Gm13	28626085	28627083	Gmdrm	hypo	CHH	-0.1012
Gm13	28630448	28631432	Gmdrm	hypo	CHH	-0.0304
Gm13	28634767	28634994	Gmdrm	hypo	CHH	-0.0643
Gm13	28658284	28659284	Gmdrm	hypo	CHH	-0.0173
Gm13	28670062	28671061	Gmdrm	hypo	CHH	-0.0425
Gm13	28675158	28676158	Gmdrm	hypo	CHH	-0.0953
Gm13	28676161	28677064	Gmdrm	hypo	CHH	-0.1175
Gm13	28686664	28687228	Gmdrm	hypo	CHH	-0.0177
Gm13	28691852	28692840	Gmdrm	hypo	CHH	-0.0208
Gm13	28702038	28702998	Gmdrm	hypo	CHH	-0.015
Gm13	28703817	28704785	Gmdrm	hypo	CHH	-0.0178
Gm13	28708463	28709454	Gmdrm	hypo	CHH	-0.03

Gm13	28709468	28710430	Gmdrm	hypo	CHH	-0.0187
Gm13	28714069	28715067	Gmdrm	hypo	CHH	-0.0194
Gm13	28719829	28720819	Gmdrm	hypo	CHH	-0.1107
Gm13	28721415	28722408	Gmdrm	hypo	CHH	-0.0241
Gm13	28723463	28724441	Gmdrm	hypo	CHH	-0.0133
Gm13	28729709	28730700	Gmdrm	hypo	CHH	-0.0294
Gm13	28732107	28732775	Gmdrm	hypo	CHH	-0.0902
Gm13	28734905	28735879	Gmdrm	hypo	CHH	-0.0173
Gm13	28738932	28739931	Gmdrm	hypo	CHH	-0.0159
Gm13	28739935	28740502	Gmdrm	hypo	CHH	-0.1828
Gm13	28743977	28744964	Gmdrm	hypo	CHH	-0.0202
Gm13	28752972	28753972	Gmdrm	hypo	CHH	-0.1009
Gm13	28753975	28754975	Gmdrm	hypo	CHH	-0.2566
Gm13	28754977	28755919	Gmdrm	hypo	CHH	-0.1845
Gm13	28775594	28776578	Gmdrm	hypo	CHH	-0.0409
Gm13	28776602	28777320	Gmdrm	hypo	CHH	-0.0832
Gm13	28781434	28781514	Gmdrm	hypo	CHH	-0.3454
Gm13	28781844	28782843	Gmdrm	hypo	CHH	-0.0483
Gm13	28782845	28783840	Gmdrm	hypo	CHH	-0.0432
Gm13	28783856	28784851	Gmdrm	hypo	CHH	-0.0213
Gm13	28789062	28790058	Gmdrm	hypo	CHH	-0.0301
Gm13	28790079	28791056	Gmdrm	hypo	CHH	-0.0693
Gm13	28796147	28797144	Gmdrm	hypo	CHH	-0.0624
Gm13	28797163	28798154	Gmdrm	hypo	CHH	-0.0232
Gm13	28798174	28799174	Gmdrm	hypo	CHH	-0.0214
Gm13	28805404	28806380	Gmdrm	hypo	CHH	-0.0839
Gm13	28808160	28808223	Gmdrm	hypo	CHH	-0.084
Gm13	28808360	28809307	Gmdrm	hypo	CHH	-0.0373
Gm13	28826939	28827539	Gmdrm	hypo	CHH	-0.1529
Gm13	28827811	28828541	Gmdrm	hypo	CHH	-0.0467
Gm13	28838242	28839225	Gmdrm	hypo	CHH	-0.0121
Gm13	28844103	28845085	Gmdrm	hypo	CHH	-0.1708
Gm13	28853225	28854202	Gmdrm	hypo	CHH	-0.0236
Gm13	28855012	28855985	Gmdrm	hypo	CHH	-0.1108
Gm13	28856017	28857013	Gmdrm	hypo	CHH	-0.0705
Gm13	28857028	28858027	Gmdrm	hypo	CHH	-0.0537
Gm13	28858032	28859027	Gmdrm	hypo	CHH	-0.0768
Gm13	28870893	28871885	Gmdrm	hypo	CHH	-0.0254
Gm13	28893975	28894973	Gmdrm	hypo	CHH	-0.0242
Gm13	28898556	28899556	Gmdrm	hypo	CHH	-0.0858
Gm13	28899560	28900398	Gmdrm	hypo	CHH	-0.1071
Gm13	28902735	28903723	Gmdrm	hypo	CHH	-0.0595
Gm13	28914860	28915855	Gmdrm	hypo	CHH	-0.0319
Gm13	28930571	28931535	Gmdrm	hypo	CHH	-0.0169
Gm13	28934628	28935536	Gmdrm	hypo	CHH	-0.1342
Gm13	28942711	28943710	Gmdrm	hypo	CHH	-0.0202

Gm13	28946759	28947666	Gmdrm	hypo	CHH	-0.02
Gm13	28953558	28954544	Gmdrm	hypo	CHH	-0.0112
Gm13	28954565	28955563	Gmdrm	hypo	CHH	-0.1099
Gm13	28955567	28955777	Gmdrm	hypo	CHH	-0.2336
Gm13	28956284	28957260	Gmdrm	hypo	CHH	-0.0871
Gm13	28960353	28961334	Gmdrm	hypo	CHH	-0.03
Gm13	28961380	28962362	Gmdrm	hypo	CHH	-0.0778
Gm13	28972978	28973954	Gmdrm	hypo	CHH	-0.0314
Gm13	28973984	28974984	Gmdrm	hypo	CHH	-0.0397
Gm13	28974990	28975554	Gmdrm	hypo	CHH	-0.0347
Gm13	28981873	28982864	Gmdrm	hypo	CHH	-0.0288
Gm13	28982900	28983874	Gmdrm	hypo	CHH	-0.0386
Gm13	28989280	28989439	Gmdrm	hypo	CHH	-0.0367
Gm13	29008949	29009939	Gmdrm	hypo	CHH	-0.0361
Gm13	29014405	29015403	Gmdrm	hypo	CHH	-0.1505
Gm13	29015408	29016405	Gmdrm	hypo	CHH	-0.1398
Gm13	29025116	29026115	Gmdrm	hypo	CHH	-0.1821
Gm13	29027137	29028124	Gmdrm	hypo	CHH	-0.0567
Gm13	29032042	29033039	Gmdrm	hypo	CHH	-0.0835
Gm13	29033044	29033992	Gmdrm	hypo	CHH	-0.0936
Gm13	29038235	29039213	Gmdrm	hypo	CHH	-0.1422
Gm13	29039239	29040223	Gmdrm	hypo	CHH	-0.0755
Gm13	29040612	29041598	Gmdrm	hypo	CHH	-0.0794
Gm13	29054300	29055290	Gmdrm	hypo	CHH	-0.0211
Gm13	29055307	29056304	Gmdrm	hypo	CHH	-0.0238
Gm13	29064388	29065001	Gmdrm	hypo	CHH	-0.1644
Gm13	29070882	29071866	Gmdrm	hypo	CHH	-0.0806
Gm13	29071888	29072888	Gmdrm	hypo	CHH	-0.0645
Gm13	29072892	29073892	Gmdrm	hypo	CHH	-0.0316
Gm13	29075966	29076149	Gmdrm	hypo	CHH	-0.0258
Gm13	29079106	29080088	Gmdrm	hypo	CHH	-0.0203
Gm13	29089044	29090020	Gmdrm	hypo	CHH	-0.1328
Gm13	29100086	29101084	Gmdrm	hypo	CHH	-0.03
Gm13	29102976	29103962	Gmdrm	hypo	CHH	-0.0542
Gm13	29108854	29109839	Gmdrm	hypo	CHH	-0.0637
Gm13	29117940	29118133	Gmdrm	hypo	CHH	-0.0338
Gm13	29119590	29120586	Gmdrm	hypo	CHH	-0.1136
Gm13	29120603	29121204	Gmdrm	hypo	CHH	-0.0143
Gm13	29145406	29146391	Gmdrm	hypo	CHH	-0.0543
Gm13	29148701	29149701	Gmdrm	hypo	CHH	-0.1877
Gm13	29161359	29162345	Gmdrm	hypo	CHH	-0.0193
Gm13	29162365	29163364	Gmdrm	hypo	CHH	-0.0148
Gm13	29175986	29176976	Gmdrm	hypo	CHH	-0.2075
Gm13	29177003	29177983	Gmdrm	hypo	CHH	-0.0514
Gm13	29180912	29181643	Gmdrm	hypo	CHH	-0.0165
Gm13	29185937	29186937	Gmdrm	hypo	CHH	-0.0731

Gm13	29192223	29193209	Gmdrm	hypo	CHH	-0.0366
Gm13	29193229	29194228	Gmdrm	hypo	CHH	-0.0192
Gm13	29194269	29195264	Gmdrm	hypo	CHH	-0.0137
Gm13	29212303	29213297	Gmdrm	hypo	CHH	-0.0707
Gm13	29213310	29214308	Gmdrm	hypo	CHH	-0.1241
Gm13	29229416	29230204	Gmdrm	hypo	CHH	-0.1533
Gm13	29235536	29236533	Gmdrm	hypo	CHH	-0.0124
Gm13	29236543	29237535	Gmdrm	hypo	CHH	-0.0253
Gm13	29240027	29241018	Gmdrm	hypo	CHH	-0.0387
Gm13	29256259	29257247	Gmdrm	hypo	CHH	-0.0753
Gm13	29257265	29257840	Gmdrm	hypo	CHH	-0.1571
Gm13	29258202	29258687	Gmdrm	hypo	CHH	-0.0737
Gm13	29267495	29267878	Gmdrm	hypo	CHH	-0.0674
Gm13	29277516	29278513	Gmdrm	hypo	CHH	-0.0152
Gm13	29278534	29279532	Gmdrm	hypo	CHH	-0.0248
Gm13	29279550	29280542	Gmdrm	hypo	CHH	-0.0464
Gm13	29280565	29281562	Gmdrm	hypo	CHH	-0.0772
Gm13	29282614	29282809	Gmdrm	hypo	CHH	-0.04
Gm13	29292153	29293152	Gmdrm	hypo	CHH	-0.087
Gm13	29293155	29294154	Gmdrm	hypo	CHH	-0.1528
Gm13	29294163	29295152	Gmdrm	hypo	CHH	-0.0485
Gm13	29295168	29296128	Gmdrm	hypo	CHH	-0.0367
Gm13	29296173	29297173	Gmdrm	hypo	CHH	-0.0537
Gm13	29299217	29300209	Gmdrm	hypo	CHH	-0.0096
Gm13	29315770	29316747	Gmdrm	hypo	CHH	-0.0143
Gm13	29316805	29317653	Gmdrm	hypo	CHH	-0.0173
Gm13	29324802	29325802	Gmdrm	hypo	CHH	-0.0529
Gm13	29330011	29330997	Gmdrm	hypo	CHH	-0.0233
Gm13	29331032	29332030	Gmdrm	hypo	CHH	-0.0527
Gm13	29334989	29335974	Gmdrm	hypo	CHH	-0.0322
Gm13	29336012	29337010	Gmdrm	hypo	CHH	-0.04
Gm13	29337013	29338004	Gmdrm	hypo	CHH	-0.0515
Gm13	29348207	29349203	Gmdrm	hypo	CHH	-0.0385
Gm13	29349218	29350009	Gmdrm	hypo	CHH	-0.3115
Gm13	29355943	29356155	Gmdrm	hypo	CHH	-0.0779
Gm13	29366588	29367585	Gmdrm	hypo	CHH	-0.0112
Gm13	29389853	29390658	Gmdrm	hypo	CHH	-0.0318
Gm13	29403120	29403875	Gmdrm	hypo	CHH	-0.0142
Gm13	29406696	29407690	Gmdrm	hypo	CHH	-0.0447
Gm13	29407715	29408690	Gmdrm	hypo	CHH	-0.0223
Gm13	29410299	29411299	Gmdrm	hypo	CHH	-0.0132
Gm13	29412304	29413006	Gmdrm	hypo	CHH	-0.029
Gm13	29414179	29415173	Gmdrm	hypo	CHH	-0.0586
Gm13	29423334	29424326	Gmdrm	hypo	CHH	-0.0582
Gm13	29424345	29425330	Gmdrm	hypo	CHH	-0.059
Gm13	29440314	29440405	Gmdrm	hypo	CHH	-0.06

Gm13	29443313	29444313	Gmdrm	hypo	CHH	-0.0142
Gm13	29451410	29452385	Gmdrm	hypo	CHH	-0.0122
Gm13	29452413	29453402	Gmdrm	hypo	CHH	-0.0822
Gm13	29453424	29454420	Gmdrm	hypo	CHH	-0.0359
Gm13	29454430	29455393	Gmdrm	hypo	CHH	-0.0243
Gm13	29460524	29461506	Gmdrm	hypo	CHH	-0.0956
Gm13	29461525	29462525	Gmdrm	hypo	CHH	-0.0284
Gm13	29470966	29471962	Gmdrm	hypo	CHH	-0.077
Gm13	29475560	29476316	Gmdrm	hypo	CHH	-0.0198
Gm13	29488260	29489224	Gmdrm	hypo	CHH	-0.031
Gm13	29495040	29496034	Gmdrm	hypo	CHH	-0.0259
Gm13	29496045	29497042	Gmdrm	hypo	CHH	-0.0172
Gm13	29504038	29504429	Gmdrm	hypo	CHH	-0.0814
Gm13	29504561	29505523	Gmdrm	hypo	CHH	-0.0561
Gm13	29509146	29510146	Gmdrm	hypo	CHH	-0.0542
Gm13	29510154	29511152	Gmdrm	hypo	CHH	-0.0315
Gm13	29511162	29512154	Gmdrm	hypo	CHH	-0.0381
Gm13	29512180	29513177	Gmdrm	hypo	CHH	-0.0724
Gm13	29513186	29513653	Gmdrm	hypo	CHH	-0.062
Gm13	29515373	29515465	Gmdrm	hypo	CHH	-0.05
Gm13	29523902	29524898	Gmdrm	hypo	CHH	-0.2623
Gm13	29525925	29526916	Gmdrm	hypo	CHH	-0.0449
Gm13	29531400	29532389	Gmdrm	hypo	CHH	-0.0102
Gm13	29533365	29534352	Gmdrm	hypo	CHH	-0.0119
Gm13	29542106	29542132	Gmdrm	hypo	CHH	-0.0446
Gm13	29562325	29563325	Gmdrm	hypo	CHH	-0.0159
Gm13	29573142	29574142	Gmdrm	hypo	CHH	-0.0122
Gm13	29574150	29575131	Gmdrm	hypo	CHH	-0.0208
Gm13	29576159	29577028	Gmdrm	hypo	CHH	-0.0394
Gm13	29600898	29601024	Gmdrm	hypo	CHH	-0.04
Gm13	29607414	29608413	Gmdrm	hypo	CHH	-0.0453
Gm13	29617112	29617360	Gmdrm	hypo	CHH	-0.024
Gm13	29620155	29620605	Gmdrm	hypo	CHH	-0.0306
Gm13	29632439	29633377	Gmdrm	hypo	CHH	-0.0113
Gm13	29652060	29652642	Gmdrm	hypo	CHH	-0.0441
Gm13	29659676	29660628	Gmdrm	hypo	CHH	-0.0219
Gm13	29663820	29664798	Gmdrm	hypo	CHH	-0.0306
Gm13	29689733	29690730	Gmdrm	hypo	CHH	-0.0206
Gm13	29695574	29696528	Gmdrm	hypo	CHH	-0.0767
Gm13	29697788	29698776	Gmdrm	hypo	CHH	-0.014
Gm13	29698791	29699760	Gmdrm	hypo	CHH	-0.1005
Gm13	29700820	29701715	Gmdrm	hypo	CHH	-0.0186
Gm13	29715561	29716559	Gmdrm	hypo	CHH	-0.1073
Gm13	29724216	29725215	Gmdrm	hypo	CHH	-0.2532
Gm13	29725224	29725946	Gmdrm	hypo	CHH	-0.0209
Gm13	29737443	29738440	Gmdrm	hypo	CHH	-0.0308

Gm13	29738486	29739471	Gmdrm	hypo	CHH	-0.0448
Gm13	29740881	29741670	Gmdrm	hypo	CHH	-0.0248
Gm13	29744957	29745950	Gmdrm	hypo	CHH	-0.0837
Gm13	29763896	29764888	Gmdrm	hypo	CHH	-0.0492
Gm13	29765909	29766889	Gmdrm	hypo	CHH	-0.1564
Gm13	29781965	29782958	Gmdrm	hypo	CHH	-0.0276
Gm13	29797234	29798203	Gmdrm	hypo	CHH	-0.043
Gm13	29806892	29807573	Gmdrm	hypo	CHH	-0.0283
Gm13	29821342	29822315	Gmdrm	hypo	CHH	-0.0239
Gm13	29822696	29823659	Gmdrm	hypo	CHH	-0.0171
Gm13	29823700	29824686	Gmdrm	hypo	CHH	-0.0259
Gm13	29824704	29825698	Gmdrm	hypo	CHH	-0.0179
Gm13	29843473	29843648	Gmdrm	hypo	CHH	-0.084
Gm13	29845812	29846807	Gmdrm	hypo	CHH	-0.1006
Gm13	29846815	29847722	Gmdrm	hypo	CHH	-0.0656
Gm13	29848630	29849534	Gmdrm	hypo	CHH	-0.0471
Gm13	29850413	29851397	Gmdrm	hypo	CHH	-0.025
Gm13	29856111	29857094	Gmdrm	hypo	CHH	-0.031
Gm13	29859143	29860102	Gmdrm	hypo	CHH	-0.0189
Gm13	29871559	29872553	Gmdrm	hypo	CHH	-0.02
Gm13	29872561	29873555	Gmdrm	hypo	CHH	-0.0124
Gm13	29873564	29874559	Gmdrm	hypo	CHH	-0.0177
Gm13	29892993	29893831	Gmdrm	hypo	CHH	-0.0189
Gm13	29898250	29898648	Gmdrm	hypo	CHH	-0.0232
Gm13	29914153	29915146	Gmdrm	hypo	CHH	-0.0242
Gm13	29915165	29916146	Gmdrm	hypo	CHH	-0.0647
Gm13	29922746	29923736	Gmdrm	hypo	CHH	-0.0298
Gm13	29942352	29943341	Gmdrm	hypo	CHH	-0.0592
Gm13	29943364	29944356	Gmdrm	hypo	CHH	-0.0158
Gm13	29950393	29951377	Gmdrm	hypo	CHH	-0.0586
Gm13	29963841	29964830	Gmdrm	hypo	CHH	-0.0423
Gm13	29965853	29966844	Gmdrm	hypo	CHH	-0.0408
Gm13	29966856	29967853	Gmdrm	hypo	CHH	-0.0205
Gm13	29967859	29968857	Gmdrm	hypo	CHH	-0.0559
Gm13	29968862	29969862	Gmdrm	hypo	CHH	-0.0527
Gm13	29975894	29976875	Gmdrm	hypo	CHH	-0.0863
Gm13	29976911	29977910	Gmdrm	hypo	CHH	-0.0185
Gm13	29987101	29988099	Gmdrm	hypo	CHH	-0.0261
Gm13	29988103	29989092	Gmdrm	hypo	CHH	-0.0595
Gm13	29994650	29995649	Gmdrm	hypo	CHH	-0.0463
Gm13	30018173	30019172	Gmdrm	hypo	CHH	-0.0153
Gm13	30029851	30030849	Gmdrm	hypo	CHH	-0.0299
Gm13	30032254	30033250	Gmdrm	hypo	CHH	-0.0177
Gm13	30033256	30034242	Gmdrm	hypo	CHH	-0.1427
Gm13	30037450	30038148	Gmdrm	hypo	CHH	-0.029
Gm13	30054967	30055960	Gmdrm	hypo	CHH	-0.0164

Gm13	30061247	30062247	Gmdrm	hypo	CHH	-0.0584
Gm13	30062251	30063228	Gmdrm	hypo	CHH	-0.043
Gm13	30063261	30064219	Gmdrm	hypo	CHH	-0.0121
Gm13	30064268	30065264	Gmdrm	hypo	CHH	-0.1439
Gm13	30072104	30073092	Gmdrm	hypo	CHH	-0.0262
Gm13	30073120	30074103	Gmdrm	hypo	CHH	-0.0152
Gm13	30075188	30076153	Gmdrm	hypo	CHH	-0.0089
Gm13	30079195	30079997	Gmdrm	hypo	CHH	-0.0205
Gm13	30080726	30081724	Gmdrm	hypo	CHH	-0.0562
Gm13	30081732	30082730	Gmdrm	hypo	CHH	-0.0413
Gm13	30083383	30084374	Gmdrm	hypo	CHH	-0.06
Gm13	30087580	30088562	Gmdrm	hypo	CHH	-0.0212
Gm13	30115748	30116748	Gmdrm	hypo	CHH	-0.1545
Gm13	30116750	30117748	Gmdrm	hypo	CHH	-0.1242
Gm13	30126396	30127384	Gmdrm	hypo	CHH	-0.0135
Gm13	30127413	30128402	Gmdrm	hypo	CHH	-0.0487
Gm13	30128421	30128919	Gmdrm	hypo	CHH	-0.0544
Gm13	30132570	30133564	Gmdrm	hypo	CHH	-0.0192
Gm13	30145616	30146612	Gmdrm	hypo	CHH	-0.0937
Gm13	30146623	30147604	Gmdrm	hypo	CHH	-0.0728
Gm13	30147644	30148634	Gmdrm	hypo	CHH	-0.063
Gm13	30148650	30149649	Gmdrm	hypo	CHH	-0.0436
Gm13	30150660	30151642	Gmdrm	hypo	CHH	-0.0128
Gm13	30155357	30155596	Gmdrm	hypo	CHH	-0.0715
Gm13	30163140	30163442	Gmdrm	hypo	CHH	-0.0606
Gm13	30165617	30166609	Gmdrm	hypo	CHH	-0.0151
Gm13	30166618	30167617	Gmdrm	hypo	CHH	-0.0138
Gm13	30167626	30168624	Gmdrm	hypo	CHH	-0.0619
Gm13	30168627	30169627	Gmdrm	hypo	CHH	-0.1646
Gm13	30174160	30174799	Gmdrm	hypo	CHH	-0.0539
Gm13	30174970	30175968	Gmdrm	hypo	CHH	-0.07
Gm13	30175977	30176361	Gmdrm	hypo	CHH	-0.0838
Gm13	30183968	30184967	Gmdrm	hypo	CHH	-0.0111
Gm13	30187106	30187687	Gmdrm	hypo	CHH	-0.1409
Gm13	30187806	30188146	Gmdrm	hypo	CHH	-0.0509
Gm13	30188675	30189525	Gmdrm	hypo	CHH	-0.166
Gm13	30218672	30219653	Gmdrm	hypo	CHH	-0.0147
Gm13	30225701	30226112	Gmdrm	hypo	CHH	-0.2569
Gm13	30226548	30227531	Gmdrm	hypo	CHH	-0.0218
Gm13	30229568	30229762	Gmdrm	hypo	CHH	-0.055
Gm13	30232104	30233100	Gmdrm	hypo	CHH	-0.0214
Gm13	30233106	30234105	Gmdrm	hypo	CHH	-0.1375
Gm13	30234124	30234235	Gmdrm	hypo	CHH	-0.1752
Gm13	30243767	30244716	Gmdrm	hypo	CHH	-0.1154
Gm13	30246202	30247191	Gmdrm	hypo	CHH	-0.0109
Gm13	30247210	30248207	Gmdrm	hypo	CHH	-0.0366

Gm13	30251250	30252240	Gmdrm	hypo	CHH	-0.0477
Gm13	30272362	30273361	Gmdrm	hypo	CHH	-0.1
Gm13	30300164	30301146	Gmdrm	hypo	CHH	-0.058
Gm13	30303339	30304339	Gmdrm	hypo	CHH	-0.0346
Gm13	30307402	30308397	Gmdrm	hypo	CHH	-0.0199
Gm13	30309427	30310142	Gmdrm	hypo	CHH	-0.0125
Gm13	30311564	30312351	Gmdrm	hypo	CHH	-0.0311
Gm13	30317157	30318149	Gmdrm	hypo	CHH	-0.0129
Gm13	30335164	30336134	Gmdrm	hypo	CHH	-0.0278
Gm13	30336446	30337440	Gmdrm	hypo	CHH	-0.0446
Gm13	30337447	30338443	Gmdrm	hypo	CHH	-0.0913
Gm13	30339806	30340783	Gmdrm	hypo	CHH	-0.384
Gm13	30340831	30341810	Gmdrm	hypo	CHH	-0.1529
Gm13	30341844	30342817	Gmdrm	hypo	CHH	-0.1164
Gm13	30358154	30358739	Gmdrm	hypo	CHH	-0.0265
Gm13	30360353	30360937	Gmdrm	hypo	CHH	-0.0237
Gm13	30361046	30361773	Gmdrm	hypo	CHH	-0.0153
Gm13	30365120	30366085	Gmdrm	hypo	CHH	-0.0315
Gm13	30366122	30367121	Gmdrm	hypo	CHH	-0.0834
Gm13	30367124	30367605	Gmdrm	hypo	CHH	-0.314
Gm13	30368262	30369230	Gmdrm	hypo	CHH	-0.2808
Gm13	30376332	30377285	Gmdrm	hypo	CHH	-0.0153
Gm13	30378411	30379405	Gmdrm	hypo	CHH	-0.0204
Gm13	30382121	30383117	Gmdrm	hypo	CHH	-0.0545
Gm13	30389197	30390197	Gmdrm	hypo	CHH	-0.0168
Gm13	30395936	30396926	Gmdrm	hypo	CHH	-0.0177
Gm13	30400760	30401751	Gmdrm	hypo	CHH	-0.0212
Gm13	30420435	30421430	Gmdrm	hypo	CHH	-0.0525
Gm13	30423454	30424051	Gmdrm	hypo	CHH	-0.0339
Gm13	30436747	30437260	Gmdrm	hypo	CHH	-0.0993
Gm13	30439762	30440759	Gmdrm	hypo	CHH	-0.0184
Gm13	30440795	30441791	Gmdrm	hypo	CHH	-0.0895
Gm13	30441807	30442747	Gmdrm	hypo	CHH	-0.0386
Gm13	30445555	30446554	Gmdrm	hypo	CHH	-0.015
Gm13	30447580	30448571	Gmdrm	hypo	CHH	-0.0211
Gm13	30453780	30454779	Gmdrm	hypo	CHH	-0.0158
Gm13	30455526	30455809	Gmdrm	hypo	CHH	-0.0306
Gm13	30457180	30458133	Gmdrm	hypo	CHH	-0.0161
Gm13	30464561	30465559	Gmdrm	hypo	CHH	-0.0168
Gm13	30477393	30477790	Gmdrm	hypo	CHH	-0.0403
Gm13	30488609	30488807	Gmdrm	hypo	CHH	-0.0493
Gm13	30489950	30490947	Gmdrm	hypo	CHH	-0.1591
Gm13	30490954	30491954	Gmdrm	hypo	CHH	-0.1225
Gm13	30493711	30494711	Gmdrm	hypo	CHH	-0.0135
Gm13	30506374	30506733	Gmdrm	hypo	CHH	-0.3614
Gm13	30511391	30512369	Gmdrm	hypo	CHH	-0.0175

Gm13	30513609	30514603	Gmdrm	hypo	CHH	-0.0232
Gm13	30514632	30515625	Gmdrm	hypo	CHH	-0.0262
Gm13	30524549	30525538	Gmdrm	hypo	CHH	-0.015
Gm13	30533235	30533670	Gmdrm	hypo	CHH	-0.022
Gm13	30536175	30537160	Gmdrm	hypo	CHH	-0.0798
Gm13	30545211	30546190	Gmdrm	hypo	CHH	-0.0752
Gm13	30554419	30555418	Gmdrm	hypo	CHH	-0.0641
Gm13	30555424	30556049	Gmdrm	hypo	CHH	-0.1009
Gm13	30561069	30562063	Gmdrm	hypo	CHH	-0.1093
Gm13	30570330	30571298	Gmdrm	hypo	CHH	-0.0126
Gm13	30586042	30587024	Gmdrm	hypo	CHH	-0.0197
Gm13	30587053	30587447	Gmdrm	hypo	CHH	-0.2357
Gm13	30588026	30588348	Gmdrm	hypo	CHH	-0.0271
Gm13	30597391	30598391	Gmdrm	hypo	CHH	-0.1253
Gm13	30598394	30599390	Gmdrm	hypo	CHH	-0.0921
Gm13	30600432	30601357	Gmdrm	hypo	CHH	-0.0317
Gm13	30612513	30613513	Gmdrm	hypo	CHH	-0.0853
Gm13	30613522	30614501	Gmdrm	hypo	CHH	-0.0713
Gm13	30615637	30616634	Gmdrm	hypo	CHH	-0.0386
Gm13	30623518	30624512	Gmdrm	hypo	CHH	-0.0146
Gm13	30624522	30624617	Gmdrm	hypo	CHH	-0.3234
Gm13	30624933	30625932	Gmdrm	hypo	CHH	-0.1099
Gm13	30628989	30629989	Gmdrm	hypo	CHH	-0.0186
Gm13	30641441	30642410	Gmdrm	hypo	CHH	-0.0165
Gm13	30647894	30648865	Gmdrm	hypo	CHH	-0.0144
Gm13	30654300	30655269	Gmdrm	hypo	CHH	-0.0165
Gm13	30655301	30656301	Gmdrm	hypo	CHH	-0.1113
Gm13	30672723	30673717	Gmdrm	hypo	CHH	-0.0419
Gm13	30683973	30684946	Gmdrm	hypo	CHH	-0.0166
Gm13	30691562	30692558	Gmdrm	hypo	CHH	-0.0126
Gm13	30692572	30693456	Gmdrm	hypo	CHH	-0.0286
Gm13	30693689	30694674	Gmdrm	hypo	CHH	-0.0277
Gm13	30696715	30697707	Gmdrm	hypo	CHH	-0.0175
Gm13	30699760	30700743	Gmdrm	hypo	CHH	-0.0308
Gm13	30708681	30709597	Gmdrm	hypo	CHH	-0.0298
Gm13	30713470	30714399	Gmdrm	hypo	CHH	-0.026
Gm13	30717494	30718489	Gmdrm	hypo	CHH	-0.0493
Gm13	30727449	30727870	Gmdrm	hypo	CHH	-0.0373
Gm13	30730417	30731117	Gmdrm	hypo	CHH	-0.0594
Gm13	30731223	30732215	Gmdrm	hypo	CHH	-0.0245
Gm13	30752407	30753392	Gmdrm	hypo	CHH	-0.0177
Gm13	30753430	30753913	Gmdrm	hypo	CHH	-0.0564
Gm13	30768537	30769517	Gmdrm	hypo	CHH	-0.0292
Gm13	30779400	30780347	Gmdrm	hypo	CHH	-0.0769
Gm13	30780404	30781389	Gmdrm	hypo	CHH	-0.0859
Gm13	30790079	30791073	Gmdrm	hypo	CHH	-0.013

Gm13	30806079	30807060	Gmdrm	hypo	CHH	-0.0624
Gm13	30807083	30808069	Gmdrm	hypo	CHH	-0.0769
Gm13	30808099	30809099	Gmdrm	hypo	CHH	-0.0562
Gm13	30811843	30812839	Gmdrm	hypo	CHH	-0.0779
Gm13	30814658	30815646	Gmdrm	hypo	CHH	-0.0889
Gm13	30816676	30817639	Gmdrm	hypo	CHH	-0.0322
Gm13	30817689	30818688	Gmdrm	hypo	CHH	-0.0252
Gm13	30821797	30822792	Gmdrm	hypo	CHH	-0.0398
Gm13	30831607	30832590	Gmdrm	hypo	CHH	-0.1357
Gm13	30832615	30833595	Gmdrm	hypo	CHH	-0.0143
Gm13	30840730	30841575	Gmdrm	hypo	CHH	-0.0826
Gm13	30856322	30857313	Gmdrm	hypo	CHH	-0.0428
Gm13	30876313	30877306	Gmdrm	hypo	CHH	-0.0145
Gm13	30880897	30881891	Gmdrm	hypo	CHH	-0.0564
Gm13	30881904	30882888	Gmdrm	hypo	CHH	-0.1107
Gm13	30902522	30903518	Gmdrm	hypo	CHH	-0.0832
Gm13	30913423	30914407	Gmdrm	hypo	CHH	-0.097
Gm13	30914432	30915430	Gmdrm	hypo	CHH	-0.2026
Gm13	30921708	30922702	Gmdrm	hypo	CHH	-0.0143
Gm13	30925154	30926143	Gmdrm	hypo	CHH	-0.0811
Gm13	30928774	30929774	Gmdrm	hypo	CHH	-0.0474
Gm13	30935559	30936535	Gmdrm	hypo	CHH	-0.0176
Gm13	30947370	30948369	Gmdrm	hypo	CHH	-0.1269
Gm13	30948371	30949304	Gmdrm	hypo	CHH	-0.0351
Gm13	30949374	30949851	Gmdrm	hypo	CHH	-0.0344
Gm13	30969414	30970405	Gmdrm	hypo	CHH	-0.0137
Gm13	30980991	30981952	Gmdrm	hypo	CHH	-0.0154
Gm13	30989624	30990616	Gmdrm	hypo	CHH	-0.0474
Gm13	30990625	30991621	Gmdrm	hypo	CHH	-0.028
Gm13	31007178	31008172	Gmdrm	hypo	CHH	-0.0218
Gm13	31020256	31021235	Gmdrm	hypo	CHH	-0.0709
Gm13	31021301	31022300	Gmdrm	hypo	CHH	-0.0768
Gm13	31037817	31037979	Gmdrm	hypo	CHH	-0.0992
Gm13	31038094	31039093	Gmdrm	hypo	CHH	-0.0785
Gm13	31046569	31046934	Gmdrm	hypo	CHH	-0.0386
Gm13	31058992	31059991	Gmdrm	hypo	CHH	-0.1443
Gm13	31059996	31060994	Gmdrm	hypo	CHH	-0.1056
Gm13	31061000	31062000	Gmdrm	hypo	CHH	-0.0708
Gm13	31062015	31062358	Gmdrm	hypo	CHH	-0.0228
Gm13	31066400	31067107	Gmdrm	hypo	CHH	-0.0389
Gm13	31068341	31069038	Gmdrm	hypo	CHH	-0.0321
Gm13	31069780	31070764	Gmdrm	hypo	CHH	-0.0166
Gm13	31070824	31071804	Gmdrm	hypo	CHH	-0.0173
Gm13	31092602	31093555	Gmdrm	hypo	CHH	-0.0381
Gm13	31095881	31096855	Gmdrm	hypo	CHH	-0.0239
Gm13	31104662	31105659	Gmdrm	hypo	CHH	-0.0395

Gm13	31114968	31115662	Gmdrm	hypo	CHH	-0.0191
Gm13	31116804	31117787	Gmdrm	hypo	CHH	-0.0632
Gm13	31118827	31119820	Gmdrm	hypo	CHH	-0.0543
Gm13	31132711	31133709	Gmdrm	hypo	CHH	-0.0206
Gm13	31137008	31138008	Gmdrm	hypo	CHH	-0.0197
Gm13	31139893	31140888	Gmdrm	hypo	CHH	-0.0194
Gm13	31141468	31141760	Gmdrm	hypo	CHH	-0.1
Gm13	31171097	31172085	Gmdrm	hypo	CHH	-0.0231
Gm13	31210503	31211488	Gmdrm	hypo	CHH	-0.0897
Gm13	31215582	31216576	Gmdrm	hypo	CHH	-0.0985
Gm13	31221772	31222765	Gmdrm	hypo	CHH	-0.2568
Gm13	31222773	31223773	Gmdrm	hypo	CHH	-0.2563
Gm13	31223783	31224759	Gmdrm	hypo	CHH	-0.122
Gm13	31225791	31226787	Gmdrm	hypo	CHH	-0.02
Gm13	31235886	31236886	Gmdrm	hypo	CHH	-0.0622
Gm13	31236897	31237831	Gmdrm	hypo	CHH	-0.0236
Gm13	31248300	31249296	Gmdrm	hypo	CHH	-0.0317
Gm13	31249305	31250305	Gmdrm	hypo	CHH	-0.0239
Gm13	31251324	31252286	Gmdrm	hypo	CHH	-0.0102
Gm13	31256380	31257353	Gmdrm	hypo	CHH	-0.0169
Gm13	31259115	31260107	Gmdrm	hypo	CHH	-0.0218
Gm13	31262529	31263528	Gmdrm	hypo	CHH	-0.1018
Gm13	31264536	31265535	Gmdrm	hypo	CHH	-0.1348
Gm13	31265540	31266498	Gmdrm	hypo	CHH	-0.0544
Gm13	31269910	31270910	Gmdrm	hypo	CHH	-0.0222
Gm13	31273963	31274944	Gmdrm	hypo	CHH	-0.0668
Gm13	31286270	31287248	Gmdrm	hypo	CHH	-0.0166
Gm13	31294043	31295025	Gmdrm	hypo	CHH	-0.0172
Gm13	31298360	31299348	Gmdrm	hypo	CHH	-0.0134
Gm13	31303049	31303993	Gmdrm	hypo	CHH	-0.0179
Gm13	31305941	31306923	Gmdrm	hypo	CHH	-0.0367
Gm13	31308033	31309004	Gmdrm	hypo	CHH	-0.0809
Gm13	31315661	31315824	Gmdrm	hypo	CHH	-0.0266
Gm13	31315931	31316361	Gmdrm	hypo	CHH	-0.0259
Gm13	31322565	31323338	Gmdrm	hypo	CHH	-0.0121
Gm13	31330493	31331489	Gmdrm	hypo	CHH	-0.0166
Gm13	31331529	31332528	Gmdrm	hypo	CHH	-0.0565
Gm13	31332535	31332845	Gmdrm	hypo	CHH	-0.0905
Gm13	31345482	31346478	Gmdrm	hypo	CHH	-0.1338
Gm13	31350236	31351232	Gmdrm	hypo	CHH	-0.0766
Gm13	31353861	31354842	Gmdrm	hypo	CHH	-0.0532
Gm13	31356623	31356912	Gmdrm	hypo	CHH	-0.0686
Gm13	31373007	31374005	Gmdrm	hypo	CHH	-0.034
Gm13	31375025	31376020	Gmdrm	hypo	CHH	-0.089
Gm13	31395235	31396200	Gmdrm	hypo	CHH	-0.0167
Gm13	31399468	31400460	Gmdrm	hypo	CHH	-0.0116

Gm13	31407013	31407206	Gmdrm	hypo	CHH	-0.04
Gm13	31407403	31408403	Gmdrm	hypo	CHH	-0.0166
Gm13	31408423	31409422	Gmdrm	hypo	CHH	-0.0662
Gm13	31409449	31410438	Gmdrm	hypo	CHH	-0.0983
Gm13	31410457	31411055	Gmdrm	hypo	CHH	-0.0156
Gm13	31416941	31417929	Gmdrm	hypo	CHH	-0.0272
Gm13	31426821	31427818	Gmdrm	hypo	CHH	-0.0118
Gm13	31434152	31435152	Gmdrm	hypo	CHH	-0.011
Gm13	31449694	31450662	Gmdrm	hypo	CHH	-0.164
Gm13	31453265	31453534	Gmdrm	hypo	CHH	-0.0375
Gm13	31471326	31472286	Gmdrm	hypo	CHH	-0.1344
Gm13	31474769	31475769	Gmdrm	hypo	CHH	-0.1124
Gm13	31477345	31478284	Gmdrm	hypo	CHH	-0.2883
Gm13	31486548	31487526	Gmdrm	hypo	CHH	-0.0132
Gm13	31491104	31492104	Gmdrm	hypo	CHH	-0.2641
Gm13	31492107	31493055	Gmdrm	hypo	CHH	-0.1674
Gm13	31494154	31495154	Gmdrm	hypo	CHH	-0.0162
Gm13	31532256	31533251	Gmdrm	hypo	CHH	-0.1346
Gm13	31533259	31534255	Gmdrm	hypo	CHH	-0.0508
Gm13	31535015	31536004	Gmdrm	hypo	CHH	-0.0463
Gm13	31541708	31542698	Gmdrm	hypo	CHH	-0.0288
Gm13	31542710	31543357	Gmdrm	hypo	CHH	-0.1416
Gm13	31543480	31544474	Gmdrm	hypo	CHH	-0.0425
Gm13	31544488	31545463	Gmdrm	hypo	CHH	-0.1949
Gm13	31547016	31548004	Gmdrm	hypo	CHH	-0.013
Gm13	31550431	31551405	Gmdrm	hypo	CHH	-0.0195
Gm13	31578970	31579461	Gmdrm	hypo	CHH	-0.0185
Gm13	31582708	31583705	Gmdrm	hypo	CHH	-0.026
Gm13	31584726	31585722	Gmdrm	hypo	CHH	-0.0373
Gm13	31585740	31586728	Gmdrm	hypo	CHH	-0.0395
Gm13	31590696	31591679	Gmdrm	hypo	CHH	-0.0481
Gm13	31598611	31599593	Gmdrm	hypo	CHH	-0.0196
Gm13	31599619	31600296	Gmdrm	hypo	CHH	-0.028
Gm13	31605056	31606052	Gmdrm	hypo	CHH	-0.0876
Gm13	31606058	31606949	Gmdrm	hypo	CHH	-0.033
Gm13	31611998	31612992	Gmdrm	hypo	CHH	-0.0451
Gm13	31613002	31613981	Gmdrm	hypo	CHH	-0.0481
Gm13	31618665	31619628	Gmdrm	hypo	CHH	-0.0129
Gm13	31619699	31620664	Gmdrm	hypo	CHH	-0.0144
Gm13	31628182	31629182	Gmdrm	hypo	CHH	-0.0638
Gm13	31629183	31630180	Gmdrm	hypo	CHH	-0.1836
Gm13	31632370	31633367	Gmdrm	hypo	CHH	-0.0138
Gm13	31635984	31636057	Gmdrm	hypo	CHH	-0.0534
Gm13	31636258	31636396	Gmdrm	hypo	CHH	-0.068
Gm13	31643944	31644939	Gmdrm	hypo	CHH	-0.0497
Gm13	31644952	31645887	Gmdrm	hypo	CHH	-0.0248

Gm13	31648373	31649372	Gmdrm	hypo	CHH	-0.0588
Gm13	31649375	31650369	Gmdrm	hypo	CHH	-0.0447
Gm13	31661129	31662126	Gmdrm	hypo	CHH	-0.0265
Gm13	31662135	31663096	Gmdrm	hypo	CHH	-0.0271
Gm13	31667448	31668448	Gmdrm	hypo	CHH	-0.0647
Gm13	31668450	31669424	Gmdrm	hypo	CHH	-0.065
Gm13	31669586	31670585	Gmdrm	hypo	CHH	-0.0333
Gm13	31671219	31672210	Gmdrm	hypo	CHH	-0.157
Gm13	31672244	31672509	Gmdrm	hypo	CHH	-0.3028
Gm13	31677309	31677727	Gmdrm	hypo	CHH	-0.0223
Gm13	31681932	31682930	Gmdrm	hypo	CHH	-0.1366
Gm13	31683943	31684941	Gmdrm	hypo	CHH	-0.097
Gm13	31684963	31685962	Gmdrm	hypo	CHH	-0.0169
Gm13	31688026	31689017	Gmdrm	hypo	CHH	-0.0155
Gm13	31692371	31693344	Gmdrm	hypo	CHH	-0.1669
Gm13	31693399	31694396	Gmdrm	hypo	CHH	-0.0276
Gm13	31695352	31696352	Gmdrm	hypo	CHH	-0.0205
Gm13	31715144	31716139	Gmdrm	hypo	CHH	-0.183
Gm13	31722097	31723084	Gmdrm	hypo	CHH	-0.079
Gm13	31754012	31754519	Gmdrm	hypo	CHH	-0.0284
Gm13	31755639	31756630	Gmdrm	hypo	CHH	-0.1514
Gm13	31756643	31757631	Gmdrm	hypo	CHH	-0.1107
Gm13	31760420	31761413	Gmdrm	hypo	CHH	-0.0237
Gm13	31761634	31761701	Gmdrm	hypo	CHH	-0.03
Gm13	31763761	31764760	Gmdrm	hypo	CHH	-0.0493
Gm13	31765772	31766486	Gmdrm	hypo	CHH	-0.1025
Gm13	31778735	31779721	Gmdrm	hypo	CHH	-0.0302
Gm13	31781872	31782864	Gmdrm	hypo	CHH	-0.0221
Gm13	31787468	31788468	Gmdrm	hypo	CHH	-0.0147
Gm13	31796255	31796434	Gmdrm	hypo	CHH	-0.0629
Gm13	31796556	31797536	Gmdrm	hypo	CHH	-0.1321
Gm13	31797657	31798242	Gmdrm	hypo	CHH	-0.0185
Gm13	31800792	31801791	Gmdrm	hypo	CHH	-0.0549
Gm13	31801796	31802757	Gmdrm	hypo	CHH	-0.1609
Gm13	31802797	31803591	Gmdrm	hypo	CHH	-0.097
Gm13	31808575	31809572	Gmdrm	hypo	CHH	-0.0326
Gm13	31809583	31810573	Gmdrm	hypo	CHH	-0.0938
Gm13	31810601	31811579	Gmdrm	hypo	CHH	-0.0177
Gm13	31811616	31812604	Gmdrm	hypo	CHH	-0.0232
Gm13	31821019	31821750	Gmdrm	hypo	CHH	-0.0198
Gm13	31828857	31829850	Gmdrm	hypo	CHH	-0.0332
Gm13	31829870	31830849	Gmdrm	hypo	CHH	-0.0515
Gm13	31845683	31846662	Gmdrm	hypo	CHH	-0.0119
Gm13	31854945	31855940	Gmdrm	hypo	CHH	-0.0782
Gm13	31855949	31856933	Gmdrm	hypo	CHH	-0.0787
Gm13	31856950	31857948	Gmdrm	hypo	CHH	-0.101

Gm13	31857987	31858957	Gmdrm	hypo	CHH	-0.0136
Gm13	31859005	31859982	Gmdrm	hypo	CHH	-0.2718
Gm13	31860029	31860975	Gmdrm	hypo	CHH	-0.0196
Gm13	31877351	31878350	Gmdrm	hypo	CHH	-0.0773
Gm13	31880439	31881433	Gmdrm	hypo	CHH	-0.1816
Gm13	31894673	31895654	Gmdrm	hypo	CHH	-0.0273
Gm13	31900993	31901731	Gmdrm	hypo	CHH	-0.0257
Gm13	31901914	31902912	Gmdrm	hypo	CHH	-0.0977
Gm13	31902954	31903954	Gmdrm	hypo	CHH	-0.0909
Gm13	31903970	31904968	Gmdrm	hypo	CHH	-0.064
Gm13	31924095	31925095	Gmdrm	hypo	CHH	-0.1779
Gm13	31925103	31926048	Gmdrm	hypo	CHH	-0.1621
Gm13	31933435	31934416	Gmdrm	hypo	CHH	-0.0177
Gm13	31937557	31938557	Gmdrm	hypo	CHH	-0.0161
Gm13	31945168	31946167	Gmdrm	hypo	CHH	-0.0835
Gm13	31946183	31946839	Gmdrm	hypo	CHH	-0.1294
Gm13	31960996	31961985	Gmdrm	hypo	CHH	-0.1621
Gm13	31965972	31966960	Gmdrm	hypo	CHH	-0.0232
Gm13	31974104	31975101	Gmdrm	hypo	CHH	-0.1208
Gm13	31980372	31980475	Gmdrm	hypo	CHH	-0.098
Gm13	31989626	31990617	Gmdrm	hypo	CHH	-0.3732
Gm13	32003286	32004275	Gmdrm	hypo	CHH	-0.0157
Gm13	32007483	32008482	Gmdrm	hypo	CHH	-0.0902
Gm13	32010122	32011108	Gmdrm	hypo	CHH	-0.1751
Gm13	32026245	32026491	Gmdrm	hypo	CHH	-0.07
Gm13	32035107	32036051	Gmdrm	hypo	CHH	-0.2519
Gm13	32036109	32037109	Gmdrm	hypo	CHH	-0.1771
Gm13	32037131	32038127	Gmdrm	hypo	CHH	-0.1822
Gm13	32039991	32040991	Gmdrm	hypo	CHH	-0.0164
Gm13	32054046	32054343	Gmdrm	hypo	CHH	-0.0328
Gm13	32059945	32060923	Gmdrm	hypo	CHH	-0.031
Gm13	32065798	32066779	Gmdrm	hypo	CHH	-0.1138
Gm13	32067488	32068486	Gmdrm	hypo	CHH	-0.0311
Gm13	32068500	32069492	Gmdrm	hypo	CHH	-0.0615
Gm13	32082034	32082723	Gmdrm	hypo	CHH	-0.0233
Gm13	32088644	32089395	Gmdrm	hypo	CHH	-0.0339
Gm13	32090582	32091549	Gmdrm	hypo	CHH	-0.1136
Gm13	32095171	32096161	Gmdrm	hypo	CHH	-0.0137
Gm13	32105127	32106105	Gmdrm	hypo	CHH	-0.0155
Gm13	32107205	32108200	Gmdrm	hypo	CHH	-0.0199
Gm13	32108223	32109184	Gmdrm	hypo	CHH	-0.0192
Gm13	32110331	32111326	Gmdrm	hypo	CHH	-0.0196
Gm13	32111340	32112301	Gmdrm	hypo	CHH	-0.1254
Gm13	32112344	32113340	Gmdrm	hypo	CHH	-0.012
Gm13	32123207	32124185	Gmdrm	hypo	CHH	-0.014
Gm13	32125934	32126934	Gmdrm	hypo	CHH	-0.1398

Gm13	32130892	32131892	Gmdrm	hypo	CHH	-0.0898
Gm13	32131894	32132875	Gmdrm	hypo	CHH	-0.222
Gm13	32132937	32133936	Gmdrm	hypo	CHH	-0.0856
Gm13	32133942	32134931	Gmdrm	hypo	CHH	-0.0983
Gm13	32143813	32144611	Gmdrm	hypo	CHH	-0.0258
Gm13	32145668	32146659	Gmdrm	hypo	CHH	-0.0879
Gm13	32146679	32147670	Gmdrm	hypo	CHH	-0.0499
Gm13	32147690	32148217	Gmdrm	hypo	CHH	-0.0703
Gm13	32152525	32153509	Gmdrm	hypo	CHH	-0.1408
Gm13	32159831	32160449	Gmdrm	hypo	CHH	-0.1182
Gm13	32175105	32176072	Gmdrm	hypo	CHH	-0.0266
Gm13	32180796	32181795	Gmdrm	hypo	CHH	-0.0808
Gm13	32183827	32184728	Gmdrm	hypo	CHH	-0.0185
Gm13	32194449	32195449	Gmdrm	hypo	CHH	-0.0251
Gm13	32196468	32197464	Gmdrm	hypo	CHH	-0.0268
Gm13	32203430	32203571	Gmdrm	hypo	CHH	-0.1342
Gm13	32203817	32204793	Gmdrm	hypo	CHH	-0.0469
Gm13	32209788	32210788	Gmdrm	hypo	CHH	-0.0123
Gm13	32224644	32225643	Gmdrm	hypo	CHH	-0.0638
Gm13	32225648	32226645	Gmdrm	hypo	CHH	-0.137
Gm13	32226665	32227630	Gmdrm	hypo	CHH	-0.0732
Gm13	32235926	32236878	Gmdrm	hypo	CHH	-0.095
Gm13	32238218	32239214	Gmdrm	hypo	CHH	-0.0151
Gm13	32239229	32240222	Gmdrm	hypo	CHH	-0.2027
Gm13	32240232	32241230	Gmdrm	hypo	CHH	-0.2966
Gm13	32241240	32242240	Gmdrm	hypo	CHH	-0.092
Gm13	32242243	32243236	Gmdrm	hypo	CHH	-0.1977
Gm13	32244289	32245280	Gmdrm	hypo	CHH	-0.0201
Gm13	32254651	32255282	Gmdrm	hypo	CHH	-0.0181
Gm13	32258283	32258674	Gmdrm	hypo	CHH	-0.02
Gm13	32258840	32259831	Gmdrm	hypo	CHH	-0.0245
Gm13	32260859	32261856	Gmdrm	hypo	CHH	-0.142
Gm13	32261860	32262853	Gmdrm	hypo	CHH	-0.0222
Gm13	32263901	32264886	Gmdrm	hypo	CHH	-0.0267
Gm13	32271981	32272965	Gmdrm	hypo	CHH	-0.0203
Gm13	32272993	32273983	Gmdrm	hypo	CHH	-0.0122
Gm13	32279363	32280353	Gmdrm	hypo	CHH	-0.0127
Gm13	32287376	32288368	Gmdrm	hypo	CHH	-0.0228
Gm13	32288391	32289391	Gmdrm	hypo	CHH	-0.1318
Gm13	32296672	32297079	Gmdrm	hypo	CHH	-0.0249
Gm13	32300599	32301581	Gmdrm	hypo	CHH	-0.0919
Gm13	32301605	32302601	Gmdrm	hypo	CHH	-0.0974
Gm13	32310263	32310457	Gmdrm	hypo	CHH	-0.063
Gm13	32312620	32313608	Gmdrm	hypo	CHH	-0.0268
Gm13	32324594	32325529	Gmdrm	hypo	CHH	-0.0204
Gm13	32328034	32329006	Gmdrm	hypo	CHH	-0.0244

Gm13	32344457	32344517	Gmdrm	hypo	CHH	-0.038
Gm13	32352530	32353503	Gmdrm	hypo	CHH	-0.0157
Gm13	32363083	32364026	Gmdrm	hypo	CHH	-0.0177
Gm13	32369020	32370003	Gmdrm	hypo	CHH	-0.0208
Gm13	32380417	32381403	Gmdrm	hypo	CHH	-0.1144
Gm13	32381423	32382414	Gmdrm	hypo	CHH	-0.1291
Gm13	32388889	32389752	Gmdrm	hypo	CHH	-0.0313
Gm13	32389863	32390837	Gmdrm	hypo	CHH	-0.0211
Gm13	32392915	32393907	Gmdrm	hypo	CHH	-0.0185
Gm13	32398679	32398958	Gmdrm	hypo	CHH	-0.0566
Gm13	32409807	32410792	Gmdrm	hypo	CHH	-0.2038
Gm13	32410816	32411808	Gmdrm	hypo	CHH	-0.0191
Gm13	32426483	32427474	Gmdrm	hypo	CHH	-0.022
Gm13	32431589	32432587	Gmdrm	hypo	CHH	-0.027
Gm13	32432590	32433590	Gmdrm	hypo	CHH	-0.1242
Gm13	32438358	32439277	Gmdrm	hypo	CHH	-0.0128
Gm13	32441263	32442255	Gmdrm	hypo	CHH	-0.0159
Gm13	32443732	32444684	Gmdrm	hypo	CHH	-0.014
Gm13	32448427	32448772	Gmdrm	hypo	CHH	-0.0741
Gm13	32448895	32449887	Gmdrm	hypo	CHH	-0.0579
Gm13	32454531	32455494	Gmdrm	hypo	CHH	-0.0235
Gm13	32455647	32456628	Gmdrm	hypo	CHH	-0.0163
Gm13	32457219	32458215	Gmdrm	hypo	CHH	-0.0412
Gm13	32458226	32459222	Gmdrm	hypo	CHH	-0.0154
Gm13	32460916	32461916	Gmdrm	hypo	CHH	-0.0628
Gm13	32461920	32462911	Gmdrm	hypo	CHH	-0.1241
Gm13	32466428	32467427	Gmdrm	hypo	CHH	-0.036
Gm13	32468700	32469695	Gmdrm	hypo	CHH	-0.0279
Gm13	32469702	32470291	Gmdrm	hypo	CHH	-0.0321
Gm13	32473934	32474921	Gmdrm	hypo	CHH	-0.1998
Gm13	32476963	32477962	Gmdrm	hypo	CHH	-0.1929
Gm13	32477965	32478957	Gmdrm	hypo	CHH	-0.0744
Gm13	32494905	32495894	Gmdrm	hypo	CHH	-0.0117
Gm13	32499729	32500727	Gmdrm	hypo	CHH	-0.0282
Gm13	32516455	32517449	Gmdrm	hypo	CHH	-0.019
Gm13	32523611	32524369	Gmdrm	hypo	CHH	-0.0127
Gm13	32558751	32559737	Gmdrm	hypo	CHH	-0.0602
Gm13	32567066	32568061	Gmdrm	hypo	CHH	-0.0214
Gm13	32577366	32578301	Gmdrm	hypo	CHH	-0.0162
Gm13	32586459	32587042	Gmdrm	hypo	CHH	-0.0595
Gm13	32602849	32603810	Gmdrm	hypo	CHH	-0.0302
Gm13	32617191	32618186	Gmdrm	hypo	CHH	-0.1609
Gm13	32618197	32619172	Gmdrm	hypo	CHH	-0.048
Gm13	32619204	32620187	Gmdrm	hypo	CHH	-0.0219
Gm13	32625232	32626229	Gmdrm	hypo	CHH	-0.0456
Gm13	32626236	32627236	Gmdrm	hypo	CHH	-0.0185

Gm13	32637875	32638845	Gmdrm	hypo	CHH	-0.1119
Gm13	32638879	32639876	Gmdrm	hypo	CHH	-0.0892
Gm13	32639880	32640880	Gmdrm	hypo	CHH	-0.2184
Gm13	32644459	32645456	Gmdrm	hypo	CHH	-0.1704
Gm13	32645470	32646465	Gmdrm	hypo	CHH	-0.0798
Gm13	32659960	32660945	Gmdrm	hypo	CHH	-0.1168
Gm13	32669848	32670842	Gmdrm	hypo	CHH	-0.0464
Gm13	32677677	32678666	Gmdrm	hypo	CHH	-0.0275
Gm13	32679702	32680696	Gmdrm	hypo	CHH	-0.0217
Gm13	32680705	32680843	Gmdrm	hypo	CHH	-0.0909
Gm13	32684267	32684971	Gmdrm	hypo	CHH	-0.0217
Gm13	32685088	32685784	Gmdrm	hypo	CHH	-0.0779
Gm13	32689583	32689928	Gmdrm	hypo	CHH	-0.0295
Gm13	32692576	32693571	Gmdrm	hypo	CHH	-0.0242
Gm13	32712970	32713927	Gmdrm	hypo	CHH	-0.1781
Gm13	32713984	32714983	Gmdrm	hypo	CHH	-0.1744
Gm13	32714985	32715964	Gmdrm	hypo	CHH	-0.2142
Gm13	32717029	32718020	Gmdrm	hypo	CHH	-0.0811
Gm13	32718032	32719027	Gmdrm	hypo	CHH	-0.1094
Gm13	32719036	32720024	Gmdrm	hypo	CHH	-0.1387
Gm13	32745240	32745447	Gmdrm	hypo	CHH	-0.0611
Gm13	32750403	32751199	Gmdrm	hypo	CHH	-0.0149
Gm13	32772269	32772521	Gmdrm	hypo	CHH	-0.0889
Gm13	32780324	32781311	Gmdrm	hypo	CHH	-0.0161
Gm13	32791735	32791878	Gmdrm	hypo	CHH	-0.16
Gm13	32794511	32795503	Gmdrm	hypo	CHH	-0.1126
Gm13	32799803	32800802	Gmdrm	hypo	CHH	-0.0846
Gm13	32800804	32801804	Gmdrm	hypo	CHH	-0.0691
Gm13	32801808	32802552	Gmdrm	hypo	CHH	-0.0476
Gm13	32813053	32814045	Gmdrm	hypo	CHH	-0.1361
Gm13	32814281	32815262	Gmdrm	hypo	CHH	-0.0215
Gm13	32826461	32827452	Gmdrm	hypo	CHH	-0.1029
Gm13	32827470	32828464	Gmdrm	hypo	CHH	-0.1737
Gm13	32856330	32857319	Gmdrm	hypo	CHH	-0.0153
Gm13	32870526	32871518	Gmdrm	hypo	CHH	-0.025
Gm13	32871537	32872534	Gmdrm	hypo	CHH	-0.1261
Gm13	32872543	32873301	Gmdrm	hypo	CHH	-0.2504
Gm13	32886105	32886555	Gmdrm	hypo	CHH	-0.029
Gm13	32890234	32891115	Gmdrm	hypo	CHH	-0.0378
Gm13	32891514	32892497	Gmdrm	hypo	CHH	-0.0096
Gm13	32893536	32894086	Gmdrm	hypo	CHH	-0.0283
Gm13	32898837	32899803	Gmdrm	hypo	CHH	-0.0241
Gm13	32918512	32919508	Gmdrm	hypo	CHH	-0.0197
Gm13	32921022	32922018	Gmdrm	hypo	CHH	-0.2367
Gm13	32928153	32929138	Gmdrm	hypo	CHH	-0.0915
Gm13	32933819	32934816	Gmdrm	hypo	CHH	-0.0449

Gm13	32934821	32934996	Gmdrm	hypo	CHH	-0.1041
Gm13	32935316	32936287	Gmdrm	hypo	CHH	-0.023
Gm13	32940897	32941888	Gmdrm	hypo	CHH	-0.0259
Gm13	32942917	32943911	Gmdrm	hypo	CHH	-0.0668
Gm13	32957033	32958033	Gmdrm	hypo	CHH	-0.1382
Gm13	32958038	32959038	Gmdrm	hypo	CHH	-0.0747
Gm13	32964030	32965026	Gmdrm	hypo	CHH	-0.0272
Gm13	32967594	32968572	Gmdrm	hypo	CHH	-0.035
Gm13	32982575	32983573	Gmdrm	hypo	CHH	-0.0315
Gm13	32985853	32986837	Gmdrm	hypo	CHH	-0.0137
Gm13	32990185	32991168	Gmdrm	hypo	CHH	-0.0193
Gm13	32992273	32993273	Gmdrm	hypo	CHH	-0.1416
Gm13	32993274	32994274	Gmdrm	hypo	CHH	-0.1998
Gm13	32999391	33000079	Gmdrm	hypo	CHH	-0.0315
Gm13	33002237	33003227	Gmdrm	hypo	CHH	-0.01
Gm13	33005295	33006280	Gmdrm	hypo	CHH	-0.0133
Gm13	33010063	33011060	Gmdrm	hypo	CHH	-0.0446
Gm13	33023417	33024354	Gmdrm	hypo	CHH	-0.0192
Gm13	33030913	33031912	Gmdrm	hypo	CHH	-0.0676
Gm13	33038011	33039009	Gmdrm	hypo	CHH	-0.0229
Gm13	33039022	33040019	Gmdrm	hypo	CHH	-0.0483
Gm13	33040028	33041022	Gmdrm	hypo	CHH	-0.0617
Gm13	33050124	33051119	Gmdrm	hypo	CHH	-0.1354
Gm13	33051130	33052112	Gmdrm	hypo	CHH	-0.2044
Gm13	33053178	33054158	Gmdrm	hypo	CHH	-0.0208
Gm13	33056210	33057210	Gmdrm	hypo	CHH	-0.0977
Gm13	33063743	33064089	Gmdrm	hypo	CHH	-0.0225
Gm13	33064196	33064262	Gmdrm	hypo	CHH	-0.0556
Gm13	33071453	33072163	Gmdrm	hypo	CHH	-0.023
Gm13	33072283	33072795	Gmdrm	hypo	CHH	-0.044
Gm13	33075975	33076953	Gmdrm	hypo	CHH	-0.0292
Gm13	33087544	33088538	Gmdrm	hypo	CHH	-0.0595
Gm13	33088564	33089540	Gmdrm	hypo	CHH	-0.0451
Gm13	33097101	33097594	Gmdrm	hypo	CHH	-0.049
Gm13	33100415	33101413	Gmdrm	hypo	CHH	-0.0826
Gm13	33108232	33109227	Gmdrm	hypo	CHH	-0.0553
Gm13	33109237	33110236	Gmdrm	hypo	CHH	-0.0542
Gm13	33110252	33111252	Gmdrm	hypo	CHH	-0.0708
Gm13	33112273	33113272	Gmdrm	hypo	CHH	-0.0143
Gm13	33113289	33114123	Gmdrm	hypo	CHH	-0.0783
Gm13	33139832	33140829	Gmdrm	hypo	CHH	-0.0169
Gm13	33143291	33143743	Gmdrm	hypo	CHH	-0.1059
Gm13	33145030	33145139	Gmdrm	hypo	CHH	-0.1233
Gm13	33145243	33146231	Gmdrm	hypo	CHH	-0.175
Gm13	33147044	33148033	Gmdrm	hypo	CHH	-0.0188
Gm13	33148051	33148905	Gmdrm	hypo	CHH	-0.0104

Gm13	33157469	33157743	Gmdrm	hypo	CHH	-0.1642
Gm13	33158860	33159611	Gmdrm	hypo	CHH	-0.0809
Gm13	33162932	33163672	Gmdrm	hypo	CHH	-0.0218
Gm13	33166219	33167218	Gmdrm	hypo	CHH	-0.0541
Gm13	33175064	33175937	Gmdrm	hypo	CHH	-0.0163
Gm13	33181599	33182591	Gmdrm	hypo	CHH	-0.027
Gm13	33182615	33183614	Gmdrm	hypo	CHH	-0.0277
Gm13	33183620	33184620	Gmdrm	hypo	CHH	-0.1732
Gm13	33184622	33185614	Gmdrm	hypo	CHH	-0.0644
Gm13	33185637	33186637	Gmdrm	hypo	CHH	-0.076
Gm13	33186653	33187653	Gmdrm	hypo	CHH	-0.1288
Gm13	33187655	33188651	Gmdrm	hypo	CHH	-0.2795
Gm13	33188658	33189642	Gmdrm	hypo	CHH	-0.0889
Gm13	33191766	33192757	Gmdrm	hypo	CHH	-0.0199
Gm13	33193799	33194799	Gmdrm	hypo	CHH	-0.1339
Gm13	33194802	33195788	Gmdrm	hypo	CHH	-0.0933
Gm13	33201386	33202385	Gmdrm	hypo	CHH	-0.0594
Gm13	33202396	33203374	Gmdrm	hypo	CHH	-0.1936
Gm13	33205277	33206145	Gmdrm	hypo	CHH	-0.0248
Gm13	33213147	33213344	Gmdrm	hypo	CHH	-0.0508
Gm13	33222485	33223475	Gmdrm	hypo	CHH	-0.0448
Gm13	33234898	33235450	Gmdrm	hypo	CHH	-0.0231
Gm13	33246939	33247938	Gmdrm	hypo	CHH	-0.0506
Gm13	33247941	33248918	Gmdrm	hypo	CHH	-0.0291
Gm13	33254123	33254484	Gmdrm	hypo	CHH	-0.0713
Gm13	33271818	33272812	Gmdrm	hypo	CHH	-0.0373
Gm13	33272834	33273150	Gmdrm	hypo	CHH	-0.0229
Gm13	33281462	33282036	Gmdrm	hypo	CHH	-0.0523
Gm13	33282157	33283156	Gmdrm	hypo	CHH	-0.0202
Gm13	33284171	33284429	Gmdrm	hypo	CHH	-0.02
Gm13	33287616	33288611	Gmdrm	hypo	CHH	-0.0262
Gm13	33302828	33303020	Gmdrm	hypo	CHH	-0.0371
Gm13	33309355	33310335	Gmdrm	hypo	CHH	-0.0258
Gm13	33312938	33313931	Gmdrm	hypo	CHH	-0.0523
Gm13	33314462	33315446	Gmdrm	hypo	CHH	-0.0163
Gm13	33320530	33321528	Gmdrm	hypo	CHH	-0.017
Gm13	33321582	33322561	Gmdrm	hypo	CHH	-0.1035
Gm13	33322590	33322790	Gmdrm	hypo	CHH	-0.0723
Gm13	33327557	33328553	Gmdrm	hypo	CHH	-0.0445
Gm13	33334160	33335134	Gmdrm	hypo	CHH	-0.0523
Gm13	33337122	33338116	Gmdrm	hypo	CHH	-0.0247
Gm13	33338167	33339068	Gmdrm	hypo	CHH	-0.0361
Gm13	33342449	33343445	Gmdrm	hypo	CHH	-0.1235
Gm13	33343460	33344010	Gmdrm	hypo	CHH	-0.1415
Gm13	33351024	33351689	Gmdrm	hypo	CHH	-0.0132
Gm13	33361145	33362129	Gmdrm	hypo	CHH	-0.0158

Gm13	33381322	33382321	Gmdrm	hypo	CHH	-0.0204
Gm13	33382324	33383322	Gmdrm	hypo	CHH	-0.0223
Gm13	33383328	33383471	Gmdrm	hypo	CHH	-0.0263
Gm13	33384223	33384745	Gmdrm	hypo	CHH	-0.0723
Gm13	33385801	33386764	Gmdrm	hypo	CHH	-0.1123
Gm13	33386810	33387790	Gmdrm	hypo	CHH	-0.02
Gm13	33389566	33390556	Gmdrm	hypo	CHH	-0.0404
Gm13	33395830	33396809	Gmdrm	hypo	CHH	-0.0306
Gm13	33406521	33407520	Gmdrm	hypo	CHH	-0.017
Gm13	33412029	33413012	Gmdrm	hypo	CHH	-0.0184
Gm13	33413032	33414020	Gmdrm	hypo	CHH	-0.1688
Gm13	33430245	33431234	Gmdrm	hypo	CHH	-0.018
Gm13	33432172	33433171	Gmdrm	hypo	CHH	-0.048
Gm13	33433174	33433422	Gmdrm	hypo	CHH	-0.2203
Gm13	33441837	33442826	Gmdrm	hypo	CHH	-0.2895
Gm13	33459022	33459357	Gmdrm	hypo	CHH	-0.0388
Gm13	33464275	33465273	Gmdrm	hypo	CHH	-0.0272
Gm13	33466292	33467285	Gmdrm	hypo	CHH	-0.046
Gm13	33467296	33468247	Gmdrm	hypo	CHH	-0.097
Gm13	33468313	33469300	Gmdrm	hypo	CHH	-0.03
Gm13	33470702	33471694	Gmdrm	hypo	CHH	-0.016
Gm13	33471715	33472714	Gmdrm	hypo	CHH	-0.0107
Gm13	33482040	33483020	Gmdrm	hypo	CHH	-0.0311
Gm13	33483056	33484052	Gmdrm	hypo	CHH	-0.0278
Gm13	33484058	33484282	Gmdrm	hypo	CHH	-0.028
Gm13	33485954	33486585	Gmdrm	hypo	CHH	-0.0619
Gm13	33488787	33489768	Gmdrm	hypo	CHH	-0.0136
Gm13	33501417	33502399	Gmdrm	hypo	CHH	-0.0358
Gm13	33513435	33514367	Gmdrm	hypo	CHH	-0.0337
Gm13	33526050	33527027	Gmdrm	hypo	CHH	-0.0216
Gm13	33554481	33555442	Gmdrm	hypo	CHH	-0.0236
Gm13	33561515	33562510	Gmdrm	hypo	CHH	-0.0121
Gm13	33567197	33567363	Gmdrm	hypo	CHH	-0.0775
Gm13	33572225	33573219	Gmdrm	hypo	CHH	-0.0476
Gm13	33575048	33575833	Gmdrm	hypo	CHH	-0.0233
Gm13	33581723	33582723	Gmdrm	hypo	CHH	-0.0461
Gm13	33582729	33583719	Gmdrm	hypo	CHH	-0.2545
Gm13	33591471	33592466	Gmdrm	hypo	CHH	-0.1852
Gm13	33598660	33599638	Gmdrm	hypo	CHH	-0.0197
Gm13	33601829	33602824	Gmdrm	hypo	CHH	-0.0738
Gm13	33605848	33606829	Gmdrm	hypo	CHH	-0.072
Gm13	33610633	33611627	Gmdrm	hypo	CHH	-0.0359
Gm13	33611635	33612608	Gmdrm	hypo	CHH	-0.0217
Gm13	33612642	33613639	Gmdrm	hypo	CHH	-0.0293
Gm13	33613648	33614648	Gmdrm	hypo	CHH	-0.0484
Gm13	33614649	33615420	Gmdrm	hypo	CHH	-0.1274

Gm13	33645037	33646032	Gmdrm	hypo	CHH	-0.1543
Gm13	33646040	33646529	Gmdrm	hypo	CHH	-0.4194
Gm13	33648580	33649564	Gmdrm	hypo	CHH	-0.0284
Gm13	33657001	33657995	Gmdrm	hypo	CHH	-0.0128
Gm13	33658009	33658798	Gmdrm	hypo	CHH	-0.0265
Gm13	33676274	33676806	Gmdrm	hypo	CHH	-0.155
Gm13	33677930	33678910	Gmdrm	hypo	CHH	-0.0163
Gm13	33681805	33682798	Gmdrm	hypo	CHH	-0.1911
Gm13	33682808	33683807	Gmdrm	hypo	CHH	-0.1533
Gm13	33683828	33684820	Gmdrm	hypo	CHH	-0.1344
Gm13	33693041	33694034	Gmdrm	hypo	CHH	-0.0237
Gm13	33694043	33695037	Gmdrm	hypo	CHH	-0.0232
Gm13	33695052	33696013	Gmdrm	hypo	CHH	-0.0143
Gm13	33696069	33697056	Gmdrm	hypo	CHH	-0.162
Gm13	33708466	33708908	Gmdrm	hypo	CHH	-0.0359
Gm13	33709065	33710060	Gmdrm	hypo	CHH	-0.1838
Gm13	33710068	33711055	Gmdrm	hypo	CHH	-0.1258
Gm13	33720122	33721118	Gmdrm	hypo	CHH	-0.0305
Gm13	33725493	33726461	Gmdrm	hypo	CHH	-0.0173
Gm13	33731499	33732489	Gmdrm	hypo	CHH	-0.0347
Gm13	33732510	33733492	Gmdrm	hypo	CHH	-0.1487
Gm13	33735596	33736583	Gmdrm	hypo	CHH	-0.0166
Gm13	33736874	33737874	Gmdrm	hypo	CHH	-0.1849
Gm13	33739120	33740082	Gmdrm	hypo	CHH	-0.0217
Gm13	33742769	33743769	Gmdrm	hypo	CHH	-0.1378
Gm13	33743790	33744790	Gmdrm	hypo	CHH	-0.1221
Gm13	33755868	33756807	Gmdrm	hypo	CHH	-0.0233
Gm13	33774759	33775750	Gmdrm	hypo	CHH	-0.011
Gm13	33775767	33775894	Gmdrm	hypo	CHH	-0.0358
Gm13	33778051	33779042	Gmdrm	hypo	CHH	-0.0237
Gm13	33780055	33781036	Gmdrm	hypo	CHH	-0.0162
Gm13	33785386	33786381	Gmdrm	hypo	CHH	-0.1288
Gm13	33786387	33787381	Gmdrm	hypo	CHH	-0.0122
Gm13	33787393	33788386	Gmdrm	hypo	CHH	-0.0186
Gm13	33805820	33806817	Gmdrm	hypo	CHH	-0.0593
Gm13	33806825	33807825	Gmdrm	hypo	CHH	-0.1327
Gm13	33809595	33810585	Gmdrm	hypo	CHH	-0.1231
Gm13	33813768	33814537	Gmdrm	hypo	CHH	-0.0138
Gm13	33840647	33841640	Gmdrm	hypo	CHH	-0.0152
Gm13	33845708	33846682	Gmdrm	hypo	CHH	-0.0161
Gm13	33847739	33848730	Gmdrm	hypo	CHH	-0.0291
Gm13	33860673	33861609	Gmdrm	hypo	CHH	-0.0178
Gm13	33867775	33868775	Gmdrm	hypo	CHH	-0.1308
Gm13	33868777	33869772	Gmdrm	hypo	CHH	-0.0733
Gm13	33869794	33870126	Gmdrm	hypo	CHH	-0.0279
Gm13	33870376	33870449	Gmdrm	hypo	CHH	-0.0984

Gm13	33875520	33876518	Gmdrm	hypo	CHH	-0.1148
Gm13	33876521	33877231	Gmdrm	hypo	CHH	-0.1703
Gm13	33877635	33878627	Gmdrm	hypo	CHH	-0.031
Gm13	33881979	33882964	Gmdrm	hypo	CHH	-0.0178
Gm13	33890910	33891896	Gmdrm	hypo	CHH	-0.0315
Gm13	33891914	33892910	Gmdrm	hypo	CHH	-0.0813
Gm13	33892928	33893912	Gmdrm	hypo	CHH	-0.0835
Gm13	33908711	33909661	Gmdrm	hypo	CHH	-0.017
Gm13	33914125	33915125	Gmdrm	hypo	CHH	-0.1085
Gm13	33918329	33919322	Gmdrm	hypo	CHH	-0.2724
Gm13	33936497	33937489	Gmdrm	hypo	CHH	-0.0913
Gm13	33937498	33938051	Gmdrm	hypo	CHH	-0.1819
Gm13	33946688	33947284	Gmdrm	hypo	CHH	-0.0457
Gm13	33951909	33952906	Gmdrm	hypo	CHH	-0.0459
Gm13	33952917	33953878	Gmdrm	hypo	CHH	-0.05
Gm13	33953918	33954911	Gmdrm	hypo	CHH	-0.0759
Gm13	33954919	33955912	Gmdrm	hypo	CHH	-0.0419
Gm13	33959945	33960582	Gmdrm	hypo	CHH	-0.0143
Gm13	33963104	33964103	Gmdrm	hypo	CHH	-0.0614
Gm13	33968170	33969151	Gmdrm	hypo	CHH	-0.1242
Gm13	33969172	33970144	Gmdrm	hypo	CHH	-0.0899
Gm13	33988849	33989848	Gmdrm	hypo	CHH	-0.0369
Gm13	33992289	33993274	Gmdrm	hypo	CHH	-0.0179
Gm13	33993323	33994304	Gmdrm	hypo	CHH	-0.1432
Gm13	33994351	33995310	Gmdrm	hypo	CHH	-0.0242
Gm13	33995925	33996526	Gmdrm	hypo	CHH	-0.0473
Gm13	34010259	34010829	Gmdrm	hypo	CHH	-0.0183
Gm13	34015554	34016554	Gmdrm	hypo	CHH	-0.1092
Gm13	34016557	34017556	Gmdrm	hypo	CHH	-0.1379
Gm13	34018569	34019565	Gmdrm	hypo	CHH	-0.0428
Gm13	34019574	34020565	Gmdrm	hypo	CHH	-0.0459
Gm13	34021578	34022554	Gmdrm	hypo	CHH	-0.084
Gm13	34065404	34066402	Gmdrm	hypo	CHH	-0.0139
Gm13	34066408	34067406	Gmdrm	hypo	CHH	-0.0653
Gm13	34069992	34070972	Gmdrm	hypo	CHH	-0.1586
Gm13	34075688	34076687	Gmdrm	hypo	CHH	-0.0235
Gm13	34076690	34077674	Gmdrm	hypo	CHH	-0.0287
Gm13	34083940	34084937	Gmdrm	hypo	CHH	-0.0299
Gm13	34087761	34088733	Gmdrm	hypo	CHH	-0.0718
Gm13	34097106	34098092	Gmdrm	hypo	CHH	-0.011
Gm13	34117408	34118385	Gmdrm	hypo	CHH	-0.0237
Gm13	34118416	34119412	Gmdrm	hypo	CHH	-0.0425
Gm13	34119419	34120217	Gmdrm	hypo	CHH	-0.0977
Gm13	34133115	34134112	Gmdrm	hypo	CHH	-0.0937
Gm13	34151816	34152801	Gmdrm	hypo	CHH	-0.0509
Gm13	34152840	34153840	Gmdrm	hypo	CHH	-0.1359

Gm13	34153842	34154485	Gmdrm	hypo	CHH	-0.1082
Gm13	34161520	34162512	Gmdrm	hypo	CHH	-0.2292
Gm13	34162528	34163502	Gmdrm	hypo	CHH	-0.0163
Gm13	34172840	34173830	Gmdrm	hypo	CHH	-0.0122
Gm13	34174887	34175864	Gmdrm	hypo	CHH	-0.0129
Gm13	34175918	34176913	Gmdrm	hypo	CHH	-0.0991
Gm13	34178964	34179139	Gmdrm	hypo	CHH	-0.033
Gm13	34205457	34206447	Gmdrm	hypo	CHH	-0.0959
Gm13	34207734	34207920	Gmdrm	hypo	CHH	-0.0408
Gm13	34212684	34213547	Gmdrm	hypo	CHH	-0.0314
Gm13	34213680	34214507	Gmdrm	hypo	CHH	-0.0279
Gm13	34217966	34218964	Gmdrm	hypo	CHH	-0.0205
Gm13	34223096	34224096	Gmdrm	hypo	CHH	-0.0167
Gm13	34230662	34231044	Gmdrm	hypo	CHH	-0.0496
Gm13	34231145	34232142	Gmdrm	hypo	CHH	-0.0218
Gm13	34237741	34238707	Gmdrm	hypo	CHH	-0.02
Gm13	34253642	34253709	Gmdrm	hypo	CHH	-0.078
Gm13	34254742	34254907	Gmdrm	hypo	CHH	-0.0822
Gm13	34274436	34275426	Gmdrm	hypo	CHH	-0.0116
Gm13	34279276	34279792	Gmdrm	hypo	CHH	-0.0757
Gm13	34287552	34288549	Gmdrm	hypo	CHH	-0.019
Gm13	34295520	34296499	Gmdrm	hypo	CHH	-0.2011
Gm13	34301402	34301700	Gmdrm	hypo	CHH	-0.03
Gm13	34310432	34311431	Gmdrm	hypo	CHH	-0.0407
Gm13	34311433	34312394	Gmdrm	hypo	CHH	-0.0134
Gm13	34315820	34316813	Gmdrm	hypo	CHH	-0.3563
Gm13	34317846	34318796	Gmdrm	hypo	CHH	-0.0133
Gm13	34320902	34321900	Gmdrm	hypo	CHH	-0.024
Gm13	34321909	34322890	Gmdrm	hypo	CHH	-0.2664
Gm13	34329203	34329891	Gmdrm	hypo	CHH	-0.2217
Gm13	34343757	34344755	Gmdrm	hypo	CHH	-0.0171
Gm13	34344761	34345744	Gmdrm	hypo	CHH	-0.1607
Gm13	34346778	34347775	Gmdrm	hypo	CHH	-0.0162
Gm13	34352522	34353519	Gmdrm	hypo	CHH	-0.0477
Gm13	34353545	34354500	Gmdrm	hypo	CHH	-0.0188
Gm13	34359476	34360476	Gmdrm	hypo	CHH	-0.1469
Gm13	34360479	34361429	Gmdrm	hypo	CHH	-0.0637
Gm13	34370609	34370826	Gmdrm	hypo	CHH	-0.058
Gm13	34389249	34390246	Gmdrm	hypo	CHH	-0.0253
Gm13	34396400	34397395	Gmdrm	hypo	CHH	-0.4354
Gm13	34397402	34398396	Gmdrm	hypo	CHH	-0.0683
Gm13	34423895	34424852	Gmdrm	hypo	CHH	-0.0581
Gm13	34425901	34426894	Gmdrm	hypo	CHH	-0.0419
Gm13	34426904	34427889	Gmdrm	hypo	CHH	-0.053
Gm13	34427923	34428912	Gmdrm	hypo	CHH	-0.0151
Gm13	34438481	34439478	Gmdrm	hypo	CHH	-0.0355

Gm13	34459319	34460317	Gmdrm	hypo	CHH	-0.01
Gm13	34463095	34464053	Gmdrm	hypo	CHH	-0.1431
Gm13	34464104	34465099	Gmdrm	hypo	CHH	-0.0176
Gm13	34471600	34472567	Gmdrm	hypo	CHH	-0.0445
Gm13	34478151	34479147	Gmdrm	hypo	CHH	-0.0163
Gm13	34479162	34480159	Gmdrm	hypo	CHH	-0.0393
Gm13	34482029	34482058	Gmdrm	hypo	CHH	-0.1475
Gm13	34484863	34485845	Gmdrm	hypo	CHH	-0.0751
Gm13	34485872	34486860	Gmdrm	hypo	CHH	-0.0143
Gm13	34486899	34487899	Gmdrm	hypo	CHH	-0.066
Gm13	34491920	34492919	Gmdrm	hypo	CHH	-0.0393
Gm13	34493954	34494918	Gmdrm	hypo	CHH	-0.061
Gm13	34499527	34500526	Gmdrm	hypo	CHH	-0.0253
Gm13	34500528	34501514	Gmdrm	hypo	CHH	-0.0364
Gm13	34510078	34510974	Gmdrm	hypo	CHH	-0.037
Gm13	34513273	34513477	Gmdrm	hypo	CHH	-0.0525
Gm13	34529217	34530212	Gmdrm	hypo	CHH	-0.0636
Gm13	34542967	34543960	Gmdrm	hypo	CHH	-0.0172
Gm13	34581078	34581156	Gmdrm	hypo	CHH	-0.064
Gm13	34583305	34584305	Gmdrm	hypo	CHH	-0.0981
Gm13	34584308	34584889	Gmdrm	hypo	CHH	-0.0317
Gm13	34587888	34588888	Gmdrm	hypo	CHH	-0.1738
Gm13	34588891	34589889	Gmdrm	hypo	CHH	-0.0628
Gm13	34589892	34590890	Gmdrm	hypo	CHH	-0.0997
Gm13	34590894	34591893	Gmdrm	hypo	CHH	-0.0214
Gm13	34595170	34596151	Gmdrm	hypo	CHH	-0.0186
Gm13	34597944	34598929	Gmdrm	hypo	CHH	-0.0944
Gm13	34598957	34599944	Gmdrm	hypo	CHH	-0.029
Gm13	34600981	34601978	Gmdrm	hypo	CHH	-0.0166
Gm13	34601987	34602970	Gmdrm	hypo	CHH	-0.2458
Gm13	34605041	34606037	Gmdrm	hypo	CHH	-0.1166
Gm13	34616111	34617098	Gmdrm	hypo	CHH	-0.044
Gm13	34617118	34618118	Gmdrm	hypo	CHH	-0.0684
Gm13	34618124	34618771	Gmdrm	hypo	CHH	-0.0882
Gm13	34625244	34626209	Gmdrm	hypo	CHH	-0.0157
Gm13	34637623	34638623	Gmdrm	hypo	CHH	-0.1315
Gm13	34664147	34665144	Gmdrm	hypo	CHH	-0.1171
Gm13	34680096	34681089	Gmdrm	hypo	CHH	-0.0464
Gm13	34681103	34682079	Gmdrm	hypo	CHH	-0.2859
Gm13	34682105	34682530	Gmdrm	hypo	CHH	-0.0556
Gm13	34690392	34691364	Gmdrm	hypo	CHH	-0.0469
Gm13	34691429	34692394	Gmdrm	hypo	CHH	-0.2254
Gm13	34703236	34704232	Gmdrm	hypo	CHH	-0.1033
Gm13	34714848	34715511	Gmdrm	hypo	CHH	-0.0393
Gm13	34740179	34741158	Gmdrm	hypo	CHH	-0.0526
Gm13	34749877	34750875	Gmdrm	hypo	CHH	-0.1711

Gm13	34750879	34751640 Gmdrm	hypo	CHH	-0.142
Gm13	34768709	34769709 Gmdrm	hypo	CHH	-0.0172
Gm13	34776630	34777627 Gmdrm	hypo	CHH	-0.2183
Gm13	34777639	34778146 Gmdrm	hypo	CHH	-0.0607
Gm13	34784348	34785304 Gmdrm	hypo	CHH	-0.012
Gm13	34787397	34788384 Gmdrm	hypo	CHH	-0.0211
Gm13	34816737	34817353 Gmdrm	hypo	CHH	-0.0186
Gm13	34817642	34818629 Gmdrm	hypo	CHH	-0.0207
Gm13	34825030	34825377 Gmdrm	hypo	CHH	-0.0285
Gm13	34832605	34833605 Gmdrm	hypo	CHH	-0.0736
Gm13	34833625	34834623 Gmdrm	hypo	CHH	-0.0807
Gm13	34834631	34835622 Gmdrm	hypo	CHH	-0.0811
Gm13	34843957	34844415 Gmdrm	hypo	CHH	-0.027
Gm13	34848449	34849449 Gmdrm	hypo	CHH	-0.032
Gm13	34849450	34850430 Gmdrm	hypo	CHH	-0.1512
Gm13	34855424	34856404 Gmdrm	hypo	CHH	-0.0176
Gm13	34859005	34859075 Gmdrm	hypo	CHH	-0.076
Gm13	34859790	34860772 Gmdrm	hypo	CHH	-0.0288
Gm13	34866845	34867844 Gmdrm	hypo	CHH	-0.0732
Gm13	34867846	34868838 Gmdrm	hypo	CHH	-0.1161
Gm13	34876014	34877007 Gmdrm	hypo	CHH	-0.0509
Gm13	34877018	34878018 Gmdrm	hypo	CHH	-0.079
Gm13	34881624	34882612 Gmdrm	hypo	CHH	-0.1579
Gm13	34882630	34883628 Gmdrm	hypo	CHH	-0.0845
Gm13	34883637	34884627 Gmdrm	hypo	CHH	-0.1476
Gm13	34889487	34890457 Gmdrm	hypo	CHH	-0.0231
Gm13	34898541	34899492 Gmdrm	hypo	CHH	-0.0148
Gm13	34900640	34901639 Gmdrm	hypo	CHH	-0.0767
Gm13	34901641	34902597 Gmdrm	hypo	CHH	-0.0315
Gm13	34902692	34903677 Gmdrm	hypo	CHH	-0.0255
Gm13	34906732	34907721 Gmdrm	hypo	CHH	-0.0512
Gm13	34922325	34922626 Gmdrm	hypo	CHH	-0.0378
Gm13	34923095	34923721 Gmdrm	hypo	CHH	-0.029
Gm13	34931087	34932081 Gmdrm	hypo	CHH	-0.0821
Gm13	34963509	34964500 Gmdrm	hypo	CHH	-0.0242
Gm13	34965571	34965919 Gmdrm	hypo	CHH	-0.0252
Gm13	34972367	34973365 Gmdrm	hypo	CHH	-0.0506
Gm13	34973382	34974313 Gmdrm	hypo	CHH	-0.0546
Gm13	34991690	34992675 Gmdrm	hypo	CHH	-0.0148
Gm13	34998217	34998851 Gmdrm	hypo	CHH	-0.0195
Gm13	35004550	35005550 Gmdrm	hypo	CHH	-0.1247
Gm13	35005555	35006549 Gmdrm	hypo	CHH	-0.0614
Gm13	35018705	35019693 Gmdrm	hypo	CHH	-0.0407
Gm13	35019718	35020717 Gmdrm	hypo	CHH	-0.046
Gm13	35020729	35021728 Gmdrm	hypo	CHH	-0.051
Gm13	35021730	35022713 Gmdrm	hypo	CHH	-0.1018

Gm13	35022733	35023661 Gmdrm	hypo	CHH	-0.0174
Gm13	35027148	35028148 Gmdrm	hypo	CHH	-0.1807
Gm13	35028150	35029141 Gmdrm	hypo	CHH	-0.1607
Gm13	35029151	35030137 Gmdrm	hypo	CHH	-0.0235
Gm13	35034203	35035201 Gmdrm	hypo	CHH	-0.2085
Gm13	35035207	35036186 Gmdrm	hypo	CHH	-0.1783
Gm13	35036649	35037624 Gmdrm	hypo	CHH	-0.0098
Gm13	35051464	35052433 Gmdrm	hypo	CHH	-0.0883
Gm13	35062184	35062888 Gmdrm	hypo	CHH	-0.0203
Gm13	35069174	35070157 Gmdrm	hypo	CHH	-0.0416
Gm13	35070175	35071170 Gmdrm	hypo	CHH	-0.0734
Gm13	35073028	35074006 Gmdrm	hypo	CHH	-0.0207
Gm13	35074784	35075780 Gmdrm	hypo	CHH	-0.0269
Gm13	35076803	35077802 Gmdrm	hypo	CHH	-0.2292
Gm13	35077804	35078802 Gmdrm	hypo	CHH	-0.2667
Gm13	35078852	35079483 Gmdrm	hypo	CHH	-0.02
Gm13	35080688	35081681 Gmdrm	hypo	CHH	-0.0162
Gm13	35098545	35099511 Gmdrm	hypo	CHH	-0.0219
Gm13	35111160	35112159 Gmdrm	hypo	CHH	-0.0563
Gm13	35112163	35113153 Gmdrm	hypo	CHH	-0.1516
Gm13	35113558	35114557 Gmdrm	hypo	CHH	-0.0999
Gm13	35119007	35119990 Gmdrm	hypo	CHH	-0.0184
Gm13	35134639	35135608 Gmdrm	hypo	CHH	-0.0151
Gm13	35152580	35153561 Gmdrm	hypo	CHH	-0.045
Gm13	35158141	35159137 Gmdrm	hypo	CHH	-0.0627
Gm13	35159177	35160153 Gmdrm	hypo	CHH	-0.054
Gm13	35161263	35162256 Gmdrm	hypo	CHH	-0.1744
Gm13	35170632	35171599 Gmdrm	hypo	CHH	-0.0802
Gm13	35171652	35172646 Gmdrm	hypo	CHH	-0.05
Gm13	35174533	35175533 Gmdrm	hypo	CHH	-0.0202
Gm13	35180376	35181376 Gmdrm	hypo	CHH	-0.0492
Gm13	35181379	35182379 Gmdrm	hypo	CHH	-0.0797
Gm13	35182383	35183371 Gmdrm	hypo	CHH	-0.0799
Gm13	35192635	35193634 Gmdrm	hypo	CHH	-0.042
Gm13	35193637	35194623 Gmdrm	hypo	CHH	-0.2387
Gm13	35200054	35201044 Gmdrm	hypo	CHH	-0.0843
Gm13	35201058	35201596 Gmdrm	hypo	CHH	-0.5093
Gm13	35204266	35204464 Gmdrm	hypo	CHH	-0.208
Gm13	35204574	35204944 Gmdrm	hypo	CHH	-0.2425
Gm13	35205059	35206025 Gmdrm	hypo	CHH	-0.1336
Gm13	35206078	35207067 Gmdrm	hypo	CHH	-0.1799
Gm13	35219445	35220442 Gmdrm	hypo	CHH	-0.0501
Gm13	35221447	35222431 Gmdrm	hypo	CHH	-0.1231
Gm13	35230608	35231602 Gmdrm	hypo	CHH	-0.1814
Gm13	35231618	35232603 Gmdrm	hypo	CHH	-0.0947
Gm13	35232630	35233624 Gmdrm	hypo	CHH	-0.0712

Gm13	35233635	35233848	Gmdrm	hypo	CHH	-0.0458
Gm13	35242484	35243093	Gmdrm	hypo	CHH	-0.2759
Gm13	35243927	35244394	Gmdrm	hypo	CHH	-0.1692
Gm13	35245027	35245975	Gmdrm	hypo	CHH	-0.2776
Gm13	35249763	35250747	Gmdrm	hypo	CHH	-0.0273
Gm13	35259343	35260343	Gmdrm	hypo	CHH	-0.0497
Gm13	35261074	35262071	Gmdrm	hypo	CHH	-0.0779
Gm13	35266001	35266363	Gmdrm	hypo	CHH	-0.0847
Gm13	35272482	35273061	Gmdrm	hypo	CHH	-0.035
Gm13	35273553	35274064	Gmdrm	hypo	CHH	-0.1136
Gm13	35274436	35274522	Gmdrm	hypo	CHH	-0.1983
Gm13	35274668	35274714	Gmdrm	hypo	CHH	-0.225
Gm13	35275110	35275845	Gmdrm	hypo	CHH	-0.058
Gm13	35279897	35280591	Gmdrm	hypo	CHH	-0.09
Gm13	35283240	35284230	Gmdrm	hypo	CHH	-0.0438
Gm13	35291599	35292007	Gmdrm	hypo	CHH	-0.1194
Gm13	35297466	35298460	Gmdrm	hypo	CHH	-0.023
Gm13	35300530	35301514	Gmdrm	hypo	CHH	-0.0307
Gm13	35301537	35302525	Gmdrm	hypo	CHH	-0.0559
Gm13	35306636	35307420	Gmdrm	hypo	CHH	-0.0254
Gm13	35309570	35310562	Gmdrm	hypo	CHH	-0.0227
Gm13	35312026	35313026	Gmdrm	hypo	CHH	-0.0654
Gm13	35313038	35314025	Gmdrm	hypo	CHH	-0.0677
Gm13	35318475	35319405	Gmdrm	hypo	CHH	-0.1099
Gm13	35340618	35341615	Gmdrm	hypo	CHH	-0.0117
Gm13	35347940	35348917	Gmdrm	hypo	CHH	-0.0194
Gm13	35348944	35349938	Gmdrm	hypo	CHH	-0.0701
Gm13	35356148	35357146	Gmdrm	hypo	CHH	-0.026
Gm13	35365722	35366646	Gmdrm	hypo	CHH	-0.0195
Gm13	35366850	35367494	Gmdrm	hypo	CHH	-0.0294
Gm13	35405233	35406227	Gmdrm	hypo	CHH	-0.039
Gm13	35415890	35416832	Gmdrm	hypo	CHH	-0.0124
Gm13	35421813	35422782	Gmdrm	hypo	CHH	-0.3548
Gm13	35423830	35424795	Gmdrm	hypo	CHH	-0.0209
Gm13	35425879	35426864	Gmdrm	hypo	CHH	-0.0391
Gm13	35428922	35429921	Gmdrm	hypo	CHH	-0.105
Gm13	35429924	35430908	Gmdrm	hypo	CHH	-0.0728
Gm13	35433173	35434165	Gmdrm	hypo	CHH	-0.0095
Gm13	35436203	35437201	Gmdrm	hypo	CHH	-0.0106
Gm13	35437208	35438199	Gmdrm	hypo	CHH	-0.0781
Gm13	35444202	35445202	Gmdrm	hypo	CHH	-0.0276
Gm13	35447329	35448320	Gmdrm	hypo	CHH	-0.0128
Gm13	35454860	35455858	Gmdrm	hypo	CHH	-0.0391
Gm13	35456970	35457956	Gmdrm	hypo	CHH	-0.0158
Gm13	35470037	35470135	Gmdrm	hypo	CHH	-0.0264
Gm13	35482019	35483009	Gmdrm	hypo	CHH	-0.0229

Gm13	35485288	35486282	Gmdrm	hypo	CHH	-0.0151
Gm13	35486343	35487335	Gmdrm	hypo	CHH	-0.0343
Gm13	35487352	35488327	Gmdrm	hypo	CHH	-0.036
Gm13	35494057	35495039	Gmdrm	hypo	CHH	-0.0115
Gm13	35495060	35496058	Gmdrm	hypo	CHH	-0.0398
Gm13	35502930	35503926	Gmdrm	hypo	CHH	-0.0232
Gm13	35509486	35510484	Gmdrm	hypo	CHH	-0.0185
Gm13	35512960	35513958	Gmdrm	hypo	CHH	-0.0251
Gm13	35519027	35520013	Gmdrm	hypo	CHH	-0.0521
Gm13	35524171	35525165	Gmdrm	hypo	CHH	-0.0384
Gm13	35527472	35528463	Gmdrm	hypo	CHH	-0.0165
Gm13	35542248	35542803	Gmdrm	hypo	CHH	-0.0574
Gm13	35545380	35546377	Gmdrm	hypo	CHH	-0.2835
Gm13	35546387	35547383	Gmdrm	hypo	CHH	-0.2709
Gm13	35547388	35548376	Gmdrm	hypo	CHH	-0.2305
Gm13	35548449	35549440	Gmdrm	hypo	CHH	-0.0116
Gm13	35553460	35554458	Gmdrm	hypo	CHH	-0.1067
Gm13	35572291	35573282	Gmdrm	hypo	CHH	-0.0433
Gm13	35574314	35574872	Gmdrm	hypo	CHH	-0.0154
Gm13	35612606	35613606	Gmdrm	hypo	CHH	-0.0202
Gm13	35615708	35616708	Gmdrm	hypo	CHH	-0.0854
Gm13	35616709	35617686	Gmdrm	hypo	CHH	-0.0737
Gm13	35619256	35620249	Gmdrm	hypo	CHH	-0.1099
Gm13	35623856	35624218	Gmdrm	hypo	CHH	-0.0352
Gm13	35626446	35627442	Gmdrm	hypo	CHH	-0.0579
Gm13	35629983	35630976	Gmdrm	hypo	CHH	-0.2588
Gm13	35631829	35632829	Gmdrm	hypo	CHH	-0.0269
Gm13	35632831	35633816	Gmdrm	hypo	CHH	-0.0969
Gm13	35633834	35634811	Gmdrm	hypo	CHH	-0.0681
Gm13	35635847	35636845	Gmdrm	hypo	CHH	-0.0475
Gm13	35636892	35637873	Gmdrm	hypo	CHH	-0.1171
Gm13	35637903	35638109	Gmdrm	hypo	CHH	-0.025
Gm13	35644745	35645744	Gmdrm	hypo	CHH	-0.0585
Gm13	35645762	35646755	Gmdrm	hypo	CHH	-0.0822
Gm13	35651090	35652081	Gmdrm	hypo	CHH	-0.144
Gm13	35652091	35653062	Gmdrm	hypo	CHH	-0.0124
Gm13	35654105	35655099	Gmdrm	hypo	CHH	-0.076
Gm13	35655110	35656110	Gmdrm	hypo	CHH	-0.0698
Gm13	35656114	35657113	Gmdrm	hypo	CHH	-0.0582
Gm13	35657138	35657893	Gmdrm	hypo	CHH	-0.0673
Gm13	35664460	35665453	Gmdrm	hypo	CHH	-0.0215
Gm13	35677077	35677317	Gmdrm	hypo	CHH	-0.0376
Gm13	35678934	35679930	Gmdrm	hypo	CHH	-0.0143
Gm13	35712402	35713309	Gmdrm	hypo	CHH	-0.0915
Gm13	35713932	35714930	Gmdrm	hypo	CHH	-0.1227
Gm13	35714950	35715490	Gmdrm	hypo	CHH	-0.1651

Gm13	35717118	35718101	Gmdrm	hypo	CHH	-0.1385
Gm13	35728511	35728700	Gmdrm	hypo	CHH	-0.0511
Gm13	35729621	35730545	Gmdrm	hypo	CHH	-0.0847
Gm13	35730779	35731353	Gmdrm	hypo	CHH	-0.0923
Gm13	35731479	35732468	Gmdrm	hypo	CHH	-0.079
Gm13	35732520	35733518	Gmdrm	hypo	CHH	-0.0964
Gm13	35733523	35734523	Gmdrm	hypo	CHH	-0.1014
Gm13	35734524	35734786	Gmdrm	hypo	CHH	-0.158
Gm13	35735221	35736219	Gmdrm	hypo	CHH	-0.0492
Gm13	35736222	35737214	Gmdrm	hypo	CHH	-0.0897
Gm13	35737237	35738229	Gmdrm	hypo	CHH	-0.0893
Gm13	35740324	35741308	Gmdrm	hypo	CHH	-0.0721
Gm13	35743748	35744747	Gmdrm	hypo	CHH	-0.0372
Gm13	35744757	35745750	Gmdrm	hypo	CHH	-0.0179
Gm13	35746433	35747421	Gmdrm	hypo	CHH	-0.1187
Gm13	35752458	35753455	Gmdrm	hypo	CHH	-0.0202
Gm13	35756158	35757120	Gmdrm	hypo	CHH	-0.0427
Gm13	35757432	35758417	Gmdrm	hypo	CHH	-0.0136
Gm13	35761785	35762785	Gmdrm	hypo	CHH	-0.2827
Gm13	35762792	35763545	Gmdrm	hypo	CHH	-0.2567
Gm13	35775356	35776356	Gmdrm	hypo	CHH	-0.1139
Gm13	35776360	35777359	Gmdrm	hypo	CHH	-0.0325
Gm13	35777362	35777781	Gmdrm	hypo	CHH	-0.0208
Gm13	35783613	35784611	Gmdrm	hypo	CHH	-0.3048
Gm13	35784622	35785621	Gmdrm	hypo	CHH	-0.0854
Gm13	35789010	35790009	Gmdrm	hypo	CHH	-0.0437
Gm13	35791774	35792764	Gmdrm	hypo	CHH	-0.165
Gm13	35838198	35839196	Gmdrm	hypo	CHH	-0.0117
Gm13	35846221	35846775	Gmdrm	hypo	CHH	-0.0308
Gm13	35848073	35848652	Gmdrm	hypo	CHH	-0.0378
Gm13	35860472	35861457	Gmdrm	hypo	CHH	-0.0218
Gm13	35868833	35869800	Gmdrm	hypo	CHH	-0.0191
Gm13	35873544	35874528	Gmdrm	hypo	CHH	-0.0336
Gm13	35888254	35888701	Gmdrm	hypo	CHH	-0.0177
Gm13	35911102	35911811	Gmdrm	hypo	CHH	-0.0359
Gm13	35912768	35913163	Gmdrm	hypo	CHH	-0.0563
Gm13	35916129	35917129	Gmdrm	hypo	CHH	-0.0432
Gm13	35920195	35920352	Gmdrm	hypo	CHH	-0.0289
Gm13	35921526	35922492	Gmdrm	hypo	CHH	-0.0221
Gm13	35923951	35924948	Gmdrm	hypo	CHH	-0.016
Gm13	35928329	35929324	Gmdrm	hypo	CHH	-0.0709
Gm13	35930248	35931247	Gmdrm	hypo	CHH	-0.0925
Gm13	35932868	35933138	Gmdrm	hypo	CHH	-0.0308
Gm13	35951302	35952294	Gmdrm	hypo	CHH	-0.0356
Gm13	35952308	35953246	Gmdrm	hypo	CHH	-0.0232
Gm13	35959141	35960135	Gmdrm	hypo	CHH	-0.0418

Gm13	35960142	35960718	Gmdrm	hypo	CHH	-0.1001
Gm13	35961917	35962836	Gmdrm	hypo	CHH	-0.0159
Gm13	35966368	35967362	Gmdrm	hypo	CHH	-0.0238
Gm13	35969332	35970332	Gmdrm	hypo	CHH	-0.1036
Gm13	35970334	35971314	Gmdrm	hypo	CHH	-0.1118
Gm13	35989161	35989632	Gmdrm	hypo	CHH	-0.0391
Gm13	35996936	35997934	Gmdrm	hypo	CHH	-0.0469
Gm13	35997937	35998921	Gmdrm	hypo	CHH	-0.1325
Gm13	36005735	36006178	Gmdrm	hypo	CHH	-0.0208
Gm13	36010057	36010742	Gmdrm	hypo	CHH	-0.0212
Gm13	36010870	36011868	Gmdrm	hypo	CHH	-0.2376
Gm13	36025794	36026769	Gmdrm	hypo	CHH	-0.0167
Gm13	36031230	36032226	Gmdrm	hypo	CHH	-0.1705
Gm13	36051881	36052355	Gmdrm	hypo	CHH	-0.0663
Gm13	36052588	36053571	Gmdrm	hypo	CHH	-0.0249
Gm13	36061913	36062166	Gmdrm	hypo	CHH	-0.0767
Gm13	36070172	36071044	Gmdrm	hypo	CHH	-0.0237
Gm13	36071712	36072697	Gmdrm	hypo	CHH	-0.1013
Gm13	36091696	36092694	Gmdrm	hypo	CHH	-0.0191
Gm13	36092699	36093432	Gmdrm	hypo	CHH	-0.0492
Gm13	36093860	36094371	Gmdrm	hypo	CHH	-0.0312
Gm13	36102577	36103576	Gmdrm	hypo	CHH	-0.0975
Gm13	36103581	36103672	Gmdrm	hypo	CHH	-0.2042
Gm13	36104879	36105495	Gmdrm	hypo	CHH	-0.0503
Gm13	36106190	36107181	Gmdrm	hypo	CHH	-0.0154
Gm13	36109545	36110398	Gmdrm	hypo	CHH	-0.0298
Gm13	36119588	36120550	Gmdrm	hypo	CHH	-0.0196
Gm13	36120601	36121586	Gmdrm	hypo	CHH	-0.0292
Gm13	36121706	36122706	Gmdrm	hypo	CHH	-0.0537
Gm13	36127786	36128782	Gmdrm	hypo	CHH	-0.0415
Gm13	36133654	36134632	Gmdrm	hypo	CHH	-0.1788
Gm13	36137853	36138839	Gmdrm	hypo	CHH	-0.0133
Gm13	36147755	36148296	Gmdrm	hypo	CHH	-0.0249
Gm13	36149239	36150238	Gmdrm	hypo	CHH	-0.0169
Gm13	36150243	36151237	Gmdrm	hypo	CHH	-0.0798
Gm13	36151266	36152265	Gmdrm	hypo	CHH	-0.032
Gm13	36166081	36167071	Gmdrm	hypo	CHH	-0.0232
Gm13	36169092	36170088	Gmdrm	hypo	CHH	-0.0217
Gm13	36175911	36176911	Gmdrm	hypo	CHH	-0.0202
Gm13	36180582	36181562	Gmdrm	hypo	CHH	-0.1525
Gm13	36190591	36191277	Gmdrm	hypo	CHH	-0.033
Gm13	36195499	36196491	Gmdrm	hypo	CHH	-0.0668
Gm13	36203495	36204298	Gmdrm	hypo	CHH	-0.0263
Gm13	36209850	36210804	Gmdrm	hypo	CHH	-0.0165
Gm13	36211549	36212549	Gmdrm	hypo	CHH	-0.1714
Gm13	36212551	36213492	Gmdrm	hypo	CHH	-0.2815

Gm13	36233204	36234198	Gmdrm	hypo	CHH	-0.0288
Gm13	36242017	36243012	Gmdrm	hypo	CHH	-0.0372
Gm13	36248285	36249277	Gmdrm	hypo	CHH	-0.0213
Gm13	36250229	36251224	Gmdrm	hypo	CHH	-0.0282
Gm13	36251232	36252217	Gmdrm	hypo	CHH	-0.0199
Gm13	36252239	36252589	Gmdrm	hypo	CHH	-0.0292
Gm13	36256416	36257371	Gmdrm	hypo	CHH	-0.014
Gm13	36274408	36275402	Gmdrm	hypo	CHH	-0.0268
Gm13	36276683	36277681	Gmdrm	hypo	CHH	-0.0154
Gm13	36277694	36278691	Gmdrm	hypo	CHH	-0.0162
Gm13	36280751	36281351	Gmdrm	hypo	CHH	-0.0943
Gm13	36283190	36284183	Gmdrm	hypo	CHH	-0.061
Gm13	36304936	36305934	Gmdrm	hypo	CHH	-0.0693
Gm13	36305957	36306015	Gmdrm	hypo	CHH	-0.464
Gm13	36306256	36307250	Gmdrm	hypo	CHH	-0.2422
Gm13	36317298	36318296	Gmdrm	hypo	CHH	-0.0793
Gm13	36318306	36319259	Gmdrm	hypo	CHH	-0.0615
Gm13	36325370	36326368	Gmdrm	hypo	CHH	-0.0752
Gm13	36326373	36327312	Gmdrm	hypo	CHH	-0.1039
Gm13	36331168	36332158	Gmdrm	hypo	CHH	-0.2661
Gm13	36334645	36335612	Gmdrm	hypo	CHH	-0.0257
Gm13	36342528	36343527	Gmdrm	hypo	CHH	-0.1527
Gm13	36343530	36344498	Gmdrm	hypo	CHH	-0.0281
Gm13	36345899	36346885	Gmdrm	hypo	CHH	-0.0561
Gm13	36351971	36352961	Gmdrm	hypo	CHH	-0.0231
Gm13	36360315	36360604	Gmdrm	hypo	CHH	-0.0407
Gm13	36373357	36374357	Gmdrm	hypo	CHH	-0.0246
Gm13	36376656	36377648	Gmdrm	hypo	CHH	-0.0366
Gm13	36377675	36378674	Gmdrm	hypo	CHH	-0.0583
Gm13	36384476	36385418	Gmdrm	hypo	CHH	-0.1235
Gm13	36385477	36386437	Gmdrm	hypo	CHH	-0.0713
Gm13	36391227	36392182	Gmdrm	hypo	CHH	-0.1562
Gm13	36397544	36398472	Gmdrm	hypo	CHH	-0.0212
Gm13	36401167	36401801	Gmdrm	hypo	CHH	-0.0232
Gm13	36404601	36405599	Gmdrm	hypo	CHH	-0.0373
Gm13	36407618	36408616	Gmdrm	hypo	CHH	-0.1615
Gm13	36412157	36412998	Gmdrm	hypo	CHH	-0.1163
Gm13	36413215	36414207	Gmdrm	hypo	CHH	-0.1709
Gm13	36415916	36416890	Gmdrm	hypo	CHH	-0.0292
Gm13	36432460	36433426	Gmdrm	hypo	CHH	-0.0171
Gm13	36436202	36437193	Gmdrm	hypo	CHH	-0.0292
Gm13	36438464	36439464	Gmdrm	hypo	CHH	-0.0544
Gm13	36439466	36440459	Gmdrm	hypo	CHH	-0.0434
Gm13	36446640	36447590	Gmdrm	hypo	CHH	-0.0164
Gm13	36450347	36451310	Gmdrm	hypo	CHH	-0.4379
Gm13	36454075	36455072	Gmdrm	hypo	CHH	-0.0193

Gm13	36479164	36480148	Gmdrm	hypo	CHH	-0.0244
Gm13	36480166	36481141	Gmdrm	hypo	CHH	-0.0146
Gm13	36484265	36485253	Gmdrm	hypo	CHH	-0.0131
Gm13	36487228	36488226	Gmdrm	hypo	CHH	-0.0852
Gm13	36490543	36491522	Gmdrm	hypo	CHH	-0.0255
Gm13	36495465	36496440	Gmdrm	hypo	CHH	-0.0161
Gm13	36500530	36500664	Gmdrm	hypo	CHH	-0.0473
Gm13	36507878	36508815	Gmdrm	hypo	CHH	-0.0165
Gm13	36508906	36509901	Gmdrm	hypo	CHH	-0.0167
Gm13	36519693	36520250	Gmdrm	hypo	CHH	-0.0402
Gm13	36522433	36523415	Gmdrm	hypo	CHH	-0.0129
Gm13	36526577	36527574	Gmdrm	hypo	CHH	-0.0114
Gm13	36537860	36538860	Gmdrm	hypo	CHH	-0.1138
Gm13	36538865	36539861	Gmdrm	hypo	CHH	-0.0446
Gm13	36540647	36541645	Gmdrm	hypo	CHH	-0.2553
Gm13	36542701	36543678	Gmdrm	hypo	CHH	-0.0292
Gm13	36545803	36546799	Gmdrm	hypo	CHH	-0.0179
Gm13	36549870	36550866	Gmdrm	hypo	CHH	-0.0966
Gm13	36550871	36551849	Gmdrm	hypo	CHH	-0.0271
Gm13	36553962	36554922	Gmdrm	hypo	CHH	-0.13
Gm13	36559851	36559964	Gmdrm	hypo	CHH	-0.056
Gm13	36563010	36564007	Gmdrm	hypo	CHH	-0.0118
Gm13	36578001	36578961	Gmdrm	hypo	CHH	-0.0167
Gm13	36579029	36580024	Gmdrm	hypo	CHH	-0.0928
Gm13	36580030	36580498	Gmdrm	hypo	CHH	-0.028
Gm13	36580609	36581580	Gmdrm	hypo	CHH	-0.0146
Gm13	36590055	36590803	Gmdrm	hypo	CHH	-0.0257
Gm13	36595440	36596435	Gmdrm	hypo	CHH	-0.015
Gm13	36600137	36601137	Gmdrm	hypo	CHH	-0.0156
Gm13	36608390	36609380	Gmdrm	hypo	CHH	-0.0119
Gm13	36616992	36617986	Gmdrm	hypo	CHH	-0.0181
Gm13	36620014	36621009	Gmdrm	hypo	CHH	-0.0173
Gm13	36637183	36638180	Gmdrm	hypo	CHH	-0.1095
Gm13	36638184	36639168	Gmdrm	hypo	CHH	-0.1486
Gm13	36639206	36640190	Gmdrm	hypo	CHH	-0.1776
Gm13	36659569	36660568	Gmdrm	hypo	CHH	-0.0723
Gm13	36660571	36661569	Gmdrm	hypo	CHH	-0.0455
Gm13	36677469	36678465	Gmdrm	hypo	CHH	-0.0186
Gm13	36678477	36679444	Gmdrm	hypo	CHH	-0.0207
Gm13	36687366	36688297	Gmdrm	hypo	CHH	-0.1193
Gm13	36688387	36689377	Gmdrm	hypo	CHH	-0.1239
Gm13	36689389	36690369	Gmdrm	hypo	CHH	-0.1565
Gm13	36690393	36691388	Gmdrm	hypo	CHH	-0.0121
Gm13	36691396	36692392	Gmdrm	hypo	CHH	-0.0126
Gm13	36692405	36693344	Gmdrm	hypo	CHH	-0.0628
Gm13	36693442	36694421	Gmdrm	hypo	CHH	-0.0888

Gm13	36694695	36695687	Gmdrm	hypo	CHH	-0.0142
Gm13	36697481	36698465	Gmdrm	hypo	CHH	-0.0512
Gm13	36698496	36699496	Gmdrm	hypo	CHH	-0.0226
Gm13	36718010	36718986	Gmdrm	hypo	CHH	-0.0248
Gm13	36727756	36728528	Gmdrm	hypo	CHH	-0.0382
Gm13	36728669	36729281	Gmdrm	hypo	CHH	-0.0196
Gm13	36746260	36747013	Gmdrm	hypo	CHH	-0.0134
Gm13	36749445	36750434	Gmdrm	hypo	CHH	-0.0184
Gm13	36750458	36751441	Gmdrm	hypo	CHH	-0.0117
Gm13	36754408	36754833	Gmdrm	hypo	CHH	-0.0951
Gm13	36777330	36778216	Gmdrm	hypo	CHH	-0.037
Gm13	36781146	36782145	Gmdrm	hypo	CHH	-0.1025
Gm13	36786236	36787236	Gmdrm	hypo	CHH	-0.1237
Gm13	36787237	36788233	Gmdrm	hypo	CHH	-0.049
Gm13	36793851	36794704	Gmdrm	hypo	CHH	-0.0229
Gm13	36798018	36798622	Gmdrm	hypo	CHH	-0.0311
Gm13	36801546	36802530	Gmdrm	hypo	CHH	-0.265
Gm13	36804565	36805562	Gmdrm	hypo	CHH	-0.014
Gm13	36823665	36824065	Gmdrm	hypo	CHH	-0.0329
Gm13	36826062	36826531	Gmdrm	hypo	CHH	-0.0568
Gm13	36834373	36834655	Gmdrm	hypo	CHH	-0.0462
Gm13	36853079	36854077	Gmdrm	hypo	CHH	-0.0296
Gm13	36855094	36856094	Gmdrm	hypo	CHH	-0.0127
Gm13	36856647	36857633	Gmdrm	hypo	CHH	-0.0213
Gm13	36874678	36875664	Gmdrm	hypo	CHH	-0.0195
Gm13	36876691	36877639	Gmdrm	hypo	CHH	-0.1464
Gm13	36877703	36878525	Gmdrm	hypo	CHH	-0.377
Gm13	36884419	36885390	Gmdrm	hypo	CHH	-0.029
Gm13	36888503	36889502	Gmdrm	hypo	CHH	-0.3843
Gm13	36889508	36889934	Gmdrm	hypo	CHH	-0.1717
Gm13	36892683	36893666	Gmdrm	hypo	CHH	-0.1297
Gm13	36894107	36895061	Gmdrm	hypo	CHH	-0.1951
Gm13	36896141	36897141	Gmdrm	hypo	CHH	-0.0691
Gm13	36897146	36898127	Gmdrm	hypo	CHH	-0.0482
Gm13	36898150	36899139	Gmdrm	hypo	CHH	-0.0649
Gm13	36926663	36927662	Gmdrm	hypo	CHH	-0.1944
Gm13	36927672	36928640	Gmdrm	hypo	CHH	-0.1299
Gm13	36941222	36942213	Gmdrm	hypo	CHH	-0.1573
Gm13	36949484	36950475	Gmdrm	hypo	CHH	-0.4383
Gm13	36950488	36950591	Gmdrm	hypo	CHH	-0.3224
Gm13	36954038	36955037	Gmdrm	hypo	CHH	-0.0767
Gm13	36963135	36964117	Gmdrm	hypo	CHH	-0.0123
Gm13	36966452	36967452	Gmdrm	hypo	CHH	-0.0604
Gm13	36967455	36968451	Gmdrm	hypo	CHH	-0.1145
Gm13	36970507	36971474	Gmdrm	hypo	CHH	-0.1321
Gm13	36982201	36982605	Gmdrm	hypo	CHH	-0.075

Gm13	36985826	36986810	Gmdrm	hypo	CHH	-0.1116
Gm13	36991274	36992267	Gmdrm	hypo	CHH	-0.0151
Gm13	36992792	36993034	Gmdrm	hypo	CHH	-0.0275
Gm13	36994144	36995144	Gmdrm	hypo	CHH	-0.0433
Gm13	36998316	36999313	Gmdrm	hypo	CHH	-0.0752
Gm13	36999317	36999617	Gmdrm	hypo	CHH	-0.0343
Gm13	37009492	37010472	Gmdrm	hypo	CHH	-0.0238
Gm13	37011513	37012511	Gmdrm	hypo	CHH	-0.0179
Gm13	37013536	37014459	Gmdrm	hypo	CHH	-0.0498
Gm13	37015510	37016471	Gmdrm	hypo	CHH	-0.1617
Gm13	37024270	37025226	Gmdrm	hypo	CHH	-0.0543
Gm13	37033434	37034433	Gmdrm	hypo	CHH	-0.0196
Gm13	37034437	37035380	Gmdrm	hypo	CHH	-0.0109
Gm13	37038514	37039514	Gmdrm	hypo	CHH	-0.1173
Gm13	37039535	37040521	Gmdrm	hypo	CHH	-0.2531
Gm13	37060302	37061292	Gmdrm	hypo	CHH	-0.0742
Gm13	37077771	37078769	Gmdrm	hypo	CHH	-0.0485
Gm13	37086764	37086954	Gmdrm	hypo	CHH	-0.0456
Gm13	37088749	37089746	Gmdrm	hypo	CHH	-0.1512
Gm13	37089750	37090750	Gmdrm	hypo	CHH	-0.1202
Gm13	37090751	37091746	Gmdrm	hypo	CHH	-0.1076
Gm13	37091757	37091808	Gmdrm	hypo	CHH	-0.23
Gm13	37092925	37093898	Gmdrm	hypo	CHH	-0.1766
Gm13	37093926	37094906	Gmdrm	hypo	CHH	-0.0802
Gm13	37094937	37095906	Gmdrm	hypo	CHH	-0.0743
Gm13	37103205	37104197	Gmdrm	hypo	CHH	-0.0229
Gm13	37106234	37106645	Gmdrm	hypo	CHH	-0.0445
Gm13	37113105	37114093	Gmdrm	hypo	CHH	-0.0449
Gm13	37114106	37115105	Gmdrm	hypo	CHH	-0.0334
Gm13	37115111	37115179	Gmdrm	hypo	CHH	-0.085
Gm13	37116556	37117544	Gmdrm	hypo	CHH	-0.1097
Gm13	37117601	37118601	Gmdrm	hypo	CHH	-0.0239
Gm13	37121814	37122066	Gmdrm	hypo	CHH	-0.0475
Gm13	37124511	37125505	Gmdrm	hypo	CHH	-0.1039
Gm13	37125527	37126482	Gmdrm	hypo	CHH	-0.2141
Gm13	37128585	37129574	Gmdrm	hypo	CHH	-0.0893
Gm13	37129612	37130608	Gmdrm	hypo	CHH	-0.0144
Gm13	37173212	37174200	Gmdrm	hypo	CHH	-0.0339
Gm13	37177245	37178242	Gmdrm	hypo	CHH	-0.3406
Gm13	37178249	37178968	Gmdrm	hypo	CHH	-0.0598
Gm13	37203584	37204568	Gmdrm	hypo	CHH	-0.037
Gm13	37205625	37206621	Gmdrm	hypo	CHH	-0.0705
Gm13	37206628	37207627	Gmdrm	hypo	CHH	-0.0501
Gm13	37224485	37225431	Gmdrm	hypo	CHH	-0.0174
Gm13	37235004	37236001	Gmdrm	hypo	CHH	-0.0273
Gm13	37236020	37236996	Gmdrm	hypo	CHH	-0.1454

Gm13	37247714	37248714	Gmdrm	hypo	CHH	-0.0197
Gm13	37252090	37253062	Gmdrm	hypo	CHH	-0.0382
Gm13	37257717	37258712	Gmdrm	hypo	CHH	-0.0169
Gm13	37266266	37267266	Gmdrm	hypo	CHH	-0.0673
Gm13	37268293	37269289	Gmdrm	hypo	CHH	-0.0162
Gm13	37271723	37272684	Gmdrm	hypo	CHH	-0.0195
Gm13	37280720	37281716	Gmdrm	hypo	CHH	-0.2489
Gm13	37290443	37291421	Gmdrm	hypo	CHH	-0.2956
Gm13	37306959	37307956	Gmdrm	hypo	CHH	-0.0101
Gm13	37308987	37309954	Gmdrm	hypo	CHH	-0.016
Gm13	37331846	37332845	Gmdrm	hypo	CHH	-0.0203
Gm13	37349470	37350455	Gmdrm	hypo	CHH	-0.0456
Gm13	37369267	37370250	Gmdrm	hypo	CHH	-0.024
Gm13	37371306	37372267	Gmdrm	hypo	CHH	-0.0265
Gm13	37394257	37395253	Gmdrm	hypo	CHH	-0.0191
Gm13	37401524	37402294	Gmdrm	hypo	CHH	-0.3983
Gm13	37416911	37417489	Gmdrm	hypo	CHH	-0.0118
Gm13	37420668	37421629	Gmdrm	hypo	CHH	-0.0491
Gm13	37433624	37434599	Gmdrm	hypo	CHH	-0.0101
Gm13	37456112	37457106	Gmdrm	hypo	CHH	-0.0097
Gm13	37462698	37463698	Gmdrm	hypo	CHH	-0.0118
Gm13	37464712	37465400	Gmdrm	hypo	CHH	-0.0855
Gm13	37486154	37487134	Gmdrm	hypo	CHH	-0.0144
Gm13	37493200	37494167	Gmdrm	hypo	CHH	-0.0123
Gm13	37496070	37497065	Gmdrm	hypo	CHH	-0.1784
Gm13	37497073	37498068	Gmdrm	hypo	CHH	-0.1139
Gm13	37498075	37499037	Gmdrm	hypo	CHH	-0.1887
Gm13	37504512	37505512	Gmdrm	hypo	CHH	-0.064
Gm13	37508539	37509524	Gmdrm	hypo	CHH	-0.155
Gm13	37513469	37514447	Gmdrm	hypo	CHH	-0.0177
Gm13	37516798	37517771	Gmdrm	hypo	CHH	-0.05
Gm13	37517817	37518793	Gmdrm	hypo	CHH	-0.0424
Gm13	37519824	37520547	Gmdrm	hypo	CHH	-0.0263
Gm13	37526498	37526777	Gmdrm	hypo	CHH	-0.0259
Gm13	37529340	37530331	Gmdrm	hypo	CHH	-0.0474
Gm13	37537457	37538454	Gmdrm	hypo	CHH	-0.0267
Gm13	37538471	37539455	Gmdrm	hypo	CHH	-0.0205
Gm13	37539478	37540474	Gmdrm	hypo	CHH	-0.0632
Gm13	37545349	37546346	Gmdrm	hypo	CHH	-0.0204
Gm13	37561564	37562541	Gmdrm	hypo	CHH	-0.0436
Gm13	37562579	37563329	Gmdrm	hypo	CHH	-0.0236
Gm13	37580901	37581900	Gmdrm	hypo	CHH	-0.0114
Gm13	37586511	37587511	Gmdrm	hypo	CHH	-0.0325
Gm13	37587513	37588511	Gmdrm	hypo	CHH	-0.0117
Gm13	37601754	37602742	Gmdrm	hypo	CHH	-0.0187
Gm13	37605853	37606852	Gmdrm	hypo	CHH	-0.0132

Gm13	37606871	37607862	Gmdrm	hypo	CHH	-0.0125
Gm13	37614162	37615162	Gmdrm	hypo	CHH	-0.1186
Gm13	37615164	37616162	Gmdrm	hypo	CHH	-0.0928
Gm13	37623056	37624002	Gmdrm	hypo	CHH	-0.0135
Gm13	37627573	37628572	Gmdrm	hypo	CHH	-0.2129
Gm13	37628574	37629246	Gmdrm	hypo	CHH	-0.1245
Gm13	37629411	37630406	Gmdrm	hypo	CHH	-0.0145
Gm13	37631971	37632476	Gmdrm	hypo	CHH	-0.0193
Gm13	37655719	37656695	Gmdrm	hypo	CHH	-0.0208
Gm13	37660160	37661152	Gmdrm	hypo	CHH	-0.0152
Gm13	37666458	37666894	Gmdrm	hypo	CHH	-0.0425
Gm13	37685733	37686598	Gmdrm	hypo	CHH	-0.0211
Gm13	37690811	37691735	Gmdrm	hypo	CHH	-0.0231
Gm13	37695202	37696179	Gmdrm	hypo	CHH	-0.013
Gm13	37700016	37701006	Gmdrm	hypo	CHH	-0.0101
Gm13	37716387	37716814	Gmdrm	hypo	CHH	-0.0257
Gm13	37724338	37725327	Gmdrm	hypo	CHH	-0.3082
Gm13	37742470	37743432	Gmdrm	hypo	CHH	-0.1165
Gm13	37743522	37744520	Gmdrm	hypo	CHH	-0.0231
Gm13	37744529	37745509	Gmdrm	hypo	CHH	-0.0694
Gm13	37761718	37762712	Gmdrm	hypo	CHH	-0.0296
Gm13	37764698	37765673	Gmdrm	hypo	CHH	-0.0259
Gm13	37783260	37784250	Gmdrm	hypo	CHH	-0.1128
Gm13	37786540	37787532	Gmdrm	hypo	CHH	-0.0132
Gm13	37788587	37789582	Gmdrm	hypo	CHH	-0.0158
Gm13	37789589	37790566	Gmdrm	hypo	CHH	-0.0996
Gm13	37793237	37794234	Gmdrm	hypo	CHH	-0.0123
Gm13	37794260	37795228	Gmdrm	hypo	CHH	-0.025
Gm13	37795270	37796267	Gmdrm	hypo	CHH	-0.0577
Gm13	37796272	37797271	Gmdrm	hypo	CHH	-0.0983
Gm13	37797275	37798272	Gmdrm	hypo	CHH	-0.0355
Gm13	37799285	37799698	Gmdrm	hypo	CHH	-0.0362
Gm13	37802243	37803223	Gmdrm	hypo	CHH	-0.1281
Gm13	37805341	37806269	Gmdrm	hypo	CHH	-0.0398
Gm13	37806359	37807349	Gmdrm	hypo	CHH	-0.024
Gm13	37818607	37819572	Gmdrm	hypo	CHH	-0.0245
Gm13	37821204	37822196	Gmdrm	hypo	CHH	-0.0292
Gm13	37825115	37826105	Gmdrm	hypo	CHH	-0.082
Gm13	37842071	37843040	Gmdrm	hypo	CHH	-0.0484
Gm13	37843105	37844097	Gmdrm	hypo	CHH	-0.1193
Gm13	37845113	37846088	Gmdrm	hypo	CHH	-0.0852
Gm13	37846585	37847582	Gmdrm	hypo	CHH	-0.0226
Gm13	37850457	37851445	Gmdrm	hypo	CHH	-0.0107
Gm13	37862333	37863309	Gmdrm	hypo	CHH	-0.0261
Gm13	37870349	37871345	Gmdrm	hypo	CHH	-0.0903
Gm13	37874830	37875821	Gmdrm	hypo	CHH	-0.4481

Gm13	37880038	37881037	Gmdrm	hypo	CHH	-0.1133
Gm13	37881045	37882043	Gmdrm	hypo	CHH	-0.0719
Gm13	37884102	37885078	Gmdrm	hypo	CHH	-0.0185
Gm13	37885107	37886078	Gmdrm	hypo	CHH	-0.0233
Gm13	37912622	37913070	Gmdrm	hypo	CHH	-0.0394
Gm13	37915547	37916294	Gmdrm	hypo	CHH	-0.0246
Gm13	37931702	37932692	Gmdrm	hypo	CHH	-0.0697
Gm13	37934240	37935236	Gmdrm	hypo	CHH	-0.1245
Gm13	37935241	37936234	Gmdrm	hypo	CHH	-0.1201
Gm13	37936245	37937244	Gmdrm	hypo	CHH	-0.0767
Gm13	37937251	37938227	Gmdrm	hypo	CHH	-0.0147
Gm13	37942373	37943369	Gmdrm	hypo	CHH	-0.0295
Gm13	37952367	37953343	Gmdrm	hypo	CHH	-0.031
Gm13	37963497	37963834	Gmdrm	hypo	CHH	-0.0392
Gm13	37970455	37971454	Gmdrm	hypo	CHH	-0.1457
Gm13	37971456	37971991	Gmdrm	hypo	CHH	-0.0508
Gm13	37972681	37973674	Gmdrm	hypo	CHH	-0.0181
Gm13	37993818	37994815	Gmdrm	hypo	CHH	-0.0237
Gm13	37997237	37998237	Gmdrm	hypo	CHH	-0.0793
Gm13	37998238	37999230	Gmdrm	hypo	CHH	-0.1323
Gm13	38001322	38002284	Gmdrm	hypo	CHH	-0.0176
Gm13	38005922	38006909	Gmdrm	hypo	CHH	-0.0576
Gm13	38006925	38007923	Gmdrm	hypo	CHH	-0.0924
Gm13	38013220	38014208	Gmdrm	hypo	CHH	-0.0746
Gm13	38015277	38016267	Gmdrm	hypo	CHH	-0.3932
Gm13	38016740	38017738	Gmdrm	hypo	CHH	-0.0279
Gm13	38031846	38032833	Gmdrm	hypo	CHH	-0.0184
Gm13	38043150	38044144	Gmdrm	hypo	CHH	-0.1317
Gm13	38044151	38045150	Gmdrm	hypo	CHH	-0.0235
Gm13	38056145	38057144	Gmdrm	hypo	CHH	-0.0546
Gm13	38065172	38066152	Gmdrm	hypo	CHH	-0.0268
Gm13	38066173	38067092	Gmdrm	hypo	CHH	-0.0107
Gm13	38067180	38068155	Gmdrm	hypo	CHH	-0.0175
Gm13	38069231	38070056	Gmdrm	hypo	CHH	-0.0252
Gm13	38070171	38071158	Gmdrm	hypo	CHH	-0.0401
Gm13	38071185	38072183	Gmdrm	hypo	CHH	-0.0269
Gm13	38078048	38079017	Gmdrm	hypo	CHH	-0.0499
Gm13	38080323	38081286	Gmdrm	hypo	CHH	-0.0245
Gm13	38090359	38091358	Gmdrm	hypo	CHH	-0.0308
Gm13	38095043	38095858	Gmdrm	hypo	CHH	-0.0554
Gm13	38116987	38117889	Gmdrm	hypo	CHH	-0.0622
Gm13	38121256	38122230	Gmdrm	hypo	CHH	-0.0125
Gm13	38141852	38142843	Gmdrm	hypo	CHH	-0.0205
Gm13	38143895	38144886	Gmdrm	hypo	CHH	-0.0439
Gm13	38144901	38145900	Gmdrm	hypo	CHH	-0.1184
Gm13	38147923	38148814	Gmdrm	hypo	CHH	-0.2898

Gm13	38154750	38155732	Gmdrm	hypo	CHH	-0.0127
Gm13	38158845	38159842	Gmdrm	hypo	CHH	-0.0449
Gm13	38162305	38163067	Gmdrm	hypo	CHH	-0.349
Gm13	38170217	38170278	Gmdrm	hypo	CHH	-0.0234
Gm13	38173433	38174413	Gmdrm	hypo	CHH	-0.0633
Gm13	38174436	38175435	Gmdrm	hypo	CHH	-0.0196
Gm13	38175438	38176430	Gmdrm	hypo	CHH	-0.0251
Gm13	38178464	38179463	Gmdrm	hypo	CHH	-0.0151
Gm13	38180480	38181479	Gmdrm	hypo	CHH	-0.0054
Gm13	38181481	38182480	Gmdrm	hypo	CHH	-0.0097
Gm13	38182494	38183492	Gmdrm	hypo	CHH	-0.0132
Gm13	38183514	38184510	Gmdrm	hypo	CHH	-0.0724
Gm13	38184515	38185485	Gmdrm	hypo	CHH	-0.0274
Gm13	38185533	38186533	Gmdrm	hypo	CHH	-0.0045
Gm13	38189551	38190538	Gmdrm	hypo	CHH	-0.0033
Gm13	38191578	38192573	Gmdrm	hypo	CHH	-0.007
Gm13	38192579	38193573	Gmdrm	hypo	CHH	-0.039
Gm13	38193580	38194574	Gmdrm	hypo	CHH	-0.0531
Gm13	38194582	38195571	Gmdrm	hypo	CHH	-0.0233
Gm13	38198606	38199606	Gmdrm	hypo	CHH	-0.0284
Gm13	38199612	38200602	Gmdrm	hypo	CHH	-0.0184
Gm13	38206216	38207216	Gmdrm	hypo	CHH	-0.014
Gm13	38212248	38212784	Gmdrm	hypo	CHH	-0.015
Gm13	38212889	38213884	Gmdrm	hypo	CHH	-0.0177
Gm13	38213891	38214890	Gmdrm	hypo	CHH	-0.0375
Gm13	38219907	38220907	Gmdrm	hypo	CHH	-0.021
Gm13	38222917	38223917	Gmdrm	hypo	CHH	-0.0261
Gm13	38223918	38224910	Gmdrm	hypo	CHH	-0.0415
Gm13	38224919	38225918	Gmdrm	hypo	CHH	-0.007
Gm13	38225920	38226918	Gmdrm	hypo	CHH	-0.0263
Gm13	38226921	38227902	Gmdrm	hypo	CHH	-0.0692
Gm13	38228939	38229933	Gmdrm	hypo	CHH	-0.027
Gm13	38229942	38230940	Gmdrm	hypo	CHH	-0.0963
Gm13	38283130	38284115	Gmdrm	hypo	CHH	-0.063
Gm13	38284160	38285148	Gmdrm	hypo	CHH	-0.0125
Gm13	38291882	38292822	Gmdrm	hypo	CHH	-0.0168
Gm13	38295868	38296429	Gmdrm	hypo	CHH	-0.1137
Gm13	38296644	38297639	Gmdrm	hypo	CHH	-0.1115
Gm13	38302754	38303540	Gmdrm	hypo	CHH	-0.0205
Gm13	38308504	38309491	Gmdrm	hypo	CHH	-0.0771
Gm13	38315499	38315747	Gmdrm	hypo	CHH	-0.0448
Gm13	38315965	38316915	Gmdrm	hypo	CHH	-0.5232
Gm13	38318175	38319174	Gmdrm	hypo	CHH	-0.0937
Gm13	38321235	38322182	Gmdrm	hypo	CHH	-0.0214
Gm13	38326904	38327782	Gmdrm	hypo	CHH	-0.0418
Gm13	38328111	38329104	Gmdrm	hypo	CHH	-0.0259

Gm13	38331173	38332172	Gmdrm	hypo	CHH	-0.3526
Gm13	38332176	38333175	Gmdrm	hypo	CHH	-0.2964
Gm13	38336469	38337462	Gmdrm	hypo	CHH	-0.0701
Gm13	38337481	38338480	Gmdrm	hypo	CHH	-0.0755
Gm13	38343324	38344320	Gmdrm	hypo	CHH	-0.0148
Gm13	38346451	38347449	Gmdrm	hypo	CHH	-0.016
Gm13	38354191	38354464	Gmdrm	hypo	CHH	-0.0386
Gm13	38356354	38357313	Gmdrm	hypo	CHH	-0.027
Gm13	38368264	38369261	Gmdrm	hypo	CHH	-0.0148
Gm13	38370867	38371865	Gmdrm	hypo	CHH	-0.095
Gm13	38371873	38372000	Gmdrm	hypo	CHH	-0.0422
Gm13	38375473	38376455	Gmdrm	hypo	CHH	-0.0221
Gm13	38385098	38386092	Gmdrm	hypo	CHH	-0.0957
Gm13	38394921	38395920	Gmdrm	hypo	CHH	-0.0263
Gm13	38395925	38396304	Gmdrm	hypo	CHH	-0.0272
Gm13	38413016	38414016	Gmdrm	hypo	CHH	-0.0446
Gm13	38414018	38415017	Gmdrm	hypo	CHH	-0.1047
Gm13	38455560	38456557	Gmdrm	hypo	CHH	-0.0875
Gm13	38456569	38457560	Gmdrm	hypo	CHH	-0.0352
Gm13	38462154	38463147	Gmdrm	hypo	CHH	-0.0151
Gm13	38466489	38467474	Gmdrm	hypo	CHH	-0.02
Gm13	38470348	38470926	Gmdrm	hypo	CHH	-0.0176
Gm13	38477252	38478224	Gmdrm	hypo	CHH	-0.0201
Gm13	38480291	38481291	Gmdrm	hypo	CHH	-0.061
Gm13	38481294	38482285	Gmdrm	hypo	CHH	-0.0795
Gm13	38485029	38485744	Gmdrm	hypo	CHH	-0.0255
Gm13	38487968	38488967	Gmdrm	hypo	CHH	-0.0345
Gm13	38491001	38491998	Gmdrm	hypo	CHH	-0.0332
Gm13	38492013	38492422	Gmdrm	hypo	CHH	-0.3453
Gm13	38498070	38499035	Gmdrm	hypo	CHH	-0.0698
Gm13	38512651	38513630	Gmdrm	hypo	CHH	-0.1178
Gm13	38517296	38518293	Gmdrm	hypo	CHH	-0.1154
Gm13	38518299	38519287	Gmdrm	hypo	CHH	-0.1484
Gm13	38528384	38529368	Gmdrm	hypo	CHH	-0.2664
Gm13	38529407	38530213	Gmdrm	hypo	CHH	-0.0234
Gm13	38536779	38537724	Gmdrm	hypo	CHH	-0.0415
Gm13	38543492	38544489	Gmdrm	hypo	CHH	-0.0189
Gm13	38545504	38546003	Gmdrm	hypo	CHH	-0.0706
Gm13	38547485	38548466	Gmdrm	hypo	CHH	-0.0926
Gm13	38557719	38558719	Gmdrm	hypo	CHH	-0.0171
Gm13	38559379	38560360	Gmdrm	hypo	CHH	-0.0216
Gm13	38594805	38595801	Gmdrm	hypo	CHH	-0.0581
Gm13	38601902	38602899	Gmdrm	hypo	CHH	-0.099
Gm13	38602903	38603902	Gmdrm	hypo	CHH	-0.0755
Gm13	38603926	38604920	Gmdrm	hypo	CHH	-0.0902
Gm13	38605928	38606417	Gmdrm	hypo	CHH	-0.0266

Gm13	38618279	38618544	Gmdrm	hypo	CHH	-0.0263
Gm13	38625702	38626354	Gmdrm	hypo	CHH	-0.0218
Gm13	38629954	38630937	Gmdrm	hypo	CHH	-0.0402
Gm13	38633066	38634061	Gmdrm	hypo	CHH	-0.0186
Gm13	38643863	38644862	Gmdrm	hypo	CHH	-0.1601
Gm13	38646561	38647179	Gmdrm	hypo	CHH	-0.0279
Gm13	38654238	38655232	Gmdrm	hypo	CHH	-0.0545
Gm13	38657248	38658247	Gmdrm	hypo	CHH	-0.0586
Gm13	38660282	38661265	Gmdrm	hypo	CHH	-0.0213
Gm13	38667406	38667955	Gmdrm	hypo	CHH	-0.0206
Gm13	38672130	38673119	Gmdrm	hypo	CHH	-0.0225
Gm13	38677104	38678103	Gmdrm	hypo	CHH	-0.0212
Gm13	38684156	38685136	Gmdrm	hypo	CHH	-0.0448
Gm13	38685157	38686156	Gmdrm	hypo	CHH	-0.0539
Gm13	38686169	38687169	Gmdrm	hypo	CHH	-0.0901
Gm13	38687219	38688218	Gmdrm	hypo	CHH	-0.0952
Gm13	38693235	38694112	Gmdrm	hypo	CHH	-0.0405
Gm13	38697520	38698517	Gmdrm	hypo	CHH	-0.1295
Gm13	38698532	38699527	Gmdrm	hypo	CHH	-0.0404
Gm13	38699547	38699901	Gmdrm	hypo	CHH	-0.0147
Gm13	38700010	38700971	Gmdrm	hypo	CHH	-0.1257
Gm13	38701453	38702449	Gmdrm	hypo	CHH	-0.0132
Gm13	38717856	38718096	Gmdrm	hypo	CHH	-0.0686
Gm13	38718206	38719200	Gmdrm	hypo	CHH	-0.0198
Gm13	38719222	38720211	Gmdrm	hypo	CHH	-0.0455
Gm13	38728393	38729388	Gmdrm	hypo	CHH	-0.1258
Gm13	38736625	38737611	Gmdrm	hypo	CHH	-0.0307
Gm13	38738747	38739732	Gmdrm	hypo	CHH	-0.0169
Gm13	38740223	38741222	Gmdrm	hypo	CHH	-0.0886
Gm13	38741228	38741936	Gmdrm	hypo	CHH	-0.0983
Gm13	38742597	38743591	Gmdrm	hypo	CHH	-0.0802
Gm13	38743605	38744570	Gmdrm	hypo	CHH	-0.0291
Gm13	38746641	38747639	Gmdrm	hypo	CHH	-0.0108
Gm13	38753413	38754397	Gmdrm	hypo	CHH	-0.3309
Gm13	38767313	38768297	Gmdrm	hypo	CHH	-0.0324
Gm13	38776833	38777767	Gmdrm	hypo	CHH	-0.0193
Gm13	38782513	38783162	Gmdrm	hypo	CHH	-0.0271
Gm13	38784467	38785459	Gmdrm	hypo	CHH	-0.0294
Gm13	38788506	38789065	Gmdrm	hypo	CHH	-0.0448
Gm13	38795280	38796276	Gmdrm	hypo	CHH	-0.0664
Gm13	38801492	38801998	Gmdrm	hypo	CHH	-0.0707
Gm13	38802949	38803930	Gmdrm	hypo	CHH	-0.0733
Gm13	38803982	38804046	Gmdrm	hypo	CHH	-0.0291
Gm13	38810370	38811369	Gmdrm	hypo	CHH	-0.0155
Gm13	38818981	38819517	Gmdrm	hypo	CHH	-0.0372
Gm13	38843533	38844501	Gmdrm	hypo	CHH	-0.015

Gm13	38853287	38853700	Gmdrm	hypo	CHH	-0.0355
Gm13	38854101	38855095	Gmdrm	hypo	CHH	-0.0317
Gm13	38863180	38864176	Gmdrm	hypo	CHH	-0.027
Gm13	38864198	38865198	Gmdrm	hypo	CHH	-0.0213
Gm13	38865217	38866193	Gmdrm	hypo	CHH	-0.0236
Gm13	38873889	38874865	Gmdrm	hypo	CHH	-0.0332
Gm13	38876893	38877719	Gmdrm	hypo	CHH	-0.0815
Gm13	38884464	38885442	Gmdrm	hypo	CHH	-0.0158
Gm13	38894655	38894744	Gmdrm	hypo	CHH	-0.047
Gm13	38895428	38896417	Gmdrm	hypo	CHH	-0.0118
Gm13	38901608	38902587	Gmdrm	hypo	CHH	-0.0629
Gm13	38903893	38904710	Gmdrm	hypo	CHH	-0.0149
Gm13	38904817	38905803	Gmdrm	hypo	CHH	-0.0169
Gm13	38908298	38909295	Gmdrm	hypo	CHH	-0.0809
Gm13	38914697	38915670	Gmdrm	hypo	CHH	-0.2833
Gm13	38927613	38928595	Gmdrm	hypo	CHH	-0.0925
Gm13	38928640	38929606	Gmdrm	hypo	CHH	-0.0629
Gm13	38930701	38931046	Gmdrm	hypo	CHH	-0.0525
Gm13	38931247	38932215	Gmdrm	hypo	CHH	-0.0166
Gm13	38933957	38934928	Gmdrm	hypo	CHH	-0.0132
Gm13	38937970	38938965	Gmdrm	hypo	CHH	-0.0424
Gm13	38938975	38939640	Gmdrm	hypo	CHH	-0.1102
Gm13	38950884	38951883	Gmdrm	hypo	CHH	-0.097
Gm13	38966646	38967638	Gmdrm	hypo	CHH	-0.0237
Gm13	38990825	38991823	Gmdrm	hypo	CHH	-0.2933
Gm13	38996165	38996534	Gmdrm	hypo	CHH	-0.0607
Gm13	39001142	39002138	Gmdrm	hypo	CHH	-0.0434
Gm13	39012105	39013101	Gmdrm	hypo	CHH	-0.1599
Gm13	39013113	39014110	Gmdrm	hypo	CHH	-0.0658
Gm13	39032581	39033579	Gmdrm	hypo	CHH	-0.0156
Gm13	39042010	39042344	Gmdrm	hypo	CHH	-0.0575
Gm13	39065681	39066679	Gmdrm	hypo	CHH	-0.0667
Gm13	39066682	39067682	Gmdrm	hypo	CHH	-0.1858
Gm13	39069736	39070730	Gmdrm	hypo	CHH	-0.016
Gm13	39078423	39078894	Gmdrm	hypo	CHH	-0.02
Gm13	39083392	39084382	Gmdrm	hypo	CHH	-0.0173
Gm13	39085831	39086016	Gmdrm	hypo	CHH	-0.0371
Gm13	39090467	39090959	Gmdrm	hypo	CHH	-0.0335
Gm13	39101520	39102519	Gmdrm	hypo	CHH	-0.0174
Gm13	39106440	39107382	Gmdrm	hypo	CHH	-0.1646
Gm13	39114104	39115097	Gmdrm	hypo	CHH	-0.0301
Gm13	39118030	39118450	Gmdrm	hypo	CHH	-0.0502
Gm13	39130361	39131361	Gmdrm	hypo	CHH	-0.0174
Gm13	39134647	39135646	Gmdrm	hypo	CHH	-0.0442
Gm13	39135654	39136620	Gmdrm	hypo	CHH	-0.0297
Gm13	39137717	39138506	Gmdrm	hypo	CHH	-0.1646

Gm13	39142369	39143331	Gmdrm	hypo	CHH	-0.0162
Gm13	39149907	39150907	Gmdrm	hypo	CHH	-0.1289
Gm13	39150908	39151874	Gmdrm	hypo	CHH	-0.2034
Gm13	39161266	39162184	Gmdrm	hypo	CHH	-0.036
Gm13	39163981	39164953	Gmdrm	hypo	CHH	-0.0191
Gm13	39165002	39165997	Gmdrm	hypo	CHH	-0.0468
Gm13	39166003	39166978	Gmdrm	hypo	CHH	-0.1153
Gm13	39169825	39170068	Gmdrm	hypo	CHH	-0.0464
Gm13	39172663	39173660	Gmdrm	hypo	CHH	-0.1852
Gm13	39173668	39174668	Gmdrm	hypo	CHH	-0.0555
Gm13	39174674	39175643	Gmdrm	hypo	CHH	-0.0628
Gm13	39175689	39176653	Gmdrm	hypo	CHH	-0.2293
Gm13	39183274	39184272	Gmdrm	hypo	CHH	-0.1338
Gm13	39184275	39184654	Gmdrm	hypo	CHH	-0.3341
Gm13	39185766	39186260	Gmdrm	hypo	CHH	-0.0264
Gm13	39200127	39201122	Gmdrm	hypo	CHH	-0.1355
Gm13	39201129	39202108	Gmdrm	hypo	CHH	-0.0562
Gm13	39210570	39211561	Gmdrm	hypo	CHH	-0.0157
Gm13	39216313	39217312	Gmdrm	hypo	CHH	-0.0221
Gm13	39218370	39219369	Gmdrm	hypo	CHH	-0.0905
Gm13	39219378	39220347	Gmdrm	hypo	CHH	-0.0931
Gm13	39240245	39241239	Gmdrm	hypo	CHH	-0.1745
Gm13	39241247	39242238	Gmdrm	hypo	CHH	-0.1119
Gm13	39247193	39248191	Gmdrm	hypo	CHH	-0.0142
Gm13	39273143	39273839	Gmdrm	hypo	CHH	-0.0438
Gm13	39278067	39279065	Gmdrm	hypo	CHH	-0.3214
Gm13	39283813	39284813	Gmdrm	hypo	CHH	-0.0176
Gm13	39284814	39285803	Gmdrm	hypo	CHH	-0.0798
Gm13	39306339	39307336	Gmdrm	hypo	CHH	-0.0385
Gm13	39314637	39315599	Gmdrm	hypo	CHH	-0.2217
Gm13	39315644	39316632	Gmdrm	hypo	CHH	-0.0742
Gm13	39324043	39324956	Gmdrm	hypo	CHH	-0.0316
Gm13	39334833	39335072	Gmdrm	hypo	CHH	-0.0472
Gm13	39339856	39340851	Gmdrm	hypo	CHH	-0.0457
Gm13	39340864	39341307	Gmdrm	hypo	CHH	-0.0893
Gm13	39345494	39346479	Gmdrm	hypo	CHH	-0.0831
Gm13	39346502	39347497	Gmdrm	hypo	CHH	-0.1277
Gm13	39355689	39356689	Gmdrm	hypo	CHH	-0.0191
Gm13	39367566	39368019	Gmdrm	hypo	CHH	-0.0341
Gm13	39369890	39370887	Gmdrm	hypo	CHH	-0.0328
Gm13	39375427	39376408	Gmdrm	hypo	CHH	-0.1438
Gm13	39376432	39377426	Gmdrm	hypo	CHH	-0.0697
Gm13	39382861	39383856	Gmdrm	hypo	CHH	-0.034
Gm13	39383864	39384852	Gmdrm	hypo	CHH	-0.0958
Gm13	39390390	39391386	Gmdrm	hypo	CHH	-0.0561
Gm13	39391391	39391559	Gmdrm	hypo	CHH	-0.0592

Gm13	39391839	39392079	Gmdrm	hypo	CHH	-0.0622
Gm13	39392504	39393107	Gmdrm	hypo	CHH	-0.2375
Gm13	39398689	39399324	Gmdrm	hypo	CHH	-0.3399
Gm13	39400747	39401745	Gmdrm	hypo	CHH	-0.1522
Gm13	39401750	39402594	Gmdrm	hypo	CHH	-0.2928
Gm13	39402696	39403672	Gmdrm	hypo	CHH	-0.0167
Gm13	39403701	39404700	Gmdrm	hypo	CHH	-0.0828
Gm13	39404716	39405716	Gmdrm	hypo	CHH	-0.0788
Gm13	39405719	39406715	Gmdrm	hypo	CHH	-0.1466
Gm13	39412443	39413421	Gmdrm	hypo	CHH	-0.1478
Gm13	39413444	39413763	Gmdrm	hypo	CHH	-0.0888
Gm13	39427675	39428036	Gmdrm	hypo	CHH	-0.0399
Gm13	39430260	39431241	Gmdrm	hypo	CHH	-0.1158
Gm13	39431276	39432275	Gmdrm	hypo	CHH	-0.0667
Gm13	39437263	39438252	Gmdrm	hypo	CHH	-0.0161
Gm13	39442234	39443227	Gmdrm	hypo	CHH	-0.0348
Gm13	39444257	39445228	Gmdrm	hypo	CHH	-0.0145
Gm13	39448227	39449206	Gmdrm	hypo	CHH	-0.0144
Gm13	39453300	39454279	Gmdrm	hypo	CHH	-0.2766
Gm13	39455402	39456402	Gmdrm	hypo	CHH	-0.1089
Gm13	39456409	39457400	Gmdrm	hypo	CHH	-0.0451
Gm13	39473338	39474329	Gmdrm	hypo	CHH	-0.0141
Gm13	39475530	39476506	Gmdrm	hypo	CHH	-0.0142
Gm13	39478072	39479055	Gmdrm	hypo	CHH	-0.0652
Gm13	39481438	39482435	Gmdrm	hypo	CHH	-0.0131
Gm13	39486319	39487298	Gmdrm	hypo	CHH	-0.014
Gm13	39492125	39493086	Gmdrm	hypo	CHH	-0.1731
Gm13	39499660	39500565	Gmdrm	hypo	CHH	-0.221
Gm13	39504445	39504576	Gmdrm	hypo	CHH	-0.0329
Gm13	39508689	39509664	Gmdrm	hypo	CHH	-0.015
Gm13	39514032	39515023	Gmdrm	hypo	CHH	-0.0216
Gm13	39516047	39516644	Gmdrm	hypo	CHH	-0.098
Gm13	39516770	39517751	Gmdrm	hypo	CHH	-0.0586
Gm13	39525530	39526522	Gmdrm	hypo	CHH	-0.1198
Gm13	39529239	39530181	Gmdrm	hypo	CHH	-0.0344
Gm13	39537338	39538317	Gmdrm	hypo	CHH	-0.0215
Gm13	39542560	39543536	Gmdrm	hypo	CHH	-0.0198
Gm13	39544648	39545406	Gmdrm	hypo	CHH	-0.0953
Gm13	39545724	39546716	Gmdrm	hypo	CHH	-0.0868
Gm13	39549383	39549817	Gmdrm	hypo	CHH	-0.0218
Gm13	39560876	39561870	Gmdrm	hypo	CHH	-0.0189
Gm13	39572705	39573701	Gmdrm	hypo	CHH	-0.0311
Gm13	39573716	39574083	Gmdrm	hypo	CHH	-0.0809
Gm13	39574208	39575173	Gmdrm	hypo	CHH	-0.0171
Gm13	39586677	39587661	Gmdrm	hypo	CHH	-0.0148
Gm13	39591024	39592012	Gmdrm	hypo	CHH	-0.1639

Gm13	39598086	39599075	Gmdrm	hypo	CHH	-0.0501
Gm13	39599093	39600082	Gmdrm	hypo	CHH	-0.0666
Gm13	39612323	39613320	Gmdrm	hypo	CHH	-0.0317
Gm13	39623211	39624198	Gmdrm	hypo	CHH	-0.0282
Gm13	39638079	39639079	Gmdrm	hypo	CHH	-0.014
Gm13	39644500	39645447	Gmdrm	hypo	CHH	-0.0158
Gm13	39661060	39662052	Gmdrm	hypo	CHH	-0.0246
Gm13	39662066	39663065	Gmdrm	hypo	CHH	-0.1227
Gm13	39675179	39676122	Gmdrm	hypo	CHH	-0.115
Gm13	39678110	39679092	Gmdrm	hypo	CHH	-0.0274
Gm13	39680135	39681134	Gmdrm	hypo	CHH	-0.0204
Gm13	39693941	39694898	Gmdrm	hypo	CHH	-0.0158
Gm13	39718134	39719079	Gmdrm	hypo	CHH	-0.0178
Gm13	39724228	39724281	Gmdrm	hypo	CHH	-0.058
Gm13	39728163	39729154	Gmdrm	hypo	CHH	-0.0609
Gm13	39735566	39736539	Gmdrm	hypo	CHH	-0.0239
Gm13	39738989	39739978	Gmdrm	hypo	CHH	-0.1316
Gm13	39742773	39743377	Gmdrm	hypo	CHH	-0.1635
Gm13	39755528	39756398	Gmdrm	hypo	CHH	-0.0876
Gm13	39765973	39766965	Gmdrm	hypo	CHH	-0.0238
Gm13	39776865	39777142	Gmdrm	hypo	CHH	-0.0453
Gm13	39784208	39785160	Gmdrm	hypo	CHH	-0.0879
Gm13	39791211	39792200	Gmdrm	hypo	CHH	-0.0199
Gm13	39793221	39794179	Gmdrm	hypo	CHH	-0.0941
Gm13	39808814	39809320	Gmdrm	hypo	CHH	-0.0249
Gm13	39809495	39810493	Gmdrm	hypo	CHH	-0.0398
Gm13	39813778	39814742	Gmdrm	hypo	CHH	-0.0211
Gm13	39814783	39815780	Gmdrm	hypo	CHH	-0.0487
Gm13	39815802	39816796	Gmdrm	hypo	CHH	-0.0767
Gm13	39816805	39817785	Gmdrm	hypo	CHH	-0.038
Gm13	39819124	39820088	Gmdrm	hypo	CHH	-0.0346
Gm13	39832930	39833034	Gmdrm	hypo	CHH	-0.105
Gm13	39834211	39834976	Gmdrm	hypo	CHH	-0.0134
Gm13	39835431	39835961	Gmdrm	hypo	CHH	-0.0871
Gm13	39839089	39840089	Gmdrm	hypo	CHH	-0.0366
Gm13	39847798	39848798	Gmdrm	hypo	CHH	-0.0556
Gm13	39848800	39849771	Gmdrm	hypo	CHH	-0.0791
Gm13	39862426	39863418	Gmdrm	hypo	CHH	-0.129
Gm13	39863429	39864212	Gmdrm	hypo	CHH	-0.127
Gm13	39884871	39885836	Gmdrm	hypo	CHH	-0.0287
Gm13	39915744	39916729	Gmdrm	hypo	CHH	-0.0162
Gm13	39931085	39932068	Gmdrm	hypo	CHH	-0.0587
Gm13	39944644	39945639	Gmdrm	hypo	CHH	-0.0454
Gm13	39945657	39946647	Gmdrm	hypo	CHH	-0.0307
Gm13	39949995	39950988	Gmdrm	hypo	CHH	-0.059
Gm13	39955082	39956074	Gmdrm	hypo	CHH	-0.0213

Gm13	39959663	39960663	Gmdrm	hypo	CHH	-0.0221
Gm13	39960669	39961612	Gmdrm	hypo	CHH	-0.0126
Gm13	39964120	39965109	Gmdrm	hypo	CHH	-0.0629
Gm13	39966252	39967238	Gmdrm	hypo	CHH	-0.0176
Gm13	39971732	39972028	Gmdrm	hypo	CHH	-0.0798
Gm13	39978175	39978858	Gmdrm	hypo	CHH	-0.0324
Gm13	39979007	39979607	Gmdrm	hypo	CHH	-0.0239
Gm13	39979973	39980943	Gmdrm	hypo	CHH	-0.0242
Gm13	39980975	39981975	Gmdrm	hypo	CHH	-0.0469
Gm13	39982992	39983960	Gmdrm	hypo	CHH	-0.0516
Gm13	39988900	39989845	Gmdrm	hypo	CHH	-0.023
Gm13	40000722	40001004	Gmdrm	hypo	CHH	-0.08
Gm13	40004749	40005282	Gmdrm	hypo	CHH	-0.0274
Gm13	40021793	40022790	Gmdrm	hypo	CHH	-0.0331
Gm13	40022800	40023791	Gmdrm	hypo	CHH	-0.0205
Gm13	40025862	40026857	Gmdrm	hypo	CHH	-0.0133
Gm13	40029900	40030898	Gmdrm	hypo	CHH	-0.1226
Gm13	40037426	40038408	Gmdrm	hypo	CHH	-0.0116
Gm13	40055647	40056614	Gmdrm	hypo	CHH	-0.0355
Gm13	40060968	40061959	Gmdrm	hypo	CHH	-0.053
Gm13	40084946	40085329	Gmdrm	hypo	CHH	-0.0368
Gm13	40089906	40090858	Gmdrm	hypo	CHH	-0.025
Gm13	40095178	40096174	Gmdrm	hypo	CHH	-0.0722
Gm13	40104935	40105928	Gmdrm	hypo	CHH	-0.0201
Gm13	40107400	40108398	Gmdrm	hypo	CHH	-0.0798
Gm13	40108406	40109387	Gmdrm	hypo	CHH	-0.0287
Gm13	40111440	40112354	Gmdrm	hypo	CHH	-0.0921
Gm13	40112466	40113466	Gmdrm	hypo	CHH	-0.1061
Gm13	40113472	40114471	Gmdrm	hypo	CHH	-0.1215
Gm13	40119499	40120482	Gmdrm	hypo	CHH	-0.0398
Gm13	40127022	40128017	Gmdrm	hypo	CHH	-0.0209
Gm13	40134745	40135726	Gmdrm	hypo	CHH	-0.0266
Gm13	40142917	40143870	Gmdrm	hypo	CHH	-0.1381
Gm13	40146934	40147933	Gmdrm	hypo	CHH	-0.0727
Gm13	40147937	40148912	Gmdrm	hypo	CHH	-0.0864
Gm13	40150608	40151607	Gmdrm	hypo	CHH	-0.0291
Gm13	40151616	40152605	Gmdrm	hypo	CHH	-0.0536
Gm13	40180694	40181690	Gmdrm	hypo	CHH	-0.1936
Gm13	40181697	40182670	Gmdrm	hypo	CHH	-0.2486
Gm13	40188654	40189643	Gmdrm	hypo	CHH	-0.1779
Gm13	40189718	40190718	Gmdrm	hypo	CHH	-0.0213
Gm13	40191174	40191316	Gmdrm	hypo	CHH	-0.137
Gm13	40193502	40194477	Gmdrm	hypo	CHH	-0.0284
Gm13	40194505	40195505	Gmdrm	hypo	CHH	-0.1224
Gm13	40204214	40205193	Gmdrm	hypo	CHH	-0.0253
Gm13	40205617	40206617	Gmdrm	hypo	CHH	-0.039

Gm13	40206639	40207274	Gmdrm	hypo	CHH	-0.0867
Gm13	40207383	40208373	Gmdrm	hypo	CHH	-0.2444
Gm13	40211176	40211276	Gmdrm	hypo	CHH	-0.1507
Gm13	40211398	40212397	Gmdrm	hypo	CHH	-0.0339
Gm13	40214462	40215452	Gmdrm	hypo	CHH	-0.32
Gm13	40215464	40215770	Gmdrm	hypo	CHH	-0.0618
Gm13	40220971	40221971	Gmdrm	hypo	CHH	-0.0321
Gm13	40227859	40228846	Gmdrm	hypo	CHH	-0.1178
Gm13	40236664	40236944	Gmdrm	hypo	CHH	-0.0282
Gm13	40237047	40237431	Gmdrm	hypo	CHH	-0.0287
Gm13	40241258	40242138	Gmdrm	hypo	CHH	-0.0594
Gm13	40242549	40243541	Gmdrm	hypo	CHH	-0.0182
Gm13	40243550	40244548	Gmdrm	hypo	CHH	-0.0261
Gm13	40249255	40250250	Gmdrm	hypo	CHH	-0.0238
Gm13	40250257	40251008	Gmdrm	hypo	CHH	-0.032
Gm13	40254233	40254776	Gmdrm	hypo	CHH	-0.0417
Gm13	40267948	40268927	Gmdrm	hypo	CHH	-0.0688
Gm13	40272447	40272950	Gmdrm	hypo	CHH	-0.0142
Gm13	40287915	40288914	Gmdrm	hypo	CHH	-0.0119
Gm13	40288917	40289915	Gmdrm	hypo	CHH	-0.0547
Gm13	40299600	40300549	Gmdrm	hypo	CHH	-0.0285
Gm13	40302632	40303616	Gmdrm	hypo	CHH	-0.0165
Gm13	40303641	40303808	Gmdrm	hypo	CHH	-0.0182
Gm13	40306751	40307744	Gmdrm	hypo	CHH	-0.1802
Gm13	40312253	40313239	Gmdrm	hypo	CHH	-0.0119
Gm13	40313800	40314775	Gmdrm	hypo	CHH	-0.0159
Gm13	40315818	40316817	Gmdrm	hypo	CHH	-0.3111
Gm13	40317534	40318356	Gmdrm	hypo	CHH	-0.2995
Gm13	40328142	40329142	Gmdrm	hypo	CHH	-0.1009
Gm13	40339322	40340322	Gmdrm	hypo	CHH	-0.0562
Gm13	40341349	40342335	Gmdrm	hypo	CHH	-0.1142
Gm13	40342350	40343345	Gmdrm	hypo	CHH	-0.092
Gm13	40344388	40345379	Gmdrm	hypo	CHH	-0.0112
Gm13	40350164	40350374	Gmdrm	hypo	CHH	-0.034
Gm13	40356817	40357797	Gmdrm	hypo	CHH	-0.126
Gm13	40362010	40362462	Gmdrm	hypo	CHH	-0.0439
Gm13	40389116	40390112	Gmdrm	hypo	CHH	-0.0188
Gm13	40393655	40394629	Gmdrm	hypo	CHH	-0.039
Gm13	40396692	40397687	Gmdrm	hypo	CHH	-0.02
Gm13	40397702	40398690	Gmdrm	hypo	CHH	-0.0854
Gm13	40409305	40410302	Gmdrm	hypo	CHH	-0.0149
Gm13	40414343	40415322	Gmdrm	hypo	CHH	-0.0195
Gm13	40421551	40422474	Gmdrm	hypo	CHH	-0.0179
Gm13	40432167	40432921	Gmdrm	hypo	CHH	-0.2977
Gm13	40434937	40435280	Gmdrm	hypo	CHH	-0.0489
Gm13	40436398	40437398	Gmdrm	hypo	CHH	-0.1317

Gm13	40437401	40438022	Gmdrm	hypo	CHH	-0.0166
Gm13	40442147	40443141	Gmdrm	hypo	CHH	-0.0232
Gm13	40443170	40444155	Gmdrm	hypo	CHH	-0.1227
Gm13	40449032	40450022	Gmdrm	hypo	CHH	-0.0249
Gm13	40460869	40461855	Gmdrm	hypo	CHH	-0.0215
Gm13	40461874	40462871	Gmdrm	hypo	CHH	-0.0224
Gm13	40479374	40480371	Gmdrm	hypo	CHH	-0.1328
Gm13	40480375	40481361	Gmdrm	hypo	CHH	-0.1662
Gm13	40488053	40489014	Gmdrm	hypo	CHH	-0.0259
Gm13	40495196	40496175	Gmdrm	hypo	CHH	-0.1034
Gm13	40496213	40496711	Gmdrm	hypo	CHH	-0.1292
Gm13	40496966	40497964	Gmdrm	hypo	CHH	-0.1421
Gm13	40497967	40498954	Gmdrm	hypo	CHH	-0.0614
Gm13	40500014	40500997	Gmdrm	hypo	CHH	-0.01
Gm13	40501023	40501869	Gmdrm	hypo	CHH	-0.0158
Gm13	40515254	40516251	Gmdrm	hypo	CHH	-0.017
Gm13	40519264	40520239	Gmdrm	hypo	CHH	-0.018
Gm13	40522854	40523854	Gmdrm	hypo	CHH	-0.1804
Gm13	40523862	40524858	Gmdrm	hypo	CHH	-0.1312
Gm13	40525164	40526155	Gmdrm	hypo	CHH	-0.0908
Gm13	40527189	40528188	Gmdrm	hypo	CHH	-0.098
Gm13	40528776	40529771	Gmdrm	hypo	CHH	-0.0549
Gm13	40549889	40550886	Gmdrm	hypo	CHH	-0.0662
Gm13	40554100	40555092	Gmdrm	hypo	CHH	-0.0266
Gm13	40555563	40556557	Gmdrm	hypo	CHH	-0.016
Gm13	40562760	40562923	Gmdrm	hypo	CHH	-0.1217
Gm13	40563026	40564025	Gmdrm	hypo	CHH	-0.0561
Gm13	40564031	40565015	Gmdrm	hypo	CHH	-0.2289
Gm13	40565034	40566017	Gmdrm	hypo	CHH	-0.0749
Gm13	40568237	40568790	Gmdrm	hypo	CHH	-0.0169
Gm13	40568891	40569879	Gmdrm	hypo	CHH	-0.0489
Gm13	40569898	40570898	Gmdrm	hypo	CHH	-0.0864
Gm13	40570902	40571878	Gmdrm	hypo	CHH	-0.0719
Gm13	40572326	40572576	Gmdrm	hypo	CHH	-0.0228
Gm13	40578634	40579629	Gmdrm	hypo	CHH	-0.0135
Gm13	40598780	40599488	Gmdrm	hypo	CHH	-0.0305
Gm13	40611876	40612850	Gmdrm	hypo	CHH	-0.0208
Gm13	40613919	40614904	Gmdrm	hypo	CHH	-0.0308
Gm13	40625607	40626063	Gmdrm	hypo	CHH	-0.045
Gm13	40633449	40634445	Gmdrm	hypo	CHH	-0.0272
Gm13	40637392	40638386	Gmdrm	hypo	CHH	-0.0142
Gm13	40646225	40647213	Gmdrm	hypo	CHH	-0.071
Gm13	40647238	40647914	Gmdrm	hypo	CHH	-0.0184
Gm13	40654583	40655583	Gmdrm	hypo	CHH	-0.0208
Gm13	40655585	40656558	Gmdrm	hypo	CHH	-0.0202
Gm13	40661228	40662213	Gmdrm	hypo	CHH	-0.0835

Gm13	40668381	40669378	Gmdrm	hypo	CHH	-0.047
Gm13	40670705	40671440	Gmdrm	hypo	CHH	-0.0423
Gm13	40678712	40679712	Gmdrm	hypo	CHH	-0.1061
Gm13	40679717	40680684	Gmdrm	hypo	CHH	-0.0899
Gm13	40685109	40686085	Gmdrm	hypo	CHH	-0.0361
Gm13	40690601	40691601	Gmdrm	hypo	CHH	-0.2547
Gm13	40694493	40695489	Gmdrm	hypo	CHH	-0.1342
Gm13	40698770	40699151	Gmdrm	hypo	CHH	-0.0269
Gm13	40703297	40704282	Gmdrm	hypo	CHH	-0.0468
Gm13	40705306	40706265	Gmdrm	hypo	CHH	-0.0185
Gm13	40722711	40723674	Gmdrm	hypo	CHH	-0.0142
Gm13	40728062	40728771	Gmdrm	hypo	CHH	-0.0226
Gm13	40730096	40730699	Gmdrm	hypo	CHH	-0.023
Gm13	40734406	40735401	Gmdrm	hypo	CHH	-0.0594
Gm13	40735414	40736393	Gmdrm	hypo	CHH	-0.1143
Gm13	40738451	40739400	Gmdrm	hypo	CHH	-0.0114
Gm13	40742596	40743592	Gmdrm	hypo	CHH	-0.0225
Gm13	40743622	40744260	Gmdrm	hypo	CHH	-0.0191
Gm13	40747083	40748059	Gmdrm	hypo	CHH	-0.0187
Gm13	40750170	40751167	Gmdrm	hypo	CHH	-0.0145
Gm13	40759811	40760455	Gmdrm	hypo	CHH	-0.1202
Gm13	40762321	40762480	Gmdrm	hypo	CHH	-0.0293
Gm13	40765183	40765681	Gmdrm	hypo	CHH	-0.1532
Gm13	40766732	40767713	Gmdrm	hypo	CHH	-0.1318
Gm13	40780316	40781316	Gmdrm	hypo	CHH	-0.059
Gm13	40781323	40782301	Gmdrm	hypo	CHH	-0.0608
Gm13	40782332	40783329	Gmdrm	hypo	CHH	-0.1055
Gm13	40789750	40790737	Gmdrm	hypo	CHH	-0.0152
Gm13	40795217	40796216	Gmdrm	hypo	CHH	-0.0377
Gm13	40796218	40797214	Gmdrm	hypo	CHH	-0.1185
Gm13	40797224	40798206	Gmdrm	hypo	CHH	-0.0508
Gm13	40800389	40801373	Gmdrm	hypo	CHH	-0.0186
Gm13	40801394	40802296	Gmdrm	hypo	CHH	-0.0223
Gm13	40804420	40805410	Gmdrm	hypo	CHH	-0.0837
Gm13	40820046	40821042	Gmdrm	hypo	CHH	-0.0264
Gm13	40821048	40822040	Gmdrm	hypo	CHH	-0.1138
Gm13	40844027	40845005	Gmdrm	hypo	CHH	-0.1462
Gm13	40855188	40856184	Gmdrm	hypo	CHH	-0.0351
Gm13	40856189	40856885	Gmdrm	hypo	CHH	-0.0533
Gm13	40857027	40858027	Gmdrm	hypo	CHH	-0.077
Gm13	40858029	40859027	Gmdrm	hypo	CHH	-0.174
Gm13	40859031	40860002	Gmdrm	hypo	CHH	-0.0755
Gm13	40865173	40866172	Gmdrm	hypo	CHH	-0.0261
Gm13	40872916	40873912	Gmdrm	hypo	CHH	-0.2655
Gm13	40873924	40874743	Gmdrm	hypo	CHH	-0.2964
Gm13	40892720	40893684	Gmdrm	hypo	CHH	-0.1315

Gm13	40897030	40898010 Gmdrm	hypo	CHH	-0.0339
Gm13	40899110	40900108 Gmdrm	hypo	CHH	-0.0128
Gm13	40906404	40907393 Gmdrm	hypo	CHH	-0.1142
Gm13	40907408	40908396 Gmdrm	hypo	CHH	-0.0783
Gm13	40911558	40912207 Gmdrm	hypo	CHH	-0.0319
Gm13	40957400	40958334 Gmdrm	hypo	CHH	-0.0312
Gm13	40960608	40961605 Gmdrm	hypo	CHH	-0.0408
Gm13	40961620	40961889 Gmdrm	hypo	CHH	-0.1468
Gm13	40962019	40962967 Gmdrm	hypo	CHH	-0.0135
Gm13	40968636	40969636 Gmdrm	hypo	CHH	-0.1555
Gm13	40970650	40971646 Gmdrm	hypo	CHH	-0.0362
Gm13	40996175	40997166 Gmdrm	hypo	CHH	-0.364
Gm13	41000912	41001894 Gmdrm	hypo	CHH	-0.0216
Gm13	41001917	41002914 Gmdrm	hypo	CHH	-0.0828
Gm13	41011441	41012435 Gmdrm	hypo	CHH	-0.0181
Gm13	41015750	41016729 Gmdrm	hypo	CHH	-0.0171
Gm13	41033936	41034926 Gmdrm	hypo	CHH	-0.1075
Gm13	41034938	41035353 Gmdrm	hypo	CHH	-0.0184
Gm13	41039884	41040882 Gmdrm	hypo	CHH	-0.0754
Gm13	41040889	41041884 Gmdrm	hypo	CHH	-0.0316
Gm13	41046859	41047858 Gmdrm	hypo	CHH	-0.0968
Gm13	41047866	41048858 Gmdrm	hypo	CHH	-0.1125
Gm13	41051328	41052323 Gmdrm	hypo	CHH	-0.0951
Gm13	41054447	41055447 Gmdrm	hypo	CHH	-0.0333
Gm13	41055450	41056450 Gmdrm	hypo	CHH	-0.074
Gm13	41072984	41073983 Gmdrm	hypo	CHH	-0.066
Gm13	41073985	41074977 Gmdrm	hypo	CHH	-0.0562
Gm13	41090761	41091754 Gmdrm	hypo	CHH	-0.0191
Gm13	41095806	41096806 Gmdrm	hypo	CHH	-0.0341
Gm13	41107356	41108307 Gmdrm	hypo	CHH	-0.0206
Gm13	41109377	41110341 Gmdrm	hypo	CHH	-0.1157
Gm13	41112794	41113785 Gmdrm	hypo	CHH	-0.0476
Gm13	41116764	41117429 Gmdrm	hypo	CHH	-0.0923
Gm13	41121091	41122088 Gmdrm	hypo	CHH	-0.0187
Gm13	41122094	41123093 Gmdrm	hypo	CHH	-0.0889
Gm13	41128667	41129634 Gmdrm	hypo	CHH	-0.1518
Gm13	41136230	41136855 Gmdrm	hypo	CHH	-0.021
Gm13	41137967	41138966 Gmdrm	hypo	CHH	-0.037
Gm13	41147641	41148629 Gmdrm	hypo	CHH	-0.1721
Gm13	41148642	41149627 Gmdrm	hypo	CHH	-0.1651
Gm13	41157790	41158790 Gmdrm	hypo	CHH	-0.0327
Gm13	41158796	41159794 Gmdrm	hypo	CHH	-0.1248
Gm13	41176189	41177176 Gmdrm	hypo	CHH	-0.0244
Gm13	41184901	41185767 Gmdrm	hypo	CHH	-0.0272
Gm13	41185895	41186503 Gmdrm	hypo	CHH	-0.0287
Gm13	41189163	41190157 Gmdrm	hypo	CHH	-0.215

Gm13	41217836	41218836	Gmdrm	hypo	CHH	-0.1093
Gm13	41218842	41219828	Gmdrm	hypo	CHH	-0.1211
Gm13	41219953	41220944	Gmdrm	hypo	CHH	-0.0973
Gm13	41227218	41228195	Gmdrm	hypo	CHH	-0.026
Gm13	41236975	41237970	Gmdrm	hypo	CHH	-0.0716
Gm13	41239072	41240033	Gmdrm	hypo	CHH	-0.0382
Gm13	41244859	41245858	Gmdrm	hypo	CHH	-0.0769
Gm13	41245867	41246867	Gmdrm	hypo	CHH	-0.055
Gm13	41246871	41247865	Gmdrm	hypo	CHH	-0.021
Gm13	41262821	41263768	Gmdrm	hypo	CHH	-0.0244
Gm13	41274029	41275029	Gmdrm	hypo	CHH	-0.0676
Gm13	41276045	41277043	Gmdrm	hypo	CHH	-0.0142
Gm13	41285014	41286013	Gmdrm	hypo	CHH	-0.0199
Gm13	41287035	41287995	Gmdrm	hypo	CHH	-0.0566
Gm13	41294386	41295369	Gmdrm	hypo	CHH	-0.0198
Gm13	41297446	41297633	Gmdrm	hypo	CHH	-0.1312
Gm13	41319134	41320134	Gmdrm	hypo	CHH	-0.029
Gm13	41321859	41322859	Gmdrm	hypo	CHH	-0.0684
Gm13	41322860	41323824	Gmdrm	hypo	CHH	-0.0388
Gm13	41342508	41343118	Gmdrm	hypo	CHH	-0.0542
Gm13	41343262	41344262	Gmdrm	hypo	CHH	-0.0391
Gm13	41348115	41348619	Gmdrm	hypo	CHH	-0.0286
Gm13	41366073	41367069	Gmdrm	hypo	CHH	-0.0229
Gm13	41381024	41382006	Gmdrm	hypo	CHH	-0.0193
Gm13	41383992	41384987	Gmdrm	hypo	CHH	-0.0245
Gm13	41385001	41385592	Gmdrm	hypo	CHH	-0.0334
Gm13	41387735	41388733	Gmdrm	hypo	CHH	-0.144
Gm13	41388738	41389725	Gmdrm	hypo	CHH	-0.2877
Gm13	41390782	41391782	Gmdrm	hypo	CHH	-0.0374
Gm13	41391791	41392749	Gmdrm	hypo	CHH	-0.1306
Gm13	41414015	41415014	Gmdrm	hypo	CHH	-0.1182
Gm13	41415016	41415986	Gmdrm	hypo	CHH	-0.0187
Gm13	41416904	41417896	Gmdrm	hypo	CHH	-0.0776
Gm13	41445997	41446818	Gmdrm	hypo	CHH	-0.049
Gm13	41446926	41447190	Gmdrm	hypo	CHH	-0.039
Gm13	41452854	41453846	Gmdrm	hypo	CHH	-0.0135
Gm13	41459268	41460261	Gmdrm	hypo	CHH	-0.127
Gm13	41461316	41461729	Gmdrm	hypo	CHH	-0.0296
Gm13	41469653	41470619	Gmdrm	hypo	CHH	-0.1286
Gm13	41470663	41471656	Gmdrm	hypo	CHH	-0.107
Gm13	41471690	41471900	Gmdrm	hypo	CHH	-0.13
Gm13	41472006	41472973	Gmdrm	hypo	CHH	-0.0222
Gm13	41474612	41475605	Gmdrm	hypo	CHH	-0.2311
Gm13	41495014	41496014	Gmdrm	hypo	CHH	-0.0134
Gm13	41501864	41502862	Gmdrm	hypo	CHH	-0.0351
Gm13	41502878	41503244	Gmdrm	hypo	CHH	-0.3448

Gm13	41504813	41505813	Gmdrm	hypo	CHH	-0.1624
Gm13	41505816	41506751	Gmdrm	hypo	CHH	-0.0853
Gm13	41506818	41506859	Gmdrm	hypo	CHH	-0.064
Gm13	41506991	41507972	Gmdrm	hypo	CHH	-0.0709
Gm13	41517870	41518403	Gmdrm	hypo	CHH	-0.0215
Gm13	41521952	41522935	Gmdrm	hypo	CHH	-0.0344
Gm13	41525827	41526801	Gmdrm	hypo	CHH	-0.0171
Gm13	41526895	41527886	Gmdrm	hypo	CHH	-0.0127
Gm13	41529341	41530318	Gmdrm	hypo	CHH	-0.0161
Gm13	41540072	41541072	Gmdrm	hypo	CHH	-0.093
Gm13	41541078	41542020	Gmdrm	hypo	CHH	-0.2949
Gm13	41543147	41544120	Gmdrm	hypo	CHH	-0.0412
Gm13	41545743	41546722	Gmdrm	hypo	CHH	-0.0192
Gm13	41554375	41555375	Gmdrm	hypo	CHH	-0.0854
Gm13	41555378	41556356	Gmdrm	hypo	CHH	-0.18
Gm13	41561267	41562261	Gmdrm	hypo	CHH	-0.0181
Gm13	41577735	41578400	Gmdrm	hypo	CHH	-0.0325
Gm13	41578554	41579548	Gmdrm	hypo	CHH	-0.0191
Gm13	41580767	41581761	Gmdrm	hypo	CHH	-0.0207
Gm13	41586039	41587027	Gmdrm	hypo	CHH	-0.0364
Gm13	41588552	41589530	Gmdrm	hypo	CHH	-0.0142
Gm13	41605982	41606956	Gmdrm	hypo	CHH	-0.0214
Gm13	41608094	41609027	Gmdrm	hypo	CHH	-0.0295
Gm13	41628042	41629037	Gmdrm	hypo	CHH	-0.1818
Gm13	41629071	41630061	Gmdrm	hypo	CHH	-0.0207
Gm13	41633635	41634472	Gmdrm	hypo	CHH	-0.019
Gm13	41641235	41642231	Gmdrm	hypo	CHH	-0.1529
Gm13	41647783	41648775	Gmdrm	hypo	CHH	-0.032
Gm13	41654936	41655475	Gmdrm	hypo	CHH	-0.4915
Gm13	41656441	41657211	Gmdrm	hypo	CHH	-0.0236
Gm13	41657339	41657843	Gmdrm	hypo	CHH	-0.2056
Gm13	41679191	41680182	Gmdrm	hypo	CHH	-0.132
Gm13	41684685	41685665	Gmdrm	hypo	CHH	-0.0196
Gm13	41697746	41698746	Gmdrm	hypo	CHH	-0.0413
Gm13	41701370	41702031	Gmdrm	hypo	CHH	-0.0241
Gm13	41711218	41712207	Gmdrm	hypo	CHH	-0.0172
Gm13	41712219	41713217	Gmdrm	hypo	CHH	-0.016
Gm13	41717719	41718716	Gmdrm	hypo	CHH	-0.0659
Gm13	41718720	41719718	Gmdrm	hypo	CHH	-0.0683
Gm13	41719752	41720747	Gmdrm	hypo	CHH	-0.1034
Gm13	41726192	41727192	Gmdrm	hypo	CHH	-0.1622
Gm13	41733355	41734355	Gmdrm	hypo	CHH	-0.0575
Gm13	41743691	41744687	Gmdrm	hypo	CHH	-0.0204
Gm13	41771226	41772226	Gmdrm	hypo	CHH	-0.0356
Gm13	41772232	41773200	Gmdrm	hypo	CHH	-0.0145
Gm13	41783534	41784028	Gmdrm	hypo	CHH	-0.03

Gm13	41784162	41785156 Gmdrm	hypo	CHH	-0.029
Gm13	41785163	41786129 Gmdrm	hypo	CHH	-0.0412
Gm13	41787180	41788162 Gmdrm	hypo	CHH	-0.0591
Gm13	41802671	41803670 Gmdrm	hypo	CHH	-0.0276
Gm13	41808186	41809176 Gmdrm	hypo	CHH	-0.1024
Gm13	41809187	41810168 Gmdrm	hypo	CHH	-0.0572
Gm13	41811209	41812205 Gmdrm	hypo	CHH	-0.013
Gm13	41830739	41831730 Gmdrm	hypo	CHH	-0.0166
Gm13	41846912	41847504 Gmdrm	hypo	CHH	-0.0196
Gm13	41852399	41853396 Gmdrm	hypo	CHH	-0.1757
Gm13	41853405	41854401 Gmdrm	hypo	CHH	-0.264
Gm13	41854413	41855320 Gmdrm	hypo	CHH	-0.2254
Gm13	41869927	41870916 Gmdrm	hypo	CHH	-0.0216
Gm13	41873713	41874603 Gmdrm	hypo	CHH	-0.0165
Gm13	41877864	41878513 Gmdrm	hypo	CHH	-0.0166
Gm13	41880642	41881637 Gmdrm	hypo	CHH	-0.0403
Gm13	41894862	41895852 Gmdrm	hypo	CHH	-0.0234
Gm13	41896967	41897910 Gmdrm	hypo	CHH	-0.0337
Gm13	41903370	41904370 Gmdrm	hypo	CHH	-0.0163
Gm13	41904390	41905390 Gmdrm	hypo	CHH	-0.0225
Gm13	41905399	41906394 Gmdrm	hypo	CHH	-0.0269
Gm13	41915762	41916760 Gmdrm	hypo	CHH	-0.041
Gm13	41918778	41919778 Gmdrm	hypo	CHH	-0.0846
Gm13	41919787	41920773 Gmdrm	hypo	CHH	-0.0239
Gm13	41924401	41925397 Gmdrm	hypo	CHH	-0.079
Gm13	41925402	41926099 Gmdrm	hypo	CHH	-0.0567
Gm13	41927211	41928165 Gmdrm	hypo	CHH	-0.0651
Gm13	41932415	41933401 Gmdrm	hypo	CHH	-0.0257
Gm13	41941092	41942090 Gmdrm	hypo	CHH	-0.1967
Gm13	41947763	41948751 Gmdrm	hypo	CHH	-0.0122
Gm13	41954096	41955091 Gmdrm	hypo	CHH	-0.0326
Gm13	41955113	41956099 Gmdrm	hypo	CHH	-0.0564
Gm13	41956118	41957117 Gmdrm	hypo	CHH	-0.0609
Gm13	41957147	41957449 Gmdrm	hypo	CHH	-0.0222
Gm13	41957676	41958668 Gmdrm	hypo	CHH	-0.0211
Gm13	41960675	41961668 Gmdrm	hypo	CHH	-0.0381
Gm13	41967577	41968555 Gmdrm	hypo	CHH	-0.0647
Gm13	41972460	41973458 Gmdrm	hypo	CHH	-0.0923
Gm13	41976580	41977570 Gmdrm	hypo	CHH	-0.1206
Gm13	41977582	41978576 Gmdrm	hypo	CHH	-0.0449
Gm13	41992935	41993919 Gmdrm	hypo	CHH	-0.031
Gm13	41993943	41994083 Gmdrm	hypo	CHH	-0.2593
Gm13	41994304	41995303 Gmdrm	hypo	CHH	-0.2189
Gm13	41996338	41996987 Gmdrm	hypo	CHH	-0.0685
Gm13	42014389	42015388 Gmdrm	hypo	CHH	-0.0298
Gm13	42019641	42020635 Gmdrm	hypo	CHH	-0.0254

Gm13	42020649	42021646 Gmdrm	hypo	CHH	-0.02
Gm13	42023755	42024752 Gmdrm	hypo	CHH	-0.0354
Gm13	42024763	42025732 Gmdrm	hypo	CHH	-0.0695
Gm13	42025765	42026750 Gmdrm	hypo	CHH	-0.0255
Gm13	42027797	42028007 Gmdrm	hypo	CHH	-0.0443
Gm13	42029155	42029754 Gmdrm	hypo	CHH	-0.0167
Gm13	42038494	42039474 Gmdrm	hypo	CHH	-0.0159
Gm13	42055467	42056462 Gmdrm	hypo	CHH	-0.0157
Gm13	42062404	42063393 Gmdrm	hypo	CHH	-0.0352
Gm13	42064438	42065433 Gmdrm	hypo	CHH	-0.1083
Gm13	42070855	42071848 Gmdrm	hypo	CHH	-0.1291
Gm13	42071857	42072648 Gmdrm	hypo	CHH	-0.0877
Gm13	42090289	42091287 Gmdrm	hypo	CHH	-0.0122
Gm13	42092671	42093658 Gmdrm	hypo	CHH	-0.0179
Gm13	42100171	42100565 Gmdrm	hypo	CHH	-0.0362
Gm13	42115183	42115354 Gmdrm	hypo	CHH	-0.1
Gm13	42120533	42121523 Gmdrm	hypo	CHH	-0.0151
Gm13	42123700	42124692 Gmdrm	hypo	CHH	-0.0123
Gm13	42132418	42133413 Gmdrm	hypo	CHH	-0.1459
Gm13	42133428	42134421 Gmdrm	hypo	CHH	-0.0699
Gm13	42139791	42140230 Gmdrm	hypo	CHH	-0.0188
Gm13	42141370	42142370 Gmdrm	hypo	CHH	-0.1118
Gm13	42142373	42143371 Gmdrm	hypo	CHH	-0.217
Gm13	42143375	42144365 Gmdrm	hypo	CHH	-0.0622
Gm13	42144397	42145397 Gmdrm	hypo	CHH	-0.0112
Gm13	42147546	42148546 Gmdrm	hypo	CHH	-0.0497
Gm13	42148547	42149504 Gmdrm	hypo	CHH	-0.0398
Gm13	42149553	42150504 Gmdrm	hypo	CHH	-0.0194
Gm13	42152879	42153867 Gmdrm	hypo	CHH	-0.0285
Gm13	42154732	42155712 Gmdrm	hypo	CHH	-0.0612
Gm13	42155740	42156739 Gmdrm	hypo	CHH	-0.0461
Gm13	42160643	42161599 Gmdrm	hypo	CHH	-0.159
Gm13	42161647	42161847 Gmdrm	hypo	CHH	-0.2286
Gm13	42162121	42163071 Gmdrm	hypo	CHH	-0.2511
Gm13	42164778	42165248 Gmdrm	hypo	CHH	-0.0621
Gm13	42170023	42171002 Gmdrm	hypo	CHH	-0.0201
Gm13	42172115	42173093 Gmdrm	hypo	CHH	-0.0641
Gm13	42177129	42178121 Gmdrm	hypo	CHH	-0.0161
Gm13	42182192	42183180 Gmdrm	hypo	CHH	-0.0158
Gm13	42184214	42185205 Gmdrm	hypo	CHH	-0.0242
Gm13	42186256	42187256 Gmdrm	hypo	CHH	-0.0896
Gm13	42194388	42195381 Gmdrm	hypo	CHH	-0.0828
Gm13	42200071	42201052 Gmdrm	hypo	CHH	-0.2358
Gm13	42215401	42216394 Gmdrm	hypo	CHH	-0.0234
Gm13	42225616	42225784 Gmdrm	hypo	CHH	-0.1123
Gm13	42229844	42230834 Gmdrm	hypo	CHH	-0.013

Gm13	42235960	42236376 Gmdrm	hypo	CHH	-0.0507
Gm13	42240014	42240995 Gmdrm	hypo	CHH	-0.0277
Gm13	42246022	42247020 Gmdrm	hypo	CHH	-0.0915
Gm13	42247023	42247970 Gmdrm	hypo	CHH	-0.0437
Gm13	42250437	42251437 Gmdrm	hypo	CHH	-0.0758
Gm13	42255588	42256581 Gmdrm	hypo	CHH	-0.3353
Gm13	42256612	42257242 Gmdrm	hypo	CHH	-0.0328
Gm13	42259422	42260397 Gmdrm	hypo	CHH	-0.0473
Gm13	42278771	42279769 Gmdrm	hypo	CHH	-0.0891
Gm13	42281782	42282758 Gmdrm	hypo	CHH	-0.2109
Gm13	42286893	42287728 Gmdrm	hypo	CHH	-0.0107
Gm13	42297800	42298604 Gmdrm	hypo	CHH	-0.0188
Gm13	42305875	42306874 Gmdrm	hypo	CHH	-0.1391
Gm13	42306876	42307876 Gmdrm	hypo	CHH	-0.0533
Gm13	42311505	42312464 Gmdrm	hypo	CHH	-0.0898
Gm13	42313519	42314060 Gmdrm	hypo	CHH	-0.0648
Gm13	42317999	42318995 Gmdrm	hypo	CHH	-0.0277
Gm13	42319002	42319999 Gmdrm	hypo	CHH	-0.16
Gm13	42320003	42320946 Gmdrm	hypo	CHH	-0.1668
Gm13	42326987	42327360 Gmdrm	hypo	CHH	-0.0516
Gm13	42350870	42351870 Gmdrm	hypo	CHH	-0.138
Gm13	42356751	42357746 Gmdrm	hypo	CHH	-0.0142
Gm13	42364582	42365577 Gmdrm	hypo	CHH	-0.03
Gm13	42372711	42373613 Gmdrm	hypo	CHH	-0.0466
Gm13	42376330	42377321 Gmdrm	hypo	CHH	-0.0444
Gm13	42382908	42383119 Gmdrm	hypo	CHH	-0.025
Gm13	42383220	42384220 Gmdrm	hypo	CHH	-0.0767
Gm13	42384225	42384487 Gmdrm	hypo	CHH	-0.1866
Gm13	42398285	42399285 Gmdrm	hypo	CHH	-0.0297
Gm13	42399287	42400287 Gmdrm	hypo	CHH	-0.1324
Gm13	42400302	42401298 Gmdrm	hypo	CHH	-0.0893
Gm13	42403328	42404306 Gmdrm	hypo	CHH	-0.0093
Gm13	42404679	42405602 Gmdrm	hypo	CHH	-0.0121
Gm13	42408117	42409117 Gmdrm	hypo	CHH	-0.1706
Gm13	42409122	42410091 Gmdrm	hypo	CHH	-0.2586
Gm13	42410130	42410706 Gmdrm	hypo	CHH	-0.0202
Gm13	42412410	42413405 Gmdrm	hypo	CHH	-0.2307
Gm13	42413411	42414400 Gmdrm	hypo	CHH	-0.1208
Gm13	42430384	42431317 Gmdrm	hypo	CHH	-0.0277
Gm13	42438366	42439364 Gmdrm	hypo	CHH	-0.0808
Gm13	42439378	42440362 Gmdrm	hypo	CHH	-0.2067
Gm13	42454537	42455498 Gmdrm	hypo	CHH	-0.0379
Gm13	42456686	42457679 Gmdrm	hypo	CHH	-0.164
Gm13	42465395	42466382 Gmdrm	hypo	CHH	-0.0127
Gm13	42467432	42468428 Gmdrm	hypo	CHH	-0.0214
Gm13	42472404	42473379 Gmdrm	hypo	CHH	-0.1816

Gm13	42473410	42474406	Gmdrm	hypo	CHH	-0.0237
Gm13	42475472	42475736	Gmdrm	hypo	CHH	-0.0429
Gm13	42486691	42487652	Gmdrm	hypo	CHH	-0.0206
Gm13	42489733	42489951	Gmdrm	hypo	CHH	-0.0258
Gm13	42503684	42503907	Gmdrm	hypo	CHH	-0.0627
Gm13	42508248	42509236	Gmdrm	hypo	CHH	-0.0318
Gm13	42511302	42512288	Gmdrm	hypo	CHH	-0.0177
Gm13	42529777	42530744	Gmdrm	hypo	CHH	-0.0193
Gm13	42533711	42534239	Gmdrm	hypo	CHH	-0.0718
Gm13	42551022	42551959	Gmdrm	hypo	CHH	-0.1104
Gm13	42552202	42553200	Gmdrm	hypo	CHH	-0.0582
Gm13	42555225	42556222	Gmdrm	hypo	CHH	-0.0304
Gm13	42556229	42557146	Gmdrm	hypo	CHH	-0.0118
Gm13	42577010	42577574	Gmdrm	hypo	CHH	-0.0316
Gm13	42593169	42594164	Gmdrm	hypo	CHH	-0.1139
Gm13	42594182	42594778	Gmdrm	hypo	CHH	-0.0756
Gm13	42627772	42628772	Gmdrm	hypo	CHH	-0.0371
Gm13	42630822	42631819	Gmdrm	hypo	CHH	-0.0406
Gm13	42631898	42632893	Gmdrm	hypo	CHH	-0.077
Gm13	42632899	42633837	Gmdrm	hypo	CHH	-0.0869
Gm13	42651607	42652570	Gmdrm	hypo	CHH	-0.044
Gm13	42658766	42659192	Gmdrm	hypo	CHH	-0.0225
Gm13	42665921	42666917	Gmdrm	hypo	CHH	-0.0253
Gm13	42673627	42674569	Gmdrm	hypo	CHH	-0.3421
Gm13	42682201	42683190	Gmdrm	hypo	CHH	-0.0296
Gm13	42688637	42689635	Gmdrm	hypo	CHH	-0.0104
Gm13	42696641	42697454	Gmdrm	hypo	CHH	-0.0186
Gm13	42704203	42705199	Gmdrm	hypo	CHH	-0.0102
Gm13	42721543	42722537	Gmdrm	hypo	CHH	-0.0179
Gm13	42722549	42723534	Gmdrm	hypo	CHH	-0.0115
Gm13	42738304	42739301	Gmdrm	hypo	CHH	-0.0515
Gm13	42739308	42740303	Gmdrm	hypo	CHH	-0.1019
Gm13	42756483	42757476	Gmdrm	hypo	CHH	-0.0167
Gm13	42758927	42759044	Gmdrm	hypo	CHH	-0.0757
Gm13	42765770	42766465	Gmdrm	hypo	CHH	-0.0288
Gm13	42767759	42768749	Gmdrm	hypo	CHH	-0.07
Gm13	42768760	42769231	Gmdrm	hypo	CHH	-0.1567
Gm13	42769360	42769471	Gmdrm	hypo	CHH	-0.1901
Gm13	42769942	42770430	Gmdrm	hypo	CHH	-0.181
Gm13	42770534	42771506	Gmdrm	hypo	CHH	-0.0777
Gm13	42785184	42786173	Gmdrm	hypo	CHH	-0.0121
Gm13	42788822	42789822	Gmdrm	hypo	CHH	-0.0344
Gm13	42789826	42790814	Gmdrm	hypo	CHH	-0.0325
Gm13	42790846	42791844	Gmdrm	hypo	CHH	-0.0179
Gm13	42792881	42793080	Gmdrm	hypo	CHH	-0.0672
Gm13	42794202	42795201	Gmdrm	hypo	CHH	-0.0773

Gm13	42795205	42796193	Gmdrm	hypo	CHH	-0.0358
Gm13	42799237	42800237	Gmdrm	hypo	CHH	-0.058
Gm13	42800241	42801239	Gmdrm	hypo	CHH	-0.0888
Gm13	42802243	42803234	Gmdrm	hypo	CHH	-0.1146
Gm13	42803259	42804240	Gmdrm	hypo	CHH	-0.0761
Gm13	42819465	42819829	Gmdrm	hypo	CHH	-0.284
Gm13	42820237	42821217	Gmdrm	hypo	CHH	-0.0665
Gm13	42826419	42827415	Gmdrm	hypo	CHH	-0.0166
Gm13	42837289	42838284	Gmdrm	hypo	CHH	-0.0442
Gm13	42842919	42843872	Gmdrm	hypo	CHH	-0.0696
Gm13	42843921	42844895	Gmdrm	hypo	CHH	-0.0741
Gm13	42850444	42851424	Gmdrm	hypo	CHH	-0.0306
Gm13	42860250	42861242	Gmdrm	hypo	CHH	-0.0188
Gm13	42863223	42863496	Gmdrm	hypo	CHH	-0.0243
Gm13	42863607	42864209	Gmdrm	hypo	CHH	-0.0194
Gm13	42866238	42867238	Gmdrm	hypo	CHH	-0.0509
Gm13	42867240	42868234	Gmdrm	hypo	CHH	-0.0697
Gm13	42871931	42872931	Gmdrm	hypo	CHH	-0.0162
Gm13	42886621	42887582	Gmdrm	hypo	CHH	-0.0154
Gm13	42895093	42895946	Gmdrm	hypo	CHH	-0.0416
Gm13	42897703	42898674	Gmdrm	hypo	CHH	-0.0316
Gm13	42904896	42905871	Gmdrm	hypo	CHH	-0.1221
Gm13	42909733	42910707	Gmdrm	hypo	CHH	-0.039
Gm13	42916817	42917809	Gmdrm	hypo	CHH	-0.0126
Gm13	42918862	42919692	Gmdrm	hypo	CHH	-0.1501
Gm13	42940656	42941633	Gmdrm	hypo	CHH	-0.0225
Gm13	42948828	42949788	Gmdrm	hypo	CHH	-0.0281
Gm13	42949835	42950831	Gmdrm	hypo	CHH	-0.2675
Gm13	42961859	42962757	Gmdrm	hypo	CHH	-0.0261
Gm13	42966581	42967579	Gmdrm	hypo	CHH	-0.2755
Gm13	42990894	42991893	Gmdrm	hypo	CHH	-0.0267
Gm13	42991895	42992894	Gmdrm	hypo	CHH	-0.0308
Gm13	42994946	42995938	Gmdrm	hypo	CHH	-0.0409
Gm13	42997019	42998016	Gmdrm	hypo	CHH	-0.01
Gm13	43015449	43016440	Gmdrm	hypo	CHH	-0.0171
Gm13	43017479	43018474	Gmdrm	hypo	CHH	-0.0643
Gm13	43020336	43021313	Gmdrm	hypo	CHH	-0.0682
Gm13	43023144	43024141	Gmdrm	hypo	CHH	-0.0144
Gm13	43030588	43031571	Gmdrm	hypo	CHH	-0.0218
Gm13	43031590	43032580	Gmdrm	hypo	CHH	-0.1168
Gm13	43054941	43055917	Gmdrm	hypo	CHH	-0.0227
Gm13	43066585	43067580	Gmdrm	hypo	CHH	-0.0314
Gm13	43068892	43069889	Gmdrm	hypo	CHH	-0.0585
Gm13	43073549	43074527	Gmdrm	hypo	CHH	-0.057
Gm13	43078905	43079897	Gmdrm	hypo	CHH	-0.0309
Gm13	43095214	43096201	Gmdrm	hypo	CHH	-0.0766

Gm13	43098075	43099070 Gmdrm	hypo	CHH	-0.0136
Gm13	43107179	43108148 Gmdrm	hypo	CHH	-0.0321
Gm13	43115242	43116214 Gmdrm	hypo	CHH	-0.0169
Gm13	43116573	43117558 Gmdrm	hypo	CHH	-0.2328
Gm13	43126973	43127921 Gmdrm	hypo	CHH	-0.0152
Gm13	43132792	43133781 Gmdrm	hypo	CHH	-0.1059
Gm13	43133795	43134782 Gmdrm	hypo	CHH	-0.0188
Gm13	43142968	43143240 Gmdrm	hypo	CHH	-0.0492
Gm13	43147057	43148051 Gmdrm	hypo	CHH	-0.0725
Gm13	43152086	43153067 Gmdrm	hypo	CHH	-0.0772
Gm13	43155161	43156155 Gmdrm	hypo	CHH	-0.072
Gm13	43156162	43157160 Gmdrm	hypo	CHH	-0.1264
Gm13	43157164	43158159 Gmdrm	hypo	CHH	-0.1365
Gm13	43159939	43160939 Gmdrm	hypo	CHH	-0.2459
Gm13	43164693	43165663 Gmdrm	hypo	CHH	-0.0368
Gm13	43176239	43177227 Gmdrm	hypo	CHH	-0.0605
Gm13	43177255	43178237 Gmdrm	hypo	CHH	-0.0158
Gm13	43186876	43187872 Gmdrm	hypo	CHH	-0.125
Gm13	43187880	43188834 Gmdrm	hypo	CHH	-0.0165
Gm13	43188918	43188960 Gmdrm	hypo	CHH	-0.046
Gm13	43199618	43199699 Gmdrm	hypo	CHH	-0.0238
Gm13	43200891	43201862 Gmdrm	hypo	CHH	-0.0853
Gm13	43201906	43202900 Gmdrm	hypo	CHH	-0.122
Gm13	43213893	43214834 Gmdrm	hypo	CHH	-0.0415
Gm13	43240634	43241506 Gmdrm	hypo	CHH	-0.025
Gm13	43252492	43253484 Gmdrm	hypo	CHH	-0.0766
Gm13	43253494	43254460 Gmdrm	hypo	CHH	-0.0772
Gm13	43281983	43282980 Gmdrm	hypo	CHH	-0.1104
Gm13	43282984	43283668 Gmdrm	hypo	CHH	-0.1505
Gm13	43286653	43287646 Gmdrm	hypo	CHH	-0.0163
Gm13	43297097	43298093 Gmdrm	hypo	CHH	-0.0141
Gm13	43310717	43311684 Gmdrm	hypo	CHH	-0.0978
Gm13	43313149	43314146 Gmdrm	hypo	CHH	-0.0215
Gm13	43319222	43320214 Gmdrm	hypo	CHH	-0.0156
Gm13	43322881	43323492 Gmdrm	hypo	CHH	-0.108
Gm13	43341478	43342395 Gmdrm	hypo	CHH	-0.0331
Gm13	43342488	43342782 Gmdrm	hypo	CHH	-0.0361
Gm13	43347945	43348919 Gmdrm	hypo	CHH	-0.0158
Gm13	43361729	43362271 Gmdrm	hypo	CHH	-0.0274
Gm13	43384806	43385798 Gmdrm	hypo	CHH	-0.013
Gm13	43396126	43397126 Gmdrm	hypo	CHH	-0.1621
Gm13	43397452	43398447 Gmdrm	hypo	CHH	-0.0994
Gm13	43417992	43418985 Gmdrm	hypo	CHH	-0.042
Gm13	43427376	43428358 Gmdrm	hypo	CHH	-0.0258
Gm13	43428408	43429404 Gmdrm	hypo	CHH	-0.0127
Gm13	43433422	43434406 Gmdrm	hypo	CHH	-0.2648

Gm13	43460439	43461438	Gmdrm	hypo	CHH	-0.0141
Gm13	43461441	43462418	Gmdrm	hypo	CHH	-0.1442
Gm13	43464520	43465518	Gmdrm	hypo	CHH	-0.0732
Gm13	43465521	43466520	Gmdrm	hypo	CHH	-0.0617
Gm13	43467538	43468506	Gmdrm	hypo	CHH	-0.0149
Gm13	43477060	43477157	Gmdrm	hypo	CHH	-0.0687
Gm13	43481435	43482042	Gmdrm	hypo	CHH	-0.0153
Gm13	43495214	43496177	Gmdrm	hypo	CHH	-0.0185
Gm13	43501458	43502453	Gmdrm	hypo	CHH	-0.0174
Gm13	43505645	43506619	Gmdrm	hypo	CHH	-0.1153
Gm13	43510707	43511707	Gmdrm	hypo	CHH	-0.0421
Gm13	43511708	43512580	Gmdrm	hypo	CHH	-0.1167
Gm13	43513776	43514773	Gmdrm	hypo	CHH	-0.0196
Gm13	43514779	43515777	Gmdrm	hypo	CHH	-0.1434
Gm13	43515785	43516783	Gmdrm	hypo	CHH	-0.119
Gm13	43516791	43517578	Gmdrm	hypo	CHH	-0.2351
Gm13	43524775	43525773	Gmdrm	hypo	CHH	-0.11
Gm13	43525776	43526133	Gmdrm	hypo	CHH	-0.0778
Gm13	43531298	43531912	Gmdrm	hypo	CHH	-0.0504
Gm13	43533574	43533672	Gmdrm	hypo	CHH	-0.048
Gm13	43557966	43558290	Gmdrm	hypo	CHH	-0.03
Gm13	43560960	43561330	Gmdrm	hypo	CHH	-0.0236
Gm13	43565719	43566718	Gmdrm	hypo	CHH	-0.0236
Gm13	43566721	43567720	Gmdrm	hypo	CHH	-0.0232
Gm13	43586608	43587608	Gmdrm	hypo	CHH	-0.0248
Gm13	43589811	43590807	Gmdrm	hypo	CHH	-0.0251
Gm13	43593184	43593760	Gmdrm	hypo	CHH	-0.0455
Gm13	43594932	43595926	Gmdrm	hypo	CHH	-0.0531
Gm13	43601989	43602796	Gmdrm	hypo	CHH	-0.0265
Gm13	43613444	43614443	Gmdrm	hypo	CHH	-0.102
Gm13	43614446	43615441	Gmdrm	hypo	CHH	-0.049
Gm13	43616474	43617461	Gmdrm	hypo	CHH	-0.0159
Gm13	43619489	43619618	Gmdrm	hypo	CHH	-0.1638
Gm13	43619871	43620871	Gmdrm	hypo	CHH	-0.1915
Gm13	43642003	43643001	Gmdrm	hypo	CHH	-0.0772
Gm13	43643015	43643368	Gmdrm	hypo	CHH	-0.3108
Gm13	43648491	43649462	Gmdrm	hypo	CHH	-0.2654
Gm13	43650695	43651692	Gmdrm	hypo	CHH	-0.1165
Gm13	43651702	43652684	Gmdrm	hypo	CHH	-0.1279
Gm13	43652726	43653722	Gmdrm	hypo	CHH	-0.2361
Gm13	43653730	43654729	Gmdrm	hypo	CHH	-0.1369
Gm13	43654733	43655732	Gmdrm	hypo	CHH	-0.2787
Gm13	43655734	43656309	Gmdrm	hypo	CHH	-0.0576
Gm13	43658053	43659042	Gmdrm	hypo	CHH	-0.0274
Gm13	43682793	43683786	Gmdrm	hypo	CHH	-0.0876
Gm13	43687261	43687643	Gmdrm	hypo	CHH	-0.018

Gm13	43693126	43694116 Gmdrm	hypo	CHH	-0.0196
Gm13	43699542	43699812 Gmdrm	hypo	CHH	-0.13
Gm13	43720360	43721358 Gmdrm	hypo	CHH	-0.0201
Gm13	43726095	43727067 Gmdrm	hypo	CHH	-0.0896
Gm13	43734199	43735185 Gmdrm	hypo	CHH	-0.0126
Gm13	43740511	43741483 Gmdrm	hypo	CHH	-0.1004
Gm13	43744464	43745325 Gmdrm	hypo	CHH	-0.0207
Gm13	43758183	43759180 Gmdrm	hypo	CHH	-0.0187
Gm13	43762872	43763827 Gmdrm	hypo	CHH	-0.0499
Gm13	43785207	43786186 Gmdrm	hypo	CHH	-0.103
Gm13	43786208	43787206 Gmdrm	hypo	CHH	-0.0598
Gm13	43788872	43789245 Gmdrm	hypo	CHH	-0.0246
Gm13	43807798	43808774 Gmdrm	hypo	CHH	-0.0287
Gm13	43808825	43809802 Gmdrm	hypo	CHH	-0.2488
Gm13	43809831	43810827 Gmdrm	hypo	CHH	-0.0122
Gm13	43817915	43818880 Gmdrm	hypo	CHH	-0.0402
Gm13	43829843	43830825 Gmdrm	hypo	CHH	-0.0356
Gm13	43839243	43839486 Gmdrm	hypo	CHH	-0.05
Gm13	43844358	43844806 Gmdrm	hypo	CHH	-0.0311
Gm13	43851529	43852450 Gmdrm	hypo	CHH	-0.0115
Gm13	43889223	43890208 Gmdrm	hypo	CHH	-0.0202
Gm13	43900855	43901844 Gmdrm	hypo	CHH	-0.2921
Gm13	43901858	43902854 Gmdrm	hypo	CHH	-0.275
Gm13	43904261	43905260 Gmdrm	hypo	CHH	-0.054
Gm13	43905262	43906259 Gmdrm	hypo	CHH	-0.0439
Gm13	43906270	43907070 Gmdrm	hypo	CHH	-0.047
Gm13	43912702	43913687 Gmdrm	hypo	CHH	-0.0181
Gm13	43917051	43917343 Gmdrm	hypo	CHH	-0.0575
Gm13	43917471	43918464 Gmdrm	hypo	CHH	-0.0267
Gm13	43924586	43925576 Gmdrm	hypo	CHH	-0.0274
Gm13	43932549	43933546 Gmdrm	hypo	CHH	-0.2355
Gm13	43933553	43934552 Gmdrm	hypo	CHH	-0.1547
Gm13	43934562	43935552 Gmdrm	hypo	CHH	-0.013
Gm13	43935575	43936575 Gmdrm	hypo	CHH	-0.0185
Gm13	43936576	43937572 Gmdrm	hypo	CHH	-0.1208
Gm13	43937954	43938907 Gmdrm	hypo	CHH	-0.0174
Gm13	43960662	43961619 Gmdrm	hypo	CHH	-0.0802
Gm13	43964127	43964246 Gmdrm	hypo	CHH	-0.1
Gm13	43972471	43973465 Gmdrm	hypo	CHH	-0.0791
Gm13	43973477	43974435 Gmdrm	hypo	CHH	-0.0518
Gm13	43974500	43975142 Gmdrm	hypo	CHH	-0.1021
Gm13	43975367	43976353 Gmdrm	hypo	CHH	-0.072
Gm13	43978412	43979411 Gmdrm	hypo	CHH	-0.0091
Gm13	43982082	43983077 Gmdrm	hypo	CHH	-0.2341
Gm13	43983097	43983121 Gmdrm	hypo	CHH	-0.0778
Gm13	43983227	43984226 Gmdrm	hypo	CHH	-0.0087

Gm13	43984228	43985219	Gmdrm	hypo	CHH	-0.0483
Gm13	43985238	43986231	Gmdrm	hypo	CHH	-0.0496
Gm13	44003641	44004616	Gmdrm	hypo	CHH	-0.0905
Gm13	44004643	44004919	Gmdrm	hypo	CHH	-0.0489
Gm13	44007325	44008324	Gmdrm	hypo	CHH	-0.1708
Gm13	44038228	44039206	Gmdrm	hypo	CHH	-0.025
Gm13	44039634	44040352	Gmdrm	hypo	CHH	-0.0426
Gm13	44044460	44045443	Gmdrm	hypo	CHH	-0.0428
Gm13	44045462	44046442	Gmdrm	hypo	CHH	-0.092
Gm13	44048291	44049251	Gmdrm	hypo	CHH	-0.0103
Gm13	44050003	44050988	Gmdrm	hypo	CHH	-0.0163
Gm13	44054453	44055452	Gmdrm	hypo	CHH	-0.1765
Gm13	44059400	44060375	Gmdrm	hypo	CHH	-0.05
Gm13	44061466	44062459	Gmdrm	hypo	CHH	-0.0135
Gm13	44068616	44069611	Gmdrm	hypo	CHH	-0.0457
Gm13	44069630	44070609	Gmdrm	hypo	CHH	-0.0355
Gm13	44070663	44071586	Gmdrm	hypo	CHH	-0.0146
Gm13	44093254	44094001	Gmdrm	hypo	CHH	-0.087
Gm13	44111394	44112394	Gmdrm	hypo	CHH	-0.1314
Gm13	44112396	44113350	Gmdrm	hypo	CHH	-0.0334
Gm13	44125451	44126451	Gmdrm	hypo	CHH	-0.1607
Gm13	44126463	44127445	Gmdrm	hypo	CHH	-0.2738
Gm13	44132160	44133150	Gmdrm	hypo	CHH	-0.0171
Gm13	44158576	44159569	Gmdrm	hypo	CHH	-0.0158
Gm13	44168903	44169894	Gmdrm	hypo	CHH	-0.0205
Gm13	44182692	44183692	Gmdrm	hypo	CHH	-0.0937
Gm13	44183702	44184685	Gmdrm	hypo	CHH	-0.0499
Gm13	44185727	44186668	Gmdrm	hypo	CHH	-0.0131
Gm13	44192036	44193032	Gmdrm	hypo	CHH	-0.0101
Gm13	44199996	44200996	Gmdrm	hypo	CHH	-0.025
Gm13	44201005	44201996	Gmdrm	hypo	CHH	-0.1016
Gm13	44202007	44202990	Gmdrm	hypo	CHH	-0.0129
Gm13	44211771	44212759	Gmdrm	hypo	CHH	-0.0186
Gm13	44217756	44218756	Gmdrm	hypo	CHH	-0.0306
Gm13	44231943	44232930	Gmdrm	hypo	CHH	-0.0164
Gm13	44232948	44233934	Gmdrm	hypo	CHH	-0.1543
Gm13	44233960	44234950	Gmdrm	hypo	CHH	-0.0454
Gm13	44248558	44249541	Gmdrm	hypo	CHH	-0.0885
Gm13	44264808	44265801	Gmdrm	hypo	CHH	-0.0124
Gm13	44267223	44268193	Gmdrm	hypo	CHH	-0.0232
Gm13	44268270	44269268	Gmdrm	hypo	CHH	-0.0774
Gm13	44269277	44270277	Gmdrm	hypo	CHH	-0.0798
Gm13	44270283	44270560	Gmdrm	hypo	CHH	-0.1524
Gm13	44273560	44274557	Gmdrm	hypo	CHH	-0.0274
Gm13	44276594	44277590	Gmdrm	hypo	CHH	-0.0117
Gm13	44280891	44281654	Gmdrm	hypo	CHH	-0.014

Gm13	44288785	44289779 Gmdrm	hypo	CHH	-0.0397
Gm13	44289786	44290786 Gmdrm	hypo	CHH	-0.0765
Gm13	44290788	44291428 Gmdrm	hypo	CHH	-0.1208
Gm13	44297855	44298842 Gmdrm	hypo	CHH	-0.0158
Gm13	44303462	44304456 Gmdrm	hypo	CHH	-0.0137
Gm13	44304472	44305431 Gmdrm	hypo	CHH	-0.0685
Gm13	44308212	44309196 Gmdrm	hypo	CHH	-0.0248
Gm13	44323231	44324199 Gmdrm	hypo	CHH	-0.0138
Gm13	44324271	44325263 Gmdrm	hypo	CHH	-0.028
Gm13	44355005	44355986 Gmdrm	hypo	CHH	-0.0637
Gm13	44363929	44364919 Gmdrm	hypo	CHH	-0.1538
Gm13	44371032	44372029 Gmdrm	hypo	CHH	-0.0226
Gm13	44375424	44375896 Gmdrm	hypo	CHH	-0.0228
Gm13	44383363	44384348 Gmdrm	hypo	CHH	-0.2006
Gm13	44384383	44385383 Gmdrm	hypo	CHH	-0.0876
Gm13	44385408	44385560 Gmdrm	hypo	CHH	-0.2535
Gm13	44385884	44386858 Gmdrm	hypo	CHH	-0.042
Gm13	44392207	44393206 Gmdrm	hypo	CHH	-0.0397
Gm13	44405548	44406545 Gmdrm	hypo	CHH	-0.0236
Gm13	44417096	44418091 Gmdrm	hypo	CHH	-0.22
Gm13	44418109	44419101 Gmdrm	hypo	CHH	-0.2968
Gm13	44424240	44425240 Gmdrm	hypo	CHH	-0.0163
Gm13	44431127	44431935 Gmdrm	hypo	CHH	-0.0166
Gm13	44433208	44434197 Gmdrm	hypo	CHH	-0.0126
Gm13	44437292	44438287 Gmdrm	hypo	CHH	-0.0293
Gm13	44438296	44438934 Gmdrm	hypo	CHH	-0.1109
Gm13	44439450	44440268 Gmdrm	hypo	CHH	-0.1887
Gm13	44440663	44440738 Gmdrm	hypo	CHH	-0.1483
Gm13	44446481	44447183 Gmdrm	hypo	CHH	-0.024
Gm13	44448218	44449215 Gmdrm	hypo	CHH	-0.0817
Gm13	44449227	44449678 Gmdrm	hypo	CHH	-0.0933
Gm13	44452221	44453215 Gmdrm	hypo	CHH	-0.2677
Gm13	44457739	44458726 Gmdrm	hypo	CHH	-0.0195
Gm13	44461226	44462205 Gmdrm	hypo	CHH	-0.0449
Gm13	44466470	44467443 Gmdrm	hypo	CHH	-0.0398
Gm13	44472182	44473151 Gmdrm	hypo	CHH	-0.0712
Gm13	44473185	44474182 Gmdrm	hypo	CHH	-0.085
Gm13	44474197	44475187 Gmdrm	hypo	CHH	-0.0657
Gm13	44488031	44489024 Gmdrm	hypo	CHH	-0.0111
Gm13	44489040	44490039 Gmdrm	hypo	CHH	-0.0099
Gm13	44498336	44499327 Gmdrm	hypo	CHH	-0.1935
Gm13	44499340	44499899 Gmdrm	hypo	CHH	-0.0548
Gm13	44502438	44503424 Gmdrm	hypo	CHH	-0.0218
Gm13	44507016	44508000 Gmdrm	hypo	CHH	-0.0194
Gm13	44515543	44516514 Gmdrm	hypo	CHH	-0.0706
Gm13	44534052	44535046 Gmdrm	hypo	CHH	-0.0344

Gm13	44539732	44540730	Gmdrm	hypo	CHH	-0.1069
Gm13	44540733	44541579	Gmdrm	hypo	CHH	-0.03
Gm13	44545923	44546875	Gmdrm	hypo	CHH	-0.0722
Gm13	44550083	44551025	Gmdrm	hypo	CHH	-0.0139
Gm13	44554962	44555954	Gmdrm	hypo	CHH	-0.0288
Gm13	44565368	44566356	Gmdrm	hypo	CHH	-0.0261
Gm13	44567681	44568657	Gmdrm	hypo	CHH	-0.0586
Gm13	44568686	44569609	Gmdrm	hypo	CHH	-0.0365
Gm13	44573568	44574188	Gmdrm	hypo	CHH	-0.0781
Gm13	44581857	44582786	Gmdrm	hypo	CHH	-0.0142
Gm13	44592350	44593348	Gmdrm	hypo	CHH	-0.0139
Gm13	44597066	44598060	Gmdrm	hypo	CHH	-0.012
Gm13	44611589	44612581	Gmdrm	hypo	CHH	-0.1285
Gm13	44612591	44613588	Gmdrm	hypo	CHH	-0.035
Gm13	44613975	44614968	Gmdrm	hypo	CHH	-0.0948
Gm13	44617667	44618666	Gmdrm	hypo	CHH	-0.0275
Gm13	44619688	44620665	Gmdrm	hypo	CHH	-0.0576
Gm13	44629618	44630615	Gmdrm	hypo	CHH	-0.0647
Gm13	44654291	44655261	Gmdrm	hypo	CHH	-0.2157
Gm13	44655510	44656293	Gmdrm	hypo	CHH	-0.2747
Gm13	44666736	44667730	Gmdrm	hypo	CHH	-0.3145
Gm13	44678311	44678491	Gmdrm	hypo	CHH	-0.045
Gm13	44692019	44692358	Gmdrm	hypo	CHH	-0.1147
Gm13	44692540	44693532	Gmdrm	hypo	CHH	-0.1249
Gm13	44693542	44693900	Gmdrm	hypo	CHH	-0.0446
Gm13	44694028	44695006	Gmdrm	hypo	CHH	-0.0752
Gm13	44702136	44703131	Gmdrm	hypo	CHH	-0.0262
Gm13	44703144	44704143	Gmdrm	hypo	CHH	-0.0321
Gm13	44706587	44707583	Gmdrm	hypo	CHH	-0.0518
Gm13	44707593	44708542	Gmdrm	hypo	CHH	-0.0159
Gm13	44710195	44711192	Gmdrm	hypo	CHH	-0.0449
Gm13	44711202	44712187	Gmdrm	hypo	CHH	-0.1375
Gm13	44712211	44713169	Gmdrm	hypo	CHH	-0.0993
Gm13	44713556	44714548	Gmdrm	hypo	CHH	-0.1492
Gm13	44715096	44716071	Gmdrm	hypo	CHH	-0.1298
Gm13	44724266	44724499	Gmdrm	hypo	CHH	-0.062
Gm13	44730591	44731579	Gmdrm	hypo	CHH	-0.3073
Gm13	44732608	44733602	Gmdrm	hypo	CHH	-0.1471
Gm13	44733609	44734576	Gmdrm	hypo	CHH	-0.0906
Gm13	44735164	44735950	Gmdrm	hypo	CHH	-0.0638
Gm13	44750902	44751880	Gmdrm	hypo	CHH	-0.1725
Gm13	44753999	44754968	Gmdrm	hypo	CHH	-0.2839
Gm13	44757298	44758296	Gmdrm	hypo	CHH	-0.0184
Gm13	44759321	44760320	Gmdrm	hypo	CHH	-0.0126
Gm13	44763344	44764342	Gmdrm	hypo	CHH	-0.0188
Gm13	44766364	44767297	Gmdrm	hypo	CHH	-0.0602

Gm13	44771675	44772662	Gmdrm	hypo	CHH	-0.014
Gm13	44772684	44773621	Gmdrm	hypo	CHH	-0.0205
Gm13	44779979	44780979	Gmdrm	hypo	CHH	-0.056
Gm13	44780989	44781969	Gmdrm	hypo	CHH	-0.0572
Gm13	44781995	44782981	Gmdrm	hypo	CHH	-0.0318
Gm13	44787022	44788018	Gmdrm	hypo	CHH	-0.0436
Gm13	44788037	44788268	Gmdrm	hypo	CHH	-0.1136
Gm13	44792823	44793817	Gmdrm	hypo	CHH	-0.0719
Gm13	44795570	44796564	Gmdrm	hypo	CHH	-0.0798
Gm13	44807705	44808700	Gmdrm	hypo	CHH	-0.0151
Gm13	44809733	44810713	Gmdrm	hypo	CHH	-0.029
Gm13	44829675	44830664	Gmdrm	hypo	CHH	-0.0112
Gm13	44838626	44839617	Gmdrm	hypo	CHH	-0.0852
Gm13	44839629	44840625	Gmdrm	hypo	CHH	-0.0078
Gm13	44841168	44842162	Gmdrm	hypo	CHH	-0.0194
Gm13	44845803	44846784	Gmdrm	hypo	CHH	-0.0175
Gm13	44850004	44850132	Gmdrm	hypo	CHH	-0.0508
Gm13	44852323	44852653	Gmdrm	hypo	CHH	-0.0353
Gm13	44853714	44854695	Gmdrm	hypo	CHH	-0.0205
Gm13	44858830	44859830	Gmdrm	hypo	CHH	-0.0126
Gm13	44861331	44861818	Gmdrm	hypo	CHH	-0.0231
Gm13	44867106	44868083	Gmdrm	hypo	CHH	-0.0947
Gm13	44869115	44870111	Gmdrm	hypo	CHH	-0.1117
Gm13	44870118	44871113	Gmdrm	hypo	CHH	-0.0328
Gm13	44880989	44881962	Gmdrm	hypo	CHH	-0.022
Gm13	44894577	44894845	Gmdrm	hypo	CHH	-0.0733
Gm13	44895825	44895873	Gmdrm	hypo	CHH	-0.054
Gm13	44898264	44899262	Gmdrm	hypo	CHH	-0.0751
Gm13	44899266	44900254	Gmdrm	hypo	CHH	-0.0781
Gm13	44902310	44902735	Gmdrm	hypo	CHH	-0.0331
Gm13	44902841	44903828	Gmdrm	hypo	CHH	-0.0184
Gm13	44931506	44932505	Gmdrm	hypo	CHH	-0.0147
Gm13	44941828	44942806	Gmdrm	hypo	CHH	-0.0119
Gm13	44944410	44945391	Gmdrm	hypo	CHH	-0.0298
Gm13	44948545	44949540	Gmdrm	hypo	CHH	-0.0696
Gm13	44966802	44966846	Gmdrm	hypo	CHH	-0.03
Gm13	44968059	44969046	Gmdrm	hypo	CHH	-0.0333
Gm13	44969061	44969334	Gmdrm	hypo	CHH	-0.0854
Gm13	44978541	44979160	Gmdrm	hypo	CHH	-0.0272
Gm13	45011619	45012610	Gmdrm	hypo	CHH	-0.0213
Gm13	45017211	45018208	Gmdrm	hypo	CHH	-0.02
Gm13	45025328	45026191	Gmdrm	hypo	CHH	-0.0275
Gm13	45033116	45034106	Gmdrm	hypo	CHH	-0.0108
Gm13	45039034	45039524	Gmdrm	hypo	CHH	-0.04
Gm13	45042357	45042657	Gmdrm	hypo	CHH	-0.0745
Gm13	45046713	45047706	Gmdrm	hypo	CHH	-0.1296

Gm13	45047725	45048720	Gmdrm	hypo	CHH	-0.0399
Gm13	45056335	45057331	Gmdrm	hypo	CHH	-0.2079
Gm13	45057336	45058317	Gmdrm	hypo	CHH	-0.046
Gm13	45062873	45063826	Gmdrm	hypo	CHH	-0.0147
Gm13	45070639	45071631	Gmdrm	hypo	CHH	-0.0225
Gm13	45072652	45073647	Gmdrm	hypo	CHH	-0.103
Gm13	45073663	45074643	Gmdrm	hypo	CHH	-0.0582
Gm13	45078000	45078868	Gmdrm	hypo	CHH	-0.03
Gm13	45084434	45085396	Gmdrm	hypo	CHH	-0.0276
Gm13	45086605	45087604	Gmdrm	hypo	CHH	-0.1608
Gm13	45087606	45088596	Gmdrm	hypo	CHH	-0.1825
Gm13	45088624	45089604	Gmdrm	hypo	CHH	-0.2714
Gm13	45105203	45105690	Gmdrm	hypo	CHH	-0.0362
Gm13	45106737	45107735	Gmdrm	hypo	CHH	-0.101
Gm13	45113963	45114961	Gmdrm	hypo	CHH	-0.0495
Gm13	45122209	45123196	Gmdrm	hypo	CHH	-0.0232
Gm13	45129309	45130282	Gmdrm	hypo	CHH	-0.0454
Gm13	45132565	45133564	Gmdrm	hypo	CHH	-0.1192
Gm13	45134263	45134375	Gmdrm	hypo	CHH	-0.0819
Gm13	45134512	45134599	Gmdrm	hypo	CHH	-0.11
Gm13	45145795	45146772	Gmdrm	hypo	CHH	-0.0122
Gm13	45152592	45153527	Gmdrm	hypo	CHH	-0.0155
Gm13	45170924	45171923	Gmdrm	hypo	CHH	-0.0279
Gm14	368	1084	Gmdrm	hypo	CHH	-0.0809
Gm14	1670	2669	Gmdrm	hypo	CHH	-0.0687
Gm14	2672	3242	Gmdrm	hypo	CHH	-0.0469
Gm14	10906	11351	Gmdrm	hypo	CHH	-0.0658
Gm14	23918	24284	Gmdrm	hypo	CHH	-0.0223
Gm14	27762	28735	Gmdrm	hypo	CHH	-0.0185
Gm14	29574	30566	Gmdrm	hypo	CHH	-0.0216
Gm14	46449	47443	Gmdrm	hypo	CHH	-0.0309
Gm14	77894	78893	Gmdrm	hypo	CHH	-0.0175
Gm14	82111	83098	Gmdrm	hypo	CHH	-0.0367
Gm14	99656	100652	Gmdrm	hypo	CHH	-0.0536
Gm14	100659	101651	Gmdrm	hypo	CHH	-0.1773
Gm14	110124	111075	Gmdrm	hypo	CHH	-0.0343
Gm14	118439	119425	Gmdrm	hypo	CHH	-0.1053
Gm14	122383	123382	Gmdrm	hypo	CHH	-0.0486
Gm14	133438	134438	Gmdrm	hypo	CHH	-0.0237
Gm14	134439	135416	Gmdrm	hypo	CHH	-0.0242
Gm14	141402	142395	Gmdrm	hypo	CHH	-0.0708
Gm14	143882	144677	Gmdrm	hypo	CHH	-0.0273
Gm14	147633	148288	Gmdrm	hypo	CHH	-0.0295
Gm14	148679	149671	Gmdrm	hypo	CHH	-0.1418
Gm14	153530	154489	Gmdrm	hypo	CHH	-0.0311
Gm14	179504	179748	Gmdrm	hypo	CHH	-0.1369

Gm14	180529	181232	Gmdrm	hypo	CHH	-0.1542
Gm14	181785	182774	Gmdrm	hypo	CHH	-0.0672
Gm14	188846	189829	Gmdrm	hypo	CHH	-0.0556
Gm14	199557	200543	Gmdrm	hypo	CHH	-0.029
Gm14	204668	205664	Gmdrm	hypo	CHH	-0.0118
Gm14	207651	208648	Gmdrm	hypo	CHH	-0.0298
Gm14	208669	209592	Gmdrm	hypo	CHH	-0.0689
Gm14	217974	218714	Gmdrm	hypo	CHH	-0.1086
Gm14	230539	231477	Gmdrm	hypo	CHH	-0.0341
Gm14	234764	235748	Gmdrm	hypo	CHH	-0.0806
Gm14	245494	246489	Gmdrm	hypo	CHH	-0.0805
Gm14	246498	247050	Gmdrm	hypo	CHH	-0.0331
Gm14	247257	248218	Gmdrm	hypo	CHH	-0.2087
Gm14	251453	252428	Gmdrm	hypo	CHH	-0.0189
Gm14	256653	256771	Gmdrm	hypo	CHH	-0.0314
Gm14	261705	262657	Gmdrm	hypo	CHH	-0.0334
Gm14	270036	271034	Gmdrm	hypo	CHH	-0.2253
Gm14	271044	272038	Gmdrm	hypo	CHH	-0.1457
Gm14	275048	275606	Gmdrm	hypo	CHH	-0.0165
Gm14	283255	283583	Gmdrm	hypo	CHH	-0.0181
Gm14	286265	287265	Gmdrm	hypo	CHH	-0.0169
Gm14	295079	296075	Gmdrm	hypo	CHH	-0.0224
Gm14	313879	314827	Gmdrm	hypo	CHH	-0.0291
Gm14	320033	321010	Gmdrm	hypo	CHH	-0.308
Gm14	321426	322147	Gmdrm	hypo	CHH	-0.0335
Gm14	340861	341042	Gmdrm	hypo	CHH	-0.066
Gm14	356640	357620	Gmdrm	hypo	CHH	-0.0208
Gm14	367285	368282	Gmdrm	hypo	CHH	-0.0237
Gm14	386911	387911	Gmdrm	hypo	CHH	-0.0694
Gm14	387920	388014	Gmdrm	hypo	CHH	-0.0666
Gm14	389233	389534	Gmdrm	hypo	CHH	-0.1062
Gm14	412648	413640	Gmdrm	hypo	CHH	-0.0404
Gm14	413661	414151	Gmdrm	hypo	CHH	-0.0286
Gm14	414273	415271	Gmdrm	hypo	CHH	-0.041
Gm14	415274	415899	Gmdrm	hypo	CHH	-0.033
Gm14	420666	420986	Gmdrm	hypo	CHH	-0.025
Gm14	428944	429926	Gmdrm	hypo	CHH	-0.017
Gm14	429945	430940	Gmdrm	hypo	CHH	-0.0142
Gm14	445756	446718	Gmdrm	hypo	CHH	-0.0832
Gm14	450958	451885	Gmdrm	hypo	CHH	-0.0767
Gm14	465491	465705	Gmdrm	hypo	CHH	-0.035
Gm14	474667	475200	Gmdrm	hypo	CHH	-0.1874
Gm14	477001	477999	Gmdrm	hypo	CHH	-0.0168
Gm14	483041	483727	Gmdrm	hypo	CHH	-0.0216
Gm14	500999	501996	Gmdrm	hypo	CHH	-0.0405
Gm14	503016	504009	Gmdrm	hypo	CHH	-0.0368

Gm14	512639	513636 Gmdrm	hypo	CHH	-0.2747
Gm14	513641	514628 Gmdrm	hypo	CHH	-0.066
Gm14	514645	515620 Gmdrm	hypo	CHH	-0.0198
Gm14	518951	519933 Gmdrm	hypo	CHH	-0.0391
Gm14	530610	531590 Gmdrm	hypo	CHH	-0.0355
Gm14	533513	534512 Gmdrm	hypo	CHH	-0.1549
Gm14	534515	535494 Gmdrm	hypo	CHH	-0.0334
Gm14	547431	548421 Gmdrm	hypo	CHH	-0.0245
Gm14	553100	554100 Gmdrm	hypo	CHH	-0.0795
Gm14	554102	555098 Gmdrm	hypo	CHH	-0.0734
Gm14	557028	558027 Gmdrm	hypo	CHH	-0.0549
Gm14	558029	559016 Gmdrm	hypo	CHH	-0.0738
Gm14	618090	619086 Gmdrm	hypo	CHH	-0.0272
Gm14	627076	628072 Gmdrm	hypo	CHH	-0.2982
Gm14	629110	630104 Gmdrm	hypo	CHH	-0.1269
Gm14	630114	631082 Gmdrm	hypo	CHH	-0.0494
Gm14	648383	649382 Gmdrm	hypo	CHH	-0.0625
Gm14	652315	653304 Gmdrm	hypo	CHH	-0.0214
Gm14	654340	655315 Gmdrm	hypo	CHH	-0.0463
Gm14	673328	674297 Gmdrm	hypo	CHH	-0.028
Gm14	674336	675262 Gmdrm	hypo	CHH	-0.0263
Gm14	676576	677269 Gmdrm	hypo	CHH	-0.0196
Gm14	696012	696990 Gmdrm	hypo	CHH	-0.0123
Gm14	697688	698662 Gmdrm	hypo	CHH	-0.0137
Gm14	701019	701970 Gmdrm	hypo	CHH	-0.02
Gm14	702480	703463 Gmdrm	hypo	CHH	-0.1743
Gm14	710879	711569 Gmdrm	hypo	CHH	-0.0304
Gm14	717743	718742 Gmdrm	hypo	CHH	-0.0467
Gm14	718744	719742 Gmdrm	hypo	CHH	-0.0943
Gm14	719752	720746 Gmdrm	hypo	CHH	-0.0448
Gm14	724901	725892 Gmdrm	hypo	CHH	-0.0218
Gm14	725915	726915 Gmdrm	hypo	CHH	-0.0228
Gm14	726923	727916 Gmdrm	hypo	CHH	-0.0237
Gm14	728944	729944 Gmdrm	hypo	CHH	-0.0164
Gm14	734537	735526 Gmdrm	hypo	CHH	-0.0209
Gm14	780726	781725 Gmdrm	hypo	CHH	-0.1941
Gm14	781731	782723 Gmdrm	hypo	CHH	-0.1982
Gm14	785148	786144 Gmdrm	hypo	CHH	-0.0338
Gm14	801072	802003 Gmdrm	hypo	CHH	-0.0289
Gm14	806824	807784 Gmdrm	hypo	CHH	-0.0242
Gm14	811453	812445 Gmdrm	hypo	CHH	-0.0134
Gm14	820465	821244 Gmdrm	hypo	CHH	-0.0275
Gm14	841897	842890 Gmdrm	hypo	CHH	-0.0257
Gm14	852219	853037 Gmdrm	hypo	CHH	-0.0147
Gm14	866977	867913 Gmdrm	hypo	CHH	-0.0313
Gm14	872302	872925 Gmdrm	hypo	CHH	-0.1175

Gm14	876029	877021 Gmdrm	hypo	CHH	-0.0219
Gm14	884325	885285 Gmdrm	hypo	CHH	-0.0174
Gm14	898484	899480 Gmdrm	hypo	CHH	-0.0147
Gm14	903952	904949 Gmdrm	hypo	CHH	-0.0147
Gm14	925459	926456 Gmdrm	hypo	CHH	-0.0592
Gm14	926466	927223 Gmdrm	hypo	CHH	-0.0265
Gm14	936743	937731 Gmdrm	hypo	CHH	-0.0736
Gm14	937771	938771 Gmdrm	hypo	CHH	-0.1687
Gm14	938774	939324 Gmdrm	hypo	CHH	-0.1371
Gm14	943132	944114 Gmdrm	hypo	CHH	-0.0174
Gm14	955555	956487 Gmdrm	hypo	CHH	-0.0589
Gm14	956565	957562 Gmdrm	hypo	CHH	-0.0382
Gm14	957566	958160 Gmdrm	hypo	CHH	-0.1682
Gm14	967051	967661 Gmdrm	hypo	CHH	-0.0313
Gm14	972885	973376 Gmdrm	hypo	CHH	-0.0278
Gm14	979949	980939 Gmdrm	hypo	CHH	-0.0163
Gm14	1002852	1003204 Gmdrm	hypo	CHH	-0.0362
Gm14	1004590	1005156 Gmdrm	hypo	CHH	-0.1477
Gm14	1005260	1006249 Gmdrm	hypo	CHH	-0.0784
Gm14	1006825	1007802 Gmdrm	hypo	CHH	-0.0777
Gm14	1036625	1037351 Gmdrm	hypo	CHH	-0.0619
Gm14	1054546	1055528 Gmdrm	hypo	CHH	-0.0638
Gm14	1056973	1057959 Gmdrm	hypo	CHH	-0.0842
Gm14	1057980	1058976 Gmdrm	hypo	CHH	-0.0587
Gm14	1068732	1069730 Gmdrm	hypo	CHH	-0.0363
Gm14	1069739	1070739 Gmdrm	hypo	CHH	-0.0274
Gm14	1076828	1077822 Gmdrm	hypo	CHH	-0.0226
Gm14	1089177	1089284 Gmdrm	hypo	CHH	-0.042
Gm14	1099959	1100928 Gmdrm	hypo	CHH	-0.0321
Gm14	1113538	1113935 Gmdrm	hypo	CHH	-0.0408
Gm14	1125684	1126661 Gmdrm	hypo	CHH	-0.2727
Gm14	1133317	1134311 Gmdrm	hypo	CHH	-0.1119
Gm14	1147602	1148599 Gmdrm	hypo	CHH	-0.0575
Gm14	1148604	1149385 Gmdrm	hypo	CHH	-0.023
Gm14	1166319	1167058 Gmdrm	hypo	CHH	-0.0121
Gm14	1167180	1167563 Gmdrm	hypo	CHH	-0.0239
Gm14	1169883	1170863 Gmdrm	hypo	CHH	-0.0369
Gm14	1171896	1172896 Gmdrm	hypo	CHH	-0.0301
Gm14	1178328	1179328 Gmdrm	hypo	CHH	-0.0151
Gm14	1184732	1184934 Gmdrm	hypo	CHH	-0.03
Gm14	1198108	1199101 Gmdrm	hypo	CHH	-0.0227
Gm14	1200314	1200674 Gmdrm	hypo	CHH	-0.1548
Gm14	1201217	1202209 Gmdrm	hypo	CHH	-0.0375
Gm14	1214022	1214554 Gmdrm	hypo	CHH	-0.2041
Gm14	1222657	1223656 Gmdrm	hypo	CHH	-0.0622
Gm14	1223664	1224664 Gmdrm	hypo	CHH	-0.1786

Gm14	1233337	1233479	Gmdrm	hypo	CHH	-0.0717
Gm14	1236059	1236318	Gmdrm	hypo	CHH	-0.0358
Gm14	1245110	1245362	Gmdrm	hypo	CHH	-0.0466
Gm14	1256893	1256999	Gmdrm	hypo	CHH	-0.085
Gm14	1261329	1261751	Gmdrm	hypo	CHH	-0.0495
Gm14	1261979	1262966	Gmdrm	hypo	CHH	-0.0815
Gm14	1262995	1263608	Gmdrm	hypo	CHH	-0.1209
Gm14	1270791	1271766	Gmdrm	hypo	CHH	-0.0245
Gm14	1279141	1279664	Gmdrm	hypo	CHH	-0.0331
Gm14	1299123	1300096	Gmdrm	hypo	CHH	-0.0235
Gm14	1316540	1317537	Gmdrm	hypo	CHH	-0.071
Gm14	1317541	1318497	Gmdrm	hypo	CHH	-0.1322
Gm14	1321860	1322703	Gmdrm	hypo	CHH	-0.0623
Gm14	1324053	1325047	Gmdrm	hypo	CHH	-0.0603
Gm14	1325063	1326058	Gmdrm	hypo	CHH	-0.0279
Gm14	1326065	1327062	Gmdrm	hypo	CHH	-0.0551
Gm14	1327069	1327385	Gmdrm	hypo	CHH	-0.0696
Gm14	1327544	1328526	Gmdrm	hypo	CHH	-0.0408
Gm14	1334136	1335126	Gmdrm	hypo	CHH	-0.1029
Gm14	1348884	1349393	Gmdrm	hypo	CHH	-0.0183
Gm14	1351920	1352176	Gmdrm	hypo	CHH	-0.0162
Gm14	1359578	1360536	Gmdrm	hypo	CHH	-0.0507
Gm14	1361607	1362600	Gmdrm	hypo	CHH	-0.102
Gm14	1362617	1363602	Gmdrm	hypo	CHH	-0.034
Gm14	1371497	1372485	Gmdrm	hypo	CHH	-0.049
Gm14	1372499	1373499	Gmdrm	hypo	CHH	-0.1811
Gm14	1373502	1374487	Gmdrm	hypo	CHH	-0.0255
Gm14	1387963	1388596	Gmdrm	hypo	CHH	-0.0382
Gm14	1395725	1396717	Gmdrm	hypo	CHH	-0.0324
Gm14	1396740	1397678	Gmdrm	hypo	CHH	-0.0956
Gm14	1400721	1401241	Gmdrm	hypo	CHH	-0.0292
Gm14	1408800	1409798	Gmdrm	hypo	CHH	-0.0221
Gm14	1413257	1414252	Gmdrm	hypo	CHH	-0.0129
Gm14	1425800	1426785	Gmdrm	hypo	CHH	-0.1288
Gm14	1431592	1432579	Gmdrm	hypo	CHH	-0.0138
Gm14	1439369	1440358	Gmdrm	hypo	CHH	-0.0175
Gm14	1457871	1458870	Gmdrm	hypo	CHH	-0.041
Gm14	1458873	1459821	Gmdrm	hypo	CHH	-0.0368
Gm14	1462771	1463764	Gmdrm	hypo	CHH	-0.1565
Gm14	1466025	1467012	Gmdrm	hypo	CHH	-0.095
Gm14	1474425	1475420	Gmdrm	hypo	CHH	-0.0531
Gm14	1485932	1486158	Gmdrm	hypo	CHH	-0.0509
Gm14	1495761	1496240	Gmdrm	hypo	CHH	-0.0251
Gm14	1511131	1512131	Gmdrm	hypo	CHH	-0.0812
Gm14	1525134	1525850	Gmdrm	hypo	CHH	-0.0234
Gm14	1534333	1535286	Gmdrm	hypo	CHH	-0.0191

Gm14	1538742	1539169	Gmdrm	hypo	CHH	-0.0312
Gm14	1539282	1540280	Gmdrm	hypo	CHH	-0.0283
Gm14	1540311	1540998	Gmdrm	hypo	CHH	-0.0191
Gm14	1553494	1554433	Gmdrm	hypo	CHH	-0.0346
Gm14	1555597	1556589	Gmdrm	hypo	CHH	-0.0109
Gm14	1557286	1558282	Gmdrm	hypo	CHH	-0.0272
Gm14	1558300	1559295	Gmdrm	hypo	CHH	-0.0657
Gm14	1559304	1560297	Gmdrm	hypo	CHH	-0.0162
Gm14	1563548	1564468	Gmdrm	hypo	CHH	-0.0261
Gm14	1564551	1565543	Gmdrm	hypo	CHH	-0.0368
Gm14	1578891	1579882	Gmdrm	hypo	CHH	-0.0178
Gm14	1592620	1593585	Gmdrm	hypo	CHH	-0.081
Gm14	1598167	1599162	Gmdrm	hypo	CHH	-0.0741
Gm14	1612189	1613188	Gmdrm	hypo	CHH	-0.067
Gm14	1616307	1616968	Gmdrm	hypo	CHH	-0.0272
Gm14	1623917	1624901	Gmdrm	hypo	CHH	-0.0145
Gm14	1624920	1625877	Gmdrm	hypo	CHH	-0.012
Gm14	1625946	1626926	Gmdrm	hypo	CHH	-0.1355
Gm14	1628191	1629188	Gmdrm	hypo	CHH	-0.0583
Gm14	1629195	1630190	Gmdrm	hypo	CHH	-0.0662
Gm14	1632211	1633211	Gmdrm	hypo	CHH	-0.157
Gm14	1633217	1634181	Gmdrm	hypo	CHH	-0.1413
Gm14	1635252	1636203	Gmdrm	hypo	CHH	-0.018
Gm14	1641239	1641303	Gmdrm	hypo	CHH	-0.078
Gm14	1658352	1659349	Gmdrm	hypo	CHH	-0.014
Gm14	1665498	1666480	Gmdrm	hypo	CHH	-0.0181
Gm14	1666508	1667229	Gmdrm	hypo	CHH	-0.0182
Gm14	1669167	1669293	Gmdrm	hypo	CHH	-0.11
Gm14	1687141	1688132	Gmdrm	hypo	CHH	-0.0411
Gm14	1691296	1692295	Gmdrm	hypo	CHH	-0.0993
Gm14	1697618	1698605	Gmdrm	hypo	CHH	-0.0596
Gm14	1701664	1702648	Gmdrm	hypo	CHH	-0.0221
Gm14	1731587	1732574	Gmdrm	hypo	CHH	-0.0143
Gm14	1735435	1736432	Gmdrm	hypo	CHH	-0.158
Gm14	1737329	1737903	Gmdrm	hypo	CHH	-0.03
Gm14	1743953	1744947	Gmdrm	hypo	CHH	-0.0152
Gm14	1755444	1756418	Gmdrm	hypo	CHH	-0.022
Gm14	1766349	1767329	Gmdrm	hypo	CHH	-0.0156
Gm14	1776026	1776420	Gmdrm	hypo	CHH	-0.0206
Gm14	1790157	1790547	Gmdrm	hypo	CHH	-0.0692
Gm14	1792720	1792914	Gmdrm	hypo	CHH	-0.0643
Gm14	1793042	1793980	Gmdrm	hypo	CHH	-0.0211
Gm14	1798411	1799379	Gmdrm	hypo	CHH	-0.0174
Gm14	1821702	1822695	Gmdrm	hypo	CHH	-0.0127
Gm14	1832609	1833564	Gmdrm	hypo	CHH	-0.265
Gm14	1834648	1835297	Gmdrm	hypo	CHH	-0.1299

Gm14	1843266	1844249	Gmdrm	hypo	CHH	-0.0139
Gm14	1846324	1847317	Gmdrm	hypo	CHH	-0.0825
Gm14	1847338	1848334	Gmdrm	hypo	CHH	-0.1085
Gm14	1848346	1849315	Gmdrm	hypo	CHH	-0.0278
Gm14	1850465	1851454	Gmdrm	hypo	CHH	-0.1277
Gm14	1851469	1852451	Gmdrm	hypo	CHH	-0.049
Gm14	1852492	1853477	Gmdrm	hypo	CHH	-0.0185
Gm14	1853503	1854490	Gmdrm	hypo	CHH	-0.0609
Gm14	1858959	1859688	Gmdrm	hypo	CHH	-0.0476
Gm14	1859819	1860797	Gmdrm	hypo	CHH	-0.0137
Gm14	1867114	1868107	Gmdrm	hypo	CHH	-0.0236
Gm14	1893311	1894278	Gmdrm	hypo	CHH	-0.0561
Gm14	1900078	1901059	Gmdrm	hypo	CHH	-0.0522
Gm14	1901079	1901736	Gmdrm	hypo	CHH	-0.0291
Gm14	1905433	1906421	Gmdrm	hypo	CHH	-0.0987
Gm14	1908506	1909504	Gmdrm	hypo	CHH	-0.1014
Gm14	1909507	1910495	Gmdrm	hypo	CHH	-0.0659
Gm14	1918883	1919876	Gmdrm	hypo	CHH	-0.0213
Gm14	1925888	1926882	Gmdrm	hypo	CHH	-0.081
Gm14	1926898	1927892	Gmdrm	hypo	CHH	-0.0569
Gm14	1927925	1928913	Gmdrm	hypo	CHH	-0.0185
Gm14	1929959	1930949	Gmdrm	hypo	CHH	-0.0372
Gm14	1935305	1936293	Gmdrm	hypo	CHH	-0.022
Gm14	1945846	1946841	Gmdrm	hypo	CHH	-0.0376
Gm14	1946847	1947827	Gmdrm	hypo	CHH	-0.0272
Gm14	1947864	1948863	Gmdrm	hypo	CHH	-0.029
Gm14	1950995	1951991	Gmdrm	hypo	CHH	-0.1097
Gm14	1967240	1967795	Gmdrm	hypo	CHH	-0.0268
Gm14	1976780	1977730	Gmdrm	hypo	CHH	-0.0222
Gm14	2002509	2003504	Gmdrm	hypo	CHH	-0.0431
Gm14	2004531	2005520	Gmdrm	hypo	CHH	-0.0234
Gm14	2024707	2025700	Gmdrm	hypo	CHH	-0.0247
Gm14	2036609	2036678	Gmdrm	hypo	CHH	-0.028
Gm14	2037813	2038808	Gmdrm	hypo	CHH	-0.0224
Gm14	2038814	2039812	Gmdrm	hypo	CHH	-0.0682
Gm14	2043458	2044458	Gmdrm	hypo	CHH	-0.0393
Gm14	2048876	2049875	Gmdrm	hypo	CHH	-0.0601
Gm14	2050885	2051884	Gmdrm	hypo	CHH	-0.0236
Gm14	2056237	2056782	Gmdrm	hypo	CHH	-0.0257
Gm14	2057292	2058288	Gmdrm	hypo	CHH	-0.1492
Gm14	2058298	2059274	Gmdrm	hypo	CHH	-0.2167
Gm14	2078759	2079752	Gmdrm	hypo	CHH	-0.058
Gm14	2089591	2090567	Gmdrm	hypo	CHH	-0.0384
Gm14	2090601	2091601	Gmdrm	hypo	CHH	-0.0655
Gm14	2091608	2092590	Gmdrm	hypo	CHH	-0.0814
Gm14	2098454	2099449	Gmdrm	hypo	CHH	-0.0212

Gm14	2105902	2106893	Gmdrm	hypo	CHH	-0.1277
Gm14	2110000	2111000	Gmdrm	hypo	CHH	-0.0991
Gm14	2119960	2120955	Gmdrm	hypo	CHH	-0.0622
Gm14	2120972	2121956	Gmdrm	hypo	CHH	-0.1765
Gm14	2136501	2137480	Gmdrm	hypo	CHH	-0.0197
Gm14	2142835	2143832	Gmdrm	hypo	CHH	-0.0225
Gm14	2168475	2169459	Gmdrm	hypo	CHH	-0.0172
Gm14	2174807	2175795	Gmdrm	hypo	CHH	-0.1669
Gm14	2175808	2176767	Gmdrm	hypo	CHH	-0.0907
Gm14	2177260	2178260	Gmdrm	hypo	CHH	-0.0241
Gm14	2186913	2187350	Gmdrm	hypo	CHH	-0.0533
Gm14	2187467	2188455	Gmdrm	hypo	CHH	-0.0273
Gm14	2191571	2192557	Gmdrm	hypo	CHH	-0.059
Gm14	2192573	2192933	Gmdrm	hypo	CHH	-0.0405
Gm14	2195930	2196918	Gmdrm	hypo	CHH	-0.018
Gm14	2197980	2198975	Gmdrm	hypo	CHH	-0.1954
Gm14	2198981	2199970	Gmdrm	hypo	CHH	-0.1669
Gm14	2220244	2221239	Gmdrm	hypo	CHH	-0.0314
Gm14	2224345	2225335	Gmdrm	hypo	CHH	-0.0219
Gm14	2225383	2226381	Gmdrm	hypo	CHH	-0.0167
Gm14	2231765	2232759	Gmdrm	hypo	CHH	-0.0466
Gm14	2232771	2233770	Gmdrm	hypo	CHH	-0.0239
Gm14	2239868	2240868	Gmdrm	hypo	CHH	-0.0639
Gm14	2241755	2242538	Gmdrm	hypo	CHH	-0.0272
Gm14	2248027	2249025	Gmdrm	hypo	CHH	-0.0633
Gm14	2254876	2255875	Gmdrm	hypo	CHH	-0.0566
Gm14	2255881	2256878	Gmdrm	hypo	CHH	-0.0135
Gm14	2256908	2257729	Gmdrm	hypo	CHH	-0.0214
Gm14	2259903	2260896	Gmdrm	hypo	CHH	-0.0319
Gm14	2262530	2263301	Gmdrm	hypo	CHH	-0.0152
Gm14	2266373	2267373	Gmdrm	hypo	CHH	-0.0595
Gm14	2267374	2268347	Gmdrm	hypo	CHH	-0.0785
Gm14	2273050	2274026	Gmdrm	hypo	CHH	-0.1364
Gm14	2277214	2278194	Gmdrm	hypo	CHH	-0.0604
Gm14	2291389	2292173	Gmdrm	hypo	CHH	-0.0227
Gm14	2322304	2323287	Gmdrm	hypo	CHH	-0.0394
Gm14	2323317	2324317	Gmdrm	hypo	CHH	-0.0232
Gm14	2331453	2332451	Gmdrm	hypo	CHH	-0.3279
Gm14	2332494	2333492	Gmdrm	hypo	CHH	-0.0191
Gm14	2334111	2334270	Gmdrm	hypo	CHH	-0.04
Gm14	2336146	2337132	Gmdrm	hypo	CHH	-0.0218
Gm14	2352751	2353746	Gmdrm	hypo	CHH	-0.1154
Gm14	2353756	2354734	Gmdrm	hypo	CHH	-0.0107
Gm14	2364292	2365291	Gmdrm	hypo	CHH	-0.0692
Gm14	2386773	2387762	Gmdrm	hypo	CHH	-0.1158
Gm14	2387774	2388457	Gmdrm	hypo	CHH	-0.0716

Gm14	2397044	2398044	Gmdrm	hypo	CHH	-0.1002
Gm14	2398045	2398960	Gmdrm	hypo	CHH	-0.0697
Gm14	2408020	2408261	Gmdrm	hypo	CHH	-0.0343
Gm14	2408369	2409357	Gmdrm	hypo	CHH	-0.0194
Gm14	2412951	2413950	Gmdrm	hypo	CHH	-0.0328
Gm14	2416435	2417427	Gmdrm	hypo	CHH	-0.0176
Gm14	2425718	2426709	Gmdrm	hypo	CHH	-0.0312
Gm14	2427720	2428713	Gmdrm	hypo	CHH	-0.0495
Gm14	2428721	2429682	Gmdrm	hypo	CHH	-0.103
Gm14	2437325	2438323	Gmdrm	hypo	CHH	-0.0348
Gm14	2444163	2445146	Gmdrm	hypo	CHH	-0.0356
Gm14	2446028	2446987	Gmdrm	hypo	CHH	-0.0192
Gm14	2450817	2451760	Gmdrm	hypo	CHH	-0.0281
Gm14	2451831	2452782	Gmdrm	hypo	CHH	-0.0578
Gm14	2459246	2460195	Gmdrm	hypo	CHH	-0.0203
Gm14	2461036	2462011	Gmdrm	hypo	CHH	-0.0239
Gm14	2462047	2463037	Gmdrm	hypo	CHH	-0.0288
Gm14	2464295	2465292	Gmdrm	hypo	CHH	-0.025
Gm14	2477166	2478163	Gmdrm	hypo	CHH	-0.0148
Gm14	2493713	2494708	Gmdrm	hypo	CHH	-0.018
Gm14	2498649	2499622	Gmdrm	hypo	CHH	-0.0077
Gm14	2499660	2500658	Gmdrm	hypo	CHH	-0.0493
Gm14	2503318	2504302	Gmdrm	hypo	CHH	-0.0268
Gm14	2506435	2507435	Gmdrm	hypo	CHH	-0.0666
Gm14	2517369	2518366	Gmdrm	hypo	CHH	-0.0664
Gm14	2518475	2519010	Gmdrm	hypo	CHH	-0.02
Gm14	2519504	2520127	Gmdrm	hypo	CHH	-0.073
Gm14	2521480	2522173	Gmdrm	hypo	CHH	-0.0219
Gm14	2523412	2524394	Gmdrm	hypo	CHH	-0.1245
Gm14	2531487	2532483	Gmdrm	hypo	CHH	-0.0181
Gm14	2547844	2548833	Gmdrm	hypo	CHH	-0.0501
Gm14	2563562	2564137	Gmdrm	hypo	CHH	-0.0572
Gm14	2577008	2577940	Gmdrm	hypo	CHH	-0.0149
Gm14	2585835	2586591	Gmdrm	hypo	CHH	-0.0209
Gm14	2586695	2587082	Gmdrm	hypo	CHH	-0.057
Gm14	2591701	2592694	Gmdrm	hypo	CHH	-0.0108
Gm14	2603610	2604597	Gmdrm	hypo	CHH	-0.0122
Gm14	2606577	2607559	Gmdrm	hypo	CHH	-0.0367
Gm14	2611998	2612988	Gmdrm	hypo	CHH	-0.0114
Gm14	2622230	2623210	Gmdrm	hypo	CHH	-0.0168
Gm14	2623241	2624238	Gmdrm	hypo	CHH	-0.1653
Gm14	2635448	2636429	Gmdrm	hypo	CHH	-0.0266
Gm14	2637200	2638190	Gmdrm	hypo	CHH	-0.1921
Gm14	2638203	2639198	Gmdrm	hypo	CHH	-0.2934
Gm14	2640865	2641843	Gmdrm	hypo	CHH	-0.2086
Gm14	2652490	2653489	Gmdrm	hypo	CHH	-0.0412

Gm14	2653499	2654495	Gmdrm	hypo	CHH	-0.061
Gm14	2657024	2657522	Gmdrm	hypo	CHH	-0.0278
Gm14	2663976	2664964	Gmdrm	hypo	CHH	-0.0172
Gm14	2697796	2698138	Gmdrm	hypo	CHH	-0.0439
Gm14	2699386	2700336	Gmdrm	hypo	CHH	-0.0428
Gm14	2710533	2711505	Gmdrm	hypo	CHH	-0.0861
Gm14	2713393	2714393	Gmdrm	hypo	CHH	-0.0337
Gm14	2732354	2733351	Gmdrm	hypo	CHH	-0.0331
Gm14	2733356	2734349	Gmdrm	hypo	CHH	-0.0171
Gm14	2736380	2736840	Gmdrm	hypo	CHH	-0.0229
Gm14	2740871	2741868	Gmdrm	hypo	CHH	-0.066
Gm14	2742898	2743896	Gmdrm	hypo	CHH	-0.0122
Gm14	2765907	2766895	Gmdrm	hypo	CHH	-0.0152
Gm14	2784983	2785960	Gmdrm	hypo	CHH	-0.0155
Gm14	2785985	2786967	Gmdrm	hypo	CHH	-0.0305
Gm14	2788021	2788978	Gmdrm	hypo	CHH	-0.0124
Gm14	2793144	2794134	Gmdrm	hypo	CHH	-0.0297
Gm14	2832456	2833454	Gmdrm	hypo	CHH	-0.0186
Gm14	2833461	2834460	Gmdrm	hypo	CHH	-0.0144
Gm14	2849624	2850215	Gmdrm	hypo	CHH	-0.0642
Gm14	2856642	2857641	Gmdrm	hypo	CHH	-0.0188
Gm14	2857649	2858637	Gmdrm	hypo	CHH	-0.0357
Gm14	2858652	2859650	Gmdrm	hypo	CHH	-0.023
Gm14	2859654	2860075	Gmdrm	hypo	CHH	-0.0493
Gm14	2862556	2863336	Gmdrm	hypo	CHH	-0.0275
Gm14	2863724	2864682	Gmdrm	hypo	CHH	-0.0284
Gm14	2880682	2881641	Gmdrm	hypo	CHH	-0.354
Gm14	2885296	2886264	Gmdrm	hypo	CHH	-0.0228
Gm14	2915182	2916174	Gmdrm	hypo	CHH	-0.0246
Gm14	2921698	2922552	Gmdrm	hypo	CHH	-0.0107
Gm14	2940134	2941126	Gmdrm	hypo	CHH	-0.0361
Gm14	2947287	2948275	Gmdrm	hypo	CHH	-0.0096
Gm14	2949305	2950251	Gmdrm	hypo	CHH	-0.0276
Gm14	2972144	2973144	Gmdrm	hypo	CHH	-0.0115
Gm14	2985645	2986637	Gmdrm	hypo	CHH	-0.0153
Gm14	2998662	2999646	Gmdrm	hypo	CHH	-0.0119
Gm14	3010559	3011557	Gmdrm	hypo	CHH	-0.0172
Gm14	3027341	3027984	Gmdrm	hypo	CHH	-0.02
Gm14	3028504	3029395	Gmdrm	hypo	CHH	-0.1082
Gm14	3036550	3037065	Gmdrm	hypo	CHH	-0.1001
Gm14	3037206	3038180	Gmdrm	hypo	CHH	-0.0963
Gm14	3053609	3054522	Gmdrm	hypo	CHH	-0.0156
Gm14	3054616	3055591	Gmdrm	hypo	CHH	-0.015
Gm14	3057572	3057784	Gmdrm	hypo	CHH	-0.15
Gm14	3062289	3063273	Gmdrm	hypo	CHH	-0.0667
Gm14	3068199	3069185	Gmdrm	hypo	CHH	-0.0163

Gm14	3069243	3069539	Gmdrm	hypo	CHH	-0.03
Gm14	3069647	3070633	Gmdrm	hypo	CHH	-0.023
Gm14	3094631	3095606	Gmdrm	hypo	CHH	-0.0488
Gm14	3095669	3096637	Gmdrm	hypo	CHH	-0.0442
Gm14	3096671	3097667	Gmdrm	hypo	CHH	-0.0131
Gm14	3102912	3103903	Gmdrm	hypo	CHH	-0.0256
Gm14	3117551	3118551	Gmdrm	hypo	CHH	-0.0348
Gm14	3121675	3122646	Gmdrm	hypo	CHH	-0.0426
Gm14	3122678	3123677	Gmdrm	hypo	CHH	-0.0267
Gm14	3141546	3142546	Gmdrm	hypo	CHH	-0.0586
Gm14	3143568	3144008	Gmdrm	hypo	CHH	-0.0365
Gm14	3157343	3158338	Gmdrm	hypo	CHH	-0.2222
Gm14	3171066	3172058	Gmdrm	hypo	CHH	-0.1431
Gm14	3175450	3176027	Gmdrm	hypo	CHH	-0.0207
Gm14	3176144	3177131	Gmdrm	hypo	CHH	-0.0388
Gm14	3177145	3177664	Gmdrm	hypo	CHH	-0.0472
Gm14	3184026	3184380	Gmdrm	hypo	CHH	-0.0489
Gm14	3185952	3186881	Gmdrm	hypo	CHH	-0.0431
Gm14	3208931	3209076	Gmdrm	hypo	CHH	-0.1192
Gm14	3231038	3232017	Gmdrm	hypo	CHH	-0.0228
Gm14	3232059	3233054	Gmdrm	hypo	CHH	-0.0193
Gm14	3235101	3236093	Gmdrm	hypo	CHH	-0.0294
Gm14	3236103	3237102	Gmdrm	hypo	CHH	-0.0821
Gm14	3237110	3238109	Gmdrm	hypo	CHH	-0.0328
Gm14	3252348	3252422	Gmdrm	hypo	CHH	-0.2167
Gm14	3252551	3253549	Gmdrm	hypo	CHH	-0.0389
Gm14	3253552	3254530	Gmdrm	hypo	CHH	-0.0653
Gm14	3259810	3260803	Gmdrm	hypo	CHH	-0.0487
Gm14	3278830	3279827	Gmdrm	hypo	CHH	-0.0382
Gm14	3279832	3280832	Gmdrm	hypo	CHH	-0.0449
Gm14	3280833	3281765	Gmdrm	hypo	CHH	-0.0148
Gm14	3281850	3282707	Gmdrm	hypo	CHH	-0.0251
Gm14	3290847	3291841	Gmdrm	hypo	CHH	-0.1554
Gm14	3291870	3292864	Gmdrm	hypo	CHH	-0.0343
Gm14	3314177	3315142	Gmdrm	hypo	CHH	-0.1531
Gm14	3333894	3333969	Gmdrm	hypo	CHH	-0.05
Gm14	3336239	3337214	Gmdrm	hypo	CHH	-0.0511
Gm14	3340068	3341048	Gmdrm	hypo	CHH	-0.0716
Gm14	3347245	3347845	Gmdrm	hypo	CHH	-0.0226
Gm14	3354571	3355258	Gmdrm	hypo	CHH	-0.0274
Gm14	3361403	3362398	Gmdrm	hypo	CHH	-0.011
Gm14	3365109	3365291	Gmdrm	hypo	CHH	-0.095
Gm14	3367251	3368249	Gmdrm	hypo	CHH	-0.0169
Gm14	3368261	3369258	Gmdrm	hypo	CHH	-0.0901
Gm14	3369263	3370246	Gmdrm	hypo	CHH	-0.1186
Gm14	3371311	3372270	Gmdrm	hypo	CHH	-0.0164

Gm14	3372316	3373308 Gmdrm	hypo	CHH	-0.0143
Gm14	3387291	3388233 Gmdrm	hypo	CHH	-0.0415
Gm14	3392204	3393200 Gmdrm	hypo	CHH	-0.0239
Gm14	3393215	3394177 Gmdrm	hypo	CHH	-0.0916
Gm14	3396359	3397357 Gmdrm	hypo	CHH	-0.0166
Gm14	3432542	3433526 Gmdrm	hypo	CHH	-0.0207
Gm14	3435561	3436538 Gmdrm	hypo	CHH	-0.0157
Gm14	3439147	3440139 Gmdrm	hypo	CHH	-0.0146
Gm14	3443130	3444129 Gmdrm	hypo	CHH	-0.0327
Gm14	3444132	3445118 Gmdrm	hypo	CHH	-0.0142
Gm14	3449258	3450230 Gmdrm	hypo	CHH	-0.0175
Gm14	3470406	3470774 Gmdrm	hypo	CHH	-0.0606
Gm14	3477254	3478232 Gmdrm	hypo	CHH	-0.2045
Gm14	3478261	3479232 Gmdrm	hypo	CHH	-0.0823
Gm14	3481686	3482686 Gmdrm	hypo	CHH	-0.2066
Gm14	3483966	3484737 Gmdrm	hypo	CHH	-0.0263
Gm14	3500994	3501970 Gmdrm	hypo	CHH	-0.0257
Gm14	3507376	3508024 Gmdrm	hypo	CHH	-0.2519
Gm14	3510185	3511183 Gmdrm	hypo	CHH	-0.0331
Gm14	3523321	3524309 Gmdrm	hypo	CHH	-0.0219
Gm14	3535209	3536206 Gmdrm	hypo	CHH	-0.0154
Gm14	3538228	3539191 Gmdrm	hypo	CHH	-0.0139
Gm14	3554462	3554600 Gmdrm	hypo	CHH	-0.0486
Gm14	3557290	3558286 Gmdrm	hypo	CHH	-0.0977
Gm14	3558291	3558716 Gmdrm	hypo	CHH	-0.0187
Gm14	3559023	3559996 Gmdrm	hypo	CHH	-0.0379
Gm14	3565113	3565604 Gmdrm	hypo	CHH	-0.0598
Gm14	3584422	3585395 Gmdrm	hypo	CHH	-0.0152
Gm14	3591607	3592448 Gmdrm	hypo	CHH	-0.0216
Gm14	3594227	3595211 Gmdrm	hypo	CHH	-0.148
Gm14	3599051	3599661 Gmdrm	hypo	CHH	-0.0232
Gm14	3602820	3603801 Gmdrm	hypo	CHH	-0.1486
Gm14	3603829	3604810 Gmdrm	hypo	CHH	-0.2265
Gm14	3616839	3617801 Gmdrm	hypo	CHH	-0.0129
Gm14	3621299	3622272 Gmdrm	hypo	CHH	-0.0411
Gm14	3622302	3623302 Gmdrm	hypo	CHH	-0.0339
Gm14	3626576	3627508 Gmdrm	hypo	CHH	-0.0109
Gm14	3639114	3640106 Gmdrm	hypo	CHH	-0.0157
Gm14	3644139	3644257 Gmdrm	hypo	CHH	-0.066
Gm14	3651736	3652721 Gmdrm	hypo	CHH	-0.01
Gm14	3652738	3653006 Gmdrm	hypo	CHH	-0.03
Gm14	3655282	3656277 Gmdrm	hypo	CHH	-0.018
Gm14	3673662	3674654 Gmdrm	hypo	CHH	-0.0427
Gm14	3696760	3697730 Gmdrm	hypo	CHH	-0.0467
Gm14	3703772	3704748 Gmdrm	hypo	CHH	-0.0256
Gm14	3705211	3706210 Gmdrm	hypo	CHH	-0.0354

Gm14	3708627	3709579 Gmdrm	hypo	CHH	-0.0118
Gm14	3720737	3721716 Gmdrm	hypo	CHH	-0.032
Gm14	3721746	3722739 Gmdrm	hypo	CHH	-0.1124
Gm14	3723679	3724642 Gmdrm	hypo	CHH	-0.05
Gm14	3731923	3732251 Gmdrm	hypo	CHH	-0.0893
Gm14	3740150	3741133 Gmdrm	hypo	CHH	-0.0297
Gm14	3741168	3742142 Gmdrm	hypo	CHH	-0.031
Gm14	3759096	3759206 Gmdrm	hypo	CHH	-0.0972
Gm14	3759337	3760329 Gmdrm	hypo	CHH	-0.1331
Gm14	3767395	3767798 Gmdrm	hypo	CHH	-0.0295
Gm14	3782985	3783165 Gmdrm	hypo	CHH	-0.0362
Gm14	3795554	3796550 Gmdrm	hypo	CHH	-0.0316
Gm14	3800469	3801436 Gmdrm	hypo	CHH	-0.0153
Gm14	3802496	3802636 Gmdrm	hypo	CHH	-0.0656
Gm14	3802991	3803985 Gmdrm	hypo	CHH	-0.0287
Gm14	3812087	3812597 Gmdrm	hypo	CHH	-0.1214
Gm14	3812738	3813729 Gmdrm	hypo	CHH	-0.0499
Gm14	3814742	3815713 Gmdrm	hypo	CHH	-0.0937
Gm14	3840398	3841393 Gmdrm	hypo	CHH	-0.0154
Gm14	3845706	3846670 Gmdrm	hypo	CHH	-0.0241
Gm14	3852666	3853655 Gmdrm	hypo	CHH	-0.1323
Gm14	3853672	3854661 Gmdrm	hypo	CHH	-0.0367
Gm14	3861667	3862665 Gmdrm	hypo	CHH	-0.0191
Gm14	3864507	3865503 Gmdrm	hypo	CHH	-0.0486
Gm14	3867579	3868574 Gmdrm	hypo	CHH	-0.0148
Gm14	3868609	3869609 Gmdrm	hypo	CHH	-0.052
Gm14	3873668	3874659 Gmdrm	hypo	CHH	-0.0201
Gm14	3877014	3878001 Gmdrm	hypo	CHH	-0.0361
Gm14	3878019	3879016 Gmdrm	hypo	CHH	-0.0878
Gm14	3879021	3880010 Gmdrm	hypo	CHH	-0.0313
Gm14	3886932	3887930 Gmdrm	hypo	CHH	-0.0153
Gm14	3896416	3897378 Gmdrm	hypo	CHH	-0.0941
Gm14	3901516	3902515 Gmdrm	hypo	CHH	-0.0535
Gm14	3902524	3903507 Gmdrm	hypo	CHH	-0.1699
Gm14	3915441	3916403 Gmdrm	hypo	CHH	-0.0205
Gm14	3917468	3918252 Gmdrm	hypo	CHH	-0.0168
Gm14	3927240	3928204 Gmdrm	hypo	CHH	-0.0163
Gm14	3945460	3945917 Gmdrm	hypo	CHH	-0.0197
Gm14	3950007	3950916 Gmdrm	hypo	CHH	-0.0229
Gm14	3971856	3972823 Gmdrm	hypo	CHH	-0.0821
Gm14	3974967	3975959 Gmdrm	hypo	CHH	-0.0347
Gm14	3984689	3985678 Gmdrm	hypo	CHH	-0.1647
Gm14	4002337	4003335 Gmdrm	hypo	CHH	-0.0395
Gm14	4003344	4004254 Gmdrm	hypo	CHH	-0.0675
Gm14	4004409	4004489 Gmdrm	hypo	CHH	-0.033
Gm14	4018203	4019201 Gmdrm	hypo	CHH	-0.053

Gm14	4020104	4021093 Gmdrm	hypo	CHH	-0.0413
Gm14	4026169	4026243 Gmdrm	hypo	CHH	-0.052
Gm14	4033478	4034473 Gmdrm	hypo	CHH	-0.1049
Gm14	4034485	4035478 Gmdrm	hypo	CHH	-0.0366
Gm14	4047066	4047303 Gmdrm	hypo	CHH	-0.042
Gm14	4053150	4053893 Gmdrm	hypo	CHH	-0.258
Gm14	4054115	4055114 Gmdrm	hypo	CHH	-0.1886
Gm14	4056317	4057310 Gmdrm	hypo	CHH	-0.0472
Gm14	4057329	4058237 Gmdrm	hypo	CHH	-0.0572
Gm14	4063014	4063173 Gmdrm	hypo	CHH	-0.1061
Gm14	4065392	4066364 Gmdrm	hypo	CHH	-0.0134
Gm14	4075836	4076832 Gmdrm	hypo	CHH	-0.078
Gm14	4076838	4077272 Gmdrm	hypo	CHH	-0.1083
Gm14	4083318	4084310 Gmdrm	hypo	CHH	-0.0734
Gm14	4090706	4091478 Gmdrm	hypo	CHH	-0.0311
Gm14	4093331	4094010 Gmdrm	hypo	CHH	-0.0143
Gm14	4097460	4098425 Gmdrm	hypo	CHH	-0.0142
Gm14	4107453	4108453 Gmdrm	hypo	CHH	-0.0784
Gm14	4108454	4109418 Gmdrm	hypo	CHH	-0.0695
Gm14	4118100	4119098 Gmdrm	hypo	CHH	-0.1081
Gm14	4121852	4122272 Gmdrm	hypo	CHH	-0.0581
Gm14	4122635	4123625 Gmdrm	hypo	CHH	-0.0215
Gm14	4126873	4127872 Gmdrm	hypo	CHH	-0.0404
Gm14	4127878	4128875 Gmdrm	hypo	CHH	-0.0247
Gm14	4131534	4132523 Gmdrm	hypo	CHH	-0.0156
Gm14	4132536	4133533 Gmdrm	hypo	CHH	-0.0141
Gm14	4141391	4142377 Gmdrm	hypo	CHH	-0.0217
Gm14	4142392	4143387 Gmdrm	hypo	CHH	-0.0753
Gm14	4143393	4144387 Gmdrm	hypo	CHH	-0.0344
Gm14	4148502	4149493 Gmdrm	hypo	CHH	-0.0302
Gm14	4174205	4175196 Gmdrm	hypo	CHH	-0.0174
Gm14	4176701	4177696 Gmdrm	hypo	CHH	-0.0615
Gm14	4177702	4178651 Gmdrm	hypo	CHH	-0.1109
Gm14	4182034	4182134 Gmdrm	hypo	CHH	-0.0562
Gm14	4183105	4184070 Gmdrm	hypo	CHH	-0.0665
Gm14	4184125	4185124 Gmdrm	hypo	CHH	-0.1253
Gm14	4185126	4186124 Gmdrm	hypo	CHH	-0.043
Gm14	4186129	4187118 Gmdrm	hypo	CHH	-0.0485
Gm14	4187923	4188921 Gmdrm	hypo	CHH	-0.0244
Gm14	4199901	4200477 Gmdrm	hypo	CHH	-0.085
Gm14	4223306	4224305 Gmdrm	hypo	CHH	-0.0281
Gm14	4224307	4225286 Gmdrm	hypo	CHH	-0.0739
Gm14	4231891	4232860 Gmdrm	hypo	CHH	-0.017
Gm14	4237323	4238316 Gmdrm	hypo	CHH	-0.0506
Gm14	4242582	4243200 Gmdrm	hypo	CHH	-0.0766
Gm14	4243367	4244355 Gmdrm	hypo	CHH	-0.0401

Gm14	4327283	4327834	Gmdrm	hypo	CHH	-0.0175
Gm14	4339858	4340088	Gmdrm	hypo	CHH	-0.0409
Gm14	4352828	4353232	Gmdrm	hypo	CHH	-0.0306
Gm14	4353671	4354187	Gmdrm	hypo	CHH	-0.027
Gm14	4357118	4358117	Gmdrm	hypo	CHH	-0.1373
Gm14	4358119	4359018	Gmdrm	hypo	CHH	-0.1184
Gm14	4359244	4360182	Gmdrm	hypo	CHH	-0.0505
Gm14	4360264	4361263	Gmdrm	hypo	CHH	-0.0119
Gm14	4366527	4367200	Gmdrm	hypo	CHH	-0.0232
Gm14	4380113	4380284	Gmdrm	hypo	CHH	-0.0429
Gm14	4413712	4414712	Gmdrm	hypo	CHH	-0.0539
Gm14	4414714	4415685	Gmdrm	hypo	CHH	-0.0666
Gm14	4416795	4417774	Gmdrm	hypo	CHH	-0.0145
Gm14	4424808	4425808	Gmdrm	hypo	CHH	-0.0785
Gm14	4426812	4427809	Gmdrm	hypo	CHH	-0.0278
Gm14	4445505	4446478	Gmdrm	hypo	CHH	-0.034
Gm14	4451767	4452750	Gmdrm	hypo	CHH	-0.1402
Gm14	4453820	4454815	Gmdrm	hypo	CHH	-0.0305
Gm14	4454821	4455818	Gmdrm	hypo	CHH	-0.1164
Gm14	4455829	4456520	Gmdrm	hypo	CHH	-0.136
Gm14	4460968	4461949	Gmdrm	hypo	CHH	-0.0532
Gm14	4461981	4462972	Gmdrm	hypo	CHH	-0.0588
Gm14	4463999	4464983	Gmdrm	hypo	CHH	-0.2496
Gm14	4465588	4466551	Gmdrm	hypo	CHH	-0.0361
Gm14	4499252	4500249	Gmdrm	hypo	CHH	-0.054
Gm14	4500270	4501235	Gmdrm	hypo	CHH	-0.0183
Gm14	4518382	4519375	Gmdrm	hypo	CHH	-0.0191
Gm14	4548322	4548365	Gmdrm	hypo	CHH	-0.1344
Gm14	4548584	4549583	Gmdrm	hypo	CHH	-0.3148
Gm14	4549589	4550557	Gmdrm	hypo	CHH	-0.0457
Gm14	4554840	4555835	Gmdrm	hypo	CHH	-0.0222
Gm14	4563003	4564000	Gmdrm	hypo	CHH	-0.0322
Gm14	4567161	4568161	Gmdrm	hypo	CHH	-0.0225
Gm14	4569572	4570572	Gmdrm	hypo	CHH	-0.0959
Gm14	4570626	4571598	Gmdrm	hypo	CHH	-0.1986
Gm14	4571632	4572301	Gmdrm	hypo	CHH	-0.0559
Gm14	4583327	4584323	Gmdrm	hypo	CHH	-0.0224
Gm14	4584884	4585456	Gmdrm	hypo	CHH	-0.0378
Gm14	4586468	4587445	Gmdrm	hypo	CHH	-0.0564
Gm14	4588474	4589459	Gmdrm	hypo	CHH	-0.0849
Gm14	4591311	4592308	Gmdrm	hypo	CHH	-0.0268
Gm14	4592312	4593309	Gmdrm	hypo	CHH	-0.085
Gm14	4612735	4613732	Gmdrm	hypo	CHH	-0.0272
Gm14	4620791	4621789	Gmdrm	hypo	CHH	-0.0665
Gm14	4635804	4636769	Gmdrm	hypo	CHH	-0.015
Gm14	4642276	4643216	Gmdrm	hypo	CHH	-0.1634

Gm14	4654942	4655217 Gmdrm	hypo	CHH	-0.0353
Gm14	4660388	4661322 Gmdrm	hypo	CHH	-0.0101
Gm14	4670191	4671190 Gmdrm	hypo	CHH	-0.1992
Gm14	4672203	4672617 Gmdrm	hypo	CHH	-0.0753
Gm14	4673957	4674919 Gmdrm	hypo	CHH	-0.0209
Gm14	4676034	4677025 Gmdrm	hypo	CHH	-0.015
Gm14	4677038	4677438 Gmdrm	hypo	CHH	-0.0222
Gm14	4678268	4679268 Gmdrm	hypo	CHH	-0.0745
Gm14	4681281	4682273 Gmdrm	hypo	CHH	-0.0189
Gm14	4690855	4691850 Gmdrm	hypo	CHH	-0.0253
Gm14	4691870	4692870 Gmdrm	hypo	CHH	-0.1913
Gm14	4703563	4704536 Gmdrm	hypo	CHH	-0.0196
Gm14	4711202	4712198 Gmdrm	hypo	CHH	-0.0454
Gm14	4740070	4741049 Gmdrm	hypo	CHH	-0.0262
Gm14	4741079	4741562 Gmdrm	hypo	CHH	-0.0432
Gm14	4745863	4746846 Gmdrm	hypo	CHH	-0.0147
Gm14	4756517	4757344 Gmdrm	hypo	CHH	-0.4235
Gm14	4761102	4762101 Gmdrm	hypo	CHH	-0.07
Gm14	4762109	4762726 Gmdrm	hypo	CHH	-0.049
Gm14	4773015	4773961 Gmdrm	hypo	CHH	-0.0295
Gm14	4782244	4783244 Gmdrm	hypo	CHH	-0.0917
Gm14	4784949	4785945 Gmdrm	hypo	CHH	-0.0202
Gm14	4788152	4788225 Gmdrm	hypo	CHH	-0.0629
Gm14	4794955	4795953 Gmdrm	hypo	CHH	-0.0315
Gm14	4799318	4799576 Gmdrm	hypo	CHH	-0.1982
Gm14	4812293	4813292 Gmdrm	hypo	CHH	-0.0705
Gm14	4813294	4814289 Gmdrm	hypo	CHH	-0.0339
Gm14	4816397	4817343 Gmdrm	hypo	CHH	-0.0338
Gm14	4822764	4823764 Gmdrm	hypo	CHH	-0.0178
Gm14	4827856	4828851 Gmdrm	hypo	CHH	-0.0156
Gm14	4835519	4836464 Gmdrm	hypo	CHH	-0.0227
Gm14	4846531	4847517 Gmdrm	hypo	CHH	-0.0127
Gm14	4847558	4848556 Gmdrm	hypo	CHH	-0.0151
Gm14	4858029	4859023 Gmdrm	hypo	CHH	-0.0163
Gm14	4861451	4862209 Gmdrm	hypo	CHH	-0.0245
Gm14	4865202	4866201 Gmdrm	hypo	CHH	-0.0777
Gm14	4872176	4873164 Gmdrm	hypo	CHH	-0.02
Gm14	4873178	4874174 Gmdrm	hypo	CHH	-0.0377
Gm14	4874193	4875186 Gmdrm	hypo	CHH	-0.0517
Gm14	4875195	4875277 Gmdrm	hypo	CHH	-0.0667
Gm14	4881647	4882642 Gmdrm	hypo	CHH	-0.0175
Gm14	4896863	4897863 Gmdrm	hypo	CHH	-0.0784
Gm14	4897864	4898857 Gmdrm	hypo	CHH	-0.0625
Gm14	4909593	4910527 Gmdrm	hypo	CHH	-0.0236
Gm14	4914950	4915949 Gmdrm	hypo	CHH	-0.1225
Gm14	4915951	4916723 Gmdrm	hypo	CHH	-0.1893

Gm14	4924217	4925208 Gmdrm	hypo	CHH	-0.016
Gm14	4936109	4937095 Gmdrm	hypo	CHH	-0.0215
Gm14	4937135	4937606 Gmdrm	hypo	CHH	-0.0757
Gm14	4943950	4944950 Gmdrm	hypo	CHH	-0.0767
Gm14	4950050	4950192 Gmdrm	hypo	CHH	-0.0467
Gm14	4950300	4951296 Gmdrm	hypo	CHH	-0.0103
Gm14	4951324	4952320 Gmdrm	hypo	CHH	-0.03
Gm14	4956551	4956613 Gmdrm	hypo	CHH	-0.088
Gm14	4957797	4958296 Gmdrm	hypo	CHH	-0.0438
Gm14	4964433	4964602 Gmdrm	hypo	CHH	-0.0486
Gm14	4965717	4966153 Gmdrm	hypo	CHH	-0.0246
Gm14	4969603	4970594 Gmdrm	hypo	CHH	-0.1213
Gm14	4980360	4981338 Gmdrm	hypo	CHH	-0.1984
Gm14	5013719	5014090 Gmdrm	hypo	CHH	-0.0373
Gm14	5019814	5020809 Gmdrm	hypo	CHH	-0.1196
Gm14	5020822	5021818 Gmdrm	hypo	CHH	-0.042
Gm14	5021827	5022822 Gmdrm	hypo	CHH	-0.0643
Gm14	5028042	5028527 Gmdrm	hypo	CHH	-0.028
Gm14	5046984	5047949 Gmdrm	hypo	CHH	-0.0299
Gm14	5049590	5050589 Gmdrm	hypo	CHH	-0.2003
Gm14	5054657	5055430 Gmdrm	hypo	CHH	-0.0169
Gm14	5059337	5060277 Gmdrm	hypo	CHH	-0.0132
Gm14	5063232	5063818 Gmdrm	hypo	CHH	-0.0176
Gm14	5073459	5074448 Gmdrm	hypo	CHH	-0.0671
Gm14	5074462	5075451 Gmdrm	hypo	CHH	-0.0556
Gm14	5079540	5080532 Gmdrm	hypo	CHH	-0.03
Gm14	5084084	5085081 Gmdrm	hypo	CHH	-0.0509
Gm14	5091671	5092596 Gmdrm	hypo	CHH	-0.0308
Gm14	5099164	5100164 Gmdrm	hypo	CHH	-0.0426
Gm14	5108038	5109036 Gmdrm	hypo	CHH	-0.094
Gm14	5110114	5110863 Gmdrm	hypo	CHH	-0.0225
Gm14	5116148	5117136 Gmdrm	hypo	CHH	-0.0157
Gm14	5121663	5122646 Gmdrm	hypo	CHH	-0.0181
Gm14	5122695	5123690 Gmdrm	hypo	CHH	-0.0142
Gm14	5144466	5145466 Gmdrm	hypo	CHH	-0.0762
Gm14	5146221	5147206 Gmdrm	hypo	CHH	-0.0767
Gm14	5148231	5149215 Gmdrm	hypo	CHH	-0.048
Gm14	5152261	5153220 Gmdrm	hypo	CHH	-0.0202
Gm14	5153982	5154124 Gmdrm	hypo	CHH	-0.085
Gm14	5172318	5173316 Gmdrm	hypo	CHH	-0.0713
Gm14	5173320	5174318 Gmdrm	hypo	CHH	-0.1316
Gm14	5186401	5187381 Gmdrm	hypo	CHH	-0.237
Gm14	5187405	5188366 Gmdrm	hypo	CHH	-0.286
Gm14	5194526	5195526 Gmdrm	hypo	CHH	-0.012
Gm14	5195548	5196275 Gmdrm	hypo	CHH	-0.0181
Gm14	5207802	5208791 Gmdrm	hypo	CHH	-0.2991

Gm14	5211886	5212874	Gmdrm	hypo	CHH	-0.1181
Gm14	5223201	5224179	Gmdrm	hypo	CHH	-0.0213
Gm14	5224311	5225309	Gmdrm	hypo	CHH	-0.0411
Gm14	5225312	5226186	Gmdrm	hypo	CHH	-0.0493
Gm14	5241753	5242689	Gmdrm	hypo	CHH	-0.0133
Gm14	5243771	5244761	Gmdrm	hypo	CHH	-0.0156
Gm14	5251702	5252341	Gmdrm	hypo	CHH	-0.0298
Gm14	5259910	5260472	Gmdrm	hypo	CHH	-0.0152
Gm14	5274574	5275523	Gmdrm	hypo	CHH	-0.0162
Gm14	5277583	5277827	Gmdrm	hypo	CHH	-0.0474
Gm14	5285007	5285961	Gmdrm	hypo	CHH	-0.0218
Gm14	5287348	5288323	Gmdrm	hypo	CHH	-0.0245
Gm14	5299376	5299912	Gmdrm	hypo	CHH	-0.1205
Gm14	5337819	5338778	Gmdrm	hypo	CHH	-0.0245
Gm14	5340348	5341288	Gmdrm	hypo	CHH	-0.0256
Gm14	5346612	5347602	Gmdrm	hypo	CHH	-0.0905
Gm14	5347614	5348590	Gmdrm	hypo	CHH	-0.0493
Gm14	5349658	5350654	Gmdrm	hypo	CHH	-0.1556
Gm14	5350662	5351650	Gmdrm	hypo	CHH	-0.1331
Gm14	5351670	5352660	Gmdrm	hypo	CHH	-0.1023
Gm14	5352672	5353671	Gmdrm	hypo	CHH	-0.3009
Gm14	5355780	5356768	Gmdrm	hypo	CHH	-0.0231
Gm14	5379723	5380247	Gmdrm	hypo	CHH	-0.0219
Gm14	5410644	5411643	Gmdrm	hypo	CHH	-0.0869
Gm14	5411646	5412640	Gmdrm	hypo	CHH	-0.0386
Gm14	5413667	5414666	Gmdrm	hypo	CHH	-0.0481
Gm14	5414669	5415598	Gmdrm	hypo	CHH	-0.0387
Gm14	5415706	5416693	Gmdrm	hypo	CHH	-0.1346
Gm14	5416725	5417707	Gmdrm	hypo	CHH	-0.0765
Gm14	5420476	5421452	Gmdrm	hypo	CHH	-0.029
Gm14	5431269	5432250	Gmdrm	hypo	CHH	-0.3967
Gm14	5437316	5438314	Gmdrm	hypo	CHH	-0.0233
Gm14	5438331	5439296	Gmdrm	hypo	CHH	-0.0462
Gm14	5443248	5443646	Gmdrm	hypo	CHH	-0.0179
Gm14	5475301	5476289	Gmdrm	hypo	CHH	-0.0195
Gm14	5480405	5481057	Gmdrm	hypo	CHH	-0.02
Gm14	5484417	5485293	Gmdrm	hypo	CHH	-0.0232
Gm14	5490720	5491719	Gmdrm	hypo	CHH	-0.0452
Gm14	5495796	5496736	Gmdrm	hypo	CHH	-0.3066
Gm14	5509613	5510599	Gmdrm	hypo	CHH	-0.0529
Gm14	5517564	5518007	Gmdrm	hypo	CHH	-0.1162
Gm14	5519140	5519354	Gmdrm	hypo	CHH	-0.0253
Gm14	5523757	5524743	Gmdrm	hypo	CHH	-0.061
Gm14	5525405	5526395	Gmdrm	hypo	CHH	-0.0335
Gm14	5526406	5527401	Gmdrm	hypo	CHH	-0.0382
Gm14	5530400	5531392	Gmdrm	hypo	CHH	-0.0136

Gm14	5533850	5534838 Gmdrm	hypo	CHH	-0.1245
Gm14	5538017	5538994 Gmdrm	hypo	CHH	-0.097
Gm14	5541579	5541757 Gmdrm	hypo	CHH	-0.1036
Gm14	5549298	5550294 Gmdrm	hypo	CHH	-0.0808
Gm14	5559434	5560433 Gmdrm	hypo	CHH	-0.0534
Gm14	5564470	5564878 Gmdrm	hypo	CHH	-0.0259
Gm14	5578127	5579124 Gmdrm	hypo	CHH	-0.1469
Gm14	5595588	5596036 Gmdrm	hypo	CHH	-0.0325
Gm14	5596436	5597428 Gmdrm	hypo	CHH	-0.0171
Gm14	5607910	5608904 Gmdrm	hypo	CHH	-0.0332
Gm14	5622743	5623739 Gmdrm	hypo	CHH	-0.0144
Gm14	5623757	5624574 Gmdrm	hypo	CHH	-0.0164
Gm14	5627485	5628485 Gmdrm	hypo	CHH	-0.0214
Gm14	5651102	5652096 Gmdrm	hypo	CHH	-0.0189
Gm14	5656617	5657603 Gmdrm	hypo	CHH	-0.0515
Gm14	5657652	5658643 Gmdrm	hypo	CHH	-0.0822
Gm14	5668647	5669636 Gmdrm	hypo	CHH	-0.014
Gm14	5686120	5687108 Gmdrm	hypo	CHH	-0.2493
Gm14	5700809	5701805 Gmdrm	hypo	CHH	-0.0646
Gm14	5701812	5702807 Gmdrm	hypo	CHH	-0.069
Gm14	5703819	5704809 Gmdrm	hypo	CHH	-0.0103
Gm14	5704821	5705786 Gmdrm	hypo	CHH	-0.0183
Gm14	5705835	5706831 Gmdrm	hypo	CHH	-0.0286
Gm14	5708003	5709000 Gmdrm	hypo	CHH	-0.195
Gm14	5709008	5710001 Gmdrm	hypo	CHH	-0.0971
Gm14	5710016	5710622 Gmdrm	hypo	CHH	-0.3121
Gm14	5713256	5714255 Gmdrm	hypo	CHH	-0.024
Gm14	5714259	5715258 Gmdrm	hypo	CHH	-0.0244
Gm14	5723013	5724012 Gmdrm	hypo	CHH	-0.1055
Gm14	5729619	5729945 Gmdrm	hypo	CHH	-0.0324
Gm14	5738869	5739836 Gmdrm	hypo	CHH	-0.0713
Gm14	5747021	5747577 Gmdrm	hypo	CHH	-0.0183
Gm14	5756577	5757576 Gmdrm	hypo	CHH	-0.0361
Gm14	5757589	5757766 Gmdrm	hypo	CHH	-0.0179
Gm14	5759962	5760945 Gmdrm	hypo	CHH	-0.0458
Gm14	5766892	5767891 Gmdrm	hypo	CHH	-0.0189
Gm14	5769917	5770616 Gmdrm	hypo	CHH	-0.0184
Gm14	5786803	5787086 Gmdrm	hypo	CHH	-0.0375
Gm14	5793182	5794180 Gmdrm	hypo	CHH	-0.0139
Gm14	5794204	5795099 Gmdrm	hypo	CHH	-0.0126
Gm14	5803165	5803394 Gmdrm	hypo	CHH	-0.0406
Gm14	5812930	5813913 Gmdrm	hypo	CHH	-0.0175
Gm14	5825463	5826463 Gmdrm	hypo	CHH	-0.0419
Gm14	5831247	5832185 Gmdrm	hypo	CHH	-0.0135
Gm14	5837193	5838192 Gmdrm	hypo	CHH	-0.0437
Gm14	5839217	5840197 Gmdrm	hypo	CHH	-0.0457

Gm14	5840220	5840350 Gmdrm	hypo	CHH	-0.1021
Gm14	5841204	5842194 Gmdrm	hypo	CHH	-0.0518
Gm14	5852108	5853075 Gmdrm	hypo	CHH	-0.0354
Gm14	5859749	5860704 Gmdrm	hypo	CHH	-0.0176
Gm14	5864758	5865505 Gmdrm	hypo	CHH	-0.0323
Gm14	5866853	5867853 Gmdrm	hypo	CHH	-0.1075
Gm14	5867857	5868851 Gmdrm	hypo	CHH	-0.0615
Gm14	5876042	5877026 Gmdrm	hypo	CHH	-0.0645
Gm14	5879496	5880491 Gmdrm	hypo	CHH	-0.0171
Gm14	5884615	5885606 Gmdrm	hypo	CHH	-0.0254
Gm14	5890840	5891773 Gmdrm	hypo	CHH	-0.0484
Gm14	5908092	5908261 Gmdrm	hypo	CHH	-0.0236
Gm14	5910325	5911325 Gmdrm	hypo	CHH	-0.0368
Gm14	5911600	5912600 Gmdrm	hypo	CHH	-0.0474
Gm14	5920254	5921248 Gmdrm	hypo	CHH	-0.0181
Gm14	5924218	5925215 Gmdrm	hypo	CHH	-0.0282
Gm14	5929490	5929986 Gmdrm	hypo	CHH	-0.0597
Gm14	5932494	5933473 Gmdrm	hypo	CHH	-0.0091
Gm14	5938535	5939533 Gmdrm	hypo	CHH	-0.0158
Gm14	5943747	5943913 Gmdrm	hypo	CHH	-0.0538
Gm14	5951402	5952382 Gmdrm	hypo	CHH	-0.0165
Gm14	5954160	5955157 Gmdrm	hypo	CHH	-0.0188
Gm14	5959501	5960493 Gmdrm	hypo	CHH	-0.0162
Gm14	5961541	5961880 Gmdrm	hypo	CHH	-0.0342
Gm14	5965292	5966283 Gmdrm	hypo	CHH	-0.057
Gm14	5966313	5967312 Gmdrm	hypo	CHH	-0.0322
Gm14	5967318	5968316 Gmdrm	hypo	CHH	-0.0395
Gm14	5973710	5974710 Gmdrm	hypo	CHH	-0.1233
Gm14	5974713	5975711 Gmdrm	hypo	CHH	-0.1782
Gm14	5975715	5976713 Gmdrm	hypo	CHH	-0.0676
Gm14	5978575	5979573 Gmdrm	hypo	CHH	-0.1506
Gm14	5979577	5980565 Gmdrm	hypo	CHH	-0.2009
Gm14	5998738	5999729 Gmdrm	hypo	CHH	-0.0113
Gm14	5999744	6000717 Gmdrm	hypo	CHH	-0.2083
Gm14	6011647	6012630 Gmdrm	hypo	CHH	-0.0208
Gm14	6012653	6013633 Gmdrm	hypo	CHH	-0.0503
Gm14	6015749	6016749 Gmdrm	hypo	CHH	-0.052
Gm14	6032907	6033862 Gmdrm	hypo	CHH	-0.0157
Gm14	6033921	6034921 Gmdrm	hypo	CHH	-0.0202
Gm14	6037131	6038124 Gmdrm	hypo	CHH	-0.1666
Gm14	6041450	6042449 Gmdrm	hypo	CHH	-0.177
Gm14	6044583	6045580 Gmdrm	hypo	CHH	-0.1451
Gm14	6046605	6047602 Gmdrm	hypo	CHH	-0.0197
Gm14	6048093	6049093 Gmdrm	hypo	CHH	-0.0171
Gm14	6049129	6050122 Gmdrm	hypo	CHH	-0.0525
Gm14	6052162	6053156 Gmdrm	hypo	CHH	-0.0157

Gm14	6067214	6068188 Gmdrm	hypo	CHH	-0.0209
Gm14	6091776	6092175 Gmdrm	hypo	CHH	-0.0296
Gm14	6092289	6093277 Gmdrm	hypo	CHH	-0.0164
Gm14	6102932	6103631 Gmdrm	hypo	CHH	-0.0214
Gm14	6109765	6110761 Gmdrm	hypo	CHH	-0.0142
Gm14	6111791	6112790 Gmdrm	hypo	CHH	-0.0268
Gm14	6114821	6115571 Gmdrm	hypo	CHH	-0.1429
Gm14	6118307	6119294 Gmdrm	hypo	CHH	-0.0512
Gm14	6121075	6122059 Gmdrm	hypo	CHH	-0.1078
Gm14	6122085	6123046 Gmdrm	hypo	CHH	-0.1397
Gm14	6132655	6133655 Gmdrm	hypo	CHH	-0.0414
Gm14	6133661	6134651 Gmdrm	hypo	CHH	-0.0155
Gm14	6138101	6138479 Gmdrm	hypo	CHH	-0.0185
Gm14	6150010	6150973 Gmdrm	hypo	CHH	-0.015
Gm14	6153121	6153516 Gmdrm	hypo	CHH	-0.07
Gm14	6160865	6161093 Gmdrm	hypo	CHH	-0.0327
Gm14	6166481	6167470 Gmdrm	hypo	CHH	-0.015
Gm14	6181153	6181377 Gmdrm	hypo	CHH	-0.046
Gm14	6181479	6182397 Gmdrm	hypo	CHH	-0.0214
Gm14	6183513	6184480 Gmdrm	hypo	CHH	-0.0241
Gm14	6186551	6187187 Gmdrm	hypo	CHH	-0.0141
Gm14	6189844	6190824 Gmdrm	hypo	CHH	-0.122
Gm14	6191243	6192238 Gmdrm	hypo	CHH	-0.0147
Gm14	6203916	6204905 Gmdrm	hypo	CHH	-0.1149
Gm14	6217100	6218096 Gmdrm	hypo	CHH	-0.0345
Gm14	6223898	6224877 Gmdrm	hypo	CHH	-0.035
Gm14	6225958	6226957 Gmdrm	hypo	CHH	-0.0173
Gm14	6226980	6227979 Gmdrm	hypo	CHH	-0.0481
Gm14	6231488	6232481 Gmdrm	hypo	CHH	-0.0491
Gm14	6232490	6233472 Gmdrm	hypo	CHH	-0.0387
Gm14	6239900	6240873 Gmdrm	hypo	CHH	-0.0209
Gm14	6240905	6241901 Gmdrm	hypo	CHH	-0.0489
Gm14	6243926	6244925 Gmdrm	hypo	CHH	-0.0948
Gm14	6244934	6245919 Gmdrm	hypo	CHH	-0.0557
Gm14	6249405	6249989 Gmdrm	hypo	CHH	-0.032
Gm14	6284107	6285107 Gmdrm	hypo	CHH	-0.0314
Gm14	6286128	6287126 Gmdrm	hypo	CHH	-0.0498
Gm14	6287134	6288123 Gmdrm	hypo	CHH	-0.0286
Gm14	6289034	6289996 Gmdrm	hypo	CHH	-0.0414
Gm14	6290118	6291118 Gmdrm	hypo	CHH	-0.0494
Gm14	6291121	6292110 Gmdrm	hypo	CHH	-0.0463
Gm14	6292143	6293140 Gmdrm	hypo	CHH	-0.0172
Gm14	6299239	6300238 Gmdrm	hypo	CHH	-0.0604
Gm14	6322330	6322638 Gmdrm	hypo	CHH	-0.0388
Gm14	6333569	6334557 Gmdrm	hypo	CHH	-0.016
Gm14	6347545	6348521 Gmdrm	hypo	CHH	-0.0846

Gm14	6350585	6351229 Gmdrm	hypo	CHH	-0.1833
Gm14	6363249	6363641 Gmdrm	hypo	CHH	-0.0224
Gm14	6371782	6372780 Gmdrm	hypo	CHH	-0.0441
Gm14	6372783	6373775 Gmdrm	hypo	CHH	-0.0464
Gm14	6373784	6374584 Gmdrm	hypo	CHH	-0.1344
Gm14	6375917	6376911 Gmdrm	hypo	CHH	-0.1422
Gm14	6383351	6384342 Gmdrm	hypo	CHH	-0.0619
Gm14	6385391	6386358 Gmdrm	hypo	CHH	-0.0926
Gm14	6387893	6388871 Gmdrm	hypo	CHH	-0.0244
Gm14	6388930	6389918 Gmdrm	hypo	CHH	-0.0646
Gm14	6389934	6390912 Gmdrm	hypo	CHH	-0.0887
Gm14	6391642	6392598 Gmdrm	hypo	CHH	-0.0217
Gm14	6402559	6403537 Gmdrm	hypo	CHH	-0.0153
Gm14	6403565	6403994 Gmdrm	hypo	CHH	-0.0307
Gm14	6413551	6414154 Gmdrm	hypo	CHH	-0.0236
Gm14	6420006	6420979 Gmdrm	hypo	CHH	-0.0314
Gm14	6423085	6424068 Gmdrm	hypo	CHH	-0.1923
Gm14	6441272	6442266 Gmdrm	hypo	CHH	-0.1821
Gm14	6442277	6443271 Gmdrm	hypo	CHH	-0.0716
Gm14	6443283	6444247 Gmdrm	hypo	CHH	-0.1895
Gm14	6448654	6449654 Gmdrm	hypo	CHH	-0.0156
Gm14	6456672	6457670 Gmdrm	hypo	CHH	-0.0546
Gm14	6457980	6458899 Gmdrm	hypo	CHH	-0.0654
Gm14	6460323	6461315 Gmdrm	hypo	CHH	-0.0691
Gm14	6465160	6466152 Gmdrm	hypo	CHH	-0.015
Gm14	6486488	6487475 Gmdrm	hypo	CHH	-0.0165
Gm14	6492822	6493809 Gmdrm	hypo	CHH	-0.1213
Gm14	6504829	6505828 Gmdrm	hypo	CHH	-0.0123
Gm14	6507012	6507969 Gmdrm	hypo	CHH	-0.0143
Gm14	6509253	6510252 Gmdrm	hypo	CHH	-0.0533
Gm14	6511263	6512250 Gmdrm	hypo	CHH	-0.0251
Gm14	6515500	6516475 Gmdrm	hypo	CHH	-0.018
Gm14	6535324	6536302 Gmdrm	hypo	CHH	-0.018
Gm14	6543463	6544446 Gmdrm	hypo	CHH	-0.1928
Gm14	6552067	6553039 Gmdrm	hypo	CHH	-0.104
Gm14	6564782	6565757 Gmdrm	hypo	CHH	-0.0158
Gm14	6569389	6569907 Gmdrm	hypo	CHH	-0.03
Gm14	6577188	6577349 Gmdrm	hypo	CHH	-0.0433
Gm14	6577622	6578621 Gmdrm	hypo	CHH	-0.0739
Gm14	6578624	6579624 Gmdrm	hypo	CHH	-0.0668
Gm14	6579627	6580615 Gmdrm	hypo	CHH	-0.0388
Gm14	6580634	6581596 Gmdrm	hypo	CHH	-0.0668
Gm14	6582644	6583642 Gmdrm	hypo	CHH	-0.0414
Gm14	6583650	6584579 Gmdrm	hypo	CHH	-0.0594
Gm14	6603367	6603927 Gmdrm	hypo	CHH	-0.0241
Gm14	6615983	6616967 Gmdrm	hypo	CHH	-0.0226

Gm14	6627095	6628091	Gmdrm	hypo	CHH	-0.0106
Gm14	6632432	6633430	Gmdrm	hypo	CHH	-0.0252
Gm14	6642000	6642994	Gmdrm	hypo	CHH	-0.0312
Gm14	6648621	6649614	Gmdrm	hypo	CHH	-0.0354
Gm14	6649622	6650613	Gmdrm	hypo	CHH	-0.0778
Gm14	6650627	6651613	Gmdrm	hypo	CHH	-0.0694
Gm14	6656929	6657914	Gmdrm	hypo	CHH	-0.0212
Gm14	6657932	6658580	Gmdrm	hypo	CHH	-0.0682
Gm14	6665374	6666368	Gmdrm	hypo	CHH	-0.0404
Gm14	6668525	6669114	Gmdrm	hypo	CHH	-0.0296
Gm14	6698857	6699852	Gmdrm	hypo	CHH	-0.0428
Gm14	6701887	6702360	Gmdrm	hypo	CHH	-0.05
Gm14	6702482	6703464	Gmdrm	hypo	CHH	-0.0543
Gm14	6703485	6704442	Gmdrm	hypo	CHH	-0.0877
Gm14	6705516	6706514	Gmdrm	hypo	CHH	-0.0681
Gm14	6706525	6707503	Gmdrm	hypo	CHH	-0.0391
Gm14	6710576	6711573	Gmdrm	hypo	CHH	-0.015
Gm14	6720727	6721724	Gmdrm	hypo	CHH	-0.0705
Gm14	6721732	6722716	Gmdrm	hypo	CHH	-0.0763
Gm14	6722777	6723766	Gmdrm	hypo	CHH	-0.0829
Gm14	6726553	6727510	Gmdrm	hypo	CHH	-0.0202
Gm14	6727828	6728205	Gmdrm	hypo	CHH	-0.0574
Gm14	6742569	6743565	Gmdrm	hypo	CHH	-0.1874
Gm14	6749054	6749973	Gmdrm	hypo	CHH	-0.0685
Gm14	6750766	6751758	Gmdrm	hypo	CHH	-0.0342
Gm14	6751771	6752763	Gmdrm	hypo	CHH	-0.0121
Gm14	6760683	6761656	Gmdrm	hypo	CHH	-0.0279
Gm14	6762939	6763640	Gmdrm	hypo	CHH	-0.0418
Gm14	6770431	6771383	Gmdrm	hypo	CHH	-0.1067
Gm14	6772716	6773714	Gmdrm	hypo	CHH	-0.0737
Gm14	6773725	6774724	Gmdrm	hypo	CHH	-0.1168
Gm14	6794752	6795737	Gmdrm	hypo	CHH	-0.1525
Gm14	6795754	6796738	Gmdrm	hypo	CHH	-0.0368
Gm14	6799948	6800938	Gmdrm	hypo	CHH	-0.0224
Gm14	6820287	6821284	Gmdrm	hypo	CHH	-0.0833
Gm14	6821288	6822260	Gmdrm	hypo	CHH	-0.0827
Gm14	6846877	6847865	Gmdrm	hypo	CHH	-0.0256
Gm14	6847878	6848847	Gmdrm	hypo	CHH	-0.0781
Gm14	6851110	6852106	Gmdrm	hypo	CHH	-0.0568
Gm14	6861040	6861152	Gmdrm	hypo	CHH	-0.0587
Gm14	6865335	6865750	Gmdrm	hypo	CHH	-0.0574
Gm14	6868227	6869226	Gmdrm	hypo	CHH	-0.0221
Gm14	6870271	6871256	Gmdrm	hypo	CHH	-0.0181
Gm14	6871276	6872261	Gmdrm	hypo	CHH	-0.0137
Gm14	6874951	6875313	Gmdrm	hypo	CHH	-0.0377
Gm14	6875478	6876478	Gmdrm	hypo	CHH	-0.0642

Gm14	6895970	6896893	Gmdrm	hypo	CHH	-0.0322
Gm14	6914384	6915122	Gmdrm	hypo	CHH	-0.0323
Gm14	6915356	6916093	Gmdrm	hypo	CHH	-0.0226
Gm14	6919073	6920070	Gmdrm	hypo	CHH	-0.0485
Gm14	6920087	6921067	Gmdrm	hypo	CHH	-0.0428
Gm14	6921646	6921793	Gmdrm	hypo	CHH	-0.0533
Gm14	6929879	6930871	Gmdrm	hypo	CHH	-0.04
Gm14	6946168	6947167	Gmdrm	hypo	CHH	-0.191
Gm14	6949627	6950616	Gmdrm	hypo	CHH	-0.0252
Gm14	6950637	6951620	Gmdrm	hypo	CHH	-0.0229
Gm14	6951715	6952705	Gmdrm	hypo	CHH	-0.0536
Gm14	6960761	6961293	Gmdrm	hypo	CHH	-0.1451
Gm14	6962643	6963643	Gmdrm	hypo	CHH	-0.012
Gm14	6964697	6965681	Gmdrm	hypo	CHH	-0.0255
Gm14	6969801	6970789	Gmdrm	hypo	CHH	-0.0224
Gm14	6971966	6972866	Gmdrm	hypo	CHH	-0.0256
Gm14	6975739	6976733	Gmdrm	hypo	CHH	-0.0271
Gm14	6976743	6977743	Gmdrm	hypo	CHH	-0.0844
Gm14	6979856	6980833	Gmdrm	hypo	CHH	-0.0169
Gm14	6980870	6981853	Gmdrm	hypo	CHH	-0.069
Gm14	6995154	6996148	Gmdrm	hypo	CHH	-0.0169
Gm14	7015143	7016134	Gmdrm	hypo	CHH	-0.0544
Gm14	7032732	7033728	Gmdrm	hypo	CHH	-0.0839
Gm14	7039153	7040147	Gmdrm	hypo	CHH	-0.0172
Gm14	7047524	7048050	Gmdrm	hypo	CHH	-0.0185
Gm14	7062807	7063364	Gmdrm	hypo	CHH	-0.0163
Gm14	7077637	7078341	Gmdrm	hypo	CHH	-0.0969
Gm14	7084309	7084409	Gmdrm	hypo	CHH	-0.0444
Gm14	7090271	7090951	Gmdrm	hypo	CHH	-0.0241
Gm14	7096147	7097136	Gmdrm	hypo	CHH	-0.0784
Gm14	7097169	7098132	Gmdrm	hypo	CHH	-0.2318
Gm14	7098218	7098495	Gmdrm	hypo	CHH	-0.024
Gm14	7099034	7100029	Gmdrm	hypo	CHH	-0.0576
Gm14	7100046	7101024	Gmdrm	hypo	CHH	-0.1194
Gm14	7106853	7107836	Gmdrm	hypo	CHH	-0.0255
Gm14	7107861	7108853	Gmdrm	hypo	CHH	-0.0175
Gm14	7111912	7112884	Gmdrm	hypo	CHH	-0.1005
Gm14	7117846	7118451	Gmdrm	hypo	CHH	-0.087
Gm14	7118561	7119557	Gmdrm	hypo	CHH	-0.02
Gm14	7119923	7120902	Gmdrm	hypo	CHH	-0.1632
Gm14	7120943	7121922	Gmdrm	hypo	CHH	-0.0279
Gm14	7139283	7140281	Gmdrm	hypo	CHH	-0.0097
Gm14	7143492	7144476	Gmdrm	hypo	CHH	-0.0217
Gm14	7163484	7164480	Gmdrm	hypo	CHH	-0.0116
Gm14	7164485	7165419	Gmdrm	hypo	CHH	-0.0145
Gm14	7170057	7171051	Gmdrm	hypo	CHH	-0.0182

Gm14	7180207	7181204	Gmdrm	hypo	CHH	-0.0363
Gm14	7181218	7182217	Gmdrm	hypo	CHH	-0.0322
Gm14	7192378	7193375	Gmdrm	hypo	CHH	-0.0204
Gm14	7194527	7195512	Gmdrm	hypo	CHH	-0.0994
Gm14	7195529	7196509	Gmdrm	hypo	CHH	-0.0641
Gm14	7200678	7201668	Gmdrm	hypo	CHH	-0.1186
Gm14	7202694	7203691	Gmdrm	hypo	CHH	-0.2595
Gm14	7212151	7213062	Gmdrm	hypo	CHH	-0.05
Gm14	7226082	7227077	Gmdrm	hypo	CHH	-0.0156
Gm14	7234865	7235842	Gmdrm	hypo	CHH	-0.032
Gm14	7236621	7237599	Gmdrm	hypo	CHH	-0.0164
Gm14	7238642	7239641	Gmdrm	hypo	CHH	-0.0121
Gm14	7240439	7241429	Gmdrm	hypo	CHH	-0.0146
Gm14	7242348	7243345	Gmdrm	hypo	CHH	-0.1154
Gm14	7243353	7244331	Gmdrm	hypo	CHH	-0.149
Gm14	7249961	7250188	Gmdrm	hypo	CHH	-0.1484
Gm14	7252652	7253652	Gmdrm	hypo	CHH	-0.1445
Gm14	7255686	7256374	Gmdrm	hypo	CHH	-0.1305
Gm14	7268040	7269034	Gmdrm	hypo	CHH	-0.0524
Gm14	7269052	7270048	Gmdrm	hypo	CHH	-0.0265
Gm14	7272063	7273059	Gmdrm	hypo	CHH	-0.0867
Gm14	7273065	7273403	Gmdrm	hypo	CHH	-0.2521
Gm14	7279924	7280909	Gmdrm	hypo	CHH	-0.0277
Gm14	7284979	7285975	Gmdrm	hypo	CHH	-0.0461
Gm14	7285980	7286974	Gmdrm	hypo	CHH	-0.135
Gm14	7292472	7293461	Gmdrm	hypo	CHH	-0.0407
Gm14	7293476	7294473	Gmdrm	hypo	CHH	-0.0903
Gm14	7294485	7295485	Gmdrm	hypo	CHH	-0.0672
Gm14	7302046	7303028	Gmdrm	hypo	CHH	-0.0495
Gm14	7303057	7304055	Gmdrm	hypo	CHH	-0.0499
Gm14	7324210	7325199	Gmdrm	hypo	CHH	-0.2742
Gm14	7330872	7331172	Gmdrm	hypo	CHH	-0.025
Gm14	7332641	7333634	Gmdrm	hypo	CHH	-0.0417
Gm14	7355371	7356358	Gmdrm	hypo	CHH	-0.4346
Gm14	7360854	7361083	Gmdrm	hypo	CHH	-0.0722
Gm14	7361378	7361629	Gmdrm	hypo	CHH	-0.072
Gm14	7374950	7375936	Gmdrm	hypo	CHH	-0.0384
Gm14	7383250	7384248	Gmdrm	hypo	CHH	-0.117
Gm14	7384251	7384865	Gmdrm	hypo	CHH	-0.0949
Gm14	7384983	7385954	Gmdrm	hypo	CHH	-0.2085
Gm14	7397486	7397797	Gmdrm	hypo	CHH	-0.0463
Gm14	7399033	7400032	Gmdrm	hypo	CHH	-0.2474
Gm14	7402088	7402854	Gmdrm	hypo	CHH	-0.0251
Gm14	7403037	7403985	Gmdrm	hypo	CHH	-0.1264
Gm14	7404524	7405518	Gmdrm	hypo	CHH	-0.1727
Gm14	7405535	7406533	Gmdrm	hypo	CHH	-0.0952

Gm14	7406549	7407524 Gmdrm	hypo	CHH	-0.0876
Gm14	7407550	7408529 Gmdrm	hypo	CHH	-0.1
Gm14	7409604	7410569 Gmdrm	hypo	CHH	-0.0472
Gm14	7410605	7411590 Gmdrm	hypo	CHH	-0.08
Gm14	7419559	7420427 Gmdrm	hypo	CHH	-0.0205
Gm14	7426116	7427099 Gmdrm	hypo	CHH	-0.0755
Gm14	7427130	7428128 Gmdrm	hypo	CHH	-0.0141
Gm14	7432971	7433932 Gmdrm	hypo	CHH	-0.0166
Gm14	7436284	7436961 Gmdrm	hypo	CHH	-0.0151
Gm14	7437127	7438119 Gmdrm	hypo	CHH	-0.0336
Gm14	7438145	7439129 Gmdrm	hypo	CHH	-0.2559
Gm14	7456162	7457154 Gmdrm	hypo	CHH	-0.0592
Gm14	7458601	7459595 Gmdrm	hypo	CHH	-0.0748
Gm14	7459603	7460597 Gmdrm	hypo	CHH	-0.0908
Gm14	7461975	7462966 Gmdrm	hypo	CHH	-0.0345
Gm14	7464401	7464944 Gmdrm	hypo	CHH	-0.377
Gm14	7465065	7465789 Gmdrm	hypo	CHH	-0.0457
Gm14	7471839	7472831 Gmdrm	hypo	CHH	-0.1159
Gm14	7473399	7474398 Gmdrm	hypo	CHH	-0.0246
Gm14	7477931	7478205 Gmdrm	hypo	CHH	-0.03
Gm14	7479351	7480348 Gmdrm	hypo	CHH	-0.0158
Gm14	7481376	7481727 Gmdrm	hypo	CHH	-0.0197
Gm14	7482859	7483329 Gmdrm	hypo	CHH	-0.0662
Gm14	7485536	7486534 Gmdrm	hypo	CHH	-0.0337
Gm14	7486543	7487542 Gmdrm	hypo	CHH	-0.0252
Gm14	7491478	7492462 Gmdrm	hypo	CHH	-0.0864
Gm14	7493520	7494520 Gmdrm	hypo	CHH	-0.1934
Gm14	7494523	7495511 Gmdrm	hypo	CHH	-0.221
Gm14	7498313	7499257 Gmdrm	hypo	CHH	-0.0962
Gm14	7519500	7520437 Gmdrm	hypo	CHH	-0.0166
Gm14	7520558	7520797 Gmdrm	hypo	CHH	-0.0512
Gm14	7523175	7524162 Gmdrm	hypo	CHH	-0.0571
Gm14	7525177	7526167 Gmdrm	hypo	CHH	-0.1033
Gm14	7527198	7528196 Gmdrm	hypo	CHH	-0.0468
Gm14	7531218	7531962 Gmdrm	hypo	CHH	-0.0482
Gm14	7536109	7537107 Gmdrm	hypo	CHH	-0.1305
Gm14	7537110	7538105 Gmdrm	hypo	CHH	-0.0525
Gm14	7542315	7543304 Gmdrm	hypo	CHH	-0.0148
Gm14	7544319	7545295 Gmdrm	hypo	CHH	-0.0324
Gm14	7549726	7550723 Gmdrm	hypo	CHH	-0.0827
Gm14	7551750	7552742 Gmdrm	hypo	CHH	-0.1415
Gm14	7554301	7555244 Gmdrm	hypo	CHH	-0.0302
Gm14	7564858	7565856 Gmdrm	hypo	CHH	-0.0433
Gm14	7575901	7576896 Gmdrm	hypo	CHH	-0.0144
Gm14	7576904	7577900 Gmdrm	hypo	CHH	-0.0975
Gm14	7577919	7578917 Gmdrm	hypo	CHH	-0.053

Gm14	7580533	7581509	Gmdrm	hypo	CHH	-0.0087
Gm14	7587993	7588993	Gmdrm	hypo	CHH	-0.0708
Gm14	7589007	7590001	Gmdrm	hypo	CHH	-0.0308
Gm14	7608490	7609077	Gmdrm	hypo	CHH	-0.1168
Gm14	7612656	7613653	Gmdrm	hypo	CHH	-0.1922
Gm14	7619179	7620165	Gmdrm	hypo	CHH	-0.0202
Gm14	7623169	7623438	Gmdrm	hypo	CHH	-0.0235
Gm14	7623546	7624505	Gmdrm	hypo	CHH	-0.0164
Gm14	7624557	7625294	Gmdrm	hypo	CHH	-0.1231
Gm14	7625419	7626418	Gmdrm	hypo	CHH	-0.1128
Gm14	7630645	7631641	Gmdrm	hypo	CHH	-0.0378
Gm14	7631648	7632637	Gmdrm	hypo	CHH	-0.0854
Gm14	7633561	7634497	Gmdrm	hypo	CHH	-0.0298
Gm14	7636350	7637349	Gmdrm	hypo	CHH	-0.1428
Gm14	7637353	7638347	Gmdrm	hypo	CHH	-0.0559
Gm14	7640320	7641133	Gmdrm	hypo	CHH	-0.3173
Gm14	7646214	7647184	Gmdrm	hypo	CHH	-0.0787
Gm14	7653020	7653962	Gmdrm	hypo	CHH	-0.0584
Gm14	7661263	7662257	Gmdrm	hypo	CHH	-0.027
Gm14	7662278	7663276	Gmdrm	hypo	CHH	-0.0931
Gm14	7663283	7664267	Gmdrm	hypo	CHH	-0.024
Gm14	7667715	7667959	Gmdrm	hypo	CHH	-0.0646
Gm14	7676421	7676658	Gmdrm	hypo	CHH	-0.0931
Gm14	7680684	7681683	Gmdrm	hypo	CHH	-0.048
Gm14	7682697	7683691	Gmdrm	hypo	CHH	-0.0581
Gm14	7683699	7684691	Gmdrm	hypo	CHH	-0.0769
Gm14	7684702	7685699	Gmdrm	hypo	CHH	-0.254
Gm14	7687539	7688530	Gmdrm	hypo	CHH	-0.169
Gm14	7688540	7689148	Gmdrm	hypo	CHH	-0.306
Gm14	7694704	7695669	Gmdrm	hypo	CHH	-0.0293
Gm14	7699140	7700108	Gmdrm	hypo	CHH	-0.0279
Gm14	7702665	7702862	Gmdrm	hypo	CHH	-0.0158
Gm14	7712120	7713120	Gmdrm	hypo	CHH	-0.1388
Gm14	7713122	7714122	Gmdrm	hypo	CHH	-0.0738
Gm14	7714124	7715101	Gmdrm	hypo	CHH	-0.0582
Gm14	7734008	7735004	Gmdrm	hypo	CHH	-0.105
Gm14	7759764	7760746	Gmdrm	hypo	CHH	-0.1052
Gm14	7786434	7787433	Gmdrm	hypo	CHH	-0.1147
Gm14	7787435	7788431	Gmdrm	hypo	CHH	-0.0732
Gm14	7788439	7789406	Gmdrm	hypo	CHH	-0.064
Gm14	7789440	7790428	Gmdrm	hypo	CHH	-0.0767
Gm14	7793634	7794622	Gmdrm	hypo	CHH	-0.0319
Gm14	7802038	7803016	Gmdrm	hypo	CHH	-0.0551
Gm14	7803041	7803892	Gmdrm	hypo	CHH	-0.0265
Gm14	7815554	7816315	Gmdrm	hypo	CHH	-0.1621
Gm14	7832007	7832980	Gmdrm	hypo	CHH	-0.0108

Gm14	7850101	7851101 Gmdrm	hypo	CHH	-0.0421
Gm14	7852968	7853966 Gmdrm	hypo	CHH	-0.0261
Gm14	7868238	7869236 Gmdrm	hypo	CHH	-0.0164
Gm14	7869283	7870278 Gmdrm	hypo	CHH	-0.0182
Gm14	7870359	7870649 Gmdrm	hypo	CHH	-0.0253
Gm14	7876229	7877223 Gmdrm	hypo	CHH	-0.046
Gm14	7877233	7878233 Gmdrm	hypo	CHH	-0.0161
Gm14	7879907	7880529 Gmdrm	hypo	CHH	-0.0109
Gm14	7880661	7881658 Gmdrm	hypo	CHH	-0.0477
Gm14	7895231	7896179 Gmdrm	hypo	CHH	-0.0466
Gm14	7897275	7898274 Gmdrm	hypo	CHH	-0.0509
Gm14	7898282	7899279 Gmdrm	hypo	CHH	-0.0355
Gm14	7901521	7902520 Gmdrm	hypo	CHH	-0.016
Gm14	7902560	7903525 Gmdrm	hypo	CHH	-0.0311
Gm14	7907856	7908451 Gmdrm	hypo	CHH	-0.0427
Gm14	7908564	7909561 Gmdrm	hypo	CHH	-0.0712
Gm14	7910574	7911574 Gmdrm	hypo	CHH	-0.0297
Gm14	7913451	7914443 Gmdrm	hypo	CHH	-0.1641
Gm14	7918338	7919326 Gmdrm	hypo	CHH	-0.0378
Gm14	7919369	7920365 Gmdrm	hypo	CHH	-0.0263
Gm14	7931638	7932635 Gmdrm	hypo	CHH	-0.0117
Gm14	7932641	7933637 Gmdrm	hypo	CHH	-0.0307
Gm14	7937142	7937797 Gmdrm	hypo	CHH	-0.1603
Gm14	7939989	7940969 Gmdrm	hypo	CHH	-0.0304
Gm14	7946420	7947417 Gmdrm	hypo	CHH	-0.0583
Gm14	7947425	7948418 Gmdrm	hypo	CHH	-0.1374
Gm14	7953810	7953930 Gmdrm	hypo	CHH	-0.035
Gm14	7954406	7955397 Gmdrm	hypo	CHH	-0.0292
Gm14	7966017	7966969 Gmdrm	hypo	CHH	-0.0282
Gm14	7967203	7968179 Gmdrm	hypo	CHH	-0.0317
Gm14	7974433	7974732 Gmdrm	hypo	CHH	-0.0444
Gm14	7990060	7991049 Gmdrm	hypo	CHH	-0.0539
Gm14	7991063	7992059 Gmdrm	hypo	CHH	-0.0455
Gm14	7992066	7993061 Gmdrm	hypo	CHH	-0.1033
Gm14	8001114	8002098 Gmdrm	hypo	CHH	-0.0242
Gm14	8004565	8005562 Gmdrm	hypo	CHH	-0.0999
Gm14	8007183	8008175 Gmdrm	hypo	CHH	-0.103
Gm14	8020907	8021904 Gmdrm	hypo	CHH	-0.0353
Gm14	8021914	8022887 Gmdrm	hypo	CHH	-0.0506
Gm14	8029461	8030442 Gmdrm	hypo	CHH	-0.0581
Gm14	8056134	8057129 Gmdrm	hypo	CHH	-0.0199
Gm14	8057154	8057919 Gmdrm	hypo	CHH	-0.0318
Gm14	8076735	8077734 Gmdrm	hypo	CHH	-0.0646
Gm14	8090417	8091284 Gmdrm	hypo	CHH	-0.0861
Gm14	8101506	8102497 Gmdrm	hypo	CHH	-0.0235
Gm14	8102509	8103060 Gmdrm	hypo	CHH	-0.0252

Gm14	8114996	8115932	Gmdrm	hypo	CHH	-0.0552
Gm14	8119846	8120829	Gmdrm	hypo	CHH	-0.0553
Gm14	8120888	8121882	Gmdrm	hypo	CHH	-0.0218
Gm14	8123796	8124796	Gmdrm	hypo	CHH	-0.0106
Gm14	8131323	8132302	Gmdrm	hypo	CHH	-0.0767
Gm14	8134505	8135503	Gmdrm	hypo	CHH	-0.0241
Gm14	8142266	8143261	Gmdrm	hypo	CHH	-0.0149
Gm14	8143280	8144265	Gmdrm	hypo	CHH	-0.0393
Gm14	8150721	8151707	Gmdrm	hypo	CHH	-0.0574
Gm14	8151730	8152701	Gmdrm	hypo	CHH	-0.0164
Gm14	8153527	8154501	Gmdrm	hypo	CHH	-0.045
Gm14	8155168	8155548	Gmdrm	hypo	CHH	-0.0412
Gm14	8155693	8156690	Gmdrm	hypo	CHH	-0.0888
Gm14	8163009	8163996	Gmdrm	hypo	CHH	-0.02
Gm14	8165081	8166081	Gmdrm	hypo	CHH	-0.0471
Gm14	8166082	8167082	Gmdrm	hypo	CHH	-0.0837
Gm14	8168099	8168807	Gmdrm	hypo	CHH	-0.0327
Gm14	8172142	8173072	Gmdrm	hypo	CHH	-0.0454
Gm14	8176475	8176986	Gmdrm	hypo	CHH	-0.0161
Gm14	8177093	8178069	Gmdrm	hypo	CHH	-0.03
Gm14	8181805	8182759	Gmdrm	hypo	CHH	-0.0187
Gm14	8191109	8192097	Gmdrm	hypo	CHH	-0.0182
Gm14	8195516	8196515	Gmdrm	hypo	CHH	-0.0888
Gm14	8196519	8197498	Gmdrm	hypo	CHH	-0.0409
Gm14	8197552	8198550	Gmdrm	hypo	CHH	-0.0346
Gm14	8202848	8203609	Gmdrm	hypo	CHH	-0.0215
Gm14	8210690	8211689	Gmdrm	hypo	CHH	-0.2484
Gm14	8211860	8212860	Gmdrm	hypo	CHH	-0.1223
Gm14	8212868	8213831	Gmdrm	hypo	CHH	-0.1783
Gm14	8221985	8222981	Gmdrm	hypo	CHH	-0.0953
Gm14	8222986	8223986	Gmdrm	hypo	CHH	-0.0659
Gm14	8225333	8226329	Gmdrm	hypo	CHH	-0.0274
Gm14	8227562	8227973	Gmdrm	hypo	CHH	-0.0298
Gm14	8228076	8229075	Gmdrm	hypo	CHH	-0.0111
Gm14	8252347	8253341	Gmdrm	hypo	CHH	-0.0144
Gm14	8256582	8256912	Gmdrm	hypo	CHH	-0.0361
Gm14	8260836	8261831	Gmdrm	hypo	CHH	-0.0201
Gm14	8261889	8262871	Gmdrm	hypo	CHH	-0.0799
Gm14	8265456	8266456	Gmdrm	hypo	CHH	-0.0246
Gm14	8266463	8267462	Gmdrm	hypo	CHH	-0.0592
Gm14	8282890	8283883	Gmdrm	hypo	CHH	-0.0109
Gm14	8287129	8288126	Gmdrm	hypo	CHH	-0.227
Gm14	8289143	8290141	Gmdrm	hypo	CHH	-0.0572
Gm14	8294210	8295206	Gmdrm	hypo	CHH	-0.0531
Gm14	8295213	8296193	Gmdrm	hypo	CHH	-0.0402
Gm14	8304203	8304554	Gmdrm	hypo	CHH	-0.0146

Gm14	8315768	8316767 Gmdrm	hypo	CHH	-0.0318
Gm14	8318865	8319690 Gmdrm	hypo	CHH	-0.0266
Gm14	8319960	8320899 Gmdrm	hypo	CHH	-0.0133
Gm14	8328633	8329622 Gmdrm	hypo	CHH	-0.0241
Gm14	8337919	8338912 Gmdrm	hypo	CHH	-0.0609
Gm14	8349784	8349975 Gmdrm	hypo	CHH	-0.0476
Gm14	8354067	8355034 Gmdrm	hypo	CHH	-0.1764
Gm14	8388795	8388993 Gmdrm	hypo	CHH	-0.06
Gm14	8395197	8395280 Gmdrm	hypo	CHH	-0.13
Gm14	8397834	8398830 Gmdrm	hypo	CHH	-0.0152
Gm14	8404000	8404987 Gmdrm	hypo	CHH	-0.1327
Gm14	8405004	8405998 Gmdrm	hypo	CHH	-0.1741
Gm14	8417475	8418474 Gmdrm	hypo	CHH	-0.0443
Gm14	8418489	8419456 Gmdrm	hypo	CHH	-0.0207
Gm14	8432349	8433345 Gmdrm	hypo	CHH	-0.016
Gm14	8440822	8441820 Gmdrm	hypo	CHH	-0.0673
Gm14	8446436	8447435 Gmdrm	hypo	CHH	-0.1069
Gm14	8455302	8456300 Gmdrm	hypo	CHH	-0.0732
Gm14	8457579	8458577 Gmdrm	hypo	CHH	-0.1248
Gm14	8458585	8459565 Gmdrm	hypo	CHH	-0.0696
Gm14	8465685	8466611 Gmdrm	hypo	CHH	-0.0743
Gm14	8467816	8468782 Gmdrm	hypo	CHH	-0.0633
Gm14	8478907	8479904 Gmdrm	hypo	CHH	-0.0891
Gm14	8480911	8481911 Gmdrm	hypo	CHH	-0.0536
Gm14	8481918	8482358 Gmdrm	hypo	CHH	-0.1069
Gm14	8484494	8484929 Gmdrm	hypo	CHH	-0.2569
Gm14	8485033	8485142 Gmdrm	hypo	CHH	-0.054
Gm14	8485255	8486255 Gmdrm	hypo	CHH	-0.1741
Gm14	8486261	8486487 Gmdrm	hypo	CHH	-0.2093
Gm14	8486598	8487433 Gmdrm	hypo	CHH	-0.1819
Gm14	8487795	8488775 Gmdrm	hypo	CHH	-0.0175
Gm14	8489810	8490779 Gmdrm	hypo	CHH	-0.0268
Gm14	8491822	8492822 Gmdrm	hypo	CHH	-0.063
Gm14	8492840	8493837 Gmdrm	hypo	CHH	-0.0355
Gm14	8495748	8496725 Gmdrm	hypo	CHH	-0.1256
Gm14	8496752	8497752 Gmdrm	hypo	CHH	-0.1291
Gm14	8497754	8498728 Gmdrm	hypo	CHH	-0.1865
Gm14	8504737	8505733 Gmdrm	hypo	CHH	-0.0146
Gm14	8509310	8510305 Gmdrm	hypo	CHH	-0.028
Gm14	8519610	8519871 Gmdrm	hypo	CHH	-0.03
Gm14	8538330	8538555 Gmdrm	hypo	CHH	-0.0546
Gm14	8538657	8539655 Gmdrm	hypo	CHH	-0.0214
Gm14	8542887	8543861 Gmdrm	hypo	CHH	-0.0233
Gm14	8553710	8554709 Gmdrm	hypo	CHH	-0.0218
Gm14	8554729	8555718 Gmdrm	hypo	CHH	-0.0514
Gm14	8571934	8572931 Gmdrm	hypo	CHH	-0.0315

Gm14	8576023	8577022	Gmdrm	hypo	CHH	-0.02
Gm14	8578643	8579632	Gmdrm	hypo	CHH	-0.0199
Gm14	8579650	8580643	Gmdrm	hypo	CHH	-0.0541
Gm14	8586686	8587668	Gmdrm	hypo	CHH	-0.059
Gm14	8587705	8588698	Gmdrm	hypo	CHH	-0.0343
Gm14	8596870	8597782	Gmdrm	hypo	CHH	-0.0127
Gm14	8601589	8602584	Gmdrm	hypo	CHH	-0.2651
Gm14	8602597	8603579	Gmdrm	hypo	CHH	-0.0144
Gm14	8604695	8605361	Gmdrm	hypo	CHH	-0.0485
Gm14	8642952	8643943	Gmdrm	hypo	CHH	-0.0221
Gm14	8643962	8644573	Gmdrm	hypo	CHH	-0.0347
Gm14	8644860	8645805	Gmdrm	hypo	CHH	-0.0165
Gm14	8645862	8646857	Gmdrm	hypo	CHH	-0.033
Gm14	8655210	8655768	Gmdrm	hypo	CHH	-0.1183
Gm14	8657981	8658979	Gmdrm	hypo	CHH	-0.0358
Gm14	8658982	8659977	Gmdrm	hypo	CHH	-0.1009
Gm14	8661012	8662009	Gmdrm	hypo	CHH	-0.0213
Gm14	8664561	8665065	Gmdrm	hypo	CHH	-0.0183
Gm14	8673543	8674528	Gmdrm	hypo	CHH	-0.0258
Gm14	8674546	8675542	Gmdrm	hypo	CHH	-0.0568
Gm14	8676964	8677953	Gmdrm	hypo	CHH	-0.049
Gm14	8682017	8682991	Gmdrm	hypo	CHH	-0.0937
Gm14	8683027	8684008	Gmdrm	hypo	CHH	-0.0197
Gm14	8684048	8684962	Gmdrm	hypo	CHH	-0.0834
Gm14	8685229	8686219	Gmdrm	hypo	CHH	-0.0116
Gm14	8688577	8689526	Gmdrm	hypo	CHH	-0.0695
Gm14	8689611	8690571	Gmdrm	hypo	CHH	-0.021
Gm14	8690618	8691618	Gmdrm	hypo	CHH	-0.0269
Gm14	8691620	8692615	Gmdrm	hypo	CHH	-0.034
Gm14	8692624	8693611	Gmdrm	hypo	CHH	-0.0849
Gm14	8699788	8700787	Gmdrm	hypo	CHH	-0.0594
Gm14	8701802	8702782	Gmdrm	hypo	CHH	-0.0746
Gm14	8714154	8715146	Gmdrm	hypo	CHH	-0.0213
Gm14	8715168	8716116	Gmdrm	hypo	CHH	-0.0306
Gm14	8716179	8717177	Gmdrm	hypo	CHH	-0.2094
Gm14	8717180	8718147	Gmdrm	hypo	CHH	-0.0231
Gm14	8719201	8720174	Gmdrm	hypo	CHH	-0.0191
Gm14	8721207	8722205	Gmdrm	hypo	CHH	-0.126
Gm14	8736630	8737627	Gmdrm	hypo	CHH	-0.1112
Gm14	8739653	8740650	Gmdrm	hypo	CHH	-0.0959
Gm14	8740657	8741440	Gmdrm	hypo	CHH	-0.1785
Gm14	8749905	8750050	Gmdrm	hypo	CHH	-0.044
Gm14	8766981	8767970	Gmdrm	hypo	CHH	-0.0293
Gm14	8779194	8779838	Gmdrm	hypo	CHH	-0.2104
Gm14	8785308	8786275	Gmdrm	hypo	CHH	-0.0842
Gm14	8788381	8789381	Gmdrm	hypo	CHH	-0.025

Gm14	8796696	8797695	Gmdrm	hypo	CHH	-0.0493
Gm14	8807816	8808814	Gmdrm	hypo	CHH	-0.0202
Gm14	8808824	8809800	Gmdrm	hypo	CHH	-0.2062
Gm14	8809825	8810810	Gmdrm	hypo	CHH	-0.0851
Gm14	8811864	8812859	Gmdrm	hypo	CHH	-0.0533
Gm14	8813480	8814478	Gmdrm	hypo	CHH	-0.0296
Gm14	8820529	8821510	Gmdrm	hypo	CHH	-0.0256
Gm14	8825334	8826310	Gmdrm	hypo	CHH	-0.0113
Gm14	8828389	8829389	Gmdrm	hypo	CHH	-0.3259
Gm14	8829392	8830374	Gmdrm	hypo	CHH	-0.1433
Gm14	8832407	8833406	Gmdrm	hypo	CHH	-0.0662
Gm14	8833414	8834376	Gmdrm	hypo	CHH	-0.1174
Gm14	8836437	8837409	Gmdrm	hypo	CHH	-0.0874
Gm14	8839309	8839525	Gmdrm	hypo	CHH	-0.036
Gm14	8841096	8842090	Gmdrm	hypo	CHH	-0.0446
Gm14	8844308	8844595	Gmdrm	hypo	CHH	-0.0474
Gm14	8851118	8851663	Gmdrm	hypo	CHH	-0.0982
Gm14	8851954	8852950	Gmdrm	hypo	CHH	-0.0496
Gm14	8870295	8871276	Gmdrm	hypo	CHH	-0.0184
Gm14	8871297	8872118	Gmdrm	hypo	CHH	-0.0353
Gm14	8876212	8877208	Gmdrm	hypo	CHH	-0.0827
Gm14	8877216	8878216	Gmdrm	hypo	CHH	-0.0885
Gm14	8883389	8884381	Gmdrm	hypo	CHH	-0.042
Gm14	8884391	8885353	Gmdrm	hypo	CHH	-0.0846
Gm14	8898716	8899715	Gmdrm	hypo	CHH	-0.0646
Gm14	8900726	8901713	Gmdrm	hypo	CHH	-0.034
Gm14	8903752	8904740	Gmdrm	hypo	CHH	-0.1588
Gm14	8904763	8905009	Gmdrm	hypo	CHH	-0.03
Gm14	8909772	8910759	Gmdrm	hypo	CHH	-0.0569
Gm14	8920054	8921046	Gmdrm	hypo	CHH	-0.0265
Gm14	8921057	8921997	Gmdrm	hypo	CHH	-0.0192
Gm14	8924447	8925437	Gmdrm	hypo	CHH	-0.0377
Gm14	8926718	8927710	Gmdrm	hypo	CHH	-0.0311
Gm14	8937819	8938813	Gmdrm	hypo	CHH	-0.0451
Gm14	8944385	8944675	Gmdrm	hypo	CHH	-0.0646
Gm14	8956427	8957413	Gmdrm	hypo	CHH	-0.0179
Gm14	8963145	8964123	Gmdrm	hypo	CHH	-0.0429
Gm14	8964147	8965146	Gmdrm	hypo	CHH	-0.1043
Gm14	8965150	8966138	Gmdrm	hypo	CHH	-0.0425
Gm14	8966151	8966578	Gmdrm	hypo	CHH	-0.0489
Gm14	8976709	8977679	Gmdrm	hypo	CHH	-0.1044
Gm14	8983126	8983501	Gmdrm	hypo	CHH	-0.0338
Gm14	8988795	8989785	Gmdrm	hypo	CHH	-0.0123
Gm14	9000147	9001146	Gmdrm	hypo	CHH	-0.01
Gm14	9011285	9012280	Gmdrm	hypo	CHH	-0.1117
Gm14	9020962	9021956	Gmdrm	hypo	CHH	-0.0158

Gm14	9044410	9044715 Gmdrm	hypo	CHH	-0.0634
Gm14	9062714	9063711 Gmdrm	hypo	CHH	-0.024
Gm14	9068668	9069068 Gmdrm	hypo	CHH	-0.0185
Gm14	9074356	9075163 Gmdrm	hypo	CHH	-0.0164
Gm14	9078775	9079773 Gmdrm	hypo	CHH	-0.1086
Gm14	9079779	9080775 Gmdrm	hypo	CHH	-0.0397
Gm14	9085800	9086794 Gmdrm	hypo	CHH	-0.0976
Gm14	9097008	9097989 Gmdrm	hypo	CHH	-0.0695
Gm14	9098033	9099031 Gmdrm	hypo	CHH	-0.0536
Gm14	9117181	9118179 Gmdrm	hypo	CHH	-0.3789
Gm14	9118183	9118773 Gmdrm	hypo	CHH	-0.2091
Gm14	9120925	9121924 Gmdrm	hypo	CHH	-0.3147
Gm14	9121926	9122915 Gmdrm	hypo	CHH	-0.1904
Gm14	9135627	9136624 Gmdrm	hypo	CHH	-0.0393
Gm14	9140685	9141281 Gmdrm	hypo	CHH	-0.0235
Gm14	9149402	9150276 Gmdrm	hypo	CHH	-0.3576
Gm14	9154486	9155484 Gmdrm	hypo	CHH	-0.0141
Gm14	9156583	9157575 Gmdrm	hypo	CHH	-0.0298
Gm14	9158800	9159799 Gmdrm	hypo	CHH	-0.0622
Gm14	9177967	9178956 Gmdrm	hypo	CHH	-0.102
Gm14	9183188	9184168 Gmdrm	hypo	CHH	-0.0158
Gm14	9184189	9184846 Gmdrm	hypo	CHH	-0.0856
Gm14	9184947	9185946 Gmdrm	hypo	CHH	-0.1664
Gm14	9185951	9186461 Gmdrm	hypo	CHH	-0.2319
Gm14	9193103	9194102 Gmdrm	hypo	CHH	-0.0377
Gm14	9199157	9200068 Gmdrm	hypo	CHH	-0.0401
Gm14	9209670	9210668 Gmdrm	hypo	CHH	-0.0125
Gm14	9210783	9210974 Gmdrm	hypo	CHH	-0.13
Gm14	9212762	9213669 Gmdrm	hypo	CHH	-0.0236
Gm14	9228990	9229415 Gmdrm	hypo	CHH	-0.1304
Gm14	9229519	9229878 Gmdrm	hypo	CHH	-0.0926
Gm14	9232019	9233018 Gmdrm	hypo	CHH	-0.0762
Gm14	9233020	9233992 Gmdrm	hypo	CHH	-0.1391
Gm14	9234786	9235786 Gmdrm	hypo	CHH	-0.0262
Gm14	9236969	9237966 Gmdrm	hypo	CHH	-0.0261
Gm14	9242673	9243670 Gmdrm	hypo	CHH	-0.0111
Gm14	9249693	9250691 Gmdrm	hypo	CHH	-0.0448
Gm14	9250697	9251644 Gmdrm	hypo	CHH	-0.0581
Gm14	9251699	9252637 Gmdrm	hypo	CHH	-0.1059
Gm14	9253115	9254107 Gmdrm	hypo	CHH	-0.0699
Gm14	9256234	9257222 Gmdrm	hypo	CHH	-0.0564
Gm14	9257243	9258206 Gmdrm	hypo	CHH	-0.0923
Gm14	9258247	9259214 Gmdrm	hypo	CHH	-0.0439
Gm14	9261535	9262535 Gmdrm	hypo	CHH	-0.0338
Gm14	9262537	9263532 Gmdrm	hypo	CHH	-0.0707
Gm14	9263547	9264539 Gmdrm	hypo	CHH	-0.0599

Gm14	9264549	9265540 Gmdrm	hypo	CHH	-0.0647
Gm14	9265552	9266544 Gmdrm	hypo	CHH	-0.0649
Gm14	9266570	9267553 Gmdrm	hypo	CHH	-0.0659
Gm14	9267573	9268537 Gmdrm	hypo	CHH	-0.0681
Gm14	9268577	9269556 Gmdrm	hypo	CHH	-0.089
Gm14	9269595	9270590 Gmdrm	hypo	CHH	-0.0163
Gm14	9272498	9273483 Gmdrm	hypo	CHH	-0.1863
Gm14	9287537	9288535 Gmdrm	hypo	CHH	-0.0775
Gm14	9291574	9292573 Gmdrm	hypo	CHH	-0.0573
Gm14	9294817	9295815 Gmdrm	hypo	CHH	-0.0155
Gm14	9302153	9303152 Gmdrm	hypo	CHH	-0.0897
Gm14	9303154	9304140 Gmdrm	hypo	CHH	-0.0234
Gm14	9304156	9305144 Gmdrm	hypo	CHH	-0.0198
Gm14	9307184	9308174 Gmdrm	hypo	CHH	-0.0185
Gm14	9310710	9311666 Gmdrm	hypo	CHH	-0.0835
Gm14	9311726	9312718 Gmdrm	hypo	CHH	-0.0487
Gm14	9312750	9313732 Gmdrm	hypo	CHH	-0.054
Gm14	9326846	9327825 Gmdrm	hypo	CHH	-0.0312
Gm14	9328921	9329886 Gmdrm	hypo	CHH	-0.0951
Gm14	9334906	9335905 Gmdrm	hypo	CHH	-0.0541
Gm14	9335907	9336889 Gmdrm	hypo	CHH	-0.0776
Gm14	9336908	9337908 Gmdrm	hypo	CHH	-0.0255
Gm14	9337909	9338428 Gmdrm	hypo	CHH	-0.0146
Gm14	9340538	9341519 Gmdrm	hypo	CHH	-0.0416
Gm14	9341542	9342539 Gmdrm	hypo	CHH	-0.0681
Gm14	9342571	9343541 Gmdrm	hypo	CHH	-0.077
Gm14	9362562	9363355 Gmdrm	hypo	CHH	-0.0146
Gm14	9383146	9384146 Gmdrm	hypo	CHH	-0.0824
Gm14	9390196	9391196 Gmdrm	hypo	CHH	-0.0602
Gm14	9391200	9392182 Gmdrm	hypo	CHH	-0.0403
Gm14	9397044	9398022 Gmdrm	hypo	CHH	-0.0296
Gm14	9399094	9400065 Gmdrm	hypo	CHH	-0.1046
Gm14	9403221	9404209 Gmdrm	hypo	CHH	-0.0198
Gm14	9404222	9404379 Gmdrm	hypo	CHH	-0.0388
Gm14	9405523	9406522 Gmdrm	hypo	CHH	-0.0528
Gm14	9411967	9412953 Gmdrm	hypo	CHH	-0.0424
Gm14	9412980	9413970 Gmdrm	hypo	CHH	-0.1361
Gm14	9413987	9414099 Gmdrm	hypo	CHH	-0.2166
Gm14	9418284	9419276 Gmdrm	hypo	CHH	-0.0161
Gm14	9443304	9444300 Gmdrm	hypo	CHH	-0.2701
Gm14	9446068	9447062 Gmdrm	hypo	CHH	-0.0143
Gm14	9447071	9448034 Gmdrm	hypo	CHH	-0.04
Gm14	9451182	9452182 Gmdrm	hypo	CHH	-0.0623
Gm14	9463554	9464549 Gmdrm	hypo	CHH	-0.0832
Gm14	9477332	9478331 Gmdrm	hypo	CHH	-0.0424
Gm14	9492083	9492548 Gmdrm	hypo	CHH	-0.0254

Gm14	9506632	9507608 Gmdrm	hypo	CHH	-0.0183
Gm14	9510330	9511319 Gmdrm	hypo	CHH	-0.0932
Gm14	9514399	9515319 Gmdrm	hypo	CHH	-0.0229
Gm14	9517830	9518436 Gmdrm	hypo	CHH	-0.119
Gm14	9526977	9527956 Gmdrm	hypo	CHH	-0.127
Gm14	9527997	9528962 Gmdrm	hypo	CHH	-0.0502
Gm14	9529010	9529994 Gmdrm	hypo	CHH	-0.0289
Gm14	9532880	9533831 Gmdrm	hypo	CHH	-0.0274
Gm14	9540243	9541241 Gmdrm	hypo	CHH	-0.0253
Gm14	9542278	9543228 Gmdrm	hypo	CHH	-0.0133
Gm14	9551173	9552172 Gmdrm	hypo	CHH	-0.0161
Gm14	9560417	9561402 Gmdrm	hypo	CHH	-0.019
Gm14	9562954	9563946 Gmdrm	hypo	CHH	-0.0174
Gm14	9574082	9575082 Gmdrm	hypo	CHH	-0.0209
Gm14	9636999	9637959 Gmdrm	hypo	CHH	-0.0264
Gm14	9664305	9665031 Gmdrm	hypo	CHH	-0.0239
Gm14	9666522	9666540 Gmdrm	hypo	CHH	-0.066
Gm14	9667055	9667776 Gmdrm	hypo	CHH	-0.0922
Gm14	9667996	9668991 Gmdrm	hypo	CHH	-0.031
Gm14	9676623	9677621 Gmdrm	hypo	CHH	-0.0351
Gm14	9683241	9684162 Gmdrm	hypo	CHH	-0.046
Gm14	9685407	9686356 Gmdrm	hypo	CHH	-0.0211
Gm14	9686422	9687417 Gmdrm	hypo	CHH	-0.0569
Gm14	9688544	9689540 Gmdrm	hypo	CHH	-0.0131
Gm14	9693409	9694403 Gmdrm	hypo	CHH	-0.0246
Gm14	9697362	9698350 Gmdrm	hypo	CHH	-0.0182
Gm14	9698382	9699375 Gmdrm	hypo	CHH	-0.0591
Gm14	9699388	9700384 Gmdrm	hypo	CHH	-0.028
Gm14	9702399	9703389 Gmdrm	hypo	CHH	-0.0286
Gm14	9708673	9709667 Gmdrm	hypo	CHH	-0.0463
Gm14	9709705	9710689 Gmdrm	hypo	CHH	-0.011
Gm14	9711707	9712683 Gmdrm	hypo	CHH	-0.0234
Gm14	9719759	9720759 Gmdrm	hypo	CHH	-0.0331
Gm14	9720762	9721761 Gmdrm	hypo	CHH	-0.0456
Gm14	9721767	9722185 Gmdrm	hypo	CHH	-0.0518
Gm14	9723632	9724631 Gmdrm	hypo	CHH	-0.0865
Gm14	9724634	9725634 Gmdrm	hypo	CHH	-0.0408
Gm14	9725640	9726640 Gmdrm	hypo	CHH	-0.0478
Gm14	9726654	9727618 Gmdrm	hypo	CHH	-0.035
Gm14	9749904	9750898 Gmdrm	hypo	CHH	-0.0355
Gm14	9750907	9751901 Gmdrm	hypo	CHH	-0.0443
Gm14	9753964	9754964 Gmdrm	hypo	CHH	-0.0113
Gm14	9762116	9762971 Gmdrm	hypo	CHH	-0.1395
Gm14	9763281	9764275 Gmdrm	hypo	CHH	-0.0196
Gm14	9764282	9765266 Gmdrm	hypo	CHH	-0.0299
Gm14	9765284	9766250 Gmdrm	hypo	CHH	-0.0125

Gm14	9766289	9767281 Gmdrm	hypo	CHH	-0.0254
Gm14	9767290	9768265 Gmdrm	hypo	CHH	-0.0372
Gm14	9768303	9769303 Gmdrm	hypo	CHH	-0.0656
Gm14	9769304	9770039 Gmdrm	hypo	CHH	-0.0384
Gm14	9770409	9771404 Gmdrm	hypo	CHH	-0.0759
Gm14	9771410	9772403 Gmdrm	hypo	CHH	-0.018
Gm14	9774145	9775140 Gmdrm	hypo	CHH	-0.0761
Gm14	9776162	9777130 Gmdrm	hypo	CHH	-0.0136
Gm14	9777167	9778162 Gmdrm	hypo	CHH	-0.057
Gm14	9781195	9782194 Gmdrm	hypo	CHH	-0.0161
Gm14	9784149	9785133 Gmdrm	hypo	CHH	-0.0297
Gm14	9785150	9785875 Gmdrm	hypo	CHH	-0.0411
Gm14	9810367	9811367 Gmdrm	hypo	CHH	-0.0184
Gm14	9812406	9812500 Gmdrm	hypo	CHH	-0.0333
Gm14	9819019	9819995 Gmdrm	hypo	CHH	-0.0141
Gm14	9820024	9820996 Gmdrm	hypo	CHH	-0.0613
Gm14	9827240	9828239 Gmdrm	hypo	CHH	-0.0362
Gm14	9828275	9829275 Gmdrm	hypo	CHH	-0.0782
Gm14	9829278	9830278 Gmdrm	hypo	CHH	-0.1046
Gm14	9831323	9832153 Gmdrm	hypo	CHH	-0.056
Gm14	9837966	9838958 Gmdrm	hypo	CHH	-0.0113
Gm14	9842238	9843237 Gmdrm	hypo	CHH	-0.0332
Gm14	9855202	9856198 Gmdrm	hypo	CHH	-0.1007
Gm14	9859538	9860535 Gmdrm	hypo	CHH	-0.0165
Gm14	9880746	9881742 Gmdrm	hypo	CHH	-0.0268
Gm14	9887494	9888170 Gmdrm	hypo	CHH	-0.0317
Gm14	9912572	9913566 Gmdrm	hypo	CHH	-0.0541
Gm14	9919039	9920036 Gmdrm	hypo	CHH	-0.0793
Gm14	9920049	9920789 Gmdrm	hypo	CHH	-0.0237
Gm14	9943223	9944201 Gmdrm	hypo	CHH	-0.0768
Gm14	9964388	9964691 Gmdrm	hypo	CHH	-0.1285
Gm14	9972481	9973463 Gmdrm	hypo	CHH	-0.0258
Gm14	9974733	9975706 Gmdrm	hypo	CHH	-0.0845
Gm14	9975741	9976737 Gmdrm	hypo	CHH	-0.0939
Gm14	9979934	9980115 Gmdrm	hypo	CHH	-0.1542
Gm14	9980221	9981209 Gmdrm	hypo	CHH	-0.0295
Gm14	9988955	9989951 Gmdrm	hypo	CHH	-0.1836
Gm14	9989964	9990093 Gmdrm	hypo	CHH	-0.255
Gm14	9992323	9993006 Gmdrm	hypo	CHH	-0.0413
Gm14	9995018	9995994 Gmdrm	hypo	CHH	-0.0471
Gm14	10015763	10016120 Gmdrm	hypo	CHH	-0.1414
Gm14	10017287	10017400 Gmdrm	hypo	CHH	-0.3541
Gm14	10017616	10018612 Gmdrm	hypo	CHH	-0.0601
Gm14	10018627	10019499 Gmdrm	hypo	CHH	-0.0412
Gm14	10054379	10055377 Gmdrm	hypo	CHH	-0.0692
Gm14	10055380	10056377 Gmdrm	hypo	CHH	-0.0431

Gm14	10056384	10057145	Gmdrm	hypo	CHH	-0.0251
Gm14	10088185	10089180	Gmdrm	hypo	CHH	-0.0847
Gm14	10089191	10089893	Gmdrm	hypo	CHH	-0.164
Gm14	10092165	10093162	Gmdrm	hypo	CHH	-0.0226
Gm14	10125187	10126166	Gmdrm	hypo	CHH	-0.0155
Gm14	10127222	10128194	Gmdrm	hypo	CHH	-0.0203
Gm14	10134472	10135067	Gmdrm	hypo	CHH	-0.0154
Gm14	10204769	10205713	Gmdrm	hypo	CHH	-0.0127
Gm14	10206124	10207124	Gmdrm	hypo	CHH	-0.1095
Gm14	10211084	10211626	Gmdrm	hypo	CHH	-0.1162
Gm14	10222588	10222786	Gmdrm	hypo	CHH	-0.0563
Gm14	10245995	10246986	Gmdrm	hypo	CHH	-0.065
Gm14	10262704	10262938	Gmdrm	hypo	CHH	-0.05
Gm14	10263200	10264182	Gmdrm	hypo	CHH	-0.0225
Gm14	10274835	10275823	Gmdrm	hypo	CHH	-0.0183
Gm14	10276072	10276929	Gmdrm	hypo	CHH	-0.0234
Gm14	10280068	10281060	Gmdrm	hypo	CHH	-0.0334
Gm14	10282077	10283068	Gmdrm	hypo	CHH	-0.0891
Gm14	10283256	10284253	Gmdrm	hypo	CHH	-0.3808
Gm14	10284258	10285191	Gmdrm	hypo	CHH	-0.076
Gm14	10294417	10295415	Gmdrm	hypo	CHH	-0.0168
Gm14	10298883	10299865	Gmdrm	hypo	CHH	-0.0271
Gm14	10299885	10300875	Gmdrm	hypo	CHH	-0.0232
Gm14	10314185	10314495	Gmdrm	hypo	CHH	-0.1
Gm14	10320607	10321607	Gmdrm	hypo	CHH	-0.0878
Gm14	10321609	10322397	Gmdrm	hypo	CHH	-0.1199
Gm14	10322498	10323494	Gmdrm	hypo	CHH	-0.0305
Gm14	10331209	10332203	Gmdrm	hypo	CHH	-0.0875
Gm14	10332220	10332561	Gmdrm	hypo	CHH	-0.0373
Gm14	10353568	10353994	Gmdrm	hypo	CHH	-0.0342
Gm14	10376548	10376937	Gmdrm	hypo	CHH	-0.0354
Gm14	10381781	10381990	Gmdrm	hypo	CHH	-0.0907
Gm14	10384799	10385785	Gmdrm	hypo	CHH	-0.0193
Gm14	10385801	10386795	Gmdrm	hypo	CHH	-0.0383
Gm14	10388616	10389610	Gmdrm	hypo	CHH	-0.1029
Gm14	10391082	10392080	Gmdrm	hypo	CHH	-0.2592
Gm14	10392127	10393096	Gmdrm	hypo	CHH	-0.1338
Gm14	10393147	10394145	Gmdrm	hypo	CHH	-0.0474
Gm14	10398271	10399262	Gmdrm	hypo	CHH	-0.0461
Gm14	10399279	10400240	Gmdrm	hypo	CHH	-0.0444
Gm14	10402330	10403318	Gmdrm	hypo	CHH	-0.0488
Gm14	10405354	10406353	Gmdrm	hypo	CHH	-0.065
Gm14	10406355	10407347	Gmdrm	hypo	CHH	-0.0185
Gm14	10408878	10409868	Gmdrm	hypo	CHH	-0.0608
Gm14	10417835	10418828	Gmdrm	hypo	CHH	-0.0578
Gm14	10418842	10419048	Gmdrm	hypo	CHH	-0.0762

Gm14	10430300	10431293	Gmdrm	hypo	CHH	-0.0757
Gm14	10432377	10433377	Gmdrm	hypo	CHH	-0.0576
Gm14	10435303	10435662	Gmdrm	hypo	CHH	-0.0606
Gm14	10441816	10442816	Gmdrm	hypo	CHH	-0.1802
Gm14	10442842	10443831	Gmdrm	hypo	CHH	-0.1238
Gm14	10443852	10444295	Gmdrm	hypo	CHH	-0.0176
Gm14	10506075	10507048	Gmdrm	hypo	CHH	-0.0153
Gm14	10513252	10514243	Gmdrm	hypo	CHH	-0.0206
Gm14	10514275	10515275	Gmdrm	hypo	CHH	-0.0498
Gm14	10517328	10518165	Gmdrm	hypo	CHH	-0.0171
Gm14	10518393	10518564	Gmdrm	hypo	CHH	-0.4038
Gm14	10518916	10519916	Gmdrm	hypo	CHH	-0.0385
Gm14	10549004	10550002	Gmdrm	hypo	CHH	-0.1132
Gm14	10550005	10550969	Gmdrm	hypo	CHH	-0.2336
Gm14	10551007	10551943	Gmdrm	hypo	CHH	-0.0312
Gm14	10557600	10558600	Gmdrm	hypo	CHH	-0.0606
Gm14	10590366	10590761	Gmdrm	hypo	CHH	-0.1358
Gm14	10596280	10596908	Gmdrm	hypo	CHH	-0.0507
Gm14	10597291	10597930	Gmdrm	hypo	CHH	-0.0308
Gm14	10598379	10599378	Gmdrm	hypo	CHH	-0.048
Gm14	10601402	10602386	Gmdrm	hypo	CHH	-0.0298
Gm14	10631235	10632225	Gmdrm	hypo	CHH	-0.0413
Gm14	10668631	10669602	Gmdrm	hypo	CHH	-0.0191
Gm14	10685078	10686027	Gmdrm	hypo	CHH	-0.0538
Gm14	10699988	10700986	Gmdrm	hypo	CHH	-0.0502
Gm14	10700998	10701992	Gmdrm	hypo	CHH	-0.0979
Gm14	10703025	10704023	Gmdrm	hypo	CHH	-0.0239
Gm14	10708591	10709584	Gmdrm	hypo	CHH	-0.011
Gm14	10710105	10711097	Gmdrm	hypo	CHH	-0.0586
Gm14	10711119	10712104	Gmdrm	hypo	CHH	-0.1184
Gm14	10730341	10731329	Gmdrm	hypo	CHH	-0.0118
Gm14	10734051	10735038	Gmdrm	hypo	CHH	-0.0239
Gm14	10735052	10736023	Gmdrm	hypo	CHH	-0.0719
Gm14	10740640	10741639	Gmdrm	hypo	CHH	-0.0491
Gm14	10755802	10756794	Gmdrm	hypo	CHH	-0.0662
Gm14	10756805	10757805	Gmdrm	hypo	CHH	-0.0595
Gm14	10882408	10883406	Gmdrm	hypo	CHH	-0.0425
Gm14	10885469	10886450	Gmdrm	hypo	CHH	-0.0281
Gm14	10892145	10893135	Gmdrm	hypo	CHH	-0.022
Gm14	10893151	10894124	Gmdrm	hypo	CHH	-0.0409
Gm14	10904898	10905895	Gmdrm	hypo	CHH	-0.0628
Gm14	10924588	10925577	Gmdrm	hypo	CHH	-0.0833
Gm14	10931059	10931676	Gmdrm	hypo	CHH	-0.1385
Gm14	10949192	10950192	Gmdrm	hypo	CHH	-0.0256
Gm14	10950194	10950460	Gmdrm	hypo	CHH	-0.1187
Gm14	10950561	10951027	Gmdrm	hypo	CHH	-0.1762

Gm14	10951897	10952555	Gmdrm	hypo	CHH	-0.0149
Gm14	10956387	10956851	Gmdrm	hypo	CHH	-0.0228
Gm14	10959512	10960482	Gmdrm	hypo	CHH	-0.0808
Gm14	10960516	10961516	Gmdrm	hypo	CHH	-0.0364
Gm14	10961517	10962503	Gmdrm	hypo	CHH	-0.0356
Gm14	10963090	10964086	Gmdrm	hypo	CHH	-0.037
Gm14	10964093	10965092	Gmdrm	hypo	CHH	-0.0476
Gm14	10965097	10965963	Gmdrm	hypo	CHH	-0.0133
Gm14	10966731	10967730	Gmdrm	hypo	CHH	-0.0479
Gm14	10980312	10980891	Gmdrm	hypo	CHH	-0.037
Gm14	10991900	10992173	Gmdrm	hypo	CHH	-0.0595
Gm14	10998008	10999002	Gmdrm	hypo	CHH	-0.0288
Gm14	11005059	11006031	Gmdrm	hypo	CHH	-0.0729
Gm14	11030006	11031006	Gmdrm	hypo	CHH	-0.0119
Gm14	11041206	11042189	Gmdrm	hypo	CHH	-0.0204
Gm14	11053563	11054562	Gmdrm	hypo	CHH	-0.0287
Gm14	11057661	11058659	Gmdrm	hypo	CHH	-0.0578
Gm14	11072597	11073381	Gmdrm	hypo	CHH	-0.0469
Gm14	11076562	11077550	Gmdrm	hypo	CHH	-0.0346
Gm14	11096882	11097873	Gmdrm	hypo	CHH	-0.0607
Gm14	11109484	11110480	Gmdrm	hypo	CHH	-0.0343
Gm14	11119559	11120555	Gmdrm	hypo	CHH	-0.0513
Gm14	11121585	11122575	Gmdrm	hypo	CHH	-0.0404
Gm14	11122596	11123580	Gmdrm	hypo	CHH	-0.0913
Gm14	11123597	11124388	Gmdrm	hypo	CHH	-0.0396
Gm14	11124941	11125928	Gmdrm	hypo	CHH	-0.0365
Gm14	11126964	11127959	Gmdrm	hypo	CHH	-0.0212
Gm14	11142232	11142901	Gmdrm	hypo	CHH	-0.0589
Gm14	11148410	11149378	Gmdrm	hypo	CHH	-0.0478
Gm14	11160640	11161628	Gmdrm	hypo	CHH	-0.1569
Gm14	11212254	11213243	Gmdrm	hypo	CHH	-0.0103
Gm14	11290224	11291178	Gmdrm	hypo	CHH	-0.0427
Gm14	11296179	11297178	Gmdrm	hypo	CHH	-0.057
Gm14	11300565	11301563	Gmdrm	hypo	CHH	-0.0395
Gm14	11301571	11302569	Gmdrm	hypo	CHH	-0.0421
Gm14	11338952	11339950	Gmdrm	hypo	CHH	-0.0368
Gm14	11339954	11340334	Gmdrm	hypo	CHH	-0.1729
Gm14	11341473	11342473	Gmdrm	hypo	CHH	-0.0407
Gm14	11342474	11342856	Gmdrm	hypo	CHH	-0.0338
Gm14	11343166	11344163	Gmdrm	hypo	CHH	-0.1639
Gm14	11344173	11344732	Gmdrm	hypo	CHH	-0.0667
Gm14	11359826	11360825	Gmdrm	hypo	CHH	-0.0483
Gm14	11360834	11361344	Gmdrm	hypo	CHH	-0.3172
Gm14	11362593	11363119	Gmdrm	hypo	CHH	-0.0375
Gm14	11364597	11365588	Gmdrm	hypo	CHH	-0.0433
Gm14	11468912	11469881	Gmdrm	hypo	CHH	-0.0668

Gm14	11469922	11470885	Gmdrm	hypo	CHH	-0.037
Gm14	11485357	11486354	Gmdrm	hypo	CHH	-0.0418
Gm14	11486375	11487373	Gmdrm	hypo	CHH	-0.028
Gm14	11487376	11488375	Gmdrm	hypo	CHH	-0.0511
Gm14	11488388	11489360	Gmdrm	hypo	CHH	-0.0583
Gm14	11489398	11490377	Gmdrm	hypo	CHH	-0.0341
Gm14	11490420	11491357	Gmdrm	hypo	CHH	-0.102
Gm14	11504166	11505163	Gmdrm	hypo	CHH	-0.0491
Gm14	11505173	11506162	Gmdrm	hypo	CHH	-0.0276
Gm14	11506189	11507178	Gmdrm	hypo	CHH	-0.2288
Gm14	11507192	11508190	Gmdrm	hypo	CHH	-0.2229
Gm14	11510152	11510691	Gmdrm	hypo	CHH	-0.0343
Gm14	11510952	11511394	Gmdrm	hypo	CHH	-0.0204
Gm14	11513921	11514916	Gmdrm	hypo	CHH	-0.0404
Gm14	11519952	11520930	Gmdrm	hypo	CHH	-0.0541
Gm14	11520969	11521151	Gmdrm	hypo	CHH	-0.0466
Gm14	11521574	11522573	Gmdrm	hypo	CHH	-0.0801
Gm14	11522581	11522925	Gmdrm	hypo	CHH	-0.1544
Gm14	11524409	11525400	Gmdrm	hypo	CHH	-0.1172
Gm14	11525430	11526409	Gmdrm	hypo	CHH	-0.1556
Gm14	11527461	11528461	Gmdrm	hypo	CHH	-0.153
Gm14	11528463	11528683	Gmdrm	hypo	CHH	-0.046
Gm14	11578621	11579597	Gmdrm	hypo	CHH	-0.0587
Gm14	11583410	11584113	Gmdrm	hypo	CHH	-0.0559
Gm14	11607745	11608742	Gmdrm	hypo	CHH	-0.0791
Gm14	11616828	11617215	Gmdrm	hypo	CHH	-0.0374
Gm14	11629120	11630116	Gmdrm	hypo	CHH	-0.0405
Gm14	11632741	11633737	Gmdrm	hypo	CHH	-0.0877
Gm14	11652264	11653229	Gmdrm	hypo	CHH	-0.0358
Gm14	11658243	11659243	Gmdrm	hypo	CHH	-0.0394
Gm14	11669360	11669603	Gmdrm	hypo	CHH	-0.0291
Gm14	11669720	11670291	Gmdrm	hypo	CHH	-0.0637
Gm14	11671434	11672431	Gmdrm	hypo	CHH	-0.0281
Gm14	11676894	11677886	Gmdrm	hypo	CHH	-0.0297
Gm14	11782792	11783791	Gmdrm	hypo	CHH	-0.0218
Gm14	11791846	11792296	Gmdrm	hypo	CHH	-0.0577
Gm14	11822480	11823467	Gmdrm	hypo	CHH	-0.0141
Gm14	11937546	11937737	Gmdrm	hypo	CHH	-0.1841
Gm14	11990688	11991663	Gmdrm	hypo	CHH	-0.0482
Gm14	11999817	12000814	Gmdrm	hypo	CHH	-0.0485
Gm14	12006991	12007200	Gmdrm	hypo	CHH	-0.06
Gm14	12054596	12055593	Gmdrm	hypo	CHH	-0.028
Gm14	12144654	12144824	Gmdrm	hypo	CHH	-0.081
Gm14	12153885	12154876	Gmdrm	hypo	CHH	-0.0129
Gm14	12172505	12173498	Gmdrm	hypo	CHH	-0.0647
Gm14	12201253	12202247	Gmdrm	hypo	CHH	-0.0438

Gm14	12215711	12216337	Gmdrm	hypo	CHH	-0.0198
Gm14	12252877	12253875	Gmdrm	hypo	CHH	-0.03
Gm14	12255903	12256903	Gmdrm	hypo	CHH	-0.0309
Gm14	12256913	12257910	Gmdrm	hypo	CHH	-0.0401
Gm14	12266863	12267858	Gmdrm	hypo	CHH	-0.1438
Gm14	12267865	12268726	Gmdrm	hypo	CHH	-0.054
Gm14	12277527	12278520	Gmdrm	hypo	CHH	-0.0843
Gm14	12278533	12279529	Gmdrm	hypo	CHH	-0.0753
Gm14	12302727	12303681	Gmdrm	hypo	CHH	-0.0161
Gm14	12332676	12333665	Gmdrm	hypo	CHH	-0.071
Gm14	12379671	12380658	Gmdrm	hypo	CHH	-0.0525
Gm14	12387138	12388138	Gmdrm	hypo	CHH	-0.0199
Gm14	12398579	12399215	Gmdrm	hypo	CHH	-0.0489
Gm14	12399369	12399682	Gmdrm	hypo	CHH	-0.0324
Gm14	12420142	12421139	Gmdrm	hypo	CHH	-0.0859
Gm14	12461011	12462009	Gmdrm	hypo	CHH	-0.0341
Gm14	12462012	12463006	Gmdrm	hypo	CHH	-0.0358
Gm14	12465070	12466060	Gmdrm	hypo	CHH	-0.0271
Gm14	12466072	12467067	Gmdrm	hypo	CHH	-0.0444
Gm14	12503925	12504918	Gmdrm	hypo	CHH	-0.0351
Gm14	12504928	12505910	Gmdrm	hypo	CHH	-0.0169
Gm14	12508943	12509925	Gmdrm	hypo	CHH	-0.0137
Gm14	12512912	12513906	Gmdrm	hypo	CHH	-0.0131
Gm14	12532633	12533315	Gmdrm	hypo	CHH	-0.035
Gm14	12556770	12557770	Gmdrm	hypo	CHH	-0.0309
Gm14	12557781	12558769	Gmdrm	hypo	CHH	-0.0211
Gm14	12559692	12560682	Gmdrm	hypo	CHH	-0.0122
Gm14	12560700	12561700	Gmdrm	hypo	CHH	-0.052
Gm14	12562710	12563705	Gmdrm	hypo	CHH	-0.0545
Gm14	12591757	12592748	Gmdrm	hypo	CHH	-0.0967
Gm14	12593759	12594735	Gmdrm	hypo	CHH	-0.0617
Gm14	12612489	12613484	Gmdrm	hypo	CHH	-0.0308
Gm14	12664517	12665492	Gmdrm	hypo	CHH	-0.0504
Gm14	12677342	12678302	Gmdrm	hypo	CHH	-0.0241
Gm14	12684251	12685237	Gmdrm	hypo	CHH	-0.0181
Gm14	12690769	12691435	Gmdrm	hypo	CHH	-0.0644
Gm14	12760057	12761051	Gmdrm	hypo	CHH	-0.0188
Gm14	12771955	12772933	Gmdrm	hypo	CHH	-0.0346
Gm14	12774493	12775493	Gmdrm	hypo	CHH	-0.0394
Gm14	12776524	12777524	Gmdrm	hypo	CHH	-0.0458
Gm14	12801535	12802352	Gmdrm	hypo	CHH	-0.0683
Gm14	12802507	12803492	Gmdrm	hypo	CHH	-0.0168
Gm14	12808619	12809575	Gmdrm	hypo	CHH	-0.0397
Gm14	12810689	12811664	Gmdrm	hypo	CHH	-0.0484
Gm14	12811692	12812660	Gmdrm	hypo	CHH	-0.0581
Gm14	12833108	12834107	Gmdrm	hypo	CHH	-0.0369

Gm14	12835827	12836825	Gmdrm	hypo	CHH	-0.0296
Gm14	12838430	12839205	Gmdrm	hypo	CHH	-0.0435
Gm14	12847075	12848072	Gmdrm	hypo	CHH	-0.025
Gm14	12858860	12859445	Gmdrm	hypo	CHH	-0.0753
Gm14	12859548	12859966	Gmdrm	hypo	CHH	-0.0705
Gm14	12860168	12861134	Gmdrm	hypo	CHH	-0.0219
Gm14	12861173	12862150	Gmdrm	hypo	CHH	-0.0505
Gm14	12865470	12866470	Gmdrm	hypo	CHH	-0.0233
Gm14	12867518	12868507	Gmdrm	hypo	CHH	-0.0284
Gm14	12868526	12869509	Gmdrm	hypo	CHH	-0.0879
Gm14	12887637	12888610	Gmdrm	hypo	CHH	-0.0289
Gm14	12888648	12889593	Gmdrm	hypo	CHH	-0.1941
Gm14	12895139	12896139	Gmdrm	hypo	CHH	-0.0418
Gm14	12898192	12899148	Gmdrm	hypo	CHH	-0.0445
Gm14	12908587	12909574	Gmdrm	hypo	CHH	-0.0482
Gm14	12909877	12910871	Gmdrm	hypo	CHH	-0.0894
Gm14	12910883	12911854	Gmdrm	hypo	CHH	-0.0341
Gm14	12919263	12920248	Gmdrm	hypo	CHH	-0.0297
Gm14	12921710	12921969	Gmdrm	hypo	CHH	-0.26
Gm14	12924065	12924763	Gmdrm	hypo	CHH	-0.0884
Gm14	12927363	12928360	Gmdrm	hypo	CHH	-0.1182
Gm14	12931430	12931949	Gmdrm	hypo	CHH	-0.0717
Gm14	12932054	12932382	Gmdrm	hypo	CHH	-0.1069
Gm14	12934962	12935958	Gmdrm	hypo	CHH	-0.084
Gm14	12938868	12939852	Gmdrm	hypo	CHH	-0.0385
Gm14	12941938	12942937	Gmdrm	hypo	CHH	-0.0443
Gm14	12942954	12943947	Gmdrm	hypo	CHH	-0.0995
Gm14	12943956	12944951	Gmdrm	hypo	CHH	-0.2059
Gm14	12944958	12945958	Gmdrm	hypo	CHH	-0.0947
Gm14	12989056	12989995	Gmdrm	hypo	CHH	-0.0692
Gm14	12994132	12995094	Gmdrm	hypo	CHH	-0.0156
Gm14	13041423	13042393	Gmdrm	hypo	CHH	-0.0455
Gm14	13042444	13042640	Gmdrm	hypo	CHH	-0.039
Gm14	13044882	13045863	Gmdrm	hypo	CHH	-0.0248
Gm14	13051995	13052903	Gmdrm	hypo	CHH	-0.022
Gm14	13055339	13055801	Gmdrm	hypo	CHH	-0.0371
Gm14	13055913	13056573	Gmdrm	hypo	CHH	-0.1892
Gm14	13074886	13075049	Gmdrm	hypo	CHH	-0.082
Gm14	13082237	13083236	Gmdrm	hypo	CHH	-0.0705
Gm14	13083244	13083735	Gmdrm	hypo	CHH	-0.092
Gm14	13094888	13094954	Gmdrm	hypo	CHH	-0.1884
Gm14	13096400	13097383	Gmdrm	hypo	CHH	-0.0556
Gm14	13101314	13102296	Gmdrm	hypo	CHH	-0.0383
Gm14	13102998	13103998	Gmdrm	hypo	CHH	-0.2626
Gm14	13116176	13117044	Gmdrm	hypo	CHH	-0.0839
Gm14	13117145	13118145	Gmdrm	hypo	CHH	-0.0461

Gm14	13120896	13121855	Gmdrm	hypo	CHH	-0.0449
Gm14	13153747	13154747	Gmdrm	hypo	CHH	-0.0751
Gm14	13154748	13155687	Gmdrm	hypo	CHH	-0.0892
Gm14	13191715	13192692	Gmdrm	hypo	CHH	-0.057
Gm14	13197023	13198011	Gmdrm	hypo	CHH	-0.0173
Gm14	13198026	13199024	Gmdrm	hypo	CHH	-0.0426
Gm14	13203028	13204007	Gmdrm	hypo	CHH	-0.0879
Gm14	13205804	13206803	Gmdrm	hypo	CHH	-0.0965
Gm14	13206805	13207792	Gmdrm	hypo	CHH	-0.0469
Gm14	13208675	13209669	Gmdrm	hypo	CHH	-0.0266
Gm14	13209684	13210679	Gmdrm	hypo	CHH	-0.0588
Gm14	13211925	13212924	Gmdrm	hypo	CHH	-0.0235
Gm14	13212930	13213930	Gmdrm	hypo	CHH	-0.1237
Gm14	13231924	13232924	Gmdrm	hypo	CHH	-0.0645
Gm14	13326765	13327711	Gmdrm	hypo	CHH	-0.0183
Gm14	13329519	13330506	Gmdrm	hypo	CHH	-0.0158
Gm14	13331422	13332421	Gmdrm	hypo	CHH	-0.1299
Gm14	13338333	13339316	Gmdrm	hypo	CHH	-0.0415
Gm14	13339337	13340067	Gmdrm	hypo	CHH	-0.0446
Gm14	13345266	13346260	Gmdrm	hypo	CHH	-0.0335
Gm14	13359309	13360306	Gmdrm	hypo	CHH	-0.0763
Gm14	13361372	13362370	Gmdrm	hypo	CHH	-0.062
Gm14	13369871	13370857	Gmdrm	hypo	CHH	-0.0159
Gm14	13372970	13373592	Gmdrm	hypo	CHH	-0.0471
Gm14	13375401	13376381	Gmdrm	hypo	CHH	-0.0763
Gm14	13376405	13377384	Gmdrm	hypo	CHH	-0.0342
Gm14	13382709	13383700	Gmdrm	hypo	CHH	-0.0298
Gm14	13406890	13407888	Gmdrm	hypo	CHH	-0.1283
Gm14	13428836	13429833	Gmdrm	hypo	CHH	-0.1707
Gm14	13438978	13439782	Gmdrm	hypo	CHH	-0.0196
Gm14	13449582	13450578	Gmdrm	hypo	CHH	-0.0363
Gm14	13461975	13462902	Gmdrm	hypo	CHH	-0.033
Gm14	13523698	13524679	Gmdrm	hypo	CHH	-0.0353
Gm14	13535110	13536110	Gmdrm	hypo	CHH	-0.0609
Gm14	13538626	13538991	Gmdrm	hypo	CHH	-0.0264
Gm14	13542306	13542610	Gmdrm	hypo	CHH	-0.0787
Gm14	13542987	13543986	Gmdrm	hypo	CHH	-0.0261
Gm14	13544015	13544999	Gmdrm	hypo	CHH	-0.0314
Gm14	13545986	13546304	Gmdrm	hypo	CHH	-0.0233
Gm14	13550198	13551180	Gmdrm	hypo	CHH	-0.1877
Gm14	13578569	13579546	Gmdrm	hypo	CHH	-0.0669
Gm14	13586628	13587613	Gmdrm	hypo	CHH	-0.0707
Gm14	13588666	13589665	Gmdrm	hypo	CHH	-0.0142
Gm14	13613385	13614139	Gmdrm	hypo	CHH	-0.0995
Gm14	13614487	13615474	Gmdrm	hypo	CHH	-0.0151
Gm14	13618931	13619925	Gmdrm	hypo	CHH	-0.2406

Gm14	13619932	13620929	Gmdrm	hypo	CHH	-0.1235
Gm14	13620939	13621938	Gmdrm	hypo	CHH	-0.0757
Gm14	13623948	13624942	Gmdrm	hypo	CHH	-0.0332
Gm14	13628990	13629988	Gmdrm	hypo	CHH	-0.0568
Gm14	13648045	13649026	Gmdrm	hypo	CHH	-0.0586
Gm14	13649694	13650692	Gmdrm	hypo	CHH	-0.0229
Gm14	13662843	13663768	Gmdrm	hypo	CHH	-0.1963
Gm14	13677116	13678111	Gmdrm	hypo	CHH	-0.015
Gm14	13722711	13723698	Gmdrm	hypo	CHH	-0.0573
Gm14	13736122	13736972	Gmdrm	hypo	CHH	-0.0417
Gm14	13744450	13745430	Gmdrm	hypo	CHH	-0.0225
Gm14	13756882	13757879	Gmdrm	hypo	CHH	-0.0344
Gm14	13759280	13760279	Gmdrm	hypo	CHH	-0.0612
Gm14	13793498	13794496	Gmdrm	hypo	CHH	-0.1531
Gm14	13794508	13795487	Gmdrm	hypo	CHH	-0.036
Gm14	13803644	13804644	Gmdrm	hypo	CHH	-0.1358
Gm14	13830582	13831002	Gmdrm	hypo	CHH	-0.0361
Gm14	13837203	13837754	Gmdrm	hypo	CHH	-0.0259
Gm14	13837893	13838884	Gmdrm	hypo	CHH	-0.0311
Gm14	13868301	13869301	Gmdrm	hypo	CHH	-0.0366
Gm14	13897865	13898862	Gmdrm	hypo	CHH	-0.1014
Gm14	13918695	13919354	Gmdrm	hypo	CHH	-0.0205
Gm14	13971090	13972090	Gmdrm	hypo	CHH	-0.0298
Gm14	13978073	13979070	Gmdrm	hypo	CHH	-0.0532
Gm14	13981126	13982122	Gmdrm	hypo	CHH	-0.0365
Gm14	13982128	13983128	Gmdrm	hypo	CHH	-0.0661
Gm14	13992958	13993927	Gmdrm	hypo	CHH	-0.1229
Gm14	13993972	13994972	Gmdrm	hypo	CHH	-0.0422
Gm14	13994974	13995970	Gmdrm	hypo	CHH	-0.0738
Gm14	13995990	13996971	Gmdrm	hypo	CHH	-0.1617
Gm14	13999673	14000665	Gmdrm	hypo	CHH	-0.0144
Gm14	14002668	14003661	Gmdrm	hypo	CHH	-0.0256
Gm14	14008172	14008476	Gmdrm	hypo	CHH	-0.1506
Gm14	14008588	14009541	Gmdrm	hypo	CHH	-0.1728
Gm14	14009745	14009946	Gmdrm	hypo	CHH	-0.0594
Gm14	14015627	14016623	Gmdrm	hypo	CHH	-0.0205
Gm14	14022856	14023856	Gmdrm	hypo	CHH	-0.0223
Gm14	14023864	14024863	Gmdrm	hypo	CHH	-0.0293
Gm14	14024872	14025867	Gmdrm	hypo	CHH	-0.0557
Gm14	14031280	14032188	Gmdrm	hypo	CHH	-0.1154
Gm14	14033381	14034372	Gmdrm	hypo	CHH	-0.0212
Gm14	14038652	14039642	Gmdrm	hypo	CHH	-0.0184
Gm14	14039659	14040646	Gmdrm	hypo	CHH	-0.0259
Gm14	14041477	14042468	Gmdrm	hypo	CHH	-0.0241
Gm14	14042481	14043477	Gmdrm	hypo	CHH	-0.0419
Gm14	14047928	14048915	Gmdrm	hypo	CHH	-0.1098

Gm14	14049933	14050930 Gmdrm	hypo	CHH	-0.0931
Gm14	14063859	14064849 Gmdrm	hypo	CHH	-0.0525
Gm14	14083159	14084144 Gmdrm	hypo	CHH	-0.0111
Gm14	14162952	14163153 Gmdrm	hypo	CHH	-0.0278
Gm14	14163649	14164643 Gmdrm	hypo	CHH	-0.0236
Gm14	14164650	14165626 Gmdrm	hypo	CHH	-0.0663
Gm14	14165651	14165913 Gmdrm	hypo	CHH	-0.1753
Gm14	14243519	14244519 Gmdrm	hypo	CHH	-0.0323
Gm14	14253662	14254639 Gmdrm	hypo	CHH	-0.0371
Gm14	14254800	14255410 Gmdrm	hypo	CHH	-0.0603
Gm14	14255525	14256523 Gmdrm	hypo	CHH	-0.0687
Gm14	14257534	14258289 Gmdrm	hypo	CHH	-0.0505
Gm14	14264498	14265498 Gmdrm	hypo	CHH	-0.0581
Gm14	14265502	14266501 Gmdrm	hypo	CHH	-0.1386
Gm14	14269645	14270622 Gmdrm	hypo	CHH	-0.0448
Gm14	14272810	14273810 Gmdrm	hypo	CHH	-0.0403
Gm14	14308662	14309645 Gmdrm	hypo	CHH	-0.0769
Gm14	14312858	14313837 Gmdrm	hypo	CHH	-0.0247
Gm14	14316091	14317036 Gmdrm	hypo	CHH	-0.0687
Gm14	14317105	14317654 Gmdrm	hypo	CHH	-0.0365
Gm14	14317819	14318818 Gmdrm	hypo	CHH	-0.0153
Gm14	14334488	14335484 Gmdrm	hypo	CHH	-0.0341
Gm14	14335490	14335712 Gmdrm	hypo	CHH	-0.0946
Gm14	14336359	14337336 Gmdrm	hypo	CHH	-0.0274
Gm14	14337361	14337812 Gmdrm	hypo	CHH	-0.0437
Gm14	14339945	14340757 Gmdrm	hypo	CHH	-0.0124
Gm14	14343939	14344400 Gmdrm	hypo	CHH	-0.221
Gm14	14344555	14345554 Gmdrm	hypo	CHH	-0.0373
Gm14	14383373	14384366 Gmdrm	hypo	CHH	-0.0241
Gm14	14385390	14386384 Gmdrm	hypo	CHH	-0.0147
Gm14	14386391	14387347 Gmdrm	hypo	CHH	-0.0183
Gm14	14388795	14389744 Gmdrm	hypo	CHH	-0.0426
Gm14	14392878	14393249 Gmdrm	hypo	CHH	-0.0206
Gm14	14393380	14394363 Gmdrm	hypo	CHH	-0.0807
Gm14	14401368	14402335 Gmdrm	hypo	CHH	-0.0665
Gm14	14405428	14406422 Gmdrm	hypo	CHH	-0.0422
Gm14	14457012	14458006 Gmdrm	hypo	CHH	-0.0137
Gm14	14458018	14459009 Gmdrm	hypo	CHH	-0.0754
Gm14	14459040	14459636 Gmdrm	hypo	CHH	-0.0738
Gm14	14460934	14461931 Gmdrm	hypo	CHH	-0.0875
Gm14	14462947	14463937 Gmdrm	hypo	CHH	-0.0679
Gm14	14474851	14475845 Gmdrm	hypo	CHH	-0.0268
Gm14	14476909	14477885 Gmdrm	hypo	CHH	-0.0242
Gm14	14480708	14481708 Gmdrm	hypo	CHH	-0.0494
Gm14	14486693	14487689 Gmdrm	hypo	CHH	-0.0417
Gm14	14490723	14491698 Gmdrm	hypo	CHH	-0.0371

Gm14	14492726	14493724	Gmdrm	hypo	CHH	-0.0218
Gm14	14494742	14495736	Gmdrm	hypo	CHH	-0.0156
Gm14	14500616	14501613	Gmdrm	hypo	CHH	-0.1771
Gm14	14501617	14501873	Gmdrm	hypo	CHH	-0.3369
Gm14	14519964	14520946	Gmdrm	hypo	CHH	-0.0376
Gm14	14535459	14536458	Gmdrm	hypo	CHH	-0.0559
Gm14	14536460	14537458	Gmdrm	hypo	CHH	-0.0801
Gm14	14537462	14538460	Gmdrm	hypo	CHH	-0.0442
Gm14	14676235	14676684	Gmdrm	hypo	CHH	-0.0667
Gm14	14701990	14702976	Gmdrm	hypo	CHH	-0.0389
Gm14	14709380	14710374	Gmdrm	hypo	CHH	-0.0306
Gm14	14712404	14713377	Gmdrm	hypo	CHH	-0.0274
Gm14	14719834	14720833	Gmdrm	hypo	CHH	-0.0397
Gm14	14722934	14723926	Gmdrm	hypo	CHH	-0.0447
Gm14	14860232	14861205	Gmdrm	hypo	CHH	-0.0813
Gm14	14912240	14913233	Gmdrm	hypo	CHH	-0.0372
Gm14	14970781	14971080	Gmdrm	hypo	CHH	-0.0186
Gm14	15744689	15744741	Gmdrm	hypo	CHH	-0.17
Gm14	15795662	15796289	Gmdrm	hypo	CHH	-0.0254
Gm14	15805254	15805517	Gmdrm	hypo	CHH	-0.0245
Gm14	15813338	15813488	Gmdrm	hypo	CHH	-0.0733
Gm14	15852585	15853209	Gmdrm	hypo	CHH	-0.0376
Gm14	15856104	15857100	Gmdrm	hypo	CHH	-0.0291
Gm14	15863485	15864484	Gmdrm	hypo	CHH	-0.0784
Gm14	15864487	15865481	Gmdrm	hypo	CHH	-0.0515
Gm14	15865519	15866486	Gmdrm	hypo	CHH	-0.0196
Gm14	15866521	15867259	Gmdrm	hypo	CHH	-0.0626
Gm14	15867926	15868925	Gmdrm	hypo	CHH	-0.0607
Gm14	15868928	15869588	Gmdrm	hypo	CHH	-0.0517
Gm14	15974210	15975210	Gmdrm	hypo	CHH	-0.0624
Gm14	15977227	15978222	Gmdrm	hypo	CHH	-0.028
Gm14	15989424	15990414	Gmdrm	hypo	CHH	-0.0154
Gm14	16036707	16037703	Gmdrm	hypo	CHH	-0.019
Gm14	16038712	16039705	Gmdrm	hypo	CHH	-0.0297
Gm14	16039725	16040672	Gmdrm	hypo	CHH	-0.0154
Gm14	16078612	16079609	Gmdrm	hypo	CHH	-0.0294
Gm14	16126529	16127529	Gmdrm	hypo	CHH	-0.0683
Gm14	16127533	16128475	Gmdrm	hypo	CHH	-0.1357
Gm14	16132390	16133368	Gmdrm	hypo	CHH	-0.0599
Gm14	16187489	16188458	Gmdrm	hypo	CHH	-0.014
Gm14	16192884	16193882	Gmdrm	hypo	CHH	-0.1076
Gm14	16194172	16195171	Gmdrm	hypo	CHH	-0.0601
Gm14	16252815	16253815	Gmdrm	hypo	CHH	-0.0631
Gm14	16253822	16254819	Gmdrm	hypo	CHH	-0.0768
Gm14	16266479	16267477	Gmdrm	hypo	CHH	-0.047
Gm14	16271503	16272500	Gmdrm	hypo	CHH	-0.0323

Gm14	16272506	16273106	Gmdrm	hypo	CHH	-0.0194
Gm14	16371852	16372851	Gmdrm	hypo	CHH	-0.114
Gm14	16374880	16375357	Gmdrm	hypo	CHH	-0.1944
Gm14	16399562	16400542	Gmdrm	hypo	CHH	-0.0506
Gm14	16403242	16404239	Gmdrm	hypo	CHH	-0.0486
Gm14	16404248	16405222	Gmdrm	hypo	CHH	-0.0502
Gm14	16405251	16406237	Gmdrm	hypo	CHH	-0.0136
Gm14	16450272	16451272	Gmdrm	hypo	CHH	-0.2491
Gm14	16451273	16451845	Gmdrm	hypo	CHH	-0.1836
Gm14	16454459	16454734	Gmdrm	hypo	CHH	-0.1709
Gm14	16463575	16464549	Gmdrm	hypo	CHH	-0.0234
Gm14	16472247	16473243	Gmdrm	hypo	CHH	-0.0093
Gm14	16531568	16531698	Gmdrm	hypo	CHH	-0.1357
Gm14	16570217	16571190	Gmdrm	hypo	CHH	-0.0938
Gm14	16571242	16572236	Gmdrm	hypo	CHH	-0.0483
Gm14	16822041	16823041	Gmdrm	hypo	CHH	-0.021
Gm14	16941160	16942157	Gmdrm	hypo	CHH	-0.0318
Gm14	16992593	16993587	Gmdrm	hypo	CHH	-0.027
Gm14	16995705	16996656	Gmdrm	hypo	CHH	-0.035
Gm14	16999686	16999920	Gmdrm	hypo	CHH	-0.035
Gm14	17002100	17003096	Gmdrm	hypo	CHH	-0.0388
Gm14	17041201	17041855	Gmdrm	hypo	CHH	-0.119
Gm14	17047813	17048805	Gmdrm	hypo	CHH	-0.0597
Gm14	17048837	17049814	Gmdrm	hypo	CHH	-0.0391
Gm14	17261566	17262560	Gmdrm	hypo	CHH	-0.0557
Gm14	17272333	17273306	Gmdrm	hypo	CHH	-0.0173
Gm14	17274107	17275098	Gmdrm	hypo	CHH	-0.0234
Gm14	17279162	17280141	Gmdrm	hypo	CHH	-0.0509
Gm14	17281087	17281575	Gmdrm	hypo	CHH	-0.3809
Gm14	17393017	17393989	Gmdrm	hypo	CHH	-0.0181
Gm14	17394373	17395362	Gmdrm	hypo	CHH	-0.014
Gm14	17512739	17513734	Gmdrm	hypo	CHH	-0.0504
Gm14	17533388	17534388	Gmdrm	hypo	CHH	-0.0927
Gm14	17534389	17535384	Gmdrm	hypo	CHH	-0.0623
Gm14	17536417	17537120	Gmdrm	hypo	CHH	-0.0234
Gm14	17537399	17537597	Gmdrm	hypo	CHH	-0.0425
Gm14	17538689	17539657	Gmdrm	hypo	CHH	-0.0211
Gm14	17543459	17544451	Gmdrm	hypo	CHH	-0.0173
Gm14	17544461	17545458	Gmdrm	hypo	CHH	-0.1536
Gm14	17545472	17546246	Gmdrm	hypo	CHH	-0.2118
Gm14	17569540	17570536	Gmdrm	hypo	CHH	-0.0159
Gm14	17571156	17572140	Gmdrm	hypo	CHH	-0.0205
Gm14	17574127	17574282	Gmdrm	hypo	CHH	-0.0416
Gm14	17575423	17576384	Gmdrm	hypo	CHH	-0.026
Gm14	17583538	17584525	Gmdrm	hypo	CHH	-0.0264
Gm14	17666537	17667507	Gmdrm	hypo	CHH	-0.0389

Gm14	17675339	17676322	Gmdrm	hypo	CHH	-0.0233
Gm14	17676344	17676761	Gmdrm	hypo	CHH	-0.0603
Gm14	17682345	17682595	Gmdrm	hypo	CHH	-0.068
Gm14	17687863	17688845	Gmdrm	hypo	CHH	-0.0633
Gm14	17688877	17689866	Gmdrm	hypo	CHH	-0.0341
Gm14	17689894	17690886	Gmdrm	hypo	CHH	-0.0304
Gm14	17690897	17691503	Gmdrm	hypo	CHH	-0.0742
Gm14	17691941	17692941	Gmdrm	hypo	CHH	-0.0567
Gm14	17694428	17695419	Gmdrm	hypo	CHH	-0.0341
Gm14	17707057	17708026	Gmdrm	hypo	CHH	-0.0566
Gm14	17708086	17709053	Gmdrm	hypo	CHH	-0.0629
Gm14	17728830	17729104	Gmdrm	hypo	CHH	-0.04
Gm14	17736002	17736185	Gmdrm	hypo	CHH	-0.1684
Gm14	17777696	17778635	Gmdrm	hypo	CHH	-0.0435
Gm14	17781808	17782408	Gmdrm	hypo	CHH	-0.0462
Gm14	17784052	17785047	Gmdrm	hypo	CHH	-0.0412
Gm14	17796797	17797785	Gmdrm	hypo	CHH	-0.0239
Gm14	17800576	17801564	Gmdrm	hypo	CHH	-0.1348
Gm14	17801580	17802580	Gmdrm	hypo	CHH	-0.1837
Gm14	17802582	17803578	Gmdrm	hypo	CHH	-0.1634
Gm14	17803595	17804589	Gmdrm	hypo	CHH	-0.0971
Gm14	17805861	17806861	Gmdrm	hypo	CHH	-0.0234
Gm14	17809625	17810623	Gmdrm	hypo	CHH	-0.0912
Gm14	17856404	17857399	Gmdrm	hypo	CHH	-0.0393
Gm14	17861684	17862644	Gmdrm	hypo	CHH	-0.0121
Gm14	17883704	17884548	Gmdrm	hypo	CHH	-0.0758
Gm14	17890460	17891075	Gmdrm	hypo	CHH	-0.0298
Gm14	17892258	17893232	Gmdrm	hypo	CHH	-0.0641
Gm14	17893271	17894269	Gmdrm	hypo	CHH	-0.0877
Gm14	17894298	17894666	Gmdrm	hypo	CHH	-0.0209
Gm14	17894772	17895212	Gmdrm	hypo	CHH	-0.0375
Gm14	18017960	18018953	Gmdrm	hypo	CHH	-0.0229
Gm14	18018969	18019940	Gmdrm	hypo	CHH	-0.032
Gm14	18021075	18022015	Gmdrm	hypo	CHH	-0.0142
Gm14	18025957	18026951	Gmdrm	hypo	CHH	-0.0203
Gm14	18039682	18040668	Gmdrm	hypo	CHH	-0.0305
Gm14	18043781	18043905	Gmdrm	hypo	CHH	-0.048
Gm14	18047076	18048036	Gmdrm	hypo	CHH	-0.065
Gm14	18048079	18049070	Gmdrm	hypo	CHH	-0.0659
Gm14	18049085	18050077	Gmdrm	hypo	CHH	-0.1732
Gm14	18050089	18051087	Gmdrm	hypo	CHH	-0.0597
Gm14	18162386	18163025	Gmdrm	hypo	CHH	-0.0327
Gm14	18163197	18164191	Gmdrm	hypo	CHH	-0.0313
Gm14	18165205	18166200	Gmdrm	hypo	CHH	-0.0353
Gm14	18171175	18172166	Gmdrm	hypo	CHH	-0.0374
Gm14	18230870	18231869	Gmdrm	hypo	CHH	-0.0392

Gm14	18231911	18232496	Gmdrm	hypo	CHH	-0.0586
Gm14	18233950	18234949	Gmdrm	hypo	CHH	-0.0664
Gm14	18237163	18237214	Gmdrm	hypo	CHH	-0.448
Gm14	18248222	18248382	Gmdrm	hypo	CHH	-0.1
Gm14	18248845	18249176	Gmdrm	hypo	CHH	-0.0832
Gm14	18272421	18273061	Gmdrm	hypo	CHH	-0.0787
Gm14	18285930	18286928	Gmdrm	hypo	CHH	-0.022
Gm14	18287949	18288943	Gmdrm	hypo	CHH	-0.0259
Gm14	18306764	18307707	Gmdrm	hypo	CHH	-0.0239
Gm14	18312122	18313093	Gmdrm	hypo	CHH	-0.0184
Gm14	18314308	18315307	Gmdrm	hypo	CHH	-0.0237
Gm14	18315693	18315778	Gmdrm	hypo	CHH	-0.0817
Gm14	18316977	18317030	Gmdrm	hypo	CHH	-0.064
Gm14	18318554	18319550	Gmdrm	hypo	CHH	-0.1776
Gm14	18319556	18320555	Gmdrm	hypo	CHH	-0.0373
Gm14	18355109	18356105	Gmdrm	hypo	CHH	-0.0391
Gm14	18360487	18361486	Gmdrm	hypo	CHH	-0.0721
Gm14	18361490	18362490	Gmdrm	hypo	CHH	-0.0657
Gm14	18382484	18383480	Gmdrm	hypo	CHH	-0.0464
Gm14	18383487	18384487	Gmdrm	hypo	CHH	-0.0315
Gm14	18390663	18391661	Gmdrm	hypo	CHH	-0.0337
Gm14	18400763	18401558	Gmdrm	hypo	CHH	-0.0369
Gm14	18402736	18403733	Gmdrm	hypo	CHH	-0.0443
Gm14	18403738	18404733	Gmdrm	hypo	CHH	-0.1215
Gm14	18404753	18405745	Gmdrm	hypo	CHH	-0.2226
Gm14	18408264	18408671	Gmdrm	hypo	CHH	-0.1194
Gm14	18408871	18409256	Gmdrm	hypo	CHH	-0.0931
Gm14	18415057	18415103	Gmdrm	hypo	CHH	-0.104
Gm14	18437988	18438392	Gmdrm	hypo	CHH	-0.0647
Gm14	18460480	18461478	Gmdrm	hypo	CHH	-0.0158
Gm14	18462549	18463545	Gmdrm	hypo	CHH	-0.0645
Gm14	18465573	18466569	Gmdrm	hypo	CHH	-0.1007
Gm14	18470071	18470636	Gmdrm	hypo	CHH	-0.3365
Gm14	18471900	18472759	Gmdrm	hypo	CHH	-0.0767
Gm14	18511553	18512543	Gmdrm	hypo	CHH	-0.0179
Gm14	18512566	18513563	Gmdrm	hypo	CHH	-0.1208
Gm14	18523709	18524680	Gmdrm	hypo	CHH	-0.2281
Gm14	18552757	18552778	Gmdrm	hypo	CHH	-0.0266
Gm14	18552893	18553892	Gmdrm	hypo	CHH	-0.0918
Gm14	18579394	18579859	Gmdrm	hypo	CHH	-0.0454
Gm14	18592646	18593646	Gmdrm	hypo	CHH	-0.0472
Gm14	18621604	18622582	Gmdrm	hypo	CHH	-0.021
Gm14	18649112	18650080	Gmdrm	hypo	CHH	-0.0474
Gm14	18655798	18656795	Gmdrm	hypo	CHH	-0.0397
Gm14	18657348	18658344	Gmdrm	hypo	CHH	-0.1091
Gm14	18666470	18666901	Gmdrm	hypo	CHH	-0.0526

Gm14	18667286	18668236	Gmdrm	hypo	CHH	-0.0675
Gm14	18675369	18676298	Gmdrm	hypo	CHH	-0.1253
Gm14	18676432	18677430	Gmdrm	hypo	CHH	-0.116
Gm14	18694089	18695036	Gmdrm	hypo	CHH	-0.0368
Gm14	18698112	18699112	Gmdrm	hypo	CHH	-0.2317
Gm14	18699113	18699938	Gmdrm	hypo	CHH	-0.1986
Gm14	18700042	18701029	Gmdrm	hypo	CHH	-0.1648
Gm14	18701905	18702888	Gmdrm	hypo	CHH	-0.0508
Gm14	18703653	18704622	Gmdrm	hypo	CHH	-0.0214
Gm14	18723813	18724812	Gmdrm	hypo	CHH	-0.0329
Gm14	18729551	18730550	Gmdrm	hypo	CHH	-0.1071
Gm14	18730556	18731556	Gmdrm	hypo	CHH	-0.0852
Gm14	18732345	18733344	Gmdrm	hypo	CHH	-0.0564
Gm14	18745187	18746186	Gmdrm	hypo	CHH	-0.0497
Gm14	18746197	18747190	Gmdrm	hypo	CHH	-0.0571
Gm14	18752494	18753456	Gmdrm	hypo	CHH	-0.0541
Gm14	18754169	18755168	Gmdrm	hypo	CHH	-0.0266
Gm14	18755179	18756178	Gmdrm	hypo	CHH	-0.1514
Gm14	18759110	18760110	Gmdrm	hypo	CHH	-0.0256
Gm14	18770196	18771196	Gmdrm	hypo	CHH	-0.0264
Gm14	18771203	18772202	Gmdrm	hypo	CHH	-0.0808
Gm14	18772205	18773186	Gmdrm	hypo	CHH	-0.0223
Gm14	18917286	18918138	Gmdrm	hypo	CHH	-0.0663
Gm14	18927502	18928494	Gmdrm	hypo	CHH	-0.0545
Gm14	18975930	18976926	Gmdrm	hypo	CHH	-0.0357
Gm14	19036037	19037035	Gmdrm	hypo	CHH	-0.0285
Gm14	19037043	19038031	Gmdrm	hypo	CHH	-0.0579
Gm14	19060151	19061079	Gmdrm	hypo	CHH	-0.0375
Gm14	19066799	19067778	Gmdrm	hypo	CHH	-0.0257
Gm14	19069973	19070971	Gmdrm	hypo	CHH	-0.0838
Gm14	19070978	19071978	Gmdrm	hypo	CHH	-0.0607
Gm14	19075009	19076009	Gmdrm	hypo	CHH	-0.0545
Gm14	19082193	19083193	Gmdrm	hypo	CHH	-0.0419
Gm14	19106347	19106715	Gmdrm	hypo	CHH	-0.0406
Gm14	19139889	19140883	Gmdrm	hypo	CHH	-0.032
Gm14	19145801	19146771	Gmdrm	hypo	CHH	-0.015
Gm14	19159901	19160893	Gmdrm	hypo	CHH	-0.2426
Gm14	19176706	19176812	Gmdrm	hypo	CHH	-0.2038
Gm14	19191375	19192349	Gmdrm	hypo	CHH	-0.028
Gm14	19192417	19193381	Gmdrm	hypo	CHH	-0.0179
Gm14	19197749	19198749	Gmdrm	hypo	CHH	-0.0971
Gm14	19213476	19214474	Gmdrm	hypo	CHH	-0.0388
Gm14	19234825	19235796	Gmdrm	hypo	CHH	-0.0156
Gm14	19235844	19236843	Gmdrm	hypo	CHH	-0.0496
Gm14	19236848	19237848	Gmdrm	hypo	CHH	-0.1106
Gm14	19239849	19240849	Gmdrm	hypo	CHH	-0.077

Gm14	19240850	19241822	Gmdrm	hypo	CHH	-0.0296
Gm14	19243498	19244496	Gmdrm	hypo	CHH	-0.0395
Gm14	19250047	19251047	Gmdrm	hypo	CHH	-0.0942
Gm14	19251051	19251319	Gmdrm	hypo	CHH	-0.0698
Gm14	19284653	19285638	Gmdrm	hypo	CHH	-0.0343
Gm14	19285655	19286645	Gmdrm	hypo	CHH	-0.0192
Gm14	19301339	19302321	Gmdrm	hypo	CHH	-0.0665
Gm14	19302345	19303345	Gmdrm	hypo	CHH	-0.124
Gm14	19304354	19305059	Gmdrm	hypo	CHH	-0.0533
Gm14	19331117	19332116	Gmdrm	hypo	CHH	-0.0144
Gm14	19344504	19345482	Gmdrm	hypo	CHH	-0.1056
Gm14	19357975	19358954	Gmdrm	hypo	CHH	-0.0887
Gm14	19359810	19360807	Gmdrm	hypo	CHH	-0.0265
Gm14	19457023	19458006	Gmdrm	hypo	CHH	-0.0104
Gm14	19462990	19463990	Gmdrm	hypo	CHH	-0.0612
Gm14	19463992	19464989	Gmdrm	hypo	CHH	-0.02
Gm14	19503670	19504658	Gmdrm	hypo	CHH	-0.021
Gm14	19529731	19530730	Gmdrm	hypo	CHH	-0.023
Gm14	19530736	19531736	Gmdrm	hypo	CHH	-0.1964
Gm14	19569164	19570158	Gmdrm	hypo	CHH	-0.2901
Gm14	19582496	19582698	Gmdrm	hypo	CHH	-0.2066
Gm14	19584514	19585072	Gmdrm	hypo	CHH	-0.0747
Gm14	19585804	19586201	Gmdrm	hypo	CHH	-0.45
Gm14	19643762	19644762	Gmdrm	hypo	CHH	-0.0513
Gm14	19644763	19645763	Gmdrm	hypo	CHH	-0.0479
Gm14	19655094	19656089	Gmdrm	hypo	CHH	-0.0679
Gm14	19748940	19749938	Gmdrm	hypo	CHH	-0.0304
Gm14	19849823	19850795	Gmdrm	hypo	CHH	-0.0519
Gm14	19884871	19885223	Gmdrm	hypo	CHH	-0.0508
Gm14	19885400	19886378	Gmdrm	hypo	CHH	-0.0245
Gm14	19888467	19889001	Gmdrm	hypo	CHH	-0.0344
Gm14	19890185	19891163	Gmdrm	hypo	CHH	-0.0466
Gm14	20005490	20006484	Gmdrm	hypo	CHH	-0.0324
Gm14	20010280	20011280	Gmdrm	hypo	CHH	-0.0481
Gm14	20031430	20031876	Gmdrm	hypo	CHH	-0.0459
Gm14	20040671	20041670	Gmdrm	hypo	CHH	-0.072
Gm14	20041674	20042674	Gmdrm	hypo	CHH	-0.0621
Gm14	20085043	20086041	Gmdrm	hypo	CHH	-0.0177
Gm14	20092226	20093188	Gmdrm	hypo	CHH	-0.0482
Gm14	20093235	20094231	Gmdrm	hypo	CHH	-0.011
Gm14	20094240	20095232	Gmdrm	hypo	CHH	-0.0541
Gm14	20095282	20096260	Gmdrm	hypo	CHH	-0.2099
Gm14	20142756	20143422	Gmdrm	hypo	CHH	-0.0176
Gm14	20222263	20222319	Gmdrm	hypo	CHH	-0.2558
Gm14	20552940	20553940	Gmdrm	hypo	CHH	-0.0653
Gm14	20564011	20565011	Gmdrm	hypo	CHH	-0.0648

Gm14	20565015	20566015	Gmdrm	hypo	CHH	-0.1369
Gm14	20579240	20580226	Gmdrm	hypo	CHH	-0.1758
Gm14	20621054	20622046	Gmdrm	hypo	CHH	-0.0539
Gm14	20637071	20638071	Gmdrm	hypo	CHH	-0.0368
Gm14	20730973	20731961	Gmdrm	hypo	CHH	-0.0158
Gm14	20797743	20798740	Gmdrm	hypo	CHH	-0.016
Gm14	20804364	20805356	Gmdrm	hypo	CHH	-0.0272
Gm14	20814164	20815160	Gmdrm	hypo	CHH	-0.0402
Gm14	20816171	20817160	Gmdrm	hypo	CHH	-0.0167
Gm14	20842654	20842818	Gmdrm	hypo	CHH	-0.1995
Gm14	21173909	21174905	Gmdrm	hypo	CHH	-0.0407
Gm14	21194885	21195068	Gmdrm	hypo	CHH	-0.0661
Gm14	21203629	21204614	Gmdrm	hypo	CHH	-0.0182
Gm14	21209302	21210297	Gmdrm	hypo	CHH	-0.0447
Gm14	21210305	21211300	Gmdrm	hypo	CHH	-0.0778
Gm14	21250383	21250623	Gmdrm	hypo	CHH	-0.0647
Gm14	21433323	21433341	Gmdrm	hypo	CHH	-0.24
Gm14	21624638	21625588	Gmdrm	hypo	CHH	-0.0356
Gm14	21752010	21752889	Gmdrm	hypo	CHH	-0.0257
Gm14	21765529	21766471	Gmdrm	hypo	CHH	-0.0134
Gm14	21766533	21767524	Gmdrm	hypo	CHH	-0.0278
Gm14	21984347	21985025	Gmdrm	hypo	CHH	-0.2606
Gm14	21993204	21994195	Gmdrm	hypo	CHH	-0.1174
Gm14	21994206	21995206	Gmdrm	hypo	CHH	-0.0675
Gm14	22004285	22005282	Gmdrm	hypo	CHH	-0.1117
Gm14	22276589	22277354	Gmdrm	hypo	CHH	-0.0301
Gm14	22287230	22288203	Gmdrm	hypo	CHH	-0.0116
Gm14	22548701	22549697	Gmdrm	hypo	CHH	-0.094
Gm14	22549706	22550142	Gmdrm	hypo	CHH	-0.0347
Gm14	22567954	22568953	Gmdrm	hypo	CHH	-0.0387
Gm14	22745458	22746381	Gmdrm	hypo	CHH	-0.0474
Gm14	22770835	22771832	Gmdrm	hypo	CHH	-0.0435
Gm14	22772471	22772576	Gmdrm	hypo	CHH	-0.0786
Gm14	22778263	22779260	Gmdrm	hypo	CHH	-0.026
Gm14	22821758	22822727	Gmdrm	hypo	CHH	-0.0226
Gm14	22835770	22836755	Gmdrm	hypo	CHH	-0.0267
Gm14	22845045	22845481	Gmdrm	hypo	CHH	-0.0816
Gm14	22894922	22895921	Gmdrm	hypo	CHH	-0.0442
Gm14	22899946	22900942	Gmdrm	hypo	CHH	-0.0495
Gm14	22905036	22906011	Gmdrm	hypo	CHH	-0.0147
Gm14	23009012	23009235	Gmdrm	hypo	CHH	-0.2224
Gm14	23268239	23268964	Gmdrm	hypo	CHH	-0.0857
Gm14	23269088	23270083	Gmdrm	hypo	CHH	-0.0492
Gm14	23289846	23290653	Gmdrm	hypo	CHH	-0.0232
Gm14	23293120	23294113	Gmdrm	hypo	CHH	-0.0791
Gm14	23294845	23295827	Gmdrm	hypo	CHH	-0.0417

Gm14	23303462	23303978	Gmdrm	hypo	CHH	-0.0959
Gm14	23304314	23305298	Gmdrm	hypo	CHH	-0.0438
Gm14	23305570	23306570	Gmdrm	hypo	CHH	-0.1416
Gm14	23318287	23319275	Gmdrm	hypo	CHH	-0.0273
Gm14	23396117	23397101	Gmdrm	hypo	CHH	-0.0127
Gm14	23400731	23401731	Gmdrm	hypo	CHH	-0.04
Gm14	23406799	23407776	Gmdrm	hypo	CHH	-0.0278
Gm14	23408623	23409619	Gmdrm	hypo	CHH	-0.0271
Gm14	23410636	23411618	Gmdrm	hypo	CHH	-0.0416
Gm14	23506516	23507476	Gmdrm	hypo	CHH	-0.0257
Gm14	23510633	23511424	Gmdrm	hypo	CHH	-0.0302
Gm14	23511526	23512507	Gmdrm	hypo	CHH	-0.0155
Gm14	23526004	23526901	Gmdrm	hypo	CHH	-0.0229
Gm14	23530382	23531346	Gmdrm	hypo	CHH	-0.0576
Gm14	23534360	23535355	Gmdrm	hypo	CHH	-0.1228
Gm14	23535361	23535802	Gmdrm	hypo	CHH	-0.2007
Gm14	23536321	23537320	Gmdrm	hypo	CHH	-0.1814
Gm14	23566458	23566686	Gmdrm	hypo	CHH	-0.044
Gm14	23567854	23568803	Gmdrm	hypo	CHH	-0.1214
Gm14	23568856	23569799	Gmdrm	hypo	CHH	-0.0341
Gm14	23569862	23570425	Gmdrm	hypo	CHH	-0.0488
Gm14	23570640	23571555	Gmdrm	hypo	CHH	-0.0533
Gm14	23588300	23589244	Gmdrm	hypo	CHH	-0.0211
Gm14	23666215	23667192	Gmdrm	hypo	CHH	-0.0587
Gm14	23719995	23720995	Gmdrm	hypo	CHH	-0.0371
Gm14	23746188	23747161	Gmdrm	hypo	CHH	-0.0266
Gm14	23747200	23747279	Gmdrm	hypo	CHH	-0.0377
Gm14	23749366	23750358	Gmdrm	hypo	CHH	-0.0682
Gm14	23790302	23790830	Gmdrm	hypo	CHH	-0.0868
Gm14	23790969	23791235	Gmdrm	hypo	CHH	-0.051
Gm14	23927321	23928317	Gmdrm	hypo	CHH	-0.0781
Gm14	23928325	23929321	Gmdrm	hypo	CHH	-0.0614
Gm14	24162994	24163767	Gmdrm	hypo	CHH	-0.0562
Gm14	24163877	24164012	Gmdrm	hypo	CHH	-0.1215
Gm14	24220317	24220925	Gmdrm	hypo	CHH	-0.0281
Gm14	24235760	24236722	Gmdrm	hypo	CHH	-0.0597
Gm14	24236808	24237541	Gmdrm	hypo	CHH	-0.0337
Gm14	24237647	24238644	Gmdrm	hypo	CHH	-0.0236
Gm14	24424545	24425543	Gmdrm	hypo	CHH	-0.0324
Gm14	24426548	24426935	Gmdrm	hypo	CHH	-0.053
Gm14	24427050	24428035	Gmdrm	hypo	CHH	-0.0273
Gm14	24505130	24506118	Gmdrm	hypo	CHH	-0.0728
Gm14	24514334	24515326	Gmdrm	hypo	CHH	-0.0204
Gm14	24524372	24525371	Gmdrm	hypo	CHH	-0.1022
Gm14	24527384	24528377	Gmdrm	hypo	CHH	-0.1
Gm14	24528387	24529155	Gmdrm	hypo	CHH	-0.0584

Gm14	24535515	24536493	Gmdrm	hypo	CHH	-0.1676
Gm14	24536523	24537404	Gmdrm	hypo	CHH	-0.1614
Gm14	24537540	24538513	Gmdrm	hypo	CHH	-0.1066
Gm14	24547725	24548723	Gmdrm	hypo	CHH	-0.1076
Gm14	24548727	24549727	Gmdrm	hypo	CHH	-0.1563
Gm14	24549766	24550632	Gmdrm	hypo	CHH	-0.062
Gm14	24603227	24604206	Gmdrm	hypo	CHH	-0.0546
Gm14	24610078	24611059	Gmdrm	hypo	CHH	-0.0252
Gm14	24611116	24612110	Gmdrm	hypo	CHH	-0.0669
Gm14	24612118	24613118	Gmdrm	hypo	CHH	-0.084
Gm14	24615220	24616116	Gmdrm	hypo	CHH	-0.0449
Gm14	24619953	24620943	Gmdrm	hypo	CHH	-0.0239
Gm14	24623972	24624958	Gmdrm	hypo	CHH	-0.0912
Gm14	24628764	24629120	Gmdrm	hypo	CHH	-0.0222
Gm14	24635342	24635609	Gmdrm	hypo	CHH	-0.0981
Gm14	24640978	24641975	Gmdrm	hypo	CHH	-0.0144
Gm14	24673017	24674013	Gmdrm	hypo	CHH	-0.1756
Gm14	24686083	24687083	Gmdrm	hypo	CHH	-0.0303
Gm14	24688519	24689443	Gmdrm	hypo	CHH	-0.0733
Gm14	24771187	24772180	Gmdrm	hypo	CHH	-0.0531
Gm14	24772195	24773192	Gmdrm	hypo	CHH	-0.0141
Gm14	24779311	24779931	Gmdrm	hypo	CHH	-0.0324
Gm14	24838831	24839822	Gmdrm	hypo	CHH	-0.0534
Gm14	24916189	24917178	Gmdrm	hypo	CHH	-0.0154
Gm14	25023128	25023983	Gmdrm	hypo	CHH	-0.0377
Gm14	25116828	25117793	Gmdrm	hypo	CHH	-0.0247
Gm14	25117831	25117989	Gmdrm	hypo	CHH	-0.0761
Gm14	25125590	25126572	Gmdrm	hypo	CHH	-0.0601
Gm14	25239989	25240987	Gmdrm	hypo	CHH	-0.0219
Gm14	25267621	25268601	Gmdrm	hypo	CHH	-0.0399
Gm14	25271349	25272339	Gmdrm	hypo	CHH	-0.0235
Gm14	25272351	25273340	Gmdrm	hypo	CHH	-0.0269
Gm14	25273360	25274358	Gmdrm	hypo	CHH	-0.0789
Gm14	25283552	25284547	Gmdrm	hypo	CHH	-0.047
Gm14	25284557	25285539	Gmdrm	hypo	CHH	-0.0332
Gm14	25304307	25305252	Gmdrm	hypo	CHH	-0.0461
Gm14	25306870	25307087	Gmdrm	hypo	CHH	-0.0315
Gm14	25308243	25309200	Gmdrm	hypo	CHH	-0.0165
Gm14	25330064	25331058	Gmdrm	hypo	CHH	-0.0654
Gm14	25534989	25535988	Gmdrm	hypo	CHH	-0.0319
Gm14	25542645	25543638	Gmdrm	hypo	CHH	-0.0219
Gm14	25546700	25547689	Gmdrm	hypo	CHH	-0.0349
Gm14	25597296	25598296	Gmdrm	hypo	CHH	-0.0495
Gm14	25598298	25599034	Gmdrm	hypo	CHH	-0.0746
Gm14	25615346	25616341	Gmdrm	hypo	CHH	-0.0469
Gm14	25627697	25628673	Gmdrm	hypo	CHH	-0.0253

Gm14	25633310	25633751	Gmdrm	hypo	CHH	-0.0493
Gm14	25740806	25741150	Gmdrm	hypo	CHH	-0.1712
Gm14	25815413	25816387	Gmdrm	hypo	CHH	-0.034
Gm14	25817171	25818157	Gmdrm	hypo	CHH	-0.1292
Gm14	25818692	25819657	Gmdrm	hypo	CHH	-0.2406
Gm14	25834290	25835256	Gmdrm	hypo	CHH	-0.0465
Gm14	25835295	25836288	Gmdrm	hypo	CHH	-0.0137
Gm14	26007174	26008033	Gmdrm	hypo	CHH	-0.0725
Gm14	26016407	26017406	Gmdrm	hypo	CHH	-0.0739
Gm14	26104857	26104900	Gmdrm	hypo	CHH	-0.18
Gm14	26157607	26158586	Gmdrm	hypo	CHH	-0.071
Gm14	26321048	26321995	Gmdrm	hypo	CHH	-0.0164
Gm14	26411905	26412897	Gmdrm	hypo	CHH	-0.0267
Gm14	26412926	26413923	Gmdrm	hypo	CHH	-0.0293
Gm14	26417342	26418300	Gmdrm	hypo	CHH	-0.0291
Gm14	26430323	26431316	Gmdrm	hypo	CHH	-0.045
Gm14	26432354	26433080	Gmdrm	hypo	CHH	-0.0188
Gm14	26463539	26464537	Gmdrm	hypo	CHH	-0.0488
Gm14	26475175	26476174	Gmdrm	hypo	CHH	-0.0245
Gm14	26628680	26629680	Gmdrm	hypo	CHH	-0.0453
Gm14	26642699	26643697	Gmdrm	hypo	CHH	-0.0424
Gm14	26654741	26655264	Gmdrm	hypo	CHH	-0.1327
Gm14	26663854	26664845	Gmdrm	hypo	CHH	-0.1178
Gm14	26664860	26665857	Gmdrm	hypo	CHH	-0.0327
Gm14	26677515	26678514	Gmdrm	hypo	CHH	-0.0251
Gm14	26678520	26679518	Gmdrm	hypo	CHH	-0.0394
Gm14	26809958	26810937	Gmdrm	hypo	CHH	-0.0576
Gm14	26820601	26821578	Gmdrm	hypo	CHH	-0.0515
Gm14	26824702	26825698	Gmdrm	hypo	CHH	-0.0253
Gm14	26825709	26826232	Gmdrm	hypo	CHH	-0.0226
Gm14	26850525	26851499	Gmdrm	hypo	CHH	-0.0297
Gm14	26851556	26852541	Gmdrm	hypo	CHH	-0.0257
Gm14	26891705	26892027	Gmdrm	hypo	CHH	-0.0205
Gm14	26892131	26893127	Gmdrm	hypo	CHH	-0.0277
Gm14	26935969	26936953	Gmdrm	hypo	CHH	-0.0203
Gm14	26938570	26939568	Gmdrm	hypo	CHH	-0.0327
Gm14	26948252	26949232	Gmdrm	hypo	CHH	-0.0496
Gm14	26949404	26950404	Gmdrm	hypo	CHH	-0.0947
Gm14	26951429	26952420	Gmdrm	hypo	CHH	-0.0194
Gm14	27072551	27073537	Gmdrm	hypo	CHH	-0.0526
Gm14	27132497	27133496	Gmdrm	hypo	CHH	-0.021
Gm14	27188759	27189730	Gmdrm	hypo	CHH	-0.0421
Gm14	27195612	27196609	Gmdrm	hypo	CHH	-0.0676
Gm14	27199686	27200680	Gmdrm	hypo	CHH	-0.0296
Gm14	27200687	27201677	Gmdrm	hypo	CHH	-0.0918
Gm14	27213099	27214082	Gmdrm	hypo	CHH	-0.0114

Gm14	27214104	27215100	Gmdrm	hypo	CHH	-0.0154
Gm14	27239791	27240787	Gmdrm	hypo	CHH	-0.0343
Gm14	27248024	27249019	Gmdrm	hypo	CHH	-0.0304
Gm14	27250469	27251448	Gmdrm	hypo	CHH	-0.0451
Gm14	27252498	27253495	Gmdrm	hypo	CHH	-0.0428
Gm14	27271070	27272026	Gmdrm	hypo	CHH	-0.044
Gm14	27274897	27275896	Gmdrm	hypo	CHH	-0.0555
Gm14	27302206	27303205	Gmdrm	hypo	CHH	-0.0543
Gm14	27304552	27305547	Gmdrm	hypo	CHH	-0.0289
Gm14	27319042	27320012	Gmdrm	hypo	CHH	-0.0194
Gm14	27329297	27330287	Gmdrm	hypo	CHH	-0.13
Gm14	27366048	27367044	Gmdrm	hypo	CHH	-0.0755
Gm14	27494845	27495825	Gmdrm	hypo	CHH	-0.0146
Gm14	27802894	27803889	Gmdrm	hypo	CHH	-0.0716
Gm14	27804929	27805904	Gmdrm	hypo	CHH	-0.0499
Gm14	27805946	27806623	Gmdrm	hypo	CHH	-0.0353
Gm14	27809865	27810848	Gmdrm	hypo	CHH	-0.0401
Gm14	27813874	27814872	Gmdrm	hypo	CHH	-0.02
Gm14	27917447	27918435	Gmdrm	hypo	CHH	-0.0563
Gm14	27937901	27938900	Gmdrm	hypo	CHH	-0.0487
Gm14	27940529	27941208	Gmdrm	hypo	CHH	-0.055
Gm14	27947557	27947909	Gmdrm	hypo	CHH	-0.0333
Gm14	27950671	27951185	Gmdrm	hypo	CHH	-0.0263
Gm14	27953714	27954691	Gmdrm	hypo	CHH	-0.0428
Gm14	27954734	27955728	Gmdrm	hypo	CHH	-0.0239
Gm14	27956425	27957424	Gmdrm	hypo	CHH	-0.0317
Gm14	27989592	27990348	Gmdrm	hypo	CHH	-0.0313
Gm14	27991552	27992546	Gmdrm	hypo	CHH	-0.0148
Gm14	27995722	27996709	Gmdrm	hypo	CHH	-0.0337
Gm14	28002928	28003924	Gmdrm	hypo	CHH	-0.0384
Gm14	28010721	28011720	Gmdrm	hypo	CHH	-0.0438
Gm14	28016593	28017540	Gmdrm	hypo	CHH	-0.0137
Gm14	28017697	28018697	Gmdrm	hypo	CHH	-0.026
Gm14	28018703	28019665	Gmdrm	hypo	CHH	-0.0161
Gm14	28021816	28022814	Gmdrm	hypo	CHH	-0.0865
Gm14	28060853	28061547	Gmdrm	hypo	CHH	-0.0213
Gm14	28061817	28062816	Gmdrm	hypo	CHH	-0.053
Gm14	28063842	28064841	Gmdrm	hypo	CHH	-0.0762
Gm14	28065871	28066851	Gmdrm	hypo	CHH	-0.0352
Gm14	28066898	28067894	Gmdrm	hypo	CHH	-0.048
Gm14	28069918	28070918	Gmdrm	hypo	CHH	-0.0123
Gm14	28082191	28083187	Gmdrm	hypo	CHH	-0.021
Gm14	28107089	28108078	Gmdrm	hypo	CHH	-0.0144
Gm14	28108907	28109898	Gmdrm	hypo	CHH	-0.083
Gm14	28109912	28110911	Gmdrm	hypo	CHH	-0.0584
Gm14	28110915	28111911	Gmdrm	hypo	CHH	-0.0798

Gm14	28112960	28113959	Gmdrm	hypo	CHH	-0.0674
Gm14	28148644	28149200	Gmdrm	hypo	CHH	-0.0442
Gm14	28156805	28157805	Gmdrm	hypo	CHH	-0.0854
Gm14	28157806	28158803	Gmdrm	hypo	CHH	-0.1112
Gm14	28158807	28159799	Gmdrm	hypo	CHH	-0.089
Gm14	28186661	28187661	Gmdrm	hypo	CHH	-0.0387
Gm14	28202523	28203355	Gmdrm	hypo	CHH	-0.0878
Gm14	28209799	28210799	Gmdrm	hypo	CHH	-0.0707
Gm14	28211832	28212826	Gmdrm	hypo	CHH	-0.0655
Gm14	28212841	28213835	Gmdrm	hypo	CHH	-0.0345
Gm14	28214845	28215672	Gmdrm	hypo	CHH	-0.053
Gm14	28224413	28225413	Gmdrm	hypo	CHH	-0.0243
Gm14	28225435	28226434	Gmdrm	hypo	CHH	-0.1716
Gm14	28228461	28229372	Gmdrm	hypo	CHH	-0.0409
Gm14	28234223	28234503	Gmdrm	hypo	CHH	-0.0716
Gm14	28235050	28236043	Gmdrm	hypo	CHH	-0.1404
Gm14	28236051	28237048	Gmdrm	hypo	CHH	-0.0582
Gm14	28291426	28292416	Gmdrm	hypo	CHH	-0.0283
Gm14	28306563	28307522	Gmdrm	hypo	CHH	-0.0231
Gm14	28307573	28308559	Gmdrm	hypo	CHH	-0.018
Gm14	28317655	28318654	Gmdrm	hypo	CHH	-0.0795
Gm14	28359505	28360496	Gmdrm	hypo	CHH	-0.0362
Gm14	28360508	28361490	Gmdrm	hypo	CHH	-0.0273
Gm14	28361515	28362506	Gmdrm	hypo	CHH	-0.0371
Gm14	28364627	28365622	Gmdrm	hypo	CHH	-0.0175
Gm14	28366481	28367478	Gmdrm	hypo	CHH	-0.0335
Gm14	28367485	28368452	Gmdrm	hypo	CHH	-0.2875
Gm14	28369509	28370503	Gmdrm	hypo	CHH	-0.0892
Gm14	28373757	28374757	Gmdrm	hypo	CHH	-0.0376
Gm14	28374761	28375756	Gmdrm	hypo	CHH	-0.0632
Gm14	28375771	28376435	Gmdrm	hypo	CHH	-0.1059
Gm14	28376673	28377127	Gmdrm	hypo	CHH	-0.1396
Gm14	28377266	28377584	Gmdrm	hypo	CHH	-0.1394
Gm14	28377706	28378700	Gmdrm	hypo	CHH	-0.0435
Gm14	28390935	28391897	Gmdrm	hypo	CHH	-0.0553
Gm14	28392962	28393899	Gmdrm	hypo	CHH	-0.0156
Gm14	28421435	28422418	Gmdrm	hypo	CHH	-0.0339
Gm14	28446437	28447435	Gmdrm	hypo	CHH	-0.0598
Gm14	28469758	28470755	Gmdrm	hypo	CHH	-0.0722
Gm14	28489584	28490576	Gmdrm	hypo	CHH	-0.1149
Gm14	28490587	28491584	Gmdrm	hypo	CHH	-0.0514
Gm14	28499817	28500348	Gmdrm	hypo	CHH	-0.0383
Gm14	28504048	28505045	Gmdrm	hypo	CHH	-0.0878
Gm14	28507186	28508184	Gmdrm	hypo	CHH	-0.1633
Gm14	28508673	28509670	Gmdrm	hypo	CHH	-0.2039
Gm14	28509674	28510635	Gmdrm	hypo	CHH	-0.0337

Gm14	28516757	28517750	Gmdrm	hypo	CHH	-0.036
Gm14	28523826	28524819	Gmdrm	hypo	CHH	-0.0731
Gm14	28529636	28530085	Gmdrm	hypo	CHH	-0.0258
Gm14	28530878	28531878	Gmdrm	hypo	CHH	-0.0185
Gm14	28533632	28533734	Gmdrm	hypo	CHH	-0.0273
Gm14	28534867	28535864	Gmdrm	hypo	CHH	-0.0771
Gm14	28535870	28536867	Gmdrm	hypo	CHH	-0.0294
Gm14	28536874	28537867	Gmdrm	hypo	CHH	-0.0233
Gm14	28600520	28601519	Gmdrm	hypo	CHH	-0.0573
Gm14	28601521	28602079	Gmdrm	hypo	CHH	-0.0692
Gm14	28602703	28603683	Gmdrm	hypo	CHH	-0.0331
Gm14	28606786	28607780	Gmdrm	hypo	CHH	-0.0429
Gm14	28608441	28608812	Gmdrm	hypo	CHH	-0.0718
Gm14	28615135	28616131	Gmdrm	hypo	CHH	-0.1894
Gm14	28616144	28617140	Gmdrm	hypo	CHH	-0.0504
Gm14	28620299	28621296	Gmdrm	hypo	CHH	-0.0554
Gm14	28621320	28622317	Gmdrm	hypo	CHH	-0.024
Gm14	28642421	28642911	Gmdrm	hypo	CHH	-0.0371
Gm14	28643830	28644820	Gmdrm	hypo	CHH	-0.0418
Gm14	28644832	28645831	Gmdrm	hypo	CHH	-0.0274
Gm14	28647262	28648257	Gmdrm	hypo	CHH	-0.0279
Gm14	28648280	28649269	Gmdrm	hypo	CHH	-0.0346
Gm14	28649303	28650303	Gmdrm	hypo	CHH	-0.048
Gm14	28659431	28660423	Gmdrm	hypo	CHH	-0.0887
Gm14	28660432	28661421	Gmdrm	hypo	CHH	-0.0513
Gm14	28661437	28661862	Gmdrm	hypo	CHH	-0.179
Gm14	28662777	28663393	Gmdrm	hypo	CHH	-0.0342
Gm14	28663978	28664856	Gmdrm	hypo	CHH	-0.0328
Gm14	28704429	28705415	Gmdrm	hypo	CHH	-0.0393
Gm14	28729439	28729657	Gmdrm	hypo	CHH	-0.055
Gm14	28746052	28747043	Gmdrm	hypo	CHH	-0.0411
Gm14	28749283	28750278	Gmdrm	hypo	CHH	-0.0396
Gm14	28752319	28753316	Gmdrm	hypo	CHH	-0.1055
Gm14	28766823	28767794	Gmdrm	hypo	CHH	-0.0213
Gm14	28861572	28862567	Gmdrm	hypo	CHH	-0.0433
Gm14	28881509	28882491	Gmdrm	hypo	CHH	-0.0249
Gm14	28886628	28887614	Gmdrm	hypo	CHH	-0.0258
Gm14	28888634	28888881	Gmdrm	hypo	CHH	-0.0272
Gm14	28897993	28898993	Gmdrm	hypo	CHH	-0.0286
Gm14	28930658	28931632	Gmdrm	hypo	CHH	-0.04
Gm14	28945778	28946278	Gmdrm	hypo	CHH	-0.0709
Gm14	28946392	28946665	Gmdrm	hypo	CHH	-0.03
Gm14	28956074	28957059	Gmdrm	hypo	CHH	-0.0159
Gm14	28981702	28982700	Gmdrm	hypo	CHH	-0.0462
Gm14	28987334	28988286	Gmdrm	hypo	CHH	-0.1022
Gm14	28988396	28989392	Gmdrm	hypo	CHH	-0.0936

Gm14	28989572	28990554	Gmdrm	hypo	CHH	-0.0777
Gm14	29008713	29009192	Gmdrm	hypo	CHH	-0.0309
Gm14	29013583	29014582	Gmdrm	hypo	CHH	-0.0786
Gm14	29017641	29018637	Gmdrm	hypo	CHH	-0.0554
Gm14	29018644	29019147	Gmdrm	hypo	CHH	-0.0994
Gm14	29075550	29076549	Gmdrm	hypo	CHH	-0.0676
Gm14	29145971	29146957	Gmdrm	hypo	CHH	-0.0328
Gm14	29146973	29147554	Gmdrm	hypo	CHH	-0.0511
Gm14	29192411	29193407	Gmdrm	hypo	CHH	-0.2568
Gm14	29193416	29194411	Gmdrm	hypo	CHH	-0.0361
Gm14	29204633	29205633	Gmdrm	hypo	CHH	-0.0514
Gm14	29205638	29206638	Gmdrm	hypo	CHH	-0.0652
Gm14	29268163	29269157	Gmdrm	hypo	CHH	-0.0303
Gm14	29280418	29281417	Gmdrm	hypo	CHH	-0.0368
Gm14	29311364	29312359	Gmdrm	hypo	CHH	-0.028
Gm14	29353131	29353889	Gmdrm	hypo	CHH	-0.0343
Gm14	29369658	29370618	Gmdrm	hypo	CHH	-0.04
Gm14	29370665	29371647	Gmdrm	hypo	CHH	-0.1204
Gm14	29400633	29401633	Gmdrm	hypo	CHH	-0.0743
Gm14	29404125	29405124	Gmdrm	hypo	CHH	-0.0481
Gm14	29405137	29406137	Gmdrm	hypo	CHH	-0.0404
Gm14	29409368	29409870	Gmdrm	hypo	CHH	-0.0639
Gm14	29413090	29413759	Gmdrm	hypo	CHH	-0.0733
Gm14	29424264	29424669	Gmdrm	hypo	CHH	-0.0619
Gm14	29429059	29430051	Gmdrm	hypo	CHH	-0.1634
Gm14	29430143	29431143	Gmdrm	hypo	CHH	-0.0191
Gm14	29431144	29432064	Gmdrm	hypo	CHH	-0.0507
Gm14	29454677	29455659	Gmdrm	hypo	CHH	-0.021
Gm14	29473737	29474719	Gmdrm	hypo	CHH	-0.0155
Gm14	29479443	29479964	Gmdrm	hypo	CHH	-0.03
Gm14	29480937	29481753	Gmdrm	hypo	CHH	-0.0177
Gm14	29483514	29484474	Gmdrm	hypo	CHH	-0.0154
Gm14	29486696	29487686	Gmdrm	hypo	CHH	-0.0143
Gm14	29499849	29500115	Gmdrm	hypo	CHH	-0.028
Gm14	29501330	29502298	Gmdrm	hypo	CHH	-0.396
Gm14	29502339	29503337	Gmdrm	hypo	CHH	-0.0317
Gm14	29503396	29504386	Gmdrm	hypo	CHH	-0.0247
Gm14	29512732	29513721	Gmdrm	hypo	CHH	-0.0887
Gm14	29513734	29514652	Gmdrm	hypo	CHH	-0.0279
Gm14	29520864	29521107	Gmdrm	hypo	CHH	-0.0325
Gm14	29521391	29522390	Gmdrm	hypo	CHH	-0.0367
Gm14	29584382	29585366	Gmdrm	hypo	CHH	-0.0195
Gm14	29593440	29594435	Gmdrm	hypo	CHH	-0.0612
Gm14	29596510	29597503	Gmdrm	hypo	CHH	-0.0176
Gm14	29623040	29624038	Gmdrm	hypo	CHH	-0.0203
Gm14	29624049	29625044	Gmdrm	hypo	CHH	-0.0851

Gm14	29625050	29626038	Gmdrm	hypo	CHH	-0.068
Gm14	29651276	29652266	Gmdrm	hypo	CHH	-0.0426
Gm14	29663651	29664510	Gmdrm	hypo	CHH	-0.0315
Gm14	29667695	29668675	Gmdrm	hypo	CHH	-0.012
Gm14	29687935	29688904	Gmdrm	hypo	CHH	-0.0696
Gm14	29695260	29696227	Gmdrm	hypo	CHH	-0.0391
Gm14	29721799	29722780	Gmdrm	hypo	CHH	-0.0388
Gm14	29722803	29723105	Gmdrm	hypo	CHH	-0.0413
Gm14	29752874	29753846	Gmdrm	hypo	CHH	-0.0315
Gm14	29811119	29812104	Gmdrm	hypo	CHH	-0.0451
Gm14	29858965	29859963	Gmdrm	hypo	CHH	-0.0245
Gm14	29878660	29879644	Gmdrm	hypo	CHH	-0.021
Gm14	29880978	29881943	Gmdrm	hypo	CHH	-0.1508
Gm14	29883051	29884045	Gmdrm	hypo	CHH	-0.0507
Gm14	29886106	29886876	Gmdrm	hypo	CHH	-0.0147
Gm14	29889679	29890677	Gmdrm	hypo	CHH	-0.0314
Gm14	29890698	29891688	Gmdrm	hypo	CHH	-0.1084
Gm14	29891705	29892672	Gmdrm	hypo	CHH	-0.0498
Gm14	29894605	29895575	Gmdrm	hypo	CHH	-0.014
Gm14	29900078	29901078	Gmdrm	hypo	CHH	-0.0408
Gm14	29981565	29982522	Gmdrm	hypo	CHH	-0.0689
Gm14	29982574	29983491	Gmdrm	hypo	CHH	-0.0931
Gm14	29983595	29984153	Gmdrm	hypo	CHH	-0.0776
Gm14	29985258	29986230	Gmdrm	hypo	CHH	-0.039
Gm14	30000048	30001042	Gmdrm	hypo	CHH	-0.1433
Gm14	30051650	30052373	Gmdrm	hypo	CHH	-0.0161
Gm14	30061080	30061843	Gmdrm	hypo	CHH	-0.0402
Gm14	30070462	30071451	Gmdrm	hypo	CHH	-0.0188
Gm14	30074814	30075799	Gmdrm	hypo	CHH	-0.0525
Gm14	30095864	30096851	Gmdrm	hypo	CHH	-0.0662
Gm14	30096875	30097857	Gmdrm	hypo	CHH	-0.0542
Gm14	30103580	30104580	Gmdrm	hypo	CHH	-0.0588
Gm14	30104588	30105302	Gmdrm	hypo	CHH	-0.0496
Gm14	30134406	30135406	Gmdrm	hypo	CHH	-0.0483
Gm14	30154629	30155618	Gmdrm	hypo	CHH	-0.0464
Gm14	30157873	30158730	Gmdrm	hypo	CHH	-0.0661
Gm14	30159119	30159946	Gmdrm	hypo	CHH	-0.1406
Gm14	30160053	30161053	Gmdrm	hypo	CHH	-0.0666
Gm14	30161206	30161459	Gmdrm	hypo	CHH	-0.0355
Gm14	30161565	30162316	Gmdrm	hypo	CHH	-0.0366
Gm14	30210434	30211434	Gmdrm	hypo	CHH	-0.0344
Gm14	30222087	30223075	Gmdrm	hypo	CHH	-0.1702
Gm14	30223093	30224089	Gmdrm	hypo	CHH	-0.08
Gm14	30224096	30224694	Gmdrm	hypo	CHH	-0.187
Gm14	30229634	30230632	Gmdrm	hypo	CHH	-0.0687
Gm14	30230635	30230796	Gmdrm	hypo	CHH	-0.1151

Gm14	30285908	30286887	Gmdrm	hypo	CHH	-0.0268
Gm14	30286915	30287902	Gmdrm	hypo	CHH	-0.0384
Gm14	30287925	30288924	Gmdrm	hypo	CHH	-0.0321
Gm14	30288930	30289901	Gmdrm	hypo	CHH	-0.0267
Gm14	30289935	30290935	Gmdrm	hypo	CHH	-0.0106
Gm14	30355626	30356622	Gmdrm	hypo	CHH	-0.0612
Gm14	30429433	30430429	Gmdrm	hypo	CHH	-0.0237
Gm14	30430434	30431424	Gmdrm	hypo	CHH	-0.0225
Gm14	30432450	30433441	Gmdrm	hypo	CHH	-0.0147
Gm14	30492512	30493495	Gmdrm	hypo	CHH	-0.0289
Gm14	30495668	30496522	Gmdrm	hypo	CHH	-0.0224
Gm14	30497357	30498352	Gmdrm	hypo	CHH	-0.0866
Gm14	30501401	30502397	Gmdrm	hypo	CHH	-0.0499
Gm14	30506452	30507440	Gmdrm	hypo	CHH	-0.0376
Gm14	30511157	30512146	Gmdrm	hypo	CHH	-0.0233
Gm14	30562697	30563695	Gmdrm	hypo	CHH	-0.0154
Gm14	30567427	30567845	Gmdrm	hypo	CHH	-0.1036
Gm14	30568959	30569956	Gmdrm	hypo	CHH	-0.0408
Gm14	30585395	30586390	Gmdrm	hypo	CHH	-0.037
Gm14	30588187	30589187	Gmdrm	hypo	CHH	-0.0947
Gm14	30644894	30645887	Gmdrm	hypo	CHH	-0.024
Gm14	30649084	30650064	Gmdrm	hypo	CHH	-0.0439
Gm14	30650092	30651092	Gmdrm	hypo	CHH	-0.1666
Gm14	30652271	30653268	Gmdrm	hypo	CHH	-0.0242
Gm14	30745118	30746118	Gmdrm	hypo	CHH	-0.02
Gm14	30747752	30748743	Gmdrm	hypo	CHH	-0.0277
Gm14	30755876	30756812	Gmdrm	hypo	CHH	-0.0562
Gm14	30824657	30825657	Gmdrm	hypo	CHH	-0.1908
Gm14	30830132	30830467	Gmdrm	hypo	CHH	-0.0345
Gm14	30836984	30837963	Gmdrm	hypo	CHH	-0.0947
Gm14	30838070	30838537	Gmdrm	hypo	CHH	-0.0213
Gm14	30841349	30842347	Gmdrm	hypo	CHH	-0.1811
Gm14	30846516	30847440	Gmdrm	hypo	CHH	-0.1867
Gm14	30866059	30867046	Gmdrm	hypo	CHH	-0.0949
Gm14	30869847	30870841	Gmdrm	hypo	CHH	-0.0356
Gm14	30873247	30873772	Gmdrm	hypo	CHH	-0.1131
Gm14	30873904	30874177	Gmdrm	hypo	CHH	-0.0845
Gm14	30883181	30883490	Gmdrm	hypo	CHH	-0.1355
Gm14	30885101	30886099	Gmdrm	hypo	CHH	-0.0388
Gm14	30911943	30912938	Gmdrm	hypo	CHH	-0.0316
Gm14	30912958	30913948	Gmdrm	hypo	CHH	-0.0194
Gm14	30913968	30914966	Gmdrm	hypo	CHH	-0.0295
Gm14	30914978	30915602	Gmdrm	hypo	CHH	-0.0432
Gm14	30936304	30937107	Gmdrm	hypo	CHH	-0.0441
Gm14	30937235	30937685	Gmdrm	hypo	CHH	-0.0456
Gm14	30939530	30940530	Gmdrm	hypo	CHH	-0.0323

Gm14	30940531	30941527	Gmdrm	hypo	CHH	-0.0536
Gm14	30941539	30942517	Gmdrm	hypo	CHH	-0.026
Gm14	30942552	30943511	Gmdrm	hypo	CHH	-0.0728
Gm14	30943555	30944236	Gmdrm	hypo	CHH	-0.053
Gm14	30956022	30957022	Gmdrm	hypo	CHH	-0.0602
Gm14	30957029	30957544	Gmdrm	hypo	CHH	-0.1156
Gm14	30964648	30965636	Gmdrm	hypo	CHH	-0.1174
Gm14	30967001	30967192	Gmdrm	hypo	CHH	-0.1172
Gm14	30987729	30988722	Gmdrm	hypo	CHH	-0.0665
Gm14	31004928	31005509	Gmdrm	hypo	CHH	-0.0417
Gm14	31009413	31010413	Gmdrm	hypo	CHH	-0.0189
Gm14	31123407	31124403	Gmdrm	hypo	CHH	-0.059
Gm14	31124566	31124861	Gmdrm	hypo	CHH	-0.11
Gm14	31128184	31129182	Gmdrm	hypo	CHH	-0.0871
Gm14	31258324	31259091	Gmdrm	hypo	CHH	-0.0714
Gm14	31259475	31260472	Gmdrm	hypo	CHH	-0.0215
Gm14	31261865	31262828	Gmdrm	hypo	CHH	-0.0233
Gm14	31262875	31263863	Gmdrm	hypo	CHH	-0.0166
Gm14	31268258	31269256	Gmdrm	hypo	CHH	-0.0535
Gm14	31386575	31386947	Gmdrm	hypo	CHH	-0.1115
Gm14	31387357	31388186	Gmdrm	hypo	CHH	-0.0297
Gm14	31417182	31418182	Gmdrm	hypo	CHH	-0.0373
Gm14	31516133	31517094	Gmdrm	hypo	CHH	-0.0221
Gm14	31517139	31518137	Gmdrm	hypo	CHH	-0.0197
Gm14	31518259	31518431	Gmdrm	hypo	CHH	-0.1073
Gm14	31565415	31565770	Gmdrm	hypo	CHH	-0.1014
Gm14	31577028	31578022	Gmdrm	hypo	CHH	-0.1156
Gm14	31704738	31705724	Gmdrm	hypo	CHH	-0.0378
Gm14	31710807	31711800	Gmdrm	hypo	CHH	-0.0511
Gm14	31725368	31726367	Gmdrm	hypo	CHH	-0.0709
Gm14	32082710	32083699	Gmdrm	hypo	CHH	-0.0574
Gm14	32089460	32090453	Gmdrm	hypo	CHH	-0.0458
Gm14	32154764	32155763	Gmdrm	hypo	CHH	-0.0846
Gm14	32190292	32190660	Gmdrm	hypo	CHH	-0.058
Gm14	32258274	32258601	Gmdrm	hypo	CHH	-0.0625
Gm14	32388828	32389824	Gmdrm	hypo	CHH	-0.0565
Gm14	32389832	32390832	Gmdrm	hypo	CHH	-0.011
Gm14	32435168	32436162	Gmdrm	hypo	CHH	-0.0147
Gm14	32457878	32458852	Gmdrm	hypo	CHH	-0.0263
Gm14	32463320	32464320	Gmdrm	hypo	CHH	-0.015
Gm14	32498742	32499107	Gmdrm	hypo	CHH	-0.0213
Gm14	32503354	32504327	Gmdrm	hypo	CHH	-0.0675
Gm14	32504369	32505335	Gmdrm	hypo	CHH	-0.0483
Gm14	32508220	32508301	Gmdrm	hypo	CHH	-0.046
Gm14	32514348	32515338	Gmdrm	hypo	CHH	-0.1118
Gm14	32533868	32534858	Gmdrm	hypo	CHH	-0.0475

Gm14	32617687	32618043	Gmdrm	hypo	CHH	-0.0465
Gm14	32618232	32618853	Gmdrm	hypo	CHH	-0.0243
Gm14	32707797	32708795	Gmdrm	hypo	CHH	-0.1258
Gm14	32736658	32737129	Gmdrm	hypo	CHH	-0.0376
Gm14	32743015	32744011	Gmdrm	hypo	CHH	-0.0409
Gm14	32745217	32746207	Gmdrm	hypo	CHH	-0.04
Gm14	32759603	32759664	Gmdrm	hypo	CHH	-0.1062
Gm14	32841351	32842344	Gmdrm	hypo	CHH	-0.0468
Gm14	32842360	32842833	Gmdrm	hypo	CHH	-0.057
Gm14	32842960	32843433	Gmdrm	hypo	CHH	-0.0366
Gm14	32845451	32846446	Gmdrm	hypo	CHH	-0.0386
Gm14	32849642	32850619	Gmdrm	hypo	CHH	-0.0218
Gm14	32850651	32851154	Gmdrm	hypo	CHH	-0.0471
Gm14	32859784	32860779	Gmdrm	hypo	CHH	-0.0157
Gm14	32860787	32861584	Gmdrm	hypo	CHH	-0.0446
Gm14	32885950	32886949	Gmdrm	hypo	CHH	-0.0442
Gm14	32888386	32889377	Gmdrm	hypo	CHH	-0.1486
Gm14	32889613	32890610	Gmdrm	hypo	CHH	-0.1889
Gm14	33088610	33089607	Gmdrm	hypo	CHH	-0.1114
Gm14	33089612	33089808	Gmdrm	hypo	CHH	-0.1436
Gm14	33141016	33141696	Gmdrm	hypo	CHH	-0.0332
Gm14	33141807	33142805	Gmdrm	hypo	CHH	-0.0403
Gm14	33143929	33144361	Gmdrm	hypo	CHH	-0.0382
Gm14	33200462	33201159	Gmdrm	hypo	CHH	-0.0237
Gm14	33206668	33207652	Gmdrm	hypo	CHH	-0.0308
Gm14	33208691	33209679	Gmdrm	hypo	CHH	-0.0172
Gm14	33354430	33354706	Gmdrm	hypo	CHH	-0.1314
Gm14	33368084	33369075	Gmdrm	hypo	CHH	-0.0873
Gm14	33371223	33371979	Gmdrm	hypo	CHH	-0.021
Gm14	33377966	33378961	Gmdrm	hypo	CHH	-0.0406
Gm14	33382886	33383831	Gmdrm	hypo	CHH	-0.0194
Gm14	33383890	33384883	Gmdrm	hypo	CHH	-0.0717
Gm14	33385258	33386236	Gmdrm	hypo	CHH	-0.0311
Gm14	33466593	33467120	Gmdrm	hypo	CHH	-0.0532
Gm14	33469131	33469527	Gmdrm	hypo	CHH	-0.0527
Gm14	33545440	33546429	Gmdrm	hypo	CHH	-0.0497
Gm14	33548454	33549447	Gmdrm	hypo	CHH	-0.1426
Gm14	33552541	33553342	Gmdrm	hypo	CHH	-0.0434
Gm14	33553446	33554418	Gmdrm	hypo	CHH	-0.068
Gm14	33555051	33556048	Gmdrm	hypo	CHH	-0.0519
Gm14	33559341	33560338	Gmdrm	hypo	CHH	-0.0122
Gm14	33563551	33564539	Gmdrm	hypo	CHH	-0.0516
Gm14	33572381	33573367	Gmdrm	hypo	CHH	-0.0579
Gm14	33581745	33582732	Gmdrm	hypo	CHH	-0.025
Gm14	33585678	33586644	Gmdrm	hypo	CHH	-0.0989
Gm14	33586686	33587629	Gmdrm	hypo	CHH	-0.1239

Gm14	33587837	33588832	Gmdrm	hypo	CHH	-0.0446
Gm14	33601412	33601891	Gmdrm	hypo	CHH	-0.0976
Gm14	33629065	33630012	Gmdrm	hypo	CHH	-0.0642
Gm14	33712856	33713169	Gmdrm	hypo	CHH	-0.0406
Gm14	33749642	33750109	Gmdrm	hypo	CHH	-0.1404
Gm14	33991505	33992495	Gmdrm	hypo	CHH	-0.0485
Gm14	34050404	34051402	Gmdrm	hypo	CHH	-0.0402
Gm14	34083720	34084718	Gmdrm	hypo	CHH	-0.0228
Gm14	34088088	34088618	Gmdrm	hypo	CHH	-0.1576
Gm14	34090482	34091477	Gmdrm	hypo	CHH	-0.2708
Gm14	34091483	34092481	Gmdrm	hypo	CHH	-0.0684
Gm14	34183884	34184877	Gmdrm	hypo	CHH	-0.037
Gm14	34359170	34360168	Gmdrm	hypo	CHH	-0.0255
Gm14	34360182	34361162	Gmdrm	hypo	CHH	-0.028
Gm14	34362389	34362922	Gmdrm	hypo	CHH	-0.0257
Gm14	34365729	34366721	Gmdrm	hypo	CHH	-0.024
Gm14	34367777	34368767	Gmdrm	hypo	CHH	-0.0254
Gm14	34412217	34413153	Gmdrm	hypo	CHH	-0.3669
Gm14	34414466	34414658	Gmdrm	hypo	CHH	-0.05
Gm14	34557714	34558611	Gmdrm	hypo	CHH	-0.082
Gm14	34563409	34564398	Gmdrm	hypo	CHH	-0.1162
Gm14	34627382	34628334	Gmdrm	hypo	CHH	-0.0187
Gm14	34628836	34629820	Gmdrm	hypo	CHH	-0.019
Gm14	34629871	34630871	Gmdrm	hypo	CHH	-0.015
Gm14	34747535	34748535	Gmdrm	hypo	CHH	-0.0495
Gm14	34752804	34753799	Gmdrm	hypo	CHH	-0.032
Gm14	34759635	34760627	Gmdrm	hypo	CHH	-0.0374
Gm14	34848982	34849982	Gmdrm	hypo	CHH	-0.0777
Gm14	34901268	34901439	Gmdrm	hypo	CHH	-0.1106
Gm14	34922132	34923117	Gmdrm	hypo	CHH	-0.1852
Gm14	34976333	34976993	Gmdrm	hypo	CHH	-0.0326
Gm14	35002369	35003360	Gmdrm	hypo	CHH	-0.0379
Gm14	35005887	35006820	Gmdrm	hypo	CHH	-0.0532
Gm14	35093426	35094424	Gmdrm	hypo	CHH	-0.0942
Gm14	35101904	35102223	Gmdrm	hypo	CHH	-0.0539
Gm14	35110390	35111389	Gmdrm	hypo	CHH	-0.0309
Gm14	35465207	35466197	Gmdrm	hypo	CHH	-0.06
Gm14	35466219	35467213	Gmdrm	hypo	CHH	-0.0486
Gm14	35469084	35469422	Gmdrm	hypo	CHH	-0.0352
Gm14	35470960	35471958	Gmdrm	hypo	CHH	-0.0501
Gm14	35477323	35478297	Gmdrm	hypo	CHH	-0.041
Gm14	35478374	35478460	Gmdrm	hypo	CHH	-0.1173
Gm14	35555421	35556419	Gmdrm	hypo	CHH	-0.0497
Gm14	35565754	35566723	Gmdrm	hypo	CHH	-0.0407
Gm14	35764769	35765763	Gmdrm	hypo	CHH	-0.0539
Gm14	35766221	35767185	Gmdrm	hypo	CHH	-0.0469

Gm14	35768390	35768905	Gmdrm	hypo	CHH	-0.0414
Gm14	35780169	35781102	Gmdrm	hypo	CHH	-0.0836
Gm14	35794580	35795580	Gmdrm	hypo	CHH	-0.0246
Gm14	35799034	35800027	Gmdrm	hypo	CHH	-0.0402
Gm14	35800041	35801029	Gmdrm	hypo	CHH	-0.0592
Gm14	35915723	35916720	Gmdrm	hypo	CHH	-0.0246
Gm14	35921252	35922242	Gmdrm	hypo	CHH	-0.0128
Gm14	35922284	35923254	Gmdrm	hypo	CHH	-0.0125
Gm14	35925344	35926342	Gmdrm	hypo	CHH	-0.0396
Gm14	35931160	35932144	Gmdrm	hypo	CHH	-0.0546
Gm14	35934224	35935190	Gmdrm	hypo	CHH	-0.0189
Gm14	35939466	35940462	Gmdrm	hypo	CHH	-0.0353
Gm14	36015031	36016025	Gmdrm	hypo	CHH	-0.0239
Gm14	36036143	36037087	Gmdrm	hypo	CHH	-0.0305
Gm14	36037160	36038142	Gmdrm	hypo	CHH	-0.0168
Gm14	36194714	36195705	Gmdrm	hypo	CHH	-0.0773
Gm14	36232652	36233186	Gmdrm	hypo	CHH	-0.0153
Gm14	36233695	36234685	Gmdrm	hypo	CHH	-0.0271
Gm14	36234697	36235681	Gmdrm	hypo	CHH	-0.058
Gm14	36291589	36292579	Gmdrm	hypo	CHH	-0.0472
Gm14	36378758	36379753	Gmdrm	hypo	CHH	-0.132
Gm14	36382028	36383000	Gmdrm	hypo	CHH	-0.0131
Gm14	36523881	36524819	Gmdrm	hypo	CHH	-0.0181
Gm14	36525949	36526885	Gmdrm	hypo	CHH	-0.0448
Gm14	36526952	36527952	Gmdrm	hypo	CHH	-0.0513
Gm14	36527974	36528961	Gmdrm	hypo	CHH	-0.0575
Gm14	36555551	36556544	Gmdrm	hypo	CHH	-0.0198
Gm14	36557568	36558557	Gmdrm	hypo	CHH	-0.0394
Gm14	37061929	37062928	Gmdrm	hypo	CHH	-0.0618
Gm14	37085872	37086854	Gmdrm	hypo	CHH	-0.0587
Gm14	37086878	37087873	Gmdrm	hypo	CHH	-0.0284
Gm14	37088902	37089772	Gmdrm	hypo	CHH	-0.0621
Gm14	37097065	37098056	Gmdrm	hypo	CHH	-0.0331
Gm14	37101097	37102078	Gmdrm	hypo	CHH	-0.0524
Gm14	37241279	37242278	Gmdrm	hypo	CHH	-0.0696
Gm14	37270082	37270209	Gmdrm	hypo	CHH	-0.08
Gm14	37286276	37286301	Gmdrm	hypo	CHH	-0.225
Gm14	37370219	37370509	Gmdrm	hypo	CHH	-0.0433
Gm14	37372345	37372537	Gmdrm	hypo	CHH	-0.0875
Gm14	37585175	37586173	Gmdrm	hypo	CHH	-0.0264
Gm14	37586204	37587204	Gmdrm	hypo	CHH	-0.0543
Gm14	37587206	37587651	Gmdrm	hypo	CHH	-0.0558
Gm14	37588048	37588643	Gmdrm	hypo	CHH	-0.0402
Gm14	37590236	37591229	Gmdrm	hypo	CHH	-0.0162
Gm14	37596956	37597941	Gmdrm	hypo	CHH	-0.0239
Gm14	37812800	37812820	Gmdrm	hypo	CHH	-0.206

Gm14	37855811	37856799	Gmdrm	hypo	CHH	-0.0464
Gm14	37946022	37947013	Gmdrm	hypo	CHH	-0.0308
Gm14	37981658	37982653	Gmdrm	hypo	CHH	-0.0558
Gm14	38043221	38043356	Gmdrm	hypo	CHH	-0.288
Gm14	38069506	38070462	Gmdrm	hypo	CHH	-0.0213
Gm14	38071198	38072151	Gmdrm	hypo	CHH	-0.0387
Gm14	38130121	38131119	Gmdrm	hypo	CHH	-0.0233
Gm14	38258212	38259211	Gmdrm	hypo	CHH	-0.0489
Gm14	38259219	38260218	Gmdrm	hypo	CHH	-0.05
Gm14	38308617	38309610	Gmdrm	hypo	CHH	-0.0261
Gm14	38330264	38330439	Gmdrm	hypo	CHH	-0.1211
Gm14	38342395	38343384	Gmdrm	hypo	CHH	-0.0127
Gm14	38352566	38353549	Gmdrm	hypo	CHH	-0.0131
Gm14	38354582	38355577	Gmdrm	hypo	CHH	-0.0286
Gm14	38355585	38356577	Gmdrm	hypo	CHH	-0.1294
Gm14	38356590	38357588	Gmdrm	hypo	CHH	-0.0502
Gm14	38361352	38362348	Gmdrm	hypo	CHH	-0.0212
Gm14	38362356	38362672	Gmdrm	hypo	CHH	-0.0184
Gm14	38368150	38368703	Gmdrm	hypo	CHH	-0.0754
Gm14	38368814	38369809	Gmdrm	hypo	CHH	-0.095
Gm14	38369827	38370811	Gmdrm	hypo	CHH	-0.0467
Gm14	38687859	38688841	Gmdrm	hypo	CHH	-0.0251
Gm14	38801898	38802869	Gmdrm	hypo	CHH	-0.0222
Gm14	38939038	38939857	Gmdrm	hypo	CHH	-0.0596
Gm14	39008299	39009297	Gmdrm	hypo	CHH	-0.1098
Gm14	39011332	39011514	Gmdrm	hypo	CHH	-0.0366
Gm14	39016447	39017435	Gmdrm	hypo	CHH	-0.0426
Gm14	39020513	39021507	Gmdrm	hypo	CHH	-0.0813
Gm14	39059834	39060246	Gmdrm	hypo	CHH	-0.047
Gm14	39061491	39062487	Gmdrm	hypo	CHH	-0.0766
Gm14	39062496	39063483	Gmdrm	hypo	CHH	-0.0479
Gm14	39063498	39064485	Gmdrm	hypo	CHH	-0.0213
Gm14	39065583	39066564	Gmdrm	hypo	CHH	-0.0303
Gm14	39073461	39074457	Gmdrm	hypo	CHH	-0.0205
Gm14	39076633	39077631	Gmdrm	hypo	CHH	-0.0409
Gm14	39083652	39084612	Gmdrm	hypo	CHH	-0.0584
Gm14	39085668	39086658	Gmdrm	hypo	CHH	-0.055
Gm14	39086674	39087665	Gmdrm	hypo	CHH	-0.0579
Gm14	39087682	39088679	Gmdrm	hypo	CHH	-0.0418
Gm14	39088714	39089705	Gmdrm	hypo	CHH	-0.02
Gm14	39089715	39089891	Gmdrm	hypo	CHH	-0.1204
Gm14	39143738	39144733	Gmdrm	hypo	CHH	-0.0546
Gm14	39170537	39171534	Gmdrm	hypo	CHH	-0.0549
Gm14	39171541	39172166	Gmdrm	hypo	CHH	-0.057
Gm14	39173316	39174298	Gmdrm	hypo	CHH	-0.1152
Gm14	39221924	39222917	Gmdrm	hypo	CHH	-0.0339

Gm14	39245370	39245837	Gmdrm	hypo	CHH	-0.0982
Gm14	39271541	39272347	Gmdrm	hypo	CHH	-0.0504
Gm14	39447550	39447652	Gmdrm	hypo	CHH	-0.1234
Gm14	39483174	39484164	Gmdrm	hypo	CHH	-0.0159
Gm14	39491233	39492180	Gmdrm	hypo	CHH	-0.0573
Gm14	39492243	39493235	Gmdrm	hypo	CHH	-0.0396
Gm14	39495279	39496194	Gmdrm	hypo	CHH	-0.0333
Gm14	39497307	39498307	Gmdrm	hypo	CHH	-0.0362
Gm14	39601494	39601621	Gmdrm	hypo	CHH	-0.1264
Gm14	39737907	39738722	Gmdrm	hypo	CHH	-0.1567
Gm14	39749790	39750788	Gmdrm	hypo	CHH	-0.0439
Gm14	39816513	39816825	Gmdrm	hypo	CHH	-0.093
Gm14	39912311	39912659	Gmdrm	hypo	CHH	-0.0608
Gm14	39924473	39925472	Gmdrm	hypo	CHH	-0.0229
Gm14	40054107	40055100	Gmdrm	hypo	CHH	-0.0565
Gm14	40070847	40071847	Gmdrm	hypo	CHH	-0.0319
Gm14	40071848	40072247	Gmdrm	hypo	CHH	-0.0328
Gm14	40180148	40181148	Gmdrm	hypo	CHH	-0.0618
Gm14	40181157	40182151	Gmdrm	hypo	CHH	-0.0628
Gm14	40182159	40183155	Gmdrm	hypo	CHH	-0.0783
Gm14	40183809	40184808	Gmdrm	hypo	CHH	-0.0714
Gm14	40185820	40186816	Gmdrm	hypo	CHH	-0.0709
Gm14	40186825	40187416	Gmdrm	hypo	CHH	-0.0702
Gm14	40187721	40188717	Gmdrm	hypo	CHH	-0.043
Gm14	40189728	40190724	Gmdrm	hypo	CHH	-0.0512
Gm14	40192738	40193736	Gmdrm	hypo	CHH	-0.0585
Gm14	40200793	40201527	Gmdrm	hypo	CHH	-0.0822
Gm14	40209384	40210377	Gmdrm	hypo	CHH	-0.0421
Gm14	40210394	40211391	Gmdrm	hypo	CHH	-0.0356
Gm14	40217453	40218441	Gmdrm	hypo	CHH	-0.0828
Gm14	40219354	40219869	Gmdrm	hypo	CHH	-0.1507
Gm14	40220002	40221000	Gmdrm	hypo	CHH	-0.0445
Gm14	40292883	40293646	Gmdrm	hypo	CHH	-0.0872
Gm14	40723368	40723524	Gmdrm	hypo	CHH	-0.0605
Gm14	40760009	40760999	Gmdrm	hypo	CHH	-0.0292
Gm14	40763809	40764779	Gmdrm	hypo	CHH	-0.0338
Gm14	40767870	40768429	Gmdrm	hypo	CHH	-0.0365
Gm14	40771404	40772212	Gmdrm	hypo	CHH	-0.0233
Gm14	40774289	40775280	Gmdrm	hypo	CHH	-0.0252
Gm14	40787041	40788003	Gmdrm	hypo	CHH	-0.0337
Gm14	40789059	40790023	Gmdrm	hypo	CHH	-0.0225
Gm14	40790072	40791066	Gmdrm	hypo	CHH	-0.0232
Gm14	40873559	40873881	Gmdrm	hypo	CHH	-0.054
Gm14	40937390	40937796	Gmdrm	hypo	CHH	-0.0553
Gm14	40941841	40942824	Gmdrm	hypo	CHH	-0.0223
Gm14	40953381	40954378	Gmdrm	hypo	CHH	-0.0783

Gm14	40959405	40960399	Gmdrm	hypo	CHH	-0.0969
Gm14	40960555	40961554	Gmdrm	hypo	CHH	-0.0122
Gm14	40962588	40963578	Gmdrm	hypo	CHH	-0.2297
Gm14	40963597	40964593	Gmdrm	hypo	CHH	-0.0401
Gm14	40964604	40965602	Gmdrm	hypo	CHH	-0.0649
Gm14	40972689	40973689	Gmdrm	hypo	CHH	-0.0738
Gm14	40973694	40974368	Gmdrm	hypo	CHH	-0.0294
Gm14	40979213	40979864	Gmdrm	hypo	CHH	-0.0483
Gm14	40984708	40985411	Gmdrm	hypo	CHH	-0.0616
Gm14	40993525	40993882	Gmdrm	hypo	CHH	-0.032
Gm14	40996692	40997682	Gmdrm	hypo	CHH	-0.0522
Gm14	40997696	40998691	Gmdrm	hypo	CHH	-0.0303
Gm14	41040341	41040548	Gmdrm	hypo	CHH	-0.0871
Gm14	41048767	41049759	Gmdrm	hypo	CHH	-0.0599
Gm14	41077817	41078805	Gmdrm	hypo	CHH	-0.0104
Gm14	41088314	41089313	Gmdrm	hypo	CHH	-0.0781
Gm14	41118081	41118621	Gmdrm	hypo	CHH	-0.0998
Gm14	41122578	41123577	Gmdrm	hypo	CHH	-0.0175
Gm14	41123581	41124562	Gmdrm	hypo	CHH	-0.0173
Gm14	41133910	41134899	Gmdrm	hypo	CHH	-0.0682
Gm14	41134913	41135908	Gmdrm	hypo	CHH	-0.0938
Gm14	41136921	41137910	Gmdrm	hypo	CHH	-0.0248
Gm14	41177049	41178042	Gmdrm	hypo	CHH	-0.0684
Gm14	41179087	41180084	Gmdrm	hypo	CHH	-0.0278
Gm14	41227137	41228126	Gmdrm	hypo	CHH	-0.0294
Gm14	41236646	41236873	Gmdrm	hypo	CHH	-0.0788
Gm14	41255929	41256920	Gmdrm	hypo	CHH	-0.1163
Gm14	41265915	41266908	Gmdrm	hypo	CHH	-0.0216
Gm14	41266932	41267910	Gmdrm	hypo	CHH	-0.0138
Gm14	41285955	41286953	Gmdrm	hypo	CHH	-0.0265
Gm14	41314858	41315813	Gmdrm	hypo	CHH	-0.0277
Gm14	41322284	41323279	Gmdrm	hypo	CHH	-0.0153
Gm14	41333854	41334847	Gmdrm	hypo	CHH	-0.0336
Gm14	41393992	41394671	Gmdrm	hypo	CHH	-0.0701
Gm14	41402603	41402651	Gmdrm	hypo	CHH	-0.034
Gm14	41407848	41407912	Gmdrm	hypo	CHH	-0.166
Gm14	41427479	41428471	Gmdrm	hypo	CHH	-0.0515
Gm14	41428486	41429483	Gmdrm	hypo	CHH	-0.0364
Gm14	41430495	41431489	Gmdrm	hypo	CHH	-0.0504
Gm14	41431508	41432292	Gmdrm	hypo	CHH	-0.0519
Gm14	41441353	41441660	Gmdrm	hypo	CHH	-0.0327
Gm14	41454368	41455357	Gmdrm	hypo	CHH	-0.03
Gm14	41471802	41472521	Gmdrm	hypo	CHH	-0.0276
Gm14	41473937	41474758	Gmdrm	hypo	CHH	-0.037
Gm14	41474859	41475858	Gmdrm	hypo	CHH	-0.0355
Gm14	41480379	41481377	Gmdrm	hypo	CHH	-0.1221

Gm14	41510831	41511822	Gmdrm	hypo	CHH	-0.1753
Gm14	41511844	41512807	Gmdrm	hypo	CHH	-0.0429
Gm14	41512862	41513857	Gmdrm	hypo	CHH	-0.0215
Gm14	41526167	41526970	Gmdrm	hypo	CHH	-0.0184
Gm14	41530989	41531989	Gmdrm	hypo	CHH	-0.0509
Gm14	41531993	41532989	Gmdrm	hypo	CHH	-0.0825
Gm14	41534025	41535020	Gmdrm	hypo	CHH	-0.0528
Gm14	41568006	41569005	Gmdrm	hypo	CHH	-0.0493
Gm14	41596885	41597884	Gmdrm	hypo	CHH	-0.0443
Gm14	41597891	41598866	Gmdrm	hypo	CHH	-0.0431
Gm14	41608047	41609044	Gmdrm	hypo	CHH	-0.0129
Gm14	41610220	41611165	Gmdrm	hypo	CHH	-0.0202
Gm14	41611222	41611831	Gmdrm	hypo	CHH	-0.0209
Gm14	41653611	41654309	Gmdrm	hypo	CHH	-0.0556
Gm14	41676390	41677376	Gmdrm	hypo	CHH	-0.0338
Gm14	41681448	41682443	Gmdrm	hypo	CHH	-0.1152
Gm14	41710079	41710772	Gmdrm	hypo	CHH	-0.0598
Gm14	41724446	41725438	Gmdrm	hypo	CHH	-0.0239
Gm14	41728454	41729452	Gmdrm	hypo	CHH	-0.0214
Gm14	41797996	41798982	Gmdrm	hypo	CHH	-0.0471
Gm14	41806663	41807581	Gmdrm	hypo	CHH	-0.0531
Gm14	41812238	41813223	Gmdrm	hypo	CHH	-0.1502
Gm14	41829126	41830104	Gmdrm	hypo	CHH	-0.0829
Gm14	41830396	41831272	Gmdrm	hypo	CHH	-0.1135
Gm14	41838894	41839053	Gmdrm	hypo	CHH	-0.05
Gm14	41840735	41841728	Gmdrm	hypo	CHH	-0.1425
Gm14	41841743	41842737	Gmdrm	hypo	CHH	-0.0556
Gm14	41842745	41843707	Gmdrm	hypo	CHH	-0.1003
Gm14	41884265	41885212	Gmdrm	hypo	CHH	-0.0237
Gm14	41889590	41890548	Gmdrm	hypo	CHH	-0.0426
Gm14	41917143	41917310	Gmdrm	hypo	CHH	-0.0187
Gm14	41944681	41945667	Gmdrm	hypo	CHH	-0.0675
Gm14	41945683	41946673	Gmdrm	hypo	CHH	-0.0169
Gm14	41955379	41956376	Gmdrm	hypo	CHH	-0.114
Gm14	41956388	41957384	Gmdrm	hypo	CHH	-0.0905
Gm14	41971514	41972502	Gmdrm	hypo	CHH	-0.0395
Gm14	41973522	41974515	Gmdrm	hypo	CHH	-0.0386
Gm14	42003531	42004178	Gmdrm	hypo	CHH	-0.0207
Gm14	42024264	42025264	Gmdrm	hypo	CHH	-0.055
Gm14	42025269	42026262	Gmdrm	hypo	CHH	-0.0547
Gm14	42040877	42041440	Gmdrm	hypo	CHH	-0.0692
Gm14	42046420	42047408	Gmdrm	hypo	CHH	-0.0112
Gm14	42088002	42088968	Gmdrm	hypo	CHH	-0.0784
Gm14	42129359	42130357	Gmdrm	hypo	CHH	-0.0746
Gm14	42130364	42130588	Gmdrm	hypo	CHH	-0.0727
Gm14	42132043	42133030	Gmdrm	hypo	CHH	-0.0795

Gm14	42174278	42175272 Gmdrm	hypo	CHH	-0.0167
Gm14	42175295	42176295 Gmdrm	hypo	CHH	-0.0166
Gm14	42183504	42184504 Gmdrm	hypo	CHH	-0.1189
Gm14	42184508	42185507 Gmdrm	hypo	CHH	-0.0602
Gm14	42185519	42186493 Gmdrm	hypo	CHH	-0.0451
Gm14	42186521	42187494 Gmdrm	hypo	CHH	-0.013
Gm14	42193005	42193621 Gmdrm	hypo	CHH	-0.0215
Gm14	42198678	42199662 Gmdrm	hypo	CHH	-0.0277
Gm14	42230853	42231821 Gmdrm	hypo	CHH	-0.0881
Gm14	42242586	42243583 Gmdrm	hypo	CHH	-0.0281
Gm14	42261486	42262475 Gmdrm	hypo	CHH	-0.0117
Gm14	42264656	42265641 Gmdrm	hypo	CHH	-0.0504
Gm14	42266689	42267672 Gmdrm	hypo	CHH	-0.0168
Gm14	42363095	42363228 Gmdrm	hypo	CHH	-0.0771
Gm14	42364585	42365506 Gmdrm	hypo	CHH	-0.0327
Gm14	42365728	42366700 Gmdrm	hypo	CHH	-0.0412
Gm14	42366738	42367727 Gmdrm	hypo	CHH	-0.0257
Gm14	42367747	42368747 Gmdrm	hypo	CHH	-0.02
Gm14	42368753	42369747 Gmdrm	hypo	CHH	-0.0455
Gm14	42369754	42370152 Gmdrm	hypo	CHH	-0.0518
Gm14	42408611	42409568 Gmdrm	hypo	CHH	-0.0234
Gm14	42410619	42411610 Gmdrm	hypo	CHH	-0.0273
Gm14	42449802	42450796 Gmdrm	hypo	CHH	-0.043
Gm14	42450808	42451785 Gmdrm	hypo	CHH	-0.0277
Gm14	42486409	42487407 Gmdrm	hypo	CHH	-0.0806
Gm14	42490006	42490996 Gmdrm	hypo	CHH	-0.0232
Gm14	42491056	42491989 Gmdrm	hypo	CHH	-0.0642
Gm14	42508158	42509155 Gmdrm	hypo	CHH	-0.0707
Gm14	42525118	42526107 Gmdrm	hypo	CHH	-0.0242
Gm14	42528281	42529273 Gmdrm	hypo	CHH	-0.062
Gm14	42533306	42534300 Gmdrm	hypo	CHH	-0.0502
Gm14	42597795	42598791 Gmdrm	hypo	CHH	-0.0415
Gm14	42600284	42601250 Gmdrm	hypo	CHH	-0.024
Gm14	42622120	42623104 Gmdrm	hypo	CHH	-0.0407
Gm14	42623122	42624114 Gmdrm	hypo	CHH	-0.0717
Gm14	42626412	42627411 Gmdrm	hypo	CHH	-0.1114
Gm14	42629636	42630614 Gmdrm	hypo	CHH	-0.0797
Gm14	42666562	42667459 Gmdrm	hypo	CHH	-0.0165
Gm14	42678614	42679612 Gmdrm	hypo	CHH	-0.0411
Gm14	42681623	42682623 Gmdrm	hypo	CHH	-0.0926
Gm14	42682625	42683594 Gmdrm	hypo	CHH	-0.098
Gm14	42686145	42687140 Gmdrm	hypo	CHH	-0.1136
Gm14	42687147	42688144 Gmdrm	hypo	CHH	-0.0381
Gm14	42688157	42689147 Gmdrm	hypo	CHH	-0.1117
Gm14	42690588	42691566 Gmdrm	hypo	CHH	-0.0295
Gm14	42704488	42705478 Gmdrm	hypo	CHH	-0.029

Gm14	42705499	42706050	Gmdrm	hypo	CHH	-0.0931
Gm14	42740620	42741308	Gmdrm	hypo	CHH	-0.053
Gm14	42776531	42777018	Gmdrm	hypo	CHH	-0.0388
Gm14	42779476	42780474	Gmdrm	hypo	CHH	-0.0571
Gm14	42780478	42781467	Gmdrm	hypo	CHH	-0.1112
Gm14	42781480	42782479	Gmdrm	hypo	CHH	-0.0426
Gm14	42783124	42783218	Gmdrm	hypo	CHH	-0.028
Gm14	42783383	42784382	Gmdrm	hypo	CHH	-0.0846
Gm14	42784389	42785379	Gmdrm	hypo	CHH	-0.2085
Gm14	42787184	42788163	Gmdrm	hypo	CHH	-0.0748
Gm14	42791168	42792163	Gmdrm	hypo	CHH	-0.0212
Gm14	42832124	42833124	Gmdrm	hypo	CHH	-0.0411
Gm14	42835199	42836196	Gmdrm	hypo	CHH	-0.0212
Gm14	42855229	42856208	Gmdrm	hypo	CHH	-0.0293
Gm14	42883796	42884781	Gmdrm	hypo	CHH	-0.0258
Gm14	42884984	42885963	Gmdrm	hypo	CHH	-0.043
Gm14	42885988	42886974	Gmdrm	hypo	CHH	-0.061
Gm14	42886996	42887991	Gmdrm	hypo	CHH	-0.0329
Gm14	42888002	42889001	Gmdrm	hypo	CHH	-0.136
Gm14	42889003	42889998	Gmdrm	hypo	CHH	-0.1403
Gm14	42893090	42893241	Gmdrm	hypo	CHH	-0.0422
Gm14	42895060	42896056	Gmdrm	hypo	CHH	-0.0325
Gm14	42896066	42897058	Gmdrm	hypo	CHH	-0.0462
Gm14	42903770	42904283	Gmdrm	hypo	CHH	-0.0361
Gm14	42904426	42905417	Gmdrm	hypo	CHH	-0.0457
Gm14	42927472	42928194	Gmdrm	hypo	CHH	-0.0644
Gm14	42935839	42936387	Gmdrm	hypo	CHH	-0.0238
Gm14	42936681	42937283	Gmdrm	hypo	CHH	-0.02
Gm14	42939447	42940447	Gmdrm	hypo	CHH	-0.0276
Gm14	42940456	42941443	Gmdrm	hypo	CHH	-0.1273
Gm14	42951487	42952486	Gmdrm	hypo	CHH	-0.0317
Gm14	42952492	42953492	Gmdrm	hypo	CHH	-0.0418
Gm14	42957084	42957365	Gmdrm	hypo	CHH	-0.0814
Gm14	42964004	42964957	Gmdrm	hypo	CHH	-0.0616
Gm14	42965021	42965347	Gmdrm	hypo	CHH	-0.2385
Gm14	42997280	42998280	Gmdrm	hypo	CHH	-0.0285
Gm14	42998282	42999270	Gmdrm	hypo	CHH	-0.0335
Gm14	43111814	43112451	Gmdrm	hypo	CHH	-0.0419
Gm14	43113990	43114985	Gmdrm	hypo	CHH	-0.0926
Gm14	43145458	43146454	Gmdrm	hypo	CHH	-0.026
Gm14	43160201	43160871	Gmdrm	hypo	CHH	-0.042
Gm14	43162091	43163090	Gmdrm	hypo	CHH	-0.0221
Gm14	43163104	43164093	Gmdrm	hypo	CHH	-0.0417
Gm14	43175149	43176135	Gmdrm	hypo	CHH	-0.0319
Gm14	43179553	43180021	Gmdrm	hypo	CHH	-0.055
Gm14	43184585	43185578	Gmdrm	hypo	CHH	-0.0713

Gm14	43185590	43186588	Gmdrm	hypo	CHH	-0.0865
Gm14	43186614	43187610	Gmdrm	hypo	CHH	-0.0316
Gm14	43187616	43188603	Gmdrm	hypo	CHH	-0.0286
Gm14	43251018	43251995	Gmdrm	hypo	CHH	-0.0424
Gm14	43260331	43261329	Gmdrm	hypo	CHH	-0.1027
Gm14	43278524	43279507	Gmdrm	hypo	CHH	-0.0261
Gm14	43300723	43301722	Gmdrm	hypo	CHH	-0.0454
Gm14	43303700	43304678	Gmdrm	hypo	CHH	-0.02
Gm14	43320685	43321639	Gmdrm	hypo	CHH	-0.2073
Gm14	43329564	43330564	Gmdrm	hypo	CHH	-0.0119
Gm14	43330575	43331227	Gmdrm	hypo	CHH	-0.0224
Gm14	43343913	43344532	Gmdrm	hypo	CHH	-0.0214
Gm14	43351102	43352081	Gmdrm	hypo	CHH	-0.0181
Gm14	43352119	43353116	Gmdrm	hypo	CHH	-0.1662
Gm14	43357208	43358206	Gmdrm	hypo	CHH	-0.1237
Gm14	43381399	43381977	Gmdrm	hypo	CHH	-0.1184
Gm14	43384772	43385772	Gmdrm	hypo	CHH	-0.0287
Gm14	43423701	43424697	Gmdrm	hypo	CHH	-0.2087
Gm14	43441533	43442456	Gmdrm	hypo	CHH	-0.0393
Gm14	43449413	43450395	Gmdrm	hypo	CHH	-0.0178
Gm14	43451430	43452420	Gmdrm	hypo	CHH	-0.0381
Gm14	43452439	43453434	Gmdrm	hypo	CHH	-0.1124
Gm14	43457241	43458217	Gmdrm	hypo	CHH	-0.0757
Gm14	43458249	43459242	Gmdrm	hypo	CHH	-0.0159
Gm14	43461237	43462208	Gmdrm	hypo	CHH	-0.0156
Gm14	43505385	43506371	Gmdrm	hypo	CHH	-0.1133
Gm14	43506393	43507376	Gmdrm	hypo	CHH	-0.1269
Gm14	43509488	43510484	Gmdrm	hypo	CHH	-0.0209
Gm14	43510493	43511470	Gmdrm	hypo	CHH	-0.1344
Gm14	43524782	43525780	Gmdrm	hypo	CHH	-0.0254
Gm14	43525784	43526766	Gmdrm	hypo	CHH	-0.0386
Gm14	43537694	43538689	Gmdrm	hypo	CHH	-0.1084
Gm14	43543297	43544291	Gmdrm	hypo	CHH	-0.0583
Gm14	43567624	43568613	Gmdrm	hypo	CHH	-0.1244
Gm14	43600460	43601452	Gmdrm	hypo	CHH	-0.218
Gm14	43601471	43602448	Gmdrm	hypo	CHH	-0.0546
Gm14	43603541	43604534	Gmdrm	hypo	CHH	-0.0229
Gm14	43607156	43608155	Gmdrm	hypo	CHH	-0.0447
Gm14	43626958	43627946	Gmdrm	hypo	CHH	-0.0268
Gm14	43627962	43628933	Gmdrm	hypo	CHH	-0.024
Gm14	43628972	43629633	Gmdrm	hypo	CHH	-0.0223
Gm14	43634934	43635061	Gmdrm	hypo	CHH	-0.0278
Gm14	43639267	43640259	Gmdrm	hypo	CHH	-0.0155
Gm14	43643285	43644282	Gmdrm	hypo	CHH	-0.0452
Gm14	43644287	43645268	Gmdrm	hypo	CHH	-0.0537
Gm14	43645337	43646335	Gmdrm	hypo	CHH	-0.1808

Gm14	43652239	43653231	Gmdrm	hypo	CHH	-0.0387
Gm14	43658630	43659630	Gmdrm	hypo	CHH	-0.0196
Gm14	43660661	43661653	Gmdrm	hypo	CHH	-0.0314
Gm14	43663689	43664672	Gmdrm	hypo	CHH	-0.0276
Gm14	43664701	43664729	Gmdrm	hypo	CHH	-0.05
Gm14	43665204	43666204	Gmdrm	hypo	CHH	-0.1226
Gm14	43710758	43711758	Gmdrm	hypo	CHH	-0.0436
Gm14	43711761	43712759	Gmdrm	hypo	CHH	-0.067
Gm14	43722262	43723172	Gmdrm	hypo	CHH	-0.0771
Gm14	43725360	43726359	Gmdrm	hypo	CHH	-0.0288
Gm14	43726392	43726990	Gmdrm	hypo	CHH	-0.0908
Gm14	43728605	43729600	Gmdrm	hypo	CHH	-0.0446
Gm14	43738116	43738878	Gmdrm	hypo	CHH	-0.0453
Gm14	43759194	43760180	Gmdrm	hypo	CHH	-0.0372
Gm14	43760198	43760991	Gmdrm	hypo	CHH	-0.038
Gm14	43769666	43770665	Gmdrm	hypo	CHH	-0.0176
Gm14	43770672	43771652	Gmdrm	hypo	CHH	-0.0151
Gm14	43798332	43799329	Gmdrm	hypo	CHH	-0.0638
Gm14	43799337	43800306	Gmdrm	hypo	CHH	-0.0289
Gm14	43832637	43833632	Gmdrm	hypo	CHH	-0.0302
Gm14	43833660	43834659	Gmdrm	hypo	CHH	-0.0191
Gm14	43861949	43862941	Gmdrm	hypo	CHH	-0.0795
Gm14	43862950	43863916	Gmdrm	hypo	CHH	-0.2001
Gm14	43868121	43868298	Gmdrm	hypo	CHH	-0.1171
Gm14	43873864	43874389	Gmdrm	hypo	CHH	-0.0778
Gm14	43888705	43889687	Gmdrm	hypo	CHH	-0.0322
Gm14	43948388	43949369	Gmdrm	hypo	CHH	-0.0197
Gm14	43952739	43953720	Gmdrm	hypo	CHH	-0.1049
Gm14	43955680	43956675	Gmdrm	hypo	CHH	-0.0139
Gm14	43958169	43959167	Gmdrm	hypo	CHH	-0.0886
Gm14	43978105	43978491	Gmdrm	hypo	CHH	-0.1015
Gm14	43997786	43998760	Gmdrm	hypo	CHH	-0.0594
Gm14	44003280	44004276	Gmdrm	hypo	CHH	-0.2196
Gm14	44004285	44005284	Gmdrm	hypo	CHH	-0.0932
Gm14	44032706	44033693	Gmdrm	hypo	CHH	-0.0214
Gm14	44045209	44046131	Gmdrm	hypo	CHH	-0.0145
Gm14	44074605	44075594	Gmdrm	hypo	CHH	-0.0381
Gm14	44100146	44100976	Gmdrm	hypo	CHH	-0.0181
Gm14	44102650	44103636	Gmdrm	hypo	CHH	-0.0709
Gm14	44103662	44104312	Gmdrm	hypo	CHH	-0.0112
Gm14	44114693	44115693	Gmdrm	hypo	CHH	-0.1402
Gm14	44115697	44116679	Gmdrm	hypo	CHH	-0.0547
Gm14	44192252	44193243	Gmdrm	hypo	CHH	-0.024
Gm14	44194079	44195072	Gmdrm	hypo	CHH	-0.0359
Gm14	44198091	44199091	Gmdrm	hypo	CHH	-0.0241
Gm14	44199100	44199595	Gmdrm	hypo	CHH	-0.1387

Gm14	44200984	44201970 Gmdrm	hypo	CHH	-0.0622
Gm14	44211002	44211995 Gmdrm	hypo	CHH	-0.0786
Gm14	44235783	44236734 Gmdrm	hypo	CHH	-0.0105
Gm14	44246460	44247451 Gmdrm	hypo	CHH	-0.0234
Gm14	44268537	44269532 Gmdrm	hypo	CHH	-0.055
Gm14	44270762	44271758 Gmdrm	hypo	CHH	-0.0484
Gm14	44304663	44305642 Gmdrm	hypo	CHH	-0.0275
Gm14	44306696	44307689 Gmdrm	hypo	CHH	-0.0417
Gm14	44307701	44308700 Gmdrm	hypo	CHH	-0.103
Gm14	44312711	44313711 Gmdrm	hypo	CHH	-0.0882
Gm14	44339314	44340308 Gmdrm	hypo	CHH	-0.1974
Gm14	44342649	44343648 Gmdrm	hypo	CHH	-0.1524
Gm14	44343671	44344667 Gmdrm	hypo	CHH	-0.0372
Gm14	44346595	44347594 Gmdrm	hypo	CHH	-0.0542
Gm14	44367654	44368622 Gmdrm	hypo	CHH	-0.0838
Gm14	44370836	44371829 Gmdrm	hypo	CHH	-0.0295
Gm14	44376773	44377660 Gmdrm	hypo	CHH	-0.0191
Gm14	44406344	44407330 Gmdrm	hypo	CHH	-0.0608
Gm14	44408050	44409050 Gmdrm	hypo	CHH	-0.0147
Gm14	44410086	44410927 Gmdrm	hypo	CHH	-0.0253
Gm14	44411376	44411792 Gmdrm	hypo	CHH	-0.0319
Gm14	44413107	44414101 Gmdrm	hypo	CHH	-0.0177
Gm14	44415964	44416964 Gmdrm	hypo	CHH	-0.0208
Gm14	44425609	44426226 Gmdrm	hypo	CHH	-0.0384
Gm14	44426507	44427487 Gmdrm	hypo	CHH	-0.2218
Gm14	44434610	44435606 Gmdrm	hypo	CHH	-0.0594
Gm14	44444078	44445039 Gmdrm	hypo	CHH	-0.0733
Gm14	44462921	44463908 Gmdrm	hypo	CHH	-0.0577
Gm14	44469650	44470645 Gmdrm	hypo	CHH	-0.0619
Gm14	44471013	44471997 Gmdrm	hypo	CHH	-0.0549
Gm14	44472032	44473030 Gmdrm	hypo	CHH	-0.0248
Gm14	44473035	44474026 Gmdrm	hypo	CHH	-0.0521
Gm14	44474038	44475027 Gmdrm	hypo	CHH	-0.034
Gm14	44475049	44476024 Gmdrm	hypo	CHH	-0.0496
Gm14	44476073	44477070 Gmdrm	hypo	CHH	-0.0381
Gm14	44480606	44481563 Gmdrm	hypo	CHH	-0.0189
Gm14	44481615	44482615 Gmdrm	hypo	CHH	-0.0346
Gm14	44482638	44483634 Gmdrm	hypo	CHH	-0.0226
Gm14	44485444	44486428 Gmdrm	hypo	CHH	-0.1075
Gm14	44486459	44487389 Gmdrm	hypo	CHH	-0.0266
Gm14	44492426	44493426 Gmdrm	hypo	CHH	-0.0449
Gm14	44493434	44494426 Gmdrm	hypo	CHH	-0.1366
Gm14	44494437	44495414 Gmdrm	hypo	CHH	-0.1132
Gm14	44505058	44506057 Gmdrm	hypo	CHH	-0.0573
Gm14	44511898	44512885 Gmdrm	hypo	CHH	-0.0306
Gm14	44517101	44517717 Gmdrm	hypo	CHH	-0.045

Gm14	44517821	44518811 Gmdrm	hypo	CHH	-0.1333
Gm14	44526352	44527350 Gmdrm	hypo	CHH	-0.0336
Gm14	44532189	44533189 Gmdrm	hypo	CHH	-0.0617
Gm14	44538475	44539468 Gmdrm	hypo	CHH	-0.0271
Gm14	44539480	44540411 Gmdrm	hypo	CHH	-0.0207
Gm14	44541608	44541827 Gmdrm	hypo	CHH	-0.105
Gm14	44554841	44555832 Gmdrm	hypo	CHH	-0.0641
Gm14	44555843	44556797 Gmdrm	hypo	CHH	-0.09
Gm14	44557148	44557227 Gmdrm	hypo	CHH	-0.0466
Gm14	44607993	44608989 Gmdrm	hypo	CHH	-0.0162
Gm14	44611247	44611996 Gmdrm	hypo	CHH	-0.0353
Gm14	44613065	44614058 Gmdrm	hypo	CHH	-0.3046
Gm14	44614067	44615059 Gmdrm	hypo	CHH	-0.0604
Gm14	44636113	44637089 Gmdrm	hypo	CHH	-0.0139
Gm14	44654328	44654878 Gmdrm	hypo	CHH	-0.025
Gm14	44654986	44655964 Gmdrm	hypo	CHH	-0.088
Gm14	44663563	44664561 Gmdrm	hypo	CHH	-0.0233
Gm14	44667600	44668578 Gmdrm	hypo	CHH	-0.0324
Gm14	44668635	44669632 Gmdrm	hypo	CHH	-0.0657
Gm14	44671225	44672192 Gmdrm	hypo	CHH	-0.0172
Gm14	44672585	44673158 Gmdrm	hypo	CHH	-0.0245
Gm14	44673650	44674647 Gmdrm	hypo	CHH	-0.1706
Gm14	44674656	44675642 Gmdrm	hypo	CHH	-0.0401
Gm14	44675658	44676652 Gmdrm	hypo	CHH	-0.0192
Gm14	44679671	44680661 Gmdrm	hypo	CHH	-0.0567
Gm14	44680683	44681659 Gmdrm	hypo	CHH	-0.0476
Gm14	44682748	44683740 Gmdrm	hypo	CHH	-0.0436
Gm14	44711162	44711741 Gmdrm	hypo	CHH	-0.0679
Gm14	44730552	44731545 Gmdrm	hypo	CHH	-0.0339
Gm14	44731560	44732539 Gmdrm	hypo	CHH	-0.0337
Gm14	44764119	44765115 Gmdrm	hypo	CHH	-0.0843
Gm14	44765127	44766105 Gmdrm	hypo	CHH	-0.1195
Gm14	44793142	44794102 Gmdrm	hypo	CHH	-0.3234
Gm14	44802277	44803275 Gmdrm	hypo	CHH	-0.0196
Gm14	44803279	44803688 Gmdrm	hypo	CHH	-0.0244
Gm14	44841102	44842079 Gmdrm	hypo	CHH	-0.0374
Gm14	44845254	44846254 Gmdrm	hypo	CHH	-0.1803
Gm14	44853736	44854732 Gmdrm	hypo	CHH	-0.1049
Gm14	44860727	44861721 Gmdrm	hypo	CHH	-0.1198
Gm14	44862762	44863761 Gmdrm	hypo	CHH	-0.0571
Gm14	44863769	44864769 Gmdrm	hypo	CHH	-0.063
Gm14	44873366	44874340 Gmdrm	hypo	CHH	-0.0139
Gm14	44893553	44894553 Gmdrm	hypo	CHH	-0.0569
Gm14	44908779	44909636 Gmdrm	hypo	CHH	-0.304
Gm14	44918717	44919677 Gmdrm	hypo	CHH	-0.022
Gm14	44919867	44920861 Gmdrm	hypo	CHH	-0.1954

Gm14	44936480	44937468	Gmdrm	hypo	CHH	-0.057
Gm14	44937696	44938694	Gmdrm	hypo	CHH	-0.0321
Gm14	44938700	44939632	Gmdrm	hypo	CHH	-0.0247
Gm14	44949165	44950163	Gmdrm	hypo	CHH	-0.117
Gm14	44950170	44950252	Gmdrm	hypo	CHH	-0.3541
Gm14	44958619	44959231	Gmdrm	hypo	CHH	-0.0695
Gm14	44959346	44960340	Gmdrm	hypo	CHH	-0.0164
Gm14	44960371	44960951	Gmdrm	hypo	CHH	-0.1134
Gm14	44970615	44971008	Gmdrm	hypo	CHH	-0.136
Gm14	44978855	44979852	Gmdrm	hypo	CHH	-0.1053
Gm14	44979868	44980041	Gmdrm	hypo	CHH	-0.2176
Gm14	44980145	44981137	Gmdrm	hypo	CHH	-0.0386
Gm14	44997622	44998614	Gmdrm	hypo	CHH	-0.0392
Gm14	45010165	45011153	Gmdrm	hypo	CHH	-0.0413
Gm14	45016108	45017078	Gmdrm	hypo	CHH	-0.0502
Gm14	45019339	45020314	Gmdrm	hypo	CHH	-0.0144
Gm14	45030177	45031158	Gmdrm	hypo	CHH	-0.0374
Gm14	45031182	45032179	Gmdrm	hypo	CHH	-0.0339
Gm14	45060145	45061135	Gmdrm	hypo	CHH	-0.1845
Gm14	45063121	45064108	Gmdrm	hypo	CHH	-0.0223
Gm14	45072186	45073180	Gmdrm	hypo	CHH	-0.0362
Gm14	45074221	45074581	Gmdrm	hypo	CHH	-0.023
Gm14	45074691	45075686	Gmdrm	hypo	CHH	-0.0438
Gm14	45075701	45076699	Gmdrm	hypo	CHH	-0.0588
Gm14	45084595	45085590	Gmdrm	hypo	CHH	-0.0685
Gm14	45088824	45089797	Gmdrm	hypo	CHH	-0.0493
Gm14	45093355	45094349	Gmdrm	hypo	CHH	-0.0161
Gm14	45094364	45095279	Gmdrm	hypo	CHH	-0.073
Gm14	45096975	45097686	Gmdrm	hypo	CHH	-0.0368
Gm14	45117853	45118850	Gmdrm	hypo	CHH	-0.018
Gm14	45126863	45127845	Gmdrm	hypo	CHH	-0.0317
Gm14	45152864	45153858	Gmdrm	hypo	CHH	-0.0184
Gm14	45160197	45161185	Gmdrm	hypo	CHH	-0.0951
Gm14	45161656	45162609	Gmdrm	hypo	CHH	-0.0485
Gm14	45170105	45170470	Gmdrm	hypo	CHH	-0.0182
Gm14	45201047	45202043	Gmdrm	hypo	CHH	-0.0539
Gm14	45221499	45222461	Gmdrm	hypo	CHH	-0.0172
Gm14	45245044	45246043	Gmdrm	hypo	CHH	-0.0501
Gm14	45246046	45247035	Gmdrm	hypo	CHH	-0.0864
Gm14	45247133	45248100	Gmdrm	hypo	CHH	-0.1024
Gm14	45251931	45252918	Gmdrm	hypo	CHH	-0.0166
Gm14	45267565	45268553	Gmdrm	hypo	CHH	-0.0506
Gm14	45268567	45269555	Gmdrm	hypo	CHH	-0.0521
Gm14	45288481	45288747	Gmdrm	hypo	CHH	-0.0152
Gm14	45288857	45289849	Gmdrm	hypo	CHH	-0.0165
Gm14	45292971	45293203	Gmdrm	hypo	CHH	-0.2082

Gm14	45306821	45307806	Gmdrm	hypo	CHH	-0.0195
Gm14	45308870	45309853	Gmdrm	hypo	CHH	-0.1039
Gm14	45319031	45319993	Gmdrm	hypo	CHH	-0.1336
Gm14	45321068	45322030	Gmdrm	hypo	CHH	-0.0196
Gm14	45327015	45328000	Gmdrm	hypo	CHH	-0.0264
Gm14	45328019	45328997	Gmdrm	hypo	CHH	-0.0134
Gm14	45332965	45333951	Gmdrm	hypo	CHH	-0.0161
Gm14	45348066	45349058	Gmdrm	hypo	CHH	-0.022
Gm14	45359012	45359961	Gmdrm	hypo	CHH	-0.0168
Gm14	45365118	45366114	Gmdrm	hypo	CHH	-0.174
Gm14	45366119	45366645	Gmdrm	hypo	CHH	-0.3245
Gm14	45375777	45376766	Gmdrm	hypo	CHH	-0.2827
Gm14	45381364	45382359	Gmdrm	hypo	CHH	-0.0233
Gm14	45382365	45383360	Gmdrm	hypo	CHH	-0.0263
Gm14	45383368	45384349	Gmdrm	hypo	CHH	-0.0635
Gm14	45387860	45388845	Gmdrm	hypo	CHH	-0.1861
Gm14	45391042	45391979	Gmdrm	hypo	CHH	-0.0624
Gm14	45393056	45394056	Gmdrm	hypo	CHH	-0.0487
Gm14	45394059	45395057	Gmdrm	hypo	CHH	-0.0633
Gm14	45408879	45409876	Gmdrm	hypo	CHH	-0.0176
Gm14	45409886	45410883	Gmdrm	hypo	CHH	-0.0329
Gm14	45416642	45417631	Gmdrm	hypo	CHH	-0.0314
Gm14	45417652	45418579	Gmdrm	hypo	CHH	-0.0355
Gm14	45418703	45419703	Gmdrm	hypo	CHH	-0.0581
Gm14	45419705	45420642	Gmdrm	hypo	CHH	-0.0791
Gm14	45422103	45423097	Gmdrm	hypo	CHH	-0.0405
Gm14	45437992	45438987	Gmdrm	hypo	CHH	-0.0139
Gm14	45441354	45442334	Gmdrm	hypo	CHH	-0.1592
Gm14	45463922	45464918	Gmdrm	hypo	CHH	-0.051
Gm14	45466055	45467027	Gmdrm	hypo	CHH	-0.0167
Gm14	45467056	45468054	Gmdrm	hypo	CHH	-0.0667
Gm14	45468070	45469039	Gmdrm	hypo	CHH	-0.0187
Gm14	45472862	45473849	Gmdrm	hypo	CHH	-0.1301
Gm14	45473898	45474523	Gmdrm	hypo	CHH	-0.0733
Gm14	45485586	45486585	Gmdrm	hypo	CHH	-0.07
Gm14	45504147	45505147	Gmdrm	hypo	CHH	-0.0357
Gm14	45507519	45508453	Gmdrm	hypo	CHH	-0.0528
Gm14	45527354	45528232	Gmdrm	hypo	CHH	-0.1954
Gm14	45534085	45535061	Gmdrm	hypo	CHH	-0.0139
Gm14	45536463	45537202	Gmdrm	hypo	CHH	-0.0341
Gm14	45537336	45538063	Gmdrm	hypo	CHH	-0.0278
Gm14	45538185	45539160	Gmdrm	hypo	CHH	-0.0283
Gm14	45545726	45546722	Gmdrm	hypo	CHH	-0.0478
Gm14	45554531	45555276	Gmdrm	hypo	CHH	-0.0364
Gm14	45556504	45557502	Gmdrm	hypo	CHH	-0.0726
Gm14	45557509	45558506	Gmdrm	hypo	CHH	-0.0934

Gm14	45558512	45559510 Gmdrm	hypo	CHH	-0.0589
Gm14	45567061	45568058 Gmdrm	hypo	CHH	-0.058
Gm14	45591027	45592013 Gmdrm	hypo	CHH	-0.061
Gm14	45604106	45605092 Gmdrm	hypo	CHH	-0.0108
Gm14	45605132	45606125 Gmdrm	hypo	CHH	-0.0406
Gm14	45606134	45607121 Gmdrm	hypo	CHH	-0.096
Gm14	45608053	45608562 Gmdrm	hypo	CHH	-0.0274
Gm14	45618509	45618878 Gmdrm	hypo	CHH	-0.0289
Gm14	45639418	45640404 Gmdrm	hypo	CHH	-0.1436
Gm14	45642695	45643685 Gmdrm	hypo	CHH	-0.0503
Gm14	45645731	45646725 Gmdrm	hypo	CHH	-0.0178
Gm14	45650458	45651458 Gmdrm	hypo	CHH	-0.0775
Gm14	45651460	45651996 Gmdrm	hypo	CHH	-0.103
Gm14	45660258	45661247 Gmdrm	hypo	CHH	-0.0518
Gm14	45664801	45665780 Gmdrm	hypo	CHH	-0.0406
Gm14	45676020	45677009 Gmdrm	hypo	CHH	-0.0508
Gm14	45688004	45688991 Gmdrm	hypo	CHH	-0.0644
Gm14	45697362	45698347 Gmdrm	hypo	CHH	-0.0632
Gm14	45706282	45707280 Gmdrm	hypo	CHH	-0.0406
Gm14	45712339	45713307 Gmdrm	hypo	CHH	-0.0592
Gm14	45713348	45714322 Gmdrm	hypo	CHH	-0.0408
Gm14	45739609	45740609 Gmdrm	hypo	CHH	-0.0129
Gm14	45755624	45756623 Gmdrm	hypo	CHH	-0.0132
Gm14	45757657	45758635 Gmdrm	hypo	CHH	-0.1317
Gm14	45758664	45759505 Gmdrm	hypo	CHH	-0.0606
Gm14	45764323	45765322 Gmdrm	hypo	CHH	-0.143
Gm14	45770147	45771113 Gmdrm	hypo	CHH	-0.0133
Gm14	45772536	45773520 Gmdrm	hypo	CHH	-0.0152
Gm14	45776567	45777565 Gmdrm	hypo	CHH	-0.0394
Gm14	45777572	45778571 Gmdrm	hypo	CHH	-0.044
Gm14	45779380	45779982 Gmdrm	hypo	CHH	-0.0223
Gm14	45790418	45791406 Gmdrm	hypo	CHH	-0.0996
Gm14	45791439	45791920 Gmdrm	hypo	CHH	-0.0777
Gm14	45794185	45795115 Gmdrm	hypo	CHH	-0.1428
Gm14	45797371	45798365 Gmdrm	hypo	CHH	-0.0516
Gm14	45798377	45799365 Gmdrm	hypo	CHH	-0.0416
Gm14	45810319	45810635 Gmdrm	hypo	CHH	-0.0848
Gm14	45825765	45826758 Gmdrm	hypo	CHH	-0.0473
Gm14	45828482	45829479 Gmdrm	hypo	CHH	-0.0409
Gm14	45836030	45836949 Gmdrm	hypo	CHH	-0.1003
Gm14	45841001	45842001 Gmdrm	hypo	CHH	-0.0641
Gm14	45842004	45842999 Gmdrm	hypo	CHH	-0.0184
Gm14	45844014	45844997 Gmdrm	hypo	CHH	-0.0129
Gm14	45853690	45854457 Gmdrm	hypo	CHH	-0.1204
Gm14	45856117	45857113 Gmdrm	hypo	CHH	-0.0375
Gm14	45857124	45858110 Gmdrm	hypo	CHH	-0.0377

Gm14	45864226	45865010 Gmdrm	hypo	CHH	-0.0112
Gm14	45868853	45869829 Gmdrm	hypo	CHH	-0.0405
Gm14	45890154	45891147 Gmdrm	hypo	CHH	-0.0103
Gm14	45892170	45893170 Gmdrm	hypo	CHH	-0.0685
Gm14	45893171	45894165 Gmdrm	hypo	CHH	-0.0125
Gm14	45907066	45907928 Gmdrm	hypo	CHH	-0.0457
Gm14	45911893	45912892 Gmdrm	hypo	CHH	-0.2007
Gm14	45915948	45916640 Gmdrm	hypo	CHH	-0.0968
Gm14	45916825	45917825 Gmdrm	hypo	CHH	-0.0538
Gm14	45917833	45918829 Gmdrm	hypo	CHH	-0.0312
Gm14	45919867	45920864 Gmdrm	hypo	CHH	-0.0162
Gm14	45942957	45943957 Gmdrm	hypo	CHH	-0.105
Gm14	45943958	45944499 Gmdrm	hypo	CHH	-0.1107
Gm14	45957963	45958653 Gmdrm	hypo	CHH	-0.0519
Gm14	45958771	45959767 Gmdrm	hypo	CHH	-0.0408
Gm14	45959773	45960745 Gmdrm	hypo	CHH	-0.0312
Gm14	45961655	45962655 Gmdrm	hypo	CHH	-0.024
Gm14	45964696	45965687 Gmdrm	hypo	CHH	-0.0442
Gm14	45968266	45969251 Gmdrm	hypo	CHH	-0.0967
Gm14	45975317	45976059 Gmdrm	hypo	CHH	-0.0352
Gm14	45978514	45979477 Gmdrm	hypo	CHH	-0.0136
Gm14	45983215	45984197 Gmdrm	hypo	CHH	-0.0912
Gm14	45984219	45985218 Gmdrm	hypo	CHH	-0.0601
Gm14	45985221	45986221 Gmdrm	hypo	CHH	-0.0596
Gm14	45986696	45987696 Gmdrm	hypo	CHH	-0.1788
Gm14	45987697	45988679 Gmdrm	hypo	CHH	-0.0874
Gm14	45996719	45997714 Gmdrm	hypo	CHH	-0.1383
Gm14	45997723	45998717 Gmdrm	hypo	CHH	-0.1746
Gm14	45998727	45998889 Gmdrm	hypo	CHH	-0.323
Gm14	45999255	46000205 Gmdrm	hypo	CHH	-0.2082
Gm14	46005443	46006443 Gmdrm	hypo	CHH	-0.2561
Gm14	46006452	46007452 Gmdrm	hypo	CHH	-0.0771
Gm14	46009473	46010473 Gmdrm	hypo	CHH	-0.0148
Gm14	46012516	46013516 Gmdrm	hypo	CHH	-0.0688
Gm14	46014538	46015527 Gmdrm	hypo	CHH	-0.024
Gm14	46015543	46016537 Gmdrm	hypo	CHH	-0.0824
Gm14	46026249	46027188 Gmdrm	hypo	CHH	-0.0247
Gm14	46030240	46031236 Gmdrm	hypo	CHH	-0.0468
Gm14	46031241	46032238 Gmdrm	hypo	CHH	-0.0719
Gm14	46039692	46040685 Gmdrm	hypo	CHH	-0.0142
Gm14	46040701	46041700 Gmdrm	hypo	CHH	-0.0606
Gm14	46041706	46042704 Gmdrm	hypo	CHH	-0.0288
Gm14	46057514	46058486 Gmdrm	hypo	CHH	-0.0315
Gm14	46058516	46059508 Gmdrm	hypo	CHH	-0.049
Gm14	46060861	46061860 Gmdrm	hypo	CHH	-0.0853
Gm14	46061865	46062865 Gmdrm	hypo	CHH	-0.0248

Gm14	46063892	46064883	Gmdrm	hypo	CHH	-0.0277
Gm14	46066878	46067870	Gmdrm	hypo	CHH	-0.0147
Gm14	46067885	46068875	Gmdrm	hypo	CHH	-0.0407
Gm14	46068903	46069885	Gmdrm	hypo	CHH	-0.0143
Gm14	46076429	46077411	Gmdrm	hypo	CHH	-0.0336
Gm14	46078469	46079467	Gmdrm	hypo	CHH	-0.0316
Gm14	46079472	46080472	Gmdrm	hypo	CHH	-0.0739
Gm14	46089361	46090327	Gmdrm	hypo	CHH	-0.1377
Gm14	46099961	46100956	Gmdrm	hypo	CHH	-0.0405
Gm14	46100963	46101962	Gmdrm	hypo	CHH	-0.0517
Gm14	46101969	46102674	Gmdrm	hypo	CHH	-0.0345
Gm14	46109080	46110053	Gmdrm	hypo	CHH	-0.1128
Gm14	46110081	46111073	Gmdrm	hypo	CHH	-0.1179
Gm14	46121076	46122070	Gmdrm	hypo	CHH	-0.0259
Gm14	46124037	46125037	Gmdrm	hypo	CHH	-0.0109
Gm14	46130755	46131712	Gmdrm	hypo	CHH	-0.0111
Gm14	46134368	46135367	Gmdrm	hypo	CHH	-0.0279
Gm14	46138838	46139835	Gmdrm	hypo	CHH	-0.0367
Gm14	46139843	46140841	Gmdrm	hypo	CHH	-0.1437
Gm14	46142556	46143554	Gmdrm	hypo	CHH	-0.0306
Gm14	46143557	46143763	Gmdrm	hypo	CHH	-0.0835
Gm14	46149310	46150300	Gmdrm	hypo	CHH	-0.0117
Gm14	46150318	46151312	Gmdrm	hypo	CHH	-0.0136
Gm14	46153273	46154272	Gmdrm	hypo	CHH	-0.0291
Gm14	46158630	46159614	Gmdrm	hypo	CHH	-0.0181
Gm14	46161024	46162019	Gmdrm	hypo	CHH	-0.0784
Gm14	46164745	46165743	Gmdrm	hypo	CHH	-0.0332
Gm14	46165746	46166713	Gmdrm	hypo	CHH	-0.0188
Gm14	46166765	46167764	Gmdrm	hypo	CHH	-0.0211
Gm14	46169785	46170771	Gmdrm	hypo	CHH	-0.0937
Gm14	46177665	46178663	Gmdrm	hypo	CHH	-0.0263
Gm14	46178676	46179670	Gmdrm	hypo	CHH	-0.0315
Gm14	46191917	46192917	Gmdrm	hypo	CHH	-0.0351
Gm14	46192925	46193918	Gmdrm	hypo	CHH	-0.0242
Gm14	46199073	46200039	Gmdrm	hypo	CHH	-0.1053
Gm14	46207826	46208054	Gmdrm	hypo	CHH	-0.0253
Gm14	46208156	46209148	Gmdrm	hypo	CHH	-0.0429
Gm14	46212168	46213166	Gmdrm	hypo	CHH	-0.1329
Gm14	46214173	46214875	Gmdrm	hypo	CHH	-0.0243
Gm14	46229141	46230045	Gmdrm	hypo	CHH	-0.0953
Gm14	46237111	46237625	Gmdrm	hypo	CHH	-0.2641
Gm14	46261049	46262009	Gmdrm	hypo	CHH	-0.0225
Gm14	46262055	46263046	Gmdrm	hypo	CHH	-0.0255
Gm14	46263079	46264028	Gmdrm	hypo	CHH	-0.0153
Gm14	46265875	46266870	Gmdrm	hypo	CHH	-0.0173
Gm14	46266882	46267877	Gmdrm	hypo	CHH	-0.047

Gm14	46267896	46268892	Gmdrm	hypo	CHH	-0.0679
Gm14	46269916	46270914	Gmdrm	hypo	CHH	-0.0314
Gm14	46276943	46277939	Gmdrm	hypo	CHH	-0.0348
Gm14	46277947	46278947	Gmdrm	hypo	CHH	-0.0577
Gm14	46284447	46285407	Gmdrm	hypo	CHH	-0.0347
Gm14	46287254	46287424	Gmdrm	hypo	CHH	-0.0571
Gm14	46287535	46288531	Gmdrm	hypo	CHH	-0.1171
Gm14	46300536	46301533	Gmdrm	hypo	CHH	-0.0753
Gm14	46301537	46302535	Gmdrm	hypo	CHH	-0.0454
Gm14	46307194	46307643	Gmdrm	hypo	CHH	-0.033
Gm14	46309788	46310778	Gmdrm	hypo	CHH	-0.014
Gm14	46318982	46319981	Gmdrm	hypo	CHH	-0.0112
Gm14	46333920	46334916	Gmdrm	hypo	CHH	-0.0451
Gm14	46335984	46336274	Gmdrm	hypo	CHH	-0.0281
Gm14	46338421	46339420	Gmdrm	hypo	CHH	-0.0175
Gm14	46339444	46340435	Gmdrm	hypo	CHH	-0.0672
Gm14	46340460	46341452	Gmdrm	hypo	CHH	-0.1833
Gm14	46343470	46344131	Gmdrm	hypo	CHH	-0.2815
Gm14	46355917	46356913	Gmdrm	hypo	CHH	-0.0217
Gm14	46356925	46357911	Gmdrm	hypo	CHH	-0.0247
Gm14	46361088	46362085	Gmdrm	hypo	CHH	-0.034
Gm14	46362091	46363072	Gmdrm	hypo	CHH	-0.0983
Gm14	46376927	46377321	Gmdrm	hypo	CHH	-0.0343
Gm14	46377469	46378464	Gmdrm	hypo	CHH	-0.0193
Gm14	46378544	46379510	Gmdrm	hypo	CHH	-0.012
Gm14	46389205	46390193	Gmdrm	hypo	CHH	-0.0129
Gm14	46398249	46399249	Gmdrm	hypo	CHH	-0.0649
Gm14	46402265	46402620	Gmdrm	hypo	CHH	-0.0684
Gm14	46406630	46407280	Gmdrm	hypo	CHH	-0.4017
Gm14	46426866	46427862	Gmdrm	hypo	CHH	-0.0186
Gm14	46429446	46430440	Gmdrm	hypo	CHH	-0.0205
Gm14	46448669	46449631	Gmdrm	hypo	CHH	-0.0155
Gm14	46449747	46450741	Gmdrm	hypo	CHH	-0.0465
Gm14	46450750	46451748	Gmdrm	hypo	CHH	-0.052
Gm14	46455288	46456170	Gmdrm	hypo	CHH	-0.0112
Gm14	46457567	46458551	Gmdrm	hypo	CHH	-0.1592
Gm14	46467007	46467936	Gmdrm	hypo	CHH	-0.0797
Gm14	46469635	46470630	Gmdrm	hypo	CHH	-0.0197
Gm14	46475846	46476845	Gmdrm	hypo	CHH	-0.193
Gm14	46476852	46477844	Gmdrm	hypo	CHH	-0.097
Gm14	46477862	46478309	Gmdrm	hypo	CHH	-0.0508
Gm14	46479505	46480477	Gmdrm	hypo	CHH	-0.0607
Gm14	46481198	46482153	Gmdrm	hypo	CHH	-0.0835
Gm14	46482248	46483245	Gmdrm	hypo	CHH	-0.0398
Gm14	46483264	46484258	Gmdrm	hypo	CHH	-0.0274
Gm14	46484270	46485270	Gmdrm	hypo	CHH	-0.0323

Gm14	46486287	46487264	Gmdrm	hypo	CHH	-0.2025
Gm14	46488340	46489340	Gmdrm	hypo	CHH	-0.0366
Gm14	46497225	46498225	Gmdrm	hypo	CHH	-0.0363
Gm14	46507794	46508451	Gmdrm	hypo	CHH	-0.0586
Gm14	46521438	46522212	Gmdrm	hypo	CHH	-0.0415
Gm14	46525818	46526794	Gmdrm	hypo	CHH	-0.151
Gm14	46535878	46536874	Gmdrm	hypo	CHH	-0.074
Gm14	46544337	46544968	Gmdrm	hypo	CHH	-0.0233
Gm14	46558456	46559450	Gmdrm	hypo	CHH	-0.0332
Gm14	46565905	46566902	Gmdrm	hypo	CHH	-0.0676
Gm14	46573574	46574563	Gmdrm	hypo	CHH	-0.185
Gm14	46574580	46575559	Gmdrm	hypo	CHH	-0.0123
Gm14	46575589	46576589	Gmdrm	hypo	CHH	-0.1757
Gm14	46576592	46577569	Gmdrm	hypo	CHH	-0.1256
Gm14	46577598	46578593	Gmdrm	hypo	CHH	-0.0956
Gm14	46579653	46580622	Gmdrm	hypo	CHH	-0.0528
Gm14	46585094	46585378	Gmdrm	hypo	CHH	-0.0411
Gm14	46587984	46588173	Gmdrm	hypo	CHH	-0.1567
Gm14	46590119	46590258	Gmdrm	hypo	CHH	-0.0514
Gm14	46595421	46595990	Gmdrm	hypo	CHH	-0.0508
Gm14	46598961	46599954	Gmdrm	hypo	CHH	-0.343
Gm14	46599962	46600462	Gmdrm	hypo	CHH	-0.123
Gm14	46601748	46602743	Gmdrm	hypo	CHH	-0.0263
Gm14	46604013	46604239	Gmdrm	hypo	CHH	-0.0327
Gm14	46605358	46606343	Gmdrm	hypo	CHH	-0.3459
Gm14	46607869	46608866	Gmdrm	hypo	CHH	-0.0977
Gm14	46610820	46611412	Gmdrm	hypo	CHH	-0.0424
Gm14	46615599	46616599	Gmdrm	hypo	CHH	-0.0246
Gm14	46616601	46617600	Gmdrm	hypo	CHH	-0.0798
Gm14	46617602	46618600	Gmdrm	hypo	CHH	-0.2576
Gm14	46618603	46619586	Gmdrm	hypo	CHH	-0.0491
Gm14	46621828	46622062	Gmdrm	hypo	CHH	-0.1871
Gm14	46622203	46623202	Gmdrm	hypo	CHH	-0.0177
Gm14	46634491	46635190	Gmdrm	hypo	CHH	-0.1228
Gm14	46640065	46641062	Gmdrm	hypo	CHH	-0.0384
Gm14	46641077	46641779	Gmdrm	hypo	CHH	-0.1109
Gm14	46686086	46687074	Gmdrm	hypo	CHH	-0.0343
Gm14	46687090	46688079	Gmdrm	hypo	CHH	-0.0377
Gm14	46690166	46691139	Gmdrm	hypo	CHH	-0.0152
Gm14	46694004	46695003	Gmdrm	hypo	CHH	-0.0154
Gm14	46695010	46695997	Gmdrm	hypo	CHH	-0.0526
Gm14	46696011	46697009	Gmdrm	hypo	CHH	-0.047
Gm14	46698863	46699837	Gmdrm	hypo	CHH	-0.1942
Gm14	46703360	46704350	Gmdrm	hypo	CHH	-0.0385
Gm14	46710483	46711467	Gmdrm	hypo	CHH	-0.0177
Gm14	46711491	46712092	Gmdrm	hypo	CHH	-0.0168

Gm14	46740430	46741425	Gmdrm	hypo	CHH	-0.2633
Gm14	46750647	46751386	Gmdrm	hypo	CHH	-0.1041
Gm14	46751706	46752300	Gmdrm	hypo	CHH	-0.1249
Gm14	46762390	46763387	Gmdrm	hypo	CHH	-0.0807
Gm14	46763400	46764352	Gmdrm	hypo	CHH	-0.1156
Gm14	46786496	46787492	Gmdrm	hypo	CHH	-0.115
Gm14	46787498	46788495	Gmdrm	hypo	CHH	-0.0462
Gm14	46791527	46792511	Gmdrm	hypo	CHH	-0.043
Gm14	46799346	46799615	Gmdrm	hypo	CHH	-0.0256
Gm14	46806517	46807511	Gmdrm	hypo	CHH	-0.0444
Gm14	46815450	46816288	Gmdrm	hypo	CHH	-0.0639
Gm14	46817442	46818440	Gmdrm	hypo	CHH	-0.0845
Gm14	46821478	46822476	Gmdrm	hypo	CHH	-0.0388
Gm14	46822479	46823479	Gmdrm	hypo	CHH	-0.166
Gm14	46823484	46824431	Gmdrm	hypo	CHH	-0.0188
Gm14	46828528	46829526	Gmdrm	hypo	CHH	-0.0808
Gm14	46829554	46830547	Gmdrm	hypo	CHH	-0.0392
Gm14	46832644	46833643	Gmdrm	hypo	CHH	-0.0142
Gm14	46833658	46834651	Gmdrm	hypo	CHH	-0.0943
Gm14	46834704	46835006	Gmdrm	hypo	CHH	-0.0427
Gm14	46840982	46841947	Gmdrm	hypo	CHH	-0.0196
Gm14	46847555	46848554	Gmdrm	hypo	CHH	-0.1834
Gm14	46851986	46852984	Gmdrm	hypo	CHH	-0.0857
Gm14	46859320	46860286	Gmdrm	hypo	CHH	-0.0202
Gm14	46862477	46863030	Gmdrm	hypo	CHH	-0.0269
Gm14	46866180	46867178	Gmdrm	hypo	CHH	-0.0357
Gm14	46875670	46876664	Gmdrm	hypo	CHH	-0.0186
Gm14	46879951	46880565	Gmdrm	hypo	CHH	-0.0431
Gm14	46882718	46883714	Gmdrm	hypo	CHH	-0.0479
Gm14	46896925	46897081	Gmdrm	hypo	CHH	-0.04
Gm14	46901751	46901867	Gmdrm	hypo	CHH	-0.2082
Gm14	46912690	46912746	Gmdrm	hypo	CHH	-0.1117
Gm14	46921200	46921870	Gmdrm	hypo	CHH	-0.0636
Gm14	46923005	46923510	Gmdrm	hypo	CHH	-0.0377
Gm14	46931668	46932651	Gmdrm	hypo	CHH	-0.0963
Gm14	46938961	46939958	Gmdrm	hypo	CHH	-0.2289
Gm14	46939966	46940612	Gmdrm	hypo	CHH	-0.0586
Gm14	46945658	46945948	Gmdrm	hypo	CHH	-0.046
Gm14	46947735	46948731	Gmdrm	hypo	CHH	-0.0503
Gm14	46948754	46949743	Gmdrm	hypo	CHH	-0.1162
Gm14	46949761	46950761	Gmdrm	hypo	CHH	-0.0288
Gm14	46953780	46954534	Gmdrm	hypo	CHH	-0.0459
Gm14	46955033	46955718	Gmdrm	hypo	CHH	-0.1208
Gm14	46956024	46957005	Gmdrm	hypo	CHH	-0.0984
Gm14	46957039	46958037	Gmdrm	hypo	CHH	-0.2047
Gm14	46959752	46960728	Gmdrm	hypo	CHH	-0.0374

Gm14	46963134	46964126	Gmdrm	hypo	CHH	-0.0153
Gm14	46966884	46967619	Gmdrm	hypo	CHH	-0.0243
Gm14	46969293	46970260	Gmdrm	hypo	CHH	-0.0239
Gm14	46990214	46991184	Gmdrm	hypo	CHH	-0.0126
Gm14	46996109	46997078	Gmdrm	hypo	CHH	-0.0133
Gm14	46997135	46998114	Gmdrm	hypo	CHH	-0.0249
Gm14	46999164	47000156	Gmdrm	hypo	CHH	-0.0749
Gm14	47002334	47003329	Gmdrm	hypo	CHH	-0.0354
Gm14	47003350	47004342	Gmdrm	hypo	CHH	-0.0171
Gm14	47018943	47019929	Gmdrm	hypo	CHH	-0.0635
Gm14	47031460	47032455	Gmdrm	hypo	CHH	-0.0375
Gm14	47033486	47034472	Gmdrm	hypo	CHH	-0.0625
Gm14	47046543	47046757	Gmdrm	hypo	CHH	-0.1572
Gm14	47055234	47055935	Gmdrm	hypo	CHH	-0.0156
Gm14	47061538	47062384	Gmdrm	hypo	CHH	-0.0281
Gm14	47065187	47066179	Gmdrm	hypo	CHH	-0.0773
Gm14	47066395	47067374	Gmdrm	hypo	CHH	-0.019
Gm14	47067668	47068647	Gmdrm	hypo	CHH	-0.0107
Gm14	47082964	47083962	Gmdrm	hypo	CHH	-0.0175
Gm14	47102101	47103101	Gmdrm	hypo	CHH	-0.0264
Gm14	47103124	47103539	Gmdrm	hypo	CHH	-0.0929
Gm14	47105787	47106774	Gmdrm	hypo	CHH	-0.0148
Gm14	47106810	47107805	Gmdrm	hypo	CHH	-0.0217
Gm14	47109825	47110747	Gmdrm	hypo	CHH	-0.0231
Gm14	47125261	47126203	Gmdrm	hypo	CHH	-0.0136
Gm14	47129004	47130002	Gmdrm	hypo	CHH	-0.2399
Gm14	47136178	47137152	Gmdrm	hypo	CHH	-0.0144
Gm14	47137194	47138169	Gmdrm	hypo	CHH	-0.0298
Gm14	47140984	47141712	Gmdrm	hypo	CHH	-0.0206
Gm14	47150429	47151424	Gmdrm	hypo	CHH	-0.0481
Gm14	47168204	47169193	Gmdrm	hypo	CHH	-0.0226
Gm14	47170451	47171448	Gmdrm	hypo	CHH	-0.0473
Gm14	47171460	47172453	Gmdrm	hypo	CHH	-0.0433
Gm14	47172464	47173453	Gmdrm	hypo	CHH	-0.0627
Gm14	47173466	47174466	Gmdrm	hypo	CHH	-0.1102
Gm14	47174467	47175467	Gmdrm	hypo	CHH	-0.0803
Gm14	47185127	47186127	Gmdrm	hypo	CHH	-0.0741
Gm14	47187315	47188313	Gmdrm	hypo	CHH	-0.016
Gm14	47195363	47196092	Gmdrm	hypo	CHH	-0.2043
Gm14	47201102	47202052	Gmdrm	hypo	CHH	-0.0268
Gm14	47202395	47203395	Gmdrm	hypo	CHH	-0.0787
Gm14	47203400	47204387	Gmdrm	hypo	CHH	-0.0429
Gm14	47248118	47249099	Gmdrm	hypo	CHH	-0.0195
Gm14	47254446	47255431	Gmdrm	hypo	CHH	-0.0229
Gm14	47257944	47258929	Gmdrm	hypo	CHH	-0.0776
Gm14	47281060	47282058	Gmdrm	hypo	CHH	-0.0159

Gm14	47282083	47283063	Gmdrm	hypo	CHH	-0.0198
Gm14	47289753	47290747	Gmdrm	hypo	CHH	-0.0361
Gm14	47290754	47291750	Gmdrm	hypo	CHH	-0.1047
Gm14	47292757	47293745	Gmdrm	hypo	CHH	-0.0658
Gm14	47300757	47301117	Gmdrm	hypo	CHH	-0.112
Gm14	47306502	47307423	Gmdrm	hypo	CHH	-0.0394
Gm14	47307549	47307821	Gmdrm	hypo	CHH	-0.0287
Gm14	47321531	47322516	Gmdrm	hypo	CHH	-0.0163
Gm14	47324798	47325706	Gmdrm	hypo	CHH	-0.1054
Gm14	47326005	47326853	Gmdrm	hypo	CHH	-0.1047
Gm14	47327356	47328328	Gmdrm	hypo	CHH	-0.0791
Gm14	47328367	47329334	Gmdrm	hypo	CHH	-0.0177
Gm14	47341605	47342557	Gmdrm	hypo	CHH	-0.0757
Gm14	47343870	47344862	Gmdrm	hypo	CHH	-0.1636
Gm14	47348108	47349108	Gmdrm	hypo	CHH	-0.0287
Gm14	47349116	47350077	Gmdrm	hypo	CHH	-0.0406
Gm14	47350137	47351137	Gmdrm	hypo	CHH	-0.1405
Gm14	47351149	47352139	Gmdrm	hypo	CHH	-0.0424
Gm14	47352592	47353584	Gmdrm	hypo	CHH	-0.0556
Gm14	47359664	47360646	Gmdrm	hypo	CHH	-0.0164
Gm14	47366671	47367669	Gmdrm	hypo	CHH	-0.0209
Gm14	47372475	47372578	Gmdrm	hypo	CHH	-0.045
Gm14	47374708	47375696	Gmdrm	hypo	CHH	-0.0693
Gm14	47402150	47403147	Gmdrm	hypo	CHH	-0.0257
Gm14	47403151	47403834	Gmdrm	hypo	CHH	-0.0879
Gm14	47426256	47427254	Gmdrm	hypo	CHH	-0.0232
Gm14	47438389	47439389	Gmdrm	hypo	CHH	-0.1251
Gm14	47446434	47446817	Gmdrm	hypo	CHH	-0.0933
Gm14	47447050	47447441	Gmdrm	hypo	CHH	-0.0566
Gm14	47449292	47450289	Gmdrm	hypo	CHH	-0.0451
Gm14	47452408	47453407	Gmdrm	hypo	CHH	-0.0757
Gm14	47456655	47457652	Gmdrm	hypo	CHH	-0.0272
Gm14	47457657	47458649	Gmdrm	hypo	CHH	-0.055
Gm14	47458665	47459663	Gmdrm	hypo	CHH	-0.1015
Gm14	47460682	47461681	Gmdrm	hypo	CHH	-0.0485
Gm14	47463137	47464083	Gmdrm	hypo	CHH	-0.0173
Gm14	47464172	47464303	Gmdrm	hypo	CHH	-0.1789
Gm14	47464507	47465494	Gmdrm	hypo	CHH	-0.0188
Gm14	47472351	47472931	Gmdrm	hypo	CHH	-0.0957
Gm14	47475701	47476699	Gmdrm	hypo	CHH	-0.1147
Gm14	47480890	47481883	Gmdrm	hypo	CHH	-0.0131
Gm14	47492127	47493124	Gmdrm	hypo	CHH	-0.0649
Gm14	47494129	47495122	Gmdrm	hypo	CHH	-0.0159
Gm14	47498536	47499534	Gmdrm	hypo	CHH	-0.0139
Gm14	47504263	47505262	Gmdrm	hypo	CHH	-0.0114
Gm14	47509636	47509877	Gmdrm	hypo	CHH	-0.0656

Gm14	47511238	47512225	Gmdrm	hypo	CHH	-0.0453
Gm14	47516300	47517074	Gmdrm	hypo	CHH	-0.0171
Gm14	47524207	47525196	Gmdrm	hypo	CHH	-0.022
Gm14	47534353	47534694	Gmdrm	hypo	CHH	-0.0352
Gm14	47535082	47535539	Gmdrm	hypo	CHH	-0.1185
Gm14	47535813	47536810	Gmdrm	hypo	CHH	-0.0584
Gm14	47536816	47537585	Gmdrm	hypo	CHH	-0.0897
Gm14	47565561	47566159	Gmdrm	hypo	CHH	-0.0264
Gm14	47568419	47568807	Gmdrm	hypo	CHH	-0.0269
Gm14	47569930	47570908	Gmdrm	hypo	CHH	-0.0754
Gm14	47570963	47571105	Gmdrm	hypo	CHH	-0.0557
Gm14	47578289	47578826	Gmdrm	hypo	CHH	-0.0287
Gm14	47603635	47604603	Gmdrm	hypo	CHH	-0.0189
Gm14	47607228	47607716	Gmdrm	hypo	CHH	-0.0186
Gm14	47613094	47613954	Gmdrm	hypo	CHH	-0.067
Gm14	47617676	47618624	Gmdrm	hypo	CHH	-0.1079
Gm14	47620259	47621259	Gmdrm	hypo	CHH	-0.0297
Gm14	47625265	47626234	Gmdrm	hypo	CHH	-0.013
Gm14	47634602	47635590	Gmdrm	hypo	CHH	-0.0367
Gm14	47649332	47649929	Gmdrm	hypo	CHH	-0.055
Gm14	47662851	47663822	Gmdrm	hypo	CHH	-0.047
Gm14	47673595	47674590	Gmdrm	hypo	CHH	-0.0161
Gm14	47674599	47675525	Gmdrm	hypo	CHH	-0.0996
Gm14	47681787	47682757	Gmdrm	hypo	CHH	-0.0162
Gm14	47694259	47694839	Gmdrm	hypo	CHH	-0.0499
Gm14	47705279	47706245	Gmdrm	hypo	CHH	-0.0218
Gm14	47710034	47711019	Gmdrm	hypo	CHH	-0.0167
Gm14	47725816	47726794	Gmdrm	hypo	CHH	-0.0253
Gm14	47729070	47730067	Gmdrm	hypo	CHH	-0.046
Gm14	47731088	47732082	Gmdrm	hypo	CHH	-0.0391
Gm14	47732090	47733079	Gmdrm	hypo	CHH	-0.0569
Gm14	47735335	47735591	Gmdrm	hypo	CHH	-0.0206
Gm14	47740213	47741201	Gmdrm	hypo	CHH	-0.0181
Gm14	47750153	47751140	Gmdrm	hypo	CHH	-0.0386
Gm14	47767649	47768647	Gmdrm	hypo	CHH	-0.0624
Gm14	47768650	47769650	Gmdrm	hypo	CHH	-0.0482
Gm14	47773471	47774436	Gmdrm	hypo	CHH	-0.0998
Gm14	47777479	47778474	Gmdrm	hypo	CHH	-0.0388
Gm14	47798624	47799620	Gmdrm	hypo	CHH	-0.0305
Gm14	47813763	47814756	Gmdrm	hypo	CHH	-0.0365
Gm14	47814778	47815778	Gmdrm	hypo	CHH	-0.0349
Gm14	47815788	47816786	Gmdrm	hypo	CHH	-0.0567
Gm14	47816790	47817755	Gmdrm	hypo	CHH	-0.0246
Gm14	47828967	47829959	Gmdrm	hypo	CHH	-0.3164
Gm14	47836044	47837013	Gmdrm	hypo	CHH	-0.0261
Gm14	47837049	47838036	Gmdrm	hypo	CHH	-0.0125

Gm14	47838056	47839053	Gmdrm	hypo	CHH	-0.0198
Gm14	47839057	47840029	Gmdrm	hypo	CHH	-0.0206
Gm14	47843903	47844896	Gmdrm	hypo	CHH	-0.0146
Gm14	47858299	47859264	Gmdrm	hypo	CHH	-0.0103
Gm14	47859306	47860303	Gmdrm	hypo	CHH	-0.0185
Gm14	47860308	47861304	Gmdrm	hypo	CHH	-0.0424
Gm14	47872381	47873378	Gmdrm	hypo	CHH	-0.0362
Gm14	47874385	47875362	Gmdrm	hypo	CHH	-0.032
Gm14	47878795	47879762	Gmdrm	hypo	CHH	-0.0144
Gm14	47883705	47884678	Gmdrm	hypo	CHH	-0.1346
Gm14	47895809	47896792	Gmdrm	hypo	CHH	-0.0194
Gm14	47897014	47898007	Gmdrm	hypo	CHH	-0.0195
Gm14	47903172	47904155	Gmdrm	hypo	CHH	-0.0199
Gm14	47907891	47908879	Gmdrm	hypo	CHH	-0.2102
Gm14	47910951	47911947	Gmdrm	hypo	CHH	-0.0236
Gm14	47952035	47953031	Gmdrm	hypo	CHH	-0.0129
Gm14	47957403	47958403	Gmdrm	hypo	CHH	-0.0195
Gm14	47958404	47959404	Gmdrm	hypo	CHH	-0.0354
Gm14	47959408	47960406	Gmdrm	hypo	CHH	-0.0252
Gm14	47960421	47961420	Gmdrm	hypo	CHH	-0.0284
Gm14	47961425	47962425	Gmdrm	hypo	CHH	-0.0389
Gm14	47962439	47963431	Gmdrm	hypo	CHH	-0.0229
Gm14	47963451	47964444	Gmdrm	hypo	CHH	-0.0286
Gm14	47966498	47967493	Gmdrm	hypo	CHH	-0.0201
Gm14	47969556	47970467	Gmdrm	hypo	CHH	-0.0752
Gm14	47979045	47979125	Gmdrm	hypo	CHH	-0.06
Gm14	47982000	47982831	Gmdrm	hypo	CHH	-0.0798
Gm14	47986302	47987302	Gmdrm	hypo	CHH	-0.0251
Gm14	47990741	47991734	Gmdrm	hypo	CHH	-0.018
Gm14	47991767	47992735	Gmdrm	hypo	CHH	-0.0247
Gm14	47998946	47999930	Gmdrm	hypo	CHH	-0.0166
Gm14	48022817	48023817	Gmdrm	hypo	CHH	-0.0633
Gm14	48023836	48024799	Gmdrm	hypo	CHH	-0.0272
Gm14	48024841	48025828	Gmdrm	hypo	CHH	-0.0242
Gm14	48025847	48026193	Gmdrm	hypo	CHH	-0.0177
Gm14	48027300	48028297	Gmdrm	hypo	CHH	-0.0452
Gm14	48040404	48041403	Gmdrm	hypo	CHH	-0.0651
Gm14	48041417	48042417	Gmdrm	hypo	CHH	-0.1037
Gm14	48042428	48043384	Gmdrm	hypo	CHH	-0.0504
Gm14	48050614	48051610	Gmdrm	hypo	CHH	-0.0128
Gm14	48069025	48069942	Gmdrm	hypo	CHH	-0.0283
Gm14	48075882	48076878	Gmdrm	hypo	CHH	-0.0121
Gm14	48078886	48079536	Gmdrm	hypo	CHH	-0.0465
Gm14	48079662	48079720	Gmdrm	hypo	CHH	-0.2937
Gm14	48141744	48142742	Gmdrm	hypo	CHH	-0.0557
Gm14	48142749	48143747	Gmdrm	hypo	CHH	-0.0552

Gm14	48144888	48145886 Gmdrm	hypo	CHH	-0.0181
Gm14	48163397	48164380 Gmdrm	hypo	CHH	-0.0661
Gm14	48164414	48165169 Gmdrm	hypo	CHH	-0.0612
Gm14	48170111	48171095 Gmdrm	hypo	CHH	-0.0166
Gm14	48178883	48178967 Gmdrm	hypo	CHH	-0.06
Gm14	48194353	48195351 Gmdrm	hypo	CHH	-0.0336
Gm14	48196407	48196815 Gmdrm	hypo	CHH	-0.1217
Gm14	48199177	48200152 Gmdrm	hypo	CHH	-0.0612
Gm14	48206205	48206556 Gmdrm	hypo	CHH	-0.1155
Gm14	48212391	48213390 Gmdrm	hypo	CHH	-0.0656
Gm14	48213394	48214388 Gmdrm	hypo	CHH	-0.0727
Gm14	48229810	48230205 Gmdrm	hypo	CHH	-0.0402
Gm14	48231203	48232202 Gmdrm	hypo	CHH	-0.0163
Gm14	48236893	48237893 Gmdrm	hypo	CHH	-0.02
Gm14	48242576	48243286 Gmdrm	hypo	CHH	-0.0209
Gm14	48252498	48253492 Gmdrm	hypo	CHH	-0.012
Gm14	48258906	48259906 Gmdrm	hypo	CHH	-0.1748
Gm14	48272076	48273071 Gmdrm	hypo	CHH	-0.0339
Gm14	48282019	48282467 Gmdrm	hypo	CHH	-0.0193
Gm14	48283218	48284204 Gmdrm	hypo	CHH	-0.1047
Gm14	48301269	48301799 Gmdrm	hypo	CHH	-0.0614
Gm14	48305960	48306800 Gmdrm	hypo	CHH	-0.0396
Gm14	48309176	48309858 Gmdrm	hypo	CHH	-0.0229
Gm14	48309963	48310957 Gmdrm	hypo	CHH	-0.0253
Gm14	48314806	48315410 Gmdrm	hypo	CHH	-0.017
Gm14	48319650	48319697 Gmdrm	hypo	CHH	-0.028
Gm14	48320947	48321945 Gmdrm	hypo	CHH	-0.474
Gm14	48323215	48324212 Gmdrm	hypo	CHH	-0.0155
Gm14	48324244	48325238 Gmdrm	hypo	CHH	-0.1625
Gm14	48330301	48331301 Gmdrm	hypo	CHH	-0.0185
Gm14	48334055	48335050 Gmdrm	hypo	CHH	-0.1087
Gm14	48339550	48340545 Gmdrm	hypo	CHH	-0.1914
Gm14	48340551	48341164 Gmdrm	hypo	CHH	-0.1227
Gm14	48341276	48341735 Gmdrm	hypo	CHH	-0.0798
Gm14	48349722	48350716 Gmdrm	hypo	CHH	-0.0136
Gm14	48350724	48351703 Gmdrm	hypo	CHH	-0.1128
Gm14	48358966	48359958 Gmdrm	hypo	CHH	-0.3231
Gm14	48367117	48367985 Gmdrm	hypo	CHH	-0.0204
Gm14	48373259	48374256 Gmdrm	hypo	CHH	-0.0189
Gm14	48375305	48375964 Gmdrm	hypo	CHH	-0.1494
Gm14	48376156	48377137 Gmdrm	hypo	CHH	-0.0274
Gm14	48377169	48378118 Gmdrm	hypo	CHH	-0.0162
Gm14	48378170	48379164 Gmdrm	hypo	CHH	-0.1403
Gm14	48379172	48380167 Gmdrm	hypo	CHH	-0.0846
Gm14	48388209	48389185 Gmdrm	hypo	CHH	-0.1236
Gm14	48393610	48394600 Gmdrm	hypo	CHH	-0.0136

Gm14	48401576	48402143	Gmdrm	hypo	CHH	-0.0372
Gm14	48415784	48416775	Gmdrm	hypo	CHH	-0.0275
Gm14	48421093	48422073	Gmdrm	hypo	CHH	-0.2641
Gm14	48428334	48429302	Gmdrm	hypo	CHH	-0.1861
Gm14	48431826	48432826	Gmdrm	hypo	CHH	-0.0648
Gm14	48432830	48433827	Gmdrm	hypo	CHH	-0.0753
Gm14	48433852	48434837	Gmdrm	hypo	CHH	-0.1222
Gm14	48438833	48439782	Gmdrm	hypo	CHH	-0.0222
Gm14	48439908	48440872	Gmdrm	hypo	CHH	-0.0193
Gm14	48454594	48454634	Gmdrm	hypo	CHH	-0.036
Gm14	48463884	48464851	Gmdrm	hypo	CHH	-0.0444
Gm14	48466915	48467906	Gmdrm	hypo	CHH	-0.0148
Gm14	48478338	48479337	Gmdrm	hypo	CHH	-0.15
Gm14	48479341	48480329	Gmdrm	hypo	CHH	-0.4142
Gm14	48480356	48481317	Gmdrm	hypo	CHH	-0.0113
Gm14	48483923	48484910	Gmdrm	hypo	CHH	-0.0252
Gm14	48489805	48490805	Gmdrm	hypo	CHH	-0.1032
Gm14	48490808	48491785	Gmdrm	hypo	CHH	-0.034
Gm14	48495414	48496385	Gmdrm	hypo	CHH	-0.1518
Gm14	48496444	48497424	Gmdrm	hypo	CHH	-0.0167
Gm14	48497474	48498466	Gmdrm	hypo	CHH	-0.1063
Gm14	48498489	48499429	Gmdrm	hypo	CHH	-0.0271
Gm14	48507740	48508721	Gmdrm	hypo	CHH	-0.0247
Gm14	48509861	48510861	Gmdrm	hypo	CHH	-0.0759
Gm14	48521051	48522027	Gmdrm	hypo	CHH	-0.0405
Gm14	48524620	48525537	Gmdrm	hypo	CHH	-0.2744
Gm14	48527666	48528111	Gmdrm	hypo	CHH	-0.0263
Gm14	48534317	48535310	Gmdrm	hypo	CHH	-0.1087
Gm14	48535318	48536317	Gmdrm	hypo	CHH	-0.077
Gm14	48542948	48543948	Gmdrm	hypo	CHH	-0.0196
Gm14	48544961	48545924	Gmdrm	hypo	CHH	-0.0203
Gm14	48551106	48551635	Gmdrm	hypo	CHH	-0.0278
Gm14	48565998	48566991	Gmdrm	hypo	CHH	-0.0084
Gm14	48579645	48580619	Gmdrm	hypo	CHH	-0.1398
Gm14	48580675	48581670	Gmdrm	hypo	CHH	-0.0169
Gm14	48584360	48585354	Gmdrm	hypo	CHH	-0.0184
Gm14	48589797	48589994	Gmdrm	hypo	CHH	-0.085
Gm14	48595460	48596459	Gmdrm	hypo	CHH	-0.0526
Gm14	48596462	48597440	Gmdrm	hypo	CHH	-0.0714
Gm14	48607708	48608670	Gmdrm	hypo	CHH	-0.0194
Gm14	48610804	48611795	Gmdrm	hypo	CHH	-0.0284
Gm14	48619118	48620102	Gmdrm	hypo	CHH	-0.0101
Gm14	48631493	48632491	Gmdrm	hypo	CHH	-0.0344
Gm14	48632495	48633384	Gmdrm	hypo	CHH	-0.0612
Gm14	48634677	48635663	Gmdrm	hypo	CHH	-0.0222
Gm14	48652517	48653508	Gmdrm	hypo	CHH	-0.0248

Gm14	48653520	48654507	Gmdrm	hypo	CHH	-0.073
Gm14	48656567	48657566	Gmdrm	hypo	CHH	-0.1163
Gm14	48686464	48687441	Gmdrm	hypo	CHH	-0.1422
Gm14	48690817	48691364	Gmdrm	hypo	CHH	-0.0161
Gm14	48695817	48696793	Gmdrm	hypo	CHH	-0.1863
Gm14	48698038	48698528	Gmdrm	hypo	CHH	-0.0343
Gm14	48701317	48702299	Gmdrm	hypo	CHH	-0.0293
Gm14	48703005	48703969	Gmdrm	hypo	CHH	-0.1036
Gm14	48705476	48706111	Gmdrm	hypo	CHH	-0.0158
Gm14	48706366	48707366	Gmdrm	hypo	CHH	-0.042
Gm14	48719585	48720579	Gmdrm	hypo	CHH	-0.0372
Gm14	48721597	48722597	Gmdrm	hypo	CHH	-0.0342
Gm14	48722603	48723534	Gmdrm	hypo	CHH	-0.0354
Gm14	48723654	48724654	Gmdrm	hypo	CHH	-0.023
Gm14	48726680	48727672	Gmdrm	hypo	CHH	-0.0504
Gm14	48727687	48728678	Gmdrm	hypo	CHH	-0.0421
Gm14	48728690	48729678	Gmdrm	hypo	CHH	-0.0216
Gm14	48731909	48732901	Gmdrm	hypo	CHH	-0.0245
Gm14	48732912	48733909	Gmdrm	hypo	CHH	-0.0498
Gm14	48733917	48734914	Gmdrm	hypo	CHH	-0.0462
Gm14	48734922	48735922	Gmdrm	hypo	CHH	-0.0704
Gm14	48735925	48736910	Gmdrm	hypo	CHH	-0.0446
Gm14	48736926	48737922	Gmdrm	hypo	CHH	-0.0564
Gm14	48740948	48741948	Gmdrm	hypo	CHH	-0.0417
Gm14	48743994	48744951	Gmdrm	hypo	CHH	-0.1463
Gm14	48744999	48745810	Gmdrm	hypo	CHH	-0.115
Gm14	48754526	48755518	Gmdrm	hypo	CHH	-0.1169
Gm14	48755528	48756524	Gmdrm	hypo	CHH	-0.1141
Gm14	48766745	48767127	Gmdrm	hypo	CHH	-0.048
Gm14	48769661	48770629	Gmdrm	hypo	CHH	-0.0276
Gm14	48771288	48771790	Gmdrm	hypo	CHH	-0.0242
Gm14	48775731	48776731	Gmdrm	hypo	CHH	-0.0242
Gm14	48794291	48795282	Gmdrm	hypo	CHH	-0.0178
Gm14	48796310	48797283	Gmdrm	hypo	CHH	-0.0095
Gm14	48801141	48801511	Gmdrm	hypo	CHH	-0.0156
Gm14	48802643	48803638	Gmdrm	hypo	CHH	-0.0399
Gm14	48846187	48846349	Gmdrm	hypo	CHH	-0.021
Gm14	48853961	48854176	Gmdrm	hypo	CHH	-0.0336
Gm14	48862459	48863438	Gmdrm	hypo	CHH	-0.3555
Gm14	48871539	48872504	Gmdrm	hypo	CHH	-0.0192
Gm14	48872544	48873544	Gmdrm	hypo	CHH	-0.024
Gm14	48881660	48882651	Gmdrm	hypo	CHH	-0.1343
Gm14	48882666	48883664	Gmdrm	hypo	CHH	-0.075
Gm14	48884124	48885116	Gmdrm	hypo	CHH	-0.0215
Gm14	48885126	48886110	Gmdrm	hypo	CHH	-0.1242
Gm14	48894912	48895908	Gmdrm	hypo	CHH	-0.1277

Gm14	48895926	48896877	Gmdrm	hypo	CHH	-0.0362
Gm14	48902440	48903122	Gmdrm	hypo	CHH	-0.0822
Gm14	48905273	48905563	Gmdrm	hypo	CHH	-0.0269
Gm14	48911260	48912256	Gmdrm	hypo	CHH	-0.0727
Gm14	48912262	48912779	Gmdrm	hypo	CHH	-0.1058
Gm14	48913202	48914194	Gmdrm	hypo	CHH	-0.0168
Gm14	48930602	48931597	Gmdrm	hypo	CHH	-0.0124
Gm14	48932837	48933834	Gmdrm	hypo	CHH	-0.0228
Gm14	48944301	48945263	Gmdrm	hypo	CHH	-0.0665
Gm14	48945306	48945627	Gmdrm	hypo	CHH	-0.0495
Gm14	48945980	48946968	Gmdrm	hypo	CHH	-0.0306
Gm14	48959736	48960736	Gmdrm	hypo	CHH	-0.0388
Gm14	48962751	48963720	Gmdrm	hypo	CHH	-0.0155
Gm14	48965786	48966785	Gmdrm	hypo	CHH	-0.0204
Gm14	48968928	48969765	Gmdrm	hypo	CHH	-0.0325
Gm14	48974083	48975073	Gmdrm	hypo	CHH	-0.0114
Gm14	48978114	48978486	Gmdrm	hypo	CHH	-0.1352
Gm14	48980886	48981214	Gmdrm	hypo	CHH	-0.1092
Gm14	48981365	48982354	Gmdrm	hypo	CHH	-0.0755
Gm14	48997845	48998843	Gmdrm	hypo	CHH	-0.0594
Gm14	48998846	48999829	Gmdrm	hypo	CHH	-0.0867
Gm14	49030058	49030223	Gmdrm	hypo	CHH	-0.0408
Gm14	49036702	49037702	Gmdrm	hypo	CHH	-0.0221
Gm14	49038776	49039775	Gmdrm	hypo	CHH	-0.0132
Gm14	49039780	49040770	Gmdrm	hypo	CHH	-0.0144
Gm14	49042479	49042633	Gmdrm	hypo	CHH	-0.0562
Gm14	49050803	49051797	Gmdrm	hypo	CHH	-0.1772
Gm14	49051806	49052805	Gmdrm	hypo	CHH	-0.0494
Gm14	49052813	49053810	Gmdrm	hypo	CHH	-0.066
Gm14	49055587	49056528	Gmdrm	hypo	CHH	-0.0217
Gm14	49057769	49058750	Gmdrm	hypo	CHH	-0.0554
Gm14	49058776	49059773	Gmdrm	hypo	CHH	-0.1094
Gm14	49062495	49063476	Gmdrm	hypo	CHH	-0.0181
Gm14	49073317	49074289	Gmdrm	hypo	CHH	-0.0233
Gm14	49077805	49078796	Gmdrm	hypo	CHH	-0.1295
Gm14	49080423	49080829	Gmdrm	hypo	CHH	-0.0777
Gm14	49091902	49092887	Gmdrm	hypo	CHH	-0.118
Gm14	49100874	49101855	Gmdrm	hypo	CHH	-0.0134
Gm14	49106033	49107023	Gmdrm	hypo	CHH	-0.061
Gm14	49115677	49115800	Gmdrm	hypo	CHH	-0.0287
Gm14	49117586	49118569	Gmdrm	hypo	CHH	-0.1831
Gm14	49130739	49131264	Gmdrm	hypo	CHH	-0.0213
Gm14	49133952	49134951	Gmdrm	hypo	CHH	-0.2555
Gm14	49134961	49135141	Gmdrm	hypo	CHH	-0.0357
Gm14	49139616	49140166	Gmdrm	hypo	CHH	-0.0335
Gm14	49140276	49141275	Gmdrm	hypo	CHH	-0.0125

Gm14	49141292	49141751	Gmdrm	hypo	CHH	-0.0296
Gm14	49146697	49147271	Gmdrm	hypo	CHH	-0.4181
Gm14	49152462	49153454	Gmdrm	hypo	CHH	-0.0784
Gm14	49157589	49158579	Gmdrm	hypo	CHH	-0.0706
Gm14	49161458	49161618	Gmdrm	hypo	CHH	-0.0382
Gm14	49163184	49163988	Gmdrm	hypo	CHH	-0.0236
Gm14	49167729	49167951	Gmdrm	hypo	CHH	-0.0516
Gm14	49181970	49182967	Gmdrm	hypo	CHH	-0.0351
Gm14	49189938	49190919	Gmdrm	hypo	CHH	-0.0574
Gm14	49194719	49195656	Gmdrm	hypo	CHH	-0.0104
Gm14	49196752	49197726	Gmdrm	hypo	CHH	-0.0241
Gm14	49214252	49215249	Gmdrm	hypo	CHH	-0.0335
Gm14	49235798	49236790	Gmdrm	hypo	CHH	-0.1029
Gm14	49249137	49250130	Gmdrm	hypo	CHH	-0.0168
Gm14	49271789	49272491	Gmdrm	hypo	CHH	-0.2422
Gm14	49272600	49273081	Gmdrm	hypo	CHH	-0.0227
Gm14	49273878	49274552	Gmdrm	hypo	CHH	-0.0517
Gm14	49274722	49275009	Gmdrm	hypo	CHH	-0.1255
Gm14	49278233	49279226	Gmdrm	hypo	CHH	-0.0579
Gm14	49288491	49289438	Gmdrm	hypo	CHH	-0.19
Gm14	49294128	49295127	Gmdrm	hypo	CHH	-0.3103
Gm14	49295140	49296137	Gmdrm	hypo	CHH	-0.0675
Gm14	49305737	49306720	Gmdrm	hypo	CHH	-0.0283
Gm14	49315653	49316643	Gmdrm	hypo	CHH	-0.1116
Gm14	49316655	49317648	Gmdrm	hypo	CHH	-0.2159
Gm14	49319539	49320345	Gmdrm	hypo	CHH	-0.0686
Gm14	49323489	49324489	Gmdrm	hypo	CHH	-0.2262
Gm14	49334496	49335494	Gmdrm	hypo	CHH	-0.0425
Gm14	49341093	49341348	Gmdrm	hypo	CHH	-0.021
Gm14	49341466	49341858	Gmdrm	hypo	CHH	-0.0242
Gm14	49362881	49363873	Gmdrm	hypo	CHH	-0.1244
Gm14	49363906	49364415	Gmdrm	hypo	CHH	-0.0417
Gm14	49369423	49370415	Gmdrm	hypo	CHH	-0.0341
Gm14	49381665	49382626	Gmdrm	hypo	CHH	-0.036
Gm14	49395987	49396984	Gmdrm	hypo	CHH	-0.0431
Gm14	49403031	49404015	Gmdrm	hypo	CHH	-0.0554
Gm14	49407086	49408085	Gmdrm	hypo	CHH	-0.0322
Gm14	49408096	49408624	Gmdrm	hypo	CHH	-0.1448
Gm14	49412164	49412393	Gmdrm	hypo	CHH	-0.03
Gm14	49416951	49417414	Gmdrm	hypo	CHH	-0.0215
Gm14	49417547	49418547	Gmdrm	hypo	CHH	-0.0993
Gm14	49420780	49421762	Gmdrm	hypo	CHH	-0.1702
Gm14	49425892	49426861	Gmdrm	hypo	CHH	-0.0117
Gm14	49426916	49427911	Gmdrm	hypo	CHH	-0.0168
Gm14	49433668	49434667	Gmdrm	hypo	CHH	-0.0456
Gm14	49434673	49435672	Gmdrm	hypo	CHH	-0.1192

Gm14	49453800	49454776 Gmdrm	hypo	CHH	-0.0175
Gm14	49477934	49478448 Gmdrm	hypo	CHH	-0.0149
Gm14	49478587	49479583 Gmdrm	hypo	CHH	-0.018
Gm14	49480615	49481598 Gmdrm	hypo	CHH	-0.1493
Gm14	49481628	49482593 Gmdrm	hypo	CHH	-0.2254
Gm14	49485998	49486989 Gmdrm	hypo	CHH	-0.0198
Gm14	49487005	49487959 Gmdrm	hypo	CHH	-0.0091
Gm14	49489043	49489247 Gmdrm	hypo	CHH	-0.0347
Gm14	49490369	49491353 Gmdrm	hypo	CHH	-0.0241
Gm14	49504470	49504792 Gmdrm	hypo	CHH	-0.0645
Gm14	49509677	49510677 Gmdrm	hypo	CHH	-0.1979
Gm14	49536544	49537527 Gmdrm	hypo	CHH	-0.0159
Gm14	49559012	49560004 Gmdrm	hypo	CHH	-0.0779
Gm14	49561044	49562024 Gmdrm	hypo	CHH	-0.1013
Gm14	49562049	49562411 Gmdrm	hypo	CHH	-0.0975
Gm14	49630550	49631072 Gmdrm	hypo	CHH	-0.0296
Gm14	49639518	49640485 Gmdrm	hypo	CHH	-0.032
Gm14	49642604	49643554 Gmdrm	hypo	CHH	-0.0353
Gm14	49643623	49644604 Gmdrm	hypo	CHH	-0.1798
Gm14	49644627	49645625 Gmdrm	hypo	CHH	-0.018
Gm14	49661457	49662437 Gmdrm	hypo	CHH	-0.1989
Gm14	49663705	49664548 Gmdrm	hypo	CHH	-0.0232
Gm14	49669640	49670624 Gmdrm	hypo	CHH	-0.0276
Gm14	49670643	49671575 Gmdrm	hypo	CHH	-0.0416
Gm14	49678899	49679323 Gmdrm	hypo	CHH	-0.0375
Gm14	49710322	49711305 Gmdrm	hypo	CHH	-0.0264
Gm14	49719489	49719569 Gmdrm	hypo	CHH	-0.04
Gm14	49725305	49726305 Gmdrm	hypo	CHH	-0.0609
Gm14	49727309	49727754 Gmdrm	hypo	CHH	-0.0885
Gm14	49733004	49733938 Gmdrm	hypo	CHH	-0.0214
Gm14	49735694	49736660 Gmdrm	hypo	CHH	-0.0694
Gm14	49749146	49750121 Gmdrm	hypo	CHH	-0.023
Gm14	49750148	49751147 Gmdrm	hypo	CHH	-0.054
Gm14	49752310	49752822 Gmdrm	hypo	CHH	-0.0318
Gm14	49753970	49754954 Gmdrm	hypo	CHH	-0.0199
Gm14	49769805	49770800 Gmdrm	hypo	CHH	-0.0548
Gm14	49779504	49779859 Gmdrm	hypo	CHH	-0.0567
Gm14	49812255	49813240 Gmdrm	hypo	CHH	-0.0311
Gm14	49813290	49814290 Gmdrm	hypo	CHH	-0.2028
Gm14	49814293	49815293 Gmdrm	hypo	CHH	-0.2851
Gm14	49815295	49815971 Gmdrm	hypo	CHH	-0.1063
Gm14	49816250	49817208 Gmdrm	hypo	CHH	-0.0197
Gm14	49823763	49824757 Gmdrm	hypo	CHH	-0.0359
Gm14	49824783	49825329 Gmdrm	hypo	CHH	-0.0224
Gm14	49825445	49825698 Gmdrm	hypo	CHH	-0.0474
Gm14	49827423	49827570 Gmdrm	hypo	CHH	-0.054

Gm14	49835728	49836728	Gmdrm	hypo	CHH	-0.0471
Gm14	49891287	49892284	Gmdrm	hypo	CHH	-0.0265
Gm14_scaffo	4274	5271	Gmdrm	hypo	CHH	-0.0131
Gm14_scaffo	5289	6276	Gmdrm	hypo	CHH	-0.0228
Gm14_scaffo	6299	7294	Gmdrm	hypo	CHH	-0.0189
Gm14_scaffo	12473	13473	Gmdrm	hypo	CHH	-0.1249
Gm14_scaffo	29044	30040	Gmdrm	hypo	CHH	-0.0177
Gm14_scaffo	46732	47725	Gmdrm	hypo	CHH	-0.0468
Gm14_scaffo	56055	57031	Gmdrm	hypo	CHH	-0.0275
Gm14_scaffo	61700	62650	Gmdrm	hypo	CHH	-0.0457
Gm14_scaffo	74586	75581	Gmdrm	hypo	CHH	-0.0785
Gm14_scaffo	75588	76242	Gmdrm	hypo	CHH	-0.0688
Gm14_scaffo	84442	85422	Gmdrm	hypo	CHH	-0.0132
Gm14_scaffo	85444	85775	Gmdrm	hypo	CHH	-0.1916
Gm14_scaffo	86047	87046	Gmdrm	hypo	CHH	-0.0462
Gm14_scaffo	87048	87459	Gmdrm	hypo	CHH	-0.0609
Gm15	10282	11229	Gmdrm	hypo	CHH	-0.0778
Gm15	23179	24136	Gmdrm	hypo	CHH	-0.0167
Gm15	27813	28806	Gmdrm	hypo	CHH	-0.0419
Gm15	30325	31271	Gmdrm	hypo	CHH	-0.0162
Gm15	48532	49531	Gmdrm	hypo	CHH	-0.0405
Gm15	49534	50518	Gmdrm	hypo	CHH	-0.0234
Gm15	62633	63627	Gmdrm	hypo	CHH	-0.0466
Gm15	63635	64586	Gmdrm	hypo	CHH	-0.0666
Gm15	71619	72038	Gmdrm	hypo	CHH	-0.095
Gm15	72141	72761	Gmdrm	hypo	CHH	-0.0596
Gm15	73747	74737	Gmdrm	hypo	CHH	-0.0831
Gm15	74752	75712	Gmdrm	hypo	CHH	-0.1124
Gm15	75756	76401	Gmdrm	hypo	CHH	-0.0269
Gm15	78245	79237	Gmdrm	hypo	CHH	-0.0214
Gm15	101156	102140	Gmdrm	hypo	CHH	-0.0415
Gm15	108688	109687	Gmdrm	hypo	CHH	-0.14
Gm15	109690	110685	Gmdrm	hypo	CHH	-0.0948
Gm15	110703	111698	Gmdrm	hypo	CHH	-0.0737
Gm15	113752	114741	Gmdrm	hypo	CHH	-0.024
Gm15	117478	118470	Gmdrm	hypo	CHH	-0.0481
Gm15	120530	121262	Gmdrm	hypo	CHH	-0.0259
Gm15	123417	124415	Gmdrm	hypo	CHH	-0.023
Gm15	124420	124554	Gmdrm	hypo	CHH	-0.4476
Gm15	124928	125915	Gmdrm	hypo	CHH	-0.0176
Gm15	128140	128683	Gmdrm	hypo	CHH	-0.04
Gm15	132217	133212	Gmdrm	hypo	CHH	-0.0242
Gm15	135343	136332	Gmdrm	hypo	CHH	-0.0414
Gm15	136346	136993	Gmdrm	hypo	CHH	-0.0546
Gm15	143140	144134	Gmdrm	hypo	CHH	-0.0167
Gm15	147915	148915	Gmdrm	hypo	CHH	-0.1518

Gm15	148916	149767 Gmdrm	hypo	CHH	-0.0883
Gm15	159959	160957 Gmdrm	hypo	CHH	-0.1089
Gm15	160969	161969 Gmdrm	hypo	CHH	-0.0304
Gm15	162089	163065 Gmdrm	hypo	CHH	-0.0129
Gm15	163874	164861 Gmdrm	hypo	CHH	-0.053
Gm15	164878	165876 Gmdrm	hypo	CHH	-0.0702
Gm15	170956	171945 Gmdrm	hypo	CHH	-0.0813
Gm15	172004	172986 Gmdrm	hypo	CHH	-0.0609
Gm15	173046	174026 Gmdrm	hypo	CHH	-0.0253
Gm15	180390	180491 Gmdrm	hypo	CHH	-0.1733
Gm15	185212	185666 Gmdrm	hypo	CHH	-0.0892
Gm15	194443	194623 Gmdrm	hypo	CHH	-0.076
Gm15	205288	206228 Gmdrm	hypo	CHH	-0.0784
Gm15	222891	223890 Gmdrm	hypo	CHH	-0.064
Gm15	223894	224869 Gmdrm	hypo	CHH	-0.0345
Gm15	230218	231215 Gmdrm	hypo	CHH	-0.0823
Gm15	231228	232227 Gmdrm	hypo	CHH	-0.0622
Gm15	240052	241028 Gmdrm	hypo	CHH	-0.0134
Gm15	245947	246947 Gmdrm	hypo	CHH	-0.0721
Gm15	254696	255696 Gmdrm	hypo	CHH	-0.0928
Gm15	255735	256156 Gmdrm	hypo	CHH	-0.0333
Gm15	262061	263031 Gmdrm	hypo	CHH	-0.0158
Gm15	271727	272715 Gmdrm	hypo	CHH	-0.0227
Gm15	272736	273733 Gmdrm	hypo	CHH	-0.1941
Gm15	277538	278537 Gmdrm	hypo	CHH	-0.0177
Gm15	294004	295004 Gmdrm	hypo	CHH	-0.2128
Gm15	297043	298042 Gmdrm	hypo	CHH	-0.1103
Gm15	298044	298997 Gmdrm	hypo	CHH	-0.0468
Gm15	301065	302037 Gmdrm	hypo	CHH	-0.0158
Gm15	305470	306464 Gmdrm	hypo	CHH	-0.0469
Gm15	310906	311904 Gmdrm	hypo	CHH	-0.1276
Gm15	311907	312907 Gmdrm	hypo	CHH	-0.1666
Gm15	312916	313879 Gmdrm	hypo	CHH	-0.0231
Gm15	313927	314923 Gmdrm	hypo	CHH	-0.0458
Gm15	324447	325423 Gmdrm	hypo	CHH	-0.023
Gm15	326025	327008 Gmdrm	hypo	CHH	-0.0157
Gm15	331829	332762 Gmdrm	hypo	CHH	-0.0198
Gm15	333900	334107 Gmdrm	hypo	CHH	-0.0378
Gm15	337324	338324 Gmdrm	hypo	CHH	-0.0954
Gm15	345673	346219 Gmdrm	hypo	CHH	-0.0345
Gm15	347998	348981 Gmdrm	hypo	CHH	-0.059
Gm15	349468	350452 Gmdrm	hypo	CHH	-0.0578
Gm15	354435	354845 Gmdrm	hypo	CHH	-0.0172
Gm15	354956	355941 Gmdrm	hypo	CHH	-0.079
Gm15	359764	360729 Gmdrm	hypo	CHH	-0.0277
Gm15	362697	363693 Gmdrm	hypo	CHH	-0.1457

Gm15	363701	364694 Gmdrm	hypo	CHH	-0.1079
Gm15	369897	370882 Gmdrm	hypo	CHH	-0.1779
Gm15	370934	371278 Gmdrm	hypo	CHH	-0.0203
Gm15	376243	377234 Gmdrm	hypo	CHH	-0.013
Gm15	385829	386828 Gmdrm	hypo	CHH	-0.0287
Gm15	393684	394665 Gmdrm	hypo	CHH	-0.0178
Gm15	397082	398081 Gmdrm	hypo	CHH	-0.1101
Gm15	398083	399071 Gmdrm	hypo	CHH	-0.0654
Gm15	403859	404656 Gmdrm	hypo	CHH	-0.0297
Gm15	410511	411498 Gmdrm	hypo	CHH	-0.1945
Gm15	413538	414538 Gmdrm	hypo	CHH	-0.0167
Gm15	414544	415544 Gmdrm	hypo	CHH	-0.0129
Gm15	420210	421205 Gmdrm	hypo	CHH	-0.0298
Gm15	421217	422208 Gmdrm	hypo	CHH	-0.0873
Gm15	430857	431471 Gmdrm	hypo	CHH	-0.2652
Gm15	436443	437412 Gmdrm	hypo	CHH	-0.0229
Gm15	438499	439476 Gmdrm	hypo	CHH	-0.0934
Gm15	439514	440510 Gmdrm	hypo	CHH	-0.0772
Gm15	442314	443149 Gmdrm	hypo	CHH	-0.083
Gm15	445462	446444 Gmdrm	hypo	CHH	-0.0124
Gm15	447747	448747 Gmdrm	hypo	CHH	-0.1644
Gm15	453577	454570 Gmdrm	hypo	CHH	-0.0188
Gm15	454578	455561 Gmdrm	hypo	CHH	-0.0475
Gm15	459987	460986 Gmdrm	hypo	CHH	-0.0204
Gm15	462540	462625 Gmdrm	hypo	CHH	-0.0275
Gm15	465429	466139 Gmdrm	hypo	CHH	-0.0331
Gm15	467455	468455 Gmdrm	hypo	CHH	-0.0216
Gm15	472676	472991 Gmdrm	hypo	CHH	-0.0623
Gm15	474156	475153 Gmdrm	hypo	CHH	-0.0911
Gm15	475161	476139 Gmdrm	hypo	CHH	-0.1213
Gm15	476188	477178 Gmdrm	hypo	CHH	-0.0185
Gm15	477192	478184 Gmdrm	hypo	CHH	-0.0229
Gm15	495320	496293 Gmdrm	hypo	CHH	-0.1626
Gm15	496330	497324 Gmdrm	hypo	CHH	-0.0931
Gm15	497359	498324 Gmdrm	hypo	CHH	-0.0152
Gm15	502638	503630 Gmdrm	hypo	CHH	-0.026
Gm15	507093	508092 Gmdrm	hypo	CHH	-0.0652
Gm15	508115	509105 Gmdrm	hypo	CHH	-0.067
Gm15	509120	510070 Gmdrm	hypo	CHH	-0.0582
Gm15	510217	511213 Gmdrm	hypo	CHH	-0.0625
Gm15	528507	529173 Gmdrm	hypo	CHH	-0.0518
Gm15	536340	537340 Gmdrm	hypo	CHH	-0.0452
Gm15	538330	539328 Gmdrm	hypo	CHH	-0.0226
Gm15	564562	564849 Gmdrm	hypo	CHH	-0.0313
Gm15	568590	569539 Gmdrm	hypo	CHH	-0.0174
Gm15	582424	583420 Gmdrm	hypo	CHH	-0.0641

Gm15	583427	584427 Gmdrm	hypo	CHH	-0.074
Gm15	584440	584903 Gmdrm	hypo	CHH	-0.1949
Gm15	587386	588386 Gmdrm	hypo	CHH	-0.0433
Gm15	593592	593825 Gmdrm	hypo	CHH	-0.0656
Gm15	614304	615299 Gmdrm	hypo	CHH	-0.0272
Gm15	617070	618049 Gmdrm	hypo	CHH	-0.155
Gm15	618073	618372 Gmdrm	hypo	CHH	-0.1136
Gm15	619600	619782 Gmdrm	hypo	CHH	-0.095
Gm15	623212	624203 Gmdrm	hypo	CHH	-0.0873
Gm15	641647	642611 Gmdrm	hypo	CHH	-0.0171
Gm15	662282	663029 Gmdrm	hypo	CHH	-0.0308
Gm15	678829	679807 Gmdrm	hypo	CHH	-0.0224
Gm15	692493	692665 Gmdrm	hypo	CHH	-0.0427
Gm15	692827	693812 Gmdrm	hypo	CHH	-0.0686
Gm15	698271	699260 Gmdrm	hypo	CHH	-0.014
Gm15	700807	701803 Gmdrm	hypo	CHH	-0.2532
Gm15	701808	702795 Gmdrm	hypo	CHH	-0.1451
Gm15	707019	707992 Gmdrm	hypo	CHH	-0.0173
Gm15	722876	723873 Gmdrm	hypo	CHH	-0.0958
Gm15	723877	724575 Gmdrm	hypo	CHH	-0.3149
Gm15	738014	739012 Gmdrm	hypo	CHH	-0.2986
Gm15	739016	740007 Gmdrm	hypo	CHH	-0.0186
Gm15	752821	753807 Gmdrm	hypo	CHH	-0.0814
Gm15	764513	765480 Gmdrm	hypo	CHH	-0.01
Gm15	766753	767449 Gmdrm	hypo	CHH	-0.0298
Gm15	783648	784647 Gmdrm	hypo	CHH	-0.0704
Gm15	784654	785588 Gmdrm	hypo	CHH	-0.0751
Gm15	789714	790714 Gmdrm	hypo	CHH	-0.0237
Gm15	796625	797623 Gmdrm	hypo	CHH	-0.0624
Gm15	797657	798605 Gmdrm	hypo	CHH	-0.0249
Gm15	801069	801366 Gmdrm	hypo	CHH	-0.0753
Gm15	803554	803857 Gmdrm	hypo	CHH	-0.0731
Gm15	806411	806742 Gmdrm	hypo	CHH	-0.0445
Gm15	810303	811297 Gmdrm	hypo	CHH	-0.2294
Gm15	811305	812295 Gmdrm	hypo	CHH	-0.1404
Gm15	814193	814798 Gmdrm	hypo	CHH	-0.0346
Gm15	817744	817978 Gmdrm	hypo	CHH	-0.031
Gm15	824253	825247 Gmdrm	hypo	CHH	-0.0601
Gm15	825258	826257 Gmdrm	hypo	CHH	-0.0154
Gm15	827019	827856 Gmdrm	hypo	CHH	-0.0345
Gm15	828016	828694 Gmdrm	hypo	CHH	-0.0332
Gm15	837636	838624 Gmdrm	hypo	CHH	-0.1266
Gm15	838651	839596 Gmdrm	hypo	CHH	-0.1202
Gm15	844200	845199 Gmdrm	hypo	CHH	-0.1441
Gm15	845202	846188 Gmdrm	hypo	CHH	-0.2328
Gm15	855152	855541 Gmdrm	hypo	CHH	-0.0456

Gm15	855876	856123	Gmdrm	hypo	CHH	-0.1092
Gm15	857849	858833	Gmdrm	hypo	CHH	-0.0183
Gm15	869446	870437	Gmdrm	hypo	CHH	-0.0265
Gm15	877881	878870	Gmdrm	hypo	CHH	-0.0139
Gm15	880839	881832	Gmdrm	hypo	CHH	-0.0202
Gm15	881841	882789	Gmdrm	hypo	CHH	-0.0418
Gm15	907100	908098	Gmdrm	hypo	CHH	-0.0171
Gm15	919737	920733	Gmdrm	hypo	CHH	-0.0203
Gm15	921768	922285	Gmdrm	hypo	CHH	-0.2263
Gm15	922548	923537	Gmdrm	hypo	CHH	-0.0407
Gm15	925937	926936	Gmdrm	hypo	CHH	-0.0504
Gm15	928948	929947	Gmdrm	hypo	CHH	-0.0455
Gm15	929961	930915	Gmdrm	hypo	CHH	-0.0843
Gm15	949652	950633	Gmdrm	hypo	CHH	-0.0174
Gm15	950674	951673	Gmdrm	hypo	CHH	-0.0457
Gm15	959106	960103	Gmdrm	hypo	CHH	-0.0689
Gm15	962935	963902	Gmdrm	hypo	CHH	-0.0355
Gm15	968770	969486	Gmdrm	hypo	CHH	-0.0167
Gm15	969742	970725	Gmdrm	hypo	CHH	-0.2483
Gm15	973995	974983	Gmdrm	hypo	CHH	-0.172
Gm15	982087	982900	Gmdrm	hypo	CHH	-0.0194
Gm15	991529	991647	Gmdrm	hypo	CHH	-0.0489
Gm15	993596	993778	Gmdrm	hypo	CHH	-0.0657
Gm15	1013786	1014746	Gmdrm	hypo	CHH	-0.0137
Gm15	1016990	1017988	Gmdrm	hypo	CHH	-0.0196
Gm15	1018016	1019015	Gmdrm	hypo	CHH	-0.1168
Gm15	1019017	1019978	Gmdrm	hypo	CHH	-0.032
Gm15	1025323	1026313	Gmdrm	hypo	CHH	-0.0627
Gm15	1026326	1027316	Gmdrm	hypo	CHH	-0.0843
Gm15	1027327	1028327	Gmdrm	hypo	CHH	-0.0298
Gm15	1028328	1029318	Gmdrm	hypo	CHH	-0.0868
Gm15	1029338	1030338	Gmdrm	hypo	CHH	-0.0574
Gm15	1036364	1037004	Gmdrm	hypo	CHH	-0.04
Gm15	1041091	1042091	Gmdrm	hypo	CHH	-0.0226
Gm15	1060468	1060943	Gmdrm	hypo	CHH	-0.1039
Gm15	1062014	1062153	Gmdrm	hypo	CHH	-0.052
Gm15	1070662	1071617	Gmdrm	hypo	CHH	-0.0096
Gm15	1073262	1074251	Gmdrm	hypo	CHH	-0.0156
Gm15	1074272	1074653	Gmdrm	hypo	CHH	-0.0763
Gm15	1074807	1075754	Gmdrm	hypo	CHH	-0.1502
Gm15	1082109	1082416	Gmdrm	hypo	CHH	-0.035
Gm15	1084842	1085830	Gmdrm	hypo	CHH	-0.0172
Gm15	1097704	1098702	Gmdrm	hypo	CHH	-0.1055
Gm15	1103751	1104473	Gmdrm	hypo	CHH	-0.0705
Gm15	1105606	1106032	Gmdrm	hypo	CHH	-0.026
Gm15	1111803	1112766	Gmdrm	hypo	CHH	-0.0306

Gm15	1121791	1122786 Gmdrm	hypo	CHH	-0.1038
Gm15	1122796	1123091 Gmdrm	hypo	CHH	-0.0174
Gm15	1128651	1128801 Gmdrm	hypo	CHH	-0.0671
Gm15	1130213	1131205 Gmdrm	hypo	CHH	-0.0692
Gm15	1131216	1132210 Gmdrm	hypo	CHH	-0.1189
Gm15	1132217	1133204 Gmdrm	hypo	CHH	-0.09
Gm15	1145403	1145758 Gmdrm	hypo	CHH	-0.0365
Gm15	1147024	1148024 Gmdrm	hypo	CHH	-0.0596
Gm15	1148026	1149026 Gmdrm	hypo	CHH	-0.0379
Gm15	1166064	1167051 Gmdrm	hypo	CHH	-0.0119
Gm15	1167858	1168857 Gmdrm	hypo	CHH	-0.0846
Gm15	1168861	1169835 Gmdrm	hypo	CHH	-0.0591
Gm15	1177693	1178687 Gmdrm	hypo	CHH	-0.0217
Gm15	1191139	1192138 Gmdrm	hypo	CHH	-0.0829
Gm15	1193654	1194647 Gmdrm	hypo	CHH	-0.192
Gm15	1198557	1199150 Gmdrm	hypo	CHH	-0.4562
Gm15	1199649	1200086 Gmdrm	hypo	CHH	-0.0569
Gm15	1205902	1206898 Gmdrm	hypo	CHH	-0.0617
Gm15	1206906	1207893 Gmdrm	hypo	CHH	-0.0209
Gm15	1207935	1208935 Gmdrm	hypo	CHH	-0.2515
Gm15	1220271	1220991 Gmdrm	hypo	CHH	-0.0258
Gm15	1227387	1228348 Gmdrm	hypo	CHH	-0.0359
Gm15	1244123	1244828 Gmdrm	hypo	CHH	-0.0187
Gm15	1259618	1260616 Gmdrm	hypo	CHH	-0.0447
Gm15	1264195	1265187 Gmdrm	hypo	CHH	-0.0126
Gm15	1267163	1268159 Gmdrm	hypo	CHH	-0.0199
Gm15	1270214	1271183 Gmdrm	hypo	CHH	-0.0207
Gm15	1272624	1273001 Gmdrm	hypo	CHH	-0.0319
Gm15	1307046	1307559 Gmdrm	hypo	CHH	-0.0255
Gm15	1309974	1310974 Gmdrm	hypo	CHH	-0.079
Gm15	1310977	1311967 Gmdrm	hypo	CHH	-0.0359
Gm15	1313616	1314582 Gmdrm	hypo	CHH	-0.0161
Gm15	1326207	1327206 Gmdrm	hypo	CHH	-0.0256
Gm15	1327210	1328187 Gmdrm	hypo	CHH	-0.309
Gm15	1332730	1333721 Gmdrm	hypo	CHH	-0.025
Gm15	1333737	1334736 Gmdrm	hypo	CHH	-0.053
Gm15	1334738	1335340 Gmdrm	hypo	CHH	-0.0467
Gm15	1336500	1336737 Gmdrm	hypo	CHH	-0.0433
Gm15	1352743	1353701 Gmdrm	hypo	CHH	-0.0161
Gm15	1356145	1357142 Gmdrm	hypo	CHH	-0.0188
Gm15	1357268	1357306 Gmdrm	hypo	CHH	-0.4
Gm15	1363822	1364810 Gmdrm	hypo	CHH	-0.0466
Gm15	1367241	1368231 Gmdrm	hypo	CHH	-0.0273
Gm15	1401776	1402770 Gmdrm	hypo	CHH	-0.0187
Gm15	1410307	1411282 Gmdrm	hypo	CHH	-0.0225
Gm15	1414051	1414629 Gmdrm	hypo	CHH	-0.0244

Gm15	1424562	1425562 Gmdrm	hypo	CHH	-0.0546
Gm15	1425563	1426310 Gmdrm	hypo	CHH	-0.2667
Gm15	1427468	1428460 Gmdrm	hypo	CHH	-0.062
Gm15	1445654	1446073 Gmdrm	hypo	CHH	-0.077
Gm15	1450988	1451943 Gmdrm	hypo	CHH	-0.0194
Gm15	1457179	1458166 Gmdrm	hypo	CHH	-0.0221
Gm15	1479105	1479990 Gmdrm	hypo	CHH	-0.0995
Gm15	1494213	1494659 Gmdrm	hypo	CHH	-0.1868
Gm15	1501958	1502207 Gmdrm	hypo	CHH	-0.0288
Gm15	1513693	1514693 Gmdrm	hypo	CHH	-0.0207
Gm15	1515548	1516539 Gmdrm	hypo	CHH	-0.0609
Gm15	1516552	1517551 Gmdrm	hypo	CHH	-0.0397
Gm15	1535001	1535986 Gmdrm	hypo	CHH	-0.0222
Gm15	1537309	1538308 Gmdrm	hypo	CHH	-0.1741
Gm15	1538310	1538959 Gmdrm	hypo	CHH	-0.1132
Gm15	1557169	1557353 Gmdrm	hypo	CHH	-0.0567
Gm15	1561562	1562557 Gmdrm	hypo	CHH	-0.0181
Gm15	1564493	1565473 Gmdrm	hypo	CHH	-0.015
Gm15	1568964	1569498 Gmdrm	hypo	CHH	-0.3673
Gm15	1577494	1578492 Gmdrm	hypo	CHH	-0.2167
Gm15	1578498	1579497 Gmdrm	hypo	CHH	-0.0967
Gm15	1587856	1588848 Gmdrm	hypo	CHH	-0.0781
Gm15	1588870	1589869 Gmdrm	hypo	CHH	-0.0531
Gm15	1589871	1590858 Gmdrm	hypo	CHH	-0.1122
Gm15	1590876	1591875 Gmdrm	hypo	CHH	-0.0192
Gm15	1593084	1594080 Gmdrm	hypo	CHH	-0.0191
Gm15	1594086	1595082 Gmdrm	hypo	CHH	-0.2192
Gm15	1595088	1596073 Gmdrm	hypo	CHH	-0.1448
Gm15	1602251	1603248 Gmdrm	hypo	CHH	-0.0604
Gm15	1603256	1604171 Gmdrm	hypo	CHH	-0.0637
Gm15	1610060	1611058 Gmdrm	hypo	CHH	-0.0344
Gm15	1611061	1611324 Gmdrm	hypo	CHH	-0.0941
Gm15	1611437	1612434 Gmdrm	hypo	CHH	-0.0434
Gm15	1613475	1613928 Gmdrm	hypo	CHH	-0.0202
Gm15	1625744	1625834 Gmdrm	hypo	CHH	-0.085
Gm15	1626164	1627164 Gmdrm	hypo	CHH	-0.0536
Gm15	1627169	1628165 Gmdrm	hypo	CHH	-0.072
Gm15	1628235	1628956 Gmdrm	hypo	CHH	-0.0307
Gm15	1635166	1635887 Gmdrm	hypo	CHH	-0.0214
Gm15	1637446	1638442 Gmdrm	hypo	CHH	-0.0228
Gm15	1638454	1639170 Gmdrm	hypo	CHH	-0.0202
Gm15	1641876	1642876 Gmdrm	hypo	CHH	-0.0506
Gm15	1642882	1643363 Gmdrm	hypo	CHH	-0.2128
Gm15	1648054	1648700 Gmdrm	hypo	CHH	-0.1512
Gm15	1659240	1660239 Gmdrm	hypo	CHH	-0.0133
Gm15	1665027	1666022 Gmdrm	hypo	CHH	-0.041

Gm15	1668200	1669087 Gmdrm	hypo	CHH	-0.112
Gm15	1676632	1677627 Gmdrm	hypo	CHH	-0.082
Gm15	1678639	1679621 Gmdrm	hypo	CHH	-0.1016
Gm15	1680484	1681484 Gmdrm	hypo	CHH	-0.1961
Gm15	1681489	1682232 Gmdrm	hypo	CHH	-0.2153
Gm15	1686939	1687573 Gmdrm	hypo	CHH	-0.0223
Gm15	1691383	1692211 Gmdrm	hypo	CHH	-0.0674
Gm15	1702540	1703490 Gmdrm	hypo	CHH	-0.0236
Gm15	1709207	1710207 Gmdrm	hypo	CHH	-0.0624
Gm15	1713894	1714890 Gmdrm	hypo	CHH	-0.0216
Gm15	1728992	1729312 Gmdrm	hypo	CHH	-0.0218
Gm15	1730598	1731595 Gmdrm	hypo	CHH	-0.0163
Gm15	1732617	1733205 Gmdrm	hypo	CHH	-0.017
Gm15	1738924	1739893 Gmdrm	hypo	CHH	-0.0207
Gm15	1740937	1741904 Gmdrm	hypo	CHH	-0.0226
Gm15	1750823	1751774 Gmdrm	hypo	CHH	-0.015
Gm15	1755952	1756882 Gmdrm	hypo	CHH	-0.0961
Gm15	1761756	1762756 Gmdrm	hypo	CHH	-0.1222
Gm15	1762762	1763756 Gmdrm	hypo	CHH	-0.0437
Gm15	1763766	1764763 Gmdrm	hypo	CHH	-0.035
Gm15	1764771	1765752 Gmdrm	hypo	CHH	-0.1094
Gm15	1774299	1775290 Gmdrm	hypo	CHH	-0.0282
Gm15	1775300	1776017 Gmdrm	hypo	CHH	-0.0576
Gm15	1779009	1779300 Gmdrm	hypo	CHH	-0.0721
Gm15	1786417	1787408 Gmdrm	hypo	CHH	-0.0111
Gm15	1800888	1801878 Gmdrm	hypo	CHH	-0.0215
Gm15	1809424	1810416 Gmdrm	hypo	CHH	-0.1149
Gm15	1811570	1812551 Gmdrm	hypo	CHH	-0.0813
Gm15	1812577	1812611 Gmdrm	hypo	CHH	-0.0383
Gm15	1814838	1815826 Gmdrm	hypo	CHH	-0.0102
Gm15	1816105	1817082 Gmdrm	hypo	CHH	-0.0155
Gm15	1818190	1819159 Gmdrm	hypo	CHH	-0.0917
Gm15	1822244	1823244 Gmdrm	hypo	CHH	-0.061
Gm15	1844053	1845031 Gmdrm	hypo	CHH	-0.015
Gm15	1845066	1846066 Gmdrm	hypo	CHH	-0.1432
Gm15	1846068	1847050 Gmdrm	hypo	CHH	-0.0832
Gm15	1854744	1855720 Gmdrm	hypo	CHH	-0.0198
Gm15	1861124	1862117 Gmdrm	hypo	CHH	-0.0501
Gm15	1866364	1867363 Gmdrm	hypo	CHH	-0.0258
Gm15	1867368	1868367 Gmdrm	hypo	CHH	-0.0661
Gm15	1868379	1869374 Gmdrm	hypo	CHH	-0.1012
Gm15	1876878	1877874 Gmdrm	hypo	CHH	-0.0687
Gm15	1877890	1878885 Gmdrm	hypo	CHH	-0.0994
Gm15	1889265	1889745 Gmdrm	hypo	CHH	-0.154
Gm15	1922315	1923299 Gmdrm	hypo	CHH	-0.0183
Gm15	1928574	1929560 Gmdrm	hypo	CHH	-0.0147

Gm15	1946855	1947848 Gmdrm	hypo	CHH	-0.047
Gm15	1953144	1954134 Gmdrm	hypo	CHH	-0.0259
Gm15	1960158	1961142 Gmdrm	hypo	CHH	-0.2495
Gm15	1963981	1964461 Gmdrm	hypo	CHH	-0.0524
Gm15	1964568	1965566 Gmdrm	hypo	CHH	-0.1303
Gm15	1970945	1971899 Gmdrm	hypo	CHH	-0.0263
Gm15	1975559	1975831 Gmdrm	hypo	CHH	-0.0247
Gm15	1983477	1984458 Gmdrm	hypo	CHH	-0.0353
Gm15	1996428	1997428 Gmdrm	hypo	CHH	-0.0172
Gm15	1997446	1998434 Gmdrm	hypo	CHH	-0.032
Gm15	1998474	1999450 Gmdrm	hypo	CHH	-0.0187
Gm15	2004396	2005395 Gmdrm	hypo	CHH	-0.0658
Gm15	2006411	2007406 Gmdrm	hypo	CHH	-0.0435
Gm15	2007414	2008405 Gmdrm	hypo	CHH	-0.0609
Gm15	2008421	2008473 Gmdrm	hypo	CHH	-0.118
Gm15	2015640	2016638 Gmdrm	hypo	CHH	-0.0961
Gm15	2043474	2044473 Gmdrm	hypo	CHH	-0.1184
Gm15	2044478	2045456 Gmdrm	hypo	CHH	-0.0846
Gm15	2086017	2087014 Gmdrm	hypo	CHH	-0.0221
Gm15	2097072	2098068 Gmdrm	hypo	CHH	-0.0555
Gm15	2098073	2098790 Gmdrm	hypo	CHH	-0.2715
Gm15	2109879	2110873 Gmdrm	hypo	CHH	-0.0108
Gm15	2112951	2113949 Gmdrm	hypo	CHH	-0.0365
Gm15	2117697	2118415 Gmdrm	hypo	CHH	-0.0795
Gm15	2120569	2121567 Gmdrm	hypo	CHH	-0.1538
Gm15	2121572	2122566 Gmdrm	hypo	CHH	-0.087
Gm15	2128857	2129853 Gmdrm	hypo	CHH	-0.0192
Gm15	2136484	2137241 Gmdrm	hypo	CHH	-0.0167
Gm15	2137350	2138221 Gmdrm	hypo	CHH	-0.0272
Gm15	2147978	2148978 Gmdrm	hypo	CHH	-0.0899
Gm15	2148979	2149969 Gmdrm	hypo	CHH	-0.0625
Gm15	2153573	2153906 Gmdrm	hypo	CHH	-0.03
Gm15	2155102	2156066 Gmdrm	hypo	CHH	-0.0418
Gm15	2158794	2159547 Gmdrm	hypo	CHH	-0.0285
Gm15	2164876	2165869 Gmdrm	hypo	CHH	-0.0395
Gm15	2165879	2166874 Gmdrm	hypo	CHH	-0.1114
Gm15	2166944	2167922 Gmdrm	hypo	CHH	-0.0154
Gm15	2189896	2190878 Gmdrm	hypo	CHH	-0.2488
Gm15	2206245	2207245 Gmdrm	hypo	CHH	-0.0181
Gm15	2217251	2218244 Gmdrm	hypo	CHH	-0.0185
Gm15	2225696	2226392 Gmdrm	hypo	CHH	-0.0316
Gm15	2226595	2227558 Gmdrm	hypo	CHH	-0.05
Gm15	2238079	2239064 Gmdrm	hypo	CHH	-0.1112
Gm15	2241435	2242429 Gmdrm	hypo	CHH	-0.0258
Gm15	2242437	2243421 Gmdrm	hypo	CHH	-0.1223
Gm15	2243444	2244428 Gmdrm	hypo	CHH	-0.1254

Gm15	2249281	2250273	Gmdrm	hypo	CHH	-0.0205
Gm15	2285643	2286642	Gmdrm	hypo	CHH	-0.2632
Gm15	2286647	2287632	Gmdrm	hypo	CHH	-0.0701
Gm15	2303545	2304542	Gmdrm	hypo	CHH	-0.2357
Gm15	2304548	2305149	Gmdrm	hypo	CHH	-0.0221
Gm15	2320192	2321166	Gmdrm	hypo	CHH	-0.2149
Gm15	2322212	2323207	Gmdrm	hypo	CHH	-0.1096
Gm15	2323215	2324207	Gmdrm	hypo	CHH	-0.0696
Gm15	2343478	2344434	Gmdrm	hypo	CHH	-0.0145
Gm15	2362141	2363129	Gmdrm	hypo	CHH	-0.0335
Gm15	2374185	2375182	Gmdrm	hypo	CHH	-0.0226
Gm15	2375194	2376176	Gmdrm	hypo	CHH	-0.0124
Gm15	2395241	2396231	Gmdrm	hypo	CHH	-0.0481
Gm15	2403473	2404200	Gmdrm	hypo	CHH	-0.0396
Gm15	2416985	2417984	Gmdrm	hypo	CHH	-0.0276
Gm15	2418013	2419007	Gmdrm	hypo	CHH	-0.0424
Gm15	2426342	2427340	Gmdrm	hypo	CHH	-0.1015
Gm15	2429407	2430397	Gmdrm	hypo	CHH	-0.0211
Gm15	2432189	2433175	Gmdrm	hypo	CHH	-0.3005
Gm15	2446578	2447551	Gmdrm	hypo	CHH	-0.0516
Gm15	2451101	2452093	Gmdrm	hypo	CHH	-0.0173
Gm15	2452109	2453106	Gmdrm	hypo	CHH	-0.015
Gm15	2455665	2456665	Gmdrm	hypo	CHH	-0.1698
Gm15	2456677	2457633	Gmdrm	hypo	CHH	-0.2537
Gm15	2457730	2458176	Gmdrm	hypo	CHH	-0.3946
Gm15	2465311	2466286	Gmdrm	hypo	CHH	-0.0163
Gm15	2475782	2476774	Gmdrm	hypo	CHH	-0.0487
Gm15	2482826	2483767	Gmdrm	hypo	CHH	-0.0159
Gm15	2483831	2484074	Gmdrm	hypo	CHH	-0.034
Gm15	2505340	2506340	Gmdrm	hypo	CHH	-0.0809
Gm15	2506341	2507340	Gmdrm	hypo	CHH	-0.0349
Gm15	2508354	2509315	Gmdrm	hypo	CHH	-0.0698
Gm15	2513498	2514488	Gmdrm	hypo	CHH	-0.0195
Gm15	2517477	2518465	Gmdrm	hypo	CHH	-0.0152
Gm15	2560276	2561266	Gmdrm	hypo	CHH	-0.0164
Gm15	2602609	2603559	Gmdrm	hypo	CHH	-0.0579
Gm15	2603623	2604587	Gmdrm	hypo	CHH	-0.0709
Gm15	2611963	2612410	Gmdrm	hypo	CHH	-0.0287
Gm15	2617674	2617800	Gmdrm	hypo	CHH	-0.072
Gm15	2634389	2635388	Gmdrm	hypo	CHH	-0.024
Gm15	2635408	2636400	Gmdrm	hypo	CHH	-0.0139
Gm15	2639422	2640415	Gmdrm	hypo	CHH	-0.0175
Gm15	2642432	2643430	Gmdrm	hypo	CHH	-0.0607
Gm15	2653704	2654701	Gmdrm	hypo	CHH	-0.0144
Gm15	2680625	2681598	Gmdrm	hypo	CHH	-0.1737
Gm15	2692969	2693956	Gmdrm	hypo	CHH	-0.0135

Gm15	2693971	2694929	Gmdrm	hypo	CHH	-0.0181
Gm15	2694986	2695971	Gmdrm	hypo	CHH	-0.0195
Gm15	2697017	2697367	Gmdrm	hypo	CHH	-0.0225
Gm15	2697472	2698472	Gmdrm	hypo	CHH	-0.0166
Gm15	2698483	2698899	Gmdrm	hypo	CHH	-0.0326
Gm15	2713237	2714229	Gmdrm	hypo	CHH	-0.0285
Gm15	2719409	2720400	Gmdrm	hypo	CHH	-0.016
Gm15	2729023	2729346	Gmdrm	hypo	CHH	-0.0209
Gm15	2731793	2732789	Gmdrm	hypo	CHH	-0.0236
Gm15	2735109	2736108	Gmdrm	hypo	CHH	-0.0172
Gm15	2740764	2740891	Gmdrm	hypo	CHH	-0.0263
Gm15	2744043	2745033	Gmdrm	hypo	CHH	-0.0166
Gm15	2745049	2746043	Gmdrm	hypo	CHH	-0.0161
Gm15	2747417	2748382	Gmdrm	hypo	CHH	-0.0183
Gm15	2751492	2752492	Gmdrm	hypo	CHH	-0.0184
Gm15	2752502	2753499	Gmdrm	hypo	CHH	-0.0296
Gm15	2753545	2754506	Gmdrm	hypo	CHH	-0.0215
Gm15	2810114	2810754	Gmdrm	hypo	CHH	-0.0436
Gm15	2814168	2814886	Gmdrm	hypo	CHH	-0.257
Gm15	2816013	2816678	Gmdrm	hypo	CHH	-0.1414
Gm15	2821564	2822563	Gmdrm	hypo	CHH	-0.2264
Gm15	2822567	2823010	Gmdrm	hypo	CHH	-0.2511
Gm15	2823160	2823371	Gmdrm	hypo	CHH	-0.096
Gm15	2828301	2829251	Gmdrm	hypo	CHH	-0.0163
Gm15	2829317	2830315	Gmdrm	hypo	CHH	-0.0259
Gm15	2841971	2842949	Gmdrm	hypo	CHH	-0.0152
Gm15	2845074	2846027	Gmdrm	hypo	CHH	-0.0485
Gm15	2846122	2847078	Gmdrm	hypo	CHH	-0.2271
Gm15	2847131	2848079	Gmdrm	hypo	CHH	-0.0163
Gm15	2853044	2853948	Gmdrm	hypo	CHH	-0.0195
Gm15	2855725	2856013	Gmdrm	hypo	CHH	-0.0789
Gm15	2858148	2859145	Gmdrm	hypo	CHH	-0.1558
Gm15	2859149	2860132	Gmdrm	hypo	CHH	-0.0536
Gm15	2860153	2861128	Gmdrm	hypo	CHH	-0.0137
Gm15	2865377	2866371	Gmdrm	hypo	CHH	-0.1673
Gm15	2872888	2873875	Gmdrm	hypo	CHH	-0.0275
Gm15	2878893	2879881	Gmdrm	hypo	CHH	-0.0135
Gm15	2883784	2884777	Gmdrm	hypo	CHH	-0.0166
Gm15	2884785	2885742	Gmdrm	hypo	CHH	-0.0264
Gm15	2892226	2893196	Gmdrm	hypo	CHH	-0.0121
Gm15	2895239	2896211	Gmdrm	hypo	CHH	-0.0741
Gm15	2897847	2898806	Gmdrm	hypo	CHH	-0.0129
Gm15	2907313	2908288	Gmdrm	hypo	CHH	-0.102
Gm15	2909799	2910423	Gmdrm	hypo	CHH	-0.019
Gm15	2914342	2915337	Gmdrm	hypo	CHH	-0.0204
Gm15	2918004	2918564	Gmdrm	hypo	CHH	-0.0271

Gm15	2919671	2920515 Gmdrm	hypo	CHH	-0.1011
Gm15	2924316	2925114 Gmdrm	hypo	CHH	-0.0221
Gm15	2928371	2929354 Gmdrm	hypo	CHH	-0.0161
Gm15	2933471	2934447 Gmdrm	hypo	CHH	-0.0286
Gm15	2940672	2941653 Gmdrm	hypo	CHH	-0.0259
Gm15	2948265	2949246 Gmdrm	hypo	CHH	-0.0408
Gm15	2953710	2954661 Gmdrm	hypo	CHH	-0.0249
Gm15	2962034	2963026 Gmdrm	hypo	CHH	-0.0405
Gm15	2963040	2964023 Gmdrm	hypo	CHH	-0.0436
Gm15	2969464	2969608 Gmdrm	hypo	CHH	-0.021
Gm15	2969841	2970823 Gmdrm	hypo	CHH	-0.0892
Gm15	2980937	2981934 Gmdrm	hypo	CHH	-0.065
Gm15	2981943	2982322 Gmdrm	hypo	CHH	-0.238
Gm15	2982454	2983083 Gmdrm	hypo	CHH	-0.0326
Gm15	2996755	2997729 Gmdrm	hypo	CHH	-0.0177
Gm15	3002834	3003599 Gmdrm	hypo	CHH	-0.0256
Gm15	3011572	3012562 Gmdrm	hypo	CHH	-0.0254
Gm15	3017246	3017297 Gmdrm	hypo	CHH	-0.05
Gm15	3031068	3032048 Gmdrm	hypo	CHH	-0.015
Gm15	3032091	3033075 Gmdrm	hypo	CHH	-0.0294
Gm15	3037950	3038950 Gmdrm	hypo	CHH	-0.0125
Gm15	3042983	3043979 Gmdrm	hypo	CHH	-0.0369
Gm15	3043991	3044972 Gmdrm	hypo	CHH	-0.0447
Gm15	3050101	3051093 Gmdrm	hypo	CHH	-0.0249
Gm15	3056491	3057485 Gmdrm	hypo	CHH	-0.246
Gm15	3067373	3068357 Gmdrm	hypo	CHH	-0.0156
Gm15	3075210	3076195 Gmdrm	hypo	CHH	-0.1585
Gm15	3076216	3077214 Gmdrm	hypo	CHH	-0.1807
Gm15	3082502	3083502 Gmdrm	hypo	CHH	-0.105
Gm15	3092060	3093058 Gmdrm	hypo	CHH	-0.0186
Gm15	3097173	3098097 Gmdrm	hypo	CHH	-0.04
Gm15	3098200	3099176 Gmdrm	hypo	CHH	-0.0226
Gm15	3099232	3100227 Gmdrm	hypo	CHH	-0.02
Gm15	3102297	3102772 Gmdrm	hypo	CHH	-0.0173
Gm15	3106971	3107065 Gmdrm	hypo	CHH	-0.088
Gm15	3116355	3117347 Gmdrm	hypo	CHH	-0.03
Gm15	3123083	3124053 Gmdrm	hypo	CHH	-0.0127
Gm15	3126479	3126754 Gmdrm	hypo	CHH	-0.0239
Gm15	3129979	3130973 Gmdrm	hypo	CHH	-0.1453
Gm15	3133472	3134471 Gmdrm	hypo	CHH	-0.0173
Gm15	3160161	3160966 Gmdrm	hypo	CHH	-0.0204
Gm15	3169498	3170482 Gmdrm	hypo	CHH	-0.0387
Gm15	3170501	3171496 Gmdrm	hypo	CHH	-0.067
Gm15	3171502	3172476 Gmdrm	hypo	CHH	-0.089
Gm15	3175051	3176045 Gmdrm	hypo	CHH	-0.2434
Gm15	3176056	3177048 Gmdrm	hypo	CHH	-0.027

Gm15	3177060	3177660 Gmdrm	hypo	CHH	-0.0344
Gm15	3180010	3181002 Gmdrm	hypo	CHH	-0.0151
Gm15	3181035	3182006 Gmdrm	hypo	CHH	-0.0331
Gm15	3190928	3191060 Gmdrm	hypo	CHH	-0.023
Gm15	3192213	3193159 Gmdrm	hypo	CHH	-0.0203
Gm15	3196926	3197925 Gmdrm	hypo	CHH	-0.063
Gm15	3197931	3198931 Gmdrm	hypo	CHH	-0.049
Gm15	3198936	3199911 Gmdrm	hypo	CHH	-0.0809
Gm15	3207503	3208469 Gmdrm	hypo	CHH	-0.0193
Gm15	3209021	3210010 Gmdrm	hypo	CHH	-0.0464
Gm15	3215106	3216092 Gmdrm	hypo	CHH	-0.2526
Gm15	3221698	3222661 Gmdrm	hypo	CHH	-0.0111
Gm15	3256501	3257501 Gmdrm	hypo	CHH	-0.0297
Gm15	3264889	3265106 Gmdrm	hypo	CHH	-0.0483
Gm15	3281016	3282014 Gmdrm	hypo	CHH	-0.0419
Gm15	3287119	3288118 Gmdrm	hypo	CHH	-0.0591
Gm15	3288123	3289030 Gmdrm	hypo	CHH	-0.0273
Gm15	3290527	3291364 Gmdrm	hypo	CHH	-0.0325
Gm15	3303940	3304939 Gmdrm	hypo	CHH	-0.0896
Gm15	3304967	3305967 Gmdrm	hypo	CHH	-0.0787
Gm15	3305972	3306642 Gmdrm	hypo	CHH	-0.0948
Gm15	3306749	3307716 Gmdrm	hypo	CHH	-0.0125
Gm15	3312653	3313649 Gmdrm	hypo	CHH	-0.1434
Gm15	3315425	3316392 Gmdrm	hypo	CHH	-0.0161
Gm15	3331617	3332601 Gmdrm	hypo	CHH	-0.0155
Gm15	3333005	3334005 Gmdrm	hypo	CHH	-0.1699
Gm15	3334022	3335001 Gmdrm	hypo	CHH	-0.0805
Gm15	3345009	3345967 Gmdrm	hypo	CHH	-0.143
Gm15	3357409	3358405 Gmdrm	hypo	CHH	-0.0264
Gm15	3431862	3432828 Gmdrm	hypo	CHH	-0.0655
Gm15	3432868	3433762 Gmdrm	hypo	CHH	-0.0323
Gm15	3452466	3453455 Gmdrm	hypo	CHH	-0.0139
Gm15	3457877	3458874 Gmdrm	hypo	CHH	-0.011
Gm15	3458880	3459877 Gmdrm	hypo	CHH	-0.0166
Gm15	3469280	3470202 Gmdrm	hypo	CHH	-0.021
Gm15	3473093	3474023 Gmdrm	hypo	CHH	-0.416
Gm15	3477103	3478086 Gmdrm	hypo	CHH	-0.0226
Gm15	3523682	3524669 Gmdrm	hypo	CHH	-0.0142
Gm15	3525688	3526686 Gmdrm	hypo	CHH	-0.0911
Gm15	3526690	3527690 Gmdrm	hypo	CHH	-0.0616
Gm15	3527692	3528689 Gmdrm	hypo	CHH	-0.079
Gm15	3535454	3535623 Gmdrm	hypo	CHH	-0.0963
Gm15	3535804	3536801 Gmdrm	hypo	CHH	-0.0663
Gm15	3544883	3545839 Gmdrm	hypo	CHH	-0.0265
Gm15	3546319	3547313 Gmdrm	hypo	CHH	-0.1384
Gm15	3547323	3548288 Gmdrm	hypo	CHH	-0.0655

Gm15	3553526	3554174	Gmdrm	hypo	CHH	-0.0238
Gm15	3589398	3590368	Gmdrm	hypo	CHH	-0.0266
Gm15	3592415	3593379	Gmdrm	hypo	CHH	-0.0112
Gm15	3602545	3603541	Gmdrm	hypo	CHH	-0.22
Gm15	3603550	3604513	Gmdrm	hypo	CHH	-0.0263
Gm15	3607792	3608772	Gmdrm	hypo	CHH	-0.0206
Gm15	3614728	3615728	Gmdrm	hypo	CHH	-0.1289
Gm15	3615729	3616717	Gmdrm	hypo	CHH	-0.2164
Gm15	3624569	3625555	Gmdrm	hypo	CHH	-0.0173
Gm15	3625625	3626604	Gmdrm	hypo	CHH	-0.0469
Gm15	3633743	3634742	Gmdrm	hypo	CHH	-0.0212
Gm15	3634746	3635682	Gmdrm	hypo	CHH	-0.0152
Gm15	3635782	3636768	Gmdrm	hypo	CHH	-0.1027
Gm15	3638795	3639785	Gmdrm	hypo	CHH	-0.0463
Gm15	3657891	3658858	Gmdrm	hypo	CHH	-0.0227
Gm15	3662179	3663172	Gmdrm	hypo	CHH	-0.0182
Gm15	3663182	3664049	Gmdrm	hypo	CHH	-0.281
Gm15	3668337	3669307	Gmdrm	hypo	CHH	-0.018
Gm15	3672436	3673206	Gmdrm	hypo	CHH	-0.0239
Gm15	3677568	3678566	Gmdrm	hypo	CHH	-0.2324
Gm15	3678569	3679566	Gmdrm	hypo	CHH	-0.0508
Gm15	3697545	3697984	Gmdrm	hypo	CHH	-0.1759
Gm15	3700293	3701288	Gmdrm	hypo	CHH	-0.0248
Gm15	3701305	3702287	Gmdrm	hypo	CHH	-0.0205
Gm15	3705305	3706149	Gmdrm	hypo	CHH	-0.0207
Gm15	3709945	3710928	Gmdrm	hypo	CHH	-0.0175
Gm15	3712327	3713301	Gmdrm	hypo	CHH	-0.1311
Gm15	3734205	3735147	Gmdrm	hypo	CHH	-0.0175
Gm15	3739043	3739867	Gmdrm	hypo	CHH	-0.0492
Gm15	3760940	3761933	Gmdrm	hypo	CHH	-0.0258
Gm15	3761941	3762901	Gmdrm	hypo	CHH	-0.0149
Gm15	3766076	3767076	Gmdrm	hypo	CHH	-0.017
Gm15	3797505	3798496	Gmdrm	hypo	CHH	-0.0834
Gm15	3798510	3799399	Gmdrm	hypo	CHH	-0.0246
Gm15	3808886	3809873	Gmdrm	hypo	CHH	-0.018
Gm15	3810818	3811815	Gmdrm	hypo	CHH	-0.0384
Gm15	3812554	3812874	Gmdrm	hypo	CHH	-0.03
Gm15	3820682	3821322	Gmdrm	hypo	CHH	-0.0388
Gm15	3826360	3827338	Gmdrm	hypo	CHH	-0.0131
Gm15	3828481	3829479	Gmdrm	hypo	CHH	-0.018
Gm15	3836514	3837510	Gmdrm	hypo	CHH	-0.1137
Gm15	3841284	3842270	Gmdrm	hypo	CHH	-0.176
Gm15	3858773	3859762	Gmdrm	hypo	CHH	-0.018
Gm15	3865513	3866499	Gmdrm	hypo	CHH	-0.0363
Gm15	3866517	3867452	Gmdrm	hypo	CHH	-0.0337
Gm15	3867521	3868515	Gmdrm	hypo	CHH	-0.056

Gm15	3868524	3869212 Gmdrm	hypo	CHH	-0.09
Gm15	3875669	3876661 Gmdrm	hypo	CHH	-0.0147
Gm15	3884280	3885270 Gmdrm	hypo	CHH	-0.018
Gm15	3900568	3901222 Gmdrm	hypo	CHH	-0.0705
Gm15	3903787	3904759 Gmdrm	hypo	CHH	-0.0218
Gm15	3910232	3911227 Gmdrm	hypo	CHH	-0.0476
Gm15	3923230	3924229 Gmdrm	hypo	CHH	-0.0326
Gm15	3924235	3925228 Gmdrm	hypo	CHH	-0.0495
Gm15	3926276	3926419 Gmdrm	hypo	CHH	-0.0275
Gm15	3929400	3930225 Gmdrm	hypo	CHH	-0.021
Gm15	3933339	3934321 Gmdrm	hypo	CHH	-0.0666
Gm15	3934341	3935161 Gmdrm	hypo	CHH	-0.2103
Gm15	3935517	3936511 Gmdrm	hypo	CHH	-0.0208
Gm15	3962044	3963005 Gmdrm	hypo	CHH	-0.12
Gm15	3979736	3980694 Gmdrm	hypo	CHH	-0.025
Gm15	3982687	3982910 Gmdrm	hypo	CHH	-0.05
Gm15	3985785	3986773 Gmdrm	hypo	CHH	-0.127
Gm15	3999468	4000467 Gmdrm	hypo	CHH	-0.025
Gm15	4006611	4007597 Gmdrm	hypo	CHH	-0.0208
Gm15	4012363	4013343 Gmdrm	hypo	CHH	-0.0172
Gm15	4031798	4032165 Gmdrm	hypo	CHH	-0.0608
Gm15	4033043	4033990 Gmdrm	hypo	CHH	-0.0416
Gm15	4034054	4035042 Gmdrm	hypo	CHH	-0.0962
Gm15	4046485	4047483 Gmdrm	hypo	CHH	-0.0132
Gm15	4060841	4061795 Gmdrm	hypo	CHH	-0.0198
Gm15	4066143	4067141 Gmdrm	hypo	CHH	-0.0225
Gm15	4070301	4071299 Gmdrm	hypo	CHH	-0.0535
Gm15	4074190	4075174 Gmdrm	hypo	CHH	-0.1416
Gm15	4076841	4077792 Gmdrm	hypo	CHH	-0.0213
Gm15	4088493	4089239 Gmdrm	hypo	CHH	-0.0265
Gm15	4094364	4095359 Gmdrm	hypo	CHH	-0.1631
Gm15	4105342	4106333 Gmdrm	hypo	CHH	-0.0146
Gm15	4110148	4111122 Gmdrm	hypo	CHH	-0.0149
Gm15	4112179	4113168 Gmdrm	hypo	CHH	-0.0187
Gm15	4118174	4119010 Gmdrm	hypo	CHH	-0.0198
Gm15	4124610	4125608 Gmdrm	hypo	CHH	-0.0654
Gm15	4125619	4126617 Gmdrm	hypo	CHH	-0.0237
Gm15	4126622	4127606 Gmdrm	hypo	CHH	-0.012
Gm15	4133015	4133984 Gmdrm	hypo	CHH	-0.0215
Gm15	4134947	4135881 Gmdrm	hypo	CHH	-0.0173
Gm15	4155823	4156400 Gmdrm	hypo	CHH	-0.0203
Gm15	4156765	4157050 Gmdrm	hypo	CHH	-0.124
Gm15	4157445	4158203 Gmdrm	hypo	CHH	-0.1004
Gm15	4167419	4168418 Gmdrm	hypo	CHH	-0.3093
Gm15	4168423	4169421 Gmdrm	hypo	CHH	-0.2954
Gm15	4169426	4170379 Gmdrm	hypo	CHH	-0.0233

Gm15	4179596	4180557 Gmdrm	hypo	CHH	-0.0138
Gm15	4193949	4194916 Gmdrm	hypo	CHH	-0.0271
Gm15	4199152	4200147 Gmdrm	hypo	CHH	-0.0274
Gm15	4209657	4210645 Gmdrm	hypo	CHH	-0.0244
Gm15	4212790	4213775 Gmdrm	hypo	CHH	-0.0391
Gm15	4217040	4218008 Gmdrm	hypo	CHH	-0.0442
Gm15	4219625	4220603 Gmdrm	hypo	CHH	-0.0227
Gm15	4222149	4223147 Gmdrm	hypo	CHH	-0.0172
Gm15	4231548	4232518 Gmdrm	hypo	CHH	-0.0178
Gm15	4234580	4235531 Gmdrm	hypo	CHH	-0.082
Gm15	4242417	4243162 Gmdrm	hypo	CHH	-0.0271
Gm15	4243735	4244713 Gmdrm	hypo	CHH	-0.0192
Gm15	4250764	4251764 Gmdrm	hypo	CHH	-0.1849
Gm15	4251767	4252249 Gmdrm	hypo	CHH	-0.3198
Gm15	4263098	4264081 Gmdrm	hypo	CHH	-0.2296
Gm15	4268777	4269731 Gmdrm	hypo	CHH	-0.0368
Gm15	4272854	4273842 Gmdrm	hypo	CHH	-0.0645
Gm15	4278695	4279692 Gmdrm	hypo	CHH	-0.1183
Gm15	4290667	4291627 Gmdrm	hypo	CHH	-0.0202
Gm15	4300704	4301674 Gmdrm	hypo	CHH	-0.023
Gm15	4311465	4312450 Gmdrm	hypo	CHH	-0.039
Gm15	4315262	4316259 Gmdrm	hypo	CHH	-0.0143
Gm15	4318162	4319150 Gmdrm	hypo	CHH	-0.0187
Gm15	4341325	4341903 Gmdrm	hypo	CHH	-0.0352
Gm15	4344851	4345846 Gmdrm	hypo	CHH	-0.0107
Gm15	4350427	4351418 Gmdrm	hypo	CHH	-0.3067
Gm15	4352531	4353521 Gmdrm	hypo	CHH	-0.0366
Gm15	4353535	4354534 Gmdrm	hypo	CHH	-0.055
Gm15	4354537	4355537 Gmdrm	hypo	CHH	-0.0829
Gm15	4355543	4356274 Gmdrm	hypo	CHH	-0.1355
Gm15	4363465	4364454 Gmdrm	hypo	CHH	-0.0401
Gm15	4376448	4377271 Gmdrm	hypo	CHH	-0.1318
Gm15	4397698	4398308 Gmdrm	hypo	CHH	-0.0932
Gm15	4414944	4415927 Gmdrm	hypo	CHH	-0.1677
Gm15	4416480	4416703 Gmdrm	hypo	CHH	-0.0214
Gm15	4422120	4423102 Gmdrm	hypo	CHH	-0.2235
Gm15	4423121	4424118 Gmdrm	hypo	CHH	-0.1125
Gm15	4429375	4430369 Gmdrm	hypo	CHH	-0.0177
Gm15	4440058	4441033 Gmdrm	hypo	CHH	-0.2148
Gm15	4441094	4442090 Gmdrm	hypo	CHH	-0.027
Gm15	4455913	4456484 Gmdrm	hypo	CHH	-0.0146
Gm15	4459423	4460414 Gmdrm	hypo	CHH	-0.0175
Gm15	4460433	4461427 Gmdrm	hypo	CHH	-0.0383
Gm15	4461459	4462443 Gmdrm	hypo	CHH	-0.0158
Gm15	4469074	4470069 Gmdrm	hypo	CHH	-0.052
Gm15	4479481	4480434 Gmdrm	hypo	CHH	-0.0217

Gm15	4485133	4486131 Gmdrm	hypo	CHH	-0.0482
Gm15	4486138	4487123 Gmdrm	hypo	CHH	-0.0127
Gm15	4493224	4494224 Gmdrm	hypo	CHH	-0.0152
Gm15	4499784	4500729 Gmdrm	hypo	CHH	-0.0794
Gm15	4507558	4507955 Gmdrm	hypo	CHH	-0.0256
Gm15	4512208	4513208 Gmdrm	hypo	CHH	-0.1354
Gm15	4513220	4514214 Gmdrm	hypo	CHH	-0.1233
Gm15	4514767	4515761 Gmdrm	hypo	CHH	-0.0313
Gm15	4515772	4516768 Gmdrm	hypo	CHH	-0.067
Gm15	4516774	4517716 Gmdrm	hypo	CHH	-0.0687
Gm15	4529615	4530614 Gmdrm	hypo	CHH	-0.0435
Gm15	4531053	4532052 Gmdrm	hypo	CHH	-0.1115
Gm15	4532054	4533030 Gmdrm	hypo	CHH	-0.0134
Gm15	4533091	4534079 Gmdrm	hypo	CHH	-0.0214
Gm15	4538739	4539371 Gmdrm	hypo	CHH	-0.0178
Gm15	4543026	4544020 Gmdrm	hypo	CHH	-0.0452
Gm15	4546673	4547542 Gmdrm	hypo	CHH	-0.0098
Gm15	4558425	4558475 Gmdrm	hypo	CHH	-0.048
Gm15	4578545	4579523 Gmdrm	hypo	CHH	-0.1126
Gm15	4608194	4609021 Gmdrm	hypo	CHH	-0.0316
Gm15	4617913	4618911 Gmdrm	hypo	CHH	-0.0175
Gm15	4622823	4623813 Gmdrm	hypo	CHH	-0.0115
Gm15	4627267	4628212 Gmdrm	hypo	CHH	-0.0302
Gm15	4635026	4635472 Gmdrm	hypo	CHH	-0.0245
Gm15	4641478	4642459 Gmdrm	hypo	CHH	-0.0528
Gm15	4645059	4645445 Gmdrm	hypo	CHH	-0.0256
Gm15	4648488	4649335 Gmdrm	hypo	CHH	-0.0179
Gm15	4655733	4656707 Gmdrm	hypo	CHH	-0.1371
Gm15	4674203	4675200 Gmdrm	hypo	CHH	-0.013
Gm15	4676228	4677224 Gmdrm	hypo	CHH	-0.0282
Gm15	4686165	4687161 Gmdrm	hypo	CHH	-0.1161
Gm15	4692461	4693460 Gmdrm	hypo	CHH	-0.0732
Gm15	4693470	4694454 Gmdrm	hypo	CHH	-0.0243
Gm15	4695601	4696580 Gmdrm	hypo	CHH	-0.0145
Gm15	4699462	4700459 Gmdrm	hypo	CHH	-0.0981
Gm15	4700463	4701425 Gmdrm	hypo	CHH	-0.0836
Gm15	4706923	4707909 Gmdrm	hypo	CHH	-0.0165
Gm15	4715076	4716075 Gmdrm	hypo	CHH	-0.0279
Gm15	4728107	4729094 Gmdrm	hypo	CHH	-0.0231
Gm15	4729122	4730122 Gmdrm	hypo	CHH	-0.0166
Gm15	4733800	4734795 Gmdrm	hypo	CHH	-0.0967
Gm15	4745397	4746386 Gmdrm	hypo	CHH	-0.1453
Gm15	4746398	4747396 Gmdrm	hypo	CHH	-0.0792
Gm15	4747423	4747619 Gmdrm	hypo	CHH	-0.0947
Gm15	4752078	4753063 Gmdrm	hypo	CHH	-0.0276
Gm15	4757664	4758567 Gmdrm	hypo	CHH	-0.0248

Gm15	4764345	4765342 Gmdrm	hypo	CHH	-0.0465
Gm15	4765352	4766342 Gmdrm	hypo	CHH	-0.018
Gm15	4780084	4781079 Gmdrm	hypo	CHH	-0.0097
Gm15	4787183	4787858 Gmdrm	hypo	CHH	-0.0251
Gm15	4790068	4791058 Gmdrm	hypo	CHH	-0.0256
Gm15	4792365	4793324 Gmdrm	hypo	CHH	-0.0158
Gm15	4799108	4800105 Gmdrm	hypo	CHH	-0.0228
Gm15	4800109	4800956 Gmdrm	hypo	CHH	-0.0675
Gm15	4806905	4807833 Gmdrm	hypo	CHH	-0.1154
Gm15	4807921	4807998 Gmdrm	hypo	CHH	-0.0643
Gm15	4808220	4808758 Gmdrm	hypo	CHH	-0.218
Gm15	4809842	4810841 Gmdrm	hypo	CHH	-0.0588
Gm15	4823043	4824042 Gmdrm	hypo	CHH	-0.1128
Gm15	4824046	4825042 Gmdrm	hypo	CHH	-0.0506
Gm15	4836610	4837596 Gmdrm	hypo	CHH	-0.0145
Gm15	4846481	4847461 Gmdrm	hypo	CHH	-0.1683
Gm15	4874160	4874848 Gmdrm	hypo	CHH	-0.0656
Gm15	4876652	4877648 Gmdrm	hypo	CHH	-0.0229
Gm15	4878904	4879879 Gmdrm	hypo	CHH	-0.0272
Gm15	4895397	4896378 Gmdrm	hypo	CHH	-0.0289
Gm15	4896501	4897494 Gmdrm	hypo	CHH	-0.0235
Gm15	4903952	4904823 Gmdrm	hypo	CHH	-0.0761
Gm15	4904989	4905476 Gmdrm	hypo	CHH	-0.0267
Gm15	4911590	4912586 Gmdrm	hypo	CHH	-0.0195
Gm15	4920256	4921253 Gmdrm	hypo	CHH	-0.0885
Gm15	4921257	4922244 Gmdrm	hypo	CHH	-0.0159
Gm15	4929940	4930731 Gmdrm	hypo	CHH	-0.0487
Gm15	4931133	4931519 Gmdrm	hypo	CHH	-0.2512
Gm15	4937255	4938243 Gmdrm	hypo	CHH	-0.0489
Gm15	4961631	4962628 Gmdrm	hypo	CHH	-0.0238
Gm15	4963030	4964019 Gmdrm	hypo	CHH	-0.042
Gm15	4964031	4965023 Gmdrm	hypo	CHH	-0.0765
Gm15	4968179	4969169 Gmdrm	hypo	CHH	-0.0151
Gm15	4970190	4970349 Gmdrm	hypo	CHH	-0.0279
Gm15	4975573	4976559 Gmdrm	hypo	CHH	-0.015
Gm15	4977891	4978891 Gmdrm	hypo	CHH	-0.2107
Gm15	4978894	4979672 Gmdrm	hypo	CHH	-0.1485
Gm15	4982771	4983331 Gmdrm	hypo	CHH	-0.098
Gm15	4984124	4985124 Gmdrm	hypo	CHH	-0.1116
Gm15	4993764	4994758 Gmdrm	hypo	CHH	-0.0222
Gm15	4994773	4995758 Gmdrm	hypo	CHH	-0.0149
Gm15	5036174	5037172 Gmdrm	hypo	CHH	-0.034
Gm15	5037176	5038173 Gmdrm	hypo	CHH	-0.1327
Gm15	5048485	5049468 Gmdrm	hypo	CHH	-0.0212
Gm15	5053405	5054398 Gmdrm	hypo	CHH	-0.0142
Gm15	5068716	5069553 Gmdrm	hypo	CHH	-0.023

Gm15	5079563	5080555 Gmdrm	hypo	CHH	-0.0936
Gm15	5080565	5081549 Gmdrm	hypo	CHH	-0.0515
Gm15	5091734	5092722 Gmdrm	hypo	CHH	-0.0601
Gm15	5121993	5122991 Gmdrm	hypo	CHH	-0.1437
Gm15	5122998	5123994 Gmdrm	hypo	CHH	-0.1556
Gm15	5124026	5125026 Gmdrm	hypo	CHH	-0.0684
Gm15	5125042	5126037 Gmdrm	hypo	CHH	-0.0144
Gm15	5126046	5126989 Gmdrm	hypo	CHH	-0.013
Gm15	5131924	5132923 Gmdrm	hypo	CHH	-0.0993
Gm15	5132928	5133928 Gmdrm	hypo	CHH	-0.0631
Gm15	5133931	5134920 Gmdrm	hypo	CHH	-0.0188
Gm15	5140351	5141291 Gmdrm	hypo	CHH	-0.0323
Gm15	5148108	5148260 Gmdrm	hypo	CHH	-0.0372
Gm15	5153923	5154918 Gmdrm	hypo	CHH	-0.0581
Gm15	5154925	5155912 Gmdrm	hypo	CHH	-0.0595
Gm15	5185093	5186050 Gmdrm	hypo	CHH	-0.0372
Gm15	5196709	5197709 Gmdrm	hypo	CHH	-0.0167
Gm15	5203303	5204299 Gmdrm	hypo	CHH	-0.0234
Gm15	5205128	5206071 Gmdrm	hypo	CHH	-0.0181
Gm15	5210125	5211121 Gmdrm	hypo	CHH	-0.0258
Gm15	5211303	5212302 Gmdrm	hypo	CHH	-0.0564
Gm15	5212304	5213239 Gmdrm	hypo	CHH	-0.0677
Gm15	5218338	5219331 Gmdrm	hypo	CHH	-0.0242
Gm15	5219355	5220339 Gmdrm	hypo	CHH	-0.0124
Gm15	5221177	5222149 Gmdrm	hypo	CHH	-0.017
Gm15	5239532	5239789 Gmdrm	hypo	CHH	-0.1242
Gm15	5240194	5241185 Gmdrm	hypo	CHH	-0.1162
Gm15	5241206	5242202 Gmdrm	hypo	CHH	-0.0217
Gm15	5245288	5246286 Gmdrm	hypo	CHH	-0.0189
Gm15	5246291	5247262 Gmdrm	hypo	CHH	-0.0334
Gm15	5253016	5254005 Gmdrm	hypo	CHH	-0.0141
Gm15	5255018	5256008 Gmdrm	hypo	CHH	-0.0231
Gm15	5264812	5265805 Gmdrm	hypo	CHH	-0.04
Gm15	5276432	5277429 Gmdrm	hypo	CHH	-0.0131
Gm15	5280827	5281822 Gmdrm	hypo	CHH	-0.0108
Gm15	5284723	5285722 Gmdrm	hypo	CHH	-0.0751
Gm15	5285728	5286718 Gmdrm	hypo	CHH	-0.0568
Gm15	5291886	5292884 Gmdrm	hypo	CHH	-0.1975
Gm15	5301906	5302798 Gmdrm	hypo	CHH	-0.058
Gm15	5303924	5304894 Gmdrm	hypo	CHH	-0.0347
Gm15	5307713	5307968 Gmdrm	hypo	CHH	-0.0762
Gm15	5328179	5329151 Gmdrm	hypo	CHH	-0.053
Gm15	5345552	5346551 Gmdrm	hypo	CHH	-0.0244
Gm15	5352011	5352982 Gmdrm	hypo	CHH	-0.0156
Gm15	5360707	5361703 Gmdrm	hypo	CHH	-0.013
Gm15	5362718	5363706 Gmdrm	hypo	CHH	-0.0189

Gm15	5367809	5368800 Gmdrm	hypo	CHH	-0.0174
Gm15	5379092	5380082 Gmdrm	hypo	CHH	-0.1033
Gm15	5380106	5381077 Gmdrm	hypo	CHH	-0.0821
Gm15	5382116	5383116 Gmdrm	hypo	CHH	-0.0331
Gm15	5385150	5386148 Gmdrm	hypo	CHH	-0.0691
Gm15	5396089	5397089 Gmdrm	hypo	CHH	-0.0746
Gm15	5398102	5399083 Gmdrm	hypo	CHH	-0.0693
Gm15	5420554	5421536 Gmdrm	hypo	CHH	-0.0291
Gm15	5422469	5423438 Gmdrm	hypo	CHH	-0.0109
Gm15	5423473	5424472 Gmdrm	hypo	CHH	-0.2916
Gm15	5424479	5424995 Gmdrm	hypo	CHH	-0.2743
Gm15	5425432	5426432 Gmdrm	hypo	CHH	-0.1074
Gm15	5426433	5426643 Gmdrm	hypo	CHH	-0.3618
Gm15	5433135	5434063 Gmdrm	hypo	CHH	-0.0149
Gm15	5434146	5435126 Gmdrm	hypo	CHH	-0.1762
Gm15	5435150	5436148 Gmdrm	hypo	CHH	-0.1211
Gm15	5449073	5450063 Gmdrm	hypo	CHH	-0.0628
Gm15	5451081	5452080 Gmdrm	hypo	CHH	-0.2055
Gm15	5457870	5458857 Gmdrm	hypo	CHH	-0.0308
Gm15	5460162	5460895 Gmdrm	hypo	CHH	-0.0306
Gm15	5462455	5463453 Gmdrm	hypo	CHH	-0.0354
Gm15	5464785	5464884 Gmdrm	hypo	CHH	-0.05
Gm15	5473362	5473899 Gmdrm	hypo	CHH	-0.0338
Gm15	5488006	5489005 Gmdrm	hypo	CHH	-0.1024
Gm15	5491717	5492560 Gmdrm	hypo	CHH	-0.155
Gm15	5499958	5500719 Gmdrm	hypo	CHH	-0.0201
Gm15	5504343	5505338 Gmdrm	hypo	CHH	-0.0202
Gm15	5517432	5518413 Gmdrm	hypo	CHH	-0.0246
Gm15	5520991	5521075 Gmdrm	hypo	CHH	-0.0529
Gm15	5525166	5526134 Gmdrm	hypo	CHH	-0.0265
Gm15	5526177	5526386 Gmdrm	hypo	CHH	-0.0666
Gm15	5528859	5529199 Gmdrm	hypo	CHH	-0.0313
Gm15	5529947	5530943 Gmdrm	hypo	CHH	-0.1521
Gm15	5530948	5531945 Gmdrm	hypo	CHH	-0.2401
Gm15	5531955	5532912 Gmdrm	hypo	CHH	-0.0122
Gm15	5536428	5537418 Gmdrm	hypo	CHH	-0.1301
Gm15	5537437	5538423 Gmdrm	hypo	CHH	-0.1094
Gm15	5543609	5544597 Gmdrm	hypo	CHH	-0.0984
Gm15	5545194	5546192 Gmdrm	hypo	CHH	-0.0568
Gm15	5550284	5551281 Gmdrm	hypo	CHH	-0.1031
Gm15	5563731	5564668 Gmdrm	hypo	CHH	-0.1529
Gm15	5564736	5565726 Gmdrm	hypo	CHH	-0.2255
Gm15	5571358	5572339 Gmdrm	hypo	CHH	-0.034
Gm15	5583094	5584091 Gmdrm	hypo	CHH	-0.0379
Gm15	5584101	5585086 Gmdrm	hypo	CHH	-0.0123
Gm15	5595767	5596667 Gmdrm	hypo	CHH	-0.0154

Gm15	5603503	5604501 Gmdrm	hypo	CHH	-0.0346
Gm15	5605335	5605495 Gmdrm	hypo	CHH	-0.084
Gm15	5612342	5613337 Gmdrm	hypo	CHH	-0.0379
Gm15	5619115	5620109 Gmdrm	hypo	CHH	-0.0655
Gm15	5629416	5630384 Gmdrm	hypo	CHH	-0.1186
Gm15	5632575	5633570 Gmdrm	hypo	CHH	-0.1123
Gm15	5633584	5634016 Gmdrm	hypo	CHH	-0.0647
Gm15	5635162	5636129 Gmdrm	hypo	CHH	-0.0452
Gm15	5641138	5642024 Gmdrm	hypo	CHH	-0.0234
Gm15	5642338	5643337 Gmdrm	hypo	CHH	-0.1479
Gm15	5643343	5644328 Gmdrm	hypo	CHH	-0.0665
Gm15	5644359	5645345 Gmdrm	hypo	CHH	-0.0124
Gm15	5655204	5656123 Gmdrm	hypo	CHH	-0.021
Gm15	5664089	5665073 Gmdrm	hypo	CHH	-0.0173
Gm15	5665094	5665412 Gmdrm	hypo	CHH	-0.0358
Gm15	5687141	5688141 Gmdrm	hypo	CHH	-0.089
Gm15	5688142	5688832 Gmdrm	hypo	CHH	-0.0631
Gm15	5690968	5691954 Gmdrm	hypo	CHH	-0.0157
Gm15	5694116	5695087 Gmdrm	hypo	CHH	-0.0195
Gm15	5695118	5695630 Gmdrm	hypo	CHH	-0.0175
Gm15	5713261	5714258 Gmdrm	hypo	CHH	-0.0281
Gm15	5714268	5715249 Gmdrm	hypo	CHH	-0.0953
Gm15	5715277	5716260 Gmdrm	hypo	CHH	-0.0312
Gm15	5718239	5719211 Gmdrm	hypo	CHH	-0.0166
Gm15	5719263	5720252 Gmdrm	hypo	CHH	-0.4033
Gm15	5723415	5724411 Gmdrm	hypo	CHH	-0.028
Gm15	5724416	5725415 Gmdrm	hypo	CHH	-0.0512
Gm15	5725424	5726348 Gmdrm	hypo	CHH	-0.0331
Gm15	5731619	5732608 Gmdrm	hypo	CHH	-0.0218
Gm15	5759996	5760695 Gmdrm	hypo	CHH	-0.022
Gm15	5764141	5765121 Gmdrm	hypo	CHH	-0.0445
Gm15	5765194	5766190 Gmdrm	hypo	CHH	-0.0156
Gm15	5768648	5769640 Gmdrm	hypo	CHH	-0.0154
Gm15	5779882	5780879 Gmdrm	hypo	CHH	-0.0659
Gm15	5780884	5781876 Gmdrm	hypo	CHH	-0.0212
Gm15	5787705	5788700 Gmdrm	hypo	CHH	-0.0337
Gm15	5788706	5789705 Gmdrm	hypo	CHH	-0.0584
Gm15	5804908	5805889 Gmdrm	hypo	CHH	-0.0176
Gm15	5828230	5829221 Gmdrm	hypo	CHH	-0.0879
Gm15	5829238	5830196 Gmdrm	hypo	CHH	-0.0919
Gm15	5834837	5835222 Gmdrm	hypo	CHH	-0.0245
Gm15	5844215	5845211 Gmdrm	hypo	CHH	-0.0311
Gm15	5845234	5845898 Gmdrm	hypo	CHH	-0.0536
Gm15	5866956	5867951 Gmdrm	hypo	CHH	-0.0214
Gm15	5915164	5916163 Gmdrm	hypo	CHH	-0.1561
Gm15	5920275	5920428 Gmdrm	hypo	CHH	-0.0186

Gm15	5929609	5929680 Gmdrm	hypo	CHH	-0.0317
Gm15	5932076	5933071 Gmdrm	hypo	CHH	-0.0523
Gm15	5934089	5934784 Gmdrm	hypo	CHH	-0.0366
Gm15	5946746	5947746 Gmdrm	hypo	CHH	-0.0205
Gm15	5951245	5952226 Gmdrm	hypo	CHH	-0.0319
Gm15	5955301	5956287 Gmdrm	hypo	CHH	-0.0143
Gm15	5957326	5958325 Gmdrm	hypo	CHH	-0.0382
Gm15	5958339	5959328 Gmdrm	hypo	CHH	-0.0215
Gm15	5968062	5969061 Gmdrm	hypo	CHH	-0.114
Gm15	5971074	5972070 Gmdrm	hypo	CHH	-0.0532
Gm15	5979626	5980620 Gmdrm	hypo	CHH	-0.0616
Gm15	5980639	5981602 Gmdrm	hypo	CHH	-0.3197
Gm15	5991487	5992280 Gmdrm	hypo	CHH	-0.03
Gm15	5992398	5993395 Gmdrm	hypo	CHH	-0.1247
Gm15	5994456	5995452 Gmdrm	hypo	CHH	-0.1449
Gm15	5995462	5996416 Gmdrm	hypo	CHH	-0.3264
Gm15	6001884	6002882 Gmdrm	hypo	CHH	-0.0732
Gm15	6002886	6003803 Gmdrm	hypo	CHH	-0.0333
Gm15	6005771	6006767 Gmdrm	hypo	CHH	-0.0152
Gm15	6025522	6026516 Gmdrm	hypo	CHH	-0.0301
Gm15	6043181	6044175 Gmdrm	hypo	CHH	-0.2753
Gm15	6056658	6057644 Gmdrm	hypo	CHH	-0.3981
Gm15	6064605	6065570 Gmdrm	hypo	CHH	-0.0143
Gm15	6068333	6068495 Gmdrm	hypo	CHH	-0.0763
Gm15	6068624	6069616 Gmdrm	hypo	CHH	-0.0969
Gm15	6069632	6070502 Gmdrm	hypo	CHH	-0.319
Gm15	6075005	6075980 Gmdrm	hypo	CHH	-0.026
Gm15	6076026	6077012 Gmdrm	hypo	CHH	-0.0115
Gm15	6079474	6080451 Gmdrm	hypo	CHH	-0.0148
Gm15	6083496	6084483 Gmdrm	hypo	CHH	-0.184
Gm15	6097092	6098063 Gmdrm	hypo	CHH	-0.0344
Gm15	6124804	6125781 Gmdrm	hypo	CHH	-0.0312
Gm15	6125816	6126807 Gmdrm	hypo	CHH	-0.016
Gm15	6132532	6133339 Gmdrm	hypo	CHH	-0.0218
Gm15	6144765	6145759 Gmdrm	hypo	CHH	-0.025
Gm15	6150406	6151404 Gmdrm	hypo	CHH	-0.0217
Gm15	6156747	6157735 Gmdrm	hypo	CHH	-0.0181
Gm15	6157758	6158753 Gmdrm	hypo	CHH	-0.189
Gm15	6160767	6161767 Gmdrm	hypo	CHH	-0.0123
Gm15	6164547	6165546 Gmdrm	hypo	CHH	-0.1697
Gm15	6169608	6170136 Gmdrm	hypo	CHH	-0.2606
Gm15	6171320	6172075 Gmdrm	hypo	CHH	-0.3761
Gm15	6173481	6174473 Gmdrm	hypo	CHH	-0.2039
Gm15	6187418	6187899 Gmdrm	hypo	CHH	-0.2243
Gm15	6192047	6193047 Gmdrm	hypo	CHH	-0.0674
Gm15	6195056	6196021 Gmdrm	hypo	CHH	-0.0941

Gm15	6202570	6203557 Gmdrm	hypo	CHH	-0.0197
Gm15	6207769	6208163 Gmdrm	hypo	CHH	-0.0215
Gm15	6209355	6210351 Gmdrm	hypo	CHH	-0.096
Gm15	6210364	6211359 Gmdrm	hypo	CHH	-0.0562
Gm15	6212373	6213363 Gmdrm	hypo	CHH	-0.074
Gm15	6226990	6227990 Gmdrm	hypo	CHH	-0.0658
Gm15	6228003	6228996 Gmdrm	hypo	CHH	-0.0967
Gm15	6229007	6229963 Gmdrm	hypo	CHH	-0.0766
Gm15	6230013	6231009 Gmdrm	hypo	CHH	-0.1194
Gm15	6244228	6245218 Gmdrm	hypo	CHH	-0.018
Gm15	6250619	6251618 Gmdrm	hypo	CHH	-0.0171
Gm15	6251624	6252623 Gmdrm	hypo	CHH	-0.0328
Gm15	6259358	6260347 Gmdrm	hypo	CHH	-0.148
Gm15	6260362	6261321 Gmdrm	hypo	CHH	-0.0569
Gm15	6281045	6282045 Gmdrm	hypo	CHH	-0.0675
Gm15	6282047	6282373 Gmdrm	hypo	CHH	-0.0355
Gm15	6285687	6286257 Gmdrm	hypo	CHH	-0.0329
Gm15	6289852	6290842 Gmdrm	hypo	CHH	-0.1108
Gm15	6290853	6291852 Gmdrm	hypo	CHH	-0.0696
Gm15	6293996	6294994 Gmdrm	hypo	CHH	-0.0234
Gm15	6295010	6295185 Gmdrm	hypo	CHH	-0.0417
Gm15	6304026	6304140 Gmdrm	hypo	CHH	-0.0244
Gm15	6309919	6310917 Gmdrm	hypo	CHH	-0.0765
Gm15	6310921	6311897 Gmdrm	hypo	CHH	-0.0395
Gm15	6315015	6316008 Gmdrm	hypo	CHH	-0.013
Gm15	6320236	6320375 Gmdrm	hypo	CHH	-0.0875
Gm15	6335645	6336615 Gmdrm	hypo	CHH	-0.0211
Gm15	6343633	6344629 Gmdrm	hypo	CHH	-0.071
Gm15	6354072	6354240 Gmdrm	hypo	CHH	-0.1023
Gm15	6355133	6356133 Gmdrm	hypo	CHH	-0.2286
Gm15	6356135	6356763 Gmdrm	hypo	CHH	-0.0783
Gm15	6362792	6363768 Gmdrm	hypo	CHH	-0.0104
Gm15	6370921	6371313 Gmdrm	hypo	CHH	-0.0406
Gm15	6373456	6374444 Gmdrm	hypo	CHH	-0.0595
Gm15	6436785	6437765 Gmdrm	hypo	CHH	-0.0219
Gm15	6437788	6438786 Gmdrm	hypo	CHH	-0.0685
Gm15	6439825	6440799 Gmdrm	hypo	CHH	-0.0197
Gm15	6449683	6450676 Gmdrm	hypo	CHH	-0.0146
Gm15	6459282	6460279 Gmdrm	hypo	CHH	-0.04
Gm15	6463765	6464050 Gmdrm	hypo	CHH	-0.069
Gm15	6470972	6471956 Gmdrm	hypo	CHH	-0.0218
Gm15	6471973	6472940 Gmdrm	hypo	CHH	-0.1545
Gm15	6474720	6475718 Gmdrm	hypo	CHH	-0.0229
Gm15	6483603	6484581 Gmdrm	hypo	CHH	-0.0243
Gm15	6494510	6495502 Gmdrm	hypo	CHH	-0.0433
Gm15	6495516	6496488 Gmdrm	hypo	CHH	-0.035

Gm15	6500364	6501354 Gmdrm	hypo	CHH	-0.1813
Gm15	6504232	6505232 Gmdrm	hypo	CHH	-0.0432
Gm15	6505235	6506227 Gmdrm	hypo	CHH	-0.1118
Gm15	6521559	6521827 Gmdrm	hypo	CHH	-0.0375
Gm15	6524136	6525120 Gmdrm	hypo	CHH	-0.0155
Gm15	6529716	6530715 Gmdrm	hypo	CHH	-0.0726
Gm15	6538712	6538953 Gmdrm	hypo	CHH	-0.0757
Gm15	6544940	6545901 Gmdrm	hypo	CHH	-0.0122
Gm15	6545955	6546901 Gmdrm	hypo	CHH	-0.011
Gm15	6563469	6564469 Gmdrm	hypo	CHH	-0.2214
Gm15	6564471	6565446 Gmdrm	hypo	CHH	-0.0163
Gm15	6576111	6577110 Gmdrm	hypo	CHH	-0.1353
Gm15	6579784	6580778 Gmdrm	hypo	CHH	-0.0204
Gm15	6589849	6590438 Gmdrm	hypo	CHH	-0.0659
Gm15	6590590	6591543 Gmdrm	hypo	CHH	-0.0317
Gm15	6601192	6601622 Gmdrm	hypo	CHH	-0.0316
Gm15	6625303	6626293 Gmdrm	hypo	CHH	-0.0194
Gm15	6626305	6627295 Gmdrm	hypo	CHH	-0.0165
Gm15	6632362	6633355 Gmdrm	hypo	CHH	-0.0134
Gm15	6638572	6639570 Gmdrm	hypo	CHH	-0.0834
Gm15	6640447	6641442 Gmdrm	hypo	CHH	-0.0501
Gm15	6650799	6651797 Gmdrm	hypo	CHH	-0.1287
Gm15	6651801	6652797 Gmdrm	hypo	CHH	-0.0933
Gm15	6652804	6653683 Gmdrm	hypo	CHH	-0.0316
Gm15	6660334	6661324 Gmdrm	hypo	CHH	-0.1242
Gm15	6661349	6662343 Gmdrm	hypo	CHH	-0.0895
Gm15	6662353	6663327 Gmdrm	hypo	CHH	-0.0515
Gm15	6669044	6670042 Gmdrm	hypo	CHH	-0.0325
Gm15	6670045	6670879 Gmdrm	hypo	CHH	-0.0769
Gm15	6675594	6676573 Gmdrm	hypo	CHH	-0.0706
Gm15	6676597	6677162 Gmdrm	hypo	CHH	-0.0394
Gm15	6715081	6716081 Gmdrm	hypo	CHH	-0.0809
Gm15	6734796	6735792 Gmdrm	hypo	CHH	-0.0432
Gm15	6737298	6738273 Gmdrm	hypo	CHH	-0.0323
Gm15	6738306	6738572 Gmdrm	hypo	CHH	-0.0785
Gm15	6742047	6743042 Gmdrm	hypo	CHH	-0.0549
Gm15	6743048	6744027 Gmdrm	hypo	CHH	-0.0367
Gm15	6747926	6748923 Gmdrm	hypo	CHH	-0.0426
Gm15	6749521	6750505 Gmdrm	hypo	CHH	-0.02
Gm15	6753700	6754700 Gmdrm	hypo	CHH	-0.0122
Gm15	6754704	6755704 Gmdrm	hypo	CHH	-0.0193
Gm15	6762972	6763897 Gmdrm	hypo	CHH	-0.08
Gm15	6764469	6765392 Gmdrm	hypo	CHH	-0.2342
Gm15	6765548	6765675 Gmdrm	hypo	CHH	-0.074
Gm15	6765788	6765826 Gmdrm	hypo	CHH	-0.6467
Gm15	6776478	6777475 Gmdrm	hypo	CHH	-0.0286

Gm15	6778513	6779512	Gmdrm	hypo	CHH	-0.1435
Gm15	6779516	6780511	Gmdrm	hypo	CHH	-0.0912
Gm15	6785829	6786827	Gmdrm	hypo	CHH	-0.083
Gm15	6793888	6794465	Gmdrm	hypo	CHH	-0.1507
Gm15	6794613	6795552	Gmdrm	hypo	CHH	-0.0178
Gm15	6801783	6802597	Gmdrm	hypo	CHH	-0.0314
Gm15	6803708	6803733	Gmdrm	hypo	CHH	-0.03
Gm15	6807456	6808456	Gmdrm	hypo	CHH	-0.1363
Gm15	6808458	6808680	Gmdrm	hypo	CHH	-0.2013
Gm15	6808790	6809781	Gmdrm	hypo	CHH	-0.1356
Gm15	6815285	6815594	Gmdrm	hypo	CHH	-0.0478
Gm15	6832952	6833130	Gmdrm	hypo	CHH	-0.0333
Gm15	6833250	6834238	Gmdrm	hypo	CHH	-0.1431
Gm15	6855873	6856855	Gmdrm	hypo	CHH	-0.02
Gm15	6870536	6871293	Gmdrm	hypo	CHH	-0.109
Gm15	6877305	6878295	Gmdrm	hypo	CHH	-0.0788
Gm15	6880393	6881390	Gmdrm	hypo	CHH	-0.0184
Gm15	6885087	6885213	Gmdrm	hypo	CHH	-0.0367
Gm15	6887636	6887820	Gmdrm	hypo	CHH	-0.33
Gm15	6890124	6891123	Gmdrm	hypo	CHH	-0.2106
Gm15	6896192	6897189	Gmdrm	hypo	CHH	-0.0305
Gm15	6897194	6898187	Gmdrm	hypo	CHH	-0.0646
Gm15	6905183	6906179	Gmdrm	hypo	CHH	-0.0426
Gm15	6933526	6934512	Gmdrm	hypo	CHH	-0.0494
Gm15	6938644	6939605	Gmdrm	hypo	CHH	-0.1385
Gm15	6940205	6941183	Gmdrm	hypo	CHH	-0.0212
Gm15	6942269	6943269	Gmdrm	hypo	CHH	-0.0199
Gm15	6957947	6958930	Gmdrm	hypo	CHH	-0.0346
Gm15	6964768	6965763	Gmdrm	hypo	CHH	-0.0357
Gm15	6965769	6966754	Gmdrm	hypo	CHH	-0.1317
Gm15	6988330	6989329	Gmdrm	hypo	CHH	-0.0709
Gm15	6989348	6990338	Gmdrm	hypo	CHH	-0.2263
Gm15	7000472	7001430	Gmdrm	hypo	CHH	-0.0182
Gm15	7003400	7004395	Gmdrm	hypo	CHH	-0.026
Gm15	7006406	7007113	Gmdrm	hypo	CHH	-0.0598
Gm15	7022268	7023231	Gmdrm	hypo	CHH	-0.0666
Gm15	7023276	7024269	Gmdrm	hypo	CHH	-0.2906
Gm15	7024296	7025290	Gmdrm	hypo	CHH	-0.0554
Gm15	7028725	7029705	Gmdrm	hypo	CHH	-0.0177
Gm15	7042683	7043681	Gmdrm	hypo	CHH	-0.0694
Gm15	7043684	7044678	Gmdrm	hypo	CHH	-0.0667
Gm15	7044690	7045684	Gmdrm	hypo	CHH	-0.0594
Gm15	7045694	7046681	Gmdrm	hypo	CHH	-0.055
Gm15	7055749	7056748	Gmdrm	hypo	CHH	-0.0455
Gm15	7058505	7059494	Gmdrm	hypo	CHH	-0.0344
Gm15	7059511	7060508	Gmdrm	hypo	CHH	-0.0455

Gm15	7064171	7064943 Gmdrm	hypo	CHH	-0.0251
Gm15	7068817	7069813 Gmdrm	hypo	CHH	-0.0738
Gm15	7069819	7070814 Gmdrm	hypo	CHH	-0.0545
Gm15	7070821	7071808 Gmdrm	hypo	CHH	-0.0371
Gm15	7072867	7073862 Gmdrm	hypo	CHH	-0.0339
Gm15	7095497	7096032 Gmdrm	hypo	CHH	-0.0226
Gm15	7098613	7098845 Gmdrm	hypo	CHH	-0.0606
Gm15	7105777	7106775 Gmdrm	hypo	CHH	-0.0501
Gm15	7113198	7114190 Gmdrm	hypo	CHH	-0.0325
Gm15	7127932	7128930 Gmdrm	hypo	CHH	-0.1619
Gm15	7128933	7129922 Gmdrm	hypo	CHH	-0.1342
Gm15	7129936	7130932 Gmdrm	hypo	CHH	-0.068
Gm15	7133959	7134959 Gmdrm	hypo	CHH	-0.074
Gm15	7137700	7138604 Gmdrm	hypo	CHH	-0.0148
Gm15	7138757	7139754 Gmdrm	hypo	CHH	-0.0138
Gm15	7146756	7147606 Gmdrm	hypo	CHH	-0.0218
Gm15	7150025	7150393 Gmdrm	hypo	CHH	-0.0229
Gm15	7155147	7156134 Gmdrm	hypo	CHH	-0.0676
Gm15	7156169	7157148 Gmdrm	hypo	CHH	-0.0625
Gm15	7173242	7174212 Gmdrm	hypo	CHH	-0.0467
Gm15	7181809	7182788 Gmdrm	hypo	CHH	-0.0203
Gm15	7185359	7185820 Gmdrm	hypo	CHH	-0.1126
Gm15	7192559	7193556 Gmdrm	hypo	CHH	-0.0098
Gm15	7202320	7203290 Gmdrm	hypo	CHH	-0.049
Gm15	7203332	7203424 Gmdrm	hypo	CHH	-0.7471
Gm15	7205706	7206277 Gmdrm	hypo	CHH	-0.1383
Gm15	7208471	7208640 Gmdrm	hypo	CHH	-0.1389
Gm15	7210862	7211359 Gmdrm	hypo	CHH	-0.1016
Gm15	7215735	7216721 Gmdrm	hypo	CHH	-0.02
Gm15	7216742	7217066 Gmdrm	hypo	CHH	-0.0205
Gm15	7219507	7220462 Gmdrm	hypo	CHH	-0.0122
Gm15	7234985	7235954 Gmdrm	hypo	CHH	-0.025
Gm15	7247878	7248871 Gmdrm	hypo	CHH	-0.0675
Gm15	7262196	7263190 Gmdrm	hypo	CHH	-0.0492
Gm15	7264356	7264482 Gmdrm	hypo	CHH	-0.0417
Gm15	7264607	7264641 Gmdrm	hypo	CHH	-0.1514
Gm15	7265902	7266897 Gmdrm	hypo	CHH	-0.011
Gm15	7267405	7268405 Gmdrm	hypo	CHH	-0.0405
Gm15	7282324	7283321 Gmdrm	hypo	CHH	-0.0276
Gm15	7283325	7284322 Gmdrm	hypo	CHH	-0.0281
Gm15	7291069	7291118 Gmdrm	hypo	CHH	-0.17
Gm15	7298279	7299262 Gmdrm	hypo	CHH	-0.013
Gm15	7301755	7302747 Gmdrm	hypo	CHH	-0.0285
Gm15	7302766	7303754 Gmdrm	hypo	CHH	-0.0595
Gm15	7303770	7304745 Gmdrm	hypo	CHH	-0.0996
Gm15	7307067	7308028 Gmdrm	hypo	CHH	-0.0671

Gm15	7327134	7328133 Gmdrm	hypo	CHH	-0.0547
Gm15	7328401	7329390 Gmdrm	hypo	CHH	-0.0104
Gm15	7347620	7348610 Gmdrm	hypo	CHH	-0.0166
Gm15	7351837	7352814 Gmdrm	hypo	CHH	-0.0243
Gm15	7354579	7355216 Gmdrm	hypo	CHH	-0.037
Gm15	7355519	7356510 Gmdrm	hypo	CHH	-0.0146
Gm15	7357080	7357300 Gmdrm	hypo	CHH	-0.0833
Gm15	7359017	7360016 Gmdrm	hypo	CHH	-0.0116
Gm15	7369038	7369953 Gmdrm	hypo	CHH	-0.2816
Gm15	7378563	7379560 Gmdrm	hypo	CHH	-0.0195
Gm15	7387953	7388949 Gmdrm	hypo	CHH	-0.0212
Gm15	7389621	7390621 Gmdrm	hypo	CHH	-0.0697
Gm15	7390627	7391619 Gmdrm	hypo	CHH	-0.0129
Gm15	7397668	7398666 Gmdrm	hypo	CHH	-0.0833
Gm15	7398669	7399666 Gmdrm	hypo	CHH	-0.1084
Gm15	7399718	7400241 Gmdrm	hypo	CHH	-0.0489
Gm15	7410238	7411231 Gmdrm	hypo	CHH	-0.2156
Gm15	7412496	7413491 Gmdrm	hypo	CHH	-0.1991
Gm15	7420021	7420175 Gmdrm	hypo	CHH	-0.0471
Gm15	7425958	7426949 Gmdrm	hypo	CHH	-0.0197
Gm15	7451222	7452213 Gmdrm	hypo	CHH	-0.0573
Gm15	7462318	7462788 Gmdrm	hypo	CHH	-0.0478
Gm15	7462895	7463895 Gmdrm	hypo	CHH	-0.0343
Gm15	7484588	7484857 Gmdrm	hypo	CHH	-0.0346
Gm15	7501450	7501889 Gmdrm	hypo	CHH	-0.1165
Gm15	7505611	7506605 Gmdrm	hypo	CHH	-0.0198
Gm15	7506623	7506831 Gmdrm	hypo	CHH	-0.2948
Gm15	7507102	7508099 Gmdrm	hypo	CHH	-0.1674
Gm15	7520228	7521226 Gmdrm	hypo	CHH	-0.0278
Gm15	7528043	7529043 Gmdrm	hypo	CHH	-0.0418
Gm15	7534760	7535760 Gmdrm	hypo	CHH	-0.0188
Gm15	7537224	7538070 Gmdrm	hypo	CHH	-0.026
Gm15	7538187	7539182 Gmdrm	hypo	CHH	-0.0269
Gm15	7539205	7540202 Gmdrm	hypo	CHH	-0.1331
Gm15	7541247	7542226 Gmdrm	hypo	CHH	-0.0366
Gm15	7545451	7546448 Gmdrm	hypo	CHH	-0.1311
Gm15	7546456	7547454 Gmdrm	hypo	CHH	-0.0165
Gm15	7562838	7563349 Gmdrm	hypo	CHH	-0.0654
Gm15	7567684	7568683 Gmdrm	hypo	CHH	-0.0463
Gm15	7568686	7569649 Gmdrm	hypo	CHH	-0.0539
Gm15	7598462	7599453 Gmdrm	hypo	CHH	-0.0439
Gm15	7599472	7600472 Gmdrm	hypo	CHH	-0.1419
Gm15	7600473	7601469 Gmdrm	hypo	CHH	-0.0754
Gm15	7605514	7606504 Gmdrm	hypo	CHH	-0.148
Gm15	7626245	7627245 Gmdrm	hypo	CHH	-0.0236
Gm15	7628270	7628481 Gmdrm	hypo	CHH	-0.028

Gm15	7642382	7642434	Gmdrm	hypo	CHH	-0.03
Gm15	7643584	7644573	Gmdrm	hypo	CHH	-0.0236
Gm15	7653598	7654595	Gmdrm	hypo	CHH	-0.1082
Gm15	7654600	7655569	Gmdrm	hypo	CHH	-0.0404
Gm15	7656627	7657610	Gmdrm	hypo	CHH	-0.0353
Gm15	7657636	7658026	Gmdrm	hypo	CHH	-0.024
Gm15	7677124	7678124	Gmdrm	hypo	CHH	-0.0191
Gm15	7678126	7679119	Gmdrm	hypo	CHH	-0.2054
Gm15	7679142	7679257	Gmdrm	hypo	CHH	-0.0791
Gm15	7681417	7682414	Gmdrm	hypo	CHH	-0.0237
Gm15	7685273	7686265	Gmdrm	hypo	CHH	-0.2422
Gm15	7687291	7688291	Gmdrm	hypo	CHH	-0.0964
Gm15	7688296	7689289	Gmdrm	hypo	CHH	-0.0242
Gm15	7689304	7690297	Gmdrm	hypo	CHH	-0.0136
Gm15	7692357	7693091	Gmdrm	hypo	CHH	-0.0182
Gm15	7698876	7699876	Gmdrm	hypo	CHH	-0.0079
Gm15	7701915	7702802	Gmdrm	hypo	CHH	-0.0743
Gm15	7708327	7709029	Gmdrm	hypo	CHH	-0.0263
Gm15	7713365	7714353	Gmdrm	hypo	CHH	-0.0153
Gm15	7720355	7721342	Gmdrm	hypo	CHH	-0.0137
Gm15	7723697	7724694	Gmdrm	hypo	CHH	-0.0158
Gm15	7728346	7729343	Gmdrm	hypo	CHH	-0.0287
Gm15	7737261	7737800	Gmdrm	hypo	CHH	-0.0242
Gm15	7740378	7741366	Gmdrm	hypo	CHH	-0.019
Gm15	7743094	7744081	Gmdrm	hypo	CHH	-0.0156
Gm15	7744154	7745129	Gmdrm	hypo	CHH	-0.0205
Gm15	7747525	7748525	Gmdrm	hypo	CHH	-0.0311
Gm15	7773427	7774423	Gmdrm	hypo	CHH	-0.0125
Gm15	7779260	7780260	Gmdrm	hypo	CHH	-0.1721
Gm15	7782309	7783274	Gmdrm	hypo	CHH	-0.0141
Gm15	7783319	7784216	Gmdrm	hypo	CHH	-0.0387
Gm15	7789915	7790904	Gmdrm	hypo	CHH	-0.135
Gm15	7790971	7791073	Gmdrm	hypo	CHH	-0.5079
Gm15	7791498	7791907	Gmdrm	hypo	CHH	-0.1409
Gm15	7800489	7801481	Gmdrm	hypo	CHH	-0.1322
Gm15	7807407	7808406	Gmdrm	hypo	CHH	-0.0154
Gm15	7809509	7810501	Gmdrm	hypo	CHH	-0.1156
Gm15	7816636	7817371	Gmdrm	hypo	CHH	-0.0225
Gm15	7820329	7821322	Gmdrm	hypo	CHH	-0.0153
Gm15	7831466	7832464	Gmdrm	hypo	CHH	-0.0337
Gm15	7832468	7833465	Gmdrm	hypo	CHH	-0.0567
Gm15	7833483	7834479	Gmdrm	hypo	CHH	-0.0556
Gm15	7834505	7835505	Gmdrm	hypo	CHH	-0.0236
Gm15	7836510	7837510	Gmdrm	hypo	CHH	-0.1842
Gm15	7838544	7839539	Gmdrm	hypo	CHH	-0.0234
Gm15	7843656	7844622	Gmdrm	hypo	CHH	-0.0146

Gm15	7848438	7849422	Gmdrm	hypo	CHH	-0.1475
Gm15	7849440	7850438	Gmdrm	hypo	CHH	-0.0279
Gm15	7850443	7851442	Gmdrm	hypo	CHH	-0.139
Gm15	7859653	7860636	Gmdrm	hypo	CHH	-0.0306
Gm15	7902750	7903725	Gmdrm	hypo	CHH	-0.0156
Gm15	7903752	7904716	Gmdrm	hypo	CHH	-0.1761
Gm15	7908867	7909857	Gmdrm	hypo	CHH	-0.0561
Gm15	7909874	7910387	Gmdrm	hypo	CHH	-0.0146
Gm15	7911519	7912519	Gmdrm	hypo	CHH	-0.0116
Gm15	7912521	7912804	Gmdrm	hypo	CHH	-0.02
Gm15	7914926	7915925	Gmdrm	hypo	CHH	-0.1435
Gm15	7920461	7921443	Gmdrm	hypo	CHH	-0.0347
Gm15	7923499	7924493	Gmdrm	hypo	CHH	-0.0988
Gm15	7933278	7934277	Gmdrm	hypo	CHH	-0.0713
Gm15	7935321	7936083	Gmdrm	hypo	CHH	-0.0189
Gm15	7946876	7947122	Gmdrm	hypo	CHH	-0.1194
Gm15	7956261	7956341	Gmdrm	hypo	CHH	-0.036
Gm15	7971251	7971889	Gmdrm	hypo	CHH	-0.052
Gm15	7976241	7977238	Gmdrm	hypo	CHH	-0.0302
Gm15	7977249	7977477	Gmdrm	hypo	CHH	-0.1142
Gm15	7985405	7986405	Gmdrm	hypo	CHH	-0.0337
Gm15	8010457	8011449	Gmdrm	hypo	CHH	-0.1337
Gm15	8014927	8015479	Gmdrm	hypo	CHH	-0.0177
Gm15	8025407	8026352	Gmdrm	hypo	CHH	-0.0692
Gm15	8026445	8027416	Gmdrm	hypo	CHH	-0.027
Gm15	8028471	8029303	Gmdrm	hypo	CHH	-0.0225
Gm15	8032229	8032635	Gmdrm	hypo	CHH	-0.0261
Gm15	8035781	8036777	Gmdrm	hypo	CHH	-0.0187
Gm15	8042452	8042781	Gmdrm	hypo	CHH	-0.0659
Gm15	8048782	8049781	Gmdrm	hypo	CHH	-0.0606
Gm15	8050827	8051827	Gmdrm	hypo	CHH	-0.0664
Gm15	8056561	8057536	Gmdrm	hypo	CHH	-0.0191
Gm15	8059156	8060156	Gmdrm	hypo	CHH	-0.0162
Gm15	8069449	8070431	Gmdrm	hypo	CHH	-0.016
Gm15	8078002	8078992	Gmdrm	hypo	CHH	-0.0177
Gm15	8084259	8085251	Gmdrm	hypo	CHH	-0.0291
Gm15	8090484	8091479	Gmdrm	hypo	CHH	-0.0634
Gm15	8091510	8092183	Gmdrm	hypo	CHH	-0.0212
Gm15	8092289	8092578	Gmdrm	hypo	CHH	-0.0687
Gm15	8092688	8093688	Gmdrm	hypo	CHH	-0.0919
Gm15	8095757	8096757	Gmdrm	hypo	CHH	-0.0198
Gm15	8101125	8102123	Gmdrm	hypo	CHH	-0.0866
Gm15	8114943	8115925	Gmdrm	hypo	CHH	-0.0185
Gm15	8119008	8120008	Gmdrm	hypo	CHH	-0.054
Gm15	8120412	8121412	Gmdrm	hypo	CHH	-0.0254
Gm15	8139289	8140275	Gmdrm	hypo	CHH	-0.1421

Gm15	8141647	8142615 Gmdrm	hypo	CHH	-0.0214
Gm15	8144687	8145681 Gmdrm	hypo	CHH	-0.0864
Gm15	8150852	8151817 Gmdrm	hypo	CHH	-0.0125
Gm15	8157433	8158422 Gmdrm	hypo	CHH	-0.0139
Gm15	8161855	8162847 Gmdrm	hypo	CHH	-0.0107
Gm15	8172844	8173818 Gmdrm	hypo	CHH	-0.0288
Gm15	8177932	8178899 Gmdrm	hypo	CHH	-0.02
Gm15	8192691	8193214 Gmdrm	hypo	CHH	-0.2644
Gm15	8201988	8202176 Gmdrm	hypo	CHH	-0.0343
Gm15	8202309	8203078 Gmdrm	hypo	CHH	-0.0722
Gm15	8203490	8204478 Gmdrm	hypo	CHH	-0.1677
Gm15	8209989	8210932 Gmdrm	hypo	CHH	-0.0295
Gm15	8212140	8213124 Gmdrm	hypo	CHH	-0.0291
Gm15	8213141	8214140 Gmdrm	hypo	CHH	-0.1095
Gm15	8217174	8217242 Gmdrm	hypo	CHH	-0.0466
Gm15	8218159	8219139 Gmdrm	hypo	CHH	-0.0177
Gm15	8222093	8223080 Gmdrm	hypo	CHH	-0.0302
Gm15	8225235	8226217 Gmdrm	hypo	CHH	-0.0128
Gm15	8237645	8237712 Gmdrm	hypo	CHH	-0.064
Gm15	8245051	8246023 Gmdrm	hypo	CHH	-0.0129
Gm15	8258040	8259036 Gmdrm	hypo	CHH	-0.1642
Gm15	8272548	8273274 Gmdrm	hypo	CHH	-0.0192
Gm15	8277952	8278277 Gmdrm	hypo	CHH	-0.1158
Gm15	8281335	8282313 Gmdrm	hypo	CHH	-0.1301
Gm15	8288763	8289752 Gmdrm	hypo	CHH	-0.0355
Gm15	8293313	8294304 Gmdrm	hypo	CHH	-0.0454
Gm15	8306272	8306614 Gmdrm	hypo	CHH	-0.0792
Gm15	8307762	8308742 Gmdrm	hypo	CHH	-0.0342
Gm15	8308765	8309744 Gmdrm	hypo	CHH	-0.0347
Gm15	8335522	8336521 Gmdrm	hypo	CHH	-0.0104
Gm15	8340476	8341470 Gmdrm	hypo	CHH	-0.0338
Gm15	8344513	8345506 Gmdrm	hypo	CHH	-0.1399
Gm15	8367577	8368565 Gmdrm	hypo	CHH	-0.1796
Gm15	8368599	8369572 Gmdrm	hypo	CHH	-0.1684
Gm15	8374725	8375719 Gmdrm	hypo	CHH	-0.0428
Gm15	8375730	8376727 Gmdrm	hypo	CHH	-0.0839
Gm15	8386646	8387594 Gmdrm	hypo	CHH	-0.0564
Gm15	8387674	8388672 Gmdrm	hypo	CHH	-0.0388
Gm15	8393694	8394693 Gmdrm	hypo	CHH	-0.0503
Gm15	8394701	8395699 Gmdrm	hypo	CHH	-0.0768
Gm15	8395702	8396045 Gmdrm	hypo	CHH	-0.072
Gm15	8398936	8399894 Gmdrm	hypo	CHH	-0.0199
Gm15	8401419	8402412 Gmdrm	hypo	CHH	-0.0561
Gm15	8402420	8403389 Gmdrm	hypo	CHH	-0.091
Gm15	8423154	8424143 Gmdrm	hypo	CHH	-0.0154
Gm15	8424157	8425152 Gmdrm	hypo	CHH	-0.0534

Gm15	8425160	8426153	Gmdrm	hypo	CHH	-0.0684
Gm15	8453103	8454091	Gmdrm	hypo	CHH	-0.015
Gm15	8461760	8461860	Gmdrm	hypo	CHH	-0.044
Gm15	8468722	8469718	Gmdrm	hypo	CHH	-0.04
Gm15	8472821	8473810	Gmdrm	hypo	CHH	-0.0616
Gm15	8475840	8476814	Gmdrm	hypo	CHH	-0.011
Gm15	8498595	8499576	Gmdrm	hypo	CHH	-0.0335
Gm15	8499602	8500440	Gmdrm	hypo	CHH	-0.0421
Gm15	8520039	8520556	Gmdrm	hypo	CHH	-0.1158
Gm15	8535202	8535970	Gmdrm	hypo	CHH	-0.0368
Gm15	8540240	8541221	Gmdrm	hypo	CHH	-0.1837
Gm15	8546939	8547624	Gmdrm	hypo	CHH	-0.0213
Gm15	8549061	8550055	Gmdrm	hypo	CHH	-0.0731
Gm15	8552079	8553062	Gmdrm	hypo	CHH	-0.0406
Gm15	8556811	8557048	Gmdrm	hypo	CHH	-0.0263
Gm15	8562447	8563230	Gmdrm	hypo	CHH	-0.0241
Gm15	8571807	8572776	Gmdrm	hypo	CHH	-0.0123
Gm15	8575942	8576941	Gmdrm	hypo	CHH	-0.0294
Gm15	8576949	8577942	Gmdrm	hypo	CHH	-0.0402
Gm15	8577951	8578887	Gmdrm	hypo	CHH	-0.0578
Gm15	8582474	8583472	Gmdrm	hypo	CHH	-0.0519
Gm15	8588549	8589532	Gmdrm	hypo	CHH	-0.0339
Gm15	8589553	8590550	Gmdrm	hypo	CHH	-0.0719
Gm15	8590555	8591524	Gmdrm	hypo	CHH	-0.1649
Gm15	8604159	8605143	Gmdrm	hypo	CHH	-0.02
Gm15	8606165	8607162	Gmdrm	hypo	CHH	-0.0428
Gm15	8612345	8612390	Gmdrm	hypo	CHH	-0.032
Gm15	8614103	8615103	Gmdrm	hypo	CHH	-0.0168
Gm15	8621596	8622563	Gmdrm	hypo	CHH	-0.0365
Gm15	8623869	8624815	Gmdrm	hypo	CHH	-0.0375
Gm15	8631275	8632178	Gmdrm	hypo	CHH	-0.0182
Gm15	8635481	8636480	Gmdrm	hypo	CHH	-0.0608
Gm15	8636511	8636950	Gmdrm	hypo	CHH	-0.1585
Gm15	8638583	8639578	Gmdrm	hypo	CHH	-0.0285
Gm15	8640041	8641032	Gmdrm	hypo	CHH	-0.0317
Gm15	8645528	8645988	Gmdrm	hypo	CHH	-0.0625
Gm15	8647325	8648285	Gmdrm	hypo	CHH	-0.194
Gm15	8686047	8687035	Gmdrm	hypo	CHH	-0.2005
Gm15	8694050	8694293	Gmdrm	hypo	CHH	-0.0389
Gm15	8715922	8716888	Gmdrm	hypo	CHH	-0.0417
Gm15	8718229	8719226	Gmdrm	hypo	CHH	-0.1184
Gm15	8742796	8743745	Gmdrm	hypo	CHH	-0.0354
Gm15	8746911	8747531	Gmdrm	hypo	CHH	-0.0212
Gm15	8749482	8750476	Gmdrm	hypo	CHH	-0.0627
Gm15	8750533	8751524	Gmdrm	hypo	CHH	-0.0605
Gm15	8754698	8755673	Gmdrm	hypo	CHH	-0.0925

Gm15	8762183	8763182	Gmdrm	hypo	CHH	-0.0569
Gm15	8763185	8764150	Gmdrm	hypo	CHH	-0.052
Gm15	8765119	8766086	Gmdrm	hypo	CHH	-0.0238
Gm15	8799012	8800007	Gmdrm	hypo	CHH	-0.0248
Gm15	8801024	8801995	Gmdrm	hypo	CHH	-0.0764
Gm15	8815031	8816031	Gmdrm	hypo	CHH	-0.1341
Gm15	8816032	8817024	Gmdrm	hypo	CHH	-0.0327
Gm15	8821992	8822209	Gmdrm	hypo	CHH	-0.044
Gm15	8828212	8829177	Gmdrm	hypo	CHH	-0.022
Gm15	8834130	8835116	Gmdrm	hypo	CHH	-0.0213
Gm15	8842113	8843113	Gmdrm	hypo	CHH	-0.0874
Gm15	8844366	8845337	Gmdrm	hypo	CHH	-0.0234
Gm15	8845374	8845519	Gmdrm	hypo	CHH	-0.04
Gm15	8848033	8849012	Gmdrm	hypo	CHH	-0.0119
Gm15	8872906	8873906	Gmdrm	hypo	CHH	-0.0793
Gm15	8873908	8874373	Gmdrm	hypo	CHH	-0.136
Gm15	8876608	8877607	Gmdrm	hypo	CHH	-0.072
Gm15	8877622	8878620	Gmdrm	hypo	CHH	-0.1025
Gm15	8887794	8888793	Gmdrm	hypo	CHH	-0.2644
Gm15	8895118	8896115	Gmdrm	hypo	CHH	-0.058
Gm15	8896119	8897106	Gmdrm	hypo	CHH	-0.0617
Gm15	8903426	8904418	Gmdrm	hypo	CHH	-0.065
Gm15	8904431	8905427	Gmdrm	hypo	CHH	-0.0248
Gm15	8925637	8926637	Gmdrm	hypo	CHH	-0.0136
Gm15	8932876	8933472	Gmdrm	hypo	CHH	-0.0166
Gm15	8935933	8936929	Gmdrm	hypo	CHH	-0.0192
Gm15	8953325	8954322	Gmdrm	hypo	CHH	-0.1991
Gm15	8954337	8955331	Gmdrm	hypo	CHH	-0.014
Gm15	8961859	8962793	Gmdrm	hypo	CHH	-0.036
Gm15	8963575	8964538	Gmdrm	hypo	CHH	-0.0386
Gm15	8964636	8965620	Gmdrm	hypo	CHH	-0.0261
Gm15	8965680	8966493	Gmdrm	hypo	CHH	-0.0305
Gm15	8974526	8975525	Gmdrm	hypo	CHH	-0.0421
Gm15	8977660	8977977	Gmdrm	hypo	CHH	-0.0304
Gm15	8989687	8990055	Gmdrm	hypo	CHH	-0.0576
Gm15	8990312	8990603	Gmdrm	hypo	CHH	-0.0195
Gm15	9003027	9004026	Gmdrm	hypo	CHH	-0.1064
Gm15	9006501	9007445	Gmdrm	hypo	CHH	-0.0127
Gm15	9015915	9016914	Gmdrm	hypo	CHH	-0.0699
Gm15	9021952	9022813	Gmdrm	hypo	CHH	-0.0172
Gm15	9024131	9025130	Gmdrm	hypo	CHH	-0.4075
Gm15	9025133	9026123	Gmdrm	hypo	CHH	-0.1545
Gm15	9026136	9026342	Gmdrm	hypo	CHH	-0.0783
Gm15	9027307	9028260	Gmdrm	hypo	CHH	-0.137
Gm15	9028383	9029020	Gmdrm	hypo	CHH	-0.0286
Gm15	9031289	9032286	Gmdrm	hypo	CHH	-0.0431

Gm15	9033308	9034278 Gmdrm	hypo	CHH	-0.023
Gm15	9036997	9037349 Gmdrm	hypo	CHH	-0.0306
Gm15	9071920	9072223 Gmdrm	hypo	CHH	-0.0347
Gm15	9079533	9080531 Gmdrm	hypo	CHH	-0.0138
Gm15	9090517	9091516 Gmdrm	hypo	CHH	-0.1367
Gm15	9091518	9092511 Gmdrm	hypo	CHH	-0.0676
Gm15	9107454	9108414 Gmdrm	hypo	CHH	-0.0403
Gm15	9113586	9114559 Gmdrm	hypo	CHH	-0.0153
Gm15	9130959	9131955 Gmdrm	hypo	CHH	-0.0193
Gm15	9134912	9135912 Gmdrm	hypo	CHH	-0.0615
Gm15	9139330	9140294 Gmdrm	hypo	CHH	-0.0164
Gm15	9140331	9141216 Gmdrm	hypo	CHH	-0.0471
Gm15	9145982	9146968 Gmdrm	hypo	CHH	-0.0316
Gm15	9146985	9147969 Gmdrm	hypo	CHH	-0.2469
Gm15	9149359	9150319 Gmdrm	hypo	CHH	-0.0193
Gm15	9156526	9157123 Gmdrm	hypo	CHH	-0.0172
Gm15	9162781	9162879 Gmdrm	hypo	CHH	-0.03
Gm15	9166184	9167177 Gmdrm	hypo	CHH	-0.0242
Gm15	9174323	9175307 Gmdrm	hypo	CHH	-0.0342
Gm15	9176377	9176829 Gmdrm	hypo	CHH	-0.0248
Gm15	9183819	9184241 Gmdrm	hypo	CHH	-0.0954
Gm15	9196746	9197721 Gmdrm	hypo	CHH	-0.0523
Gm15	9202758	9203750 Gmdrm	hypo	CHH	-0.1202
Gm15	9203783	9204758 Gmdrm	hypo	CHH	-0.0694
Gm15	9213058	9214036 Gmdrm	hypo	CHH	-0.0192
Gm15	9223748	9224747 Gmdrm	hypo	CHH	-0.016
Gm15	9224751	9225389 Gmdrm	hypo	CHH	-0.1256
Gm15	9226080	9226890 Gmdrm	hypo	CHH	-0.306
Gm15	9227227	9228179 Gmdrm	hypo	CHH	-0.1558
Gm15	9248004	9249003 Gmdrm	hypo	CHH	-0.0379
Gm15	9253031	9253997 Gmdrm	hypo	CHH	-0.0178
Gm15	9254033	9255033 Gmdrm	hypo	CHH	-0.0351
Gm15	9264097	9265097 Gmdrm	hypo	CHH	-0.0117
Gm15	9275838	9276832 Gmdrm	hypo	CHH	-0.2029
Gm15	9276840	9277837 Gmdrm	hypo	CHH	-0.0411
Gm15	9282299	9283293 Gmdrm	hypo	CHH	-0.0436
Gm15	9283325	9284316 Gmdrm	hypo	CHH	-0.0363
Gm15	9295065	9295883 Gmdrm	hypo	CHH	-0.0276
Gm15	9307407	9307890 Gmdrm	hypo	CHH	-0.0217
Gm15	9333106	9334105 Gmdrm	hypo	CHH	-0.0489
Gm15	9339834	9340636 Gmdrm	hypo	CHH	-0.0238
Gm15	9340986	9341970 Gmdrm	hypo	CHH	-0.0635
Gm15	9347945	9348922 Gmdrm	hypo	CHH	-0.1698
Gm15	9382144	9383144 Gmdrm	hypo	CHH	-0.1185
Gm15	9383149	9383516 Gmdrm	hypo	CHH	-0.0503
Gm15	9383877	9384124 Gmdrm	hypo	CHH	-0.2353

Gm15	9384366	9385364	Gmdrm	hypo	CHH	-0.0495
Gm15	9388013	9388381	Gmdrm	hypo	CHH	-0.1376
Gm15	9388868	9389689	Gmdrm	hypo	CHH	-0.0508
Gm15	9396446	9396974	Gmdrm	hypo	CHH	-0.1118
Gm15	9411787	9411882	Gmdrm	hypo	CHH	-0.05
Gm15	9412262	9413224	Gmdrm	hypo	CHH	-0.0554
Gm15	9413354	9414342	Gmdrm	hypo	CHH	-0.0318
Gm15	9419258	9420222	Gmdrm	hypo	CHH	-0.02
Gm15	9421917	9422796	Gmdrm	hypo	CHH	-0.0208
Gm15	9423315	9423544	Gmdrm	hypo	CHH	-0.017
Gm15	9427737	9428700	Gmdrm	hypo	CHH	-0.013
Gm15	9436452	9437412	Gmdrm	hypo	CHH	-0.0866
Gm15	9445828	9446819	Gmdrm	hypo	CHH	-0.0421
Gm15	9446837	9447817	Gmdrm	hypo	CHH	-0.0242
Gm15	9451640	9452636	Gmdrm	hypo	CHH	-0.0113
Gm15	9462241	9463236	Gmdrm	hypo	CHH	-0.0448
Gm15	9482362	9483315	Gmdrm	hypo	CHH	-0.033
Gm15	9490740	9490854	Gmdrm	hypo	CHH	-0.0367
Gm15	9494610	9495593	Gmdrm	hypo	CHH	-0.0378
Gm15	9497644	9498629	Gmdrm	hypo	CHH	-0.014
Gm15	9499697	9500673	Gmdrm	hypo	CHH	-0.0141
Gm15	9509076	9510069	Gmdrm	hypo	CHH	-0.0148
Gm15	9510093	9511082	Gmdrm	hypo	CHH	-0.0179
Gm15	9513146	9514140	Gmdrm	hypo	CHH	-0.0187
Gm15	9515128	9515615	Gmdrm	hypo	CHH	-0.0439
Gm15	9530534	9530582	Gmdrm	hypo	CHH	-0.046
Gm15	9533952	9534929	Gmdrm	hypo	CHH	-0.0148
Gm15	9542721	9543707	Gmdrm	hypo	CHH	-0.2587
Gm15	9552766	9553358	Gmdrm	hypo	CHH	-0.4244
Gm15	9568086	9569086	Gmdrm	hypo	CHH	-0.0903
Gm15	9577418	9578392	Gmdrm	hypo	CHH	-0.0253
Gm15	9584522	9585522	Gmdrm	hypo	CHH	-0.0213
Gm15	9601815	9602804	Gmdrm	hypo	CHH	-0.0396
Gm15	9606990	9607903	Gmdrm	hypo	CHH	-0.0305
Gm15	9611993	9612991	Gmdrm	hypo	CHH	-0.0249
Gm15	9614020	9615005	Gmdrm	hypo	CHH	-0.2002
Gm15	9616144	9617102	Gmdrm	hypo	CHH	-0.1294
Gm15	9625266	9626252	Gmdrm	hypo	CHH	-0.0251
Gm15	9629291	9630286	Gmdrm	hypo	CHH	-0.0918
Gm15	9632770	9633761	Gmdrm	hypo	CHH	-0.1177
Gm15	9634806	9635002	Gmdrm	hypo	CHH	-0.0406
Gm15	9645520	9646491	Gmdrm	hypo	CHH	-0.0487
Gm15	9646545	9647544	Gmdrm	hypo	CHH	-0.058
Gm15	9656721	9657712	Gmdrm	hypo	CHH	-0.0186
Gm15	9674049	9674925	Gmdrm	hypo	CHH	-0.0947
Gm15	9680020	9680999	Gmdrm	hypo	CHH	-0.0271

Gm15	9684026	9685022	Gmdrm	hypo	CHH	-0.1521
Gm15	9686037	9687012	Gmdrm	hypo	CHH	-0.0465
Gm15	9693947	9694289	Gmdrm	hypo	CHH	-0.0383
Gm15	9702563	9703549	Gmdrm	hypo	CHH	-0.0474
Gm15	9704249	9705236	Gmdrm	hypo	CHH	-0.0244
Gm15	9707197	9708196	Gmdrm	hypo	CHH	-0.0834
Gm15	9710219	9711219	Gmdrm	hypo	CHH	-0.064
Gm15	9711231	9712223	Gmdrm	hypo	CHH	-0.0518
Gm15	9713234	9714229	Gmdrm	hypo	CHH	-0.0281
Gm15	9716275	9717264	Gmdrm	hypo	CHH	-0.0728
Gm15	9729349	9729514	Gmdrm	hypo	CHH	-0.0645
Gm15	9737245	9738235	Gmdrm	hypo	CHH	-0.0266
Gm15	9741306	9742203	Gmdrm	hypo	CHH	-0.0211
Gm15	9744593	9745588	Gmdrm	hypo	CHH	-0.1085
Gm15	9745621	9746610	Gmdrm	hypo	CHH	-0.0666
Gm15	9751967	9752967	Gmdrm	hypo	CHH	-0.0259
Gm15	9754223	9754912	Gmdrm	hypo	CHH	-0.0859
Gm15	9757313	9758310	Gmdrm	hypo	CHH	-0.1127
Gm15	9758316	9758350	Gmdrm	hypo	CHH	-0.0572
Gm15	9768645	9769641	Gmdrm	hypo	CHH	-0.1154
Gm15	9769656	9770637	Gmdrm	hypo	CHH	-0.0206
Gm15	9771604	9772600	Gmdrm	hypo	CHH	-0.0102
Gm15	9772607	9773587	Gmdrm	hypo	CHH	-0.0155
Gm15	9779707	9780703	Gmdrm	hypo	CHH	-0.017
Gm15	9780712	9781709	Gmdrm	hypo	CHH	-0.0222
Gm15	9781721	9782721	Gmdrm	hypo	CHH	-0.109
Gm15	9785881	9785932	Gmdrm	hypo	CHH	-0.095
Gm15	9806711	9807687	Gmdrm	hypo	CHH	-0.0406
Gm15	9816944	9817939	Gmdrm	hypo	CHH	-0.0601
Gm15	9817948	9818447	Gmdrm	hypo	CHH	-0.0234
Gm15	9819870	9820863	Gmdrm	hypo	CHH	-0.041
Gm15	9820881	9821880	Gmdrm	hypo	CHH	-0.0779
Gm15	9821883	9822873	Gmdrm	hypo	CHH	-0.0587
Gm15	9829164	9830151	Gmdrm	hypo	CHH	-0.0157
Gm15	9834387	9835377	Gmdrm	hypo	CHH	-0.1136
Gm15	9835423	9836422	Gmdrm	hypo	CHH	-0.0149
Gm15	9839537	9839571	Gmdrm	hypo	CHH	-0.0983
Gm15	9841366	9842366	Gmdrm	hypo	CHH	-0.2006
Gm15	9842376	9843350	Gmdrm	hypo	CHH	-0.2293
Gm15	9843388	9844378	Gmdrm	hypo	CHH	-0.0234
Gm15	9854112	9855108	Gmdrm	hypo	CHH	-0.057
Gm15	9855114	9856113	Gmdrm	hypo	CHH	-0.1638
Gm15	9856117	9856273	Gmdrm	hypo	CHH	-0.0777
Gm15	9862159	9863157	Gmdrm	hypo	CHH	-0.0275
Gm15	9868070	9869068	Gmdrm	hypo	CHH	-0.0159
Gm15	9870230	9871228	Gmdrm	hypo	CHH	-0.2392

Gm15	9871280	9871772 Gmdrm	hypo	CHH	-0.0503
Gm15	9874940	9875920 Gmdrm	hypo	CHH	-0.0749
Gm15	9890761	9891092 Gmdrm	hypo	CHH	-0.0157
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Gm15	9904847	9905701 Gmdrm	hypo	CHH	-0.0141
Gm15	9908784	9909779 Gmdrm	hypo	CHH	-0.014
Gm15	9914622	9915602 Gmdrm	hypo	CHH	-0.0191
Gm15	9934675	9935671 Gmdrm	hypo	CHH	-0.0089
Gm15	9944988	9945984 Gmdrm	hypo	CHH	-0.1148
Gm15	9948018	9949016 Gmdrm	hypo	CHH	-0.0253
Gm15	9958261	9959246 Gmdrm	hypo	CHH	-0.0332
Gm15	9962922	9963896 Gmdrm	hypo	CHH	-0.0242
Gm15	9969153	9970100 Gmdrm	hypo	CHH	-0.0135
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Gm15	9981585	9982585 Gmdrm	hypo	CHH	-0.1294
Gm15	9988832	9989827 Gmdrm	hypo	CHH	-0.2245
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Gm15	9998041	9999036 Gmdrm	hypo	CHH	-0.0935
Gm15	10009269	10010245 Gmdrm	hypo	CHH	-0.0142
Gm15	10016809	10017809 Gmdrm	hypo	CHH	-0.0553
Gm15	10018845	10019816 Gmdrm	hypo	CHH	-0.0178
Gm15	10019920	10020732 Gmdrm	hypo	CHH	-0.2894
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Gm15	10025910	10026908 Gmdrm	hypo	CHH	-0.039
Gm15	10027914	10028913 Gmdrm	hypo	CHH	-0.0653
Gm15	10029273	10030266 Gmdrm	hypo	CHH	-0.104
Gm15	10030274	10031267 Gmdrm	hypo	CHH	-0.1126
Gm15	10043338	10044336 Gmdrm	hypo	CHH	-0.0458
Gm15	10044340	10045309 Gmdrm	hypo	CHH	-0.1023
Gm15	10050193	10050883 Gmdrm	hypo	CHH	-0.036
Gm15	10060447	10061379 Gmdrm	hypo	CHH	-0.02
Gm15	10062481	10062634 Gmdrm	hypo	CHH	-0.051
Gm15	10064294	10065285 Gmdrm	hypo	CHH	-0.1612
Gm15	10070588	10071586 Gmdrm	hypo	CHH	-0.0578
Gm15	10071597	10072409 Gmdrm	hypo	CHH	-0.0882
Gm15	10072564	10073510 Gmdrm	hypo	CHH	-0.0683
Gm15	10074595	10075302 Gmdrm	hypo	CHH	-0.1225
Gm15	10076933	10077901 Gmdrm	hypo	CHH	-0.0146
Gm15	10078939	10079885 Gmdrm	hypo	CHH	-0.0249
Gm15	10084719	10085707 Gmdrm	hypo	CHH	-0.1313
Gm15	10085726	10086720 Gmdrm	hypo	CHH	-0.1925
Gm15	10087571	10088506 Gmdrm	hypo	CHH	-0.4071
Gm15	10089371	10089820 Gmdrm	hypo	CHH	-0.0304
Gm15	10100305	10101304 Gmdrm	hypo	CHH	-0.0497
Gm15	10101307	10102302 Gmdrm	hypo	CHH	-0.0597

Gm15	10116586	10116961 Gmdrm	hypo	CHH	-0.0513
Gm15	10117075	10118068 Gmdrm	hypo	CHH	-0.0794
Gm15	10127255	10128245 Gmdrm	hypo	CHH	-0.0149
Gm15	10147606	10148602 Gmdrm	hypo	CHH	-0.0128
Gm15	10152179	10153009 Gmdrm	hypo	CHH	-0.0328
Gm15	10155446	10156425 Gmdrm	hypo	CHH	-0.0692
Gm15	10156461	10157461 Gmdrm	hypo	CHH	-0.2079
Gm15	10159358	10160358 Gmdrm	hypo	CHH	-0.1467
Gm15	10160363	10161362 Gmdrm	hypo	CHH	-0.089
Gm15	10161370	10161902 Gmdrm	hypo	CHH	-0.2435
Gm15	10166514	10167478 Gmdrm	hypo	CHH	-0.2001
Gm15	10170049	10171036 Gmdrm	hypo	CHH	-0.037
Gm15	10171077	10172074 Gmdrm	hypo	CHH	-0.0299
Gm15	10172080	10173023 Gmdrm	hypo	CHH	-0.04
Gm15	10179656	10180656 Gmdrm	hypo	CHH	-0.1655
Gm15	10180658	10181005 Gmdrm	hypo	CHH	-0.0915
Gm15	10181696	10182663 Gmdrm	hypo	CHH	-0.0428
Gm15	10199522	10200513 Gmdrm	hypo	CHH	-0.0157
Gm15	10200540	10201520 Gmdrm	hypo	CHH	-0.037
Gm15	10210100	10211100 Gmdrm	hypo	CHH	-0.0945
Gm15	10211102	10212092 Gmdrm	hypo	CHH	-0.0838
Gm15	10221589	10222552 Gmdrm	hypo	CHH	-0.0625
Gm15	10228395	10229257 Gmdrm	hypo	CHH	-0.0206
Gm15	10238087	10238379 Gmdrm	hypo	CHH	-0.028
Gm15	10245403	10246403 Gmdrm	hypo	CHH	-0.0273
Gm15	10262175	10263146 Gmdrm	hypo	CHH	-0.0516
Gm15	10267994	10268994 Gmdrm	hypo	CHH	-0.0696
Gm15	10290369	10291367 Gmdrm	hypo	CHH	-0.0429
Gm15	10312569	10313557 Gmdrm	hypo	CHH	-0.0136
Gm15	10314609	10315606 Gmdrm	hypo	CHH	-0.015
Gm15	10318658	10319619 Gmdrm	hypo	CHH	-0.0459
Gm15	10334619	10335586 Gmdrm	hypo	CHH	-0.0186
Gm15	10337958	10338632 Gmdrm	hypo	CHH	-0.3291
Gm15	10351691	10352686 Gmdrm	hypo	CHH	-0.012
Gm15	10353729	10354714 Gmdrm	hypo	CHH	-0.013
Gm15	10354733	10355729 Gmdrm	hypo	CHH	-0.0525
Gm15	10355766	10356331 Gmdrm	hypo	CHH	-0.0525
Gm15	10361049	10361996 Gmdrm	hypo	CHH	-0.0482
Gm15	10362057	10363047 Gmdrm	hypo	CHH	-0.0542
Gm15	10363059	10364051 Gmdrm	hypo	CHH	-0.0417
Gm15	10364062	10365060 Gmdrm	hypo	CHH	-0.091
Gm15	10366209	10367204 Gmdrm	hypo	CHH	-0.1676
Gm15	10367211	10368180 Gmdrm	hypo	CHH	-0.0622
Gm15	10371751	10372481 Gmdrm	hypo	CHH	-0.0192
Gm15	10372877	10373873 Gmdrm	hypo	CHH	-0.0196
Gm15	10381160	10382138 Gmdrm	hypo	CHH	-0.0393

Gm15	10383191	10384173	Gmdrm	hypo	CHH	-0.0108
Gm15	10384222	10385213	Gmdrm	hypo	CHH	-0.0444
Gm15	10385228	10386227	Gmdrm	hypo	CHH	-0.0226
Gm15	10418243	10419222	Gmdrm	hypo	CHH	-0.0316
Gm15	10419255	10420244	Gmdrm	hypo	CHH	-0.0968
Gm15	10422717	10423713	Gmdrm	hypo	CHH	-0.0729
Gm15	10424707	10425653	Gmdrm	hypo	CHH	-0.0222
Gm15	10426775	10427765	Gmdrm	hypo	CHH	-0.2104
Gm15	10428795	10429791	Gmdrm	hypo	CHH	-0.0126
Gm15	10432387	10433386	Gmdrm	hypo	CHH	-0.022
Gm15	10447429	10448408	Gmdrm	hypo	CHH	-0.2907
Gm15	10461804	10462799	Gmdrm	hypo	CHH	-0.0185
Gm15	10474070	10475066	Gmdrm	hypo	CHH	-0.02
Gm15	10488631	10488753	Gmdrm	hypo	CHH	-0.07
Gm15	10492140	10492673	Gmdrm	hypo	CHH	-0.0314
Gm15	10497562	10498519	Gmdrm	hypo	CHH	-0.0235
Gm15	10500193	10501182	Gmdrm	hypo	CHH	-0.0422
Gm15	10501206	10502188	Gmdrm	hypo	CHH	-0.0251
Gm15	10502207	10503152	Gmdrm	hypo	CHH	-0.0158
Gm15	10533989	10534984	Gmdrm	hypo	CHH	-0.0421
Gm15	10535997	10536992	Gmdrm	hypo	CHH	-0.0801
Gm15	10536998	10537965	Gmdrm	hypo	CHH	-0.1075
Gm15	10540022	10540964	Gmdrm	hypo	CHH	-0.0161
Gm15	10541035	10542020	Gmdrm	hypo	CHH	-0.0455
Gm15	10547503	10548481	Gmdrm	hypo	CHH	-0.0189
Gm15	10554659	10555659	Gmdrm	hypo	CHH	-0.2523
Gm15	10555667	10556667	Gmdrm	hypo	CHH	-0.0873
Gm15	10557681	10558651	Gmdrm	hypo	CHH	-0.0148
Gm15	10558686	10559663	Gmdrm	hypo	CHH	-0.1029
Gm15	10560715	10561709	Gmdrm	hypo	CHH	-0.0227
Gm15	10564454	10565200	Gmdrm	hypo	CHH	-0.0134
Gm15	10569646	10570474	Gmdrm	hypo	CHH	-0.0168
Gm15	10575669	10576667	Gmdrm	hypo	CHH	-0.0203
Gm15	10576685	10577683	Gmdrm	hypo	CHH	-0.1169
Gm15	10577688	10578200	Gmdrm	hypo	CHH	-0.1337
Gm15	10578804	10579804	Gmdrm	hypo	CHH	-0.1058
Gm15	10579806	10580800	Gmdrm	hypo	CHH	-0.0676
Gm15	10584469	10585116	Gmdrm	hypo	CHH	-0.026
Gm15	10588306	10589302	Gmdrm	hypo	CHH	-0.0089
Gm15	10613641	10614638	Gmdrm	hypo	CHH	-0.0387
Gm15	10624288	10625287	Gmdrm	hypo	CHH	-0.0279
Gm15	10629568	10630178	Gmdrm	hypo	CHH	-0.0242
Gm15	10636721	10637693	Gmdrm	hypo	CHH	-0.0285
Gm15	10656038	10656114	Gmdrm	hypo	CHH	-0.0688
Gm15	10673799	10674797	Gmdrm	hypo	CHH	-0.0382
Gm15	10688688	10689685	Gmdrm	hypo	CHH	-0.0215

Gm15	10692991	10693903	Gmdrm	hypo	CHH	-0.022
Gm15	10700016	10701003	Gmdrm	hypo	CHH	-0.2874
Gm15	10705592	10706588	Gmdrm	hypo	CHH	-0.0672
Gm15	10706608	10707606	Gmdrm	hypo	CHH	-0.0873
Gm15	10714423	10714705	Gmdrm	hypo	CHH	-0.0565
Gm15	10722825	10723796	Gmdrm	hypo	CHH	-0.0122
Gm15	10725950	10726894	Gmdrm	hypo	CHH	-0.0107
Gm15	10727388	10728387	Gmdrm	hypo	CHH	-0.0338
Gm15	10728715	10729713	Gmdrm	hypo	CHH	-0.0621
Gm15	10729716	10730695	Gmdrm	hypo	CHH	-0.2223
Gm15	10733782	10734781	Gmdrm	hypo	CHH	-0.0128
Gm15	10736826	10737810	Gmdrm	hypo	CHH	-0.014
Gm15	10737838	10738813	Gmdrm	hypo	CHH	-0.0226
Gm15	10742224	10743097	Gmdrm	hypo	CHH	-0.025
Gm15	10764973	10765962	Gmdrm	hypo	CHH	-0.0175
Gm15	10766167	10767164	Gmdrm	hypo	CHH	-0.0462
Gm15	10768194	10768525	Gmdrm	hypo	CHH	-0.0531
Gm15	10768663	10769635	Gmdrm	hypo	CHH	-0.0132
Gm15	10777505	10778475	Gmdrm	hypo	CHH	-0.0135
Gm15	10779584	10780577	Gmdrm	hypo	CHH	-0.0338
Gm15	10780590	10781551	Gmdrm	hypo	CHH	-0.0277
Gm15	10791378	10792371	Gmdrm	hypo	CHH	-0.0262
Gm15	10800299	10801291	Gmdrm	hypo	CHH	-0.0646
Gm15	10801301	10802300	Gmdrm	hypo	CHH	-0.0404
Gm15	10802311	10803311	Gmdrm	hypo	CHH	-0.0836
Gm15	10809837	10810831	Gmdrm	hypo	CHH	-0.0636
Gm15	10811966	10812949	Gmdrm	hypo	CHH	-0.0377
Gm15	10812971	10813971	Gmdrm	hypo	CHH	-0.0716
Gm15	10821427	10822426	Gmdrm	hypo	CHH	-0.0694
Gm15	10822491	10823367	Gmdrm	hypo	CHH	-0.0707
Gm15	10824504	10825475	Gmdrm	hypo	CHH	-0.0307
Gm15	10830413	10831411	Gmdrm	hypo	CHH	-0.077
Gm15	10831415	10832414	Gmdrm	hypo	CHH	-0.0213
Gm15	10832424	10833306	Gmdrm	hypo	CHH	-0.085
Gm15	10836906	10837623	Gmdrm	hypo	CHH	-0.0248
Gm15	10841186	10842175	Gmdrm	hypo	CHH	-0.0185
Gm15	10842204	10843204	Gmdrm	hypo	CHH	-0.062
Gm15	10846503	10847493	Gmdrm	hypo	CHH	-0.0973
Gm15	10847522	10848521	Gmdrm	hypo	CHH	-0.0428
Gm15	10848527	10849520	Gmdrm	hypo	CHH	-0.0467
Gm15	10850570	10851545	Gmdrm	hypo	CHH	-0.0334
Gm15	10854434	10855417	Gmdrm	hypo	CHH	-0.0115
Gm15	10856452	10856947	Gmdrm	hypo	CHH	-0.0257
Gm15	10858073	10859061	Gmdrm	hypo	CHH	-0.0264
Gm15	10862143	10863141	Gmdrm	hypo	CHH	-0.0981
Gm15	10865160	10866152	Gmdrm	hypo	CHH	-0.0316

Gm15	10873547	10874512	Gmdrm	hypo	CHH	-0.0188
Gm15	10878647	10879631	Gmdrm	hypo	CHH	-0.0562
Gm15	10882646	10883588	Gmdrm	hypo	CHH	-0.0288
Gm15	10886724	10887702	Gmdrm	hypo	CHH	-0.0219
Gm15	10890253	10891249	Gmdrm	hypo	CHH	-0.029
Gm15	10891258	10892248	Gmdrm	hypo	CHH	-0.0195
Gm15	10892275	10893264	Gmdrm	hypo	CHH	-0.0295
Gm15	10893279	10894278	Gmdrm	hypo	CHH	-0.036
Gm15	10895269	10896262	Gmdrm	hypo	CHH	-0.1325
Gm15	10903976	10904972	Gmdrm	hypo	CHH	-0.0389
Gm15	10904977	10905959	Gmdrm	hypo	CHH	-0.0239
Gm15	10905980	10906962	Gmdrm	hypo	CHH	-0.0519
Gm15	10908012	10909003	Gmdrm	hypo	CHH	-0.0171
Gm15	10909023	10909172	Gmdrm	hypo	CHH	-0.14
Gm15	10909273	10910254	Gmdrm	hypo	CHH	-0.1588
Gm15	10912323	10912650	Gmdrm	hypo	CHH	-0.0308
Gm15	10938691	10939678	Gmdrm	hypo	CHH	-0.0446
Gm15	10940703	10941673	Gmdrm	hypo	CHH	-0.0119
Gm15	10980916	10981871	Gmdrm	hypo	CHH	-0.0167
Gm15	10986718	10986875	Gmdrm	hypo	CHH	-0.0925
Gm15	11000874	11001840	Gmdrm	hypo	CHH	-0.0177
Gm15	11019196	11020193	Gmdrm	hypo	CHH	-0.0229
Gm15	11023296	11024269	Gmdrm	hypo	CHH	-0.1124
Gm15	11037855	11038851	Gmdrm	hypo	CHH	-0.0549
Gm15	11038867	11039413	Gmdrm	hypo	CHH	-0.1818
Gm15	11039599	11039741	Gmdrm	hypo	CHH	-0.0937
Gm15	11039874	11040845	Gmdrm	hypo	CHH	-0.1381
Gm15	11040887	11041881	Gmdrm	hypo	CHH	-0.0476
Gm15	11048339	11049335	Gmdrm	hypo	CHH	-0.0753
Gm15	11059143	11060136	Gmdrm	hypo	CHH	-0.0668
Gm15	11064004	11064600	Gmdrm	hypo	CHH	-0.1522
Gm15	11084364	11085364	Gmdrm	hypo	CHH	-0.016
Gm15	11086512	11087511	Gmdrm	hypo	CHH	-0.036
Gm15	11095360	11095650	Gmdrm	hypo	CHH	-0.1414
Gm15	11163401	11164389	Gmdrm	hypo	CHH	-0.0106
Gm15	11173169	11174163	Gmdrm	hypo	CHH	-0.0257
Gm15	11174187	11175183	Gmdrm	hypo	CHH	-0.0276
Gm15	11178511	11179461	Gmdrm	hypo	CHH	-0.0468
Gm15	11185778	11186774	Gmdrm	hypo	CHH	-0.0355
Gm15	11186786	11187784	Gmdrm	hypo	CHH	-0.0898
Gm15	11187792	11188766	Gmdrm	hypo	CHH	-0.0651
Gm15	11203764	11204749	Gmdrm	hypo	CHH	-0.0809
Gm15	11243852	11244764	Gmdrm	hypo	CHH	-0.0582
Gm15	11246635	11247553	Gmdrm	hypo	CHH	-0.0198
Gm15	11252067	11253064	Gmdrm	hypo	CHH	-0.0653
Gm15	11253068	11253308	Gmdrm	hypo	CHH	-0.0804

Gm15	11259567	11260552	Gmdrm	hypo	CHH	-0.3156
Gm15	11262094	11263073	Gmdrm	hypo	CHH	-0.0261
Gm15	11272301	11272764	Gmdrm	hypo	CHH	-0.0232
Gm15	11278670	11279663	Gmdrm	hypo	CHH	-0.0548
Gm15	11295341	11296329	Gmdrm	hypo	CHH	-0.0161
Gm15	11302805	11303568	Gmdrm	hypo	CHH	-0.0772
Gm15	11309845	11310317	Gmdrm	hypo	CHH	-0.0197
Gm15	11317984	11318982	Gmdrm	hypo	CHH	-0.0228
Gm15	11325620	11326615	Gmdrm	hypo	CHH	-0.0353
Gm15	11328670	11329144	Gmdrm	hypo	CHH	-0.0267
Gm15	11329987	11330986	Gmdrm	hypo	CHH	-0.0815
Gm15	11330991	11331985	Gmdrm	hypo	CHH	-0.1367
Gm15	11334021	11335020	Gmdrm	hypo	CHH	-0.0585
Gm15	11335023	11336023	Gmdrm	hypo	CHH	-0.0975
Gm15	11336038	11337038	Gmdrm	hypo	CHH	-0.0157
Gm15	11350127	11351123	Gmdrm	hypo	CHH	-0.0572
Gm15	11359617	11360611	Gmdrm	hypo	CHH	-0.0202
Gm15	11362893	11363891	Gmdrm	hypo	CHH	-0.0956
Gm15	11366908	11367904	Gmdrm	hypo	CHH	-0.0591
Gm15	11373872	11373960	Gmdrm	hypo	CHH	-0.066
Gm15	11380068	11380357	Gmdrm	hypo	CHH	-0.0967
Gm15	11396407	11396709	Gmdrm	hypo	CHH	-0.0815
Gm15	11396954	11397946	Gmdrm	hypo	CHH	-0.0425
Gm15	11401957	11402747	Gmdrm	hypo	CHH	-0.1157
Gm15	11409501	11410500	Gmdrm	hypo	CHH	-0.0253
Gm15	11414480	11415478	Gmdrm	hypo	CHH	-0.0333
Gm15	11418950	11419939	Gmdrm	hypo	CHH	-0.0138
Gm15	11427224	11428181	Gmdrm	hypo	CHH	-0.0176
Gm15	11429015	11429964	Gmdrm	hypo	CHH	-0.0214
Gm15	11435802	11436802	Gmdrm	hypo	CHH	-0.1026
Gm15	11451628	11452390	Gmdrm	hypo	CHH	-0.1667
Gm15	11472525	11473516	Gmdrm	hypo	CHH	-0.0161
Gm15	11476591	11477575	Gmdrm	hypo	CHH	-0.0722
Gm15	11477592	11478571	Gmdrm	hypo	CHH	-0.0509
Gm15	11478593	11479593	Gmdrm	hypo	CHH	-0.0905
Gm15	11481741	11482738	Gmdrm	hypo	CHH	-0.07
Gm15	11482744	11483742	Gmdrm	hypo	CHH	-0.1027
Gm15	11483746	11484728	Gmdrm	hypo	CHH	-0.1203
Gm15	11490060	11491055	Gmdrm	hypo	CHH	-0.0333
Gm15	11496748	11497742	Gmdrm	hypo	CHH	-0.0265
Gm15	11498793	11499792	Gmdrm	hypo	CHH	-0.1627
Gm15	11499803	11500797	Gmdrm	hypo	CHH	-0.0991
Gm15	11500823	11501821	Gmdrm	hypo	CHH	-0.1569
Gm15	11512372	11513347	Gmdrm	hypo	CHH	-0.0479
Gm15	11514982	11515982	Gmdrm	hypo	CHH	-0.0448
Gm15	11515985	11516962	Gmdrm	hypo	CHH	-0.1027

Gm15	11517007	11518003	Gmdrm	hypo	CHH	-0.0182
Gm15	11525870	11526577	Gmdrm	hypo	CHH	-0.0162
Gm15	11529915	11530081	Gmdrm	hypo	CHH	-0.056
Gm15	11535488	11535813	Gmdrm	hypo	CHH	-0.028
Gm15	11542328	11542690	Gmdrm	hypo	CHH	-0.0354
Gm15	11552125	11553124	Gmdrm	hypo	CHH	-0.0803
Gm15	11553129	11554118	Gmdrm	hypo	CHH	-0.0542
Gm15	11561447	11562438	Gmdrm	hypo	CHH	-0.0827
Gm15	11562460	11562633	Gmdrm	hypo	CHH	-0.0877
Gm15	11562868	11563460	Gmdrm	hypo	CHH	-0.0183
Gm15	11564622	11565606	Gmdrm	hypo	CHH	-0.0295
Gm15	11572955	11573955	Gmdrm	hypo	CHH	-0.0784
Gm15	11573957	11574817	Gmdrm	hypo	CHH	-0.0186
Gm15	11580928	11581928	Gmdrm	hypo	CHH	-0.1929
Gm15	11588403	11589370	Gmdrm	hypo	CHH	-0.0681
Gm15	11589838	11590089	Gmdrm	hypo	CHH	-0.0312
Gm15	11595751	11596114	Gmdrm	hypo	CHH	-0.0212
Gm15	11597897	11598897	Gmdrm	hypo	CHH	-0.0231
Gm15	11598919	11599862	Gmdrm	hypo	CHH	-0.0455
Gm15	11604097	11605013	Gmdrm	hypo	CHH	-0.0272
Gm15	11605105	11606103	Gmdrm	hypo	CHH	-0.1154
Gm15	11606106	11607069	Gmdrm	hypo	CHH	-0.0399
Gm15	11608128	11608945	Gmdrm	hypo	CHH	-0.0244
Gm15	11611791	11612791	Gmdrm	hypo	CHH	-0.071
Gm15	11634060	11635060	Gmdrm	hypo	CHH	-0.1836
Gm15	11637987	11638933	Gmdrm	hypo	CHH	-0.0484
Gm15	11640011	11641003	Gmdrm	hypo	CHH	-0.0179
Gm15	11649442	11650370	Gmdrm	hypo	CHH	-0.019
Gm15	11653034	11653719	Gmdrm	hypo	CHH	-0.0689
Gm15	11653936	11654932	Gmdrm	hypo	CHH	-0.0679
Gm15	11655961	11656959	Gmdrm	hypo	CHH	-0.0281
Gm15	11656963	11657957	Gmdrm	hypo	CHH	-0.0719
Gm15	11657973	11658971	Gmdrm	hypo	CHH	-0.054
Gm15	11658984	11659817	Gmdrm	hypo	CHH	-0.2114
Gm15	11675685	11676683	Gmdrm	hypo	CHH	-0.1025
Gm15	11681888	11682885	Gmdrm	hypo	CHH	-0.0252
Gm15	11685411	11686408	Gmdrm	hypo	CHH	-0.0758
Gm15	11686416	11687416	Gmdrm	hypo	CHH	-0.1321
Gm15	11696124	11697102	Gmdrm	hypo	CHH	-0.1672
Gm15	11697820	11698777	Gmdrm	hypo	CHH	-0.1802
Gm15	11709497	11710496	Gmdrm	hypo	CHH	-0.0188
Gm15	11744257	11745206	Gmdrm	hypo	CHH	-0.042
Gm15	11745303	11746291	Gmdrm	hypo	CHH	-0.0174
Gm15	11746305	11747302	Gmdrm	hypo	CHH	-0.079
Gm15	11749639	11750614	Gmdrm	hypo	CHH	-0.0293
Gm15	11767768	11768760	Gmdrm	hypo	CHH	-0.018

Gm15	11769771	11770769	Gmdrm	hypo	CHH	-0.0817
Gm15	11770773	11771771	Gmdrm	hypo	CHH	-0.1679
Gm15	11777773	11778750	Gmdrm	hypo	CHH	-0.0275
Gm15	11778783	11779760	Gmdrm	hypo	CHH	-0.0264
Gm15	11779784	11780781	Gmdrm	hypo	CHH	-0.0128
Gm15	11786684	11787682	Gmdrm	hypo	CHH	-0.0778
Gm15	11788693	11789677	Gmdrm	hypo	CHH	-0.0371
Gm15	11801337	11802331	Gmdrm	hypo	CHH	-0.0186
Gm15	11810594	11811580	Gmdrm	hypo	CHH	-0.2325
Gm15	11819775	11820660	Gmdrm	hypo	CHH	-0.2764
Gm15	11826414	11827399	Gmdrm	hypo	CHH	-0.0855
Gm15	11828692	11829687	Gmdrm	hypo	CHH	-0.1468
Gm15	11829700	11830693	Gmdrm	hypo	CHH	-0.1015
Gm15	11830717	11831715	Gmdrm	hypo	CHH	-0.0132
Gm15	11832418	11833410	Gmdrm	hypo	CHH	-0.0128
Gm15	11833428	11834000	Gmdrm	hypo	CHH	-0.0419
Gm15	11844931	11845926	Gmdrm	hypo	CHH	-0.0758
Gm15	11845934	11846913	Gmdrm	hypo	CHH	-0.1087
Gm15	11853235	11854232	Gmdrm	hypo	CHH	-0.1548
Gm15	11854244	11855183	Gmdrm	hypo	CHH	-0.165
Gm15	11859489	11860446	Gmdrm	hypo	CHH	-0.0378
Gm15	11863296	11863426	Gmdrm	hypo	CHH	-0.0418
Gm15	11863546	11864535	Gmdrm	hypo	CHH	-0.0276
Gm15	11864561	11865561	Gmdrm	hypo	CHH	-0.0351
Gm15	11867592	11868572	Gmdrm	hypo	CHH	-0.0205
Gm15	11868902	11869900	Gmdrm	hypo	CHH	-0.0171
Gm15	11876145	11877133	Gmdrm	hypo	CHH	-0.0318
Gm15	11877147	11878144	Gmdrm	hypo	CHH	-0.0749
Gm15	11896451	11896630	Gmdrm	hypo	CHH	-0.068
Gm15	11899760	11899967	Gmdrm	hypo	CHH	-0.0205
Gm15	11900093	11901092	Gmdrm	hypo	CHH	-0.0544
Gm15	11901094	11902085	Gmdrm	hypo	CHH	-0.0776
Gm15	11902103	11903087	Gmdrm	hypo	CHH	-0.0555
Gm15	11903120	11904100	Gmdrm	hypo	CHH	-0.0166
Gm15	11909847	11910847	Gmdrm	hypo	CHH	-0.249
Gm15	11919736	11920712	Gmdrm	hypo	CHH	-0.1869
Gm15	11920743	11921050	Gmdrm	hypo	CHH	-0.029
Gm15	11924616	11925614	Gmdrm	hypo	CHH	-0.0209
Gm15	11925620	11926398	Gmdrm	hypo	CHH	-0.0258
Gm15	11932058	11933058	Gmdrm	hypo	CHH	-0.0324
Gm15	11937417	11938392	Gmdrm	hypo	CHH	-0.0503
Gm15	11963071	11963655	Gmdrm	hypo	CHH	-0.0512
Gm15	11965828	11966821	Gmdrm	hypo	CHH	-0.2792
Gm15	11968289	11969266	Gmdrm	hypo	CHH	-0.0187
Gm15	11970788	11971772	Gmdrm	hypo	CHH	-0.0217
Gm15	11981307	11982283	Gmdrm	hypo	CHH	-0.035

Gm15	11982308	11983276	Gmdrm	hypo	CHH	-0.0157
Gm15	11983508	11984508	Gmdrm	hypo	CHH	-0.0468
Gm15	11985523	11986519	Gmdrm	hypo	CHH	-0.0843
Gm15	11986557	11987557	Gmdrm	hypo	CHH	-0.0218
Gm15	11987560	11988559	Gmdrm	hypo	CHH	-0.0341
Gm15	11988566	11989556	Gmdrm	hypo	CHH	-0.1481
Gm15	11994614	11995607	Gmdrm	hypo	CHH	-0.0746
Gm15	11999495	12000451	Gmdrm	hypo	CHH	-0.0298
Gm15	12000591	12001579	Gmdrm	hypo	CHH	-0.0203
Gm15	12001609	12002609	Gmdrm	hypo	CHH	-0.0606
Gm15	12027554	12028540	Gmdrm	hypo	CHH	-0.0318
Gm15	12028574	12029569	Gmdrm	hypo	CHH	-0.1168
Gm15	12044019	12045012	Gmdrm	hypo	CHH	-0.0929
Gm15	12045021	12045947	Gmdrm	hypo	CHH	-0.1107
Gm15	12046035	12047023	Gmdrm	hypo	CHH	-0.1191
Gm15	12061873	12062853	Gmdrm	hypo	CHH	-0.0378
Gm15	12062877	12063753	Gmdrm	hypo	CHH	-0.0434
Gm15	12064407	12065383	Gmdrm	hypo	CHH	-0.0213
Gm15	12072824	12073747	Gmdrm	hypo	CHH	-0.0244
Gm15	12075856	12076853	Gmdrm	hypo	CHH	-0.0561
Gm15	12080217	12080979	Gmdrm	hypo	CHH	-0.0244
Gm15	12081095	12082094	Gmdrm	hypo	CHH	-0.0486
Gm15	12084790	12085784	Gmdrm	hypo	CHH	-0.0116
Gm15	12090480	12091212	Gmdrm	hypo	CHH	-0.0852
Gm15	12093887	12094853	Gmdrm	hypo	CHH	-0.1803
Gm15	12094899	12095892	Gmdrm	hypo	CHH	-0.0163
Gm15	12097024	12098023	Gmdrm	hypo	CHH	-0.0424
Gm15	12105659	12106546	Gmdrm	hypo	CHH	-0.091
Gm15	12117849	12118840	Gmdrm	hypo	CHH	-0.0319
Gm15	12122867	12123860	Gmdrm	hypo	CHH	-0.0139
Gm15	12123868	12124742	Gmdrm	hypo	CHH	-0.0445
Gm15	12129614	12130582	Gmdrm	hypo	CHH	-0.1696
Gm15	12140862	12141861	Gmdrm	hypo	CHH	-0.0225
Gm15	12145822	12146035	Gmdrm	hypo	CHH	-0.0633
Gm15	12156607	12157097	Gmdrm	hypo	CHH	-0.0234
Gm15	12162225	12163225	Gmdrm	hypo	CHH	-0.0686
Gm15	12169428	12170406	Gmdrm	hypo	CHH	-0.0412
Gm15	12172806	12173800	Gmdrm	hypo	CHH	-0.0577
Gm15	12178303	12179302	Gmdrm	hypo	CHH	-0.0553
Gm15	12179304	12180084	Gmdrm	hypo	CHH	-0.1764
Gm15	12182046	12183037	Gmdrm	hypo	CHH	-0.014
Gm15	12191880	12192846	Gmdrm	hypo	CHH	-0.0885
Gm15	12193925	12194917	Gmdrm	hypo	CHH	-0.0798
Gm15	12195400	12196397	Gmdrm	hypo	CHH	-0.0639
Gm15	12196402	12197397	Gmdrm	hypo	CHH	-0.1004
Gm15	12200704	12201701	Gmdrm	hypo	CHH	-0.2279

Gm15	12201706	12202694	Gmdrm	hypo	CHH	-0.163
Gm15	12202723	12203722	Gmdrm	hypo	CHH	-0.0205
Gm15	12203739	12204731	Gmdrm	hypo	CHH	-0.0357
Gm15	12207165	12208112	Gmdrm	hypo	CHH	-0.0358
Gm15	12215677	12216674	Gmdrm	hypo	CHH	-0.0231
Gm15	12219789	12220789	Gmdrm	hypo	CHH	-0.0843
Gm15	12220791	12221789	Gmdrm	hypo	CHH	-0.0389
Gm15	12223799	12224792	Gmdrm	hypo	CHH	-0.2174
Gm15	12231098	12232096	Gmdrm	hypo	CHH	-0.072
Gm15	12232100	12232665	Gmdrm	hypo	CHH	-0.0514
Gm15	12232796	12233763	Gmdrm	hypo	CHH	-0.0245
Gm15	12233805	12234805	Gmdrm	hypo	CHH	-0.0531
Gm15	12234820	12235793	Gmdrm	hypo	CHH	-0.0191
Gm15	12250755	12251743	Gmdrm	hypo	CHH	-0.0665
Gm15	12253770	12254454	Gmdrm	hypo	CHH	-0.0261
Gm15	12254558	12255508	Gmdrm	hypo	CHH	-0.0598
Gm15	12257431	12258408	Gmdrm	hypo	CHH	-0.0379
Gm15	12260039	12260101	Gmdrm	hypo	CHH	-0.0657
Gm15	12289248	12290246	Gmdrm	hypo	CHH	-0.0564
Gm15	12294273	12295273	Gmdrm	hypo	CHH	-0.0654
Gm15	12295284	12296284	Gmdrm	hypo	CHH	-0.1028
Gm15	12296293	12297268	Gmdrm	hypo	CHH	-0.2038
Gm15	12305066	12306063	Gmdrm	hypo	CHH	-0.0233
Gm15	12308100	12309098	Gmdrm	hypo	CHH	-0.0266
Gm15	12309172	12310155	Gmdrm	hypo	CHH	-0.0312
Gm15	12310198	12310216	Gmdrm	hypo	CHH	-0.159
Gm15	12313305	12314285	Gmdrm	hypo	CHH	-0.0137
Gm15	12314338	12315221	Gmdrm	hypo	CHH	-0.0329
Gm15	12317240	12318185	Gmdrm	hypo	CHH	-0.0442
Gm15	12322649	12323573	Gmdrm	hypo	CHH	-0.0226
Gm15	12324986	12325980	Gmdrm	hypo	CHH	-0.0953
Gm15	12327974	12328007	Gmdrm	hypo	CHH	-0.2
Gm15	12330889	12331880	Gmdrm	hypo	CHH	-0.0514
Gm15	12333306	12333905	Gmdrm	hypo	CHH	-0.0355
Gm15	12335087	12336085	Gmdrm	hypo	CHH	-0.0217
Gm15	12336105	12337104	Gmdrm	hypo	CHH	-0.0337
Gm15	12340133	12341130	Gmdrm	hypo	CHH	-0.0853
Gm15	12347752	12348622	Gmdrm	hypo	CHH	-0.0124
Gm15	12351759	12352755	Gmdrm	hypo	CHH	-0.0149
Gm15	12356939	12357933	Gmdrm	hypo	CHH	-0.0213
Gm15	12361068	12362066	Gmdrm	hypo	CHH	-0.1241
Gm15	12368619	12369616	Gmdrm	hypo	CHH	-0.0351
Gm15	12377498	12378257	Gmdrm	hypo	CHH	-0.0158
Gm15	12380429	12381422	Gmdrm	hypo	CHH	-0.0137
Gm15	12382504	12383503	Gmdrm	hypo	CHH	-0.1159
Gm15	12383506	12384499	Gmdrm	hypo	CHH	-0.0757

Gm15	12384516	12385448	Gmdrm	hypo	CHH	-0.111
Gm15	12406346	12407319	Gmdrm	hypo	CHH	-0.0118
Gm15	12417007	12417971	Gmdrm	hypo	CHH	-0.0415
Gm15	12418038	12419012	Gmdrm	hypo	CHH	-0.0135
Gm15	12419057	12420035	Gmdrm	hypo	CHH	-0.0262
Gm15	12420083	12421077	Gmdrm	hypo	CHH	-0.0142
Gm15	12424082	12425077	Gmdrm	hypo	CHH	-0.1054
Gm15	12425085	12426082	Gmdrm	hypo	CHH	-0.1518
Gm15	12426087	12427058	Gmdrm	hypo	CHH	-0.1719
Gm15	12429848	12430756	Gmdrm	hypo	CHH	-0.0222
Gm15	12432903	12433902	Gmdrm	hypo	CHH	-0.0146
Gm15	12434351	12435351	Gmdrm	hypo	CHH	-0.2034
Gm15	12435429	12435980	Gmdrm	hypo	CHH	-0.0812
Gm15	12438272	12438554	Gmdrm	hypo	CHH	-0.0975
Gm15	12438740	12439697	Gmdrm	hypo	CHH	-0.0609
Gm15	12439905	12440900	Gmdrm	hypo	CHH	-0.0577
Gm15	12440906	12441901	Gmdrm	hypo	CHH	-0.0609
Gm15	12459168	12460145	Gmdrm	hypo	CHH	-0.0609
Gm15	12460194	12461192	Gmdrm	hypo	CHH	-0.0175
Gm15	12464283	12465280	Gmdrm	hypo	CHH	-0.021
Gm15	12465292	12465706	Gmdrm	hypo	CHH	-0.02
Gm15	12478168	12479034	Gmdrm	hypo	CHH	-0.4038
Gm15	12489548	12490548	Gmdrm	hypo	CHH	-0.0211
Gm15	12491571	12492564	Gmdrm	hypo	CHH	-0.0153
Gm15	12498011	12499001	Gmdrm	hypo	CHH	-0.0174
Gm15	12504711	12505708	Gmdrm	hypo	CHH	-0.0401
Gm15	12506727	12507721	Gmdrm	hypo	CHH	-0.0578
Gm15	12510750	12511727	Gmdrm	hypo	CHH	-0.1168
Gm15	12511783	12511885	Gmdrm	hypo	CHH	-0.0664
Gm15	12513601	12514597	Gmdrm	hypo	CHH	-0.015
Gm15	12515623	12516621	Gmdrm	hypo	CHH	-0.0125
Gm15	12523280	12523610	Gmdrm	hypo	CHH	-0.0395
Gm15	12528761	12529756	Gmdrm	hypo	CHH	-0.0751
Gm15	12552164	12552711	Gmdrm	hypo	CHH	-0.0712
Gm15	12552833	12553451	Gmdrm	hypo	CHH	-0.0387
Gm15	12557587	12558584	Gmdrm	hypo	CHH	-0.0475
Gm15	12559602	12560602	Gmdrm	hypo	CHH	-0.028
Gm15	12561641	12562627	Gmdrm	hypo	CHH	-0.0286
Gm15	12564471	12565445	Gmdrm	hypo	CHH	-0.0166
Gm15	12580871	12581375	Gmdrm	hypo	CHH	-0.0411
Gm15	12581536	12582519	Gmdrm	hypo	CHH	-0.0767
Gm15	12582596	12583594	Gmdrm	hypo	CHH	-0.0325
Gm15	12583610	12584562	Gmdrm	hypo	CHH	-0.1773
Gm15	12585806	12586762	Gmdrm	hypo	CHH	-0.1772
Gm15	12593400	12594395	Gmdrm	hypo	CHH	-0.0622
Gm15	12594405	12595402	Gmdrm	hypo	CHH	-0.04

Gm15	12595416	12596415	Gmdrm	hypo	CHH	-0.0554
Gm15	12596417	12597416	Gmdrm	hypo	CHH	-0.0456
Gm15	12602968	12603965	Gmdrm	hypo	CHH	-0.0385
Gm15	12603970	12604613	Gmdrm	hypo	CHH	-0.014
Gm15	12631390	12632369	Gmdrm	hypo	CHH	-0.0148
Gm15	12636424	12636662	Gmdrm	hypo	CHH	-0.043
Gm15	12638379	12639374	Gmdrm	hypo	CHH	-0.0149
Gm15	12640486	12641182	Gmdrm	hypo	CHH	-0.0316
Gm15	12647060	12648047	Gmdrm	hypo	CHH	-0.0265
Gm15	12654926	12655924	Gmdrm	hypo	CHH	-0.0927
Gm15	12655934	12656925	Gmdrm	hypo	CHH	-0.079
Gm15	12661985	12662789	Gmdrm	hypo	CHH	-0.0247
Gm15	12676761	12677759	Gmdrm	hypo	CHH	-0.1482
Gm15	12677764	12678729	Gmdrm	hypo	CHH	-0.0354
Gm15	12678768	12679757	Gmdrm	hypo	CHH	-0.0375
Gm15	12679770	12680766	Gmdrm	hypo	CHH	-0.0408
Gm15	12680771	12681759	Gmdrm	hypo	CHH	-0.0358
Gm15	12681793	12682031	Gmdrm	hypo	CHH	-0.068
Gm15	12690077	12691064	Gmdrm	hypo	CHH	-0.0108
Gm15	12705863	12706862	Gmdrm	hypo	CHH	-0.0183
Gm15	12706878	12707865	Gmdrm	hypo	CHH	-0.0165
Gm15	12717788	12717938	Gmdrm	hypo	CHH	-0.1167
Gm15	12724317	12725259	Gmdrm	hypo	CHH	-0.0206
Gm15	12726984	12727982	Gmdrm	hypo	CHH	-0.017
Gm15	12734007	12735003	Gmdrm	hypo	CHH	-0.017
Gm15	12735010	12735997	Gmdrm	hypo	CHH	-0.181
Gm15	12740063	12740821	Gmdrm	hypo	CHH	-0.0441
Gm15	12753874	12754869	Gmdrm	hypo	CHH	-0.1108
Gm15	12761859	12762859	Gmdrm	hypo	CHH	-0.0281
Gm15	12762863	12763805	Gmdrm	hypo	CHH	-0.0458
Gm15	12765889	12766625	Gmdrm	hypo	CHH	-0.0437
Gm15	12793283	12794273	Gmdrm	hypo	CHH	-0.0126
Gm15	12796337	12797331	Gmdrm	hypo	CHH	-0.0796
Gm15	12798279	12799277	Gmdrm	hypo	CHH	-0.066
Gm15	12806457	12807429	Gmdrm	hypo	CHH	-0.0763
Gm15	12813629	12814625	Gmdrm	hypo	CHH	-0.0143
Gm15	12814631	12815626	Gmdrm	hypo	CHH	-0.13
Gm15	12819054	12820027	Gmdrm	hypo	CHH	-0.349
Gm15	12834586	12835538	Gmdrm	hypo	CHH	-0.0693
Gm15	12842939	12843912	Gmdrm	hypo	CHH	-0.0434
Gm15	12843956	12844955	Gmdrm	hypo	CHH	-0.092
Gm15	12851937	12852926	Gmdrm	hypo	CHH	-0.0168
Gm15	12854842	12855836	Gmdrm	hypo	CHH	-0.0148
Gm15	12856204	12857159	Gmdrm	hypo	CHH	-0.0172
Gm15	12859000	12859985	Gmdrm	hypo	CHH	-0.0848
Gm15	12870074	12870746	Gmdrm	hypo	CHH	-0.0401

Gm15	12879611	12880583	Gmdrm	hypo	CHH	-0.022
Gm15	12888073	12889066	Gmdrm	hypo	CHH	-0.1895
Gm15	12889078	12890057	Gmdrm	hypo	CHH	-0.0609
Gm15	12893862	12894857	Gmdrm	hypo	CHH	-0.0703
Gm15	12895886	12896872	Gmdrm	hypo	CHH	-0.0551
Gm15	12897892	12898885	Gmdrm	hypo	CHH	-0.0116
Gm15	12898894	12899872	Gmdrm	hypo	CHH	-0.02
Gm15	12905847	12906842	Gmdrm	hypo	CHH	-0.0215
Gm15	12911878	12912872	Gmdrm	hypo	CHH	-0.0249
Gm15	12932461	12933441	Gmdrm	hypo	CHH	-0.0119
Gm15	12943026	12944025	Gmdrm	hypo	CHH	-0.0531
Gm15	12944028	12945022	Gmdrm	hypo	CHH	-0.0609
Gm15	12945029	12946021	Gmdrm	hypo	CHH	-0.0167
Gm15	12952122	12953103	Gmdrm	hypo	CHH	-0.077
Gm15	12953125	12954072	Gmdrm	hypo	CHH	-0.0525
Gm15	12956173	12957093	Gmdrm	hypo	CHH	-0.0698
Gm15	12957184	12958178	Gmdrm	hypo	CHH	-0.2676
Gm15	12958188	12958428	Gmdrm	hypo	CHH	-0.1129
Gm15	12971831	12972823	Gmdrm	hypo	CHH	-0.0363
Gm15	12973836	12974823	Gmdrm	hypo	CHH	-0.0251
Gm15	12995125	12996032	Gmdrm	hypo	CHH	-0.0218
Gm15	13021549	13022548	Gmdrm	hypo	CHH	-0.1267
Gm15	13022561	13023553	Gmdrm	hypo	CHH	-0.1635
Gm15	13050710	13050976	Gmdrm	hypo	CHH	-0.0267
Gm15	13051516	13052515	Gmdrm	hypo	CHH	-0.0155
Gm15	13052518	13053515	Gmdrm	hypo	CHH	-0.03
Gm15	13060943	13061935	Gmdrm	hypo	CHH	-0.0344
Gm15	13064296	13065296	Gmdrm	hypo	CHH	-0.0158
Gm15	13066381	13067319	Gmdrm	hypo	CHH	-0.0828
Gm15	13072228	13073223	Gmdrm	hypo	CHH	-0.022
Gm15	13073229	13073598	Gmdrm	hypo	CHH	-0.0676
Gm15	13073725	13074290	Gmdrm	hypo	CHH	-0.0186
Gm15	13075643	13076615	Gmdrm	hypo	CHH	-0.0222
Gm15	13078887	13079861	Gmdrm	hypo	CHH	-0.021
Gm15	13086943	13087933	Gmdrm	hypo	CHH	-0.1703
Gm15	13087944	13088932	Gmdrm	hypo	CHH	-0.2045
Gm15	13088945	13089943	Gmdrm	hypo	CHH	-0.0644
Gm15	13090532	13091511	Gmdrm	hypo	CHH	-0.0147
Gm15	13093577	13094572	Gmdrm	hypo	CHH	-0.0388
Gm15	13102476	13103463	Gmdrm	hypo	CHH	-0.0191
Gm15	13110804	13111798	Gmdrm	hypo	CHH	-0.0381
Gm15	13114915	13115909	Gmdrm	hypo	CHH	-0.1493
Gm15	13117144	13117634	Gmdrm	hypo	CHH	-0.0259
Gm15	13118127	13119097	Gmdrm	hypo	CHH	-0.0159
Gm15	13123162	13124137	Gmdrm	hypo	CHH	-0.019
Gm15	13130443	13131419	Gmdrm	hypo	CHH	-0.03

Gm15	13137284	13138278	Gmdrm	hypo	CHH	-0.0244
Gm15	13145628	13146618	Gmdrm	hypo	CHH	-0.1092
Gm15	13146631	13147616	Gmdrm	hypo	CHH	-0.0654
Gm15	13147633	13148629	Gmdrm	hypo	CHH	-0.038
Gm15	13150077	13151075	Gmdrm	hypo	CHH	-0.057
Gm15	13151081	13152070	Gmdrm	hypo	CHH	-0.0293
Gm15	13152102	13152906	Gmdrm	hypo	CHH	-0.2251
Gm15	13153401	13153533	Gmdrm	hypo	CHH	-0.0444
Gm15	13153803	13154189	Gmdrm	hypo	CHH	-0.036
Gm15	13154332	13155332	Gmdrm	hypo	CHH	-0.1165
Gm15	13155335	13156212	Gmdrm	hypo	CHH	-0.0556
Gm15	13157315	13158313	Gmdrm	hypo	CHH	-0.1535
Gm15	13158316	13159257	Gmdrm	hypo	CHH	-0.2937
Gm15	13161377	13162375	Gmdrm	hypo	CHH	-0.0652
Gm15	13162378	13163354	Gmdrm	hypo	CHH	-0.149
Gm15	13170586	13171586	Gmdrm	hypo	CHH	-0.0747
Gm15	13173622	13174622	Gmdrm	hypo	CHH	-0.0637
Gm15	13179741	13180508	Gmdrm	hypo	CHH	-0.0289
Gm15	13180655	13180862	Gmdrm	hypo	CHH	-0.045
Gm15	13186718	13186902	Gmdrm	hypo	CHH	-0.0288
Gm15	13190591	13191580	Gmdrm	hypo	CHH	-0.0123
Gm15	13194627	13195617	Gmdrm	hypo	CHH	-0.0191
Gm15	13199284	13199838	Gmdrm	hypo	CHH	-0.3728
Gm15	13215298	13215610	Gmdrm	hypo	CHH	-0.0413
Gm15	13221764	13222759	Gmdrm	hypo	CHH	-0.0279
Gm15	13237289	13237806	Gmdrm	hypo	CHH	-0.0802
Gm15	13244761	13245753	Gmdrm	hypo	CHH	-0.034
Gm15	13245763	13246751	Gmdrm	hypo	CHH	-0.0815
Gm15	13246770	13247769	Gmdrm	hypo	CHH	-0.1204
Gm15	13247772	13248766	Gmdrm	hypo	CHH	-0.0691
Gm15	13257804	13258803	Gmdrm	hypo	CHH	-0.225
Gm15	13258813	13259804	Gmdrm	hypo	CHH	-0.0482
Gm15	13261992	13262497	Gmdrm	hypo	CHH	-0.0244
Gm15	13263654	13264612	Gmdrm	hypo	CHH	-0.0257
Gm15	13268742	13269702	Gmdrm	hypo	CHH	-0.0143
Gm15	13277312	13278285	Gmdrm	hypo	CHH	-0.164
Gm15	13280111	13280553	Gmdrm	hypo	CHH	-0.0357
Gm15	13283587	13284340	Gmdrm	hypo	CHH	-0.0655
Gm15	13294763	13295049	Gmdrm	hypo	CHH	-0.0717
Gm15	13295172	13296125	Gmdrm	hypo	CHH	-0.0235
Gm15	13298093	13299055	Gmdrm	hypo	CHH	-0.0242
Gm15	13322025	13323011	Gmdrm	hypo	CHH	-0.0253
Gm15	13337941	13338137	Gmdrm	hypo	CHH	-0.0883
Gm15	13342279	13343271	Gmdrm	hypo	CHH	-0.0109
Gm15	13345338	13346337	Gmdrm	hypo	CHH	-0.0681
Gm15	13361541	13362524	Gmdrm	hypo	CHH	-0.0301

Gm15	13362542	13363540 Gmdrm	hypo	CHH	-0.0413
Gm15	13363543	13364529 Gmdrm	hypo	CHH	-0.0588
Gm15	13368433	13369427 Gmdrm	hypo	CHH	-0.0703
Gm15	13370612	13371601 Gmdrm	hypo	CHH	-0.0238
Gm15	13382348	13383176 Gmdrm	hypo	CHH	-0.0224
Gm15	13391317	13391408 Gmdrm	hypo	CHH	-0.062
Gm15	13397918	13398911 Gmdrm	hypo	CHH	-0.1939
Gm15	13410036	13411031 Gmdrm	hypo	CHH	-0.0635
Gm15	13418177	13418837 Gmdrm	hypo	CHH	-0.0281
Gm15	13420439	13421439 Gmdrm	hypo	CHH	-0.0159
Gm15	13435766	13436751 Gmdrm	hypo	CHH	-0.0274
Gm15	13443808	13444798 Gmdrm	hypo	CHH	-0.024
Gm15	13449067	13449740 Gmdrm	hypo	CHH	-0.043
Gm15	13452617	13453617 Gmdrm	hypo	CHH	-0.0268
Gm15	13458689	13459687 Gmdrm	hypo	CHH	-0.0196
Gm15	13526258	13527243 Gmdrm	hypo	CHH	-0.0226
Gm15	13536385	13536796 Gmdrm	hypo	CHH	-0.0482
Gm15	13542343	13542465 Gmdrm	hypo	CHH	-0.0645
Gm15	13577235	13578146 Gmdrm	hypo	CHH	-0.0963
Gm15	13579247	13580231 Gmdrm	hypo	CHH	-0.0166
Gm15	13589188	13590188 Gmdrm	hypo	CHH	-0.1434
Gm15	13591464	13592453 Gmdrm	hypo	CHH	-0.0136
Gm15	13597349	13598349 Gmdrm	hypo	CHH	-0.1833
Gm15	13614830	13615818 Gmdrm	hypo	CHH	-0.0727
Gm15	13621221	13622221 Gmdrm	hypo	CHH	-0.0193
Gm15	13622227	13623184 Gmdrm	hypo	CHH	-0.0194
Gm15	13629366	13630342 Gmdrm	hypo	CHH	-0.0286
Gm15	13637222	13638215 Gmdrm	hypo	CHH	-0.0457
Gm15	13649835	13650835 Gmdrm	hypo	CHH	-0.0713
Gm15	13651837	13652833 Gmdrm	hypo	CHH	-0.0813
Gm15	13666852	13667833 Gmdrm	hypo	CHH	-0.0171
Gm15	13669905	13670894 Gmdrm	hypo	CHH	-0.043
Gm15	13674745	13675716 Gmdrm	hypo	CHH	-0.0346
Gm15	13676354	13676913 Gmdrm	hypo	CHH	-0.02
Gm15	13677030	13678027 Gmdrm	hypo	CHH	-0.0234
Gm15	13681073	13681906 Gmdrm	hypo	CHH	-0.02
Gm15	13686173	13687169 Gmdrm	hypo	CHH	-0.0672
Gm15	13697807	13698489 Gmdrm	hypo	CHH	-0.2444
Gm15	13698644	13698982 Gmdrm	hypo	CHH	-0.106
Gm15	13703195	13704184 Gmdrm	hypo	CHH	-0.0548
Gm15	13706203	13706402 Gmdrm	hypo	CHH	-0.04
Gm15	13720534	13721533 Gmdrm	hypo	CHH	-0.023
Gm15	13750443	13751387 Gmdrm	hypo	CHH	-0.1897
Gm15	13776175	13777172 Gmdrm	hypo	CHH	-0.024
Gm15	13777184	13778177 Gmdrm	hypo	CHH	-0.0335
Gm15	13804645	13805645 Gmdrm	hypo	CHH	-0.0311

Gm15	13826476	13826790	Gmdrm	hypo	CHH	-0.0212
Gm15	13836957	13837955	Gmdrm	hypo	CHH	-0.012
Gm15	13839964	13840964	Gmdrm	hypo	CHH	-0.0358
Gm15	13846040	13846168	Gmdrm	hypo	CHH	-0.188
Gm15	13846799	13846905	Gmdrm	hypo	CHH	-0.0586
Gm15	13850872	13851068	Gmdrm	hypo	CHH	-0.0609
Gm15	13873983	13874946	Gmdrm	hypo	CHH	-0.018
Gm15	13878036	13879034	Gmdrm	hypo	CHH	-0.0383
Gm15	13884557	13885548	Gmdrm	hypo	CHH	-0.0242
Gm15	13885558	13886547	Gmdrm	hypo	CHH	-0.0271
Gm15	13887566	13888566	Gmdrm	hypo	CHH	-0.0423
Gm15	13890606	13891600	Gmdrm	hypo	CHH	-0.0104
Gm15	13893614	13894591	Gmdrm	hypo	CHH	-0.1426
Gm15	13894639	13895625	Gmdrm	hypo	CHH	-0.016
Gm15	13895682	13896665	Gmdrm	hypo	CHH	-0.049
Gm15	13899120	13900119	Gmdrm	hypo	CHH	-0.0197
Gm15	13907159	13908152	Gmdrm	hypo	CHH	-0.0304
Gm15	13909386	13910380	Gmdrm	hypo	CHH	-0.1251
Gm15	13914410	13914880	Gmdrm	hypo	CHH	-0.0416
Gm15	13914994	13915989	Gmdrm	hypo	CHH	-0.0384
Gm15	13915998	13916699	Gmdrm	hypo	CHH	-0.0493
Gm15	13916982	13917973	Gmdrm	hypo	CHH	-0.1877
Gm15	13918006	13918954	Gmdrm	hypo	CHH	-0.1691
Gm15	13925015	13925891	Gmdrm	hypo	CHH	-0.0343
Gm15	13927430	13928374	Gmdrm	hypo	CHH	-0.0399
Gm15	13931458	13932455	Gmdrm	hypo	CHH	-0.056
Gm15	13933675	13934672	Gmdrm	hypo	CHH	-0.0401
Gm15	13939667	13940666	Gmdrm	hypo	CHH	-0.0251
Gm15	13940669	13941669	Gmdrm	hypo	CHH	-0.0234
Gm15	13944691	13945631	Gmdrm	hypo	CHH	-0.0626
Gm15	13951282	13952281	Gmdrm	hypo	CHH	-0.0366
Gm15	13953333	13954332	Gmdrm	hypo	CHH	-0.0591
Gm15	13954334	13955334	Gmdrm	hypo	CHH	-0.05
Gm15	13957093	13958077	Gmdrm	hypo	CHH	-0.015
Gm15	13958301	13959298	Gmdrm	hypo	CHH	-0.1099
Gm15	13963106	13964104	Gmdrm	hypo	CHH	-0.0243
Gm15	13964118	13965094	Gmdrm	hypo	CHH	-0.0615
Gm15	13967085	13968080	Gmdrm	hypo	CHH	-0.1327
Gm15	13975274	13976273	Gmdrm	hypo	CHH	-0.0444
Gm15	13981495	13982491	Gmdrm	hypo	CHH	-0.0602
Gm15	13982504	13983494	Gmdrm	hypo	CHH	-0.0232
Gm15	13989396	13990384	Gmdrm	hypo	CHH	-0.0173
Gm15	13992429	13993425	Gmdrm	hypo	CHH	-0.157
Gm15	13993430	13994374	Gmdrm	hypo	CHH	-0.092
Gm15	13997871	13998867	Gmdrm	hypo	CHH	-0.0734
Gm15	13998876	13999871	Gmdrm	hypo	CHH	-0.1543

Gm15	14006889	14006946 Gmdrm	hypo	CHH	-0.6217
Gm15	14012817	14013697 Gmdrm	hypo	CHH	-0.03
Gm15	14013811	14014809 Gmdrm	hypo	CHH	-0.0472
Gm15	14014816	14015428 Gmdrm	hypo	CHH	-0.0227
Gm15	14028710	14029698 Gmdrm	hypo	CHH	-0.0117
Gm15	14035933	14036926 Gmdrm	hypo	CHH	-0.016
Gm15	14040048	14041022 Gmdrm	hypo	CHH	-0.0219
Gm15	14041429	14042279 Gmdrm	hypo	CHH	-0.0788
Gm15	14055432	14055602 Gmdrm	hypo	CHH	-0.0583
Gm15	14062019	14063013 Gmdrm	hypo	CHH	-0.0672
Gm15	14063021	14064016 Gmdrm	hypo	CHH	-0.0972
Gm15	14064022	14064949 Gmdrm	hypo	CHH	-0.0221
Gm15	14090273	14091272 Gmdrm	hypo	CHH	-0.2028
Gm15	14091287	14092285 Gmdrm	hypo	CHH	-0.092
Gm15	14105204	14106200 Gmdrm	hypo	CHH	-0.0501
Gm15	14111418	14112415 Gmdrm	hypo	CHH	-0.0604
Gm15	14124646	14125632 Gmdrm	hypo	CHH	-0.0424
Gm15	14130398	14131388 Gmdrm	hypo	CHH	-0.0473
Gm15	14139925	14140920 Gmdrm	hypo	CHH	-0.029
Gm15	14149946	14150913 Gmdrm	hypo	CHH	-0.0146
Gm15	14151505	14152483 Gmdrm	hypo	CHH	-0.0155
Gm15	14164211	14165201 Gmdrm	hypo	CHH	-0.0282
Gm15	14165236	14166230 Gmdrm	hypo	CHH	-0.0812
Gm15	14166242	14167232 Gmdrm	hypo	CHH	-0.0403
Gm15	14167254	14168251 Gmdrm	hypo	CHH	-0.0445
Gm15	14168273	14168370 Gmdrm	hypo	CHH	-0.094
Gm15	14172271	14173266 Gmdrm	hypo	CHH	-0.0228
Gm15	14179012	14179490 Gmdrm	hypo	CHH	-0.02
Gm15	14188927	14189502 Gmdrm	hypo	CHH	-0.0242
Gm15	14196673	14197662 Gmdrm	hypo	CHH	-0.0293
Gm15	14217549	14218539 Gmdrm	hypo	CHH	-0.0431
Gm15	14219626	14219953 Gmdrm	hypo	CHH	-0.03
Gm15	14222689	14223669 Gmdrm	hypo	CHH	-0.0303
Gm15	14237502	14238490 Gmdrm	hypo	CHH	-0.0318
Gm15	14248975	14249826 Gmdrm	hypo	CHH	-0.0257
Gm15	14260886	14261884 Gmdrm	hypo	CHH	-0.0347
Gm15	14261889	14262888 Gmdrm	hypo	CHH	-0.1244
Gm15	14263914	14264914 Gmdrm	hypo	CHH	-0.0214
Gm15	14264916	14265168 Gmdrm	hypo	CHH	-0.06
Gm15	14271337	14272305 Gmdrm	hypo	CHH	-0.1114
Gm15	14277346	14278344 Gmdrm	hypo	CHH	-0.0201
Gm15	14282003	14282993 Gmdrm	hypo	CHH	-0.2196
Gm15	14286065	14287053 Gmdrm	hypo	CHH	-0.0386
Gm15	14291780	14292733 Gmdrm	hypo	CHH	-0.0223
Gm15	14297904	14298891 Gmdrm	hypo	CHH	-0.0127
Gm15	14301911	14302911 Gmdrm	hypo	CHH	-0.0805

Gm15	14309201	14310180	Gmdrm	hypo	CHH	-0.1174
Gm15	14324679	14325679	Gmdrm	hypo	CHH	-0.059
Gm15	14325680	14326475	Gmdrm	hypo	CHH	-0.0888
Gm15	14331204	14332162	Gmdrm	hypo	CHH	-0.029
Gm15	14338338	14339337	Gmdrm	hypo	CHH	-0.093
Gm15	14339344	14340339	Gmdrm	hypo	CHH	-0.0935
Gm15	14340348	14341347	Gmdrm	hypo	CHH	-0.0576
Gm15	14341355	14342353	Gmdrm	hypo	CHH	-0.0383
Gm15	14342360	14343331	Gmdrm	hypo	CHH	-0.0459
Gm15	14347587	14348587	Gmdrm	hypo	CHH	-0.0279
Gm15	14363490	14364456	Gmdrm	hypo	CHH	-0.0641
Gm15	14373949	14374463	Gmdrm	hypo	CHH	-0.0263
Gm15	14392889	14393878	Gmdrm	hypo	CHH	-0.0726
Gm15	14393891	14394881	Gmdrm	hypo	CHH	-0.029
Gm15	14397980	14398861	Gmdrm	hypo	CHH	-0.1179
Gm15	14405736	14406683	Gmdrm	hypo	CHH	-0.0145
Gm15	14408698	14409214	Gmdrm	hypo	CHH	-0.0229
Gm15	14420339	14421325	Gmdrm	hypo	CHH	-0.023
Gm15	14450296	14451283	Gmdrm	hypo	CHH	-0.0917
Gm15	14451308	14452272	Gmdrm	hypo	CHH	-0.0836
Gm15	14462570	14463568	Gmdrm	hypo	CHH	-0.0322
Gm15	14463584	14464357	Gmdrm	hypo	CHH	-0.0242
Gm15	14466323	14466600	Gmdrm	hypo	CHH	-0.0287
Gm15	14468661	14469659	Gmdrm	hypo	CHH	-0.0825
Gm15	14469670	14470663	Gmdrm	hypo	CHH	-0.1262
Gm15	14482281	14483135	Gmdrm	hypo	CHH	-0.0749
Gm15	14486939	14487903	Gmdrm	hypo	CHH	-0.0369
Gm15	14498865	14499548	Gmdrm	hypo	CHH	-0.0219
Gm15	14525871	14526603	Gmdrm	hypo	CHH	-0.0288
Gm15	14542383	14543219	Gmdrm	hypo	CHH	-0.0162
Gm15	14545687	14546681	Gmdrm	hypo	CHH	-0.0535
Gm15	14550786	14551448	Gmdrm	hypo	CHH	-0.0794
Gm15	14551672	14551747	Gmdrm	hypo	CHH	-0.1229
Gm15	14551912	14552910	Gmdrm	hypo	CHH	-0.0867
Gm15	14552918	14553916	Gmdrm	hypo	CHH	-0.0437
Gm15	14553922	14554912	Gmdrm	hypo	CHH	-0.0368
Gm15	14581020	14581995	Gmdrm	hypo	CHH	-0.0372
Gm15	14589116	14590113	Gmdrm	hypo	CHH	-0.015
Gm15	14591140	14592138	Gmdrm	hypo	CHH	-0.0343
Gm15	14596192	14597187	Gmdrm	hypo	CHH	-0.0646
Gm15	14600905	14601896	Gmdrm	hypo	CHH	-0.1111
Gm15	14602466	14603401	Gmdrm	hypo	CHH	-0.0217
Gm15	14605227	14606211	Gmdrm	hypo	CHH	-0.0224
Gm15	14607406	14607975	Gmdrm	hypo	CHH	-0.0284
Gm15	14625022	14625511	Gmdrm	hypo	CHH	-0.0521
Gm15	14644643	14645637	Gmdrm	hypo	CHH	-0.0213

Gm15	14650250	14651248	Gmdrm	hypo	CHH	-0.0543
Gm15	14651251	14652241	Gmdrm	hypo	CHH	-0.0469
Gm15	14663300	14664267	Gmdrm	hypo	CHH	-0.0299
Gm15	14693350	14694339	Gmdrm	hypo	CHH	-0.0396
Gm15	14697380	14698266	Gmdrm	hypo	CHH	-0.0404
Gm15	14698677	14699608	Gmdrm	hypo	CHH	-0.0894
Gm15	14699692	14699871	Gmdrm	hypo	CHH	-0.195
Gm15	14700444	14701440	Gmdrm	hypo	CHH	-0.0155
Gm15	14707171	14708170	Gmdrm	hypo	CHH	-0.0366
Gm15	14708464	14709464	Gmdrm	hypo	CHH	-0.0578
Gm15	14709465	14710464	Gmdrm	hypo	CHH	-0.0247
Gm15	14714594	14715080	Gmdrm	hypo	CHH	-0.055
Gm15	14718652	14719644	Gmdrm	hypo	CHH	-0.0142
Gm15	14720671	14720949	Gmdrm	hypo	CHH	-0.0208
Gm15	14730624	14731613	Gmdrm	hypo	CHH	-0.1009
Gm15	14732638	14733631	Gmdrm	hypo	CHH	-0.0306
Gm15	14738559	14738748	Gmdrm	hypo	CHH	-0.0825
Gm15	14740996	14741988	Gmdrm	hypo	CHH	-0.1564
Gm15	14743231	14744228	Gmdrm	hypo	CHH	-0.0384
Gm15	14744235	14745235	Gmdrm	hypo	CHH	-0.0477
Gm15	14756334	14756856	Gmdrm	hypo	CHH	-0.1124
Gm15	14763898	14764885	Gmdrm	hypo	CHH	-0.0659
Gm15	14778920	14779915	Gmdrm	hypo	CHH	-0.0329
Gm15	14779928	14780928	Gmdrm	hypo	CHH	-0.1202
Gm15	14780930	14781914	Gmdrm	hypo	CHH	-0.1744
Gm15	14781942	14782942	Gmdrm	hypo	CHH	-0.0302
Gm15	14801074	14802070	Gmdrm	hypo	CHH	-0.0469
Gm15	14802088	14803077	Gmdrm	hypo	CHH	-0.1621
Gm15	14803104	14804102	Gmdrm	hypo	CHH	-0.0176
Gm15	14804108	14804290	Gmdrm	hypo	CHH	-0.0374
Gm15	14824227	14825195	Gmdrm	hypo	CHH	-0.0148
Gm15	14835072	14836070	Gmdrm	hypo	CHH	-0.0162
Gm15	14836078	14837062	Gmdrm	hypo	CHH	-0.0417
Gm15	14837091	14837896	Gmdrm	hypo	CHH	-0.0143
Gm15	14851449	14852448	Gmdrm	hypo	CHH	-0.0169
Gm15	14852454	14853454	Gmdrm	hypo	CHH	-0.0784
Gm15	14853458	14854406	Gmdrm	hypo	CHH	-0.0841
Gm15	14875519	14876264	Gmdrm	hypo	CHH	-0.0273
Gm15	14878380	14879368	Gmdrm	hypo	CHH	-0.0641
Gm15	14879384	14880376	Gmdrm	hypo	CHH	-0.0534
Gm15	14880396	14881387	Gmdrm	hypo	CHH	-0.042
Gm15	14881413	14882410	Gmdrm	hypo	CHH	-0.042
Gm15	14901892	14902213	Gmdrm	hypo	CHH	-0.197
Gm15	14912429	14913423	Gmdrm	hypo	CHH	-0.0382
Gm15	14934783	14935096	Gmdrm	hypo	CHH	-0.1275
Gm15	14983428	14984425	Gmdrm	hypo	CHH	-0.0171

Gm15	14985447	14985912	Gmdrm	hypo	CHH	-0.0598
Gm15	15011212	15012212	Gmdrm	hypo	CHH	-0.0189
Gm15	15013252	15014185	Gmdrm	hypo	CHH	-0.0115
Gm15	15022909	15023179	Gmdrm	hypo	CHH	-0.0219
Gm15	15026600	15027588	Gmdrm	hypo	CHH	-0.1718
Gm15	15030742	15031684	Gmdrm	hypo	CHH	-0.0956
Gm15	15031755	15032755	Gmdrm	hypo	CHH	-0.0532
Gm15	15032763	15033760	Gmdrm	hypo	CHH	-0.0482
Gm15	15035246	15036245	Gmdrm	hypo	CHH	-0.0353
Gm15	15036249	15037232	Gmdrm	hypo	CHH	-0.0881
Gm15	15040326	15041326	Gmdrm	hypo	CHH	-0.0219
Gm15	15056207	15057206	Gmdrm	hypo	CHH	-0.0796
Gm15	15058214	15059213	Gmdrm	hypo	CHH	-0.0493
Gm15	15059220	15060214	Gmdrm	hypo	CHH	-0.1078
Gm15	15073798	15074796	Gmdrm	hypo	CHH	-0.0576
Gm15	15075830	15076823	Gmdrm	hypo	CHH	-0.0328
Gm15	15086867	15087855	Gmdrm	hypo	CHH	-0.0237
Gm15	15106670	15107641	Gmdrm	hypo	CHH	-0.0398
Gm15	15117737	15118714	Gmdrm	hypo	CHH	-0.0294
Gm15	15129568	15130559	Gmdrm	hypo	CHH	-0.0674
Gm15	15140380	15141372	Gmdrm	hypo	CHH	-0.063
Gm15	15156169	15157144	Gmdrm	hypo	CHH	-0.0512
Gm15	15160276	15161256	Gmdrm	hypo	CHH	-0.0447
Gm15	15167363	15167821	Gmdrm	hypo	CHH	-0.0711
Gm15	15169760	15170758	Gmdrm	hypo	CHH	-0.1468
Gm15	15171764	15172136	Gmdrm	hypo	CHH	-0.2223
Gm15	15183352	15184336	Gmdrm	hypo	CHH	-0.056
Gm15	15184353	15185341	Gmdrm	hypo	CHH	-0.0736
Gm15	15185362	15186357	Gmdrm	hypo	CHH	-0.0354
Gm15	15200105	15201094	Gmdrm	hypo	CHH	-0.0221
Gm15	15201123	15202080	Gmdrm	hypo	CHH	-0.0241
Gm15	15204154	15205128	Gmdrm	hypo	CHH	-0.0703
Gm15	15205158	15206157	Gmdrm	hypo	CHH	-0.1316
Gm15	15211536	15211867	Gmdrm	hypo	CHH	-0.0655
Gm15	15216638	15217631	Gmdrm	hypo	CHH	-0.1324
Gm15	15218650	15219641	Gmdrm	hypo	CHH	-0.1423
Gm15	15222735	15223726	Gmdrm	hypo	CHH	-0.0549
Gm15	15223749	15224719	Gmdrm	hypo	CHH	-0.132
Gm15	15233311	15234311	Gmdrm	hypo	CHH	-0.2065
Gm15	15234315	15235314	Gmdrm	hypo	CHH	-0.1201
Gm15	15248851	15249838	Gmdrm	hypo	CHH	-0.0658
Gm15	15249908	15250808	Gmdrm	hypo	CHH	-0.0308
Gm15	15262591	15263561	Gmdrm	hypo	CHH	-0.0367
Gm15	15273269	15274266	Gmdrm	hypo	CHH	-0.1363
Gm15	15274276	15275225	Gmdrm	hypo	CHH	-0.0338
Gm15	15286357	15287325	Gmdrm	hypo	CHH	-0.0227

Gm15	15290960	15291960	Gmdrm	hypo	CHH	-0.0315
Gm15	15291973	15292365	Gmdrm	hypo	CHH	-0.026
Gm15	15292515	15293515	Gmdrm	hypo	CHH	-0.0777
Gm15	15296285	15296617	Gmdrm	hypo	CHH	-0.1737
Gm15	15305117	15306110	Gmdrm	hypo	CHH	-0.0929
Gm15	15321471	15322462	Gmdrm	hypo	CHH	-0.0933
Gm15	15322483	15323478	Gmdrm	hypo	CHH	-0.0684
Gm15	15325305	15326303	Gmdrm	hypo	CHH	-0.0343
Gm15	15326880	15327877	Gmdrm	hypo	CHH	-0.0158
Gm15	15327894	15328872	Gmdrm	hypo	CHH	-0.0713
Gm15	15329929	15330928	Gmdrm	hypo	CHH	-0.0709
Gm15	15330931	15331890	Gmdrm	hypo	CHH	-0.0407
Gm15	15332960	15333944	Gmdrm	hypo	CHH	-0.0363
Gm15	15333978	15334924	Gmdrm	hypo	CHH	-0.0446
Gm15	15336019	15336138	Gmdrm	hypo	CHH	-0.096
Gm15	15347983	15348975	Gmdrm	hypo	CHH	-0.0739
Gm15	15356537	15357537	Gmdrm	hypo	CHH	-0.0438
Gm15	15357550	15358341	Gmdrm	hypo	CHH	-0.1158
Gm15	15373094	15374092	Gmdrm	hypo	CHH	-0.0325
Gm15	15375647	15376626	Gmdrm	hypo	CHH	-0.0517
Gm15	15376666	15377621	Gmdrm	hypo	CHH	-0.0251
Gm15	15386304	15387303	Gmdrm	hypo	CHH	-0.0257
Gm15	15401980	15402963	Gmdrm	hypo	CHH	-0.0166
Gm15	15421250	15422043	Gmdrm	hypo	CHH	-0.1018
Gm15	15423213	15424202	Gmdrm	hypo	CHH	-0.0152
Gm15	15427395	15428155	Gmdrm	hypo	CHH	-0.0193
Gm15	15429292	15430292	Gmdrm	hypo	CHH	-0.0162
Gm15	15430295	15431281	Gmdrm	hypo	CHH	-0.0553
Gm15	15431297	15432296	Gmdrm	hypo	CHH	-0.1102
Gm15	15433371	15434362	Gmdrm	hypo	CHH	-0.0512
Gm15	15471993	15472990	Gmdrm	hypo	CHH	-0.179
Gm15	15482714	15483710	Gmdrm	hypo	CHH	-0.0711
Gm15	15493512	15493938	Gmdrm	hypo	CHH	-0.0508
Gm15	15495582	15496582	Gmdrm	hypo	CHH	-0.0175
Gm15	15503510	15504507	Gmdrm	hypo	CHH	-0.0606
Gm15	15504513	15505500	Gmdrm	hypo	CHH	-0.0463
Gm15	15509548	15510541	Gmdrm	hypo	CHH	-0.0174
Gm15	15532295	15532329	Gmdrm	hypo	CHH	-0.0613
Gm15	15532444	15533444	Gmdrm	hypo	CHH	-0.0641
Gm15	15533455	15534446	Gmdrm	hypo	CHH	-0.0811
Gm15	15534457	15535453	Gmdrm	hypo	CHH	-0.0241
Gm15	15545819	15546285	Gmdrm	hypo	CHH	-0.0289
Gm15	15547219	15547362	Gmdrm	hypo	CHH	-0.05
Gm15	15547466	15548455	Gmdrm	hypo	CHH	-0.0241
Gm15	15549130	15550127	Gmdrm	hypo	CHH	-0.0719
Gm15	15565197	15566190	Gmdrm	hypo	CHH	-0.0432

Gm15	15578704	15579679	Gmdrm	hypo	CHH	-0.0482
Gm15	15584614	15585613	Gmdrm	hypo	CHH	-0.0145
Gm15	15588294	15589290	Gmdrm	hypo	CHH	-0.0386
Gm15	15589313	15589745	Gmdrm	hypo	CHH	-0.0745
Gm15	15593652	15594352	Gmdrm	hypo	CHH	-0.1052
Gm15	15594912	15595870	Gmdrm	hypo	CHH	-0.111
Gm15	15595921	15596914	Gmdrm	hypo	CHH	-0.0528
Gm15	15617546	15617772	Gmdrm	hypo	CHH	-0.1391
Gm15	15618662	15619209	Gmdrm	hypo	CHH	-0.1372
Gm15	15631379	15632376	Gmdrm	hypo	CHH	-0.061
Gm15	15632381	15633370	Gmdrm	hypo	CHH	-0.0378
Gm15	15635275	15636275	Gmdrm	hypo	CHH	-0.0974
Gm15	15650806	15651805	Gmdrm	hypo	CHH	-0.254
Gm15	15651808	15652805	Gmdrm	hypo	CHH	-0.0777
Gm15	15667669	15668662	Gmdrm	hypo	CHH	-0.0167
Gm15	15671694	15672688	Gmdrm	hypo	CHH	-0.0119
Gm15	15680433	15681388	Gmdrm	hypo	CHH	-0.0582
Gm15	15707137	15708132	Gmdrm	hypo	CHH	-0.027
Gm15	15708162	15709136	Gmdrm	hypo	CHH	-0.0092
Gm15	15710747	15711365	Gmdrm	hypo	CHH	-0.0181
Gm15	15718051	15719050	Gmdrm	hypo	CHH	-0.082
Gm15	15720754	15721746	Gmdrm	hypo	CHH	-0.0314
Gm15	15726298	15726909	Gmdrm	hypo	CHH	-0.0359
Gm15	15734268	15735231	Gmdrm	hypo	CHH	-0.0198
Gm15	15735488	15736484	Gmdrm	hypo	CHH	-0.1398
Gm15	15736556	15737552	Gmdrm	hypo	CHH	-0.0654
Gm15	15757771	15758760	Gmdrm	hypo	CHH	-0.0372
Gm15	15770875	15771780	Gmdrm	hypo	CHH	-0.0242
Gm15	15773324	15774312	Gmdrm	hypo	CHH	-0.0255
Gm15	15774345	15775341	Gmdrm	hypo	CHH	-0.0881
Gm15	15775347	15775794	Gmdrm	hypo	CHH	-0.0481
Gm15	15777001	15778000	Gmdrm	hypo	CHH	-0.0394
Gm15	15778003	15778990	Gmdrm	hypo	CHH	-0.0159
Gm15	15786447	15787435	Gmdrm	hypo	CHH	-0.0616
Gm15	15787448	15788434	Gmdrm	hypo	CHH	-0.0668
Gm15	15790169	15791164	Gmdrm	hypo	CHH	-0.0961
Gm15	15791177	15792146	Gmdrm	hypo	CHH	-0.0335
Gm15	15792856	15793854	Gmdrm	hypo	CHH	-0.1006
Gm15	15794867	15795867	Gmdrm	hypo	CHH	-0.053
Gm15	15795873	15796804	Gmdrm	hypo	CHH	-0.0551
Gm15	15798525	15799517	Gmdrm	hypo	CHH	-0.1697
Gm15	15805199	15806183	Gmdrm	hypo	CHH	-0.1271
Gm15	15806202	15807201	Gmdrm	hypo	CHH	-0.0866
Gm15	15810247	15811242	Gmdrm	hypo	CHH	-0.0596
Gm15	15812284	15813256	Gmdrm	hypo	CHH	-0.0195
Gm15	15813412	15814410	Gmdrm	hypo	CHH	-0.0386

Gm15	15814415	15815413	Gmdrm	hypo	CHH	-0.0357
Gm15	15820332	15821268	Gmdrm	hypo	CHH	-0.1933
Gm15	15821395	15822368	Gmdrm	hypo	CHH	-0.1866
Gm15	15823793	15823891	Gmdrm	hypo	CHH	-0.197
Gm15	15826524	15827513	Gmdrm	hypo	CHH	-0.0107
Gm15	15831568	15832562	Gmdrm	hypo	CHH	-0.0434
Gm15	15838761	15839740	Gmdrm	hypo	CHH	-0.0279
Gm15	15839980	15840978	Gmdrm	hypo	CHH	-0.1588
Gm15	15846120	15847106	Gmdrm	hypo	CHH	-0.0107
Gm15	15853153	15854137	Gmdrm	hypo	CHH	-0.0284
Gm15	15855193	15856178	Gmdrm	hypo	CHH	-0.0218
Gm15	15862614	15862807	Gmdrm	hypo	CHH	-0.03
Gm15	15866495	15867491	Gmdrm	hypo	CHH	-0.0121
Gm15	15869233	15869929	Gmdrm	hypo	CHH	-0.0336
Gm15	15881299	15881736	Gmdrm	hypo	CHH	-0.0387
Gm15	15881849	15882828	Gmdrm	hypo	CHH	-0.0583
Gm15	15882861	15883003	Gmdrm	hypo	CHH	-0.0685
Gm15	15883132	15884128	Gmdrm	hypo	CHH	-0.0552
Gm15	15884147	15885141	Gmdrm	hypo	CHH	-0.0542
Gm15	15885158	15886157	Gmdrm	hypo	CHH	-0.0657
Gm15	15888246	15888973	Gmdrm	hypo	CHH	-0.0335
Gm15	15890290	15891263	Gmdrm	hypo	CHH	-0.0153
Gm15	15893380	15894377	Gmdrm	hypo	CHH	-0.1053
Gm15	15898128	15899086	Gmdrm	hypo	CHH	-0.3416
Gm15	15899911	15900910	Gmdrm	hypo	CHH	-0.0475
Gm15	15921145	15921360	Gmdrm	hypo	CHH	-0.5908
Gm15	15953476	15954435	Gmdrm	hypo	CHH	-0.0703
Gm15	15954534	15955509	Gmdrm	hypo	CHH	-0.073
Gm15	15957558	15958504	Gmdrm	hypo	CHH	-0.046
Gm15	15958568	15959568	Gmdrm	hypo	CHH	-0.0539
Gm15	15963938	15964933	Gmdrm	hypo	CHH	-0.0742
Gm15	15964940	15965940	Gmdrm	hypo	CHH	-0.0941
Gm15	15965956	15966944	Gmdrm	hypo	CHH	-0.0262
Gm15	15968018	15969013	Gmdrm	hypo	CHH	-0.0579
Gm15	15996688	15997677	Gmdrm	hypo	CHH	-0.0367
Gm15	15998704	15999704	Gmdrm	hypo	CHH	-0.0308
Gm15	15999717	16000704	Gmdrm	hypo	CHH	-0.0415
Gm15	16000720	16001697	Gmdrm	hypo	CHH	-0.0594
Gm15	16036908	16037906	Gmdrm	hypo	CHH	-0.1643
Gm15	16038949	16039424	Gmdrm	hypo	CHH	-0.0914
Gm15	16084647	16085632	Gmdrm	hypo	CHH	-0.0142
Gm15	16086231	16087168	Gmdrm	hypo	CHH	-0.1664
Gm15	16088254	16089252	Gmdrm	hypo	CHH	-0.0291
Gm15	16089255	16090255	Gmdrm	hypo	CHH	-0.0249
Gm15	16090282	16091274	Gmdrm	hypo	CHH	-0.0223
Gm15	16115771	16116766	Gmdrm	hypo	CHH	-0.0502

Gm15	16120281	16121281	Gmdrm	hypo	CHH	-0.1496
Gm15	16184580	16185144	Gmdrm	hypo	CHH	-0.0288
Gm15	16227255	16227575	Gmdrm	hypo	CHH	-0.07
Gm15	16249559	16249935	Gmdrm	hypo	CHH	-0.0415
Gm15	16348291	16349273	Gmdrm	hypo	CHH	-0.0503
Gm15	16367073	16367254	Gmdrm	hypo	CHH	-0.0444
Gm15	16480662	16481651	Gmdrm	hypo	CHH	-0.025
Gm15	16532473	16532785	Gmdrm	hypo	CHH	-0.0309
Gm15	16536063	16537048	Gmdrm	hypo	CHH	-0.0216
Gm15	16537066	16537547	Gmdrm	hypo	CHH	-0.0269
Gm15	16567907	16568905	Gmdrm	hypo	CHH	-0.0153
Gm15	16590313	16591312	Gmdrm	hypo	CHH	-0.0322
Gm15	16591321	16592312	Gmdrm	hypo	CHH	-0.0202
Gm15	16599767	16600752	Gmdrm	hypo	CHH	-0.0632
Gm15	16602623	16603267	Gmdrm	hypo	CHH	-0.0719
Gm15	16603454	16604237	Gmdrm	hypo	CHH	-0.074
Gm15	16626392	16627386	Gmdrm	hypo	CHH	-0.1017
Gm15	16629584	16630527	Gmdrm	hypo	CHH	-0.0417
Gm15	16640311	16641311	Gmdrm	hypo	CHH	-0.2156
Gm15	16644919	16645919	Gmdrm	hypo	CHH	-0.1492
Gm15	16645921	16646756	Gmdrm	hypo	CHH	-0.1095
Gm15	16647012	16648012	Gmdrm	hypo	CHH	-0.0192
Gm15	16648014	16649012	Gmdrm	hypo	CHH	-0.0708
Gm15	16649018	16650011	Gmdrm	hypo	CHH	-0.0408
Gm15	16658157	16659143	Gmdrm	hypo	CHH	-0.0249
Gm15	16664289	16665277	Gmdrm	hypo	CHH	-0.0276
Gm15	16667104	16668031	Gmdrm	hypo	CHH	-0.0414
Gm15	16670144	16671135	Gmdrm	hypo	CHH	-0.0316
Gm15	16671158	16672157	Gmdrm	hypo	CHH	-0.0484
Gm15	16677441	16678439	Gmdrm	hypo	CHH	-0.0515
Gm15	16678442	16679435	Gmdrm	hypo	CHH	-0.0848
Gm15	16689491	16690489	Gmdrm	hypo	CHH	-0.022
Gm15	16738440	16739434	Gmdrm	hypo	CHH	-0.0584
Gm15	16748051	16749026	Gmdrm	hypo	CHH	-0.0235
Gm15	16772979	16773962	Gmdrm	hypo	CHH	-0.0845
Gm15	16773999	16774982	Gmdrm	hypo	CHH	-0.0595
Gm15	16776007	16777004	Gmdrm	hypo	CHH	-0.0171
Gm15	16778879	16779879	Gmdrm	hypo	CHH	-0.1654
Gm15	16779881	16780372	Gmdrm	hypo	CHH	-0.2475
Gm15	16788043	16789031	Gmdrm	hypo	CHH	-0.0163
Gm15	16793824	16794795	Gmdrm	hypo	CHH	-0.0234
Gm15	16808045	16809037	Gmdrm	hypo	CHH	-0.0686
Gm15	16828787	16829786	Gmdrm	hypo	CHH	-0.0463
Gm15	16829790	16830789	Gmdrm	hypo	CHH	-0.0918
Gm15	16834451	16835187	Gmdrm	hypo	CHH	-0.1645
Gm15	16835349	16836341	Gmdrm	hypo	CHH	-0.0144

Gm15	16839329	16840328	Gmdrm	hypo	CHH	-0.2234
Gm15	16840334	16841305	Gmdrm	hypo	CHH	-0.3104
Gm15	16844814	16845811	Gmdrm	hypo	CHH	-0.0352
Gm15	16850811	16851808	Gmdrm	hypo	CHH	-0.1929
Gm15	16863291	16864271	Gmdrm	hypo	CHH	-0.0287
Gm15	16865333	16866203	Gmdrm	hypo	CHH	-0.0173
Gm15	16870520	16871383	Gmdrm	hypo	CHH	-0.2344
Gm15	16871593	16872592	Gmdrm	hypo	CHH	-0.034
Gm15	16895710	16895881	Gmdrm	hypo	CHH	-0.0329
Gm15	16898881	16899060	Gmdrm	hypo	CHH	-0.1031
Gm15	16916066	16917016	Gmdrm	hypo	CHH	-0.053
Gm15	16919127	16920126	Gmdrm	hypo	CHH	-0.0461
Gm15	16920137	16921134	Gmdrm	hypo	CHH	-0.0271
Gm15	16921158	16922103	Gmdrm	hypo	CHH	-0.0585
Gm15	16922400	16923379	Gmdrm	hypo	CHH	-0.0275
Gm15	16926509	16927482	Gmdrm	hypo	CHH	-0.0251
Gm15	16927575	16928040	Gmdrm	hypo	CHH	-0.0381
Gm15	16935501	16936495	Gmdrm	hypo	CHH	-0.0983
Gm15	16950999	16951997	Gmdrm	hypo	CHH	-0.0394
Gm15	16952001	16952750	Gmdrm	hypo	CHH	-0.0193
Gm15	16963047	16964040	Gmdrm	hypo	CHH	-0.0206
Gm15	16973080	16974024	Gmdrm	hypo	CHH	-0.029
Gm15	16974085	16974979	Gmdrm	hypo	CHH	-0.0126
Gm15	16975083	16976083	Gmdrm	hypo	CHH	-0.0779
Gm15	16977105	16978094	Gmdrm	hypo	CHH	-0.047
Gm15	16978168	16979156	Gmdrm	hypo	CHH	-0.0428
Gm15	16981210	16982201	Gmdrm	hypo	CHH	-0.0124
Gm15	16983370	16984360	Gmdrm	hypo	CHH	-0.0181
Gm15	16985399	16986385	Gmdrm	hypo	CHH	-0.2601
Gm15	16986441	16987213	Gmdrm	hypo	CHH	-0.0188
Gm15	17000941	17001937	Gmdrm	hypo	CHH	-0.0386
Gm15	17001943	17002913	Gmdrm	hypo	CHH	-0.0253
Gm15	17007403	17008354	Gmdrm	hypo	CHH	-0.0686
Gm15	17009559	17010557	Gmdrm	hypo	CHH	-0.0316
Gm15	17014265	17014668	Gmdrm	hypo	CHH	-0.0279
Gm15	17023259	17024259	Gmdrm	hypo	CHH	-0.0219
Gm15	17024268	17025255	Gmdrm	hypo	CHH	-0.0228
Gm15	17027876	17028870	Gmdrm	hypo	CHH	-0.0319
Gm15	17042617	17043589	Gmdrm	hypo	CHH	-0.036
Gm15	17050573	17051573	Gmdrm	hypo	CHH	-0.0958
Gm15	17051575	17052497	Gmdrm	hypo	CHH	-0.0592
Gm15	17071812	17072812	Gmdrm	hypo	CHH	-0.0339
Gm15	17074354	17075339	Gmdrm	hypo	CHH	-0.0558
Gm15	17075361	17076350	Gmdrm	hypo	CHH	-0.0456
Gm15	17103331	17104318	Gmdrm	hypo	CHH	-0.0885
Gm15	17121313	17121427	Gmdrm	hypo	CHH	-0.0466

Gm15	17123401	17123679	Gmdrm	hypo	CHH	-0.0663
Gm15	17125273	17126265	Gmdrm	hypo	CHH	-0.0634
Gm15	17128297	17129283	Gmdrm	hypo	CHH	-0.0612
Gm15	17129300	17130079	Gmdrm	hypo	CHH	-0.0781
Gm15	17130288	17130957	Gmdrm	hypo	CHH	-0.2345
Gm15	17167090	17168089	Gmdrm	hypo	CHH	-0.0965
Gm15	17201615	17202611	Gmdrm	hypo	CHH	-0.0739
Gm15	17202617	17203616	Gmdrm	hypo	CHH	-0.0384
Gm15	17203646	17204633	Gmdrm	hypo	CHH	-0.0157
Gm15	17225071	17226050	Gmdrm	hypo	CHH	-0.0158
Gm15	17226113	17226346	Gmdrm	hypo	CHH	-0.0575
Gm15	17228475	17229470	Gmdrm	hypo	CHH	-0.0216
Gm15	17229477	17230360	Gmdrm	hypo	CHH	-0.0229
Gm15	17255340	17256337	Gmdrm	hypo	CHH	-0.0536
Gm15	17257095	17257418	Gmdrm	hypo	CHH	-0.0679
Gm15	17267184	17268158	Gmdrm	hypo	CHH	-0.049
Gm15	17287447	17288445	Gmdrm	hypo	CHH	-0.0311
Gm15	17288460	17289314	Gmdrm	hypo	CHH	-0.0375
Gm15	17289426	17290418	Gmdrm	hypo	CHH	-0.0705
Gm15	17292838	17293826	Gmdrm	hypo	CHH	-0.0739
Gm15	17293846	17294795	Gmdrm	hypo	CHH	-0.0857
Gm15	17295710	17296709	Gmdrm	hypo	CHH	-0.0216
Gm15	17296717	17297714	Gmdrm	hypo	CHH	-0.0931
Gm15	17297739	17298732	Gmdrm	hypo	CHH	-0.0586
Gm15	17314859	17315826	Gmdrm	hypo	CHH	-0.1304
Gm15	17315865	17316861	Gmdrm	hypo	CHH	-0.1019
Gm15	17316868	17317845	Gmdrm	hypo	CHH	-0.0603
Gm15	17317870	17318348	Gmdrm	hypo	CHH	-0.031
Gm15	17329636	17330634	Gmdrm	hypo	CHH	-0.0955
Gm15	17330645	17331637	Gmdrm	hypo	CHH	-0.131
Gm15	17335192	17336185	Gmdrm	hypo	CHH	-0.1714
Gm15	17342356	17343348	Gmdrm	hypo	CHH	-0.0165
Gm15	17357842	17358481	Gmdrm	hypo	CHH	-0.0411
Gm15	17358975	17359540	Gmdrm	hypo	CHH	-0.063
Gm15	17360750	17361746	Gmdrm	hypo	CHH	-0.0472
Gm15	17377802	17378776	Gmdrm	hypo	CHH	-0.0834
Gm15	17381864	17382864	Gmdrm	hypo	CHH	-0.1024
Gm15	17383868	17384865	Gmdrm	hypo	CHH	-0.0414
Gm15	17384870	17385831	Gmdrm	hypo	CHH	-0.0596
Gm15	17409026	17410020	Gmdrm	hypo	CHH	-0.0388
Gm15	17419870	17420869	Gmdrm	hypo	CHH	-0.0361
Gm15	17497864	17498863	Gmdrm	hypo	CHH	-0.021
Gm15	17519599	17520588	Gmdrm	hypo	CHH	-0.0661
Gm15	17523775	17524468	Gmdrm	hypo	CHH	-0.0212
Gm15	17524717	17524871	Gmdrm	hypo	CHH	-0.06
Gm15	17539444	17540433	Gmdrm	hypo	CHH	-0.0414

Gm15	17541454	17542454	Gmdrm	hypo	CHH	-0.0638
Gm15	17544079	17545077	Gmdrm	hypo	CHH	-0.0132
Gm15	17545093	17545350	Gmdrm	hypo	CHH	-0.0252
Gm15	17547952	17548914	Gmdrm	hypo	CHH	-0.0159
Gm15	17568622	17569607	Gmdrm	hypo	CHH	-0.1892
Gm15	17577740	17578727	Gmdrm	hypo	CHH	-0.1443
Gm15	17578869	17579859	Gmdrm	hypo	CHH	-0.0306
Gm15	17584179	17585157	Gmdrm	hypo	CHH	-0.0883
Gm15	17586203	17587197	Gmdrm	hypo	CHH	-0.0146
Gm15	17590234	17591226	Gmdrm	hypo	CHH	-0.0156
Gm15	17593274	17594270	Gmdrm	hypo	CHH	-0.0274
Gm15	17607674	17608650	Gmdrm	hypo	CHH	-0.0293
Gm15	17608689	17609688	Gmdrm	hypo	CHH	-0.0632
Gm15	17649134	17650110	Gmdrm	hypo	CHH	-0.0476
Gm15	17680664	17681605	Gmdrm	hypo	CHH	-0.0172
Gm15	17699246	17699731	Gmdrm	hypo	CHH	-0.185
Gm15	17704136	17705119	Gmdrm	hypo	CHH	-0.0454
Gm15	17737032	17738026	Gmdrm	hypo	CHH	-0.2261
Gm15	17741060	17742054	Gmdrm	hypo	CHH	-0.1359
Gm15	17742068	17743015	Gmdrm	hypo	CHH	-0.07
Gm15	17750998	17751994	Gmdrm	hypo	CHH	-0.1162
Gm15	17789374	17790368	Gmdrm	hypo	CHH	-0.0074
Gm15	17916882	17916963	Gmdrm	hypo	CHH	-0.088
Gm15	17917066	17918063	Gmdrm	hypo	CHH	-0.0904
Gm15	17918067	17919065	Gmdrm	hypo	CHH	-0.1131
Gm15	17919071	17920062	Gmdrm	hypo	CHH	-0.0409
Gm15	17950992	17951991	Gmdrm	hypo	CHH	-0.1206
Gm15	17959462	17960457	Gmdrm	hypo	CHH	-0.0114
Gm15	17962208	17963206	Gmdrm	hypo	CHH	-0.0149
Gm15	17967082	17968081	Gmdrm	hypo	CHH	-0.1568
Gm15	17968083	17968537	Gmdrm	hypo	CHH	-0.0957
Gm15	18014931	18015225	Gmdrm	hypo	CHH	-0.0569
Gm15	18045152	18046139	Gmdrm	hypo	CHH	-0.033
Gm15	18047237	18048229	Gmdrm	hypo	CHH	-0.0587
Gm15	18048239	18049225	Gmdrm	hypo	CHH	-0.0158
Gm15	18060816	18061815	Gmdrm	hypo	CHH	-0.046
Gm15	18065036	18066034	Gmdrm	hypo	CHH	-0.0415
Gm15	18070509	18071507	Gmdrm	hypo	CHH	-0.0527
Gm15	18071519	18071961	Gmdrm	hypo	CHH	-0.0241
Gm15	18117223	18117275	Gmdrm	hypo	CHH	-0.0814
Gm15	18117402	18118400	Gmdrm	hypo	CHH	-0.0471
Gm15	18244480	18245443	Gmdrm	hypo	CHH	-0.0152
Gm15	18246499	18247482	Gmdrm	hypo	CHH	-0.027
Gm15	18247535	18248397	Gmdrm	hypo	CHH	-0.0949
Gm15	18280965	18281943	Gmdrm	hypo	CHH	-0.0474
Gm15	18310495	18311485	Gmdrm	hypo	CHH	-0.0197

Gm15	18311506	18312359	Gmdrm	hypo	CHH	-0.0197
Gm15	18324432	18325342	Gmdrm	hypo	CHH	-0.0248
Gm15	18337625	18338625	Gmdrm	hypo	CHH	-0.0816
Gm15	18342339	18343318	Gmdrm	hypo	CHH	-0.0828
Gm15	18343382	18344353	Gmdrm	hypo	CHH	-0.0175
Gm15	18384090	18385084	Gmdrm	hypo	CHH	-0.0284
Gm15	18396124	18397124	Gmdrm	hypo	CHH	-0.0498
Gm15	18397134	18397808	Gmdrm	hypo	CHH	-0.0276
Gm15	18413365	18414365	Gmdrm	hypo	CHH	-0.0181
Gm15	18443203	18444183	Gmdrm	hypo	CHH	-0.1562
Gm15	18444218	18445218	Gmdrm	hypo	CHH	-0.065
Gm15	18481595	18482592	Gmdrm	hypo	CHH	-0.0281
Gm15	18503347	18504306	Gmdrm	hypo	CHH	-0.0609
Gm15	18505358	18506315	Gmdrm	hypo	CHH	-0.0264
Gm15	18506474	18507456	Gmdrm	hypo	CHH	-0.035
Gm15	18586219	18587129	Gmdrm	hypo	CHH	-0.0442
Gm15	18596284	18597270	Gmdrm	hypo	CHH	-0.0433
Gm15	18598088	18599084	Gmdrm	hypo	CHH	-0.0222
Gm15	18599158	18600157	Gmdrm	hypo	CHH	-0.0149
Gm15	18605439	18606428	Gmdrm	hypo	CHH	-0.048
Gm15	18670127	18670166	Gmdrm	hypo	CHH	-0.0825
Gm15	18670276	18671275	Gmdrm	hypo	CHH	-0.0639
Gm15	18671279	18672279	Gmdrm	hypo	CHH	-0.0693
Gm15	18672283	18673222	Gmdrm	hypo	CHH	-0.1961
Gm15	18676121	18677114	Gmdrm	hypo	CHH	-0.0191
Gm15	18677135	18678131	Gmdrm	hypo	CHH	-0.028
Gm15	18681362	18682361	Gmdrm	hypo	CHH	-0.092
Gm15	18682363	18683345	Gmdrm	hypo	CHH	-0.0573
Gm15	18802943	18803848	Gmdrm	hypo	CHH	-0.0213
Gm15	18840993	18841991	Gmdrm	hypo	CHH	-0.0215
Gm15	18847055	18847856	Gmdrm	hypo	CHH	-0.0362
Gm15	18848370	18848919	Gmdrm	hypo	CHH	-0.0556
Gm15	18851200	18852198	Gmdrm	hypo	CHH	-0.0221
Gm15	18905773	18906766	Gmdrm	hypo	CHH	-0.1002
Gm15	18928546	18929517	Gmdrm	hypo	CHH	-0.0202
Gm15	18932647	18933095	Gmdrm	hypo	CHH	-0.0563
Gm15	18933551	18934530	Gmdrm	hypo	CHH	-0.0096
Gm15	18934559	18935544	Gmdrm	hypo	CHH	-0.0121
Gm15	18938069	18939067	Gmdrm	hypo	CHH	-0.0311
Gm15	18940112	18941103	Gmdrm	hypo	CHH	-0.0714
Gm15	18975240	18975959	Gmdrm	hypo	CHH	-0.1096
Gm15	18976191	18976267	Gmdrm	hypo	CHH	-0.126
Gm15	18976430	18976718	Gmdrm	hypo	CHH	-0.1878
Gm15	19028860	19029030	Gmdrm	hypo	CHH	-0.021
Gm15	19068670	19069024	Gmdrm	hypo	CHH	-0.0737
Gm15	19087377	19088373	Gmdrm	hypo	CHH	-0.0139

Gm15	19088396	19089393	Gmdrm	hypo	CHH	-0.0315
Gm15	19119783	19120775	Gmdrm	hypo	CHH	-0.0511
Gm15	19120786	19121773	Gmdrm	hypo	CHH	-0.0336
Gm15	19122803	19123795	Gmdrm	hypo	CHH	-0.0141
Gm15	19124640	19125235	Gmdrm	hypo	CHH	-0.078
Gm15	19185317	19186313	Gmdrm	hypo	CHH	-0.0256
Gm15	19191131	19192125	Gmdrm	hypo	CHH	-0.0189
Gm15	19199812	19199973	Gmdrm	hypo	CHH	-0.1011
Gm15	19205080	19206074	Gmdrm	hypo	CHH	-0.2195
Gm15	19206081	19207081	Gmdrm	hypo	CHH	-0.0516
Gm15	19221985	19222984	Gmdrm	hypo	CHH	-0.064
Gm15	19243178	19244174	Gmdrm	hypo	CHH	-0.0184
Gm15	19245195	19246138	Gmdrm	hypo	CHH	-0.0243
Gm15	19315075	19316074	Gmdrm	hypo	CHH	-0.0416
Gm15	19345528	19346528	Gmdrm	hypo	CHH	-0.0107
Gm15	19353446	19354436	Gmdrm	hypo	CHH	-0.0353
Gm15	19360251	19361236	Gmdrm	hypo	CHH	-0.0889
Gm15	19370816	19371813	Gmdrm	hypo	CHH	-0.0296
Gm15	19380892	19381866	Gmdrm	hypo	CHH	-0.0455
Gm15	19395582	19396563	Gmdrm	hypo	CHH	-0.0157
Gm15	19479549	19480528	Gmdrm	hypo	CHH	-0.0594
Gm15	19482461	19483452	Gmdrm	hypo	CHH	-0.0173
Gm15	19483488	19483821	Gmdrm	hypo	CHH	-0.0761
Gm15	19483938	19484916	Gmdrm	hypo	CHH	-0.0735
Gm15	19484946	19485946	Gmdrm	hypo	CHH	-0.0378
Gm15	19491989	19492956	Gmdrm	hypo	CHH	-0.0482
Gm15	19502001	19502996	Gmdrm	hypo	CHH	-0.0466
Gm15	19505219	19506200	Gmdrm	hypo	CHH	-0.0359
Gm15	19535361	19536359	Gmdrm	hypo	CHH	-0.09
Gm15	19536363	19536920	Gmdrm	hypo	CHH	-0.2923
Gm15	19539108	19540103	Gmdrm	hypo	CHH	-0.0499
Gm15	19540109	19541103	Gmdrm	hypo	CHH	-0.0705
Gm15	19542506	19543389	Gmdrm	hypo	CHH	-0.0703
Gm15	19543808	19544808	Gmdrm	hypo	CHH	-0.0732
Gm15	19544811	19545789	Gmdrm	hypo	CHH	-0.017
Gm15	19547138	19548131	Gmdrm	hypo	CHH	-0.0556
Gm15	19549190	19550155	Gmdrm	hypo	CHH	-0.0134
Gm15	19616437	19617410	Gmdrm	hypo	CHH	-0.026
Gm15	19619988	19620969	Gmdrm	hypo	CHH	-0.0211
Gm15	19623475	19624473	Gmdrm	hypo	CHH	-0.0093
Gm15	19641707	19642276	Gmdrm	hypo	CHH	-0.0216
Gm15	19642898	19643895	Gmdrm	hypo	CHH	-0.0132
Gm15	19643900	19644898	Gmdrm	hypo	CHH	-0.0171
Gm15	19644903	19645898	Gmdrm	hypo	CHH	-0.015
Gm15	19645904	19646902	Gmdrm	hypo	CHH	-0.0156
Gm15	20455767	20456754	Gmdrm	hypo	CHH	-0.0284

Gm15	20456768	20457766	Gmdrm	hypo	CHH	-0.0242
Gm15	20457771	20458763	Gmdrm	hypo	CHH	-0.0227
Gm15	20472209	20473206	Gmdrm	hypo	CHH	-0.0303
Gm15	20473211	20474196	Gmdrm	hypo	CHH	-0.0305
Gm15	20476693	20477627	Gmdrm	hypo	CHH	-0.0197
Gm15	20483372	20484369	Gmdrm	hypo	CHH	-0.0853
Gm15	20484527	20485508	Gmdrm	hypo	CHH	-0.0861
Gm15	20485546	20486533	Gmdrm	hypo	CHH	-0.1459
Gm15	20487561	20488555	Gmdrm	hypo	CHH	-0.0852
Gm15	20488562	20489560	Gmdrm	hypo	CHH	-0.0773
Gm15	20489569	20490564	Gmdrm	hypo	CHH	-0.0216
Gm15	20490571	20491564	Gmdrm	hypo	CHH	-0.0217
Gm15	20502098	20503096	Gmdrm	hypo	CHH	-0.0112
Gm15	20507885	20508881	Gmdrm	hypo	CHH	-0.1021
Gm15	20508890	20509216	Gmdrm	hypo	CHH	-0.0266
Gm15	20518822	20519815	Gmdrm	hypo	CHH	-0.0778
Gm15	20521541	20522537	Gmdrm	hypo	CHH	-0.0205
Gm15	20522549	20523537	Gmdrm	hypo	CHH	-0.0403
Gm15	20526969	20527953	Gmdrm	hypo	CHH	-0.1058
Gm15	20533995	20534991	Gmdrm	hypo	CHH	-0.02
Gm15	20536924	20537536	Gmdrm	hypo	CHH	-0.0352
Gm15	20540086	20541086	Gmdrm	hypo	CHH	-0.0198
Gm15	20541091	20541611	Gmdrm	hypo	CHH	-0.0418
Gm15	20564767	20565289	Gmdrm	hypo	CHH	-0.0289
Gm15	20565590	20565739	Gmdrm	hypo	CHH	-0.0322
Gm15	20567954	20568945	Gmdrm	hypo	CHH	-0.0144
Gm15	20570009	20570981	Gmdrm	hypo	CHH	-0.0703
Gm15	20593276	20594274	Gmdrm	hypo	CHH	-0.0181
Gm15	20601646	20602642	Gmdrm	hypo	CHH	-0.0378
Gm15	20639749	20640210	Gmdrm	hypo	CHH	-0.0591
Gm15	20640397	20641385	Gmdrm	hypo	CHH	-0.0333
Gm15	20698540	20699534	Gmdrm	hypo	CHH	-0.1009
Gm15	20735235	20736209	Gmdrm	hypo	CHH	-0.0435
Gm15	20765497	20766492	Gmdrm	hypo	CHH	-0.0293
Gm15	20766515	20767493	Gmdrm	hypo	CHH	-0.0388
Gm15	20768856	20769852	Gmdrm	hypo	CHH	-0.0338
Gm15	20837300	20838293	Gmdrm	hypo	CHH	-0.0138
Gm15	20843846	20844843	Gmdrm	hypo	CHH	-0.0265
Gm15	20844848	20845835	Gmdrm	hypo	CHH	-0.0533
Gm15	20868834	20869829	Gmdrm	hypo	CHH	-0.0121
Gm15	20870274	20871265	Gmdrm	hypo	CHH	-0.0117
Gm15	20890359	20891355	Gmdrm	hypo	CHH	-0.0488
Gm15	20891362	20892246	Gmdrm	hypo	CHH	-0.0224
Gm15	20901274	20902264	Gmdrm	hypo	CHH	-0.099
Gm15	20902292	20902733	Gmdrm	hypo	CHH	-0.02
Gm15	20915854	20916300	Gmdrm	hypo	CHH	-0.0293

Gm15	20919471	20920466	Gmdrm	hypo	CHH	-0.0904
Gm15	20920472	20921470	Gmdrm	hypo	CHH	-0.0373
Gm15	20921478	20922102	Gmdrm	hypo	CHH	-0.0383
Gm15	20972096	20973094	Gmdrm	hypo	CHH	-0.0693
Gm15	20973100	20974093	Gmdrm	hypo	CHH	-0.0912
Gm15	20981402	20982011	Gmdrm	hypo	CHH	-0.2048
Gm15	20984421	20985421	Gmdrm	hypo	CHH	-0.1033
Gm15	20985425	20985671	Gmdrm	hypo	CHH	-0.167
Gm15	21008918	21009915	Gmdrm	hypo	CHH	-0.0346
Gm15	21022383	21023373	Gmdrm	hypo	CHH	-0.157
Gm15	21026411	21027410	Gmdrm	hypo	CHH	-0.0637
Gm15	21027419	21028394	Gmdrm	hypo	CHH	-0.0458
Gm15	21033236	21034209	Gmdrm	hypo	CHH	-0.286
Gm15	21034611	21035581	Gmdrm	hypo	CHH	-0.036
Gm15	21035685	21036685	Gmdrm	hypo	CHH	-0.0371
Gm15	21098503	21099482	Gmdrm	hypo	CHH	-0.0643
Gm15	21104211	21105205	Gmdrm	hypo	CHH	-0.0462
Gm15	21107719	21108704	Gmdrm	hypo	CHH	-0.0406
Gm15	21108725	21109718	Gmdrm	hypo	CHH	-0.044
Gm15	21109741	21110741	Gmdrm	hypo	CHH	-0.302
Gm15	21110747	21111734	Gmdrm	hypo	CHH	-0.1386
Gm15	21111755	21112731	Gmdrm	hypo	CHH	-0.102
Gm15	21112763	21113752	Gmdrm	hypo	CHH	-0.1268
Gm15	21116935	21117046	Gmdrm	hypo	CHH	-0.03
Gm15	21119161	21120154	Gmdrm	hypo	CHH	-0.1539
Gm15	21120189	21121180	Gmdrm	hypo	CHH	-0.0142
Gm15	21121415	21122414	Gmdrm	hypo	CHH	-0.1286
Gm15	21140180	21141171	Gmdrm	hypo	CHH	-0.0586
Gm15	21184941	21185895	Gmdrm	hypo	CHH	-0.0692
Gm15	21190464	21191464	Gmdrm	hypo	CHH	-0.0842
Gm15	21204115	21205085	Gmdrm	hypo	CHH	-0.0503
Gm15	21208279	21209279	Gmdrm	hypo	CHH	-0.0988
Gm15	21209284	21210284	Gmdrm	hypo	CHH	-0.1257
Gm15	21210298	21211278	Gmdrm	hypo	CHH	-0.0942
Gm15	21221707	21221775	Gmdrm	hypo	CHH	-0.07
Gm15	21225269	21225417	Gmdrm	hypo	CHH	-0.0748
Gm15	21227885	21228857	Gmdrm	hypo	CHH	-0.0122
Gm15	21231912	21232651	Gmdrm	hypo	CHH	-0.0578
Gm15	21248080	21249075	Gmdrm	hypo	CHH	-0.0338
Gm15	21249085	21249674	Gmdrm	hypo	CHH	-0.0237
Gm15	21253461	21254051	Gmdrm	hypo	CHH	-0.0388
Gm15	21256351	21257347	Gmdrm	hypo	CHH	-0.271
Gm15	21301439	21302438	Gmdrm	hypo	CHH	-0.0462
Gm15	21321388	21322378	Gmdrm	hypo	CHH	-0.0303
Gm15	21322393	21323383	Gmdrm	hypo	CHH	-0.0346
Gm15	21323411	21323939	Gmdrm	hypo	CHH	-0.0518

Gm15	21332294	21333278	Gmdrm	hypo	CHH	-0.1018
Gm15	21389524	21390516	Gmdrm	hypo	CHH	-0.0243
Gm15	21390526	21391522	Gmdrm	hypo	CHH	-0.1284
Gm15	21391536	21392312	Gmdrm	hypo	CHH	-0.3894
Gm15	21399587	21400585	Gmdrm	hypo	CHH	-0.1934
Gm15	21401559	21402546	Gmdrm	hypo	CHH	-0.0358
Gm15	21448123	21449100	Gmdrm	hypo	CHH	-0.1756
Gm15	21449152	21450135	Gmdrm	hypo	CHH	-0.0593
Gm15	21455203	21456203	Gmdrm	hypo	CHH	-0.0242
Gm15	21464083	21465080	Gmdrm	hypo	CHH	-0.0347
Gm15	21465090	21466073	Gmdrm	hypo	CHH	-0.0291
Gm15	21466101	21467074	Gmdrm	hypo	CHH	-0.0335
Gm15	21469445	21470443	Gmdrm	hypo	CHH	-0.0308
Gm15	21472470	21473455	Gmdrm	hypo	CHH	-0.0302
Gm15	21554042	21555012	Gmdrm	hypo	CHH	-0.018
Gm15	21556092	21557083	Gmdrm	hypo	CHH	-0.0201
Gm15	21570227	21571227	Gmdrm	hypo	CHH	-0.0866
Gm15	21583507	21583676	Gmdrm	hypo	CHH	-0.0512
Gm15	21585807	21586767	Gmdrm	hypo	CHH	-0.0147
Gm15	21586863	21587863	Gmdrm	hypo	CHH	-0.0377
Gm15	21602515	21603514	Gmdrm	hypo	CHH	-0.0288
Gm15	21608548	21609546	Gmdrm	hypo	CHH	-0.0188
Gm15	21609553	21610552	Gmdrm	hypo	CHH	-0.0405
Gm15	21611577	21612548	Gmdrm	hypo	CHH	-0.0663
Gm15	21632658	21633654	Gmdrm	hypo	CHH	-0.0216
Gm15	21645475	21646469	Gmdrm	hypo	CHH	-0.0508
Gm15	21663172	21664120	Gmdrm	hypo	CHH	-0.0534
Gm15	21668626	21668975	Gmdrm	hypo	CHH	-0.0343
Gm15	21669099	21669859	Gmdrm	hypo	CHH	-0.0256
Gm15	21673384	21674371	Gmdrm	hypo	CHH	-0.0269
Gm15	21694201	21695197	Gmdrm	hypo	CHH	-0.0612
Gm15	21725390	21726386	Gmdrm	hypo	CHH	-0.0324
Gm15	21726433	21727403	Gmdrm	hypo	CHH	-0.0145
Gm15	21730765	21731730	Gmdrm	hypo	CHH	-0.0756
Gm15	21732789	21733308	Gmdrm	hypo	CHH	-0.0244
Gm15	21736743	21737743	Gmdrm	hypo	CHH	-0.0217
Gm15	21754206	21755066	Gmdrm	hypo	CHH	-0.0798
Gm15	21755279	21756277	Gmdrm	hypo	CHH	-0.0739
Gm15	21796264	21797260	Gmdrm	hypo	CHH	-0.0271
Gm15	21798710	21799698	Gmdrm	hypo	CHH	-0.0266
Gm15	21801744	21802000	Gmdrm	hypo	CHH	-0.0467
Gm15	21804250	21805181	Gmdrm	hypo	CHH	-0.0275
Gm15	21815098	21815933	Gmdrm	hypo	CHH	-0.0847
Gm15	21846377	21847284	Gmdrm	hypo	CHH	-0.2692
Gm15	21879496	21880201	Gmdrm	hypo	CHH	-0.0352
Gm15	21928638	21929565	Gmdrm	hypo	CHH	-0.0201

Gm15	21931681	21932674	Gmdrm	hypo	CHH	-0.0479
Gm15	21945261	21945596	Gmdrm	hypo	CHH	-0.0969
Gm15	21976447	21976902	Gmdrm	hypo	CHH	-0.0204
Gm15	21991150	21992150	Gmdrm	hypo	CHH	-0.0359
Gm15	22033855	22034411	Gmdrm	hypo	CHH	-0.0797
Gm15	22037583	22038577	Gmdrm	hypo	CHH	-0.0214
Gm15	22040805	22041802	Gmdrm	hypo	CHH	-0.0982
Gm15	22063218	22063374	Gmdrm	hypo	CHH	-0.1824
Gm15	22181545	22182026	Gmdrm	hypo	CHH	-0.0565
Gm15	22182195	22183195	Gmdrm	hypo	CHH	-0.2528
Gm15	22183196	22184192	Gmdrm	hypo	CHH	-0.132
Gm15	22198272	22199237	Gmdrm	hypo	CHH	-0.0457
Gm15	22237028	22238022	Gmdrm	hypo	CHH	-0.0734
Gm15	22239311	22240306	Gmdrm	hypo	CHH	-0.041
Gm15	22247917	22248911	Gmdrm	hypo	CHH	-0.0287
Gm15	22250003	22250439	Gmdrm	hypo	CHH	-0.0216
Gm15	22251578	22252005	Gmdrm	hypo	CHH	-0.03
Gm15	22255402	22256400	Gmdrm	hypo	CHH	-0.0467
Gm15	22256797	22257790	Gmdrm	hypo	CHH	-0.1034
Gm15	22258587	22259475	Gmdrm	hypo	CHH	-0.3397
Gm15	22269277	22270256	Gmdrm	hypo	CHH	-0.0481
Gm15	22332802	22333802	Gmdrm	hypo	CHH	-0.0396
Gm15	22334866	22335837	Gmdrm	hypo	CHH	-0.0792
Gm15	22335872	22336857	Gmdrm	hypo	CHH	-0.0181
Gm15	22433686	22434624	Gmdrm	hypo	CHH	-0.0191
Gm15	22475221	22476216	Gmdrm	hypo	CHH	-0.0269
Gm15	22513277	22513727	Gmdrm	hypo	CHH	-0.0207
Gm15	22615620	22616615	Gmdrm	hypo	CHH	-0.0714
Gm15	22616622	22617163	Gmdrm	hypo	CHH	-0.1848
Gm15	22619415	22620412	Gmdrm	hypo	CHH	-0.0188
Gm15	22627395	22628381	Gmdrm	hypo	CHH	-0.0765
Gm15	22647247	22648220	Gmdrm	hypo	CHH	-0.0199
Gm15	22755096	22756071	Gmdrm	hypo	CHH	-0.0251
Gm15	22788218	22789218	Gmdrm	hypo	CHH	-0.0377
Gm15	22789234	22789535	Gmdrm	hypo	CHH	-0.0452
Gm15	22848735	22849722	Gmdrm	hypo	CHH	-0.0265
Gm15	22924859	22925859	Gmdrm	hypo	CHH	-0.023
Gm15	22945504	22945711	Gmdrm	hypo	CHH	-0.0528
Gm15	23016379	23017264	Gmdrm	hypo	CHH	-0.0904
Gm15	23017931	23018931	Gmdrm	hypo	CHH	-0.05
Gm15	23018944	23019927	Gmdrm	hypo	CHH	-0.1395
Gm15	23020217	23021212	Gmdrm	hypo	CHH	-0.077
Gm15	23042472	23043408	Gmdrm	hypo	CHH	-0.0283
Gm15	23044064	23044689	Gmdrm	hypo	CHH	-0.0314
Gm15	23069833	23070829	Gmdrm	hypo	CHH	-0.0301
Gm15	23114489	23115469	Gmdrm	hypo	CHH	-0.0616

Gm15	23128778	23129777	Gmdrm	hypo	CHH	-0.0233
Gm15	23129780	23130752	Gmdrm	hypo	CHH	-0.0269
Gm15	23133276	23134276	Gmdrm	hypo	CHH	-0.0218
Gm15	23136322	23137314	Gmdrm	hypo	CHH	-0.0125
Gm15	23143696	23144681	Gmdrm	hypo	CHH	-0.0248
Gm15	23144770	23145765	Gmdrm	hypo	CHH	-0.0168
Gm15	23146840	23147840	Gmdrm	hypo	CHH	-0.0314
Gm15	23221427	23222426	Gmdrm	hypo	CHH	-0.0585
Gm15	23236096	23237055	Gmdrm	hypo	CHH	-0.0191
Gm15	23240046	23241040	Gmdrm	hypo	CHH	-0.0661
Gm15	23241053	23242027	Gmdrm	hypo	CHH	-0.0644
Gm15	23265062	23266046	Gmdrm	hypo	CHH	-0.0623
Gm15	23269271	23270239	Gmdrm	hypo	CHH	-0.0154
Gm15	23271352	23272320	Gmdrm	hypo	CHH	-0.0193
Gm15	23273627	23274624	Gmdrm	hypo	CHH	-0.0649
Gm15	23302940	23303934	Gmdrm	hypo	CHH	-0.0374
Gm15	23338545	23339535	Gmdrm	hypo	CHH	-0.0321
Gm15	23353639	23354381	Gmdrm	hypo	CHH	-0.0504
Gm15	23355520	23356489	Gmdrm	hypo	CHH	-0.0243
Gm15	23356525	23357506	Gmdrm	hypo	CHH	-0.1935
Gm15	23363824	23364823	Gmdrm	hypo	CHH	-0.0152
Gm15	23368747	23369734	Gmdrm	hypo	CHH	-0.0282
Gm15	23424626	23425616	Gmdrm	hypo	CHH	-0.0551
Gm15	23443752	23444416	Gmdrm	hypo	CHH	-0.074
Gm15	23477813	23478771	Gmdrm	hypo	CHH	-0.0181
Gm15	23514110	23514416	Gmdrm	hypo	CHH	-0.0371
Gm15	23515153	23516148	Gmdrm	hypo	CHH	-0.1102
Gm15	23523576	23524573	Gmdrm	hypo	CHH	-0.2928
Gm15	23527199	23528196	Gmdrm	hypo	CHH	-0.06
Gm15	23529203	23530200	Gmdrm	hypo	CHH	-0.0412
Gm15	23540417	23541416	Gmdrm	hypo	CHH	-0.05
Gm15	23543499	23544496	Gmdrm	hypo	CHH	-0.061
Gm15	23613894	23614887	Gmdrm	hypo	CHH	-0.0494
Gm15	23614897	23615549	Gmdrm	hypo	CHH	-0.1334
Gm15	23634091	23635071	Gmdrm	hypo	CHH	-0.0523
Gm15	23635097	23636089	Gmdrm	hypo	CHH	-0.0328
Gm15	23637101	23638091	Gmdrm	hypo	CHH	-0.0148
Gm15	23639228	23639551	Gmdrm	hypo	CHH	-0.1732
Gm15	23641909	23642903	Gmdrm	hypo	CHH	-0.1092
Gm15	23650716	23651695	Gmdrm	hypo	CHH	-0.1572
Gm15	23684487	23685474	Gmdrm	hypo	CHH	-0.0213
Gm15	23702506	23703498	Gmdrm	hypo	CHH	-0.0346
Gm15	23707405	23708403	Gmdrm	hypo	CHH	-0.0233
Gm15	23774311	23775292	Gmdrm	hypo	CHH	-0.0459
Gm15	23775367	23775678	Gmdrm	hypo	CHH	-0.0407
Gm15	23781838	23782816	Gmdrm	hypo	CHH	-0.055

Gm15	23789337	23790331	Gmdrm	hypo	CHH	-0.177
Gm15	23800711	23801704	Gmdrm	hypo	CHH	-0.0431
Gm15	23804526	23805516	Gmdrm	hypo	CHH	-0.0145
Gm15	23821244	23822214	Gmdrm	hypo	CHH	-0.0408
Gm15	23850054	23850444	Gmdrm	hypo	CHH	-0.0645
Gm15	23850549	23851528	Gmdrm	hypo	CHH	-0.061
Gm15	23866927	23867840	Gmdrm	hypo	CHH	-0.0211
Gm15	23883951	23884473	Gmdrm	hypo	CHH	-0.0186
Gm15	23885609	23886601	Gmdrm	hypo	CHH	-0.0116
Gm15	23887300	23888293	Gmdrm	hypo	CHH	-0.0281
Gm15	23889371	23890370	Gmdrm	hypo	CHH	-0.0407
Gm15	23915844	23916838	Gmdrm	hypo	CHH	-0.0155
Gm15	23921079	23922073	Gmdrm	hypo	CHH	-0.0463
Gm15	23947816	23948808	Gmdrm	hypo	CHH	-0.0369
Gm15	23993936	23994904	Gmdrm	hypo	CHH	-0.05
Gm15	23997171	23997501	Gmdrm	hypo	CHH	-0.0671
Gm15	24002773	24003741	Gmdrm	hypo	CHH	-0.0175
Gm15	24015136	24016129	Gmdrm	hypo	CHH	-0.0555
Gm15	24019067	24019602	Gmdrm	hypo	CHH	-0.0533
Gm15	24021082	24022051	Gmdrm	hypo	CHH	-0.0843
Gm15	24071238	24072233	Gmdrm	hypo	CHH	-0.1148
Gm15	24072243	24073238	Gmdrm	hypo	CHH	-0.1274
Gm15	24076124	24076809	Gmdrm	hypo	CHH	-0.0559
Gm15	24110132	24111113	Gmdrm	hypo	CHH	-0.0537
Gm15	24127234	24128225	Gmdrm	hypo	CHH	-0.0306
Gm15	24141784	24142784	Gmdrm	hypo	CHH	-0.0629
Gm15	24149220	24150206	Gmdrm	hypo	CHH	-0.1771
Gm15	24154360	24154562	Gmdrm	hypo	CHH	-0.14
Gm15	24154674	24154836	Gmdrm	hypo	CHH	-0.145
Gm15	24272216	24272945	Gmdrm	hypo	CHH	-0.0237
Gm15	24298972	24299962	Gmdrm	hypo	CHH	-0.0207
Gm15	24318643	24319596	Gmdrm	hypo	CHH	-0.025
Gm15	24323003	24323994	Gmdrm	hypo	CHH	-0.0585
Gm15	24354248	24355236	Gmdrm	hypo	CHH	-0.0738
Gm15	24389028	24390028	Gmdrm	hypo	CHH	-0.0388
Gm15	24395054	24396048	Gmdrm	hypo	CHH	-0.0929
Gm15	24396057	24396781	Gmdrm	hypo	CHH	-0.0959
Gm15	24399970	24400953	Gmdrm	hypo	CHH	-0.0179
Gm15	24403775	24404765	Gmdrm	hypo	CHH	-0.1034
Gm15	24407750	24408705	Gmdrm	hypo	CHH	-0.0173
Gm15	24414775	24415774	Gmdrm	hypo	CHH	-0.0489
Gm15	24458829	24459029	Gmdrm	hypo	CHH	-0.0343
Gm15	24460140	24461129	Gmdrm	hypo	CHH	-0.0488
Gm15	24461165	24462123	Gmdrm	hypo	CHH	-0.0491
Gm15	24462172	24463165	Gmdrm	hypo	CHH	-0.0393
Gm15	24467314	24468309	Gmdrm	hypo	CHH	-0.0939

Gm15	24468323	24469318	Gmdrm	hypo	CHH	-0.0183
Gm15	24470327	24471125	Gmdrm	hypo	CHH	-0.0254
Gm15	24586117	24586193	Gmdrm	hypo	CHH	-0.205
Gm15	24613569	24614550	Gmdrm	hypo	CHH	-0.184
Gm15	24615585	24616583	Gmdrm	hypo	CHH	-0.0771
Gm15	24634562	24635562	Gmdrm	hypo	CHH	-0.093
Gm15	24637683	24638681	Gmdrm	hypo	CHH	-0.0557
Gm15	24647265	24647387	Gmdrm	hypo	CHH	-0.2441
Gm15	24650835	24651100	Gmdrm	hypo	CHH	-0.1396
Gm15	24781837	24782834	Gmdrm	hypo	CHH	-0.0184
Gm15	24822305	24822624	Gmdrm	hypo	CHH	-0.1641
Gm15	24865002	24866001	Gmdrm	hypo	CHH	-0.0284
Gm15	24867007	24868002	Gmdrm	hypo	CHH	-0.0403
Gm15	24868009	24868986	Gmdrm	hypo	CHH	-0.0234
Gm15	24869554	24870500	Gmdrm	hypo	CHH	-0.0313
Gm15	24880430	24881420	Gmdrm	hypo	CHH	-0.0593
Gm15	24884099	24885096	Gmdrm	hypo	CHH	-0.1477
Gm15	24885104	24886104	Gmdrm	hypo	CHH	-0.0593
Gm15	24904429	24904554	Gmdrm	hypo	CHH	-0.1487
Gm15	24932011	24932909	Gmdrm	hypo	CHH	-0.0138
Gm15	24934652	24935609	Gmdrm	hypo	CHH	-0.1467
Gm15	24935678	24936676	Gmdrm	hypo	CHH	-0.0972
Gm15	24937710	24937785	Gmdrm	hypo	CHH	-0.042
Gm15	24991518	24992518	Gmdrm	hypo	CHH	-0.026
Gm15	25070942	25071500	Gmdrm	hypo	CHH	-0.0696
Gm15	25076501	25077496	Gmdrm	hypo	CHH	-0.0316
Gm15	25077510	25078496	Gmdrm	hypo	CHH	-0.0174
Gm15	25087092	25088064	Gmdrm	hypo	CHH	-0.0249
Gm15	25260477	25261453	Gmdrm	hypo	CHH	-0.0153
Gm15	25266963	25267953	Gmdrm	hypo	CHH	-0.0426
Gm15	25267972	25268951	Gmdrm	hypo	CHH	-0.0575
Gm15	25290318	25291313	Gmdrm	hypo	CHH	-0.0174
Gm15	25291327	25292183	Gmdrm	hypo	CHH	-0.0206
Gm15	25292755	25293509	Gmdrm	hypo	CHH	-0.1041
Gm15	25294643	25295639	Gmdrm	hypo	CHH	-0.0301
Gm15	25357333	25358327	Gmdrm	hypo	CHH	-0.1788
Gm15	25358335	25359324	Gmdrm	hypo	CHH	-0.0386
Gm15	25364804	25365802	Gmdrm	hypo	CHH	-0.0739
Gm15	25365807	25366790	Gmdrm	hypo	CHH	-0.054
Gm15	25368852	25369849	Gmdrm	hypo	CHH	-0.3486
Gm15	25384929	25385924	Gmdrm	hypo	CHH	-0.0293
Gm15	25407986	25408983	Gmdrm	hypo	CHH	-0.0417
Gm15	25421757	25422753	Gmdrm	hypo	CHH	-0.0401
Gm15	25435076	25436076	Gmdrm	hypo	CHH	-0.0562
Gm15	25436078	25437076	Gmdrm	hypo	CHH	-0.0465
Gm15	25465021	25466013	Gmdrm	hypo	CHH	-0.0258

Gm15	25470085	25471032	Gmdrm	hypo	CHH	-0.0208
Gm15	25471092	25471253	Gmdrm	hypo	CHH	-0.0433
Gm15	25475879	25476854	Gmdrm	hypo	CHH	-0.0242
Gm15	25490708	25491706	Gmdrm	hypo	CHH	-0.0612
Gm15	25492477	25493475	Gmdrm	hypo	CHH	-0.015
Gm15	25495494	25496472	Gmdrm	hypo	CHH	-0.0344
Gm15	25498061	25498555	Gmdrm	hypo	CHH	-0.0332
Gm15	25541258	25542255	Gmdrm	hypo	CHH	-0.0488
Gm15	25565452	25566452	Gmdrm	hypo	CHH	-0.021
Gm15	25567468	25568177	Gmdrm	hypo	CHH	-0.0298
Gm15	25568458	25569457	Gmdrm	hypo	CHH	-0.0423
Gm15	25569459	25570456	Gmdrm	hypo	CHH	-0.0475
Gm15	25574333	25575329	Gmdrm	hypo	CHH	-0.0266
Gm15	25641955	25642950	Gmdrm	hypo	CHH	-0.0616
Gm15	25644127	25645126	Gmdrm	hypo	CHH	-0.3525
Gm15	25645129	25646100	Gmdrm	hypo	CHH	-0.1963
Gm15	25651779	25652730	Gmdrm	hypo	CHH	-0.0807
Gm15	25652846	25653796	Gmdrm	hypo	CHH	-0.0952
Gm15	25660838	25661835	Gmdrm	hypo	CHH	-0.0887
Gm15	25666566	25667485	Gmdrm	hypo	CHH	-0.0407
Gm15	25667696	25668659	Gmdrm	hypo	CHH	-0.0505
Gm15	25955783	25955987	Gmdrm	hypo	CHH	-0.0803
Gm15	25956237	25957236	Gmdrm	hypo	CHH	-0.0472
Gm15	25958282	25959061	Gmdrm	hypo	CHH	-0.0152
Gm15	25966770	25967741	Gmdrm	hypo	CHH	-0.0354
Gm15	25972501	25973193	Gmdrm	hypo	CHH	-0.0624
Gm15	26150125	26151112	Gmdrm	hypo	CHH	-0.0535
Gm15	26151127	26151694	Gmdrm	hypo	CHH	-0.0482
Gm15	26264050	26265048	Gmdrm	hypo	CHH	-0.0565
Gm15	26288831	26289800	Gmdrm	hypo	CHH	-0.0377
Gm15	26292956	26293951	Gmdrm	hypo	CHH	-0.0203
Gm15	26341070	26341456	Gmdrm	hypo	CHH	-0.0894
Gm15	26396350	26397349	Gmdrm	hypo	CHH	-0.0465
Gm15	26398710	26399699	Gmdrm	hypo	CHH	-0.0917
Gm15	26420584	26421579	Gmdrm	hypo	CHH	-0.0177
Gm15	26421586	26422581	Gmdrm	hypo	CHH	-0.0308
Gm15	26422602	26423601	Gmdrm	hypo	CHH	-0.045
Gm15	26423605	26424600	Gmdrm	hypo	CHH	-0.0445
Gm15	26424611	26425608	Gmdrm	hypo	CHH	-0.037
Gm15	26425614	26426270	Gmdrm	hypo	CHH	-0.0586
Gm15	26426623	26427596	Gmdrm	hypo	CHH	-0.0258
Gm15	26427656	26428651	Gmdrm	hypo	CHH	-0.028
Gm15	26518064	26519064	Gmdrm	hypo	CHH	-0.0588
Gm15	26519084	26520003	Gmdrm	hypo	CHH	-0.0377
Gm15	26524758	26525750	Gmdrm	hypo	CHH	-0.0119
Gm15	26525759	26526118	Gmdrm	hypo	CHH	-0.0206

Gm15	26527774	26528724	Gmdrm	hypo	CHH	-0.0152
Gm15	26542837	26543835	Gmdrm	hypo	CHH	-0.0485
Gm15	26571637	26572635	Gmdrm	hypo	CHH	-0.0357
Gm15	26730844	26731844	Gmdrm	hypo	CHH	-0.1526
Gm15	26745271	26746234	Gmdrm	hypo	CHH	-0.0182
Gm15	26752709	26753704	Gmdrm	hypo	CHH	-0.142
Gm15	26800134	26800941	Gmdrm	hypo	CHH	-0.0303
Gm15	26805396	26806391	Gmdrm	hypo	CHH	-0.0594
Gm15	26813005	26813380	Gmdrm	hypo	CHH	-0.03
Gm15	26817542	26818541	Gmdrm	hypo	CHH	-0.0502
Gm15	26960853	26961062	Gmdrm	hypo	CHH	-0.1885
Gm15	27039179	27039322	Gmdrm	hypo	CHH	-0.22
Gm15	27067014	27068010	Gmdrm	hypo	CHH	-0.0469
Gm15	27140929	27140989	Gmdrm	hypo	CHH	-0.21
Gm15	27173328	27173471	Gmdrm	hypo	CHH	-0.2713
Gm15	27339462	27340450	Gmdrm	hypo	CHH	-0.0226
Gm15	27368027	27368383	Gmdrm	hypo	CHH	-0.0177
Gm15	27682675	27683652	Gmdrm	hypo	CHH	-0.0371
Gm15	27694554	27694578	Gmdrm	hypo	CHH	-0.032
Gm15	27735206	27735752	Gmdrm	hypo	CHH	-0.0449
Gm15	27768658	27769629	Gmdrm	hypo	CHH	-0.1862
Gm15	27769664	27770395	Gmdrm	hypo	CHH	-0.079
Gm15	27771704	27771891	Gmdrm	hypo	CHH	-0.1507
Gm15	27772069	27773010	Gmdrm	hypo	CHH	-0.1271
Gm15	27774247	27775243	Gmdrm	hypo	CHH	-0.0228
Gm15	27862279	27862766	Gmdrm	hypo	CHH	-0.0606
Gm15	28049319	28050285	Gmdrm	hypo	CHH	-0.0925
Gm15	28053401	28053524	Gmdrm	hypo	CHH	-0.0515
Gm15	28056095	28057087	Gmdrm	hypo	CHH	-0.0471
Gm15	28112396	28113388	Gmdrm	hypo	CHH	-0.0271
Gm15	28114422	28115361	Gmdrm	hypo	CHH	-0.0315
Gm15	28116261	28117245	Gmdrm	hypo	CHH	-0.0215
Gm15	28179183	28179323	Gmdrm	hypo	CHH	-0.0533
Gm15	28223030	28223743	Gmdrm	hypo	CHH	-0.0405
Gm15	28339286	28340265	Gmdrm	hypo	CHH	-0.0373
Gm15	28340299	28341211	Gmdrm	hypo	CHH	-0.0455
Gm15	28359972	28360951	Gmdrm	hypo	CHH	-0.0393
Gm15	28368199	28368387	Gmdrm	hypo	CHH	-0.064
Gm15	28370141	28371139	Gmdrm	hypo	CHH	-0.0977
Gm15	28483976	28484072	Gmdrm	hypo	CHH	-0.0572
Gm15	28525451	28526411	Gmdrm	hypo	CHH	-0.0587
Gm15	28530566	28531563	Gmdrm	hypo	CHH	-0.0449
Gm15	28546548	28547528	Gmdrm	hypo	CHH	-0.0169
Gm15	28556260	28557254	Gmdrm	hypo	CHH	-0.0743
Gm15	28557263	28558247	Gmdrm	hypo	CHH	-0.0736
Gm15	28561750	28562728	Gmdrm	hypo	CHH	-0.0311

Gm15	28577178	28578169	Gmdrm	hypo	CHH	-0.0161
Gm15	28584833	28585831	Gmdrm	hypo	CHH	-0.0374
Gm15	28592057	28593048	Gmdrm	hypo	CHH	-0.0211
Gm15	28750440	28751278	Gmdrm	hypo	CHH	-0.0278
Gm15	28755372	28756372	Gmdrm	hypo	CHH	-0.0225
Gm15	28756374	28757347	Gmdrm	hypo	CHH	-0.1094
Gm15	28757608	28758363	Gmdrm	hypo	CHH	-0.1606
Gm15	28760559	28761420	Gmdrm	hypo	CHH	-0.0609
Gm15	28886462	28886505	Gmdrm	hypo	CHH	-0.325
Gm15	28962871	28963867	Gmdrm	hypo	CHH	-0.0439
Gm15	28964874	28965870	Gmdrm	hypo	CHH	-0.0487
Gm15	28965878	28966875	Gmdrm	hypo	CHH	-0.0125
Gm15	28976843	28977836	Gmdrm	hypo	CHH	-0.0289
Gm15	29014605	29015462	Gmdrm	hypo	CHH	-0.033
Gm15	29017745	29018696	Gmdrm	hypo	CHH	-0.0271
Gm15	29022931	29023504	Gmdrm	hypo	CHH	-0.0405
Gm15	29289995	29290282	Gmdrm	hypo	CHH	-0.0933
Gm15	29429909	29430900	Gmdrm	hypo	CHH	-0.0263
Gm15	29431785	29432785	Gmdrm	hypo	CHH	-0.0186
Gm15	29435579	29436575	Gmdrm	hypo	CHH	-0.0449
Gm15	29440608	29441607	Gmdrm	hypo	CHH	-0.0541
Gm15	29441617	29442615	Gmdrm	hypo	CHH	-0.0489
Gm15	30287142	30288138	Gmdrm	hypo	CHH	-0.1096
Gm15	30299329	30300329	Gmdrm	hypo	CHH	-0.0399
Gm15	30326893	30327877	Gmdrm	hypo	CHH	-0.0387
Gm15	30352790	30353134	Gmdrm	hypo	CHH	-0.098
Gm15	30712271	30713267	Gmdrm	hypo	CHH	-0.0334
Gm15	30717978	30718964	Gmdrm	hypo	CHH	-0.0255
Gm15	30726014	30726168	Gmdrm	hypo	CHH	-0.075
Gm15	30754215	30755200	Gmdrm	hypo	CHH	-0.0389
Gm15	30762685	30763668	Gmdrm	hypo	CHH	-0.0525
Gm15	30767552	30767649	Gmdrm	hypo	CHH	-0.034
Gm15	30808195	30809194	Gmdrm	hypo	CHH	-0.0481
Gm15	30809199	30810114	Gmdrm	hypo	CHH	-0.0394
Gm15	30810316	30811316	Gmdrm	hypo	CHH	-0.0271
Gm15	30811318	30812315	Gmdrm	hypo	CHH	-0.0307
Gm15	30815038	30816019	Gmdrm	hypo	CHH	-0.033
Gm15	30816043	30817036	Gmdrm	hypo	CHH	-0.0221
Gm15	30819068	30820063	Gmdrm	hypo	CHH	-0.0466
Gm15	30820073	30820868	Gmdrm	hypo	CHH	-0.064
Gm15	30823944	30824715	Gmdrm	hypo	CHH	-0.0737
Gm15	30838362	30838819	Gmdrm	hypo	CHH	-0.0357
Gm15	30839954	30840706	Gmdrm	hypo	CHH	-0.0468
Gm15	30843394	30844394	Gmdrm	hypo	CHH	-0.0432
Gm15	30846291	30847267	Gmdrm	hypo	CHH	-0.0311
Gm15	30847637	30848625	Gmdrm	hypo	CHH	-0.0317

Gm15	30850584	30850611 Gmdrm	hypo	CHH	-0.176
Gm15	30860035	30861011 Gmdrm	hypo	CHH	-0.044
Gm15	30872655	30873076 Gmdrm	hypo	CHH	-0.0295
Gm15	30874246	30874737 Gmdrm	hypo	CHH	-0.0554
Gm15	30888723	30889708 Gmdrm	hypo	CHH	-0.0272
Gm15	30890741	30891689 Gmdrm	hypo	CHH	-0.0366
Gm15	30891753	30892749 Gmdrm	hypo	CHH	-0.021
Gm15	30941270	30942227 Gmdrm	hypo	CHH	-0.0448
Gm15	30945878	30946834 Gmdrm	hypo	CHH	-0.0171
Gm15	30946905	30947894 Gmdrm	hypo	CHH	-0.0469
Gm15	30953951	30954585 Gmdrm	hypo	CHH	-0.0268
Gm15	30955064	30955732 Gmdrm	hypo	CHH	-0.0411
Gm15	30957141	30958138 Gmdrm	hypo	CHH	-0.0148
Gm15	30978392	30978751 Gmdrm	hypo	CHH	-0.043
Gm15	30978860	30979843 Gmdrm	hypo	CHH	-0.0576
Gm15	30980000	30980719 Gmdrm	hypo	CHH	-0.0499
Gm15	30981847	30982839 Gmdrm	hypo	CHH	-0.0402
Gm15	30982850	30983818 Gmdrm	hypo	CHH	-0.0305
Gm15	31060204	31060261 Gmdrm	hypo	CHH	-0.3183
Gm15	31095224	31095593 Gmdrm	hypo	CHH	-0.0662
Gm15	31150026	31151025 Gmdrm	hypo	CHH	-0.0425
Gm15	31159150	31159821 Gmdrm	hypo	CHH	-0.0647
Gm15	31160471	31161451 Gmdrm	hypo	CHH	-0.0376
Gm15	31162502	31162649 Gmdrm	hypo	CHH	-0.0233
Gm15	31163776	31164636 Gmdrm	hypo	CHH	-0.0227
Gm15	31172320	31173303 Gmdrm	hypo	CHH	-0.0211
Gm15	31173344	31174265 Gmdrm	hypo	CHH	-0.1766
Gm15	31178520	31179500 Gmdrm	hypo	CHH	-0.0278
Gm15	31218869	31219869 Gmdrm	hypo	CHH	-0.0313
Gm15	31230795	31231795 Gmdrm	hypo	CHH	-0.057
Gm15	31430291	31431289 Gmdrm	hypo	CHH	-0.0512
Gm15	31431302	31432265 Gmdrm	hypo	CHH	-0.1061
Gm15	31550975	31551971 Gmdrm	hypo	CHH	-0.03
Gm15	31551983	31552982 Gmdrm	hypo	CHH	-0.0469
Gm15	31583594	31584592 Gmdrm	hypo	CHH	-0.0385
Gm15	31584595	31585513 Gmdrm	hypo	CHH	-0.0493
Gm15	31591610	31592608 Gmdrm	hypo	CHH	-0.0507
Gm15	31592611	31593398 Gmdrm	hypo	CHH	-0.0931
Gm15	31621754	31622751 Gmdrm	hypo	CHH	-0.0493
Gm15	31627284	31628266 Gmdrm	hypo	CHH	-0.0434
Gm15	31699240	31699678 Gmdrm	hypo	CHH	-0.1949
Gm15	31828149	31828233 Gmdrm	hypo	CHH	-0.1078
Gm15	31833819	31834818 Gmdrm	hypo	CHH	-0.0984
Gm15	31834829	31835820 Gmdrm	hypo	CHH	-0.0509
Gm15	31855471	31856159 Gmdrm	hypo	CHH	-0.0313
Gm15	31873435	31874415 Gmdrm	hypo	CHH	-0.0144

Gm15	31887322	31888302	Gmdrm	hypo	CHH	-0.038
Gm15	31888673	31889671	Gmdrm	hypo	CHH	-0.0525
Gm15	31892721	31893721	Gmdrm	hypo	CHH	-0.1021
Gm15	31895572	31896570	Gmdrm	hypo	CHH	-0.0258
Gm15	31978075	31978180	Gmdrm	hypo	CHH	-0.118
Gm15	31978934	31979925	Gmdrm	hypo	CHH	-0.2478
Gm15	31979936	31980934	Gmdrm	hypo	CHH	-0.0689
Gm15	31980945	31981944	Gmdrm	hypo	CHH	-0.0734
Gm15	32107915	32108914	Gmdrm	hypo	CHH	-0.0246
Gm15	32109473	32110387	Gmdrm	hypo	CHH	-0.0438
Gm15	32110493	32111465	Gmdrm	hypo	CHH	-0.0298
Gm15	32291566	32292561	Gmdrm	hypo	CHH	-0.0435
Gm15	32330179	32331149	Gmdrm	hypo	CHH	-0.0525
Gm15	32335062	32335283	Gmdrm	hypo	CHH	-0.105
Gm15	32379359	32380342	Gmdrm	hypo	CHH	-0.0711
Gm15	32387652	32388646	Gmdrm	hypo	CHH	-0.0791
Gm15	32454585	32454718	Gmdrm	hypo	CHH	-0.1364
Gm15	32808423	32809392	Gmdrm	hypo	CHH	-0.0816
Gm15	32814104	32815095	Gmdrm	hypo	CHH	-0.0745
Gm15	32815127	32815867	Gmdrm	hypo	CHH	-0.0523
Gm15	32894415	32895414	Gmdrm	hypo	CHH	-0.055
Gm15	32963382	32963518	Gmdrm	hypo	CHH	-0.119
Gm15	33007899	33008898	Gmdrm	hypo	CHH	-0.0421
Gm15	33054170	33054832	Gmdrm	hypo	CHH	-0.0456
Gm15	33056504	33057202	Gmdrm	hypo	CHH	-0.0196
Gm15	33058479	33059478	Gmdrm	hypo	CHH	-0.0234
Gm15	33064622	33065611	Gmdrm	hypo	CHH	-0.0411
Gm15	33065631	33066630	Gmdrm	hypo	CHH	-0.0269
Gm15	33066634	33067600	Gmdrm	hypo	CHH	-0.0535
Gm15	33067637	33068633	Gmdrm	hypo	CHH	-0.0513
Gm15	33073549	33074547	Gmdrm	hypo	CHH	-0.01
Gm15	33087519	33088517	Gmdrm	hypo	CHH	-0.0462
Gm15	33107573	33108566	Gmdrm	hypo	CHH	-0.0493
Gm15	33123040	33123181	Gmdrm	hypo	CHH	-0.09
Gm15	33137018	33138002	Gmdrm	hypo	CHH	-0.0227
Gm15	33145196	33145374	Gmdrm	hypo	CHH	-0.06
Gm15	33146857	33147853	Gmdrm	hypo	CHH	-0.0365
Gm15	33159540	33160523	Gmdrm	hypo	CHH	-0.0554
Gm15	33181548	33182545	Gmdrm	hypo	CHH	-0.0876
Gm15	33182553	33183549	Gmdrm	hypo	CHH	-0.0437
Gm15	33185569	33186489	Gmdrm	hypo	CHH	-0.0931
Gm15	33186651	33187634	Gmdrm	hypo	CHH	-0.1411
Gm15	33188675	33189670	Gmdrm	hypo	CHH	-0.0332
Gm15	33405498	33406484	Gmdrm	hypo	CHH	-0.1234
Gm15	33410166	33411166	Gmdrm	hypo	CHH	-0.127
Gm15	33418476	33419469	Gmdrm	hypo	CHH	-0.0523

Gm15	33419491	33420467	Gmdrm	hypo	CHH	-0.0598
Gm15	33421559	33422559	Gmdrm	hypo	CHH	-0.0151
Gm15	33426374	33427350	Gmdrm	hypo	CHH	-0.0226
Gm15	33427378	33427892	Gmdrm	hypo	CHH	-0.0779
Gm15	33547207	33548205	Gmdrm	hypo	CHH	-0.0168
Gm15	33591492	33591838	Gmdrm	hypo	CHH	-0.0484
Gm15	33591976	33592885	Gmdrm	hypo	CHH	-0.0394
Gm15	33614611	33615602	Gmdrm	hypo	CHH	-0.0297
Gm15	33615627	33616625	Gmdrm	hypo	CHH	-0.022
Gm15	33707810	33708810	Gmdrm	hypo	CHH	-0.046
Gm15	33708812	33709789	Gmdrm	hypo	CHH	-0.0351
Gm15	33710845	33711815	Gmdrm	hypo	CHH	-0.0289
Gm15	33755310	33756309	Gmdrm	hypo	CHH	-0.0351
Gm15	33756330	33757305	Gmdrm	hypo	CHH	-0.0166
Gm15	33763845	33764845	Gmdrm	hypo	CHH	-0.1563
Gm15	33764846	33765838	Gmdrm	hypo	CHH	-0.0879
Gm15	33767295	33767401	Gmdrm	hypo	CHH	-0.1907
Gm15	33814425	33815417	Gmdrm	hypo	CHH	-0.0219
Gm15	33821597	33822593	Gmdrm	hypo	CHH	-0.0943
Gm15	33877858	33878152	Gmdrm	hypo	CHH	-0.0968
Gm15	33884193	33885155	Gmdrm	hypo	CHH	-0.0571
Gm15	33897624	33898616	Gmdrm	hypo	CHH	-0.0598
Gm15	33898628	33899612	Gmdrm	hypo	CHH	-0.0286
Gm15	33964652	33965641	Gmdrm	hypo	CHH	-0.0211
Gm15	33965656	33966410	Gmdrm	hypo	CHH	-0.0636
Gm15	33975586	33976584	Gmdrm	hypo	CHH	-0.0406
Gm15	34023599	34024533	Gmdrm	hypo	CHH	-0.0169
Gm15	34025567	34026561	Gmdrm	hypo	CHH	-0.258
Gm15	34026569	34027569	Gmdrm	hypo	CHH	-0.1116
Gm15	34027572	34028088	Gmdrm	hypo	CHH	-0.0958
Gm15	34028196	34028604	Gmdrm	hypo	CHH	-0.0249
Gm15	34029188	34029691	Gmdrm	hypo	CHH	-0.0979
Gm15	34030028	34031020	Gmdrm	hypo	CHH	-0.1685
Gm15	34031029	34031521	Gmdrm	hypo	CHH	-0.0605
Gm15	34037933	34038926	Gmdrm	hypo	CHH	-0.2094
Gm15	34038938	34039933	Gmdrm	hypo	CHH	-0.0382
Gm15	34285738	34286734	Gmdrm	hypo	CHH	-0.0361
Gm15	34286742	34287741	Gmdrm	hypo	CHH	-0.0401
Gm15	34287743	34288709	Gmdrm	hypo	CHH	-0.0177
Gm15	34289637	34290635	Gmdrm	hypo	CHH	-0.0423
Gm15	34290645	34291642	Gmdrm	hypo	CHH	-0.0764
Gm15	34291646	34292637	Gmdrm	hypo	CHH	-0.0476
Gm15	34314273	34315254	Gmdrm	hypo	CHH	-0.025
Gm15	34325769	34326760	Gmdrm	hypo	CHH	-0.0387
Gm15	34337157	34338157	Gmdrm	hypo	CHH	-0.0294
Gm15	34341461	34342460	Gmdrm	hypo	CHH	-0.0388

Gm15	34379440	34380431	Gmdrm	hypo	CHH	-0.0612
Gm15	34391217	34391371	Gmdrm	hypo	CHH	-0.0546
Gm15	34449598	34450018	Gmdrm	hypo	CHH	-0.0342
Gm15	34466994	34467442	Gmdrm	hypo	CHH	-0.108
Gm15	34468604	34469599	Gmdrm	hypo	CHH	-0.0576
Gm15	34474017	34475011	Gmdrm	hypo	CHH	-0.0372
Gm15	34475033	34476024	Gmdrm	hypo	CHH	-0.0825
Gm15	34511609	34512604	Gmdrm	hypo	CHH	-0.0492
Gm15	34540956	34541938	Gmdrm	hypo	CHH	-0.0452
Gm15	34541967	34542538	Gmdrm	hypo	CHH	-0.0235
Gm15	34553087	34554059	Gmdrm	hypo	CHH	-0.0537
Gm15	34565577	34566269	Gmdrm	hypo	CHH	-0.083
Gm15	34568978	34569956	Gmdrm	hypo	CHH	-0.0626
Gm15	34611545	34612538	Gmdrm	hypo	CHH	-0.0233
Gm15	34686459	34687455	Gmdrm	hypo	CHH	-0.0495
Gm15	34796126	34796142	Gmdrm	hypo	CHH	-0.18
Gm15	34954021	34954063	Gmdrm	hypo	CHH	-0.12
Gm15	34992457	34993364	Gmdrm	hypo	CHH	-0.1038
Gm15	34997293	34998293	Gmdrm	hypo	CHH	-0.0238
Gm15	34999317	35000306	Gmdrm	hypo	CHH	-0.0152
Gm15	35000612	35001603	Gmdrm	hypo	CHH	-0.1882
Gm15	35001613	35002612	Gmdrm	hypo	CHH	-0.0303
Gm15	35022728	35023510	Gmdrm	hypo	CHH	-0.0689
Gm15	35028017	35029012	Gmdrm	hypo	CHH	-0.1664
Gm15	35029026	35030020	Gmdrm	hypo	CHH	-0.0757
Gm15	35030030	35031027	Gmdrm	hypo	CHH	-0.0778
Gm15	35122634	35123632	Gmdrm	hypo	CHH	-0.0438
Gm15	35189226	35189976	Gmdrm	hypo	CHH	-0.0394
Gm15	35201976	35202976	Gmdrm	hypo	CHH	-0.0337
Gm15	35202982	35203944	Gmdrm	hypo	CHH	-0.0173
Gm15	35206077	35207077	Gmdrm	hypo	CHH	-0.0892
Gm15	35207080	35208034	Gmdrm	hypo	CHH	-0.1907
Gm15	35363086	35364070	Gmdrm	hypo	CHH	-0.043
Gm15	35365075	35365912	Gmdrm	hypo	CHH	-0.0296
Gm15	35366060	35367058	Gmdrm	hypo	CHH	-0.0254
Gm15	35423474	35423755	Gmdrm	hypo	CHH	-0.0844
Gm15	35435864	35436606	Gmdrm	hypo	CHH	-0.0427
Gm15	35437822	35438643	Gmdrm	hypo	CHH	-0.0221
Gm15	35448678	35449100	Gmdrm	hypo	CHH	-0.0516
Gm15	35450905	35451899	Gmdrm	hypo	CHH	-0.0409
Gm15	35615484	35615535	Gmdrm	hypo	CHH	-0.1586
Gm15	35731223	35732218	Gmdrm	hypo	CHH	-0.0308
Gm15	35741330	35742209	Gmdrm	hypo	CHH	-0.0566
Gm15	35790498	35790546	Gmdrm	hypo	CHH	-0.36
Gm15	35795497	35796460	Gmdrm	hypo	CHH	-0.0145
Gm15	35801669	35802647	Gmdrm	hypo	CHH	-0.0381

Gm15	35803294	35804287	Gmdrm	hypo	CHH	-0.02
Gm15	35827474	35828433	Gmdrm	hypo	CHH	-0.0279
Gm15	35907262	35907310	Gmdrm	hypo	CHH	-0.095
Gm15	35907428	35908423	Gmdrm	hypo	CHH	-0.0366
Gm15	35959978	35960852	Gmdrm	hypo	CHH	-0.047
Gm15	35961967	35962934	Gmdrm	hypo	CHH	-0.0195
Gm15	35967113	35968112	Gmdrm	hypo	CHH	-0.0418
Gm15	36105755	36106743	Gmdrm	hypo	CHH	-0.0405
Gm15	36195231	36196217	Gmdrm	hypo	CHH	-0.0245
Gm15	36199979	36200966	Gmdrm	hypo	CHH	-0.0175
Gm15	36201992	36202566	Gmdrm	hypo	CHH	-0.1952
Gm15	36202895	36203895	Gmdrm	hypo	CHH	-0.0874
Gm15	36203924	36204915	Gmdrm	hypo	CHH	-0.1932
Gm15	36209092	36210071	Gmdrm	hypo	CHH	-0.0758
Gm15	36210106	36211096	Gmdrm	hypo	CHH	-0.0181
Gm15	36211107	36212107	Gmdrm	hypo	CHH	-0.0401
Gm15	36212108	36213107	Gmdrm	hypo	CHH	-0.0673
Gm15	36213114	36214110	Gmdrm	hypo	CHH	-0.0154
Gm15	36214127	36215119	Gmdrm	hypo	CHH	-0.0306
Gm15	36215135	36216129	Gmdrm	hypo	CHH	-0.042
Gm15	36224064	36224931	Gmdrm	hypo	CHH	-0.1035
Gm15	36254790	36255790	Gmdrm	hypo	CHH	-0.0286
Gm15	36255803	36256781	Gmdrm	hypo	CHH	-0.0273
Gm15	36259922	36260915	Gmdrm	hypo	CHH	-0.0305
Gm15	36260942	36261937	Gmdrm	hypo	CHH	-0.0293
Gm15	36264984	36265967	Gmdrm	hypo	CHH	-0.0402
Gm15	36266491	36267465	Gmdrm	hypo	CHH	-0.0248
Gm15	36282587	36283586	Gmdrm	hypo	CHH	-0.0464
Gm15	36285606	36286599	Gmdrm	hypo	CHH	-0.135
Gm15	36286615	36287603	Gmdrm	hypo	CHH	-0.05
Gm15	36287616	36288611	Gmdrm	hypo	CHH	-0.0678
Gm15	36298619	36299602	Gmdrm	hypo	CHH	-0.0245
Gm15	36309084	36310070	Gmdrm	hypo	CHH	-0.0307
Gm15	36310111	36311111	Gmdrm	hypo	CHH	-0.1041
Gm15	36343881	36343946	Gmdrm	hypo	CHH	-0.1057
Gm15	36465215	36466202	Gmdrm	hypo	CHH	-0.0935
Gm15	36490782	36491708	Gmdrm	hypo	CHH	-0.045
Gm15	36497945	36498943	Gmdrm	hypo	CHH	-0.0316
Gm15	36498947	36499947	Gmdrm	hypo	CHH	-0.0607
Gm15	36499950	36500916	Gmdrm	hypo	CHH	-0.0396
Gm15	36513104	36514102	Gmdrm	hypo	CHH	-0.0148
Gm15	36527146	36527333	Gmdrm	hypo	CHH	-0.5265
Gm15	36528411	36529411	Gmdrm	hypo	CHH	-0.0201
Gm15	36529417	36530417	Gmdrm	hypo	CHH	-0.0835
Gm15	36530418	36531396	Gmdrm	hypo	CHH	-0.0458
Gm15	36531425	36532179	Gmdrm	hypo	CHH	-0.1157

Gm15	36532317	36533317	Gmdrm	hypo	CHH	-0.1083
Gm15	36533319	36534311	Gmdrm	hypo	CHH	-0.0829
Gm15	36534324	36535263	Gmdrm	hypo	CHH	-0.074
Gm15	36535342	36536172	Gmdrm	hypo	CHH	-0.0471
Gm15	36536362	36537361	Gmdrm	hypo	CHH	-0.0725
Gm15	36537370	36538366	Gmdrm	hypo	CHH	-0.057
Gm15	36538399	36539395	Gmdrm	hypo	CHH	-0.0594
Gm15	36540413	36541410	Gmdrm	hypo	CHH	-0.039
Gm15	36541414	36541500	Gmdrm	hypo	CHH	-0.051
Gm15	36541663	36542654	Gmdrm	hypo	CHH	-0.0205
Gm15	36551950	36552950	Gmdrm	hypo	CHH	-0.0539
Gm15	36579588	36580580	Gmdrm	hypo	CHH	-0.0821
Gm15	36580597	36581548	Gmdrm	hypo	CHH	-0.0349
Gm15	36589365	36590145	Gmdrm	hypo	CHH	-0.1295
Gm15	36591998	36592985	Gmdrm	hypo	CHH	-0.0644
Gm15	36593326	36593881	Gmdrm	hypo	CHH	-0.048
Gm15	36594408	36594917	Gmdrm	hypo	CHH	-0.0413
Gm15	36596129	36597129	Gmdrm	hypo	CHH	-0.0292
Gm15	36597139	36598127	Gmdrm	hypo	CHH	-0.0655
Gm15	36614783	36615776	Gmdrm	hypo	CHH	-0.0218
Gm15	36739014	36739977	Gmdrm	hypo	CHH	-0.014
Gm15	36757274	36758238	Gmdrm	hypo	CHH	-0.0282
Gm15	36760305	36761261	Gmdrm	hypo	CHH	-0.0312
Gm15	36783859	36784830	Gmdrm	hypo	CHH	-0.0239
Gm15	36791685	36792674	Gmdrm	hypo	CHH	-0.0188
Gm15	36795196	36796195	Gmdrm	hypo	CHH	-0.0695
Gm15	36796198	36796917	Gmdrm	hypo	CHH	-0.1324
Gm15	36802070	36802406	Gmdrm	hypo	CHH	-0.031
Gm15	36803049	36804044	Gmdrm	hypo	CHH	-0.0328
Gm15	36804055	36805054	Gmdrm	hypo	CHH	-0.0502
Gm15	36826685	36827626	Gmdrm	hypo	CHH	-0.1162
Gm15	36842261	36843256	Gmdrm	hypo	CHH	-0.048
Gm15	36851114	36852111	Gmdrm	hypo	CHH	-0.0354
Gm15	36894318	36895318	Gmdrm	hypo	CHH	-0.0592
Gm15	37023506	37023627	Gmdrm	hypo	CHH	-0.16
Gm15	37232076	37233072	Gmdrm	hypo	CHH	-0.0264
Gm15	37253989	37254976	Gmdrm	hypo	CHH	-0.0208
Gm15	37256038	37256976	Gmdrm	hypo	CHH	-0.0144
Gm15	37407278	37408130	Gmdrm	hypo	CHH	-0.0684
Gm15	37409073	37409772	Gmdrm	hypo	CHH	-0.1093
Gm15	37419020	37419526	Gmdrm	hypo	CHH	-0.0367
Gm15	37591167	37592152	Gmdrm	hypo	CHH	-0.0222
Gm15	37597205	37598135	Gmdrm	hypo	CHH	-0.026
Gm15	37695753	37696027	Gmdrm	hypo	CHH	-0.0618
Gm15	37814325	37814422	Gmdrm	hypo	CHH	-0.1227
Gm15	37959078	37959593	Gmdrm	hypo	CHH	-0.0364

Gm15	37961089	37962089	Gmdrm	hypo	CHH	-0.0193
Gm15	37963180	37964175	Gmdrm	hypo	CHH	-0.1585
Gm15	37988784	37989749	Gmdrm	hypo	CHH	-0.0637
Gm15	37990792	37991300	Gmdrm	hypo	CHH	-0.0221
Gm15	37994040	37995038	Gmdrm	hypo	CHH	-0.074
Gm15	37995041	37996017	Gmdrm	hypo	CHH	-0.0353
Gm15	38008050	38008949	Gmdrm	hypo	CHH	-0.1036
Gm15	38009068	38010067	Gmdrm	hypo	CHH	-0.0424
Gm15	38013261	38014237	Gmdrm	hypo	CHH	-0.0964
Gm15	38022756	38023753	Gmdrm	hypo	CHH	-0.0519
Gm15	38075714	38076714	Gmdrm	hypo	CHH	-0.0414
Gm15	38076716	38077714	Gmdrm	hypo	CHH	-0.0447
Gm15	38314185	38315162	Gmdrm	hypo	CHH	-0.0228
Gm15	38342422	38342548	Gmdrm	hypo	CHH	-0.2077
Gm15	38401560	38402554	Gmdrm	hypo	CHH	-0.0162
Gm15	38402571	38403179	Gmdrm	hypo	CHH	-0.0699
Gm15	38417733	38418713	Gmdrm	hypo	CHH	-0.0206
Gm15	38421316	38422316	Gmdrm	hypo	CHH	-0.1283
Gm15	38431827	38432192	Gmdrm	hypo	CHH	-0.0781
Gm15	38519146	38519191	Gmdrm	hypo	CHH	-0.1257
Gm15	38705233	38706206	Gmdrm	hypo	CHH	-0.0364
Gm15	38712298	38713297	Gmdrm	hypo	CHH	-0.0177
Gm15	38747106	38748099	Gmdrm	hypo	CHH	-0.0521
Gm15	38748995	38749927	Gmdrm	hypo	CHH	-0.0667
Gm15	38777100	38778094	Gmdrm	hypo	CHH	-0.0352
Gm15	38778103	38778629	Gmdrm	hypo	CHH	-0.0529
Gm15	38805735	38806334	Gmdrm	hypo	CHH	-0.0363
Gm15	38825961	38826957	Gmdrm	hypo	CHH	-0.034
Gm15	38915695	38916690	Gmdrm	hypo	CHH	-0.0221
Gm15	38951449	38952359	Gmdrm	hypo	CHH	-0.1065
Gm15	38963983	38964977	Gmdrm	hypo	CHH	-0.0214
Gm15	39014993	39015113	Gmdrm	hypo	CHH	-0.1408
Gm15	39081875	39082859	Gmdrm	hypo	CHH	-0.0646
Gm15	39155917	39156797	Gmdrm	hypo	CHH	-0.0291
Gm15	39157411	39158406	Gmdrm	hypo	CHH	-0.0575
Gm15	39167714	39168704	Gmdrm	hypo	CHH	-0.0576
Gm15	39170408	39171402	Gmdrm	hypo	CHH	-0.1158
Gm15	39360590	39361590	Gmdrm	hypo	CHH	-0.0724
Gm15	39361591	39362570	Gmdrm	hypo	CHH	-0.1052
Gm15	39363923	39364923	Gmdrm	hypo	CHH	-0.1223
Gm15	39366929	39367925	Gmdrm	hypo	CHH	-0.0143
Gm15	39369351	39370347	Gmdrm	hypo	CHH	-0.0304
Gm15	39370382	39371354	Gmdrm	hypo	CHH	-0.1432
Gm15	39471204	39471918	Gmdrm	hypo	CHH	-0.0322
Gm15	39493240	39494240	Gmdrm	hypo	CHH	-0.0473
Gm15	39656661	39657660	Gmdrm	hypo	CHH	-0.028

Gm15	39670101	39671089	Gmdrm	hypo	CHH	-0.0673
Gm15	39691005	39691537	Gmdrm	hypo	CHH	-0.0352
Gm15	39727793	39727880	Gmdrm	hypo	CHH	-0.0771
Gm15	39733939	39734177	Gmdrm	hypo	CHH	-0.0688
Gm15	39734609	39735559	Gmdrm	hypo	CHH	-0.0556
Gm15	39747872	39748372	Gmdrm	hypo	CHH	-0.0709
Gm15	39748647	39748853	Gmdrm	hypo	CHH	-0.1
Gm15	39765138	39765946	Gmdrm	hypo	CHH	-0.0649
Gm15	39872975	39873373	Gmdrm	hypo	CHH	-0.0721
Gm15	39879122	39879643	Gmdrm	hypo	CHH	-0.0431
Gm15	39881442	39882416	Gmdrm	hypo	CHH	-0.0599
Gm15	39891236	39891317	Gmdrm	hypo	CHH	-0.136
Gm15	39894231	39894886	Gmdrm	hypo	CHH	-0.067
Gm15	39925147	39925258	Gmdrm	hypo	CHH	-0.2
Gm15	40009288	40009360	Gmdrm	hypo	CHH	-0.076
Gm15	40059916	40060024	Gmdrm	hypo	CHH	-0.104
Gm15	40060816	40061364	Gmdrm	hypo	CHH	-0.0657
Gm15	40063838	40064215	Gmdrm	hypo	CHH	-0.0279
Gm15	40067352	40068113	Gmdrm	hypo	CHH	-0.0521
Gm15	40072109	40072774	Gmdrm	hypo	CHH	-0.0765
Gm15	40078879	40078994	Gmdrm	hypo	CHH	-0.0936
Gm15	40086462	40086930	Gmdrm	hypo	CHH	-0.076
Gm15	40106611	40106907	Gmdrm	hypo	CHH	-0.0447
Gm15	40146355	40146747	Gmdrm	hypo	CHH	-0.0427
Gm15	40159374	40159412	Gmdrm	hypo	CHH	-0.1671
Gm15	40189242	40189543	Gmdrm	hypo	CHH	-0.0958
Gm15	40194409	40195239	Gmdrm	hypo	CHH	-0.041
Gm15	40419851	40420817	Gmdrm	hypo	CHH	-0.0249
Gm15	40422899	40423898	Gmdrm	hypo	CHH	-0.0351
Gm15	40426311	40427286	Gmdrm	hypo	CHH	-0.0383
Gm15	40431813	40432812	Gmdrm	hypo	CHH	-0.0371
Gm15	40511928	40512168	Gmdrm	hypo	CHH	-0.123
Gm15	40518861	40519781	Gmdrm	hypo	CHH	-0.0227
Gm15	40633267	40634115	Gmdrm	hypo	CHH	-0.0245
Gm15	40646958	40647946	Gmdrm	hypo	CHH	-0.0391
Gm15	40649007	40649992	Gmdrm	hypo	CHH	-0.0495
Gm15	40697190	40698187	Gmdrm	hypo	CHH	-0.0563
Gm15	40698193	40699166	Gmdrm	hypo	CHH	-0.0339
Gm15	40700081	40701045	Gmdrm	hypo	CHH	-0.0508
Gm15	40704376	40705372	Gmdrm	hypo	CHH	-0.0518
Gm15	40739603	40740602	Gmdrm	hypo	CHH	-0.1322
Gm15	40748735	40749727	Gmdrm	hypo	CHH	-0.021
Gm15	40750751	40751748	Gmdrm	hypo	CHH	-0.0327
Gm15	40806809	40807728	Gmdrm	hypo	CHH	-0.0543
Gm15	40807821	40808811	Gmdrm	hypo	CHH	-0.0869
Gm15	40810196	40811160	Gmdrm	hypo	CHH	-0.0987

Gm15	40863906	40864788	Gmdrm	hypo	CHH	-0.0235
Gm15	40914029	40915010	Gmdrm	hypo	CHH	-0.0192
Gm15	40915036	40915084	Gmdrm	hypo	CHH	-0.064
Gm15	40918909	40919507	Gmdrm	hypo	CHH	-0.0417
Gm15	40921094	40922087	Gmdrm	hypo	CHH	-0.1033
Gm15	40966046	40966106	Gmdrm	hypo	CHH	-0.1889
Gm15	41061113	41062113	Gmdrm	hypo	CHH	-0.0438
Gm15	41099839	41100822	Gmdrm	hypo	CHH	-0.0193
Gm15	41126311	41127282	Gmdrm	hypo	CHH	-0.0207
Gm15	41127321	41128306	Gmdrm	hypo	CHH	-0.0502
Gm15	41128328	41128586	Gmdrm	hypo	CHH	-0.0525
Gm15	41140064	41140768	Gmdrm	hypo	CHH	-0.0312
Gm15	41145455	41146260	Gmdrm	hypo	CHH	-0.0211
Gm15	41163649	41164640	Gmdrm	hypo	CHH	-0.0572
Gm15	41166689	41167653	Gmdrm	hypo	CHH	-0.0426
Gm15	41224321	41225303	Gmdrm	hypo	CHH	-0.033
Gm15	41225818	41226025	Gmdrm	hypo	CHH	-0.034
Gm15	41254101	41255057	Gmdrm	hypo	CHH	-0.0305
Gm15	41259785	41260779	Gmdrm	hypo	CHH	-0.0356
Gm15	41261369	41261573	Gmdrm	hypo	CHH	-0.1038
Gm15	41261674	41262674	Gmdrm	hypo	CHH	-0.0526
Gm15	41263687	41264671	Gmdrm	hypo	CHH	-0.0235
Gm15	41287429	41288091	Gmdrm	hypo	CHH	-0.0808
Gm15	41303889	41304884	Gmdrm	hypo	CHH	-0.0121
Gm15	41323003	41324003	Gmdrm	hypo	CHH	-0.0544
Gm15	41324004	41324990	Gmdrm	hypo	CHH	-0.0478
Gm15	41325009	41326007	Gmdrm	hypo	CHH	-0.0284
Gm15	41339811	41340794	Gmdrm	hypo	CHH	-0.0896
Gm15	41364161	41365153	Gmdrm	hypo	CHH	-0.0448
Gm15	41375539	41376288	Gmdrm	hypo	CHH	-0.0215
Gm15	41408789	41409070	Gmdrm	hypo	CHH	-0.0172
Gm15	41417298	41418292	Gmdrm	hypo	CHH	-0.0321
Gm15	41418301	41419298	Gmdrm	hypo	CHH	-0.1328
Gm15	41446120	41447111	Gmdrm	hypo	CHH	-0.0282
Gm15	41454235	41455232	Gmdrm	hypo	CHH	-0.0393
Gm15	41459282	41460027	Gmdrm	hypo	CHH	-0.0551
Gm15	41522725	41523725	Gmdrm	hypo	CHH	-0.0163
Gm15	41524739	41525739	Gmdrm	hypo	CHH	-0.0135
Gm15	41525740	41526709	Gmdrm	hypo	CHH	-0.0204
Gm15	41531831	41532829	Gmdrm	hypo	CHH	-0.0163
Gm15	41535017	41535258	Gmdrm	hypo	CHH	-0.162
Gm15	41537422	41538356	Gmdrm	hypo	CHH	-0.0526
Gm15	41548763	41549752	Gmdrm	hypo	CHH	-0.0237
Gm15	41552067	41553063	Gmdrm	hypo	CHH	-0.1332
Gm15	41553070	41554060	Gmdrm	hypo	CHH	-0.029
Gm15	41554088	41555084	Gmdrm	hypo	CHH	-0.0478

Gm15	41555092	41556059	Gmdrm	hypo	CHH	-0.109
Gm15	41556117	41557090	Gmdrm	hypo	CHH	-0.0659
Gm15	41607776	41608771	Gmdrm	hypo	CHH	-0.0715
Gm15	41618835	41619091	Gmdrm	hypo	CHH	-0.0287
Gm15	41630884	41631866	Gmdrm	hypo	CHH	-0.0112
Gm15	41719935	41720935	Gmdrm	hypo	CHH	-0.0266
Gm15	41794347	41795265	Gmdrm	hypo	CHH	-0.0436
Gm15	41811773	41812752	Gmdrm	hypo	CHH	-0.0162
Gm15	41924779	41925749	Gmdrm	hypo	CHH	-0.0349
Gm15	41925784	41926777	Gmdrm	hypo	CHH	-0.0345
Gm15	41964957	41965443	Gmdrm	hypo	CHH	-0.444
Gm15	41967695	41968686	Gmdrm	hypo	CHH	-0.0207
Gm15	42009632	42010048	Gmdrm	hypo	CHH	-0.0288
Gm15	42078467	42078600	Gmdrm	hypo	CHH	-0.0487
Gm15	42079843	42080809	Gmdrm	hypo	CHH	-0.0202
Gm15	42087198	42087878	Gmdrm	hypo	CHH	-0.0318
Gm15	42118104	42119071	Gmdrm	hypo	CHH	-0.0343
Gm15	42120564	42121557	Gmdrm	hypo	CHH	-0.0127
Gm15	42123112	42124102	Gmdrm	hypo	CHH	-0.0787
Gm15	42158048	42158804	Gmdrm	hypo	CHH	-0.1223
Gm15	42173588	42174551	Gmdrm	hypo	CHH	-0.0371
Gm15	42184210	42185208	Gmdrm	hypo	CHH	-0.0447
Gm15	42204168	42205160	Gmdrm	hypo	CHH	-0.0533
Gm15	42205722	42206695	Gmdrm	hypo	CHH	-0.0253
Gm15	42206736	42207736	Gmdrm	hypo	CHH	-0.057
Gm15	42211531	42212530	Gmdrm	hypo	CHH	-0.0184
Gm15	42212534	42213532	Gmdrm	hypo	CHH	-0.0241
Gm15	42213979	42214976	Gmdrm	hypo	CHH	-0.019
Gm15	42214985	42215982	Gmdrm	hypo	CHH	-0.0268
Gm15	42215991	42216970	Gmdrm	hypo	CHH	-0.0565
Gm15	42219039	42219527	Gmdrm	hypo	CHH	-0.0224
Gm15	42219682	42220679	Gmdrm	hypo	CHH	-0.0309
Gm15	42220691	42221661	Gmdrm	hypo	CHH	-0.0303
Gm15	42221754	42222748	Gmdrm	hypo	CHH	-0.0522
Gm15	42222762	42223706	Gmdrm	hypo	CHH	-0.0189
Gm15	42223781	42224182	Gmdrm	hypo	CHH	-0.0736
Gm15	42224302	42225272	Gmdrm	hypo	CHH	-0.0488
Gm15	42247354	42248330	Gmdrm	hypo	CHH	-0.0456
Gm15	42249297	42250290	Gmdrm	hypo	CHH	-0.042
Gm15	42280332	42280761	Gmdrm	hypo	CHH	-0.0415
Gm15	42285001	42285987	Gmdrm	hypo	CHH	-0.0208
Gm15	42289129	42290088	Gmdrm	hypo	CHH	-0.0556
Gm15	42292316	42293287	Gmdrm	hypo	CHH	-0.0213
Gm15	42293319	42294309	Gmdrm	hypo	CHH	-0.0366
Gm15	42294324	42295260	Gmdrm	hypo	CHH	-0.1041
Gm15	42299518	42300516	Gmdrm	hypo	CHH	-0.0141

Gm15	42306577	42306637 Gmdrm	hypo	CHH	-0.264
Gm15	42322793	42323786 Gmdrm	hypo	CHH	-0.1406
Gm15	42323796	42324795 Gmdrm	hypo	CHH	-0.0486
Gm15	42324804	42325792 Gmdrm	hypo	CHH	-0.0516
Gm15	42329120	42330066 Gmdrm	hypo	CHH	-0.0707
Gm15	42330162	42331159 Gmdrm	hypo	CHH	-0.0289
Gm15	42417398	42418381 Gmdrm	hypo	CHH	-0.0504
Gm15	42418403	42419403 Gmdrm	hypo	CHH	-0.0332
Gm15	42457546	42458447 Gmdrm	hypo	CHH	-0.0128
Gm15	42520772	42521767 Gmdrm	hypo	CHH	-0.0385
Gm15	42524006	42525002 Gmdrm	hypo	CHH	-0.0156
Gm15	42541578	42542351 Gmdrm	hypo	CHH	-0.0449
Gm15	42542644	42543639 Gmdrm	hypo	CHH	-0.0358
Gm15	42576969	42577969 Gmdrm	hypo	CHH	-0.0312
Gm15	42601104	42602102 Gmdrm	hypo	CHH	-0.1009
Gm15	42626010	42626582 Gmdrm	hypo	CHH	-0.0187
Gm15	42632213	42633193 Gmdrm	hypo	CHH	-0.0404
Gm15	42762137	42763136 Gmdrm	hypo	CHH	-0.055
Gm15	42805349	42806334 Gmdrm	hypo	CHH	-0.0392
Gm15	42806354	42806540 Gmdrm	hypo	CHH	-0.0955
Gm15	42806665	42807664 Gmdrm	hypo	CHH	-0.0553
Gm15	42817935	42818935 Gmdrm	hypo	CHH	-0.0354
Gm15	42826357	42827356 Gmdrm	hypo	CHH	-0.026
Gm15	42839501	42839706 Gmdrm	hypo	CHH	-0.1575
Gm15	42846105	42847105 Gmdrm	hypo	CHH	-0.0498
Gm15	42852201	42853195 Gmdrm	hypo	CHH	-0.0476
Gm15	42859604	42860602 Gmdrm	hypo	CHH	-0.0261
Gm15	42860606	42861605 Gmdrm	hypo	CHH	-0.0339
Gm15	42889940	42890926 Gmdrm	hypo	CHH	-0.0555
Gm15	42897893	42898846 Gmdrm	hypo	CHH	-0.0223
Gm15	42915474	42916473 Gmdrm	hypo	CHH	-0.0287
Gm15	42945903	42946893 Gmdrm	hypo	CHH	-0.0292
Gm15	43031688	43032665 Gmdrm	hypo	CHH	-0.0305
Gm15	43053915	43054509 Gmdrm	hypo	CHH	-0.0678
Gm15	43056017	43056997 Gmdrm	hypo	CHH	-0.0347
Gm15	43057018	43058012 Gmdrm	hypo	CHH	-0.0755
Gm15	43058029	43058321 Gmdrm	hypo	CHH	-0.0462
Gm15	43059561	43060553 Gmdrm	hypo	CHH	-0.0529
Gm15	43246744	43247735 Gmdrm	hypo	CHH	-0.0192
Gm15	43247767	43248744 Gmdrm	hypo	CHH	-0.0556
Gm15	43339784	43340773 Gmdrm	hypo	CHH	-0.0284
Gm15	43341818	43342800 Gmdrm	hypo	CHH	-0.0148
Gm15	43343832	43344820 Gmdrm	hypo	CHH	-0.046
Gm15	43346524	43347517 Gmdrm	hypo	CHH	-0.0416
Gm15	43567558	43568557 Gmdrm	hypo	CHH	-0.0687
Gm15	43568564	43569434 Gmdrm	hypo	CHH	-0.0101

Gm15	43706049	43707042	Gmdrm	hypo	CHH	-0.1098
Gm15	43728087	43728953	Gmdrm	hypo	CHH	-0.0143
Gm15	43739463	43740461	Gmdrm	hypo	CHH	-0.0203
Gm15	43741346	43742321	Gmdrm	hypo	CHH	-0.019
Gm15	43781756	43782725	Gmdrm	hypo	CHH	-0.0478
Gm15	43782773	43783773	Gmdrm	hypo	CHH	-0.0611
Gm15	43784061	43785046	Gmdrm	hypo	CHH	-0.2827
Gm15	43789506	43790204	Gmdrm	hypo	CHH	-0.0205
Gm15	43793673	43794197	Gmdrm	hypo	CHH	-0.3906
Gm15	43794412	43794762	Gmdrm	hypo	CHH	-0.3392
Gm15	43799659	43800628	Gmdrm	hypo	CHH	-0.0342
Gm15	43801681	43802307	Gmdrm	hypo	CHH	-0.0141
Gm15	43803723	43804705	Gmdrm	hypo	CHH	-0.0155
Gm15	43808057	43808252	Gmdrm	hypo	CHH	-0.0334
Gm15	43819053	43820053	Gmdrm	hypo	CHH	-0.0871
Gm15	43820059	43821040	Gmdrm	hypo	CHH	-0.0262
Gm15	43825902	43826900	Gmdrm	hypo	CHH	-0.0447
Gm15	43843634	43844201	Gmdrm	hypo	CHH	-0.0344
Gm15	43874723	43875714	Gmdrm	hypo	CHH	-0.0312
Gm15	43875727	43876725	Gmdrm	hypo	CHH	-0.0286
Gm15	43876732	43876802	Gmdrm	hypo	CHH	-0.08
Gm15	43880328	43881054	Gmdrm	hypo	CHH	-0.0485
Gm15	43881286	43881542	Gmdrm	hypo	CHH	-0.0474
Gm15	43882929	43883916	Gmdrm	hypo	CHH	-0.1237
Gm15	43888019	43888197	Gmdrm	hypo	CHH	-0.1114
Gm15	43903077	43903227	Gmdrm	hypo	CHH	-0.0764
Gm15	43906270	43907091	Gmdrm	hypo	CHH	-0.034
Gm15	43919399	43920396	Gmdrm	hypo	CHH	-0.1295
Gm15	43920540	43921531	Gmdrm	hypo	CHH	-0.0297
Gm15	43936764	43937724	Gmdrm	hypo	CHH	-0.046
Gm15	43953432	43954430	Gmdrm	hypo	CHH	-0.0187
Gm15	43957506	43958388	Gmdrm	hypo	CHH	-0.0155
Gm15	43963712	43964702	Gmdrm	hypo	CHH	-0.0234
Gm15	43964732	43965711	Gmdrm	hypo	CHH	-0.1485
Gm15	43966920	43967914	Gmdrm	hypo	CHH	-0.028
Gm15	43975886	43976088	Gmdrm	hypo	CHH	-0.0445
Gm15	43980406	43981370	Gmdrm	hypo	CHH	-0.016
Gm15	43983209	43984202	Gmdrm	hypo	CHH	-0.03
Gm15	43997647	43998354	Gmdrm	hypo	CHH	-0.1774
Gm15	44010443	44011231	Gmdrm	hypo	CHH	-0.037
Gm15	44018890	44019645	Gmdrm	hypo	CHH	-0.0483
Gm15	44038647	44039642	Gmdrm	hypo	CHH	-0.0179
Gm15	44075830	44076815	Gmdrm	hypo	CHH	-0.0487
Gm15	44077862	44078846	Gmdrm	hypo	CHH	-0.0226
Gm15	44078894	44079422	Gmdrm	hypo	CHH	-0.0371
Gm15	44106449	44107442	Gmdrm	hypo	CHH	-0.0342

Gm15	44131566	44132560 Gmdrm	hypo	CHH	-0.0626
Gm15	44143994	44144980 Gmdrm	hypo	CHH	-0.0146
Gm15	44146084	44147079 Gmdrm	hypo	CHH	-0.0399
Gm15	44167227	44168227 Gmdrm	hypo	CHH	-0.0279
Gm15	44196697	44197653 Gmdrm	hypo	CHH	-0.0529
Gm15	44199240	44200238 Gmdrm	hypo	CHH	-0.0229
Gm15	44219925	44220913 Gmdrm	hypo	CHH	-0.0582
Gm15	44222726	44223713 Gmdrm	hypo	CHH	-0.0397
Gm15	44229167	44230154 Gmdrm	hypo	CHH	-0.0756
Gm15	44230210	44231201 Gmdrm	hypo	CHH	-0.0722
Gm15	44243116	44244099 Gmdrm	hypo	CHH	-0.0183
Gm15	44245166	44246148 Gmdrm	hypo	CHH	-0.0929
Gm15	44251735	44251907 Gmdrm	hypo	CHH	-0.0481
Gm15	44252022	44253021 Gmdrm	hypo	CHH	-0.2231
Gm15	44253025	44254012 Gmdrm	hypo	CHH	-0.0983
Gm15	44257060	44258035 Gmdrm	hypo	CHH	-0.028
Gm15	44260265	44261255 Gmdrm	hypo	CHH	-0.0582
Gm15	44265739	44266729 Gmdrm	hypo	CHH	-0.2514
Gm15	44275662	44276657 Gmdrm	hypo	CHH	-0.0617
Gm15	44276678	44277238 Gmdrm	hypo	CHH	-0.0537
Gm15	44288540	44289402 Gmdrm	hypo	CHH	-0.2695
Gm15	44289505	44290486 Gmdrm	hypo	CHH	-0.0274
Gm15	44305216	44306216 Gmdrm	hypo	CHH	-0.024
Gm15	44306227	44306399 Gmdrm	hypo	CHH	-0.015
Gm15	44307604	44308597 Gmdrm	hypo	CHH	-0.0126
Gm15	44342253	44343223 Gmdrm	hypo	CHH	-0.0541
Gm15	44343257	44344252 Gmdrm	hypo	CHH	-0.0486
Gm15	44354652	44355644 Gmdrm	hypo	CHH	-0.1244
Gm15	44355657	44356424 Gmdrm	hypo	CHH	-0.0988
Gm15	44363633	44364624 Gmdrm	hypo	CHH	-0.0849
Gm15	44364639	44365621 Gmdrm	hypo	CHH	-0.0876
Gm15	44367134	44368125 Gmdrm	hypo	CHH	-0.1998
Gm15	44368136	44368444 Gmdrm	hypo	CHH	-0.1124
Gm15	44388989	44389989 Gmdrm	hypo	CHH	-0.0508
Gm15	44391995	44392994 Gmdrm	hypo	CHH	-0.0767
Gm15	44392997	44393982 Gmdrm	hypo	CHH	-0.066
Gm15	44406127	44407095 Gmdrm	hypo	CHH	-0.0284
Gm15	44407129	44408117 Gmdrm	hypo	CHH	-0.0348
Gm15	44410756	44411729 Gmdrm	hypo	CHH	-0.139
Gm15	44421971	44422956 Gmdrm	hypo	CHH	-0.0169
Gm15	44424981	44425908 Gmdrm	hypo	CHH	-0.0134
Gm15	44433043	44433609 Gmdrm	hypo	CHH	-0.0949
Gm15	44435072	44435620 Gmdrm	hypo	CHH	-0.2124
Gm15	44437231	44438230 Gmdrm	hypo	CHH	-0.0256
Gm15	44439241	44440234 Gmdrm	hypo	CHH	-0.0478
Gm15	44444304	44445304 Gmdrm	hypo	CHH	-0.028

Gm15	44449162	44449957 Gmdrm	hypo	CHH	-0.062
Gm15	44456408	44457372 Gmdrm	hypo	CHH	-0.0249
Gm15	44465878	44466878 Gmdrm	hypo	CHH	-0.0603
Gm15	44466886	44467777 Gmdrm	hypo	CHH	-0.4167
Gm15	44491006	44491997 Gmdrm	hypo	CHH	-0.0304
Gm15	44492016	44492426 Gmdrm	hypo	CHH	-0.0197
Gm15	44492538	44493535 Gmdrm	hypo	CHH	-0.0103
Gm15	44493540	44494538 Gmdrm	hypo	CHH	-0.0487
Gm15	44501187	44502186 Gmdrm	hypo	CHH	-0.184
Gm15	44503215	44504215 Gmdrm	hypo	CHH	-0.0286
Gm15	44504239	44505239 Gmdrm	hypo	CHH	-0.05
Gm15	44507250	44508250 Gmdrm	hypo	CHH	-0.037
Gm15	44508251	44509251 Gmdrm	hypo	CHH	-0.0839
Gm15	44511839	44512835 Gmdrm	hypo	CHH	-0.1654
Gm15	44512851	44513182 Gmdrm	hypo	CHH	-0.2436
Gm15	44517982	44518844 Gmdrm	hypo	CHH	-0.0507
Gm15	44521526	44522170 Gmdrm	hypo	CHH	-0.1174
Gm15	44524660	44524918 Gmdrm	hypo	CHH	-0.1889
Gm15	44535949	44536934 Gmdrm	hypo	CHH	-0.0435
Gm15	44536950	44537340 Gmdrm	hypo	CHH	-0.045
Gm15	44538756	44539120 Gmdrm	hypo	CHH	-0.1068
Gm15	44539241	44539756 Gmdrm	hypo	CHH	-0.0587
Gm15	44543916	44544907 Gmdrm	hypo	CHH	-0.0298
Gm15	44545928	44546926 Gmdrm	hypo	CHH	-0.0312
Gm15	44546934	44547911 Gmdrm	hypo	CHH	-0.0518
Gm15	44553114	44554110 Gmdrm	hypo	CHH	-0.0171
Gm15	44554131	44554235 Gmdrm	hypo	CHH	-0.036
Gm15	44560302	44560968 Gmdrm	hypo	CHH	-0.2481
Gm15	44562682	44563000 Gmdrm	hypo	CHH	-0.1445
Gm15	44565797	44566606 Gmdrm	hypo	CHH	-0.0757
Gm15	44568957	44569944 Gmdrm	hypo	CHH	-0.1556
Gm15	44569968	44570085 Gmdrm	hypo	CHH	-0.434
Gm15	44578348	44579172 Gmdrm	hypo	CHH	-0.0453
Gm15	44580515	44581514 Gmdrm	hypo	CHH	-0.0869
Gm15	44581517	44581909 Gmdrm	hypo	CHH	-0.2898
Gm15	44582828	44583520 Gmdrm	hypo	CHH	-0.0179
Gm15	44583656	44584638 Gmdrm	hypo	CHH	-0.0408
Gm15	44607807	44608697 Gmdrm	hypo	CHH	-0.0269
Gm15	44608998	44609994 Gmdrm	hypo	CHH	-0.0212
Gm15	44610071	44611049 Gmdrm	hypo	CHH	-0.0242
Gm15	44611082	44612079 Gmdrm	hypo	CHH	-0.0356
Gm15	44669037	44670033 Gmdrm	hypo	CHH	-0.0354
Gm15	44674134	44675109 Gmdrm	hypo	CHH	-0.0227
Gm15	44680172	44680798 Gmdrm	hypo	CHH	-0.1648
Gm15	44680929	44681039 Gmdrm	hypo	CHH	-0.2078
Gm15	44683160	44683585 Gmdrm	hypo	CHH	-0.1025

Gm15	44685733	44686658 Gmdrm	hypo	CHH	-0.0875
Gm15	44688918	44689918 Gmdrm	hypo	CHH	-0.1279
Gm15	44689926	44690160 Gmdrm	hypo	CHH	-0.2865
Gm15	44699308	44700308 Gmdrm	hypo	CHH	-0.0973
Gm15	44700326	44700857 Gmdrm	hypo	CHH	-0.1063
Gm15	44730804	44731803 Gmdrm	hypo	CHH	-0.0559
Gm15	44734821	44735380 Gmdrm	hypo	CHH	-0.02
Gm15	44766628	44767593 Gmdrm	hypo	CHH	-0.1303
Gm15	44767635	44768615 Gmdrm	hypo	CHH	-0.0467
Gm15	44774069	44775065 Gmdrm	hypo	CHH	-0.0278
Gm15	44775073	44776070 Gmdrm	hypo	CHH	-0.0256
Gm15	44776106	44776827 Gmdrm	hypo	CHH	-0.0528
Gm15	44783866	44784856 Gmdrm	hypo	CHH	-0.1684
Gm15	44789478	44790441 Gmdrm	hypo	CHH	-0.0518
Gm15	44790502	44791489 Gmdrm	hypo	CHH	-0.0352
Gm15	44798622	44799620 Gmdrm	hypo	CHH	-0.0527
Gm15	44799636	44799749 Gmdrm	hypo	CHH	-0.1942
Gm15	44810240	44811238 Gmdrm	hypo	CHH	-0.0142
Gm15	44814669	44815664 Gmdrm	hypo	CHH	-0.3031
Gm15	44822025	44823021 Gmdrm	hypo	CHH	-0.068
Gm15	44824683	44825676 Gmdrm	hypo	CHH	-0.0327
Gm15	44833609	44834603 Gmdrm	hypo	CHH	-0.0234
Gm15	44837355	44838101 Gmdrm	hypo	CHH	-0.0172
Gm15	44851278	44852263 Gmdrm	hypo	CHH	-0.0589
Gm15	44852304	44853297 Gmdrm	hypo	CHH	-0.1871
Gm15	44853309	44854008 Gmdrm	hypo	CHH	-0.0738
Gm15	44856091	44857074 Gmdrm	hypo	CHH	-0.0193
Gm15	44859347	44860037 Gmdrm	hypo	CHH	-0.1975
Gm15	44860180	44861160 Gmdrm	hypo	CHH	-0.1444
Gm15	44861187	44862170 Gmdrm	hypo	CHH	-0.0172
Gm15	44863999	44864965 Gmdrm	hypo	CHH	-0.0219
Gm15	44873359	44874359 Gmdrm	hypo	CHH	-0.0481
Gm15	44878121	44879120 Gmdrm	hypo	CHH	-0.0803
Gm15	44879131	44879524 Gmdrm	hypo	CHH	-0.077
Gm15	44882546	44883535 Gmdrm	hypo	CHH	-0.1613
Gm15	44886582	44887581 Gmdrm	hypo	CHH	-0.0741
Gm15	44887587	44887852 Gmdrm	hypo	CHH	-0.109
Gm15	44889207	44890206 Gmdrm	hypo	CHH	-0.2352
Gm15	44890208	44891205 Gmdrm	hypo	CHH	-0.0865
Gm15	44916518	44917512 Gmdrm	hypo	CHH	-0.0624
Gm15	44917521	44918298 Gmdrm	hypo	CHH	-0.0697
Gm15	44924846	44925460 Gmdrm	hypo	CHH	-0.0266
Gm15	44929849	44930821 Gmdrm	hypo	CHH	-0.0617
Gm15	44940010	44941004 Gmdrm	hypo	CHH	-0.0407
Gm15	44945275	44946275 Gmdrm	hypo	CHH	-0.0162
Gm15	44946277	44946442 Gmdrm	hypo	CHH	-0.03

Gm15	44964234	44965185	Gmdrm	hypo	CHH	-0.0292
Gm15	44966325	44967320	Gmdrm	hypo	CHH	-0.0349
Gm15	44970005	44970990	Gmdrm	hypo	CHH	-0.015
Gm15	44987111	44988111	Gmdrm	hypo	CHH	-0.0143
Gm15	44991978	44992977	Gmdrm	hypo	CHH	-0.0408
Gm15	44992979	44993841	Gmdrm	hypo	CHH	-0.0272
Gm15	44994726	44995726	Gmdrm	hypo	CHH	-0.0128
Gm15	45008646	45009645	Gmdrm	hypo	CHH	-0.0473
Gm15	45009652	45010652	Gmdrm	hypo	CHH	-0.0656
Gm15	45013525	45013845	Gmdrm	hypo	CHH	-0.0214
Gm15	45021121	45022116	Gmdrm	hypo	CHH	-0.0895
Gm15	45022124	45023124	Gmdrm	hypo	CHH	-0.0967
Gm15	45023126	45023458	Gmdrm	hypo	CHH	-0.061
Gm15	45023610	45024604	Gmdrm	hypo	CHH	-0.0772
Gm15	45024611	45025110	Gmdrm	hypo	CHH	-0.0998
Gm15	45025243	45026243	Gmdrm	hypo	CHH	-0.1182
Gm15	45026244	45027239	Gmdrm	hypo	CHH	-0.0922
Gm15	45027252	45028247	Gmdrm	hypo	CHH	-0.053
Gm15	45028261	45029246	Gmdrm	hypo	CHH	-0.0375
Gm15	45048877	45049872	Gmdrm	hypo	CHH	-0.1716
Gm15	45049882	45050838	Gmdrm	hypo	CHH	-0.0484
Gm15	45053935	45054870	Gmdrm	hypo	CHH	-0.0518
Gm15	45054951	45055937	Gmdrm	hypo	CHH	-0.0884
Gm15	45075699	45076448	Gmdrm	hypo	CHH	-0.1283
Gm15	45097174	45098166	Gmdrm	hypo	CHH	-0.0526
Gm15	45167364	45168359	Gmdrm	hypo	CHH	-0.0234
Gm15	45173994	45174988	Gmdrm	hypo	CHH	-0.0294
Gm15	45175000	45175999	Gmdrm	hypo	CHH	-0.0598
Gm15	45176024	45177019	Gmdrm	hypo	CHH	-0.0858
Gm15	45177028	45178025	Gmdrm	hypo	CHH	-0.1284
Gm15	45180813	45181811	Gmdrm	hypo	CHH	-0.0521
Gm15	45182104	45183061	Gmdrm	hypo	CHH	-0.0609
Gm15	45186854	45187842	Gmdrm	hypo	CHH	-0.0128
Gm15	45211276	45212257	Gmdrm	hypo	CHH	-0.1521
Gm15	45220891	45221887	Gmdrm	hypo	CHH	-0.0139
Gm15	45243609	45244349	Gmdrm	hypo	CHH	-0.0319
Gm15	45295346	45296341	Gmdrm	hypo	CHH	-0.0167
Gm15	45298404	45298757	Gmdrm	hypo	CHH	-0.0403
Gm15	45299312	45300298	Gmdrm	hypo	CHH	-0.0268
Gm15	45308377	45309340	Gmdrm	hypo	CHH	-0.0766
Gm15	45309379	45310377	Gmdrm	hypo	CHH	-0.1153
Gm15	45310391	45311384	Gmdrm	hypo	CHH	-0.0675
Gm15	45317860	45318853	Gmdrm	hypo	CHH	-0.1539
Gm15	45318878	45319254	Gmdrm	hypo	CHH	-0.1217
Gm15	45319793	45320027	Gmdrm	hypo	CHH	-0.1619
Gm15	45320161	45321156	Gmdrm	hypo	CHH	-0.0192

Gm15	45328537	45329537	Gmdrm	hypo	CHH	-0.0592
Gm15	45350705	45351705	Gmdrm	hypo	CHH	-0.0757
Gm15	45351706	45352580	Gmdrm	hypo	CHH	-0.0743
Gm15	45357582	45358560	Gmdrm	hypo	CHH	-0.0131
Gm15	45376659	45377655	Gmdrm	hypo	CHH	-0.0454
Gm15	45390834	45391834	Gmdrm	hypo	CHH	-0.0252
Gm15	45391850	45392846	Gmdrm	hypo	CHH	-0.0266
Gm15	45397380	45398375	Gmdrm	hypo	CHH	-0.2058
Gm15	45406001	45407000	Gmdrm	hypo	CHH	-0.0958
Gm15	45411748	45412731	Gmdrm	hypo	CHH	-0.021
Gm15	45423593	45424589	Gmdrm	hypo	CHH	-0.0658
Gm15	45425903	45426901	Gmdrm	hypo	CHH	-0.038
Gm15	45455088	45455602	Gmdrm	hypo	CHH	-0.0247
Gm15	45461572	45462567	Gmdrm	hypo	CHH	-0.048
Gm15	45462585	45463578	Gmdrm	hypo	CHH	-0.0218
Gm15	45505663	45506651	Gmdrm	hypo	CHH	-0.149
Gm15	45506667	45506674	Gmdrm	hypo	CHH	-0.126
Gm15	45516058	45517056	Gmdrm	hypo	CHH	-0.0556
Gm15	45517065	45517586	Gmdrm	hypo	CHH	-0.1493
Gm15	45519388	45520374	Gmdrm	hypo	CHH	-0.0134
Gm15	45543968	45544417	Gmdrm	hypo	CHH	-0.0341
Gm15	45553419	45554398	Gmdrm	hypo	CHH	-0.087
Gm15	45554423	45555419	Gmdrm	hypo	CHH	-0.0175
Gm15	45570865	45571856	Gmdrm	hypo	CHH	-0.0093
Gm15	45572884	45573364	Gmdrm	hypo	CHH	-0.0643
Gm15	45587131	45588130	Gmdrm	hypo	CHH	-0.0873
Gm15	45620861	45621861	Gmdrm	hypo	CHH	-0.0353
Gm15	45653474	45654471	Gmdrm	hypo	CHH	-0.0377
Gm15	45654478	45655228	Gmdrm	hypo	CHH	-0.0995
Gm15	45663561	45664317	Gmdrm	hypo	CHH	-0.0364
Gm15	45680200	45681198	Gmdrm	hypo	CHH	-0.034
Gm15	45696734	45697710	Gmdrm	hypo	CHH	-0.0855
Gm15	45698771	45699762	Gmdrm	hypo	CHH	-0.0269
Gm15	45699782	45700663	Gmdrm	hypo	CHH	-0.013
Gm15	45703836	45704830	Gmdrm	hypo	CHH	-0.0526
Gm15	45706324	45706652	Gmdrm	hypo	CHH	-0.0148
Gm15	45753350	45754347	Gmdrm	hypo	CHH	-0.0449
Gm15	45756806	45757804	Gmdrm	hypo	CHH	-0.0581
Gm15	45757812	45758801	Gmdrm	hypo	CHH	-0.048
Gm15	45758813	45759239	Gmdrm	hypo	CHH	-0.023
Gm15	45763920	45764920	Gmdrm	hypo	CHH	-0.0287
Gm15	45773881	45774427	Gmdrm	hypo	CHH	-0.0557
Gm15	45836395	45837384	Gmdrm	hypo	CHH	-0.0272
Gm15	45838417	45839390	Gmdrm	hypo	CHH	-0.0344
Gm15	45855929	45856587	Gmdrm	hypo	CHH	-0.0356
Gm15	45861795	45862765	Gmdrm	hypo	CHH	-0.026

Gm15	45862813	45863807	Gmdrm	hypo	CHH	-0.0402
Gm15	45863817	45864810	Gmdrm	hypo	CHH	-0.0215
Gm15	45864819	45865805	Gmdrm	hypo	CHH	-0.0175
Gm15	45865861	45866861	Gmdrm	hypo	CHH	-0.0429
Gm15	45866871	45867869	Gmdrm	hypo	CHH	-0.0455
Gm15	45867898	45868891	Gmdrm	hypo	CHH	-0.0191
Gm15	45868906	45869885	Gmdrm	hypo	CHH	-0.0306
Gm15	45872964	45873958	Gmdrm	hypo	CHH	-0.0238
Gm15	45892671	45893671	Gmdrm	hypo	CHH	-0.0124
Gm15	45893679	45894679	Gmdrm	hypo	CHH	-0.0159
Gm15	45898529	45899529	Gmdrm	hypo	CHH	-0.0234
Gm15	45899535	45900397	Gmdrm	hypo	CHH	-0.0058
Gm15	45904272	45905270	Gmdrm	hypo	CHH	-0.0059
Gm15	45909004	45909590	Gmdrm	hypo	CHH	-0.0518
Gm15	45913344	45914342	Gmdrm	hypo	CHH	-0.0206
Gm15	45915356	45916347	Gmdrm	hypo	CHH	-0.0182
Gm15	45916362	45917360	Gmdrm	hypo	CHH	-0.0117
Gm15	45917363	45918230	Gmdrm	hypo	CHH	-0.0193
Gm15	45918729	45919723	Gmdrm	hypo	CHH	-0.0079
Gm15	45919747	45920742	Gmdrm	hypo	CHH	-0.0145
Gm15	45931788	45932788	Gmdrm	hypo	CHH	-0.01
Gm15	45932791	45933786	Gmdrm	hypo	CHH	-0.0148
Gm15	45936231	45937216	Gmdrm	hypo	CHH	-0.0266
Gm15	45937232	45938079	Gmdrm	hypo	CHH	-0.0372
Gm15	45938269	45939265	Gmdrm	hypo	CHH	-0.0179
Gm15	45945414	45946410	Gmdrm	hypo	CHH	-0.024
Gm15	45952134	45953125	Gmdrm	hypo	CHH	-0.0361
Gm15	45959170	45960170	Gmdrm	hypo	CHH	-0.0226
Gm15	45960176	45961174	Gmdrm	hypo	CHH	-0.0275
Gm15	45962580	45963049	Gmdrm	hypo	CHH	-0.0174
Gm15	45971705	45972682	Gmdrm	hypo	CHH	-0.0153
Gm15	45973112	45973802	Gmdrm	hypo	CHH	-0.0288
Gm15	45973903	45974899	Gmdrm	hypo	CHH	-0.0161
Gm15	45976742	45977739	Gmdrm	hypo	CHH	-0.0491
Gm15	45977747	45978741	Gmdrm	hypo	CHH	-0.0461
Gm15	45978752	45979747	Gmdrm	hypo	CHH	-0.0194
Gm15	45979764	45980757	Gmdrm	hypo	CHH	-0.0111
Gm15	45980765	45981765	Gmdrm	hypo	CHH	-0.0179
Gm15	45982770	45983753	Gmdrm	hypo	CHH	-0.0088
Gm15	45989294	45990287	Gmdrm	hypo	CHH	-0.0191
Gm15	45990295	45991292	Gmdrm	hypo	CHH	-0.0429
Gm15	45992320	45993320	Gmdrm	hypo	CHH	-0.038
Gm15	45993327	45994300	Gmdrm	hypo	CHH	-0.0303
Gm15	45994345	45995341	Gmdrm	hypo	CHH	-0.0203
Gm15	45995346	45996345	Gmdrm	hypo	CHH	-0.0296
Gm15	45996386	45997382	Gmdrm	hypo	CHH	-0.0205

Gm15	45997397	45998089	Gmdrm	hypo	CHH	-0.0149
Gm15	46005500	46006490	Gmdrm	hypo	CHH	-0.03
Gm15	46006502	46007499	Gmdrm	hypo	CHH	-0.0179
Gm15	46007508	46007906	Gmdrm	hypo	CHH	-0.0306
Gm15	46010161	46011063	Gmdrm	hypo	CHH	-0.0403
Gm15	46011179	46012170	Gmdrm	hypo	CHH	-0.0423
Gm15	46012180	46013127	Gmdrm	hypo	CHH	-0.052
Gm15	46015959	46016253	Gmdrm	hypo	CHH	-0.1246
Gm15	46016440	46017259	Gmdrm	hypo	CHH	-0.0203
Gm15	46017797	46018463	Gmdrm	hypo	CHH	-0.0184
Gm15	46019637	46020636	Gmdrm	hypo	CHH	-0.0221
Gm15	46020640	46021634	Gmdrm	hypo	CHH	-0.0459
Gm15	46021968	46022756	Gmdrm	hypo	CHH	-0.0712
Gm15	46023042	46023625	Gmdrm	hypo	CHH	-0.0457
Gm15	46023759	46024759	Gmdrm	hypo	CHH	-0.0341
Gm15	46024761	46025760	Gmdrm	hypo	CHH	-0.0141
Gm15	46037162	46038127	Gmdrm	hypo	CHH	-0.052
Gm15	46038242	46038550	Gmdrm	hypo	CHH	-0.0724
Gm15	46038837	46039490	Gmdrm	hypo	CHH	-0.0448
Gm15	46040823	46041818	Gmdrm	hypo	CHH	-0.0076
Gm15	46045767	46046764	Gmdrm	hypo	CHH	-0.0106
Gm15	46046768	46047487	Gmdrm	hypo	CHH	-0.0184
Gm15	46049347	46050345	Gmdrm	hypo	CHH	-0.0382
Gm15	46050348	46051343	Gmdrm	hypo	CHH	-0.0415
Gm15	46051352	46052315	Gmdrm	hypo	CHH	-0.0417
Gm15	46053084	46054082	Gmdrm	hypo	CHH	-0.0213
Gm15	46056127	46057104	Gmdrm	hypo	CHH	-0.007
Gm15	46063976	46064969	Gmdrm	hypo	CHH	-0.0137
Gm15	46064981	46065698	Gmdrm	hypo	CHH	-0.0214
Gm15	46066031	46066790	Gmdrm	hypo	CHH	-0.0249
Gm15	46067009	46068004	Gmdrm	hypo	CHH	-0.0157
Gm15	47404321	47405320	Gmdrm	hypo	CHH	-0.022
Gm15	47408334	47409334	Gmdrm	hypo	CHH	-0.0044
Gm15	47409339	47410322	Gmdrm	hypo	CHH	-0.0072
Gm15	47410342	47411295	Gmdrm	hypo	CHH	-0.008
Gm15	47411349	47412348	Gmdrm	hypo	CHH	-0.0099
Gm15	47414949	47415504	Gmdrm	hypo	CHH	-0.0212
Gm15	47415646	47416645	Gmdrm	hypo	CHH	-0.0111
Gm15	47440596	47440874	Gmdrm	hypo	CHH	-0.0497
Gm15	47441656	47442186	Gmdrm	hypo	CHH	-0.0389
Gm15	47452788	47453787	Gmdrm	hypo	CHH	-0.009
Gm15	47454787	47455773	Gmdrm	hypo	CHH	-0.0173
Gm15	47461096	47462031	Gmdrm	hypo	CHH	-0.013
Gm15	47502436	47503418	Gmdrm	hypo	CHH	-0.0424
Gm15	47505852	47506847	Gmdrm	hypo	CHH	-0.0251
Gm15	47510705	47511694	Gmdrm	hypo	CHH	-0.0683

Gm15	47521422	47522420 Gmdrm	hypo	CHH	-0.0685
Gm15	47522423	47522964 Gmdrm	hypo	CHH	-0.0799
Gm15	47529982	47530959 Gmdrm	hypo	CHH	-0.0531
Gm15	47530999	47531996 Gmdrm	hypo	CHH	-0.0173
Gm15	47536042	47537041 Gmdrm	hypo	CHH	-0.0238
Gm15	47537044	47538044 Gmdrm	hypo	CHH	-0.0258
Gm15	47539837	47540833 Gmdrm	hypo	CHH	-0.0163
Gm15	47540841	47541832 Gmdrm	hypo	CHH	-0.1293
Gm15	47541843	47542837 Gmdrm	hypo	CHH	-0.0297
Gm15	47543861	47544858 Gmdrm	hypo	CHH	-0.0251
Gm15	47544864	47545857 Gmdrm	hypo	CHH	-0.0758
Gm15	47558830	47559760 Gmdrm	hypo	CHH	-0.0726
Gm15	47567760	47568760 Gmdrm	hypo	CHH	-0.0363
Gm15	47616558	47617532 Gmdrm	hypo	CHH	-0.0513
Gm15	47617559	47618548 Gmdrm	hypo	CHH	-0.0502
Gm15	47619742	47620741 Gmdrm	hypo	CHH	-0.0322
Gm15	47636936	47637935 Gmdrm	hypo	CHH	-0.0874
Gm15	47642482	47643133 Gmdrm	hypo	CHH	-0.1466
Gm15	47650816	47651786 Gmdrm	hypo	CHH	-0.0229
Gm15	47660513	47661467 Gmdrm	hypo	CHH	-0.1475
Gm15	47661538	47662534 Gmdrm	hypo	CHH	-0.0404
Gm15	47670821	47671809 Gmdrm	hypo	CHH	-0.0265
Gm15	47671846	47672833 Gmdrm	hypo	CHH	-0.0415
Gm15	47672851	47673848 Gmdrm	hypo	CHH	-0.0291
Gm15	47680635	47681628 Gmdrm	hypo	CHH	-0.0444
Gm15	47686730	47687722 Gmdrm	hypo	CHH	-0.0807
Gm15	47689273	47690271 Gmdrm	hypo	CHH	-0.056
Gm15	47690275	47691257 Gmdrm	hypo	CHH	-0.0734
Gm15	47691287	47692265 Gmdrm	hypo	CHH	-0.0492
Gm15	47692439	47693424 Gmdrm	hypo	CHH	-0.0614
Gm15	47693447	47693614 Gmdrm	hypo	CHH	-0.0537
Gm15	47695425	47696419 Gmdrm	hypo	CHH	-0.0133
Gm15	47697430	47698418 Gmdrm	hypo	CHH	-0.0198
Gm15	47699436	47700427 Gmdrm	hypo	CHH	-0.126
Gm15	47703060	47703654 Gmdrm	hypo	CHH	-0.0594
Gm15	47713095	47713996 Gmdrm	hypo	CHH	-0.0366
Gm15	47714106	47715096 Gmdrm	hypo	CHH	-0.0157
Gm15	47718218	47719218 Gmdrm	hypo	CHH	-0.026
Gm15	47744099	47745087 Gmdrm	hypo	CHH	-0.0176
Gm15	47746314	47747312 Gmdrm	hypo	CHH	-0.0176
Gm15	47749286	47750286 Gmdrm	hypo	CHH	-0.0283
Gm15	47754487	47755456 Gmdrm	hypo	CHH	-0.0471
Gm15	47828863	47829860 Gmdrm	hypo	CHH	-0.019
Gm15	47863181	47864180 Gmdrm	hypo	CHH	-0.022
Gm15	47864185	47865182 Gmdrm	hypo	CHH	-0.0308
Gm15	47871229	47872229 Gmdrm	hypo	CHH	-0.0512

Gm15	47872232	47873223	Gmdrm	hypo	CHH	-0.0309
Gm15	47878268	47879263	Gmdrm	hypo	CHH	-0.0308
Gm15	47881283	47882127	Gmdrm	hypo	CHH	-0.0229
Gm15	47882231	47883219	Gmdrm	hypo	CHH	-0.0472
Gm15	47883241	47884240	Gmdrm	hypo	CHH	-0.0361
Gm15	47884249	47885239	Gmdrm	hypo	CHH	-0.0677
Gm15	47919998	47920952	Gmdrm	hypo	CHH	-0.0557
Gm15	47921075	47921155	Gmdrm	hypo	CHH	-0.1862
Gm15	47921258	47922189	Gmdrm	hypo	CHH	-0.077
Gm15	47925994	47926990	Gmdrm	hypo	CHH	-0.0565
Gm15	47930592	47931588	Gmdrm	hypo	CHH	-0.0708
Gm15	47932073	47933066	Gmdrm	hypo	CHH	-0.0492
Gm15	47933074	47934068	Gmdrm	hypo	CHH	-0.0315
Gm15	47934075	47935049	Gmdrm	hypo	CHH	-0.0399
Gm15	47940012	47941010	Gmdrm	hypo	CHH	-0.0364
Gm15	47946260	47947249	Gmdrm	hypo	CHH	-0.0148
Gm15	47957686	47958685	Gmdrm	hypo	CHH	-0.0168
Gm15	47960378	47961363	Gmdrm	hypo	CHH	-0.0322
Gm15	47961389	47962363	Gmdrm	hypo	CHH	-0.0607
Gm15	47962580	47963481	Gmdrm	hypo	CHH	-0.0512
Gm15	47963607	47964597	Gmdrm	hypo	CHH	-0.0436
Gm15	47968165	47968461	Gmdrm	hypo	CHH	-0.084
Gm15	47968573	47969110	Gmdrm	hypo	CHH	-0.1033
Gm15	47969304	47970293	Gmdrm	hypo	CHH	-0.0504
Gm15	47981629	47982621	Gmdrm	hypo	CHH	-0.0294
Gm15	47993128	47994096	Gmdrm	hypo	CHH	-0.0471
Gm15	47994136	47995135	Gmdrm	hypo	CHH	-0.0533
Gm15	47995137	47996134	Gmdrm	hypo	CHH	-0.0334
Gm15	47997421	47997753	Gmdrm	hypo	CHH	-0.0538
Gm15	47998474	47999455	Gmdrm	hypo	CHH	-0.0459
Gm15	47999482	48000468	Gmdrm	hypo	CHH	-0.0328
Gm15	48003704	48004689	Gmdrm	hypo	CHH	-0.0378
Gm15	48005008	48005942	Gmdrm	hypo	CHH	-0.0366
Gm15	48006036	48006698	Gmdrm	hypo	CHH	-0.0554
Gm15	48015873	48016084	Gmdrm	hypo	CHH	-0.0807
Gm15	48019245	48020239	Gmdrm	hypo	CHH	-0.0738
Gm15	48020250	48021248	Gmdrm	hypo	CHH	-0.0474
Gm15	48022677	48023560	Gmdrm	hypo	CHH	-0.0437
Gm15	48023698	48024420	Gmdrm	hypo	CHH	-0.025
Gm15	48025770	48026751	Gmdrm	hypo	CHH	-0.0192
Gm15	48045291	48046291	Gmdrm	hypo	CHH	-0.0294
Gm15	48046313	48046938	Gmdrm	hypo	CHH	-0.0682
Gm15	48055065	48056043	Gmdrm	hypo	CHH	-0.0704
Gm15	48056381	48057371	Gmdrm	hypo	CHH	-0.0462
Gm15	48057503	48058472	Gmdrm	hypo	CHH	-0.0229
Gm15	48058520	48059520	Gmdrm	hypo	CHH	-0.0305

Gm15	48074994	48075991	Gmdrm	hypo	CHH	-0.0485
Gm15	48077010	48078001	Gmdrm	hypo	CHH	-0.0413
Gm15	48089401	48090394	Gmdrm	hypo	CHH	-0.0407
Gm15	48090417	48091408	Gmdrm	hypo	CHH	-0.0483
Gm15	48091423	48092403	Gmdrm	hypo	CHH	-0.0251
Gm15	48108331	48109306	Gmdrm	hypo	CHH	-0.0564
Gm15	48119864	48120858	Gmdrm	hypo	CHH	-0.0432
Gm15	48120867	48121862	Gmdrm	hypo	CHH	-0.03
Gm15	48146614	48147598	Gmdrm	hypo	CHH	-0.0322
Gm15	48204644	48205644	Gmdrm	hypo	CHH	-0.0416
Gm15	48208540	48209518	Gmdrm	hypo	CHH	-0.0519
Gm15	48215752	48216734	Gmdrm	hypo	CHH	-0.055
Gm15	48216785	48217601	Gmdrm	hypo	CHH	-0.0759
Gm15	48218739	48218838	Gmdrm	hypo	CHH	-0.0367
Gm15	48227235	48228230	Gmdrm	hypo	CHH	-0.0141
Gm15	48228242	48229237	Gmdrm	hypo	CHH	-0.0813
Gm15	48229254	48230249	Gmdrm	hypo	CHH	-0.383
Gm15	48243548	48244533	Gmdrm	hypo	CHH	-0.0195
Gm15	48312917	48313910	Gmdrm	hypo	CHH	-0.0542
Gm15	48317006	48317455	Gmdrm	hypo	CHH	-0.0347
Gm15	48321932	48322932	Gmdrm	hypo	CHH	-0.0638
Gm15	48364717	48365714	Gmdrm	hypo	CHH	-0.0126
Gm15	48409860	48410860	Gmdrm	hypo	CHH	-0.1323
Gm15	48410896	48411865	Gmdrm	hypo	CHH	-0.1352
Gm15	48425944	48426941	Gmdrm	hypo	CHH	-0.1013
Gm15	48433511	48434510	Gmdrm	hypo	CHH	-0.1173
Gm15	48436101	48437101	Gmdrm	hypo	CHH	-0.0683
Gm15	48447914	48448909	Gmdrm	hypo	CHH	-0.0499
Gm15	48450791	48450906	Gmdrm	hypo	CHH	-0.044
Gm15	48451117	48452101	Gmdrm	hypo	CHH	-0.1594
Gm15	48456241	48456476	Gmdrm	hypo	CHH	-0.0515
Gm15	48458730	48459409	Gmdrm	hypo	CHH	-0.0358
Gm15	48463428	48463926	Gmdrm	hypo	CHH	-0.0304
Gm15	48464289	48465030	Gmdrm	hypo	CHH	-0.1043
Gm15	48528135	48529130	Gmdrm	hypo	CHH	-0.0314
Gm15	48529139	48530131	Gmdrm	hypo	CHH	-0.1039
Gm15	48551025	48551977	Gmdrm	hypo	CHH	-0.0115
Gm15	48562903	48563896	Gmdrm	hypo	CHH	-0.0307
Gm15	48565426	48566425	Gmdrm	hypo	CHH	-0.0867
Gm15	48567332	48568332	Gmdrm	hypo	CHH	-0.059
Gm15	48570347	48571290	Gmdrm	hypo	CHH	-0.0186
Gm15	48574699	48575696	Gmdrm	hypo	CHH	-0.0975
Gm15	48575700	48576699	Gmdrm	hypo	CHH	-0.0498
Gm15	48605377	48606377	Gmdrm	hypo	CHH	-0.0297
Gm15	48607386	48608374	Gmdrm	hypo	CHH	-0.0475
Gm15	48649647	48650490	Gmdrm	hypo	CHH	-0.0166

Gm15	48650637	48651634	Gmdrm	hypo	CHH	-0.0216
Gm15	48684500	48685487	Gmdrm	hypo	CHH	-0.0198
Gm15	48686535	48686601	Gmdrm	hypo	CHH	-0.135
Gm15	48750041	48751041	Gmdrm	hypo	CHH	-0.0889
Gm15	48828721	48829710	Gmdrm	hypo	CHH	-0.184
Gm15	48829773	48830425	Gmdrm	hypo	CHH	-0.0343
Gm15	48834812	48835810	Gmdrm	hypo	CHH	-0.0409
Gm15	48835815	48836803	Gmdrm	hypo	CHH	-0.0354
Gm15	48873891	48874888	Gmdrm	hypo	CHH	-0.0233
Gm15	48880124	48881123	Gmdrm	hypo	CHH	-0.2523
Gm15	48882718	48883706	Gmdrm	hypo	CHH	-0.0089
Gm15	48894056	48894671	Gmdrm	hypo	CHH	-0.0187
Gm15	48894839	48895831	Gmdrm	hypo	CHH	-0.017
Gm15	48895842	48896836	Gmdrm	hypo	CHH	-0.2854
Gm15	48896848	48897825	Gmdrm	hypo	CHH	-0.0733
Gm15	48897876	48898871	Gmdrm	hypo	CHH	-0.0417
Gm15	48924891	48925886	Gmdrm	hypo	CHH	-0.0535
Gm15	48925922	48926898	Gmdrm	hypo	CHH	-0.0167
Gm15	48926929	48927774	Gmdrm	hypo	CHH	-0.0303
Gm15	48933365	48934363	Gmdrm	hypo	CHH	-0.0799
Gm15	48934393	48935387	Gmdrm	hypo	CHH	-0.0343
Gm15	48935404	48936378	Gmdrm	hypo	CHH	-0.0468
Gm15	48937011	48938003	Gmdrm	hypo	CHH	-0.024
Gm15	48966312	48967309	Gmdrm	hypo	CHH	-0.084
Gm15	48975018	48975722	Gmdrm	hypo	CHH	-0.0253
Gm15	48975839	48976627	Gmdrm	hypo	CHH	-0.3014
Gm15	48976906	48977531	Gmdrm	hypo	CHH	-0.0808
Gm15	48979765	48980740	Gmdrm	hypo	CHH	-0.016
Gm15	48989649	48990643	Gmdrm	hypo	CHH	-0.0316
Gm15	48990655	48991653	Gmdrm	hypo	CHH	-0.0422
Gm15	48991658	48992655	Gmdrm	hypo	CHH	-0.0215
Gm15	49073447	49074443	Gmdrm	hypo	CHH	-0.058
Gm15	49079379	49080354	Gmdrm	hypo	CHH	-0.0504
Gm15	49168431	49168917	Gmdrm	hypo	CHH	-0.0281
Gm15	49170104	49171099	Gmdrm	hypo	CHH	-0.0342
Gm15	49171115	49171800	Gmdrm	hypo	CHH	-0.0351
Gm15	49172928	49173165	Gmdrm	hypo	CHH	-0.1642
Gm15	49209579	49210526	Gmdrm	hypo	CHH	-0.0445
Gm15	49234862	49235851	Gmdrm	hypo	CHH	-0.0223
Gm15	49237452	49238451	Gmdrm	hypo	CHH	-0.0097
Gm15	49246561	49247554	Gmdrm	hypo	CHH	-0.0199
Gm15	49258488	49259469	Gmdrm	hypo	CHH	-0.0502
Gm15	49259493	49259961	Gmdrm	hypo	CHH	-0.1641
Gm15	49264157	49265143	Gmdrm	hypo	CHH	-0.0345
Gm15	49283206	49284196	Gmdrm	hypo	CHH	-0.0262
Gm15	49286897	49287896	Gmdrm	hypo	CHH	-0.0814

Gm15	49294187	49295042	Gmdrm	hypo	CHH	-0.0254
Gm15	49295158	49296141	Gmdrm	hypo	CHH	-0.1076
Gm15	49296163	49297154	Gmdrm	hypo	CHH	-0.0275
Gm15	49298219	49298601	Gmdrm	hypo	CHH	-0.0211
Gm15	49299107	49299310	Gmdrm	hypo	CHH	-0.0512
Gm15	49313670	49314660	Gmdrm	hypo	CHH	-0.0458
Gm15	49317972	49318968	Gmdrm	hypo	CHH	-0.055
Gm15	49338964	49339040	Gmdrm	hypo	CHH	-0.067
Gm15	49348229	49349225	Gmdrm	hypo	CHH	-0.1426
Gm15	49353814	49354811	Gmdrm	hypo	CHH	-0.3028
Gm15	49368480	49369476	Gmdrm	hypo	CHH	-0.0305
Gm15	49370968	49371967	Gmdrm	hypo	CHH	-0.0123
Gm15	49374567	49375532	Gmdrm	hypo	CHH	-0.0179
Gm15	49375570	49376518	Gmdrm	hypo	CHH	-0.1822
Gm15	49379900	49380892	Gmdrm	hypo	CHH	-0.0866
Gm15	49395614	49396612	Gmdrm	hypo	CHH	-0.0189
Gm15	49398668	49399641	Gmdrm	hypo	CHH	-0.0339
Gm15	49399706	49400701	Gmdrm	hypo	CHH	-0.0234
Gm15	49400710	49401541	Gmdrm	hypo	CHH	-0.0722
Gm15	49401642	49402631	Gmdrm	hypo	CHH	-0.0417
Gm15	49402655	49403637	Gmdrm	hypo	CHH	-0.0736
Gm15	49403728	49404713	Gmdrm	hypo	CHH	-0.0542
Gm15	49405763	49406396	Gmdrm	hypo	CHH	-0.0431
Gm15	49414807	49414903	Gmdrm	hypo	CHH	-0.04
Gm15	49415177	49416175	Gmdrm	hypo	CHH	-0.0168
Gm15	49422232	49423149	Gmdrm	hypo	CHH	-0.0169
Gm15	49446843	49447832	Gmdrm	hypo	CHH	-0.068
Gm15	49447852	49448835	Gmdrm	hypo	CHH	-0.0801
Gm15	49448857	49449851	Gmdrm	hypo	CHH	-0.1739
Gm15	49459655	49459915	Gmdrm	hypo	CHH	-0.035
Gm15	49485133	49486116	Gmdrm	hypo	CHH	-0.0334
Gm15	49494960	49495944	Gmdrm	hypo	CHH	-0.021
Gm15	49500121	49501112	Gmdrm	hypo	CHH	-0.027
Gm15	49515459	49516438	Gmdrm	hypo	CHH	-0.0169
Gm15	49516471	49517465	Gmdrm	hypo	CHH	-0.0203
Gm15	49519499	49520487	Gmdrm	hypo	CHH	-0.013
Gm15	49523410	49524405	Gmdrm	hypo	CHH	-0.0347
Gm15	49541361	49542360	Gmdrm	hypo	CHH	-0.0394
Gm15	49552203	49553199	Gmdrm	hypo	CHH	-0.0369
Gm15	49556477	49557468	Gmdrm	hypo	CHH	-0.023
Gm15	49564830	49565796	Gmdrm	hypo	CHH	-0.0316
Gm15	49600622	49601613	Gmdrm	hypo	CHH	-0.0336
Gm15	49602384	49603330	Gmdrm	hypo	CHH	-0.0462
Gm15	49625905	49626897	Gmdrm	hypo	CHH	-0.0411
Gm15	49626920	49627913	Gmdrm	hypo	CHH	-0.1179
Gm15	49627924	49628917	Gmdrm	hypo	CHH	-0.1318

Gm15	49628925	49629924	Gmdrm	hypo	CHH	-0.1187
Gm15	49629927	49630918	Gmdrm	hypo	CHH	-0.0491
Gm15	49638450	49639445	Gmdrm	hypo	CHH	-0.0209
Gm15	49639482	49640464	Gmdrm	hypo	CHH	-0.085
Gm15	49657688	49658680	Gmdrm	hypo	CHH	-0.0797
Gm15	49661884	49662855	Gmdrm	hypo	CHH	-0.0619
Gm15	49664383	49664732	Gmdrm	hypo	CHH	-0.1896
Gm15	49666454	49667442	Gmdrm	hypo	CHH	-0.1255
Gm15	49667457	49668450	Gmdrm	hypo	CHH	-0.0213
Gm15	49672293	49673252	Gmdrm	hypo	CHH	-0.0305
Gm15	49676435	49677421	Gmdrm	hypo	CHH	-0.0216
Gm15	49705201	49706050	Gmdrm	hypo	CHH	-0.0673
Gm15	49706207	49707189	Gmdrm	hypo	CHH	-0.0191
Gm15	49707226	49707567	Gmdrm	hypo	CHH	-0.0477
Gm15	49707675	49708668	Gmdrm	hypo	CHH	-0.0196
Gm15	49746853	49747851	Gmdrm	hypo	CHH	-0.0291
Gm15	49750500	49751000	Gmdrm	hypo	CHH	-0.0336
Gm15	49758856	49759810	Gmdrm	hypo	CHH	-0.0126
Gm15	49764707	49765703	Gmdrm	hypo	CHH	-0.0816
Gm15	49767753	49768744	Gmdrm	hypo	CHH	-0.0135
Gm15	49774961	49775957	Gmdrm	hypo	CHH	-0.1349
Gm15	49775962	49776440	Gmdrm	hypo	CHH	-0.3047
Gm15	49793658	49794649	Gmdrm	hypo	CHH	-0.0118
Gm15	49796746	49797745	Gmdrm	hypo	CHH	-0.0194
Gm15	49816807	49817805	Gmdrm	hypo	CHH	-0.0792
Gm15	49829122	49830121	Gmdrm	hypo	CHH	-0.0466
Gm15	49832166	49833164	Gmdrm	hypo	CHH	-0.1736
Gm15	49833169	49834152	Gmdrm	hypo	CHH	-0.0601
Gm15	49834170	49835167	Gmdrm	hypo	CHH	-0.2504
Gm15	49835187	49836186	Gmdrm	hypo	CHH	-0.1327
Gm15	49836196	49836732	Gmdrm	hypo	CHH	-0.2136
Gm15	49840286	49841273	Gmdrm	hypo	CHH	-0.0205
Gm15	49853491	49854452	Gmdrm	hypo	CHH	-0.0149
Gm15	49857800	49858752	Gmdrm	hypo	CHH	-0.1048
Gm15	49859802	49860792	Gmdrm	hypo	CHH	-0.0362
Gm15	49886429	49887429	Gmdrm	hypo	CHH	-0.1616
Gm15	49887431	49888413	Gmdrm	hypo	CHH	-0.1703
Gm15	49890952	49891950	Gmdrm	hypo	CHH	-0.0221
Gm15	49903912	49904908	Gmdrm	hypo	CHH	-0.1033
Gm15	49913391	49914354	Gmdrm	hypo	CHH	-0.0097
Gm15	49914392	49915390	Gmdrm	hypo	CHH	-0.0494
Gm15	49925458	49926453	Gmdrm	hypo	CHH	-0.0248
Gm15	49929276	49930267	Gmdrm	hypo	CHH	-0.0195
Gm15	49930317	49931304	Gmdrm	hypo	CHH	-0.0625
Gm15	49931322	49932317	Gmdrm	hypo	CHH	-0.0641
Gm15	49947163	49948128	Gmdrm	hypo	CHH	-0.1388

Gm15	49949239	49950217	Gmdrm	hypo	CHH	-0.0224
Gm15	49950264	49951262	Gmdrm	hypo	CHH	-0.0388
Gm15	49951266	49952258	Gmdrm	hypo	CHH	-0.0427
Gm15	49953312	49953551	Gmdrm	hypo	CHH	-0.0294
Gm15	49958044	49959036	Gmdrm	hypo	CHH	-0.1161
Gm15	49963369	49964368	Gmdrm	hypo	CHH	-0.0642
Gm15	49964371	49965367	Gmdrm	hypo	CHH	-0.1212
Gm15	49982264	49982981	Gmdrm	hypo	CHH	-0.1237
Gm15	49983328	49984298	Gmdrm	hypo	CHH	-0.0879
Gm15	49985375	49986365	Gmdrm	hypo	CHH	-0.0392
Gm15	49986376	49987364	Gmdrm	hypo	CHH	-0.0418
Gm15	49988052	49989037	Gmdrm	hypo	CHH	-0.1497
Gm15	49989067	49990014	Gmdrm	hypo	CHH	-0.3372
Gm15	50005438	50006408	Gmdrm	hypo	CHH	-0.1209
Gm15	50027826	50028824	Gmdrm	hypo	CHH	-0.0718
Gm15	50028827	50029743	Gmdrm	hypo	CHH	-0.0335
Gm15	50029845	50030843	Gmdrm	hypo	CHH	-0.0889
Gm15	50030857	50031836	Gmdrm	hypo	CHH	-0.1045
Gm15	50037047	50038032	Gmdrm	hypo	CHH	-0.1281
Gm15	50038057	50039053	Gmdrm	hypo	CHH	-0.0168
Gm15	50039059	50040048	Gmdrm	hypo	CHH	-0.0262
Gm15	50040065	50041057	Gmdrm	hypo	CHH	-0.0793
Gm15	50041067	50042064	Gmdrm	hypo	CHH	-0.0314
Gm15	50067258	50068195	Gmdrm	hypo	CHH	-0.0155
Gm15	50104697	50105678	Gmdrm	hypo	CHH	-0.0246
Gm15	50116686	50117640	Gmdrm	hypo	CHH	-0.0872
Gm15	50122303	50123297	Gmdrm	hypo	CHH	-0.0204
Gm15	50129278	50130273	Gmdrm	hypo	CHH	-0.0619
Gm15	50167234	50168012	Gmdrm	hypo	CHH	-0.0838
Gm15	50169562	50170265	Gmdrm	hypo	CHH	-0.0222
Gm15	50178800	50179640	Gmdrm	hypo	CHH	-0.0205
Gm15	50192594	50193594	Gmdrm	hypo	CHH	-0.0466
Gm15	50193605	50194566	Gmdrm	hypo	CHH	-0.0234
Gm15	50199141	50200139	Gmdrm	hypo	CHH	-0.0275
Gm15	50203234	50204228	Gmdrm	hypo	CHH	-0.0566
Gm15	50208268	50209256	Gmdrm	hypo	CHH	-0.0211
Gm15	50214397	50215395	Gmdrm	hypo	CHH	-0.2774
Gm15	50216673	50217672	Gmdrm	hypo	CHH	-0.0765
Gm15	50217677	50218283	Gmdrm	hypo	CHH	-0.1177
Gm15	50221587	50222579	Gmdrm	hypo	CHH	-0.0142
Gm15	50223605	50224603	Gmdrm	hypo	CHH	-0.1679
Gm15	50224613	50225612	Gmdrm	hypo	CHH	-0.0249
Gm15	50225616	50226601	Gmdrm	hypo	CHH	-0.0427
Gm15	50229209	50230194	Gmdrm	hypo	CHH	-0.1058
Gm15	50230210	50231200	Gmdrm	hypo	CHH	-0.0518
Gm15	50234830	50235813	Gmdrm	hypo	CHH	-0.0342

Gm15	50236040	50237040 Gmdrm	hypo	CHH	-0.3035
Gm15	50237041	50238034 Gmdrm	hypo	CHH	-0.02
Gm15	50245920	50246540 Gmdrm	hypo	CHH	-0.0359
Gm15	50247692	50248240 Gmdrm	hypo	CHH	-0.0278
Gm15	50251032	50252020 Gmdrm	hypo	CHH	-0.0866
Gm15	50278964	50279922 Gmdrm	hypo	CHH	-0.0262
Gm15	50279974	50280967 Gmdrm	hypo	CHH	-0.0226
Gm15	50288482	50289482 Gmdrm	hypo	CHH	-0.1454
Gm15	50289485	50290324 Gmdrm	hypo	CHH	-0.0613
Gm15	50290671	50291502 Gmdrm	hypo	CHH	-0.017
Gm15	50300072	50301047 Gmdrm	hypo	CHH	-0.2223
Gm15	50309739	50310735 Gmdrm	hypo	CHH	-0.0153
Gm15	50310743	50311739 Gmdrm	hypo	CHH	-0.0825
Gm15	50311752	50312213 Gmdrm	hypo	CHH	-0.0836
Gm15	50323900	50324878 Gmdrm	hypo	CHH	-0.0857
Gm15	50325926	50326259 Gmdrm	hypo	CHH	-0.1554
Gm15	50327380	50328377 Gmdrm	hypo	CHH	-0.0947
Gm15	50328384	50329378 Gmdrm	hypo	CHH	-0.0916
Gm15	50332521	50333516 Gmdrm	hypo	CHH	-0.0384
Gm15	50333524	50334517 Gmdrm	hypo	CHH	-0.0124
Gm15	50334541	50335540 Gmdrm	hypo	CHH	-0.0773
Gm15	50335543	50336542 Gmdrm	hypo	CHH	-0.0538
Gm15	50340887	50341867 Gmdrm	hypo	CHH	-0.0151
Gm15	50356604	50357317 Gmdrm	hypo	CHH	-0.0886
Gm15	50368673	50369484 Gmdrm	hypo	CHH	-0.0323
Gm15	50393752	50394745 Gmdrm	hypo	CHH	-0.0324
Gm15	50394818	50395800 Gmdrm	hypo	CHH	-0.0485
Gm15	50396832	50396898 Gmdrm	hypo	CHH	-0.0456
Gm15	50399432	50400428 Gmdrm	hypo	CHH	-0.0217
Gm15	50400435	50401419 Gmdrm	hypo	CHH	-0.0289
Gm15	50425889	50426886 Gmdrm	hypo	CHH	-0.0094
Gm15	50428502	50429203 Gmdrm	hypo	CHH	-0.0169
Gm15	50437327	50438321 Gmdrm	hypo	CHH	-0.0429
Gm15	50450643	50451641 Gmdrm	hypo	CHH	-0.0089
Gm15	50451647	50452646 Gmdrm	hypo	CHH	-0.0179
Gm15	50452682	50453673 Gmdrm	hypo	CHH	-0.0634
Gm15	50462221	50463161 Gmdrm	hypo	CHH	-0.0319
Gm15	50463226	50463641 Gmdrm	hypo	CHH	-0.065
Gm15	50471364	50472350 Gmdrm	hypo	CHH	-0.02
Gm15	50472372	50473372 Gmdrm	hypo	CHH	-0.0788
Gm15	50507097	50508097 Gmdrm	hypo	CHH	-0.3395
Gm15	50508099	50508504 Gmdrm	hypo	CHH	-0.0329
Gm15	50508611	50509601 Gmdrm	hypo	CHH	-0.0147
Gm15	50509612	50510610 Gmdrm	hypo	CHH	-0.0602
Gm15	50512631	50513616 Gmdrm	hypo	CHH	-0.0521
Gm15	50522202	50523196 Gmdrm	hypo	CHH	-0.1515

Gm15	50523204	50524104	Gmdrm	hypo	CHH	-0.2691
Gm15	50538402	50539399	Gmdrm	hypo	CHH	-0.0827
Gm15	50539403	50540401	Gmdrm	hypo	CHH	-0.1816
Gm15	50544950	50545947	Gmdrm	hypo	CHH	-0.0752
Gm15	50545958	50546954	Gmdrm	hypo	CHH	-0.0281
Gm15	50554745	50555743	Gmdrm	hypo	CHH	-0.053
Gm15	50576595	50577592	Gmdrm	hypo	CHH	-0.0157
Gm15	50586403	50587401	Gmdrm	hypo	CHH	-0.0846
Gm15	50587421	50588402	Gmdrm	hypo	CHH	-0.013
Gm15	50590451	50591451	Gmdrm	hypo	CHH	-0.1595
Gm15	50591464	50592454	Gmdrm	hypo	CHH	-0.1314
Gm15	50593477	50594471	Gmdrm	hypo	CHH	-0.0122
Gm15	50595397	50595591	Gmdrm	hypo	CHH	-0.0691
Gm15	50617233	50618227	Gmdrm	hypo	CHH	-0.0782
Gm15	50625858	50626847	Gmdrm	hypo	CHH	-0.0339
Gm15	50629385	50630258	Gmdrm	hypo	CHH	-0.0324
Gm15	50631820	50632803	Gmdrm	hypo	CHH	-0.0437
Gm15	50632823	50633816	Gmdrm	hypo	CHH	-0.0351
Gm15	50634829	50635827	Gmdrm	hypo	CHH	-0.1243
Gm15	50641643	50642632	Gmdrm	hypo	CHH	-0.1719
Gm15	50650421	50650506	Gmdrm	hypo	CHH	-0.57
Gm15	50651675	50652671	Gmdrm	hypo	CHH	-0.0285
Gm15	50652683	50653667	Gmdrm	hypo	CHH	-0.0371
Gm15	50653690	50654675	Gmdrm	hypo	CHH	-0.0629
Gm15	50663394	50664385	Gmdrm	hypo	CHH	-0.0289
Gm15	50671384	50672238	Gmdrm	hypo	CHH	-0.0683
Gm15	50678454	50679443	Gmdrm	hypo	CHH	-0.0824
Gm15	50684333	50685322	Gmdrm	hypo	CHH	-0.1335
Gm15	50698191	50699181	Gmdrm	hypo	CHH	-0.0251
Gm15	50704230	50705213	Gmdrm	hypo	CHH	-0.0834
Gm15	50705234	50706231	Gmdrm	hypo	CHH	-0.1191
Gm15	50706239	50706906	Gmdrm	hypo	CHH	-0.2537
Gm15	50707009	50707559	Gmdrm	hypo	CHH	-0.2158
Gm15	50710432	50711411	Gmdrm	hypo	CHH	-0.0502
Gm15	50721650	50722649	Gmdrm	hypo	CHH	-0.0501
Gm15	50722651	50723651	Gmdrm	hypo	CHH	-0.1319
Gm15	50723664	50724607	Gmdrm	hypo	CHH	-0.047
Gm15	50724688	50725669	Gmdrm	hypo	CHH	-0.0336
Gm15	50733882	50734880	Gmdrm	hypo	CHH	-0.0308
Gm15	50735274	50736273	Gmdrm	hypo	CHH	-0.0805
Gm15	50741292	50742288	Gmdrm	hypo	CHH	-0.0482
Gm15	50766477	50766869	Gmdrm	hypo	CHH	-0.1157
Gm15	50773946	50774893	Gmdrm	hypo	CHH	-0.0291
Gm15	50776430	50777426	Gmdrm	hypo	CHH	-0.016
Gm15	50777696	50777859	Gmdrm	hypo	CHH	-0.06
Gm15	50778000	50778998	Gmdrm	hypo	CHH	-0.0705

Gm15	50781018	50782005	Gmdrm	hypo	CHH	-0.0416
Gm15	50784787	50785778	Gmdrm	hypo	CHH	-0.0584
Gm15	50787893	50788893	Gmdrm	hypo	CHH	-0.0349
Gm15	50788895	50789047	Gmdrm	hypo	CHH	-0.0678
Gm15	50794859	50795859	Gmdrm	hypo	CHH	-0.0187
Gm15	50822341	50823331	Gmdrm	hypo	CHH	-0.0317
Gm15	50828369	50829321	Gmdrm	hypo	CHH	-0.0295
Gm15	50831356	50832345	Gmdrm	hypo	CHH	-0.0216
Gm15	50834857	50835842	Gmdrm	hypo	CHH	-0.0219
Gm15	50836507	50837491	Gmdrm	hypo	CHH	-0.0336
Gm15	50839638	50840627	Gmdrm	hypo	CHH	-0.0384
Gm15	50841648	50842640	Gmdrm	hypo	CHH	-0.0536
Gm15	50842990	50843982	Gmdrm	hypo	CHH	-0.0416
Gm15	50875178	50876159	Gmdrm	hypo	CHH	-0.0328
Gm15	50891586	50892584	Gmdrm	hypo	CHH	-0.1252
Gm15	50899179	50900171	Gmdrm	hypo	CHH	-0.0192
Gm15	50909863	50910860	Gmdrm	hypo	CHH	-0.036
Gm15	50918821	50919799	Gmdrm	hypo	CHH	-0.0156
Gm15	50922611	50923600	Gmdrm	hypo	CHH	-0.0337
Gm15	50931981	50932974	Gmdrm	hypo	CHH	-0.0512
Gm15	50932985	50933972	Gmdrm	hypo	CHH	-0.1494
Gm15	50934010	50935010	Gmdrm	hypo	CHH	-0.0166
Gm15	50936027	50937026	Gmdrm	hypo	CHH	-0.0463
Gm15	50963348	50964348	Gmdrm	hypo	CHH	-0.0165
Gm15	50966395	50967393	Gmdrm	hypo	CHH	-0.2591
Gm15	50970977	50971542	Gmdrm	hypo	CHH	-0.029
Gm15	50974713	50975699	Gmdrm	hypo	CHH	-0.0525
Gm15	50975734	50976727	Gmdrm	hypo	CHH	-0.113
Gm15	50978813	50979791	Gmdrm	hypo	CHH	-0.0228
Gm15	50981208	50982202	Gmdrm	hypo	CHH	-0.1488
Gm15	50987807	50988801	Gmdrm	hypo	CHH	-0.0218
Gm15	51005017	51006003	Gmdrm	hypo	CHH	-0.0177
Gm15	51010856	51011623	Gmdrm	hypo	CHH	-0.0149
Gm15	51013758	51014749	Gmdrm	hypo	CHH	-0.0984
Gm15	51014765	51015623	Gmdrm	hypo	CHH	-0.1311
Gm15	51022403	51023393	Gmdrm	hypo	CHH	-0.0478
Gm15	51033449	51034447	Gmdrm	hypo	CHH	-0.074
Gm15	51037440	51038439	Gmdrm	hypo	CHH	-0.0496
Gm15	51038446	51039433	Gmdrm	hypo	CHH	-0.0473
Gm15	51059449	51060397	Gmdrm	hypo	CHH	-0.0683
Gm15	51064373	51065361	Gmdrm	hypo	CHH	-0.0162
Gm15	51065378	51066378	Gmdrm	hypo	CHH	-0.016
Gm15	51069117	51070098	Gmdrm	hypo	CHH	-0.1415
Gm15	51093239	51093541	Gmdrm	hypo	CHH	-0.1026
Gm15	51109590	51110589	Gmdrm	hypo	CHH	-0.072
Gm15	51113316	51113667	Gmdrm	hypo	CHH	-0.0287

Gm15	51114778	51115775	Gmdrm	hypo	CHH	-0.0211
Gm15	51127453	51128452	Gmdrm	hypo	CHH	-0.0538
Gm15	51128461	51129459	Gmdrm	hypo	CHH	-0.0964
Gm15	51143575	51144206	Gmdrm	hypo	CHH	-0.1088
Gm15	51149195	51150187	Gmdrm	hypo	CHH	-0.1077
Gm15	51158245	51159221	Gmdrm	hypo	CHH	-0.0835
Gm15	51161315	51162310	Gmdrm	hypo	CHH	-0.0498
Gm15	51162322	51163319	Gmdrm	hypo	CHH	-0.1216
Gm15	51164515	51165515	Gmdrm	hypo	CHH	-0.0563
Gm15	51165524	51166217	Gmdrm	hypo	CHH	-0.0456
Gm15	51170851	51171851	Gmdrm	hypo	CHH	-0.0776
Gm15	51175529	51176477	Gmdrm	hypo	CHH	-0.0292
Gm15	51212658	51213647	Gmdrm	hypo	CHH	-0.0122
Gm15	51220435	51221405	Gmdrm	hypo	CHH	-0.0349
Gm15	51222505	51222804	Gmdrm	hypo	CHH	-0.029
Gm15	51229369	51230369	Gmdrm	hypo	CHH	-0.0362
Gm15	51245472	51246463	Gmdrm	hypo	CHH	-0.0157
Gm15	51247482	51248482	Gmdrm	hypo	CHH	-0.0401
Gm15	51248490	51249466	Gmdrm	hypo	CHH	-0.0572
Gm15	51253256	51254256	Gmdrm	hypo	CHH	-0.0475
Gm15	51272009	51272943	Gmdrm	hypo	CHH	-0.1487
Gm15	51282609	51283608	Gmdrm	hypo	CHH	-0.0119
Gm15	51287466	51288049	Gmdrm	hypo	CHH	-0.0482
Gm15	51288150	51289147	Gmdrm	hypo	CHH	-0.0369
Gm15	51292437	51293074	Gmdrm	hypo	CHH	-0.0687
Gm15	51293175	51294167	Gmdrm	hypo	CHH	-0.0615
Gm15	51303063	51304010	Gmdrm	hypo	CHH	-0.0145
Gm15	51310079	51311074	Gmdrm	hypo	CHH	-0.0212
Gm15	51322914	51323640	Gmdrm	hypo	CHH	-0.1133
Gm15	51343458	51343944	Gmdrm	hypo	CHH	-0.0445
Gm15	51352245	51353021	Gmdrm	hypo	CHH	-0.0247
Gm15	51353153	51354128	Gmdrm	hypo	CHH	-0.0172
Gm15	51370636	51371623	Gmdrm	hypo	CHH	-0.0715
Gm15	51371646	51372634	Gmdrm	hypo	CHH	-0.0157
Gm15	51373651	51374647	Gmdrm	hypo	CHH	-0.0447
Gm15	51378284	51378332	Gmdrm	hypo	CHH	-0.086
Gm15	51380714	51381714	Gmdrm	hypo	CHH	-0.0717
Gm15	51381716	51382431	Gmdrm	hypo	CHH	-0.0359
Gm15	51382555	51383542	Gmdrm	hypo	CHH	-0.0383
Gm15	51391386	51391846	Gmdrm	hypo	CHH	-0.0485
Gm15	51401135	51401486	Gmdrm	hypo	CHH	-0.0327
Gm15	51416132	51416439	Gmdrm	hypo	CHH	-0.0274
Gm15	51420084	51421075	Gmdrm	hypo	CHH	-0.0793
Gm15	51421087	51422086	Gmdrm	hypo	CHH	-0.1512
Gm15	51438206	51439199	Gmdrm	hypo	CHH	-0.1663
Gm15	51442703	51443101	Gmdrm	hypo	CHH	-0.0594

Gm15	51448777	51449762	Gmdrm	hypo	CHH	-0.0188
Gm15	51449811	51450810	Gmdrm	hypo	CHH	-0.0361
Gm15	51450814	51451794	Gmdrm	hypo	CHH	-0.1013
Gm15	51451826	51452826	Gmdrm	hypo	CHH	-0.0487
Gm15	51452839	51453838	Gmdrm	hypo	CHH	-0.0248
Gm15	51469030	51470010	Gmdrm	hypo	CHH	-0.0202
Gm15	51476311	51477165	Gmdrm	hypo	CHH	-0.0341
Gm15	51483972	51484955	Gmdrm	hypo	CHH	-0.0518
Gm15	51486110	51487101	Gmdrm	hypo	CHH	-0.0398
Gm15	51487115	51488088	Gmdrm	hypo	CHH	-0.0313
Gm15	51488124	51489121	Gmdrm	hypo	CHH	-0.0339
Gm15	51496952	51497947	Gmdrm	hypo	CHH	-0.0442
Gm15	51504982	51505980	Gmdrm	hypo	CHH	-0.0695
Gm15	51512016	51512973	Gmdrm	hypo	CHH	-0.0787
Gm15	51522391	51523384	Gmdrm	hypo	CHH	-0.1084
Gm15	51523403	51524397	Gmdrm	hypo	CHH	-0.1752
Gm15	51527363	51528351	Gmdrm	hypo	CHH	-0.0127
Gm15	51546117	51546846	Gmdrm	hypo	CHH	-0.0404
Gm15	51555674	51556632	Gmdrm	hypo	CHH	-0.0359
Gm15	51564124	51565117	Gmdrm	hypo	CHH	-0.0164
Gm15	51584238	51585226	Gmdrm	hypo	CHH	-0.0925
Gm15	51621542	51622114	Gmdrm	hypo	CHH	-0.0568
Gm15	51635601	51635990	Gmdrm	hypo	CHH	-0.0627
Gm15	51638181	51638583	Gmdrm	hypo	CHH	-0.1028
Gm15	51651461	51652459	Gmdrm	hypo	CHH	-0.0615
Gm15	51666047	51667038	Gmdrm	hypo	CHH	-0.0452
Gm15	51675443	51676415	Gmdrm	hypo	CHH	-0.0212
Gm15	51676466	51676847	Gmdrm	hypo	CHH	-0.0428
Gm15	51688913	51689912	Gmdrm	hypo	CHH	-0.0287
Gm15	51694197	51695164	Gmdrm	hypo	CHH	-0.0356
Gm15	51704304	51705301	Gmdrm	hypo	CHH	-0.0128
Gm15	51728508	51729494	Gmdrm	hypo	CHH	-0.0226
Gm15	51740957	51741930	Gmdrm	hypo	CHH	-0.0899
Gm15	51741959	51742926	Gmdrm	hypo	CHH	-0.0325
Gm15	51742976	51743962	Gmdrm	hypo	CHH	-0.0279
Gm15	51757323	51757941	Gmdrm	hypo	CHH	-0.018
Gm15	51760392	51761390	Gmdrm	hypo	CHH	-0.1057
Gm15	51780761	51781753	Gmdrm	hypo	CHH	-0.0235
Gm15	51786428	51787428	Gmdrm	hypo	CHH	-0.0264
Gm15	51788438	51789428	Gmdrm	hypo	CHH	-0.0221
Gm15	51789440	51790435	Gmdrm	hypo	CHH	-0.1011
Gm15	51792735	51793410	Gmdrm	hypo	CHH	-0.1246
Gm15	51799564	51800546	Gmdrm	hypo	CHH	-0.0876
Gm15	51806538	51806582	Gmdrm	hypo	CHH	-0.0328
Gm15	51807723	51808709	Gmdrm	hypo	CHH	-0.0251
Gm15	51810785	51811766	Gmdrm	hypo	CHH	-0.0187

Gm15	51812812	51813431	Gmdrm	hypo	CHH	-0.0179
Gm15	51819301	51820289	Gmdrm	hypo	CHH	-0.023
Gm15	51849977	51850956	Gmdrm	hypo	CHH	-0.0347
Gm15	51872541	51872961	Gmdrm	hypo	CHH	-0.0791
Gm15	51878951	51879923	Gmdrm	hypo	CHH	-0.1047
Gm15	51903827	51904823	Gmdrm	hypo	CHH	-0.1096
Gm15	51904830	51905827	Gmdrm	hypo	CHH	-0.1108
Gm15	51905831	51906830	Gmdrm	hypo	CHH	-0.0502
Gm15	51910450	51911380	Gmdrm	hypo	CHH	-0.0189
Gm15	51911472	51912457	Gmdrm	hypo	CHH	-0.0152
Gm15	51912478	51913454	Gmdrm	hypo	CHH	-0.0755
Gm15	51913484	51914478	Gmdrm	hypo	CHH	-0.0433
Gm15	51936155	51937121	Gmdrm	hypo	CHH	-0.0294
Gm15	51937156	51938102	Gmdrm	hypo	CHH	-0.0389
Gm15	51939192	51939959	Gmdrm	hypo	CHH	-0.0298
Gm15	51940224	51941207	Gmdrm	hypo	CHH	-0.0551
Gm15	51954701	51954784	Gmdrm	hypo	CHH	-0.052
Gm15	51955968	51956832	Gmdrm	hypo	CHH	-0.0238
Gm15	51958082	51958641	Gmdrm	hypo	CHH	-0.0571
Gm15	51976038	51976209	Gmdrm	hypo	CHH	-0.0923
Gm15	51986740	51987740	Gmdrm	hypo	CHH	-0.0651
Gm15	51987753	51988753	Gmdrm	hypo	CHH	-0.1145
Gm15	51988759	51989758	Gmdrm	hypo	CHH	-0.046
Gm15	51989760	51990758	Gmdrm	hypo	CHH	-0.0465
Gm15	51990767	51991752	Gmdrm	hypo	CHH	-0.0397
Gm15	51994812	51995766	Gmdrm	hypo	CHH	-0.0631
Gm15	52011030	52012029	Gmdrm	hypo	CHH	-0.1123
Gm15	52018060	52019047	Gmdrm	hypo	CHH	-0.181
Gm15	52019070	52020069	Gmdrm	hypo	CHH	-0.0949
Gm15	52028625	52029622	Gmdrm	hypo	CHH	-0.0307
Gm15	52036036	52036612	Gmdrm	hypo	CHH	-0.0262
Gm15	52042201	52043193	Gmdrm	hypo	CHH	-0.08
Gm15	52060492	52061488	Gmdrm	hypo	CHH	-0.0274
Gm15	52066312	52067312	Gmdrm	hypo	CHH	-0.0161
Gm15	52067314	52068310	Gmdrm	hypo	CHH	-0.0643
Gm15	52083749	52084589	Gmdrm	hypo	CHH	-0.0531
Gm15	52087961	52088957	Gmdrm	hypo	CHH	-0.0621
Gm15	52088965	52089952	Gmdrm	hypo	CHH	-0.0738
Gm15	52090996	52091928	Gmdrm	hypo	CHH	-0.0476
Gm15	52092064	52093059	Gmdrm	hypo	CHH	-0.0315
Gm15	52093066	52094060	Gmdrm	hypo	CHH	-0.0556
Gm15	52097046	52098043	Gmdrm	hypo	CHH	-0.0158
Gm15	52098124	52098962	Gmdrm	hypo	CHH	-0.1812
Gm15	52107504	52108358	Gmdrm	hypo	CHH	-0.0241
Gm15	52130290	52131289	Gmdrm	hypo	CHH	-0.0387
Gm15	52136433	52137420	Gmdrm	hypo	CHH	-0.0167

Gm15	52137436	52138432	Gmdrm	hypo	CHH	-0.0521
Gm15	52148614	52149612	Gmdrm	hypo	CHH	-0.0306
Gm15	52160499	52161497	Gmdrm	hypo	CHH	-0.0143
Gm15	52161534	52161836	Gmdrm	hypo	CHH	-0.0381
Gm15	52169748	52170536	Gmdrm	hypo	CHH	-0.022
Gm15	52200867	52201866	Gmdrm	hypo	CHH	-0.0713
Gm15	52208940	52209937	Gmdrm	hypo	CHH	-0.0192
Gm15	52224116	52225116	Gmdrm	hypo	CHH	-0.0545
Gm15	52225119	52226095	Gmdrm	hypo	CHH	-0.0974
Gm15	52226123	52227118	Gmdrm	hypo	CHH	-0.0544
Gm15	52227132	52227464	Gmdrm	hypo	CHH	-0.0564
Gm15	52228596	52229535	Gmdrm	hypo	CHH	-0.1878
Gm15	52231454	52232439	Gmdrm	hypo	CHH	-0.0244
Gm15	52239006	52239998	Gmdrm	hypo	CHH	-0.0166
Gm15	52240053	52241047	Gmdrm	hypo	CHH	-0.0566
Gm15	52244562	52245532	Gmdrm	hypo	CHH	-0.0148
Gm15	52247623	52248623	Gmdrm	hypo	CHH	-0.0317
Gm15	52248643	52249563	Gmdrm	hypo	CHH	-0.0837
Gm15	52256186	52257184	Gmdrm	hypo	CHH	-0.0545
Gm15	52261812	52262798	Gmdrm	hypo	CHH	-0.0147
Gm15	52262871	52263825	Gmdrm	hypo	CHH	-0.0155
Gm15	52268496	52269494	Gmdrm	hypo	CHH	-0.024
Gm15	52298403	52299399	Gmdrm	hypo	CHH	-0.0231
Gm15	52314136	52315134	Gmdrm	hypo	CHH	-0.0594
Gm15	52315155	52315776	Gmdrm	hypo	CHH	-0.2239
Gm15	52321360	52322351	Gmdrm	hypo	CHH	-0.1533
Gm15	52326884	52327881	Gmdrm	hypo	CHH	-0.0416
Gm15	52328565	52329565	Gmdrm	hypo	CHH	-0.0687
Gm15	52340374	52341359	Gmdrm	hypo	CHH	-0.0223
Gm15	52341376	52342362	Gmdrm	hypo	CHH	-0.1798
Gm15	52351115	52352112	Gmdrm	hypo	CHH	-0.0643
Gm15	52352127	52353124	Gmdrm	hypo	CHH	-0.04
Gm15	52355531	52356530	Gmdrm	hypo	CHH	-0.0282
Gm15	52363666	52364663	Gmdrm	hypo	CHH	-0.0412
Gm15	52364669	52365668	Gmdrm	hypo	CHH	-0.1098
Gm15	52368693	52369667	Gmdrm	hypo	CHH	-0.0333
Gm15	52379005	52380003	Gmdrm	hypo	CHH	-0.0216
Gm15	52381052	52382041	Gmdrm	hypo	CHH	-0.0441
Gm15	52382054	52383042	Gmdrm	hypo	CHH	-0.0718
Gm15	52384871	52385155	Gmdrm	hypo	CHH	-0.0416
Gm15	52387712	52388700	Gmdrm	hypo	CHH	-0.0174
Gm15	52389063	52390039	Gmdrm	hypo	CHH	-0.0275
Gm15	52391317	52392312	Gmdrm	hypo	CHH	-0.0167
Gm15	52400898	52401871	Gmdrm	hypo	CHH	-0.0701
Gm15	52409961	52410931	Gmdrm	hypo	CHH	-0.127
Gm15	52414701	52415653	Gmdrm	hypo	CHH	-0.0154

Gm15	52421144	52422141	Gmdrm	hypo	CHH	-0.0386
Gm15	52424247	52425240	Gmdrm	hypo	CHH	-0.0087
Gm15	52428613	52429595	Gmdrm	hypo	CHH	-0.2958
Gm15	52431654	52432652	Gmdrm	hypo	CHH	-0.1727
Gm15	52432678	52433654	Gmdrm	hypo	CHH	-0.0216
Gm15	52433692	52434666	Gmdrm	hypo	CHH	-0.1225
Gm15	52434694	52435677	Gmdrm	hypo	CHH	-0.0693
Gm15	52441402	52442402	Gmdrm	hypo	CHH	-0.0155
Gm15	52473212	52474208	Gmdrm	hypo	CHH	-0.1105
Gm15	52504549	52505352	Gmdrm	hypo	CHH	-0.0196
Gm15	52505499	52506492	Gmdrm	hypo	CHH	-0.0576
Gm15	52506508	52507502	Gmdrm	hypo	CHH	-0.0263
Gm15	52512528	52513524	Gmdrm	hypo	CHH	-0.0269
Gm15	52517815	52518815	Gmdrm	hypo	CHH	-0.0827
Gm15	52518823	52519396	Gmdrm	hypo	CHH	-0.0803
Gm15	52526158	52527141	Gmdrm	hypo	CHH	-0.0282
Gm15	52541439	52542416	Gmdrm	hypo	CHH	-0.076
Gm15	52542442	52543432	Gmdrm	hypo	CHH	-0.0467
Gm15	52543445	52544439	Gmdrm	hypo	CHH	-0.0195
Gm15	52544449	52544825	Gmdrm	hypo	CHH	-0.1022
Gm15	52545874	52546859	Gmdrm	hypo	CHH	-0.0708
Gm15	52547917	52548913	Gmdrm	hypo	CHH	-0.0121
Gm15	52549946	52550429	Gmdrm	hypo	CHH	-0.0409
Gm15	52550612	52550676	Gmdrm	hypo	CHH	-0.115
Gm15	52551457	52552448	Gmdrm	hypo	CHH	-0.0381
Gm15	52552467	52552742	Gmdrm	hypo	CHH	-0.0467
Gm15	52556089	52557064	Gmdrm	hypo	CHH	-0.2678
Gm15	52557092	52558079	Gmdrm	hypo	CHH	-0.0449
Gm15	52559114	52560062	Gmdrm	hypo	CHH	-0.0149
Gm15	52563579	52564572	Gmdrm	hypo	CHH	-0.0561
Gm15	52564581	52565580	Gmdrm	hypo	CHH	-0.0396
Gm15	52589099	52590087	Gmdrm	hypo	CHH	-0.0192
Gm15	52595158	52596121	Gmdrm	hypo	CHH	-0.0332
Gm15	52620852	52621620	Gmdrm	hypo	CHH	-0.1141
Gm15	52626679	52627629	Gmdrm	hypo	CHH	-0.0159
Gm15	52630177	52631172	Gmdrm	hypo	CHH	-0.0184
Gm15	52646326	52647309	Gmdrm	hypo	CHH	-0.0313
Gm15	52647335	52648328	Gmdrm	hypo	CHH	-0.1628
Gm15	52649371	52650072	Gmdrm	hypo	CHH	-0.1422
Gm15	52655103	52656092	Gmdrm	hypo	CHH	-0.153
Gm15	52663443	52664439	Gmdrm	hypo	CHH	-0.1573
Gm15	52664447	52665429	Gmdrm	hypo	CHH	-0.0716
Gm15	52677494	52678494	Gmdrm	hypo	CHH	-0.0574
Gm15	52678513	52679506	Gmdrm	hypo	CHH	-0.056
Gm15	52680555	52681551	Gmdrm	hypo	CHH	-0.0497
Gm15	52681559	52682559	Gmdrm	hypo	CHH	-0.0532

Gm15	52682562	52683558	Gmdrm	hypo	CHH	-0.0409
Gm15	52689259	52689897	Gmdrm	hypo	CHH	-0.0836
Gm15	52693353	52694349	Gmdrm	hypo	CHH	-0.0422
Gm15	52694355	52695320	Gmdrm	hypo	CHH	-0.0434
Gm15	52695429	52696136	Gmdrm	hypo	CHH	-0.0254
Gm15	52704348	52705049	Gmdrm	hypo	CHH	-0.0444
Gm15	52706573	52706817	Gmdrm	hypo	CHH	-0.0714
Gm15	52710814	52711782	Gmdrm	hypo	CHH	-0.0576
Gm15	52711846	52712845	Gmdrm	hypo	CHH	-0.0179
Gm15	52712853	52713851	Gmdrm	hypo	CHH	-0.1019
Gm15	52713854	52714853	Gmdrm	hypo	CHH	-0.056
Gm15	52714888	52715882	Gmdrm	hypo	CHH	-0.0174
Gm15	52732618	52733598	Gmdrm	hypo	CHH	-0.0918
Gm15	52740614	52741598	Gmdrm	hypo	CHH	-0.0878
Gm15	52743646	52744646	Gmdrm	hypo	CHH	-0.0603
Gm15	52750153	52751132	Gmdrm	hypo	CHH	-0.0148
Gm15	52752174	52753160	Gmdrm	hypo	CHH	-0.0194
Gm15	52754188	52755170	Gmdrm	hypo	CHH	-0.0289
Gm15	52757229	52758229	Gmdrm	hypo	CHH	-0.0877
Gm15	52759238	52760236	Gmdrm	hypo	CHH	-0.0631
Gm15	52773953	52774872	Gmdrm	hypo	CHH	-0.0276
Gm15	52775049	52776008	Gmdrm	hypo	CHH	-0.0342
Gm15	52787198	52788193	Gmdrm	hypo	CHH	-0.0452
Gm15	52790234	52791231	Gmdrm	hypo	CHH	-0.017
Gm15	52799164	52799757	Gmdrm	hypo	CHH	-0.0166
Gm15	52802971	52803963	Gmdrm	hypo	CHH	-0.0318
Gm15	52817061	52818047	Gmdrm	hypo	CHH	-0.035
Gm15	52818077	52819066	Gmdrm	hypo	CHH	-0.0448
Gm15	52819079	52820076	Gmdrm	hypo	CHH	-0.0842
Gm15	52820085	52821083	Gmdrm	hypo	CHH	-0.0443
Gm15	52831113	52832070	Gmdrm	hypo	CHH	-0.0608
Gm15	52834398	52835394	Gmdrm	hypo	CHH	-0.037
Gm15	52835416	52836400	Gmdrm	hypo	CHH	-0.046
Gm15	52837432	52838397	Gmdrm	hypo	CHH	-0.0686
Gm15	52840168	52841160	Gmdrm	hypo	CHH	-0.0195
Gm15	52859973	52860965	Gmdrm	hypo	CHH	-0.0911
Gm15	52868934	52869929	Gmdrm	hypo	CHH	-0.0114
Gm15	52871984	52872132	Gmdrm	hypo	CHH	-0.112
Gm15	52876809	52877808	Gmdrm	hypo	CHH	-0.0114
Gm15	52880565	52881555	Gmdrm	hypo	CHH	-0.0705
Gm15	52899742	52900741	Gmdrm	hypo	CHH	-0.0187
Gm15	52909748	52910746	Gmdrm	hypo	CHH	-0.0194
Gm15	52911802	52912790	Gmdrm	hypo	CHH	-0.0166
Gm15	52912830	52913762	Gmdrm	hypo	CHH	-0.0132
Gm15	52913831	52914829	Gmdrm	hypo	CHH	-0.0113
Gm15	52914839	52915836	Gmdrm	hypo	CHH	-0.0146

Gm15	52923315	52924314	Gmdrm	hypo	CHH	-0.0666
Gm15	52925762	52926640	Gmdrm	hypo	CHH	-0.1672
Gm15	52926745	52927745	Gmdrm	hypo	CHH	-0.0506
Gm15	52927755	52928734	Gmdrm	hypo	CHH	-0.0368
Gm15	52933825	52934286	Gmdrm	hypo	CHH	-0.0708
Gm15	52934540	52934973	Gmdrm	hypo	CHH	-0.0357
Gm15	52941400	52942398	Gmdrm	hypo	CHH	-0.083
Gm15	52942401	52943393	Gmdrm	hypo	CHH	-0.0826
Gm15	52952475	52953241	Gmdrm	hypo	CHH	-0.2802
Gm15	52954372	52954984	Gmdrm	hypo	CHH	-0.0265
Gm15	52958097	52959087	Gmdrm	hypo	CHH	-0.0263
Gm15	52959105	52960104	Gmdrm	hypo	CHH	-0.1651
Gm15	52967159	52968159	Gmdrm	hypo	CHH	-0.0119
Gm15	52985030	52986024	Gmdrm	hypo	CHH	-0.019
Gm15	52986039	52987031	Gmdrm	hypo	CHH	-0.0541
Gm15	52987092	52988079	Gmdrm	hypo	CHH	-0.0768
Gm15	52989114	52990110	Gmdrm	hypo	CHH	-0.0334
Gm15	52991274	52992273	Gmdrm	hypo	CHH	-0.0849
Gm15	52992279	52992937	Gmdrm	hypo	CHH	-0.0396
Gm15	52997117	52998115	Gmdrm	hypo	CHH	-0.0455
Gm15	53006347	53007339	Gmdrm	hypo	CHH	-0.0122
Gm15	53009386	53010369	Gmdrm	hypo	CHH	-0.0197
Gm15	53016052	53017052	Gmdrm	hypo	CHH	-0.0414
Gm15	53017062	53018060	Gmdrm	hypo	CHH	-0.0199
Gm15	53018064	53019063	Gmdrm	hypo	CHH	-0.0145
Gm15	53027718	53028716	Gmdrm	hypo	CHH	-0.0501
Gm15	53033763	53034763	Gmdrm	hypo	CHH	-0.0535
Gm15	53039204	53039250	Gmdrm	hypo	CHH	-0.04
Gm15	53040370	53041355	Gmdrm	hypo	CHH	-0.024
Gm15	53058254	53059252	Gmdrm	hypo	CHH	-0.1633
Gm15	53073065	53073432	Gmdrm	hypo	CHH	-0.0252
Gm15	53073538	53074538	Gmdrm	hypo	CHH	-0.0349
Gm15	53094402	53095402	Gmdrm	hypo	CHH	-0.0298
Gm15	53124184	53124583	Gmdrm	hypo	CHH	-0.0489
Gm15	53124706	53125690	Gmdrm	hypo	CHH	-0.0713
Gm15	53132727	53133709	Gmdrm	hypo	CHH	-0.0227
Gm15	53133728	53134727	Gmdrm	hypo	CHH	-0.0396
Gm15	53143467	53144462	Gmdrm	hypo	CHH	-0.0523
Gm15	53144471	53145447	Gmdrm	hypo	CHH	-0.0173
Gm15	53158676	53159400	Gmdrm	hypo	CHH	-0.0261
Gm15	53159909	53160894	Gmdrm	hypo	CHH	-0.0202
Gm15	53160916	53161903	Gmdrm	hypo	CHH	-0.0604
Gm15	53161919	53162916	Gmdrm	hypo	CHH	-0.0331
Gm15	53164947	53165947	Gmdrm	hypo	CHH	-0.0323
Gm15	53165948	53166926	Gmdrm	hypo	CHH	-0.0258
Gm15	53184684	53185667	Gmdrm	hypo	CHH	-0.0114

Gm15	53187703	53188701	Gmdrm	hypo	CHH	-0.0267
Gm15	53188704	53189702	Gmdrm	hypo	CHH	-0.039
Gm15	53197830	53198815	Gmdrm	hypo	CHH	-0.0226
Gm15	53200463	53201447	Gmdrm	hypo	CHH	-0.0569
Gm15	53201494	53202487	Gmdrm	hypo	CHH	-0.028
Gm15	53202496	53203033	Gmdrm	hypo	CHH	-0.0322
Gm15	53204156	53205156	Gmdrm	hypo	CHH	-0.0549
Gm15	53206164	53207163	Gmdrm	hypo	CHH	-0.0254
Gm15	53212182	53213181	Gmdrm	hypo	CHH	-0.2449
Gm15	53213195	53214171	Gmdrm	hypo	CHH	-0.0671
Gm15	53246142	53247026	Gmdrm	hypo	CHH	-0.0131
Gm15	53302680	53303663	Gmdrm	hypo	CHH	-0.0179
Gm15	53304737	53305736	Gmdrm	hypo	CHH	-0.043
Gm15	53308796	53309796	Gmdrm	hypo	CHH	-0.0269
Gm15	53319281	53320268	Gmdrm	hypo	CHH	-0.0648
Gm15	53320286	53321258	Gmdrm	hypo	CHH	-0.0374
Gm15	53339954	53340950	Gmdrm	hypo	CHH	-0.0524
Gm15	53340955	53341926	Gmdrm	hypo	CHH	-0.035
Gm15	53351496	53352472	Gmdrm	hypo	CHH	-0.0266
Gm15	53353306	53353701	Gmdrm	hypo	CHH	-0.0733
Gm15	53388271	53389256	Gmdrm	hypo	CHH	-0.0112
Gm15	53389285	53390237	Gmdrm	hypo	CHH	-0.0556
Gm15	53390296	53391296	Gmdrm	hypo	CHH	-0.0181
Gm15	53391307	53392306	Gmdrm	hypo	CHH	-0.039
Gm15	53392308	53393289	Gmdrm	hypo	CHH	-0.0359
Gm15	53398603	53399603	Gmdrm	hypo	CHH	-0.1415
Gm15	53400617	53401612	Gmdrm	hypo	CHH	-0.017
Gm15	53401621	53402621	Gmdrm	hypo	CHH	-0.0757
Gm15	53419918	53420917	Gmdrm	hypo	CHH	-0.077
Gm15	53420924	53421920	Gmdrm	hypo	CHH	-0.126
Gm15	53421925	53422919	Gmdrm	hypo	CHH	-0.0902
Gm15	53422965	53423055	Gmdrm	hypo	CHH	-0.1075
Gm15	53430620	53431563	Gmdrm	hypo	CHH	-0.0511
Gm15	53432223	53432941	Gmdrm	hypo	CHH	-0.036
Gm15	53436413	53437407	Gmdrm	hypo	CHH	-0.024
Gm15	53438427	53439420	Gmdrm	hypo	CHH	-0.0207
Gm15	53446047	53447045	Gmdrm	hypo	CHH	-0.0822
Gm15	53449242	53449428	Gmdrm	hypo	CHH	-0.072
Gm15	53461538	53462514	Gmdrm	hypo	CHH	-0.0608
Gm15	53463306	53463864	Gmdrm	hypo	CHH	-0.0252
Gm15	53481331	53482308	Gmdrm	hypo	CHH	-0.0198
Gm15	53483200	53484195	Gmdrm	hypo	CHH	-0.0981
Gm15	53484206	53485194	Gmdrm	hypo	CHH	-0.1048
Gm15	53485249	53486241	Gmdrm	hypo	CHH	-0.0215
Gm15	53496025	53497025	Gmdrm	hypo	CHH	-0.012
Gm15	53497032	53498028	Gmdrm	hypo	CHH	-0.0327

Gm15	53500251	53501241	Gmdrm	hypo	CHH	-0.053
Gm15	53501262	53502213	Gmdrm	hypo	CHH	-0.0444
Gm15	53507896	53508077	Gmdrm	hypo	CHH	-0.3254
Gm15	53508220	53509220	Gmdrm	hypo	CHH	-0.0606
Gm15	53516313	53517312	Gmdrm	hypo	CHH	-0.019
Gm15	53517321	53518318	Gmdrm	hypo	CHH	-0.2304
Gm15	53518326	53519320	Gmdrm	hypo	CHH	-0.0448
Gm15	53523358	53524329	Gmdrm	hypo	CHH	-0.02
Gm15	53524643	53525167	Gmdrm	hypo	CHH	-0.076
Gm15	53538093	53539092	Gmdrm	hypo	CHH	-0.0134
Gm15	53548448	53549447	Gmdrm	hypo	CHH	-0.0141
Gm15	53550481	53551433	Gmdrm	hypo	CHH	-0.0119
Gm15	53563119	53564074	Gmdrm	hypo	CHH	-0.0259
Gm15	53568730	53569390	Gmdrm	hypo	CHH	-0.0144
Gm15	53605598	53606569	Gmdrm	hypo	CHH	-0.0726
Gm15	53610448	53611430	Gmdrm	hypo	CHH	-0.0294
Gm15	53611457	53612449	Gmdrm	hypo	CHH	-0.1159
Gm15	53612468	53613465	Gmdrm	hypo	CHH	-0.1216
Gm15	53704451	53705435	Gmdrm	hypo	CHH	-0.0903
Gm15	53710559	53711547	Gmdrm	hypo	CHH	-0.0357
Gm15	53720131	53720910	Gmdrm	hypo	CHH	-0.0272
Gm15	53727390	53728386	Gmdrm	hypo	CHH	-0.0488
Gm15	53728394	53729059	Gmdrm	hypo	CHH	-0.064
Gm15_scaffo	23117	24116	Gmdrm	hypo	CHH	-0.0159
Gm15_scaffo	38954	39945	Gmdrm	hypo	CHH	-0.0291
Gm15_scaffo	39957	40942	Gmdrm	hypo	CHH	-0.0355
Gm15_scaffo	60743	61738	Gmdrm	hypo	CHH	-0.0329
Gm15_scaffo	61756	62736	Gmdrm	hypo	CHH	-0.0131
Gm15_scaffo	64794	65783	Gmdrm	hypo	CHH	-0.012
Gm15_scaffo	10412	11190	Gmdrm	hypo	CHH	-0.1135
Gm16	7496	7923	Gmdrm	hypo	CHH	-0.0665
Gm16	8091	9088	Gmdrm	hypo	CHH	-0.0578
Gm16	9108	10075	Gmdrm	hypo	CHH	-0.0361
Gm16	10113	11105	Gmdrm	hypo	CHH	-0.0553
Gm16	13123	13409	Gmdrm	hypo	CHH	-0.1181
Gm16	17164	18149	Gmdrm	hypo	CHH	-0.0313
Gm16	31198	32198	Gmdrm	hypo	CHH	-0.022
Gm16	39849	40847	Gmdrm	hypo	CHH	-0.0838
Gm16	42750	43743	Gmdrm	hypo	CHH	-0.0407
Gm16	86443	87431	Gmdrm	hypo	CHH	-0.0405
Gm16	87460	88448	Gmdrm	hypo	CHH	-0.0565
Gm16	93756	94739	Gmdrm	hypo	CHH	-0.0174
Gm16	110073	111073	Gmdrm	hypo	CHH	-0.1305
Gm16	113412	114371	Gmdrm	hypo	CHH	-0.043
Gm16	143342	144319	Gmdrm	hypo	CHH	-0.0703
Gm16	144360	145352	Gmdrm	hypo	CHH	-0.0729

Gm16	146283	147273 Gmdrm	hypo	CHH	-0.0482
Gm16	147305	148220 Gmdrm	hypo	CHH	-0.249
Gm16	152022	153018 Gmdrm	hypo	CHH	-0.0253
Gm16	155514	156510 Gmdrm	hypo	CHH	-0.0362
Gm16	160692	161675 Gmdrm	hypo	CHH	-0.0212
Gm16	162704	163694 Gmdrm	hypo	CHH	-0.1255
Gm16	163707	164701 Gmdrm	hypo	CHH	-0.1043
Gm16	169052	170033 Gmdrm	hypo	CHH	-0.0248
Gm16	175360	176313 Gmdrm	hypo	CHH	-0.0177
Gm16	179214	180201 Gmdrm	hypo	CHH	-0.0731
Gm16	193505	194497 Gmdrm	hypo	CHH	-0.0455
Gm16	194506	195468 Gmdrm	hypo	CHH	-0.0644
Gm16	196562	197287 Gmdrm	hypo	CHH	-0.0193
Gm16	229725	230719 Gmdrm	hypo	CHH	-0.0604
Gm16	237354	237925 Gmdrm	hypo	CHH	-0.032
Gm16	245187	246185 Gmdrm	hypo	CHH	-0.0919
Gm16	246188	247184 Gmdrm	hypo	CHH	-0.0836
Gm16	255248	256227 Gmdrm	hypo	CHH	-0.0154
Gm16	261028	262011 Gmdrm	hypo	CHH	-0.0273
Gm16	262104	263100 Gmdrm	hypo	CHH	-0.0332
Gm16	265035	265580 Gmdrm	hypo	CHH	-0.0286
Gm16	265697	265936 Gmdrm	hypo	CHH	-0.0417
Gm16	266614	267610 Gmdrm	hypo	CHH	-0.0153
Gm16	267617	268576 Gmdrm	hypo	CHH	-0.0295
Gm16	290401	291399 Gmdrm	hypo	CHH	-0.025
Gm16	291432	292390 Gmdrm	hypo	CHH	-0.0469
Gm16	293493	294491 Gmdrm	hypo	CHH	-0.0566
Gm16	310520	311494 Gmdrm	hypo	CHH	-0.0322
Gm16	311940	312922 Gmdrm	hypo	CHH	-0.0368
Gm16	319900	320899 Gmdrm	hypo	CHH	-0.0178
Gm16	325199	326031 Gmdrm	hypo	CHH	-0.0289
Gm16	328402	329400 Gmdrm	hypo	CHH	-0.1049
Gm16	329403	330395 Gmdrm	hypo	CHH	-0.0626
Gm16	349651	350637 Gmdrm	hypo	CHH	-0.0786
Gm16	350658	351654 Gmdrm	hypo	CHH	-0.1005
Gm16	352692	353691 Gmdrm	hypo	CHH	-0.0247
Gm16	355413	356397 Gmdrm	hypo	CHH	-0.0254
Gm16	370688	371687 Gmdrm	hypo	CHH	-0.0285
Gm16	377827	378808 Gmdrm	hypo	CHH	-0.0185
Gm16	383135	384111 Gmdrm	hypo	CHH	-0.0286
Gm16	398306	399286 Gmdrm	hypo	CHH	-0.0204
Gm16	406525	407524 Gmdrm	hypo	CHH	-0.0812
Gm16	437209	438205 Gmdrm	hypo	CHH	-0.1698
Gm16	438210	439203 Gmdrm	hypo	CHH	-0.0861
Gm16	439234	440232 Gmdrm	hypo	CHH	-0.0335
Gm16	440238	440779 Gmdrm	hypo	CHH	-0.2482

Gm16	456397	457384	Gmdrm	hypo	CHH	-0.0183
Gm16	458487	458578	Gmdrm	hypo	CHH	-0.048
Gm16	466720	467117	Gmdrm	hypo	CHH	-0.024
Gm16	468253	469247	Gmdrm	hypo	CHH	-0.0953
Gm16	473200	473744	Gmdrm	hypo	CHH	-0.0194
Gm16	478073	478970	Gmdrm	hypo	CHH	-0.0145
Gm16	481807	482799	Gmdrm	hypo	CHH	-0.1505
Gm16	486066	487062	Gmdrm	hypo	CHH	-0.013
Gm16	498182	499116	Gmdrm	hypo	CHH	-0.0794
Gm16	514935	515563	Gmdrm	hypo	CHH	-0.0165
Gm16	531605	532596	Gmdrm	hypo	CHH	-0.0127
Gm16	532614	533361	Gmdrm	hypo	CHH	-0.0235
Gm16	555226	555795	Gmdrm	hypo	CHH	-0.0353
Gm16	560679	561678	Gmdrm	hypo	CHH	-0.0269
Gm16	561698	562673	Gmdrm	hypo	CHH	-0.0427
Gm16	563793	564791	Gmdrm	hypo	CHH	-0.0191
Gm16	564796	565787	Gmdrm	hypo	CHH	-0.1022
Gm16	565800	566790	Gmdrm	hypo	CHH	-0.0367
Gm16	566802	567718	Gmdrm	hypo	CHH	-0.0627
Gm16	575987	576768	Gmdrm	hypo	CHH	-0.0272
Gm16	577924	577981	Gmdrm	hypo	CHH	-0.066
Gm16	590285	591284	Gmdrm	hypo	CHH	-0.0342
Gm16	610085	611080	Gmdrm	hypo	CHH	-0.0133
Gm16	611097	612095	Gmdrm	hypo	CHH	-0.0135
Gm16	615769	616722	Gmdrm	hypo	CHH	-0.0221
Gm16	617857	618846	Gmdrm	hypo	CHH	-0.196
Gm16	622184	623171	Gmdrm	hypo	CHH	-0.0179
Gm16	623199	624196	Gmdrm	hypo	CHH	-0.079
Gm16	624201	624933	Gmdrm	hypo	CHH	-0.084
Gm16	639274	640244	Gmdrm	hypo	CHH	-0.2656
Gm16	646736	647734	Gmdrm	hypo	CHH	-0.0879
Gm16	647737	648685	Gmdrm	hypo	CHH	-0.1044
Gm16	657931	658901	Gmdrm	hypo	CHH	-0.0184
Gm16	661076	662073	Gmdrm	hypo	CHH	-0.0148
Gm16	665138	666138	Gmdrm	hypo	CHH	-0.1531
Gm16	666152	666979	Gmdrm	hypo	CHH	-0.0344
Gm16	672041	673032	Gmdrm	hypo	CHH	-0.078
Gm16	673051	673907	Gmdrm	hypo	CHH	-0.1683
Gm16	682965	683949	Gmdrm	hypo	CHH	-0.0914
Gm16	689894	690874	Gmdrm	hypo	CHH	-0.061
Gm16	690896	691886	Gmdrm	hypo	CHH	-0.0294
Gm16	695993	696962	Gmdrm	hypo	CHH	-0.0376
Gm16	701059	701683	Gmdrm	hypo	CHH	-0.029
Gm16	701800	702298	Gmdrm	hypo	CHH	-0.1907
Gm16	706572	707571	Gmdrm	hypo	CHH	-0.023
Gm16	708586	709552	Gmdrm	hypo	CHH	-0.0109

Gm16	719508	720491 Gmdrm	hypo	CHH	-0.0975
Gm16	726038	727027 Gmdrm	hypo	CHH	-0.0398
Gm16	729068	730045 Gmdrm	hypo	CHH	-0.0719
Gm16	730070	731055 Gmdrm	hypo	CHH	-0.0235
Gm16	745407	746402 Gmdrm	hypo	CHH	-0.0182
Gm16	747417	748412 Gmdrm	hypo	CHH	-0.0267
Gm16	748419	749410 Gmdrm	hypo	CHH	-0.0456
Gm16	749423	750403 Gmdrm	hypo	CHH	-0.0144
Gm16	760541	761532 Gmdrm	hypo	CHH	-0.2082
Gm16	761543	762037 Gmdrm	hypo	CHH	-0.2398
Gm16	767982	768962 Gmdrm	hypo	CHH	-0.0353
Gm16	768993	769955 Gmdrm	hypo	CHH	-0.0228
Gm16	783641	784628 Gmdrm	hypo	CHH	-0.0673
Gm16	790945	791933 Gmdrm	hypo	CHH	-0.015
Gm16	794008	794847 Gmdrm	hypo	CHH	-0.0141
Gm16	809525	810521 Gmdrm	hypo	CHH	-0.0134
Gm16	810550	811547 Gmdrm	hypo	CHH	-0.0595
Gm16	813560	814550 Gmdrm	hypo	CHH	-0.0473
Gm16	814575	815567 Gmdrm	hypo	CHH	-0.1393
Gm16	819948	820940 Gmdrm	hypo	CHH	-0.0322
Gm16	822180	823180 Gmdrm	hypo	CHH	-0.1563
Gm16	830278	831271 Gmdrm	hypo	CHH	-0.0308
Gm16	841047	842028 Gmdrm	hypo	CHH	-0.0303
Gm16	854257	854347 Gmdrm	hypo	CHH	-0.052
Gm16	858215	859203 Gmdrm	hypo	CHH	-0.067
Gm16	859225	860201 Gmdrm	hypo	CHH	-0.1135
Gm16	871155	871870 Gmdrm	hypo	CHH	-0.2175
Gm16	874781	875765 Gmdrm	hypo	CHH	-0.2075
Gm16	875786	876690 Gmdrm	hypo	CHH	-0.0294
Gm16	885687	885916 Gmdrm	hypo	CHH	-0.0236
Gm16	890043	891023 Gmdrm	hypo	CHH	-0.1054
Gm16	905736	906379 Gmdrm	hypo	CHH	-0.0175
Gm16	909836	909983 Gmdrm	hypo	CHH	-0.0613
Gm16	914999	915981 Gmdrm	hypo	CHH	-0.0148
Gm16	916025	916799 Gmdrm	hypo	CHH	-0.0526
Gm16	918560	919385 Gmdrm	hypo	CHH	-0.0233
Gm16	922649	923646 Gmdrm	hypo	CHH	-0.0169
Gm16	924394	924850 Gmdrm	hypo	CHH	-0.1358
Gm16	929700	930690 Gmdrm	hypo	CHH	-0.1436
Gm16	930704	931699 Gmdrm	hypo	CHH	-0.0411
Gm16	934301	935277 Gmdrm	hypo	CHH	-0.0248
Gm16	936656	937648 Gmdrm	hypo	CHH	-0.0419
Gm16	950891	951861 Gmdrm	hypo	CHH	-0.0483
Gm16	952305	952889 Gmdrm	hypo	CHH	-0.0274
Gm16	954414	955400 Gmdrm	hypo	CHH	-0.0289
Gm16	962002	963001 Gmdrm	hypo	CHH	-0.0365

Gm16	967086	968034	Gmdrm	hypo	CHH	-0.0229
Gm16	973019	974016	Gmdrm	hypo	CHH	-0.0421
Gm16	979582	980556	Gmdrm	hypo	CHH	-0.0135
Gm16	987960	988955	Gmdrm	hypo	CHH	-0.0464
Gm16	995126	996109	Gmdrm	hypo	CHH	-0.0287
Gm16	997197	998195	Gmdrm	hypo	CHH	-0.0744
Gm16	998199	999194	Gmdrm	hypo	CHH	-0.0884
Gm16	1002605	1003599	Gmdrm	hypo	CHH	-0.0253
Gm16	1014945	1015486	Gmdrm	hypo	CHH	-0.0141
Gm16	1017901	1018125	Gmdrm	hypo	CHH	-0.0493
Gm16	1028249	1029244	Gmdrm	hypo	CHH	-0.032
Gm16	1031378	1032378	Gmdrm	hypo	CHH	-0.0417
Gm16	1032386	1033373	Gmdrm	hypo	CHH	-0.0472
Gm16	1046864	1047834	Gmdrm	hypo	CHH	-0.0139
Gm16	1086207	1087203	Gmdrm	hypo	CHH	-0.0487
Gm16	1087208	1088199	Gmdrm	hypo	CHH	-0.0966
Gm16	1088212	1089201	Gmdrm	hypo	CHH	-0.0679
Gm16	1095844	1096836	Gmdrm	hypo	CHH	-0.0141
Gm16	1110268	1110330	Gmdrm	hypo	CHH	-0.1431
Gm16	1124069	1125063	Gmdrm	hypo	CHH	-0.0214
Gm16	1141262	1142158	Gmdrm	hypo	CHH	-0.0428
Gm16	1153331	1154327	Gmdrm	hypo	CHH	-0.0161
Gm16	1167455	1168427	Gmdrm	hypo	CHH	-0.019
Gm16	1169533	1170515	Gmdrm	hypo	CHH	-0.0212
Gm16	1176355	1177354	Gmdrm	hypo	CHH	-0.049
Gm16	1177360	1178352	Gmdrm	hypo	CHH	-0.1165
Gm16	1179396	1180396	Gmdrm	hypo	CHH	-0.0672
Gm16	1180401	1181396	Gmdrm	hypo	CHH	-0.0288
Gm16	1186743	1187698	Gmdrm	hypo	CHH	-0.0186
Gm16	1191878	1192877	Gmdrm	hypo	CHH	-0.0358
Gm16	1224432	1225410	Gmdrm	hypo	CHH	-0.0216
Gm16	1226151	1227146	Gmdrm	hypo	CHH	-0.0313
Gm16	1238021	1238675	Gmdrm	hypo	CHH	-0.0208
Gm16	1242890	1243886	Gmdrm	hypo	CHH	-0.0181
Gm16	1246638	1247022	Gmdrm	hypo	CHH	-0.2391
Gm16	1247183	1247737	Gmdrm	hypo	CHH	-0.0432
Gm16	1269271	1270271	Gmdrm	hypo	CHH	-0.0216
Gm16	1270282	1271279	Gmdrm	hypo	CHH	-0.0334
Gm16	1271303	1272291	Gmdrm	hypo	CHH	-0.1115
Gm16	1272325	1273324	Gmdrm	hypo	CHH	-0.1219
Gm16	1275352	1276276	Gmdrm	hypo	CHH	-0.0601
Gm16	1277367	1278365	Gmdrm	hypo	CHH	-0.102
Gm16	1278370	1279367	Gmdrm	hypo	CHH	-0.0175
Gm16	1284324	1285322	Gmdrm	hypo	CHH	-0.0124
Gm16	1285325	1286324	Gmdrm	hypo	CHH	-0.0395
Gm16	1307033	1308027	Gmdrm	hypo	CHH	-0.1374

Gm16	1310527	1311525 Gmdrm	hypo	CHH	-0.0176
Gm16	1342813	1343806 Gmdrm	hypo	CHH	-0.025
Gm16	1347844	1348842 Gmdrm	hypo	CHH	-0.0367
Gm16	1348873	1349871 Gmdrm	hypo	CHH	-0.1188
Gm16	1349899	1350746 Gmdrm	hypo	CHH	-0.016
Gm16	1356590	1356983 Gmdrm	hypo	CHH	-0.0716
Gm16	1360145	1361142 Gmdrm	hypo	CHH	-0.1879
Gm16	1361147	1362120 Gmdrm	hypo	CHH	-0.1355
Gm16	1372458	1373120 Gmdrm	hypo	CHH	-0.2041
Gm16	1375179	1376173 Gmdrm	hypo	CHH	-0.0179
Gm16	1392347	1393345 Gmdrm	hypo	CHH	-0.0319
Gm16	1400394	1401388 Gmdrm	hypo	CHH	-0.0479
Gm16	1402427	1403410 Gmdrm	hypo	CHH	-0.0108
Gm16	1405824	1406802 Gmdrm	hypo	CHH	-0.0607
Gm16	1406861	1407855 Gmdrm	hypo	CHH	-0.0156
Gm16	1414972	1415918 Gmdrm	hypo	CHH	-0.0225
Gm16	1416994	1417991 Gmdrm	hypo	CHH	-0.278
Gm16	1418013	1418997 Gmdrm	hypo	CHH	-0.0107
Gm16	1419275	1420272 Gmdrm	hypo	CHH	-0.0304
Gm16	1420285	1420631 Gmdrm	hypo	CHH	-0.0122
Gm16	1432707	1433125 Gmdrm	hypo	CHH	-0.0604
Gm16	1433230	1434223 Gmdrm	hypo	CHH	-0.1058
Gm16	1434238	1435229 Gmdrm	hypo	CHH	-0.0814
Gm16	1460038	1461033 Gmdrm	hypo	CHH	-0.0117
Gm16	1477024	1478024 Gmdrm	hypo	CHH	-0.0588
Gm16	1478027	1478878 Gmdrm	hypo	CHH	-0.109
Gm16	1481900	1482882 Gmdrm	hypo	CHH	-0.0143
Gm16	1486298	1487298 Gmdrm	hypo	CHH	-0.0762
Gm16	1492369	1493367 Gmdrm	hypo	CHH	-0.0309
Gm16	1493371	1494359 Gmdrm	hypo	CHH	-0.0149
Gm16	1497991	1498986 Gmdrm	hypo	CHH	-0.0094
Gm16	1513560	1514517 Gmdrm	hypo	CHH	-0.013
Gm16	1524001	1525001 Gmdrm	hypo	CHH	-0.0412
Gm16	1529670	1530644 Gmdrm	hypo	CHH	-0.0116
Gm16	1530698	1531693 Gmdrm	hypo	CHH	-0.0585
Gm16	1531705	1532690 Gmdrm	hypo	CHH	-0.1136
Gm16	1533742	1534742 Gmdrm	hypo	CHH	-0.0195
Gm16	1534747	1535739 Gmdrm	hypo	CHH	-0.0522
Gm16	1536770	1536935 Gmdrm	hypo	CHH	-0.028
Gm16	1537147	1537615 Gmdrm	hypo	CHH	-0.1586
Gm16	1538938	1539919 Gmdrm	hypo	CHH	-0.114
Gm16	1539940	1540914 Gmdrm	hypo	CHH	-0.0941
Gm16	1545466	1545851 Gmdrm	hypo	CHH	-0.0371
Gm16	1555377	1556314 Gmdrm	hypo	CHH	-0.0143
Gm16	1568651	1569643 Gmdrm	hypo	CHH	-0.0419
Gm16	1574279	1575250 Gmdrm	hypo	CHH	-0.0134

Gm16	1577328	1578316 Gmdrm	hypo	CHH	-0.0172
Gm16	1580903	1581851 Gmdrm	hypo	CHH	-0.1466
Gm16	1584640	1584856 Gmdrm	hypo	CHH	-0.04
Gm16	1588112	1589080 Gmdrm	hypo	CHH	-0.1077
Gm16	1594715	1595190 Gmdrm	hypo	CHH	-0.0405
Gm16	1599997	1600945 Gmdrm	hypo	CHH	-0.0694
Gm16	1608840	1609836 Gmdrm	hypo	CHH	-0.1158
Gm16	1609845	1610245 Gmdrm	hypo	CHH	-0.0358
Gm16	1614632	1615625 Gmdrm	hypo	CHH	-0.0144
Gm16	1628462	1629457 Gmdrm	hypo	CHH	-0.0912
Gm16	1630491	1630568 Gmdrm	hypo	CHH	-0.11
Gm16	1646703	1647695 Gmdrm	hypo	CHH	-0.1246
Gm16	1661383	1661671 Gmdrm	hypo	CHH	-0.0494
Gm16	1667167	1668121 Gmdrm	hypo	CHH	-0.0137
Gm16	1679825	1680441 Gmdrm	hypo	CHH	-0.0269
Gm16	1682179	1683176 Gmdrm	hypo	CHH	-0.0129
Gm16	1690986	1691974 Gmdrm	hypo	CHH	-0.0218
Gm16	1697858	1698837 Gmdrm	hypo	CHH	-0.0281
Gm16	1716423	1716779 Gmdrm	hypo	CHH	-0.0383
Gm16	1744853	1745224 Gmdrm	hypo	CHH	-0.057
Gm16	1749391	1750386 Gmdrm	hypo	CHH	-0.0987
Gm16	1752577	1753183 Gmdrm	hypo	CHH	-0.02
Gm16	1754384	1754538 Gmdrm	hypo	CHH	-0.0375
Gm16	1761043	1762042 Gmdrm	hypo	CHH	-0.1021
Gm16	1762045	1763028 Gmdrm	hypo	CHH	-0.0746
Gm16	1775230	1776228 Gmdrm	hypo	CHH	-0.0334
Gm16	1776245	1777225 Gmdrm	hypo	CHH	-0.02
Gm16	1777261	1778258 Gmdrm	hypo	CHH	-0.0249
Gm16	1783819	1784815 Gmdrm	hypo	CHH	-0.0172
Gm16	1786690	1787685 Gmdrm	hypo	CHH	-0.0303
Gm16	1787691	1788670 Gmdrm	hypo	CHH	-0.0302
Gm16	1789780	1790637 Gmdrm	hypo	CHH	-0.0377
Gm16	1803287	1804284 Gmdrm	hypo	CHH	-0.0902
Gm16	1804294	1804802 Gmdrm	hypo	CHH	-0.0363
Gm16	1812106	1813105 Gmdrm	hypo	CHH	-0.0886
Gm16	1813109	1814061 Gmdrm	hypo	CHH	-0.0738
Gm16	1815134	1816129 Gmdrm	hypo	CHH	-0.0255
Gm16	1816140	1816884 Gmdrm	hypo	CHH	-0.1483
Gm16	1816993	1817992 Gmdrm	hypo	CHH	-0.0185
Gm16	1828545	1829529 Gmdrm	hypo	CHH	-0.0187
Gm16	1829548	1829922 Gmdrm	hypo	CHH	-0.0491
Gm16	1830060	1830826 Gmdrm	hypo	CHH	-0.079
Gm16	1833615	1834449 Gmdrm	hypo	CHH	-0.0166
Gm16	1834709	1835689 Gmdrm	hypo	CHH	-0.0208
Gm16	1848462	1849445 Gmdrm	hypo	CHH	-0.0172
Gm16	1849463	1850463 Gmdrm	hypo	CHH	-0.0461

Gm16	1850467	1851460 Gmdrm	hypo	CHH	-0.0671
Gm16	1851475	1852407 Gmdrm	hypo	CHH	-0.041
Gm16	1853771	1853983 Gmdrm	hypo	CHH	-0.0238
Gm16	1854108	1855095 Gmdrm	hypo	CHH	-0.0273
Gm16	1855116	1855723 Gmdrm	hypo	CHH	-0.4007
Gm16	1855830	1856745 Gmdrm	hypo	CHH	-0.0264
Gm16	1856855	1857845 Gmdrm	hypo	CHH	-0.0146
Gm16	1860893	1861891 Gmdrm	hypo	CHH	-0.0105
Gm16	1871867	1872845 Gmdrm	hypo	CHH	-0.0279
Gm16	1877792	1878786 Gmdrm	hypo	CHH	-0.0317
Gm16	1882247	1883244 Gmdrm	hypo	CHH	-0.0211
Gm16	1883256	1884201 Gmdrm	hypo	CHH	-0.0162
Gm16	1897396	1898358 Gmdrm	hypo	CHH	-0.0254
Gm16	1901718	1902716 Gmdrm	hypo	CHH	-0.0129
Gm16	1908272	1909264 Gmdrm	hypo	CHH	-0.0288
Gm16	1909276	1910096 Gmdrm	hypo	CHH	-0.0201
Gm16	1920399	1920468 Gmdrm	hypo	CHH	-0.0474
Gm16	1923911	1924156 Gmdrm	hypo	CHH	-0.0419
Gm16	1936122	1937081 Gmdrm	hypo	CHH	-0.0338
Gm16	1939155	1940032 Gmdrm	hypo	CHH	-0.0582
Gm16	1941873	1942855 Gmdrm	hypo	CHH	-0.1207
Gm16	1942894	1943877 Gmdrm	hypo	CHH	-0.0203
Gm16	1946985	1947983 Gmdrm	hypo	CHH	-0.137
Gm16	1947986	1948986 Gmdrm	hypo	CHH	-0.1006
Gm16	1952577	1953544 Gmdrm	hypo	CHH	-0.1079
Gm16	1956141	1957137 Gmdrm	hypo	CHH	-0.0328
Gm16	1960454	1961292 Gmdrm	hypo	CHH	-0.1061
Gm16	1962276	1963271 Gmdrm	hypo	CHH	-0.0812
Gm16	1975871	1976834 Gmdrm	hypo	CHH	-0.0169
Gm16	1988846	1989844 Gmdrm	hypo	CHH	-0.2365
Gm16	1989848	1990833 Gmdrm	hypo	CHH	-0.1323
Gm16	1991855	1992833 Gmdrm	hypo	CHH	-0.0227
Gm16	1997250	1998248 Gmdrm	hypo	CHH	-0.0936
Gm16	2026616	2027613 Gmdrm	hypo	CHH	-0.0477
Gm16	2027618	2028608 Gmdrm	hypo	CHH	-0.0276
Gm16	2035870	2036866 Gmdrm	hypo	CHH	-0.0152
Gm16	2047500	2048490 Gmdrm	hypo	CHH	-0.0171
Gm16	2058130	2059104 Gmdrm	hypo	CHH	-0.0218
Gm16	2059131	2060131 Gmdrm	hypo	CHH	-0.0869
Gm16	2060136	2061136 Gmdrm	hypo	CHH	-0.1464
Gm16	2062176	2063175 Gmdrm	hypo	CHH	-0.116
Gm16	2063179	2064172 Gmdrm	hypo	CHH	-0.0554
Gm16	2064181	2065179 Gmdrm	hypo	CHH	-0.0534
Gm16	2086975	2087973 Gmdrm	hypo	CHH	-0.0497
Gm16	2087977	2088972 Gmdrm	hypo	CHH	-0.0421
Gm16	2091999	2092990 Gmdrm	hypo	CHH	-0.0405

Gm16	2111754	2112747 Gmdrm	hypo	CHH	-0.0253
Gm16	2117162	2117979 Gmdrm	hypo	CHH	-0.0256
Gm16	2121488	2122448 Gmdrm	hypo	CHH	-0.0311
Gm16	2127463	2127717 Gmdrm	hypo	CHH	-0.1889
Gm16	2139448	2140437 Gmdrm	hypo	CHH	-0.0789
Gm16	2147292	2147931 Gmdrm	hypo	CHH	-0.1218
Gm16	2148047	2148516 Gmdrm	hypo	CHH	-0.1058
Gm16	2159107	2160095 Gmdrm	hypo	CHH	-0.0536
Gm16	2162144	2163077 Gmdrm	hypo	CHH	-0.0481
Gm16	2177169	2178158 Gmdrm	hypo	CHH	-0.0187
Gm16	2187426	2188419 Gmdrm	hypo	CHH	-0.0729
Gm16	2188431	2189416 Gmdrm	hypo	CHH	-0.0354
Gm16	2190439	2191371 Gmdrm	hypo	CHH	-0.0219
Gm16	2191869	2192864 Gmdrm	hypo	CHH	-0.0198
Gm16	2193422	2194422 Gmdrm	hypo	CHH	-0.0411
Gm16	2194424	2195422 Gmdrm	hypo	CHH	-0.0233
Gm16	2215979	2216841 Gmdrm	hypo	CHH	-0.0409
Gm16	2217233	2218224 Gmdrm	hypo	CHH	-0.0155
Gm16	2231393	2232380 Gmdrm	hypo	CHH	-0.0368
Gm16	2238538	2239538 Gmdrm	hypo	CHH	-0.0637
Gm16	2239541	2240538 Gmdrm	hypo	CHH	-0.055
Gm16	2249735	2250733 Gmdrm	hypo	CHH	-0.0108
Gm16	2252746	2253738 Gmdrm	hypo	CHH	-0.0162
Gm16	2253762	2254761 Gmdrm	hypo	CHH	-0.0724
Gm16	2263232	2264215 Gmdrm	hypo	CHH	-0.0302
Gm16	2276115	2277102 Gmdrm	hypo	CHH	-0.0161
Gm16	2278522	2279510 Gmdrm	hypo	CHH	-0.058
Gm16	2281750	2282542 Gmdrm	hypo	CHH	-0.0484
Gm16	2284043	2285037 Gmdrm	hypo	CHH	-0.0705
Gm16	2285045	2286042 Gmdrm	hypo	CHH	-0.0768
Gm16	2286050	2287040 Gmdrm	hypo	CHH	-0.0904
Gm16	2289104	2290080 Gmdrm	hypo	CHH	-0.0163
Gm16	2291222	2292222 Gmdrm	hypo	CHH	-0.0197
Gm16	2332113	2332272 Gmdrm	hypo	CHH	-0.03
Gm16	2334700	2335686 Gmdrm	hypo	CHH	-0.0208
Gm16	2338178	2339171 Gmdrm	hypo	CHH	-0.0239
Gm16	2358915	2359911 Gmdrm	hypo	CHH	-0.0148
Gm16	2359918	2360899 Gmdrm	hypo	CHH	-0.0701
Gm16	2384397	2385397 Gmdrm	hypo	CHH	-0.0114
Gm16	2385407	2386404 Gmdrm	hypo	CHH	-0.0133
Gm16	2386409	2387398 Gmdrm	hypo	CHH	-0.0345
Gm16	2394477	2395395 Gmdrm	hypo	CHH	-0.0148
Gm16	2398585	2399571 Gmdrm	hypo	CHH	-0.0186
Gm16	2401509	2402080 Gmdrm	hypo	CHH	-0.0376
Gm16	2403923	2404755 Gmdrm	hypo	CHH	-0.03
Gm16	2408964	2409906 Gmdrm	hypo	CHH	-0.0333

Gm16	2409968	2410918 Gmdrm	hypo	CHH	-0.1752
Gm16	2412543	2413542 Gmdrm	hypo	CHH	-0.0177
Gm16	2416961	2417960 Gmdrm	hypo	CHH	-0.05
Gm16	2429642	2430523 Gmdrm	hypo	CHH	-0.015
Gm16	2437976	2438972 Gmdrm	hypo	CHH	-0.0214
Gm16	2439895	2440893 Gmdrm	hypo	CHH	-0.0218
Gm16	2440900	2441899 Gmdrm	hypo	CHH	-0.0163
Gm16	2441902	2442895 Gmdrm	hypo	CHH	-0.0128
Gm16	2445910	2446899 Gmdrm	hypo	CHH	-0.0371
Gm16	2467545	2468519 Gmdrm	hypo	CHH	-0.0132
Gm16	2472837	2473799 Gmdrm	hypo	CHH	-0.0223
Gm16	2473841	2474841 Gmdrm	hypo	CHH	-0.0537
Gm16	2484920	2485917 Gmdrm	hypo	CHH	-0.0218
Gm16	2486939	2487930 Gmdrm	hypo	CHH	-0.0136
Gm16	2498818	2499815 Gmdrm	hypo	CHH	-0.0618
Gm16	2499834	2500824 Gmdrm	hypo	CHH	-0.0269
Gm16	2501860	2502850 Gmdrm	hypo	CHH	-0.019
Gm16	2511668	2512643 Gmdrm	hypo	CHH	-0.0158
Gm16	2512674	2513664 Gmdrm	hypo	CHH	-0.0838
Gm16	2516377	2517165 Gmdrm	hypo	CHH	-0.0376
Gm16	2524237	2525224 Gmdrm	hypo	CHH	-0.1669
Gm16	2525251	2526251 Gmdrm	hypo	CHH	-0.0914
Gm16	2539561	2540560 Gmdrm	hypo	CHH	-0.1087
Gm16	2540564	2541517 Gmdrm	hypo	CHH	-0.1617
Gm16	2553820	2554820 Gmdrm	hypo	CHH	-0.0957
Gm16	2554831	2555827 Gmdrm	hypo	CHH	-0.196
Gm16	2568022	2569014 Gmdrm	hypo	CHH	-0.0343
Gm16	2577749	2578744 Gmdrm	hypo	CHH	-0.1082
Gm16	2581529	2582525 Gmdrm	hypo	CHH	-0.0256
Gm16	2583543	2584440 Gmdrm	hypo	CHH	-0.0119
Gm16	2596891	2597868 Gmdrm	hypo	CHH	-0.1944
Gm16	2597895	2598304 Gmdrm	hypo	CHH	-0.0194
Gm16	2608098	2608536 Gmdrm	hypo	CHH	-0.0224
Gm16	2608925	2609924 Gmdrm	hypo	CHH	-0.1192
Gm16	2609928	2610886 Gmdrm	hypo	CHH	-0.0537
Gm16	2612281	2612849 Gmdrm	hypo	CHH	-0.0818
Gm16	2631878	2632867 Gmdrm	hypo	CHH	-0.0943
Gm16	2634291	2635285 Gmdrm	hypo	CHH	-0.0496
Gm16	2635295	2636295 Gmdrm	hypo	CHH	-0.0492
Gm16	2636299	2637270 Gmdrm	hypo	CHH	-0.0464
Gm16	2660143	2660904 Gmdrm	hypo	CHH	-0.0212
Gm16	2661591	2662589 Gmdrm	hypo	CHH	-0.1547
Gm16	2668127	2668835 Gmdrm	hypo	CHH	-0.0137
Gm16	2679438	2680438 Gmdrm	hypo	CHH	-0.0496
Gm16	2680440	2681419 Gmdrm	hypo	CHH	-0.0299
Gm16	2690563	2691557 Gmdrm	hypo	CHH	-0.0122

Gm16	2692016	2693007	Gmdrm	hypo	CHH	-0.0122
Gm16	2702883	2703865	Gmdrm	hypo	CHH	-0.0218
Gm16	2703890	2704868	Gmdrm	hypo	CHH	-0.0179
Gm16	2709823	2710790	Gmdrm	hypo	CHH	-0.0165
Gm16	2722098	2723091	Gmdrm	hypo	CHH	-0.0579
Gm16	2724806	2725797	Gmdrm	hypo	CHH	-0.0502
Gm16	2725809	2726806	Gmdrm	hypo	CHH	-0.0279
Gm16	2738079	2739079	Gmdrm	hypo	CHH	-0.0147
Gm16	2739144	2740133	Gmdrm	hypo	CHH	-0.0154
Gm16	2749250	2750249	Gmdrm	hypo	CHH	-0.0591
Gm16	2750262	2751014	Gmdrm	hypo	CHH	-0.0493
Gm16	2756800	2757062	Gmdrm	hypo	CHH	-0.0361
Gm16	2759705	2760600	Gmdrm	hypo	CHH	-0.293
Gm16	2760710	2761354	Gmdrm	hypo	CHH	-0.0721
Gm16	2763274	2764269	Gmdrm	hypo	CHH	-0.0177
Gm16	2766313	2767287	Gmdrm	hypo	CHH	-0.1052
Gm16	2771259	2772193	Gmdrm	hypo	CHH	-0.0123
Gm16	2773276	2774258	Gmdrm	hypo	CHH	-0.0163
Gm16	2781545	2782542	Gmdrm	hypo	CHH	-0.0602
Gm16	2783554	2784553	Gmdrm	hypo	CHH	-0.0432
Gm16	2791593	2792008	Gmdrm	hypo	CHH	-0.0512
Gm16	2799204	2800199	Gmdrm	hypo	CHH	-0.0495
Gm16	2800206	2801203	Gmdrm	hypo	CHH	-0.1665
Gm16	2806181	2806950	Gmdrm	hypo	CHH	-0.0219
Gm16	2810382	2811370	Gmdrm	hypo	CHH	-0.0179
Gm16	2819635	2820627	Gmdrm	hypo	CHH	-0.0241
Gm16	2821221	2821720	Gmdrm	hypo	CHH	-0.0289
Gm16	2828264	2828784	Gmdrm	hypo	CHH	-0.0472
Gm16	2832957	2833639	Gmdrm	hypo	CHH	-0.0502
Gm16	2834859	2835810	Gmdrm	hypo	CHH	-0.0363
Gm16	2835954	2836938	Gmdrm	hypo	CHH	-0.061
Gm16	2836961	2837526	Gmdrm	hypo	CHH	-0.026
Gm16	2839664	2840611	Gmdrm	hypo	CHH	-0.0189
Gm16	2860616	2861610	Gmdrm	hypo	CHH	-0.0475
Gm16	2861619	2862615	Gmdrm	hypo	CHH	-0.0469
Gm16	2863676	2864670	Gmdrm	hypo	CHH	-0.0346
Gm16	2869311	2870308	Gmdrm	hypo	CHH	-0.0209
Gm16	2870339	2871334	Gmdrm	hypo	CHH	-0.0439
Gm16	2871348	2872341	Gmdrm	hypo	CHH	-0.0986
Gm16	2872350	2873347	Gmdrm	hypo	CHH	-0.0682
Gm16	2874007	2875003	Gmdrm	hypo	CHH	-0.0937
Gm16	2875010	2875997	Gmdrm	hypo	CHH	-0.1022
Gm16	2876012	2876926	Gmdrm	hypo	CHH	-0.0219
Gm16	2882167	2883117	Gmdrm	hypo	CHH	-0.0426
Gm16	2890593	2890947	Gmdrm	hypo	CHH	-0.0215
Gm16	2898768	2899760	Gmdrm	hypo	CHH	-0.0185

Gm16	2900270	2901222 Gmdrm	hypo	CHH	-0.0198
Gm16	2904813	2905483 Gmdrm	hypo	CHH	-0.0165
Gm16	2905597	2906592 Gmdrm	hypo	CHH	-0.0209
Gm16	2908606	2909605 Gmdrm	hypo	CHH	-0.1148
Gm16	2910616	2911526 Gmdrm	hypo	CHH	-0.026
Gm16	2914674	2915159 Gmdrm	hypo	CHH	-0.0308
Gm16	2915307	2916297 Gmdrm	hypo	CHH	-0.0586
Gm16	2919889	2920888 Gmdrm	hypo	CHH	-0.2043
Gm16	2920891	2921107 Gmdrm	hypo	CHH	-0.5105
Gm16	2931007	2932006 Gmdrm	hypo	CHH	-0.0693
Gm16	2952249	2953247 Gmdrm	hypo	CHH	-0.0832
Gm16	2964275	2964611 Gmdrm	hypo	CHH	-0.0359
Gm16	2971769	2972769 Gmdrm	hypo	CHH	-0.0378
Gm16	2977383	2978381 Gmdrm	hypo	CHH	-0.0475
Gm16	2978397	2979333 Gmdrm	hypo	CHH	-0.1037
Gm16	2981324	2982302 Gmdrm	hypo	CHH	-0.0428
Gm16	2983083	2983896 Gmdrm	hypo	CHH	-0.0246
Gm16	2996019	2996352 Gmdrm	hypo	CHH	-0.1017
Gm16	2996903	2997339 Gmdrm	hypo	CHH	-0.1433
Gm16	2997920	2998918 Gmdrm	hypo	CHH	-0.0607
Gm16	2998921	2999913 Gmdrm	hypo	CHH	-0.0758
Gm16	3003945	3004918 Gmdrm	hypo	CHH	-0.0128
Gm16	3010993	3011991 Gmdrm	hypo	CHH	-0.0269
Gm16	3012011	3012989 Gmdrm	hypo	CHH	-0.0145
Gm16	3024525	3025512 Gmdrm	hypo	CHH	-0.0495
Gm16	3025526	3026483 Gmdrm	hypo	CHH	-0.2721
Gm16	3032092	3033083 Gmdrm	hypo	CHH	-0.0849
Gm16	3034124	3035018 Gmdrm	hypo	CHH	-0.0175
Gm16	3046237	3047235 Gmdrm	hypo	CHH	-0.063
Gm16	3047238	3047494 Gmdrm	hypo	CHH	-0.5658
Gm16	3055734	3056719 Gmdrm	hypo	CHH	-0.0364
Gm16	3070200	3071040 Gmdrm	hypo	CHH	-0.0467
Gm16	3075601	3076542 Gmdrm	hypo	CHH	-0.0175
Gm16	3093268	3094254 Gmdrm	hypo	CHH	-0.0187
Gm16	3102878	3103853 Gmdrm	hypo	CHH	-0.0168
Gm16	3108481	3109480 Gmdrm	hypo	CHH	-0.0661
Gm16	3109493	3110470 Gmdrm	hypo	CHH	-0.0192
Gm16	3117977	3118974 Gmdrm	hypo	CHH	-0.0776
Gm16	3118978	3119641 Gmdrm	hypo	CHH	-0.0342
Gm16	3119808	3120289 Gmdrm	hypo	CHH	-0.0319
Gm16	3122084	3123072 Gmdrm	hypo	CHH	-0.0227
Gm16	3123134	3124133 Gmdrm	hypo	CHH	-0.0237
Gm16	3128344	3129341 Gmdrm	hypo	CHH	-0.0917
Gm16	3135576	3136556 Gmdrm	hypo	CHH	-0.0124
Gm16	3149249	3150180 Gmdrm	hypo	CHH	-0.3658
Gm16	3152176	3153172 Gmdrm	hypo	CHH	-0.0133

Gm16	3157229	3158221 Gmdrm	hypo	CHH	-0.0926
Gm16	3180936	3181934 Gmdrm	hypo	CHH	-0.1194
Gm16	3185007	3186002 Gmdrm	hypo	CHH	-0.0526
Gm16	3186013	3187009 Gmdrm	hypo	CHH	-0.0247
Gm16	3188042	3189031 Gmdrm	hypo	CHH	-0.1098
Gm16	3209414	3210410 Gmdrm	hypo	CHH	-0.0104
Gm16	3212433	3213415 Gmdrm	hypo	CHH	-0.0339
Gm16	3214441	3215296 Gmdrm	hypo	CHH	-0.0163
Gm16	3219700	3220674 Gmdrm	hypo	CHH	-0.0582
Gm16	3225788	3226568 Gmdrm	hypo	CHH	-0.013
Gm16	3231809	3232805 Gmdrm	hypo	CHH	-0.0185
Gm16	3246675	3247672 Gmdrm	hypo	CHH	-0.0336
Gm16	3267536	3268534 Gmdrm	hypo	CHH	-0.0358
Gm16	3271598	3272378 Gmdrm	hypo	CHH	-0.0125
Gm16	3289351	3290329 Gmdrm	hypo	CHH	-0.0204
Gm16	3291367	3292367 Gmdrm	hypo	CHH	-0.047
Gm16	3292370	3293368 Gmdrm	hypo	CHH	-0.122
Gm16	3293373	3294365 Gmdrm	hypo	CHH	-0.0512
Gm16	3315952	3316806 Gmdrm	hypo	CHH	-0.0569
Gm16	3324303	3325276 Gmdrm	hypo	CHH	-0.2348
Gm16	3328076	3328681 Gmdrm	hypo	CHH	-0.0398
Gm16	3346518	3347046 Gmdrm	hypo	CHH	-0.0752
Gm16	3347310	3348310 Gmdrm	hypo	CHH	-0.0401
Gm16	3348314	3349289 Gmdrm	hypo	CHH	-0.0129
Gm16	3351361	3352349 Gmdrm	hypo	CHH	-0.0222
Gm16	3372349	3373344 Gmdrm	hypo	CHH	-0.014
Gm16	3375028	3375673 Gmdrm	hypo	CHH	-0.0156
Gm16	3376815	3377379 Gmdrm	hypo	CHH	-0.4962
Gm16	3415682	3416664 Gmdrm	hypo	CHH	-0.0151
Gm16	3423453	3424117 Gmdrm	hypo	CHH	-0.012
Gm16	3424768	3424916 Gmdrm	hypo	CHH	-0.0767
Gm16	3434633	3435605 Gmdrm	hypo	CHH	-0.0226
Gm16	3437594	3438589 Gmdrm	hypo	CHH	-0.11
Gm16	3441608	3442587 Gmdrm	hypo	CHH	-0.055
Gm16	3452689	3453684 Gmdrm	hypo	CHH	-0.0202
Gm16	3455397	3456377 Gmdrm	hypo	CHH	-0.0192
Gm16	3456400	3457395 Gmdrm	hypo	CHH	-0.2308
Gm16	3475341	3476325 Gmdrm	hypo	CHH	-0.0307
Gm16	3476349	3477337 Gmdrm	hypo	CHH	-0.0212
Gm16	3486224	3487207 Gmdrm	hypo	CHH	-0.0161
Gm16	3488256	3489235 Gmdrm	hypo	CHH	-0.0228
Gm16	3511957	3512952 Gmdrm	hypo	CHH	-0.0428
Gm16	3512963	3513925 Gmdrm	hypo	CHH	-0.0501
Gm16	3513965	3514945 Gmdrm	hypo	CHH	-0.0283
Gm16	3514974	3515971 Gmdrm	hypo	CHH	-0.2106
Gm16	3523097	3523250 Gmdrm	hypo	CHH	-0.05

Gm16	3523374	3523948 Gmdrm	hypo	CHH	-0.0373
Gm16	3531472	3531754 Gmdrm	hypo	CHH	-0.047
Gm16	3535815	3536814 Gmdrm	hypo	CHH	-0.042
Gm16	3547026	3547941 Gmdrm	hypo	CHH	-0.0274
Gm16	3549045	3550031 Gmdrm	hypo	CHH	-0.1192
Gm16	3550056	3550228 Gmdrm	hypo	CHH	-0.1243
Gm16	3553274	3554048 Gmdrm	hypo	CHH	-0.079
Gm16	3554589	3555589 Gmdrm	hypo	CHH	-0.0254
Gm16	3555593	3556309 Gmdrm	hypo	CHH	-0.0509
Gm16	3556566	3557513 Gmdrm	hypo	CHH	-0.0429
Gm16	3573719	3574718 Gmdrm	hypo	CHH	-0.0167
Gm16	3578860	3579850 Gmdrm	hypo	CHH	-0.0327
Gm16	3579871	3580833 Gmdrm	hypo	CHH	-0.0391
Gm16	3588301	3589298 Gmdrm	hypo	CHH	-0.0654
Gm16	3589304	3590300 Gmdrm	hypo	CHH	-0.0879
Gm16	3590306	3591290 Gmdrm	hypo	CHH	-0.0786
Gm16	3603137	3603813 Gmdrm	hypo	CHH	-0.0188
Gm16	3616749	3617748 Gmdrm	hypo	CHH	-0.0275
Gm16	3617751	3618749 Gmdrm	hypo	CHH	-0.0377
Gm16	3638685	3639680 Gmdrm	hypo	CHH	-0.0186
Gm16	3641397	3641873 Gmdrm	hypo	CHH	-0.019
Gm16	3645161	3646157 Gmdrm	hypo	CHH	-0.0259
Gm16	3646162	3647159 Gmdrm	hypo	CHH	-0.0634
Gm16	3647172	3648147 Gmdrm	hypo	CHH	-0.0523
Gm16	3649217	3650175 Gmdrm	hypo	CHH	-0.0436
Gm16	3652835	3653137 Gmdrm	hypo	CHH	-0.0268
Gm16	3659449	3660447 Gmdrm	hypo	CHH	-0.0144
Gm16	3661469	3662455 Gmdrm	hypo	CHH	-0.0651
Gm16	3662473	3663448 Gmdrm	hypo	CHH	-0.0318
Gm16	3677936	3677995 Gmdrm	hypo	CHH	-0.0843
Gm16	3679133	3680125 Gmdrm	hypo	CHH	-0.0186
Gm16	3682124	3683122 Gmdrm	hypo	CHH	-0.0284
Gm16	3684141	3684557 Gmdrm	hypo	CHH	-0.3053
Gm16	3684794	3685332 Gmdrm	hypo	CHH	-0.2618
Gm16	3686304	3686494 Gmdrm	hypo	CHH	-0.045
Gm16	3697952	3698945 Gmdrm	hypo	CHH	-0.0343
Gm16	3709996	3710911 Gmdrm	hypo	CHH	-0.0713
Gm16	3712015	3712573 Gmdrm	hypo	CHH	-0.0157
Gm16	3716611	3717611 Gmdrm	hypo	CHH	-0.0925
Gm16	3717620	3718611 Gmdrm	hypo	CHH	-0.1789
Gm16	3742613	3743604 Gmdrm	hypo	CHH	-0.0187
Gm16	3743618	3744617 Gmdrm	hypo	CHH	-0.029
Gm16	3744622	3744709 Gmdrm	hypo	CHH	-0.0787
Gm16	3759512	3760020 Gmdrm	hypo	CHH	-0.0309
Gm16	3763567	3764565 Gmdrm	hypo	CHH	-0.0861
Gm16	3764574	3765572 Gmdrm	hypo	CHH	-0.0783

Gm16	3765575	3766573 Gmdrm	hypo	CHH	-0.051
Gm16	3766576	3767549 Gmdrm	hypo	CHH	-0.0764
Gm16	3777243	3778204 Gmdrm	hypo	CHH	-0.011
Gm16	3784836	3785824 Gmdrm	hypo	CHH	-0.0536
Gm16	3787864	3788778 Gmdrm	hypo	CHH	-0.1797
Gm16	3789167	3790161 Gmdrm	hypo	CHH	-0.1339
Gm16	3792566	3793399 Gmdrm	hypo	CHH	-0.0424
Gm16	3795303	3796276 Gmdrm	hypo	CHH	-0.0742
Gm16	3796306	3796486 Gmdrm	hypo	CHH	-0.2612
Gm16	3797988	3798980 Gmdrm	hypo	CHH	-0.0467
Gm16	3798995	3799987 Gmdrm	hypo	CHH	-0.0538
Gm16	3827438	3828432 Gmdrm	hypo	CHH	-0.2446
Gm16	3828440	3829437 Gmdrm	hypo	CHH	-0.1434
Gm16	3832960	3833957 Gmdrm	hypo	CHH	-0.0322
Gm16	3833968	3834944 Gmdrm	hypo	CHH	-0.0697
Gm16	3834988	3835436 Gmdrm	hypo	CHH	-0.0481
Gm16	3852792	3853787 Gmdrm	hypo	CHH	-0.0212
Gm16	3853810	3854810 Gmdrm	hypo	CHH	-0.0692
Gm16	3854812	3855809 Gmdrm	hypo	CHH	-0.043
Gm16	3855817	3856816 Gmdrm	hypo	CHH	-0.0608
Gm16	3856841	3857839 Gmdrm	hypo	CHH	-0.0478
Gm16	3857843	3858840 Gmdrm	hypo	CHH	-0.0486
Gm16	3858847	3859471 Gmdrm	hypo	CHH	-0.0727
Gm16	3861602	3862591 Gmdrm	hypo	CHH	-0.0233
Gm16	3868337	3869334 Gmdrm	hypo	CHH	-0.0766
Gm16	3874152	3875142 Gmdrm	hypo	CHH	-0.0127
Gm16	3878650	3879051 Gmdrm	hypo	CHH	-0.0414
Gm16	3889359	3890354 Gmdrm	hypo	CHH	-0.0212
Gm16	3894946	3895711 Gmdrm	hypo	CHH	-0.0477
Gm16	3911065	3912054 Gmdrm	hypo	CHH	-0.022
Gm16	3913826	3914815 Gmdrm	hypo	CHH	-0.0233
Gm16	3920453	3921452 Gmdrm	hypo	CHH	-0.034
Gm16	3936568	3937565 Gmdrm	hypo	CHH	-0.0329
Gm16	3937592	3938575 Gmdrm	hypo	CHH	-0.0176
Gm16	3938606	3939602 Gmdrm	hypo	CHH	-0.2802
Gm16	3943900	3944893 Gmdrm	hypo	CHH	-0.1206
Gm16	3944905	3945902 Gmdrm	hypo	CHH	-0.1035
Gm16	3947129	3948099 Gmdrm	hypo	CHH	-0.0396
Gm16	3954708	3955706 Gmdrm	hypo	CHH	-0.0187
Gm16	3971654	3972605 Gmdrm	hypo	CHH	-0.0679
Gm16	3972669	3973667 Gmdrm	hypo	CHH	-0.0606
Gm16	3981728	3982676 Gmdrm	hypo	CHH	-0.1521
Gm16	3982740	3983709 Gmdrm	hypo	CHH	-0.0957
Gm16	3984751	3985751 Gmdrm	hypo	CHH	-0.0598
Gm16	4006432	4007416 Gmdrm	hypo	CHH	-0.0132
Gm16	4021598	4022576 Gmdrm	hypo	CHH	-0.0396

Gm16	4023736	4024716 Gmdrm	hypo	CHH	-0.0721
Gm16	4024752	4025752 Gmdrm	hypo	CHH	-0.017
Gm16	4030834	4031045 Gmdrm	hypo	CHH	-0.0493
Gm16	4042361	4043262 Gmdrm	hypo	CHH	-0.1088
Gm16	4044386	4045370 Gmdrm	hypo	CHH	-0.0878
Gm16	4065663	4066638 Gmdrm	hypo	CHH	-0.294
Gm16	4070638	4071621 Gmdrm	hypo	CHH	-0.0116
Gm16	4071655	4072424 Gmdrm	hypo	CHH	-0.0271
Gm16	4085334	4086334 Gmdrm	hypo	CHH	-0.078
Gm16	4086351	4087350 Gmdrm	hypo	CHH	-0.0927
Gm16	4098037	4099035 Gmdrm	hypo	CHH	-0.1047
Gm16	4099048	4100048 Gmdrm	hypo	CHH	-0.1321
Gm16	4115085	4116081 Gmdrm	hypo	CHH	-0.0171
Gm16	4116087	4116495 Gmdrm	hypo	CHH	-0.0556
Gm16	4116905	4117632 Gmdrm	hypo	CHH	-0.1626
Gm16	4121695	4122661 Gmdrm	hypo	CHH	-0.0197
Gm16	4123699	4124698 Gmdrm	hypo	CHH	-0.0898
Gm16	4124711	4125708 Gmdrm	hypo	CHH	-0.0713
Gm16	4125718	4126716 Gmdrm	hypo	CHH	-0.0275
Gm16	4127732	4128717 Gmdrm	hypo	CHH	-0.0281
Gm16	4128801	4129440 Gmdrm	hypo	CHH	-0.0196
Gm16	4130639	4130939 Gmdrm	hypo	CHH	-0.1641
Gm16	4136399	4137371 Gmdrm	hypo	CHH	-0.0116
Gm16	4163204	4164198 Gmdrm	hypo	CHH	-0.0205
Gm16	4167991	4168978 Gmdrm	hypo	CHH	-0.0335
Gm16	4169309	4170309 Gmdrm	hypo	CHH	-0.0167
Gm16	4176406	4177404 Gmdrm	hypo	CHH	-0.0626
Gm16	4177416	4177856 Gmdrm	hypo	CHH	-0.039
Gm16	4180188	4181160 Gmdrm	hypo	CHH	-0.0295
Gm16	4191469	4192155 Gmdrm	hypo	CHH	-0.0536
Gm16	4194565	4195545 Gmdrm	hypo	CHH	-0.0149
Gm16	4200892	4201885 Gmdrm	hypo	CHH	-0.0203
Gm16	4201898	4202886 Gmdrm	hypo	CHH	-0.0444
Gm16	4202906	4203902 Gmdrm	hypo	CHH	-0.0571
Gm16	4203922	4204921 Gmdrm	hypo	CHH	-0.0406
Gm16	4204923	4205881 Gmdrm	hypo	CHH	-0.0315
Gm16	4205949	4206492 Gmdrm	hypo	CHH	-0.0621
Gm16	4208386	4209003 Gmdrm	hypo	CHH	-0.1148
Gm16	4231451	4232451 Gmdrm	hypo	CHH	-0.109
Gm16	4232456	4233438 Gmdrm	hypo	CHH	-0.2033
Gm16	4233459	4233854 Gmdrm	hypo	CHH	-0.0319
Gm16	4239087	4239954 Gmdrm	hypo	CHH	-0.0176
Gm16	4246952	4247945 Gmdrm	hypo	CHH	-0.0197
Gm16	4248984	4249984 Gmdrm	hypo	CHH	-0.0198
Gm16	4249994	4250992 Gmdrm	hypo	CHH	-0.0647
Gm16	4257714	4258710 Gmdrm	hypo	CHH	-0.0486

Gm16	4261846	4262835	Gmdrm	hypo	CHH	-0.0157
Gm16	4265207	4265733	Gmdrm	hypo	CHH	-0.0426
Gm16	4275778	4276776	Gmdrm	hypo	CHH	-0.0303
Gm16	4277783	4278716	Gmdrm	hypo	CHH	-0.02
Gm16	4282470	4283462	Gmdrm	hypo	CHH	-0.0214
Gm16	4284537	4284701	Gmdrm	hypo	CHH	-0.0489
Gm16	4306648	4307648	Gmdrm	hypo	CHH	-0.0717
Gm16	4314657	4315653	Gmdrm	hypo	CHH	-0.022
Gm16	4315665	4315757	Gmdrm	hypo	CHH	-0.0942
Gm16	4315939	4316141	Gmdrm	hypo	CHH	-0.032
Gm16	4345683	4346589	Gmdrm	hypo	CHH	-0.0248
Gm16	4349873	4350711	Gmdrm	hypo	CHH	-0.0204
Gm16	4361427	4362425	Gmdrm	hypo	CHH	-0.0129
Gm16	4365174	4366155	Gmdrm	hypo	CHH	-0.0153
Gm16	4366193	4366377	Gmdrm	hypo	CHH	-0.06
Gm16	4371186	4372183	Gmdrm	hypo	CHH	-0.0117
Gm16	4382647	4382799	Gmdrm	hypo	CHH	-0.07
Gm16	4382937	4383929	Gmdrm	hypo	CHH	-0.019
Gm16	4384985	4385985	Gmdrm	hypo	CHH	-0.0127
Gm16	4385993	4386991	Gmdrm	hypo	CHH	-0.3193
Gm16	4387050	4388038	Gmdrm	hypo	CHH	-0.0177
Gm16	4406141	4407141	Gmdrm	hypo	CHH	-0.0455
Gm16	4410886	4411879	Gmdrm	hypo	CHH	-0.2165
Gm16	4433421	4434358	Gmdrm	hypo	CHH	-0.0551
Gm16	4434432	4435431	Gmdrm	hypo	CHH	-0.0672
Gm16	4435434	4436434	Gmdrm	hypo	CHH	-0.0449
Gm16	4436442	4437432	Gmdrm	hypo	CHH	-0.0711
Gm16	4437444	4438429	Gmdrm	hypo	CHH	-0.0889
Gm16	4438446	4439424	Gmdrm	hypo	CHH	-0.0771
Gm16	4439448	4440436	Gmdrm	hypo	CHH	-0.0612
Gm16	4442630	4442969	Gmdrm	hypo	CHH	-0.032
Gm16	4472526	4473502	Gmdrm	hypo	CHH	-0.0577
Gm16	4473552	4474538	Gmdrm	hypo	CHH	-0.1565
Gm16	4479709	4480708	Gmdrm	hypo	CHH	-0.016
Gm16	4483767	4484737	Gmdrm	hypo	CHH	-0.1391
Gm16	4485781	4486412	Gmdrm	hypo	CHH	-0.0412
Gm16	4486516	4487513	Gmdrm	hypo	CHH	-0.0335
Gm16	4495813	4496803	Gmdrm	hypo	CHH	-0.016
Gm16	4496814	4497264	Gmdrm	hypo	CHH	-0.0208
Gm16	4498732	4499715	Gmdrm	hypo	CHH	-0.0218
Gm16	4500978	4501955	Gmdrm	hypo	CHH	-0.0996
Gm16	4501980	4502957	Gmdrm	hypo	CHH	-0.0131
Gm16	4510721	4511720	Gmdrm	hypo	CHH	-0.0146
Gm16	4511737	4512363	Gmdrm	hypo	CHH	-0.0341
Gm16	4519532	4520531	Gmdrm	hypo	CHH	-0.0236
Gm16	4520548	4521517	Gmdrm	hypo	CHH	-0.0449

Gm16	4532073	4533051 Gmdrm	hypo	CHH	-0.0169
Gm16	4534076	4535049 Gmdrm	hypo	CHH	-0.0376
Gm16	4536136	4537130 Gmdrm	hypo	CHH	-0.0205
Gm16	4541399	4542318 Gmdrm	hypo	CHH	-0.1187
Gm16	4544422	4545341 Gmdrm	hypo	CHH	-0.0726
Gm16	4551476	4552475 Gmdrm	hypo	CHH	-0.108
Gm16	4552481	4553450 Gmdrm	hypo	CHH	-0.1809
Gm16	4562428	4563418 Gmdrm	hypo	CHH	-0.0196
Gm16	4574606	4575604 Gmdrm	hypo	CHH	-0.0296
Gm16	4576612	4577607 Gmdrm	hypo	CHH	-0.0588
Gm16	4577627	4578613 Gmdrm	hypo	CHH	-0.0512
Gm16	4579055	4580055 Gmdrm	hypo	CHH	-0.0607
Gm16	4590720	4591169 Gmdrm	hypo	CHH	-0.0758
Gm16	4591835	4592127 Gmdrm	hypo	CHH	-0.1277
Gm16	4604246	4605242 Gmdrm	hypo	CHH	-0.0421
Gm16	4608309	4609184 Gmdrm	hypo	CHH	-0.0356
Gm16	4616283	4617097 Gmdrm	hypo	CHH	-0.0809
Gm16	4617223	4617795 Gmdrm	hypo	CHH	-0.1174
Gm16	4632884	4633875 Gmdrm	hypo	CHH	-0.0138
Gm16	4633895	4634881 Gmdrm	hypo	CHH	-0.041
Gm16	4638658	4639658 Gmdrm	hypo	CHH	-0.0133
Gm16	4641907	4642582 Gmdrm	hypo	CHH	-0.0394
Gm16	4642718	4643694 Gmdrm	hypo	CHH	-0.0368
Gm16	4646757	4647755 Gmdrm	hypo	CHH	-0.0105
Gm16	4647758	4648718 Gmdrm	hypo	CHH	-0.0143
Gm16	4648760	4649756 Gmdrm	hypo	CHH	-0.0122
Gm16	4653495	4654492 Gmdrm	hypo	CHH	-0.1347
Gm16	4655540	4656530 Gmdrm	hypo	CHH	-0.0807
Gm16	4658596	4659495 Gmdrm	hypo	CHH	-0.0212
Gm16	4659882	4660867 Gmdrm	hypo	CHH	-0.1638
Gm16	4660892	4661889 Gmdrm	hypo	CHH	-0.0551
Gm16	4661894	4662334 Gmdrm	hypo	CHH	-0.2548
Gm16	4663846	4664817 Gmdrm	hypo	CHH	-0.0271
Gm16	4670553	4671524 Gmdrm	hypo	CHH	-0.0391
Gm16	4671568	4672565 Gmdrm	hypo	CHH	-0.1202
Gm16	4672577	4673572 Gmdrm	hypo	CHH	-0.0781
Gm16	4684873	4685859 Gmdrm	hypo	CHH	-0.1158
Gm16	4696503	4697493 Gmdrm	hypo	CHH	-0.0325
Gm16	4697508	4698451 Gmdrm	hypo	CHH	-0.0219
Gm16	4698516	4699487 Gmdrm	hypo	CHH	-0.0161
Gm16	4705044	4706040 Gmdrm	hypo	CHH	-0.1799
Gm16	4708077	4709068 Gmdrm	hypo	CHH	-0.06
Gm16	4709105	4710085 Gmdrm	hypo	CHH	-0.0759
Gm16	4728513	4729511 Gmdrm	hypo	CHH	-0.0085
Gm16	4755659	4756098 Gmdrm	hypo	CHH	-0.1272
Gm16	4761275	4762255 Gmdrm	hypo	CHH	-0.0669

Gm16	4771586	4772558 Gmdrm	hypo	CHH	-0.0563
Gm16	4772592	4773590 Gmdrm	hypo	CHH	-0.0313
Gm16	4773600	4774110 Gmdrm	hypo	CHH	-0.0317
Gm16	4777653	4778641 Gmdrm	hypo	CHH	-0.0264
Gm16	4780731	4781722 Gmdrm	hypo	CHH	-0.0201
Gm16	4781737	4782724 Gmdrm	hypo	CHH	-0.0619
Gm16	4786785	4787772 Gmdrm	hypo	CHH	-0.1046
Gm16	4792935	4793928 Gmdrm	hypo	CHH	-0.1214
Gm16	4793936	4794918 Gmdrm	hypo	CHH	-0.1326
Gm16	4794943	4795930 Gmdrm	hypo	CHH	-0.03
Gm16	4800027	4801011 Gmdrm	hypo	CHH	-0.0493
Gm16	4801034	4802032 Gmdrm	hypo	CHH	-0.0719
Gm16	4802036	4802349 Gmdrm	hypo	CHH	-0.0435
Gm16	4815457	4816398 Gmdrm	hypo	CHH	-0.1041
Gm16	4823048	4823288 Gmdrm	hypo	CHH	-0.0224
Gm16	4835392	4836369 Gmdrm	hypo	CHH	-0.2103
Gm16	4842370	4843368 Gmdrm	hypo	CHH	-0.0276
Gm16	4843401	4844385 Gmdrm	hypo	CHH	-0.0527
Gm16	4848514	4848817 Gmdrm	hypo	CHH	-0.0285
Gm16	4849147	4850138 Gmdrm	hypo	CHH	-0.0159
Gm16	4854937	4855927 Gmdrm	hypo	CHH	-0.0201
Gm16	4858043	4859042 Gmdrm	hypo	CHH	-0.1686
Gm16	4859044	4860039 Gmdrm	hypo	CHH	-0.0417
Gm16	4862215	4863205 Gmdrm	hypo	CHH	-0.0171
Gm16	4875431	4876175 Gmdrm	hypo	CHH	-0.0553
Gm16	4876280	4877276 Gmdrm	hypo	CHH	-0.0974
Gm16	4885020	4885996 Gmdrm	hypo	CHH	-0.0582
Gm16	4887038	4888037 Gmdrm	hypo	CHH	-0.1227
Gm16	4889045	4890044 Gmdrm	hypo	CHH	-0.0222
Gm16	4890069	4891065 Gmdrm	hypo	CHH	-0.0277
Gm16	4906152	4907152 Gmdrm	hypo	CHH	-0.1138
Gm16	4907161	4908158 Gmdrm	hypo	CHH	-0.1233
Gm16	4908184	4909158 Gmdrm	hypo	CHH	-0.0826
Gm16	4909203	4909242 Gmdrm	hypo	CHH	-0.0472
Gm16	4918001	4918980 Gmdrm	hypo	CHH	-0.0404
Gm16	4924510	4924839 Gmdrm	hypo	CHH	-0.028
Gm16	4933612	4934603 Gmdrm	hypo	CHH	-0.0092
Gm16	4935668	4936663 Gmdrm	hypo	CHH	-0.0208
Gm16	4943298	4944292 Gmdrm	hypo	CHH	-0.0262
Gm16	4966002	4966994 Gmdrm	hypo	CHH	-0.0719
Gm16	4967011	4967973 Gmdrm	hypo	CHH	-0.0193
Gm16	4970045	4971017 Gmdrm	hypo	CHH	-0.0134
Gm16	4972068	4972765 Gmdrm	hypo	CHH	-0.1828
Gm16	4972975	4973948 Gmdrm	hypo	CHH	-0.1459
Gm16	4985383	4986378 Gmdrm	hypo	CHH	-0.0173
Gm16	4987289	4988287 Gmdrm	hypo	CHH	-0.0205

Gm16	4995099	4996018 Gmdrm	hypo	CHH	-0.0103
Gm16	5009002	5010000 Gmdrm	hypo	CHH	-0.0183
Gm16	5011466	5012465 Gmdrm	hypo	CHH	-0.0172
Gm16	5019785	5020784 Gmdrm	hypo	CHH	-0.012
Gm16	5021863	5022828 Gmdrm	hypo	CHH	-0.0197
Gm16	5029344	5030320 Gmdrm	hypo	CHH	-0.0207
Gm16	5030349	5031318 Gmdrm	hypo	CHH	-0.0604
Gm16	5036678	5037659 Gmdrm	hypo	CHH	-0.0648
Gm16	5038700	5039663 Gmdrm	hypo	CHH	-0.083
Gm16	5045287	5046254 Gmdrm	hypo	CHH	-0.0139
Gm16	5057833	5058814 Gmdrm	hypo	CHH	-0.0199
Gm16	5060613	5061612 Gmdrm	hypo	CHH	-0.0204
Gm16	5061614	5061655 Gmdrm	hypo	CHH	-0.0243
Gm16	5072126	5072196 Gmdrm	hypo	CHH	-0.056
Gm16	5076375	5077355 Gmdrm	hypo	CHH	-0.158
Gm16	5083695	5084655 Gmdrm	hypo	CHH	-0.1887
Gm16	5091834	5092826 Gmdrm	hypo	CHH	-0.026
Gm16	5097245	5098221 Gmdrm	hypo	CHH	-0.0272
Gm16	5108341	5109339 Gmdrm	hypo	CHH	-0.0216
Gm16	5109346	5110344 Gmdrm	hypo	CHH	-0.0195
Gm16	5117649	5118644 Gmdrm	hypo	CHH	-0.0161
Gm16	5118650	5119649 Gmdrm	hypo	CHH	-0.0555
Gm16	5119651	5120649 Gmdrm	hypo	CHH	-0.0521
Gm16	5120659	5121646 Gmdrm	hypo	CHH	-0.0185
Gm16	5132686	5133683 Gmdrm	hypo	CHH	-0.1192
Gm16	5146903	5147902 Gmdrm	hypo	CHH	-0.1138
Gm16	5151009	5152004 Gmdrm	hypo	CHH	-0.0216
Gm16	5158767	5159766 Gmdrm	hypo	CHH	-0.1191
Gm16	5160937	5161885 Gmdrm	hypo	CHH	-0.0424
Gm16	5164020	5165019 Gmdrm	hypo	CHH	-0.1876
Gm16	5166065	5166793 Gmdrm	hypo	CHH	-0.0235
Gm16	5168098	5168814 Gmdrm	hypo	CHH	-0.0326
Gm16	5177058	5178048 Gmdrm	hypo	CHH	-0.0167
Gm16	5181077	5181473 Gmdrm	hypo	CHH	-0.0318
Gm16	5198126	5199120 Gmdrm	hypo	CHH	-0.1241
Gm16	5202901	5203214 Gmdrm	hypo	CHH	-0.0364
Gm16	5226185	5227180 Gmdrm	hypo	CHH	-0.0275
Gm16	5230587	5231559 Gmdrm	hypo	CHH	-0.0106
Gm16	5233093	5234087 Gmdrm	hypo	CHH	-0.0791
Gm16	5234096	5234655 Gmdrm	hypo	CHH	-0.0992
Gm16	5246247	5247234 Gmdrm	hypo	CHH	-0.0393
Gm16	5247248	5248050 Gmdrm	hypo	CHH	-0.0588
Gm16	5248375	5249362 Gmdrm	hypo	CHH	-0.0355
Gm16	5249894	5250893 Gmdrm	hypo	CHH	-0.183
Gm16	5254952	5255807 Gmdrm	hypo	CHH	-0.1885
Gm16	5255908	5256897 Gmdrm	hypo	CHH	-0.0313

Gm16	5272493	5273492	Gmdrm	hypo	CHH	-0.2189
Gm16	5273501	5273936	Gmdrm	hypo	CHH	-0.2191
Gm16	5283340	5284330	Gmdrm	hypo	CHH	-0.0117
Gm16	5286394	5287382	Gmdrm	hypo	CHH	-0.0215
Gm16	5298989	5299982	Gmdrm	hypo	CHH	-0.0145
Gm16	5301210	5302176	Gmdrm	hypo	CHH	-0.0216
Gm16	5304397	5305388	Gmdrm	hypo	CHH	-0.0267
Gm16	5305398	5306393	Gmdrm	hypo	CHH	-0.013
Gm16	5308944	5309944	Gmdrm	hypo	CHH	-0.0303
Gm16	5312958	5313687	Gmdrm	hypo	CHH	-0.1004
Gm16	5315151	5316147	Gmdrm	hypo	CHH	-0.1539
Gm16	5316158	5317127	Gmdrm	hypo	CHH	-0.0753
Gm16	5323426	5324154	Gmdrm	hypo	CHH	-0.0268
Gm16	5330467	5331460	Gmdrm	hypo	CHH	-0.03
Gm16	5339411	5340353	Gmdrm	hypo	CHH	-0.0132
Gm16	5340413	5341389	Gmdrm	hypo	CHH	-0.0188
Gm16	5357052	5358045	Gmdrm	hypo	CHH	-0.0473
Gm16	5358057	5359049	Gmdrm	hypo	CHH	-0.0275
Gm16	5371527	5372527	Gmdrm	hypo	CHH	-0.0237
Gm16	5375576	5376558	Gmdrm	hypo	CHH	-0.0158
Gm16	5381596	5382571	Gmdrm	hypo	CHH	-0.0928
Gm16	5385462	5386442	Gmdrm	hypo	CHH	-0.0147
Gm16	5394514	5395051	Gmdrm	hypo	CHH	-0.0177
Gm16	5413198	5414181	Gmdrm	hypo	CHH	-0.0113
Gm16	5418240	5419198	Gmdrm	hypo	CHH	-0.0181
Gm16	5420892	5421890	Gmdrm	hypo	CHH	-0.0526
Gm16	5421895	5422237	Gmdrm	hypo	CHH	-0.1647
Gm16	5431294	5432291	Gmdrm	hypo	CHH	-0.019
Gm16	5444927	5445922	Gmdrm	hypo	CHH	-0.2423
Gm16	5473657	5474643	Gmdrm	hypo	CHH	-0.1639
Gm16	5474661	5475661	Gmdrm	hypo	CHH	-0.1159
Gm16	5475681	5476678	Gmdrm	hypo	CHH	-0.0325
Gm16	5476685	5477666	Gmdrm	hypo	CHH	-0.049
Gm16	5478718	5479716	Gmdrm	hypo	CHH	-0.0468
Gm16	5479719	5480707	Gmdrm	hypo	CHH	-0.0604
Gm16	5485814	5486813	Gmdrm	hypo	CHH	-0.0188
Gm16	5490265	5491265	Gmdrm	hypo	CHH	-0.047
Gm16	5492332	5493326	Gmdrm	hypo	CHH	-0.0229
Gm16	5499535	5500529	Gmdrm	hypo	CHH	-0.0195
Gm16	5505851	5505901	Gmdrm	hypo	CHH	-0.3967
Gm16	5508478	5509474	Gmdrm	hypo	CHH	-0.0368
Gm16	5509480	5509973	Gmdrm	hypo	CHH	-0.0266
Gm16	5517496	5518492	Gmdrm	hypo	CHH	-0.0167
Gm16	5530168	5531142	Gmdrm	hypo	CHH	-0.018
Gm16	5531196	5532175	Gmdrm	hypo	CHH	-0.0488
Gm16	5532203	5533189	Gmdrm	hypo	CHH	-0.0193

Gm16	5535561	5536556 Gmdrm	hypo	CHH	-0.0127
Gm16	5536574	5537572 Gmdrm	hypo	CHH	-0.0359
Gm16	5537581	5538334 Gmdrm	hypo	CHH	-0.2854
Gm16	5546841	5547837 Gmdrm	hypo	CHH	-0.1439
Gm16	5549850	5550570 Gmdrm	hypo	CHH	-0.1245
Gm16	5550736	5551709 Gmdrm	hypo	CHH	-0.121
Gm16	5551773	5551999 Gmdrm	hypo	CHH	-0.085
Gm16	5558227	5558610 Gmdrm	hypo	CHH	-0.0228
Gm16	5559848	5560838 Gmdrm	hypo	CHH	-0.0709
Gm16	5563851	5564834 Gmdrm	hypo	CHH	-0.0161
Gm16	5564995	5565626 Gmdrm	hypo	CHH	-0.0316
Gm16	5565973	5566973 Gmdrm	hypo	CHH	-0.0816
Gm16	5570998	5571992 Gmdrm	hypo	CHH	-0.0439
Gm16	5572013	5573012 Gmdrm	hypo	CHH	-0.0121
Gm16	5573018	5574016 Gmdrm	hypo	CHH	-0.0364
Gm16	5578014	5578929 Gmdrm	hypo	CHH	-0.0269
Gm16	5581092	5582077 Gmdrm	hypo	CHH	-0.1542
Gm16	5587747	5588743 Gmdrm	hypo	CHH	-0.0182
Gm16	5588753	5589753 Gmdrm	hypo	CHH	-0.0464
Gm16	5593980	5594833 Gmdrm	hypo	CHH	-0.0182
Gm16	5594953	5595953 Gmdrm	hypo	CHH	-0.0167
Gm16	5595955	5596952 Gmdrm	hypo	CHH	-0.0265
Gm16	5603578	5604576 Gmdrm	hypo	CHH	-0.0556
Gm16	5604604	5605584 Gmdrm	hypo	CHH	-0.0166
Gm16	5606731	5607722 Gmdrm	hypo	CHH	-0.096
Gm16	5613471	5613935 Gmdrm	hypo	CHH	-0.096
Gm16	5615419	5616412 Gmdrm	hypo	CHH	-0.0288
Gm16	5616421	5617412 Gmdrm	hypo	CHH	-0.0452
Gm16	5628531	5629017 Gmdrm	hypo	CHH	-0.0289
Gm16	5630701	5631683 Gmdrm	hypo	CHH	-0.0155
Gm16	5631709	5632694 Gmdrm	hypo	CHH	-0.0127
Gm16	5632711	5633623 Gmdrm	hypo	CHH	-0.4705
Gm16	5635403	5636387 Gmdrm	hypo	CHH	-0.0162
Gm16	5638670	5639667 Gmdrm	hypo	CHH	-0.3048
Gm16	5648450	5648790 Gmdrm	hypo	CHH	-0.0423
Gm16	5651170	5652166 Gmdrm	hypo	CHH	-0.0729
Gm16	5652171	5653168 Gmdrm	hypo	CHH	-0.1264
Gm16	5654635	5655594 Gmdrm	hypo	CHH	-0.0195
Gm16	5658919	5659901 Gmdrm	hypo	CHH	-0.1265
Gm16	5659920	5660904 Gmdrm	hypo	CHH	-0.1434
Gm16	5671134	5671302 Gmdrm	hypo	CHH	-0.035
Gm16	5672449	5673440 Gmdrm	hypo	CHH	-0.0106
Gm16	5677546	5678544 Gmdrm	hypo	CHH	-0.0468
Gm16	5678549	5679531 Gmdrm	hypo	CHH	-0.1391
Gm16	5679550	5680538 Gmdrm	hypo	CHH	-0.0154
Gm16	5684896	5685895 Gmdrm	hypo	CHH	-0.028

Gm16	5706778	5707761 Gmdrm	hypo	CHH	-0.0285
Gm16	5707796	5708270 Gmdrm	hypo	CHH	-0.0257
Gm16	5710498	5711478 Gmdrm	hypo	CHH	-0.0188
Gm16	5713600	5714544 Gmdrm	hypo	CHH	-0.2284
Gm16	5721089	5722077 Gmdrm	hypo	CHH	-0.0234
Gm16	5724110	5725100 Gmdrm	hypo	CHH	-0.017
Gm16	5730373	5731373 Gmdrm	hypo	CHH	-0.0151
Gm16	5731378	5732369 Gmdrm	hypo	CHH	-0.202
Gm16	5735478	5736429 Gmdrm	hypo	CHH	-0.0227
Gm16	5746445	5747427 Gmdrm	hypo	CHH	-0.0313
Gm16	5753009	5754000 Gmdrm	hypo	CHH	-0.0942
Gm16	5754014	5754982 Gmdrm	hypo	CHH	-0.0527
Gm16	5755611	5756601 Gmdrm	hypo	CHH	-0.0146
Gm16	5756619	5756998 Gmdrm	hypo	CHH	-0.04
Gm16	5759936	5760930 Gmdrm	hypo	CHH	-0.0195
Gm16	5769144	5770143 Gmdrm	hypo	CHH	-0.0256
Gm16	5774266	5775223 Gmdrm	hypo	CHH	-0.0166
Gm16	5779422	5780418 Gmdrm	hypo	CHH	-0.074
Gm16	5783885	5784534 Gmdrm	hypo	CHH	-0.1616
Gm16	5786931	5787930 Gmdrm	hypo	CHH	-0.155
Gm16	5787933	5788601 Gmdrm	hypo	CHH	-0.0681
Gm16	5792294	5793293 Gmdrm	hypo	CHH	-0.0179
Gm16	5799090	5799349 Gmdrm	hypo	CHH	-0.0152
Gm16	5811529	5812498 Gmdrm	hypo	CHH	-0.0117
Gm16	5812545	5813545 Gmdrm	hypo	CHH	-0.0641
Gm16	5813547	5814440 Gmdrm	hypo	CHH	-0.0464
Gm16	5817059	5818053 Gmdrm	hypo	CHH	-0.0527
Gm16	5822913	5823884 Gmdrm	hypo	CHH	-0.0146
Gm16	5824664	5825658 Gmdrm	hypo	CHH	-0.238
Gm16	5827311	5828084 Gmdrm	hypo	CHH	-0.0446
Gm16	5828202	5829158 Gmdrm	hypo	CHH	-0.0275
Gm16	5834943	5835938 Gmdrm	hypo	CHH	-0.0326
Gm16	5835950	5836947 Gmdrm	hypo	CHH	-0.0365
Gm16	5836971	5837968 Gmdrm	hypo	CHH	-0.0379
Gm16	5857129	5858118 Gmdrm	hypo	CHH	-0.0467
Gm16	5860109	5861038 Gmdrm	hypo	CHH	-0.0374
Gm16	5874478	5875472 Gmdrm	hypo	CHH	-0.0402
Gm16	5886634	5887616 Gmdrm	hypo	CHH	-0.0755
Gm16	5887645	5888629 Gmdrm	hypo	CHH	-0.0288
Gm16	5888650	5889645 Gmdrm	hypo	CHH	-0.0412
Gm16	5889652	5890639 Gmdrm	hypo	CHH	-0.0318
Gm16	5890664	5891480 Gmdrm	hypo	CHH	-0.0964
Gm16	5895779	5896771 Gmdrm	hypo	CHH	-0.0384
Gm16	5896787	5897769 Gmdrm	hypo	CHH	-0.032
Gm16	5899823	5900814 Gmdrm	hypo	CHH	-0.054
Gm16	5900837	5901837 Gmdrm	hypo	CHH	-0.1856

Gm16	5907910	5908896 Gmdrm	hypo	CHH	-0.0175
Gm16	5916483	5917466 Gmdrm	hypo	CHH	-0.0228
Gm16	5932313	5932776 Gmdrm	hypo	CHH	-0.0535
Gm16	5934185	5935171 Gmdrm	hypo	CHH	-0.0288
Gm16	5949314	5950293 Gmdrm	hypo	CHH	-0.0245
Gm16	5953646	5954305 Gmdrm	hypo	CHH	-0.0258
Gm16	5957480	5957781 Gmdrm	hypo	CHH	-0.0296
Gm16	5962735	5963718 Gmdrm	hypo	CHH	-0.0161
Gm16	5977052	5978051 Gmdrm	hypo	CHH	-0.0161
Gm16	5987278	5988277 Gmdrm	hypo	CHH	-0.0155
Gm16	5988292	5989277 Gmdrm	hypo	CHH	-0.056
Gm16	5989936	5990919 Gmdrm	hypo	CHH	-0.0661
Gm16	5990940	5991907 Gmdrm	hypo	CHH	-0.0247
Gm16	5994694	5995692 Gmdrm	hypo	CHH	-0.0208
Gm16	6002029	6002452 Gmdrm	hypo	CHH	-0.04
Gm16	6002647	6003373 Gmdrm	hypo	CHH	-0.0164
Gm16	6007708	6008245 Gmdrm	hypo	CHH	-0.0821
Gm16	6020366	6020827 Gmdrm	hypo	CHH	-0.0233
Gm16	6020936	6021565 Gmdrm	hypo	CHH	-0.0278
Gm16	6032356	6033230 Gmdrm	hypo	CHH	-0.0156
Gm16	6035031	6035956 Gmdrm	hypo	CHH	-0.0177
Gm16	6038553	6039539 Gmdrm	hypo	CHH	-0.0217
Gm16	6041155	6042147 Gmdrm	hypo	CHH	-0.0359
Gm16	6042156	6043147 Gmdrm	hypo	CHH	-0.0642
Gm16	6043157	6044149 Gmdrm	hypo	CHH	-0.0729
Gm16	6044161	6045159 Gmdrm	hypo	CHH	-0.1143
Gm16	6045165	6046129 Gmdrm	hypo	CHH	-0.1294
Gm16	6047033	6047310 Gmdrm	hypo	CHH	-0.05
Gm16	6062607	6063237 Gmdrm	hypo	CHH	-0.3612
Gm16	6063420	6063937 Gmdrm	hypo	CHH	-0.4503
Gm16	6073457	6074221 Gmdrm	hypo	CHH	-0.0432
Gm16	6075752	6076574 Gmdrm	hypo	CHH	-0.0221
Gm16	6086143	6087114 Gmdrm	hypo	CHH	-0.0885
Gm16	6090077	6090746 Gmdrm	hypo	CHH	-0.1477
Gm16	6094079	6094512 Gmdrm	hypo	CHH	-0.0266
Gm16	6095688	6096671 Gmdrm	hypo	CHH	-0.0914
Gm16	6096689	6097685 Gmdrm	hypo	CHH	-0.0149
Gm16	6099427	6100422 Gmdrm	hypo	CHH	-0.1743
Gm16	6103465	6104454 Gmdrm	hypo	CHH	-0.1592
Gm16	6104686	6105667 Gmdrm	hypo	CHH	-0.0423
Gm16	6106126	6106938 Gmdrm	hypo	CHH	-0.1073
Gm16	6112006	6113003 Gmdrm	hypo	CHH	-0.0551
Gm16	6113016	6113351 Gmdrm	hypo	CHH	-0.1514
Gm16	6113702	6114696 Gmdrm	hypo	CHH	-0.1597
Gm16	6119068	6120062 Gmdrm	hypo	CHH	-0.0396
Gm16	6121141	6122128 Gmdrm	hypo	CHH	-0.0215

Gm16	6122173	6123170 Gmdrm	hypo	CHH	-0.0204
Gm16	6123183	6124176 Gmdrm	hypo	CHH	-0.071
Gm16	6124196	6125193 Gmdrm	hypo	CHH	-0.0327
Gm16	6126265	6127265 Gmdrm	hypo	CHH	-0.0358
Gm16	6136856	6137832 Gmdrm	hypo	CHH	-0.0992
Gm16	6137862	6138739 Gmdrm	hypo	CHH	-0.0647
Gm16	6148313	6148811 Gmdrm	hypo	CHH	-0.0186
Gm16	6149030	6150023 Gmdrm	hypo	CHH	-0.0751
Gm16	6151069	6152021 Gmdrm	hypo	CHH	-0.0314
Gm16	6152095	6153093 Gmdrm	hypo	CHH	-0.0471
Gm16	6159999	6160898 Gmdrm	hypo	CHH	-0.0215
Gm16	6162687	6163686 Gmdrm	hypo	CHH	-0.0481
Gm16	6163698	6164683 Gmdrm	hypo	CHH	-0.0245
Gm16	6165766	6166708 Gmdrm	hypo	CHH	-0.0144
Gm16	6176135	6177118 Gmdrm	hypo	CHH	-0.0571
Gm16	6209345	6210331 Gmdrm	hypo	CHH	-0.053
Gm16	6210352	6211347 Gmdrm	hypo	CHH	-0.0563
Gm16	6220134	6221129 Gmdrm	hypo	CHH	-0.0325
Gm16	6221156	6222149 Gmdrm	hypo	CHH	-0.0527
Gm16	6222181	6222710 Gmdrm	hypo	CHH	-0.0247
Gm16	6229940	6230923 Gmdrm	hypo	CHH	-0.1277
Gm16	6231993	6232980 Gmdrm	hypo	CHH	-0.0971
Gm16	6234035	6235016 Gmdrm	hypo	CHH	-0.018
Gm16	6243359	6243686 Gmdrm	hypo	CHH	-0.0719
Gm16	6245265	6246243 Gmdrm	hypo	CHH	-0.0436
Gm16	6251778	6252725 Gmdrm	hypo	CHH	-0.0202
Gm16	6252801	6253800 Gmdrm	hypo	CHH	-0.0325
Gm16	6254806	6255797 Gmdrm	hypo	CHH	-0.05
Gm16	6256496	6257460 Gmdrm	hypo	CHH	-0.0188
Gm16	6263736	6264735 Gmdrm	hypo	CHH	-0.0345
Gm16	6264737	6265737 Gmdrm	hypo	CHH	-0.0612
Gm16	6273095	6274079 Gmdrm	hypo	CHH	-0.0353
Gm16	6274106	6275087 Gmdrm	hypo	CHH	-0.0199
Gm16	6275111	6275877 Gmdrm	hypo	CHH	-0.1151
Gm16	6279062	6279960 Gmdrm	hypo	CHH	-0.0153
Gm16	6282799	6283792 Gmdrm	hypo	CHH	-0.0241
Gm16	6283808	6284776 Gmdrm	hypo	CHH	-0.0682
Gm16	6284816	6285803 Gmdrm	hypo	CHH	-0.0159
Gm16	6289478	6289946 Gmdrm	hypo	CHH	-0.0564
Gm16	6290066	6291061 Gmdrm	hypo	CHH	-0.1877
Gm16	6291067	6291416 Gmdrm	hypo	CHH	-0.0864
Gm16	6294464	6295464 Gmdrm	hypo	CHH	-0.0103
Gm16	6295467	6296442 Gmdrm	hypo	CHH	-0.0226
Gm16	6303275	6304269 Gmdrm	hypo	CHH	-0.0193
Gm16	6308396	6309385 Gmdrm	hypo	CHH	-0.0133
Gm16	6310409	6311325 Gmdrm	hypo	CHH	-0.0806

Gm16	6316465	6317461 Gmdrm	hypo	CHH	-0.0404
Gm16	6335593	6335836 Gmdrm	hypo	CHH	-0.1188
Gm16	6339901	6340900 Gmdrm	hypo	CHH	-0.0509
Gm16	6349368	6350356 Gmdrm	hypo	CHH	-0.2782
Gm16	6351958	6352802 Gmdrm	hypo	CHH	-0.0304
Gm16	6363059	6363623 Gmdrm	hypo	CHH	-0.0428
Gm16	6369994	6370210 Gmdrm	hypo	CHH	-0.038
Gm16	6371945	6372941 Gmdrm	hypo	CHH	-0.1621
Gm16	6375403	6376391 Gmdrm	hypo	CHH	-0.0244
Gm16	6376408	6377376 Gmdrm	hypo	CHH	-0.0214
Gm16	6379303	6380296 Gmdrm	hypo	CHH	-0.03
Gm16	6387353	6387888 Gmdrm	hypo	CHH	-0.0455
Gm16	6393694	6393932 Gmdrm	hypo	CHH	-0.026
Gm16	6395676	6396668 Gmdrm	hypo	CHH	-0.0166
Gm16	6402950	6403280 Gmdrm	hypo	CHH	-0.0889
Gm16	6403597	6404579 Gmdrm	hypo	CHH	-0.0591
Gm16	6404604	6405601 Gmdrm	hypo	CHH	-0.0417
Gm16	6409693	6410248 Gmdrm	hypo	CHH	-0.2367
Gm16	6411915	6412897 Gmdrm	hypo	CHH	-0.05
Gm16	6412953	6413264 Gmdrm	hypo	CHH	-0.035
Gm16	6413983	6414833 Gmdrm	hypo	CHH	-0.0616
Gm16	6415203	6416199 Gmdrm	hypo	CHH	-0.0309
Gm16	6417273	6418267 Gmdrm	hypo	CHH	-0.031
Gm16	6418277	6419271 Gmdrm	hypo	CHH	-0.0267
Gm16	6419280	6420278 Gmdrm	hypo	CHH	-0.076
Gm16	6421302	6422296 Gmdrm	hypo	CHH	-0.0729
Gm16	6423272	6423834 Gmdrm	hypo	CHH	-0.1359
Gm16	6424159	6425158 Gmdrm	hypo	CHH	-0.0246
Gm16	6433491	6434490 Gmdrm	hypo	CHH	-0.1157
Gm16	6434493	6435467 Gmdrm	hypo	CHH	-0.1138
Gm16	6437179	6438176 Gmdrm	hypo	CHH	-0.0244
Gm16	6439319	6440307 Gmdrm	hypo	CHH	-0.0146
Gm16	6440324	6440488 Gmdrm	hypo	CHH	-0.0386
Gm16	6445503	6446502 Gmdrm	hypo	CHH	-0.0503
Gm16	6446505	6447478 Gmdrm	hypo	CHH	-0.0934
Gm16	6453970	6454969 Gmdrm	hypo	CHH	-0.0351
Gm16	6454981	6455972 Gmdrm	hypo	CHH	-0.017
Gm16	6456007	6456982 Gmdrm	hypo	CHH	-0.0132
Gm16	6463513	6464511 Gmdrm	hypo	CHH	-0.0931
Gm16	6464544	6465509 Gmdrm	hypo	CHH	-0.0753
Gm16	6465555	6465957 Gmdrm	hypo	CHH	-0.0436
Gm16	6471193	6472184 Gmdrm	hypo	CHH	-0.2533
Gm16	6472201	6473194 Gmdrm	hypo	CHH	-0.0571
Gm16	6516137	6517125 Gmdrm	hypo	CHH	-0.0796
Gm16	6517157	6518105 Gmdrm	hypo	CHH	-0.0929
Gm16	6522871	6523871 Gmdrm	hypo	CHH	-0.0313

Gm16	6523887	6524874	Gmdrm	hypo	CHH	-0.0482
Gm16	6542028	6543025	Gmdrm	hypo	CHH	-0.0511
Gm16	6543309	6544294	Gmdrm	hypo	CHH	-0.0207
Gm16	6546671	6547103	Gmdrm	hypo	CHH	-0.0289
Gm16	6548840	6549839	Gmdrm	hypo	CHH	-0.0191
Gm16	6554914	6554970	Gmdrm	hypo	CHH	-0.0483
Gm16	6557788	6558769	Gmdrm	hypo	CHH	-0.018
Gm16	6558931	6559924	Gmdrm	hypo	CHH	-0.0347
Gm16	6567880	6568874	Gmdrm	hypo	CHH	-0.0772
Gm16	6579764	6580763	Gmdrm	hypo	CHH	-0.0463
Gm16	6586822	6587816	Gmdrm	hypo	CHH	-0.0745
Gm16	6587829	6588829	Gmdrm	hypo	CHH	-0.033
Gm16	6594187	6595182	Gmdrm	hypo	CHH	-0.1091
Gm16	6596212	6597157	Gmdrm	hypo	CHH	-0.0211
Gm16	6626172	6627160	Gmdrm	hypo	CHH	-0.0268
Gm16	6628118	6629081	Gmdrm	hypo	CHH	-0.1681
Gm16	6630132	6631128	Gmdrm	hypo	CHH	-0.1108
Gm16	6639283	6640245	Gmdrm	hypo	CHH	-0.3233
Gm16	6653781	6654382	Gmdrm	hypo	CHH	-0.0517
Gm16	6654499	6655494	Gmdrm	hypo	CHH	-0.0341
Gm16	6658612	6659592	Gmdrm	hypo	CHH	-0.1281
Gm16	6660651	6661573	Gmdrm	hypo	CHH	-0.0154
Gm16	6664694	6665632	Gmdrm	hypo	CHH	-0.0485
Gm16	6665739	6666728	Gmdrm	hypo	CHH	-0.0425
Gm16	6669746	6670691	Gmdrm	hypo	CHH	-0.1291
Gm16	6682333	6683330	Gmdrm	hypo	CHH	-0.0178
Gm16	6684355	6685335	Gmdrm	hypo	CHH	-0.0548
Gm16	6689851	6690244	Gmdrm	hypo	CHH	-0.045
Gm16	6697234	6698232	Gmdrm	hypo	CHH	-0.0263
Gm16	6698238	6698376	Gmdrm	hypo	CHH	-0.0675
Gm16	6698627	6699135	Gmdrm	hypo	CHH	-0.0602
Gm16	6704673	6705668	Gmdrm	hypo	CHH	-0.0514
Gm16	6705684	6706682	Gmdrm	hypo	CHH	-0.0724
Gm16	6706689	6707111	Gmdrm	hypo	CHH	-0.1788
Gm16	6707564	6708564	Gmdrm	hypo	CHH	-0.0662
Gm16	6711899	6712894	Gmdrm	hypo	CHH	-0.0447
Gm16	6712903	6713784	Gmdrm	hypo	CHH	-0.0801
Gm16	6720380	6721379	Gmdrm	hypo	CHH	-0.1131
Gm16	6723397	6724391	Gmdrm	hypo	CHH	-0.0368
Gm16	6728989	6729942	Gmdrm	hypo	CHH	-0.0124
Gm16	6731025	6731896	Gmdrm	hypo	CHH	-0.0303
Gm16	6732193	6733151	Gmdrm	hypo	CHH	-0.1467
Gm16	6734902	6735899	Gmdrm	hypo	CHH	-0.0148
Gm16	6735910	6736909	Gmdrm	hypo	CHH	-0.0365
Gm16	6736913	6737898	Gmdrm	hypo	CHH	-0.0188
Gm16	6737923	6738372	Gmdrm	hypo	CHH	-0.0692

Gm16	6739496	6740490	Gmdrm	hypo	CHH	-0.0272
Gm16	6747291	6748290	Gmdrm	hypo	CHH	-0.0782
Gm16	6757557	6758555	Gmdrm	hypo	CHH	-0.0252
Gm16	6761591	6762583	Gmdrm	hypo	CHH	-0.0215
Gm16	6768694	6769666	Gmdrm	hypo	CHH	-0.0843
Gm16	6769697	6770697	Gmdrm	hypo	CHH	-0.0891
Gm16	6772772	6773759	Gmdrm	hypo	CHH	-0.0641
Gm16	6775518	6776507	Gmdrm	hypo	CHH	-0.0205
Gm16	6777561	6778559	Gmdrm	hypo	CHH	-0.0412
Gm16	6788054	6789019	Gmdrm	hypo	CHH	-0.0821
Gm16	6793348	6794316	Gmdrm	hypo	CHH	-0.015
Gm16	6795372	6795494	Gmdrm	hypo	CHH	-0.0262
Gm16	6809416	6810412	Gmdrm	hypo	CHH	-0.0301
Gm16	6820986	6821977	Gmdrm	hypo	CHH	-0.0159
Gm16	6821997	6822996	Gmdrm	hypo	CHH	-0.0461
Gm16	6823006	6824003	Gmdrm	hypo	CHH	-0.0614
Gm16	6824023	6825022	Gmdrm	hypo	CHH	-0.1076
Gm16	6829415	6830375	Gmdrm	hypo	CHH	-0.0744
Gm16	6830418	6831397	Gmdrm	hypo	CHH	-0.0119
Gm16	6832297	6833293	Gmdrm	hypo	CHH	-0.0165
Gm16	6841821	6842820	Gmdrm	hypo	CHH	-0.0456
Gm16	6859264	6860258	Gmdrm	hypo	CHH	-0.1096
Gm16	6863322	6864301	Gmdrm	hypo	CHH	-0.0286
Gm16	6865539	6866484	Gmdrm	hypo	CHH	-0.0993
Gm16	6872611	6873596	Gmdrm	hypo	CHH	-0.028
Gm16	6893278	6894251	Gmdrm	hypo	CHH	-0.0304
Gm16	6894298	6895295	Gmdrm	hypo	CHH	-0.0253
Gm16	6902540	6903535	Gmdrm	hypo	CHH	-0.022
Gm16	6903559	6904554	Gmdrm	hypo	CHH	-0.0362
Gm16	6904575	6905566	Gmdrm	hypo	CHH	-0.0244
Gm16	6927172	6928164	Gmdrm	hypo	CHH	-0.062
Gm16	6928175	6928610	Gmdrm	hypo	CHH	-0.0321
Gm16	6958540	6959440	Gmdrm	hypo	CHH	-0.1583
Gm16	6967377	6968144	Gmdrm	hypo	CHH	-0.2574
Gm16	6988503	6989479	Gmdrm	hypo	CHH	-0.0218
Gm16	6989511	6990506	Gmdrm	hypo	CHH	-0.0216
Gm16	6992194	6993191	Gmdrm	hypo	CHH	-0.0134
Gm16	6993197	6994162	Gmdrm	hypo	CHH	-0.0216
Gm16	6994202	6995194	Gmdrm	hypo	CHH	-0.0781
Gm16	6995212	6996212	Gmdrm	hypo	CHH	-0.0841
Gm16	6997226	6998225	Gmdrm	hypo	CHH	-0.0393
Gm16	6999242	7000241	Gmdrm	hypo	CHH	-0.059
Gm16	7000246	7001246	Gmdrm	hypo	CHH	-0.0563
Gm16	7002250	7003231	Gmdrm	hypo	CHH	-0.0164
Gm16	7007345	7007881	Gmdrm	hypo	CHH	-0.0285
Gm16	7010342	7011332	Gmdrm	hypo	CHH	-0.051

Gm16	7011343	7012342 Gmdrm	hypo	CHH	-0.0865
Gm16	7013398	7014393 Gmdrm	hypo	CHH	-0.0671
Gm16	7014411	7015383 Gmdrm	hypo	CHH	-0.0195
Gm16	7015444	7016439 Gmdrm	hypo	CHH	-0.0108
Gm16	7017489	7018488 Gmdrm	hypo	CHH	-0.0235
Gm16	7018499	7019494 Gmdrm	hypo	CHH	-0.0205
Gm16	7032421	7033420 Gmdrm	hypo	CHH	-0.0384
Gm16	7033426	7034407 Gmdrm	hypo	CHH	-0.0418
Gm16	7036459	7037450 Gmdrm	hypo	CHH	-0.0406
Gm16	7037465	7038463 Gmdrm	hypo	CHH	-0.0754
Gm16	7038475	7039466 Gmdrm	hypo	CHH	-0.0781
Gm16	7064251	7065251 Gmdrm	hypo	CHH	-0.0531
Gm16	7067265	7068263 Gmdrm	hypo	CHH	-0.0742
Gm16	7068267	7069249 Gmdrm	hypo	CHH	-0.1055
Gm16	7076798	7077796 Gmdrm	hypo	CHH	-0.017
Gm16	7078826	7079805 Gmdrm	hypo	CHH	-0.0604
Gm16	7084880	7085868 Gmdrm	hypo	CHH	-0.0899
Gm16	7088825	7089822 Gmdrm	hypo	CHH	-0.1521
Gm16	7089828	7090828 Gmdrm	hypo	CHH	-0.1162
Gm16	7090829	7091695 Gmdrm	hypo	CHH	-0.0188
Gm16	7096052	7097052 Gmdrm	hypo	CHH	-0.0781
Gm16	7097054	7098015 Gmdrm	hypo	CHH	-0.0644
Gm16	7102484	7103477 Gmdrm	hypo	CHH	-0.0669
Gm16	7103489	7104429 Gmdrm	hypo	CHH	-0.0511
Gm16	7107387	7108373 Gmdrm	hypo	CHH	-0.0166
Gm16	7112573	7113318 Gmdrm	hypo	CHH	-0.033
Gm16	7113443	7114433 Gmdrm	hypo	CHH	-0.022
Gm16	7127426	7127612 Gmdrm	hypo	CHH	-0.053
Gm16	7137296	7138239 Gmdrm	hypo	CHH	-0.0462
Gm16	7140335	7141328 Gmdrm	hypo	CHH	-0.1217
Gm16	7141336	7142324 Gmdrm	hypo	CHH	-0.1313
Gm16	7142337	7143334 Gmdrm	hypo	CHH	-0.0614
Gm16	7143347	7144334 Gmdrm	hypo	CHH	-0.0644
Gm16	7144373	7145322 Gmdrm	hypo	CHH	-0.0137
Gm16	7152467	7152904 Gmdrm	hypo	CHH	-0.0384
Gm16	7153231	7153562 Gmdrm	hypo	CHH	-0.0394
Gm16	7154668	7155654 Gmdrm	hypo	CHH	-0.0303
Gm16	7156703	7157703 Gmdrm	hypo	CHH	-0.0504
Gm16	7157704	7158656 Gmdrm	hypo	CHH	-0.0337
Gm16	7158749	7159745 Gmdrm	hypo	CHH	-0.0366
Gm16	7159754	7160743 Gmdrm	hypo	CHH	-0.0598
Gm16	7160755	7161751 Gmdrm	hypo	CHH	-0.0363
Gm16	7162760	7163741 Gmdrm	hypo	CHH	-0.0511
Gm16	7163768	7164753 Gmdrm	hypo	CHH	-0.0689
Gm16	7164873	7165872 Gmdrm	hypo	CHH	-0.1068
Gm16	7165895	7166616 Gmdrm	hypo	CHH	-0.0572

Gm16	7166724	7166863 Gmdrm	hypo	CHH	-0.0363
Gm16	7170634	7171634 Gmdrm	hypo	CHH	-0.0227
Gm16	7179509	7179876 Gmdrm	hypo	CHH	-0.0539
Gm16	7180719	7181713 Gmdrm	hypo	CHH	-0.1083
Gm16	7198528	7199526 Gmdrm	hypo	CHH	-0.0314
Gm16	7203333	7204286 Gmdrm	hypo	CHH	-0.0288
Gm16	7214103	7215102 Gmdrm	hypo	CHH	-0.1126
Gm16	7220002	7221001 Gmdrm	hypo	CHH	-0.0198
Gm16	7221055	7222040 Gmdrm	hypo	CHH	-0.017
Gm16	7225236	7226209 Gmdrm	hypo	CHH	-0.0215
Gm16	7226254	7227232 Gmdrm	hypo	CHH	-0.0211
Gm16	7227267	7228243 Gmdrm	hypo	CHH	-0.0127
Gm16	7229318	7230295 Gmdrm	hypo	CHH	-0.0185
Gm16	7232280	7232359 Gmdrm	hypo	CHH	-0.3192
Gm16	7232491	7233054 Gmdrm	hypo	CHH	-0.278
Gm16	7237477	7238397 Gmdrm	hypo	CHH	-0.0176
Gm16	7249510	7250500 Gmdrm	hypo	CHH	-0.0267
Gm16	7283212	7284131 Gmdrm	hypo	CHH	-0.1023
Gm16	7284489	7285486 Gmdrm	hypo	CHH	-0.0606
Gm16	7293424	7294419 Gmdrm	hypo	CHH	-0.198
Gm16	7306224	7307203 Gmdrm	hypo	CHH	-0.12
Gm16	7311228	7312226 Gmdrm	hypo	CHH	-0.1031
Gm16	7322317	7323282 Gmdrm	hypo	CHH	-0.0201
Gm16	7323527	7324521 Gmdrm	hypo	CHH	-0.0403
Gm16	7332337	7333331 Gmdrm	hypo	CHH	-0.0163
Gm16	7333342	7334334 Gmdrm	hypo	CHH	-0.0381
Gm16	7334345	7335337 Gmdrm	hypo	CHH	-0.1115
Gm16	7335363	7335826 Gmdrm	hypo	CHH	-0.0296
Gm16	7336999	7337995 Gmdrm	hypo	CHH	-0.07
Gm16	7338003	7338488 Gmdrm	hypo	CHH	-0.037
Gm16	7339095	7340095 Gmdrm	hypo	CHH	-0.066
Gm16	7365561	7366554 Gmdrm	hypo	CHH	-0.022
Gm16	7366564	7367563 Gmdrm	hypo	CHH	-0.0525
Gm16	7372580	7373563 Gmdrm	hypo	CHH	-0.0238
Gm16	7377795	7378789 Gmdrm	hypo	CHH	-0.0635
Gm16	7378812	7379810 Gmdrm	hypo	CHH	-0.0628
Gm16	7379816	7380804 Gmdrm	hypo	CHH	-0.0553
Gm16	7380823	7381285 Gmdrm	hypo	CHH	-0.0503
Gm16	7383145	7384144 Gmdrm	hypo	CHH	-0.0376
Gm16	7385712	7385904 Gmdrm	hypo	CHH	-0.0767
Gm16	7392473	7393472 Gmdrm	hypo	CHH	-0.1433
Gm16	7397622	7398269 Gmdrm	hypo	CHH	-0.0441
Gm16	7401260	7402254 Gmdrm	hypo	CHH	-0.0437
Gm16	7416288	7417256 Gmdrm	hypo	CHH	-0.0276
Gm16	7425015	7426003 Gmdrm	hypo	CHH	-0.0514
Gm16	7430139	7431139 Gmdrm	hypo	CHH	-0.0453

Gm16	7431142	7432137 Gmdrm	hypo	CHH	-0.043
Gm16	7435957	7436954 Gmdrm	hypo	CHH	-0.027
Gm16	7436975	7437575 Gmdrm	hypo	CHH	-0.0141
Gm16	7437711	7438706 Gmdrm	hypo	CHH	-0.023
Gm16	7439738	7440726 Gmdrm	hypo	CHH	-0.1251
Gm16	7440744	7441739 Gmdrm	hypo	CHH	-0.0853
Gm16	7441745	7442739 Gmdrm	hypo	CHH	-0.0757
Gm16	7452855	7453855 Gmdrm	hypo	CHH	-0.0955
Gm16	7453863	7454589 Gmdrm	hypo	CHH	-0.1788
Gm16	7455102	7456062 Gmdrm	hypo	CHH	-0.0415
Gm16	7475433	7476415 Gmdrm	hypo	CHH	-0.0196
Gm16	7478826	7479825 Gmdrm	hypo	CHH	-0.0586
Gm16	7479827	7480826 Gmdrm	hypo	CHH	-0.0735
Gm16	7480834	7481829 Gmdrm	hypo	CHH	-0.0861
Gm16	7481836	7482637 Gmdrm	hypo	CHH	-0.1094
Gm16	7485795	7486791 Gmdrm	hypo	CHH	-0.13
Gm16	7486797	7487791 Gmdrm	hypo	CHH	-0.1166
Gm16	7487800	7488793 Gmdrm	hypo	CHH	-0.0152
Gm16	7492566	7493566 Gmdrm	hypo	CHH	-0.0843
Gm16	7493569	7494566 Gmdrm	hypo	CHH	-0.1114
Gm16	7508810	7509799 Gmdrm	hypo	CHH	-0.0144
Gm16	7509812	7510187 Gmdrm	hypo	CHH	-0.07
Gm16	7510485	7511485 Gmdrm	hypo	CHH	-0.0287
Gm16	7512490	7513487 Gmdrm	hypo	CHH	-0.0264
Gm16	7513491	7514484 Gmdrm	hypo	CHH	-0.0214
Gm16	7515517	7516515 Gmdrm	hypo	CHH	-0.0306
Gm16	7516536	7517532 Gmdrm	hypo	CHH	-0.0566
Gm16	7517541	7518536 Gmdrm	hypo	CHH	-0.0459
Gm16	7518554	7519544 Gmdrm	hypo	CHH	-0.0155
Gm16	7536757	7537723 Gmdrm	hypo	CHH	-0.024
Gm16	7546248	7547244 Gmdrm	hypo	CHH	-0.0828
Gm16	7553299	7554267 Gmdrm	hypo	CHH	-0.0165
Gm16	7565893	7566891 Gmdrm	hypo	CHH	-0.0243
Gm16	7566895	7567711 Gmdrm	hypo	CHH	-0.0903
Gm16	7572839	7573716 Gmdrm	hypo	CHH	-0.0454
Gm16	7581427	7582427 Gmdrm	hypo	CHH	-0.0345
Gm16	7582432	7583429 Gmdrm	hypo	CHH	-0.0108
Gm16	7586460	7587432 Gmdrm	hypo	CHH	-0.0236
Gm16	7588757	7588854 Gmdrm	hypo	CHH	-0.068
Gm16	7597542	7598539 Gmdrm	hypo	CHH	-0.0605
Gm16	7598546	7599540 Gmdrm	hypo	CHH	-0.0304
Gm16	7599547	7600539 Gmdrm	hypo	CHH	-0.0367
Gm16	7600559	7601554 Gmdrm	hypo	CHH	-0.0234
Gm16	7603633	7604575 Gmdrm	hypo	CHH	-0.1281
Gm16	7612897	7613894 Gmdrm	hypo	CHH	-0.0937
Gm16	7635746	7636742 Gmdrm	hypo	CHH	-0.0796

Gm16	7642759	7643754	Gmdrm	hypo	CHH	-0.0621
Gm16	7648730	7649728	Gmdrm	hypo	CHH	-0.0314
Gm16	7650736	7651223	Gmdrm	hypo	CHH	-0.0237
Gm16	7652362	7653361	Gmdrm	hypo	CHH	-0.0495
Gm16	7653366	7654330	Gmdrm	hypo	CHH	-0.2176
Gm16	7689075	7690075	Gmdrm	hypo	CHH	-0.051
Gm16	7692850	7693791	Gmdrm	hypo	CHH	-0.0307
Gm16	7710960	7711945	Gmdrm	hypo	CHH	-0.0344
Gm16	7712024	7712659	Gmdrm	hypo	CHH	-0.0365
Gm16	7713811	7714807	Gmdrm	hypo	CHH	-0.0236
Gm16	7714818	7715786	Gmdrm	hypo	CHH	-0.0182
Gm16	7719925	7720918	Gmdrm	hypo	CHH	-0.04
Gm16	7736377	7737343	Gmdrm	hypo	CHH	-0.0607
Gm16	7737422	7738384	Gmdrm	hypo	CHH	-0.0523
Gm16	7742829	7743825	Gmdrm	hypo	CHH	-0.0414
Gm16	7746858	7747858	Gmdrm	hypo	CHH	-0.0333
Gm16	7747863	7748859	Gmdrm	hypo	CHH	-0.05
Gm16	7748871	7749869	Gmdrm	hypo	CHH	-0.0227
Gm16	7750909	7751896	Gmdrm	hypo	CHH	-0.0144
Gm16	7752335	7753317	Gmdrm	hypo	CHH	-0.0228
Gm16	7753353	7753983	Gmdrm	hypo	CHH	-0.0241
Gm16	7754097	7755092	Gmdrm	hypo	CHH	-0.0636
Gm16	7763715	7764713	Gmdrm	hypo	CHH	-0.0165
Gm16	7770827	7771821	Gmdrm	hypo	CHH	-0.0394
Gm16	7781472	7782471	Gmdrm	hypo	CHH	-0.0354
Gm16	7782491	7783481	Gmdrm	hypo	CHH	-0.0589
Gm16	7786737	7787628	Gmdrm	hypo	CHH	-0.0378
Gm16	7789624	7790368	Gmdrm	hypo	CHH	-0.0264
Gm16	7797908	7798907	Gmdrm	hypo	CHH	-0.0379
Gm16	7798909	7799826	Gmdrm	hypo	CHH	-0.0326
Gm16	7802843	7802895	Gmdrm	hypo	CHH	-0.08
Gm16	7805122	7806102	Gmdrm	hypo	CHH	-0.0291
Gm16	7815822	7816818	Gmdrm	hypo	CHH	-0.0278
Gm16	7816824	7817801	Gmdrm	hypo	CHH	-0.0677
Gm16	7824925	7825925	Gmdrm	hypo	CHH	-0.056
Gm16	7831661	7832656	Gmdrm	hypo	CHH	-0.0243
Gm16	7840491	7841467	Gmdrm	hypo	CHH	-0.0273
Gm16	7852530	7853528	Gmdrm	hypo	CHH	-0.0435
Gm16	7862721	7863698	Gmdrm	hypo	CHH	-0.0393
Gm16	7887791	7888301	Gmdrm	hypo	CHH	-0.0596
Gm16	7889472	7890182	Gmdrm	hypo	CHH	-0.3253
Gm16	7890621	7891618	Gmdrm	hypo	CHH	-0.1593
Gm16	7891626	7892407	Gmdrm	hypo	CHH	-0.3383
Gm16	7892747	7893745	Gmdrm	hypo	CHH	-0.0587
Gm16	7898079	7899055	Gmdrm	hypo	CHH	-0.0443
Gm16	7901362	7902357	Gmdrm	hypo	CHH	-0.032

Gm16	7903374	7903919 Gmdrm	hypo	CHH	-0.0214
Gm16	7911555	7912555 Gmdrm	hypo	CHH	-0.0177
Gm16	7914567	7915552 Gmdrm	hypo	CHH	-0.1091
Gm16	7915577	7916005 Gmdrm	hypo	CHH	-0.1121
Gm16	7916265	7917255 Gmdrm	hypo	CHH	-0.1058
Gm16	7924028	7925024 Gmdrm	hypo	CHH	-0.0979
Gm16	7927041	7928031 Gmdrm	hypo	CHH	-0.0194
Gm16	7940682	7941677 Gmdrm	hypo	CHH	-0.0262
Gm16	7941702	7942355 Gmdrm	hypo	CHH	-0.071
Gm16	7946848	7947848 Gmdrm	hypo	CHH	-0.1081
Gm16	7947851	7948844 Gmdrm	hypo	CHH	-0.138
Gm16	7949483	7950477 Gmdrm	hypo	CHH	-0.1554
Gm16	7950489	7951486 Gmdrm	hypo	CHH	-0.0617
Gm16	7951497	7952323 Gmdrm	hypo	CHH	-0.0241
Gm16	7957521	7958501 Gmdrm	hypo	CHH	-0.0534
Gm16	7968949	7969922 Gmdrm	hypo	CHH	-0.0232
Gm16	7969983	7970975 Gmdrm	hypo	CHH	-0.1365
Gm16	7970988	7971976 Gmdrm	hypo	CHH	-0.0323
Gm16	7971994	7972957 Gmdrm	hypo	CHH	-0.0166
Gm16	7976412	7977380 Gmdrm	hypo	CHH	-0.0164
Gm16	7981781	7982756 Gmdrm	hypo	CHH	-0.0183
Gm16	7986070	7986203 Gmdrm	hypo	CHH	-0.0551
Gm16	7996843	7997768 Gmdrm	hypo	CHH	-0.0138
Gm16	8000117	8001113 Gmdrm	hypo	CHH	-0.0366
Gm16	8008740	8009725 Gmdrm	hypo	CHH	-0.0467
Gm16	8016162	8017161 Gmdrm	hypo	CHH	-0.0296
Gm16	8024855	8025848 Gmdrm	hypo	CHH	-0.1319
Gm16	8025858	8026267 Gmdrm	hypo	CHH	-0.1372
Gm16	8039865	8040838 Gmdrm	hypo	CHH	-0.1812
Gm16	8040873	8041859 Gmdrm	hypo	CHH	-0.0801
Gm16	8041913	8042913 Gmdrm	hypo	CHH	-0.0605
Gm16	8065615	8066595 Gmdrm	hypo	CHH	-0.0324
Gm16	8085840	8086512 Gmdrm	hypo	CHH	-0.043
Gm16	8113093	8114071 Gmdrm	hypo	CHH	-0.0992
Gm16	8119919	8120918 Gmdrm	hypo	CHH	-0.0329
Gm16	8120934	8121934 Gmdrm	hypo	CHH	-0.0559
Gm16	8125140	8126138 Gmdrm	hypo	CHH	-0.0998
Gm16	8126141	8127128 Gmdrm	hypo	CHH	-0.0386
Gm16	8128716	8129645 Gmdrm	hypo	CHH	-0.0286
Gm16	8133720	8134719 Gmdrm	hypo	CHH	-0.1962
Gm16	8137748	8138734 Gmdrm	hypo	CHH	-0.0594
Gm16	8151335	8152331 Gmdrm	hypo	CHH	-0.1722
Gm16	8152342	8153318 Gmdrm	hypo	CHH	-0.1409
Gm16	8154639	8155636 Gmdrm	hypo	CHH	-0.0373
Gm16	8185576	8186574 Gmdrm	hypo	CHH	-0.0173
Gm16	8187608	8188604 Gmdrm	hypo	CHH	-0.0233

Gm16	8191343	8192320	Gmdrm	hypo	CHH	-0.0797
Gm16	8192344	8192701	Gmdrm	hypo	CHH	-0.0214
Gm16	8203981	8204968	Gmdrm	hypo	CHH	-0.151
Gm16	8209620	8210614	Gmdrm	hypo	CHH	-0.0545
Gm16	8210642	8211641	Gmdrm	hypo	CHH	-0.0229
Gm16	8214781	8215780	Gmdrm	hypo	CHH	-0.0182
Gm16	8217654	8218651	Gmdrm	hypo	CHH	-0.1969
Gm16	8218659	8218873	Gmdrm	hypo	CHH	-0.2025
Gm16	8219009	8219743	Gmdrm	hypo	CHH	-0.0207
Gm16	8222514	8222851	Gmdrm	hypo	CHH	-0.044
Gm16	8224272	8225242	Gmdrm	hypo	CHH	-0.0621
Gm16	8257342	8258313	Gmdrm	hypo	CHH	-0.0569
Gm16	8259641	8260317	Gmdrm	hypo	CHH	-0.0406
Gm16	8320427	8321405	Gmdrm	hypo	CHH	-0.0506
Gm16	8341210	8342205	Gmdrm	hypo	CHH	-0.0217
Gm16	8388469	8389467	Gmdrm	hypo	CHH	-0.0888
Gm16	8389471	8390438	Gmdrm	hypo	CHH	-0.1884
Gm16	8390509	8391321	Gmdrm	hypo	CHH	-0.0173
Gm16	8391424	8392360	Gmdrm	hypo	CHH	-0.0366
Gm16	8404498	8405497	Gmdrm	hypo	CHH	-0.0766
Gm16	8405499	8406490	Gmdrm	hypo	CHH	-0.1213
Gm16	8406518	8407498	Gmdrm	hypo	CHH	-0.0178
Gm16	8449830	8450828	Gmdrm	hypo	CHH	-0.108
Gm16	8450834	8451757	Gmdrm	hypo	CHH	-0.3414
Gm16	8460477	8461465	Gmdrm	hypo	CHH	-0.0241
Gm16	8473491	8474487	Gmdrm	hypo	CHH	-0.0263
Gm16	8491806	8492790	Gmdrm	hypo	CHH	-0.0153
Gm16	8500138	8501137	Gmdrm	hypo	CHH	-0.0596
Gm16	8502656	8503650	Gmdrm	hypo	CHH	-0.0641
Gm16	8505765	8506747	Gmdrm	hypo	CHH	-0.1016
Gm16	8518096	8519095	Gmdrm	hypo	CHH	-0.0274
Gm16	8519114	8520100	Gmdrm	hypo	CHH	-0.0217
Gm16	8521708	8522688	Gmdrm	hypo	CHH	-0.0229
Gm16	8527135	8528114	Gmdrm	hypo	CHH	-0.1044
Gm16	8528153	8529150	Gmdrm	hypo	CHH	-0.0176
Gm16	8532128	8533120	Gmdrm	hypo	CHH	-0.0121
Gm16	8654047	8654521	Gmdrm	hypo	CHH	-0.038
Gm16	8677215	8678196	Gmdrm	hypo	CHH	-0.0741
Gm16	8678256	8679194	Gmdrm	hypo	CHH	-0.0156
Gm16	8688956	8689931	Gmdrm	hypo	CHH	-0.0416
Gm16	8694779	8695767	Gmdrm	hypo	CHH	-0.1194
Gm16	8695788	8696728	Gmdrm	hypo	CHH	-0.1345
Gm16	8698321	8698725	Gmdrm	hypo	CHH	-0.031
Gm16	8701060	8702040	Gmdrm	hypo	CHH	-0.0166
Gm16	8704161	8705160	Gmdrm	hypo	CHH	-0.0852
Gm16	8705170	8706020	Gmdrm	hypo	CHH	-0.0616

Gm16	8735206	8735977 Gmdrm	hypo	CHH	-0.082
Gm16	8737574	8738555 Gmdrm	hypo	CHH	-0.0338
Gm16	8759386	8760374 Gmdrm	hypo	CHH	-0.0376
Gm16	8765712	8766604 Gmdrm	hypo	CHH	-0.0313
Gm16	8785683	8786683 Gmdrm	hypo	CHH	-0.0254
Gm16	8794435	8794544 Gmdrm	hypo	CHH	-0.0767
Gm16	8825822	8826744 Gmdrm	hypo	CHH	-0.0949
Gm16	8826856	8827852 Gmdrm	hypo	CHH	-0.062
Gm16	8867133	8867356 Gmdrm	hypo	CHH	-0.1614
Gm16	9075772	9076766 Gmdrm	hypo	CHH	-0.0814
Gm16	9138466	9139307 Gmdrm	hypo	CHH	-0.0463
Gm16	9162550	9163211 Gmdrm	hypo	CHH	-0.044
Gm16	9172206	9173204 Gmdrm	hypo	CHH	-0.0483
Gm16	9178126	9179125 Gmdrm	hypo	CHH	-0.0156
Gm16	9179132	9180129 Gmdrm	hypo	CHH	-0.0296
Gm16	9181145	9182121 Gmdrm	hypo	CHH	-0.0312
Gm16	9182159	9182614 Gmdrm	hypo	CHH	-0.0214
Gm16	9182715	9183693 Gmdrm	hypo	CHH	-0.0348
Gm16	9183728	9183896 Gmdrm	hypo	CHH	-0.043
Gm16	9236316	9237259 Gmdrm	hypo	CHH	-0.0274
Gm16	9264084	9265084 Gmdrm	hypo	CHH	-0.0638
Gm16	9298285	9299264 Gmdrm	hypo	CHH	-0.1326
Gm16	9299331	9300322 Gmdrm	hypo	CHH	-0.1092
Gm16	9337672	9338640 Gmdrm	hypo	CHH	-0.0363
Gm16	9349515	9350512 Gmdrm	hypo	CHH	-0.1942
Gm16	9377609	9378447 Gmdrm	hypo	CHH	-0.0441
Gm16	9380738	9381727 Gmdrm	hypo	CHH	-0.0249
Gm16	9381793	9382759 Gmdrm	hypo	CHH	-0.018
Gm16	9384283	9385257 Gmdrm	hypo	CHH	-0.0278
Gm16	9409174	9410174 Gmdrm	hypo	CHH	-0.1186
Gm16	9468993	9469992 Gmdrm	hypo	CHH	-0.2502
Gm16	9470000	9470995 Gmdrm	hypo	CHH	-0.1645
Gm16	9615598	9616537 Gmdrm	hypo	CHH	-0.0595
Gm16	9625017	9626001 Gmdrm	hypo	CHH	-0.067
Gm16	9637137	9638068 Gmdrm	hypo	CHH	-0.0182
Gm16	9640192	9641181 Gmdrm	hypo	CHH	-0.0282
Gm16	9641253	9642188 Gmdrm	hypo	CHH	-0.0321
Gm16	9642262	9643254 Gmdrm	hypo	CHH	-0.0177
Gm16	9644286	9644471 Gmdrm	hypo	CHH	-0.0462
Gm16	9645807	9646804 Gmdrm	hypo	CHH	-0.0125
Gm16	9646811	9647633 Gmdrm	hypo	CHH	-0.0167
Gm16	9647743	9648737 Gmdrm	hypo	CHH	-0.0356
Gm16	9649758	9650164 Gmdrm	hypo	CHH	-0.0212
Gm16	9663353	9664352 Gmdrm	hypo	CHH	-0.2112
Gm16	9695936	9696891 Gmdrm	hypo	CHH	-0.0286
Gm16	9696949	9697949 Gmdrm	hypo	CHH	-0.0186

Gm16	9698984	9699981 Gmdrm	hypo	CHH	-0.0682
Gm16	9703012	9703949 Gmdrm	hypo	CHH	-0.029
Gm16	9708816	9709803 Gmdrm	hypo	CHH	-0.0489
Gm16	9717840	9718796 Gmdrm	hypo	CHH	-0.1821
Gm16	9718848	9719848 Gmdrm	hypo	CHH	-0.0991
Gm16	9740373	9741373 Gmdrm	hypo	CHH	-0.0384
Gm16	9741375	9742374 Gmdrm	hypo	CHH	-0.0622
Gm16	9746404	9747402 Gmdrm	hypo	CHH	-0.0314
Gm16	9748446	9749433 Gmdrm	hypo	CHH	-0.0222
Gm16	9763615	9764613 Gmdrm	hypo	CHH	-0.0205
Gm16	9768631	9769629 Gmdrm	hypo	CHH	-0.0687
Gm16	9769632	9770613 Gmdrm	hypo	CHH	-0.032
Gm16	9770926	9771906 Gmdrm	hypo	CHH	-0.0423
Gm16	9771947	9772943 Gmdrm	hypo	CHH	-0.0612
Gm16	9772948	9773931 Gmdrm	hypo	CHH	-0.0879
Gm16	9773964	9774964 Gmdrm	hypo	CHH	-0.0912
Gm16	9774965	9775692 Gmdrm	hypo	CHH	-0.1013
Gm16	9775847	9776846 Gmdrm	hypo	CHH	-0.0547
Gm16	9782877	9783854 Gmdrm	hypo	CHH	-0.0224
Gm16	9807197	9808179 Gmdrm	hypo	CHH	-0.1321
Gm16	9829225	9830223 Gmdrm	hypo	CHH	-0.0361
Gm16	9900550	9901524 Gmdrm	hypo	CHH	-0.0119
Gm16	9908040	9909040 Gmdrm	hypo	CHH	-0.0222
Gm16	9909044	9910043 Gmdrm	hypo	CHH	-0.0397
Gm16	9918895	9919892 Gmdrm	hypo	CHH	-0.0531
Gm16	9945914	9946199 Gmdrm	hypo	CHH	-0.0491
Gm16	10058614	10059476 Gmdrm	hypo	CHH	-0.0305
Gm16	10065378	10066365 Gmdrm	hypo	CHH	-0.0357
Gm16	10073316	10074305 Gmdrm	hypo	CHH	-0.0594
Gm16	10135986	10136964 Gmdrm	hypo	CHH	-0.0817
Gm16	10171219	10172219 Gmdrm	hypo	CHH	-0.0291
Gm16	10172222	10173210 Gmdrm	hypo	CHH	-0.0172
Gm16	10286548	10287541 Gmdrm	hypo	CHH	-0.0506
Gm16	10288614	10289600 Gmdrm	hypo	CHH	-0.057
Gm16	10300517	10301516 Gmdrm	hypo	CHH	-0.1018
Gm16	10342978	10343961 Gmdrm	hypo	CHH	-0.0589
Gm16	10343994	10344708 Gmdrm	hypo	CHH	-0.0223
Gm16	10447537	10448519 Gmdrm	hypo	CHH	-0.0166
Gm16	10448558	10449553 Gmdrm	hypo	CHH	-0.0649
Gm16	10467610	10468567 Gmdrm	hypo	CHH	-0.0158
Gm16	10475729	10476715 Gmdrm	hypo	CHH	-0.0457
Gm16	10478789	10479788 Gmdrm	hypo	CHH	-0.0161
Gm16	10480822	10481815 Gmdrm	hypo	CHH	-0.0152
Gm16	10538755	10539732 Gmdrm	hypo	CHH	-0.0988
Gm16	10541197	10542194 Gmdrm	hypo	CHH	-0.0859
Gm16	10542211	10543207 Gmdrm	hypo	CHH	-0.0182

Gm16	10590245	10590756	Gmdrm	hypo	CHH	-0.0126
Gm16	10605585	10606534	Gmdrm	hypo	CHH	-0.117
Gm16	10614219	10614274	Gmdrm	hypo	CHH	-0.076
Gm16	10615400	10616400	Gmdrm	hypo	CHH	-0.0454
Gm16	10616442	10617425	Gmdrm	hypo	CHH	-0.0253
Gm16	10808826	10809818	Gmdrm	hypo	CHH	-0.032
Gm16	10812880	10813878	Gmdrm	hypo	CHH	-0.0364
Gm16	10813896	10814887	Gmdrm	hypo	CHH	-0.0263
Gm16	10817356	10818313	Gmdrm	hypo	CHH	-0.0412
Gm16	10823831	10824827	Gmdrm	hypo	CHH	-0.0751
Gm16	10824832	10825813	Gmdrm	hypo	CHH	-0.1741
Gm16	10879509	10880318	Gmdrm	hypo	CHH	-0.0474
Gm16	10890579	10891112	Gmdrm	hypo	CHH	-0.0975
Gm16	10893329	10894326	Gmdrm	hypo	CHH	-0.0391
Gm16	10896427	10897425	Gmdrm	hypo	CHH	-0.0443
Gm16	10898441	10899439	Gmdrm	hypo	CHH	-0.0399
Gm16	10913295	10914100	Gmdrm	hypo	CHH	-0.0464
Gm16	10922106	10922817	Gmdrm	hypo	CHH	-0.0225
Gm16	10923060	10924054	Gmdrm	hypo	CHH	-0.057
Gm16	10939652	10940601	Gmdrm	hypo	CHH	-0.0292
Gm16	10940655	10941654	Gmdrm	hypo	CHH	-0.0299
Gm16	10941657	10942592	Gmdrm	hypo	CHH	-0.1006
Gm16	10943069	10944067	Gmdrm	hypo	CHH	-0.0867
Gm16	10955774	10956029	Gmdrm	hypo	CHH	-0.0624
Gm16	10957449	10958434	Gmdrm	hypo	CHH	-0.0238
Gm16	10958450	10959303	Gmdrm	hypo	CHH	-0.0423
Gm16	10977884	10978876	Gmdrm	hypo	CHH	-0.0243
Gm16	10979962	10980937	Gmdrm	hypo	CHH	-0.0312
Gm16	10980975	10981972	Gmdrm	hypo	CHH	-0.042
Gm16	10992028	10993020	Gmdrm	hypo	CHH	-0.1047
Gm16	10993034	10994004	Gmdrm	hypo	CHH	-0.2209
Gm16	11005959	11006544	Gmdrm	hypo	CHH	-0.0189
Gm16	11008920	11009908	Gmdrm	hypo	CHH	-0.0384
Gm16	11010995	11011975	Gmdrm	hypo	CHH	-0.0905
Gm16	11015112	11016112	Gmdrm	hypo	CHH	-0.0493
Gm16	11016117	11016665	Gmdrm	hypo	CHH	-0.0471
Gm16	11093370	11093943	Gmdrm	hypo	CHH	-0.0537
Gm16	11095376	11096363	Gmdrm	hypo	CHH	-0.1299
Gm16	11096381	11097380	Gmdrm	hypo	CHH	-0.0773
Gm16	11108140	11109098	Gmdrm	hypo	CHH	-0.0622
Gm16	11129003	11129994	Gmdrm	hypo	CHH	-0.0209
Gm16	11158911	11159911	Gmdrm	hypo	CHH	-0.0704
Gm16	11159927	11160270	Gmdrm	hypo	CHH	-0.0256
Gm16	11162480	11163477	Gmdrm	hypo	CHH	-0.1993
Gm16	11164503	11165496	Gmdrm	hypo	CHH	-0.0314
Gm16	11170886	11171863	Gmdrm	hypo	CHH	-0.0225

Gm16	11188214	11189214	Gmdrm	hypo	CHH	-0.1474
Gm16	11207271	11207832	Gmdrm	hypo	CHH	-0.0384
Gm16	11249195	11250193	Gmdrm	hypo	CHH	-0.2021
Gm16	11252671	11253667	Gmdrm	hypo	CHH	-0.2023
Gm16	11253673	11254243	Gmdrm	hypo	CHH	-0.0826
Gm16	11275769	11275966	Gmdrm	hypo	CHH	-0.0443
Gm16	11276332	11277330	Gmdrm	hypo	CHH	-0.0392
Gm16	11279773	11280758	Gmdrm	hypo	CHH	-0.0384
Gm16	11280774	11281411	Gmdrm	hypo	CHH	-0.0208
Gm16	11291361	11292342	Gmdrm	hypo	CHH	-0.0436
Gm16	11305966	11306958	Gmdrm	hypo	CHH	-0.0432
Gm16	11309997	11310991	Gmdrm	hypo	CHH	-0.1472
Gm16	11311002	11311994	Gmdrm	hypo	CHH	-0.0682
Gm16	11313033	11314025	Gmdrm	hypo	CHH	-0.1403
Gm16	11332500	11333485	Gmdrm	hypo	CHH	-0.2904
Gm16	11333505	11334495	Gmdrm	hypo	CHH	-0.356
Gm16	11342283	11343281	Gmdrm	hypo	CHH	-0.3134
Gm16	11343284	11344282	Gmdrm	hypo	CHH	-0.1027
Gm16	11468693	11469677	Gmdrm	hypo	CHH	-0.0675
Gm16	11469723	11470718	Gmdrm	hypo	CHH	-0.0221
Gm16	11900705	11901703	Gmdrm	hypo	CHH	-0.0611
Gm16	11901708	11901847	Gmdrm	hypo	CHH	-0.0383
Gm16	11902059	11902191	Gmdrm	hypo	CHH	-0.09
Gm16	11905567	11906567	Gmdrm	hypo	CHH	-0.0208
Gm16	11906605	11907604	Gmdrm	hypo	CHH	-0.0141
Gm16	11907639	11908639	Gmdrm	hypo	CHH	-0.0625
Gm16	11908640	11909638	Gmdrm	hypo	CHH	-0.146
Gm16	11911206	11911630	Gmdrm	hypo	CHH	-0.0822
Gm16	12149034	12149511	Gmdrm	hypo	CHH	-0.1458
Gm16	12150187	12150675	Gmdrm	hypo	CHH	-0.0329
Gm16	12491618	12492618	Gmdrm	hypo	CHH	-0.1219
Gm16	12642637	12643130	Gmdrm	hypo	CHH	-0.1015
Gm16	12751043	12751667	Gmdrm	hypo	CHH	-0.0613
Gm16	12932460	12933460	Gmdrm	hypo	CHH	-0.0322
Gm16	13005712	13005839	Gmdrm	hypo	CHH	-0.1157
Gm16	13144252	13145241	Gmdrm	hypo	CHH	-0.0228
Gm16	13145267	13146267	Gmdrm	hypo	CHH	-0.081
Gm16	13163324	13164237	Gmdrm	hypo	CHH	-0.0444
Gm16	13171253	13172228	Gmdrm	hypo	CHH	-0.0402
Gm16	13303298	13303398	Gmdrm	hypo	CHH	-0.1575
Gm16	13380575	13381411	Gmdrm	hypo	CHH	-0.0332
Gm16	13499087	13499742	Gmdrm	hypo	CHH	-0.0825
Gm16	13824466	13825081	Gmdrm	hypo	CHH	-0.0375
Gm16	13896888	13897886	Gmdrm	hypo	CHH	-0.0235
Gm16	13900243	13900600	Gmdrm	hypo	CHH	-0.0217
Gm16	13900771	13901763	Gmdrm	hypo	CHH	-0.0286

Gm16	14053208	14053990 Gmdrm	hypo	CHH	-0.0328
Gm16	14055973	14056966 Gmdrm	hypo	CHH	-0.046
Gm16	14056981	14057962 Gmdrm	hypo	CHH	-0.043
Gm16	14065698	14066689 Gmdrm	hypo	CHH	-0.1415
Gm16	14070726	14071726 Gmdrm	hypo	CHH	-0.0534
Gm16	14100962	14101651 Gmdrm	hypo	CHH	-0.0821
Gm16	14103525	14104518 Gmdrm	hypo	CHH	-0.2033
Gm16	14111234	14112229 Gmdrm	hypo	CHH	-0.0431
Gm16	14258217	14258875 Gmdrm	hypo	CHH	-0.0996
Gm16	14259419	14260415 Gmdrm	hypo	CHH	-0.0163
Gm16	14265012	14265126 Gmdrm	hypo	CHH	-0.046
Gm16	14265872	14266872 Gmdrm	hypo	CHH	-0.0111
Gm16	14266912	14267907 Gmdrm	hypo	CHH	-0.0204
Gm16	14352506	14353491 Gmdrm	hypo	CHH	-0.0393
Gm16	14486368	14486810 Gmdrm	hypo	CHH	-0.0228
Gm16	14487156	14488146 Gmdrm	hypo	CHH	-0.0333
Gm16	14492097	14493095 Gmdrm	hypo	CHH	-0.0255
Gm16	14493107	14493622 Gmdrm	hypo	CHH	-0.0247
Gm16	14496532	14497529 Gmdrm	hypo	CHH	-0.1068
Gm16	14498562	14499555 Gmdrm	hypo	CHH	-0.0309
Gm16	14566944	14567776 Gmdrm	hypo	CHH	-0.0221
Gm16	14567934	14568669 Gmdrm	hypo	CHH	-0.0288
Gm16	14572114	14573112 Gmdrm	hypo	CHH	-0.073
Gm16	14573115	14574114 Gmdrm	hypo	CHH	-0.1019
Gm16	14574162	14575143 Gmdrm	hypo	CHH	-0.088
Gm16	14586262	14587233 Gmdrm	hypo	CHH	-0.063
Gm16	14587275	14588056 Gmdrm	hypo	CHH	-0.0862
Gm16	14598667	14598844 Gmdrm	hypo	CHH	-0.1468
Gm16	14602675	14603675 Gmdrm	hypo	CHH	-0.0426
Gm16	14613402	14614322 Gmdrm	hypo	CHH	-0.0429
Gm16	14640124	14640441 Gmdrm	hypo	CHH	-0.0878
Gm16	14643841	14644149 Gmdrm	hypo	CHH	-0.0335
Gm16	14646797	14647795 Gmdrm	hypo	CHH	-0.0602
Gm16	14745550	14746540 Gmdrm	hypo	CHH	-0.032
Gm16	14747583	14747809 Gmdrm	hypo	CHH	-0.0408
Gm16	14748558	14749557 Gmdrm	hypo	CHH	-0.0344
Gm16	14749582	14750570 Gmdrm	hypo	CHH	-0.0121
Gm16	14782687	14783684 Gmdrm	hypo	CHH	-0.0541
Gm16	14786432	14787415 Gmdrm	hypo	CHH	-0.0381
Gm16	14797360	14798355 Gmdrm	hypo	CHH	-0.0145
Gm16	14800307	14801306 Gmdrm	hypo	CHH	-0.0915
Gm16	14818431	14819428 Gmdrm	hypo	CHH	-0.0912
Gm16	14828006	14829005 Gmdrm	hypo	CHH	-0.1345
Gm16	14844148	14844452 Gmdrm	hypo	CHH	-0.04
Gm16	14844677	14845641 Gmdrm	hypo	CHH	-0.0309
Gm16	14860640	14861640 Gmdrm	hypo	CHH	-0.0232

Gm16	14870942	14871403	Gmdrm	hypo	CHH	-0.0395
Gm16	14871577	14872573	Gmdrm	hypo	CHH	-0.0503
Gm16	14885367	14886128	Gmdrm	hypo	CHH	-0.036
Gm16	14897227	14898227	Gmdrm	hypo	CHH	-0.2088
Gm16	14898228	14898803	Gmdrm	hypo	CHH	-0.0475
Gm16	14899409	14900398	Gmdrm	hypo	CHH	-0.0324
Gm16	14909208	14910182	Gmdrm	hypo	CHH	-0.096
Gm16	14912076	14912519	Gmdrm	hypo	CHH	-0.1244
Gm16	14914602	14915600	Gmdrm	hypo	CHH	-0.1392
Gm16	14931267	14931957	Gmdrm	hypo	CHH	-0.0984
Gm16	14953367	14953969	Gmdrm	hypo	CHH	-0.0347
Gm16	14961937	14962935	Gmdrm	hypo	CHH	-0.1294
Gm16	14978066	14979049	Gmdrm	hypo	CHH	-0.034
Gm16	15059350	15059391	Gmdrm	hypo	CHH	-0.09
Gm16	15075964	15076960	Gmdrm	hypo	CHH	-0.0843
Gm16	15091674	15092669	Gmdrm	hypo	CHH	-0.0367
Gm16	15102223	15103223	Gmdrm	hypo	CHH	-0.0266
Gm16	15103231	15104200	Gmdrm	hypo	CHH	-0.0189
Gm16	15105286	15106273	Gmdrm	hypo	CHH	-0.0165
Gm16	15106320	15107312	Gmdrm	hypo	CHH	-0.0222
Gm16	15107333	15108330	Gmdrm	hypo	CHH	-0.026
Gm16	15201912	15202909	Gmdrm	hypo	CHH	-0.0481
Gm16	15220265	15220650	Gmdrm	hypo	CHH	-0.0775
Gm16	15235117	15236082	Gmdrm	hypo	CHH	-0.0488
Gm16	15254886	15255504	Gmdrm	hypo	CHH	-0.0547
Gm16	15263602	15264596	Gmdrm	hypo	CHH	-0.0659
Gm16	15333713	15334699	Gmdrm	hypo	CHH	-0.0793
Gm16	15344447	15345438	Gmdrm	hypo	CHH	-0.0241
Gm16	15345451	15346449	Gmdrm	hypo	CHH	-0.0373
Gm16	15351342	15352181	Gmdrm	hypo	CHH	-0.0242
Gm16	15352650	15353647	Gmdrm	hypo	CHH	-0.0602
Gm16	15442779	15443052	Gmdrm	hypo	CHH	-0.1209
Gm16	15478328	15479327	Gmdrm	hypo	CHH	-0.0625
Gm16	15482764	15483761	Gmdrm	hypo	CHH	-0.0269
Gm16	15484571	15485569	Gmdrm	hypo	CHH	-0.0673
Gm16	15485572	15486572	Gmdrm	hypo	CHH	-0.06
Gm16	15487599	15488582	Gmdrm	hypo	CHH	-0.0535
Gm16	15492023	15493003	Gmdrm	hypo	CHH	-0.0449
Gm16	15693310	15693420	Gmdrm	hypo	CHH	-0.1057
Gm16	15854307	15855303	Gmdrm	hypo	CHH	-0.0987
Gm16	15858892	15859891	Gmdrm	hypo	CHH	-0.0771
Gm16	15859896	15860877	Gmdrm	hypo	CHH	-0.0422
Gm16	15862288	15863279	Gmdrm	hypo	CHH	-0.0672
Gm16	15881135	15882135	Gmdrm	hypo	CHH	-0.0285
Gm16	16003876	16004350	Gmdrm	hypo	CHH	-0.0652
Gm16	16330343	16331061	Gmdrm	hypo	CHH	-0.0944

Gm16	16391302	16391423	Gmdrm	hypo	CHH	-0.1167
Gm16	16401602	16401630	Gmdrm	hypo	CHH	-0.22
Gm16	16428472	16429464	Gmdrm	hypo	CHH	-0.0377
Gm16	16429525	16430516	Gmdrm	hypo	CHH	-0.0159
Gm16	16430823	16431801	Gmdrm	hypo	CHH	-0.0838
Gm16	16549060	16549279	Gmdrm	hypo	CHH	-0.0411
Gm16	16571140	16571162	Gmdrm	hypo	CHH	-0.16
Gm16	16603074	16604071	Gmdrm	hypo	CHH	-0.059
Gm16	16629952	16630005	Gmdrm	hypo	CHH	-0.16
Gm16	16666792	16667791	Gmdrm	hypo	CHH	-0.0665
Gm16	16669685	16670685	Gmdrm	hypo	CHH	-0.0554
Gm16	16670689	16671665	Gmdrm	hypo	CHH	-0.0408
Gm16	16673198	16673891	Gmdrm	hypo	CHH	-0.045
Gm16	16674016	16675016	Gmdrm	hypo	CHH	-0.0731
Gm16	16809822	16810818	Gmdrm	hypo	CHH	-0.0433
Gm16	16816011	16817003	Gmdrm	hypo	CHH	-0.3386
Gm16	16823084	16824082	Gmdrm	hypo	CHH	-0.0854
Gm16	16886161	16887147	Gmdrm	hypo	CHH	-0.0545
Gm16	16968593	16969359	Gmdrm	hypo	CHH	-0.0307
Gm16	16976245	16976890	Gmdrm	hypo	CHH	-0.0188
Gm16	16977214	16978212	Gmdrm	hypo	CHH	-0.0332
Gm16	16978215	16979209	Gmdrm	hypo	CHH	-0.0395
Gm16	16997115	16998099	Gmdrm	hypo	CHH	-0.0658
Gm16	16998121	16999091	Gmdrm	hypo	CHH	-0.0971
Gm16	17004973	17005172	Gmdrm	hypo	CHH	-0.1339
Gm16	17008525	17009510	Gmdrm	hypo	CHH	-0.0202
Gm16	17012846	17013839	Gmdrm	hypo	CHH	-0.0734
Gm16	17063305	17063680	Gmdrm	hypo	CHH	-0.0506
Gm16	17076943	17077374	Gmdrm	hypo	CHH	-0.0727
Gm16	17078291	17079287	Gmdrm	hypo	CHH	-0.0651
Gm16	17090590	17091590	Gmdrm	hypo	CHH	-0.014
Gm16	17091600	17092599	Gmdrm	hypo	CHH	-0.0161
Gm16	17274821	17274879	Gmdrm	hypo	CHH	-0.2117
Gm16	17367124	17367276	Gmdrm	hypo	CHH	-0.1355
Gm16	17403993	17404962	Gmdrm	hypo	CHH	-0.0242
Gm16	17408780	17409572	Gmdrm	hypo	CHH	-0.0551
Gm16	17419400	17419650	Gmdrm	hypo	CHH	-0.1154
Gm16	17419776	17420760	Gmdrm	hypo	CHH	-0.0411
Gm16	17498178	17498222	Gmdrm	hypo	CHH	-0.17
Gm16	17604237	17605237	Gmdrm	hypo	CHH	-0.039
Gm16	17605241	17605772	Gmdrm	hypo	CHH	-0.0495
Gm16	17606911	17607565	Gmdrm	hypo	CHH	-0.0644
Gm16	17614791	17615781	Gmdrm	hypo	CHH	-0.0292
Gm16	17615814	17616789	Gmdrm	hypo	CHH	-0.0628
Gm16	17646729	17647307	Gmdrm	hypo	CHH	-0.0668
Gm16	17656092	17657076	Gmdrm	hypo	CHH	-0.0277

Gm16	17658108	17658712	Gmdrm	hypo	CHH	-0.059
Gm16	17698854	17699141	Gmdrm	hypo	CHH	-0.2182
Gm16	17816819	17817640	Gmdrm	hypo	CHH	-0.0498
Gm16	17890977	17891970	Gmdrm	hypo	CHH	-0.0904
Gm16	17901555	17901712	Gmdrm	hypo	CHH	-0.11
Gm16	17911969	17912915	Gmdrm	hypo	CHH	-0.0744
Gm16	17912981	17913974	Gmdrm	hypo	CHH	-0.07
Gm16	17916082	17917082	Gmdrm	hypo	CHH	-0.0271
Gm16	17918107	17918609	Gmdrm	hypo	CHH	-0.0296
Gm16	17918740	17919731	Gmdrm	hypo	CHH	-0.0537
Gm16	17919743	17920741	Gmdrm	hypo	CHH	-0.0801
Gm16	18186557	18187553	Gmdrm	hypo	CHH	-0.0497
Gm16	18190592	18191589	Gmdrm	hypo	CHH	-0.0835
Gm16	18196846	18197520	Gmdrm	hypo	CHH	-0.0225
Gm16	18298269	18299262	Gmdrm	hypo	CHH	-0.0955
Gm16	18299273	18300261	Gmdrm	hypo	CHH	-0.1202
Gm16	18385458	18386450	Gmdrm	hypo	CHH	-0.0635
Gm16	18433677	18434670	Gmdrm	hypo	CHH	-0.0825
Gm16	18434680	18435623	Gmdrm	hypo	CHH	-0.0219
Gm16	18437699	18438652	Gmdrm	hypo	CHH	-0.0177
Gm16	18453096	18454075	Gmdrm	hypo	CHH	-0.0235
Gm16	18454101	18455100	Gmdrm	hypo	CHH	-0.0315
Gm16	18475566	18476551	Gmdrm	hypo	CHH	-0.0921
Gm16	18477598	18478452	Gmdrm	hypo	CHH	-0.0161
Gm16	18597956	18598952	Gmdrm	hypo	CHH	-0.0299
Gm16	18695153	18695822	Gmdrm	hypo	CHH	-0.0708
Gm16	18817159	18818145	Gmdrm	hypo	CHH	-0.1669
Gm16	18824091	18825072	Gmdrm	hypo	CHH	-0.0192
Gm16	18830105	18831056	Gmdrm	hypo	CHH	-0.0178
Gm16	18841920	18842912	Gmdrm	hypo	CHH	-0.0464
Gm16	18845155	18846149	Gmdrm	hypo	CHH	-0.2261
Gm16	18846164	18847153	Gmdrm	hypo	CHH	-0.3916
Gm16	18847371	18848334	Gmdrm	hypo	CHH	-0.0175
Gm16	18848395	18849391	Gmdrm	hypo	CHH	-0.0362
Gm16	18849400	18850397	Gmdrm	hypo	CHH	-0.0328
Gm16	18856127	18857120	Gmdrm	hypo	CHH	-0.0191
Gm16	18865649	18866645	Gmdrm	hypo	CHH	-0.0387
Gm16	18866658	18867653	Gmdrm	hypo	CHH	-0.0264
Gm16	18885693	18885996	Gmdrm	hypo	CHH	-0.0347
Gm16	19020261	19021256	Gmdrm	hypo	CHH	-0.0185
Gm16	19035346	19036329	Gmdrm	hypo	CHH	-0.0666
Gm16	19050555	19050596	Gmdrm	hypo	CHH	-0.036
Gm16	19050735	19051581	Gmdrm	hypo	CHH	-0.0203
Gm16	19056310	19057308	Gmdrm	hypo	CHH	-0.0715
Gm16	19057311	19057391	Gmdrm	hypo	CHH	-0.116
Gm16	19057758	19058613	Gmdrm	hypo	CHH	-0.0528

Gm16	19058907	19059906	Gmdrm	hypo	CHH	-0.0376
Gm16	19091916	19092846	Gmdrm	hypo	CHH	-0.014
Gm16	19119094	19120023	Gmdrm	hypo	CHH	-0.0281
Gm16	19122509	19122878	Gmdrm	hypo	CHH	-0.1363
Gm16	19127293	19128286	Gmdrm	hypo	CHH	-0.0652
Gm16	19139560	19140545	Gmdrm	hypo	CHH	-0.0247
Gm16	19156306	19156953	Gmdrm	hypo	CHH	-0.047
Gm16	19164570	19165530	Gmdrm	hypo	CHH	-0.0446
Gm16	19168462	19169444	Gmdrm	hypo	CHH	-0.0164
Gm16	19169469	19170281	Gmdrm	hypo	CHH	-0.0915
Gm16	19172592	19172698	Gmdrm	hypo	CHH	-0.0274
Gm16	19193664	19194384	Gmdrm	hypo	CHH	-0.0237
Gm16	19195140	19196118	Gmdrm	hypo	CHH	-0.0166
Gm16	19250150	19251122	Gmdrm	hypo	CHH	-0.0288
Gm16	19255034	19255936	Gmdrm	hypo	CHH	-0.0583
Gm16	19284028	19285028	Gmdrm	hypo	CHH	-0.0519
Gm16	19290515	19291515	Gmdrm	hypo	CHH	-0.0493
Gm16	19298209	19299203	Gmdrm	hypo	CHH	-0.0438
Gm16	19299218	19300204	Gmdrm	hypo	CHH	-0.0703
Gm16	19324081	19325078	Gmdrm	hypo	CHH	-0.223
Gm16	19332666	19333665	Gmdrm	hypo	CHH	-0.0277
Gm16	19333669	19333772	Gmdrm	hypo	CHH	-0.0771
Gm16	19340052	19341032	Gmdrm	hypo	CHH	-0.0319
Gm16	19383077	19384077	Gmdrm	hypo	CHH	-0.1692
Gm16	19386111	19386590	Gmdrm	hypo	CHH	-0.0371
Gm16	19386917	19387915	Gmdrm	hypo	CHH	-0.0215
Gm16	19444499	19445467	Gmdrm	hypo	CHH	-0.0391
Gm16	19445513	19446058	Gmdrm	hypo	CHH	-0.0229
Gm16	19558286	19559276	Gmdrm	hypo	CHH	-0.0232
Gm16	19617407	19618396	Gmdrm	hypo	CHH	-0.0255
Gm16	19618409	19619402	Gmdrm	hypo	CHH	-0.0129
Gm16	19652555	19653496	Gmdrm	hypo	CHH	-0.187
Gm16	19655341	19656320	Gmdrm	hypo	CHH	-0.0338
Gm16	19657893	19658885	Gmdrm	hypo	CHH	-0.075
Gm16	19659179	19660177	Gmdrm	hypo	CHH	-0.1326
Gm16	19660182	19661175	Gmdrm	hypo	CHH	-0.1369
Gm16	19667781	19667959	Gmdrm	hypo	CHH	-0.0713
Gm16	19672340	19673205	Gmdrm	hypo	CHH	-0.0741
Gm16	19673312	19674312	Gmdrm	hypo	CHH	-0.0821
Gm16	19674313	19675302	Gmdrm	hypo	CHH	-0.0329
Gm16	19861017	19861174	Gmdrm	hypo	CHH	-0.0867
Gm16	19928149	19929147	Gmdrm	hypo	CHH	-0.0653
Gm16	20001741	20002707	Gmdrm	hypo	CHH	-0.0139
Gm16	20020428	20021428	Gmdrm	hypo	CHH	-0.067
Gm16	20042241	20043214	Gmdrm	hypo	CHH	-0.0419
Gm16	20043257	20044239	Gmdrm	hypo	CHH	-0.2626

Gm16	20046962	20047955	Gmdrm	hypo	CHH	-0.0432
Gm16	20124215	20125157	Gmdrm	hypo	CHH	-0.0169
Gm16	20136267	20137254	Gmdrm	hypo	CHH	-0.0589
Gm16	20137285	20138273	Gmdrm	hypo	CHH	-0.0389
Gm16	20193422	20194041	Gmdrm	hypo	CHH	-0.0218
Gm16	20270305	20271301	Gmdrm	hypo	CHH	-0.0391
Gm16	20293016	20293988	Gmdrm	hypo	CHH	-0.0215
Gm16	20369340	20369589	Gmdrm	hypo	CHH	-0.1165
Gm16	20390733	20391718	Gmdrm	hypo	CHH	-0.0678
Gm16	20391881	20392878	Gmdrm	hypo	CHH	-0.1253
Gm16	20486718	20487030	Gmdrm	hypo	CHH	-0.1334
Gm16	20570376	20570845	Gmdrm	hypo	CHH	-0.026
Gm16	20574000	20574998	Gmdrm	hypo	CHH	-0.0415
Gm16	20580806	20581803	Gmdrm	hypo	CHH	-0.0149
Gm16	20611341	20612176	Gmdrm	hypo	CHH	-0.0572
Gm16	20613376	20614324	Gmdrm	hypo	CHH	-0.0138
Gm16	20615271	20616268	Gmdrm	hypo	CHH	-0.0654
Gm16	20616275	20617275	Gmdrm	hypo	CHH	-0.0732
Gm16	20693605	20694605	Gmdrm	hypo	CHH	-0.1446
Gm16	20708459	20709454	Gmdrm	hypo	CHH	-0.0192
Gm16	20710922	20711147	Gmdrm	hypo	CHH	-0.2052
Gm16	20711363	20712161	Gmdrm	hypo	CHH	-0.0477
Gm16	20740208	20741207	Gmdrm	hypo	CHH	-0.1413
Gm16	20771589	20772583	Gmdrm	hypo	CHH	-0.0324
Gm16	20830182	20831182	Gmdrm	hypo	CHH	-0.0642
Gm16	20831183	20831745	Gmdrm	hypo	CHH	-0.2787
Gm16	20837837	20838555	Gmdrm	hypo	CHH	-0.0282
Gm16	20957347	20958312	Gmdrm	hypo	CHH	-0.2115
Gm16	20962730	20963672	Gmdrm	hypo	CHH	-0.0175
Gm16	20971965	20972961	Gmdrm	hypo	CHH	-0.061
Gm16	20985570	20986527	Gmdrm	hypo	CHH	-0.0744
Gm16	20991052	20992024	Gmdrm	hypo	CHH	-0.0358
Gm16	21002455	21002544	Gmdrm	hypo	CHH	-0.058
Gm16	21030054	21030618	Gmdrm	hypo	CHH	-0.0706
Gm16	21031096	21031695	Gmdrm	hypo	CHH	-0.0428
Gm16	21036351	21036427	Gmdrm	hypo	CHH	-0.052
Gm16	21049249	21050247	Gmdrm	hypo	CHH	-0.0406
Gm16	21078548	21079536	Gmdrm	hypo	CHH	-0.0382
Gm16	21080553	21081546	Gmdrm	hypo	CHH	-0.0485
Gm16	21115831	21116821	Gmdrm	hypo	CHH	-0.0405
Gm16	21116847	21117843	Gmdrm	hypo	CHH	-0.0083
Gm16	21123298	21124269	Gmdrm	hypo	CHH	-0.0233
Gm16	21125311	21126309	Gmdrm	hypo	CHH	-0.0699
Gm16	21126325	21127269	Gmdrm	hypo	CHH	-0.0976
Gm16	21127405	21128405	Gmdrm	hypo	CHH	-0.0615
Gm16	21148578	21149559	Gmdrm	hypo	CHH	-0.0397

Gm16	21182180	21183176	Gmdrm	hypo	CHH	-0.0309
Gm16	21183181	21184175	Gmdrm	hypo	CHH	-0.0382
Gm16	21184207	21185010	Gmdrm	hypo	CHH	-0.0216
Gm16	21185372	21186372	Gmdrm	hypo	CHH	-0.0495
Gm16	21196447	21197404	Gmdrm	hypo	CHH	-0.0772
Gm16	21217552	21218546	Gmdrm	hypo	CHH	-0.0804
Gm16	21226620	21227592	Gmdrm	hypo	CHH	-0.0527
Gm16	21236050	21237049	Gmdrm	hypo	CHH	-0.0346
Gm16	21254975	21255942	Gmdrm	hypo	CHH	-0.0639
Gm16	21288888	21289885	Gmdrm	hypo	CHH	-0.0265
Gm16	21321217	21322211	Gmdrm	hypo	CHH	-0.0609
Gm16	21322267	21323267	Gmdrm	hypo	CHH	-0.0638
Gm16	21328624	21329607	Gmdrm	hypo	CHH	-0.0601
Gm16	21364238	21365222	Gmdrm	hypo	CHH	-0.0393
Gm16	21365239	21366196	Gmdrm	hypo	CHH	-0.0435
Gm16	21401971	21402964	Gmdrm	hypo	CHH	-0.136
Gm16	21411303	21412298	Gmdrm	hypo	CHH	-0.1629
Gm16	21418004	21419002	Gmdrm	hypo	CHH	-0.0539
Gm16	21419005	21419998	Gmdrm	hypo	CHH	-0.1129
Gm16	21420006	21420953	Gmdrm	hypo	CHH	-0.1091
Gm16	21433135	21434115	Gmdrm	hypo	CHH	-0.0124
Gm16	21453206	21454188	Gmdrm	hypo	CHH	-0.0444
Gm16	21458695	21459691	Gmdrm	hypo	CHH	-0.0123
Gm16	21467284	21468240	Gmdrm	hypo	CHH	-0.0257
Gm16	21469938	21470916	Gmdrm	hypo	CHH	-0.031
Gm16	21496162	21497137	Gmdrm	hypo	CHH	-0.0556
Gm16	21497761	21498015	Gmdrm	hypo	CHH	-0.0884
Gm16	21522980	21523947	Gmdrm	hypo	CHH	-0.0745
Gm16	21525223	21526220	Gmdrm	hypo	CHH	-0.0362
Gm16	21527994	21528935	Gmdrm	hypo	CHH	-0.0254
Gm16	21529018	21530011	Gmdrm	hypo	CHH	-0.0282
Gm16	21533184	21534179	Gmdrm	hypo	CHH	-0.0364
Gm16	21542792	21542954	Gmdrm	hypo	CHH	-0.1012
Gm16	21543062	21543333	Gmdrm	hypo	CHH	-0.0527
Gm16	21547681	21548678	Gmdrm	hypo	CHH	-0.0607
Gm16	21548683	21549433	Gmdrm	hypo	CHH	-0.1831
Gm16	21552778	21552835	Gmdrm	hypo	CHH	-0.1275
Gm16	21553013	21554009	Gmdrm	hypo	CHH	-0.0972
Gm16	21554015	21554205	Gmdrm	hypo	CHH	-0.0867
Gm16	21554743	21555739	Gmdrm	hypo	CHH	-0.0155
Gm16	21571244	21572243	Gmdrm	hypo	CHH	-0.0513
Gm16	21610257	21611256	Gmdrm	hypo	CHH	-0.0179
Gm16	21616026	21617025	Gmdrm	hypo	CHH	-0.0449
Gm16	21619077	21619580	Gmdrm	hypo	CHH	-0.0448
Gm16	21622755	21623482	Gmdrm	hypo	CHH	-0.0969
Gm16	21623661	21624596	Gmdrm	hypo	CHH	-0.0143

Gm16	21624745	21625743	Gmdrm	hypo	CHH	-0.0546
Gm16	21658782	21659753	Gmdrm	hypo	CHH	-0.018
Gm16	21660812	21661812	Gmdrm	hypo	CHH	-0.0129
Gm16	21661819	21662811	Gmdrm	hypo	CHH	-0.0165
Gm16	21666498	21667493	Gmdrm	hypo	CHH	-0.0166
Gm16	21669591	21670581	Gmdrm	hypo	CHH	-0.0188
Gm16	21699431	21700426	Gmdrm	hypo	CHH	-0.05
Gm16	21718773	21719773	Gmdrm	hypo	CHH	-0.034
Gm16	21734126	21735110	Gmdrm	hypo	CHH	-0.0906
Gm16	21745799	21746797	Gmdrm	hypo	CHH	-0.0352
Gm16	21785734	21786039	Gmdrm	hypo	CHH	-0.0774
Gm16	21797555	21798551	Gmdrm	hypo	CHH	-0.0788
Gm16	21798582	21799576	Gmdrm	hypo	CHH	-0.0464
Gm16	21824452	21825452	Gmdrm	hypo	CHH	-0.0389
Gm16	21831901	21832865	Gmdrm	hypo	CHH	-0.0235
Gm16	21838868	21839319	Gmdrm	hypo	CHH	-0.0863
Gm16	21839422	21840396	Gmdrm	hypo	CHH	-0.1312
Gm16	21841954	21842565	Gmdrm	hypo	CHH	-0.0981
Gm16	21883193	21883438	Gmdrm	hypo	CHH	-0.0706
Gm16	21886697	21887670	Gmdrm	hypo	CHH	-0.026
Gm16	21891323	21892323	Gmdrm	hypo	CHH	-0.227
Gm16	21894350	21894876	Gmdrm	hypo	CHH	-0.0607
Gm16	21902291	21903291	Gmdrm	hypo	CHH	-0.0683
Gm16	21903549	21904492	Gmdrm	hypo	CHH	-0.0193
Gm16	21949488	21950475	Gmdrm	hypo	CHH	-0.0617
Gm16	21955532	21956501	Gmdrm	hypo	CHH	-0.0313
Gm16	21972009	21972987	Gmdrm	hypo	CHH	-0.0909
Gm16	21980852	21981812	Gmdrm	hypo	CHH	-0.1418
Gm16	21981864	21982834	Gmdrm	hypo	CHH	-0.0492
Gm16	21995897	21996891	Gmdrm	hypo	CHH	-0.0662
Gm16	22023805	22024805	Gmdrm	hypo	CHH	-0.0701
Gm16	22024816	22025248	Gmdrm	hypo	CHH	-0.0968
Gm16	22045629	22045824	Gmdrm	hypo	CHH	-0.1129
Gm16	22077215	22078214	Gmdrm	hypo	CHH	-0.0267
Gm16	22079240	22079551	Gmdrm	hypo	CHH	-0.0624
Gm16	22082921	22083921	Gmdrm	hypo	CHH	-0.0362
Gm16	22102094	22103082	Gmdrm	hypo	CHH	-0.0715
Gm16	22114217	22114434	Gmdrm	hypo	CHH	-0.2266
Gm16	22153511	22154022	Gmdrm	hypo	CHH	-0.0334
Gm16	22160236	22161230	Gmdrm	hypo	CHH	-0.0432
Gm16	22177115	22178113	Gmdrm	hypo	CHH	-0.0262
Gm16	22184418	22185411	Gmdrm	hypo	CHH	-0.1391
Gm16	22185422	22186405	Gmdrm	hypo	CHH	-0.0174
Gm16	22193113	22193221	Gmdrm	hypo	CHH	-0.1036
Gm16	22195202	22196151	Gmdrm	hypo	CHH	-0.1497
Gm16	22196204	22197181	Gmdrm	hypo	CHH	-0.0482

Gm16	22199742	22200741	Gmdrm	hypo	CHH	-0.0665
Gm16	22203831	22204830	Gmdrm	hypo	CHH	-0.0403
Gm16	22367267	22367304	Gmdrm	hypo	CHH	-0.1114
Gm16	22368570	22368690	Gmdrm	hypo	CHH	-0.1038
Gm16	22547878	22548846	Gmdrm	hypo	CHH	-0.0207
Gm16	22810117	22811116	Gmdrm	hypo	CHH	-0.0651
Gm16	22813129	22814129	Gmdrm	hypo	CHH	-0.0339
Gm16	22832837	22833137	Gmdrm	hypo	CHH	-0.0236
Gm16	22834584	22835571	Gmdrm	hypo	CHH	-0.152
Gm16	23023672	23024088	Gmdrm	hypo	CHH	-0.1669
Gm16	23060889	23061889	Gmdrm	hypo	CHH	-0.1653
Gm16	23062906	23063899	Gmdrm	hypo	CHH	-0.0546
Gm16	23064914	23065907	Gmdrm	hypo	CHH	-0.0224
Gm16	23074176	23075175	Gmdrm	hypo	CHH	-0.0345
Gm16	23077201	23077529	Gmdrm	hypo	CHH	-0.1171
Gm16	23102425	23103392	Gmdrm	hypo	CHH	-0.021
Gm16	23104465	23105459	Gmdrm	hypo	CHH	-0.0257
Gm16	23120519	23121517	Gmdrm	hypo	CHH	-0.0363
Gm16	23216661	23216719	Gmdrm	hypo	CHH	-0.082
Gm16	23224403	23225362	Gmdrm	hypo	CHH	-0.0537
Gm16	23227863	23228860	Gmdrm	hypo	CHH	-0.0278
Gm16	23228867	23229863	Gmdrm	hypo	CHH	-0.0262
Gm16	23257390	23258374	Gmdrm	hypo	CHH	-0.0338
Gm16	23311066	23311422	Gmdrm	hypo	CHH	-0.0244
Gm16	23379865	23380848	Gmdrm	hypo	CHH	-0.0432
Gm16	23380901	23381883	Gmdrm	hypo	CHH	-0.1009
Gm16	23614546	23615543	Gmdrm	hypo	CHH	-0.0227
Gm16	23615552	23616476	Gmdrm	hypo	CHH	-0.04
Gm16	23621731	23622707	Gmdrm	hypo	CHH	-0.0261
Gm16	23642077	23642420	Gmdrm	hypo	CHH	-0.146
Gm16	23740480	23740585	Gmdrm	hypo	CHH	-0.1574
Gm16	23758396	23759375	Gmdrm	hypo	CHH	-0.0279
Gm16	23761616	23762607	Gmdrm	hypo	CHH	-0.0879
Gm16	23763613	23764611	Gmdrm	hypo	CHH	-0.0504
Gm16	23841409	23842398	Gmdrm	hypo	CHH	-0.0484
Gm16	23853328	23854326	Gmdrm	hypo	CHH	-0.0422
Gm16	23857949	23858576	Gmdrm	hypo	CHH	-0.0349
Gm16	23858678	23859647	Gmdrm	hypo	CHH	-0.0171
Gm16	23999431	24000431	Gmdrm	hypo	CHH	-0.0762
Gm16	24026246	24026954	Gmdrm	hypo	CHH	-0.0817
Gm16	24027109	24027546	Gmdrm	hypo	CHH	-0.0619
Gm16	24180826	24181825	Gmdrm	hypo	CHH	-0.1183
Gm16	24182060	24183014	Gmdrm	hypo	CHH	-0.128
Gm16	24193824	24194784	Gmdrm	hypo	CHH	-0.0207
Gm16	24217360	24218358	Gmdrm	hypo	CHH	-0.0568
Gm16	24237281	24238281	Gmdrm	hypo	CHH	-0.1233

Gm16	24238285	24239174	Gmdrm	hypo	CHH	-0.081
Gm16	24250363	24251347	Gmdrm	hypo	CHH	-0.0166
Gm16	24255440	24256430	Gmdrm	hypo	CHH	-0.0356
Gm16	24337207	24337434	Gmdrm	hypo	CHH	-0.0527
Gm16	24338580	24339574	Gmdrm	hypo	CHH	-0.0233
Gm16	24451162	24452160	Gmdrm	hypo	CHH	-0.034
Gm16	24481472	24482256	Gmdrm	hypo	CHH	-0.1361
Gm16	24484013	24485008	Gmdrm	hypo	CHH	-0.0293
Gm16	24485016	24486009	Gmdrm	hypo	CHH	-0.0468
Gm16	24515115	24516111	Gmdrm	hypo	CHH	-0.0358
Gm16	24565195	24565363	Gmdrm	hypo	CHH	-0.0513
Gm16	24565471	24566467	Gmdrm	hypo	CHH	-0.0379
Gm16	24566483	24567469	Gmdrm	hypo	CHH	-0.0149
Gm16	24599204	24599902	Gmdrm	hypo	CHH	-0.1662
Gm16	24616479	24617468	Gmdrm	hypo	CHH	-0.0144
Gm16	24628832	24629832	Gmdrm	hypo	CHH	-0.0952
Gm16	24630857	24631468	Gmdrm	hypo	CHH	-0.0223
Gm16	24633633	24634425	Gmdrm	hypo	CHH	-0.0286
Gm16	24652527	24653515	Gmdrm	hypo	CHH	-0.1072
Gm16	24662872	24663856	Gmdrm	hypo	CHH	-0.0117
Gm16	24663886	24664587	Gmdrm	hypo	CHH	-0.03
Gm16	24668271	24668699	Gmdrm	hypo	CHH	-0.0518
Gm16	24668825	24669819	Gmdrm	hypo	CHH	-0.0232
Gm16	24669836	24670833	Gmdrm	hypo	CHH	-0.0452
Gm16	24747812	24748736	Gmdrm	hypo	CHH	-0.0218
Gm16	24749063	24749736	Gmdrm	hypo	CHH	-0.0434
Gm16	24775634	24776634	Gmdrm	hypo	CHH	-0.0364
Gm16	24821204	24822187	Gmdrm	hypo	CHH	-0.0212
Gm16	24834317	24835312	Gmdrm	hypo	CHH	-0.0172
Gm16	24835343	24836258	Gmdrm	hypo	CHH	-0.0826
Gm16	24840177	24841176	Gmdrm	hypo	CHH	-0.0856
Gm16	24856697	24857692	Gmdrm	hypo	CHH	-0.0542
Gm16	24857720	24858686	Gmdrm	hypo	CHH	-0.0387
Gm16	24863120	24863937	Gmdrm	hypo	CHH	-0.0455
Gm16	24864038	24865036	Gmdrm	hypo	CHH	-0.0474
Gm16	24886635	24887632	Gmdrm	hypo	CHH	-0.0361
Gm16	24912841	24913805	Gmdrm	hypo	CHH	-0.125
Gm16	24916937	24917932	Gmdrm	hypo	CHH	-0.0195
Gm16	24922334	24923334	Gmdrm	hypo	CHH	-0.0157
Gm16	24925044	24926034	Gmdrm	hypo	CHH	-0.0297
Gm16	24930678	24931667	Gmdrm	hypo	CHH	-0.0692
Gm16	24956899	24957898	Gmdrm	hypo	CHH	-0.0953
Gm16	24958908	24959076	Gmdrm	hypo	CHH	-0.046
Gm16	24963213	24964210	Gmdrm	hypo	CHH	-0.021
Gm16	24966034	24967032	Gmdrm	hypo	CHH	-0.0403
Gm16	25008086	25009023	Gmdrm	hypo	CHH	-0.0373

Gm16	25016890	25017887	Gmdrm	hypo	CHH	-0.0259
Gm16	25027012	25028012	Gmdrm	hypo	CHH	-0.1517
Gm16	25028062	25029046	Gmdrm	hypo	CHH	-0.0174
Gm16	25031190	25032162	Gmdrm	hypo	CHH	-0.0306
Gm16	25036267	25037265	Gmdrm	hypo	CHH	-0.0388
Gm16	25072673	25073669	Gmdrm	hypo	CHH	-0.0584
Gm16	25092899	25093896	Gmdrm	hypo	CHH	-0.0906
Gm16	25096579	25097575	Gmdrm	hypo	CHH	-0.057
Gm16	25137448	25138443	Gmdrm	hypo	CHH	-0.0583
Gm16	25138451	25139451	Gmdrm	hypo	CHH	-0.0863
Gm16	25142236	25143235	Gmdrm	hypo	CHH	-0.0291
Gm16	25143243	25144234	Gmdrm	hypo	CHH	-0.015
Gm16	25150731	25151532	Gmdrm	hypo	CHH	-0.0898
Gm16	25155652	25156435	Gmdrm	hypo	CHH	-0.0928
Gm16	25163423	25164421	Gmdrm	hypo	CHH	-0.0493
Gm16	25186642	25187639	Gmdrm	hypo	CHH	-0.0297
Gm16	25187645	25188622	Gmdrm	hypo	CHH	-0.0177
Gm16	25192840	25193840	Gmdrm	hypo	CHH	-0.0354
Gm16	25198861	25199853	Gmdrm	hypo	CHH	-0.0385
Gm16	25199872	25200836	Gmdrm	hypo	CHH	-0.0473
Gm16	25209968	25210967	Gmdrm	hypo	CHH	-0.0676
Gm16	25214678	25215663	Gmdrm	hypo	CHH	-0.176
Gm16	25220853	25221847	Gmdrm	hypo	CHH	-0.0628
Gm16	25221854	25222845	Gmdrm	hypo	CHH	-0.0322
Gm16	25233746	25234737	Gmdrm	hypo	CHH	-0.0208
Gm16	25239389	25240084	Gmdrm	hypo	CHH	-0.0315
Gm16	25240205	25241204	Gmdrm	hypo	CHH	-0.2821
Gm16	25241215	25242208	Gmdrm	hypo	CHH	-0.1125
Gm16	25242248	25243246	Gmdrm	hypo	CHH	-0.0288
Gm16	25243251	25243604	Gmdrm	hypo	CHH	-0.094
Gm16	25266065	25267061	Gmdrm	hypo	CHH	-0.0251
Gm16	25271708	25272708	Gmdrm	hypo	CHH	-0.0741
Gm16	25293877	25294382	Gmdrm	hypo	CHH	-0.0461
Gm16	25309714	25310704	Gmdrm	hypo	CHH	-0.0825
Gm16	25314721	25315707	Gmdrm	hypo	CHH	-0.4191
Gm16	25316125	25317125	Gmdrm	hypo	CHH	-0.0757
Gm16	25326182	25327160	Gmdrm	hypo	CHH	-0.1029
Gm16	25328209	25329058	Gmdrm	hypo	CHH	-0.0465
Gm16	25334166	25335165	Gmdrm	hypo	CHH	-0.0694
Gm16	25337285	25338279	Gmdrm	hypo	CHH	-0.0329
Gm16	25375670	25376660	Gmdrm	hypo	CHH	-0.0317
Gm16	25386748	25387382	Gmdrm	hypo	CHH	-0.027
Gm16	25389308	25390112	Gmdrm	hypo	CHH	-0.0576
Gm16	25390479	25391477	Gmdrm	hypo	CHH	-0.0775
Gm16	25393875	25394875	Gmdrm	hypo	CHH	-0.0269
Gm16	25433371	25434110	Gmdrm	hypo	CHH	-0.0532

Gm16	25434359	25435355	Gmdrm	hypo	CHH	-0.0518
Gm16	25439005	25440003	Gmdrm	hypo	CHH	-0.0196
Gm16	25443812	25444113	Gmdrm	hypo	CHH	-0.065
Gm16	25445449	25446415	Gmdrm	hypo	CHH	-0.0408
Gm16	25474475	25474721	Gmdrm	hypo	CHH	-0.0553
Gm16	25475214	25475476	Gmdrm	hypo	CHH	-0.0466
Gm16	25511008	25511956	Gmdrm	hypo	CHH	-0.0209
Gm16	25512953	25513915	Gmdrm	hypo	CHH	-0.014
Gm16	25526755	25527299	Gmdrm	hypo	CHH	-0.018
Gm16	25527883	25528873	Gmdrm	hypo	CHH	-0.0186
Gm16	25528889	25529875	Gmdrm	hypo	CHH	-0.0416
Gm16	25625700	25625900	Gmdrm	hypo	CHH	-0.18
Gm16	25626860	25627160	Gmdrm	hypo	CHH	-0.0617
Gm16	25653219	25654213	Gmdrm	hypo	CHH	-0.0445
Gm16	25657343	25658274	Gmdrm	hypo	CHH	-0.0246
Gm16	25658719	25659667	Gmdrm	hypo	CHH	-0.0246
Gm16	25659739	25660734	Gmdrm	hypo	CHH	-0.0749
Gm16	25797662	25798647	Gmdrm	hypo	CHH	-0.0622
Gm16	25823213	25823918	Gmdrm	hypo	CHH	-0.1575
Gm16	25828822	25829818	Gmdrm	hypo	CHH	-0.0279
Gm16	25829840	25830837	Gmdrm	hypo	CHH	-0.0648
Gm16	25830843	25831569	Gmdrm	hypo	CHH	-0.2166
Gm16	25831833	25832832	Gmdrm	hypo	CHH	-0.0743
Gm16	25833845	25834843	Gmdrm	hypo	CHH	-0.0877
Gm16	25834847	25835845	Gmdrm	hypo	CHH	-0.0363
Gm16	25835865	25836842	Gmdrm	hypo	CHH	-0.0954
Gm16	25836892	25837574	Gmdrm	hypo	CHH	-0.0165
Gm16	25856805	25857785	Gmdrm	hypo	CHH	-0.0554
Gm16	25857813	25858785	Gmdrm	hypo	CHH	-0.0794
Gm16	25865745	25866735	Gmdrm	hypo	CHH	-0.0308
Gm16	25866762	25867753	Gmdrm	hypo	CHH	-0.0488
Gm16	25867780	25868777	Gmdrm	hypo	CHH	-0.0476
Gm16	25873475	25874470	Gmdrm	hypo	CHH	-0.0669
Gm16	25879549	25880517	Gmdrm	hypo	CHH	-0.0221
Gm16	25892955	25893685	Gmdrm	hypo	CHH	-0.1798
Gm16	25895107	25896096	Gmdrm	hypo	CHH	-0.0538
Gm16	25922049	25923047	Gmdrm	hypo	CHH	-0.0793
Gm16	25925069	25926065	Gmdrm	hypo	CHH	-0.024
Gm16	25959424	25960421	Gmdrm	hypo	CHH	-0.0438
Gm16	25966484	25967470	Gmdrm	hypo	CHH	-0.0412
Gm16	25970534	25971530	Gmdrm	hypo	CHH	-0.0246
Gm16	25973563	25974563	Gmdrm	hypo	CHH	-0.0427
Gm16	25984335	25985144	Gmdrm	hypo	CHH	-0.0385
Gm16	25996528	25997204	Gmdrm	hypo	CHH	-0.0248
Gm16	26001160	26002134	Gmdrm	hypo	CHH	-0.0129
Gm16	26009124	26010106	Gmdrm	hypo	CHH	-0.0273

Gm16	26058558	26059537	Gmdrm	hypo	CHH	-0.0332
Gm16	26060494	26061481	Gmdrm	hypo	CHH	-0.1057
Gm16	26061495	26062397	Gmdrm	hypo	CHH	-0.1174
Gm16	26077941	26078881	Gmdrm	hypo	CHH	-0.1288
Gm16	26090189	26091189	Gmdrm	hypo	CHH	-0.0968
Gm16	26091199	26092199	Gmdrm	hypo	CHH	-0.1935
Gm16	26092204	26093180	Gmdrm	hypo	CHH	-0.0431
Gm16	26105013	26106011	Gmdrm	hypo	CHH	-0.0149
Gm16	26109642	26110626	Gmdrm	hypo	CHH	-0.066
Gm16	26247080	26247695	Gmdrm	hypo	CHH	-0.0457
Gm16	26249633	26250110	Gmdrm	hypo	CHH	-0.0773
Gm16	26303325	26303797	Gmdrm	hypo	CHH	-0.2659
Gm16	26306170	26307162	Gmdrm	hypo	CHH	-0.0452
Gm16	26307173	26308156	Gmdrm	hypo	CHH	-0.0424
Gm16	26344286	26345280	Gmdrm	hypo	CHH	-0.0583
Gm16	26345287	26345765	Gmdrm	hypo	CHH	-0.0952
Gm16	26407039	26408011	Gmdrm	hypo	CHH	-0.0737
Gm16	26421093	26422087	Gmdrm	hypo	CHH	-0.0622
Gm16	26422113	26423111	Gmdrm	hypo	CHH	-0.0465
Gm16	26438063	26439021	Gmdrm	hypo	CHH	-0.0213
Gm16	26439220	26439782	Gmdrm	hypo	CHH	-0.037
Gm16	26446509	26447497	Gmdrm	hypo	CHH	-0.0542
Gm16	26447870	26448839	Gmdrm	hypo	CHH	-0.038
Gm16	26451779	26452779	Gmdrm	hypo	CHH	-0.2553
Gm16	26456361	26456847	Gmdrm	hypo	CHH	-0.1055
Gm16	26482270	26483268	Gmdrm	hypo	CHH	-0.0249
Gm16	26527190	26528184	Gmdrm	hypo	CHH	-0.104
Gm16	26528198	26529160	Gmdrm	hypo	CHH	-0.193
Gm16	26557614	26558611	Gmdrm	hypo	CHH	-0.0488
Gm16	26574662	26575656	Gmdrm	hypo	CHH	-0.113
Gm16	26599913	26600903	Gmdrm	hypo	CHH	-0.0564
Gm16	26603713	26604357	Gmdrm	hypo	CHH	-0.1311
Gm16	26643354	26643841	Gmdrm	hypo	CHH	-0.02
Gm16	26660891	26661891	Gmdrm	hypo	CHH	-0.0742
Gm16	26672313	26673309	Gmdrm	hypo	CHH	-0.0446
Gm16	26673314	26674312	Gmdrm	hypo	CHH	-0.0358
Gm16	26674330	26675321	Gmdrm	hypo	CHH	-0.0324
Gm16	26702451	26703446	Gmdrm	hypo	CHH	-0.2712
Gm16	26703458	26704436	Gmdrm	hypo	CHH	-0.0729
Gm16	26706003	26707002	Gmdrm	hypo	CHH	-0.0907
Gm16	26718164	26719163	Gmdrm	hypo	CHH	-0.0422
Gm16	26720168	26721148	Gmdrm	hypo	CHH	-0.0386
Gm16	26724196	26725162	Gmdrm	hypo	CHH	-0.0534
Gm16	26727696	26728470	Gmdrm	hypo	CHH	-0.0135
Gm16	26729215	26729367	Gmdrm	hypo	CHH	-0.084
Gm16	26729485	26730471	Gmdrm	hypo	CHH	-0.0277

Gm16	26730493	26731493	Gmdrm	hypo	CHH	-0.062
Gm16	26754766	26755764	Gmdrm	hypo	CHH	-0.0359
Gm16	26756768	26757767	Gmdrm	hypo	CHH	-0.0534
Gm16	26757774	26758773	Gmdrm	hypo	CHH	-0.0959
Gm16	26759528	26760506	Gmdrm	hypo	CHH	-0.0424
Gm16	26782244	26783237	Gmdrm	hypo	CHH	-0.0498
Gm16	26787294	26788290	Gmdrm	hypo	CHH	-0.0598
Gm16	26800550	26801549	Gmdrm	hypo	CHH	-0.022
Gm16	26801552	26802548	Gmdrm	hypo	CHH	-0.0359
Gm16	26820737	26821723	Gmdrm	hypo	CHH	-0.021
Gm16	26840197	26841197	Gmdrm	hypo	CHH	-0.0244
Gm16	26848249	26849233	Gmdrm	hypo	CHH	-0.0294
Gm16	26849261	26850259	Gmdrm	hypo	CHH	-0.0739
Gm16	26851287	26852279	Gmdrm	hypo	CHH	-0.0391
Gm16	26852294	26853285	Gmdrm	hypo	CHH	-0.023
Gm16	26855742	26856739	Gmdrm	hypo	CHH	-0.0417
Gm16	26857765	26858754	Gmdrm	hypo	CHH	-0.0097
Gm16	26868148	26869138	Gmdrm	hypo	CHH	-0.0422
Gm16	26872120	26873103	Gmdrm	hypo	CHH	-0.1288
Gm16	26874177	26875162	Gmdrm	hypo	CHH	-0.1149
Gm16	26880897	26881859	Gmdrm	hypo	CHH	-0.0265
Gm16	26889407	26890401	Gmdrm	hypo	CHH	-0.0525
Gm16	26891410	26892158	Gmdrm	hypo	CHH	-0.0345
Gm16	26892266	26893228	Gmdrm	hypo	CHH	-0.025
Gm16	26893271	26894231	Gmdrm	hypo	CHH	-0.0161
Gm16	26897312	26898299	Gmdrm	hypo	CHH	-0.0572
Gm16	26898314	26899313	Gmdrm	hypo	CHH	-0.0685
Gm16	26901329	26902292	Gmdrm	hypo	CHH	-0.075
Gm16	26904361	26905355	Gmdrm	hypo	CHH	-0.0193
Gm16	26957350	26958347	Gmdrm	hypo	CHH	-0.0227
Gm16	26977544	26978542	Gmdrm	hypo	CHH	-0.0186
Gm16	26979592	26980590	Gmdrm	hypo	CHH	-0.0478
Gm16	26986443	26987408	Gmdrm	hypo	CHH	-0.0219
Gm16	27016912	27017911	Gmdrm	hypo	CHH	-0.0476
Gm16	27017914	27018896	Gmdrm	hypo	CHH	-0.0395
Gm16	27025001	27025993	Gmdrm	hypo	CHH	-0.0517
Gm16	27028694	27029682	Gmdrm	hypo	CHH	-0.0225
Gm16	27040757	27041754	Gmdrm	hypo	CHH	-0.065
Gm16	27041758	27042755	Gmdrm	hypo	CHH	-0.0238
Gm16	27042768	27043576	Gmdrm	hypo	CHH	-0.0147
Gm16	27044992	27045986	Gmdrm	hypo	CHH	-0.0653
Gm16	27048729	27049273	Gmdrm	hypo	CHH	-0.2392
Gm16	27060242	27061235	Gmdrm	hypo	CHH	-0.0636
Gm16	27101713	27102695	Gmdrm	hypo	CHH	-0.0998
Gm16	27124054	27125048	Gmdrm	hypo	CHH	-0.0398
Gm16	27125855	27126814	Gmdrm	hypo	CHH	-0.0326

Gm16	27167471	27168463	Gmdrm	hypo	CHH	-0.0327
Gm16	27170509	27171501	Gmdrm	hypo	CHH	-0.0136
Gm16	27185767	27186766	Gmdrm	hypo	CHH	-0.0806
Gm16	27191064	27192023	Gmdrm	hypo	CHH	-0.0171
Gm16	27220595	27221348	Gmdrm	hypo	CHH	-0.0472
Gm16	27226176	27227175	Gmdrm	hypo	CHH	-0.0561
Gm16	27227178	27228172	Gmdrm	hypo	CHH	-0.1181
Gm16	27230242	27231240	Gmdrm	hypo	CHH	-0.0389
Gm16	27251242	27252235	Gmdrm	hypo	CHH	-0.0313
Gm16	27252323	27253317	Gmdrm	hypo	CHH	-0.0984
Gm16	27253324	27254321	Gmdrm	hypo	CHH	-0.1646
Gm16	27254750	27255744	Gmdrm	hypo	CHH	-0.0412
Gm16	27271567	27272541	Gmdrm	hypo	CHH	-0.0387
Gm16	27281493	27282460	Gmdrm	hypo	CHH	-0.0358
Gm16	27295993	27296971	Gmdrm	hypo	CHH	-0.045
Gm16	27299011	27299400	Gmdrm	hypo	CHH	-0.0775
Gm16	27308853	27308942	Gmdrm	hypo	CHH	-0.0687
Gm16	27315871	27316858	Gmdrm	hypo	CHH	-0.0467
Gm16	27334795	27335787	Gmdrm	hypo	CHH	-0.0242
Gm16	27335804	27336752	Gmdrm	hypo	CHH	-0.1003
Gm16	27337355	27338354	Gmdrm	hypo	CHH	-0.0191
Gm16	27338380	27339349	Gmdrm	hypo	CHH	-0.0198
Gm16	27341121	27342109	Gmdrm	hypo	CHH	-0.0401
Gm16	27366840	27367812	Gmdrm	hypo	CHH	-0.0775
Gm16	27375239	27376238	Gmdrm	hypo	CHH	-0.159
Gm16	27376251	27376469	Gmdrm	hypo	CHH	-0.1726
Gm16	27376751	27377697	Gmdrm	hypo	CHH	-0.1622
Gm16	27386622	27387619	Gmdrm	hypo	CHH	-0.0681
Gm16	27387626	27388621	Gmdrm	hypo	CHH	-0.0378
Gm16	27390207	27391203	Gmdrm	hypo	CHH	-0.0583
Gm16	27391208	27392202	Gmdrm	hypo	CHH	-0.081
Gm16	27398511	27399492	Gmdrm	hypo	CHH	-0.0123
Gm16	27402592	27403591	Gmdrm	hypo	CHH	-0.0497
Gm16	27415043	27415995	Gmdrm	hypo	CHH	-0.0789
Gm16	27416046	27417037	Gmdrm	hypo	CHH	-0.2022
Gm16	27417049	27418046	Gmdrm	hypo	CHH	-0.1754
Gm16	27418064	27419064	Gmdrm	hypo	CHH	-0.2351
Gm16	27419067	27419289	Gmdrm	hypo	CHH	-0.0323
Gm16	27425735	27426733	Gmdrm	hypo	CHH	-0.0126
Gm16	27426747	27427733	Gmdrm	hypo	CHH	-0.0207
Gm16	27431323	27432257	Gmdrm	hypo	CHH	-0.0219
Gm16	27440951	27441951	Gmdrm	hypo	CHH	-0.068
Gm16	27441955	27442947	Gmdrm	hypo	CHH	-0.0565
Gm16	27442961	27443960	Gmdrm	hypo	CHH	-0.0887
Gm16	27443967	27444447	Gmdrm	hypo	CHH	-0.0787
Gm16	27444588	27444916	Gmdrm	hypo	CHH	-0.1366

Gm16	27448262	27449257	Gmdrm	hypo	CHH	-0.031
Gm16	27456339	27457290	Gmdrm	hypo	CHH	-0.0508
Gm16	27462267	27463229	Gmdrm	hypo	CHH	-0.0206
Gm16	27471348	27472267	Gmdrm	hypo	CHH	-0.055
Gm16	27485878	27486871	Gmdrm	hypo	CHH	-0.0213
Gm16	27493459	27494448	Gmdrm	hypo	CHH	-0.0485
Gm16	27494782	27495782	Gmdrm	hypo	CHH	-0.0933
Gm16	27506932	27507845	Gmdrm	hypo	CHH	-0.1316
Gm16	27520697	27521680	Gmdrm	hypo	CHH	-0.1957
Gm16	27531781	27532780	Gmdrm	hypo	CHH	-0.0378
Gm16	27557623	27558615	Gmdrm	hypo	CHH	-0.0477
Gm16	27558624	27559615	Gmdrm	hypo	CHH	-0.0362
Gm16	27564692	27565676	Gmdrm	hypo	CHH	-0.0518
Gm16	27565707	27566693	Gmdrm	hypo	CHH	-0.0573
Gm16	27566714	27567713	Gmdrm	hypo	CHH	-0.0403
Gm16	27570800	27571798	Gmdrm	hypo	CHH	-0.0428
Gm16	27599638	27600636	Gmdrm	hypo	CHH	-0.0194
Gm16	27606687	27607655	Gmdrm	hypo	CHH	-0.0307
Gm16	27619370	27620229	Gmdrm	hypo	CHH	-0.1469
Gm16	27621599	27622561	Gmdrm	hypo	CHH	-0.2167
Gm16	27623138	27624136	Gmdrm	hypo	CHH	-0.0466
Gm16	27624163	27625157	Gmdrm	hypo	CHH	-0.0318
Gm16	27625962	27626251	Gmdrm	hypo	CHH	-0.0937
Gm16	27636250	27637242	Gmdrm	hypo	CHH	-0.0629
Gm16	27648427	27649425	Gmdrm	hypo	CHH	-0.1247
Gm16	27649437	27650417	Gmdrm	hypo	CHH	-0.0842
Gm16	27653577	27654576	Gmdrm	hypo	CHH	-0.0865
Gm16	27654591	27655556	Gmdrm	hypo	CHH	-0.0851
Gm16	27658114	27659114	Gmdrm	hypo	CHH	-0.0781
Gm16	27659115	27660088	Gmdrm	hypo	CHH	-0.0558
Gm16	27662157	27663155	Gmdrm	hypo	CHH	-0.0157
Gm16	27663183	27664180	Gmdrm	hypo	CHH	-0.03
Gm16	27675241	27676232	Gmdrm	hypo	CHH	-0.1096
Gm16	27676242	27677242	Gmdrm	hypo	CHH	-0.1737
Gm16	27677249	27677756	Gmdrm	hypo	CHH	-0.0474
Gm16	27679986	27680983	Gmdrm	hypo	CHH	-0.0845
Gm16	27686150	27687141	Gmdrm	hypo	CHH	-0.0393
Gm16	27693264	27694256	Gmdrm	hypo	CHH	-0.1448
Gm16	27694265	27695259	Gmdrm	hypo	CHH	-0.0857
Gm16	27696328	27697327	Gmdrm	hypo	CHH	-0.0588
Gm16	27697330	27698280	Gmdrm	hypo	CHH	-0.0716
Gm16	27698334	27699324	Gmdrm	hypo	CHH	-0.0751
Gm16	27699352	27700286	Gmdrm	hypo	CHH	-0.0553
Gm16	27701186	27702176	Gmdrm	hypo	CHH	-0.016
Gm16	27720816	27721811	Gmdrm	hypo	CHH	-0.0314
Gm16	27722320	27723050	Gmdrm	hypo	CHH	-0.0244

Gm16	27724182	27725177	Gmdrm	hypo	CHH	-0.0311
Gm16	27726219	27727196	Gmdrm	hypo	CHH	-0.012
Gm16	27736251	27737078	Gmdrm	hypo	CHH	-0.0423
Gm16	27740869	27741829	Gmdrm	hypo	CHH	-0.0182
Gm16	27750936	27751321	Gmdrm	hypo	CHH	-0.1453
Gm16	27751467	27752282	Gmdrm	hypo	CHH	-0.0523
Gm16	27756881	27757855	Gmdrm	hypo	CHH	-0.0166
Gm16	27757883	27758865	Gmdrm	hypo	CHH	-0.0415
Gm16	27760982	27761930	Gmdrm	hypo	CHH	-0.0284
Gm16	27764406	27765404	Gmdrm	hypo	CHH	-0.0111
Gm16	27766651	27767645	Gmdrm	hypo	CHH	-0.1047
Gm16	27769421	27770420	Gmdrm	hypo	CHH	-0.0368
Gm16	27782472	27783458	Gmdrm	hypo	CHH	-0.0383
Gm16	27792346	27793343	Gmdrm	hypo	CHH	-0.0264
Gm16	27793360	27794225	Gmdrm	hypo	CHH	-0.0743
Gm16	27794330	27795320	Gmdrm	hypo	CHH	-0.0448
Gm16	27799388	27800374	Gmdrm	hypo	CHH	-0.0435
Gm16	27802227	27803225	Gmdrm	hypo	CHH	-0.0346
Gm16	27803231	27803871	Gmdrm	hypo	CHH	-0.0273
Gm16	27805650	27806650	Gmdrm	hypo	CHH	-0.0256
Gm16	27807700	27808297	Gmdrm	hypo	CHH	-0.0185
Gm16	27810012	27811008	Gmdrm	hypo	CHH	-0.0161
Gm16	27826207	27827199	Gmdrm	hypo	CHH	-0.0297
Gm16	27831522	27832519	Gmdrm	hypo	CHH	-0.0592
Gm16	27842311	27843295	Gmdrm	hypo	CHH	-0.0193
Gm16	27857003	27857977	Gmdrm	hypo	CHH	-0.0337
Gm16	27858035	27859033	Gmdrm	hypo	CHH	-0.0597
Gm16	27859037	27860037	Gmdrm	hypo	CHH	-0.0312
Gm16	27865941	27866939	Gmdrm	hypo	CHH	-0.0423
Gm16	27866942	27867924	Gmdrm	hypo	CHH	-0.029
Gm16	27867947	27868946	Gmdrm	hypo	CHH	-0.03
Gm16	27868960	27869922	Gmdrm	hypo	CHH	-0.0293
Gm16	27869974	27870956	Gmdrm	hypo	CHH	-0.0193
Gm16	27874445	27875441	Gmdrm	hypo	CHH	-0.0418
Gm16	27875484	27876271	Gmdrm	hypo	CHH	-0.019
Gm16	27876834	27877792	Gmdrm	hypo	CHH	-0.0209
Gm16	27877840	27878826	Gmdrm	hypo	CHH	-0.0297
Gm16	27881887	27882879	Gmdrm	hypo	CHH	-0.0143
Gm16	27885551	27886445	Gmdrm	hypo	CHH	-0.0821
Gm16	27902683	27903381	Gmdrm	hypo	CHH	-0.0454
Gm16	27908173	27909120	Gmdrm	hypo	CHH	-0.0216
Gm16	27909174	27909301	Gmdrm	hypo	CHH	-0.0813
Gm16	27921827	27922804	Gmdrm	hypo	CHH	-0.0256
Gm16	27925662	27926657	Gmdrm	hypo	CHH	-0.0111
Gm16	27935058	27936051	Gmdrm	hypo	CHH	-0.0337
Gm16	27936064	27937061	Gmdrm	hypo	CHH	-0.0547

Gm16	27942602	27943588	Gmdrm	hypo	CHH	-0.0466
Gm16	27947822	27948819	Gmdrm	hypo	CHH	-0.0371
Gm16	27955328	27956310	Gmdrm	hypo	CHH	-0.0756
Gm16	27956706	27957705	Gmdrm	hypo	CHH	-0.0364
Gm16	27957744	27958704	Gmdrm	hypo	CHH	-0.0699
Gm16	27968667	27969663	Gmdrm	hypo	CHH	-0.1526
Gm16	27983308	27984303	Gmdrm	hypo	CHH	-0.06
Gm16	27985317	27986312	Gmdrm	hypo	CHH	-0.0153
Gm16	27991123	27992123	Gmdrm	hypo	CHH	-0.0614
Gm16	27992124	27993124	Gmdrm	hypo	CHH	-0.0221
Gm16	28012122	28013020	Gmdrm	hypo	CHH	-0.0862
Gm16	28040449	28041448	Gmdrm	hypo	CHH	-0.0198
Gm16	28062175	28063069	Gmdrm	hypo	CHH	-0.0356
Gm16	28078112	28079109	Gmdrm	hypo	CHH	-0.018
Gm16	28084511	28085498	Gmdrm	hypo	CHH	-0.2402
Gm16	28094088	28094971	Gmdrm	hypo	CHH	-0.0229
Gm16	28114274	28115058	Gmdrm	hypo	CHH	-0.0259
Gm16	28119185	28119505	Gmdrm	hypo	CHH	-0.0809
Gm16	28121642	28122629	Gmdrm	hypo	CHH	-0.0426
Gm16	28122659	28123657	Gmdrm	hypo	CHH	-0.0586
Gm16	28134116	28135108	Gmdrm	hypo	CHH	-0.0289
Gm16	28135126	28136123	Gmdrm	hypo	CHH	-0.0281
Gm16	28136127	28137125	Gmdrm	hypo	CHH	-0.0473
Gm16	28137130	28138098	Gmdrm	hypo	CHH	-0.0106
Gm16	28148982	28149967	Gmdrm	hypo	CHH	-0.0774
Gm16	28149990	28150962	Gmdrm	hypo	CHH	-0.0829
Gm16	28152426	28153426	Gmdrm	hypo	CHH	-0.0562
Gm16	28154458	28155452	Gmdrm	hypo	CHH	-0.0492
Gm16	28155471	28156463	Gmdrm	hypo	CHH	-0.0267
Gm16	28156495	28157147	Gmdrm	hypo	CHH	-0.1939
Gm16	28168728	28169727	Gmdrm	hypo	CHH	-0.0679
Gm16	28169754	28170753	Gmdrm	hypo	CHH	-0.0441
Gm16	28170757	28171754	Gmdrm	hypo	CHH	-0.0426
Gm16	28173803	28174794	Gmdrm	hypo	CHH	-0.0603
Gm16	28174812	28175493	Gmdrm	hypo	CHH	-0.015
Gm16	28176753	28177753	Gmdrm	hypo	CHH	-0.1651
Gm16	28177756	28178746	Gmdrm	hypo	CHH	-0.1685
Gm16	28180369	28181362	Gmdrm	hypo	CHH	-0.2606
Gm16	28184358	28184430	Gmdrm	hypo	CHH	-0.1
Gm16	28184963	28185465	Gmdrm	hypo	CHH	-0.0911
Gm16	28192324	28193323	Gmdrm	hypo	CHH	-0.0553
Gm16	28193335	28194334	Gmdrm	hypo	CHH	-0.0782
Gm16	28194353	28195343	Gmdrm	hypo	CHH	-0.1126
Gm16	28196388	28197364	Gmdrm	hypo	CHH	-0.08
Gm16	28198400	28199354	Gmdrm	hypo	CHH	-0.0765
Gm16	28202788	28203780	Gmdrm	hypo	CHH	-0.0609

Gm16	28203791	28204759	Gmdrm	hypo	CHH	-0.0392
Gm16	28210606	28210838	Gmdrm	hypo	CHH	-0.1923
Gm16	28221136	28222135	Gmdrm	hypo	CHH	-0.0177
Gm16	28232110	28233096	Gmdrm	hypo	CHH	-0.0286
Gm16	28233115	28234069	Gmdrm	hypo	CHH	-0.0291
Gm16	28239282	28240251	Gmdrm	hypo	CHH	-0.0307
Gm16	28240288	28241068	Gmdrm	hypo	CHH	-0.0331
Gm16	28247250	28248210	Gmdrm	hypo	CHH	-0.1408
Gm16	28249825	28250822	Gmdrm	hypo	CHH	-0.0129
Gm16	28276186	28277177	Gmdrm	hypo	CHH	-0.0741
Gm16	28281679	28282676	Gmdrm	hypo	CHH	-0.1759
Gm16	28286651	28287628	Gmdrm	hypo	CHH	-0.2531
Gm16	28306912	28307912	Gmdrm	hypo	CHH	-0.0517
Gm16	28307940	28308925	Gmdrm	hypo	CHH	-0.0129
Gm16	28323096	28324094	Gmdrm	hypo	CHH	-0.0927
Gm16	28338843	28339832	Gmdrm	hypo	CHH	-0.0428
Gm16	28342661	28343660	Gmdrm	hypo	CHH	-0.0479
Gm16	28345713	28346545	Gmdrm	hypo	CHH	-0.0296
Gm16	28348721	28349120	Gmdrm	hypo	CHH	-0.2607
Gm16	28354354	28355354	Gmdrm	hypo	CHH	-0.1982
Gm16	28365227	28366218	Gmdrm	hypo	CHH	-0.0699
Gm16	28366399	28366428	Gmdrm	hypo	CHH	-0.13
Gm16	28367652	28368646	Gmdrm	hypo	CHH	-0.0353
Gm16	28370678	28371678	Gmdrm	hypo	CHH	-0.0221
Gm16	28371684	28372677	Gmdrm	hypo	CHH	-0.0428
Gm16	28447342	28448318	Gmdrm	hypo	CHH	-0.0446
Gm16	28448343	28449340	Gmdrm	hypo	CHH	-0.0183
Gm16	28449562	28450555	Gmdrm	hypo	CHH	-0.0741
Gm16	28452821	28453816	Gmdrm	hypo	CHH	-0.0989
Gm16	28454826	28455815	Gmdrm	hypo	CHH	-0.07
Gm16	28461603	28462595	Gmdrm	hypo	CHH	-0.0413
Gm16	28463619	28464618	Gmdrm	hypo	CHH	-0.1223
Gm16	28464620	28465617	Gmdrm	hypo	CHH	-0.0644
Gm16	28467182	28468182	Gmdrm	hypo	CHH	-0.0245
Gm16	28473432	28474428	Gmdrm	hypo	CHH	-0.0629
Gm16	28474439	28475436	Gmdrm	hypo	CHH	-0.0387
Gm16	28480345	28481340	Gmdrm	hypo	CHH	-0.0232
Gm16	28483392	28483898	Gmdrm	hypo	CHH	-0.1097
Gm16	28484007	28484468	Gmdrm	hypo	CHH	-0.0424
Gm16	28487638	28488623	Gmdrm	hypo	CHH	-0.1271
Gm16	28489662	28490104	Gmdrm	hypo	CHH	-0.0173
Gm16	28506254	28507250	Gmdrm	hypo	CHH	-0.1642
Gm16	28507262	28507814	Gmdrm	hypo	CHH	-0.2367
Gm16	28508166	28508729	Gmdrm	hypo	CHH	-0.1482
Gm16	28508962	28509961	Gmdrm	hypo	CHH	-0.0605
Gm16	28523770	28524760	Gmdrm	hypo	CHH	-0.1313

Gm16	28524775	28524821	Gmdrm	hypo	CHH	-0.1683
Gm16	28525601	28525677	Gmdrm	hypo	CHH	-0.2875
Gm16	28540995	28541960	Gmdrm	hypo	CHH	-0.0235
Gm16	28547852	28548846	Gmdrm	hypo	CHH	-0.0809
Gm16	28558729	28559722	Gmdrm	hypo	CHH	-0.0175
Gm16	28559738	28560732	Gmdrm	hypo	CHH	-0.0169
Gm16	28561747	28562736	Gmdrm	hypo	CHH	-0.0273
Gm16	28565871	28566871	Gmdrm	hypo	CHH	-0.2174
Gm16	28570914	28571572	Gmdrm	hypo	CHH	-0.016
Gm16	28579796	28580792	Gmdrm	hypo	CHH	-0.0477
Gm16	28583870	28584863	Gmdrm	hypo	CHH	-0.0175
Gm16	28585798	28586790	Gmdrm	hypo	CHH	-0.0209
Gm16	28596638	28597638	Gmdrm	hypo	CHH	-0.1768
Gm16	28597641	28598601	Gmdrm	hypo	CHH	-0.2584
Gm16	28598673	28599648	Gmdrm	hypo	CHH	-0.2333
Gm16	28621842	28622832	Gmdrm	hypo	CHH	-0.0911
Gm16	28623627	28624625	Gmdrm	hypo	CHH	-0.0329
Gm16	28635279	28636277	Gmdrm	hypo	CHH	-0.0481
Gm16	28636289	28637289	Gmdrm	hypo	CHH	-0.0941
Gm16	28640362	28641346	Gmdrm	hypo	CHH	-0.1047
Gm16	28664306	28665268	Gmdrm	hypo	CHH	-0.0262
Gm16	28683454	28684450	Gmdrm	hypo	CHH	-0.0388
Gm16	28709111	28710107	Gmdrm	hypo	CHH	-0.0428
Gm16	28712132	28713131	Gmdrm	hypo	CHH	-0.0454
Gm16	28722288	28723287	Gmdrm	hypo	CHH	-0.0682
Gm16	28729748	28730745	Gmdrm	hypo	CHH	-0.0264
Gm16	28730755	28731739	Gmdrm	hypo	CHH	-0.0168
Gm16	28733772	28734759	Gmdrm	hypo	CHH	-0.0973
Gm16	28734795	28735780	Gmdrm	hypo	CHH	-0.0148
Gm16	28737664	28738664	Gmdrm	hypo	CHH	-0.0628
Gm16	28742608	28743567	Gmdrm	hypo	CHH	-0.0236
Gm16	28743622	28744595	Gmdrm	hypo	CHH	-0.0203
Gm16	28749334	28750332	Gmdrm	hypo	CHH	-0.0765
Gm16	28750337	28751263	Gmdrm	hypo	CHH	-0.0995
Gm16	28756348	28757329	Gmdrm	hypo	CHH	-0.02
Gm16	28759381	28760361	Gmdrm	hypo	CHH	-0.0204
Gm16	28760383	28761381	Gmdrm	hypo	CHH	-0.0402
Gm16	28761384	28762373	Gmdrm	hypo	CHH	-0.0433
Gm16	28767851	28768243	Gmdrm	hypo	CHH	-0.06
Gm16	28772072	28772727	Gmdrm	hypo	CHH	-0.1324
Gm16	28772986	28773912	Gmdrm	hypo	CHH	-0.0476
Gm16	28774054	28775047	Gmdrm	hypo	CHH	-0.0411
Gm16	28802365	28803363	Gmdrm	hypo	CHH	-0.0268
Gm16	28817768	28818748	Gmdrm	hypo	CHH	-0.0557
Gm16	28821719	28822713	Gmdrm	hypo	CHH	-0.0252
Gm16	28822732	28823723	Gmdrm	hypo	CHH	-0.1468

Gm16	28832352	28833154	Gmdrm	hypo	CHH	-0.027
Gm16	28852393	28853393	Gmdrm	hypo	CHH	-0.0685
Gm16	28853397	28854360	Gmdrm	hypo	CHH	-0.0406
Gm16	28859984	28860975	Gmdrm	hypo	CHH	-0.0648
Gm16	28860997	28861972	Gmdrm	hypo	CHH	-0.0398
Gm16	28862327	28863310	Gmdrm	hypo	CHH	-0.0614
Gm16	28872752	28873706	Gmdrm	hypo	CHH	-0.0432
Gm16	28879378	28879704	Gmdrm	hypo	CHH	-0.1616
Gm16	28910505	28911505	Gmdrm	hypo	CHH	-0.0794
Gm16	28911511	28911971	Gmdrm	hypo	CHH	-0.0574
Gm16	28928313	28929280	Gmdrm	hypo	CHH	-0.0505
Gm16	28931486	28932481	Gmdrm	hypo	CHH	-0.033
Gm16	28932507	28933502	Gmdrm	hypo	CHH	-0.0572
Gm16	28941333	28942332	Gmdrm	hypo	CHH	-0.035
Gm16	28942336	28943334	Gmdrm	hypo	CHH	-0.0356
Gm16	28947224	28948188	Gmdrm	hypo	CHH	-0.043
Gm16	28953744	28953955	Gmdrm	hypo	CHH	-0.03
Gm16	28987386	28988383	Gmdrm	hypo	CHH	-0.0316
Gm16	28993163	28994154	Gmdrm	hypo	CHH	-0.0195
Gm16	29007281	29007299	Gmdrm	hypo	CHH	-0.178
Gm16	29023052	29023382	Gmdrm	hypo	CHH	-0.0233
Gm16	29035173	29036156	Gmdrm	hypo	CHH	-0.0162
Gm16	29040429	29041417	Gmdrm	hypo	CHH	-0.0171
Gm16	29046717	29047128	Gmdrm	hypo	CHH	-0.0286
Gm16	29047357	29048350	Gmdrm	hypo	CHH	-0.0671
Gm16	29055810	29056808	Gmdrm	hypo	CHH	-0.0144
Gm16	29060682	29061680	Gmdrm	hypo	CHH	-0.0111
Gm16	29105727	29106370	Gmdrm	hypo	CHH	-0.0273
Gm16	29129772	29130764	Gmdrm	hypo	CHH	-0.0696
Gm16	29134428	29135426	Gmdrm	hypo	CHH	-0.0523
Gm16	29135429	29136427	Gmdrm	hypo	CHH	-0.0595
Gm16	29136430	29137426	Gmdrm	hypo	CHH	-0.1003
Gm16	29137434	29137861	Gmdrm	hypo	CHH	-0.0444
Gm16	29138172	29139170	Gmdrm	hypo	CHH	-0.0487
Gm16	29140259	29141259	Gmdrm	hypo	CHH	-0.0243
Gm16	29141262	29142256	Gmdrm	hypo	CHH	-0.0314
Gm16	29149392	29150085	Gmdrm	hypo	CHH	-0.0809
Gm16	29156492	29157490	Gmdrm	hypo	CHH	-0.0987
Gm16	29157494	29158484	Gmdrm	hypo	CHH	-0.0864
Gm16	29160228	29161225	Gmdrm	hypo	CHH	-0.0402
Gm16	29163291	29164286	Gmdrm	hypo	CHH	-0.0366
Gm16	29164297	29165266	Gmdrm	hypo	CHH	-0.0582
Gm16	29166366	29167357	Gmdrm	hypo	CHH	-0.0169
Gm16	29175523	29175783	Gmdrm	hypo	CHH	-0.0564
Gm16	29206081	29207035	Gmdrm	hypo	CHH	-0.0152
Gm16	29209859	29210829	Gmdrm	hypo	CHH	-0.0228

Gm16	29213033	29213409	Gmdrm	hypo	CHH	-0.1
Gm16	29228176	29229174	Gmdrm	hypo	CHH	-0.0135
Gm16	29237211	29237786	Gmdrm	hypo	CHH	-0.0197
Gm16	29237905	29238899	Gmdrm	hypo	CHH	-0.0518
Gm16	29238915	29239914	Gmdrm	hypo	CHH	-0.032
Gm16	29240935	29241935	Gmdrm	hypo	CHH	-0.0271
Gm16	29248500	29249495	Gmdrm	hypo	CHH	-0.0259
Gm16	29254184	29255152	Gmdrm	hypo	CHH	-0.0168
Gm16	29267208	29268191	Gmdrm	hypo	CHH	-0.0122
Gm16	29268263	29268427	Gmdrm	hypo	CHH	-0.085
Gm16	29268533	29268619	Gmdrm	hypo	CHH	-0.0317
Gm16	29275575	29276575	Gmdrm	hypo	CHH	-0.0382
Gm16	29278591	29279590	Gmdrm	hypo	CHH	-0.0212
Gm16	29280611	29281607	Gmdrm	hypo	CHH	-0.0502
Gm16	29281619	29282595	Gmdrm	hypo	CHH	-0.0608
Gm16	29287661	29288660	Gmdrm	hypo	CHH	-0.0439
Gm16	29310269	29310801	Gmdrm	hypo	CHH	-0.0224
Gm16	29312480	29313434	Gmdrm	hypo	CHH	-0.0121
Gm16	29323111	29324105	Gmdrm	hypo	CHH	-0.0222
Gm16	29324114	29324460	Gmdrm	hypo	CHH	-0.0581
Gm16	29332164	29332478	Gmdrm	hypo	CHH	-0.06
Gm16	29333996	29334985	Gmdrm	hypo	CHH	-0.0184
Gm16	29335007	29335346	Gmdrm	hypo	CHH	-0.037
Gm16	29337316	29338188	Gmdrm	hypo	CHH	-0.0241
Gm16	29341868	29342405	Gmdrm	hypo	CHH	-0.1057
Gm16	29347605	29348600	Gmdrm	hypo	CHH	-0.04
Gm16	29351933	29352922	Gmdrm	hypo	CHH	-0.0215
Gm16	29363017	29364011	Gmdrm	hypo	CHH	-0.0338
Gm16	29368342	29369328	Gmdrm	hypo	CHH	-0.0428
Gm16	29369350	29370345	Gmdrm	hypo	CHH	-0.0831
Gm16	29370360	29371344	Gmdrm	hypo	CHH	-0.0322
Gm16	29379294	29380276	Gmdrm	hypo	CHH	-0.0207
Gm16	29388016	29388967	Gmdrm	hypo	CHH	-0.1479
Gm16	29391355	29392354	Gmdrm	hypo	CHH	-0.0366
Gm16	29394871	29395867	Gmdrm	hypo	CHH	-0.0708
Gm16	29395881	29396877	Gmdrm	hypo	CHH	-0.0483
Gm16	29403703	29404696	Gmdrm	hypo	CHH	-0.0253
Gm16	29406733	29407710	Gmdrm	hypo	CHH	-0.0165
Gm16	29415074	29416065	Gmdrm	hypo	CHH	-0.0449
Gm16	29432219	29433110	Gmdrm	hypo	CHH	-0.0635
Gm16	29441258	29442258	Gmdrm	hypo	CHH	-0.1426
Gm16	29442262	29443262	Gmdrm	hypo	CHH	-0.0985
Gm16	29458480	29459480	Gmdrm	hypo	CHH	-0.0224
Gm16	29462927	29463894	Gmdrm	hypo	CHH	-0.0577
Gm16	29476593	29477548	Gmdrm	hypo	CHH	-0.0329
Gm16	29484786	29485744	Gmdrm	hypo	CHH	-0.0582

Gm16	29487870	29488868	Gmdrm	hypo	CHH	-0.1108
Gm16	29488881	29489871	Gmdrm	hypo	CHH	-0.0224
Gm16	29490884	29491878	Gmdrm	hypo	CHH	-0.034
Gm16	29494570	29495518	Gmdrm	hypo	CHH	-0.0222
Gm16	29497691	29498684	Gmdrm	hypo	CHH	-0.0615
Gm16	29499284	29500247	Gmdrm	hypo	CHH	-0.0138
Gm16	29524820	29525791	Gmdrm	hypo	CHH	-0.0302
Gm16	29525881	29526832	Gmdrm	hypo	CHH	-0.0282
Gm16	29526953	29527950	Gmdrm	hypo	CHH	-0.033
Gm16	29527954	29528948	Gmdrm	hypo	CHH	-0.0426
Gm16	29528960	29529927	Gmdrm	hypo	CHH	-0.0195
Gm16	29532987	29533986	Gmdrm	hypo	CHH	-0.0126
Gm16	29545539	29546539	Gmdrm	hypo	CHH	-0.0214
Gm16	29546547	29547161	Gmdrm	hypo	CHH	-0.0668
Gm16	29548635	29549624	Gmdrm	hypo	CHH	-0.0246
Gm16	29549645	29549971	Gmdrm	hypo	CHH	-0.02
Gm16	29559847	29560794	Gmdrm	hypo	CHH	-0.0984
Gm16	29560881	29561847	Gmdrm	hypo	CHH	-0.1313
Gm16	29570335	29571323	Gmdrm	hypo	CHH	-0.0217
Gm16	29595047	29596045	Gmdrm	hypo	CHH	-0.0858
Gm16	29597104	29598083	Gmdrm	hypo	CHH	-0.0274
Gm16	29600239	29601218	Gmdrm	hypo	CHH	-0.0532
Gm16	29608476	29609424	Gmdrm	hypo	CHH	-0.0232
Gm16	29609500	29610392	Gmdrm	hypo	CHH	-0.0516
Gm16	29610525	29611452	Gmdrm	hypo	CHH	-0.0451
Gm16	29611526	29612525	Gmdrm	hypo	CHH	-0.0693
Gm16	29617750	29617945	Gmdrm	hypo	CHH	-0.0236
Gm16	29619085	29620076	Gmdrm	hypo	CHH	-0.0095
Gm16	29620617	29621604	Gmdrm	hypo	CHH	-0.015
Gm16	29628929	29629927	Gmdrm	hypo	CHH	-0.035
Gm16	29640154	29641148	Gmdrm	hypo	CHH	-0.0178
Gm16	29642567	29643554	Gmdrm	hypo	CHH	-0.0498
Gm16	29667322	29668317	Gmdrm	hypo	CHH	-0.0159
Gm16	29679234	29680193	Gmdrm	hypo	CHH	-0.0245
Gm16	29682425	29682552	Gmdrm	hypo	CHH	-0.0814
Gm16	29686367	29687361	Gmdrm	hypo	CHH	-0.0154
Gm16	29689850	29690850	Gmdrm	hypo	CHH	-0.0279
Gm16	29690855	29691159	Gmdrm	hypo	CHH	-0.0612
Gm16	29694851	29695851	Gmdrm	hypo	CHH	-0.0748
Gm16	29700512	29701511	Gmdrm	hypo	CHH	-0.0175
Gm16	29701514	29702506	Gmdrm	hypo	CHH	-0.0255
Gm16	29711031	29712031	Gmdrm	hypo	CHH	-0.0604
Gm16	29712033	29713024	Gmdrm	hypo	CHH	-0.0709
Gm16	29713054	29714049	Gmdrm	hypo	CHH	-0.0209
Gm16	29714059	29715043	Gmdrm	hypo	CHH	-0.0096
Gm16	29719099	29720092	Gmdrm	hypo	CHH	-0.0888

Gm16	29724032	29725028	Gmdrm	hypo	CHH	-0.0412
Gm16	29725033	29726019	Gmdrm	hypo	CHH	-0.0215
Gm16	29726035	29727031	Gmdrm	hypo	CHH	-0.2225
Gm16	29727519	29728161	Gmdrm	hypo	CHH	-0.1316
Gm16	29734530	29735530	Gmdrm	hypo	CHH	-0.0388
Gm16	29739547	29740346	Gmdrm	hypo	CHH	-0.0432
Gm16	29742158	29743133	Gmdrm	hypo	CHH	-0.084
Gm16	29744182	29745182	Gmdrm	hypo	CHH	-0.138
Gm16	29745187	29745556	Gmdrm	hypo	CHH	-0.059
Gm16	29746707	29747686	Gmdrm	hypo	CHH	-0.0209
Gm16	29747710	29748686	Gmdrm	hypo	CHH	-0.0409
Gm16	29771835	29772666	Gmdrm	hypo	CHH	-0.1122
Gm16	29787178	29787899	Gmdrm	hypo	CHH	-0.0134
Gm16	29789205	29790196	Gmdrm	hypo	CHH	-0.2092
Gm16	29791662	29792646	Gmdrm	hypo	CHH	-0.0672
Gm16	29797396	29798032	Gmdrm	hypo	CHH	-0.0279
Gm16	29828582	29829574	Gmdrm	hypo	CHH	-0.0246
Gm16	29831599	29832595	Gmdrm	hypo	CHH	-0.0184
Gm16	29855117	29856108	Gmdrm	hypo	CHH	-0.0118
Gm16	29863945	29864906	Gmdrm	hypo	CHH	-0.0453
Gm16	29876635	29877616	Gmdrm	hypo	CHH	-0.0932
Gm16	29893346	29894252	Gmdrm	hypo	CHH	-0.0183
Gm16	29896785	29897763	Gmdrm	hypo	CHH	-0.1556
Gm16	29900820	29901789	Gmdrm	hypo	CHH	-0.0738
Gm16	29934718	29935713	Gmdrm	hypo	CHH	-0.0252
Gm16	29940778	29941755	Gmdrm	hypo	CHH	-0.096
Gm16	29969638	29970631	Gmdrm	hypo	CHH	-0.0156
Gm16	29970642	29971634	Gmdrm	hypo	CHH	-0.0349
Gm16	29972654	29973654	Gmdrm	hypo	CHH	-0.0279
Gm16	29976668	29977667	Gmdrm	hypo	CHH	-0.0593
Gm16	29985549	29986296	Gmdrm	hypo	CHH	-0.0545
Gm16	30029235	30030155	Gmdrm	hypo	CHH	-0.014
Gm16	30031355	30032347	Gmdrm	hypo	CHH	-0.0309
Gm16	30033022	30033679	Gmdrm	hypo	CHH	-0.043
Gm16	30035902	30036851	Gmdrm	hypo	CHH	-0.0131
Gm16	30037745	30037890	Gmdrm	hypo	CHH	-0.066
Gm16	30050365	30050855	Gmdrm	hypo	CHH	-0.0164
Gm16	30050961	30051954	Gmdrm	hypo	CHH	-0.0227
Gm16	30064359	30065356	Gmdrm	hypo	CHH	-0.0171
Gm16	30065375	30066357	Gmdrm	hypo	CHH	-0.046
Gm16	30067070	30068069	Gmdrm	hypo	CHH	-0.0378
Gm16	30079621	30079873	Gmdrm	hypo	CHH	-0.0895
Gm16	30083631	30084400	Gmdrm	hypo	CHH	-0.0225
Gm16	30088321	30089267	Gmdrm	hypo	CHH	-0.0553
Gm16	30090331	30091324	Gmdrm	hypo	CHH	-0.0745
Gm16	30093514	30094512	Gmdrm	hypo	CHH	-0.2181

Gm16	30098182	30099162	Gmdrm	hypo	CHH	-0.0736
Gm16	30106689	30107051	Gmdrm	hypo	CHH	-0.023
Gm16	30107388	30108369	Gmdrm	hypo	CHH	-0.0273
Gm16	30108396	30109384	Gmdrm	hypo	CHH	-0.0093
Gm16	30111407	30111686	Gmdrm	hypo	CHH	-0.05
Gm16	30129309	30130299	Gmdrm	hypo	CHH	-0.0135
Gm16	30134412	30135408	Gmdrm	hypo	CHH	-0.0605
Gm16	30139129	30140129	Gmdrm	hypo	CHH	-0.0418
Gm16	30140132	30141094	Gmdrm	hypo	CHH	-0.0347
Gm16	30143504	30144417	Gmdrm	hypo	CHH	-0.0119
Gm16	30146461	30146645	Gmdrm	hypo	CHH	-0.0375
Gm16	30147753	30148740	Gmdrm	hypo	CHH	-0.0323
Gm16	30149822	30150822	Gmdrm	hypo	CHH	-0.0483
Gm16	30150826	30151821	Gmdrm	hypo	CHH	-0.0251
Gm16	30154863	30154999	Gmdrm	hypo	CHH	-0.0414
Gm16	30159633	30160606	Gmdrm	hypo	CHH	-0.0395
Gm16	30163078	30164072	Gmdrm	hypo	CHH	-0.0232
Gm16	30172586	30173550	Gmdrm	hypo	CHH	-0.0567
Gm16	30179191	30180151	Gmdrm	hypo	CHH	-0.0248
Gm16	30180199	30180678	Gmdrm	hypo	CHH	-0.0243
Gm16	30185165	30186101	Gmdrm	hypo	CHH	-0.0107
Gm16	30209549	30210508	Gmdrm	hypo	CHH	-0.1182
Gm16	30212023	30213018	Gmdrm	hypo	CHH	-0.0143
Gm16	30218429	30219424	Gmdrm	hypo	CHH	-0.0308
Gm16	30219450	30220448	Gmdrm	hypo	CHH	-0.0514
Gm16	30220451	30221416	Gmdrm	hypo	CHH	-0.111
Gm16	30221453	30222420	Gmdrm	hypo	CHH	-0.0508
Gm16	30223091	30223369	Gmdrm	hypo	CHH	-0.0316
Gm16	30227495	30228489	Gmdrm	hypo	CHH	-0.0764
Gm16	30228515	30229486	Gmdrm	hypo	CHH	-0.1806
Gm16	30234607	30235605	Gmdrm	hypo	CHH	-0.1945
Gm16	30235608	30236608	Gmdrm	hypo	CHH	-0.0549
Gm16	30236616	30237039	Gmdrm	hypo	CHH	-0.0147
Gm16	30238148	30238991	Gmdrm	hypo	CHH	-0.025
Gm16	30241111	30242108	Gmdrm	hypo	CHH	-0.0212
Gm16	30259603	30260592	Gmdrm	hypo	CHH	-0.0276
Gm16	30261795	30262182	Gmdrm	hypo	CHH	-0.4973
Gm16	30272982	30273982	Gmdrm	hypo	CHH	-0.2824
Gm16	30273987	30274625	Gmdrm	hypo	CHH	-0.3512
Gm16	30283067	30284064	Gmdrm	hypo	CHH	-0.2897
Gm16	30284075	30284866	Gmdrm	hypo	CHH	-0.1165
Gm16	30308914	30309824	Gmdrm	hypo	CHH	-0.0238
Gm16	30309934	30310931	Gmdrm	hypo	CHH	-0.0772
Gm16	30310937	30311926	Gmdrm	hypo	CHH	-0.0347
Gm16	30313407	30314403	Gmdrm	hypo	CHH	-0.0691
Gm16	30314409	30315399	Gmdrm	hypo	CHH	-0.022

Gm16	30315428	30316419	Gmdrm	hypo	CHH	-0.0361
Gm16	30316431	30317428	Gmdrm	hypo	CHH	-0.0227
Gm16	30318444	30319437	Gmdrm	hypo	CHH	-0.0119
Gm16	30319487	30320478	Gmdrm	hypo	CHH	-0.0171
Gm16	30320621	30321615	Gmdrm	hypo	CHH	-0.1465
Gm16	30321627	30321800	Gmdrm	hypo	CHH	-0.1214
Gm16	30323485	30324475	Gmdrm	hypo	CHH	-0.0211
Gm16	30329639	30330636	Gmdrm	hypo	CHH	-0.0293
Gm16	30343706	30344685	Gmdrm	hypo	CHH	-0.047
Gm16	30344715	30345679	Gmdrm	hypo	CHH	-0.0236
Gm16	30346315	30347306	Gmdrm	hypo	CHH	-0.0193
Gm16	30355507	30356500	Gmdrm	hypo	CHH	-0.054
Gm16	30356514	30357511	Gmdrm	hypo	CHH	-0.0825
Gm16	30363589	30364587	Gmdrm	hypo	CHH	-0.0159
Gm16	30366528	30367527	Gmdrm	hypo	CHH	-0.1107
Gm16	30375019	30376005	Gmdrm	hypo	CHH	-0.0453
Gm16	30376026	30377016	Gmdrm	hypo	CHH	-0.106
Gm16	30377130	30377271	Gmdrm	hypo	CHH	-0.0354
Gm16	30378854	30379847	Gmdrm	hypo	CHH	-0.0154
Gm16	30382664	30383660	Gmdrm	hypo	CHH	-0.0203
Gm16	30386686	30387663	Gmdrm	hypo	CHH	-0.0405
Gm16	30387687	30388686	Gmdrm	hypo	CHH	-0.057
Gm16	30389703	30390697	Gmdrm	hypo	CHH	-0.0409
Gm16	30397021	30398012	Gmdrm	hypo	CHH	-0.0903
Gm16	30398024	30398674	Gmdrm	hypo	CHH	-0.4185
Gm16	30401617	30402010	Gmdrm	hypo	CHH	-0.0514
Gm16	30403514	30404514	Gmdrm	hypo	CHH	-0.0374
Gm16	30404527	30405525	Gmdrm	hypo	CHH	-0.0446
Gm16	30405528	30406488	Gmdrm	hypo	CHH	-0.0604
Gm16	30408279	30409267	Gmdrm	hypo	CHH	-0.058
Gm16	30413012	30414008	Gmdrm	hypo	CHH	-0.0216
Gm16	30415040	30416037	Gmdrm	hypo	CHH	-0.0256
Gm16	30416042	30417024	Gmdrm	hypo	CHH	-0.0091
Gm16	30418753	30418998	Gmdrm	hypo	CHH	-0.0442
Gm16	30427687	30428669	Gmdrm	hypo	CHH	-0.0238
Gm16	30447122	30447379	Gmdrm	hypo	CHH	-0.052
Gm16	30448530	30449526	Gmdrm	hypo	CHH	-0.0179
Gm16	30453803	30454802	Gmdrm	hypo	CHH	-0.0394
Gm16	30461884	30462880	Gmdrm	hypo	CHH	-0.0165
Gm16	30464916	30465905	Gmdrm	hypo	CHH	-0.0138
Gm16	30478632	30479623	Gmdrm	hypo	CHH	-0.3436
Gm16	30482135	30483124	Gmdrm	hypo	CHH	-0.0111
Gm16	30485436	30486422	Gmdrm	hypo	CHH	-0.014
Gm16	30496041	30496977	Gmdrm	hypo	CHH	-0.033
Gm16	30498353	30499104	Gmdrm	hypo	CHH	-0.0235
Gm16	30520684	30521682	Gmdrm	hypo	CHH	-0.0223

Gm16	30526229	30527214	Gmdrm	hypo	CHH	-0.0188
Gm16	30533757	30534754	Gmdrm	hypo	CHH	-0.2372
Gm16	30537523	30538522	Gmdrm	hypo	CHH	-0.0196
Gm16	30538525	30539524	Gmdrm	hypo	CHH	-0.1654
Gm16	30539526	30540512	Gmdrm	hypo	CHH	-0.0759
Gm16	30557192	30558173	Gmdrm	hypo	CHH	-0.0632
Gm16	30558199	30559185	Gmdrm	hypo	CHH	-0.0719
Gm16	30567096	30567750	Gmdrm	hypo	CHH	-0.2228
Gm16	30569330	30570302	Gmdrm	hypo	CHH	-0.0395
Gm16	30571341	30572338	Gmdrm	hypo	CHH	-0.0393
Gm16	30579931	30580907	Gmdrm	hypo	CHH	-0.233
Gm16	30587060	30588057	Gmdrm	hypo	CHH	-0.0433
Gm16	30612019	30613013	Gmdrm	hypo	CHH	-0.2493
Gm16	30615909	30616908	Gmdrm	hypo	CHH	-0.0426
Gm16	30617917	30618915	Gmdrm	hypo	CHH	-0.0316
Gm16	30621162	30622135	Gmdrm	hypo	CHH	-0.0829
Gm16	30622207	30623205	Gmdrm	hypo	CHH	-0.0839
Gm16	30624232	30624465	Gmdrm	hypo	CHH	-0.031
Gm16	30624679	30625679	Gmdrm	hypo	CHH	-0.0791
Gm16	30625681	30625981	Gmdrm	hypo	CHH	-0.1137
Gm16	30630386	30631367	Gmdrm	hypo	CHH	-0.022
Gm16	30654490	30654829	Gmdrm	hypo	CHH	-0.0262
Gm16	30659812	30660795	Gmdrm	hypo	CHH	-0.026
Gm16	30660824	30661705	Gmdrm	hypo	CHH	-0.0391
Gm16	30677547	30678531	Gmdrm	hypo	CHH	-0.0569
Gm16	30678928	30679400	Gmdrm	hypo	CHH	-0.0524
Gm16	30682518	30683492	Gmdrm	hypo	CHH	-0.0827
Gm16	30683532	30684509	Gmdrm	hypo	CHH	-0.0113
Gm16	30685001	30685394	Gmdrm	hypo	CHH	-0.0312
Gm16	30693267	30694220	Gmdrm	hypo	CHH	-0.0583
Gm16	30719689	30720649	Gmdrm	hypo	CHH	-0.0196
Gm16	30722704	30723674	Gmdrm	hypo	CHH	-0.0424
Gm16	30723726	30724709	Gmdrm	hypo	CHH	-0.0122
Gm16	30726813	30727803	Gmdrm	hypo	CHH	-0.1007
Gm16	30732560	30733551	Gmdrm	hypo	CHH	-0.0203
Gm16	30736601	30737538	Gmdrm	hypo	CHH	-0.0381
Gm16	30740347	30741335	Gmdrm	hypo	CHH	-0.0789
Gm16	30752788	30753386	Gmdrm	hypo	CHH	-0.032
Gm16	30769379	30769916	Gmdrm	hypo	CHH	-0.063
Gm16	30780875	30781875	Gmdrm	hypo	CHH	-0.0393
Gm16	30787832	30788814	Gmdrm	hypo	CHH	-0.0373
Gm16	30796933	30797932	Gmdrm	hypo	CHH	-0.2122
Gm16	30800745	30801734	Gmdrm	hypo	CHH	-0.0352
Gm16	30801774	30802758	Gmdrm	hypo	CHH	-0.0772
Gm16	30815825	30816785	Gmdrm	hypo	CHH	-0.0927
Gm16	30818926	30819869	Gmdrm	hypo	CHH	-0.2332

Gm16	30819929	30820808	Gmdrm	hypo	CHH	-0.0155
Gm16	30821561	30822558	Gmdrm	hypo	CHH	-0.0818
Gm16	30822564	30822941	Gmdrm	hypo	CHH	-0.0745
Gm16	30825417	30826414	Gmdrm	hypo	CHH	-0.0134
Gm16	30829518	30830516	Gmdrm	hypo	CHH	-0.1739
Gm16	30830524	30830772	Gmdrm	hypo	CHH	-0.0517
Gm16	30841060	30842060	Gmdrm	hypo	CHH	-0.0603
Gm16	30842062	30842997	Gmdrm	hypo	CHH	-0.2259
Gm16	30843089	30844084	Gmdrm	hypo	CHH	-0.0161
Gm16	30844104	30845093	Gmdrm	hypo	CHH	-0.0524
Gm16	30845106	30845990	Gmdrm	hypo	CHH	-0.1321
Gm16	30851508	30852487	Gmdrm	hypo	CHH	-0.0331
Gm16	30857787	30858782	Gmdrm	hypo	CHH	-0.1361
Gm16	30858789	30859780	Gmdrm	hypo	CHH	-0.0145
Gm16	30865091	30865296	Gmdrm	hypo	CHH	-0.0514
Gm16	30866749	30867426	Gmdrm	hypo	CHH	-0.0286
Gm16	30879709	30879854	Gmdrm	hypo	CHH	-0.04
Gm16	30880967	30881774	Gmdrm	hypo	CHH	-0.0202
Gm16	30883878	30884863	Gmdrm	hypo	CHH	-0.123
Gm16	30889185	30890153	Gmdrm	hypo	CHH	-0.0264
Gm16	30898644	30898953	Gmdrm	hypo	CHH	-0.0945
Gm16	30899111	30899318	Gmdrm	hypo	CHH	-0.2342
Gm16	30899808	30900264	Gmdrm	hypo	CHH	-0.0304
Gm16	30901386	30902379	Gmdrm	hypo	CHH	-0.4327
Gm16	30902389	30903388	Gmdrm	hypo	CHH	-0.0572
Gm16	30906363	30907332	Gmdrm	hypo	CHH	-0.116
Gm16	30908230	30909194	Gmdrm	hypo	CHH	-0.063
Gm16	30911576	30912576	Gmdrm	hypo	CHH	-0.0173
Gm16	30912579	30913573	Gmdrm	hypo	CHH	-0.0608
Gm16	30913616	30914600	Gmdrm	hypo	CHH	-0.0231
Gm16	30917737	30918691	Gmdrm	hypo	CHH	-0.014
Gm16	30924492	30925492	Gmdrm	hypo	CHH	-0.0773
Gm16	30929521	30930518	Gmdrm	hypo	CHH	-0.0501
Gm16	30945500	30946499	Gmdrm	hypo	CHH	-0.0232
Gm16	30946501	30947501	Gmdrm	hypo	CHH	-0.0444
Gm16	30947502	30948499	Gmdrm	hypo	CHH	-0.0344
Gm16	30948519	30949507	Gmdrm	hypo	CHH	-0.0154
Gm16	30953688	30954671	Gmdrm	hypo	CHH	-0.0222
Gm16	30955600	30956593	Gmdrm	hypo	CHH	-0.0228
Gm16	30960490	30961486	Gmdrm	hypo	CHH	-0.0541
Gm16	30961521	30961958	Gmdrm	hypo	CHH	-0.0332
Gm16	30962993	30963990	Gmdrm	hypo	CHH	-0.05
Gm16	30974617	30974911	Gmdrm	hypo	CHH	-0.145
Gm16	30975032	30976032	Gmdrm	hypo	CHH	-0.087
Gm16	30976048	30976606	Gmdrm	hypo	CHH	-0.059
Gm16	30978009	30978990	Gmdrm	hypo	CHH	-0.0537

Gm16	30981018	30982015	Gmdrm	hypo	CHH	-0.0612
Gm16	30990582	30991111	Gmdrm	hypo	CHH	-0.0505
Gm16	30997327	30998304	Gmdrm	hypo	CHH	-0.1336
Gm16	30998329	30999329	Gmdrm	hypo	CHH	-0.0645
Gm16	30999330	31000318	Gmdrm	hypo	CHH	-0.0849
Gm16	31000342	31001318	Gmdrm	hypo	CHH	-0.0556
Gm16	31003582	31004569	Gmdrm	hypo	CHH	-0.0222
Gm16	31024906	31025881	Gmdrm	hypo	CHH	-0.2192
Gm16	31028929	31029751	Gmdrm	hypo	CHH	-0.0123
Gm16	31031269	31032265	Gmdrm	hypo	CHH	-0.0165
Gm16	31032281	31033270	Gmdrm	hypo	CHH	-0.0137
Gm16	31036752	31037740	Gmdrm	hypo	CHH	-0.0604
Gm16	31058264	31059264	Gmdrm	hypo	CHH	-0.0222
Gm16	31065145	31066126	Gmdrm	hypo	CHH	-0.0196
Gm16	31070559	31071553	Gmdrm	hypo	CHH	-0.0256
Gm16	31076290	31076730	Gmdrm	hypo	CHH	-0.0357
Gm16	31078481	31079481	Gmdrm	hypo	CHH	-0.0383
Gm16	31084643	31085634	Gmdrm	hypo	CHH	-0.0332
Gm16	31093123	31094120	Gmdrm	hypo	CHH	-0.0658
Gm16	31094143	31095108	Gmdrm	hypo	CHH	-0.1308
Gm16	31104607	31105595	Gmdrm	hypo	CHH	-0.1144
Gm16	31105612	31106567	Gmdrm	hypo	CHH	-0.0323
Gm16	31108935	31109934	Gmdrm	hypo	CHH	-0.0124
Gm16	31145194	31146173	Gmdrm	hypo	CHH	-0.044
Gm16	31146208	31147207	Gmdrm	hypo	CHH	-0.0482
Gm16	31147221	31148209	Gmdrm	hypo	CHH	-0.0494
Gm16	31149224	31150210	Gmdrm	hypo	CHH	-0.0804
Gm16	31151768	31152054	Gmdrm	hypo	CHH	-0.2724
Gm16	31153390	31154335	Gmdrm	hypo	CHH	-0.0143
Gm16	31160477	31161467	Gmdrm	hypo	CHH	-0.0236
Gm16	31165804	31166804	Gmdrm	hypo	CHH	-0.1738
Gm16	31169988	31170982	Gmdrm	hypo	CHH	-0.0257
Gm16	31173004	31174004	Gmdrm	hypo	CHH	-0.0238
Gm16	31174509	31175506	Gmdrm	hypo	CHH	-0.0496
Gm16	31175512	31176496	Gmdrm	hypo	CHH	-0.0477
Gm16	31176577	31177550	Gmdrm	hypo	CHH	-0.0961
Gm16	31179441	31180432	Gmdrm	hypo	CHH	-0.0183
Gm16	31180459	31181433	Gmdrm	hypo	CHH	-0.0925
Gm16	31181509	31182508	Gmdrm	hypo	CHH	-0.0421
Gm16	31183526	31184526	Gmdrm	hypo	CHH	-0.0272
Gm16	31187000	31187804	Gmdrm	hypo	CHH	-0.0166
Gm16	31191998	31192933	Gmdrm	hypo	CHH	-0.0149
Gm16	31193114	31193693	Gmdrm	hypo	CHH	-0.0193
Gm16	31193812	31194805	Gmdrm	hypo	CHH	-0.1634
Gm16	31194815	31195813	Gmdrm	hypo	CHH	-0.2889
Gm16	31202137	31203135	Gmdrm	hypo	CHH	-0.0113

Gm16	31203157	31204129	Gmdrm	hypo	CHH	-0.1105
Gm16	31204170	31205166	Gmdrm	hypo	CHH	-0.0329
Gm16	31205173	31205448	Gmdrm	hypo	CHH	-0.053
Gm16	31217840	31218840	Gmdrm	hypo	CHH	-0.0181
Gm16	31218874	31219862	Gmdrm	hypo	CHH	-0.0163
Gm16	31219875	31220875	Gmdrm	hypo	CHH	-0.0423
Gm16	31223720	31224695	Gmdrm	hypo	CHH	-0.0458
Gm16	31224722	31225706	Gmdrm	hypo	CHH	-0.0149
Gm16	31225726	31226151	Gmdrm	hypo	CHH	-0.0207
Gm16	31226297	31227278	Gmdrm	hypo	CHH	-0.0185
Gm16	31227379	31228378	Gmdrm	hypo	CHH	-0.0333
Gm16	31239647	31239777	Gmdrm	hypo	CHH	-0.0667
Gm16	31239906	31240906	Gmdrm	hypo	CHH	-0.0211
Gm16	31242284	31243276	Gmdrm	hypo	CHH	-0.0931
Gm16	31246319	31246985	Gmdrm	hypo	CHH	-0.0338
Gm16	31250165	31251154	Gmdrm	hypo	CHH	-0.0448
Gm16	31253215	31254187	Gmdrm	hypo	CHH	-0.1159
Gm16	31257044	31258044	Gmdrm	hypo	CHH	-0.0763
Gm16	31266835	31267834	Gmdrm	hypo	CHH	-0.1074
Gm16	31267853	31268843	Gmdrm	hypo	CHH	-0.015
Gm16	31282379	31283361	Gmdrm	hypo	CHH	-0.1702
Gm16	31290034	31291034	Gmdrm	hypo	CHH	-0.0529
Gm16	31291038	31292032	Gmdrm	hypo	CHH	-0.273
Gm16	31292045	31293043	Gmdrm	hypo	CHH	-0.0134
Gm16	31302600	31302889	Gmdrm	hypo	CHH	-0.0367
Gm16	31309631	31310625	Gmdrm	hypo	CHH	-0.2114
Gm16	31310633	31311633	Gmdrm	hypo	CHH	-0.095
Gm16	31311636	31312481	Gmdrm	hypo	CHH	-0.0636
Gm16	31314607	31315599	Gmdrm	hypo	CHH	-0.0515
Gm16	31322052	31323048	Gmdrm	hypo	CHH	-0.1387
Gm16	31344727	31345723	Gmdrm	hypo	CHH	-0.0137
Gm16	31349751	31350745	Gmdrm	hypo	CHH	-0.0333
Gm16	31356027	31356948	Gmdrm	hypo	CHH	-0.0181
Gm16	31358924	31359924	Gmdrm	hypo	CHH	-0.055
Gm16	31359925	31360923	Gmdrm	hypo	CHH	-0.062
Gm16	31360929	31361894	Gmdrm	hypo	CHH	-0.0563
Gm16	31362067	31363061	Gmdrm	hypo	CHH	-0.0345
Gm16	31365146	31366144	Gmdrm	hypo	CHH	-0.0838
Gm16	31368460	31368801	Gmdrm	hypo	CHH	-0.0567
Gm16	31368947	31369938	Gmdrm	hypo	CHH	-0.1149
Gm16	31369953	31370703	Gmdrm	hypo	CHH	-0.1222
Gm16	31370886	31371881	Gmdrm	hypo	CHH	-0.058
Gm16	31373103	31374072	Gmdrm	hypo	CHH	-0.0971
Gm16	31384240	31385228	Gmdrm	hypo	CHH	-0.044
Gm16	31385246	31386242	Gmdrm	hypo	CHH	-0.1909
Gm16	31403794	31404794	Gmdrm	hypo	CHH	-0.2008

Gm16	31416460	31417246	Gmdrm	hypo	CHH	-0.023
Gm16	31417364	31417888	Gmdrm	hypo	CHH	-0.0273
Gm16	31419004	31419197	Gmdrm	hypo	CHH	-0.032
Gm16	31444624	31445558	Gmdrm	hypo	CHH	-0.0183
Gm16	31462079	31462248	Gmdrm	hypo	CHH	-0.032
Gm16	31471771	31472760	Gmdrm	hypo	CHH	-0.0169
Gm16	31473817	31474800	Gmdrm	hypo	CHH	-0.0241
Gm16	31477003	31477997	Gmdrm	hypo	CHH	-0.0278
Gm16	31478013	31478651	Gmdrm	hypo	CHH	-0.065
Gm16	31482777	31483744	Gmdrm	hypo	CHH	-0.0287
Gm16	31486863	31487848	Gmdrm	hypo	CHH	-0.1497
Gm16	31487883	31488809	Gmdrm	hypo	CHH	-0.0929
Gm16	31488898	31489898	Gmdrm	hypo	CHH	-0.0729
Gm16	31489903	31490640	Gmdrm	hypo	CHH	-0.0651
Gm16	31499693	31500649	Gmdrm	hypo	CHH	-0.0275
Gm16	31501733	31502724	Gmdrm	hypo	CHH	-0.027
Gm16	31506197	31506929	Gmdrm	hypo	CHH	-0.0261
Gm16	31515790	31516781	Gmdrm	hypo	CHH	-0.0357
Gm16	31526377	31527370	Gmdrm	hypo	CHH	-0.0749
Gm16	31527677	31528663	Gmdrm	hypo	CHH	-0.0167
Gm16	31531743	31532736	Gmdrm	hypo	CHH	-0.0195
Gm16	31534863	31535863	Gmdrm	hypo	CHH	-0.0132
Gm16	31544680	31545656	Gmdrm	hypo	CHH	-0.3415
Gm16	31550131	31551098	Gmdrm	hypo	CHH	-0.0132
Gm16	31555277	31556270	Gmdrm	hypo	CHH	-0.0841
Gm16	31556278	31557275	Gmdrm	hypo	CHH	-0.1453
Gm16	31559777	31560766	Gmdrm	hypo	CHH	-0.03
Gm16	31565880	31566863	Gmdrm	hypo	CHH	-0.081
Gm16	31566881	31567454	Gmdrm	hypo	CHH	-0.0997
Gm16	31584189	31584723	Gmdrm	hypo	CHH	-0.0264
Gm16	31586275	31587273	Gmdrm	hypo	CHH	-0.0295
Gm16	31588280	31589268	Gmdrm	hypo	CHH	-0.0575
Gm16	31592794	31593417	Gmdrm	hypo	CHH	-0.1371
Gm16	31593687	31594684	Gmdrm	hypo	CHH	-0.1159
Gm16	31594689	31595679	Gmdrm	hypo	CHH	-0.064
Gm16	31595700	31596214	Gmdrm	hypo	CHH	-0.0928
Gm16	31598558	31599551	Gmdrm	hypo	CHH	-0.095
Gm16	31599563	31600544	Gmdrm	hypo	CHH	-0.3818
Gm16	31607151	31608145	Gmdrm	hypo	CHH	-0.0537
Gm16	31629021	31629851	Gmdrm	hypo	CHH	-0.2272
Gm16	31642297	31643288	Gmdrm	hypo	CHH	-0.0185
Gm16	31656601	31657593	Gmdrm	hypo	CHH	-0.0585
Gm16	31663567	31664538	Gmdrm	hypo	CHH	-0.0101
Gm16	31669203	31670165	Gmdrm	hypo	CHH	-0.0331
Gm16	31688596	31689592	Gmdrm	hypo	CHH	-0.1654
Gm16	31689607	31690166	Gmdrm	hypo	CHH	-0.1043

Gm16	31692475	31693464	Gmdrm	hypo	CHH	-0.0519
Gm16	31693482	31694449	Gmdrm	hypo	CHH	-0.0652
Gm16	31694494	31695487	Gmdrm	hypo	CHH	-0.0228
Gm16	31703355	31704350	Gmdrm	hypo	CHH	-0.0161
Gm16	31704360	31705124	Gmdrm	hypo	CHH	-0.1336
Gm16	31705394	31706391	Gmdrm	hypo	CHH	-0.1379
Gm16	31706395	31707017	Gmdrm	hypo	CHH	-0.0233
Gm16	31714232	31715232	Gmdrm	hypo	CHH	-0.2531
Gm16	31715240	31715939	Gmdrm	hypo	CHH	-0.1403
Gm16	31722492	31723488	Gmdrm	hypo	CHH	-0.2454
Gm16	31725749	31726733	Gmdrm	hypo	CHH	-0.038
Gm16	31726750	31727741	Gmdrm	hypo	CHH	-0.0201
Gm16	31745959	31746954	Gmdrm	hypo	CHH	-0.0833
Gm16	31752590	31753105	Gmdrm	hypo	CHH	-0.0176
Gm16	31756990	31757989	Gmdrm	hypo	CHH	-0.0472
Gm16	31757995	31758983	Gmdrm	hypo	CHH	-0.017
Gm16	31763054	31764031	Gmdrm	hypo	CHH	-0.0469
Gm16	31764073	31765063	Gmdrm	hypo	CHH	-0.0171
Gm16	31770143	31770299	Gmdrm	hypo	CHH	-0.0222
Gm16	31770412	31771406	Gmdrm	hypo	CHH	-0.0182
Gm16	31771419	31772411	Gmdrm	hypo	CHH	-0.0181
Gm16	31784083	31785052	Gmdrm	hypo	CHH	-0.0205
Gm16	31787123	31788084	Gmdrm	hypo	CHH	-0.0136
Gm16	31794194	31795179	Gmdrm	hypo	CHH	-0.0194
Gm16	31809042	31810041	Gmdrm	hypo	CHH	-0.0126
Gm16	31817255	31818253	Gmdrm	hypo	CHH	-0.026
Gm16	31818271	31819271	Gmdrm	hypo	CHH	-0.1664
Gm16	31820281	31821267	Gmdrm	hypo	CHH	-0.0438
Gm16	31821291	31822281	Gmdrm	hypo	CHH	-0.181
Gm16	31834087	31834581	Gmdrm	hypo	CHH	-0.0424
Gm16	31837845	31838845	Gmdrm	hypo	CHH	-0.0978
Gm16	31838847	31839434	Gmdrm	hypo	CHH	-0.0283
Gm16	31844951	31845947	Gmdrm	hypo	CHH	-0.0114
Gm16	31848017	31848734	Gmdrm	hypo	CHH	-0.0124
Gm16	31850046	31850990	Gmdrm	hypo	CHH	-0.0465
Gm16	31855905	31856905	Gmdrm	hypo	CHH	-0.0658
Gm16	31856910	31857895	Gmdrm	hypo	CHH	-0.0945
Gm16	31864164	31865117	Gmdrm	hypo	CHH	-0.0535
Gm16	31865188	31865433	Gmdrm	hypo	CHH	-0.0395
Gm16	31882741	31883741	Gmdrm	hypo	CHH	-0.0891
Gm16	31883746	31884737	Gmdrm	hypo	CHH	-0.0308
Gm16	31884754	31885737	Gmdrm	hypo	CHH	-0.044
Gm16	31886764	31887725	Gmdrm	hypo	CHH	-0.0347
Gm16	31887771	31888721	Gmdrm	hypo	CHH	-0.0232
Gm16	31890929	31891926	Gmdrm	hypo	CHH	-0.0848
Gm16	31897913	31898890	Gmdrm	hypo	CHH	-0.0176

Gm16	31898919	31899918	Gmdrm	hypo	CHH	-0.0863
Gm16	31899924	31900924	Gmdrm	hypo	CHH	-0.0444
Gm16	31904886	31905430	Gmdrm	hypo	CHH	-0.0219
Gm16	31906624	31907144	Gmdrm	hypo	CHH	-0.0316
Gm16	31918038	31919018	Gmdrm	hypo	CHH	-0.1198
Gm16	31922996	31923920	Gmdrm	hypo	CHH	-0.0171
Gm16	31946968	31947967	Gmdrm	hypo	CHH	-0.0106
Gm16	31950613	31951597	Gmdrm	hypo	CHH	-0.0208
Gm16	31970818	31971814	Gmdrm	hypo	CHH	-0.0187
Gm16	31972642	31973642	Gmdrm	hypo	CHH	-0.125
Gm16	31973643	31974630	Gmdrm	hypo	CHH	-0.0226
Gm16	31977990	31978967	Gmdrm	hypo	CHH	-0.0152
Gm16	31982714	31983714	Gmdrm	hypo	CHH	-0.0202
Gm16	31998998	31999993	Gmdrm	hypo	CHH	-0.1107
Gm16	32013287	32014287	Gmdrm	hypo	CHH	-0.0627
Gm16	32014288	32015283	Gmdrm	hypo	CHH	-0.0215
Gm16	32015290	32015996	Gmdrm	hypo	CHH	-0.0659
Gm16	32016139	32016743	Gmdrm	hypo	CHH	-0.1252
Gm16	32020161	32021149	Gmdrm	hypo	CHH	-0.034
Gm16	32028463	32029459	Gmdrm	hypo	CHH	-0.1676
Gm16	32064277	32065275	Gmdrm	hypo	CHH	-0.1687
Gm16	32073737	32074736	Gmdrm	hypo	CHH	-0.0164
Gm16	32081796	32082349	Gmdrm	hypo	CHH	-0.0154
Gm16	32088771	32089766	Gmdrm	hypo	CHH	-0.0476
Gm16	32116639	32117331	Gmdrm	hypo	CHH	-0.0902
Gm16	32117625	32118625	Gmdrm	hypo	CHH	-0.0606
Gm16	32123421	32124411	Gmdrm	hypo	CHH	-0.0194
Gm16	32127131	32127302	Gmdrm	hypo	CHH	-0.0753
Gm16	32136188	32137183	Gmdrm	hypo	CHH	-0.0427
Gm16	32137228	32138202	Gmdrm	hypo	CHH	-0.0225
Gm16	32139781	32140781	Gmdrm	hypo	CHH	-0.091
Gm16	32140807	32141796	Gmdrm	hypo	CHH	-0.08
Gm16	32146274	32147269	Gmdrm	hypo	CHH	-0.0612
Gm16	32154505	32154994	Gmdrm	hypo	CHH	-0.0796
Gm16	32155554	32156539	Gmdrm	hypo	CHH	-0.0362
Gm16	32159000	32159989	Gmdrm	hypo	CHH	-0.1019
Gm16	32160015	32160999	Gmdrm	hypo	CHH	-0.0662
Gm16	32162074	32163069	Gmdrm	hypo	CHH	-0.0214
Gm16	32167134	32168086	Gmdrm	hypo	CHH	-0.0151
Gm16	32169362	32170061	Gmdrm	hypo	CHH	-0.046
Gm16	32172440	32173376	Gmdrm	hypo	CHH	-0.0177
Gm16	32174455	32174559	Gmdrm	hypo	CHH	-0.0517
Gm16	32194114	32195108	Gmdrm	hypo	CHH	-0.0504
Gm16	32205772	32206542	Gmdrm	hypo	CHH	-0.1156
Gm16	32213361	32214360	Gmdrm	hypo	CHH	-0.0572
Gm16	32220416	32221268	Gmdrm	hypo	CHH	-0.0573

Gm16	32225316	32226298	Gmdrm	hypo	CHH	-0.014
Gm16	32228452	32229447	Gmdrm	hypo	CHH	-0.11
Gm16	32229459	32230448	Gmdrm	hypo	CHH	-0.0773
Gm16	32237583	32238582	Gmdrm	hypo	CHH	-0.0119
Gm16	32238584	32239582	Gmdrm	hypo	CHH	-0.0177
Gm16	32248740	32249736	Gmdrm	hypo	CHH	-0.0783
Gm16	32249745	32250736	Gmdrm	hypo	CHH	-0.0749
Gm16	32256592	32257214	Gmdrm	hypo	CHH	-0.0187
Gm16	32259369	32260192	Gmdrm	hypo	CHH	-0.0121
Gm16	32268391	32269377	Gmdrm	hypo	CHH	-0.0166
Gm16	32270051	32271035	Gmdrm	hypo	CHH	-0.0202
Gm16	32272073	32272914	Gmdrm	hypo	CHH	-0.0144
Gm16	32277868	32278368	Gmdrm	hypo	CHH	-0.0705
Gm16	32278483	32279481	Gmdrm	hypo	CHH	-0.0139
Gm16	32295875	32296770	Gmdrm	hypo	CHH	-0.0207
Gm16	32300024	32301023	Gmdrm	hypo	CHH	-0.1332
Gm16	32301031	32302007	Gmdrm	hypo	CHH	-0.0854
Gm16	32309159	32310157	Gmdrm	hypo	CHH	-0.1029
Gm16	32310164	32311140	Gmdrm	hypo	CHH	-0.2122
Gm16	32311179	32312101	Gmdrm	hypo	CHH	-0.0502
Gm16	32322283	32323271	Gmdrm	hypo	CHH	-0.2012
Gm16	32323968	32324539	Gmdrm	hypo	CHH	-0.0308
Gm16	32326001	32326988	Gmdrm	hypo	CHH	-0.0333
Gm16	32327013	32327659	Gmdrm	hypo	CHH	-0.0182
Gm16	32329846	32330578	Gmdrm	hypo	CHH	-0.0195
Gm16	32346298	32347295	Gmdrm	hypo	CHH	-0.0478
Gm16	32347299	32348113	Gmdrm	hypo	CHH	-0.0718
Gm16	32350864	32351038	Gmdrm	hypo	CHH	-0.0536
Gm16	32354747	32355745	Gmdrm	hypo	CHH	-0.0188
Gm16	32361873	32362872	Gmdrm	hypo	CHH	-0.0208
Gm16	32362876	32363714	Gmdrm	hypo	CHH	-0.0594
Gm16	32368939	32369915	Gmdrm	hypo	CHH	-0.0735
Gm16	32369942	32370931	Gmdrm	hypo	CHH	-0.0155
Gm16	32377268	32378266	Gmdrm	hypo	CHH	-0.0932
Gm16	32381081	32382077	Gmdrm	hypo	CHH	-0.0512
Gm16	32382100	32383096	Gmdrm	hypo	CHH	-0.0478
Gm16	32384114	32385113	Gmdrm	hypo	CHH	-0.2464
Gm16	32385117	32385711	Gmdrm	hypo	CHH	-0.0764
Gm16	32396339	32397324	Gmdrm	hypo	CHH	-0.0129
Gm16	32402955	32403910	Gmdrm	hypo	CHH	-0.0256
Gm16	32408218	32409214	Gmdrm	hypo	CHH	-0.0153
Gm16	32445412	32446411	Gmdrm	hypo	CHH	-0.0338
Gm16	32453848	32454836	Gmdrm	hypo	CHH	-0.0254
Gm16	32454852	32455822	Gmdrm	hypo	CHH	-0.1193
Gm16	32458744	32459733	Gmdrm	hypo	CHH	-0.047
Gm16	32459794	32460791	Gmdrm	hypo	CHH	-0.0515

Gm16	32466290	32466829	Gmdrm	hypo	CHH	-0.0218
Gm16	32477651	32478649	Gmdrm	hypo	CHH	-0.0187
Gm16	32478652	32479595	Gmdrm	hypo	CHH	-0.0125
Gm16	32486940	32487927	Gmdrm	hypo	CHH	-0.0744
Gm16	32492117	32493114	Gmdrm	hypo	CHH	-0.0255
Gm16	32501990	32502445	Gmdrm	hypo	CHH	-0.0179
Gm16	32523256	32524228	Gmdrm	hypo	CHH	-0.0506
Gm16	32524258	32524293	Gmdrm	hypo	CHH	-0.08
Gm16	32524750	32525749	Gmdrm	hypo	CHH	-0.0184
Gm16	32526772	32527754	Gmdrm	hypo	CHH	-0.035
Gm16	32528933	32529880	Gmdrm	hypo	CHH	-0.0098
Gm16	32537336	32538306	Gmdrm	hypo	CHH	-0.0184
Gm16	32543495	32544485	Gmdrm	hypo	CHH	-0.0412
Gm16	32550554	32551554	Gmdrm	hypo	CHH	-0.0613
Gm16	32558441	32559437	Gmdrm	hypo	CHH	-0.0997
Gm16	32562499	32563488	Gmdrm	hypo	CHH	-0.1332
Gm16	32563505	32564489	Gmdrm	hypo	CHH	-0.0497
Gm16	32574636	32575631	Gmdrm	hypo	CHH	-0.0131
Gm16	32576839	32577274	Gmdrm	hypo	CHH	-0.124
Gm16	32581360	32582311	Gmdrm	hypo	CHH	-0.0169
Gm16	32602356	32603217	Gmdrm	hypo	CHH	-0.0109
Gm16	32614616	32615615	Gmdrm	hypo	CHH	-0.0409
Gm16	32615618	32616608	Gmdrm	hypo	CHH	-0.058
Gm16	32649585	32650552	Gmdrm	hypo	CHH	-0.0635
Gm16	32656731	32657731	Gmdrm	hypo	CHH	-0.041
Gm16	32657738	32658715	Gmdrm	hypo	CHH	-0.0907
Gm16	32665717	32666714	Gmdrm	hypo	CHH	-0.0449
Gm16	32666722	32667704	Gmdrm	hypo	CHH	-0.0188
Gm16	32668345	32669344	Gmdrm	hypo	CHH	-0.0181
Gm16	32669347	32670345	Gmdrm	hypo	CHH	-0.0166
Gm16	32691497	32692474	Gmdrm	hypo	CHH	-0.0217
Gm16	32692506	32692842	Gmdrm	hypo	CHH	-0.0179
Gm16	32720353	32721344	Gmdrm	hypo	CHH	-0.0142
Gm16	32732007	32733006	Gmdrm	hypo	CHH	-0.0714
Gm16	32733021	32733667	Gmdrm	hypo	CHH	-0.0806
Gm16	32734200	32734771	Gmdrm	hypo	CHH	-0.0181
Gm16	32734951	32735947	Gmdrm	hypo	CHH	-0.0309
Gm16	32735995	32736995	Gmdrm	hypo	CHH	-0.0233
Gm16	32749913	32750911	Gmdrm	hypo	CHH	-0.0255
Gm16	32750919	32751880	Gmdrm	hypo	CHH	-0.0192
Gm16	32751921	32752908	Gmdrm	hypo	CHH	-0.0313
Gm16	32752929	32753923	Gmdrm	hypo	CHH	-0.018
Gm16	32763765	32764618	Gmdrm	hypo	CHH	-0.069
Gm16	32779221	32780217	Gmdrm	hypo	CHH	-0.0248
Gm16	32800618	32801605	Gmdrm	hypo	CHH	-0.1521
Gm16	32803432	32804387	Gmdrm	hypo	CHH	-0.0201

Gm16	32818781	32819749	Gmdrm	hypo	CHH	-0.0362
Gm16	32819789	32820781	Gmdrm	hypo	CHH	-0.0438
Gm16	32824907	32825102	Gmdrm	hypo	CHH	-0.0254
Gm16	32825245	32826209	Gmdrm	hypo	CHH	-0.0213
Gm16	32828504	32829495	Gmdrm	hypo	CHH	-0.0194
Gm16	32830943	32831156	Gmdrm	hypo	CHH	-0.07
Gm16	32832495	32833492	Gmdrm	hypo	CHH	-0.0228
Gm16	32834997	32835972	Gmdrm	hypo	CHH	-0.0121
Gm16	32847680	32848673	Gmdrm	hypo	CHH	-0.0145
Gm16	32859236	32860166	Gmdrm	hypo	CHH	-0.0881
Gm16	32863443	32864422	Gmdrm	hypo	CHH	-0.0276
Gm16	32872085	32873063	Gmdrm	hypo	CHH	-0.0124
Gm16	32875189	32876182	Gmdrm	hypo	CHH	-0.0154
Gm16	32876196	32877192	Gmdrm	hypo	CHH	-0.0451
Gm16	32887675	32888675	Gmdrm	hypo	CHH	-0.1323
Gm16	32888677	32889664	Gmdrm	hypo	CHH	-0.0464
Gm16	32889690	32890688	Gmdrm	hypo	CHH	-0.0298
Gm16	32894526	32895480	Gmdrm	hypo	CHH	-0.0588
Gm16	32895557	32896538	Gmdrm	hypo	CHH	-0.0153
Gm16	32896581	32897553	Gmdrm	hypo	CHH	-0.0127
Gm16	32900396	32900776	Gmdrm	hypo	CHH	-0.0436
Gm16	32913701	32914658	Gmdrm	hypo	CHH	-0.0633
Gm16	32917767	32918755	Gmdrm	hypo	CHH	-0.0328
Gm16	32918783	32919747	Gmdrm	hypo	CHH	-0.0363
Gm16	32919785	32920780	Gmdrm	hypo	CHH	-0.0204
Gm16	32920802	32921662	Gmdrm	hypo	CHH	-0.0196
Gm16	32929154	32929843	Gmdrm	hypo	CHH	-0.0188
Gm16	32959478	32960476	Gmdrm	hypo	CHH	-0.02
Gm16	32968994	32969984	Gmdrm	hypo	CHH	-0.0404
Gm16	32971047	32971867	Gmdrm	hypo	CHH	-0.0625
Gm16	32971978	32972963	Gmdrm	hypo	CHH	-0.012
Gm16	32979157	32980154	Gmdrm	hypo	CHH	-0.0517
Gm16	32981170	32982159	Gmdrm	hypo	CHH	-0.0297
Gm16	32982194	32983189	Gmdrm	hypo	CHH	-0.0427
Gm16	32994688	32995686	Gmdrm	hypo	CHH	-0.0381
Gm16	33021995	33022993	Gmdrm	hypo	CHH	-0.018
Gm16	33033769	33034754	Gmdrm	hypo	CHH	-0.0174
Gm16	33039364	33040359	Gmdrm	hypo	CHH	-0.0453
Gm16	33040365	33041353	Gmdrm	hypo	CHH	-0.0749
Gm16	33058712	33059702	Gmdrm	hypo	CHH	-0.0224
Gm16	33070630	33071263	Gmdrm	hypo	CHH	-0.029
Gm16	33078688	33079686	Gmdrm	hypo	CHH	-0.0133
Gm16	33086722	33087700	Gmdrm	hypo	CHH	-0.0229
Gm16	33087725	33088699	Gmdrm	hypo	CHH	-0.0564
Gm16	33088743	33089156	Gmdrm	hypo	CHH	-0.0208
Gm16	33090241	33091229	Gmdrm	hypo	CHH	-0.0142

Gm16	33091246	33092237	Gmdrm	hypo	CHH	-0.0278
Gm16	33103148	33103410	Gmdrm	hypo	CHH	-0.0287
Gm16	33103522	33104516	Gmdrm	hypo	CHH	-0.0446
Gm16	33109861	33110172	Gmdrm	hypo	CHH	-0.0365
Gm16	33122455	33123445	Gmdrm	hypo	CHH	-0.0328
Gm16	33128177	33129175	Gmdrm	hypo	CHH	-0.1204
Gm16	33131156	33132144	Gmdrm	hypo	CHH	-0.0162
Gm16	33141378	33141905	Gmdrm	hypo	CHH	-0.0162
Gm16	33143054	33144046	Gmdrm	hypo	CHH	-0.0476
Gm16	33144680	33145667	Gmdrm	hypo	CHH	-0.0291
Gm16	33164352	33165334	Gmdrm	hypo	CHH	-0.0134
Gm16	33167873	33168868	Gmdrm	hypo	CHH	-0.0246
Gm16	33177892	33178622	Gmdrm	hypo	CHH	-0.0367
Gm16	33179619	33180615	Gmdrm	hypo	CHH	-0.031
Gm16	33186585	33187582	Gmdrm	hypo	CHH	-0.0197
Gm16	33205976	33206975	Gmdrm	hypo	CHH	-0.0184
Gm16	33213721	33214703	Gmdrm	hypo	CHH	-0.0223
Gm16	33217766	33218763	Gmdrm	hypo	CHH	-0.0432
Gm16	33218774	33219774	Gmdrm	hypo	CHH	-0.0576
Gm16	33241945	33242894	Gmdrm	hypo	CHH	-0.0166
Gm16	33244033	33245017	Gmdrm	hypo	CHH	-0.0157
Gm16	33246995	33247986	Gmdrm	hypo	CHH	-0.0228
Gm16	33260152	33261150	Gmdrm	hypo	CHH	-0.0593
Gm16	33261826	33262230	Gmdrm	hypo	CHH	-0.5098
Gm16	33266407	33267393	Gmdrm	hypo	CHH	-0.0476
Gm16	33267787	33268679	Gmdrm	hypo	CHH	-0.0598
Gm16	33269367	33270355	Gmdrm	hypo	CHH	-0.0577
Gm16	33271380	33272346	Gmdrm	hypo	CHH	-0.0358
Gm16	33272386	33273380	Gmdrm	hypo	CHH	-0.0382
Gm16	33279111	33280091	Gmdrm	hypo	CHH	-0.0747
Gm16	33280122	33281118	Gmdrm	hypo	CHH	-0.0397
Gm16	33281741	33282725	Gmdrm	hypo	CHH	-0.0948
Gm16	33292295	33293259	Gmdrm	hypo	CHH	-0.1619
Gm16	33293868	33294171	Gmdrm	hypo	CHH	-0.364
Gm16	33299218	33300210	Gmdrm	hypo	CHH	-0.0708
Gm16	33300232	33301223	Gmdrm	hypo	CHH	-0.0512
Gm16	33301861	33302186	Gmdrm	hypo	CHH	-0.0178
Gm16	33304309	33305308	Gmdrm	hypo	CHH	-0.1742
Gm16	33305311	33306308	Gmdrm	hypo	CHH	-0.1064
Gm16	33306680	33307623	Gmdrm	hypo	CHH	-0.0179
Gm16	33307696	33308353	Gmdrm	hypo	CHH	-0.0204
Gm16	33313572	33314572	Gmdrm	hypo	CHH	-0.0192
Gm16	33314581	33315528	Gmdrm	hypo	CHH	-0.02
Gm16	33315582	33316569	Gmdrm	hypo	CHH	-0.1435
Gm16	33324247	33325241	Gmdrm	hypo	CHH	-0.0233
Gm16	33329945	33330942	Gmdrm	hypo	CHH	-0.0462

Gm16	33332969	33333968	Gmdrm	hypo	CHH	-0.0454
Gm16	33333976	33334966	Gmdrm	hypo	CHH	-0.0189
Gm16	33339416	33339473	Gmdrm	hypo	CHH	-0.2812
Gm16	33339794	33340791	Gmdrm	hypo	CHH	-0.0512
Gm16	33345591	33346573	Gmdrm	hypo	CHH	-0.0519
Gm16	33346593	33347589	Gmdrm	hypo	CHH	-0.0139
Gm16	33350548	33351532	Gmdrm	hypo	CHH	-0.0723
Gm16	33352361	33353345	Gmdrm	hypo	CHH	-0.033
Gm16	33354041	33354431	Gmdrm	hypo	CHH	-0.037
Gm16	33356603	33357599	Gmdrm	hypo	CHH	-0.0325
Gm16	33358638	33359638	Gmdrm	hypo	CHH	-0.0295
Gm16	33359645	33359847	Gmdrm	hypo	CHH	-0.073
Gm16	33360272	33361266	Gmdrm	hypo	CHH	-0.0315
Gm16	33361273	33362267	Gmdrm	hypo	CHH	-0.0183
Gm16	33367868	33368861	Gmdrm	hypo	CHH	-0.1231
Gm16	33368869	33369465	Gmdrm	hypo	CHH	-0.0789
Gm16	33377658	33378117	Gmdrm	hypo	CHH	-0.0338
Gm16	33378234	33378440	Gmdrm	hypo	CHH	-0.051
Gm16	33378549	33378962	Gmdrm	hypo	CHH	-0.0842
Gm16	33379095	33380093	Gmdrm	hypo	CHH	-0.0167
Gm16	33380474	33381470	Gmdrm	hypo	CHH	-0.0133
Gm16	33381490	33381946	Gmdrm	hypo	CHH	-0.052
Gm16	33384159	33385157	Gmdrm	hypo	CHH	-0.0187
Gm16	33385161	33385942	Gmdrm	hypo	CHH	-0.0096
Gm16	33387037	33388037	Gmdrm	hypo	CHH	-0.0648
Gm16	33388066	33389058	Gmdrm	hypo	CHH	-0.0085
Gm16	33416946	33417944	Gmdrm	hypo	CHH	-0.1115
Gm16	33417951	33418950	Gmdrm	hypo	CHH	-0.0339
Gm16	33418983	33419977	Gmdrm	hypo	CHH	-0.0163
Gm16	33419991	33420926	Gmdrm	hypo	CHH	-0.1009
Gm16	33424880	33425880	Gmdrm	hypo	CHH	-0.0161
Gm16	33430730	33431719	Gmdrm	hypo	CHH	-0.057
Gm16	33432387	33432793	Gmdrm	hypo	CHH	-0.3644
Gm16	33436265	33437255	Gmdrm	hypo	CHH	-0.0388
Gm16	33437267	33438267	Gmdrm	hypo	CHH	-0.0333
Gm16	33438272	33439272	Gmdrm	hypo	CHH	-0.0333
Gm16	33439274	33440273	Gmdrm	hypo	CHH	-0.0652
Gm16	33440284	33441262	Gmdrm	hypo	CHH	-0.0213
Gm16	33441285	33441947	Gmdrm	hypo	CHH	-0.0179
Gm16	33442069	33443069	Gmdrm	hypo	CHH	-0.0192
Gm16	33443072	33444052	Gmdrm	hypo	CHH	-0.256
Gm16	33448144	33449114	Gmdrm	hypo	CHH	-0.0939
Gm16	33449147	33450147	Gmdrm	hypo	CHH	-0.0374
Gm16	33450150	33451149	Gmdrm	hypo	CHH	-0.0155
Gm16	33451153	33452151	Gmdrm	hypo	CHH	-0.1281
Gm16	33453072	33454070	Gmdrm	hypo	CHH	-0.0185

Gm16	33456867	33457727	Gmdrm	hypo	CHH	-0.0321
Gm16	33460522	33460743	Gmdrm	hypo	CHH	-0.0343
Gm16	33466071	33466788	Gmdrm	hypo	CHH	-0.0203
Gm16	33473046	33474020	Gmdrm	hypo	CHH	-0.0169
Gm16	33474054	33474495	Gmdrm	hypo	CHH	-0.0506
Gm16	33482618	33483615	Gmdrm	hypo	CHH	-0.0346
Gm16	33495136	33496135	Gmdrm	hypo	CHH	-0.0217
Gm16	33501894	33502891	Gmdrm	hypo	CHH	-0.0181
Gm16	33506293	33507282	Gmdrm	hypo	CHH	-0.0161
Gm16	33514468	33515437	Gmdrm	hypo	CHH	-0.1924
Gm16	33517500	33517818	Gmdrm	hypo	CHH	-0.0264
Gm16	33520457	33521453	Gmdrm	hypo	CHH	-0.0497
Gm16	33521458	33522446	Gmdrm	hypo	CHH	-0.0499
Gm16	33531611	33532609	Gmdrm	hypo	CHH	-0.0161
Gm16	33536463	33537451	Gmdrm	hypo	CHH	-0.0115
Gm16	33541047	33542036	Gmdrm	hypo	CHH	-0.0878
Gm16	33551807	33552793	Gmdrm	hypo	CHH	-0.1614
Gm16	33554097	33555087	Gmdrm	hypo	CHH	-0.0217
Gm16	33563188	33564180	Gmdrm	hypo	CHH	-0.1313
Gm16	33564192	33565191	Gmdrm	hypo	CHH	-0.0676
Gm16	33570957	33571930	Gmdrm	hypo	CHH	-0.0139
Gm16	33571968	33572967	Gmdrm	hypo	CHH	-0.0711
Gm16	33572969	33573834	Gmdrm	hypo	CHH	-0.0575
Gm16	33578543	33579542	Gmdrm	hypo	CHH	-0.2038
Gm16	33579545	33580495	Gmdrm	hypo	CHH	-0.0999
Gm16	33581504	33582486	Gmdrm	hypo	CHH	-0.0223
Gm16	33585212	33586193	Gmdrm	hypo	CHH	-0.0148
Gm16	33590577	33591477	Gmdrm	hypo	CHH	-0.0254
Gm16	33606298	33607286	Gmdrm	hypo	CHH	-0.0248
Gm16	33610259	33611237	Gmdrm	hypo	CHH	-0.0247
Gm16	33618481	33619282	Gmdrm	hypo	CHH	-0.0233
Gm16	33621409	33621650	Gmdrm	hypo	CHH	-0.0433
Gm16	33622908	33623479	Gmdrm	hypo	CHH	-0.0294
Gm16	33623870	33624870	Gmdrm	hypo	CHH	-0.0627
Gm16	33624891	33625281	Gmdrm	hypo	CHH	-0.0963
Gm16	33635361	33635623	Gmdrm	hypo	CHH	-0.1267
Gm16	33636728	33637204	Gmdrm	hypo	CHH	-0.0374
Gm16	33645098	33646053	Gmdrm	hypo	CHH	-0.0345
Gm16	33651969	33652969	Gmdrm	hypo	CHH	-0.0128
Gm16	33660203	33660253	Gmdrm	hypo	CHH	-0.0867
Gm16	33668252	33669223	Gmdrm	hypo	CHH	-0.0067
Gm16	33677388	33677862	Gmdrm	hypo	CHH	-0.0255
Gm16	33680071	33680198	Gmdrm	hypo	CHH	-0.1434
Gm16	33745727	33745903	Gmdrm	hypo	CHH	-0.075
Gm16	33752852	33753642	Gmdrm	hypo	CHH	-0.0128
Gm16	33754156	33755133	Gmdrm	hypo	CHH	-0.013

Gm16	33756676	33757676	Gmdrm	hypo	CHH	-0.0346
Gm16	33757678	33758677	Gmdrm	hypo	CHH	-0.0274
Gm16	33766378	33767371	Gmdrm	hypo	CHH	-0.0144
Gm16	33768164	33769113	Gmdrm	hypo	CHH	-0.0108
Gm16	33770675	33771675	Gmdrm	hypo	CHH	-0.0344
Gm16	33771681	33772680	Gmdrm	hypo	CHH	-0.0099
Gm16	33772686	33773683	Gmdrm	hypo	CHH	-0.0247
Gm16	33789314	33790302	Gmdrm	hypo	CHH	-0.0087
Gm16	33792310	33793310	Gmdrm	hypo	CHH	-0.0101
Gm16	33793317	33794309	Gmdrm	hypo	CHH	-0.0067
Gm16	33807335	33808335	Gmdrm	hypo	CHH	-0.0043
Gm16	33809343	33810342	Gmdrm	hypo	CHH	-0.0061
Gm16	33810346	33811345	Gmdrm	hypo	CHH	-0.0066
Gm16	33811349	33812339	Gmdrm	hypo	CHH	-0.0072
Gm16	33814363	33815014	Gmdrm	hypo	CHH	-0.0166
Gm16	33817009	33817998	Gmdrm	hypo	CHH	-0.0051
Gm16	33818011	33819007	Gmdrm	hypo	CHH	-0.0063
Gm16	33821753	33822752	Gmdrm	hypo	CHH	-0.0135
Gm16	33822754	33823754	Gmdrm	hypo	CHH	-0.0142
Gm16	33829113	33830106	Gmdrm	hypo	CHH	-0.0071
Gm16	33832337	33833336	Gmdrm	hypo	CHH	-0.0102
Gm16	33859795	33860795	Gmdrm	hypo	CHH	-0.0463
Gm16	33860797	33861302	Gmdrm	hypo	CHH	-0.1147
Gm16	33862812	33863804	Gmdrm	hypo	CHH	-0.1865
Gm16	33866777	33867192	Gmdrm	hypo	CHH	-0.049
Gm16	33885854	33886840	Gmdrm	hypo	CHH	-0.2454
Gm16	33888472	33889087	Gmdrm	hypo	CHH	-0.018
Gm16	33890381	33891379	Gmdrm	hypo	CHH	-0.04
Gm16	33891386	33892383	Gmdrm	hypo	CHH	-0.0239
Gm16	33909016	33910012	Gmdrm	hypo	CHH	-0.0473
Gm16	33915702	33916446	Gmdrm	hypo	CHH	-0.2441
Gm16	33918433	33919432	Gmdrm	hypo	CHH	-0.1161
Gm16	33919447	33920445	Gmdrm	hypo	CHH	-0.0257
Gm16	33922704	33923194	Gmdrm	hypo	CHH	-0.1267
Gm16	33923532	33924527	Gmdrm	hypo	CHH	-0.1422
Gm16	33934050	33935048	Gmdrm	hypo	CHH	-0.1035
Gm16	33940304	33941124	Gmdrm	hypo	CHH	-0.191
Gm16	33943554	33944547	Gmdrm	hypo	CHH	-0.3294
Gm16	33961242	33961849	Gmdrm	hypo	CHH	-0.1121
Gm16	33968723	33969612	Gmdrm	hypo	CHH	-0.0203
Gm16	33971824	33972820	Gmdrm	hypo	CHH	-0.0188
Gm16	33973881	33974881	Gmdrm	hypo	CHH	-0.0643
Gm16	33974885	33975884	Gmdrm	hypo	CHH	-0.1698
Gm16	33979203	33980198	Gmdrm	hypo	CHH	-0.1397
Gm16	33980832	33981827	Gmdrm	hypo	CHH	-0.0697
Gm16	33987026	33988021	Gmdrm	hypo	CHH	-0.0457

Gm16	33988032	33988767	Gmdrm	hypo	CHH	-0.0509
Gm16	33996906	33997905	Gmdrm	hypo	CHH	-0.0221
Gm16	33997910	33998856	Gmdrm	hypo	CHH	-0.017
Gm16	34005804	34006794	Gmdrm	hypo	CHH	-0.0373
Gm16	34006805	34007803	Gmdrm	hypo	CHH	-0.0471
Gm16	34008835	34009830	Gmdrm	hypo	CHH	-0.028
Gm16	34010857	34011853	Gmdrm	hypo	CHH	-0.019
Gm16	34013624	34014613	Gmdrm	hypo	CHH	-0.0271
Gm16	34014628	34015619	Gmdrm	hypo	CHH	-0.0226
Gm16	34015630	34016287	Gmdrm	hypo	CHH	-0.053
Gm16	34039296	34040294	Gmdrm	hypo	CHH	-0.0602
Gm16	34041327	34042301	Gmdrm	hypo	CHH	-0.0289
Gm16	34042331	34043331	Gmdrm	hypo	CHH	-0.0445
Gm16	34043333	34044330	Gmdrm	hypo	CHH	-0.0233
Gm16	34044339	34045335	Gmdrm	hypo	CHH	-0.0484
Gm16	34052175	34053173	Gmdrm	hypo	CHH	-0.0093
Gm16	34061244	34062242	Gmdrm	hypo	CHH	-0.0128
Gm16	34064267	34065265	Gmdrm	hypo	CHH	-0.0158
Gm16	34069340	34070339	Gmdrm	hypo	CHH	-0.0964
Gm16	34070343	34071339	Gmdrm	hypo	CHH	-0.0611
Gm16	34099045	34100039	Gmdrm	hypo	CHH	-0.0248
Gm16	34119160	34120158	Gmdrm	hypo	CHH	-0.0684
Gm16	34120161	34120418	Gmdrm	hypo	CHH	-0.7181
Gm16	34123036	34124017	Gmdrm	hypo	CHH	-0.0906
Gm16	34140013	34141013	Gmdrm	hypo	CHH	-0.1054
Gm16	34141021	34141489	Gmdrm	hypo	CHH	-0.3163
Gm16	34142509	34143117	Gmdrm	hypo	CHH	-0.1607
Gm16	34144233	34145146	Gmdrm	hypo	CHH	-0.1812
Gm16	34155862	34156807	Gmdrm	hypo	CHH	-0.0978
Gm16	34156898	34157892	Gmdrm	hypo	CHH	-0.0781
Gm16	34183725	34184658	Gmdrm	hypo	CHH	-0.019
Gm16	34188124	34188886	Gmdrm	hypo	CHH	-0.0323
Gm16	34196750	34197732	Gmdrm	hypo	CHH	-0.0335
Gm16	34205229	34206216	Gmdrm	hypo	CHH	-0.0526
Gm16	34208247	34209206	Gmdrm	hypo	CHH	-0.0529
Gm16	34215793	34216787	Gmdrm	hypo	CHH	-0.041
Gm16	34222748	34223738	Gmdrm	hypo	CHH	-0.0453
Gm16	34223750	34224734	Gmdrm	hypo	CHH	-0.0534
Gm16	34249490	34250454	Gmdrm	hypo	CHH	-0.0181
Gm16	34250497	34251494	Gmdrm	hypo	CHH	-0.0113
Gm16	34251506	34252255	Gmdrm	hypo	CHH	-0.0852
Gm16	34258257	34259248	Gmdrm	hypo	CHH	-0.0839
Gm16	34260302	34261301	Gmdrm	hypo	CHH	-0.0318
Gm16	34261304	34261836	Gmdrm	hypo	CHH	-0.0263
Gm16	34279677	34280666	Gmdrm	hypo	CHH	-0.0214
Gm16	34297759	34298175	Gmdrm	hypo	CHH	-0.1108

Gm16	34300496	34301479	Gmdrm	hypo	CHH	-0.0165
Gm16	34304054	34305054	Gmdrm	hypo	CHH	-0.0221
Gm16	34306073	34307071	Gmdrm	hypo	CHH	-0.0349
Gm16	34315033	34316016	Gmdrm	hypo	CHH	-0.0591
Gm16	34316040	34317037	Gmdrm	hypo	CHH	-0.0913
Gm16	34317044	34318044	Gmdrm	hypo	CHH	-0.0476
Gm16	34318045	34318206	Gmdrm	hypo	CHH	-0.0557
Gm16	34320379	34321333	Gmdrm	hypo	CHH	-0.0127
Gm16	34321380	34322349	Gmdrm	hypo	CHH	-0.0503
Gm16	34326728	34327727	Gmdrm	hypo	CHH	-0.0723
Gm16	34327736	34328734	Gmdrm	hypo	CHH	-0.116
Gm16	34333333	34334331	Gmdrm	hypo	CHH	-0.0147
Gm16	34348779	34349778	Gmdrm	hypo	CHH	-0.0324
Gm16	34351363	34351522	Gmdrm	hypo	CHH	-0.0757
Gm16	34351626	34352626	Gmdrm	hypo	CHH	-0.0147
Gm16	34354483	34355480	Gmdrm	hypo	CHH	-0.2277
Gm16	34355486	34356480	Gmdrm	hypo	CHH	-0.1819
Gm16	34362880	34363427	Gmdrm	hypo	CHH	-0.039
Gm16	34371226	34372206	Gmdrm	hypo	CHH	-0.0662
Gm16	34375922	34376886	Gmdrm	hypo	CHH	-0.02
Gm16	34388621	34389566	Gmdrm	hypo	CHH	-0.0199
Gm16	34392647	34393618	Gmdrm	hypo	CHH	-0.1751
Gm16	34402515	34403515	Gmdrm	hypo	CHH	-0.0307
Gm16	34403516	34404500	Gmdrm	hypo	CHH	-0.1307
Gm16	34404528	34405517	Gmdrm	hypo	CHH	-0.0185
Gm16	34413068	34414068	Gmdrm	hypo	CHH	-0.036
Gm16	34421912	34422910	Gmdrm	hypo	CHH	-0.0299
Gm16	34424877	34425845	Gmdrm	hypo	CHH	-0.0427
Gm16	34426925	34427921	Gmdrm	hypo	CHH	-0.1024
Gm16	34430579	34431529	Gmdrm	hypo	CHH	-0.0186
Gm16	34433614	34434291	Gmdrm	hypo	CHH	-0.0225
Gm16	34440739	34441434	Gmdrm	hypo	CHH	-0.0257
Gm16	34452624	34453599	Gmdrm	hypo	CHH	-0.0231
Gm16	34458757	34459751	Gmdrm	hypo	CHH	-0.0269
Gm16	34467490	34467701	Gmdrm	hypo	CHH	-0.0691
Gm16	34471888	34472813	Gmdrm	hypo	CHH	-0.036
Gm16	34473007	34474007	Gmdrm	hypo	CHH	-0.0458
Gm16	34474010	34474454	Gmdrm	hypo	CHH	-0.0296
Gm16	34487647	34488643	Gmdrm	hypo	CHH	-0.0302
Gm16	34488649	34489648	Gmdrm	hypo	CHH	-0.0926
Gm16	34489660	34490627	Gmdrm	hypo	CHH	-0.0159
Gm16	34492827	34493821	Gmdrm	hypo	CHH	-0.0161
Gm16	34513191	34514156	Gmdrm	hypo	CHH	-0.0448
Gm16	34518762	34519373	Gmdrm	hypo	CHH	-0.025
Gm16	34520493	34521491	Gmdrm	hypo	CHH	-0.0341
Gm16	34521505	34522500	Gmdrm	hypo	CHH	-0.0616

Gm16	34522515	34523502	Gmdrm	hypo	CHH	-0.0437
Gm16	34523523	34524459	Gmdrm	hypo	CHH	-0.0713
Gm16	34525607	34526587	Gmdrm	hypo	CHH	-0.013
Gm16	34539462	34540458	Gmdrm	hypo	CHH	-0.1446
Gm16	34551881	34552786	Gmdrm	hypo	CHH	-0.0254
Gm16	34554935	34555925	Gmdrm	hypo	CHH	-0.0119
Gm16	34571878	34572862	Gmdrm	hypo	CHH	-0.0141
Gm16	34572883	34573882	Gmdrm	hypo	CHH	-0.0399
Gm16	34577998	34578997	Gmdrm	hypo	CHH	-0.0149
Gm16	34585016	34585060	Gmdrm	hypo	CHH	-0.092
Gm16	34585403	34585740	Gmdrm	hypo	CHH	-0.0773
Gm16	34588488	34589461	Gmdrm	hypo	CHH	-0.0129
Gm16	34599988	34600947	Gmdrm	hypo	CHH	-0.3038
Gm16	34604392	34605391	Gmdrm	hypo	CHH	-0.0234
Gm16	34607738	34607786	Gmdrm	hypo	CHH	-0.3125
Gm16	34609662	34610662	Gmdrm	hypo	CHH	-0.065
Gm16	34610672	34610860	Gmdrm	hypo	CHH	-0.1279
Gm16	34611454	34612445	Gmdrm	hypo	CHH	-0.0382
Gm16	34612464	34613460	Gmdrm	hypo	CHH	-0.0455
Gm16	34613466	34614442	Gmdrm	hypo	CHH	-0.0581
Gm16	34614472	34614976	Gmdrm	hypo	CHH	-0.1353
Gm16	34615086	34615424	Gmdrm	hypo	CHH	-0.0747
Gm16	34615658	34615902	Gmdrm	hypo	CHH	-0.1227
Gm16	34616319	34616811	Gmdrm	hypo	CHH	-0.0408
Gm16	34620881	34621881	Gmdrm	hypo	CHH	-0.0386
Gm16	34621883	34622169	Gmdrm	hypo	CHH	-0.0712
Gm16	34623002	34623958	Gmdrm	hypo	CHH	-0.0462
Gm16	34628064	34629064	Gmdrm	hypo	CHH	-0.0362
Gm16	34629069	34630056	Gmdrm	hypo	CHH	-0.0188
Gm16	34642120	34642227	Gmdrm	hypo	CHH	-0.21
Gm16	34642777	34643230	Gmdrm	hypo	CHH	-0.1254
Gm16	34644062	34645062	Gmdrm	hypo	CHH	-0.0846
Gm16	34645078	34645292	Gmdrm	hypo	CHH	-0.1853
Gm16	34646475	34647442	Gmdrm	hypo	CHH	-0.0775
Gm16	34650757	34651131	Gmdrm	hypo	CHH	-0.1362
Gm16	34651239	34652204	Gmdrm	hypo	CHH	-0.0619
Gm16	34652256	34652443	Gmdrm	hypo	CHH	-0.054
Gm16	34660526	34661040	Gmdrm	hypo	CHH	-0.1807
Gm16	34661451	34662448	Gmdrm	hypo	CHH	-0.0267
Gm16	34663117	34663450	Gmdrm	hypo	CHH	-0.1988
Gm16	34664219	34665214	Gmdrm	hypo	CHH	-0.0251
Gm16	34674163	34675142	Gmdrm	hypo	CHH	-0.0267
Gm16	34707502	34707909	Gmdrm	hypo	CHH	-0.054
Gm16	34716300	34717299	Gmdrm	hypo	CHH	-0.076
Gm16	34717302	34718301	Gmdrm	hypo	CHH	-0.1292
Gm16	34718304	34719064	Gmdrm	hypo	CHH	-0.055

Gm16	34727008	34727743	Gmdrm	hypo	CHH	-0.0378
Gm16	34736446	34737369	Gmdrm	hypo	CHH	-0.0277
Gm16	34740314	34741294	Gmdrm	hypo	CHH	-0.0684
Gm16	34741319	34742317	Gmdrm	hypo	CHH	-0.13
Gm16	34749438	34750432	Gmdrm	hypo	CHH	-0.0412
Gm16	34755550	34756548	Gmdrm	hypo	CHH	-0.1081
Gm16	34756558	34756663	Gmdrm	hypo	CHH	-0.199
Gm16	34780920	34781213	Gmdrm	hypo	CHH	-0.1223
Gm16	34788072	34788988	Gmdrm	hypo	CHH	-0.0214
Gm16	34789116	34789189	Gmdrm	hypo	CHH	-0.046
Gm16	34789576	34789989	Gmdrm	hypo	CHH	-0.053
Gm16	34791623	34792139	Gmdrm	hypo	CHH	-0.082
Gm16	34798094	34799077	Gmdrm	hypo	CHH	-0.0531
Gm16	34799594	34799798	Gmdrm	hypo	CHH	-0.0366
Gm16	34799980	34800190	Gmdrm	hypo	CHH	-0.0705
Gm16	34804632	34804898	Gmdrm	hypo	CHH	-0.0394
Gm16	34805042	34806036	Gmdrm	hypo	CHH	-0.0777
Gm16	34806062	34807040	Gmdrm	hypo	CHH	-0.1025
Gm16	34807072	34808063	Gmdrm	hypo	CHH	-0.1205
Gm16	34809077	34810072	Gmdrm	hypo	CHH	-0.0393
Gm16	34810084	34811083	Gmdrm	hypo	CHH	-0.0111
Gm16	34811090	34811699	Gmdrm	hypo	CHH	-0.0188
Gm16	34823769	34824767	Gmdrm	hypo	CHH	-0.1196
Gm16	34824770	34825314	Gmdrm	hypo	CHH	-0.0895
Gm16	34825507	34826079	Gmdrm	hypo	CHH	-0.14
Gm16	34826855	34827046	Gmdrm	hypo	CHH	-0.082
Gm16	34827833	34828833	Gmdrm	hypo	CHH	-0.0753
Gm16	34829965	34830961	Gmdrm	hypo	CHH	-0.0373
Gm16	34831524	34831764	Gmdrm	hypo	CHH	-0.0682
Gm16	34831871	34831980	Gmdrm	hypo	CHH	-0.075
Gm16	34838164	34839155	Gmdrm	hypo	CHH	-0.0479
Gm16	34839168	34840165	Gmdrm	hypo	CHH	-0.0609
Gm16	34851764	34852485	Gmdrm	hypo	CHH	-0.0843
Gm16	34853295	34854113	Gmdrm	hypo	CHH	-0.1152
Gm16	34855811	34856748	Gmdrm	hypo	CHH	-0.0595
Gm16	34868809	34869722	Gmdrm	hypo	CHH	-0.025
Gm16	34869836	34870458	Gmdrm	hypo	CHH	-0.0523
Gm16	34871486	34872410	Gmdrm	hypo	CHH	-0.0281
Gm16	34872509	34873509	Gmdrm	hypo	CHH	-0.0753
Gm16	34878393	34878690	Gmdrm	hypo	CHH	-0.0435
Gm16	34885273	34885713	Gmdrm	hypo	CHH	-0.053
Gm16	34886319	34887319	Gmdrm	hypo	CHH	-0.1103
Gm16	34887435	34888435	Gmdrm	hypo	CHH	-0.111
Gm16	34888438	34889409	Gmdrm	hypo	CHH	-0.0569
Gm16	34889469	34890459	Gmdrm	hypo	CHH	-0.0285
Gm16	34890473	34891473	Gmdrm	hypo	CHH	-0.0397

Gm16	34891492	34892488	Gmdrm	hypo	CHH	-0.0104
Gm16	34893578	34894559	Gmdrm	hypo	CHH	-0.0319
Gm16	34897279	34898271	Gmdrm	hypo	CHH	-0.029
Gm16	34906071	34906310	Gmdrm	hypo	CHH	-0.0847
Gm16	34906903	34907900	Gmdrm	hypo	CHH	-0.0483
Gm16	34913590	34914531	Gmdrm	hypo	CHH	-0.1243
Gm16	34914607	34915345	Gmdrm	hypo	CHH	-0.0307
Gm16	34915567	34916563	Gmdrm	hypo	CHH	-0.0974
Gm16	34916586	34916638	Gmdrm	hypo	CHH	-0.052
Gm16	34916781	34917759	Gmdrm	hypo	CHH	-0.0259
Gm16	34920052	34921038	Gmdrm	hypo	CHH	-0.0261
Gm16	34926940	34927900	Gmdrm	hypo	CHH	-0.176
Gm16	34930143	34930872	Gmdrm	hypo	CHH	-0.0225
Gm16	34937285	34938272	Gmdrm	hypo	CHH	-0.0104
Gm16	34959473	34960470	Gmdrm	hypo	CHH	-0.0163
Gm16	34966998	34967639	Gmdrm	hypo	CHH	-0.0452
Gm16	34967941	34968572	Gmdrm	hypo	CHH	-0.0809
Gm16	34968944	34969924	Gmdrm	hypo	CHH	-0.1041
Gm16	34969959	34970403	Gmdrm	hypo	CHH	-0.1533
Gm16	34970531	34971259	Gmdrm	hypo	CHH	-0.1403
Gm16	34971425	34972415	Gmdrm	hypo	CHH	-0.0174
Gm16	34972429	34973404	Gmdrm	hypo	CHH	-0.0407
Gm16	34973450	34974448	Gmdrm	hypo	CHH	-0.0346
Gm16	34974454	34975185	Gmdrm	hypo	CHH	-0.0455
Gm16	34975433	34976431	Gmdrm	hypo	CHH	-0.0493
Gm16	34976467	34977253	Gmdrm	hypo	CHH	-0.0398
Gm16	34979704	34980699	Gmdrm	hypo	CHH	-0.0225
Gm16	34982778	34983193	Gmdrm	hypo	CHH	-0.0352
Gm16	34984324	34985253	Gmdrm	hypo	CHH	-0.0559
Gm16	34985327	34986327	Gmdrm	hypo	CHH	-0.0566
Gm16	34991831	34992083	Gmdrm	hypo	CHH	-0.1252
Gm16	34992372	34992804	Gmdrm	hypo	CHH	-0.0771
Gm16	34993714	34994672	Gmdrm	hypo	CHH	-0.0334
Gm16	34994719	34995716	Gmdrm	hypo	CHH	-0.0328
Gm16	34995731	34996002	Gmdrm	hypo	CHH	-0.1052
Gm16	35001302	35001472	Gmdrm	hypo	CHH	-0.138
Gm16	35001908	35002272	Gmdrm	hypo	CHH	-0.0806
Gm16	35003031	35003326	Gmdrm	hypo	CHH	-0.1794
Gm16	35003462	35003574	Gmdrm	hypo	CHH	-0.1473
Gm16	35003891	35004878	Gmdrm	hypo	CHH	-0.0503
Gm16	35005737	35006723	Gmdrm	hypo	CHH	-0.0564
Gm16	35017819	35018815	Gmdrm	hypo	CHH	-0.0368
Gm16	35018825	35019804	Gmdrm	hypo	CHH	-0.0283
Gm16	35019957	35020909	Gmdrm	hypo	CHH	-0.101
Gm16	35021404	35021494	Gmdrm	hypo	CHH	-0.142
Gm16	35021744	35022739	Gmdrm	hypo	CHH	-0.0954

Gm16	35022749	35022859	Gmdrm	hypo	CHH	-0.1662
Gm16	35022977	35023948	Gmdrm	hypo	CHH	-0.0909
Gm16	35023978	35024698	Gmdrm	hypo	CHH	-0.0497
Gm16	35024819	35025812	Gmdrm	hypo	CHH	-0.0306
Gm16	35025842	35026473	Gmdrm	hypo	CHH	-0.1426
Gm16	35027157	35028132	Gmdrm	hypo	CHH	-0.0342
Gm16	35028158	35028647	Gmdrm	hypo	CHH	-0.0362
Gm16	35132786	35133733	Gmdrm	hypo	CHH	-0.0324
Gm16	35134208	35134511	Gmdrm	hypo	CHH	-0.1456
Gm16	35135032	35136030	Gmdrm	hypo	CHH	-0.0599
Gm16	35136034	35137025	Gmdrm	hypo	CHH	-0.0884
Gm16	35137044	35137514	Gmdrm	hypo	CHH	-0.0703
Gm16	35138076	35139074	Gmdrm	hypo	CHH	-0.0167
Gm16	35142477	35142781	Gmdrm	hypo	CHH	-0.0456
Gm16	35155170	35156070	Gmdrm	hypo	CHH	-0.0255
Gm16	35157718	35158460	Gmdrm	hypo	CHH	-0.0448
Gm16	35158581	35159576	Gmdrm	hypo	CHH	-0.0425
Gm16	35169885	35170877	Gmdrm	hypo	CHH	-0.0133
Gm16	35170889	35171887	Gmdrm	hypo	CHH	-0.024
Gm16	35171892	35172889	Gmdrm	hypo	CHH	-0.014
Gm16	35172896	35173891	Gmdrm	hypo	CHH	-0.021
Gm16	35177023	35178014	Gmdrm	hypo	CHH	-0.0377
Gm16	35178026	35179013	Gmdrm	hypo	CHH	-0.0285
Gm16	35180063	35181050	Gmdrm	hypo	CHH	-0.0815
Gm16	35184794	35185117	Gmdrm	hypo	CHH	-0.051
Gm16	35194468	35195426	Gmdrm	hypo	CHH	-0.0543
Gm16	35195474	35196438	Gmdrm	hypo	CHH	-0.0997
Gm16	35196483	35197480	Gmdrm	hypo	CHH	-0.0502
Gm16	35197485	35197901	Gmdrm	hypo	CHH	-0.1261
Gm16	35199958	35200072	Gmdrm	hypo	CHH	-0.0746
Gm16	35201958	35202952	Gmdrm	hypo	CHH	-0.0977
Gm16	35202970	35203937	Gmdrm	hypo	CHH	-0.1027
Gm16	35203994	35204986	Gmdrm	hypo	CHH	-0.0343
Gm16	35205000	35205999	Gmdrm	hypo	CHH	-0.0723
Gm16	35207035	35208035	Gmdrm	hypo	CHH	-0.0235
Gm16	35208036	35209022	Gmdrm	hypo	CHH	-0.0253
Gm16	35211303	35212295	Gmdrm	hypo	CHH	-0.0847
Gm16	35212318	35213310	Gmdrm	hypo	CHH	-0.0703
Gm16	35216556	35217555	Gmdrm	hypo	CHH	-0.0132
Gm16	35217557	35218527	Gmdrm	hypo	CHH	-0.011
Gm16	35219573	35220484	Gmdrm	hypo	CHH	-0.0456
Gm16	35220583	35221580	Gmdrm	hypo	CHH	-0.0284
Gm16	35226491	35226763	Gmdrm	hypo	CHH	-0.025
Gm16	35241783	35242782	Gmdrm	hypo	CHH	-0.0354
Gm16	35243653	35244650	Gmdrm	hypo	CHH	-0.0356
Gm16	35244656	35245648	Gmdrm	hypo	CHH	-0.0272

Gm16	35251472	35252461	Gmdrm	hypo	CHH	-0.0142
Gm16	35257212	35257673	Gmdrm	hypo	CHH	-0.0217
Gm16	35262716	35263165	Gmdrm	hypo	CHH	-0.1114
Gm16	35264170	35265125	Gmdrm	hypo	CHH	-0.0448
Gm16	35265182	35265520	Gmdrm	hypo	CHH	-0.1054
Gm16	35265901	35266870	Gmdrm	hypo	CHH	-0.0551
Gm16	35267920	35268889	Gmdrm	hypo	CHH	-0.1245
Gm16	35270913	35271679	Gmdrm	hypo	CHH	-0.0471
Gm16	35271782	35272764	Gmdrm	hypo	CHH	-0.0509
Gm16	35273071	35273880	Gmdrm	hypo	CHH	-0.0206
Gm16	35275508	35275613	Gmdrm	hypo	CHH	-0.1311
Gm16	35283475	35284250	Gmdrm	hypo	CHH	-0.0657
Gm16	35294417	35295404	Gmdrm	hypo	CHH	-0.0362
Gm16	35295420	35296415	Gmdrm	hypo	CHH	-0.0366
Gm16	35296423	35297422	Gmdrm	hypo	CHH	-0.0649
Gm16	35297449	35298447	Gmdrm	hypo	CHH	-0.0243
Gm16	35298455	35298753	Gmdrm	hypo	CHH	-0.1432
Gm16	35304921	35305920	Gmdrm	hypo	CHH	-0.0208
Gm16	35307205	35308098	Gmdrm	hypo	CHH	-0.0175
Gm16	35334270	35334808	Gmdrm	hypo	CHH	-0.1148
Gm16	35353490	35354467	Gmdrm	hypo	CHH	-0.0253
Gm16	35354502	35355501	Gmdrm	hypo	CHH	-0.0231
Gm16	35355514	35356502	Gmdrm	hypo	CHH	-0.0278
Gm16	35356528	35357522	Gmdrm	hypo	CHH	-0.0174
Gm16	35364115	35365089	Gmdrm	hypo	CHH	-0.0186
Gm16	35370478	35371121	Gmdrm	hypo	CHH	-0.0547
Gm16	35371234	35372229	Gmdrm	hypo	CHH	-0.0398
Gm16	35377761	35378745	Gmdrm	hypo	CHH	-0.0193
Gm16	35397241	35398241	Gmdrm	hypo	CHH	-0.0109
Gm16	35402392	35403376	Gmdrm	hypo	CHH	-0.0127
Gm16	35408959	35409937	Gmdrm	hypo	CHH	-0.0116
Gm16	35415577	35416561	Gmdrm	hypo	CHH	-0.0142
Gm16	35424067	35425066	Gmdrm	hypo	CHH	-0.0562
Gm16	35425086	35426047	Gmdrm	hypo	CHH	-0.0215
Gm16	35449901	35450880	Gmdrm	hypo	CHH	-0.0208
Gm16	35454626	35455611	Gmdrm	hypo	CHH	-0.0404
Gm16	35455684	35456684	Gmdrm	hypo	CHH	-0.0768
Gm16	35457138	35458136	Gmdrm	hypo	CHH	-0.0625
Gm16	35458147	35459029	Gmdrm	hypo	CHH	-0.0688
Gm16	35459140	35460138	Gmdrm	hypo	CHH	-0.1441
Gm16	35460145	35461141	Gmdrm	hypo	CHH	-0.0652
Gm16	35461148	35462135	Gmdrm	hypo	CHH	-0.0507
Gm16	35462164	35463124	Gmdrm	hypo	CHH	-0.0249
Gm16	35472658	35472832	Gmdrm	hypo	CHH	-0.0455
Gm16	35472938	35473916	Gmdrm	hypo	CHH	-0.0483
Gm16	35481548	35482541	Gmdrm	hypo	CHH	-0.0941

Gm16	35482550	35483113	Gmdrm	hypo	CHH	-0.0719
Gm16	35483820	35483946	Gmdrm	hypo	CHH	-0.1683
Gm16	35484242	35485231	Gmdrm	hypo	CHH	-0.0391
Gm16	35486284	35487282	Gmdrm	hypo	CHH	-0.0116
Gm16	35487297	35488296	Gmdrm	hypo	CHH	-0.0168
Gm16	35488299	35488408	Gmdrm	hypo	CHH	-0.0826
Gm16	35488708	35489570	Gmdrm	hypo	CHH	-0.0747
Gm16	35496928	35497904	Gmdrm	hypo	CHH	-0.0311
Gm16	35497939	35498916	Gmdrm	hypo	CHH	-0.0228
Gm16	35500003	35501003	Gmdrm	hypo	CHH	-0.0453
Gm16	35501006	35501519	Gmdrm	hypo	CHH	-0.0875
Gm16	35501692	35502301	Gmdrm	hypo	CHH	-0.0716
Gm16	35503619	35504602	Gmdrm	hypo	CHH	-0.0687
Gm16	35505637	35506637	Gmdrm	hypo	CHH	-0.0131
Gm16	35507873	35508865	Gmdrm	hypo	CHH	-0.0082
Gm16	35509884	35510882	Gmdrm	hypo	CHH	-0.0311
Gm16	35510900	35511892	Gmdrm	hypo	CHH	-0.0662
Gm16	35511907	35512906	Gmdrm	hypo	CHH	-0.0624
Gm16	35512917	35513916	Gmdrm	hypo	CHH	-0.0421
Gm16	35513921	35514919	Gmdrm	hypo	CHH	-0.0119
Gm16	35514937	35515935	Gmdrm	hypo	CHH	-0.0499
Gm16	35515938	35516937	Gmdrm	hypo	CHH	-0.0806
Gm16	35516940	35517940	Gmdrm	hypo	CHH	-0.0801
Gm16	35517948	35518943	Gmdrm	hypo	CHH	-0.0712
Gm16	35518953	35519491	Gmdrm	hypo	CHH	-0.0613
Gm16	35520629	35521613	Gmdrm	hypo	CHH	-0.0067
Gm16	35522676	35523673	Gmdrm	hypo	CHH	-0.0139
Gm16	35524694	35525687	Gmdrm	hypo	CHH	-0.0138
Gm16	35526450	35527448	Gmdrm	hypo	CHH	-0.0543
Gm16	35527456	35528456	Gmdrm	hypo	CHH	-0.0183
Gm16	35528463	35529460	Gmdrm	hypo	CHH	-0.0091
Gm16	35543762	35544745	Gmdrm	hypo	CHH	-0.1182
Gm16	35546254	35547251	Gmdrm	hypo	CHH	-0.0399
Gm16	35547259	35548259	Gmdrm	hypo	CHH	-0.0542
Gm16	35548261	35549244	Gmdrm	hypo	CHH	-0.0378
Gm16	35549267	35550263	Gmdrm	hypo	CHH	-0.039
Gm16	35550268	35551266	Gmdrm	hypo	CHH	-0.0252
Gm16	35551274	35552273	Gmdrm	hypo	CHH	-0.0177
Gm16	35552275	35553261	Gmdrm	hypo	CHH	-0.01
Gm16	35553297	35554295	Gmdrm	hypo	CHH	-0.0287
Gm16	35554298	35555278	Gmdrm	hypo	CHH	-0.0068
Gm16	35555302	35556296	Gmdrm	hypo	CHH	-0.0235
Gm16	35556304	35557303	Gmdrm	hypo	CHH	-0.0587
Gm16	35557308	35558287	Gmdrm	hypo	CHH	-0.0511
Gm16	35558310	35559292	Gmdrm	hypo	CHH	-0.0477
Gm16	35559339	35560331	Gmdrm	hypo	CHH	-0.0172

Gm16	35584380	35585185 Gmdrm	hypo	CHH	-0.1107
Gm16	35585288	35585938 Gmdrm	hypo	CHH	-0.0238
Gm16	35586336	35587326 Gmdrm	hypo	CHH	-0.0802
Gm16	35587344	35588336 Gmdrm	hypo	CHH	-0.0825
Gm16	35588346	35589343 Gmdrm	hypo	CHH	-0.0696
Gm16	35589348	35590310 Gmdrm	hypo	CHH	-0.047
Gm16	35594490	35595490 Gmdrm	hypo	CHH	-0.0128
Gm16	35599514	35600514 Gmdrm	hypo	CHH	-0.03
Gm16	35601689	35602133 Gmdrm	hypo	CHH	-0.0605
Gm16	35602928	35603917 Gmdrm	hypo	CHH	-0.0268
Gm16	35603973	35604963 Gmdrm	hypo	CHH	-0.0423
Gm16	35604978	35605957 Gmdrm	hypo	CHH	-0.0204
Gm16	35606988	35607988 Gmdrm	hypo	CHH	-0.0598
Gm16	35607992	35608988 Gmdrm	hypo	CHH	-0.0502
Gm16	35609005	35609997 Gmdrm	hypo	CHH	-0.0638
Gm16	35610006	35611001 Gmdrm	hypo	CHH	-0.0254
Gm16	35611014	35612013 Gmdrm	hypo	CHH	-0.0561
Gm16	35612019	35613000 Gmdrm	hypo	CHH	-0.0127
Gm16	35617543	35618540 Gmdrm	hypo	CHH	-0.0218
Gm16	35623127	35624127 Gmdrm	hypo	CHH	-0.008
Gm16	35624128	35625127 Gmdrm	hypo	CHH	-0.0167
Gm16	35625133	35626114 Gmdrm	hypo	CHH	-0.0253
Gm16	35626145	35627143 Gmdrm	hypo	CHH	-0.0699
Gm16	35627163	35628157 Gmdrm	hypo	CHH	-0.0085
Gm16	35628168	35629158 Gmdrm	hypo	CHH	-0.0247
Gm16	35629173	35630169 Gmdrm	hypo	CHH	-0.0449
Gm16	35630175	35630459 Gmdrm	hypo	CHH	-0.0584
Gm16	35630609	35631604 Gmdrm	hypo	CHH	-0.0317
Gm16	35632612	35633607 Gmdrm	hypo	CHH	-0.0169
Gm16	35641651	35642650 Gmdrm	hypo	CHH	-0.0274
Gm16	35642652	35643639 Gmdrm	hypo	CHH	-0.0165
Gm16	35643654	35644648 Gmdrm	hypo	CHH	-0.0444
Gm16	35645291	35646288 Gmdrm	hypo	CHH	-0.0486
Gm16	35649060	35649902 Gmdrm	hypo	CHH	-0.0703
Gm16	35650203	35651198 Gmdrm	hypo	CHH	-0.0523
Gm16	35651208	35651474 Gmdrm	hypo	CHH	-0.059
Gm16	35653741	35654741 Gmdrm	hypo	CHH	-0.0202
Gm16	35655761	35656750 Gmdrm	hypo	CHH	-0.0121
Gm16	35657774	35658774 Gmdrm	hypo	CHH	-0.008
Gm16	35659795	35660780 Gmdrm	hypo	CHH	-0.0149
Gm16	35660800	35661800 Gmdrm	hypo	CHH	-0.0412
Gm16	35661801	35662799 Gmdrm	hypo	CHH	-0.0822
Gm16	35662802	35663782 Gmdrm	hypo	CHH	-0.0705
Gm16	35663814	35664814 Gmdrm	hypo	CHH	-0.0597
Gm16	35664817	35665812 Gmdrm	hypo	CHH	-0.0146
Gm16	35665818	35666818 Gmdrm	hypo	CHH	-0.0092

Gm16	35667861	35668858	Gmdrm	hypo	CHH	-0.0156
Gm16	35668862	35669859	Gmdrm	hypo	CHH	-0.024
Gm16	35674926	35675917	Gmdrm	hypo	CHH	-0.0129
Gm16	35682375	35683372	Gmdrm	hypo	CHH	-0.0476
Gm16	35683378	35684378	Gmdrm	hypo	CHH	-0.029
Gm16	35684400	35685350	Gmdrm	hypo	CHH	-0.025
Gm16	35686157	35687155	Gmdrm	hypo	CHH	-0.0304
Gm16	35687169	35688159	Gmdrm	hypo	CHH	-0.009
Gm16	35688171	35689168	Gmdrm	hypo	CHH	-0.0504
Gm16	35689173	35690170	Gmdrm	hypo	CHH	-0.0699
Gm16	35695448	35696441	Gmdrm	hypo	CHH	-0.0168
Gm16	35696480	35696700	Gmdrm	hypo	CHH	-0.0352
Gm16	35701469	35701577	Gmdrm	hypo	CHH	-0.0311
Gm16	35701905	35702881	Gmdrm	hypo	CHH	-0.0533
Gm16	35702913	35703906	Gmdrm	hypo	CHH	-0.0206
Gm16	35703919	35704908	Gmdrm	hypo	CHH	-0.0355
Gm16	35704922	35705917	Gmdrm	hypo	CHH	-0.0175
Gm16	35710173	35711173	Gmdrm	hypo	CHH	-0.0649
Gm16	35711175	35711783	Gmdrm	hypo	CHH	-0.0793
Gm16	35711960	35712596	Gmdrm	hypo	CHH	-0.1327
Gm16	35712896	35713891	Gmdrm	hypo	CHH	-0.0224
Gm16	35714908	35715900	Gmdrm	hypo	CHH	-0.052
Gm16	35716922	35717826	Gmdrm	hypo	CHH	-0.0151
Gm16	35718222	35719220	Gmdrm	hypo	CHH	-0.0727
Gm16	35719236	35720236	Gmdrm	hypo	CHH	-0.0235
Gm16	35720241	35721237	Gmdrm	hypo	CHH	-0.0068
Gm16	35728323	35729320	Gmdrm	hypo	CHH	-0.0182
Gm16	35729365	35729800	Gmdrm	hypo	CHH	-0.0254
Gm16	35731124	35732106	Gmdrm	hypo	CHH	-0.0533
Gm16	35732571	35733126	Gmdrm	hypo	CHH	-0.104
Gm16	35734410	35735409	Gmdrm	hypo	CHH	-0.036
Gm16	35739640	35740634	Gmdrm	hypo	CHH	-0.0158
Gm16	35740647	35741642	Gmdrm	hypo	CHH	-0.0449
Gm16	35741650	35742636	Gmdrm	hypo	CHH	-0.0232
Gm16	35742656	35743621	Gmdrm	hypo	CHH	-0.0478
Gm16	35743670	35744661	Gmdrm	hypo	CHH	-0.0192
Gm16	35747761	35748724	Gmdrm	hypo	CHH	-0.0143
Gm16	35748762	35749762	Gmdrm	hypo	CHH	-0.0719
Gm16	35749763	35750762	Gmdrm	hypo	CHH	-0.0585
Gm16	35750764	35751404	Gmdrm	hypo	CHH	-0.0726
Gm16	35751505	35752482	Gmdrm	hypo	CHH	-0.0687
Gm16	35752536	35753532	Gmdrm	hypo	CHH	-0.016
Gm16	35753581	35754539	Gmdrm	hypo	CHH	-0.009
Gm16	35763782	35764781	Gmdrm	hypo	CHH	-0.0212
Gm16	35764785	35765754	Gmdrm	hypo	CHH	-0.0363
Gm16	35765789	35766774	Gmdrm	hypo	CHH	-0.0209

Gm16	35766793	35767790	Gmdrm	hypo	CHH	-0.0123
Gm16	35767794	35768789	Gmdrm	hypo	CHH	-0.0123
Gm16	35768797	35769786	Gmdrm	hypo	CHH	-0.0234
Gm16	35770822	35771820	Gmdrm	hypo	CHH	-0.0777
Gm16	35771831	35772829	Gmdrm	hypo	CHH	-0.0994
Gm16	35772835	35773831	Gmdrm	hypo	CHH	-0.0672
Gm16	35773843	35774473	Gmdrm	hypo	CHH	-0.0502
Gm16	35785879	35786857	Gmdrm	hypo	CHH	-0.0163
Gm16	35786881	35787874	Gmdrm	hypo	CHH	-0.012
Gm16	35787884	35788876	Gmdrm	hypo	CHH	-0.0102
Gm16	35789892	35790885	Gmdrm	hypo	CHH	-0.1491
Gm16	35790893	35791888	Gmdrm	hypo	CHH	-0.0127
Gm16	35791899	35792894	Gmdrm	hypo	CHH	-0.0352
Gm16	35792901	35793886	Gmdrm	hypo	CHH	-0.0769
Gm16	35793905	35794902	Gmdrm	hypo	CHH	-0.0599
Gm16	35794914	35795910	Gmdrm	hypo	CHH	-0.0545
Gm16	35795921	35796911	Gmdrm	hypo	CHH	-0.0319
Gm16	35799820	35800814	Gmdrm	hypo	CHH	-0.0465
Gm16	35809311	35810311	Gmdrm	hypo	CHH	-0.0227
Gm16	35811317	35812295	Gmdrm	hypo	CHH	-0.0155
Gm16	35813325	35814032	Gmdrm	hypo	CHH	-0.0335
Gm16	35814134	35814277	Gmdrm	hypo	CHH	-0.188
Gm16	35814477	35815450	Gmdrm	hypo	CHH	-0.0859
Gm16	35815638	35816637	Gmdrm	hypo	CHH	-0.0678
Gm16	35816653	35817652	Gmdrm	hypo	CHH	-0.0612
Gm16	35817654	35818644	Gmdrm	hypo	CHH	-0.01
Gm16	35818656	35818800	Gmdrm	hypo	CHH	-0.0455
Gm16	35824732	35825723	Gmdrm	hypo	CHH	-0.0082
Gm16	35826775	35827767	Gmdrm	hypo	CHH	-0.0329
Gm16	35832844	35833838	Gmdrm	hypo	CHH	-0.0379
Gm16	35833846	35834823	Gmdrm	hypo	CHH	-0.0621
Gm16	35834858	35835192	Gmdrm	hypo	CHH	-0.1746
Gm16	35835488	35836487	Gmdrm	hypo	CHH	-0.0968
Gm16	35836489	35836842	Gmdrm	hypo	CHH	-0.0491
Gm16	35836980	35837966	Gmdrm	hypo	CHH	-0.0655
Gm16	35838996	35839669	Gmdrm	hypo	CHH	-0.0251
Gm16	35848503	35849486	Gmdrm	hypo	CHH	-0.0819
Gm16	35858416	35859409	Gmdrm	hypo	CHH	-0.0125
Gm16	35859437	35860435	Gmdrm	hypo	CHH	-0.0172
Gm16	35860440	35861432	Gmdrm	hypo	CHH	-0.0239
Gm16	35870229	35871228	Gmdrm	hypo	CHH	-0.0516
Gm16	35872572	35872706	Gmdrm	hypo	CHH	-0.049
Gm16	35888365	35888690	Gmdrm	hypo	CHH	-0.0231
Gm16	35889555	35889785	Gmdrm	hypo	CHH	-0.08
Gm16	35899826	35900362	Gmdrm	hypo	CHH	-0.0255
Gm16	35900900	35901892	Gmdrm	hypo	CHH	-0.103

Gm16	35901915	35902911	Gmdrm	hypo	CHH	-0.0699
Gm16	35928012	35928568	Gmdrm	hypo	CHH	-0.2537
Gm16	35928678	35929672	Gmdrm	hypo	CHH	-0.0545
Gm16	35934754	35935324	Gmdrm	hypo	CHH	-0.0274
Gm16	35937513	35937906	Gmdrm	hypo	CHH	-0.0488
Gm16	35941384	35942360	Gmdrm	hypo	CHH	-0.0449
Gm16	35943409	35944382	Gmdrm	hypo	CHH	-0.0466
Gm16	35953242	35953804	Gmdrm	hypo	CHH	-0.0566
Gm16	35968869	35969849	Gmdrm	hypo	CHH	-0.1576
Gm16	35969876	35970863	Gmdrm	hypo	CHH	-0.0633
Gm16	35971920	35972897	Gmdrm	hypo	CHH	-0.3117
Gm16	35977675	35978666	Gmdrm	hypo	CHH	-0.0392
Gm16	35983800	35984800	Gmdrm	hypo	CHH	-0.0148
Gm16	35990004	35990992	Gmdrm	hypo	CHH	-0.0161
Gm16	35997324	35998297	Gmdrm	hypo	CHH	-0.0159
Gm16	36020803	36021798	Gmdrm	hypo	CHH	-0.0115
Gm16	36022858	36023858	Gmdrm	hypo	CHH	-0.0203
Gm16	36023862	36024847	Gmdrm	hypo	CHH	-0.0988
Gm16	36028472	36029466	Gmdrm	hypo	CHH	-0.1124
Gm16	36074311	36075282	Gmdrm	hypo	CHH	-0.2922
Gm16	36076335	36076679	Gmdrm	hypo	CHH	-0.0236
Gm16	36084541	36085536	Gmdrm	hypo	CHH	-0.1059
Gm16	36086553	36087537	Gmdrm	hypo	CHH	-0.0152
Gm16	36089633	36090624	Gmdrm	hypo	CHH	-0.0376
Gm16	36090645	36091630	Gmdrm	hypo	CHH	-0.0339
Gm16	36105807	36106774	Gmdrm	hypo	CHH	-0.0206
Gm16	36107811	36108792	Gmdrm	hypo	CHH	-0.0114
Gm16	36109057	36110023	Gmdrm	hypo	CHH	-0.0202
Gm16	36126862	36127861	Gmdrm	hypo	CHH	-0.0117
Gm16	36132871	36133855	Gmdrm	hypo	CHH	-0.0361
Gm16	36141713	36142242	Gmdrm	hypo	CHH	-0.0316
Gm16	36142939	36143843	Gmdrm	hypo	CHH	-0.0189
Gm16	36144834	36145770	Gmdrm	hypo	CHH	-0.149
Gm16	36146851	36147817	Gmdrm	hypo	CHH	-0.0222
Gm16	36158021	36159012	Gmdrm	hypo	CHH	-0.029
Gm16	36173549	36174403	Gmdrm	hypo	CHH	-0.0537
Gm16	36179335	36180335	Gmdrm	hypo	CHH	-0.0144
Gm16	36180336	36180555	Gmdrm	hypo	CHH	-0.0368
Gm16	36181046	36181655	Gmdrm	hypo	CHH	-0.05
Gm16	36188967	36189964	Gmdrm	hypo	CHH	-0.0901
Gm16	36191197	36192190	Gmdrm	hypo	CHH	-0.0123
Gm16	36205401	36206391	Gmdrm	hypo	CHH	-0.0181
Gm16	36210613	36211593	Gmdrm	hypo	CHH	-0.0251
Gm16	36214317	36215223	Gmdrm	hypo	CHH	-0.0198
Gm16	36221269	36222265	Gmdrm	hypo	CHH	-0.0859
Gm16	36222298	36223290	Gmdrm	hypo	CHH	-0.0969

Gm16	36233161	36234141 Gmdrm	hypo	CHH	-0.0196
Gm16	36237259	36237476 Gmdrm	hypo	CHH	-0.0289
Gm16	36250796	36251792 Gmdrm	hypo	CHH	-0.0366
Gm16	36251797	36252791 Gmdrm	hypo	CHH	-0.0567
Gm16	36255975	36256171 Gmdrm	hypo	CHH	-0.0516
Gm16	36266000	36266992 Gmdrm	hypo	CHH	-0.0533
Gm16	36270010	36271008 Gmdrm	hypo	CHH	-0.1377
Gm16	36271011	36271908 Gmdrm	hypo	CHH	-0.3394
Gm16	36285271	36286271 Gmdrm	hypo	CHH	-0.1481
Gm16	36298290	36299269 Gmdrm	hypo	CHH	-0.0273
Gm16	36302342	36303341 Gmdrm	hypo	CHH	-0.0314
Gm16	36303343	36304338 Gmdrm	hypo	CHH	-0.1222
Gm16	36316838	36317828 Gmdrm	hypo	CHH	-0.2084
Gm16	36323372	36324366 Gmdrm	hypo	CHH	-0.0183
Gm16	36324373	36325257 Gmdrm	hypo	CHH	-0.0485
Gm16	36327551	36328530 Gmdrm	hypo	CHH	-0.0229
Gm16	36335601	36336594 Gmdrm	hypo	CHH	-0.0976
Gm16	36365512	36366473 Gmdrm	hypo	CHH	-0.0121
Gm16	36371316	36372316 Gmdrm	hypo	CHH	-0.0844
Gm16	36372325	36373317 Gmdrm	hypo	CHH	-0.0095
Gm16	36375400	36376397 Gmdrm	hypo	CHH	-0.0322
Gm16	36376409	36377394 Gmdrm	hypo	CHH	-0.0618
Gm16	36377419	36378219 Gmdrm	hypo	CHH	-0.0173
Gm16	36406158	36407158 Gmdrm	hypo	CHH	-0.0588
Gm16	36417580	36418580 Gmdrm	hypo	CHH	-0.026
Gm16	36421572	36422563 Gmdrm	hypo	CHH	-0.0131
Gm16	36433439	36434438 Gmdrm	hypo	CHH	-0.1187
Gm16	36434461	36435453 Gmdrm	hypo	CHH	-0.1335
Gm16	36439543	36440540 Gmdrm	hypo	CHH	-0.0688
Gm16	36440545	36441542 Gmdrm	hypo	CHH	-0.0356
Gm16	36442592	36443552 Gmdrm	hypo	CHH	-0.0244
Gm16	36443974	36444969 Gmdrm	hypo	CHH	-0.0178
Gm16	36451765	36451871 Gmdrm	hypo	CHH	-0.068
Gm16	36477125	36478116 Gmdrm	hypo	CHH	-0.0256
Gm16	36478127	36479120 Gmdrm	hypo	CHH	-0.0304
Gm16	36480173	36481166 Gmdrm	hypo	CHH	-0.0232
Gm16	36481207	36482192 Gmdrm	hypo	CHH	-0.0247
Gm16	36514144	36515144 Gmdrm	hypo	CHH	-0.0244
Gm16	36534469	36535468 Gmdrm	hypo	CHH	-0.3266
Gm16	36536505	36537502 Gmdrm	hypo	CHH	-0.0093
Gm16	36541764	36542763 Gmdrm	hypo	CHH	-0.0205
Gm16	36543787	36544155 Gmdrm	hypo	CHH	-0.0304
Gm16	36553987	36554987 Gmdrm	hypo	CHH	-0.0641
Gm16	36554990	36555988 Gmdrm	hypo	CHH	-0.0948
Gm16	36559374	36560230 Gmdrm	hypo	CHH	-0.023
Gm16	36568212	36569206 Gmdrm	hypo	CHH	-0.0529

Gm16	36569219	36570149	Gmdrm	hypo	CHH	-0.0677
Gm16	36570255	36570477	Gmdrm	hypo	CHH	-0.0444
Gm16	36570578	36571318	Gmdrm	hypo	CHH	-0.048
Gm16	36575016	36576014	Gmdrm	hypo	CHH	-0.0298
Gm16	36582957	36583945	Gmdrm	hypo	CHH	-0.0161
Gm16	36587525	36588514	Gmdrm	hypo	CHH	-0.0122
Gm16	36589191	36590188	Gmdrm	hypo	CHH	-0.0432
Gm16	36590195	36591181	Gmdrm	hypo	CHH	-0.066
Gm16	36594988	36595981	Gmdrm	hypo	CHH	-0.0324
Gm16	36597022	36598011	Gmdrm	hypo	CHH	-0.1037
Gm16	36601676	36602668	Gmdrm	hypo	CHH	-0.0233
Gm16	36605532	36606119	Gmdrm	hypo	CHH	-0.0151
Gm16	36608540	36609529	Gmdrm	hypo	CHH	-0.0217
Gm16	36611584	36612260	Gmdrm	hypo	CHH	-0.2621
Gm16	36615437	36615610	Gmdrm	hypo	CHH	-0.075
Gm16	36628115	36629075	Gmdrm	hypo	CHH	-0.0153
Gm16	36648104	36648980	Gmdrm	hypo	CHH	-0.0156
Gm16	36649447	36650441	Gmdrm	hypo	CHH	-0.0152
Gm16	36651523	36652523	Gmdrm	hypo	CHH	-0.0869
Gm16	36657621	36658616	Gmdrm	hypo	CHH	-0.0188
Gm16	36661929	36662921	Gmdrm	hypo	CHH	-0.0422
Gm16	36698337	36698589	Gmdrm	hypo	CHH	-0.0391
Gm16	36731352	36731685	Gmdrm	hypo	CHH	-0.0241
Gm16	36733229	36734229	Gmdrm	hypo	CHH	-0.015
Gm16	36737792	36738362	Gmdrm	hypo	CHH	-0.0403
Gm16	36740037	36741036	Gmdrm	hypo	CHH	-0.0517
Gm16	36741047	36741909	Gmdrm	hypo	CHH	-0.0286
Gm16	36756884	36757878	Gmdrm	hypo	CHH	-0.1368
Gm16	36759891	36760872	Gmdrm	hypo	CHH	-0.0908
Gm16	36762013	36763011	Gmdrm	hypo	CHH	-0.1276
Gm16	36765310	36766307	Gmdrm	hypo	CHH	-0.0272
Gm16	36783027	36784025	Gmdrm	hypo	CHH	-0.0235
Gm16	36784051	36785051	Gmdrm	hypo	CHH	-0.0338
Gm16	36785054	36786007	Gmdrm	hypo	CHH	-0.0719
Gm16	36806601	36807339	Gmdrm	hypo	CHH	-0.0255
Gm16	36807554	36808537	Gmdrm	hypo	CHH	-0.0139
Gm16	36827749	36827815	Gmdrm	hypo	CHH	-0.04
Gm16	36835215	36836167	Gmdrm	hypo	CHH	-0.0223
Gm16	36840405	36841392	Gmdrm	hypo	CHH	-0.0206
Gm16	36844974	36845966	Gmdrm	hypo	CHH	-0.0141
Gm16	36855013	36855978	Gmdrm	hypo	CHH	-0.015
Gm16	36860892	36861127	Gmdrm	hypo	CHH	-0.04
Gm16	36864645	36865643	Gmdrm	hypo	CHH	-0.0693
Gm16	36865648	36866250	Gmdrm	hypo	CHH	-0.1799
Gm16	36877689	36878498	Gmdrm	hypo	CHH	-0.0194
Gm16	36898940	36899926	Gmdrm	hypo	CHH	-0.0362

Gm16	36914322	36915305	Gmdrm	hypo	CHH	-0.0406
Gm16	36915346	36916335	Gmdrm	hypo	CHH	-0.0828
Gm16	36916347	36917346	Gmdrm	hypo	CHH	-0.0339
Gm16	36946333	36947332	Gmdrm	hypo	CHH	-0.0258
Gm16	36947334	36948293	Gmdrm	hypo	CHH	-0.0425
Gm16	36948340	36949339	Gmdrm	hypo	CHH	-0.0694
Gm16	36949355	36950336	Gmdrm	hypo	CHH	-0.0201
Gm16	36954838	36955835	Gmdrm	hypo	CHH	-0.1909
Gm16	36957887	36958520	Gmdrm	hypo	CHH	-0.0237
Gm16	36960578	36961571	Gmdrm	hypo	CHH	-0.0104
Gm16	36962231	36963231	Gmdrm	hypo	CHH	-0.0638
Gm16	36963232	36964210	Gmdrm	hypo	CHH	-0.0252
Gm16	36971773	36972409	Gmdrm	hypo	CHH	-0.0184
Gm16	36985223	36986222	Gmdrm	hypo	CHH	-0.0374
Gm16	36990251	36990671	Gmdrm	hypo	CHH	-0.0428
Gm16	36990783	36991087	Gmdrm	hypo	CHH	-0.0244
Gm16	36995166	36996153	Gmdrm	hypo	CHH	-0.2485
Gm16	37000142	37001137	Gmdrm	hypo	CHH	-0.2066
Gm16	37003544	37004505	Gmdrm	hypo	CHH	-0.1064
Gm16	37014300	37015168	Gmdrm	hypo	CHH	-0.0227
Gm16	37022913	37023865	Gmdrm	hypo	CHH	-0.0158
Gm16	37025777	37026445	Gmdrm	hypo	CHH	-0.026
Gm16	37029532	37030523	Gmdrm	hypo	CHH	-0.0154
Gm16	37043381	37044379	Gmdrm	hypo	CHH	-0.0243
Gm16	37049656	37050238	Gmdrm	hypo	CHH	-0.0347
Gm16	37057496	37057833	Gmdrm	hypo	CHH	-0.02
Gm16	37070186	37071178	Gmdrm	hypo	CHH	-0.0189
Gm16	37072416	37073412	Gmdrm	hypo	CHH	-0.0299
Gm16	37082178	37083178	Gmdrm	hypo	CHH	-0.0193
Gm16	37084250	37084701	Gmdrm	hypo	CHH	-0.0366
Gm16	37086618	37087612	Gmdrm	hypo	CHH	-0.0149
Gm16	37090540	37091536	Gmdrm	hypo	CHH	-0.031
Gm16	37105046	37106026	Gmdrm	hypo	CHH	-0.0151
Gm16	37107436	37108341	Gmdrm	hypo	CHH	-0.0249
Gm16	37125739	37126733	Gmdrm	hypo	CHH	-0.0189
Gm16	37130887	37131799	Gmdrm	hypo	CHH	-0.0234
Gm16	37145254	37146238	Gmdrm	hypo	CHH	-0.0269
Gm16	37153193	37154181	Gmdrm	hypo	CHH	-0.0175
Gm16	37161988	37162986	Gmdrm	hypo	CHH	-0.0147
Gm16	37181925	37182907	Gmdrm	hypo	CHH	-0.1141
Gm16	37182929	37183916	Gmdrm	hypo	CHH	-0.1667
Gm16	37185364	37186362	Gmdrm	hypo	CHH	-0.0268
Gm16	37204165	37205165	Gmdrm	hypo	CHH	-0.0296
Gm16	37205188	37206178	Gmdrm	hypo	CHH	-0.0235
Gm16	37216624	37216802	Gmdrm	hypo	CHH	-0.0717
Gm16	37227254	37228246	Gmdrm	hypo	CHH	-0.0321

Gm16	37240651	37241651	Gmdrm	hypo	CHH	-0.0277
Gm16	37242700	37243696	Gmdrm	hypo	CHH	-0.2024
Gm16	37245141	37246141	Gmdrm	hypo	CHH	-0.0301
Gm16	37260954	37261946	Gmdrm	hypo	CHH	-0.0647
Gm16	37290099	37291094	Gmdrm	hypo	CHH	-0.0367
Gm16	37291926	37292926	Gmdrm	hypo	CHH	-0.3431
Gm16	37293906	37294905	Gmdrm	hypo	CHH	-0.4618
Gm16	37316634	37316871	Gmdrm	hypo	CHH	-0.0658
Gm16	37328487	37329471	Gmdrm	hypo	CHH	-0.0257
Gm16	37338020	37339008	Gmdrm	hypo	CHH	-0.0331
Gm16	37356206	37356279	Gmdrm	hypo	CHH	-0.074
Gm16	37365374	37366348	Gmdrm	hypo	CHH	-0.0138
Gm16	37368818	37369808	Gmdrm	hypo	CHH	-0.0284
Gm16	37375607	37376501	Gmdrm	hypo	CHH	-0.014
Gm16	37381545	37382542	Gmdrm	hypo	CHH	-0.0161
Gm16	37382548	37383548	Gmdrm	hypo	CHH	-0.021
Gm16	37389148	37390102	Gmdrm	hypo	CHH	-0.0479
Gm16	37391408	37392369	Gmdrm	hypo	CHH	-0.0181
Gm16	37401909	37402897	Gmdrm	hypo	CHH	-0.042
Gm16	37402911	37403891	Gmdrm	hypo	CHH	-0.0667
Gm16	37405950	37406945	Gmdrm	hypo	CHH	-0.0627
Gm16	37412187	37413180	Gmdrm	hypo	CHH	-0.2012
Gm16	37416699	37417699	Gmdrm	hypo	CHH	-0.0598
Gm16	37426584	37427569	Gmdrm	hypo	CHH	-0.0174
Gm16	37433779	37434777	Gmdrm	hypo	CHH	-0.0174
Gm16	37441224	37441987	Gmdrm	hypo	CHH	-0.0412
Gm16	37444545	37445539	Gmdrm	hypo	CHH	-0.0122
Gm16	37451307	37451571	Gmdrm	hypo	CHH	-0.0466
Gm16	37463173	37464170	Gmdrm	hypo	CHH	-0.0205
Gm16	37497439	37498439	Gmdrm	hypo	CHH	-0.0255
Gm16	37506916	37507884	Gmdrm	hypo	CHH	-0.0348
Gm16	37513201	37513297	Gmdrm	hypo	CHH	-0.1355
Gm16	37515785	37516259	Gmdrm	hypo	CHH	-0.024
Gm16	37525701	37526700	Gmdrm	hypo	CHH	-0.0461
Gm16	37526702	37527664	Gmdrm	hypo	CHH	-0.0258
Gm16	37533552	37534524	Gmdrm	hypo	CHH	-0.0411
Gm16	37563558	37564540	Gmdrm	hypo	CHH	-0.0206
Gm16	37568635	37569621	Gmdrm	hypo	CHH	-0.1972
Gm16	37579204	37579893	Gmdrm	hypo	CHH	-0.0284
Gm16	37589150	37590136	Gmdrm	hypo	CHH	-0.025
Gm16	37601078	37602074	Gmdrm	hypo	CHH	-0.0106
Gm16	37604105	37604728	Gmdrm	hypo	CHH	-0.0332
Gm16	37610528	37611515	Gmdrm	hypo	CHH	-0.0313
Gm16	37620844	37621844	Gmdrm	hypo	CHH	-0.0159
Gm16	37631297	37632294	Gmdrm	hypo	CHH	-0.0332
Gm16	37632332	37633296	Gmdrm	hypo	CHH	-0.0191

Gm16	37634816	37635813	Gmdrm	hypo	CHH	-0.013
Gm16	37652393	37652753	Gmdrm	hypo	CHH	-0.0969
Gm16	37666283	37667254	Gmdrm	hypo	CHH	-0.0233
Gm16	37681006	37681998	Gmdrm	hypo	CHH	-0.0575
Gm16	37699371	37700371	Gmdrm	hypo	CHH	-0.0348
Gm16	37700380	37701380	Gmdrm	hypo	CHH	-0.1105
Gm16	37708170	37709145	Gmdrm	hypo	CHH	-0.02
Gm16	37713263	37714261	Gmdrm	hypo	CHH	-0.0142
Gm16	37716502	37717455	Gmdrm	hypo	CHH	-0.0169
Gm16	37728219	37728922	Gmdrm	hypo	CHH	-0.0282
Gm16	37737676	37738674	Gmdrm	hypo	CHH	-0.0342
Gm16	37738696	37739686	Gmdrm	hypo	CHH	-0.0159
Gm16	37760311	37761294	Gmdrm	hypo	CHH	-0.03
Gm16	37771381	37771626	Gmdrm	hypo	CHH	-0.0236
Gm16	37785279	37786259	Gmdrm	hypo	CHH	-0.0115
Gm16	37788469	37789461	Gmdrm	hypo	CHH	-0.0202
Gm16	37792506	37793500	Gmdrm	hypo	CHH	-0.0173
Gm16	37802091	37802944	Gmdrm	hypo	CHH	-0.024
Gm16	37806944	37807928	Gmdrm	hypo	CHH	-0.0144
Gm16	37827506	37828504	Gmdrm	hypo	CHH	-0.0115
Gm16	37831682	37832677	Gmdrm	hypo	CHH	-0.0098
Gm16	37833693	37833835	Gmdrm	hypo	CHH	-0.08
Gm16	37835174	37836171	Gmdrm	hypo	CHH	-0.0165
Gm16	37847740	37848737	Gmdrm	hypo	CHH	-0.0175
Gm16	37848761	37849707	Gmdrm	hypo	CHH	-0.0245
Gm16	37850794	37851777	Gmdrm	hypo	CHH	-0.0206
Gm16	37851820	37852819	Gmdrm	hypo	CHH	-0.0196
Gm16	37857710	37858709	Gmdrm	hypo	CHH	-0.0207
Gm16	37864207	37865207	Gmdrm	hypo	CHH	-0.0873
Gm16	37865211	37866156	Gmdrm	hypo	CHH	-0.0748
Gm16	37878565	37879017	Gmdrm	hypo	CHH	-0.3553
Gm16	37891230	37892220	Gmdrm	hypo	CHH	-0.022
Gm16	37894275	37895275	Gmdrm	hypo	CHH	-0.0266
Gm16	37896287	37897287	Gmdrm	hypo	CHH	-0.0836
Gm16	37897290	37898284	Gmdrm	hypo	CHH	-0.0703
Gm16	37902700	37903441	Gmdrm	hypo	CHH	-0.0202
Gm16	37909245	37910244	Gmdrm	hypo	CHH	-0.052
Gm16	37910249	37910742	Gmdrm	hypo	CHH	-0.0178
Gm16	37916506	37917504	Gmdrm	hypo	CHH	-0.036
Gm16	37917509	37918275	Gmdrm	hypo	CHH	-0.0623
Gm16	37918391	37919386	Gmdrm	hypo	CHH	-0.0698
Gm16	37919393	37920391	Gmdrm	hypo	CHH	-0.0443
Gm16	37934730	37935723	Gmdrm	hypo	CHH	-0.0747
Gm16	37936739	37937350	Gmdrm	hypo	CHH	-0.0299
Gm16	37937474	37938441	Gmdrm	hypo	CHH	-0.0242
Gm16	37951883	37952876	Gmdrm	hypo	CHH	-0.026

Gm16	37958752	37959752	Gmdrm	hypo	CHH	-0.0655
Gm16	37959765	37960764	Gmdrm	hypo	CHH	-0.0475
Gm16	37960767	37961762	Gmdrm	hypo	CHH	-0.0723
Gm16	37961769	37962744	Gmdrm	hypo	CHH	-0.0345
Gm16	37974277	37974953	Gmdrm	hypo	CHH	-0.0277
Gm16	37987107	37988105	Gmdrm	hypo	CHH	-0.0131
Gm16	37988122	37989121	Gmdrm	hypo	CHH	-0.0126
Gm16	37997189	37998164	Gmdrm	hypo	CHH	-0.0232
Gm16	38005510	38006488	Gmdrm	hypo	CHH	-0.0115
Gm16	38008241	38009241	Gmdrm	hypo	CHH	-0.0914
Gm16	38009247	38010241	Gmdrm	hypo	CHH	-0.0487
Gm16	38010257	38011093	Gmdrm	hypo	CHH	-0.0193
Gm16	38012860	38013852	Gmdrm	hypo	CHH	-0.0592
Gm16	38014865	38015852	Gmdrm	hypo	CHH	-0.0227
Gm16	38020287	38020701	Gmdrm	hypo	CHH	-0.1035
Gm16	38023835	38024835	Gmdrm	hypo	CHH	-0.0207
Gm16	38025798	38026606	Gmdrm	hypo	CHH	-0.0503
Gm16	38035931	38036926	Gmdrm	hypo	CHH	-0.0324
Gm16	38040407	38041396	Gmdrm	hypo	CHH	-0.0231
Gm16	38041408	38042394	Gmdrm	hypo	CHH	-0.0587
Gm16	38042422	38043395	Gmdrm	hypo	CHH	-0.0157
Gm16	38050077	38051060	Gmdrm	hypo	CHH	-0.0672
Gm16	38065420	38066418	Gmdrm	hypo	CHH	-0.0175
Gm16	38071784	38072774	Gmdrm	hypo	CHH	-0.0202
Gm16	38089697	38090695	Gmdrm	hypo	CHH	-0.0258
Gm16	38099481	38100481	Gmdrm	hypo	CHH	-0.0665
Gm16	38100485	38101480	Gmdrm	hypo	CHH	-0.0398
Gm16_scaffo	261	1246	Gmdrm	hypo	CHH	-0.2483
Gm16_scaffo	3170	4133	Gmdrm	hypo	CHH	-0.0287
Gm16_scaffo	4173	5172	Gmdrm	hypo	CHH	-0.0178
Gm16_scaffo	12672	13357	Gmdrm	hypo	CHH	-0.0997
Gm16_scaffo	16945	17922	Gmdrm	hypo	CHH	-0.0542
Gm16_scaffo	17958	18957	Gmdrm	hypo	CHH	-0.0726
Gm16_scaffo	18979	19972	Gmdrm	hypo	CHH	-0.05
Gm16_scaffo	19980	20139	Gmdrm	hypo	CHH	-0.0778
Gm16_scaffo	564	1559	Gmdrm	hypo	CHH	-0.0434
Gm16_scaffo	1571	2558	Gmdrm	hypo	CHH	-0.0237
Gm16_scaffo	2577	3570	Gmdrm	hypo	CHH	-0.0143
Gm16_scaffo	3586	4290	Gmdrm	hypo	CHH	-0.0438
Gm16_scaffo	4391	5152	Gmdrm	hypo	CHH	-0.0253
Gm17	7481	8477	Gmdrm	hypo	CHH	-0.1688
Gm17	8484	9455	Gmdrm	hypo	CHH	-0.0691
Gm17	15470	16470	Gmdrm	hypo	CHH	-0.1214
Gm17	16475	17470	Gmdrm	hypo	CHH	-0.1512
Gm17	18362	18589	Gmdrm	hypo	CHH	-0.0867
Gm17	19764	20752	Gmdrm	hypo	CHH	-0.0234

Gm17	21606	22603 Gmdrm	hypo	CHH	-0.0346
Gm17	24604	25602 Gmdrm	hypo	CHH	-0.0894
Gm17	25613	26584 Gmdrm	hypo	CHH	-0.0571
Gm17	32388	33387 Gmdrm	hypo	CHH	-0.0416
Gm17	33404	34395 Gmdrm	hypo	CHH	-0.103
Gm17	68134	69134 Gmdrm	hypo	CHH	-0.0968
Gm17	69135	69900 Gmdrm	hypo	CHH	-0.1343
Gm17	74486	74771 Gmdrm	hypo	CHH	-0.06
Gm17	79280	80276 Gmdrm	hypo	CHH	-0.0919
Gm17	93208	94201 Gmdrm	hypo	CHH	-0.075
Gm17	102985	103282 Gmdrm	hypo	CHH	-0.1376
Gm17	131722	132719 Gmdrm	hypo	CHH	-0.0849
Gm17	139206	140186 Gmdrm	hypo	CHH	-0.0208
Gm17	159758	160756 Gmdrm	hypo	CHH	-0.0502
Gm17	160783	161781 Gmdrm	hypo	CHH	-0.0461
Gm17	166453	167160 Gmdrm	hypo	CHH	-0.028
Gm17	167267	167621 Gmdrm	hypo	CHH	-0.045
Gm17	181352	182345 Gmdrm	hypo	CHH	-0.0236
Gm17	188343	189287 Gmdrm	hypo	CHH	-0.0306
Gm17	215274	216271 Gmdrm	hypo	CHH	-0.0145
Gm17	216282	217257 Gmdrm	hypo	CHH	-0.0901
Gm17	222444	223419 Gmdrm	hypo	CHH	-0.0206
Gm17	223449	224258 Gmdrm	hypo	CHH	-0.0263
Gm17	229409	230397 Gmdrm	hypo	CHH	-0.0192
Gm17	242730	243414 Gmdrm	hypo	CHH	-0.0741
Gm17	243545	244541 Gmdrm	hypo	CHH	-0.4614
Gm17	246007	247001 Gmdrm	hypo	CHH	-0.0226
Gm17	255627	255814 Gmdrm	hypo	CHH	-0.0711
Gm17	263016	264016 Gmdrm	hypo	CHH	-0.1907
Gm17	266033	267030 Gmdrm	hypo	CHH	-0.1586
Gm17	267034	268010 Gmdrm	hypo	CHH	-0.1525
Gm17	268049	269021 Gmdrm	hypo	CHH	-0.0192
Gm17	273359	274044 Gmdrm	hypo	CHH	-0.0407
Gm17	289075	290070 Gmdrm	hypo	CHH	-0.0577
Gm17	302688	303680 Gmdrm	hypo	CHH	-0.0252
Gm17	304928	305912 Gmdrm	hypo	CHH	-0.079
Gm17	310267	311251 Gmdrm	hypo	CHH	-0.0118
Gm17	322192	323142 Gmdrm	hypo	CHH	-0.0127
Gm17	323202	323956 Gmdrm	hypo	CHH	-0.0133
Gm17	325068	326059 Gmdrm	hypo	CHH	-0.0145
Gm17	327104	328099 Gmdrm	hypo	CHH	-0.3547
Gm17	328106	329082 Gmdrm	hypo	CHH	-0.3077
Gm17	329348	330341 Gmdrm	hypo	CHH	-0.0203
Gm17	330627	331618 Gmdrm	hypo	CHH	-0.0627
Gm17	336316	337309 Gmdrm	hypo	CHH	-0.0155
Gm17	349301	350294 Gmdrm	hypo	CHH	-0.016

Gm17	350306	351302 Gmdrm	hypo	CHH	-0.1804
Gm17	367712	368711 Gmdrm	hypo	CHH	-0.0507
Gm17	368719	369719 Gmdrm	hypo	CHH	-0.1665
Gm17	369722	370520 Gmdrm	hypo	CHH	-0.0696
Gm17	380691	381671 Gmdrm	hypo	CHH	-0.1733
Gm17	389931	390928 Gmdrm	hypo	CHH	-0.0604
Gm17	390938	391932 Gmdrm	hypo	CHH	-0.0739
Gm17	392943	393925 Gmdrm	hypo	CHH	-0.0869
Gm17	394582	395575 Gmdrm	hypo	CHH	-0.0143
Gm17	406346	407188 Gmdrm	hypo	CHH	-0.144
Gm17	407327	408297 Gmdrm	hypo	CHH	-0.0224
Gm17	418517	418773 Gmdrm	hypo	CHH	-0.0478
Gm17	418876	419121 Gmdrm	hypo	CHH	-0.0888
Gm17	421281	422001 Gmdrm	hypo	CHH	-0.265
Gm17	425673	426673 Gmdrm	hypo	CHH	-0.02
Gm17	427679	428669 Gmdrm	hypo	CHH	-0.0504
Gm17	430839	431753 Gmdrm	hypo	CHH	-0.0192
Gm17	441537	442496 Gmdrm	hypo	CHH	-0.0334
Gm17	444183	445161 Gmdrm	hypo	CHH	-0.0248
Gm17	451058	452049 Gmdrm	hypo	CHH	-0.0227
Gm17	456366	457296 Gmdrm	hypo	CHH	-0.0174
Gm17	457630	458604 Gmdrm	hypo	CHH	-0.0382
Gm17	461660	462024 Gmdrm	hypo	CHH	-0.0224
Gm17	486281	487277 Gmdrm	hypo	CHH	-0.0178
Gm17	510763	511405 Gmdrm	hypo	CHH	-0.0339
Gm17	524424	525423 Gmdrm	hypo	CHH	-0.0831
Gm17	525426	526418 Gmdrm	hypo	CHH	-0.0619
Gm17	526431	526971 Gmdrm	hypo	CHH	-0.019
Gm17	529755	530323 Gmdrm	hypo	CHH	-0.0384
Gm17	531800	532799 Gmdrm	hypo	CHH	-0.015
Gm17	533824	534810 Gmdrm	hypo	CHH	-0.0485
Gm17	535842	536842 Gmdrm	hypo	CHH	-0.1568
Gm17	537853	538850 Gmdrm	hypo	CHH	-0.0188
Gm17	550221	551219 Gmdrm	hypo	CHH	-0.1196
Gm17	551225	552067 Gmdrm	hypo	CHH	-0.0319
Gm17	573164	574126 Gmdrm	hypo	CHH	-0.0609
Gm17	577442	578421 Gmdrm	hypo	CHH	-0.0167
Gm17	585919	586341 Gmdrm	hypo	CHH	-0.0481
Gm17	586483	586645 Gmdrm	hypo	CHH	-0.0272
Gm17	587384	587578 Gmdrm	hypo	CHH	-0.1067
Gm17	588704	589703 Gmdrm	hypo	CHH	-0.0147
Gm17	597359	598197 Gmdrm	hypo	CHH	-0.2167
Gm17	599179	600178 Gmdrm	hypo	CHH	-0.0234
Gm17	603622	604614 Gmdrm	hypo	CHH	-0.0678
Gm17	604630	605629 Gmdrm	hypo	CHH	-0.2133
Gm17	613605	614600 Gmdrm	hypo	CHH	-0.018

Gm17	615658	616656 Gmdrm	hypo	CHH	-0.0585
Gm17	626165	626972 Gmdrm	hypo	CHH	-0.0709
Gm17	632009	632992 Gmdrm	hypo	CHH	-0.0415
Gm17	638318	638788 Gmdrm	hypo	CHH	-0.0317
Gm17	641986	642983 Gmdrm	hypo	CHH	-0.0159
Gm17	650757	651720 Gmdrm	hypo	CHH	-0.0268
Gm17	679169	679976 Gmdrm	hypo	CHH	-0.0219
Gm17	680145	681010 Gmdrm	hypo	CHH	-0.1736
Gm17	695270	696108 Gmdrm	hypo	CHH	-0.1727
Gm17	696365	697334 Gmdrm	hypo	CHH	-0.0227
Gm17	706511	706951 Gmdrm	hypo	CHH	-0.0275
Gm17	712728	713721 Gmdrm	hypo	CHH	-0.0137
Gm17	716720	717719 Gmdrm	hypo	CHH	-0.1497
Gm17	717763	718752 Gmdrm	hypo	CHH	-0.0512
Gm17	720342	720748 Gmdrm	hypo	CHH	-0.03
Gm17	729175	730128 Gmdrm	hypo	CHH	-0.0221
Gm17	744728	745723 Gmdrm	hypo	CHH	-0.013
Gm17	751002	751993 Gmdrm	hypo	CHH	-0.1012
Gm17	752010	753004 Gmdrm	hypo	CHH	-0.0875
Gm17	753014	754014 Gmdrm	hypo	CHH	-0.0213
Gm17	759385	760355 Gmdrm	hypo	CHH	-0.0424
Gm17	763895	764886 Gmdrm	hypo	CHH	-0.025
Gm17	771066	772066 Gmdrm	hypo	CHH	-0.0661
Gm17	779332	780315 Gmdrm	hypo	CHH	-0.2194
Gm17	793625	794049 Gmdrm	hypo	CHH	-0.0292
Gm17	797512	798510 Gmdrm	hypo	CHH	-0.1406
Gm17	798514	799044 Gmdrm	hypo	CHH	-0.0954
Gm17	805057	806044 Gmdrm	hypo	CHH	-0.2368
Gm17	809543	810267 Gmdrm	hypo	CHH	-0.0374
Gm17	828349	828460 Gmdrm	hypo	CHH	-0.0614
Gm17	845590	846588 Gmdrm	hypo	CHH	-0.079
Gm17	846595	847591 Gmdrm	hypo	CHH	-0.0414
Gm17	850623	851606 Gmdrm	hypo	CHH	-0.0423
Gm17	852669	853659 Gmdrm	hypo	CHH	-0.0112
Gm17	863762	864759 Gmdrm	hypo	CHH	-0.0722
Gm17	864768	865750 Gmdrm	hypo	CHH	-0.0327
Gm17	876612	877557 Gmdrm	hypo	CHH	-0.0188
Gm17	881663	881730 Gmdrm	hypo	CHH	-0.0533
Gm17	887646	888593 Gmdrm	hypo	CHH	-0.013
Gm17	893807	894761 Gmdrm	hypo	CHH	-0.0366
Gm17	906912	907911 Gmdrm	hypo	CHH	-0.1491
Gm17	907922	908920 Gmdrm	hypo	CHH	-0.0331
Gm17	919593	919855 Gmdrm	hypo	CHH	-0.031
Gm17	919987	920987 Gmdrm	hypo	CHH	-0.0907
Gm17	921996	922979 Gmdrm	hypo	CHH	-0.0617
Gm17	945281	945552 Gmdrm	hypo	CHH	-0.0274

Gm17	959497	960482 Gmdrm	hypo	CHH	-0.1598
Gm17	962447	963441 Gmdrm	hypo	CHH	-0.0723
Gm17	963448	964402 Gmdrm	hypo	CHH	-0.1181
Gm17	966721	966826 Gmdrm	hypo	CHH	-0.114
Gm17	979927	980867 Gmdrm	hypo	CHH	-0.0466
Gm17	987158	988140 Gmdrm	hypo	CHH	-0.0136
Gm17	995192	996192 Gmdrm	hypo	CHH	-0.0211
Gm17	996200	997200 Gmdrm	hypo	CHH	-0.0745
Gm17	997206	998197 Gmdrm	hypo	CHH	-0.1048
Gm17	999223	1000223 Gmdrm	hypo	CHH	-0.0233
Gm17	1024899	1025889 Gmdrm	hypo	CHH	-0.1547
Gm17	1025900	1026891 Gmdrm	hypo	CHH	-0.0159
Gm17	1029005	1029968 Gmdrm	hypo	CHH	-0.0289
Gm17	1034514	1034928 Gmdrm	hypo	CHH	-0.025
Gm17	1045356	1046355 Gmdrm	hypo	CHH	-0.0914
Gm17	1052456	1053448 Gmdrm	hypo	CHH	-0.0718
Gm17	1053467	1054466 Gmdrm	hypo	CHH	-0.0306
Gm17	1061448	1062429 Gmdrm	hypo	CHH	-0.0346
Gm17	1067122	1068095 Gmdrm	hypo	CHH	-0.0219
Gm17	1069141	1070131 Gmdrm	hypo	CHH	-0.0788
Gm17	1082503	1082853 Gmdrm	hypo	CHH	-0.0366
Gm17	1084177	1085171 Gmdrm	hypo	CHH	-0.1739
Gm17	1085197	1086184 Gmdrm	hypo	CHH	-0.0265
Gm17	1088414	1089341 Gmdrm	hypo	CHH	-0.1296
Gm17	1115512	1116355 Gmdrm	hypo	CHH	-0.0164
Gm17	1120337	1121329 Gmdrm	hypo	CHH	-0.0658
Gm17	1121343	1121642 Gmdrm	hypo	CHH	-0.0323
Gm17	1122117	1122834 Gmdrm	hypo	CHH	-0.5865
Gm17	1123288	1124144 Gmdrm	hypo	CHH	-0.0204
Gm17	1133525	1134516 Gmdrm	hypo	CHH	-0.2073
Gm17	1134526	1135506 Gmdrm	hypo	CHH	-0.1986
Gm17	1160545	1161545 Gmdrm	hypo	CHH	-0.0499
Gm17	1161557	1162554 Gmdrm	hypo	CHH	-0.0157
Gm17	1162658	1163658 Gmdrm	hypo	CHH	-0.1167
Gm17	1163665	1164625 Gmdrm	hypo	CHH	-0.0549
Gm17	1165769	1165905 Gmdrm	hypo	CHH	-0.035
Gm17	1166081	1167068 Gmdrm	hypo	CHH	-0.0154
Gm17	1168629	1169610 Gmdrm	hypo	CHH	-0.0912
Gm17	1177453	1178258 Gmdrm	hypo	CHH	-0.04
Gm17	1184314	1185292 Gmdrm	hypo	CHH	-0.0794
Gm17	1185359	1186346 Gmdrm	hypo	CHH	-0.0232
Gm17	1188243	1188447 Gmdrm	hypo	CHH	-0.0256
Gm17	1188554	1189554 Gmdrm	hypo	CHH	-0.1476
Gm17	1189565	1189861 Gmdrm	hypo	CHH	-0.3235
Gm17	1193631	1194165 Gmdrm	hypo	CHH	-0.0276
Gm17	1204829	1205776 Gmdrm	hypo	CHH	-0.0204

Gm17	1215119	1215499 Gmdrm	hypo	CHH	-0.0205
Gm17	1216707	1217707 Gmdrm	hypo	CHH	-0.2567
Gm17	1217720	1218698 Gmdrm	hypo	CHH	-0.0224
Gm17	1222925	1223134 Gmdrm	hypo	CHH	-0.0338
Gm17	1234779	1235766 Gmdrm	hypo	CHH	-0.0397
Gm17	1238369	1239361 Gmdrm	hypo	CHH	-0.1609
Gm17	1239375	1239840 Gmdrm	hypo	CHH	-0.4791
Gm17	1246784	1247752 Gmdrm	hypo	CHH	-0.2011
Gm17	1257402	1257593 Gmdrm	hypo	CHH	-0.0443
Gm17	1265447	1266443 Gmdrm	hypo	CHH	-0.0281
Gm17	1274638	1275635 Gmdrm	hypo	CHH	-0.0478
Gm17	1275640	1276639 Gmdrm	hypo	CHH	-0.0601
Gm17	1276645	1277645 Gmdrm	hypo	CHH	-0.1074
Gm17	1279046	1279961 Gmdrm	hypo	CHH	-0.0417
Gm17	1287738	1288715 Gmdrm	hypo	CHH	-0.0174
Gm17	1294008	1294994 Gmdrm	hypo	CHH	-0.4448
Gm17	1302736	1303630 Gmdrm	hypo	CHH	-0.0214
Gm17	1308127	1309114 Gmdrm	hypo	CHH	-0.0914
Gm17	1311149	1312136 Gmdrm	hypo	CHH	-0.0297
Gm17	1322763	1323734 Gmdrm	hypo	CHH	-0.1312
Gm17	1324852	1325847 Gmdrm	hypo	CHH	-0.2461
Gm17	1325853	1326422 Gmdrm	hypo	CHH	-0.071
Gm17	1326550	1327279 Gmdrm	hypo	CHH	-0.2114
Gm17	1335741	1336655 Gmdrm	hypo	CHH	-0.0274
Gm17	1345551	1346546 Gmdrm	hypo	CHH	-0.0262
Gm17	1350405	1351386 Gmdrm	hypo	CHH	-0.0924
Gm17	1351408	1351690 Gmdrm	hypo	CHH	-0.2197
Gm17	1365846	1366822 Gmdrm	hypo	CHH	-0.0165
Gm17	1373883	1374839 Gmdrm	hypo	CHH	-0.0505
Gm17	1377593	1378591 Gmdrm	hypo	CHH	-0.0258
Gm17	1397015	1398014 Gmdrm	hypo	CHH	-0.0322
Gm17	1398016	1398989 Gmdrm	hypo	CHH	-0.1162
Gm17	1404022	1404534 Gmdrm	hypo	CHH	-0.0494
Gm17	1433273	1434254 Gmdrm	hypo	CHH	-0.1894
Gm17	1434274	1435267 Gmdrm	hypo	CHH	-0.0241
Gm17	1440968	1441962 Gmdrm	hypo	CHH	-0.0326
Gm17	1456427	1457427 Gmdrm	hypo	CHH	-0.0503
Gm17	1457430	1458426 Gmdrm	hypo	CHH	-0.0316
Gm17	1458438	1459206 Gmdrm	hypo	CHH	-0.0251
Gm17	1459997	1460124 Gmdrm	hypo	CHH	-0.12
Gm17	1465172	1466169 Gmdrm	hypo	CHH	-0.0963
Gm17	1466174	1467163 Gmdrm	hypo	CHH	-0.0514
Gm17	1467212	1468170 Gmdrm	hypo	CHH	-0.2735
Gm17	1483134	1484133 Gmdrm	hypo	CHH	-0.0184
Gm17	1484157	1485156 Gmdrm	hypo	CHH	-0.0673
Gm17	1496127	1496252 Gmdrm	hypo	CHH	-0.51

Gm17	1499282	1500270 Gmdrm	hypo	CHH	-0.0901
Gm17	1501298	1502295 Gmdrm	hypo	CHH	-0.0126
Gm17	1515180	1516174 Gmdrm	hypo	CHH	-0.162
Gm17	1516185	1517155 Gmdrm	hypo	CHH	-0.2022
Gm17	1532967	1533182 Gmdrm	hypo	CHH	-0.162
Gm17	1537980	1538971 Gmdrm	hypo	CHH	-0.0894
Gm17	1546042	1547038 Gmdrm	hypo	CHH	-0.0161
Gm17	1550063	1550621 Gmdrm	hypo	CHH	-0.0197
Gm17	1560956	1561944 Gmdrm	hypo	CHH	-0.0171
Gm17	1567938	1568934 Gmdrm	hypo	CHH	-0.0376
Gm17	1568939	1569568 Gmdrm	hypo	CHH	-0.1863
Gm17	1569902	1570881 Gmdrm	hypo	CHH	-0.063
Gm17	1615375	1616371 Gmdrm	hypo	CHH	-0.03
Gm17	1617042	1617136 Gmdrm	hypo	CHH	-0.0933
Gm17	1621718	1622699 Gmdrm	hypo	CHH	-0.0266
Gm17	1627797	1628785 Gmdrm	hypo	CHH	-0.0237
Gm17	1645998	1646123 Gmdrm	hypo	CHH	-0.0462
Gm17	1658995	1659982 Gmdrm	hypo	CHH	-0.0201
Gm17	1670083	1671083 Gmdrm	hypo	CHH	-0.1155
Gm17	1671084	1672075 Gmdrm	hypo	CHH	-0.1141
Gm17	1672085	1672519 Gmdrm	hypo	CHH	-0.1038
Gm17	1686649	1687640 Gmdrm	hypo	CHH	-0.1918
Gm17	1690091	1690335 Gmdrm	hypo	CHH	-0.025
Gm17	1700138	1701127 Gmdrm	hypo	CHH	-0.0633
Gm17	1705194	1706192 Gmdrm	hypo	CHH	-0.0233
Gm17	1706197	1707179 Gmdrm	hypo	CHH	-0.0422
Gm17	1711190	1712163 Gmdrm	hypo	CHH	-0.0182
Gm17	1722791	1723785 Gmdrm	hypo	CHH	-0.0245
Gm17	1738334	1738478 Gmdrm	hypo	CHH	-0.0587
Gm17	1742426	1743412 Gmdrm	hypo	CHH	-0.0636
Gm17	1743428	1744421 Gmdrm	hypo	CHH	-0.1022
Gm17	1745416	1746415 Gmdrm	hypo	CHH	-0.1914
Gm17	1746419	1747390 Gmdrm	hypo	CHH	-0.0748
Gm17	1783165	1784159 Gmdrm	hypo	CHH	-0.0158
Gm17	1830920	1831863 Gmdrm	hypo	CHH	-0.0156
Gm17	1844218	1845194 Gmdrm	hypo	CHH	-0.0181
Gm17	1858492	1859482 Gmdrm	hypo	CHH	-0.0151
Gm17	1870409	1871391 Gmdrm	hypo	CHH	-0.0221
Gm17	1872417	1873375 Gmdrm	hypo	CHH	-0.0162
Gm17	1882122	1883100 Gmdrm	hypo	CHH	-0.0136
Gm17	1884259	1885252 Gmdrm	hypo	CHH	-0.0321
Gm17	1898742	1899732 Gmdrm	hypo	CHH	-0.0262
Gm17	1909382	1910305 Gmdrm	hypo	CHH	-0.0152
Gm17	1917952	1918926 Gmdrm	hypo	CHH	-0.0302
Gm17	1943722	1944713 Gmdrm	hypo	CHH	-0.0141
Gm17	1945781	1946780 Gmdrm	hypo	CHH	-0.0506

Gm17	1946793	1947783	Gmdrm	hypo	CHH	-0.1035
Gm17	1971820	1972785	Gmdrm	hypo	CHH	-0.0212
Gm17	1977434	1977580	Gmdrm	hypo	CHH	-0.0625
Gm17	1987041	1988039	Gmdrm	hypo	CHH	-0.2213
Gm17	1991116	1992076	Gmdrm	hypo	CHH	-0.0175
Gm17	1993984	1994944	Gmdrm	hypo	CHH	-0.0227
Gm17	2000134	2000238	Gmdrm	hypo	CHH	-0.078
Gm17	2015849	2016159	Gmdrm	hypo	CHH	-0.0313
Gm17	2044230	2044300	Gmdrm	hypo	CHH	-0.056
Gm17	2046166	2047162	Gmdrm	hypo	CHH	-0.0309
Gm17	2047167	2047349	Gmdrm	hypo	CHH	-0.091
Gm17	2051002	2051997	Gmdrm	hypo	CHH	-0.0582
Gm17	2055590	2055848	Gmdrm	hypo	CHH	-0.1231
Gm17	2056336	2057335	Gmdrm	hypo	CHH	-0.1058
Gm17	2070047	2071023	Gmdrm	hypo	CHH	-0.0187
Gm17	2073145	2073805	Gmdrm	hypo	CHH	-0.0308
Gm17	2081649	2082638	Gmdrm	hypo	CHH	-0.036
Gm17	2082651	2083641	Gmdrm	hypo	CHH	-0.2946
Gm17	2095559	2096544	Gmdrm	hypo	CHH	-0.0945
Gm17	2106649	2107645	Gmdrm	hypo	CHH	-0.0198
Gm17	2107683	2108676	Gmdrm	hypo	CHH	-0.0301
Gm17	2111228	2112191	Gmdrm	hypo	CHH	-0.3866
Gm17	2112304	2113302	Gmdrm	hypo	CHH	-0.0295
Gm17	2146505	2147039	Gmdrm	hypo	CHH	-0.047
Gm17	2152796	2153793	Gmdrm	hypo	CHH	-0.0926
Gm17	2157081	2158079	Gmdrm	hypo	CHH	-0.0171
Gm17	2167607	2168590	Gmdrm	hypo	CHH	-0.0412
Gm17	2179174	2179605	Gmdrm	hypo	CHH	-0.0373
Gm17	2179715	2180661	Gmdrm	hypo	CHH	-0.4759
Gm17	2181807	2182725	Gmdrm	hypo	CHH	-0.3325
Gm17	2187008	2187929	Gmdrm	hypo	CHH	-0.0292
Gm17	2199660	2199860	Gmdrm	hypo	CHH	-0.0482
Gm17	2218961	2219944	Gmdrm	hypo	CHH	-0.0193
Gm17	2219969	2220967	Gmdrm	hypo	CHH	-0.1129
Gm17	2223430	2224422	Gmdrm	hypo	CHH	-0.1775
Gm17	2232199	2232698	Gmdrm	hypo	CHH	-0.1597
Gm17	2234648	2235646	Gmdrm	hypo	CHH	-0.0496
Gm17	2237709	2238703	Gmdrm	hypo	CHH	-0.2931
Gm17	2241709	2242708	Gmdrm	hypo	CHH	-0.0924
Gm17	2253482	2254468	Gmdrm	hypo	CHH	-0.0168
Gm17	2257949	2258100	Gmdrm	hypo	CHH	-0.0177
Gm17	2261950	2262946	Gmdrm	hypo	CHH	-0.2133
Gm17	2273114	2273149	Gmdrm	hypo	CHH	-0.13
Gm17	2295406	2296385	Gmdrm	hypo	CHH	-0.04
Gm17	2305878	2306878	Gmdrm	hypo	CHH	-0.0287
Gm17	2306881	2307881	Gmdrm	hypo	CHH	-0.0859

Gm17	2307884	2308852	Gmdrm	hypo	CHH	-0.1384
Gm17	2324070	2325046	Gmdrm	hypo	CHH	-0.0193
Gm17	2326155	2327126	Gmdrm	hypo	CHH	-0.0199
Gm17	2327157	2328154	Gmdrm	hypo	CHH	-0.0334
Gm17	2328160	2329139	Gmdrm	hypo	CHH	-0.0857
Gm17	2329177	2330177	Gmdrm	hypo	CHH	-0.0157
Gm17	2335557	2336545	Gmdrm	hypo	CHH	-0.0613
Gm17	2336576	2337516	Gmdrm	hypo	CHH	-0.0146
Gm17	2339522	2340508	Gmdrm	hypo	CHH	-0.0162
Gm17	2354212	2355210	Gmdrm	hypo	CHH	-0.0441
Gm17	2355214	2356182	Gmdrm	hypo	CHH	-0.0462
Gm17	2360124	2360721	Gmdrm	hypo	CHH	-0.0254
Gm17	2371632	2372627	Gmdrm	hypo	CHH	-0.091
Gm17	2372635	2373632	Gmdrm	hypo	CHH	-0.0688
Gm17	2373663	2374289	Gmdrm	hypo	CHH	-0.0718
Gm17	2374619	2375235	Gmdrm	hypo	CHH	-0.3294
Gm17	2383792	2384124	Gmdrm	hypo	CHH	-0.0393
Gm17	2384230	2385211	Gmdrm	hypo	CHH	-0.0153
Gm17	2391660	2392425	Gmdrm	hypo	CHH	-0.116
Gm17	2392537	2393418	Gmdrm	hypo	CHH	-0.0141
Gm17	2395567	2396546	Gmdrm	hypo	CHH	-0.0968
Gm17	2427317	2428317	Gmdrm	hypo	CHH	-0.0211
Gm17	2434737	2435697	Gmdrm	hypo	CHH	-0.0115
Gm17	2436717	2437675	Gmdrm	hypo	CHH	-0.0411
Gm17	2440796	2441792	Gmdrm	hypo	CHH	-0.0357
Gm17	2441797	2442790	Gmdrm	hypo	CHH	-0.0356
Gm17	2450957	2451949	Gmdrm	hypo	CHH	-0.0432
Gm17	2457485	2458480	Gmdrm	hypo	CHH	-0.2174
Gm17	2458487	2459481	Gmdrm	hypo	CHH	-0.0756
Gm17	2473607	2474193	Gmdrm	hypo	CHH	-0.0167
Gm17	2487237	2488192	Gmdrm	hypo	CHH	-0.0139
Gm17	2500956	2501432	Gmdrm	hypo	CHH	-0.0824
Gm17	2505128	2505669	Gmdrm	hypo	CHH	-0.0824
Gm17	2523777	2523905	Gmdrm	hypo	CHH	-0.0317
Gm17	2525872	2526854	Gmdrm	hypo	CHH	-0.0253
Gm17	2529887	2530850	Gmdrm	hypo	CHH	-0.0364
Gm17	2531908	2532908	Gmdrm	hypo	CHH	-0.1272
Gm17	2532910	2533870	Gmdrm	hypo	CHH	-0.0738
Gm17	2543270	2544231	Gmdrm	hypo	CHH	-0.0133
Gm17	2551717	2552715	Gmdrm	hypo	CHH	-0.0218
Gm17	2562386	2563172	Gmdrm	hypo	CHH	-0.0112
Gm17	2566253	2566819	Gmdrm	hypo	CHH	-0.0945
Gm17	2567001	2567138	Gmdrm	hypo	CHH	-0.1986
Gm17	2567691	2568159	Gmdrm	hypo	CHH	-0.1014
Gm17	2594873	2595304	Gmdrm	hypo	CHH	-0.0169
Gm17	2611907	2612783	Gmdrm	hypo	CHH	-0.0271

Gm17	2613284	2614092	Gmdrm	hypo	CHH	-0.0132
Gm17	2615894	2616174	Gmdrm	hypo	CHH	-0.0845
Gm17	2622766	2623765	Gmdrm	hypo	CHH	-0.1987
Gm17	2623768	2624651	Gmdrm	hypo	CHH	-0.2973
Gm17	2637508	2638455	Gmdrm	hypo	CHH	-0.0197
Gm17	2640548	2641537	Gmdrm	hypo	CHH	-0.0299
Gm17	2641549	2642532	Gmdrm	hypo	CHH	-0.1219
Gm17	2653023	2654022	Gmdrm	hypo	CHH	-0.0797
Gm17	2654029	2654593	Gmdrm	hypo	CHH	-0.0318
Gm17	2667193	2668172	Gmdrm	hypo	CHH	-0.017
Gm17	2673201	2674192	Gmdrm	hypo	CHH	-0.0336
Gm17	2688233	2689233	Gmdrm	hypo	CHH	-0.1201
Gm17	2689234	2690227	Gmdrm	hypo	CHH	-0.3523
Gm17	2702513	2703473	Gmdrm	hypo	CHH	-0.0256
Gm17	2708731	2709723	Gmdrm	hypo	CHH	-0.058
Gm17	2709733	2710428	Gmdrm	hypo	CHH	-0.0176
Gm17	2711816	2712804	Gmdrm	hypo	CHH	-0.0142
Gm17	2713576	2714319	Gmdrm	hypo	CHH	-0.0167
Gm17	2726154	2726474	Gmdrm	hypo	CHH	-0.0157
Gm17	2731854	2732844	Gmdrm	hypo	CHH	-0.0244
Gm17	2733886	2734869	Gmdrm	hypo	CHH	-0.0235
Gm17	2738092	2739090	Gmdrm	hypo	CHH	-0.0352
Gm17	2743631	2744626	Gmdrm	hypo	CHH	-0.0173
Gm17	2746861	2747831	Gmdrm	hypo	CHH	-0.0467
Gm17	2748947	2749876	Gmdrm	hypo	CHH	-0.0168
Gm17	2757243	2758215	Gmdrm	hypo	CHH	-0.0496
Gm17	2772315	2773314	Gmdrm	hypo	CHH	-0.2476
Gm17	2809226	2810202	Gmdrm	hypo	CHH	-0.0162
Gm17	2816950	2817936	Gmdrm	hypo	CHH	-0.0259
Gm17	2817952	2818951	Gmdrm	hypo	CHH	-0.0473
Gm17	2818957	2819542	Gmdrm	hypo	CHH	-0.0309
Gm17	2836166	2837162	Gmdrm	hypo	CHH	-0.0273
Gm17	2839535	2840489	Gmdrm	hypo	CHH	-0.0283
Gm17	2842344	2843221	Gmdrm	hypo	CHH	-0.0149
Gm17	2846418	2847418	Gmdrm	hypo	CHH	-0.0127
Gm17	2857039	2858035	Gmdrm	hypo	CHH	-0.0791
Gm17	2859092	2860083	Gmdrm	hypo	CHH	-0.0388
Gm17	2866549	2867527	Gmdrm	hypo	CHH	-0.0233
Gm17	2875630	2876055	Gmdrm	hypo	CHH	-0.0497
Gm17	2876179	2876382	Gmdrm	hypo	CHH	-0.1004
Gm17	2882001	2882995	Gmdrm	hypo	CHH	-0.0213
Gm17	2883004	2883972	Gmdrm	hypo	CHH	-0.1711
Gm17	2884035	2885029	Gmdrm	hypo	CHH	-0.0139
Gm17	2903305	2904284	Gmdrm	hypo	CHH	-0.1063
Gm17	2905057	2906049	Gmdrm	hypo	CHH	-0.061
Gm17	2906061	2907049	Gmdrm	hypo	CHH	-0.0269

Gm17	2909112	2909396 Gmdrm	hypo	CHH	-0.0212
Gm17	2912117	2912411 Gmdrm	hypo	CHH	-0.0288
Gm17	2915092	2916043 Gmdrm	hypo	CHH	-0.0394
Gm17	2929047	2929736 Gmdrm	hypo	CHH	-0.0245
Gm17	2941237	2942224 Gmdrm	hypo	CHH	-0.0564
Gm17	2948893	2949887 Gmdrm	hypo	CHH	-0.1012
Gm17	2949895	2950836 Gmdrm	hypo	CHH	-0.0962
Gm17	2959050	2960044 Gmdrm	hypo	CHH	-0.0977
Gm17	2960052	2961036 Gmdrm	hypo	CHH	-0.0239
Gm17	2961072	2962056 Gmdrm	hypo	CHH	-0.0274
Gm17	2963213	2964213 Gmdrm	hypo	CHH	-0.0254
Gm17	2976634	2977265 Gmdrm	hypo	CHH	-0.0733
Gm17	2992517	2992872 Gmdrm	hypo	CHH	-0.0853
Gm17	3011118	3012094 Gmdrm	hypo	CHH	-0.0569
Gm17	3012167	3013136 Gmdrm	hypo	CHH	-0.0204
Gm17	3018015	3019004 Gmdrm	hypo	CHH	-0.0158
Gm17	3035875	3036865 Gmdrm	hypo	CHH	-0.0646
Gm17	3038735	3039728 Gmdrm	hypo	CHH	-0.0187
Gm17	3039737	3040670 Gmdrm	hypo	CHH	-0.1578
Gm17	3046693	3047693 Gmdrm	hypo	CHH	-0.0296
Gm17	3072391	3073388 Gmdrm	hypo	CHH	-0.0849
Gm17	3073560	3074554 Gmdrm	hypo	CHH	-0.1186
Gm17	3084566	3085558 Gmdrm	hypo	CHH	-0.0167
Gm17	3085581	3086580 Gmdrm	hypo	CHH	-0.0898
Gm17	3094372	3095370 Gmdrm	hypo	CHH	-0.0924
Gm17	3095375	3095930 Gmdrm	hypo	CHH	-0.0342
Gm17	3100791	3101749 Gmdrm	hypo	CHH	-0.0242
Gm17	3122786	3123785 Gmdrm	hypo	CHH	-0.0202
Gm17	3123791	3124791 Gmdrm	hypo	CHH	-0.0327
Gm17	3124811	3125811 Gmdrm	hypo	CHH	-0.0318
Gm17	3125821	3126798 Gmdrm	hypo	CHH	-0.1215
Gm17	3133365	3134275 Gmdrm	hypo	CHH	-0.0755
Gm17	3134489	3135478 Gmdrm	hypo	CHH	-0.0481
Gm17	3138792	3139723 Gmdrm	hypo	CHH	-0.0442
Gm17	3143872	3144858 Gmdrm	hypo	CHH	-0.0226
Gm17	3146911	3147724 Gmdrm	hypo	CHH	-0.2729
Gm17	3148931	3149931 Gmdrm	hypo	CHH	-0.0175
Gm17	3158685	3159619 Gmdrm	hypo	CHH	-0.0695
Gm17	3165912	3166884 Gmdrm	hypo	CHH	-0.021
Gm17	3167951	3168947 Gmdrm	hypo	CHH	-0.0183
Gm17	3168959	3169955 Gmdrm	hypo	CHH	-0.0213
Gm17	3172763	3173741 Gmdrm	hypo	CHH	-0.0268
Gm17	3179054	3179987 Gmdrm	hypo	CHH	-0.0231
Gm17	3191949	3192948 Gmdrm	hypo	CHH	-0.121
Gm17	3192950	3193312 Gmdrm	hypo	CHH	-0.1278
Gm17	3199317	3200276 Gmdrm	hypo	CHH	-0.0171

Gm17	3202339	3203332	Gmdrm	hypo	CHH	-0.3598
Gm17	3204351	3205328	Gmdrm	hypo	CHH	-0.0197
Gm17	3209863	3210855	Gmdrm	hypo	CHH	-0.0168
Gm17	3215606	3216592	Gmdrm	hypo	CHH	-0.0152
Gm17	3224803	3225785	Gmdrm	hypo	CHH	-0.0098
Gm17	3230247	3231233	Gmdrm	hypo	CHH	-0.1078
Gm17	3243937	3244396	Gmdrm	hypo	CHH	-0.0289
Gm17	3245646	3246645	Gmdrm	hypo	CHH	-0.1301
Gm17	3246653	3247646	Gmdrm	hypo	CHH	-0.0777
Gm17	3263038	3264036	Gmdrm	hypo	CHH	-0.025
Gm17	3265088	3266087	Gmdrm	hypo	CHH	-0.0166
Gm17	3267151	3268145	Gmdrm	hypo	CHH	-0.016
Gm17	3288018	3288763	Gmdrm	hypo	CHH	-0.1065
Gm17	3299209	3300205	Gmdrm	hypo	CHH	-0.014
Gm17	3300880	3301867	Gmdrm	hypo	CHH	-0.02
Gm17	3304895	3305039	Gmdrm	hypo	CHH	-0.0405
Gm17	3312171	3313147	Gmdrm	hypo	CHH	-0.0155
Gm17	3318633	3319625	Gmdrm	hypo	CHH	-0.0586
Gm17	3323935	3324922	Gmdrm	hypo	CHH	-0.0284
Gm17	3329536	3330334	Gmdrm	hypo	CHH	-0.0336
Gm17	3331574	3331642	Gmdrm	hypo	CHH	-0.0686
Gm17	3336584	3337557	Gmdrm	hypo	CHH	-0.0216
Gm17	3346589	3347226	Gmdrm	hypo	CHH	-0.0273
Gm17	3347436	3347701	Gmdrm	hypo	CHH	-0.0835
Gm17	3359650	3360639	Gmdrm	hypo	CHH	-0.0186
Gm17	3372672	3373273	Gmdrm	hypo	CHH	-0.035
Gm17	3376728	3377452	Gmdrm	hypo	CHH	-0.0239
Gm17	3377557	3378554	Gmdrm	hypo	CHH	-0.0192
Gm17	3383509	3384491	Gmdrm	hypo	CHH	-0.0215
Gm17	3390630	3391624	Gmdrm	hypo	CHH	-0.0429
Gm17	3392783	3393765	Gmdrm	hypo	CHH	-0.0174
Gm17	3398441	3399405	Gmdrm	hypo	CHH	-0.0175
Gm17	3399495	3400493	Gmdrm	hypo	CHH	-0.0934
Gm17	3400556	3401446	Gmdrm	hypo	CHH	-0.0434
Gm17	3402025	3403004	Gmdrm	hypo	CHH	-0.0096
Gm17	3411657	3412123	Gmdrm	hypo	CHH	-0.0469
Gm17	3412682	3413223	Gmdrm	hypo	CHH	-0.0445
Gm17	3415612	3416610	Gmdrm	hypo	CHH	-0.2096
Gm17	3416614	3417609	Gmdrm	hypo	CHH	-0.0333
Gm17	3420658	3421573	Gmdrm	hypo	CHH	-0.0267
Gm17	3438124	3438814	Gmdrm	hypo	CHH	-0.0225
Gm17	3443567	3444532	Gmdrm	hypo	CHH	-0.0199
Gm17	3490342	3491335	Gmdrm	hypo	CHH	-0.0171
Gm17	3496202	3497192	Gmdrm	hypo	CHH	-0.0448
Gm17	3498190	3499187	Gmdrm	hypo	CHH	-0.0818
Gm17	3499193	3500020	Gmdrm	hypo	CHH	-0.1189

Gm17	3501453	3502453 Gmdrm	hypo	CHH	-0.0245
Gm17	3509277	3510248 Gmdrm	hypo	CHH	-0.0136
Gm17	3512169	3513124 Gmdrm	hypo	CHH	-0.0151
Gm17	3527050	3528046 Gmdrm	hypo	CHH	-0.0153
Gm17	3535135	3536120 Gmdrm	hypo	CHH	-0.1157
Gm17	3536363	3537333 Gmdrm	hypo	CHH	-0.0405
Gm17	3545157	3546142 Gmdrm	hypo	CHH	-0.034
Gm17	3550502	3551496 Gmdrm	hypo	CHH	-0.0223
Gm17	3558617	3559591 Gmdrm	hypo	CHH	-0.0094
Gm17	3567042	3568039 Gmdrm	hypo	CHH	-0.0234
Gm17	3575138	3576138 Gmdrm	hypo	CHH	-0.0132
Gm17	3592283	3592668 Gmdrm	hypo	CHH	-0.0927
Gm17	3598197	3599193 Gmdrm	hypo	CHH	-0.388
Gm17	3600090	3601069 Gmdrm	hypo	CHH	-0.0168
Gm17	3601092	3602081 Gmdrm	hypo	CHH	-0.0647
Gm17	3608536	3609526 Gmdrm	hypo	CHH	-0.0235
Gm17	3617117	3618101 Gmdrm	hypo	CHH	-0.0161
Gm17	3618124	3619049 Gmdrm	hypo	CHH	-0.1323
Gm17	3622955	3623951 Gmdrm	hypo	CHH	-0.0133
Gm17	3660520	3661509 Gmdrm	hypo	CHH	-0.0133
Gm17	3673036	3673845 Gmdrm	hypo	CHH	-0.03
Gm17	3678178	3679178 Gmdrm	hypo	CHH	-0.0663
Gm17	3679184	3680181 Gmdrm	hypo	CHH	-0.0364
Gm17	3681198	3681462 Gmdrm	hypo	CHH	-0.02
Gm17	3689966	3690960 Gmdrm	hypo	CHH	-0.0623
Gm17	3693156	3694144 Gmdrm	hypo	CHH	-0.025
Gm17	3707007	3707134 Gmdrm	hypo	CHH	-0.07
Gm17	3709349	3710346 Gmdrm	hypo	CHH	-0.3121
Gm17	3710354	3710934 Gmdrm	hypo	CHH	-0.1195
Gm17	3711297	3712265 Gmdrm	hypo	CHH	-0.08
Gm17	3715287	3716285 Gmdrm	hypo	CHH	-0.2203
Gm17	3726019	3726347 Gmdrm	hypo	CHH	-0.0326
Gm17	3731961	3732957 Gmdrm	hypo	CHH	-0.0143
Gm17	3739782	3740760 Gmdrm	hypo	CHH	-0.0269
Gm17	3742808	3743792 Gmdrm	hypo	CHH	-0.0635
Gm17	3743815	3744814 Gmdrm	hypo	CHH	-0.1729
Gm17	3754470	3755463 Gmdrm	hypo	CHH	-0.1117
Gm17	3761081	3762078 Gmdrm	hypo	CHH	-0.0735
Gm17	3762871	3763870 Gmdrm	hypo	CHH	-0.1091
Gm17	3763874	3764866 Gmdrm	hypo	CHH	-0.1172
Gm17	3764886	3765556 Gmdrm	hypo	CHH	-0.0187
Gm17	3775051	3776051 Gmdrm	hypo	CHH	-0.0954
Gm17	3776059	3777035 Gmdrm	hypo	CHH	-0.0728
Gm17	3787457	3788453 Gmdrm	hypo	CHH	-0.0551
Gm17	3788464	3789459 Gmdrm	hypo	CHH	-0.1847
Gm17	3790671	3791667 Gmdrm	hypo	CHH	-0.0287

Gm17	3791673	3792659	Gmdrm	hypo	CHH	-0.0273
Gm17	3801628	3802506	Gmdrm	hypo	CHH	-0.0155
Gm17	3821494	3822487	Gmdrm	hypo	CHH	-0.0293
Gm17	3826347	3827342	Gmdrm	hypo	CHH	-0.0136
Gm17	3831038	3832027	Gmdrm	hypo	CHH	-0.1481
Gm17	3833079	3834066	Gmdrm	hypo	CHH	-0.0163
Gm17	3835102	3836100	Gmdrm	hypo	CHH	-0.027
Gm17	3841621	3842619	Gmdrm	hypo	CHH	-0.0247
Gm17	3843630	3844623	Gmdrm	hypo	CHH	-0.1091
Gm17	3849362	3849632	Gmdrm	hypo	CHH	-0.1113
Gm17	3860263	3861246	Gmdrm	hypo	CHH	-0.2419
Gm17	3867522	3868522	Gmdrm	hypo	CHH	-0.0231
Gm17	3868531	3869502	Gmdrm	hypo	CHH	-0.1816
Gm17	3873848	3874826	Gmdrm	hypo	CHH	-0.0109
Gm17	3882637	3882802	Gmdrm	hypo	CHH	-0.0743
Gm17	3885699	3886689	Gmdrm	hypo	CHH	-0.0732
Gm17	3893109	3893226	Gmdrm	hypo	CHH	-0.078
Gm17	3903066	3904059	Gmdrm	hypo	CHH	-0.144
Gm17	3919485	3920483	Gmdrm	hypo	CHH	-0.0153
Gm17	3924266	3925252	Gmdrm	hypo	CHH	-0.0321
Gm17	3952672	3953423	Gmdrm	hypo	CHH	-0.0226
Gm17	3979812	3980811	Gmdrm	hypo	CHH	-0.0141
Gm17	3983698	3984020	Gmdrm	hypo	CHH	-0.0425
Gm17	4006566	4007555	Gmdrm	hypo	CHH	-0.2808
Gm17	4007568	4007901	Gmdrm	hypo	CHH	-0.1736
Gm17	4011938	4012297	Gmdrm	hypo	CHH	-0.1844
Gm17	4012401	4013371	Gmdrm	hypo	CHH	-0.1033
Gm17	4025026	4025959	Gmdrm	hypo	CHH	-0.0125
Gm17	4029111	4029397	Gmdrm	hypo	CHH	-0.1071
Gm17	4030305	4031301	Gmdrm	hypo	CHH	-0.1816
Gm17	4031313	4031740	Gmdrm	hypo	CHH	-0.1882
Gm17	4036328	4037312	Gmdrm	hypo	CHH	-0.028
Gm17	4039082	4040056	Gmdrm	hypo	CHH	-0.0136
Gm17	4084212	4084800	Gmdrm	hypo	CHH	-0.0327
Gm17	4093233	4094231	Gmdrm	hypo	CHH	-0.0179
Gm17	4121263	4122118	Gmdrm	hypo	CHH	-0.1138
Gm17	4137532	4138530	Gmdrm	hypo	CHH	-0.0124
Gm17	4140849	4141849	Gmdrm	hypo	CHH	-0.023
Gm17	4150163	4151142	Gmdrm	hypo	CHH	-0.0198
Gm17	4161750	4162750	Gmdrm	hypo	CHH	-0.0739
Gm17	4179795	4180786	Gmdrm	hypo	CHH	-0.0155
Gm17	4186461	4187461	Gmdrm	hypo	CHH	-0.0206
Gm17	4197459	4198452	Gmdrm	hypo	CHH	-0.0222
Gm17	4213576	4214572	Gmdrm	hypo	CHH	-0.0209
Gm17	4227707	4228704	Gmdrm	hypo	CHH	-0.0222
Gm17	4228708	4229697	Gmdrm	hypo	CHH	-0.1035

Gm17	4229716	4230681	Gmdrm	hypo	CHH	-0.0337
Gm17	4237045	4237401	Gmdrm	hypo	CHH	-0.0295
Gm17	4257914	4258910	Gmdrm	hypo	CHH	-0.0805
Gm17	4263573	4264559	Gmdrm	hypo	CHH	-0.1062
Gm17	4264575	4265570	Gmdrm	hypo	CHH	-0.0434
Gm17	4265585	4266433	Gmdrm	hypo	CHH	-0.1129
Gm17	4304316	4305295	Gmdrm	hypo	CHH	-0.0321
Gm17	4306324	4307324	Gmdrm	hypo	CHH	-0.0623
Gm17	4307344	4308344	Gmdrm	hypo	CHH	-0.072
Gm17	4308346	4309330	Gmdrm	hypo	CHH	-0.0725
Gm17	4315113	4316104	Gmdrm	hypo	CHH	-0.0952
Gm17	4316129	4316791	Gmdrm	hypo	CHH	-0.0468
Gm17	4326613	4327240	Gmdrm	hypo	CHH	-0.0338
Gm17	4327355	4328354	Gmdrm	hypo	CHH	-0.0824
Gm17	4328361	4329357	Gmdrm	hypo	CHH	-0.0691
Gm17	4335071	4335563	Gmdrm	hypo	CHH	-0.0163
Gm17	4337712	4338708	Gmdrm	hypo	CHH	-0.0673
Gm17	4340043	4341033	Gmdrm	hypo	CHH	-0.2477
Gm17	4343852	4344849	Gmdrm	hypo	CHH	-0.1087
Gm17	4344853	4345850	Gmdrm	hypo	CHH	-0.055
Gm17	4345859	4346840	Gmdrm	hypo	CHH	-0.047
Gm17	4356035	4356984	Gmdrm	hypo	CHH	-0.0251
Gm17	4386343	4386532	Gmdrm	hypo	CHH	-0.0236
Gm17	4400704	4401697	Gmdrm	hypo	CHH	-0.2093
Gm17	4404667	4405665	Gmdrm	hypo	CHH	-0.2437
Gm17	4411731	4412728	Gmdrm	hypo	CHH	-0.014
Gm17	4413613	4414610	Gmdrm	hypo	CHH	-0.0591
Gm17	4424442	4425184	Gmdrm	hypo	CHH	-0.0149
Gm17	4425295	4426263	Gmdrm	hypo	CHH	-0.0118
Gm17	4446624	4447617	Gmdrm	hypo	CHH	-0.0169
Gm17	4453677	4454648	Gmdrm	hypo	CHH	-0.0117
Gm17	4455703	4456690	Gmdrm	hypo	CHH	-0.0784
Gm17	4456705	4457123	Gmdrm	hypo	CHH	-0.0711
Gm17	4460272	4460918	Gmdrm	hypo	CHH	-0.0719
Gm17	4463145	4464141	Gmdrm	hypo	CHH	-0.0203
Gm17	4476424	4477413	Gmdrm	hypo	CHH	-0.0216
Gm17	4489180	4489318	Gmdrm	hypo	CHH	-0.0233
Gm17	4492523	4493519	Gmdrm	hypo	CHH	-0.1132
Gm17	4493525	4494525	Gmdrm	hypo	CHH	-0.0245
Gm17	4516748	4517735	Gmdrm	hypo	CHH	-0.0575
Gm17	4518775	4519743	Gmdrm	hypo	CHH	-0.0277
Gm17	4532036	4532574	Gmdrm	hypo	CHH	-0.0189
Gm17	4538071	4539063	Gmdrm	hypo	CHH	-0.028
Gm17	4561945	4562931	Gmdrm	hypo	CHH	-0.0188
Gm17	4567113	4567907	Gmdrm	hypo	CHH	-0.0211
Gm17	4568008	4568941	Gmdrm	hypo	CHH	-0.0172

Gm17	4569024	4570008 Gmdrm	hypo	CHH	-0.0901
Gm17	4578339	4579294 Gmdrm	hypo	CHH	-0.0492
Gm17	4584535	4585515 Gmdrm	hypo	CHH	-0.0949
Gm17	4590797	4591791 Gmdrm	hypo	CHH	-0.0109
Gm17	4591808	4592793 Gmdrm	hypo	CHH	-0.0205
Gm17	4601252	4602230 Gmdrm	hypo	CHH	-0.1659
Gm17	4604519	4605504 Gmdrm	hypo	CHH	-0.0125
Gm17	4605539	4606534 Gmdrm	hypo	CHH	-0.0183
Gm17	4606553	4607552 Gmdrm	hypo	CHH	-0.0125
Gm17	4609142	4610135 Gmdrm	hypo	CHH	-0.0228
Gm17	4610147	4611146 Gmdrm	hypo	CHH	-0.083
Gm17	4618881	4619872 Gmdrm	hypo	CHH	-0.0117
Gm17	4626964	4627933 Gmdrm	hypo	CHH	-0.0244
Gm17	4628243	4629243 Gmdrm	hypo	CHH	-0.0333
Gm17	4629246	4630243 Gmdrm	hypo	CHH	-0.1046
Gm17	4630248	4631245 Gmdrm	hypo	CHH	-0.0651
Gm17	4639394	4640391 Gmdrm	hypo	CHH	-0.0743
Gm17	4640398	4641397 Gmdrm	hypo	CHH	-0.0537
Gm17	4641400	4642244 Gmdrm	hypo	CHH	-0.0646
Gm17	4667606	4668596 Gmdrm	hypo	CHH	-0.1465
Gm17	4668609	4669606 Gmdrm	hypo	CHH	-0.0773
Gm17	4684189	4685181 Gmdrm	hypo	CHH	-0.0705
Gm17	4685193	4686186 Gmdrm	hypo	CHH	-0.0883
Gm17	4691353	4692346 Gmdrm	hypo	CHH	-0.0134
Gm17	4692362	4693125 Gmdrm	hypo	CHH	-0.4445
Gm17	4693234	4694230 Gmdrm	hypo	CHH	-0.0202
Gm17	4700019	4701001 Gmdrm	hypo	CHH	-0.0167
Gm17	4701028	4702026 Gmdrm	hypo	CHH	-0.0209
Gm17	4702030	4703028 Gmdrm	hypo	CHH	-0.1893
Gm17	4717891	4718882 Gmdrm	hypo	CHH	-0.0113
Gm17	4727302	4727569 Gmdrm	hypo	CHH	-0.0272
Gm17	4730544	4731541 Gmdrm	hypo	CHH	-0.0135
Gm17	4754615	4755605 Gmdrm	hypo	CHH	-0.024
Gm17	4780613	4781608 Gmdrm	hypo	CHH	-0.2018
Gm17	4785176	4786176 Gmdrm	hypo	CHH	-0.0458
Gm17	4789220	4790190 Gmdrm	hypo	CHH	-0.0135
Gm17	4802683	4803661 Gmdrm	hypo	CHH	-0.2283
Gm17	4806763	4807721 Gmdrm	hypo	CHH	-0.0097
Gm17	4807771	4808757 Gmdrm	hypo	CHH	-0.0179
Gm17	4820228	4821227 Gmdrm	hypo	CHH	-0.0783
Gm17	4828246	4828432 Gmdrm	hypo	CHH	-0.0367
Gm17	4834880	4835838 Gmdrm	hypo	CHH	-0.0135
Gm17	4854617	4855589 Gmdrm	hypo	CHH	-0.0631
Gm17	4866172	4867170 Gmdrm	hypo	CHH	-0.0509
Gm17	4870190	4871190 Gmdrm	hypo	CHH	-0.0202
Gm17	4871196	4872188 Gmdrm	hypo	CHH	-0.0818

Gm17	4873227	4873316 Gmdrm	hypo	CHH	-0.0263
Gm17	4874985	4875984 Gmdrm	hypo	CHH	-0.0736
Gm17	4875990	4876989 Gmdrm	hypo	CHH	-0.0604
Gm17	4876991	4877991 Gmdrm	hypo	CHH	-0.028
Gm17	4879960	4880597 Gmdrm	hypo	CHH	-0.0183
Gm17	4881249	4882240 Gmdrm	hypo	CHH	-0.0284
Gm17	4882257	4883222 Gmdrm	hypo	CHH	-0.0286
Gm17	4890688	4891687 Gmdrm	hypo	CHH	-0.2717
Gm17	4891691	4892691 Gmdrm	hypo	CHH	-0.0267
Gm17	4907033	4908012 Gmdrm	hypo	CHH	-0.0203
Gm17	4914053	4915038 Gmdrm	hypo	CHH	-0.0251
Gm17	4940831	4941828 Gmdrm	hypo	CHH	-0.0694
Gm17	4950695	4951695 Gmdrm	hypo	CHH	-0.0791
Gm17	4951699	4952691 Gmdrm	hypo	CHH	-0.0128
Gm17	4954090	4955090 Gmdrm	hypo	CHH	-0.0106
Gm17	4960091	4961089 Gmdrm	hypo	CHH	-0.0741
Gm17	4961104	4961759 Gmdrm	hypo	CHH	-0.0568
Gm17	4965237	4966231 Gmdrm	hypo	CHH	-0.05
Gm17	4981726	4982723 Gmdrm	hypo	CHH	-0.0349
Gm17	4987615	4988569 Gmdrm	hypo	CHH	-0.0216
Gm17	4991589	4992569 Gmdrm	hypo	CHH	-0.0244
Gm17	4996097	4997096 Gmdrm	hypo	CHH	-0.0143
Gm17	5012341	5013322 Gmdrm	hypo	CHH	-0.0131
Gm17	5015421	5016390 Gmdrm	hypo	CHH	-0.1275
Gm17	5018240	5019237 Gmdrm	hypo	CHH	-0.0373
Gm17	5023590	5023666 Gmdrm	hypo	CHH	-0.0986
Gm17	5029910	5030387 Gmdrm	hypo	CHH	-0.0231
Gm17	5032503	5033502 Gmdrm	hypo	CHH	-0.0453
Gm17	5033512	5034503 Gmdrm	hypo	CHH	-0.0979
Gm17	5039077	5040071 Gmdrm	hypo	CHH	-0.0431
Gm17	5040114	5041003 Gmdrm	hypo	CHH	-0.0195
Gm17	5056953	5057919 Gmdrm	hypo	CHH	-0.0162
Gm17	5061947	5062942 Gmdrm	hypo	CHH	-0.0257
Gm17	5068016	5069010 Gmdrm	hypo	CHH	-0.0283
Gm17	5069022	5070012 Gmdrm	hypo	CHH	-0.035
Gm17	5075447	5076434 Gmdrm	hypo	CHH	-0.0184
Gm17	5076491	5077486 Gmdrm	hypo	CHH	-0.0275
Gm17	5086343	5086974 Gmdrm	hypo	CHH	-0.0164
Gm17	5093836	5094825 Gmdrm	hypo	CHH	-0.0119
Gm17	5106059	5107049 Gmdrm	hypo	CHH	-0.0127
Gm17	5109586	5110579 Gmdrm	hypo	CHH	-0.0314
Gm17	5111661	5112660 Gmdrm	hypo	CHH	-0.0178
Gm17	5112663	5113486 Gmdrm	hypo	CHH	-0.0194
Gm17	5117560	5118559 Gmdrm	hypo	CHH	-0.0219
Gm17	5119575	5120128 Gmdrm	hypo	CHH	-0.1141
Gm17	5131972	5132965 Gmdrm	hypo	CHH	-0.0224

Gm17	5132989	5133988 Gmdrm	hypo	CHH	-0.1649
Gm17	5143090	5144088 Gmdrm	hypo	CHH	-0.0158
Gm17	5144142	5145141 Gmdrm	hypo	CHH	-0.0156
Gm17	5151722	5152680 Gmdrm	hypo	CHH	-0.014
Gm17	5154788	5155787 Gmdrm	hypo	CHH	-0.0855
Gm17	5155797	5156167 Gmdrm	hypo	CHH	-0.0679
Gm17	5159543	5160527 Gmdrm	hypo	CHH	-0.0687
Gm17	5160557	5161556 Gmdrm	hypo	CHH	-0.2035
Gm17	5161568	5162124 Gmdrm	hypo	CHH	-0.0332
Gm17	5162255	5162987 Gmdrm	hypo	CHH	-0.0132
Gm17	5176541	5177520 Gmdrm	hypo	CHH	-0.0151
Gm17	5181027	5181743 Gmdrm	hypo	CHH	-0.0126
Gm17	5190943	5191907 Gmdrm	hypo	CHH	-0.0358
Gm17	5191948	5192944 Gmdrm	hypo	CHH	-0.0963
Gm17	5203657	5204657 Gmdrm	hypo	CHH	-0.0106
Gm17	5208924	5209918 Gmdrm	hypo	CHH	-0.0142
Gm17	5209926	5210065 Gmdrm	hypo	CHH	-0.2524
Gm17	5219809	5220106 Gmdrm	hypo	CHH	-0.0936
Gm17	5225028	5226025 Gmdrm	hypo	CHH	-0.3326
Gm17	5233640	5234558 Gmdrm	hypo	CHH	-0.0436
Gm17	5241903	5242902 Gmdrm	hypo	CHH	-0.1384
Gm17	5249542	5249752 Gmdrm	hypo	CHH	-0.0544
Gm17	5251252	5252232 Gmdrm	hypo	CHH	-0.0437
Gm17	5259461	5260460 Gmdrm	hypo	CHH	-0.1687
Gm17	5260463	5261210 Gmdrm	hypo	CHH	-0.2532
Gm17	5268095	5268385 Gmdrm	hypo	CHH	-0.0364
Gm17	5270024	5271019 Gmdrm	hypo	CHH	-0.0137
Gm17	5276372	5277050 Gmdrm	hypo	CHH	-0.0264
Gm17	5289054	5290049 Gmdrm	hypo	CHH	-0.0403
Gm17	5294301	5295013 Gmdrm	hypo	CHH	-0.0239
Gm17	5299713	5300713 Gmdrm	hypo	CHH	-0.0159
Gm17	5306835	5307401 Gmdrm	hypo	CHH	-0.0394
Gm17	5316890	5317582 Gmdrm	hypo	CHH	-0.0296
Gm17	5320273	5321259 Gmdrm	hypo	CHH	-0.0159
Gm17	5343252	5344245 Gmdrm	hypo	CHH	-0.0707
Gm17	5349062	5350061 Gmdrm	hypo	CHH	-0.0209
Gm17	5350067	5351055 Gmdrm	hypo	CHH	-0.0544
Gm17	5351072	5351185 Gmdrm	hypo	CHH	-0.0436
Gm17	5353622	5354618 Gmdrm	hypo	CHH	-0.0208
Gm17	5354628	5355113 Gmdrm	hypo	CHH	-0.2906
Gm17	5376791	5377126 Gmdrm	hypo	CHH	-0.0287
Gm17	5388644	5389643 Gmdrm	hypo	CHH	-0.2306
Gm17	5389647	5390645 Gmdrm	hypo	CHH	-0.0217
Gm17	5391387	5392333 Gmdrm	hypo	CHH	-0.1408
Gm17	5395330	5396278 Gmdrm	hypo	CHH	-0.2542
Gm17	5405112	5405720 Gmdrm	hypo	CHH	-0.0309

Gm17	5417610	5418603 Gmdrm	hypo	CHH	-0.0609
Gm17	5418612	5419595 Gmdrm	hypo	CHH	-0.0683
Gm17	5421729	5422729 Gmdrm	hypo	CHH	-0.1058
Gm17	5422730	5423729 Gmdrm	hypo	CHH	-0.1227
Gm17	5433767	5434764 Gmdrm	hypo	CHH	-0.297
Gm17	5441075	5442070 Gmdrm	hypo	CHH	-0.0188
Gm17	5452965	5453940 Gmdrm	hypo	CHH	-0.0175
Gm17	5455403	5455837 Gmdrm	hypo	CHH	-0.0308
Gm17	5467376	5468376 Gmdrm	hypo	CHH	-0.0499
Gm17	5468381	5469362 Gmdrm	hypo	CHH	-0.0136
Gm17	5471307	5472288 Gmdrm	hypo	CHH	-0.0223
Gm17	5482633	5483631 Gmdrm	hypo	CHH	-0.0131
Gm17	5505046	5506046 Gmdrm	hypo	CHH	-0.0191
Gm17	5514776	5515759 Gmdrm	hypo	CHH	-0.0194
Gm17	5516111	5517111 Gmdrm	hypo	CHH	-0.0587
Gm17	5517113	5518090 Gmdrm	hypo	CHH	-0.0812
Gm17	5522843	5523836 Gmdrm	hypo	CHH	-0.0276
Gm17	5530587	5531554 Gmdrm	hypo	CHH	-0.1377
Gm17	5546925	5547920 Gmdrm	hypo	CHH	-0.0931
Gm17	5547927	5548891 Gmdrm	hypo	CHH	-0.0308
Gm17	5551503	5551644 Gmdrm	hypo	CHH	-0.0788
Gm17	5569239	5570238 Gmdrm	hypo	CHH	-0.0237
Gm17	5570242	5571241 Gmdrm	hypo	CHH	-0.1118
Gm17	5571243	5571962 Gmdrm	hypo	CHH	-0.0598
Gm17	5591360	5592206 Gmdrm	hypo	CHH	-0.1179
Gm17	5594298	5595268 Gmdrm	hypo	CHH	-0.0541
Gm17	5596336	5597336 Gmdrm	hypo	CHH	-0.046
Gm17	5597337	5598320 Gmdrm	hypo	CHH	-0.0987
Gm17	5611634	5612632 Gmdrm	hypo	CHH	-0.0763
Gm17	5612635	5613633 Gmdrm	hypo	CHH	-0.0331
Gm17	5615976	5616960 Gmdrm	hypo	CHH	-0.0216
Gm17	5628975	5629973 Gmdrm	hypo	CHH	-0.0442
Gm17	5630614	5631064 Gmdrm	hypo	CHH	-0.0242
Gm17	5654413	5655273 Gmdrm	hypo	CHH	-0.0106
Gm17	5660614	5661079 Gmdrm	hypo	CHH	-0.0257
Gm17	5661190	5661663 Gmdrm	hypo	CHH	-0.052
Gm17	5668049	5668741 Gmdrm	hypo	CHH	-0.0412
Gm17	5668872	5669859 Gmdrm	hypo	CHH	-0.0509
Gm17	5681105	5682090 Gmdrm	hypo	CHH	-0.0273
Gm17	5690177	5690876 Gmdrm	hypo	CHH	-0.0409
Gm17	5694442	5695439 Gmdrm	hypo	CHH	-0.0869
Gm17	5695443	5696442 Gmdrm	hypo	CHH	-0.0755
Gm17	5696445	5697440 Gmdrm	hypo	CHH	-0.0707
Gm17	5698467	5699457 Gmdrm	hypo	CHH	-0.0626
Gm17	5699475	5700466 Gmdrm	hypo	CHH	-0.0224
Gm17	5703503	5704503 Gmdrm	hypo	CHH	-0.0386

Gm17	5709145	5709382	Gmdrm	hypo	CHH	-0.0443
Gm17	5709488	5710015	Gmdrm	hypo	CHH	-0.0411
Gm17	5712944	5713939	Gmdrm	hypo	CHH	-0.0429
Gm17	5713946	5714934	Gmdrm	hypo	CHH	-0.0401
Gm17	5714949	5715874	Gmdrm	hypo	CHH	-0.0179
Gm17	5726398	5727389	Gmdrm	hypo	CHH	-0.0542
Gm17	5732229	5732951	Gmdrm	hypo	CHH	-0.4833
Gm17	5741557	5742552	Gmdrm	hypo	CHH	-0.3007
Gm17	5763850	5764811	Gmdrm	hypo	CHH	-0.2306
Gm17	5790801	5791787	Gmdrm	hypo	CHH	-0.0114
Gm17	5800434	5801428	Gmdrm	hypo	CHH	-0.0296
Gm17	5805856	5806855	Gmdrm	hypo	CHH	-0.0337
Gm17	5806859	5807786	Gmdrm	hypo	CHH	-0.0248
Gm17	5807890	5808890	Gmdrm	hypo	CHH	-0.0239
Gm17	5814494	5815107	Gmdrm	hypo	CHH	-0.019
Gm17	5823433	5824426	Gmdrm	hypo	CHH	-0.1042
Gm17	5829769	5830758	Gmdrm	hypo	CHH	-0.0295
Gm17	5831795	5832359	Gmdrm	hypo	CHH	-0.0539
Gm17	5832469	5832819	Gmdrm	hypo	CHH	-0.042
Gm17	5832943	5833653	Gmdrm	hypo	CHH	-0.0158
Gm17	5833787	5834787	Gmdrm	hypo	CHH	-0.0908
Gm17	5834788	5835743	Gmdrm	hypo	CHH	-0.0844
Gm17	5865750	5866744	Gmdrm	hypo	CHH	-0.0303
Gm17	5889094	5890090	Gmdrm	hypo	CHH	-0.0764
Gm17	5890100	5891093	Gmdrm	hypo	CHH	-0.2262
Gm17	5896241	5897239	Gmdrm	hypo	CHH	-0.0204
Gm17	5908682	5909626	Gmdrm	hypo	CHH	-0.0184
Gm17	5917464	5918443	Gmdrm	hypo	CHH	-0.0168
Gm17	5918494	5919063	Gmdrm	hypo	CHH	-0.0272
Gm17	5920650	5921645	Gmdrm	hypo	CHH	-0.0788
Gm17	5922078	5922230	Gmdrm	hypo	CHH	-0.0717
Gm17	5942718	5943703	Gmdrm	hypo	CHH	-0.0229
Gm17	5955521	5956507	Gmdrm	hypo	CHH	-0.0337
Gm17	5957577	5957760	Gmdrm	hypo	CHH	-0.1113
Gm17	5987026	5988021	Gmdrm	hypo	CHH	-0.0291
Gm17	5990052	5991046	Gmdrm	hypo	CHH	-0.1049
Gm17	6002467	6002727	Gmdrm	hypo	CHH	-0.0337
Gm17	6007483	6008478	Gmdrm	hypo	CHH	-0.0308
Gm17	6011563	6012559	Gmdrm	hypo	CHH	-0.0133
Gm17	6021739	6022737	Gmdrm	hypo	CHH	-0.0919
Gm17	6023253	6024245	Gmdrm	hypo	CHH	-0.0206
Gm17	6029509	6030507	Gmdrm	hypo	CHH	-0.044
Gm17	6030511	6031511	Gmdrm	hypo	CHH	-0.0353
Gm17	6031513	6032449	Gmdrm	hypo	CHH	-0.0913
Gm17	6037652	6038427	Gmdrm	hypo	CHH	-0.0233
Gm17	6039997	6040950	Gmdrm	hypo	CHH	-0.0196

Gm17	6041565	6042565 Gmdrm	hypo	CHH	-0.0793
Gm17	6042571	6043570 Gmdrm	hypo	CHH	-0.0553
Gm17	6059597	6060572 Gmdrm	hypo	CHH	-0.0151
Gm17	6065177	6066177 Gmdrm	hypo	CHH	-0.1826
Gm17	6066179	6067165 Gmdrm	hypo	CHH	-0.0803
Gm17	6080101	6080683 Gmdrm	hypo	CHH	-0.1594
Gm17	6089953	6090935 Gmdrm	hypo	CHH	-0.0296
Gm17	6099304	6100143 Gmdrm	hypo	CHH	-0.0265
Gm17	6113994	6114986 Gmdrm	hypo	CHH	-0.0539
Gm17	6115001	6115976 Gmdrm	hypo	CHH	-0.0631
Gm17	6117022	6117905 Gmdrm	hypo	CHH	-0.0188
Gm17	6128807	6129791 Gmdrm	hypo	CHH	-0.0232
Gm17	6129998	6130995 Gmdrm	hypo	CHH	-0.0212
Gm17	6131001	6132000 Gmdrm	hypo	CHH	-0.1008
Gm17	6139820	6140820 Gmdrm	hypo	CHH	-0.037
Gm17	6141865	6142864 Gmdrm	hypo	CHH	-0.0234
Gm17	6152199	6153196 Gmdrm	hypo	CHH	-0.0227
Gm17	6177288	6177550 Gmdrm	hypo	CHH	-0.0235
Gm17	6201637	6202553 Gmdrm	hypo	CHH	-0.0244
Gm17	6214467	6215422 Gmdrm	hypo	CHH	-0.0536
Gm17	6215486	6216482 Gmdrm	hypo	CHH	-0.0361
Gm17	6221771	6222744 Gmdrm	hypo	CHH	-0.0152
Gm17	6226327	6226991 Gmdrm	hypo	CHH	-0.0386
Gm17	6234962	6235958 Gmdrm	hypo	CHH	-0.137
Gm17	6237501	6238498 Gmdrm	hypo	CHH	-0.1238
Gm17	6238516	6239511 Gmdrm	hypo	CHH	-0.1248
Gm17	6240831	6241022 Gmdrm	hypo	CHH	-0.0259
Gm17	6242212	6243188 Gmdrm	hypo	CHH	-0.1742
Gm17	6243213	6244208 Gmdrm	hypo	CHH	-0.0239
Gm17	6244968	6245956 Gmdrm	hypo	CHH	-0.0639
Gm17	6245983	6246957 Gmdrm	hypo	CHH	-0.0232
Gm17	6251333	6252330 Gmdrm	hypo	CHH	-0.0245
Gm17	6268104	6269071 Gmdrm	hypo	CHH	-0.0421
Gm17	6280743	6281730 Gmdrm	hypo	CHH	-0.0132
Gm17	6282562	6283549 Gmdrm	hypo	CHH	-0.0533
Gm17	6314375	6314872 Gmdrm	hypo	CHH	-0.0296
Gm17	6324324	6325310 Gmdrm	hypo	CHH	-0.0457
Gm17	6333858	6334848 Gmdrm	hypo	CHH	-0.0738
Gm17	6345113	6346086 Gmdrm	hypo	CHH	-0.0193
Gm17	6347642	6348606 Gmdrm	hypo	CHH	-0.0216
Gm17	6361084	6362065 Gmdrm	hypo	CHH	-0.0372
Gm17	6362089	6363088 Gmdrm	hypo	CHH	-0.079
Gm17	6370359	6370671 Gmdrm	hypo	CHH	-0.0268
Gm17	6373900	6374900 Gmdrm	hypo	CHH	-0.0312
Gm17	6374905	6375902 Gmdrm	hypo	CHH	-0.0487
Gm17	6375911	6376565 Gmdrm	hypo	CHH	-0.0257

Gm17	6381379	6382376	Gmdrm	hypo	CHH	-0.1946
Gm17	6382382	6383314	Gmdrm	hypo	CHH	-0.0995
Gm17	6407096	6407413	Gmdrm	hypo	CHH	-0.0545
Gm17	6408635	6409633	Gmdrm	hypo	CHH	-0.014
Gm17	6418956	6419949	Gmdrm	hypo	CHH	-0.0473
Gm17	6419962	6420355	Gmdrm	hypo	CHH	-0.2118
Gm17	6425546	6426540	Gmdrm	hypo	CHH	-0.0183
Gm17	6438095	6439072	Gmdrm	hypo	CHH	-0.0249
Gm17	6455031	6455482	Gmdrm	hypo	CHH	-0.0742
Gm17	6455595	6456237	Gmdrm	hypo	CHH	-0.0533
Gm17	6459457	6460455	Gmdrm	hypo	CHH	-0.0532
Gm17	6467359	6468357	Gmdrm	hypo	CHH	-0.0138
Gm17	6471394	6472268	Gmdrm	hypo	CHH	-0.1229
Gm17	6472420	6473408	Gmdrm	hypo	CHH	-0.0724
Gm17	6479012	6480002	Gmdrm	hypo	CHH	-0.0474
Gm17	6488273	6489264	Gmdrm	hypo	CHH	-0.0276
Gm17	6499426	6500425	Gmdrm	hypo	CHH	-0.0153
Gm17	6501439	6502430	Gmdrm	hypo	CHH	-0.0206
Gm17	6504018	6504306	Gmdrm	hypo	CHH	-0.0753
Gm17	6507710	6508706	Gmdrm	hypo	CHH	-0.0421
Gm17	6508723	6509695	Gmdrm	hypo	CHH	-0.056
Gm17	6517235	6518222	Gmdrm	hypo	CHH	-0.023
Gm17	6518237	6519230	Gmdrm	hypo	CHH	-0.0898
Gm17	6519238	6520235	Gmdrm	hypo	CHH	-0.104
Gm17	6520245	6521237	Gmdrm	hypo	CHH	-0.0798
Gm17	6540148	6541145	Gmdrm	hypo	CHH	-0.1447
Gm17	6541150	6542118	Gmdrm	hypo	CHH	-0.1705
Gm17	6543630	6544630	Gmdrm	hypo	CHH	-0.0334
Gm17	6549577	6550572	Gmdrm	hypo	CHH	-0.0145
Gm17	6556138	6557125	Gmdrm	hypo	CHH	-0.0923
Gm17	6557142	6558142	Gmdrm	hypo	CHH	-0.0627
Gm17	6558143	6558605	Gmdrm	hypo	CHH	-0.0885
Gm17	6564836	6565836	Gmdrm	hypo	CHH	-0.0221
Gm17	6568293	6569292	Gmdrm	hypo	CHH	-0.0224
Gm17	6569299	6569419	Gmdrm	hypo	CHH	-0.5407
Gm17	6573443	6574413	Gmdrm	hypo	CHH	-0.0176
Gm17	6584235	6585231	Gmdrm	hypo	CHH	-0.173
Gm17	6585246	6585717	Gmdrm	hypo	CHH	-0.0328
Gm17	6588847	6589818	Gmdrm	hypo	CHH	-0.0136
Gm17	6604870	6605870	Gmdrm	hypo	CHH	-0.0224
Gm17	6612554	6613511	Gmdrm	hypo	CHH	-0.0135
Gm17	6618279	6619278	Gmdrm	hypo	CHH	-0.0808
Gm17	6619288	6620273	Gmdrm	hypo	CHH	-0.0864
Gm17	6632645	6633636	Gmdrm	hypo	CHH	-0.0123
Gm17	6639503	6640499	Gmdrm	hypo	CHH	-0.1572
Gm17	6640506	6640577	Gmdrm	hypo	CHH	-0.0483

Gm17	6647824	6648817 Gmdrm	hypo	CHH	-0.106
Gm17	6648827	6649742 Gmdrm	hypo	CHH	-0.0226
Gm17	6652865	6653854 Gmdrm	hypo	CHH	-0.0208
Gm17	6654871	6655870 Gmdrm	hypo	CHH	-0.0294
Gm17	6673512	6674501 Gmdrm	hypo	CHH	-0.0198
Gm17	6675522	6676133 Gmdrm	hypo	CHH	-0.0283
Gm17	6679302	6679970 Gmdrm	hypo	CHH	-0.0265
Gm17	6683175	6684096 Gmdrm	hypo	CHH	-0.0731
Gm17	6684178	6685178 Gmdrm	hypo	CHH	-0.1257
Gm17	6696286	6697265 Gmdrm	hypo	CHH	-0.0145
Gm17	6709899	6710892 Gmdrm	hypo	CHH	-0.045
Gm17	6714696	6715694 Gmdrm	hypo	CHH	-0.0558
Gm17	6715973	6716964 Gmdrm	hypo	CHH	-0.0589
Gm17	6719132	6720109 Gmdrm	hypo	CHH	-0.2493
Gm17	6722152	6723142 Gmdrm	hypo	CHH	-0.0162
Gm17	6724164	6725129 Gmdrm	hypo	CHH	-0.0649
Gm17	6728256	6729251 Gmdrm	hypo	CHH	-0.1069
Gm17	6729265	6729849 Gmdrm	hypo	CHH	-0.128
Gm17	6752203	6753201 Gmdrm	hypo	CHH	-0.0158
Gm17	6770240	6771211 Gmdrm	hypo	CHH	-0.1225
Gm17	6771250	6771629 Gmdrm	hypo	CHH	-0.0297
Gm17	6773587	6774562 Gmdrm	hypo	CHH	-0.0229
Gm17	6774592	6775589 Gmdrm	hypo	CHH	-0.021
Gm17	6782223	6782984 Gmdrm	hypo	CHH	-0.0298
Gm17	6791479	6792473 Gmdrm	hypo	CHH	-0.0408
Gm17	6795920	6796059 Gmdrm	hypo	CHH	-0.0422
Gm17	6800041	6801038 Gmdrm	hypo	CHH	-0.0979
Gm17	6801042	6801608 Gmdrm	hypo	CHH	-0.1598
Gm17	6805575	6806551 Gmdrm	hypo	CHH	-0.0418
Gm17	6807603	6807998 Gmdrm	hypo	CHH	-0.0271
Gm17	6809164	6810162 Gmdrm	hypo	CHH	-0.0619
Gm17	6810172	6811143 Gmdrm	hypo	CHH	-0.0236
Gm17	6815026	6815962 Gmdrm	hypo	CHH	-0.0475
Gm17	6819717	6820707 Gmdrm	hypo	CHH	-0.0316
Gm17	6827571	6828571 Gmdrm	hypo	CHH	-0.0438
Gm17	6828572	6829556 Gmdrm	hypo	CHH	-0.0807
Gm17	6855833	6855960 Gmdrm	hypo	CHH	-0.0378
Gm17	6862405	6863404 Gmdrm	hypo	CHH	-0.0267
Gm17	6863409	6864407 Gmdrm	hypo	CHH	-0.0547
Gm17	6865413	6866411 Gmdrm	hypo	CHH	-0.0181
Gm17	6866433	6867389 Gmdrm	hypo	CHH	-0.3104
Gm17	6868125	6868307 Gmdrm	hypo	CHH	-0.064
Gm17	6870524	6870875 Gmdrm	hypo	CHH	-0.0175
Gm17	6872030	6873030 Gmdrm	hypo	CHH	-0.0421
Gm17	6874046	6875031 Gmdrm	hypo	CHH	-0.0522
Gm17	6880120	6881112 Gmdrm	hypo	CHH	-0.3005

Gm17	6896560	6897546 Gmdrm	hypo	CHH	-0.1969
Gm17	6897583	6898565 Gmdrm	hypo	CHH	-0.0714
Gm17	6899612	6900609 Gmdrm	hypo	CHH	-0.2002
Gm17	6921392	6922389 Gmdrm	hypo	CHH	-0.0568
Gm17	6922407	6923398 Gmdrm	hypo	CHH	-0.0827
Gm17	6923423	6924267 Gmdrm	hypo	CHH	-0.1375
Gm17	6924576	6925576 Gmdrm	hypo	CHH	-0.1601
Gm17	6928732	6929330 Gmdrm	hypo	CHH	-0.0664
Gm17	6946820	6947809 Gmdrm	hypo	CHH	-0.0163
Gm17	6949877	6950822 Gmdrm	hypo	CHH	-0.0676
Gm17	6950883	6951871 Gmdrm	hypo	CHH	-0.0356
Gm17	6961284	6962277 Gmdrm	hypo	CHH	-0.0438
Gm17	6962286	6963284 Gmdrm	hypo	CHH	-0.1331
Gm17	6963288	6964286 Gmdrm	hypo	CHH	-0.2648
Gm17	6964307	6965294 Gmdrm	hypo	CHH	-0.0262
Gm17	6967380	6968350 Gmdrm	hypo	CHH	-0.153
Gm17	6968393	6969393 Gmdrm	hypo	CHH	-0.1791
Gm17	6969398	6970381 Gmdrm	hypo	CHH	-0.0152
Gm17	6973172	6974012 Gmdrm	hypo	CHH	-0.1064
Gm17	6983535	6984531 Gmdrm	hypo	CHH	-0.0432
Gm17	6984536	6985450 Gmdrm	hypo	CHH	-0.0772
Gm17	6994412	6995404 Gmdrm	hypo	CHH	-0.2731
Gm17	7008197	7009190 Gmdrm	hypo	CHH	-0.0455
Gm17	7015370	7016355 Gmdrm	hypo	CHH	-0.0193
Gm17	7023334	7024292 Gmdrm	hypo	CHH	-0.0416
Gm17	7032447	7033432 Gmdrm	hypo	CHH	-0.0419
Gm17	7034384	7034597 Gmdrm	hypo	CHH	-0.0429
Gm17	7041458	7042330 Gmdrm	hypo	CHH	-0.0185
Gm17	7052654	7053083 Gmdrm	hypo	CHH	-0.0325
Gm17	7055522	7056359 Gmdrm	hypo	CHH	-0.1144
Gm17	7056585	7057576 Gmdrm	hypo	CHH	-0.0364
Gm17	7057596	7058519 Gmdrm	hypo	CHH	-0.0709
Gm17	7079416	7079537 Gmdrm	hypo	CHH	-0.055
Gm17	7082808	7083807 Gmdrm	hypo	CHH	-0.1092
Gm17	7087880	7088860 Gmdrm	hypo	CHH	-0.1311
Gm17	7089947	7090931 Gmdrm	hypo	CHH	-0.0563
Gm17	7092954	7093775 Gmdrm	hypo	CHH	-0.0129
Gm17	7111892	7112891 Gmdrm	hypo	CHH	-0.0699
Gm17	7112895	7113879 Gmdrm	hypo	CHH	-0.1595
Gm17	7115255	7116243 Gmdrm	hypo	CHH	-0.0235
Gm17	7116286	7117283 Gmdrm	hypo	CHH	-0.0129
Gm17	7117295	7117638 Gmdrm	hypo	CHH	-0.0247
Gm17	7124919	7125917 Gmdrm	hypo	CHH	-0.021
Gm17	7130563	7130832 Gmdrm	hypo	CHH	-0.118
Gm17	7144384	7145361 Gmdrm	hypo	CHH	-0.0141
Gm17	7149717	7150704 Gmdrm	hypo	CHH	-0.0097

Gm17	7180497	7181497 Gmdrm	hypo	CHH	-0.0584
Gm17	7185635	7186623 Gmdrm	hypo	CHH	-0.0111
Gm17	7186636	7186969 Gmdrm	hypo	CHH	-0.1121
Gm17	7187196	7188195 Gmdrm	hypo	CHH	-0.018
Gm17	7201495	7202266 Gmdrm	hypo	CHH	-0.0506
Gm17	7202564	7203564 Gmdrm	hypo	CHH	-0.099
Gm17	7204593	7205592 Gmdrm	hypo	CHH	-0.0179
Gm17	7205598	7206594 Gmdrm	hypo	CHH	-0.0413
Gm17	7206605	7207128 Gmdrm	hypo	CHH	-0.0183
Gm17	7213347	7214335 Gmdrm	hypo	CHH	-0.1297
Gm17	7214349	7215346 Gmdrm	hypo	CHH	-0.1937
Gm17	7221963	7222954 Gmdrm	hypo	CHH	-0.1436
Gm17	7227289	7228111 Gmdrm	hypo	CHH	-0.0766
Gm17	7229252	7230225 Gmdrm	hypo	CHH	-0.1192
Gm17	7237350	7238336 Gmdrm	hypo	CHH	-0.0128
Gm17	7245776	7246769 Gmdrm	hypo	CHH	-0.0416
Gm17	7246786	7247783 Gmdrm	hypo	CHH	-0.1639
Gm17	7247791	7248788 Gmdrm	hypo	CHH	-0.21
Gm17	7250810	7251791 Gmdrm	hypo	CHH	-0.0941
Gm17	7255886	7256880 Gmdrm	hypo	CHH	-0.1778
Gm17	7256893	7257864 Gmdrm	hypo	CHH	-0.0372
Gm17	7263049	7264029 Gmdrm	hypo	CHH	-0.019
Gm17	7271270	7271971 Gmdrm	hypo	CHH	-0.0213
Gm17	7272360	7272542 Gmdrm	hypo	CHH	-0.06
Gm17	7279681	7280674 Gmdrm	hypo	CHH	-0.0485
Gm17	7285423	7286423 Gmdrm	hypo	CHH	-0.0423
Gm17	7286433	7287281 Gmdrm	hypo	CHH	-0.0166
Gm17	7290935	7291934 Gmdrm	hypo	CHH	-0.1106
Gm17	7291942	7292908 Gmdrm	hypo	CHH	-0.1091
Gm17	7295084	7296078 Gmdrm	hypo	CHH	-0.0162
Gm17	7296103	7297103 Gmdrm	hypo	CHH	-0.0553
Gm17	7297117	7297471 Gmdrm	hypo	CHH	-0.0706
Gm17	7302030	7303016 Gmdrm	hypo	CHH	-0.0169
Gm17	7306456	7307194 Gmdrm	hypo	CHH	-0.0257
Gm17	7308316	7309314 Gmdrm	hypo	CHH	-0.0462
Gm17	7312433	7313431 Gmdrm	hypo	CHH	-0.1036
Gm17	7313438	7314436 Gmdrm	hypo	CHH	-0.0971
Gm17	7314439	7314859 Gmdrm	hypo	CHH	-0.065
Gm17	7315137	7315937 Gmdrm	hypo	CHH	-0.1271
Gm17	7325031	7326010 Gmdrm	hypo	CHH	-0.1499
Gm17	7329683	7330090 Gmdrm	hypo	CHH	-0.0248
Gm17	7330252	7330963 Gmdrm	hypo	CHH	-0.0629
Gm17	7333127	7334092 Gmdrm	hypo	CHH	-0.0318
Gm17	7334133	7335122 Gmdrm	hypo	CHH	-0.0371
Gm17	7336222	7336485 Gmdrm	hypo	CHH	-0.1213
Gm17	7364892	7365185 Gmdrm	hypo	CHH	-0.0392

Gm17	7368606	7369605	Gmdrm	hypo	CHH	-0.1131
Gm17	7369612	7370611	Gmdrm	hypo	CHH	-0.1052
Gm17	7370613	7370892	Gmdrm	hypo	CHH	-0.072
Gm17	7400067	7401052	Gmdrm	hypo	CHH	-0.0144
Gm17	7426900	7427076	Gmdrm	hypo	CHH	-0.0364
Gm17	7441266	7442264	Gmdrm	hypo	CHH	-0.1577
Gm17	7449445	7450445	Gmdrm	hypo	CHH	-0.2694
Gm17	7450455	7451455	Gmdrm	hypo	CHH	-0.1852
Gm17	7476901	7477880	Gmdrm	hypo	CHH	-0.0153
Gm17	7484237	7485226	Gmdrm	hypo	CHH	-0.0273
Gm17	7515945	7516930	Gmdrm	hypo	CHH	-0.02
Gm17	7516950	7517720	Gmdrm	hypo	CHH	-0.0147
Gm17	7517828	7518072	Gmdrm	hypo	CHH	-0.0273
Gm17	7518202	7519133	Gmdrm	hypo	CHH	-0.1042
Gm17	7519248	7519924	Gmdrm	hypo	CHH	-0.0312
Gm17	7522826	7523823	Gmdrm	hypo	CHH	-0.027
Gm17	7523895	7524894	Gmdrm	hypo	CHH	-0.1406
Gm17	7530689	7531463	Gmdrm	hypo	CHH	-0.0484
Gm17	7531571	7532571	Gmdrm	hypo	CHH	-0.0233
Gm17	7532577	7533561	Gmdrm	hypo	CHH	-0.0414
Gm17	7561358	7562332	Gmdrm	hypo	CHH	-0.0292
Gm17	7574048	7574555	Gmdrm	hypo	CHH	-0.0282
Gm17	7577284	7578284	Gmdrm	hypo	CHH	-0.0603
Gm17	7578286	7579279	Gmdrm	hypo	CHH	-0.1226
Gm17	7579297	7580291	Gmdrm	hypo	CHH	-0.2389
Gm17	7584430	7585383	Gmdrm	hypo	CHH	-0.0155
Gm17	7587258	7588228	Gmdrm	hypo	CHH	-0.1004
Gm17	7593070	7594030	Gmdrm	hypo	CHH	-0.1391
Gm17	7594099	7595094	Gmdrm	hypo	CHH	-0.0863
Gm17	7595111	7596110	Gmdrm	hypo	CHH	-0.0621
Gm17	7606135	7607132	Gmdrm	hypo	CHH	-0.0242
Gm17	7615002	7615982	Gmdrm	hypo	CHH	-0.0165
Gm17	7622572	7623568	Gmdrm	hypo	CHH	-0.374
Gm17	7623579	7624578	Gmdrm	hypo	CHH	-0.1128
Gm17	7636400	7637322	Gmdrm	hypo	CHH	-0.1188
Gm17	7645611	7646608	Gmdrm	hypo	CHH	-0.017
Gm17	7656827	7657824	Gmdrm	hypo	CHH	-0.1208
Gm17	7657828	7658824	Gmdrm	hypo	CHH	-0.1407
Gm17	7658830	7659537	Gmdrm	hypo	CHH	-0.0487
Gm17	7664681	7665620	Gmdrm	hypo	CHH	-0.0136
Gm17	7674127	7675125	Gmdrm	hypo	CHH	-0.0677
Gm17	7685314	7686303	Gmdrm	hypo	CHH	-0.0354
Gm17	7698324	7699324	Gmdrm	hypo	CHH	-0.1171
Gm17	7699333	7700321	Gmdrm	hypo	CHH	-0.2013
Gm17	7700336	7701336	Gmdrm	hypo	CHH	-0.0748
Gm17	7701345	7702245	Gmdrm	hypo	CHH	-0.0368

Gm17	7703704	7704687 Gmdrm	hypo	CHH	-0.0133
Gm17	7706738	7707631 Gmdrm	hypo	CHH	-0.0185
Gm17	7710722	7711382 Gmdrm	hypo	CHH	-0.0948
Gm17	7716069	7716738 Gmdrm	hypo	CHH	-0.0156
Gm17	7716848	7717820 Gmdrm	hypo	CHH	-0.0165
Gm17	7717858	7718858 Gmdrm	hypo	CHH	-0.0557
Gm17	7718859	7719262 Gmdrm	hypo	CHH	-0.0807
Gm17	7738415	7739142 Gmdrm	hypo	CHH	-0.0386
Gm17	7739467	7740409 Gmdrm	hypo	CHH	-0.2068
Gm17	7742203	7742930 Gmdrm	hypo	CHH	-0.0138
Gm17	7747765	7748711 Gmdrm	hypo	CHH	-0.0199
Gm17	7749074	7749996 Gmdrm	hypo	CHH	-0.032
Gm17	7753069	7753917 Gmdrm	hypo	CHH	-0.0202
Gm17	7758071	7759056 Gmdrm	hypo	CHH	-0.0667
Gm17	7768893	7769184 Gmdrm	hypo	CHH	-0.0278
Gm17	7775364	7776361 Gmdrm	hypo	CHH	-0.0445
Gm17	7776365	7777365 Gmdrm	hypo	CHH	-0.1002
Gm17	7779472	7780398 Gmdrm	hypo	CHH	-0.0393
Gm17	7782802	7783791 Gmdrm	hypo	CHH	-0.0746
Gm17	7790291	7791206 Gmdrm	hypo	CHH	-0.0226
Gm17	7793440	7794429 Gmdrm	hypo	CHH	-0.0209
Gm17	7799584	7800464 Gmdrm	hypo	CHH	-0.0246
Gm17	7823477	7824466 Gmdrm	hypo	CHH	-0.0353
Gm17	7834883	7835780 Gmdrm	hypo	CHH	-0.0198
Gm17	7848127	7849116 Gmdrm	hypo	CHH	-0.016
Gm17	7873482	7874101 Gmdrm	hypo	CHH	-0.1014
Gm17	7881810	7882449 Gmdrm	hypo	CHH	-0.0289
Gm17	7894970	7895957 Gmdrm	hypo	CHH	-0.02
Gm17	7898006	7899006 Gmdrm	hypo	CHH	-0.0107
Gm17	7909229	7910223 Gmdrm	hypo	CHH	-0.0327
Gm17	7948067	7949063 Gmdrm	hypo	CHH	-0.0323
Gm17	7949071	7950059 Gmdrm	hypo	CHH	-0.1158
Gm17	7960022	7961015 Gmdrm	hypo	CHH	-0.2004
Gm17	7962034	7963012 Gmdrm	hypo	CHH	-0.0832
Gm17	7963035	7964010 Gmdrm	hypo	CHH	-0.012
Gm17	7964045	7964936 Gmdrm	hypo	CHH	-0.0198
Gm17	7973712	7974690 Gmdrm	hypo	CHH	-0.023
Gm17	7974714	7975705 Gmdrm	hypo	CHH	-0.0198
Gm17	7991223	7991799 Gmdrm	hypo	CHH	-0.0229
Gm17	8005143	8006132 Gmdrm	hypo	CHH	-0.014
Gm17	8006390	8006549 Gmdrm	hypo	CHH	-0.05
Gm17	8006987	8007986 Gmdrm	hypo	CHH	-0.0283
Gm17	8011023	8012020 Gmdrm	hypo	CHH	-0.0221
Gm17	8023254	8023938 Gmdrm	hypo	CHH	-0.0377
Gm17	8025950	8026662 Gmdrm	hypo	CHH	-0.0211
Gm17	8029071	8030065 Gmdrm	hypo	CHH	-0.0202

Gm17	8033550	8034158	Gmdrm	hypo	CHH	-0.0465
Gm17	8036330	8037313	Gmdrm	hypo	CHH	-0.0376
Gm17	8041086	8042083	Gmdrm	hypo	CHH	-0.0212
Gm17	8056071	8056205	Gmdrm	hypo	CHH	-0.128
Gm17	8059066	8060039	Gmdrm	hypo	CHH	-0.1503
Gm17	8068769	8069165	Gmdrm	hypo	CHH	-0.0609
Gm17	8069281	8070278	Gmdrm	hypo	CHH	-0.0657
Gm17	8070295	8071293	Gmdrm	hypo	CHH	-0.0454
Gm17	8072308	8073292	Gmdrm	hypo	CHH	-0.053
Gm17	8079002	8079997	Gmdrm	hypo	CHH	-0.3116
Gm17	8083689	8084689	Gmdrm	hypo	CHH	-0.0771
Gm17	8084691	8085622	Gmdrm	hypo	CHH	-0.0261
Gm17	8085710	8086506	Gmdrm	hypo	CHH	-0.0152
Gm17	8106654	8107644	Gmdrm	hypo	CHH	-0.1028
Gm17	8108661	8109636	Gmdrm	hypo	CHH	-0.0556
Gm17	8114035	8115011	Gmdrm	hypo	CHH	-0.26
Gm17	8123305	8124280	Gmdrm	hypo	CHH	-0.0185
Gm17	8144469	8145439	Gmdrm	hypo	CHH	-0.1189
Gm17	8146717	8146902	Gmdrm	hypo	CHH	-0.13
Gm17	8149637	8150630	Gmdrm	hypo	CHH	-0.1657
Gm17	8152677	8153668	Gmdrm	hypo	CHH	-0.0141
Gm17	8156429	8157426	Gmdrm	hypo	CHH	-0.1101
Gm17	8157433	8158431	Gmdrm	hypo	CHH	-0.0631
Gm17	8171172	8172164	Gmdrm	hypo	CHH	-0.0294
Gm17	8175550	8176528	Gmdrm	hypo	CHH	-0.0995
Gm17	8203635	8204626	Gmdrm	hypo	CHH	-0.0313
Gm17	8205711	8206703	Gmdrm	hypo	CHH	-0.0538
Gm17	8206714	8207304	Gmdrm	hypo	CHH	-0.0927
Gm17	8209678	8210663	Gmdrm	hypo	CHH	-0.254
Gm17	8229696	8230690	Gmdrm	hypo	CHH	-0.1191
Gm17	8237394	8238389	Gmdrm	hypo	CHH	-0.0171
Gm17	8255888	8256883	Gmdrm	hypo	CHH	-0.0149
Gm17	8257905	8258211	Gmdrm	hypo	CHH	-0.0316
Gm17	8267366	8268339	Gmdrm	hypo	CHH	-0.0292
Gm17	8282142	8282726	Gmdrm	hypo	CHH	-0.1903
Gm17	8282883	8282983	Gmdrm	hypo	CHH	-0.084
Gm17	8283656	8284643	Gmdrm	hypo	CHH	-0.0404
Gm17	8284679	8285647	Gmdrm	hypo	CHH	-0.0309
Gm17	8300017	8300848	Gmdrm	hypo	CHH	-0.0381
Gm17	8302009	8303005	Gmdrm	hypo	CHH	-0.0133
Gm17	8304376	8305374	Gmdrm	hypo	CHH	-0.0506
Gm17	8310172	8310547	Gmdrm	hypo	CHH	-0.0367
Gm17	8311708	8312708	Gmdrm	hypo	CHH	-0.0355
Gm17	8321063	8322063	Gmdrm	hypo	CHH	-0.1633
Gm17	8322074	8323058	Gmdrm	hypo	CHH	-0.1581
Gm17	8323082	8323633	Gmdrm	hypo	CHH	-0.0206

Gm17	8326142	8327142	Gmdrm	hypo	CHH	-0.0151
Gm17	8338214	8339213	Gmdrm	hypo	CHH	-0.1241
Gm17	8339217	8340148	Gmdrm	hypo	CHH	-0.1429
Gm17	8340240	8341210	Gmdrm	hypo	CHH	-0.0228
Gm17	8346800	8347773	Gmdrm	hypo	CHH	-0.0148
Gm17	8350288	8351266	Gmdrm	hypo	CHH	-0.0216
Gm17	8353550	8354550	Gmdrm	hypo	CHH	-0.0663
Gm17	8355590	8356505	Gmdrm	hypo	CHH	-0.0882
Gm17	8380359	8381350	Gmdrm	hypo	CHH	-0.1104
Gm17	8381408	8382040	Gmdrm	hypo	CHH	-0.0178
Gm17	8390054	8391044	Gmdrm	hypo	CHH	-0.0842
Gm17	8391059	8391250	Gmdrm	hypo	CHH	-0.0477
Gm17	8404402	8405393	Gmdrm	hypo	CHH	-0.0756
Gm17	8405405	8406405	Gmdrm	hypo	CHH	-0.0624
Gm17	8416224	8417100	Gmdrm	hypo	CHH	-0.0757
Gm17	8434494	8435458	Gmdrm	hypo	CHH	-0.0146
Gm17	8439683	8440672	Gmdrm	hypo	CHH	-0.0219
Gm17	8444371	8445104	Gmdrm	hypo	CHH	-0.0215
Gm17	8455652	8456647	Gmdrm	hypo	CHH	-0.1128
Gm17	8456682	8457678	Gmdrm	hypo	CHH	-0.0372
Gm17	8457732	8458704	Gmdrm	hypo	CHH	-0.0107
Gm17	8458744	8459744	Gmdrm	hypo	CHH	-0.1391
Gm17	8459747	8460728	Gmdrm	hypo	CHH	-0.0512
Gm17	8470975	8471186	Gmdrm	hypo	CHH	-0.0159
Gm17	8477817	8478804	Gmdrm	hypo	CHH	-0.107
Gm17	8507745	8508013	Gmdrm	hypo	CHH	-0.0265
Gm17	8513610	8513927	Gmdrm	hypo	CHH	-0.0219
Gm17	8518565	8519563	Gmdrm	hypo	CHH	-0.0329
Gm17	8519577	8520577	Gmdrm	hypo	CHH	-0.0593
Gm17	8520591	8521584	Gmdrm	hypo	CHH	-0.0237
Gm17	8528655	8529611	Gmdrm	hypo	CHH	-0.1268
Gm17	8532071	8533067	Gmdrm	hypo	CHH	-0.133
Gm17	8533075	8534065	Gmdrm	hypo	CHH	-0.0703
Gm17	8534078	8535060	Gmdrm	hypo	CHH	-0.169
Gm17	8537096	8538092	Gmdrm	hypo	CHH	-0.2195
Gm17	8542112	8543102	Gmdrm	hypo	CHH	-0.0158
Gm17	8550794	8551758	Gmdrm	hypo	CHH	-0.0201
Gm17	8563667	8564662	Gmdrm	hypo	CHH	-0.0134
Gm17	8571686	8572686	Gmdrm	hypo	CHH	-0.0198
Gm17	8582241	8583234	Gmdrm	hypo	CHH	-0.1006
Gm17	8583246	8584225	Gmdrm	hypo	CHH	-0.0271
Gm17	8607016	8608010	Gmdrm	hypo	CHH	-0.0281
Gm17	8613856	8614782	Gmdrm	hypo	CHH	-0.0262
Gm17	8615870	8616867	Gmdrm	hypo	CHH	-0.1156
Gm17	8616886	8617880	Gmdrm	hypo	CHH	-0.0914
Gm17	8617888	8618873	Gmdrm	hypo	CHH	-0.075

Gm17	8623999	8624822	Gmdrm	hypo	CHH	-0.1557
Gm17	8632353	8633350	Gmdrm	hypo	CHH	-0.016
Gm17	8646645	8647640	Gmdrm	hypo	CHH	-0.215
Gm17	8647648	8648636	Gmdrm	hypo	CHH	-0.0249
Gm17	8651084	8652029	Gmdrm	hypo	CHH	-0.021
Gm17	8660507	8661483	Gmdrm	hypo	CHH	-0.0296
Gm17	8693129	8693640	Gmdrm	hypo	CHH	-0.0159
Gm17	8695387	8696340	Gmdrm	hypo	CHH	-0.0224
Gm17	8704431	8705422	Gmdrm	hypo	CHH	-0.049
Gm17	8710025	8711025	Gmdrm	hypo	CHH	-0.014
Gm17	8712038	8712546	Gmdrm	hypo	CHH	-0.0261
Gm17	8714030	8715028	Gmdrm	hypo	CHH	-0.0145
Gm17	8717202	8718165	Gmdrm	hypo	CHH	-0.0141
Gm17	8718277	8719269	Gmdrm	hypo	CHH	-0.0141
Gm17	8730196	8731194	Gmdrm	hypo	CHH	-0.0326
Gm17	8733823	8734394	Gmdrm	hypo	CHH	-0.0154
Gm17	8749047	8749548	Gmdrm	hypo	CHH	-0.0382
Gm17	8763406	8764405	Gmdrm	hypo	CHH	-0.0166
Gm17	8769203	8770179	Gmdrm	hypo	CHH	-0.0145
Gm17	8784966	8785524	Gmdrm	hypo	CHH	-0.4643
Gm17	8785631	8786622	Gmdrm	hypo	CHH	-0.1849
Gm17	8787297	8788273	Gmdrm	hypo	CHH	-0.0196
Gm17	8788298	8789298	Gmdrm	hypo	CHH	-0.0742
Gm17	8789302	8790300	Gmdrm	hypo	CHH	-0.0247
Gm17	8792094	8793071	Gmdrm	hypo	CHH	-0.0147
Gm17	8795149	8796136	Gmdrm	hypo	CHH	-0.019
Gm17	8810027	8811012	Gmdrm	hypo	CHH	-0.018
Gm17	8812058	8813020	Gmdrm	hypo	CHH	-0.0132
Gm17	8815349	8816343	Gmdrm	hypo	CHH	-0.0889
Gm17	8816358	8816403	Gmdrm	hypo	CHH	-0.062
Gm17	8820028	8821012	Gmdrm	hypo	CHH	-0.0184
Gm17	8825380	8826328	Gmdrm	hypo	CHH	-0.2426
Gm17	8849236	8850202	Gmdrm	hypo	CHH	-0.0715
Gm17	8861094	8861499	Gmdrm	hypo	CHH	-0.0387
Gm17	8863449	8864440	Gmdrm	hypo	CHH	-0.0214
Gm17	8897120	8898102	Gmdrm	hypo	CHH	-0.0195
Gm17	8902161	8903159	Gmdrm	hypo	CHH	-0.0151
Gm17	8910997	8911994	Gmdrm	hypo	CHH	-0.044
Gm17	8931467	8932463	Gmdrm	hypo	CHH	-0.3516
Gm17	8933119	8934088	Gmdrm	hypo	CHH	-0.0145
Gm17	8934121	8935103	Gmdrm	hypo	CHH	-0.0608
Gm17	8935389	8936368	Gmdrm	hypo	CHH	-0.4141
Gm17	8937700	8938687	Gmdrm	hypo	CHH	-0.0956
Gm17	8938703	8939702	Gmdrm	hypo	CHH	-0.1294
Gm17	8949115	8949700	Gmdrm	hypo	CHH	-0.0463
Gm17	8949949	8950113	Gmdrm	hypo	CHH	-0.1334

Gm17	8950235	8950418 Gmdrm	hypo	CHH	-0.074
Gm17	8955638	8956613 Gmdrm	hypo	CHH	-0.0491
Gm17	8957727	8958725 Gmdrm	hypo	CHH	-0.2065
Gm17	8972411	8973395 Gmdrm	hypo	CHH	-0.0302
Gm17	8991951	8992926 Gmdrm	hypo	CHH	-0.0223
Gm17	9015482	9016465 Gmdrm	hypo	CHH	-0.0242
Gm17	9019529	9020520 Gmdrm	hypo	CHH	-0.0521
Gm17	9020534	9021531 Gmdrm	hypo	CHH	-0.0383
Gm17	9037326	9038315 Gmdrm	hypo	CHH	-0.0635
Gm17	9038330	9039323 Gmdrm	hypo	CHH	-0.0635
Gm17	9042423	9043128 Gmdrm	hypo	CHH	-0.0326
Gm17	9046266	9047212 Gmdrm	hypo	CHH	-0.0544
Gm17	9048202	9049202 Gmdrm	hypo	CHH	-0.0177
Gm17	9053851	9054566 Gmdrm	hypo	CHH	-0.0912
Gm17	9057129	9057972 Gmdrm	hypo	CHH	-0.0157
Gm17	9061742	9061929 Gmdrm	hypo	CHH	-0.0255
Gm17	9063109	9063285 Gmdrm	hypo	CHH	-0.0578
Gm17	9066795	9067793 Gmdrm	hypo	CHH	-0.0775
Gm17	9067798	9068796 Gmdrm	hypo	CHH	-0.1618
Gm17	9068802	9069778 Gmdrm	hypo	CHH	-0.0842
Gm17	9070829	9071747 Gmdrm	hypo	CHH	-0.0132
Gm17	9084726	9085714 Gmdrm	hypo	CHH	-0.0144
Gm17	9091276	9092276 Gmdrm	hypo	CHH	-0.0819
Gm17	9092285	9093280 Gmdrm	hypo	CHH	-0.0489
Gm17	9096687	9097226 Gmdrm	hypo	CHH	-0.024
Gm17	9097371	9098364 Gmdrm	hypo	CHH	-0.0258
Gm17	9098390	9098895 Gmdrm	hypo	CHH	-0.0295
Gm17	9104007	9105003 Gmdrm	hypo	CHH	-0.0695
Gm17	9106021	9107011 Gmdrm	hypo	CHH	-0.0325
Gm17	9109705	9110071 Gmdrm	hypo	CHH	-0.0436
Gm17	9126678	9127665 Gmdrm	hypo	CHH	-0.0484
Gm17	9127685	9128642 Gmdrm	hypo	CHH	-0.0269
Gm17	9130748	9131741 Gmdrm	hypo	CHH	-0.0662
Gm17	9140093	9140381 Gmdrm	hypo	CHH	-0.033
Gm17	9149376	9150337 Gmdrm	hypo	CHH	-0.0231
Gm17	9154742	9155725 Gmdrm	hypo	CHH	-0.0329
Gm17	9155750	9156706 Gmdrm	hypo	CHH	-0.0417
Gm17	9161044	9162012 Gmdrm	hypo	CHH	-0.0229
Gm17	9164921	9165915 Gmdrm	hypo	CHH	-0.0154
Gm17	9165965	9166960 Gmdrm	hypo	CHH	-0.0244
Gm17	9166967	9167965 Gmdrm	hypo	CHH	-0.13
Gm17	9167976	9168625 Gmdrm	hypo	CHH	-0.069
Gm17	9193459	9194442 Gmdrm	hypo	CHH	-0.039
Gm17	9194497	9195489 Gmdrm	hypo	CHH	-0.1298
Gm17	9208217	9209123 Gmdrm	hypo	CHH	-0.0273
Gm17	9209220	9210217 Gmdrm	hypo	CHH	-0.0128

Gm17	9214707	9214994 Gmdrm	hypo	CHH	-0.026
Gm17	9226768	9227766 Gmdrm	hypo	CHH	-0.3801
Gm17	9227772	9228352 Gmdrm	hypo	CHH	-0.1942
Gm17	9228626	9229423 Gmdrm	hypo	CHH	-0.0797
Gm17	9242026	9243026 Gmdrm	hypo	CHH	-0.028
Gm17	9276814	9277750 Gmdrm	hypo	CHH	-0.1468
Gm17	9283018	9284013 Gmdrm	hypo	CHH	-0.0317
Gm17	9285022	9286021 Gmdrm	hypo	CHH	-0.0533
Gm17	9286024	9287018 Gmdrm	hypo	CHH	-0.0193
Gm17	9290555	9291542 Gmdrm	hypo	CHH	-0.0223
Gm17	9294109	9295104 Gmdrm	hypo	CHH	-0.0132
Gm17	9310227	9311098 Gmdrm	hypo	CHH	-0.0133
Gm17	9313501	9314365 Gmdrm	hypo	CHH	-0.0623
Gm17	9318098	9319073 Gmdrm	hypo	CHH	-0.0113
Gm17	9352220	9353203 Gmdrm	hypo	CHH	-0.0119
Gm17	9367940	9368940 Gmdrm	hypo	CHH	-0.2009
Gm17	9368949	9369047 Gmdrm	hypo	CHH	-0.0869
Gm17	9373082	9374070 Gmdrm	hypo	CHH	-0.3282
Gm17	9374408	9375401 Gmdrm	hypo	CHH	-0.041
Gm17	9375419	9376411 Gmdrm	hypo	CHH	-0.0645
Gm17	9376422	9377398 Gmdrm	hypo	CHH	-0.0268
Gm17	9380524	9381519 Gmdrm	hypo	CHH	-0.0178
Gm17	9388829	9389823 Gmdrm	hypo	CHH	-0.0147
Gm17	9404747	9405700 Gmdrm	hypo	CHH	-0.0385
Gm17	9408052	9409048 Gmdrm	hypo	CHH	-0.0198
Gm17	9409058	9410055 Gmdrm	hypo	CHH	-0.0807
Gm17	9410060	9410636 Gmdrm	hypo	CHH	-0.0974
Gm17	9410779	9411453 Gmdrm	hypo	CHH	-0.2108
Gm17	9425957	9426511 Gmdrm	hypo	CHH	-0.0204
Gm17	9428540	9429528 Gmdrm	hypo	CHH	-0.0251
Gm17	9437486	9438480 Gmdrm	hypo	CHH	-0.0195
Gm17	9438493	9439488 Gmdrm	hypo	CHH	-0.1156
Gm17	9439499	9440494 Gmdrm	hypo	CHH	-0.0657
Gm17	9447088	9447433 Gmdrm	hypo	CHH	-0.0295
Gm17	9452819	9453781 Gmdrm	hypo	CHH	-0.0181
Gm17	9457099	9458099 Gmdrm	hypo	CHH	-0.0115
Gm17	9463455	9464422 Gmdrm	hypo	CHH	-0.1128
Gm17	9467876	9468867 Gmdrm	hypo	CHH	-0.2428
Gm17	9470942	9471940 Gmdrm	hypo	CHH	-0.0147
Gm17	9474018	9475005 Gmdrm	hypo	CHH	-0.0249
Gm17	9475022	9476011 Gmdrm	hypo	CHH	-0.0766
Gm17	9479599	9480583 Gmdrm	hypo	CHH	-0.0246
Gm17	9493208	9494201 Gmdrm	hypo	CHH	-0.0781
Gm17	9495544	9496537 Gmdrm	hypo	CHH	-0.031
Gm17	9496556	9496853 Gmdrm	hypo	CHH	-0.0308
Gm17	9502638	9503618 Gmdrm	hypo	CHH	-0.02

Gm17	9516285	9517284	Gmdrm	hypo	CHH	-0.0194
Gm17	9529296	9530296	Gmdrm	hypo	CHH	-0.2245
Gm17	9530302	9531294	Gmdrm	hypo	CHH	-0.0513
Gm17	9531318	9532288	Gmdrm	hypo	CHH	-0.032
Gm17	9532319	9533303	Gmdrm	hypo	CHH	-0.0404
Gm17	9533321	9534293	Gmdrm	hypo	CHH	-0.0778
Gm17	9534322	9535322	Gmdrm	hypo	CHH	-0.0133
Gm17	9536341	9537331	Gmdrm	hypo	CHH	-0.0189
Gm17	9537342	9538339	Gmdrm	hypo	CHH	-0.0612
Gm17	9538348	9539341	Gmdrm	hypo	CHH	-0.0616
Gm17	9539352	9540348	Gmdrm	hypo	CHH	-0.0133
Gm17	9546937	9547919	Gmdrm	hypo	CHH	-0.0178
Gm17	9547942	9548911	Gmdrm	hypo	CHH	-0.1946
Gm17	9548969	9549968	Gmdrm	hypo	CHH	-0.1916
Gm17	9549973	9550228	Gmdrm	hypo	CHH	-0.15
Gm17	9560858	9561847	Gmdrm	hypo	CHH	-0.0826
Gm17	9561865	9562825	Gmdrm	hypo	CHH	-0.0545
Gm17	9568362	9569356	Gmdrm	hypo	CHH	-0.1854
Gm17	9578636	9579401	Gmdrm	hypo	CHH	-0.0291
Gm17	9581999	9582278	Gmdrm	hypo	CHH	-0.0474
Gm17	9595397	9596397	Gmdrm	hypo	CHH	-0.023
Gm17	9599358	9600323	Gmdrm	hypo	CHH	-0.1231
Gm17	9600561	9601550	Gmdrm	hypo	CHH	-0.0224
Gm17	9611183	9612176	Gmdrm	hypo	CHH	-0.0656
Gm17	9612185	9613151	Gmdrm	hypo	CHH	-0.0812
Gm17	9616372	9617305	Gmdrm	hypo	CHH	-0.0154
Gm17	9622949	9623609	Gmdrm	hypo	CHH	-0.1583
Gm17	9627278	9628269	Gmdrm	hypo	CHH	-0.0129
Gm17	9631559	9632553	Gmdrm	hypo	CHH	-0.0448
Gm17	9632592	9633368	Gmdrm	hypo	CHH	-0.0177
Gm17	9643962	9644932	Gmdrm	hypo	CHH	-0.0715
Gm17	9644973	9645956	Gmdrm	hypo	CHH	-0.0766
Gm17	9645976	9646976	Gmdrm	hypo	CHH	-0.0615
Gm17	9646979	9647552	Gmdrm	hypo	CHH	-0.0465
Gm17	9652119	9653079	Gmdrm	hypo	CHH	-0.0149
Gm17	9691039	9691231	Gmdrm	hypo	CHH	-0.1804
Gm17	9718815	9719802	Gmdrm	hypo	CHH	-0.0194
Gm17	9741622	9741898	Gmdrm	hypo	CHH	-0.049
Gm17	9749079	9750075	Gmdrm	hypo	CHH	-0.0317
Gm17	9750577	9751569	Gmdrm	hypo	CHH	-0.0383
Gm17	9763417	9764410	Gmdrm	hypo	CHH	-0.1133
Gm17	9764421	9765259	Gmdrm	hypo	CHH	-0.0544
Gm17	9778399	9779389	Gmdrm	hypo	CHH	-0.0981
Gm17	9783689	9784687	Gmdrm	hypo	CHH	-0.0887
Gm17	9784690	9785690	Gmdrm	hypo	CHH	-0.06
Gm17	9785692	9786690	Gmdrm	hypo	CHH	-0.0398

Gm17	9792141	9793115 Gmdrm	hypo	CHH	-0.0278
Gm17	9797040	9798039 Gmdrm	hypo	CHH	-0.0227
Gm17	9822872	9823864 Gmdrm	hypo	CHH	-0.0388
Gm17	9823877	9824871 Gmdrm	hypo	CHH	-0.0945
Gm17	9824884	9825162 Gmdrm	hypo	CHH	-0.079
Gm17	9844375	9844937 Gmdrm	hypo	CHH	-0.0265
Gm17	9845357	9846357 Gmdrm	hypo	CHH	-0.0934
Gm17	9846363	9847346 Gmdrm	hypo	CHH	-0.0606
Gm17	9847370	9848344 Gmdrm	hypo	CHH	-0.013
Gm17	9859944	9860330 Gmdrm	hypo	CHH	-0.0269
Gm17	9860891	9861881 Gmdrm	hypo	CHH	-0.0378
Gm17	9864768	9865766 Gmdrm	hypo	CHH	-0.0284
Gm17	9886815	9887799 Gmdrm	hypo	CHH	-0.0198
Gm17	9901425	9901518 Gmdrm	hypo	CHH	-0.058
Gm17	9907127	9908122 Gmdrm	hypo	CHH	-0.0371
Gm17	9914641	9915634 Gmdrm	hypo	CHH	-0.0129
Gm17	9931536	9931580 Gmdrm	hypo	CHH	-0.042
Gm17	9936175	9937175 Gmdrm	hypo	CHH	-0.2405
Gm17	9941960	9942941 Gmdrm	hypo	CHH	-0.0136
Gm17	9958384	9958682 Gmdrm	hypo	CHH	-0.1182
Gm17	9970158	9970871 Gmdrm	hypo	CHH	-0.027
Gm17	9971990	9972967 Gmdrm	hypo	CHH	-0.1473
Gm17	9973703	9974702 Gmdrm	hypo	CHH	-0.0855
Gm17	9974708	9975657 Gmdrm	hypo	CHH	-0.0452
Gm17	9979252	9980238 Gmdrm	hypo	CHH	-0.027
Gm17	9980261	9981250 Gmdrm	hypo	CHH	-0.0233
Gm17	9987918	9988845 Gmdrm	hypo	CHH	-0.016
Gm17	9995992	9996766 Gmdrm	hypo	CHH	-0.062
Gm17	9997899	9998808 Gmdrm	hypo	CHH	-0.0395
Gm17	10003659	10004036 Gmdrm	hypo	CHH	-0.0246
Gm17	10006589	10007505 Gmdrm	hypo	CHH	-0.0116
Gm17	10016412	10017387 Gmdrm	hypo	CHH	-0.0719
Gm17	10017418	10018290 Gmdrm	hypo	CHH	-0.111
Gm17	10026953	10027921 Gmdrm	hypo	CHH	-0.0157
Gm17	10037167	10038166 Gmdrm	hypo	CHH	-0.1122
Gm17	10056688	10057668 Gmdrm	hypo	CHH	-0.0262
Gm17	10057770	10058712 Gmdrm	hypo	CHH	-0.0191
Gm17	10074905	10075905 Gmdrm	hypo	CHH	-0.0529
Gm17	10075906	10076900 Gmdrm	hypo	CHH	-0.0706
Gm17	10077909	10078421 Gmdrm	hypo	CHH	-0.0622
Gm17	10080149	10081145 Gmdrm	hypo	CHH	-0.4729
Gm17	10081150	10082120 Gmdrm	hypo	CHH	-0.0217
Gm17	10085299	10086295 Gmdrm	hypo	CHH	-0.1079
Gm17	10086304	10087300 Gmdrm	hypo	CHH	-0.0927
Gm17	10103701	10104688 Gmdrm	hypo	CHH	-0.0295
Gm17	10105813	10106802 Gmdrm	hypo	CHH	-0.0224

Gm17	10124211	10125197	Gmdrm	hypo	CHH	-0.0141
Gm17	10126249	10127223	Gmdrm	hypo	CHH	-0.0169
Gm17	10131133	10132125	Gmdrm	hypo	CHH	-0.1108
Gm17	10134827	10135800	Gmdrm	hypo	CHH	-0.0264
Gm17	10135837	10136834	Gmdrm	hypo	CHH	-0.0385
Gm17	10136841	10137835	Gmdrm	hypo	CHH	-0.0395
Gm17	10137849	10138845	Gmdrm	hypo	CHH	-0.0161
Gm17	10141908	10142901	Gmdrm	hypo	CHH	-0.0173
Gm17	10142912	10143640	Gmdrm	hypo	CHH	-0.0169
Gm17	10144446	10145445	Gmdrm	hypo	CHH	-0.0419
Gm17	10146486	10147459	Gmdrm	hypo	CHH	-0.1149
Gm17	10149367	10150332	Gmdrm	hypo	CHH	-0.2184
Gm17	10189025	10190019	Gmdrm	hypo	CHH	-0.0383
Gm17	10190028	10191011	Gmdrm	hypo	CHH	-0.1091
Gm17	10193082	10194068	Gmdrm	hypo	CHH	-0.0261
Gm17	10196552	10197517	Gmdrm	hypo	CHH	-0.0137
Gm17	10197585	10198576	Gmdrm	hypo	CHH	-0.0127
Gm17	10203360	10204349	Gmdrm	hypo	CHH	-0.0275
Gm17	10208723	10209715	Gmdrm	hypo	CHH	-0.0447
Gm17	10210760	10211758	Gmdrm	hypo	CHH	-0.1033
Gm17	10211793	10212784	Gmdrm	hypo	CHH	-0.0283
Gm17	10212814	10213409	Gmdrm	hypo	CHH	-0.059
Gm17	10233396	10234387	Gmdrm	hypo	CHH	-0.0257
Gm17	10234436	10235293	Gmdrm	hypo	CHH	-0.088
Gm17	10236440	10237419	Gmdrm	hypo	CHH	-0.0169
Gm17	10239392	10240389	Gmdrm	hypo	CHH	-0.0418
Gm17	10253701	10254689	Gmdrm	hypo	CHH	-0.0338
Gm17	10254704	10255700	Gmdrm	hypo	CHH	-0.0264
Gm17	10257722	10258713	Gmdrm	hypo	CHH	-0.0539
Gm17	10260760	10261212	Gmdrm	hypo	CHH	-0.0253
Gm17	10273087	10274077	Gmdrm	hypo	CHH	-0.0206
Gm17	10280455	10281450	Gmdrm	hypo	CHH	-0.064
Gm17	10281462	10282461	Gmdrm	hypo	CHH	-0.0287
Gm17	10287584	10288536	Gmdrm	hypo	CHH	-0.0214
Gm17	10291132	10292111	Gmdrm	hypo	CHH	-0.0179
Gm17	10297166	10298154	Gmdrm	hypo	CHH	-0.0164
Gm17	10308650	10309608	Gmdrm	hypo	CHH	-0.0353
Gm17	10330107	10331095	Gmdrm	hypo	CHH	-0.0875
Gm17	10333209	10334209	Gmdrm	hypo	CHH	-0.1282
Gm17	10334212	10335169	Gmdrm	hypo	CHH	-0.0907
Gm17	10336279	10337246	Gmdrm	hypo	CHH	-0.0234
Gm17	10349002	10349959	Gmdrm	hypo	CHH	-0.0285
Gm17	10351318	10352316	Gmdrm	hypo	CHH	-0.0134
Gm17	10355750	10356747	Gmdrm	hypo	CHH	-0.1308
Gm17	10356751	10357749	Gmdrm	hypo	CHH	-0.1921
Gm17	10368811	10369810	Gmdrm	hypo	CHH	-0.0652

Gm17	10373825	10374806	Gmdrm	hypo	CHH	-0.0553
Gm17	10378579	10379573	Gmdrm	hypo	CHH	-0.037
Gm17	10389169	10390166	Gmdrm	hypo	CHH	-0.0476
Gm17	10390176	10391164	Gmdrm	hypo	CHH	-0.0285
Gm17	10392874	10393863	Gmdrm	hypo	CHH	-0.0461
Gm17	10393879	10394853	Gmdrm	hypo	CHH	-0.0838
Gm17	10399779	10400754	Gmdrm	hypo	CHH	-0.0383
Gm17	10400801	10401801	Gmdrm	hypo	CHH	-0.2198
Gm17	10401802	10402195	Gmdrm	hypo	CHH	-0.1319
Gm17	10403376	10404371	Gmdrm	hypo	CHH	-0.0144
Gm17	10413532	10414531	Gmdrm	hypo	CHH	-0.0659
Gm17	10414543	10415504	Gmdrm	hypo	CHH	-0.132
Gm17	10415545	10416532	Gmdrm	hypo	CHH	-0.0311
Gm17	10424329	10425118	Gmdrm	hypo	CHH	-0.3454
Gm17	10425555	10426551	Gmdrm	hypo	CHH	-0.0385
Gm17	10429404	10430397	Gmdrm	hypo	CHH	-0.0185
Gm17	10440801	10440934	Gmdrm	hypo	CHH	-0.106
Gm17	10468310	10469278	Gmdrm	hypo	CHH	-0.1593
Gm17	10476166	10477165	Gmdrm	hypo	CHH	-0.2362
Gm17	10478171	10479105	Gmdrm	hypo	CHH	-0.1262
Gm17	10480171	10481027	Gmdrm	hypo	CHH	-0.0179
Gm17	10507860	10508849	Gmdrm	hypo	CHH	-0.0395
Gm17	10516046	10517032	Gmdrm	hypo	CHH	-0.0147
Gm17	10517068	10518056	Gmdrm	hypo	CHH	-0.0565
Gm17	10520111	10520848	Gmdrm	hypo	CHH	-0.0251
Gm17	10520956	10521323	Gmdrm	hypo	CHH	-0.04
Gm17	10522818	10523816	Gmdrm	hypo	CHH	-0.012
Gm17	10529004	10529998	Gmdrm	hypo	CHH	-0.2166
Gm17	10534243	10535241	Gmdrm	hypo	CHH	-0.0729
Gm17	10535246	10536246	Gmdrm	hypo	CHH	-0.0452
Gm17	10546383	10547370	Gmdrm	hypo	CHH	-0.2531
Gm17	10547384	10548371	Gmdrm	hypo	CHH	-0.1836
Gm17	10558748	10559738	Gmdrm	hypo	CHH	-0.0345
Gm17	10566654	10567654	Gmdrm	hypo	CHH	-0.0341
Gm17	10568730	10569725	Gmdrm	hypo	CHH	-0.0142
Gm17	10571410	10572402	Gmdrm	hypo	CHH	-0.0449
Gm17	10574281	10575241	Gmdrm	hypo	CHH	-0.0975
Gm17	10580858	10581844	Gmdrm	hypo	CHH	-0.0603
Gm17	10581864	10582845	Gmdrm	hypo	CHH	-0.0474
Gm17	10600420	10601415	Gmdrm	hypo	CHH	-0.1451
Gm17	10607325	10608157	Gmdrm	hypo	CHH	-0.0975
Gm17	10608408	10609408	Gmdrm	hypo	CHH	-0.0672
Gm17	10609426	10609962	Gmdrm	hypo	CHH	-0.0285
Gm17	10610611	10611268	Gmdrm	hypo	CHH	-0.0241
Gm17	10626536	10627534	Gmdrm	hypo	CHH	-0.0851
Gm17	10627537	10628519	Gmdrm	hypo	CHH	-0.0889

Gm17	10630851	10631639	Gmdrm	hypo	CHH	-0.3482
Gm17	10631751	10632751	Gmdrm	hypo	CHH	-0.0416
Gm17	10632754	10633754	Gmdrm	hypo	CHH	-0.1088
Gm17	10633755	10634748	Gmdrm	hypo	CHH	-0.0657
Gm17	10645241	10646222	Gmdrm	hypo	CHH	-0.1113
Gm17	10648267	10648881	Gmdrm	hypo	CHH	-0.0566
Gm17	10656602	10657511	Gmdrm	hypo	CHH	-0.0188
Gm17	10657853	10658056	Gmdrm	hypo	CHH	-0.0605
Gm17	10658158	10659156	Gmdrm	hypo	CHH	-0.0581
Gm17	10659166	10660162	Gmdrm	hypo	CHH	-0.0337
Gm17	10670626	10671379	Gmdrm	hypo	CHH	-0.079
Gm17	10671492	10672489	Gmdrm	hypo	CHH	-0.022
Gm17	10691299	10692280	Gmdrm	hypo	CHH	-0.0509
Gm17	10695046	10696041	Gmdrm	hypo	CHH	-0.0366
Gm17	10697052	10697959	Gmdrm	hypo	CHH	-0.0573
Gm17	10708166	10709163	Gmdrm	hypo	CHH	-0.0306
Gm17	10709185	10710179	Gmdrm	hypo	CHH	-0.0892
Gm17	10713911	10714856	Gmdrm	hypo	CHH	-0.0174
Gm17	10721642	10722628	Gmdrm	hypo	CHH	-0.0248
Gm17	10722643	10723580	Gmdrm	hypo	CHH	-0.0146
Gm17	10724828	10725828	Gmdrm	hypo	CHH	-0.0264
Gm17	10726841	10727839	Gmdrm	hypo	CHH	-0.0633
Gm17	10727844	10728839	Gmdrm	hypo	CHH	-0.0958
Gm17	10749186	10750160	Gmdrm	hypo	CHH	-0.1425
Gm17	10750195	10751155	Gmdrm	hypo	CHH	-0.0954
Gm17	10753858	10754855	Gmdrm	hypo	CHH	-0.0198
Gm17	10756880	10757867	Gmdrm	hypo	CHH	-0.0124
Gm17	10757893	10758480	Gmdrm	hypo	CHH	-0.0473
Gm17	10769919	10770344	Gmdrm	hypo	CHH	-0.0498
Gm17	10770452	10771451	Gmdrm	hypo	CHH	-0.0265
Gm17	10773502	10774498	Gmdrm	hypo	CHH	-0.0682
Gm17	10775204	10776197	Gmdrm	hypo	CHH	-0.0749
Gm17	10777979	10778977	Gmdrm	hypo	CHH	-0.1271
Gm17	10781986	10782982	Gmdrm	hypo	CHH	-0.0159
Gm17	10785145	10786123	Gmdrm	hypo	CHH	-0.0281
Gm17	10787279	10788242	Gmdrm	hypo	CHH	-0.0134
Gm17	10790303	10791301	Gmdrm	hypo	CHH	-0.1256
Gm17	10791310	10792308	Gmdrm	hypo	CHH	-0.0751
Gm17	10792316	10792637	Gmdrm	hypo	CHH	-0.0855
Gm17	10793118	10794118	Gmdrm	hypo	CHH	-0.0189
Gm17	10801055	10802054	Gmdrm	hypo	CHH	-0.1472
Gm17	10802056	10803052	Gmdrm	hypo	CHH	-0.1105
Gm17	10803058	10804058	Gmdrm	hypo	CHH	-0.1385
Gm17	10804061	10805060	Gmdrm	hypo	CHH	-0.1622
Gm17	10805062	10806053	Gmdrm	hypo	CHH	-0.1367
Gm17	10806070	10807060	Gmdrm	hypo	CHH	-0.0195

Gm17	10811975	10812963	Gmdrm	hypo	CHH	-0.0789
Gm17	10812979	10813967	Gmdrm	hypo	CHH	-0.1221
Gm17	10815696	10815873	Gmdrm	hypo	CHH	-0.0344
Gm17	10820121	10821102	Gmdrm	hypo	CHH	-0.1802
Gm17	10821131	10822121	Gmdrm	hypo	CHH	-0.0145
Gm17	10822151	10823136	Gmdrm	hypo	CHH	-0.0191
Gm17	10823160	10824147	Gmdrm	hypo	CHH	-0.0311
Gm17	10832915	10833911	Gmdrm	hypo	CHH	-0.198
Gm17	10833916	10834911	Gmdrm	hypo	CHH	-0.1343
Gm17	10834923	10835923	Gmdrm	hypo	CHH	-0.0287
Gm17	10835926	10836328	Gmdrm	hypo	CHH	-0.0294
Gm17	10836528	10837528	Gmdrm	hypo	CHH	-0.0928
Gm17	10837529	10838509	Gmdrm	hypo	CHH	-0.0467
Gm17	10840560	10841524	Gmdrm	hypo	CHH	-0.0137
Gm17	10847619	10848602	Gmdrm	hypo	CHH	-0.0222
Gm17	10850766	10850918	Gmdrm	hypo	CHH	-0.0324
Gm17	10855207	10856183	Gmdrm	hypo	CHH	-0.0411
Gm17	10866152	10867130	Gmdrm	hypo	CHH	-0.1216
Gm17	10877345	10878301	Gmdrm	hypo	CHH	-0.2198
Gm17	10878377	10879368	Gmdrm	hypo	CHH	-0.0633
Gm17	10883915	10884872	Gmdrm	hypo	CHH	-0.0368
Gm17	10910667	10911631	Gmdrm	hypo	CHH	-0.0325
Gm17	10917722	10918716	Gmdrm	hypo	CHH	-0.0347
Gm17	10931426	10932411	Gmdrm	hypo	CHH	-0.0157
Gm17	10941328	10942322	Gmdrm	hypo	CHH	-0.0533
Gm17	10942329	10943274	Gmdrm	hypo	CHH	-0.0781
Gm17	10962339	10963331	Gmdrm	hypo	CHH	-0.0384
Gm17	10966132	10967132	Gmdrm	hypo	CHH	-0.111
Gm17	10970243	10970285	Gmdrm	hypo	CHH	-0.0371
Gm17	10971762	10972755	Gmdrm	hypo	CHH	-0.0192
Gm17	10972765	10973763	Gmdrm	hypo	CHH	-0.1361
Gm17	10973775	10974767	Gmdrm	hypo	CHH	-0.1457
Gm17	10979141	10980140	Gmdrm	hypo	CHH	-0.0216
Gm17	10988485	10989473	Gmdrm	hypo	CHH	-0.0169
Gm17	10989522	10990519	Gmdrm	hypo	CHH	-0.0246
Gm17	10997208	10997978	Gmdrm	hypo	CHH	-0.04
Gm17	11002638	11003633	Gmdrm	hypo	CHH	-0.0234
Gm17	11003693	11004688	Gmdrm	hypo	CHH	-0.1072
Gm17	11004703	11005488	Gmdrm	hypo	CHH	-0.1448
Gm17	11010013	11010599	Gmdrm	hypo	CHH	-0.0143
Gm17	11032911	11033909	Gmdrm	hypo	CHH	-0.1705
Gm17	11033913	11034163	Gmdrm	hypo	CHH	-0.2155
Gm17	11035838	11036803	Gmdrm	hypo	CHH	-0.0406
Gm17	11038466	11039408	Gmdrm	hypo	CHH	-0.3717
Gm17	11041359	11042316	Gmdrm	hypo	CHH	-0.0158
Gm17	11068700	11069685	Gmdrm	hypo	CHH	-0.3594

Gm17	11072578	11073574	Gmdrm	hypo	CHH	-0.0769
Gm17	11080186	11081186	Gmdrm	hypo	CHH	-0.0684
Gm17	11081193	11081375	Gmdrm	hypo	CHH	-0.1662
Gm17	11081502	11082502	Gmdrm	hypo	CHH	-0.0848
Gm17	11086610	11087608	Gmdrm	hypo	CHH	-0.0212
Gm17	11087611	11088608	Gmdrm	hypo	CHH	-0.0504
Gm17	11088613	11089003	Gmdrm	hypo	CHH	-0.0228
Gm17	11106764	11107760	Gmdrm	hypo	CHH	-0.0273
Gm17	11121669	11122651	Gmdrm	hypo	CHH	-0.0592
Gm17	11125574	11126569	Gmdrm	hypo	CHH	-0.0183
Gm17	11139260	11140259	Gmdrm	hypo	CHH	-0.0504
Gm17	11140263	11141232	Gmdrm	hypo	CHH	-0.0629
Gm17	11141272	11142270	Gmdrm	hypo	CHH	-0.0425
Gm17	11142284	11143284	Gmdrm	hypo	CHH	-0.0709
Gm17	11148507	11148985	Gmdrm	hypo	CHH	-0.0192
Gm17	11150158	11150794	Gmdrm	hypo	CHH	-0.0413
Gm17	11155435	11155566	Gmdrm	hypo	CHH	-0.0364
Gm17	11161646	11162645	Gmdrm	hypo	CHH	-0.0241
Gm17	11162649	11163649	Gmdrm	hypo	CHH	-0.0431
Gm17	11169523	11170239	Gmdrm	hypo	CHH	-0.0314
Gm17	11171098	11172089	Gmdrm	hypo	CHH	-0.034
Gm17	11172100	11173077	Gmdrm	hypo	CHH	-0.1785
Gm17	11176815	11177533	Gmdrm	hypo	CHH	-0.0669
Gm17	11201510	11202508	Gmdrm	hypo	CHH	-0.0583
Gm17	11204539	11205504	Gmdrm	hypo	CHH	-0.0137
Gm17	11211266	11212259	Gmdrm	hypo	CHH	-0.4045
Gm17	11231199	11232156	Gmdrm	hypo	CHH	-0.0265
Gm17	11236250	11237199	Gmdrm	hypo	CHH	-0.018
Gm17	11243157	11243851	Gmdrm	hypo	CHH	-0.1499
Gm17	11244758	11245700	Gmdrm	hypo	CHH	-0.0242
Gm17	11245792	11246792	Gmdrm	hypo	CHH	-0.1354
Gm17	11246796	11247749	Gmdrm	hypo	CHH	-0.0553
Gm17	11248299	11249163	Gmdrm	hypo	CHH	-0.1356
Gm17	11253033	11254021	Gmdrm	hypo	CHH	-0.2514
Gm17	11269002	11270001	Gmdrm	hypo	CHH	-0.0423
Gm17	11271011	11271992	Gmdrm	hypo	CHH	-0.0609
Gm17	11282862	11283821	Gmdrm	hypo	CHH	-0.049
Gm17	11283880	11284851	Gmdrm	hypo	CHH	-0.0129
Gm17	11299648	11300636	Gmdrm	hypo	CHH	-0.0166
Gm17	11318803	11319800	Gmdrm	hypo	CHH	-0.0167
Gm17	11324398	11325392	Gmdrm	hypo	CHH	-0.0594
Gm17	11325399	11326394	Gmdrm	hypo	CHH	-0.2198
Gm17	11326402	11327389	Gmdrm	hypo	CHH	-0.1551
Gm17	11327415	11327640	Gmdrm	hypo	CHH	-0.0733
Gm17	11334831	11335129	Gmdrm	hypo	CHH	-0.0164
Gm17	11338505	11339504	Gmdrm	hypo	CHH	-0.0469

Gm17	11339793	11340783	Gmdrm	hypo	CHH	-0.0315
Gm17	11342987	11343975	Gmdrm	hypo	CHH	-0.0155
Gm17	11344024	11345008	Gmdrm	hypo	CHH	-0.0172
Gm17	11347284	11347791	Gmdrm	hypo	CHH	-0.0216
Gm17	11358091	11359080	Gmdrm	hypo	CHH	-0.1166
Gm17	11361176	11361860	Gmdrm	hypo	CHH	-0.0341
Gm17	11372094	11373079	Gmdrm	hypo	CHH	-0.011
Gm17	11376766	11376889	Gmdrm	hypo	CHH	-0.0753
Gm17	11389033	11390028	Gmdrm	hypo	CHH	-0.0297
Gm17	11412048	11412873	Gmdrm	hypo	CHH	-0.0402
Gm17	11415155	11416148	Gmdrm	hypo	CHH	-0.11
Gm17	11416158	11417158	Gmdrm	hypo	CHH	-0.132
Gm17	11425352	11426345	Gmdrm	hypo	CHH	-0.0508
Gm17	11427635	11428630	Gmdrm	hypo	CHH	-0.0176
Gm17	11434054	11435044	Gmdrm	hypo	CHH	-0.0174
Gm17	11437904	11438894	Gmdrm	hypo	CHH	-0.0421
Gm17	11440729	11441727	Gmdrm	hypo	CHH	-0.2305
Gm17	11441730	11442702	Gmdrm	hypo	CHH	-0.0297
Gm17	11445873	11446864	Gmdrm	hypo	CHH	-0.0524
Gm17	11447656	11448648	Gmdrm	hypo	CHH	-0.1689
Gm17	11449664	11450193	Gmdrm	hypo	CHH	-0.0234
Gm17	11458162	11459158	Gmdrm	hypo	CHH	-0.0231
Gm17	11463160	11464128	Gmdrm	hypo	CHH	-0.2035
Gm17	11465175	11466173	Gmdrm	hypo	CHH	-0.2344
Gm17	11466182	11467182	Gmdrm	hypo	CHH	-0.2921
Gm17	11472163	11473155	Gmdrm	hypo	CHH	-0.0196
Gm17	11482748	11483734	Gmdrm	hypo	CHH	-0.1768
Gm17	11485762	11486735	Gmdrm	hypo	CHH	-0.029
Gm17	11495972	11496948	Gmdrm	hypo	CHH	-0.0171
Gm17	11498181	11498965	Gmdrm	hypo	CHH	-0.0282
Gm17	11515308	11516301	Gmdrm	hypo	CHH	-0.0486
Gm17	11517177	11518172	Gmdrm	hypo	CHH	-0.0605
Gm17	11521195	11521781	Gmdrm	hypo	CHH	-0.0408
Gm17	11525977	11526784	Gmdrm	hypo	CHH	-0.0175
Gm17	11536121	11537121	Gmdrm	hypo	CHH	-0.0793
Gm17	11537125	11538124	Gmdrm	hypo	CHH	-0.0594
Gm17	11547941	11548918	Gmdrm	hypo	CHH	-0.0568
Gm17	11553669	11554582	Gmdrm	hypo	CHH	-0.018
Gm17	11556405	11557394	Gmdrm	hypo	CHH	-0.0192
Gm17	11560393	11561390	Gmdrm	hypo	CHH	-0.1444
Gm17	11561676	11562616	Gmdrm	hypo	CHH	-0.1087
Gm17	11569092	11569546	Gmdrm	hypo	CHH	-0.0174
Gm17	11574344	11575329	Gmdrm	hypo	CHH	-0.0302
Gm17	11582988	11583985	Gmdrm	hypo	CHH	-0.0356
Gm17	11586031	11586998	Gmdrm	hypo	CHH	-0.0811
Gm17	11594358	11595157	Gmdrm	hypo	CHH	-0.0214

Gm17	11597854	11598833	Gmdrm	hypo	CHH	-0.0243
Gm17	11602327	11603294	Gmdrm	hypo	CHH	-0.0177
Gm17	11603834	11604834	Gmdrm	hypo	CHH	-0.0178
Gm17	11607680	11608676	Gmdrm	hypo	CHH	-0.1155
Gm17	11609689	11610687	Gmdrm	hypo	CHH	-0.2847
Gm17	11630730	11631722	Gmdrm	hypo	CHH	-0.0126
Gm17	11631741	11632708	Gmdrm	hypo	CHH	-0.0253
Gm17	11640101	11641098	Gmdrm	hypo	CHH	-0.0336
Gm17	11641330	11642322	Gmdrm	hypo	CHH	-0.0155
Gm17	11642339	11643339	Gmdrm	hypo	CHH	-0.0095
Gm17	11655363	11656347	Gmdrm	hypo	CHH	-0.0161
Gm17	11660352	11661339	Gmdrm	hypo	CHH	-0.0145
Gm17	11662838	11662892	Gmdrm	hypo	CHH	-0.05
Gm17	11681677	11682671	Gmdrm	hypo	CHH	-0.0874
Gm17	11683710	11684709	Gmdrm	hypo	CHH	-0.0179
Gm17	11707754	11708753	Gmdrm	hypo	CHH	-0.1064
Gm17	11708759	11709725	Gmdrm	hypo	CHH	-0.0206
Gm17	11723922	11724891	Gmdrm	hypo	CHH	-0.0415
Gm17	11725177	11726158	Gmdrm	hypo	CHH	-0.0131
Gm17	11726182	11727164	Gmdrm	hypo	CHH	-0.1091
Gm17	11739205	11740199	Gmdrm	hypo	CHH	-0.0847
Gm17	11744432	11744903	Gmdrm	hypo	CHH	-0.0614
Gm17	11745387	11745678	Gmdrm	hypo	CHH	-0.0383
Gm17	11746974	11747973	Gmdrm	hypo	CHH	-0.0339
Gm17	11747976	11748962	Gmdrm	hypo	CHH	-0.0314
Gm17	11752536	11753535	Gmdrm	hypo	CHH	-0.047
Gm17	11755719	11756132	Gmdrm	hypo	CHH	-0.0259
Gm17	11756289	11757280	Gmdrm	hypo	CHH	-0.0991
Gm17	11761424	11762410	Gmdrm	hypo	CHH	-0.0133
Gm17	11777367	11778363	Gmdrm	hypo	CHH	-0.0752
Gm17	11778389	11779387	Gmdrm	hypo	CHH	-0.0395
Gm17	11779396	11780337	Gmdrm	hypo	CHH	-0.0495
Gm17	11780697	11781686	Gmdrm	hypo	CHH	-0.0252
Gm17	11781703	11782700	Gmdrm	hypo	CHH	-0.0449
Gm17	11783711	11784697	Gmdrm	hypo	CHH	-0.0176
Gm17	11784729	11785205	Gmdrm	hypo	CHH	-0.0217
Gm17	11786279	11787257	Gmdrm	hypo	CHH	-0.0168
Gm17	11792849	11793843	Gmdrm	hypo	CHH	-0.0295
Gm17	11793851	11794767	Gmdrm	hypo	CHH	-0.0329
Gm17	11795857	11796853	Gmdrm	hypo	CHH	-0.0375
Gm17	11800906	11801904	Gmdrm	hypo	CHH	-0.0444
Gm17	11801907	11802055	Gmdrm	hypo	CHH	-0.0408
Gm17	11807207	11807395	Gmdrm	hypo	CHH	-0.032
Gm17	11807721	11808475	Gmdrm	hypo	CHH	-0.0268
Gm17	11813026	11813561	Gmdrm	hypo	CHH	-0.1309
Gm17	11813679	11814414	Gmdrm	hypo	CHH	-0.047

Gm17	11814631	11815125	Gmdrm	hypo	CHH	-0.0189
Gm17	11818549	11819547	Gmdrm	hypo	CHH	-0.0496
Gm17	11819563	11820563	Gmdrm	hypo	CHH	-0.1141
Gm17	11820565	11821544	Gmdrm	hypo	CHH	-0.0322
Gm17	11821566	11821829	Gmdrm	hypo	CHH	-0.0206
Gm17	11826576	11827561	Gmdrm	hypo	CHH	-0.0313
Gm17	11828994	11829981	Gmdrm	hypo	CHH	-0.0124
Gm17	11832039	11832445	Gmdrm	hypo	CHH	-0.0516
Gm17	11838679	11839668	Gmdrm	hypo	CHH	-0.2017
Gm17	11846128	11847108	Gmdrm	hypo	CHH	-0.0216
Gm17	11847149	11848143	Gmdrm	hypo	CHH	-0.0329
Gm17	11849167	11850166	Gmdrm	hypo	CHH	-0.0879
Gm17	11850168	11851165	Gmdrm	hypo	CHH	-0.0662
Gm17	11851171	11852164	Gmdrm	hypo	CHH	-0.04
Gm17	11853359	11854348	Gmdrm	hypo	CHH	-0.1539
Gm17	11854373	11855370	Gmdrm	hypo	CHH	-0.1232
Gm17	11856618	11857603	Gmdrm	hypo	CHH	-0.0752
Gm17	11857622	11858622	Gmdrm	hypo	CHH	-0.075
Gm17	11858635	11859627	Gmdrm	hypo	CHH	-0.0356
Gm17	11865688	11866673	Gmdrm	hypo	CHH	-0.0241
Gm17	11867707	11868702	Gmdrm	hypo	CHH	-0.0795
Gm17	11868713	11868915	Gmdrm	hypo	CHH	-0.0675
Gm17	11869056	11870053	Gmdrm	hypo	CHH	-0.0906
Gm17	11871104	11871590	Gmdrm	hypo	CHH	-0.0575
Gm17	11871724	11872721	Gmdrm	hypo	CHH	-0.0788
Gm17	11872728	11873711	Gmdrm	hypo	CHH	-0.0714
Gm17	11878633	11879623	Gmdrm	hypo	CHH	-0.0607
Gm17	11879638	11879991	Gmdrm	hypo	CHH	-0.0974
Gm17	11880999	11881999	Gmdrm	hypo	CHH	-0.1855
Gm17	11882004	11882588	Gmdrm	hypo	CHH	-0.2438
Gm17	11882709	11883697	Gmdrm	hypo	CHH	-0.0208
Gm17	11892340	11893036	Gmdrm	hypo	CHH	-0.0897
Gm17	11894236	11895220	Gmdrm	hypo	CHH	-0.0144
Gm17	11902910	11903910	Gmdrm	hypo	CHH	-0.0136
Gm17	11905360	11906357	Gmdrm	hypo	CHH	-0.0168
Gm17	11906363	11907362	Gmdrm	hypo	CHH	-0.0488
Gm17	11907365	11908049	Gmdrm	hypo	CHH	-0.0425
Gm17	11912031	11913025	Gmdrm	hypo	CHH	-0.079
Gm17	11927309	11928309	Gmdrm	hypo	CHH	-0.0479
Gm17	11929077	11930076	Gmdrm	hypo	CHH	-0.0202
Gm17	11932858	11933852	Gmdrm	hypo	CHH	-0.0261
Gm17	11933867	11934857	Gmdrm	hypo	CHH	-0.0372
Gm17	11952669	11953664	Gmdrm	hypo	CHH	-0.0167
Gm17	11953912	11954856	Gmdrm	hypo	CHH	-0.0257
Gm17	11963082	11964080	Gmdrm	hypo	CHH	-0.0306
Gm17	11965107	11966097	Gmdrm	hypo	CHH	-0.0258

Gm17	11967115	11968076	Gmdrm	hypo	CHH	-0.0453
Gm17	11975181	11976167	Gmdrm	hypo	CHH	-0.1094
Gm17	11976757	11977756	Gmdrm	hypo	CHH	-0.0263
Gm17	11977760	11978760	Gmdrm	hypo	CHH	-0.0751
Gm17	11978763	11979358	Gmdrm	hypo	CHH	-0.1014
Gm17	11981808	11982799	Gmdrm	hypo	CHH	-0.0276
Gm17	11989388	11990067	Gmdrm	hypo	CHH	-0.0189
Gm17	12017177	12017334	Gmdrm	hypo	CHH	-0.065
Gm17	12018232	12019229	Gmdrm	hypo	CHH	-0.0932
Gm17	12019234	12020205	Gmdrm	hypo	CHH	-0.0713
Gm17	12029312	12030310	Gmdrm	hypo	CHH	-0.0683
Gm17	12030315	12031309	Gmdrm	hypo	CHH	-0.0312
Gm17	12037012	12038010	Gmdrm	hypo	CHH	-0.0119
Gm17	12039039	12039988	Gmdrm	hypo	CHH	-0.0278
Gm17	12040052	12041052	Gmdrm	hypo	CHH	-0.0223
Gm17	12047084	12048083	Gmdrm	hypo	CHH	-0.0291
Gm17	12048096	12049085	Gmdrm	hypo	CHH	-0.0273
Gm17	12051460	12051933	Gmdrm	hypo	CHH	-0.0372
Gm17	12066059	12067051	Gmdrm	hypo	CHH	-0.0756
Gm17	12067067	12067937	Gmdrm	hypo	CHH	-0.0485
Gm17	12083866	12084865	Gmdrm	hypo	CHH	-0.0986
Gm17	12084871	12085866	Gmdrm	hypo	CHH	-0.0359
Gm17	12093558	12094122	Gmdrm	hypo	CHH	-0.02
Gm17	12096937	12097930	Gmdrm	hypo	CHH	-0.037
Gm17	12097967	12098832	Gmdrm	hypo	CHH	-0.0574
Gm17	12141243	12142243	Gmdrm	hypo	CHH	-0.0405
Gm17	12146278	12147251	Gmdrm	hypo	CHH	-0.0519
Gm17	12154048	12155032	Gmdrm	hypo	CHH	-0.0522
Gm17	12155060	12155814	Gmdrm	hypo	CHH	-0.1148
Gm17	12166901	12167897	Gmdrm	hypo	CHH	-0.0649
Gm17	12167911	12168908	Gmdrm	hypo	CHH	-0.0702
Gm17	12169785	12170370	Gmdrm	hypo	CHH	-0.0477
Gm17	12173570	12174562	Gmdrm	hypo	CHH	-0.022
Gm17	12174578	12175558	Gmdrm	hypo	CHH	-0.0317
Gm17	12181814	12181951	Gmdrm	hypo	CHH	-0.04
Gm17	12183117	12183272	Gmdrm	hypo	CHH	-0.056
Gm17	12222517	12223501	Gmdrm	hypo	CHH	-0.0609
Gm17	12223521	12224520	Gmdrm	hypo	CHH	-0.038
Gm17	12228108	12229101	Gmdrm	hypo	CHH	-0.0787
Gm17	12229122	12229487	Gmdrm	hypo	CHH	-0.5074
Gm17	12230153	12230276	Gmdrm	hypo	CHH	-0.055
Gm17	12236511	12237505	Gmdrm	hypo	CHH	-0.2097
Gm17	12237512	12238509	Gmdrm	hypo	CHH	-0.0521
Gm17	12241593	12242591	Gmdrm	hypo	CHH	-0.0335
Gm17	12242613	12243612	Gmdrm	hypo	CHH	-0.0506
Gm17	12248362	12249344	Gmdrm	hypo	CHH	-0.0933

Gm17	12249365	12250364	Gmdrm	hypo	CHH	-0.0292
Gm17	12252455	12253446	Gmdrm	hypo	CHH	-0.0949
Gm17	12253465	12254448	Gmdrm	hypo	CHH	-0.0895
Gm17	12254473	12255454	Gmdrm	hypo	CHH	-0.0359
Gm17	12255475	12256470	Gmdrm	hypo	CHH	-0.0447
Gm17	12257505	12258486	Gmdrm	hypo	CHH	-0.0308
Gm17	12258561	12259523	Gmdrm	hypo	CHH	-0.0175
Gm17	12266513	12267128	Gmdrm	hypo	CHH	-0.0183
Gm17	12273954	12274939	Gmdrm	hypo	CHH	-0.0651
Gm17	12274956	12275741	Gmdrm	hypo	CHH	-0.04
Gm17	12289955	12290952	Gmdrm	hypo	CHH	-0.046
Gm17	12298192	12298335	Gmdrm	hypo	CHH	-0.116
Gm17	12298552	12299409	Gmdrm	hypo	CHH	-0.1213
Gm17	12315581	12315908	Gmdrm	hypo	CHH	-0.0179
Gm17	12322624	12323509	Gmdrm	hypo	CHH	-0.0803
Gm17	12323632	12324622	Gmdrm	hypo	CHH	-0.0169
Gm17	12324658	12325650	Gmdrm	hypo	CHH	-0.054
Gm17	12325680	12326676	Gmdrm	hypo	CHH	-0.0268
Gm17	12326681	12327681	Gmdrm	hypo	CHH	-0.0416
Gm17	12328697	12329580	Gmdrm	hypo	CHH	-0.0168
Gm17	12329681	12329829	Gmdrm	hypo	CHH	-0.0631
Gm17	12334069	12335045	Gmdrm	hypo	CHH	-0.0111
Gm17	12335078	12336054	Gmdrm	hypo	CHH	-0.0551
Gm17	12341042	12341978	Gmdrm	hypo	CHH	-0.0229
Gm17	12343507	12344492	Gmdrm	hypo	CHH	-0.0205
Gm17	12344512	12345512	Gmdrm	hypo	CHH	-0.1166
Gm17	12345520	12346518	Gmdrm	hypo	CHH	-0.0527
Gm17	12346521	12346638	Gmdrm	hypo	CHH	-0.1132
Gm17	12351675	12352667	Gmdrm	hypo	CHH	-0.0437
Gm17	12357098	12358056	Gmdrm	hypo	CHH	-0.1078
Gm17	12366314	12367313	Gmdrm	hypo	CHH	-0.1373
Gm17	12367315	12368305	Gmdrm	hypo	CHH	-0.1104
Gm17	12368319	12369268	Gmdrm	hypo	CHH	-0.0543
Gm17	12369322	12370303	Gmdrm	hypo	CHH	-0.1419
Gm17	12381051	12382044	Gmdrm	hypo	CHH	-0.0218
Gm17	12390378	12391377	Gmdrm	hypo	CHH	-0.0135
Gm17	12399234	12400211	Gmdrm	hypo	CHH	-0.138
Gm17	12404414	12405412	Gmdrm	hypo	CHH	-0.062
Gm17	12415989	12416972	Gmdrm	hypo	CHH	-0.0205
Gm17	12416990	12417984	Gmdrm	hypo	CHH	-0.0557
Gm17	12417992	12418972	Gmdrm	hypo	CHH	-0.0297
Gm17	12419001	12419999	Gmdrm	hypo	CHH	-0.0161
Gm17	12421037	12421215	Gmdrm	hypo	CHH	-0.0318
Gm17	12424421	12425368	Gmdrm	hypo	CHH	-0.0351
Gm17	12457306	12457623	Gmdrm	hypo	CHH	-0.1117
Gm17	12457752	12458743	Gmdrm	hypo	CHH	-0.0793

Gm17	12460898	12461309	Gmdrm	hypo	CHH	-0.0853
Gm17	12471047	12472039	Gmdrm	hypo	CHH	-0.0275
Gm17	12472396	12473389	Gmdrm	hypo	CHH	-0.0149
Gm17	12478745	12479738	Gmdrm	hypo	CHH	-0.0161
Gm17	12481825	12482813	Gmdrm	hypo	CHH	-0.0146
Gm17	12482873	12483857	Gmdrm	hypo	CHH	-0.0114
Gm17	12483899	12484790	Gmdrm	hypo	CHH	-0.0258
Gm17	12492437	12493043	Gmdrm	hypo	CHH	-0.0514
Gm17	12497818	12498705	Gmdrm	hypo	CHH	-0.0283
Gm17	12503108	12504044	Gmdrm	hypo	CHH	-0.0123
Gm17	12511250	12512249	Gmdrm	hypo	CHH	-0.0569
Gm17	12512256	12513251	Gmdrm	hypo	CHH	-0.0435
Gm17	12517198	12518198	Gmdrm	hypo	CHH	-0.0273
Gm17	12525267	12526259	Gmdrm	hypo	CHH	-0.0557
Gm17	12530271	12531190	Gmdrm	hypo	CHH	-0.013
Gm17	12548888	12549861	Gmdrm	hypo	CHH	-0.0161
Gm17	12550932	12551925	Gmdrm	hypo	CHH	-0.0188
Gm17	12560509	12561442	Gmdrm	hypo	CHH	-0.0235
Gm17	12569110	12570089	Gmdrm	hypo	CHH	-0.0171
Gm17	12573933	12574929	Gmdrm	hypo	CHH	-0.0764
Gm17	12575951	12576946	Gmdrm	hypo	CHH	-0.055
Gm17	12580908	12581861	Gmdrm	hypo	CHH	-0.0575
Gm17	12594108	12594892	Gmdrm	hypo	CHH	-0.0344
Gm17	12604962	12605946	Gmdrm	hypo	CHH	-0.016
Gm17	12607011	12608001	Gmdrm	hypo	CHH	-0.0489
Gm17	12610667	12611659	Gmdrm	hypo	CHH	-0.0474
Gm17	12620780	12621772	Gmdrm	hypo	CHH	-0.0221
Gm17	12624781	12625764	Gmdrm	hypo	CHH	-0.0189
Gm17	12626690	12627675	Gmdrm	hypo	CHH	-0.0126
Gm17	12633407	12634406	Gmdrm	hypo	CHH	-0.126
Gm17	12634442	12635421	Gmdrm	hypo	CHH	-0.0395
Gm17	12635455	12636438	Gmdrm	hypo	CHH	-0.0198
Gm17	12636471	12637462	Gmdrm	hypo	CHH	-0.0235
Gm17	12637485	12638482	Gmdrm	hypo	CHH	-0.0312
Gm17	12661745	12662745	Gmdrm	hypo	CHH	-0.0866
Gm17	12662750	12663488	Gmdrm	hypo	CHH	-0.0368
Gm17	12668168	12669164	Gmdrm	hypo	CHH	-0.1443
Gm17	12672815	12673443	Gmdrm	hypo	CHH	-0.1243
Gm17	12673821	12674818	Gmdrm	hypo	CHH	-0.0353
Gm17	12679013	12680012	Gmdrm	hypo	CHH	-0.0549
Gm17	12703185	12704144	Gmdrm	hypo	CHH	-0.0388
Gm17	12704191	12705188	Gmdrm	hypo	CHH	-0.0522
Gm17	12720770	12721769	Gmdrm	hypo	CHH	-0.0549
Gm17	12727522	12728495	Gmdrm	hypo	CHH	-0.0298
Gm17	12728525	12729265	Gmdrm	hypo	CHH	-0.043
Gm17	12729661	12730646	Gmdrm	hypo	CHH	-0.0684

Gm17	12732702	12733683	Gmdrm	hypo	CHH	-0.0359
Gm17	12742085	12743082	Gmdrm	hypo	CHH	-0.1389
Gm17	12759269	12760241	Gmdrm	hypo	CHH	-0.0205
Gm17	12782803	12783792	Gmdrm	hypo	CHH	-0.0713
Gm17	12787044	12788017	Gmdrm	hypo	CHH	-0.0755
Gm17	12788063	12789040	Gmdrm	hypo	CHH	-0.05
Gm17	12789084	12790045	Gmdrm	hypo	CHH	-0.0167
Gm17	12794314	12795249	Gmdrm	hypo	CHH	-0.0397
Gm17	12804729	12805332	Gmdrm	hypo	CHH	-0.0334
Gm17	12809794	12810782	Gmdrm	hypo	CHH	-0.1028
Gm17	12812822	12813817	Gmdrm	hypo	CHH	-0.0649
Gm17	12824583	12825582	Gmdrm	hypo	CHH	-0.0269
Gm17	12833289	12834270	Gmdrm	hypo	CHH	-0.0502
Gm17	12834297	12835277	Gmdrm	hypo	CHH	-0.0603
Gm17	12844646	12845642	Gmdrm	hypo	CHH	-0.207
Gm17	12845680	12846674	Gmdrm	hypo	CHH	-0.0565
Gm17	12846705	12847695	Gmdrm	hypo	CHH	-0.1209
Gm17	12854164	12855119	Gmdrm	hypo	CHH	-0.0422
Gm17	12855677	12856664	Gmdrm	hypo	CHH	-0.1118
Gm17	12858775	12859775	Gmdrm	hypo	CHH	-0.1119
Gm17	12859784	12860770	Gmdrm	hypo	CHH	-0.0744
Gm17	12860791	12861790	Gmdrm	hypo	CHH	-0.0455
Gm17	12867817	12868810	Gmdrm	hypo	CHH	-0.0698
Gm17	12881807	12882044	Gmdrm	hypo	CHH	-0.0778
Gm17	12886114	12887112	Gmdrm	hypo	CHH	-0.1878
Gm17	12887116	12888110	Gmdrm	hypo	CHH	-0.045
Gm17	12900025	12901016	Gmdrm	hypo	CHH	-0.0152
Gm17	12903059	12904037	Gmdrm	hypo	CHH	-0.0287
Gm17	12904061	12905047	Gmdrm	hypo	CHH	-0.0147
Gm17	12913633	12914622	Gmdrm	hypo	CHH	-0.0678
Gm17	12916475	12916946	Gmdrm	hypo	CHH	-0.1061
Gm17	12917657	12918492	Gmdrm	hypo	CHH	-0.2366
Gm17	12922765	12923761	Gmdrm	hypo	CHH	-0.0219
Gm17	12931377	12932374	Gmdrm	hypo	CHH	-0.017
Gm17	12935594	12936570	Gmdrm	hypo	CHH	-0.0259
Gm17	12937980	12938979	Gmdrm	hypo	CHH	-0.0163
Gm17	12938987	12939981	Gmdrm	hypo	CHH	-0.0549
Gm17	12940010	12940654	Gmdrm	hypo	CHH	-0.0495
Gm17	12947191	12948184	Gmdrm	hypo	CHH	-0.0327
Gm17	12948211	12949192	Gmdrm	hypo	CHH	-0.0365
Gm17	12952505	12953503	Gmdrm	hypo	CHH	-0.0284
Gm17	12970446	12971438	Gmdrm	hypo	CHH	-0.0108
Gm17	12971465	12972462	Gmdrm	hypo	CHH	-0.0105
Gm17	12974428	12975384	Gmdrm	hypo	CHH	-0.0882
Gm17	12975434	12976431	Gmdrm	hypo	CHH	-0.0551
Gm17	12978421	12979409	Gmdrm	hypo	CHH	-0.0803

Gm17	12979429	12980424	Gmdrm	hypo	CHH	-0.0488
Gm17	12982284	12983272	Gmdrm	hypo	CHH	-0.0387
Gm17	12990697	12991695	Gmdrm	hypo	CHH	-0.0957
Gm17	13001560	13002560	Gmdrm	hypo	CHH	-0.0333
Gm17	13002562	13003541	Gmdrm	hypo	CHH	-0.0286
Gm17	13003565	13004555	Gmdrm	hypo	CHH	-0.0488
Gm17	13019572	13020439	Gmdrm	hypo	CHH	-0.0325
Gm17	13021594	13022593	Gmdrm	hypo	CHH	-0.1204
Gm17	13022596	13023574	Gmdrm	hypo	CHH	-0.0606
Gm17	13026892	13027890	Gmdrm	hypo	CHH	-0.0295
Gm17	13028909	13029899	Gmdrm	hypo	CHH	-0.0362
Gm17	13029917	13030911	Gmdrm	hypo	CHH	-0.0334
Gm17	13031924	13032922	Gmdrm	hypo	CHH	-0.0344
Gm17	13032926	13033912	Gmdrm	hypo	CHH	-0.0294
Gm17	13033929	13034804	Gmdrm	hypo	CHH	-0.0353
Gm17	13045920	13046917	Gmdrm	hypo	CHH	-0.1326
Gm17	13046926	13047920	Gmdrm	hypo	CHH	-0.1514
Gm17	13047937	13048910	Gmdrm	hypo	CHH	-0.0567
Gm17	13048940	13049931	Gmdrm	hypo	CHH	-0.0755
Gm17	13051972	13052663	Gmdrm	hypo	CHH	-0.0262
Gm17	13058886	13059881	Gmdrm	hypo	CHH	-0.0128
Gm17	13060909	13061152	Gmdrm	hypo	CHH	-0.0387
Gm17	13062283	13063274	Gmdrm	hypo	CHH	-0.0846
Gm17	13070507	13071489	Gmdrm	hypo	CHH	-0.115
Gm17	13073548	13073912	Gmdrm	hypo	CHH	-0.0477
Gm17	13081399	13082394	Gmdrm	hypo	CHH	-0.0987
Gm17	13082404	13083391	Gmdrm	hypo	CHH	-0.0477
Gm17	13085225	13086215	Gmdrm	hypo	CHH	-0.0259
Gm17	13086238	13087238	Gmdrm	hypo	CHH	-0.0162
Gm17	13087240	13088238	Gmdrm	hypo	CHH	-0.0349
Gm17	13100495	13101494	Gmdrm	hypo	CHH	-0.0185
Gm17	13101497	13102466	Gmdrm	hypo	CHH	-0.289
Gm17	13110989	13111981	Gmdrm	hypo	CHH	-0.0829
Gm17	13112599	13113597	Gmdrm	hypo	CHH	-0.079
Gm17	13113600	13114593	Gmdrm	hypo	CHH	-0.0743
Gm17	13115648	13116610	Gmdrm	hypo	CHH	-0.0155
Gm17	13118583	13119573	Gmdrm	hypo	CHH	-0.0188
Gm17	13119586	13120580	Gmdrm	hypo	CHH	-0.0565
Gm17	13128304	13129303	Gmdrm	hypo	CHH	-0.0363
Gm17	13147099	13148086	Gmdrm	hypo	CHH	-0.0425
Gm17	13148103	13149091	Gmdrm	hypo	CHH	-0.0229
Gm17	13150134	13151094	Gmdrm	hypo	CHH	-0.0376
Gm17	13159964	13160963	Gmdrm	hypo	CHH	-0.0852
Gm17	13160966	13161963	Gmdrm	hypo	CHH	-0.0618
Gm17	13161976	13162964	Gmdrm	hypo	CHH	-0.1172
Gm17	13162994	13163970	Gmdrm	hypo	CHH	-0.0552

Gm17	13181778	13182778	Gmdrm	hypo	CHH	-0.0765
Gm17	13194842	13195835	Gmdrm	hypo	CHH	-0.0144
Gm17	13204184	13205183	Gmdrm	hypo	CHH	-0.0425
Gm17	13205186	13206185	Gmdrm	hypo	CHH	-0.0606
Gm17	13225090	13226090	Gmdrm	hypo	CHH	-0.0394
Gm17	13236164	13236401	Gmdrm	hypo	CHH	-0.026
Gm17	13236502	13237502	Gmdrm	hypo	CHH	-0.0198
Gm17	13239594	13240421	Gmdrm	hypo	CHH	-0.328
Gm17	13249738	13250713	Gmdrm	hypo	CHH	-0.0375
Gm17	13259055	13259653	Gmdrm	hypo	CHH	-0.0378
Gm17	13259755	13260753	Gmdrm	hypo	CHH	-0.1306
Gm17	13267850	13268244	Gmdrm	hypo	CHH	-0.0329
Gm17	13268349	13269344	Gmdrm	hypo	CHH	-0.038
Gm17	13271372	13272369	Gmdrm	hypo	CHH	-0.0785
Gm17	13272377	13272666	Gmdrm	hypo	CHH	-0.0508
Gm17	13277321	13277575	Gmdrm	hypo	CHH	-0.1038
Gm17	13291794	13292476	Gmdrm	hypo	CHH	-0.0762
Gm17	13293532	13293661	Gmdrm	hypo	CHH	-0.0372
Gm17	13306939	13307694	Gmdrm	hypo	CHH	-0.212
Gm17	13314996	13315992	Gmdrm	hypo	CHH	-0.1265
Gm17	13315997	13316974	Gmdrm	hypo	CHH	-0.1942
Gm17	13318734	13319734	Gmdrm	hypo	CHH	-0.0403
Gm17	13319738	13320727	Gmdrm	hypo	CHH	-0.0432
Gm17	13326519	13327517	Gmdrm	hypo	CHH	-0.1074
Gm17	13327520	13328134	Gmdrm	hypo	CHH	-0.1704
Gm17	13328249	13329236	Gmdrm	hypo	CHH	-0.1015
Gm17	13329252	13330247	Gmdrm	hypo	CHH	-0.113
Gm17	13334173	13335167	Gmdrm	hypo	CHH	-0.0132
Gm17	13337156	13338107	Gmdrm	hypo	CHH	-0.0303
Gm17	13340836	13341522	Gmdrm	hypo	CHH	-0.082
Gm17	13341657	13341968	Gmdrm	hypo	CHH	-0.0719
Gm17	13343072	13344069	Gmdrm	hypo	CHH	-0.0451
Gm17	13344079	13345068	Gmdrm	hypo	CHH	-0.0788
Gm17	13347460	13348459	Gmdrm	hypo	CHH	-0.0131
Gm17	13348469	13348760	Gmdrm	hypo	CHH	-0.0258
Gm17	13352759	13353757	Gmdrm	hypo	CHH	-0.0748
Gm17	13362075	13363069	Gmdrm	hypo	CHH	-0.1059
Gm17	13363077	13363269	Gmdrm	hypo	CHH	-0.0411
Gm17	13363378	13364377	Gmdrm	hypo	CHH	-0.031
Gm17	13364392	13365373	Gmdrm	hypo	CHH	-0.0284
Gm17	13386012	13386994	Gmdrm	hypo	CHH	-0.0509
Gm17	13387013	13388013	Gmdrm	hypo	CHH	-0.0771
Gm17	13388014	13388974	Gmdrm	hypo	CHH	-0.0627
Gm17	13392303	13392784	Gmdrm	hypo	CHH	-0.0308
Gm17	13399035	13400027	Gmdrm	hypo	CHH	-0.1137
Gm17	13413982	13414977	Gmdrm	hypo	CHH	-0.0311

Gm17	13429621	13430593	Gmdrm	hypo	CHH	-0.0821
Gm17	13430819	13431665	Gmdrm	hypo	CHH	-0.0181
Gm17	13444800	13445792	Gmdrm	hypo	CHH	-0.1188
Gm17	13448589	13449570	Gmdrm	hypo	CHH	-0.0616
Gm17	13465415	13466352	Gmdrm	hypo	CHH	-0.0373
Gm17	13466416	13467405	Gmdrm	hypo	CHH	-0.1173
Gm17	13467420	13468416	Gmdrm	hypo	CHH	-0.0283
Gm17	13469472	13470455	Gmdrm	hypo	CHH	-0.0455
Gm17	13470482	13471482	Gmdrm	hypo	CHH	-0.1954
Gm17	13480731	13481669	Gmdrm	hypo	CHH	-0.0247
Gm17	13484215	13485125	Gmdrm	hypo	CHH	-0.0157
Gm17	13505012	13506004	Gmdrm	hypo	CHH	-0.0548
Gm17	13506019	13506216	Gmdrm	hypo	CHH	-0.0337
Gm17	13519237	13520231	Gmdrm	hypo	CHH	-0.0182
Gm17	13520241	13520451	Gmdrm	hypo	CHH	-0.0313
Gm17	13520623	13521623	Gmdrm	hypo	CHH	-0.0672
Gm17	13522635	13523626	Gmdrm	hypo	CHH	-0.0841
Gm17	13523640	13523907	Gmdrm	hypo	CHH	-0.1434
Gm17	13524042	13525031	Gmdrm	hypo	CHH	-0.0165
Gm17	13555747	13556472	Gmdrm	hypo	CHH	-0.0375
Gm17	13562788	13563119	Gmdrm	hypo	CHH	-0.0676
Gm17	13563221	13564214	Gmdrm	hypo	CHH	-0.0605
Gm17	13564223	13565221	Gmdrm	hypo	CHH	-0.1243
Gm17	13568043	13569042	Gmdrm	hypo	CHH	-0.0999
Gm17	13569045	13570034	Gmdrm	hypo	CHH	-0.0323
Gm17	13571061	13572013	Gmdrm	hypo	CHH	-0.049
Gm17	13575133	13576112	Gmdrm	hypo	CHH	-0.0148
Gm17	13580483	13581482	Gmdrm	hypo	CHH	-0.0667
Gm17	13582649	13583424	Gmdrm	hypo	CHH	-0.2519
Gm17	13586718	13587718	Gmdrm	hypo	CHH	-0.1094
Gm17	13587721	13588721	Gmdrm	hypo	CHH	-0.0634
Gm17	13589770	13590522	Gmdrm	hypo	CHH	-0.0198
Gm17	13590887	13591108	Gmdrm	hypo	CHH	-0.0859
Gm17	13591236	13592235	Gmdrm	hypo	CHH	-0.0379
Gm17	13593289	13594286	Gmdrm	hypo	CHH	-0.1266
Gm17	13594290	13595282	Gmdrm	hypo	CHH	-0.0371
Gm17	13595293	13596285	Gmdrm	hypo	CHH	-0.072
Gm17	13596297	13597272	Gmdrm	hypo	CHH	-0.0437
Gm17	13614578	13615572	Gmdrm	hypo	CHH	-0.0289
Gm17	13633830	13634829	Gmdrm	hypo	CHH	-0.0252
Gm17	13634832	13635831	Gmdrm	hypo	CHH	-0.0317
Gm17	13639546	13640441	Gmdrm	hypo	CHH	-0.1462
Gm17	13642225	13642292	Gmdrm	hypo	CHH	-0.0517
Gm17	13643214	13644186	Gmdrm	hypo	CHH	-0.0247
Gm17	13656436	13657435	Gmdrm	hypo	CHH	-0.0684
Gm17	13674540	13675538	Gmdrm	hypo	CHH	-0.0608

Gm17	13675542	13676469	Gmdrm	hypo	CHH	-0.0789
Gm17	13679567	13680527	Gmdrm	hypo	CHH	-0.041
Gm17	13687848	13688841	Gmdrm	hypo	CHH	-0.0795
Gm17	13691600	13691862	Gmdrm	hypo	CHH	-0.0727
Gm17	13696415	13697410	Gmdrm	hypo	CHH	-0.0321
Gm17	13697419	13698001	Gmdrm	hypo	CHH	-0.0395
Gm17	13715727	13716322	Gmdrm	hypo	CHH	-0.0894
Gm17	13718454	13719451	Gmdrm	hypo	CHH	-0.0979
Gm17	13719456	13720236	Gmdrm	hypo	CHH	-0.0588
Gm17	13735561	13736522	Gmdrm	hypo	CHH	-0.0112
Gm17	13737673	13738660	Gmdrm	hypo	CHH	-0.0173
Gm17	13758126	13759126	Gmdrm	hypo	CHH	-0.138
Gm17	13759129	13760129	Gmdrm	hypo	CHH	-0.0437
Gm17	13762142	13763136	Gmdrm	hypo	CHH	-0.0496
Gm17	13793401	13794384	Gmdrm	hypo	CHH	-0.0185
Gm17	13802001	13802998	Gmdrm	hypo	CHH	-0.0268
Gm17	13805011	13805977	Gmdrm	hypo	CHH	-0.0518
Gm17	13808078	13809074	Gmdrm	hypo	CHH	-0.0564
Gm17	13809082	13810059	Gmdrm	hypo	CHH	-0.0913
Gm17	13810087	13810654	Gmdrm	hypo	CHH	-0.0164
Gm17	13815541	13816523	Gmdrm	hypo	CHH	-0.2343
Gm17	13835737	13836718	Gmdrm	hypo	CHH	-0.0969
Gm17	13836752	13837337	Gmdrm	hypo	CHH	-0.0989
Gm17	13841982	13842980	Gmdrm	hypo	CHH	-0.0116
Gm17	13845208	13846189	Gmdrm	hypo	CHH	-0.0823
Gm17	13854439	13855425	Gmdrm	hypo	CHH	-0.0258
Gm17	13868173	13868640	Gmdrm	hypo	CHH	-0.0404
Gm17	13890752	13891228	Gmdrm	hypo	CHH	-0.0224
Gm17	13891365	13892324	Gmdrm	hypo	CHH	-0.1202
Gm17	13892376	13892481	Gmdrm	hypo	CHH	-0.0878
Gm17	13898508	13899464	Gmdrm	hypo	CHH	-0.0147
Gm17	13904207	13905081	Gmdrm	hypo	CHH	-0.2514
Gm17	13905923	13906187	Gmdrm	hypo	CHH	-0.0423
Gm17	13923745	13924429	Gmdrm	hypo	CHH	-0.0259
Gm17	13931783	13932573	Gmdrm	hypo	CHH	-0.0444
Gm17	13940764	13941761	Gmdrm	hypo	CHH	-0.0212
Gm17	13948765	13949751	Gmdrm	hypo	CHH	-0.0272
Gm17	13953254	13953774	Gmdrm	hypo	CHH	-0.0409
Gm17	13955111	13956105	Gmdrm	hypo	CHH	-0.0271
Gm17	13968287	13969272	Gmdrm	hypo	CHH	-0.0187
Gm17	13969578	13970571	Gmdrm	hypo	CHH	-0.0248
Gm17	13970586	13971583	Gmdrm	hypo	CHH	-0.0471
Gm17	13976990	13977954	Gmdrm	hypo	CHH	-0.0683
Gm17	13980625	13981622	Gmdrm	hypo	CHH	-0.116
Gm17	14001398	14002385	Gmdrm	hypo	CHH	-0.0568
Gm17	14003421	14004414	Gmdrm	hypo	CHH	-0.0398

Gm17	14022545	14023525	Gmdrm	hypo	CHH	-0.0131
Gm17	14029065	14029421	Gmdrm	hypo	CHH	-0.0494
Gm17	14030671	14031667	Gmdrm	hypo	CHH	-0.0576
Gm17	14031796	14032082	Gmdrm	hypo	CHH	-0.2206
Gm17	14033395	14034391	Gmdrm	hypo	CHH	-0.0296
Gm17	14034399	14035063	Gmdrm	hypo	CHH	-0.1189
Gm17	14041240	14042237	Gmdrm	hypo	CHH	-0.0965
Gm17	14042242	14043242	Gmdrm	hypo	CHH	-0.1159
Gm17	14043248	14044226	Gmdrm	hypo	CHH	-0.0573
Gm17	14047079	14047381	Gmdrm	hypo	CHH	-0.0361
Gm17	14052607	14053585	Gmdrm	hypo	CHH	-0.0725
Gm17	14054683	14055682	Gmdrm	hypo	CHH	-0.014
Gm17	14057706	14058693	Gmdrm	hypo	CHH	-0.0203
Gm17	14058736	14059722	Gmdrm	hypo	CHH	-0.02
Gm17	14068514	14069513	Gmdrm	hypo	CHH	-0.0236
Gm17	14071041	14072026	Gmdrm	hypo	CHH	-0.0309
Gm17	14072044	14073044	Gmdrm	hypo	CHH	-0.1972
Gm17	14076507	14076703	Gmdrm	hypo	CHH	-0.0457
Gm17	14076808	14077252	Gmdrm	hypo	CHH	-0.0375
Gm17	14084900	14085882	Gmdrm	hypo	CHH	-0.0119
Gm17	14095100	14096096	Gmdrm	hypo	CHH	-0.044
Gm17	14101149	14102138	Gmdrm	hypo	CHH	-0.0225
Gm17	14104191	14105187	Gmdrm	hypo	CHH	-0.0471
Gm17	14105197	14105763	Gmdrm	hypo	CHH	-0.041
Gm17	14106892	14107888	Gmdrm	hypo	CHH	-0.0159
Gm17	14107907	14108900	Gmdrm	hypo	CHH	-0.0362
Gm17	14118202	14119199	Gmdrm	hypo	CHH	-0.0581
Gm17	14119203	14120195	Gmdrm	hypo	CHH	-0.0607
Gm17	14120210	14121201	Gmdrm	hypo	CHH	-0.0428
Gm17	14121213	14122213	Gmdrm	hypo	CHH	-0.0505
Gm17	14123184	14123318	Gmdrm	hypo	CHH	-0.0786
Gm17	14133304	14134303	Gmdrm	hypo	CHH	-0.1152
Gm17	14134306	14135306	Gmdrm	hypo	CHH	-0.0706
Gm17	14135311	14136311	Gmdrm	hypo	CHH	-0.0567
Gm17	14136312	14137307	Gmdrm	hypo	CHH	-0.0454
Gm17	14138331	14139328	Gmdrm	hypo	CHH	-0.0796
Gm17	14139334	14140320	Gmdrm	hypo	CHH	-0.0523
Gm17	14140353	14141353	Gmdrm	hypo	CHH	-0.0346
Gm17	14144052	14145039	Gmdrm	hypo	CHH	-0.0715
Gm17	14176387	14177144	Gmdrm	hypo	CHH	-0.0672
Gm17	14234144	14234906	Gmdrm	hypo	CHH	-0.2818
Gm17	14236018	14237018	Gmdrm	hypo	CHH	-0.0488
Gm17	14237022	14238020	Gmdrm	hypo	CHH	-0.0305
Gm17	14310955	14311037	Gmdrm	hypo	CHH	-0.0882
Gm17	14311199	14311748	Gmdrm	hypo	CHH	-0.0383
Gm17	14359668	14360642	Gmdrm	hypo	CHH	-0.0612

Gm17	14360687	14361681 Gmdrm	hypo	CHH	-0.0774
Gm17	14362410	14363408 Gmdrm	hypo	CHH	-0.1017
Gm17	14363412	14363479 Gmdrm	hypo	CHH	-0.3354
Gm17	14368393	14369354 Gmdrm	hypo	CHH	-0.0298
Gm17	14370725	14371569 Gmdrm	hypo	CHH	-0.2277
Gm17	14374751	14375746 Gmdrm	hypo	CHH	-0.0221
Gm17	14376152	14377152 Gmdrm	hypo	CHH	-0.0619
Gm17	14377170	14378165 Gmdrm	hypo	CHH	-0.0524
Gm17	14380477	14381435 Gmdrm	hypo	CHH	-0.0156
Gm17	14385907	14386906 Gmdrm	hypo	CHH	-0.0989
Gm17	14386909	14387904 Gmdrm	hypo	CHH	-0.0946
Gm17	14387942	14388935 Gmdrm	hypo	CHH	-0.0208
Gm17	14388983	14389547 Gmdrm	hypo	CHH	-0.0647
Gm17	14389697	14390681 Gmdrm	hypo	CHH	-0.0238
Gm17	14393981	14394980 Gmdrm	hypo	CHH	-0.0499
Gm17	14429246	14430217 Gmdrm	hypo	CHH	-0.0406
Gm17	14430249	14431243 Gmdrm	hypo	CHH	-0.0946
Gm17	14432280	14433273 Gmdrm	hypo	CHH	-0.0652
Gm17	14433281	14434266 Gmdrm	hypo	CHH	-0.1127
Gm17	14436992	14437661 Gmdrm	hypo	CHH	-0.0228
Gm17	14437931	14438928 Gmdrm	hypo	CHH	-0.0637
Gm17	14441985	14442977 Gmdrm	hypo	CHH	-0.0969
Gm17	14459509	14460507 Gmdrm	hypo	CHH	-0.0991
Gm17	14476697	14477695 Gmdrm	hypo	CHH	-0.0279
Gm17	14487396	14488389 Gmdrm	hypo	CHH	-0.0143
Gm17	14523974	14524965 Gmdrm	hypo	CHH	-0.0372
Gm17	14525987	14526984 Gmdrm	hypo	CHH	-0.0229
Gm17	14550699	14551695 Gmdrm	hypo	CHH	-0.0402
Gm17	14551701	14552635 Gmdrm	hypo	CHH	-0.0125
Gm17	14574873	14575869 Gmdrm	hypo	CHH	-0.0272
Gm17	14575879	14576879 Gmdrm	hypo	CHH	-0.0166
Gm17	14576903	14577892 Gmdrm	hypo	CHH	-0.0136
Gm17	14580809	14581809 Gmdrm	hypo	CHH	-0.0812
Gm17	14581810	14582809 Gmdrm	hypo	CHH	-0.0408
Gm17	14590974	14591974 Gmdrm	hypo	CHH	-0.0399
Gm17	14594997	14595865 Gmdrm	hypo	CHH	-0.0754
Gm17	14603331	14604330 Gmdrm	hypo	CHH	-0.049
Gm17	14604337	14605329 Gmdrm	hypo	CHH	-0.0518
Gm17	14607651	14608621 Gmdrm	hypo	CHH	-0.2878
Gm17	14630712	14630800 Gmdrm	hypo	CHH	-0.1075
Gm17	14639210	14640128 Gmdrm	hypo	CHH	-0.0734
Gm17	14640865	14641861 Gmdrm	hypo	CHH	-0.1318
Gm17	14641866	14642859 Gmdrm	hypo	CHH	-0.247
Gm17	14648291	14649286 Gmdrm	hypo	CHH	-0.074
Gm17	14654238	14655222 Gmdrm	hypo	CHH	-0.0631
Gm17	14655242	14656229 Gmdrm	hypo	CHH	-0.0171

Gm17	14663267	14664258	Gmdrm	hypo	CHH	-0.0312
Gm17	14664268	14665257	Gmdrm	hypo	CHH	-0.0675
Gm17	14671351	14671962	Gmdrm	hypo	CHH	-0.1017
Gm17	14672067	14673052	Gmdrm	hypo	CHH	-0.1463
Gm17	14673068	14673384	Gmdrm	hypo	CHH	-0.1497
Gm17	14675569	14675668	Gmdrm	hypo	CHH	-0.0371
Gm17	14682539	14683189	Gmdrm	hypo	CHH	-0.1464
Gm17	14700727	14701719	Gmdrm	hypo	CHH	-0.0192
Gm17	14701730	14702721	Gmdrm	hypo	CHH	-0.0342
Gm17	14707551	14708546	Gmdrm	hypo	CHH	-0.0801
Gm17	14709585	14710585	Gmdrm	hypo	CHH	-0.0279
Gm17	14716650	14717643	Gmdrm	hypo	CHH	-0.0423
Gm17	14729728	14730725	Gmdrm	hypo	CHH	-0.1646
Gm17	14730729	14731725	Gmdrm	hypo	CHH	-0.0162
Gm17	14743824	14744807	Gmdrm	hypo	CHH	-0.0353
Gm17	14750923	14751923	Gmdrm	hypo	CHH	-0.03
Gm17	14785151	14786150	Gmdrm	hypo	CHH	-0.0843
Gm17	14786152	14787149	Gmdrm	hypo	CHH	-0.1653
Gm17	14787614	14788604	Gmdrm	hypo	CHH	-0.0164
Gm17	14790701	14791497	Gmdrm	hypo	CHH	-0.1664
Gm17	14798638	14799634	Gmdrm	hypo	CHH	-0.0664
Gm17	14799652	14800627	Gmdrm	hypo	CHH	-0.1296
Gm17	14803493	14804486	Gmdrm	hypo	CHH	-0.0815
Gm17	14813977	14814964	Gmdrm	hypo	CHH	-0.0751
Gm17	14843462	14844429	Gmdrm	hypo	CHH	-0.0398
Gm17	14849472	14850458	Gmdrm	hypo	CHH	-0.0138
Gm17	14850508	14851474	Gmdrm	hypo	CHH	-0.0146
Gm17	14930117	14931116	Gmdrm	hypo	CHH	-0.1574
Gm17	14935171	14936156	Gmdrm	hypo	CHH	-0.1085
Gm17	14948794	14949349	Gmdrm	hypo	CHH	-0.052
Gm17	14949736	14950735	Gmdrm	hypo	CHH	-0.0258
Gm17	14961301	14961730	Gmdrm	hypo	CHH	-0.0228
Gm17	14963665	14964062	Gmdrm	hypo	CHH	-0.1439
Gm17	14964175	14965100	Gmdrm	hypo	CHH	-0.079
Gm17	15014856	15015847	Gmdrm	hypo	CHH	-0.1051
Gm17	15016504	15017503	Gmdrm	hypo	CHH	-0.0377
Gm17	15018520	15019516	Gmdrm	hypo	CHH	-0.1177
Gm17	15019521	15020520	Gmdrm	hypo	CHH	-0.0578
Gm17	15048074	15049074	Gmdrm	hypo	CHH	-0.0195
Gm17	15051226	15052210	Gmdrm	hypo	CHH	-0.0613
Gm17	15054129	15055120	Gmdrm	hypo	CHH	-0.0177
Gm17	15057093	15058079	Gmdrm	hypo	CHH	-0.076
Gm17	15058094	15058614	Gmdrm	hypo	CHH	-0.039
Gm17	15073580	15074577	Gmdrm	hypo	CHH	-0.0705
Gm17	15074581	15075215	Gmdrm	hypo	CHH	-0.0425
Gm17	15103551	15104548	Gmdrm	hypo	CHH	-0.0253

Gm17	15116458	15117429	Gmdrm	hypo	CHH	-0.0254
Gm17	15118181	15119158	Gmdrm	hypo	CHH	-0.049
Gm17	15119182	15120166	Gmdrm	hypo	CHH	-0.0283
Gm17	15122213	15122461	Gmdrm	hypo	CHH	-0.077
Gm17	15138146	15139139	Gmdrm	hypo	CHH	-0.0317
Gm17	15139152	15140119	Gmdrm	hypo	CHH	-0.0316
Gm17	15143221	15144213	Gmdrm	hypo	CHH	-0.0991
Gm17	15144225	15145186	Gmdrm	hypo	CHH	-0.0196
Gm17	15145236	15146235	Gmdrm	hypo	CHH	-0.0228
Gm17	15146244	15147235	Gmdrm	hypo	CHH	-0.0257
Gm17	15147245	15148237	Gmdrm	hypo	CHH	-0.0537
Gm17	15148252	15149074	Gmdrm	hypo	CHH	-0.0637
Gm17	15151950	15152949	Gmdrm	hypo	CHH	-0.0435
Gm17	15152966	15153954	Gmdrm	hypo	CHH	-0.03
Gm17	15154005	15154999	Gmdrm	hypo	CHH	-0.025
Gm17	15155032	15155255	Gmdrm	hypo	CHH	-0.0668
Gm17	15168697	15169557	Gmdrm	hypo	CHH	-0.0296
Gm17	15174727	15175726	Gmdrm	hypo	CHH	-0.1351
Gm17	15178180	15179180	Gmdrm	hypo	CHH	-0.1375
Gm17	15183358	15184350	Gmdrm	hypo	CHH	-0.0719
Gm17	15189533	15190532	Gmdrm	hypo	CHH	-0.0177
Gm17	15194456	15195452	Gmdrm	hypo	CHH	-0.0219
Gm17	15229189	15230160	Gmdrm	hypo	CHH	-0.0559
Gm17	15255337	15256317	Gmdrm	hypo	CHH	-0.0193
Gm17	15257367	15258327	Gmdrm	hypo	CHH	-0.2158
Gm17	15259612	15260609	Gmdrm	hypo	CHH	-0.098
Gm17	15266439	15267411	Gmdrm	hypo	CHH	-0.1969
Gm17	15271193	15272186	Gmdrm	hypo	CHH	-0.0541
Gm17	15274890	15275889	Gmdrm	hypo	CHH	-0.018
Gm17	15285957	15286954	Gmdrm	hypo	CHH	-0.0528
Gm17	15286961	15287490	Gmdrm	hypo	CHH	-0.0993
Gm17	15287608	15288605	Gmdrm	hypo	CHH	-0.0242
Gm17	15291584	15292435	Gmdrm	hypo	CHH	-0.0673
Gm17	15297706	15298705	Gmdrm	hypo	CHH	-0.1277
Gm17	15298711	15299698	Gmdrm	hypo	CHH	-0.0757
Gm17	15313263	15314258	Gmdrm	hypo	CHH	-0.0427
Gm17	15314264	15315212	Gmdrm	hypo	CHH	-0.0839
Gm17	15315267	15316265	Gmdrm	hypo	CHH	-0.074
Gm17	15317277	15318259	Gmdrm	hypo	CHH	-0.0154
Gm17	15318310	15319309	Gmdrm	hypo	CHH	-0.041
Gm17	15322321	15323315	Gmdrm	hypo	CHH	-0.0646
Gm17	15323322	15324322	Gmdrm	hypo	CHH	-0.0533
Gm17	15324323	15325179	Gmdrm	hypo	CHH	-0.0341
Gm17	15337086	15337395	Gmdrm	hypo	CHH	-0.0483
Gm17	15367332	15368321	Gmdrm	hypo	CHH	-0.0486
Gm17	15368340	15368580	Gmdrm	hypo	CHH	-0.0709

Gm17	15368738	15369720	Gmdrm	hypo	CHH	-0.0452
Gm17	15373323	15374322	Gmdrm	hypo	CHH	-0.0892
Gm17	15376129	15377125	Gmdrm	hypo	CHH	-0.0315
Gm17	15393271	15394249	Gmdrm	hypo	CHH	-0.027
Gm17	15428646	15429628	Gmdrm	hypo	CHH	-0.0203
Gm17	15430669	15431658	Gmdrm	hypo	CHH	-0.0611
Gm17	15431675	15432665	Gmdrm	hypo	CHH	-0.1003
Gm17	15433694	15434462	Gmdrm	hypo	CHH	-0.0171
Gm17	15438243	15439243	Gmdrm	hypo	CHH	-0.0612
Gm17	15442234	15442852	Gmdrm	hypo	CHH	-0.0285
Gm17	15462229	15463229	Gmdrm	hypo	CHH	-0.0331
Gm17	15463238	15463601	Gmdrm	hypo	CHH	-0.1073
Gm17	15471972	15472964	Gmdrm	hypo	CHH	-0.0943
Gm17	15472974	15473974	Gmdrm	hypo	CHH	-0.0437
Gm17	15473997	15474585	Gmdrm	hypo	CHH	-0.1041
Gm17	15474709	15475679	Gmdrm	hypo	CHH	-0.1098
Gm17	15475761	15476761	Gmdrm	hypo	CHH	-0.0319
Gm17	15480782	15481730	Gmdrm	hypo	CHH	-0.0251
Gm17	15487359	15488354	Gmdrm	hypo	CHH	-0.038
Gm17	15488365	15489362	Gmdrm	hypo	CHH	-0.0931
Gm17	15489372	15490347	Gmdrm	hypo	CHH	-0.0439
Gm17	15490397	15491372	Gmdrm	hypo	CHH	-0.048
Gm17	15492413	15493398	Gmdrm	hypo	CHH	-0.0277
Gm17	15493428	15494406	Gmdrm	hypo	CHH	-0.0429
Gm17	15494448	15495419	Gmdrm	hypo	CHH	-0.0357
Gm17	15513532	15514521	Gmdrm	hypo	CHH	-0.0297
Gm17	15516884	15517866	Gmdrm	hypo	CHH	-0.0684
Gm17	15517897	15518897	Gmdrm	hypo	CHH	-0.0173
Gm17	15518902	15519858	Gmdrm	hypo	CHH	-0.022
Gm17	15519911	15520904	Gmdrm	hypo	CHH	-0.0166
Gm17	15537171	15537507	Gmdrm	hypo	CHH	-0.0736
Gm17	15537805	15538803	Gmdrm	hypo	CHH	-0.0405
Gm17	15570248	15571242	Gmdrm	hypo	CHH	-0.0806
Gm17	15575743	15576732	Gmdrm	hypo	CHH	-0.0364
Gm17	15576745	15577744	Gmdrm	hypo	CHH	-0.0855
Gm17	15579752	15580542	Gmdrm	hypo	CHH	-0.0537
Gm17	15580676	15581435	Gmdrm	hypo	CHH	-0.1033
Gm17	15584429	15585423	Gmdrm	hypo	CHH	-0.0194
Gm17	15589685	15590674	Gmdrm	hypo	CHH	-0.0304
Gm17	15601313	15602286	Gmdrm	hypo	CHH	-0.0115
Gm17	15602330	15603328	Gmdrm	hypo	CHH	-0.1289
Gm17	15604780	15605242	Gmdrm	hypo	CHH	-0.0226
Gm17	15616453	15617442	Gmdrm	hypo	CHH	-0.0482
Gm17	15634586	15635149	Gmdrm	hypo	CHH	-0.087
Gm17	15637302	15638273	Gmdrm	hypo	CHH	-0.3849
Gm17	15638316	15639314	Gmdrm	hypo	CHH	-0.1687

Gm17	15639328	15639609	Gmdrm	hypo	CHH	-0.0783
Gm17	15643990	15644958	Gmdrm	hypo	CHH	-0.0654
Gm17	15644999	15645989	Gmdrm	hypo	CHH	-0.0159
Gm17	15647057	15647514	Gmdrm	hypo	CHH	-0.0248
Gm17	15673946	15674579	Gmdrm	hypo	CHH	-0.0267
Gm17	15674689	15675685	Gmdrm	hypo	CHH	-0.0196
Gm17	15682703	15683696	Gmdrm	hypo	CHH	-0.1664
Gm17	15694180	15694490	Gmdrm	hypo	CHH	-0.0379
Gm17	15798866	15799865	Gmdrm	hypo	CHH	-0.0404
Gm17	15803830	15804827	Gmdrm	hypo	CHH	-0.1061
Gm17	15807914	15808903	Gmdrm	hypo	CHH	-0.0435
Gm17	15808919	15809907	Gmdrm	hypo	CHH	-0.0684
Gm17	15809950	15810252	Gmdrm	hypo	CHH	-0.1169
Gm17	15829982	15830982	Gmdrm	hypo	CHH	-0.119
Gm17	15830985	15831958	Gmdrm	hypo	CHH	-0.0404
Gm17	15832946	15833940	Gmdrm	hypo	CHH	-0.1224
Gm17	15833948	15834692	Gmdrm	hypo	CHH	-0.0485
Gm17	15855727	15855994	Gmdrm	hypo	CHH	-0.0287
Gm17	15857375	15858367	Gmdrm	hypo	CHH	-0.0657
Gm17	15866150	15867099	Gmdrm	hypo	CHH	-0.0313
Gm17	15867354	15868343	Gmdrm	hypo	CHH	-0.013
Gm17	15887196	15888173	Gmdrm	hypo	CHH	-0.0342
Gm17	15921812	15922808	Gmdrm	hypo	CHH	-0.067
Gm17	15922813	15923813	Gmdrm	hypo	CHH	-0.1133
Gm17	15935684	15936684	Gmdrm	hypo	CHH	-0.0201
Gm17	15936702	15937685	Gmdrm	hypo	CHH	-0.045
Gm17	15941417	15942417	Gmdrm	hypo	CHH	-0.0402
Gm17	15942418	15943029	Gmdrm	hypo	CHH	-0.063
Gm17	15965428	15966425	Gmdrm	hypo	CHH	-0.0735
Gm17	15967468	15968462	Gmdrm	hypo	CHH	-0.0578
Gm17	15970801	15971799	Gmdrm	hypo	CHH	-0.0373
Gm17	15972467	15973460	Gmdrm	hypo	CHH	-0.032
Gm17	15973520	15974504	Gmdrm	hypo	CHH	-0.088
Gm17	15974522	15975500	Gmdrm	hypo	CHH	-0.1213
Gm17	15976764	15977707	Gmdrm	hypo	CHH	-0.0318
Gm17	15987355	15988348	Gmdrm	hypo	CHH	-0.0402
Gm17	16023194	16024149	Gmdrm	hypo	CHH	-0.1197
Gm17	16028347	16029342	Gmdrm	hypo	CHH	-0.0246
Gm17	16033138	16034137	Gmdrm	hypo	CHH	-0.0847
Gm17	16034149	16035064	Gmdrm	hypo	CHH	-0.0396
Gm17	16035173	16036172	Gmdrm	hypo	CHH	-0.0303
Gm17	16037214	16038200	Gmdrm	hypo	CHH	-0.0537
Gm17	16053944	16054630	Gmdrm	hypo	CHH	-0.1349
Gm17	16055830	16056830	Gmdrm	hypo	CHH	-0.1153
Gm17	16064399	16064559	Gmdrm	hypo	CHH	-0.0752
Gm17	16078589	16079019	Gmdrm	hypo	CHH	-0.1406

Gm17	16122617	16123616 Gmdrm	hypo	CHH	-0.0831
Gm17	16130732	16131730 Gmdrm	hypo	CHH	-0.135
Gm17	16131735	16132735 Gmdrm	hypo	CHH	-0.4008
Gm17	16132736	16133138 Gmdrm	hypo	CHH	-0.1624
Gm17	16134264	16135252 Gmdrm	hypo	CHH	-0.0254
Gm17	16193669	16194659 Gmdrm	hypo	CHH	-0.0264
Gm17	16194690	16195667 Gmdrm	hypo	CHH	-0.021
Gm17	16195691	16196684 Gmdrm	hypo	CHH	-0.0151
Gm17	16196704	16197686 Gmdrm	hypo	CHH	-0.0163
Gm17	16198280	16199265 Gmdrm	hypo	CHH	-0.0219
Gm17	16199302	16199903 Gmdrm	hypo	CHH	-0.0556
Gm17	16208740	16209727 Gmdrm	hypo	CHH	-0.0115
Gm17	16217768	16218762 Gmdrm	hypo	CHH	-0.0482
Gm17	16218769	16219766 Gmdrm	hypo	CHH	-0.0552
Gm17	16485052	16485970 Gmdrm	hypo	CHH	-0.0647
Gm17	16510568	16511028 Gmdrm	hypo	CHH	-0.0905
Gm17	16955457	16955564 Gmdrm	hypo	CHH	-0.1187
Gm17	16955742	16956062 Gmdrm	hypo	CHH	-0.1029
Gm17	17074638	17074831 Gmdrm	hypo	CHH	-0.26
Gm17	17321005	17321116 Gmdrm	hypo	CHH	-0.1734
Gm17	17412711	17413711 Gmdrm	hypo	CHH	-0.0299
Gm17	17413718	17414718 Gmdrm	hypo	CHH	-0.0559
Gm17	17739788	17740627 Gmdrm	hypo	CHH	-0.0717
Gm17	17783434	17784404 Gmdrm	hypo	CHH	-0.053
Gm17	17850550	17850886 Gmdrm	hypo	CHH	-0.0235
Gm17	17851202	17852196 Gmdrm	hypo	CHH	-0.0616
Gm17	17852208	17853180 Gmdrm	hypo	CHH	-0.0258
Gm17	17867006	17868006 Gmdrm	hypo	CHH	-0.085
Gm17	17868013	17869013 Gmdrm	hypo	CHH	-0.0662
Gm17	17869024	17869966 Gmdrm	hypo	CHH	-0.2446
Gm17	17873949	17874935 Gmdrm	hypo	CHH	-0.1341
Gm17	17874956	17875950 Gmdrm	hypo	CHH	-0.0636
Gm17	17877962	17878962 Gmdrm	hypo	CHH	-0.0626
Gm17	17879991	17880986 Gmdrm	hypo	CHH	-0.0417
Gm17	17882026	17883013 Gmdrm	hypo	CHH	-0.1374
Gm17	17883035	17883843 Gmdrm	hypo	CHH	-0.1381
Gm17	17884990	17885643 Gmdrm	hypo	CHH	-0.1148
Gm17	17885781	17886776 Gmdrm	hypo	CHH	-0.0985
Gm17	17888665	17889662 Gmdrm	hypo	CHH	-0.0621
Gm17	17889667	17890667 Gmdrm	hypo	CHH	-0.0758
Gm17	17892243	17893240 Gmdrm	hypo	CHH	-0.0414
Gm17	17893250	17894248 Gmdrm	hypo	CHH	-0.0177
Gm17	17894254	17895251 Gmdrm	hypo	CHH	-0.0139
Gm17	17896266	17897261 Gmdrm	hypo	CHH	-0.021
Gm17	17904315	17905063 Gmdrm	hypo	CHH	-0.0434
Gm17	17918125	17919106 Gmdrm	hypo	CHH	-0.0397

Gm17	17923754	17924069	Gmdrm	hypo	CHH	-0.1313
Gm17	17933533	17934495	Gmdrm	hypo	CHH	-0.0363
Gm17	17934551	17935544	Gmdrm	hypo	CHH	-0.0271
Gm17	17937129	17938126	Gmdrm	hypo	CHH	-0.2009
Gm17	17938141	17938721	Gmdrm	hypo	CHH	-0.0344
Gm17	17940548	17941542	Gmdrm	hypo	CHH	-0.3033
Gm17	17941558	17942186	Gmdrm	hypo	CHH	-0.2706
Gm17	17947811	17948809	Gmdrm	hypo	CHH	-0.073
Gm17	17948822	17949710	Gmdrm	hypo	CHH	-0.0431
Gm17	17950039	17951039	Gmdrm	hypo	CHH	-0.0542
Gm17	17959670	17960668	Gmdrm	hypo	CHH	-0.0513
Gm17	17979367	17980317	Gmdrm	hypo	CHH	-0.0215
Gm17	18080837	18081684	Gmdrm	hypo	CHH	-0.0502
Gm17	18093473	18094463	Gmdrm	hypo	CHH	-0.0226
Gm17	18104222	18104312	Gmdrm	hypo	CHH	-0.055
Gm17	18105163	18106153	Gmdrm	hypo	CHH	-0.0205
Gm17	18106164	18107155	Gmdrm	hypo	CHH	-0.032
Gm17	18140595	18141470	Gmdrm	hypo	CHH	-0.106
Gm17	18144981	18145862	Gmdrm	hypo	CHH	-0.0716
Gm17	18205337	18206306	Gmdrm	hypo	CHH	-0.0501
Gm17	18261565	18262201	Gmdrm	hypo	CHH	-0.1095
Gm17	18267839	18268833	Gmdrm	hypo	CHH	-0.101
Gm17	18286049	18286203	Gmdrm	hypo	CHH	-0.042
Gm17	18292473	18293447	Gmdrm	hypo	CHH	-0.0247
Gm17	18303768	18304765	Gmdrm	hypo	CHH	-0.0603
Gm17	18313888	18314832	Gmdrm	hypo	CHH	-0.0495
Gm17	18331746	18332107	Gmdrm	hypo	CHH	-0.0364
Gm17	18333262	18334262	Gmdrm	hypo	CHH	-0.0201
Gm17	18340342	18341335	Gmdrm	hypo	CHH	-0.0297
Gm17	18341380	18342378	Gmdrm	hypo	CHH	-0.0643
Gm17	18347351	18348331	Gmdrm	hypo	CHH	-0.0219
Gm17	18348367	18349358	Gmdrm	hypo	CHH	-0.0382
Gm17	18349408	18350181	Gmdrm	hypo	CHH	-0.0166
Gm17	18361274	18361791	Gmdrm	hypo	CHH	-0.0419
Gm17	18396017	18397016	Gmdrm	hypo	CHH	-0.0269
Gm17	18428239	18429211	Gmdrm	hypo	CHH	-0.0264
Gm17	18434864	18435841	Gmdrm	hypo	CHH	-0.0394
Gm17	18436873	18437871	Gmdrm	hypo	CHH	-0.0246
Gm17	18446006	18447004	Gmdrm	hypo	CHH	-0.0293
Gm17	18448711	18449706	Gmdrm	hypo	CHH	-0.3445
Gm17	18453892	18454887	Gmdrm	hypo	CHH	-0.0141
Gm17	18454900	18455257	Gmdrm	hypo	CHH	-0.0467
Gm17	18463413	18464412	Gmdrm	hypo	CHH	-0.0339
Gm17	18464414	18465411	Gmdrm	hypo	CHH	-0.0551
Gm17	18466495	18466757	Gmdrm	hypo	CHH	-0.0364
Gm17	18469053	18470036	Gmdrm	hypo	CHH	-0.043

Gm17	18471816	18472718	Gmdrm	hypo	CHH	-0.0752
Gm17	18473831	18474810	Gmdrm	hypo	CHH	-0.0123
Gm17	18474857	18475120	Gmdrm	hypo	CHH	-0.2166
Gm17	18475234	18476215	Gmdrm	hypo	CHH	-0.1728
Gm17	18476241	18477220	Gmdrm	hypo	CHH	-0.059
Gm17	18478104	18478819	Gmdrm	hypo	CHH	-0.0454
Gm17	18478933	18479928	Gmdrm	hypo	CHH	-0.0277
Gm17	18479939	18480757	Gmdrm	hypo	CHH	-0.0338
Gm17	18489121	18490103	Gmdrm	hypo	CHH	-0.0417
Gm17	18490123	18490718	Gmdrm	hypo	CHH	-0.0366
Gm17	18492771	18492957	Gmdrm	hypo	CHH	-0.0553
Gm17	18493112	18494095	Gmdrm	hypo	CHH	-0.0248
Gm17	18495303	18496296	Gmdrm	hypo	CHH	-0.0912
Gm17	18506688	18507688	Gmdrm	hypo	CHH	-0.1075
Gm17	18511657	18512648	Gmdrm	hypo	CHH	-0.0685
Gm17	18519077	18519530	Gmdrm	hypo	CHH	-0.1527
Gm17	18519962	18520960	Gmdrm	hypo	CHH	-0.0668
Gm17	18520963	18521961	Gmdrm	hypo	CHH	-0.0444
Gm17	18545457	18546442	Gmdrm	hypo	CHH	-0.0221
Gm17	18547046	18548046	Gmdrm	hypo	CHH	-0.0372
Gm17	18548054	18548395	Gmdrm	hypo	CHH	-0.0445
Gm17	18548875	18549868	Gmdrm	hypo	CHH	-0.0833
Gm17	18549876	18550872	Gmdrm	hypo	CHH	-0.0509
Gm17	18559872	18560869	Gmdrm	hypo	CHH	-0.0518
Gm17	18567288	18568263	Gmdrm	hypo	CHH	-0.038
Gm17	18576263	18576990	Gmdrm	hypo	CHH	-0.0149
Gm17	18578050	18579008	Gmdrm	hypo	CHH	-0.0342
Gm17	18579051	18580050	Gmdrm	hypo	CHH	-0.0343
Gm17	18580055	18581043	Gmdrm	hypo	CHH	-0.1194
Gm17	18600558	18601556	Gmdrm	hypo	CHH	-0.0332
Gm17	18601559	18602544	Gmdrm	hypo	CHH	-0.0936
Gm17	18602560	18602921	Gmdrm	hypo	CHH	-0.1225
Gm17	18603212	18604209	Gmdrm	hypo	CHH	-0.1187
Gm17	18606044	18606241	Gmdrm	hypo	CHH	-0.0567
Gm17	18611808	18612746	Gmdrm	hypo	CHH	-0.0834
Gm17	18616895	18617894	Gmdrm	hypo	CHH	-0.1076
Gm17	18641986	18642796	Gmdrm	hypo	CHH	-0.0271
Gm17	18643106	18643724	Gmdrm	hypo	CHH	-0.0374
Gm17	18654857	18655305	Gmdrm	hypo	CHH	-0.0996
Gm17	18661426	18662407	Gmdrm	hypo	CHH	-0.0522
Gm17	18674976	18675968	Gmdrm	hypo	CHH	-0.0242
Gm17	18675983	18676977	Gmdrm	hypo	CHH	-0.0329
Gm17	18700732	18701705	Gmdrm	hypo	CHH	-0.1547
Gm17	18701770	18702741	Gmdrm	hypo	CHH	-0.0972
Gm17	18702780	18703721	Gmdrm	hypo	CHH	-0.0114
Gm17	18704733	18705732	Gmdrm	hypo	CHH	-0.0826

Gm17	18717690	18718690	Gmdrm	hypo	CHH	-0.0375
Gm17	18739933	18740933	Gmdrm	hypo	CHH	-0.0164
Gm17	18793666	18794650	Gmdrm	hypo	CHH	-0.0169
Gm17	18794990	18795964	Gmdrm	hypo	CHH	-0.041
Gm17	18802566	18803550	Gmdrm	hypo	CHH	-0.0337
Gm17	18807794	18808791	Gmdrm	hypo	CHH	-0.011
Gm17	18810890	18811841	Gmdrm	hypo	CHH	-0.0302
Gm17	18813096	18813568	Gmdrm	hypo	CHH	-0.0695
Gm17	18816135	18817135	Gmdrm	hypo	CHH	-0.0828
Gm17	18840389	18841386	Gmdrm	hypo	CHH	-0.0373
Gm17	18841443	18842442	Gmdrm	hypo	CHH	-0.0283
Gm17	18848830	18849814	Gmdrm	hypo	CHH	-0.105
Gm17	18851854	18852854	Gmdrm	hypo	CHH	-0.0544
Gm17	18873124	18874124	Gmdrm	hypo	CHH	-0.0935
Gm17	18877153	18878137	Gmdrm	hypo	CHH	-0.0195
Gm17	18878207	18879207	Gmdrm	hypo	CHH	-0.0499
Gm17	18995720	18996565	Gmdrm	hypo	CHH	-0.0496
Gm17	19014186	19015184	Gmdrm	hypo	CHH	-0.0603
Gm17	19019409	19020402	Gmdrm	hypo	CHH	-0.0152
Gm17	19046330	19047330	Gmdrm	hypo	CHH	-0.0134
Gm17	19157328	19158320	Gmdrm	hypo	CHH	-0.0152
Gm17	19161239	19162227	Gmdrm	hypo	CHH	-0.0135
Gm17	19179854	19180456	Gmdrm	hypo	CHH	-0.0887
Gm17	19180863	19181842	Gmdrm	hypo	CHH	-0.0842
Gm17	19188589	19189583	Gmdrm	hypo	CHH	-0.0154
Gm17	19197045	19198036	Gmdrm	hypo	CHH	-0.0713
Gm17	19198054	19199026	Gmdrm	hypo	CHH	-0.0196
Gm17	19204094	19205089	Gmdrm	hypo	CHH	-0.0513
Gm17	19205098	19206064	Gmdrm	hypo	CHH	-0.0314
Gm17	19207143	19208140	Gmdrm	hypo	CHH	-0.055
Gm17	19209578	19210560	Gmdrm	hypo	CHH	-0.0409
Gm17	19210629	19211160	Gmdrm	hypo	CHH	-0.0279
Gm17	19226982	19227510	Gmdrm	hypo	CHH	-0.2194
Gm17	19227728	19228725	Gmdrm	hypo	CHH	-0.0844
Gm17	19244046	19244453	Gmdrm	hypo	CHH	-0.0245
Gm17	19254679	19255660	Gmdrm	hypo	CHH	-0.0195
Gm17	19258065	19259062	Gmdrm	hypo	CHH	-0.0116
Gm17	19259079	19260067	Gmdrm	hypo	CHH	-0.0153
Gm17	19260084	19260765	Gmdrm	hypo	CHH	-0.1942
Gm17	19376573	19377571	Gmdrm	hypo	CHH	-0.0133
Gm17	19381740	19382739	Gmdrm	hypo	CHH	-0.0445
Gm17	19409999	19410996	Gmdrm	hypo	CHH	-0.07
Gm17	19415718	19416716	Gmdrm	hypo	CHH	-0.1887
Gm17	19436676	19437612	Gmdrm	hypo	CHH	-0.0183
Gm17	19437688	19438426	Gmdrm	hypo	CHH	-0.0313
Gm17	19458251	19459247	Gmdrm	hypo	CHH	-0.02

Gm17	19463571	19464569	Gmdrm	hypo	CHH	-0.1163
Gm17	19466889	19467341	Gmdrm	hypo	CHH	-0.0405
Gm17	19473758	19474757	Gmdrm	hypo	CHH	-0.1323
Gm17	19509709	19510694	Gmdrm	hypo	CHH	-0.0385
Gm17	19517693	19518605	Gmdrm	hypo	CHH	-0.0274
Gm17	19757983	19758983	Gmdrm	hypo	CHH	-0.0633
Gm17	19759009	19759595	Gmdrm	hypo	CHH	-0.0721
Gm17	19760822	19761821	Gmdrm	hypo	CHH	-0.2028
Gm17	19761825	19762347	Gmdrm	hypo	CHH	-0.284
Gm17	19765670	19766570	Gmdrm	hypo	CHH	-0.069
Gm17	19768870	19769791	Gmdrm	hypo	CHH	-0.0238
Gm17	19772988	19773988	Gmdrm	hypo	CHH	-0.0352
Gm17	19823934	19824907	Gmdrm	hypo	CHH	-0.044
Gm17	19828154	19829125	Gmdrm	hypo	CHH	-0.0137
Gm17	19863138	19864135	Gmdrm	hypo	CHH	-0.044
Gm17	19864782	19865066	Gmdrm	hypo	CHH	-0.044
Gm17	19900108	19900376	Gmdrm	hypo	CHH	-0.0763
Gm17	19917840	19917895	Gmdrm	hypo	CHH	-0.152
Gm17	19988131	19989131	Gmdrm	hypo	CHH	-0.0295
Gm17	20001429	20002416	Gmdrm	hypo	CHH	-0.0732
Gm17	20105472	20106472	Gmdrm	hypo	CHH	-0.0324
Gm17	20147254	20147702	Gmdrm	hypo	CHH	-0.0874
Gm17	20191089	20192068	Gmdrm	hypo	CHH	-0.0169
Gm17	20206397	20207384	Gmdrm	hypo	CHH	-0.0358
Gm17	20208435	20209431	Gmdrm	hypo	CHH	-0.0229
Gm17	20214240	20214422	Gmdrm	hypo	CHH	-0.148
Gm17	20267638	20268270	Gmdrm	hypo	CHH	-0.0747
Gm17	20269456	20270424	Gmdrm	hypo	CHH	-0.018
Gm17	20272526	20272639	Gmdrm	hypo	CHH	-0.0827
Gm17	20283186	20284144	Gmdrm	hypo	CHH	-0.0482
Gm17	20292959	20293710	Gmdrm	hypo	CHH	-0.1086
Gm17	20465544	20466531	Gmdrm	hypo	CHH	-0.0475
Gm17	20466564	20467548	Gmdrm	hypo	CHH	-0.0284
Gm17	20471168	20472156	Gmdrm	hypo	CHH	-0.0145
Gm17	20480965	20481640	Gmdrm	hypo	CHH	-0.0367
Gm17	20559639	20560639	Gmdrm	hypo	CHH	-0.0183
Gm17	20660194	20661173	Gmdrm	hypo	CHH	-0.0127
Gm17	20667313	20668309	Gmdrm	hypo	CHH	-0.0915
Gm17	20668316	20668772	Gmdrm	hypo	CHH	-0.0352
Gm17	20669464	20670450	Gmdrm	hypo	CHH	-0.0246
Gm17	20678714	20679710	Gmdrm	hypo	CHH	-0.2504
Gm17	20679718	20680445	Gmdrm	hypo	CHH	-0.3228
Gm17	20778321	20778990	Gmdrm	hypo	CHH	-0.0692
Gm17	20814409	20815409	Gmdrm	hypo	CHH	-0.0558
Gm17	20815410	20816408	Gmdrm	hypo	CHH	-0.0539
Gm17	20834081	20835075	Gmdrm	hypo	CHH	-0.0165

Gm17	20836758	20837754	Gmdrm	hypo	CHH	-0.0247
Gm17	20837764	20838762	Gmdrm	hypo	CHH	-0.0909
Gm17	20839773	20840769	Gmdrm	hypo	CHH	-0.0671
Gm17	20844020	20844727	Gmdrm	hypo	CHH	-0.0384
Gm17	20950601	20951594	Gmdrm	hypo	CHH	-0.0167
Gm17	21083457	21084401	Gmdrm	hypo	CHH	-0.0182
Gm17	21326072	21327051	Gmdrm	hypo	CHH	-0.0148
Gm17	21441210	21442205	Gmdrm	hypo	CHH	-0.0168
Gm17	21517492	21517593	Gmdrm	hypo	CHH	-0.1294
Gm17	21858066	21859062	Gmdrm	hypo	CHH	-0.0515
Gm17	21981796	21982783	Gmdrm	hypo	CHH	-0.0373
Gm17	21983828	21984803	Gmdrm	hypo	CHH	-0.0405
Gm17	22018362	22019352	Gmdrm	hypo	CHH	-0.0719
Gm17	22192416	22193398	Gmdrm	hypo	CHH	-0.0212
Gm17	22195671	22195854	Gmdrm	hypo	CHH	-0.0831
Gm17	22259812	22260796	Gmdrm	hypo	CHH	-0.0189
Gm17	22263149	22263494	Gmdrm	hypo	CHH	-0.0453
Gm17	22295181	22296164	Gmdrm	hypo	CHH	-0.0294
Gm17	22307186	22308185	Gmdrm	hypo	CHH	-0.0178
Gm17	22337631	22338629	Gmdrm	hypo	CHH	-0.0759
Gm17	22338649	22339542	Gmdrm	hypo	CHH	-0.0663
Gm17	22385452	22386411	Gmdrm	hypo	CHH	-0.0468
Gm17	22392558	22393552	Gmdrm	hypo	CHH	-0.0391
Gm17	22529333	22530325	Gmdrm	hypo	CHH	-0.1325
Gm17	22530337	22531298	Gmdrm	hypo	CHH	-0.083
Gm17	22533484	22534483	Gmdrm	hypo	CHH	-0.0504
Gm17	22540530	22541522	Gmdrm	hypo	CHH	-0.0527
Gm17	22549909	22550909	Gmdrm	hypo	CHH	-0.0875
Gm17	22555424	22556422	Gmdrm	hypo	CHH	-0.0784
Gm17	22600556	22601556	Gmdrm	hypo	CHH	-0.0232
Gm17	22644807	22645806	Gmdrm	hypo	CHH	-0.0209
Gm17	22661440	22661810	Gmdrm	hypo	CHH	-0.0322
Gm17	22684901	22685840	Gmdrm	hypo	CHH	-0.0138
Gm17	22688922	22689919	Gmdrm	hypo	CHH	-0.0182
Gm17	22689926	22690531	Gmdrm	hypo	CHH	-0.0279
Gm17	22742707	22743705	Gmdrm	hypo	CHH	-0.0187
Gm17	23057662	23058645	Gmdrm	hypo	CHH	-0.0198
Gm17	23062157	23063128	Gmdrm	hypo	CHH	-0.0224
Gm17	23067367	23068332	Gmdrm	hypo	CHH	-0.0182
Gm17	23088805	23089805	Gmdrm	hypo	CHH	-0.0888
Gm17	23089813	23090781	Gmdrm	hypo	CHH	-0.017
Gm17	23090818	23091815	Gmdrm	hypo	CHH	-0.0512
Gm17	23092209	23093208	Gmdrm	hypo	CHH	-0.063
Gm17	23127407	23128202	Gmdrm	hypo	CHH	-0.0221
Gm17	23134401	23135385	Gmdrm	hypo	CHH	-0.1894
Gm17	23144830	23145824	Gmdrm	hypo	CHH	-0.0938

Gm17	23145870	23146860	Gmdrm	hypo	CHH	-0.0213
Gm17	23147916	23148915	Gmdrm	hypo	CHH	-0.0508
Gm17	23270267	23271267	Gmdrm	hypo	CHH	-0.1901
Gm17	23274096	23274862	Gmdrm	hypo	CHH	-0.0531
Gm17	23284677	23285642	Gmdrm	hypo	CHH	-0.0404
Gm17	23304698	23305694	Gmdrm	hypo	CHH	-0.0428
Gm17	23306715	23306808	Gmdrm	hypo	CHH	-0.0388
Gm17	23307014	23307945	Gmdrm	hypo	CHH	-0.042
Gm17	23411263	23411393	Gmdrm	hypo	CHH	-0.1417
Gm17	23482645	23483642	Gmdrm	hypo	CHH	-0.0776
Gm17	23491731	23492730	Gmdrm	hypo	CHH	-0.072
Gm17	23492732	23493667	Gmdrm	hypo	CHH	-0.0435
Gm17	23503966	23504963	Gmdrm	hypo	CHH	-0.0197
Gm17	23509035	23510028	Gmdrm	hypo	CHH	-0.0717
Gm17	23536562	23537316	Gmdrm	hypo	CHH	-0.034
Gm17	23555535	23556521	Gmdrm	hypo	CHH	-0.0394
Gm17	23576266	23577253	Gmdrm	hypo	CHH	-0.0209
Gm17	23613880	23614148	Gmdrm	hypo	CHH	-0.0962
Gm17	23620551	23621545	Gmdrm	hypo	CHH	-0.0168
Gm17	23621555	23622549	Gmdrm	hypo	CHH	-0.0149
Gm17	23627422	23627834	Gmdrm	hypo	CHH	-0.0326
Gm17	23630183	23631170	Gmdrm	hypo	CHH	-0.0358
Gm17	23636987	23637977	Gmdrm	hypo	CHH	-0.0947
Gm17	23645627	23646627	Gmdrm	hypo	CHH	-0.0386
Gm17	23675427	23675560	Gmdrm	hypo	CHH	-0.0081
Gm17	23712718	23713710	Gmdrm	hypo	CHH	-0.0943
Gm17	23715329	23716327	Gmdrm	hypo	CHH	-0.027
Gm17	23720082	23721057	Gmdrm	hypo	CHH	-0.0883
Gm17	23735659	23736658	Gmdrm	hypo	CHH	-0.1219
Gm17	23797944	23798936	Gmdrm	hypo	CHH	-0.0359
Gm17	23798953	23799945	Gmdrm	hypo	CHH	-0.0404
Gm17	23802983	23803926	Gmdrm	hypo	CHH	-0.021
Gm17	23890744	23891372	Gmdrm	hypo	CHH	-0.0671
Gm17	23936610	23937577	Gmdrm	hypo	CHH	-0.0845
Gm17	23963258	23964257	Gmdrm	hypo	CHH	-0.0663
Gm17	23972317	23973315	Gmdrm	hypo	CHH	-0.0499
Gm17	23985178	23986164	Gmdrm	hypo	CHH	-0.0214
Gm17	24005605	24006601	Gmdrm	hypo	CHH	-0.0437
Gm17	24006607	24007606	Gmdrm	hypo	CHH	-0.0474
Gm17	24007612	24008575	Gmdrm	hypo	CHH	-0.0798
Gm17	24037497	24038483	Gmdrm	hypo	CHH	-0.0206
Gm17	24040531	24041531	Gmdrm	hypo	CHH	-0.0636
Gm17	24041533	24042533	Gmdrm	hypo	CHH	-0.025
Gm17	24075702	24076694	Gmdrm	hypo	CHH	-0.0316
Gm17	24078744	24079711	Gmdrm	hypo	CHH	-0.0165
Gm17	24081539	24082416	Gmdrm	hypo	CHH	-0.0323

Gm17	24082520	24083504	Gmdrm	hypo	CHH	-0.0525
Gm17	24092576	24093537	Gmdrm	hypo	CHH	-0.0494
Gm17	24106080	24107077	Gmdrm	hypo	CHH	-0.0894
Gm17	24114371	24114945	Gmdrm	hypo	CHH	-0.1065
Gm17	24115663	24116662	Gmdrm	hypo	CHH	-0.1097
Gm17	24188180	24189155	Gmdrm	hypo	CHH	-0.0896
Gm17	24196251	24197236	Gmdrm	hypo	CHH	-0.0459
Gm17	24197256	24198224	Gmdrm	hypo	CHH	-0.1057
Gm17	24198274	24198939	Gmdrm	hypo	CHH	-0.0186
Gm17	24203998	24204979	Gmdrm	hypo	CHH	-0.027
Gm17	24215678	24216648	Gmdrm	hypo	CHH	-0.0826
Gm17	24257008	24257781	Gmdrm	hypo	CHH	-0.0305
Gm17	24261535	24262433	Gmdrm	hypo	CHH	-0.0962
Gm17	24262746	24263742	Gmdrm	hypo	CHH	-0.0314
Gm17	24263749	24264749	Gmdrm	hypo	CHH	-0.0612
Gm17	24271295	24272264	Gmdrm	hypo	CHH	-0.0218
Gm17	24478567	24478587	Gmdrm	hypo	CHH	-0.0529
Gm17	24485906	24486887	Gmdrm	hypo	CHH	-0.0207
Gm17	24540510	24541505	Gmdrm	hypo	CHH	-0.0474
Gm17	24541519	24542519	Gmdrm	hypo	CHH	-0.0366
Gm17	24542523	24543046	Gmdrm	hypo	CHH	-0.0742
Gm17	24557363	24558361	Gmdrm	hypo	CHH	-0.0542
Gm17	24560386	24561369	Gmdrm	hypo	CHH	-0.0704
Gm17	24565907	24566889	Gmdrm	hypo	CHH	-0.029
Gm17	24567706	24568700	Gmdrm	hypo	CHH	-0.0186
Gm17	24579367	24580265	Gmdrm	hypo	CHH	-0.0436
Gm17	24580446	24581429	Gmdrm	hypo	CHH	-0.1023
Gm17	24585952	24586601	Gmdrm	hypo	CHH	-0.03
Gm17	24590875	24591871	Gmdrm	hypo	CHH	-0.0294
Gm17	24886107	24887103	Gmdrm	hypo	CHH	-0.1836
Gm17	24887109	24888102	Gmdrm	hypo	CHH	-0.0739
Gm17	24901524	24902518	Gmdrm	hypo	CHH	-0.0581
Gm17	24923171	24923234	Gmdrm	hypo	CHH	-0.096
Gm17	25031228	25032217	Gmdrm	hypo	CHH	-0.0289
Gm17	25252145	25252260	Gmdrm	hypo	CHH	-0.086
Gm17	25305120	25306113	Gmdrm	hypo	CHH	-0.1192
Gm17	25306124	25307121	Gmdrm	hypo	CHH	-0.0828
Gm17	25313143	25314024	Gmdrm	hypo	CHH	-0.044
Gm17	25315718	25316700	Gmdrm	hypo	CHH	-0.0199
Gm17	25332496	25333488	Gmdrm	hypo	CHH	-0.0334
Gm17	25385160	25386159	Gmdrm	hypo	CHH	-0.0428
Gm17	25390273	25390551	Gmdrm	hypo	CHH	-0.0647
Gm17	25463094	25464072	Gmdrm	hypo	CHH	-0.0494
Gm17	25576485	25576716	Gmdrm	hypo	CHH	-0.0493
Gm17	25579212	25580198	Gmdrm	hypo	CHH	-0.0285
Gm17	25580218	25581214	Gmdrm	hypo	CHH	-0.0809

Gm17	25634917	25635389	Gmdrm	hypo	CHH	-0.0496
Gm17	25639940	25640929	Gmdrm	hypo	CHH	-0.0644
Gm17	25643018	25644016	Gmdrm	hypo	CHH	-0.0178
Gm17	25651594	25652592	Gmdrm	hypo	CHH	-0.0686
Gm17	25747501	25748495	Gmdrm	hypo	CHH	-0.0555
Gm17	25750534	25751527	Gmdrm	hypo	CHH	-0.0362
Gm17	25850423	25851421	Gmdrm	hypo	CHH	-0.124
Gm17	25851424	25852424	Gmdrm	hypo	CHH	-0.043
Gm17	25852427	25853406	Gmdrm	hypo	CHH	-0.0937
Gm17	25853459	25854458	Gmdrm	hypo	CHH	-0.0807
Gm17	25854463	25854516	Gmdrm	hypo	CHH	-0.2036
Gm17	25854864	25855009	Gmdrm	hypo	CHH	-0.1044
Gm17	25855125	25856106	Gmdrm	hypo	CHH	-0.0718
Gm17	25857207	25858207	Gmdrm	hypo	CHH	-0.0386
Gm17	25858214	25859206	Gmdrm	hypo	CHH	-0.0321
Gm17	25859218	25860210	Gmdrm	hypo	CHH	-0.0798
Gm17	25890630	25890905	Gmdrm	hypo	CHH	-0.0536
Gm17	26069175	26070174	Gmdrm	hypo	CHH	-0.0383
Gm17	26070179	26071171	Gmdrm	hypo	CHH	-0.0149
Gm17	26175502	26175956	Gmdrm	hypo	CHH	-0.0232
Gm17	26176292	26177289	Gmdrm	hypo	CHH	-0.1733
Gm17	26195488	26196487	Gmdrm	hypo	CHH	-0.0412
Gm17	26198654	26198995	Gmdrm	hypo	CHH	-0.0473
Gm17	26206272	26207263	Gmdrm	hypo	CHH	-0.0757
Gm17	26300960	26301951	Gmdrm	hypo	CHH	-0.0285
Gm17	26417805	26418804	Gmdrm	hypo	CHH	-0.0311
Gm17	26421434	26422421	Gmdrm	hypo	CHH	-0.0133
Gm17	26423536	26424534	Gmdrm	hypo	CHH	-0.096
Gm17	26481427	26481620	Gmdrm	hypo	CHH	-0.1791
Gm17	26487923	26488887	Gmdrm	hypo	CHH	-0.0247
Gm17	26512842	26513839	Gmdrm	hypo	CHH	-0.0218
Gm17	26513874	26514845	Gmdrm	hypo	CHH	-0.0447
Gm17	26526192	26527173	Gmdrm	hypo	CHH	-0.0465
Gm17	26530217	26531217	Gmdrm	hypo	CHH	-0.0485
Gm17	26531223	26532218	Gmdrm	hypo	CHH	-0.0433
Gm17	26534669	26535668	Gmdrm	hypo	CHH	-0.0871
Gm17	26743689	26744688	Gmdrm	hypo	CHH	-0.0469
Gm17	26748635	26749244	Gmdrm	hypo	CHH	-0.0846
Gm17	26755634	26756634	Gmdrm	hypo	CHH	-0.2175
Gm17	26756635	26757613	Gmdrm	hypo	CHH	-0.1624
Gm17	26762742	26763704	Gmdrm	hypo	CHH	-0.0213
Gm17	26811894	26811956	Gmdrm	hypo	CHH	-0.2517
Gm17	26937479	26938448	Gmdrm	hypo	CHH	-0.0553
Gm17	26947532	26948532	Gmdrm	hypo	CHH	-0.0925
Gm17	27039831	27040238	Gmdrm	hypo	CHH	-0.031
Gm17	27045479	27046469	Gmdrm	hypo	CHH	-0.0215

Gm17	27132671	27132717 Gmdrm	hypo	CHH	-0.1363
Gm17	27151710	27152710 Gmdrm	hypo	CHH	-0.0377
Gm17	27153282	27153814 Gmdrm	hypo	CHH	-0.0503
Gm17	27168016	27169016 Gmdrm	hypo	CHH	-0.0427
Gm17	27170025	27171017 Gmdrm	hypo	CHH	-0.0308
Gm17	27176386	27177378 Gmdrm	hypo	CHH	-0.1244
Gm17	27202690	27203690 Gmdrm	hypo	CHH	-0.0189
Gm17	27212092	27213089 Gmdrm	hypo	CHH	-0.0167
Gm17	27213093	27214093 Gmdrm	hypo	CHH	-0.02
Gm17	27223223	27224206 Gmdrm	hypo	CHH	-0.0419
Gm17	27227774	27227875 Gmdrm	hypo	CHH	-0.04
Gm17	27228025	27228741 Gmdrm	hypo	CHH	-0.1629
Gm17	27228889	27229307 Gmdrm	hypo	CHH	-0.0682
Gm17	27241575	27241678 Gmdrm	hypo	CHH	-0.2656
Gm17	27242390	27243385 Gmdrm	hypo	CHH	-0.0492
Gm17	27243393	27244389 Gmdrm	hypo	CHH	-0.0139
Gm17	27316018	27317017 Gmdrm	hypo	CHH	-0.0653
Gm17	27317019	27318017 Gmdrm	hypo	CHH	-0.0488
Gm17	27319383	27320069 Gmdrm	hypo	CHH	-0.0693
Gm17	27320189	27321187 Gmdrm	hypo	CHH	-0.0173
Gm17	27321734	27322053 Gmdrm	hypo	CHH	-0.0476
Gm17	27344017	27345016 Gmdrm	hypo	CHH	-0.047
Gm17	27345018	27346011 Gmdrm	hypo	CHH	-0.0293
Gm17	27346035	27347007 Gmdrm	hypo	CHH	-0.0173
Gm17	27350613	27351437 Gmdrm	hypo	CHH	-0.155
Gm17	27425195	27426182 Gmdrm	hypo	CHH	-0.0215
Gm17	27426196	27427196 Gmdrm	hypo	CHH	-0.081
Gm17	27427199	27428198 Gmdrm	hypo	CHH	-0.0514
Gm17	27444468	27445468 Gmdrm	hypo	CHH	-0.0584
Gm17	27453025	27454021 Gmdrm	hypo	CHH	-0.0364
Gm17	27522998	27523998 Gmdrm	hypo	CHH	-0.0658
Gm17	27523999	27524989 Gmdrm	hypo	CHH	-0.0904
Gm17	27781506	27782504 Gmdrm	hypo	CHH	-0.0646
Gm17	27782508	27782776 Gmdrm	hypo	CHH	-0.1079
Gm17	27790022	27790353 Gmdrm	hypo	CHH	-0.0791
Gm17	27790972	27791970 Gmdrm	hypo	CHH	-0.1021
Gm17	27791982	27792981 Gmdrm	hypo	CHH	-0.1096
Gm17	27840231	27840505 Gmdrm	hypo	CHH	-0.0961
Gm17	28020515	28020539 Gmdrm	hypo	CHH	-0.076
Gm17	28066934	28067927 Gmdrm	hypo	CHH	-0.1049
Gm17	28143476	28144471 Gmdrm	hypo	CHH	-0.0735
Gm17	28144486	28145465 Gmdrm	hypo	CHH	-0.1278
Gm17	28145493	28146486 Gmdrm	hypo	CHH	-0.0731
Gm17	28157395	28158392 Gmdrm	hypo	CHH	-0.0327
Gm17	28159346	28160338 Gmdrm	hypo	CHH	-0.0547
Gm17	28164145	28165145 Gmdrm	hypo	CHH	-0.0305

Gm17	28165170	28166024	Gmdrm	hypo	CHH	-0.0295
Gm17	28169101	28170097	Gmdrm	hypo	CHH	-0.1123
Gm17	28178945	28179280	Gmdrm	hypo	CHH	-0.0473
Gm17	28376223	28377212	Gmdrm	hypo	CHH	-0.0568
Gm17	28391406	28392401	Gmdrm	hypo	CHH	-0.0579
Gm17	28764839	28765828	Gmdrm	hypo	CHH	-0.0988
Gm17	28768467	28769443	Gmdrm	hypo	CHH	-0.0163
Gm17	28777300	28778298	Gmdrm	hypo	CHH	-0.1111
Gm17	28834838	28835810	Gmdrm	hypo	CHH	-0.0887
Gm17	28839457	28840090	Gmdrm	hypo	CHH	-0.0586
Gm17	28842801	28843799	Gmdrm	hypo	CHH	-0.0236
Gm17	28854911	28855898	Gmdrm	hypo	CHH	-0.0265
Gm17	28862318	28863317	Gmdrm	hypo	CHH	-0.1225
Gm17	28874279	28875184	Gmdrm	hypo	CHH	-0.2149
Gm17	28929580	28930574	Gmdrm	hypo	CHH	-0.0758
Gm17	28930593	28931589	Gmdrm	hypo	CHH	-0.1878
Gm17	28931598	28932510	Gmdrm	hypo	CHH	-0.2075
Gm17	28938023	28939003	Gmdrm	hypo	CHH	-0.1625
Gm17	28939050	28939106	Gmdrm	hypo	CHH	-0.0455
Gm17	28974402	28974560	Gmdrm	hypo	CHH	-0.1735
Gm17	28974673	28974720	Gmdrm	hypo	CHH	-0.2034
Gm17	28996006	28997004	Gmdrm	hypo	CHH	-0.0864
Gm17	28997007	28997781	Gmdrm	hypo	CHH	-0.0933
Gm17	29006118	29007116	Gmdrm	hypo	CHH	-0.0204
Gm17	29089908	29090889	Gmdrm	hypo	CHH	-0.0247
Gm17	29102632	29103631	Gmdrm	hypo	CHH	-0.0667
Gm17	29107009	29107205	Gmdrm	hypo	CHH	-0.048
Gm17	29107312	29108188	Gmdrm	hypo	CHH	-0.0225
Gm17	29155543	29156529	Gmdrm	hypo	CHH	-0.1082
Gm17	29188866	29189848	Gmdrm	hypo	CHH	-0.0473
Gm17	29220148	29221141	Gmdrm	hypo	CHH	-0.0401
Gm17	29221149	29222133	Gmdrm	hypo	CHH	-0.0116
Gm17	29222160	29223153	Gmdrm	hypo	CHH	-0.0131
Gm17	29223920	29224917	Gmdrm	hypo	CHH	-0.0512
Gm17	29264220	29264406	Gmdrm	hypo	CHH	-0.1167
Gm17	29426594	29426666	Gmdrm	hypo	CHH	-0.1933
Gm17	29732245	29732440	Gmdrm	hypo	CHH	-0.1635
Gm17	29764778	29765722	Gmdrm	hypo	CHH	-0.0343
Gm17	29845606	29846594	Gmdrm	hypo	CHH	-0.018
Gm17	29847622	29848621	Gmdrm	hypo	CHH	-0.029
Gm17	30000696	30001678	Gmdrm	hypo	CHH	-0.0753
Gm17	30001702	30002701	Gmdrm	hypo	CHH	-0.0184
Gm17	30004700	30005092	Gmdrm	hypo	CHH	-0.0282
Gm17	30031918	30031943	Gmdrm	hypo	CHH	-0.16
Gm17	30039482	30040482	Gmdrm	hypo	CHH	-0.0524
Gm17	30099284	30100277	Gmdrm	hypo	CHH	-0.0525

Gm17	30100315	30100974	Gmdrm	hypo	CHH	-0.0781
Gm17	30165468	30166467	Gmdrm	hypo	CHH	-0.0363
Gm17	30210288	30211257	Gmdrm	hypo	CHH	-0.0111
Gm17	30215229	30216214	Gmdrm	hypo	CHH	-0.0377
Gm17	30216241	30217228	Gmdrm	hypo	CHH	-0.028
Gm17	30217264	30218256	Gmdrm	hypo	CHH	-0.0155
Gm17	30219899	30220460	Gmdrm	hypo	CHH	-0.0196
Gm17	30284557	30285551	Gmdrm	hypo	CHH	-0.0647
Gm17	30285558	30285853	Gmdrm	hypo	CHH	-0.1854
Gm17	30286959	30287956	Gmdrm	hypo	CHH	-0.0738
Gm17	30287969	30288969	Gmdrm	hypo	CHH	-0.0291
Gm17	30317646	30317701	Gmdrm	hypo	CHH	-0.105
Gm17	30325151	30326137	Gmdrm	hypo	CHH	-0.0572
Gm17	30361967	30362940	Gmdrm	hypo	CHH	-0.0351
Gm17	30364476	30365475	Gmdrm	hypo	CHH	-0.0303
Gm17	30365508	30366154	Gmdrm	hypo	CHH	-0.1823
Gm17	30371482	30372482	Gmdrm	hypo	CHH	-0.0478
Gm17	30372487	30373109	Gmdrm	hypo	CHH	-0.0484
Gm17	30376549	30377544	Gmdrm	hypo	CHH	-0.0984
Gm17	30535233	30536231	Gmdrm	hypo	CHH	-0.0381
Gm17	30547468	30548464	Gmdrm	hypo	CHH	-0.0422
Gm17	30548483	30549476	Gmdrm	hypo	CHH	-0.0379
Gm17	30553539	30554490	Gmdrm	hypo	CHH	-0.0288
Gm17	30558695	30559275	Gmdrm	hypo	CHH	-0.0293
Gm17	30561618	30562593	Gmdrm	hypo	CHH	-0.3091
Gm17	30585430	30586426	Gmdrm	hypo	CHH	-0.0347
Gm17	30599408	30600369	Gmdrm	hypo	CHH	-0.1077
Gm17	30600423	30600890	Gmdrm	hypo	CHH	-0.1354
Gm17	30616756	30617198	Gmdrm	hypo	CHH	-0.0641
Gm17	30617350	30618343	Gmdrm	hypo	CHH	-0.0598
Gm17	30625321	30626321	Gmdrm	hypo	CHH	-0.0774
Gm17	30645490	30646488	Gmdrm	hypo	CHH	-0.0591
Gm17	30654513	30655487	Gmdrm	hypo	CHH	-0.0163
Gm17	30688447	30689205	Gmdrm	hypo	CHH	-0.1368
Gm17	30806259	30806603	Gmdrm	hypo	CHH	-0.0384
Gm17	30807263	30807846	Gmdrm	hypo	CHH	-0.0221
Gm17	30825184	30826165	Gmdrm	hypo	CHH	-0.0283
Gm17	30829274	30830272	Gmdrm	hypo	CHH	-0.0147
Gm17	30936444	30937444	Gmdrm	hypo	CHH	-0.0349
Gm17	30940553	30940899	Gmdrm	hypo	CHH	-0.045
Gm17	30944384	30945365	Gmdrm	hypo	CHH	-0.0336
Gm17	30971276	30972271	Gmdrm	hypo	CHH	-0.0416
Gm17	30972320	30973316	Gmdrm	hypo	CHH	-0.0166
Gm17	30979284	30979645	Gmdrm	hypo	CHH	-0.0641
Gm17	30980932	30981931	Gmdrm	hypo	CHH	-0.0513
Gm17	30982962	30983950	Gmdrm	hypo	CHH	-0.0174

Gm17	31019661	31020618	Gmdrm	hypo	CHH	-0.0648
Gm17	31026228	31027226	Gmdrm	hypo	CHH	-0.0332
Gm17	31034368	31035367	Gmdrm	hypo	CHH	-0.0192
Gm17	31069454	31070453	Gmdrm	hypo	CHH	-0.0616
Gm17	31070457	31071448	Gmdrm	hypo	CHH	-0.0491
Gm17	31076244	31077229	Gmdrm	hypo	CHH	-0.1045
Gm17	31077264	31078222	Gmdrm	hypo	CHH	-0.0532
Gm17	31078265	31079248	Gmdrm	hypo	CHH	-0.0103
Gm17	31080273	31081259	Gmdrm	hypo	CHH	-0.0451
Gm17	31083319	31084318	Gmdrm	hypo	CHH	-0.0327
Gm17	31084328	31085305	Gmdrm	hypo	CHH	-0.0175
Gm17	31085335	31086334	Gmdrm	hypo	CHH	-0.0275
Gm17	31086340	31087340	Gmdrm	hypo	CHH	-0.0952
Gm17	31087341	31088324	Gmdrm	hypo	CHH	-0.0288
Gm17	31103187	31104157	Gmdrm	hypo	CHH	-0.0717
Gm17	31117267	31118262	Gmdrm	hypo	CHH	-0.0413
Gm17	31118268	31119268	Gmdrm	hypo	CHH	-0.1159
Gm17	31121312	31122258	Gmdrm	hypo	CHH	-0.1996
Gm17	31125279	31126277	Gmdrm	hypo	CHH	-0.0735
Gm17	31148930	31149915	Gmdrm	hypo	CHH	-0.0247
Gm17	31171235	31172235	Gmdrm	hypo	CHH	-0.0261
Gm17	31175435	31176421	Gmdrm	hypo	CHH	-0.02
Gm17	31179516	31179605	Gmdrm	hypo	CHH	-0.04
Gm17	31227814	31228810	Gmdrm	hypo	CHH	-0.0609
Gm17	31236618	31236797	Gmdrm	hypo	CHH	-0.1477
Gm17	31239553	31240550	Gmdrm	hypo	CHH	-0.0453
Gm17	31245792	31246762	Gmdrm	hypo	CHH	-0.0151
Gm17	31250169	31251153	Gmdrm	hypo	CHH	-0.0579
Gm17	31251179	31252179	Gmdrm	hypo	CHH	-0.0439
Gm17	31260573	31261563	Gmdrm	hypo	CHH	-0.0294
Gm17	31265412	31266409	Gmdrm	hypo	CHH	-0.1203
Gm17	31266418	31267385	Gmdrm	hypo	CHH	-0.1859
Gm17	31267443	31268440	Gmdrm	hypo	CHH	-0.0547
Gm17	31268451	31268999	Gmdrm	hypo	CHH	-0.0777
Gm17	31269251	31270219	Gmdrm	hypo	CHH	-0.0528
Gm17	31270276	31271265	Gmdrm	hypo	CHH	-0.1705
Gm17	31271277	31272267	Gmdrm	hypo	CHH	-0.1854
Gm17	31272301	31273087	Gmdrm	hypo	CHH	-0.0442
Gm17	31353093	31353944	Gmdrm	hypo	CHH	-0.0745
Gm17	31389625	31389883	Gmdrm	hypo	CHH	-0.1313
Gm17	31444721	31445270	Gmdrm	hypo	CHH	-0.0204
Gm17	31446758	31447757	Gmdrm	hypo	CHH	-0.0175
Gm17	31452150	31453148	Gmdrm	hypo	CHH	-0.021
Gm17	31457725	31458723	Gmdrm	hypo	CHH	-0.0442
Gm17	31458748	31459737	Gmdrm	hypo	CHH	-0.0151
Gm17	31464386	31465384	Gmdrm	hypo	CHH	-0.1489

Gm17	31465388	31466370 Gmdrm	hypo	CHH	-0.0204
Gm17	31477626	31478601 Gmdrm	hypo	CHH	-0.1687
Gm17	31482994	31483978 Gmdrm	hypo	CHH	-0.0529
Gm17	31508174	31508697 Gmdrm	hypo	CHH	-0.0266
Gm17	31513216	31514206 Gmdrm	hypo	CHH	-0.0484
Gm17	31515312	31516308 Gmdrm	hypo	CHH	-0.0566
Gm17	31528456	31529444 Gmdrm	hypo	CHH	-0.0729
Gm17	31575203	31576202 Gmdrm	hypo	CHH	-0.0608
Gm17	31576206	31577202 Gmdrm	hypo	CHH	-0.0466
Gm17	31593748	31594746 Gmdrm	hypo	CHH	-0.024
Gm17	31602619	31603039 Gmdrm	hypo	CHH	-0.1959
Gm17	31607965	31608941 Gmdrm	hypo	CHH	-0.0262
Gm17	31609980	31610958 Gmdrm	hypo	CHH	-0.0132
Gm17	31616018	31617013 Gmdrm	hypo	CHH	-0.0422
Gm17	31617023	31617187 Gmdrm	hypo	CHH	-0.195
Gm17	31617487	31618119 Gmdrm	hypo	CHH	-0.1453
Gm17	31619261	31620245 Gmdrm	hypo	CHH	-0.0318
Gm17	31620268	31621268 Gmdrm	hypo	CHH	-0.0194
Gm17	31660600	31661600 Gmdrm	hypo	CHH	-0.077
Gm17	31661608	31662608 Gmdrm	hypo	CHH	-0.0689
Gm17	31662619	31663603 Gmdrm	hypo	CHH	-0.0248
Gm17	31705079	31706054 Gmdrm	hypo	CHH	-0.1818
Gm17	31715182	31716039 Gmdrm	hypo	CHH	-0.0406
Gm17	31720692	31721655 Gmdrm	hypo	CHH	-0.0369
Gm17	31721729	31722728 Gmdrm	hypo	CHH	-0.036
Gm17	31722738	31723734 Gmdrm	hypo	CHH	-0.0611
Gm17	31724746	31725289 Gmdrm	hypo	CHH	-0.0889
Gm17	31728126	31729113 Gmdrm	hypo	CHH	-0.0225
Gm17	31729130	31730126 Gmdrm	hypo	CHH	-0.0486
Gm17	31730145	31731135 Gmdrm	hypo	CHH	-0.0485
Gm17	31749139	31750138 Gmdrm	hypo	CHH	-0.0346
Gm17	31750140	31751139 Gmdrm	hypo	CHH	-0.0529
Gm17	31751142	31751736 Gmdrm	hypo	CHH	-0.1186
Gm17	31751864	31752203 Gmdrm	hypo	CHH	-0.0981
Gm17	31752316	31753306 Gmdrm	hypo	CHH	-0.083
Gm17	31753318	31754317 Gmdrm	hypo	CHH	-0.028
Gm17	31754325	31755325 Gmdrm	hypo	CHH	-0.0135
Gm17	31755326	31756323 Gmdrm	hypo	CHH	-0.032
Gm17	31762043	31763043 Gmdrm	hypo	CHH	-0.0424
Gm17	31763050	31764035 Gmdrm	hypo	CHH	-0.1003
Gm17	31774646	31775644 Gmdrm	hypo	CHH	-0.1765
Gm17	31782080	31782367 Gmdrm	hypo	CHH	-0.0508
Gm17	31792972	31793962 Gmdrm	hypo	CHH	-0.0417
Gm17	31793974	31794970 Gmdrm	hypo	CHH	-0.0794
Gm17	31794976	31795966 Gmdrm	hypo	CHH	-0.0505
Gm17	31795988	31796986 Gmdrm	hypo	CHH	-0.0803

Gm17	31797006	31798002	Gmdrm	hypo	CHH	-0.0932
Gm17	31798007	31799003	Gmdrm	hypo	CHH	-0.1616
Gm17	31801825	31802745	Gmdrm	hypo	CHH	-0.0747
Gm17	31815031	31816027	Gmdrm	hypo	CHH	-0.0656
Gm17	31827840	31828834	Gmdrm	hypo	CHH	-0.0247
Gm17	31851368	31852358	Gmdrm	hypo	CHH	-0.2394
Gm17	31852375	31853369	Gmdrm	hypo	CHH	-0.0571
Gm17	31857029	31857827	Gmdrm	hypo	CHH	-0.0565
Gm17	31857942	31858937	Gmdrm	hypo	CHH	-0.0647
Gm17	31865260	31866257	Gmdrm	hypo	CHH	-0.0401
Gm17	31880524	31880871	Gmdrm	hypo	CHH	-0.0279
Gm17	31885900	31886884	Gmdrm	hypo	CHH	-0.0615
Gm17	31891969	31892248	Gmdrm	hypo	CHH	-0.0253
Gm17	31896681	31897679	Gmdrm	hypo	CHH	-0.0309
Gm17	31929210	31930204	Gmdrm	hypo	CHH	-0.0904
Gm17	31930217	31931214	Gmdrm	hypo	CHH	-0.0633
Gm17	31939899	31940893	Gmdrm	hypo	CHH	-0.0205
Gm17	31955382	31956359	Gmdrm	hypo	CHH	-0.0445
Gm17	31956383	31957379	Gmdrm	hypo	CHH	-0.0483
Gm17	31976813	31977812	Gmdrm	hypo	CHH	-0.0478
Gm17	32006543	32007514	Gmdrm	hypo	CHH	-0.0497
Gm17	32007551	32007694	Gmdrm	hypo	CHH	-0.2185
Gm17	32007958	32008947	Gmdrm	hypo	CHH	-0.0094
Gm17	32011385	32012380	Gmdrm	hypo	CHH	-0.0135
Gm17	32012427	32013045	Gmdrm	hypo	CHH	-0.025
Gm17	32015397	32016055	Gmdrm	hypo	CHH	-0.0417
Gm17	32016189	32017187	Gmdrm	hypo	CHH	-0.0925
Gm17	32017195	32018193	Gmdrm	hypo	CHH	-0.0417
Gm17	32026731	32027716	Gmdrm	hypo	CHH	-0.0441
Gm17	32027733	32028689	Gmdrm	hypo	CHH	-0.0315
Gm17	32033486	32034482	Gmdrm	hypo	CHH	-0.0229
Gm17	32034505	32035436	Gmdrm	hypo	CHH	-0.0171
Gm17	32036620	32036844	Gmdrm	hypo	CHH	-0.1125
Gm17	32038012	32038997	Gmdrm	hypo	CHH	-0.037
Gm17	32040032	32041005	Gmdrm	hypo	CHH	-0.0371
Gm17	32041035	32041738	Gmdrm	hypo	CHH	-0.087
Gm17	32047975	32048573	Gmdrm	hypo	CHH	-0.0193
Gm17	32054958	32055651	Gmdrm	hypo	CHH	-0.0638
Gm17	32056805	32057771	Gmdrm	hypo	CHH	-0.0162
Gm17	32058824	32059224	Gmdrm	hypo	CHH	-0.032
Gm17	32059439	32060427	Gmdrm	hypo	CHH	-0.0185
Gm17	32077470	32078437	Gmdrm	hypo	CHH	-0.0127
Gm17	32106987	32107979	Gmdrm	hypo	CHH	-0.077
Gm17	32107992	32108985	Gmdrm	hypo	CHH	-0.0965
Gm17	32118337	32119335	Gmdrm	hypo	CHH	-0.0776
Gm17	32135892	32136136	Gmdrm	hypo	CHH	-0.1188

Gm17	32137530	32138331	Gmdrm	hypo	CHH	-0.0241
Gm17	32154677	32155655	Gmdrm	hypo	CHH	-0.1018
Gm17	32156370	32157368	Gmdrm	hypo	CHH	-0.0994
Gm17	32157371	32158360	Gmdrm	hypo	CHH	-0.0698
Gm17	32197300	32198287	Gmdrm	hypo	CHH	-0.0454
Gm17	32198593	32199103	Gmdrm	hypo	CHH	-0.0267
Gm17	32199400	32199766	Gmdrm	hypo	CHH	-0.0563
Gm17	32206719	32207711	Gmdrm	hypo	CHH	-0.0332
Gm17	32218467	32218884	Gmdrm	hypo	CHH	-0.016
Gm17	32225354	32226354	Gmdrm	hypo	CHH	-0.0792
Gm17	32226357	32227196	Gmdrm	hypo	CHH	-0.0846
Gm17	32228560	32229544	Gmdrm	hypo	CHH	-0.0155
Gm17	32232907	32233887	Gmdrm	hypo	CHH	-0.0903
Gm17	32233910	32234170	Gmdrm	hypo	CHH	-0.11
Gm17	32237535	32238142	Gmdrm	hypo	CHH	-0.0605
Gm17	32248018	32248064	Gmdrm	hypo	CHH	-0.0817
Gm17	32250342	32251316	Gmdrm	hypo	CHH	-0.0354
Gm17	32292872	32293872	Gmdrm	hypo	CHH	-0.0459
Gm17	32324646	32325644	Gmdrm	hypo	CHH	-0.0283
Gm17	32353065	32353206	Gmdrm	hypo	CHH	-0.03
Gm17	32354944	32355431	Gmdrm	hypo	CHH	-0.018
Gm17	32369473	32370471	Gmdrm	hypo	CHH	-0.0485
Gm17	32391764	32392756	Gmdrm	hypo	CHH	-0.0128
Gm17	32420511	32421256	Gmdrm	hypo	CHH	-0.0493
Gm17	32423384	32424382	Gmdrm	hypo	CHH	-0.0109
Gm17	32424401	32425400	Gmdrm	hypo	CHH	-0.0645
Gm17	32437522	32438517	Gmdrm	hypo	CHH	-0.0397
Gm17	32446068	32447057	Gmdrm	hypo	CHH	-0.0272
Gm17	32447072	32448064	Gmdrm	hypo	CHH	-0.0186
Gm17	32457160	32458157	Gmdrm	hypo	CHH	-0.0413
Gm17	32477237	32477827	Gmdrm	hypo	CHH	-0.0463
Gm17	32486352	32486452	Gmdrm	hypo	CHH	-0.09
Gm17	32553075	32553375	Gmdrm	hypo	CHH	-0.1396
Gm17	32705319	32705454	Gmdrm	hypo	CHH	-0.0925
Gm17	32737449	32737662	Gmdrm	hypo	CHH	-0.1667
Gm17	32740785	32741781	Gmdrm	hypo	CHH	-0.1365
Gm17	32777917	32778916	Gmdrm	hypo	CHH	-0.0366
Gm17	32785470	32786436	Gmdrm	hypo	CHH	-0.1062
Gm17	32789576	32790030	Gmdrm	hypo	CHH	-0.0322
Gm17	32790772	32791758	Gmdrm	hypo	CHH	-0.0347
Gm17	32841198	32842197	Gmdrm	hypo	CHH	-0.0393
Gm17	32869865	32870865	Gmdrm	hypo	CHH	-0.0591
Gm17	32958038	32959034	Gmdrm	hypo	CHH	-0.0294
Gm17	32960882	32961863	Gmdrm	hypo	CHH	-0.0326
Gm17	32971336	32972328	Gmdrm	hypo	CHH	-0.0501
Gm17	32992159	32992951	Gmdrm	hypo	CHH	-0.0845

Gm17	33053712	33054695 Gmdrm	hypo	CHH	-0.0558
Gm17	33089702	33090413 Gmdrm	hypo	CHH	-0.0478
Gm17	33095829	33096556 Gmdrm	hypo	CHH	-0.0718
Gm17	33096797	33097396 Gmdrm	hypo	CHH	-0.0377
Gm17	33108737	33109558 Gmdrm	hypo	CHH	-0.023
Gm17	33142327	33143318 Gmdrm	hypo	CHH	-0.0273
Gm17	33143346	33144333 Gmdrm	hypo	CHH	-0.0345
Gm17	33144367	33145352 Gmdrm	hypo	CHH	-0.1027
Gm17	33174131	33175123 Gmdrm	hypo	CHH	-0.0367
Gm17	33175136	33176136 Gmdrm	hypo	CHH	-0.1151
Gm17	33208645	33209644 Gmdrm	hypo	CHH	-0.0569
Gm17	33221747	33222687 Gmdrm	hypo	CHH	-0.056
Gm17	33246382	33247379 Gmdrm	hypo	CHH	-0.0351
Gm17	33247384	33248383 Gmdrm	hypo	CHH	-0.0341
Gm17	33248393	33249372 Gmdrm	hypo	CHH	-0.0357
Gm17	33258259	33259247 Gmdrm	hypo	CHH	-0.0517
Gm17	33259270	33260243 Gmdrm	hypo	CHH	-0.0537
Gm17	33275090	33276080 Gmdrm	hypo	CHH	-0.0437
Gm17	33300230	33300403 Gmdrm	hypo	CHH	-0.0543
Gm17	33307920	33308083 Gmdrm	hypo	CHH	-0.064
Gm17	33314181	33315175 Gmdrm	hypo	CHH	-0.0377
Gm17	33315194	33316171 Gmdrm	hypo	CHH	-0.0347
Gm17	33336286	33337274 Gmdrm	hypo	CHH	-0.0309
Gm17	33342875	33343867 Gmdrm	hypo	CHH	-0.031
Gm17	33343889	33344869 Gmdrm	hypo	CHH	-0.025
Gm17	33345896	33346893 Gmdrm	hypo	CHH	-0.0983
Gm17	33346901	33347896 Gmdrm	hypo	CHH	-0.0585
Gm17	33347902	33348869 Gmdrm	hypo	CHH	-0.0698
Gm17	33358371	33359361 Gmdrm	hypo	CHH	-0.0663
Gm17	33362706	33363699 Gmdrm	hypo	CHH	-0.0398
Gm17	33363707	33364705 Gmdrm	hypo	CHH	-0.0391
Gm17	33370188	33371130 Gmdrm	hypo	CHH	-0.0385
Gm17	33375264	33376258 Gmdrm	hypo	CHH	-0.0497
Gm17	33376267	33377252 Gmdrm	hypo	CHH	-0.0466
Gm17	33377269	33378266 Gmdrm	hypo	CHH	-0.0313
Gm17	33379923	33380727 Gmdrm	hypo	CHH	-0.189
Gm17	33381140	33381478 Gmdrm	hypo	CHH	-0.4208
Gm17	33400949	33401345 Gmdrm	hypo	CHH	-0.0686
Gm17	33402370	33402456 Gmdrm	hypo	CHH	-0.046
Gm17	33402602	33403597 Gmdrm	hypo	CHH	-0.0268
Gm17	33403604	33404333 Gmdrm	hypo	CHH	-0.1919
Gm17	33416155	33417146 Gmdrm	hypo	CHH	-0.0124
Gm17	33419026	33420024 Gmdrm	hypo	CHH	-0.0314
Gm17	33420031	33421030 Gmdrm	hypo	CHH	-0.0409
Gm17	33422780	33423759 Gmdrm	hypo	CHH	-0.1943
Gm17	33423781	33424779 Gmdrm	hypo	CHH	-0.0396

Gm17	33435172	33436160 Gmdrm	hypo	CHH	-0.0351
Gm17	33436185	33437169 Gmdrm	hypo	CHH	-0.0153
Gm17	33438194	33438665 Gmdrm	hypo	CHH	-0.0533
Gm17	33441910	33442903 Gmdrm	hypo	CHH	-0.0339
Gm17	33451572	33452571 Gmdrm	hypo	CHH	-0.031
Gm17	33467694	33468240 Gmdrm	hypo	CHH	-0.0228
Gm17	33477664	33478662 Gmdrm	hypo	CHH	-0.0286
Gm17	33480344	33480444 Gmdrm	hypo	CHH	-0.3171
Gm17	33480841	33481397 Gmdrm	hypo	CHH	-0.0984
Gm17	33482290	33483286 Gmdrm	hypo	CHH	-0.0671
Gm17	33488949	33489161 Gmdrm	hypo	CHH	-0.04
Gm17	33490002	33490979 Gmdrm	hypo	CHH	-0.0182
Gm17	33497157	33498146 Gmdrm	hypo	CHH	-0.0214
Gm17	33500199	33501196 Gmdrm	hypo	CHH	-0.0722
Gm17	33567748	33568731 Gmdrm	hypo	CHH	-0.0377
Gm17	33574831	33575753 Gmdrm	hypo	CHH	-0.0696
Gm17	33585624	33586623 Gmdrm	hypo	CHH	-0.0617
Gm17	33586626	33587067 Gmdrm	hypo	CHH	-0.045
Gm17	33590172	33591142 Gmdrm	hypo	CHH	-0.0357
Gm17	33591181	33592181 Gmdrm	hypo	CHH	-0.038
Gm17	33592183	33592232 Gmdrm	hypo	CHH	-0.2627
Gm17	33592346	33593338 Gmdrm	hypo	CHH	-0.0603
Gm17	33593347	33593899 Gmdrm	hypo	CHH	-0.0935
Gm17	33596083	33597079 Gmdrm	hypo	CHH	-0.0287
Gm17	33599222	33600059 Gmdrm	hypo	CHH	-0.0265
Gm17	33604156	33605151 Gmdrm	hypo	CHH	-0.0193
Gm17	33605179	33606179 Gmdrm	hypo	CHH	-0.0617
Gm17	33615320	33616314 Gmdrm	hypo	CHH	-0.0612
Gm17	33626373	33627367 Gmdrm	hypo	CHH	-0.0354
Gm17	33628450	33629443 Gmdrm	hypo	CHH	-0.019
Gm17	33629453	33630450 Gmdrm	hypo	CHH	-0.0228
Gm17	33699587	33700575 Gmdrm	hypo	CHH	-0.0168
Gm17	33700589	33701561 Gmdrm	hypo	CHH	-0.0196
Gm17	33718142	33719129 Gmdrm	hypo	CHH	-0.0438
Gm17	33721023	33721359 Gmdrm	hypo	CHH	-0.089
Gm17	33723908	33724895 Gmdrm	hypo	CHH	-0.0656
Gm17	33724917	33725486 Gmdrm	hypo	CHH	-0.0716
Gm17	33733376	33734142 Gmdrm	hypo	CHH	-0.1214
Gm17	33736782	33737782 Gmdrm	hypo	CHH	-0.0366
Gm17	33737785	33738769 Gmdrm	hypo	CHH	-0.0866
Gm17	33738789	33739780 Gmdrm	hypo	CHH	-0.0814
Gm17	33742639	33743456 Gmdrm	hypo	CHH	-0.0595
Gm17	33749381	33750377 Gmdrm	hypo	CHH	-0.0485
Gm17	33782326	33783325 Gmdrm	hypo	CHH	-0.0471
Gm17	33784336	33785335 Gmdrm	hypo	CHH	-0.0437
Gm17	33785346	33786335 Gmdrm	hypo	CHH	-0.0305

Gm17	33787727	33788641	Gmdrm	hypo	CHH	-0.1929
Gm17	33794118	33795054	Gmdrm	hypo	CHH	-0.0181
Gm17	33845796	33846785	Gmdrm	hypo	CHH	-0.0531
Gm17	33865318	33866304	Gmdrm	hypo	CHH	-0.0393
Gm17	33866320	33867316	Gmdrm	hypo	CHH	-0.0212
Gm17	33867324	33868301	Gmdrm	hypo	CHH	-0.0576
Gm17	33882133	33883033	Gmdrm	hypo	CHH	-0.0153
Gm17	33910036	33911035	Gmdrm	hypo	CHH	-0.0266
Gm17	33922250	33923239	Gmdrm	hypo	CHH	-0.0516
Gm17	33923252	33924244	Gmdrm	hypo	CHH	-0.0289
Gm17	33964730	33965714	Gmdrm	hypo	CHH	-0.0742
Gm17	33965733	33966419	Gmdrm	hypo	CHH	-0.078
Gm17	34001358	34002135	Gmdrm	hypo	CHH	-0.0345
Gm17	34003339	34004339	Gmdrm	hypo	CHH	-0.0454
Gm17	34004344	34005332	Gmdrm	hypo	CHH	-0.0153
Gm17	34005354	34006338	Gmdrm	hypo	CHH	-0.0204
Gm17	34009414	34009836	Gmdrm	hypo	CHH	-0.0379
Gm17	34017457	34018457	Gmdrm	hypo	CHH	-0.0545
Gm17	34030517	34031517	Gmdrm	hypo	CHH	-0.032
Gm17	34031521	34032514	Gmdrm	hypo	CHH	-0.0504
Gm17	34052461	34053413	Gmdrm	hypo	CHH	-0.019
Gm17	34073319	34074261	Gmdrm	hypo	CHH	-0.0162
Gm17	34074372	34075352	Gmdrm	hypo	CHH	-0.0565
Gm17	34088039	34088263	Gmdrm	hypo	CHH	-0.0566
Gm17	34088470	34088653	Gmdrm	hypo	CHH	-0.0557
Gm17	34091416	34092409	Gmdrm	hypo	CHH	-0.0327
Gm17	34094425	34095415	Gmdrm	hypo	CHH	-0.0185
Gm17	34209762	34210755	Gmdrm	hypo	CHH	-0.0467
Gm17	34214512	34215511	Gmdrm	hypo	CHH	-0.0759
Gm17	34216534	34217530	Gmdrm	hypo	CHH	-0.0454
Gm17	34225795	34226759	Gmdrm	hypo	CHH	-0.014
Gm17	34227877	34228873	Gmdrm	hypo	CHH	-0.0181
Gm17	34235031	34236025	Gmdrm	hypo	CHH	-0.051
Gm17	34241961	34242961	Gmdrm	hypo	CHH	-0.0763
Gm17	34248271	34249219	Gmdrm	hypo	CHH	-0.0267
Gm17	34320985	34321981	Gmdrm	hypo	CHH	-0.0402
Gm17	34335938	34336928	Gmdrm	hypo	CHH	-0.0185
Gm17	34417194	34418180	Gmdrm	hypo	CHH	-0.0908
Gm17	34420403	34421343	Gmdrm	hypo	CHH	-0.0223
Gm17	34439143	34440140	Gmdrm	hypo	CHH	-0.1113
Gm17	34440146	34441140	Gmdrm	hypo	CHH	-0.0463
Gm17	34449037	34450029	Gmdrm	hypo	CHH	-0.0274
Gm17	34451052	34452051	Gmdrm	hypo	CHH	-0.0603
Gm17	34452054	34453032	Gmdrm	hypo	CHH	-0.0341
Gm17	34457610	34458609	Gmdrm	hypo	CHH	-0.025
Gm17	34464138	34465121	Gmdrm	hypo	CHH	-0.0792

Gm17	34469224	34470224	Gmdrm	hypo	CHH	-0.0847
Gm17	34484539	34485163	Gmdrm	hypo	CHH	-0.0304
Gm17	34489047	34490046	Gmdrm	hypo	CHH	-0.0203
Gm17	34493569	34494565	Gmdrm	hypo	CHH	-0.0367
Gm17	34496277	34497243	Gmdrm	hypo	CHH	-0.0648
Gm17	34497300	34498144	Gmdrm	hypo	CHH	-0.0147
Gm17	34526111	34527091	Gmdrm	hypo	CHH	-0.0474
Gm17	34529165	34530146	Gmdrm	hypo	CHH	-0.0304
Gm17	34534046	34535031	Gmdrm	hypo	CHH	-0.0355
Gm17	34535051	34535828	Gmdrm	hypo	CHH	-0.0633
Gm17	34563718	34564120	Gmdrm	hypo	CHH	-0.2535
Gm17	34611801	34612796	Gmdrm	hypo	CHH	-0.0661
Gm17	34619022	34619432	Gmdrm	hypo	CHH	-0.025
Gm17	34621592	34622296	Gmdrm	hypo	CHH	-0.0277
Gm17	34650217	34651216	Gmdrm	hypo	CHH	-0.0935
Gm17	34651229	34652214	Gmdrm	hypo	CHH	-0.0431
Gm17	34653950	34654474	Gmdrm	hypo	CHH	-0.1559
Gm17	34665735	34666734	Gmdrm	hypo	CHH	-0.0212
Gm17	34683270	34684263	Gmdrm	hypo	CHH	-0.2374
Gm17	34687387	34688382	Gmdrm	hypo	CHH	-0.1201
Gm17	34691434	34692417	Gmdrm	hypo	CHH	-0.0223
Gm17	34692480	34693463	Gmdrm	hypo	CHH	-0.1144
Gm17	34723982	34724533	Gmdrm	hypo	CHH	-0.0209
Gm17	34736062	34737041	Gmdrm	hypo	CHH	-0.0699
Gm17	34739858	34740858	Gmdrm	hypo	CHH	-0.0171
Gm17	34746203	34747195	Gmdrm	hypo	CHH	-0.0318
Gm17	34747657	34748628	Gmdrm	hypo	CHH	-0.1791
Gm17	34756724	34757722	Gmdrm	hypo	CHH	-0.1852
Gm17	34780842	34781841	Gmdrm	hypo	CHH	-0.0548
Gm17	34781843	34782567	Gmdrm	hypo	CHH	-0.0761
Gm17	34782686	34782951	Gmdrm	hypo	CHH	-0.0685
Gm17	34789980	34790938	Gmdrm	hypo	CHH	-0.0651
Gm17	34803090	34803765	Gmdrm	hypo	CHH	-0.0648
Gm17	34838436	34839436	Gmdrm	hypo	CHH	-0.0799
Gm17	34839442	34840014	Gmdrm	hypo	CHH	-0.0958
Gm17	34844947	34845513	Gmdrm	hypo	CHH	-0.0451
Gm17	34845831	34846651	Gmdrm	hypo	CHH	-0.0429
Gm17	34878615	34879615	Gmdrm	hypo	CHH	-0.0168
Gm17	34883420	34884420	Gmdrm	hypo	CHH	-0.0765
Gm17	34893450	34894439	Gmdrm	hypo	CHH	-0.0213
Gm17	34894459	34895458	Gmdrm	hypo	CHH	-0.0969
Gm17	34895460	34896460	Gmdrm	hypo	CHH	-0.1067
Gm17	34900135	34901133	Gmdrm	hypo	CHH	-0.0254
Gm17	34910086	34911085	Gmdrm	hypo	CHH	-0.0317
Gm17	34911194	34911359	Gmdrm	hypo	CHH	-0.0452
Gm17	34911476	34911821	Gmdrm	hypo	CHH	-0.0454

Gm17	34914116	34915111	Gmdrm	hypo	CHH	-0.0625
Gm17	34915119	34915570	Gmdrm	hypo	CHH	-0.0365
Gm17	34928917	34929912	Gmdrm	hypo	CHH	-0.0333
Gm17	34933883	34934873	Gmdrm	hypo	CHH	-0.0875
Gm17	34934926	34935920	Gmdrm	hypo	CHH	-0.0697
Gm17	34947083	34947633	Gmdrm	hypo	CHH	-0.1493
Gm17	34949056	34950053	Gmdrm	hypo	CHH	-0.0637
Gm17	34955021	34956012	Gmdrm	hypo	CHH	-0.0395
Gm17	34968563	34968636	Gmdrm	hypo	CHH	-0.0817
Gm17	34990716	34991605	Gmdrm	hypo	CHH	-0.2462
Gm17	34999143	35000141	Gmdrm	hypo	CHH	-0.0168
Gm17	35005711	35006709	Gmdrm	hypo	CHH	-0.0249
Gm17	35019989	35020956	Gmdrm	hypo	CHH	-0.0534
Gm17	35033361	35034346	Gmdrm	hypo	CHH	-0.0509
Gm17	35055685	35055841	Gmdrm	hypo	CHH	-0.0743
Gm17	35072379	35073365	Gmdrm	hypo	CHH	-0.0485
Gm17	35114608	35115606	Gmdrm	hypo	CHH	-0.0289
Gm17	35115625	35115849	Gmdrm	hypo	CHH	-0.0645
Gm17	35119527	35120516	Gmdrm	hypo	CHH	-0.0258
Gm17	35124335	35125308	Gmdrm	hypo	CHH	-0.0167
Gm17	35182957	35183730	Gmdrm	hypo	CHH	-0.0174
Gm17	35337392	35338216	Gmdrm	hypo	CHH	-0.0386
Gm17	35342326	35343302	Gmdrm	hypo	CHH	-0.0597
Gm17	35355114	35355505	Gmdrm	hypo	CHH	-0.0597
Gm17	35372443	35373428	Gmdrm	hypo	CHH	-0.1258
Gm17	35381689	35382671	Gmdrm	hypo	CHH	-0.0768
Gm17	35382694	35382862	Gmdrm	hypo	CHH	-0.0372
Gm17	35505923	35506866	Gmdrm	hypo	CHH	-0.0186
Gm17	35506934	35507925	Gmdrm	hypo	CHH	-0.011
Gm17	35529502	35530459	Gmdrm	hypo	CHH	-0.0212
Gm17	35547632	35548191	Gmdrm	hypo	CHH	-0.0226
Gm17	35548300	35549299	Gmdrm	hypo	CHH	-0.0167
Gm17	35553180	35554155	Gmdrm	hypo	CHH	-0.1307
Gm17	35590413	35591410	Gmdrm	hypo	CHH	-0.0558
Gm17	35637024	35638024	Gmdrm	hypo	CHH	-0.0212
Gm17	35638034	35639022	Gmdrm	hypo	CHH	-0.0998
Gm17	35639038	35640013	Gmdrm	hypo	CHH	-0.0921
Gm17	35643806	35644806	Gmdrm	hypo	CHH	-0.0457
Gm17	35646826	35647748	Gmdrm	hypo	CHH	-0.0537
Gm17	35649867	35650861	Gmdrm	hypo	CHH	-0.0191
Gm17	35654773	35655771	Gmdrm	hypo	CHH	-0.0596
Gm17	35675619	35675676	Gmdrm	hypo	CHH	-0.132
Gm17	35729454	35730441	Gmdrm	hypo	CHH	-0.0231
Gm17	35730489	35731479	Gmdrm	hypo	CHH	-0.1138
Gm17	35734389	35735381	Gmdrm	hypo	CHH	-0.042
Gm17	35735403	35736402	Gmdrm	hypo	CHH	-0.0706

Gm17	35755333	35755849	Gmdrm	hypo	CHH	-0.0463
Gm17	35759889	35760645	Gmdrm	hypo	CHH	-0.0712
Gm17	35767167	35767469	Gmdrm	hypo	CHH	-0.06
Gm17	35767718	35768449	Gmdrm	hypo	CHH	-0.0402
Gm17	35856528	35857304	Gmdrm	hypo	CHH	-0.0392
Gm17	36004425	36005160	Gmdrm	hypo	CHH	-0.0873
Gm17	36005576	36005646	Gmdrm	hypo	CHH	-0.18
Gm17	36006337	36006485	Gmdrm	hypo	CHH	-0.0789
Gm17	36007969	36008811	Gmdrm	hypo	CHH	-0.017
Gm17	36013739	36013796	Gmdrm	hypo	CHH	-0.1025
Gm17	36040420	36040790	Gmdrm	hypo	CHH	-0.1151
Gm17	36068345	36069345	Gmdrm	hypo	CHH	-0.0778
Gm17	36069380	36070373	Gmdrm	hypo	CHH	-0.1033
Gm17	36070389	36071087	Gmdrm	hypo	CHH	-0.0824
Gm17	36071191	36071346	Gmdrm	hypo	CHH	-0.1908
Gm17	36078770	36079759	Gmdrm	hypo	CHH	-0.0809
Gm17	36119898	36120886	Gmdrm	hypo	CHH	-0.043
Gm17	36120907	36121902	Gmdrm	hypo	CHH	-0.0924
Gm17	36131942	36132928	Gmdrm	hypo	CHH	-0.023
Gm17	36140995	36141994	Gmdrm	hypo	CHH	-0.0347
Gm17	36146036	36147033	Gmdrm	hypo	CHH	-0.0222
Gm17	36173431	36174416	Gmdrm	hypo	CHH	-0.1031
Gm17	36193547	36194531	Gmdrm	hypo	CHH	-0.0458
Gm17	36195809	36196807	Gmdrm	hypo	CHH	-0.1681
Gm17	36196820	36197202	Gmdrm	hypo	CHH	-0.208
Gm17	36197304	36197985	Gmdrm	hypo	CHH	-0.4082
Gm17	36212620	36213611	Gmdrm	hypo	CHH	-0.0159
Gm17	36220185	36220387	Gmdrm	hypo	CHH	-0.2418
Gm17	36220551	36220926	Gmdrm	hypo	CHH	-0.2722
Gm17	36224742	36225679	Gmdrm	hypo	CHH	-0.0374
Gm17	36241842	36242833	Gmdrm	hypo	CHH	-0.0412
Gm17	36244915	36245884	Gmdrm	hypo	CHH	-0.0152
Gm17	36245952	36246949	Gmdrm	hypo	CHH	-0.0289
Gm17	36247544	36248527	Gmdrm	hypo	CHH	-0.0167
Gm17	36248549	36249543	Gmdrm	hypo	CHH	-0.2522
Gm17	36249551	36249939	Gmdrm	hypo	CHH	-0.1676
Gm17	36264724	36265723	Gmdrm	hypo	CHH	-0.0169
Gm17	36267143	36267938	Gmdrm	hypo	CHH	-0.0317
Gm17	36271471	36272471	Gmdrm	hypo	CHH	-0.049
Gm17	36272481	36273477	Gmdrm	hypo	CHH	-0.0571
Gm17	36273492	36274462	Gmdrm	hypo	CHH	-0.0222
Gm17	36290854	36291841	Gmdrm	hypo	CHH	-0.0503
Gm17	36295258	36296235	Gmdrm	hypo	CHH	-0.0271
Gm17	36296274	36297272	Gmdrm	hypo	CHH	-0.0289
Gm17	36297280	36298259	Gmdrm	hypo	CHH	-0.0197
Gm17	36313395	36314391	Gmdrm	hypo	CHH	-0.0387

Gm17	36323287	36324256	Gmdrm	hypo	CHH	-0.1246
Gm17	36331521	36332233	Gmdrm	hypo	CHH	-0.0252
Gm17	36336475	36337456	Gmdrm	hypo	CHH	-0.033
Gm17	36340885	36341884	Gmdrm	hypo	CHH	-0.0478
Gm17	36341896	36342894	Gmdrm	hypo	CHH	-0.0393
Gm17	36377709	36378690	Gmdrm	hypo	CHH	-0.0116
Gm17	36382519	36383508	Gmdrm	hypo	CHH	-0.0411
Gm17	36416726	36417725	Gmdrm	hypo	CHH	-0.0475
Gm17	36417728	36418320	Gmdrm	hypo	CHH	-0.0386
Gm17	36423571	36424506	Gmdrm	hypo	CHH	-0.0224
Gm17	36425229	36426229	Gmdrm	hypo	CHH	-0.1713
Gm17	36426237	36427201	Gmdrm	hypo	CHH	-0.0154
Gm17	36428250	36429245	Gmdrm	hypo	CHH	-0.0392
Gm17	36430257	36431247	Gmdrm	hypo	CHH	-0.1365
Gm17	36436807	36437799	Gmdrm	hypo	CHH	-0.0834
Gm17	36437808	36438761	Gmdrm	hypo	CHH	-0.1569
Gm17	36449877	36450876	Gmdrm	hypo	CHH	-0.0194
Gm17	36453278	36453638	Gmdrm	hypo	CHH	-0.0351
Gm17	36473591	36474585	Gmdrm	hypo	CHH	-0.1466
Gm17	36474971	36475970	Gmdrm	hypo	CHH	-0.0217
Gm17	36475982	36476982	Gmdrm	hypo	CHH	-0.0282
Gm17	36476991	36477991	Gmdrm	hypo	CHH	-0.0235
Gm17	36479710	36480703	Gmdrm	hypo	CHH	-0.0142
Gm17	36480713	36481679	Gmdrm	hypo	CHH	-0.0337
Gm17	36523513	36524481	Gmdrm	hypo	CHH	-0.0147
Gm17	36526252	36527251	Gmdrm	hypo	CHH	-0.0373
Gm17	36527264	36528062	Gmdrm	hypo	CHH	-0.0797
Gm17	36534135	36534691	Gmdrm	hypo	CHH	-0.0367
Gm17	36534865	36535865	Gmdrm	hypo	CHH	-0.0809
Gm17	36536541	36537539	Gmdrm	hypo	CHH	-0.0843
Gm17	36554165	36555164	Gmdrm	hypo	CHH	-0.0173
Gm17	36560137	36561085	Gmdrm	hypo	CHH	-0.0234
Gm17	36562210	36563194	Gmdrm	hypo	CHH	-0.073
Gm17	36563325	36564289	Gmdrm	hypo	CHH	-0.0116
Gm17	36564331	36565329	Gmdrm	hypo	CHH	-0.0297
Gm17	36565335	36566333	Gmdrm	hypo	CHH	-0.0846
Gm17	36566350	36567211	Gmdrm	hypo	CHH	-0.0218
Gm17	36569989	36570987	Gmdrm	hypo	CHH	-0.0996
Gm17	36574680	36575450	Gmdrm	hypo	CHH	-0.0413
Gm17	36576795	36577743	Gmdrm	hypo	CHH	-0.0375
Gm17	36578825	36579820	Gmdrm	hypo	CHH	-0.0602
Gm17	36584756	36584810	Gmdrm	hypo	CHH	-0.126
Gm17	36589169	36589486	Gmdrm	hypo	CHH	-0.0362
Gm17	36598787	36599733	Gmdrm	hypo	CHH	-0.0563
Gm17	36599805	36600804	Gmdrm	hypo	CHH	-0.121
Gm17	36610860	36611848	Gmdrm	hypo	CHH	-0.0545

Gm17	36613121	36613993	Gmdrm	hypo	CHH	-0.0252
Gm17	36645486	36646475	Gmdrm	hypo	CHH	-0.0209
Gm17	36684705	36685636	Gmdrm	hypo	CHH	-0.0175
Gm17	36691950	36692950	Gmdrm	hypo	CHH	-0.0331
Gm17	36692960	36693954	Gmdrm	hypo	CHH	-0.0698
Gm17	36708538	36709538	Gmdrm	hypo	CHH	-0.0325
Gm17	36719164	36719594	Gmdrm	hypo	CHH	-0.0359
Gm17	36740436	36741432	Gmdrm	hypo	CHH	-0.0368
Gm17	36742581	36743578	Gmdrm	hypo	CHH	-0.0371
Gm17	36746978	36747607	Gmdrm	hypo	CHH	-0.0756
Gm17	36747746	36748741	Gmdrm	hypo	CHH	-0.0498
Gm17	36757177	36758173	Gmdrm	hypo	CHH	-0.0177
Gm17	36759216	36759507	Gmdrm	hypo	CHH	-0.3421
Gm17	36771259	36772248	Gmdrm	hypo	CHH	-0.0385
Gm17	36772277	36773255	Gmdrm	hypo	CHH	-0.0849
Gm17	36775328	36776304	Gmdrm	hypo	CHH	-0.0228
Gm17	36804594	36805575	Gmdrm	hypo	CHH	-0.0639
Gm17	36805833	36806303	Gmdrm	hypo	CHH	-0.0928
Gm17	36812698	36813694	Gmdrm	hypo	CHH	-0.017
Gm17	36813705	36814669	Gmdrm	hypo	CHH	-0.0742
Gm17	36826164	36827151	Gmdrm	hypo	CHH	-0.0112
Gm17	36834811	36835782	Gmdrm	hypo	CHH	-0.1924
Gm17	36855683	36856679	Gmdrm	hypo	CHH	-0.0275
Gm17	36902528	36903526	Gmdrm	hypo	CHH	-0.0184
Gm17	36910888	36911879	Gmdrm	hypo	CHH	-0.0185
Gm17	36915248	36916234	Gmdrm	hypo	CHH	-0.0284
Gm17	36923887	36924882	Gmdrm	hypo	CHH	-0.0182
Gm17	36937644	36938642	Gmdrm	hypo	CHH	-0.0203
Gm17	36941844	36942317	Gmdrm	hypo	CHH	-0.0438
Gm17	36943872	36944869	Gmdrm	hypo	CHH	-0.2348
Gm17	36948262	36949237	Gmdrm	hypo	CHH	-0.1461
Gm17	36956352	36957351	Gmdrm	hypo	CHH	-0.0207
Gm17	36963307	36963392	Gmdrm	hypo	CHH	-0.0617
Gm17	36963792	36964141	Gmdrm	hypo	CHH	-0.0252
Gm17	36970040	36971030	Gmdrm	hypo	CHH	-0.1294
Gm17	36971053	36971637	Gmdrm	hypo	CHH	-0.0598
Gm17	36980140	36981140	Gmdrm	hypo	CHH	-0.0516
Gm17	36981147	36982119	Gmdrm	hypo	CHH	-0.1431
Gm17	36995250	36996235	Gmdrm	hypo	CHH	-0.0202
Gm17	36996253	36997209	Gmdrm	hypo	CHH	-0.0267
Gm17	36997994	36998993	Gmdrm	hypo	CHH	-0.0289
Gm17	36999008	36999990	Gmdrm	hypo	CHH	-0.111
Gm17	37000033	37001021	Gmdrm	hypo	CHH	-0.0197
Gm17	37032488	37033487	Gmdrm	hypo	CHH	-0.0704
Gm17	37037311	37038274	Gmdrm	hypo	CHH	-0.03
Gm17	37038338	37039314	Gmdrm	hypo	CHH	-0.0226

Gm17	37044397	37045351	Gmdrm	hypo	CHH	-0.0121
Gm17	37045414	37046408	Gmdrm	hypo	CHH	-0.0966
Gm17	37047430	37048343	Gmdrm	hypo	CHH	-0.0308
Gm17	37049444	37050413	Gmdrm	hypo	CHH	-0.0167
Gm17	37050448	37051445	Gmdrm	hypo	CHH	-0.0501
Gm17	37051451	37052445	Gmdrm	hypo	CHH	-0.0619
Gm17	37052475	37052724	Gmdrm	hypo	CHH	-0.0695
Gm17	37063173	37064171	Gmdrm	hypo	CHH	-0.0278
Gm17	37070862	37071861	Gmdrm	hypo	CHH	-0.0671
Gm17	37071863	37072861	Gmdrm	hypo	CHH	-0.096
Gm17	37072874	37073870	Gmdrm	hypo	CHH	-0.0142
Gm17	37074854	37075542	Gmdrm	hypo	CHH	-0.0533
Gm17	37088149	37089149	Gmdrm	hypo	CHH	-0.0517
Gm17	37105232	37106198	Gmdrm	hypo	CHH	-0.042
Gm17	37158825	37159792	Gmdrm	hypo	CHH	-0.0631
Gm17	37177727	37178309	Gmdrm	hypo	CHH	-0.0192
Gm17	37183189	37184184	Gmdrm	hypo	CHH	-0.0185
Gm17	37184229	37185219	Gmdrm	hypo	CHH	-0.0371
Gm17	37186244	37187235	Gmdrm	hypo	CHH	-0.059
Gm17	37189257	37190256	Gmdrm	hypo	CHH	-0.0689
Gm17	37190259	37191249	Gmdrm	hypo	CHH	-0.0838
Gm17	37202795	37203419	Gmdrm	hypo	CHH	-0.1108
Gm17	37204262	37205261	Gmdrm	hypo	CHH	-0.0226
Gm17	37205281	37205560	Gmdrm	hypo	CHH	-0.099
Gm17	37206711	37207711	Gmdrm	hypo	CHH	-0.0234
Gm17	37207719	37208081	Gmdrm	hypo	CHH	-0.09
Gm17	37231193	37232169	Gmdrm	hypo	CHH	-0.0153
Gm17	37241930	37242902	Gmdrm	hypo	CHH	-0.027
Gm17	37253386	37254368	Gmdrm	hypo	CHH	-0.0397
Gm17	37261155	37262151	Gmdrm	hypo	CHH	-0.0356
Gm17	37262156	37263156	Gmdrm	hypo	CHH	-0.1797
Gm17	37266265	37267264	Gmdrm	hypo	CHH	-0.0693
Gm17	37278348	37279339	Gmdrm	hypo	CHH	-0.0121
Gm17	37295445	37296429	Gmdrm	hypo	CHH	-0.0144
Gm17	37300355	37301339	Gmdrm	hypo	CHH	-0.2525
Gm17	37308854	37309708	Gmdrm	hypo	CHH	-0.1104
Gm17	37310083	37310333	Gmdrm	hypo	CHH	-0.0585
Gm17	37335666	37336208	Gmdrm	hypo	CHH	-0.0217
Gm17	37338335	37339324	Gmdrm	hypo	CHH	-0.101
Gm17	37355529	37356512	Gmdrm	hypo	CHH	-0.012
Gm17	37357616	37358590	Gmdrm	hypo	CHH	-0.0131
Gm17	37358655	37359654	Gmdrm	hypo	CHH	-0.015
Gm17	37359664	37360650	Gmdrm	hypo	CHH	-0.0151
Gm17	37365886	37366274	Gmdrm	hypo	CHH	-0.0304
Gm17	37386660	37387654	Gmdrm	hypo	CHH	-0.036
Gm17	37387662	37388657	Gmdrm	hypo	CHH	-0.0391

Gm17	37388673	37389667	Gmdrm	hypo	CHH	-0.0874
Gm17	37389674	37390674	Gmdrm	hypo	CHH	-0.0283
Gm17	37390684	37391646	Gmdrm	hypo	CHH	-0.0723
Gm17	37392700	37393694	Gmdrm	hypo	CHH	-0.106
Gm17	37393704	37394626	Gmdrm	hypo	CHH	-0.2079
Gm17	37416451	37416815	Gmdrm	hypo	CHH	-0.0311
Gm17	37420394	37421392	Gmdrm	hypo	CHH	-0.0513
Gm17	37429376	37430300	Gmdrm	hypo	CHH	-0.0188
Gm17	37430413	37430956	Gmdrm	hypo	CHH	-0.0284
Gm17	37431547	37432526	Gmdrm	hypo	CHH	-0.0761
Gm17	37441235	37442221	Gmdrm	hypo	CHH	-0.0173
Gm17	37443348	37444331	Gmdrm	hypo	CHH	-0.0239
Gm17	37445392	37446391	Gmdrm	hypo	CHH	-0.0641
Gm17	37449409	37449968	Gmdrm	hypo	CHH	-0.0396
Gm17	37461628	37462559	Gmdrm	hypo	CHH	-0.0725
Gm17	37462655	37463648	Gmdrm	hypo	CHH	-0.0158
Gm17	37464542	37465537	Gmdrm	hypo	CHH	-0.1357
Gm17	37465544	37466516	Gmdrm	hypo	CHH	-0.0954
Gm17	37466557	37467555	Gmdrm	hypo	CHH	-0.084
Gm17	37467558	37468470	Gmdrm	hypo	CHH	-0.0814
Gm17	37486301	37486499	Gmdrm	hypo	CHH	-0.035
Gm17	37515564	37516562	Gmdrm	hypo	CHH	-0.0475
Gm17	37529071	37529848	Gmdrm	hypo	CHH	-0.0544
Gm17	37530058	37530946	Gmdrm	hypo	CHH	-0.1895
Gm17	37533957	37534954	Gmdrm	hypo	CHH	-0.396
Gm17	37536010	37536915	Gmdrm	hypo	CHH	-0.049
Gm17	37542050	37542394	Gmdrm	hypo	CHH	-0.1832
Gm17	37542852	37543851	Gmdrm	hypo	CHH	-0.1761
Gm17	37543858	37544506	Gmdrm	hypo	CHH	-0.3343
Gm17	37555592	37556187	Gmdrm	hypo	CHH	-0.0456
Gm17	37574992	37575992	Gmdrm	hypo	CHH	-0.0713
Gm17	37576001	37576982	Gmdrm	hypo	CHH	-0.0564
Gm17	37577011	37577978	Gmdrm	hypo	CHH	-0.196
Gm17	37589014	37589196	Gmdrm	hypo	CHH	-0.078
Gm17	37590664	37591655	Gmdrm	hypo	CHH	-0.0189
Gm17	37603618	37604600	Gmdrm	hypo	CHH	-0.0434
Gm17	37604627	37605612	Gmdrm	hypo	CHH	-0.0191
Gm17	37617396	37617704	Gmdrm	hypo	CHH	-0.0247
Gm17	37631152	37632125	Gmdrm	hypo	CHH	-0.013
Gm17	37633156	37634136	Gmdrm	hypo	CHH	-0.0402
Gm17	37634166	37635117	Gmdrm	hypo	CHH	-0.0377
Gm17	37636205	37637204	Gmdrm	hypo	CHH	-0.0618
Gm17	37637211	37638197	Gmdrm	hypo	CHH	-0.0652
Gm17	37638222	37639222	Gmdrm	hypo	CHH	-0.0546
Gm17	37639227	37640219	Gmdrm	hypo	CHH	-0.1516
Gm17	37640234	37640556	Gmdrm	hypo	CHH	-0.1103

Gm17	37644513	37645177	Gmdrm	hypo	CHH	-0.1861
Gm17	37655857	37656853	Gmdrm	hypo	CHH	-0.0462
Gm17	37656859	37657855	Gmdrm	hypo	CHH	-0.0959
Gm17	37658872	37659809	Gmdrm	hypo	CHH	-0.0184
Gm17	37665030	37666027	Gmdrm	hypo	CHH	-0.0157
Gm17	37671248	37672244	Gmdrm	hypo	CHH	-0.0253
Gm17	37702478	37702602	Gmdrm	hypo	CHH	-0.0534
Gm17	37709614	37710611	Gmdrm	hypo	CHH	-0.0156
Gm17	37710620	37711615	Gmdrm	hypo	CHH	-0.0787
Gm17	37713651	37713854	Gmdrm	hypo	CHH	-0.0367
Gm17	37713977	37714967	Gmdrm	hypo	CHH	-0.0286
Gm17	37718774	37719717	Gmdrm	hypo	CHH	-0.1745
Gm17	37731688	37732680	Gmdrm	hypo	CHH	-0.1794
Gm17	37732690	37733688	Gmdrm	hypo	CHH	-0.1772
Gm17	37733695	37734308	Gmdrm	hypo	CHH	-0.1886
Gm17	37736110	37737110	Gmdrm	hypo	CHH	-0.0096
Gm17	37754557	37755556	Gmdrm	hypo	CHH	-0.0491
Gm17	37764797	37765459	Gmdrm	hypo	CHH	-0.0962
Gm17	37775624	37776233	Gmdrm	hypo	CHH	-0.0218
Gm17	37778925	37779897	Gmdrm	hypo	CHH	-0.0846
Gm17	37779934	37780926	Gmdrm	hypo	CHH	-0.0482
Gm17	37790866	37791860	Gmdrm	hypo	CHH	-0.0281
Gm17	37793529	37793850	Gmdrm	hypo	CHH	-0.0339
Gm17	37798625	37799610	Gmdrm	hypo	CHH	-0.2039
Gm17	37823506	37824095	Gmdrm	hypo	CHH	-0.2783
Gm17	37824215	37825211	Gmdrm	hypo	CHH	-0.0671
Gm17	37825218	37825327	Gmdrm	hypo	CHH	-0.3195
Gm17	37825986	37826981	Gmdrm	hypo	CHH	-0.071
Gm17	37828405	37829367	Gmdrm	hypo	CHH	-0.065
Gm17	37834426	37834824	Gmdrm	hypo	CHH	-0.035
Gm17	37834929	37835910	Gmdrm	hypo	CHH	-0.0143
Gm17	37844755	37845754	Gmdrm	hypo	CHH	-0.0524
Gm17	37848778	37849739	Gmdrm	hypo	CHH	-0.0432
Gm17	37854918	37855469	Gmdrm	hypo	CHH	-0.0134
Gm17	37884424	37885351	Gmdrm	hypo	CHH	-0.2909
Gm17	37889109	37890098	Gmdrm	hypo	CHH	-0.1048
Gm17	37890111	37891108	Gmdrm	hypo	CHH	-0.1264
Gm17	37904092	37905092	Gmdrm	hypo	CHH	-0.0455
Gm17	37905099	37906093	Gmdrm	hypo	CHH	-0.0556
Gm17	37906484	37907034	Gmdrm	hypo	CHH	-0.0143
Gm17	37908148	37909126	Gmdrm	hypo	CHH	-0.0276
Gm17	37928823	37929805	Gmdrm	hypo	CHH	-0.0212
Gm17	37929842	37930827	Gmdrm	hypo	CHH	-0.0318
Gm17	37930850	37931539	Gmdrm	hypo	CHH	-0.0178
Gm17	37941323	37942320	Gmdrm	hypo	CHH	-0.0195
Gm17	37943334	37943602	Gmdrm	hypo	CHH	-0.0482

Gm17	37946776	37947749	Gmdrm	hypo	CHH	-0.1468
Gm17	37949825	37950808	Gmdrm	hypo	CHH	-0.2062
Gm17	37953096	37953445	Gmdrm	hypo	CHH	-0.03
Gm17	37997095	37997348	Gmdrm	hypo	CHH	-0.2086
Gm17	37997702	37998560	Gmdrm	hypo	CHH	-0.025
Gm17	38012917	38013878	Gmdrm	hypo	CHH	-0.0163
Gm17	38013935	38014932	Gmdrm	hypo	CHH	-0.0638
Gm17	38016968	38017964	Gmdrm	hypo	CHH	-0.0588
Gm17	38022183	38023169	Gmdrm	hypo	CHH	-0.0139
Gm17	38036893	38037101	Gmdrm	hypo	CHH	-0.0288
Gm17	38043341	38044340	Gmdrm	hypo	CHH	-0.0175
Gm17	38067306	38068301	Gmdrm	hypo	CHH	-0.0159
Gm17	38068309	38069306	Gmdrm	hypo	CHH	-0.0239
Gm17	38088443	38089440	Gmdrm	hypo	CHH	-0.0516
Gm17	38096703	38097694	Gmdrm	hypo	CHH	-0.1662
Gm17	38097967	38098946	Gmdrm	hypo	CHH	-0.2572
Gm17	38100178	38101173	Gmdrm	hypo	CHH	-0.075
Gm17	38110895	38111373	Gmdrm	hypo	CHH	-0.0482
Gm17	38111543	38112542	Gmdrm	hypo	CHH	-0.0456
Gm17	38122371	38123371	Gmdrm	hypo	CHH	-0.0702
Gm17	38124719	38125699	Gmdrm	hypo	CHH	-0.0226
Gm17	38127580	38128580	Gmdrm	hypo	CHH	-0.1025
Gm17	38128585	38128751	Gmdrm	hypo	CHH	-0.1515
Gm17	38129065	38130039	Gmdrm	hypo	CHH	-0.0791
Gm17	38134081	38135075	Gmdrm	hypo	CHH	-0.0404
Gm17	38161016	38162014	Gmdrm	hypo	CHH	-0.1023
Gm17	38168487	38169478	Gmdrm	hypo	CHH	-0.03
Gm17	38179927	38180924	Gmdrm	hypo	CHH	-0.0206
Gm17	38184464	38185459	Gmdrm	hypo	CHH	-0.2852
Gm17	38185465	38185701	Gmdrm	hypo	CHH	-0.0533
Gm17	38193027	38194024	Gmdrm	hypo	CHH	-0.0542
Gm17	38198055	38198518	Gmdrm	hypo	CHH	-0.0367
Gm17	38201029	38202024	Gmdrm	hypo	CHH	-0.0414
Gm17	38206706	38207697	Gmdrm	hypo	CHH	-0.0431
Gm17	38207707	38208706	Gmdrm	hypo	CHH	-0.0951
Gm17	38208711	38209628	Gmdrm	hypo	CHH	-0.0587
Gm17	38217319	38218302	Gmdrm	hypo	CHH	-0.0496
Gm17	38226145	38227101	Gmdrm	hypo	CHH	-0.0478
Gm17	38233703	38234703	Gmdrm	hypo	CHH	-0.0429
Gm17	38234706	38235632	Gmdrm	hypo	CHH	-0.0234
Gm17	38243207	38244201	Gmdrm	hypo	CHH	-0.1096
Gm17	38244215	38245212	Gmdrm	hypo	CHH	-0.1147
Gm17	38245219	38245795	Gmdrm	hypo	CHH	-0.0838
Gm17	38247232	38248218	Gmdrm	hypo	CHH	-0.0877
Gm17	38248238	38248817	Gmdrm	hypo	CHH	-0.0507
Gm17	38249680	38250648	Gmdrm	hypo	CHH	-0.0252

Gm17	38255020	38256020	Gmdrm	hypo	CHH	-0.0618
Gm17	38256026	38256994	Gmdrm	hypo	CHH	-0.1614
Gm17	38259236	38260236	Gmdrm	hypo	CHH	-0.0168
Gm17	38260238	38261235	Gmdrm	hypo	CHH	-0.0826
Gm17	38261251	38262195	Gmdrm	hypo	CHH	-0.0183
Gm17	38264776	38265776	Gmdrm	hypo	CHH	-0.0139
Gm17	38270393	38271356	Gmdrm	hypo	CHH	-0.0132
Gm17	38272403	38273366	Gmdrm	hypo	CHH	-0.0176
Gm17	38273415	38274375	Gmdrm	hypo	CHH	-0.1272
Gm17	38277470	38277505	Gmdrm	hypo	CHH	-0.038
Gm17	38296576	38297557	Gmdrm	hypo	CHH	-0.029
Gm17	38298600	38299589	Gmdrm	hypo	CHH	-0.0204
Gm17	38300002	38300971	Gmdrm	hypo	CHH	-0.0885
Gm17	38315646	38316635	Gmdrm	hypo	CHH	-0.022
Gm17	38325571	38326571	Gmdrm	hypo	CHH	-0.0242
Gm17	38326574	38327527	Gmdrm	hypo	CHH	-0.0169
Gm17	38331168	38332157	Gmdrm	hypo	CHH	-0.0195
Gm17	38332863	38333861	Gmdrm	hypo	CHH	-0.0409
Gm17	38334479	38335469	Gmdrm	hypo	CHH	-0.0408
Gm17	38335489	38336477	Gmdrm	hypo	CHH	-0.0331
Gm17	38345206	38346194	Gmdrm	hypo	CHH	-0.0225
Gm17	38346210	38347195	Gmdrm	hypo	CHH	-0.0737
Gm17	38347217	38348136	Gmdrm	hypo	CHH	-0.12
Gm17	38352117	38353115	Gmdrm	hypo	CHH	-0.0269
Gm17	38365581	38366361	Gmdrm	hypo	CHH	-0.0288
Gm17	38378507	38379466	Gmdrm	hypo	CHH	-0.0151
Gm17	38382735	38383718	Gmdrm	hypo	CHH	-0.0422
Gm17	38387240	38388204	Gmdrm	hypo	CHH	-0.2375
Gm17	38406731	38407731	Gmdrm	hypo	CHH	-0.3222
Gm17	38407732	38408695	Gmdrm	hypo	CHH	-0.0448
Gm17	38409890	38410250	Gmdrm	hypo	CHH	-0.1836
Gm17	38411996	38412278	Gmdrm	hypo	CHH	-0.0913
Gm17	38415441	38416428	Gmdrm	hypo	CHH	-0.0113
Gm17	38419427	38420421	Gmdrm	hypo	CHH	-0.0135
Gm17	38422015	38422713	Gmdrm	hypo	CHH	-0.0484
Gm17	38430949	38431926	Gmdrm	hypo	CHH	-0.0235
Gm17	38435671	38436671	Gmdrm	hypo	CHH	-0.0789
Gm17	38454479	38455453	Gmdrm	hypo	CHH	-0.02
Gm17	38456912	38457912	Gmdrm	hypo	CHH	-0.0235
Gm17	38457914	38458903	Gmdrm	hypo	CHH	-0.0345
Gm17	38460655	38461651	Gmdrm	hypo	CHH	-0.0384
Gm17	38471858	38472856	Gmdrm	hypo	CHH	-0.0611
Gm17	38472859	38473780	Gmdrm	hypo	CHH	-0.0654
Gm17	38479779	38480778	Gmdrm	hypo	CHH	-0.134
Gm17	38480781	38481610	Gmdrm	hypo	CHH	-0.095
Gm17	38483373	38484371	Gmdrm	hypo	CHH	-0.0463

Gm17	38484377	38484846	Gmdrm	hypo	CHH	-0.0351
Gm17	38490655	38491635	Gmdrm	hypo	CHH	-0.0349
Gm17	38500079	38501063	Gmdrm	hypo	CHH	-0.0471
Gm17	38510697	38511673	Gmdrm	hypo	CHH	-0.0102
Gm17	38512403	38513400	Gmdrm	hypo	CHH	-0.0172
Gm17	38520227	38521214	Gmdrm	hypo	CHH	-0.014
Gm17	38527562	38528289	Gmdrm	hypo	CHH	-0.0533
Gm17	38548810	38549777	Gmdrm	hypo	CHH	-0.2472
Gm17	38561299	38562293	Gmdrm	hypo	CHH	-0.0281
Gm17	38562304	38563265	Gmdrm	hypo	CHH	-0.0414
Gm17	38570189	38571168	Gmdrm	hypo	CHH	-0.0296
Gm17	38581179	38582178	Gmdrm	hypo	CHH	-0.0493
Gm17	38582182	38583172	Gmdrm	hypo	CHH	-0.0278
Gm17	38588225	38589218	Gmdrm	hypo	CHH	-0.0205
Gm17	38601089	38602070	Gmdrm	hypo	CHH	-0.0563
Gm17	38602093	38603085	Gmdrm	hypo	CHH	-0.0896
Gm17	38603140	38604092	Gmdrm	hypo	CHH	-0.0386
Gm17	38605564	38606529	Gmdrm	hypo	CHH	-0.0119
Gm17	38607299	38608284	Gmdrm	hypo	CHH	-0.0225
Gm17	38617321	38618320	Gmdrm	hypo	CHH	-0.0181
Gm17	38618322	38619158	Gmdrm	hypo	CHH	-0.0243
Gm17	38622758	38623498	Gmdrm	hypo	CHH	-0.0249
Gm17	38624895	38625880	Gmdrm	hypo	CHH	-0.125
Gm17	38633669	38634667	Gmdrm	hypo	CHH	-0.1062
Gm17	38634676	38635666	Gmdrm	hypo	CHH	-0.2622
Gm17	38646077	38647058	Gmdrm	hypo	CHH	-0.0247
Gm17	38650129	38650360	Gmdrm	hypo	CHH	-0.0378
Gm17	38658527	38659499	Gmdrm	hypo	CHH	-0.013
Gm17	38662450	38663411	Gmdrm	hypo	CHH	-0.0144
Gm17	38672299	38672646	Gmdrm	hypo	CHH	-0.033
Gm17	38680290	38681285	Gmdrm	hypo	CHH	-0.1459
Gm17	38683321	38684320	Gmdrm	hypo	CHH	-0.081
Gm17	38684322	38685317	Gmdrm	hypo	CHH	-0.117
Gm17	38702360	38703150	Gmdrm	hypo	CHH	-0.0247
Gm17	38705699	38706659	Gmdrm	hypo	CHH	-0.046
Gm17	38708323	38709316	Gmdrm	hypo	CHH	-0.0484
Gm17	38709324	38710308	Gmdrm	hypo	CHH	-0.0909
Gm17	38713686	38714675	Gmdrm	hypo	CHH	-0.0692
Gm17	38714688	38715683	Gmdrm	hypo	CHH	-0.1847
Gm17	38715693	38716662	Gmdrm	hypo	CHH	-0.0701
Gm17	38727345	38728345	Gmdrm	hypo	CHH	-0.0353
Gm17	38728346	38728690	Gmdrm	hypo	CHH	-0.1082
Gm17	38750725	38751720	Gmdrm	hypo	CHH	-0.0219
Gm17	38764506	38765474	Gmdrm	hypo	CHH	-0.0898
Gm17	38774014	38774999	Gmdrm	hypo	CHH	-0.0645
Gm17	38780782	38781583	Gmdrm	hypo	CHH	-0.0338

Gm17	38788029	38788507	Gmdrm	hypo	CHH	-0.0279
Gm17	38792308	38793027	Gmdrm	hypo	CHH	-0.0968
Gm17	38799149	38800147	Gmdrm	hypo	CHH	-0.0477
Gm17	38807356	38808348	Gmdrm	hypo	CHH	-0.0814
Gm17	38808359	38809338	Gmdrm	hypo	CHH	-0.0412
Gm17	38810395	38811354	Gmdrm	hypo	CHH	-0.3946
Gm17	38823741	38824740	Gmdrm	hypo	CHH	-0.2091
Gm17	38824743	38825743	Gmdrm	hypo	CHH	-0.038
Gm17	38835557	38836488	Gmdrm	hypo	CHH	-0.0352
Gm17	38842738	38843517	Gmdrm	hypo	CHH	-0.1035
Gm17	38856134	38857133	Gmdrm	hypo	CHH	-0.0207
Gm17	38859144	38860138	Gmdrm	hypo	CHH	-0.0151
Gm17	38862729	38863720	Gmdrm	hypo	CHH	-0.0142
Gm17	38897295	38898292	Gmdrm	hypo	CHH	-0.1478
Gm17	38898297	38898407	Gmdrm	hypo	CHH	-0.4036
Gm17	38926780	38927766	Gmdrm	hypo	CHH	-0.0948
Gm17	38927781	38928771	Gmdrm	hypo	CHH	-0.0382
Gm17	38936911	38937907	Gmdrm	hypo	CHH	-0.1624
Gm17	38937914	38938559	Gmdrm	hypo	CHH	-0.0782
Gm17	38938727	38939176	Gmdrm	hypo	CHH	-0.0174
Gm17	38941544	38942543	Gmdrm	hypo	CHH	-0.0396
Gm17	38958950	38959945	Gmdrm	hypo	CHH	-0.013
Gm17	38961065	38961766	Gmdrm	hypo	CHH	-0.0574
Gm17	38961903	38962868	Gmdrm	hypo	CHH	-0.127
Gm17	38971499	38972497	Gmdrm	hypo	CHH	-0.0432
Gm17	38975393	38976391	Gmdrm	hypo	CHH	-0.0204
Gm17	38986309	38987252	Gmdrm	hypo	CHH	-0.0158
Gm17	38989033	38990027	Gmdrm	hypo	CHH	-0.1477
Gm17	38991038	38992037	Gmdrm	hypo	CHH	-0.0351
Gm17	38997182	38998172	Gmdrm	hypo	CHH	-0.0144
Gm17	39003779	39004034	Gmdrm	hypo	CHH	-0.0305
Gm17	39013302	39014298	Gmdrm	hypo	CHH	-0.0732
Gm17	39014307	39015297	Gmdrm	hypo	CHH	-0.0766
Gm17	39039214	39040197	Gmdrm	hypo	CHH	-0.0193
Gm17	39041220	39042161	Gmdrm	hypo	CHH	-0.064
Gm17	39042225	39043025	Gmdrm	hypo	CHH	-0.0397
Gm17	39053025	39053378	Gmdrm	hypo	CHH	-0.0569
Gm17	39075076	39076068	Gmdrm	hypo	CHH	-0.0126
Gm17	39076082	39077077	Gmdrm	hypo	CHH	-0.0508
Gm17	39078143	39079139	Gmdrm	hypo	CHH	-0.0493
Gm17	39081172	39082164	Gmdrm	hypo	CHH	-0.1787
Gm17	39082174	39082359	Gmdrm	hypo	CHH	-0.3279
Gm17	39084631	39085116	Gmdrm	hypo	CHH	-0.0243
Gm17	39086140	39087136	Gmdrm	hypo	CHH	-0.0203
Gm17	39087142	39088123	Gmdrm	hypo	CHH	-0.0126
Gm17	39092507	39093506	Gmdrm	hypo	CHH	-0.0307

Gm17	39103020	39103370 Gmdrm	hypo	CHH	-0.045
Gm17	39103482	39104475 Gmdrm	hypo	CHH	-0.0293
Gm17	39105844	39106231 Gmdrm	hypo	CHH	-0.0688
Gm17	39132419	39133406 Gmdrm	hypo	CHH	-0.0224
Gm17	39138312	39138892 Gmdrm	hypo	CHH	-0.0168
Gm17	39148456	39148974 Gmdrm	hypo	CHH	-0.0293
Gm17	39153173	39154171 Gmdrm	hypo	CHH	-0.0753
Gm17	39154174	39155169 Gmdrm	hypo	CHH	-0.0352
Gm17	39157252	39158248 Gmdrm	hypo	CHH	-0.0404
Gm17	39158263	39159255 Gmdrm	hypo	CHH	-0.0605
Gm17	39174621	39175614 Gmdrm	hypo	CHH	-0.0667
Gm17	39184722	39185689 Gmdrm	hypo	CHH	-0.0486
Gm17	39191912	39192911 Gmdrm	hypo	CHH	-0.0235
Gm17	39205964	39206852 Gmdrm	hypo	CHH	-0.0217
Gm17	39211682	39212674 Gmdrm	hypo	CHH	-0.017
Gm17	39213816	39214782 Gmdrm	hypo	CHH	-0.0291
Gm17	39217428	39218395 Gmdrm	hypo	CHH	-0.0291
Gm17	39218800	39219797 Gmdrm	hypo	CHH	-0.0225
Gm17	39223943	39224915 Gmdrm	hypo	CHH	-0.0286
Gm17	39227241	39227962 Gmdrm	hypo	CHH	-0.021
Gm17	39230093	39231059 Gmdrm	hypo	CHH	-0.0755
Gm17	39233105	39234086 Gmdrm	hypo	CHH	-0.0569
Gm17	39234117	39235105 Gmdrm	hypo	CHH	-0.051
Gm17	39243061	39243705 Gmdrm	hypo	CHH	-0.028
Gm17	39246759	39247688 Gmdrm	hypo	CHH	-0.0875
Gm17	39260030	39261023 Gmdrm	hypo	CHH	-0.0164
Gm17	39265918	39266909 Gmdrm	hypo	CHH	-0.0221
Gm17	39266997	39267971 Gmdrm	hypo	CHH	-0.0172
Gm17	39274130	39275122 Gmdrm	hypo	CHH	-0.0306
Gm17	39284257	39284541 Gmdrm	hypo	CHH	-0.054
Gm17	39296476	39297473 Gmdrm	hypo	CHH	-0.0596
Gm17	39299433	39300426 Gmdrm	hypo	CHH	-0.0499
Gm17	39300434	39301431 Gmdrm	hypo	CHH	-0.0703
Gm17	39327378	39328378 Gmdrm	hypo	CHH	-0.0113
Gm17	39329412	39330379 Gmdrm	hypo	CHH	-0.0446
Gm17	39334073	39335070 Gmdrm	hypo	CHH	-0.1506
Gm17	39335078	39336078 Gmdrm	hypo	CHH	-0.1403
Gm17	39336092	39337088 Gmdrm	hypo	CHH	-0.0287
Gm17	39337100	39338085 Gmdrm	hypo	CHH	-0.0702
Gm17	39338107	39339106 Gmdrm	hypo	CHH	-0.1096
Gm17	39341316	39342313 Gmdrm	hypo	CHH	-0.1205
Gm17	39342317	39343292 Gmdrm	hypo	CHH	-0.1793
Gm17	39344305	39345280 Gmdrm	hypo	CHH	-0.1515
Gm17	39349636	39350634 Gmdrm	hypo	CHH	-0.0762
Gm17	39350644	39351644 Gmdrm	hypo	CHH	-0.0621
Gm17	39351648	39352643 Gmdrm	hypo	CHH	-0.0442

Gm17	39352659	39353657	Gmdrm	hypo	CHH	-0.0416
Gm17	39353662	39354613	Gmdrm	hypo	CHH	-0.0483
Gm17	39354665	39355016	Gmdrm	hypo	CHH	-0.0221
Gm17	39380806	39381506	Gmdrm	hypo	CHH	-0.0429
Gm17	39386731	39387682	Gmdrm	hypo	CHH	-0.1095
Gm17	39403736	39404319	Gmdrm	hypo	CHH	-0.0607
Gm17	39419740	39420735	Gmdrm	hypo	CHH	-0.0314
Gm17	39420747	39421735	Gmdrm	hypo	CHH	-0.0806
Gm17	39428812	39429131	Gmdrm	hypo	CHH	-0.0859
Gm17	39436798	39437795	Gmdrm	hypo	CHH	-0.087
Gm17	39437800	39438743	Gmdrm	hypo	CHH	-0.0691
Gm17	39442907	39443259	Gmdrm	hypo	CHH	-0.0602
Gm17	39448700	39449681	Gmdrm	hypo	CHH	-0.0499
Gm17	39453291	39454289	Gmdrm	hypo	CHH	-0.0158
Gm17	39454299	39455297	Gmdrm	hypo	CHH	-0.0702
Gm17	39455301	39456300	Gmdrm	hypo	CHH	-0.0138
Gm17	39456322	39457309	Gmdrm	hypo	CHH	-0.1419
Gm17	39458019	39458984	Gmdrm	hypo	CHH	-0.0143
Gm17	39465341	39466340	Gmdrm	hypo	CHH	-0.1092
Gm17	39466342	39466637	Gmdrm	hypo	CHH	-0.1072
Gm17	39481056	39482048	Gmdrm	hypo	CHH	-0.0473
Gm17	39492775	39493744	Gmdrm	hypo	CHH	-0.0126
Gm17	39494525	39495525	Gmdrm	hypo	CHH	-0.0802
Gm17	39501222	39502219	Gmdrm	hypo	CHH	-0.0142
Gm17	39502243	39503238	Gmdrm	hypo	CHH	-0.0823
Gm17	39503244	39504238	Gmdrm	hypo	CHH	-0.0665
Gm17	39507713	39508700	Gmdrm	hypo	CHH	-0.0144
Gm17	39514820	39515811	Gmdrm	hypo	CHH	-0.0429
Gm17	39521790	39522770	Gmdrm	hypo	CHH	-0.0179
Gm17	39523025	39524020	Gmdrm	hypo	CHH	-0.139
Gm17	39525044	39526031	Gmdrm	hypo	CHH	-0.0145
Gm17	39531087	39531480	Gmdrm	hypo	CHH	-0.0309
Gm17	39533631	39534457	Gmdrm	hypo	CHH	-0.0203
Gm17	39551390	39552373	Gmdrm	hypo	CHH	-0.1077
Gm17	39560065	39561062	Gmdrm	hypo	CHH	-0.0618
Gm17	39561066	39562064	Gmdrm	hypo	CHH	-0.0176
Gm17	39568688	39569320	Gmdrm	hypo	CHH	-0.0154
Gm17	39569466	39570466	Gmdrm	hypo	CHH	-0.0423
Gm17	39574732	39575213	Gmdrm	hypo	CHH	-0.0168
Gm17	39607599	39608592	Gmdrm	hypo	CHH	-0.0279
Gm17	39623522	39624145	Gmdrm	hypo	CHH	-0.0275
Gm17	39624262	39625205	Gmdrm	hypo	CHH	-0.0135
Gm17	39629317	39630303	Gmdrm	hypo	CHH	-0.0268
Gm17	39631411	39632399	Gmdrm	hypo	CHH	-0.0188
Gm17	39633466	39634450	Gmdrm	hypo	CHH	-0.0167
Gm17	39634488	39635476	Gmdrm	hypo	CHH	-0.0162

Gm17	39647035	39647976	Gmdrm	hypo	CHH	-0.0231
Gm17	39661369	39662316	Gmdrm	hypo	CHH	-0.2126
Gm17	39670333	39671330	Gmdrm	hypo	CHH	-0.0799
Gm17	39671347	39672335	Gmdrm	hypo	CHH	-0.0316
Gm17	39679792	39680328	Gmdrm	hypo	CHH	-0.02
Gm17	39681285	39681381	Gmdrm	hypo	CHH	-0.0475
Gm17	39684883	39685865	Gmdrm	hypo	CHH	-0.0228
Gm17	39685935	39686917	Gmdrm	hypo	CHH	-0.0834
Gm17	39691846	39692198	Gmdrm	hypo	CHH	-0.459
Gm17	39699942	39700872	Gmdrm	hypo	CHH	-0.027
Gm17	39707387	39708035	Gmdrm	hypo	CHH	-0.0302
Gm17	39711754	39712754	Gmdrm	hypo	CHH	-0.166
Gm17	39712757	39713675	Gmdrm	hypo	CHH	-0.1108
Gm17	39715942	39716940	Gmdrm	hypo	CHH	-0.0356
Gm17	39725178	39725896	Gmdrm	hypo	CHH	-0.0742
Gm17	39726075	39727037	Gmdrm	hypo	CHH	-0.1509
Gm17	39727088	39728005	Gmdrm	hypo	CHH	-0.0186
Gm17	39733599	39734245	Gmdrm	hypo	CHH	-0.0289
Gm17	39734575	39734930	Gmdrm	hypo	CHH	-0.0547
Gm17	39740040	39741024	Gmdrm	hypo	CHH	-0.0139
Gm17	39755433	39756429	Gmdrm	hypo	CHH	-0.029
Gm17	39756436	39757086	Gmdrm	hypo	CHH	-0.0514
Gm17	39757595	39758585	Gmdrm	hypo	CHH	-0.0129
Gm17	39771840	39772834	Gmdrm	hypo	CHH	-0.0476
Gm17	39773619	39774603	Gmdrm	hypo	CHH	-0.0244
Gm17	39776780	39777780	Gmdrm	hypo	CHH	-0.3079
Gm17	39784442	39785291	Gmdrm	hypo	CHH	-0.0205
Gm17	39789939	39790626	Gmdrm	hypo	CHH	-0.0507
Gm17	39790894	39791587	Gmdrm	hypo	CHH	-0.0451
Gm17	39814611	39815248	Gmdrm	hypo	CHH	-0.0656
Gm17	39841923	39842923	Gmdrm	hypo	CHH	-0.1681
Gm17	39842924	39843924	Gmdrm	hypo	CHH	-0.114
Gm17	39843928	39844923	Gmdrm	hypo	CHH	-0.1877
Gm17	39855564	39856555	Gmdrm	hypo	CHH	-0.0142
Gm17	39857582	39858580	Gmdrm	hypo	CHH	-0.1628
Gm17	39858610	39859550	Gmdrm	hypo	CHH	-0.0169
Gm17	39878356	39879312	Gmdrm	hypo	CHH	-0.067
Gm17	39881436	39882435	Gmdrm	hypo	CHH	-0.0252
Gm17	39884470	39885192	Gmdrm	hypo	CHH	-0.0189
Gm17	39896286	39897153	Gmdrm	hypo	CHH	-0.1903
Gm17	39899819	39900802	Gmdrm	hypo	CHH	-0.0158
Gm17	39901886	39902879	Gmdrm	hypo	CHH	-0.1596
Gm17	39909627	39910610	Gmdrm	hypo	CHH	-0.0198
Gm17	39913153	39914152	Gmdrm	hypo	CHH	-0.0167
Gm17	39923269	39923830	Gmdrm	hypo	CHH	-0.0206
Gm17	39924986	39925902	Gmdrm	hypo	CHH	-0.0509

Gm17	39926841	39927501	Gmdrm	hypo	CHH	-0.0154
Gm17	39928869	39929855	Gmdrm	hypo	CHH	-0.0152
Gm17	39943286	39944281	Gmdrm	hypo	CHH	-0.0533
Gm17	39944290	39945286	Gmdrm	hypo	CHH	-0.0512
Gm17	39948016	39948317	Gmdrm	hypo	CHH	-0.047
Gm17	39974513	39975192	Gmdrm	hypo	CHH	-0.1319
Gm17	39978332	39979326	Gmdrm	hypo	CHH	-0.0204
Gm17	39982053	39983051	Gmdrm	hypo	CHH	-0.0174
Gm17	39987625	39988313	Gmdrm	hypo	CHH	-0.0213
Gm17	39989733	39990733	Gmdrm	hypo	CHH	-0.1315
Gm17	39990737	39991714	Gmdrm	hypo	CHH	-0.0819
Gm17	40021098	40021525	Gmdrm	hypo	CHH	-0.042
Gm17	40026823	40027820	Gmdrm	hypo	CHH	-0.0286
Gm17	40027824	40028816	Gmdrm	hypo	CHH	-0.0619
Gm17	40028827	40029461	Gmdrm	hypo	CHH	-0.1018
Gm17	40045293	40046246	Gmdrm	hypo	CHH	-0.0154
Gm17	40050568	40051562	Gmdrm	hypo	CHH	-0.0244
Gm17	40057016	40057998	Gmdrm	hypo	CHH	-0.0176
Gm17	40068558	40069554	Gmdrm	hypo	CHH	-0.0133
Gm17	40069560	40070142	Gmdrm	hypo	CHH	-0.0178
Gm17	40072543	40073540	Gmdrm	hypo	CHH	-0.0328
Gm17	40118331	40119321	Gmdrm	hypo	CHH	-0.0488
Gm17	40119332	40120332	Gmdrm	hypo	CHH	-0.0479
Gm17	40139526	40140522	Gmdrm	hypo	CHH	-0.0588
Gm17	40140528	40141497	Gmdrm	hypo	CHH	-0.0199
Gm17	40141542	40142539	Gmdrm	hypo	CHH	-0.034
Gm17	40154260	40155248	Gmdrm	hypo	CHH	-0.048
Gm17	40168096	40169084	Gmdrm	hypo	CHH	-0.02
Gm17	40186757	40187741	Gmdrm	hypo	CHH	-0.0172
Gm17	40187770	40188741	Gmdrm	hypo	CHH	-0.272
Gm17	40188800	40189783	Gmdrm	hypo	CHH	-0.0169
Gm17	40194945	40195933	Gmdrm	hypo	CHH	-0.1179
Gm17	40200867	40201506	Gmdrm	hypo	CHH	-0.0193
Gm17	40208038	40209038	Gmdrm	hypo	CHH	-0.3284
Gm17	40209039	40209792	Gmdrm	hypo	CHH	-0.041
Gm17	40218176	40219165	Gmdrm	hypo	CHH	-0.1319
Gm17	40219198	40220198	Gmdrm	hypo	CHH	-0.0204
Gm17	40225277	40226253	Gmdrm	hypo	CHH	-0.236
Gm17	40229324	40230210	Gmdrm	hypo	CHH	-0.0144
Gm17	40231116	40232105	Gmdrm	hypo	CHH	-0.043
Gm17	40252432	40253422	Gmdrm	hypo	CHH	-0.0191
Gm17	40285761	40286759	Gmdrm	hypo	CHH	-0.1598
Gm17	40289675	40290659	Gmdrm	hypo	CHH	-0.024
Gm17	40296492	40297439	Gmdrm	hypo	CHH	-0.0297
Gm17	40301741	40302699	Gmdrm	hypo	CHH	-0.0223
Gm17	40309043	40309742	Gmdrm	hypo	CHH	-0.0182

Gm17	40319936	40320932	Gmdrm	hypo	CHH	-0.0665
Gm17	40321985	40322974	Gmdrm	hypo	CHH	-0.0402
Gm17	40322986	40323986	Gmdrm	hypo	CHH	-0.0374
Gm17	40338189	40339172	Gmdrm	hypo	CHH	-0.0173
Gm17	40339190	40340187	Gmdrm	hypo	CHH	-0.0857
Gm17	40340196	40341194	Gmdrm	hypo	CHH	-0.1794
Gm17	40364993	40365988	Gmdrm	hypo	CHH	-0.0187
Gm17	40366006	40367001	Gmdrm	hypo	CHH	-0.0462
Gm17	40367007	40367947	Gmdrm	hypo	CHH	-0.0687
Gm17	40369485	40370475	Gmdrm	hypo	CHH	-0.0845
Gm17	40370493	40371491	Gmdrm	hypo	CHH	-0.0604
Gm17	40382881	40383867	Gmdrm	hypo	CHH	-0.0379
Gm17	40388773	40389732	Gmdrm	hypo	CHH	-0.0193
Gm17	40400329	40400879	Gmdrm	hypo	CHH	-0.1337
Gm17	40418670	40419351	Gmdrm	hypo	CHH	-0.0552
Gm17	40426266	40427232	Gmdrm	hypo	CHH	-0.1708
Gm17	40438056	40439053	Gmdrm	hypo	CHH	-0.2949
Gm17	40439059	40439386	Gmdrm	hypo	CHH	-0.2687
Gm17	40443467	40444465	Gmdrm	hypo	CHH	-0.0661
Gm17	40447851	40448850	Gmdrm	hypo	CHH	-0.1219
Gm17	40448874	40448983	Gmdrm	hypo	CHH	-0.0514
Gm17	40449988	40450938	Gmdrm	hypo	CHH	-0.241
Gm17	40469176	40470164	Gmdrm	hypo	CHH	-0.021
Gm17	40480954	40481940	Gmdrm	hypo	CHH	-0.2273
Gm17	40485444	40486423	Gmdrm	hypo	CHH	-0.0198
Gm17	40486454	40486931	Gmdrm	hypo	CHH	-0.0738
Gm17	40489449	40490441	Gmdrm	hypo	CHH	-0.0292
Gm17	40491491	40492464	Gmdrm	hypo	CHH	-0.063
Gm17	40492504	40492940	Gmdrm	hypo	CHH	-0.1055
Gm17	40496609	40497590	Gmdrm	hypo	CHH	-0.0123
Gm17	40498639	40499631	Gmdrm	hypo	CHH	-0.0475
Gm17	40499641	40500641	Gmdrm	hypo	CHH	-0.1045
Gm17	40500647	40501624	Gmdrm	hypo	CHH	-0.0259
Gm17	40501657	40502651	Gmdrm	hypo	CHH	-0.0302
Gm17	40503423	40504409	Gmdrm	hypo	CHH	-0.0437
Gm17	40506450	40507437	Gmdrm	hypo	CHH	-0.0793
Gm17	40510508	40511499	Gmdrm	hypo	CHH	-0.218
Gm17	40517493	40518235	Gmdrm	hypo	CHH	-0.0155
Gm17	40539822	40540811	Gmdrm	hypo	CHH	-0.017
Gm17	40540838	40541099	Gmdrm	hypo	CHH	-0.3422
Gm17	40541221	40541294	Gmdrm	hypo	CHH	-0.2678
Gm17	40545366	40546363	Gmdrm	hypo	CHH	-0.0167
Gm17	40554397	40555366	Gmdrm	hypo	CHH	-0.0722
Gm17	40555400	40556397	Gmdrm	hypo	CHH	-0.0279
Gm17	40560619	40561618	Gmdrm	hypo	CHH	-0.0267
Gm17	40561623	40562159	Gmdrm	hypo	CHH	-0.2593

Gm17	40563480	40564461 Gmdrm	hypo	CHH	-0.0315
Gm17	40564491	40565481 Gmdrm	hypo	CHH	-0.0417
Gm17	40565501	40566498 Gmdrm	hypo	CHH	-0.0478
Gm17	40566509	40567509 Gmdrm	hypo	CHH	-0.0249
Gm17	40572159	40573012 Gmdrm	hypo	CHH	-0.0148
Gm17	40576671	40577054 Gmdrm	hypo	CHH	-0.0761
Gm17	40580202	40580804 Gmdrm	hypo	CHH	-0.0208
Gm17	40586395	40587395 Gmdrm	hypo	CHH	-0.0162
Gm17	40593535	40594533 Gmdrm	hypo	CHH	-0.0476
Gm17	40598926	40599461 Gmdrm	hypo	CHH	-0.0203
Gm17	40599564	40600562 Gmdrm	hypo	CHH	-0.0653
Gm17	40600580	40601579 Gmdrm	hypo	CHH	-0.0665
Gm17	40603889	40604479 Gmdrm	hypo	CHH	-0.1578
Gm17	40606836	40607835 Gmdrm	hypo	CHH	-0.0304
Gm17	40607842	40608835 Gmdrm	hypo	CHH	-0.0343
Gm17	40616573	40617569 Gmdrm	hypo	CHH	-0.0897
Gm17	40622774	40623765 Gmdrm	hypo	CHH	-0.1086
Gm17	40627438	40628296 Gmdrm	hypo	CHH	-0.1875
Gm17	40630579	40630702 Gmdrm	hypo	CHH	-0.042
Gm17	40645097	40646090 Gmdrm	hypo	CHH	-0.0206
Gm17	40657944	40658936 Gmdrm	hypo	CHH	-0.0253
Gm17	40669155	40670126 Gmdrm	hypo	CHH	-0.0704
Gm17	40670167	40671162 Gmdrm	hypo	CHH	-0.1236
Gm17	40671191	40672187 Gmdrm	hypo	CHH	-0.0127
Gm17	40676283	40677278 Gmdrm	hypo	CHH	-0.0345
Gm17	40677288	40678108 Gmdrm	hypo	CHH	-0.0247
Gm17	40678213	40679188 Gmdrm	hypo	CHH	-0.0128
Gm17	40687585	40688563 Gmdrm	hypo	CHH	-0.0508
Gm17	40694775	40695772 Gmdrm	hypo	CHH	-0.0209
Gm17	40704207	40705193 Gmdrm	hypo	CHH	-0.0241
Gm17	40705494	40706493 Gmdrm	hypo	CHH	-0.0809
Gm17	40709428	40710421 Gmdrm	hypo	CHH	-0.11
Gm17	40710432	40711425 Gmdrm	hypo	CHH	-0.1369
Gm17	40711438	40712273 Gmdrm	hypo	CHH	-0.0796
Gm17	40731433	40732418 Gmdrm	hypo	CHH	-0.1598
Gm17	40732462	40733452 Gmdrm	hypo	CHH	-0.0955
Gm17	40742196	40743185 Gmdrm	hypo	CHH	-0.0173
Gm17	40744071	40745057 Gmdrm	hypo	CHH	-0.0436
Gm17	40749085	40750067 Gmdrm	hypo	CHH	-0.0147
Gm17	40750091	40750767 Gmdrm	hypo	CHH	-0.0813
Gm17	40755180	40756122 Gmdrm	hypo	CHH	-0.0124
Gm17	40757185	40758034 Gmdrm	hypo	CHH	-0.028
Gm17	40764642	40765641 Gmdrm	hypo	CHH	-0.0321
Gm17	40766699	40767696 Gmdrm	hypo	CHH	-0.0671
Gm17	40768644	40769623 Gmdrm	hypo	CHH	-0.0229
Gm17	40769652	40770652 Gmdrm	hypo	CHH	-0.2675

Gm17	40779239	40780233	Gmdrm	hypo	CHH	-0.0134
Gm17	40787203	40788189	Gmdrm	hypo	CHH	-0.0907
Gm17	40788711	40789669	Gmdrm	hypo	CHH	-0.1287
Gm17	40790701	40791692	Gmdrm	hypo	CHH	-0.2487
Gm17	40791766	40792760	Gmdrm	hypo	CHH	-0.1134
Gm17	40793783	40794760	Gmdrm	hypo	CHH	-0.0222
Gm17	40797870	40798673	Gmdrm	hypo	CHH	-0.3871
Gm17	40799993	40800834	Gmdrm	hypo	CHH	-0.0203
Gm17	40808788	40809761	Gmdrm	hypo	CHH	-0.0302
Gm17	40810816	40811809	Gmdrm	hypo	CHH	-0.0198
Gm17	40820763	40821747	Gmdrm	hypo	CHH	-0.0806
Gm17	40825792	40826722	Gmdrm	hypo	CHH	-0.0199
Gm17	40833363	40834349	Gmdrm	hypo	CHH	-0.2496
Gm17	40836130	40837096	Gmdrm	hypo	CHH	-0.2032
Gm17	40837192	40837499	Gmdrm	hypo	CHH	-0.0583
Gm17	40840885	40841858	Gmdrm	hypo	CHH	-0.3402
Gm17	40842685	40843180	Gmdrm	hypo	CHH	-0.06
Gm17	40859244	40860233	Gmdrm	hypo	CHH	-0.0205
Gm17	40860264	40861252	Gmdrm	hypo	CHH	-0.0355
Gm17	40863312	40864287	Gmdrm	hypo	CHH	-0.0235
Gm17	40864763	40865762	Gmdrm	hypo	CHH	-0.0192
Gm17	40869828	40870018	Gmdrm	hypo	CHH	-0.026
Gm17	40872344	40873327	Gmdrm	hypo	CHH	-0.0149
Gm17	40874355	40875343	Gmdrm	hypo	CHH	-0.0496
Gm17	40875359	40876336	Gmdrm	hypo	CHH	-0.0271
Gm17	40879183	40879430	Gmdrm	hypo	CHH	-0.0575
Gm17	40891774	40891951	Gmdrm	hypo	CHH	-0.0618
Gm17	40895847	40896152	Gmdrm	hypo	CHH	-0.0419
Gm17	40898522	40899010	Gmdrm	hypo	CHH	-0.0698
Gm17	40906328	40907321	Gmdrm	hypo	CHH	-0.0763
Gm17	40907339	40908326	Gmdrm	hypo	CHH	-0.0297
Gm17	40924312	40924510	Gmdrm	hypo	CHH	-0.05
Gm17	40935756	40936751	Gmdrm	hypo	CHH	-0.0181
Gm17	40938248	40939243	Gmdrm	hypo	CHH	-0.0309
Gm17	40940849	40941846	Gmdrm	hypo	CHH	-0.1534
Gm17	40941851	40942562	Gmdrm	hypo	CHH	-0.0262
Gm17	40953249	40954235	Gmdrm	hypo	CHH	-0.0253
Gm17	40955264	40956262	Gmdrm	hypo	CHH	-0.0215
Gm17	40956302	40957299	Gmdrm	hypo	CHH	-0.0419
Gm17	40957303	40958292	Gmdrm	hypo	CHH	-0.0322
Gm17	40958646	40958679	Gmdrm	hypo	CHH	-0.114
Gm17	40959005	40959994	Gmdrm	hypo	CHH	-0.0509
Gm17	40960006	40960299	Gmdrm	hypo	CHH	-0.1522
Gm17	40960848	40961839	Gmdrm	hypo	CHH	-0.0604
Gm17	40970680	40971420	Gmdrm	hypo	CHH	-0.0591
Gm17	40983550	40984532	Gmdrm	hypo	CHH	-0.0112

Gm17	40986682	40987638	Gmdrm	hypo	CHH	-0.027
Gm17	40995560	40996557	Gmdrm	hypo	CHH	-0.0487
Gm17	40996564	40997560	Gmdrm	hypo	CHH	-0.0854
Gm17	40997566	40998562	Gmdrm	hypo	CHH	-0.0622
Gm17	40998570	40999570	Gmdrm	hypo	CHH	-0.049
Gm17	40999578	40999930	Gmdrm	hypo	CHH	-0.202
Gm17	41008217	41008421	Gmdrm	hypo	CHH	-0.0275
Gm17	41021186	41021327	Gmdrm	hypo	CHH	-0.0262
Gm17	41021429	41022418	Gmdrm	hypo	CHH	-0.1884
Gm17	41038395	41039394	Gmdrm	hypo	CHH	-0.1385
Gm17	41039398	41040357	Gmdrm	hypo	CHH	-0.0577
Gm17	41040434	41041289	Gmdrm	hypo	CHH	-0.3273
Gm17	41050846	41051761	Gmdrm	hypo	CHH	-0.0214
Gm17	41054256	41055252	Gmdrm	hypo	CHH	-0.0389
Gm17	41066943	41067679	Gmdrm	hypo	CHH	-0.0197
Gm17	41078277	41079265	Gmdrm	hypo	CHH	-0.0546
Gm17	41080340	41081335	Gmdrm	hypo	CHH	-0.021
Gm17	41093761	41094747	Gmdrm	hypo	CHH	-0.1912
Gm17	41095812	41096812	Gmdrm	hypo	CHH	-0.0263
Gm17	41096815	41097815	Gmdrm	hypo	CHH	-0.0459
Gm17	41097844	41098836	Gmdrm	hypo	CHH	-0.0113
Gm17	41098846	41099846	Gmdrm	hypo	CHH	-0.02
Gm17	41112064	41112422	Gmdrm	hypo	CHH	-0.0356
Gm17	41118667	41119650	Gmdrm	hypo	CHH	-0.0396
Gm17	41119675	41120674	Gmdrm	hypo	CHH	-0.1086
Gm17	41120679	41121494	Gmdrm	hypo	CHH	-0.0171
Gm17	41131738	41132738	Gmdrm	hypo	CHH	-0.0219
Gm17	41134798	41135752	Gmdrm	hypo	CHH	-0.0239
Gm17	41137101	41137168	Gmdrm	hypo	CHH	-0.0571
Gm17	41139597	41139979	Gmdrm	hypo	CHH	-0.0369
Gm17	41150296	41151287	Gmdrm	hypo	CHH	-0.0217
Gm17	41151311	41152303	Gmdrm	hypo	CHH	-0.0562
Gm17	41154539	41154688	Gmdrm	hypo	CHH	-0.041
Gm17	41165032	41166029	Gmdrm	hypo	CHH	-0.0343
Gm17	41187097	41188091	Gmdrm	hypo	CHH	-0.0228
Gm17	41197251	41198249	Gmdrm	hypo	CHH	-0.0291
Gm17	41202942	41203544	Gmdrm	hypo	CHH	-0.0337
Gm17	41205247	41206246	Gmdrm	hypo	CHH	-0.1153
Gm17	41206248	41206792	Gmdrm	hypo	CHH	-0.1093
Gm17	41228033	41229024	Gmdrm	hypo	CHH	-0.0563
Gm17	41229039	41230006	Gmdrm	hypo	CHH	-0.0262
Gm17	41231044	41232024	Gmdrm	hypo	CHH	-0.1093
Gm17	41235975	41236943	Gmdrm	hypo	CHH	-0.0576
Gm17	41239874	41239930	Gmdrm	hypo	CHH	-0.0417
Gm17	41242834	41243153	Gmdrm	hypo	CHH	-0.0216
Gm17	41246476	41247262	Gmdrm	hypo	CHH	-0.0153

Gm17	41248620	41249610 Gmdrm	hypo	CHH	-0.2569
Gm17	41250635	41250966 Gmdrm	hypo	CHH	-0.022
Gm17	41289134	41289454 Gmdrm	hypo	CHH	-0.0217
Gm17	41290596	41291591 Gmdrm	hypo	CHH	-0.1264
Gm17	41291601	41292565 Gmdrm	hypo	CHH	-0.1339
Gm17	41293748	41294737 Gmdrm	hypo	CHH	-0.0161
Gm17	41301249	41302244 Gmdrm	hypo	CHH	-0.0297
Gm17	41302275	41303030 Gmdrm	hypo	CHH	-0.0266
Gm17	41305776	41306766 Gmdrm	hypo	CHH	-0.0401
Gm17	41306789	41307771 Gmdrm	hypo	CHH	-0.0753
Gm17	41316956	41317950 Gmdrm	hypo	CHH	-0.1272
Gm17	41317992	41318986 Gmdrm	hypo	CHH	-0.1083
Gm17	41320042	41321042 Gmdrm	hypo	CHH	-0.0273
Gm17	41321044	41322034 Gmdrm	hypo	CHH	-0.0836
Gm17	41322046	41323046 Gmdrm	hypo	CHH	-0.0703
Gm17	41323050	41323429 Gmdrm	hypo	CHH	-0.0325
Gm17	41332315	41332741 Gmdrm	hypo	CHH	-0.0171
Gm17	41335073	41336070 Gmdrm	hypo	CHH	-0.0161
Gm17	41337226	41338221 Gmdrm	hypo	CHH	-0.157
Gm17	41338236	41339230 Gmdrm	hypo	CHH	-0.1112
Gm17	41339244	41340237 Gmdrm	hypo	CHH	-0.0286
Gm17	41342525	41343216 Gmdrm	hypo	CHH	-0.0284
Gm17	41362193	41363161 Gmdrm	hypo	CHH	-0.0185
Gm17	41371858	41372017 Gmdrm	hypo	CHH	-0.2583
Gm17	41372195	41373187 Gmdrm	hypo	CHH	-0.0339
Gm17	41377046	41377971 Gmdrm	hypo	CHH	-0.1069
Gm17	41385716	41386710 Gmdrm	hypo	CHH	-0.0244
Gm17	41396966	41397206 Gmdrm	hypo	CHH	-0.4983
Gm17	41397578	41398379 Gmdrm	hypo	CHH	-0.0306
Gm17	41405910	41406189 Gmdrm	hypo	CHH	-0.0608
Gm17	41408580	41409577 Gmdrm	hypo	CHH	-0.0128
Gm17	41412572	41413214 Gmdrm	hypo	CHH	-0.0272
Gm17	41434060	41435053 Gmdrm	hypo	CHH	-0.051
Gm17	41437316	41438299 Gmdrm	hypo	CHH	-0.0204
Gm17	41438339	41439331 Gmdrm	hypo	CHH	-0.0138
Gm17	41440345	41441097 Gmdrm	hypo	CHH	-0.0207
Gm17	41449420	41450412 Gmdrm	hypo	CHH	-0.1109
Gm17	41450421	41451420 Gmdrm	hypo	CHH	-0.0671
Gm17	41451425	41452425 Gmdrm	hypo	CHH	-0.0659
Gm17	41456486	41457475 Gmdrm	hypo	CHH	-0.0284
Gm17	41460827	41461744 Gmdrm	hypo	CHH	-0.0153
Gm17	41467476	41468469 Gmdrm	hypo	CHH	-0.1104
Gm17	41502953	41503944 Gmdrm	hypo	CHH	-0.3229
Gm17	41503974	41504972 Gmdrm	hypo	CHH	-0.0711
Gm17	41504981	41505922 Gmdrm	hypo	CHH	-0.1158
Gm17	41507675	41508669 Gmdrm	hypo	CHH	-0.094

Gm17	41508679	41509670	Gmdrm	hypo	CHH	-0.0469
Gm17	41517594	41518586	Gmdrm	hypo	CHH	-0.0698
Gm17	41518602	41519597	Gmdrm	hypo	CHH	-0.0377
Gm17	41523588	41524580	Gmdrm	hypo	CHH	-0.1576
Gm17	41541483	41542459	Gmdrm	hypo	CHH	-0.0253
Gm17	41568733	41569193	Gmdrm	hypo	CHH	-0.0425
Gm17	41575516	41576407	Gmdrm	hypo	CHH	-0.025
Gm17	41578579	41579568	Gmdrm	hypo	CHH	-0.0374
Gm17	41584483	41585482	Gmdrm	hypo	CHH	-0.0757
Gm17	41585492	41586467	Gmdrm	hypo	CHH	-0.0402
Gm17	41586494	41587487	Gmdrm	hypo	CHH	-0.0285
Gm17	41588089	41588370	Gmdrm	hypo	CHH	-0.0424
Gm17	41596098	41597084	Gmdrm	hypo	CHH	-0.0378
Gm17	41602439	41603424	Gmdrm	hypo	CHH	-0.0204
Gm17	41607587	41608578	Gmdrm	hypo	CHH	-0.0232
Gm17	41626230	41627211	Gmdrm	hypo	CHH	-0.0232
Gm17	41636672	41637666	Gmdrm	hypo	CHH	-0.0278
Gm17	41638671	41639668	Gmdrm	hypo	CHH	-0.063
Gm17	41640716	41640805	Gmdrm	hypo	CHH	-0.0412
Gm17	41650798	41651774	Gmdrm	hypo	CHH	-0.0355
Gm17	41652832	41653571	Gmdrm	hypo	CHH	-0.0406
Gm17	41653698	41654677	Gmdrm	hypo	CHH	-0.103
Gm17	41675323	41676318	Gmdrm	hypo	CHH	-0.0348
Gm17	41685590	41686568	Gmdrm	hypo	CHH	-0.0295
Gm17	41692631	41693629	Gmdrm	hypo	CHH	-0.0232
Gm17	41693638	41694444	Gmdrm	hypo	CHH	-0.0145
Gm17	41702159	41703159	Gmdrm	hypo	CHH	-0.1047
Gm17	41703165	41704164	Gmdrm	hypo	CHH	-0.0516
Gm17	41708182	41708393	Gmdrm	hypo	CHH	-0.1216
Gm18	12573	13550	Gmdrm	hypo	CHH	-0.0884
Gm18	13581	14573	Gmdrm	hypo	CHH	-0.1782
Gm18	14583	15572	Gmdrm	hypo	CHH	-0.0819
Gm18	42827	43765	Gmdrm	hypo	CHH	-0.0553
Gm18	43888	44003	Gmdrm	hypo	CHH	-0.0717
Gm18	44111	45052	Gmdrm	hypo	CHH	-0.2058
Gm18	55715	56714	Gmdrm	hypo	CHH	-0.1054
Gm18	56716	57379	Gmdrm	hypo	CHH	-0.1095
Gm18	58207	59189	Gmdrm	hypo	CHH	-0.0222
Gm18	63357	64356	Gmdrm	hypo	CHH	-0.1375
Gm18	69409	70354	Gmdrm	hypo	CHH	-0.0918
Gm18	82131	83124	Gmdrm	hypo	CHH	-0.1993
Gm18	90499	91499	Gmdrm	hypo	CHH	-0.0644
Gm18	93528	94499	Gmdrm	hypo	CHH	-0.0228
Gm18	96689	97687	Gmdrm	hypo	CHH	-0.0304
Gm18	111175	111462	Gmdrm	hypo	CHH	-0.046
Gm18	111572	112556	Gmdrm	hypo	CHH	-0.1631

Gm18	114547	115279 Gmdrm	hypo	CHH	-0.0531
Gm18	115415	116409 Gmdrm	hypo	CHH	-0.0345
Gm18	135816	136082 Gmdrm	hypo	CHH	-0.1089
Gm18	142714	143712 Gmdrm	hypo	CHH	-0.015
Gm18	150480	151128 Gmdrm	hypo	CHH	-0.0127
Gm18	190756	191732 Gmdrm	hypo	CHH	-0.0131
Gm18	191780	192714 Gmdrm	hypo	CHH	-0.044
Gm18	197825	198824 Gmdrm	hypo	CHH	-0.1059
Gm18	198830	199035 Gmdrm	hypo	CHH	-0.3046
Gm18	212734	213731 Gmdrm	hypo	CHH	-0.164
Gm18	213741	213912 Gmdrm	hypo	CHH	-0.1702
Gm18	214028	214993 Gmdrm	hypo	CHH	-0.0656
Gm18	218677	219357 Gmdrm	hypo	CHH	-0.1764
Gm18	222275	222823 Gmdrm	hypo	CHH	-0.0239
Gm18	243415	244409 Gmdrm	hypo	CHH	-0.0277
Gm18	254997	255270 Gmdrm	hypo	CHH	-0.0593
Gm18	273202	273932 Gmdrm	hypo	CHH	-0.0724
Gm18	283017	283989 Gmdrm	hypo	CHH	-0.0233
Gm18	290535	290600 Gmdrm	hypo	CHH	-0.11
Gm18	290701	291697 Gmdrm	hypo	CHH	-0.0159
Gm18	313487	314361 Gmdrm	hypo	CHH	-0.0256
Gm18	317662	318620 Gmdrm	hypo	CHH	-0.025
Gm18	325108	325640 Gmdrm	hypo	CHH	-0.0273
Gm18	343779	344774 Gmdrm	hypo	CHH	-0.0219
Gm18	346799	347790 Gmdrm	hypo	CHH	-0.0453
Gm18	347804	348804 Gmdrm	hypo	CHH	-0.0563
Gm18	348806	349714 Gmdrm	hypo	CHH	-0.0731
Gm18	362300	362581 Gmdrm	hypo	CHH	-0.08
Gm18	365343	366343 Gmdrm	hypo	CHH	-0.1198
Gm18	366344	367281 Gmdrm	hypo	CHH	-0.0553
Gm18	367943	368916 Gmdrm	hypo	CHH	-0.0368
Gm18	381929	382926 Gmdrm	hypo	CHH	-0.0565
Gm18	382939	383213 Gmdrm	hypo	CHH	-0.0247
Gm18	392375	393348 Gmdrm	hypo	CHH	-0.1606
Gm18	393397	394394 Gmdrm	hypo	CHH	-0.3448
Gm18	396606	397585 Gmdrm	hypo	CHH	-0.0155
Gm18	406308	407308 Gmdrm	hypo	CHH	-0.0243
Gm18	415012	416008 Gmdrm	hypo	CHH	-0.022
Gm18	416018	417017 Gmdrm	hypo	CHH	-0.0221
Gm18	418024	419024 Gmdrm	hypo	CHH	-0.0095
Gm18	432447	433002 Gmdrm	hypo	CHH	-0.0816
Gm18	437122	438122 Gmdrm	hypo	CHH	-0.0193
Gm18	444851	445833 Gmdrm	hypo	CHH	-0.0197
Gm18	446889	447844 Gmdrm	hypo	CHH	-0.0119
Gm18	454961	455646 Gmdrm	hypo	CHH	-0.1232
Gm18	460911	461699 Gmdrm	hypo	CHH	-0.2296

Gm18	478555	479553 Gmdrm	hypo	CHH	-0.2038
Gm18	479560	480548 Gmdrm	hypo	CHH	-0.1484
Gm18	497589	498585 Gmdrm	hypo	CHH	-0.0408
Gm18	531415	532338 Gmdrm	hypo	CHH	-0.0235
Gm18	542251	543224 Gmdrm	hypo	CHH	-0.0233
Gm18	543270	543824 Gmdrm	hypo	CHH	-0.0368
Gm18	548228	548373 Gmdrm	hypo	CHH	-0.0833
Gm18	554275	555240 Gmdrm	hypo	CHH	-0.1209
Gm18	560814	561780 Gmdrm	hypo	CHH	-0.1223
Gm18	561820	562807 Gmdrm	hypo	CHH	-0.1081
Gm18	567213	567552 Gmdrm	hypo	CHH	-0.042
Gm18	592861	593844 Gmdrm	hypo	CHH	-0.0884
Gm18	593877	594875 Gmdrm	hypo	CHH	-0.041
Gm18	594882	595466 Gmdrm	hypo	CHH	-0.0931
Gm18	596603	597602 Gmdrm	hypo	CHH	-0.2355
Gm18	603843	604812 Gmdrm	hypo	CHH	-0.0249
Gm18	606382	607357 Gmdrm	hypo	CHH	-0.0596
Gm18	633231	633283 Gmdrm	hypo	CHH	-0.058
Gm18	633553	634545 Gmdrm	hypo	CHH	-0.0592
Gm18	636562	637554 Gmdrm	hypo	CHH	-0.1355
Gm18	638571	639569 Gmdrm	hypo	CHH	-0.0227
Gm18	639575	640575 Gmdrm	hypo	CHH	-0.0269
Gm18	645403	646358 Gmdrm	hypo	CHH	-0.0185
Gm18	647836	648833 Gmdrm	hypo	CHH	-0.0255
Gm18	654244	654417 Gmdrm	hypo	CHH	-0.0533
Gm18	660880	661878 Gmdrm	hypo	CHH	-0.058
Gm18	661886	662875 Gmdrm	hypo	CHH	-0.0799
Gm18	696422	697381 Gmdrm	hypo	CHH	-0.0139
Gm18	697424	698422 Gmdrm	hypo	CHH	-0.0222
Gm18	700481	701460 Gmdrm	hypo	CHH	-0.2338
Gm18	704270	705254 Gmdrm	hypo	CHH	-0.013
Gm18	707965	708949 Gmdrm	hypo	CHH	-0.1031
Gm18	722305	723295 Gmdrm	hypo	CHH	-0.0253
Gm18	724912	725894 Gmdrm	hypo	CHH	-0.0128
Gm18	748128	749103 Gmdrm	hypo	CHH	-0.2188
Gm18	749187	750185 Gmdrm	hypo	CHH	-0.0188
Gm18	754335	755081 Gmdrm	hypo	CHH	-0.0243
Gm18	757476	758472 Gmdrm	hypo	CHH	-0.0334
Gm18	765571	766564 Gmdrm	hypo	CHH	-0.0152
Gm18	767985	768962 Gmdrm	hypo	CHH	-0.0169
Gm18	770469	771410 Gmdrm	hypo	CHH	-0.0251
Gm18	781738	782709 Gmdrm	hypo	CHH	-0.0116
Gm18	783804	784161 Gmdrm	hypo	CHH	-0.0165
Gm18	797286	798282 Gmdrm	hypo	CHH	-0.0187
Gm18	805210	806196 Gmdrm	hypo	CHH	-0.0202
Gm18	807593	808525 Gmdrm	hypo	CHH	-0.017

Gm18	809409	809578 Gmdrm	hypo	CHH	-0.0466
Gm18	818564	818784 Gmdrm	hypo	CHH	-0.0844
Gm18	832453	833405 Gmdrm	hypo	CHH	-0.0497
Gm18	840690	841656 Gmdrm	hypo	CHH	-0.0952
Gm18	844299	845291 Gmdrm	hypo	CHH	-0.0969
Gm18	845302	846292 Gmdrm	hypo	CHH	-0.0504
Gm18	846312	846367 Gmdrm	hypo	CHH	-0.05
Gm18	852900	853893 Gmdrm	hypo	CHH	-0.012
Gm18	859835	860816 Gmdrm	hypo	CHH	-0.1191
Gm18	860838	861838 Gmdrm	hypo	CHH	-0.0633
Gm18	861845	862842 Gmdrm	hypo	CHH	-0.0543
Gm18	862865	863850 Gmdrm	hypo	CHH	-0.1651
Gm18	879031	879879 Gmdrm	hypo	CHH	-0.0347
Gm18	883310	883469 Gmdrm	hypo	CHH	-0.0425
Gm18	890443	891271 Gmdrm	hypo	CHH	-0.0163
Gm18	892990	893958 Gmdrm	hypo	CHH	-0.0155
Gm18	898856	899852 Gmdrm	hypo	CHH	-0.0145
Gm18	901159	902146 Gmdrm	hypo	CHH	-0.2428
Gm18	905295	906234 Gmdrm	hypo	CHH	-0.0523
Gm18	919138	920122 Gmdrm	hypo	CHH	-0.0346
Gm18	921414	922411 Gmdrm	hypo	CHH	-0.0164
Gm18	928989	929982 Gmdrm	hypo	CHH	-0.0272
Gm18	937521	938508 Gmdrm	hypo	CHH	-0.0351
Gm18	958135	959113 Gmdrm	hypo	CHH	-0.0132
Gm18	961279	962267 Gmdrm	hypo	CHH	-0.1752
Gm18	980374	981362 Gmdrm	hypo	CHH	-0.0144
Gm18	981375	982327 Gmdrm	hypo	CHH	-0.0163
Gm18	984397	985371 Gmdrm	hypo	CHH	-0.0232
Gm18	985430	986426 Gmdrm	hypo	CHH	-0.1277
Gm18	986432	987425 Gmdrm	hypo	CHH	-0.0865
Gm18	994314	995304 Gmdrm	hypo	CHH	-0.1025
Gm18	995317	996305 Gmdrm	hypo	CHH	-0.0193
Gm18	1012245	1013230 Gmdrm	hypo	CHH	-0.01
Gm18	1029334	1030331 Gmdrm	hypo	CHH	-0.1333
Gm18	1030336	1031334 Gmdrm	hypo	CHH	-0.0578
Gm18	1037350	1038349 Gmdrm	hypo	CHH	-0.1949
Gm18	1046542	1047298 Gmdrm	hypo	CHH	-0.0369
Gm18	1047744	1048339 Gmdrm	hypo	CHH	-0.0227
Gm18	1050156	1050342 Gmdrm	hypo	CHH	-0.034
Gm18	1056890	1057884 Gmdrm	hypo	CHH	-0.0545
Gm18	1060900	1061889 Gmdrm	hypo	CHH	-0.0576
Gm18	1065960	1066939 Gmdrm	hypo	CHH	-0.0563
Gm18	1066972	1067961 Gmdrm	hypo	CHH	-0.1223
Gm18	1077197	1077646 Gmdrm	hypo	CHH	-0.0224
Gm18	1086061	1087054 Gmdrm	hypo	CHH	-0.0435
Gm18	1088980	1089974 Gmdrm	hypo	CHH	-0.0192

Gm18	1089983	1090983	Gmdrm	hypo	CHH	-0.1298
Gm18	1104247	1105243	Gmdrm	hypo	CHH	-0.022
Gm18	1116967	1117962	Gmdrm	hypo	CHH	-0.0808
Gm18	1117969	1118963	Gmdrm	hypo	CHH	-0.1317
Gm18	1129723	1130709	Gmdrm	hypo	CHH	-0.0376
Gm18	1144868	1145862	Gmdrm	hypo	CHH	-0.0218
Gm18	1147666	1148661	Gmdrm	hypo	CHH	-0.0179
Gm18	1150695	1151687	Gmdrm	hypo	CHH	-0.0957
Gm18	1159166	1160160	Gmdrm	hypo	CHH	-0.0173
Gm18	1160167	1161165	Gmdrm	hypo	CHH	-0.2197
Gm18	1161171	1162161	Gmdrm	hypo	CHH	-0.1737
Gm18	1162187	1163162	Gmdrm	hypo	CHH	-0.021
Gm18	1167208	1168189	Gmdrm	hypo	CHH	-0.0161
Gm18	1171177	1172176	Gmdrm	hypo	CHH	-0.0197
Gm18	1177198	1178190	Gmdrm	hypo	CHH	-0.0233
Gm18	1178202	1179198	Gmdrm	hypo	CHH	-0.0341
Gm18	1182263	1182504	Gmdrm	hypo	CHH	-0.0255
Gm18	1186870	1187523	Gmdrm	hypo	CHH	-0.0741
Gm18	1189489	1190465	Gmdrm	hypo	CHH	-0.0858
Gm18	1193519	1194518	Gmdrm	hypo	CHH	-0.0102
Gm18	1194570	1195569	Gmdrm	hypo	CHH	-0.0235
Gm18	1195572	1196561	Gmdrm	hypo	CHH	-0.1081
Gm18	1196573	1197572	Gmdrm	hypo	CHH	-0.0203
Gm18	1200166	1201164	Gmdrm	hypo	CHH	-0.0297
Gm18	1212634	1213626	Gmdrm	hypo	CHH	-0.0143
Gm18	1221945	1222926	Gmdrm	hypo	CHH	-0.0122
Gm18	1246335	1247330	Gmdrm	hypo	CHH	-0.0138
Gm18	1249357	1250350	Gmdrm	hypo	CHH	-0.0206
Gm18	1252075	1253064	Gmdrm	hypo	CHH	-0.0287
Gm18	1262205	1263203	Gmdrm	hypo	CHH	-0.0276
Gm18	1263206	1264202	Gmdrm	hypo	CHH	-0.0812
Gm18	1267413	1267612	Gmdrm	hypo	CHH	-0.0622
Gm18	1280202	1280924	Gmdrm	hypo	CHH	-0.0296
Gm18	1281046	1282004	Gmdrm	hypo	CHH	-0.0237
Gm18	1304886	1305884	Gmdrm	hypo	CHH	-0.1894
Gm18	1307974	1308967	Gmdrm	hypo	CHH	-0.0161
Gm18	1313892	1314852	Gmdrm	hypo	CHH	-0.0331
Gm18	1317810	1318809	Gmdrm	hypo	CHH	-0.1683
Gm18	1318813	1318978	Gmdrm	hypo	CHH	-0.3352
Gm18	1320055	1321051	Gmdrm	hypo	CHH	-0.093
Gm18	1321062	1321095	Gmdrm	hypo	CHH	-0.0917
Gm18	1322112	1322595	Gmdrm	hypo	CHH	-0.0204
Gm18	1328234	1329231	Gmdrm	hypo	CHH	-0.0262
Gm18	1332132	1333125	Gmdrm	hypo	CHH	-0.0877
Gm18	1333136	1334082	Gmdrm	hypo	CHH	-0.1397
Gm18	1335611	1336286	Gmdrm	hypo	CHH	-0.0247

Gm18	1339711	1340523	Gmdrm	hypo	CHH	-0.0259
Gm18	1344536	1345350	Gmdrm	hypo	CHH	-0.0255
Gm18	1345462	1346443	Gmdrm	hypo	CHH	-0.0429
Gm18	1347855	1348006	Gmdrm	hypo	CHH	-0.11
Gm18	1363779	1364776	Gmdrm	hypo	CHH	-0.0171
Gm18	1368544	1369544	Gmdrm	hypo	CHH	-0.122
Gm18	1369545	1370542	Gmdrm	hypo	CHH	-0.1811
Gm18	1379249	1380241	Gmdrm	hypo	CHH	-0.2153
Gm18	1385979	1386976	Gmdrm	hypo	CHH	-0.0556
Gm18	1386987	1387968	Gmdrm	hypo	CHH	-0.0738
Gm18	1388012	1388441	Gmdrm	hypo	CHH	-0.017
Gm18	1394898	1395878	Gmdrm	hypo	CHH	-0.0132
Gm18	1399748	1400737	Gmdrm	hypo	CHH	-0.0161
Gm18	1414513	1415468	Gmdrm	hypo	CHH	-0.0501
Gm18	1426792	1427791	Gmdrm	hypo	CHH	-0.0427
Gm18	1427801	1428769	Gmdrm	hypo	CHH	-0.1337
Gm18	1433842	1434841	Gmdrm	hypo	CHH	-0.0483
Gm18	1448951	1449940	Gmdrm	hypo	CHH	-0.0149
Gm18	1456557	1457536	Gmdrm	hypo	CHH	-0.2729
Gm18	1457622	1458614	Gmdrm	hypo	CHH	-0.0228
Gm18	1461451	1462178	Gmdrm	hypo	CHH	-0.0306
Gm18	1464688	1465687	Gmdrm	hypo	CHH	-0.0799
Gm18	1471646	1472599	Gmdrm	hypo	CHH	-0.0198
Gm18	1476304	1477304	Gmdrm	hypo	CHH	-0.0345
Gm18	1477316	1477963	Gmdrm	hypo	CHH	-0.0145
Gm18	1485121	1485290	Gmdrm	hypo	CHH	-0.0729
Gm18	1497601	1498585	Gmdrm	hypo	CHH	-0.1781
Gm18	1505320	1506311	Gmdrm	hypo	CHH	-0.028
Gm18	1506665	1507643	Gmdrm	hypo	CHH	-0.1259
Gm18	1523118	1524109	Gmdrm	hypo	CHH	-0.0491
Gm18	1532850	1533812	Gmdrm	hypo	CHH	-0.0192
Gm18	1537651	1538595	Gmdrm	hypo	CHH	-0.0204
Gm18	1564546	1565517	Gmdrm	hypo	CHH	-0.2945
Gm18	1565576	1566571	Gmdrm	hypo	CHH	-0.0599
Gm18	1566585	1567584	Gmdrm	hypo	CHH	-0.0459
Gm18	1567586	1568407	Gmdrm	hypo	CHH	-0.0493
Gm18	1598093	1599091	Gmdrm	hypo	CHH	-0.1448
Gm18	1602504	1603168	Gmdrm	hypo	CHH	-0.0768
Gm18	1623861	1624800	Gmdrm	hypo	CHH	-0.0144
Gm18	1628304	1629294	Gmdrm	hypo	CHH	-0.0194
Gm18	1631349	1632333	Gmdrm	hypo	CHH	-0.0205
Gm18	1645054	1645732	Gmdrm	hypo	CHH	-0.0297
Gm18	1659142	1660110	Gmdrm	hypo	CHH	-0.0129
Gm18	1660145	1660615	Gmdrm	hypo	CHH	-0.0261
Gm18	1660740	1661739	Gmdrm	hypo	CHH	-0.1773
Gm18	1661742	1662469	Gmdrm	hypo	CHH	-0.0857

Gm18	1674486	1674717 Gmdrm	hypo	CHH	-0.0567
Gm18	1676907	1677398 Gmdrm	hypo	CHH	-0.0169
Gm18	1677513	1678508 Gmdrm	hypo	CHH	-0.0179
Gm18	1698989	1699561 Gmdrm	hypo	CHH	-0.0167
Gm18	1706443	1707437 Gmdrm	hypo	CHH	-0.0226
Gm18	1715179	1716178 Gmdrm	hypo	CHH	-0.0125
Gm18	1722251	1722985 Gmdrm	hypo	CHH	-0.0338
Gm18	1734410	1735321 Gmdrm	hypo	CHH	-0.028
Gm18	1737065	1738050 Gmdrm	hypo	CHH	-0.0559
Gm18	1738073	1739071 Gmdrm	hypo	CHH	-0.0196
Gm18	1743825	1744776 Gmdrm	hypo	CHH	-0.0234
Gm18	1748546	1749545 Gmdrm	hypo	CHH	-0.0516
Gm18	1749547	1749716 Gmdrm	hypo	CHH	-0.0558
Gm18	1756793	1757788 Gmdrm	hypo	CHH	-0.0984
Gm18	1757797	1758043 Gmdrm	hypo	CHH	-0.1224
Gm18	1763754	1764743 Gmdrm	hypo	CHH	-0.0678
Gm18	1764767	1765763 Gmdrm	hypo	CHH	-0.0184
Gm18	1770790	1771311 Gmdrm	hypo	CHH	-0.2619
Gm18	1773388	1773683 Gmdrm	hypo	CHH	-0.0231
Gm18	1780758	1781755 Gmdrm	hypo	CHH	-0.0747
Gm18	1781767	1782591 Gmdrm	hypo	CHH	-0.2922
Gm18	1789381	1790381 Gmdrm	hypo	CHH	-0.0197
Gm18	1816083	1817077 Gmdrm	hypo	CHH	-0.0191
Gm18	1817085	1818084 Gmdrm	hypo	CHH	-0.2547
Gm18	1820208	1820521 Gmdrm	hypo	CHH	-0.032
Gm18	1824291	1825234 Gmdrm	hypo	CHH	-0.1664
Gm18	1827419	1828376 Gmdrm	hypo	CHH	-0.1896
Gm18	1839405	1840385 Gmdrm	hypo	CHH	-0.1022
Gm18	1842085	1843082 Gmdrm	hypo	CHH	-0.0149
Gm18	1844114	1845100 Gmdrm	hypo	CHH	-0.0093
Gm18	1851253	1852253 Gmdrm	hypo	CHH	-0.2334
Gm18	1852263	1852396 Gmdrm	hypo	CHH	-0.2522
Gm18	1853515	1854511 Gmdrm	hypo	CHH	-0.0716
Gm18	1854517	1855517 Gmdrm	hypo	CHH	-0.28
Gm18	1869575	1869829 Gmdrm	hypo	CHH	-0.0385
Gm18	1894477	1895476 Gmdrm	hypo	CHH	-0.0726
Gm18	1895479	1896478 Gmdrm	hypo	CHH	-0.0837
Gm18	1897488	1898452 Gmdrm	hypo	CHH	-0.0176
Gm18	1905533	1906528 Gmdrm	hypo	CHH	-0.0381
Gm18	1907558	1908548 Gmdrm	hypo	CHH	-0.0696
Gm18	1909908	1910908 Gmdrm	hypo	CHH	-0.1848
Gm18	1910909	1911895 Gmdrm	hypo	CHH	-0.3561
Gm18	1915063	1916061 Gmdrm	hypo	CHH	-0.0659
Gm18	1916064	1917059 Gmdrm	hypo	CHH	-0.0416
Gm18	1921708	1922266 Gmdrm	hypo	CHH	-0.019
Gm18	1924457	1925453 Gmdrm	hypo	CHH	-0.0948

Gm18	1925459	1926388 Gmdrm	hypo	CHH	-0.0304
Gm18	1928170	1929168 Gmdrm	hypo	CHH	-0.0576
Gm18	1930193	1930614 Gmdrm	hypo	CHH	-0.0515
Gm18	1951058	1952041 Gmdrm	hypo	CHH	-0.0462
Gm18	2012316	2012688 Gmdrm	hypo	CHH	-0.0546
Gm18	2015490	2016481 Gmdrm	hypo	CHH	-0.0193
Gm18	2020554	2020716 Gmdrm	hypo	CHH	-0.062
Gm18	2043336	2044310 Gmdrm	hypo	CHH	-0.0219
Gm18	2069866	2070140 Gmdrm	hypo	CHH	-0.0384
Gm18	2076079	2077067 Gmdrm	hypo	CHH	-0.0177
Gm18	2087651	2088640 Gmdrm	hypo	CHH	-0.1171
Gm18	2100385	2101342 Gmdrm	hypo	CHH	-0.0193
Gm18	2101401	2102396 Gmdrm	hypo	CHH	-0.0509
Gm18	2115778	2116637 Gmdrm	hypo	CHH	-0.1335
Gm18	2175278	2175854 Gmdrm	hypo	CHH	-0.0173
Gm18	2175978	2176939 Gmdrm	hypo	CHH	-0.0243
Gm18	2177038	2178022 Gmdrm	hypo	CHH	-0.0481
Gm18	2183089	2184072 Gmdrm	hypo	CHH	-0.0124
Gm18	2184094	2185083 Gmdrm	hypo	CHH	-0.0107
Gm18	2185562	2186561 Gmdrm	hypo	CHH	-0.0968
Gm18	2193384	2194384 Gmdrm	hypo	CHH	-0.0169
Gm18	2194386	2195364 Gmdrm	hypo	CHH	-0.045
Gm18	2199901	2200873 Gmdrm	hypo	CHH	-0.0176
Gm18	2208952	2209944 Gmdrm	hypo	CHH	-0.0945
Gm18	2222579	2223531 Gmdrm	hypo	CHH	-0.1203
Gm18	2225005	2225978 Gmdrm	hypo	CHH	-0.0137
Gm18	2229125	2229469 Gmdrm	hypo	CHH	-0.0263
Gm18	2252190	2252950 Gmdrm	hypo	CHH	-0.0215
Gm18	2257649	2258634 Gmdrm	hypo	CHH	-0.0223
Gm18	2259743	2260732 Gmdrm	hypo	CHH	-0.036
Gm18	2274866	2275843 Gmdrm	hypo	CHH	-0.0915
Gm18	2276918	2277902 Gmdrm	hypo	CHH	-0.1291
Gm18	2277919	2278909 Gmdrm	hypo	CHH	-0.1282
Gm18	2282017	2282861 Gmdrm	hypo	CHH	-0.0157
Gm18	2295051	2295372 Gmdrm	hypo	CHH	-0.0457
Gm18	2303687	2304675 Gmdrm	hypo	CHH	-0.0523
Gm18	2304694	2305687 Gmdrm	hypo	CHH	-0.0185
Gm18	2307767	2308766 Gmdrm	hypo	CHH	-0.045
Gm18	2309810	2310809 Gmdrm	hypo	CHH	-0.1379
Gm18	2310811	2311429 Gmdrm	hypo	CHH	-0.3595
Gm18	2318376	2319355 Gmdrm	hypo	CHH	-0.0204
Gm18	2327654	2328643 Gmdrm	hypo	CHH	-0.0176
Gm18	2336118	2336925 Gmdrm	hypo	CHH	-0.0329
Gm18	2341137	2342125 Gmdrm	hypo	CHH	-0.0107
Gm18	2355416	2356412 Gmdrm	hypo	CHH	-0.1041
Gm18	2356417	2357411 Gmdrm	hypo	CHH	-0.0313

Gm18	2357419	2358406	Gmdrm	hypo	CHH	-0.0727
Gm18	2362837	2363831	Gmdrm	hypo	CHH	-0.0347
Gm18	2364881	2365879	Gmdrm	hypo	CHH	-0.0142
Gm18	2380837	2381837	Gmdrm	hypo	CHH	-0.3064
Gm18	2384630	2385626	Gmdrm	hypo	CHH	-0.0334
Gm18	2391815	2392813	Gmdrm	hypo	CHH	-0.0722
Gm18	2392830	2393752	Gmdrm	hypo	CHH	-0.0352
Gm18	2395839	2396829	Gmdrm	hypo	CHH	-0.2694
Gm18	2396852	2397803	Gmdrm	hypo	CHH	-0.2074
Gm18	2402094	2403075	Gmdrm	hypo	CHH	-0.0442
Gm18	2403137	2404007	Gmdrm	hypo	CHH	-0.0247
Gm18	2405648	2406646	Gmdrm	hypo	CHH	-0.0685
Gm18	2413753	2414752	Gmdrm	hypo	CHH	-0.0487
Gm18	2414755	2415741	Gmdrm	hypo	CHH	-0.1435
Gm18	2415762	2416079	Gmdrm	hypo	CHH	-0.0529
Gm18	2417619	2418606	Gmdrm	hypo	CHH	-0.0221
Gm18	2420825	2421822	Gmdrm	hypo	CHH	-0.0136
Gm18	2437216	2438192	Gmdrm	hypo	CHH	-0.051
Gm18	2440261	2441250	Gmdrm	hypo	CHH	-0.1199
Gm18	2441279	2442275	Gmdrm	hypo	CHH	-0.2751
Gm18	2442286	2443198	Gmdrm	hypo	CHH	-0.1216
Gm18	2444355	2445353	Gmdrm	hypo	CHH	-0.0322
Gm18	2452850	2453847	Gmdrm	hypo	CHH	-0.0201
Gm18	2456322	2457321	Gmdrm	hypo	CHH	-0.0101
Gm18	2494980	2495979	Gmdrm	hypo	CHH	-0.2298
Gm18	2495982	2496545	Gmdrm	hypo	CHH	-0.3287
Gm18	2524504	2524649	Gmdrm	hypo	CHH	-0.084
Gm18	2528333	2529042	Gmdrm	hypo	CHH	-0.2346
Gm18	2530489	2531479	Gmdrm	hypo	CHH	-0.0376
Gm18	2544163	2545160	Gmdrm	hypo	CHH	-0.0537
Gm18	2545181	2546177	Gmdrm	hypo	CHH	-0.022
Gm18	2549269	2550264	Gmdrm	hypo	CHH	-0.1112
Gm18	2559858	2560849	Gmdrm	hypo	CHH	-0.0279
Gm18	2560860	2561846	Gmdrm	hypo	CHH	-0.0225
Gm18	2561893	2562893	Gmdrm	hypo	CHH	-0.0187
Gm18	2564230	2565220	Gmdrm	hypo	CHH	-0.0198
Gm18	2566220	2567220	Gmdrm	hypo	CHH	-0.0268
Gm18	2567880	2568879	Gmdrm	hypo	CHH	-0.0911
Gm18	2569702	2570702	Gmdrm	hypo	CHH	-0.0516
Gm18	2570704	2571657	Gmdrm	hypo	CHH	-0.143
Gm18	2574250	2575248	Gmdrm	hypo	CHH	-0.0204
Gm18	2581334	2582334	Gmdrm	hypo	CHH	-0.0755
Gm18	2585708	2586706	Gmdrm	hypo	CHH	-0.012
Gm18	2586721	2587703	Gmdrm	hypo	CHH	-0.0697
Gm18	2587723	2588484	Gmdrm	hypo	CHH	-0.0298
Gm18	2595359	2596357	Gmdrm	hypo	CHH	-0.0394

Gm18	2597369	2598328	Gmdrm	hypo	CHH	-0.0345
Gm18	2602498	2602829	Gmdrm	hypo	CHH	-0.0338
Gm18	2618996	2619993	Gmdrm	hypo	CHH	-0.017
Gm18	2620000	2620982	Gmdrm	hypo	CHH	-0.0114
Gm18	2627434	2628428	Gmdrm	hypo	CHH	-0.0159
Gm18	2633133	2634132	Gmdrm	hypo	CHH	-0.1295
Gm18	2634140	2634924	Gmdrm	hypo	CHH	-0.0609
Gm18	2647690	2648689	Gmdrm	hypo	CHH	-0.1909
Gm18	2648692	2649678	Gmdrm	hypo	CHH	-0.0221
Gm18	2653205	2654195	Gmdrm	hypo	CHH	-0.0345
Gm18	2654215	2655169	Gmdrm	hypo	CHH	-0.0391
Gm18	2664456	2665452	Gmdrm	hypo	CHH	-0.0788
Gm18	2665467	2666440	Gmdrm	hypo	CHH	-0.076
Gm18	2671809	2671958	Gmdrm	hypo	CHH	-0.0778
Gm18	2675053	2676011	Gmdrm	hypo	CHH	-0.0344
Gm18	2676059	2677044	Gmdrm	hypo	CHH	-0.0127
Gm18	2685674	2686673	Gmdrm	hypo	CHH	-0.0954
Gm18	2691747	2692737	Gmdrm	hypo	CHH	-0.0962
Gm18	2699973	2700958	Gmdrm	hypo	CHH	-0.047
Gm18	2711030	2712027	Gmdrm	hypo	CHH	-0.106
Gm18	2712031	2713016	Gmdrm	hypo	CHH	-0.0991
Gm18	2717486	2717590	Gmdrm	hypo	CHH	-0.064
Gm18	2722420	2723352	Gmdrm	hypo	CHH	-0.0156
Gm18	2732853	2733851	Gmdrm	hypo	CHH	-0.095
Gm18	2733854	2734836	Gmdrm	hypo	CHH	-0.0408
Gm18	2734858	2735843	Gmdrm	hypo	CHH	-0.0333
Gm18	2742079	2743079	Gmdrm	hypo	CHH	-0.0243
Gm18	2743082	2744077	Gmdrm	hypo	CHH	-0.0301
Gm18	2744200	2745188	Gmdrm	hypo	CHH	-0.0274
Gm18	2746738	2747247	Gmdrm	hypo	CHH	-0.028
Gm18	2747390	2748385	Gmdrm	hypo	CHH	-0.195
Gm18	2755719	2756716	Gmdrm	hypo	CHH	-0.0136
Gm18	2777633	2778627	Gmdrm	hypo	CHH	-0.0185
Gm18	2788385	2789385	Gmdrm	hypo	CHH	-0.0448
Gm18	2789388	2790379	Gmdrm	hypo	CHH	-0.1014
Gm18	2790389	2791365	Gmdrm	hypo	CHH	-0.3309
Gm18	2793468	2794429	Gmdrm	hypo	CHH	-0.0155
Gm18	2795474	2796410	Gmdrm	hypo	CHH	-0.0168
Gm18	2799472	2800468	Gmdrm	hypo	CHH	-0.0279
Gm18	2802771	2803050	Gmdrm	hypo	CHH	-0.0888
Gm18	2807209	2807997	Gmdrm	hypo	CHH	-0.0124
Gm18	2808103	2809100	Gmdrm	hypo	CHH	-0.0135
Gm18	2810143	2811140	Gmdrm	hypo	CHH	-0.0324
Gm18	2811144	2812121	Gmdrm	hypo	CHH	-0.0175
Gm18	2812166	2813162	Gmdrm	hypo	CHH	-0.2304
Gm18	2813170	2814168	Gmdrm	hypo	CHH	-0.0459

Gm18	2816176	2817175 Gmdrm	hypo	CHH	-0.0561
Gm18	2817181	2818105 Gmdrm	hypo	CHH	-0.3038
Gm18	2827837	2828147 Gmdrm	hypo	CHH	-0.0258
Gm18	2839211	2840209 Gmdrm	hypo	CHH	-0.0407
Gm18	2841249	2842248 Gmdrm	hypo	CHH	-0.3186
Gm18	2848748	2849342 Gmdrm	hypo	CHH	-0.0149
Gm18	2878161	2879156 Gmdrm	hypo	CHH	-0.0548
Gm18	2879180	2880166 Gmdrm	hypo	CHH	-0.2011
Gm18	2893319	2893443 Gmdrm	hypo	CHH	-0.025
Gm18	2894033	2895004 Gmdrm	hypo	CHH	-0.2142
Gm18	2907828	2907877 Gmdrm	hypo	CHH	-0.046
Gm18	2911840	2912829 Gmdrm	hypo	CHH	-0.129
Gm18	2913101	2914100 Gmdrm	hypo	CHH	-0.1678
Gm18	2914102	2914390 Gmdrm	hypo	CHH	-0.0649
Gm18	2916125	2917124 Gmdrm	hypo	CHH	-0.0232
Gm18	2926327	2927324 Gmdrm	hypo	CHH	-0.033
Gm18	2956360	2957262 Gmdrm	hypo	CHH	-0.0154
Gm18	2957613	2958121 Gmdrm	hypo	CHH	-0.036
Gm18	2971644	2972238 Gmdrm	hypo	CHH	-0.0164
Gm18	2982722	2983710 Gmdrm	hypo	CHH	-0.0308
Gm18	2990022	2991019 Gmdrm	hypo	CHH	-0.0171
Gm18	2991027	2992016 Gmdrm	hypo	CHH	-0.0696
Gm18	2992031	2993011 Gmdrm	hypo	CHH	-0.0863
Gm18	3006131	3007131 Gmdrm	hypo	CHH	-0.0483
Gm18	3007153	3008144 Gmdrm	hypo	CHH	-0.1044
Gm18	3016611	3017606 Gmdrm	hypo	CHH	-0.0116
Gm18	3019694	3020690 Gmdrm	hypo	CHH	-0.1014
Gm18	3020695	3021194 Gmdrm	hypo	CHH	-0.063
Gm18	3021308	3022282 Gmdrm	hypo	CHH	-0.0366
Gm18	3023338	3024320 Gmdrm	hypo	CHH	-0.0695
Gm18	3030372	3031364 Gmdrm	hypo	CHH	-0.0367
Gm18	3034084	3035074 Gmdrm	hypo	CHH	-0.0124
Gm18	3045472	3046457 Gmdrm	hypo	CHH	-0.0182
Gm18	3046485	3047482 Gmdrm	hypo	CHH	-0.0502
Gm18	3047495	3048494 Gmdrm	hypo	CHH	-0.0418
Gm18	3048497	3049488 Gmdrm	hypo	CHH	-0.1172
Gm18	3055605	3056603 Gmdrm	hypo	CHH	-0.0141
Gm18	3072487	3073462 Gmdrm	hypo	CHH	-0.21
Gm18	3085462	3086414 Gmdrm	hypo	CHH	-0.1745
Gm18	3093021	3093447 Gmdrm	hypo	CHH	-0.0315
Gm18	3098743	3099737 Gmdrm	hypo	CHH	-0.0224
Gm18	3100786	3101774 Gmdrm	hypo	CHH	-0.0151
Gm18	3110275	3111271 Gmdrm	hypo	CHH	-0.0326
Gm18	3111278	3112273 Gmdrm	hypo	CHH	-0.0214
Gm18	3120846	3121830 Gmdrm	hypo	CHH	-0.0102
Gm18	3123882	3124882 Gmdrm	hypo	CHH	-0.0213

Gm18	3150833	3151593	Gmdrm	hypo	CHH	-0.0514
Gm18	3153066	3154059	Gmdrm	hypo	CHH	-0.0131
Gm18	3161638	3162633	Gmdrm	hypo	CHH	-0.0233
Gm18	3162653	3163127	Gmdrm	hypo	CHH	-0.0138
Gm18	3167369	3168365	Gmdrm	hypo	CHH	-0.0519
Gm18	3168382	3169341	Gmdrm	hypo	CHH	-0.1466
Gm18	3178941	3179536	Gmdrm	hypo	CHH	-0.0863
Gm18	3181330	3182324	Gmdrm	hypo	CHH	-0.0632
Gm18	3189701	3190280	Gmdrm	hypo	CHH	-0.0264
Gm18	3199083	3200082	Gmdrm	hypo	CHH	-0.0561
Gm18	3214234	3215224	Gmdrm	hypo	CHH	-0.0736
Gm18	3216278	3216388	Gmdrm	hypo	CHH	-0.0333
Gm18	3216562	3217535	Gmdrm	hypo	CHH	-0.1237
Gm18	3218621	3219591	Gmdrm	hypo	CHH	-0.2003
Gm18	3222134	3222623	Gmdrm	hypo	CHH	-0.0303
Gm18	3236634	3237573	Gmdrm	hypo	CHH	-0.0177
Gm18	3239592	3240590	Gmdrm	hypo	CHH	-0.0163
Gm18	3255532	3256523	Gmdrm	hypo	CHH	-0.0381
Gm18	3256533	3257533	Gmdrm	hypo	CHH	-0.0476
Gm18	3263212	3264211	Gmdrm	hypo	CHH	-0.0382
Gm18	3264214	3265183	Gmdrm	hypo	CHH	-0.0575
Gm18	3271531	3272526	Gmdrm	hypo	CHH	-0.052
Gm18	3272541	3273519	Gmdrm	hypo	CHH	-0.0937
Gm18	3273545	3274544	Gmdrm	hypo	CHH	-0.0559
Gm18	3274564	3275558	Gmdrm	hypo	CHH	-0.0459
Gm18	3275577	3276561	Gmdrm	hypo	CHH	-0.0289
Gm18	3282559	3283542	Gmdrm	hypo	CHH	-0.0903
Gm18	3286668	3287664	Gmdrm	hypo	CHH	-0.0172
Gm18	3287675	3288665	Gmdrm	hypo	CHH	-0.033
Gm18	3293167	3294154	Gmdrm	hypo	CHH	-0.1188
Gm18	3294170	3295170	Gmdrm	hypo	CHH	-0.1002
Gm18	3296652	3297644	Gmdrm	hypo	CHH	-0.049
Gm18	3297667	3298643	Gmdrm	hypo	CHH	-0.0216
Gm18	3306665	3307664	Gmdrm	hypo	CHH	-0.0547
Gm18	3310189	3311176	Gmdrm	hypo	CHH	-0.0282
Gm18	3323068	3323484	Gmdrm	hypo	CHH	-0.0284
Gm18	3323612	3324610	Gmdrm	hypo	CHH	-0.0719
Gm18	3324616	3325048	Gmdrm	hypo	CHH	-0.1222
Gm18	3327171	3328124	Gmdrm	hypo	CHH	-0.0258
Gm18	3328178	3329133	Gmdrm	hypo	CHH	-0.0542
Gm18	3330221	3331184	Gmdrm	hypo	CHH	-0.0752
Gm18	3334290	3335284	Gmdrm	hypo	CHH	-0.0281
Gm18	3337130	3337623	Gmdrm	hypo	CHH	-0.0261
Gm18	3346624	3346883	Gmdrm	hypo	CHH	-0.024
Gm18	3361717	3362713	Gmdrm	hypo	CHH	-0.0261
Gm18	3382791	3383776	Gmdrm	hypo	CHH	-0.0306

Gm18	3385837	3386830 Gmdrm	hypo	CHH	-0.0606
Gm18	3390282	3390782 Gmdrm	hypo	CHH	-0.0282
Gm18	3407398	3408394 Gmdrm	hypo	CHH	-0.1305
Gm18	3410957	3411952 Gmdrm	hypo	CHH	-0.0123
Gm18	3413493	3414492 Gmdrm	hypo	CHH	-0.0109
Gm18	3414515	3415490 Gmdrm	hypo	CHH	-0.0363
Gm18	3415529	3416529 Gmdrm	hypo	CHH	-0.1052
Gm18	3416542	3417536 Gmdrm	hypo	CHH	-0.1016
Gm18	3428327	3429327 Gmdrm	hypo	CHH	-0.0531
Gm18	3429332	3430316 Gmdrm	hypo	CHH	-0.1156
Gm18	3440471	3440989 Gmdrm	hypo	CHH	-0.1157
Gm18	3452873	3453872 Gmdrm	hypo	CHH	-0.0188
Gm18	3455901	3456884 Gmdrm	hypo	CHH	-0.0619
Gm18	3456904	3457273 Gmdrm	hypo	CHH	-0.2259
Gm18	3480208	3481205 Gmdrm	hypo	CHH	-0.295
Gm18	3493746	3494744 Gmdrm	hypo	CHH	-0.0186
Gm18	3494749	3495742 Gmdrm	hypo	CHH	-0.075
Gm18	3495758	3496757 Gmdrm	hypo	CHH	-0.071
Gm18	3496761	3497741 Gmdrm	hypo	CHH	-0.0774
Gm18	3519727	3520711 Gmdrm	hypo	CHH	-0.0486
Gm18	3520772	3521762 Gmdrm	hypo	CHH	-0.0296
Gm18	3527308	3528297 Gmdrm	hypo	CHH	-0.2287
Gm18	3533857	3534856 Gmdrm	hypo	CHH	-0.0179
Gm18	3534864	3535864 Gmdrm	hypo	CHH	-0.029
Gm18	3538048	3538564 Gmdrm	hypo	CHH	-0.1381
Gm18	3545050	3546043 Gmdrm	hypo	CHH	-0.1086
Gm18	3552789	3553771 Gmdrm	hypo	CHH	-0.087
Gm18	3556100	3557097 Gmdrm	hypo	CHH	-0.0529
Gm18	3557114	3558114 Gmdrm	hypo	CHH	-0.0604
Gm18	3558118	3558922 Gmdrm	hypo	CHH	-0.0422
Gm18	3580547	3581544 Gmdrm	hypo	CHH	-0.1171
Gm18	3581558	3582555 Gmdrm	hypo	CHH	-0.0865
Gm18	3583572	3584564 Gmdrm	hypo	CHH	-0.043
Gm18	3588630	3589621 Gmdrm	hypo	CHH	-0.1972
Gm18	3589640	3590630 Gmdrm	hypo	CHH	-0.0753
Gm18	3591648	3592647 Gmdrm	hypo	CHH	-0.0342
Gm18	3594136	3595136 Gmdrm	hypo	CHH	-0.0248
Gm18	3595144	3595967 Gmdrm	hypo	CHH	-0.0605
Gm18	3597388	3598333 Gmdrm	hypo	CHH	-0.0202
Gm18	3620003	3620981 Gmdrm	hypo	CHH	-0.0208
Gm18	3632438	3632542 Gmdrm	hypo	CHH	-0.0367
Gm18	3649839	3650832 Gmdrm	hypo	CHH	-0.0601
Gm18	3654111	3655107 Gmdrm	hypo	CHH	-0.1455
Gm18	3663589	3664580 Gmdrm	hypo	CHH	-0.0179
Gm18	3665743	3666708 Gmdrm	hypo	CHH	-0.0284
Gm18	3673886	3674884 Gmdrm	hypo	CHH	-0.078

Gm18	3674900	3675892	Gmdrm	hypo	CHH	-0.0935
Gm18	3675905	3676900	Gmdrm	hypo	CHH	-0.0692
Gm18	3680984	3681974	Gmdrm	hypo	CHH	-0.0147
Gm18	3681997	3682994	Gmdrm	hypo	CHH	-0.0137
Gm18	3683003	3684001	Gmdrm	hypo	CHH	-0.0761
Gm18	3686635	3687617	Gmdrm	hypo	CHH	-0.4549
Gm18	3688684	3689662	Gmdrm	hypo	CHH	-0.3353
Gm18	3689686	3690685	Gmdrm	hypo	CHH	-0.0492
Gm18	3694915	3695890	Gmdrm	hypo	CHH	-0.0188
Gm18	3704576	3705572	Gmdrm	hypo	CHH	-0.0473
Gm18	3705931	3706923	Gmdrm	hypo	CHH	-0.0241
Gm18	3707947	3708939	Gmdrm	hypo	CHH	-0.0166
Gm18	3713028	3714025	Gmdrm	hypo	CHH	-0.0315
Gm18	3724608	3725302	Gmdrm	hypo	CHH	-0.0198
Gm18	3726376	3726520	Gmdrm	hypo	CHH	-0.055
Gm18	3735874	3736863	Gmdrm	hypo	CHH	-0.0319
Gm18	3755098	3755187	Gmdrm	hypo	CHH	-0.05
Gm18	3755582	3756553	Gmdrm	hypo	CHH	-0.0236
Gm18	3771550	3772520	Gmdrm	hypo	CHH	-0.0263
Gm18	3780415	3781415	Gmdrm	hypo	CHH	-0.0331
Gm18	3781416	3782401	Gmdrm	hypo	CHH	-0.0707
Gm18	3786687	3787679	Gmdrm	hypo	CHH	-0.0604
Gm18	3788827	3789827	Gmdrm	hypo	CHH	-0.0171
Gm18	3791162	3791278	Gmdrm	hypo	CHH	-0.0533
Gm18	3793081	3794076	Gmdrm	hypo	CHH	-0.0256
Gm18	3809194	3809685	Gmdrm	hypo	CHH	-0.0174
Gm18	3811747	3812712	Gmdrm	hypo	CHH	-0.0326
Gm18	3813766	3814753	Gmdrm	hypo	CHH	-0.178
Gm18	3831173	3832173	Gmdrm	hypo	CHH	-0.0217
Gm18	3837162	3838157	Gmdrm	hypo	CHH	-0.0602
Gm18	3857436	3857764	Gmdrm	hypo	CHH	-0.1698
Gm18	3857873	3858858	Gmdrm	hypo	CHH	-0.1002
Gm18	3867967	3868950	Gmdrm	hypo	CHH	-0.048
Gm18	3876613	3877607	Gmdrm	hypo	CHH	-0.0432
Gm18	3886105	3887088	Gmdrm	hypo	CHH	-0.0615
Gm18	3892168	3892790	Gmdrm	hypo	CHH	-0.0171
Gm18	3893984	3894980	Gmdrm	hypo	CHH	-0.1013
Gm18	3894993	3895993	Gmdrm	hypo	CHH	-0.1337
Gm18	3898222	3898590	Gmdrm	hypo	CHH	-0.0391
Gm18	3899877	3900331	Gmdrm	hypo	CHH	-0.054
Gm18	3900474	3901468	Gmdrm	hypo	CHH	-0.1374
Gm18	3904802	3905795	Gmdrm	hypo	CHH	-0.0651
Gm18	3916887	3917882	Gmdrm	hypo	CHH	-0.0397
Gm18	3917890	3918837	Gmdrm	hypo	CHH	-0.016
Gm18	3918899	3919886	Gmdrm	hypo	CHH	-0.0217
Gm18	3919907	3920906	Gmdrm	hypo	CHH	-0.0436

Gm18	3921868	3922868 Gmdrm	hypo	CHH	-0.0402
Gm18	3935271	3936216 Gmdrm	hypo	CHH	-0.0258
Gm18	3938610	3939601 Gmdrm	hypo	CHH	-0.014
Gm18	3944826	3945821 Gmdrm	hypo	CHH	-0.013
Gm18	3947852	3948846 Gmdrm	hypo	CHH	-0.05
Gm18	3948854	3949831 Gmdrm	hypo	CHH	-0.0702
Gm18	3949944	3950933 Gmdrm	hypo	CHH	-0.0619
Gm18	3955245	3956239 Gmdrm	hypo	CHH	-0.0478
Gm18	3966852	3967844 Gmdrm	hypo	CHH	-0.0474
Gm18	3987967	3988791 Gmdrm	hypo	CHH	-0.0297
Gm18	3990291	3991273 Gmdrm	hypo	CHH	-0.0476
Gm18	3992301	3992760 Gmdrm	hypo	CHH	-0.087
Gm18	3995132	3996083 Gmdrm	hypo	CHH	-0.0535
Gm18	4026673	4027669 Gmdrm	hypo	CHH	-0.0596
Gm18	4027682	4028682 Gmdrm	hypo	CHH	-0.0226
Gm18	4032905	4033851 Gmdrm	hypo	CHH	-0.0265
Gm18	4033918	4034873 Gmdrm	hypo	CHH	-0.0521
Gm18	4034936	4035931 Gmdrm	hypo	CHH	-0.1437
Gm18	4035937	4036917 Gmdrm	hypo	CHH	-0.0171
Gm18	4045158	4045233 Gmdrm	hypo	CHH	-0.0733
Gm18	4045378	4046368 Gmdrm	hypo	CHH	-0.0426
Gm18	4047953	4048407 Gmdrm	hypo	CHH	-0.0395
Gm18	4048953	4049948 Gmdrm	hypo	CHH	-0.0413
Gm18	4050989	4051982 Gmdrm	hypo	CHH	-0.0784
Gm18	4056163	4057147 Gmdrm	hypo	CHH	-0.043
Gm18	4057167	4058167 Gmdrm	hypo	CHH	-0.0571
Gm18	4059171	4060165 Gmdrm	hypo	CHH	-0.0761
Gm18	4061129	4062102 Gmdrm	hypo	CHH	-0.0201
Gm18	4067840	4068539 Gmdrm	hypo	CHH	-0.0167
Gm18	4072080	4073073 Gmdrm	hypo	CHH	-0.0172
Gm18	4104492	4105485 Gmdrm	hypo	CHH	-0.1267
Gm18	4105535	4106232 Gmdrm	hypo	CHH	-0.0919
Gm18	4106355	4106599 Gmdrm	hypo	CHH	-0.1108
Gm18	4106761	4107025 Gmdrm	hypo	CHH	-0.0659
Gm18	4112610	4113598 Gmdrm	hypo	CHH	-0.1245
Gm18	4119710	4120710 Gmdrm	hypo	CHH	-0.2015
Gm18	4125610	4126567 Gmdrm	hypo	CHH	-0.0417
Gm18	4149338	4150336 Gmdrm	hypo	CHH	-0.0394
Gm18	4150352	4151351 Gmdrm	hypo	CHH	-0.1193
Gm18	4151368	4152343 Gmdrm	hypo	CHH	-0.1218
Gm18	4155111	4156109 Gmdrm	hypo	CHH	-0.0293
Gm18	4165818	4166806 Gmdrm	hypo	CHH	-0.0176
Gm18	4166826	4167805 Gmdrm	hypo	CHH	-0.187
Gm18	4167834	4168834 Gmdrm	hypo	CHH	-0.0322
Gm18	4168836	4169834 Gmdrm	hypo	CHH	-0.074
Gm18	4190166	4191166 Gmdrm	hypo	CHH	-0.0262

Gm18	4191175	4192169 Gmdrm	hypo	CHH	-0.0162
Gm18	4192180	4193169 Gmdrm	hypo	CHH	-0.0691
Gm18	4200546	4201546 Gmdrm	hypo	CHH	-0.0623
Gm18	4205091	4206091 Gmdrm	hypo	CHH	-0.1148
Gm18	4209157	4210150 Gmdrm	hypo	CHH	-0.0867
Gm18	4211407	4212403 Gmdrm	hypo	CHH	-0.0202
Gm18	4214229	4215224 Gmdrm	hypo	CHH	-0.0697
Gm18	4216254	4217252 Gmdrm	hypo	CHH	-0.0502
Gm18	4222995	4223857 Gmdrm	hypo	CHH	-0.0574
Gm18	4223975	4224973 Gmdrm	hypo	CHH	-0.0354
Gm18	4224977	4225972 Gmdrm	hypo	CHH	-0.0422
Gm18	4225979	4226975 Gmdrm	hypo	CHH	-0.0622
Gm18	4226981	4227980 Gmdrm	hypo	CHH	-0.0239
Gm18	4231771	4232761 Gmdrm	hypo	CHH	-0.0494
Gm18	4245716	4246706 Gmdrm	hypo	CHH	-0.0284
Gm18	4250846	4251846 Gmdrm	hypo	CHH	-0.0538
Gm18	4251850	4252842 Gmdrm	hypo	CHH	-0.036
Gm18	4258529	4259522 Gmdrm	hypo	CHH	-0.0153
Gm18	4259543	4260530 Gmdrm	hypo	CHH	-0.039
Gm18	4260576	4261498 Gmdrm	hypo	CHH	-0.0212
Gm18	4261619	4262612 Gmdrm	hypo	CHH	-0.0162
Gm18	4282374	4283351 Gmdrm	hypo	CHH	-0.0265
Gm18	4316070	4317056 Gmdrm	hypo	CHH	-0.0189
Gm18	4317083	4318073 Gmdrm	hypo	CHH	-0.0202
Gm18	4318087	4318701 Gmdrm	hypo	CHH	-0.0314
Gm18	4318821	4319771 Gmdrm	hypo	CHH	-0.0224
Gm18	4333507	4333895 Gmdrm	hypo	CHH	-0.0466
Gm18	4336033	4337028 Gmdrm	hypo	CHH	-0.0277
Gm18	4348441	4349432 Gmdrm	hypo	CHH	-0.0238
Gm18	4351558	4352558 Gmdrm	hypo	CHH	-0.0614
Gm18	4353561	4354544 Gmdrm	hypo	CHH	-0.0719
Gm18	4371622	4372617 Gmdrm	hypo	CHH	-0.1808
Gm18	4372629	4373629 Gmdrm	hypo	CHH	-0.0946
Gm18	4373634	4374630 Gmdrm	hypo	CHH	-0.0525
Gm18	4378411	4379395 Gmdrm	hypo	CHH	-0.0215
Gm18	4393514	4394508 Gmdrm	hypo	CHH	-0.0232
Gm18	4399225	4400192 Gmdrm	hypo	CHH	-0.0206
Gm18	4409200	4410186 Gmdrm	hypo	CHH	-0.0141
Gm18	4410205	4411177 Gmdrm	hypo	CHH	-0.0129
Gm18	4411232	4412204 Gmdrm	hypo	CHH	-0.0968
Gm18	4412254	4413238 Gmdrm	hypo	CHH	-0.023
Gm18	4416504	4417492 Gmdrm	hypo	CHH	-0.0933
Gm18	4419568	4420566 Gmdrm	hypo	CHH	-0.0325
Gm18	4420571	4421569 Gmdrm	hypo	CHH	-0.0283
Gm18	4426007	4427004 Gmdrm	hypo	CHH	-0.0648
Gm18	4427018	4427538 Gmdrm	hypo	CHH	-0.1325

Gm18	4427685	4428674 Gmdrm	hypo	CHH	-0.0322
Gm18	4441526	4442507 Gmdrm	hypo	CHH	-0.0413
Gm18	4444129	4445115 Gmdrm	hypo	CHH	-0.1832
Gm18	4447176	4447671 Gmdrm	hypo	CHH	-0.0322
Gm18	4456029	4456718 Gmdrm	hypo	CHH	-0.0215
Gm18	4459867	4460867 Gmdrm	hypo	CHH	-0.2629
Gm18	4466946	4467943 Gmdrm	hypo	CHH	-0.0279
Gm18	4467954	4468900 Gmdrm	hypo	CHH	-0.0333
Gm18	4471359	4471462 Gmdrm	hypo	CHH	-0.068
Gm18	4472729	4473725 Gmdrm	hypo	CHH	-0.0194
Gm18	4475794	4476051 Gmdrm	hypo	CHH	-0.0264
Gm18	4480255	4481236 Gmdrm	hypo	CHH	-0.0254
Gm18	4481268	4482260 Gmdrm	hypo	CHH	-0.0343
Gm18	4482275	4483270 Gmdrm	hypo	CHH	-0.0139
Gm18	4486269	4486522 Gmdrm	hypo	CHH	-0.0318
Gm18	4487666	4488650 Gmdrm	hypo	CHH	-0.0216
Gm18	4499425	4500424 Gmdrm	hypo	CHH	-0.0228
Gm18	4501297	4502262 Gmdrm	hypo	CHH	-0.092
Gm18	4502428	4503413 Gmdrm	hypo	CHH	-0.0489
Gm18	4503451	4504435 Gmdrm	hypo	CHH	-0.023
Gm18	4504508	4505501 Gmdrm	hypo	CHH	-0.012
Gm18	4505514	4506514 Gmdrm	hypo	CHH	-0.0475
Gm18	4506516	4507502 Gmdrm	hypo	CHH	-0.0227
Gm18	4507533	4508529 Gmdrm	hypo	CHH	-0.03
Gm18	4516176	4517173 Gmdrm	hypo	CHH	-0.0409
Gm18	4517182	4518179 Gmdrm	hypo	CHH	-0.0288
Gm18	4525159	4526149 Gmdrm	hypo	CHH	-0.0255
Gm18	4529194	4530176 Gmdrm	hypo	CHH	-0.0385
Gm18	4532715	4533711 Gmdrm	hypo	CHH	-0.0314
Gm18	4533747	4534324 Gmdrm	hypo	CHH	-0.0193
Gm18	4535299	4536297 Gmdrm	hypo	CHH	-0.0457
Gm18	4541857	4542831 Gmdrm	hypo	CHH	-0.1643
Gm18	4565103	4566092 Gmdrm	hypo	CHH	-0.0249
Gm18	4566105	4567101 Gmdrm	hypo	CHH	-0.0226
Gm18	4577712	4578692 Gmdrm	hypo	CHH	-0.022
Gm18	4593860	4593935 Gmdrm	hypo	CHH	-0.05
Gm18	4601980	4602956 Gmdrm	hypo	CHH	-0.0137
Gm18	4610570	4611103 Gmdrm	hypo	CHH	-0.2297
Gm18	4612637	4613637 Gmdrm	hypo	CHH	-0.0687
Gm18	4613641	4614168 Gmdrm	hypo	CHH	-0.0659
Gm18	4626365	4627344 Gmdrm	hypo	CHH	-0.0124
Gm18	4628966	4629966 Gmdrm	hypo	CHH	-0.0599
Gm18	4629981	4630965 Gmdrm	hypo	CHH	-0.0455
Gm18	4637541	4638403 Gmdrm	hypo	CHH	-0.055
Gm18	4639961	4640945 Gmdrm	hypo	CHH	-0.0192
Gm18	4654199	4655198 Gmdrm	hypo	CHH	-0.0543

Gm18	4668062	4669002 Gmdrm	hypo	CHH	-0.0584
Gm18	4670145	4671144 Gmdrm	hypo	CHH	-0.0264
Gm18	4671155	4672144 Gmdrm	hypo	CHH	-0.1145
Gm18	4672156	4673118 Gmdrm	hypo	CHH	-0.0578
Gm18	4677565	4678366 Gmdrm	hypo	CHH	-0.0236
Gm18	4698269	4699243 Gmdrm	hypo	CHH	-0.1032
Gm18	4699281	4700276 Gmdrm	hypo	CHH	-0.0155
Gm18	4700286	4701249 Gmdrm	hypo	CHH	-0.0148
Gm18	4701296	4702295 Gmdrm	hypo	CHH	-0.0221
Gm18	4709488	4710471 Gmdrm	hypo	CHH	-0.0161
Gm18	4711584	4712581 Gmdrm	hypo	CHH	-0.0126
Gm18	4723008	4723938 Gmdrm	hypo	CHH	-0.0884
Gm18	4724010	4725004 Gmdrm	hypo	CHH	-0.0586
Gm18	4725014	4726014 Gmdrm	hypo	CHH	-0.0441
Gm18	4737960	4738958 Gmdrm	hypo	CHH	-0.0176
Gm18	4740667	4741045 Gmdrm	hypo	CHH	-0.0347
Gm18	4778618	4779618 Gmdrm	hypo	CHH	-0.0946
Gm18	4779621	4780621 Gmdrm	hypo	CHH	-0.0288
Gm18	4781647	4782641 Gmdrm	hypo	CHH	-0.0875
Gm18	4782663	4783617 Gmdrm	hypo	CHH	-0.0631
Gm18	4785744	4786705 Gmdrm	hypo	CHH	-0.0163
Gm18	4786870	4787318 Gmdrm	hypo	CHH	-0.0213
Gm18	4795819	4796668 Gmdrm	hypo	CHH	-0.018
Gm18	4796789	4797563 Gmdrm	hypo	CHH	-0.02
Gm18	4801760	4802758 Gmdrm	hypo	CHH	-0.14
Gm18	4812913	4813899 Gmdrm	hypo	CHH	-0.0144
Gm18	4836249	4837198 Gmdrm	hypo	CHH	-0.015
Gm18	4840359	4841349 Gmdrm	hypo	CHH	-0.0173
Gm18	4841363	4842362 Gmdrm	hypo	CHH	-0.1107
Gm18	4847458	4848455 Gmdrm	hypo	CHH	-0.0932
Gm18	4848462	4849437 Gmdrm	hypo	CHH	-0.0903
Gm18	4850500	4851490 Gmdrm	hypo	CHH	-0.0387
Gm18	4853520	4854519 Gmdrm	hypo	CHH	-0.0895
Gm18	4861271	4862267 Gmdrm	hypo	CHH	-0.0116
Gm18	4870071	4871014 Gmdrm	hypo	CHH	-0.0508
Gm18	4871177	4872165 Gmdrm	hypo	CHH	-0.0292
Gm18	4878964	4879225 Gmdrm	hypo	CHH	-0.0408
Gm18	4891360	4892256 Gmdrm	hypo	CHH	-0.0201
Gm18	4899353	4900235 Gmdrm	hypo	CHH	-0.03
Gm18	4902479	4903476 Gmdrm	hypo	CHH	-0.0202
Gm18	4910543	4911542 Gmdrm	hypo	CHH	-0.1281
Gm18	4915333	4915765 Gmdrm	hypo	CHH	-0.0142
Gm18	4921137	4922135 Gmdrm	hypo	CHH	-0.0382
Gm18	4922139	4923134 Gmdrm	hypo	CHH	-0.0891
Gm18	4923142	4923984 Gmdrm	hypo	CHH	-0.1978
Gm18	4925097	4926094 Gmdrm	hypo	CHH	-0.0739

Gm18	4926098	4927094	Gmdrm	hypo	CHH	-0.0539
Gm18	4930920	4931918	Gmdrm	hypo	CHH	-0.0261
Gm18	4931938	4932937	Gmdrm	hypo	CHH	-0.1104
Gm18	4932941	4933447	Gmdrm	hypo	CHH	-0.0485
Gm18	4939877	4940856	Gmdrm	hypo	CHH	-0.0286
Gm18	4940888	4941874	Gmdrm	hypo	CHH	-0.0123
Gm18	4941895	4942284	Gmdrm	hypo	CHH	-0.0589
Gm18	4957628	4958610	Gmdrm	hypo	CHH	-0.0198
Gm18	4996668	4997656	Gmdrm	hypo	CHH	-0.1131
Gm18	5004752	5005748	Gmdrm	hypo	CHH	-0.025
Gm18	5006804	5007222	Gmdrm	hypo	CHH	-0.0162
Gm18	5007338	5008324	Gmdrm	hypo	CHH	-0.0172
Gm18	5010003	5010274	Gmdrm	hypo	CHH	-0.0276
Gm18	5017065	5017588	Gmdrm	hypo	CHH	-0.0579
Gm18	5017718	5018663	Gmdrm	hypo	CHH	-0.1143
Gm18	5032985	5033937	Gmdrm	hypo	CHH	-0.0465
Gm18	5054766	5055765	Gmdrm	hypo	CHH	-0.1932
Gm18	5055769	5056760	Gmdrm	hypo	CHH	-0.2827
Gm18	5056785	5057783	Gmdrm	hypo	CHH	-0.0775
Gm18	5060591	5061566	Gmdrm	hypo	CHH	-0.0277
Gm18	5065336	5065749	Gmdrm	hypo	CHH	-0.1288
Gm18	5086271	5087267	Gmdrm	hypo	CHH	-0.0976
Gm18	5087284	5088250	Gmdrm	hypo	CHH	-0.0295
Gm18	5095899	5096870	Gmdrm	hypo	CHH	-0.015
Gm18	5108507	5109481	Gmdrm	hypo	CHH	-0.0242
Gm18	5109521	5110519	Gmdrm	hypo	CHH	-0.0281
Gm18	5113577	5114571	Gmdrm	hypo	CHH	-0.0473
Gm18	5124126	5125115	Gmdrm	hypo	CHH	-0.0226
Gm18	5125147	5126134	Gmdrm	hypo	CHH	-0.0124
Gm18	5133067	5134056	Gmdrm	hypo	CHH	-0.0517
Gm18	5135080	5136078	Gmdrm	hypo	CHH	-0.0969
Gm18	5136083	5137071	Gmdrm	hypo	CHH	-0.2282
Gm18	5141021	5142015	Gmdrm	hypo	CHH	-0.0171
Gm18	5143212	5144192	Gmdrm	hypo	CHH	-0.0489
Gm18	5164034	5164665	Gmdrm	hypo	CHH	-0.0265
Gm18	5168540	5168816	Gmdrm	hypo	CHH	-0.058
Gm18	5182726	5183721	Gmdrm	hypo	CHH	-0.0407
Gm18	5194078	5195078	Gmdrm	hypo	CHH	-0.0632
Gm18	5204316	5205303	Gmdrm	hypo	CHH	-0.1724
Gm18	5207380	5208367	Gmdrm	hypo	CHH	-0.0351
Gm18	5213035	5214023	Gmdrm	hypo	CHH	-0.0434
Gm18	5238398	5239367	Gmdrm	hypo	CHH	-0.0511
Gm18	5239428	5240095	Gmdrm	hypo	CHH	-0.0957
Gm18	5240212	5241179	Gmdrm	hypo	CHH	-0.0239
Gm18	5242241	5243240	Gmdrm	hypo	CHH	-0.3542
Gm18	5247312	5247638	Gmdrm	hypo	CHH	-0.0319

Gm18	5252947	5253448	Gmdrm	hypo	CHH	-0.0304
Gm18	5253551	5254549	Gmdrm	hypo	CHH	-0.0229
Gm18	5262177	5263112	Gmdrm	hypo	CHH	-0.0123
Gm18	5265320	5266318	Gmdrm	hypo	CHH	-0.1292
Gm18	5269852	5270849	Gmdrm	hypo	CHH	-0.1174
Gm18	5270853	5271851	Gmdrm	hypo	CHH	-0.0867
Gm18	5271854	5272851	Gmdrm	hypo	CHH	-0.0652
Gm18	5272855	5273577	Gmdrm	hypo	CHH	-0.098
Gm18	5276393	5277387	Gmdrm	hypo	CHH	-0.1592
Gm18	5277396	5278394	Gmdrm	hypo	CHH	-0.1355
Gm18	5278406	5279397	Gmdrm	hypo	CHH	-0.1919
Gm18	5279411	5280373	Gmdrm	hypo	CHH	-0.2067
Gm18	5281259	5282253	Gmdrm	hypo	CHH	-0.0433
Gm18	5282264	5283259	Gmdrm	hypo	CHH	-0.0571
Gm18	5295716	5296705	Gmdrm	hypo	CHH	-0.1246
Gm18	5296719	5297719	Gmdrm	hypo	CHH	-0.0396
Gm18	5308588	5309587	Gmdrm	hypo	CHH	-0.2191
Gm18	5316567	5317562	Gmdrm	hypo	CHH	-0.0384
Gm18	5321632	5322626	Gmdrm	hypo	CHH	-0.2592
Gm18	5322638	5322724	Gmdrm	hypo	CHH	-0.4323
Gm18	5333690	5334690	Gmdrm	hypo	CHH	-0.0117
Gm18	5334708	5335706	Gmdrm	hypo	CHH	-0.0789
Gm18	5336765	5337764	Gmdrm	hypo	CHH	-0.0478
Gm18	5337767	5338731	Gmdrm	hypo	CHH	-0.0468
Gm18	5338773	5339733	Gmdrm	hypo	CHH	-0.0204
Gm18	5339794	5340785	Gmdrm	hypo	CHH	-0.0345
Gm18	5357978	5358960	Gmdrm	hypo	CHH	-0.029
Gm18	5361667	5362665	Gmdrm	hypo	CHH	-0.0616
Gm18	5366740	5367243	Gmdrm	hypo	CHH	-0.0273
Gm18	5369563	5370559	Gmdrm	hypo	CHH	-0.0801
Gm18	5372758	5373159	Gmdrm	hypo	CHH	-0.0245
Gm18	5380626	5381606	Gmdrm	hypo	CHH	-0.0452
Gm18	5390203	5391194	Gmdrm	hypo	CHH	-0.0683
Gm18	5391215	5392191	Gmdrm	hypo	CHH	-0.0721
Gm18	5399288	5400270	Gmdrm	hypo	CHH	-0.1049
Gm18	5404785	5405773	Gmdrm	hypo	CHH	-0.0171
Gm18	5406488	5407271	Gmdrm	hypo	CHH	-0.0223
Gm18	5407372	5408372	Gmdrm	hypo	CHH	-0.035
Gm18	5408375	5409297	Gmdrm	hypo	CHH	-0.0655
Gm18	5410608	5410806	Gmdrm	hypo	CHH	-0.0333
Gm18	5410952	5411944	Gmdrm	hypo	CHH	-0.066
Gm18	5411956	5412955	Gmdrm	hypo	CHH	-0.061
Gm18	5428499	5429498	Gmdrm	hypo	CHH	-0.0167
Gm18	5435267	5436264	Gmdrm	hypo	CHH	-0.0302
Gm18	5447707	5448695	Gmdrm	hypo	CHH	-0.0496
Gm18	5448725	5449724	Gmdrm	hypo	CHH	-0.0615

Gm18	5449732	5450114	Gmdrm	hypo	CHH	-0.1112
Gm18	5450366	5451083	Gmdrm	hypo	CHH	-0.0206
Gm18	5453660	5454652	Gmdrm	hypo	CHH	-0.0345
Gm18	5457750	5458742	Gmdrm	hypo	CHH	-0.0446
Gm18	5461978	5462116	Gmdrm	hypo	CHH	-0.0234
Gm18	5471786	5472738	Gmdrm	hypo	CHH	-0.0298
Gm18	5472937	5473933	Gmdrm	hypo	CHH	-0.0473
Gm18	5475903	5476903	Gmdrm	hypo	CHH	-0.0519
Gm18	5476908	5477899	Gmdrm	hypo	CHH	-0.0599
Gm18	5477933	5478919	Gmdrm	hypo	CHH	-0.0748
Gm18	5478944	5479913	Gmdrm	hypo	CHH	-0.0508
Gm18	5486228	5487227	Gmdrm	hypo	CHH	-0.0109
Gm18	5491320	5491636	Gmdrm	hypo	CHH	-0.0276
Gm18	5504096	5505077	Gmdrm	hypo	CHH	-0.0547
Gm18	5512649	5513627	Gmdrm	hypo	CHH	-0.2292
Gm18	5522583	5523574	Gmdrm	hypo	CHH	-0.066
Gm18	5529419	5530398	Gmdrm	hypo	CHH	-0.0122
Gm18	5530426	5531417	Gmdrm	hypo	CHH	-0.0132
Gm18	5551370	5552350	Gmdrm	hypo	CHH	-0.046
Gm18	5552376	5552725	Gmdrm	hypo	CHH	-0.0564
Gm18	5558944	5559944	Gmdrm	hypo	CHH	-0.0463
Gm18	5559945	5560723	Gmdrm	hypo	CHH	-0.0518
Gm18	5569929	5570927	Gmdrm	hypo	CHH	-0.0339
Gm18	5570931	5571926	Gmdrm	hypo	CHH	-0.0519
Gm18	5574737	5575711	Gmdrm	hypo	CHH	-0.0311
Gm18	5579601	5580578	Gmdrm	hypo	CHH	-0.0226
Gm18	5588940	5589936	Gmdrm	hypo	CHH	-0.0271
Gm18	5589952	5590928	Gmdrm	hypo	CHH	-0.0112
Gm18	5599441	5599849	Gmdrm	hypo	CHH	-0.0222
Gm18	5600215	5601208	Gmdrm	hypo	CHH	-0.0475
Gm18	5617254	5618248	Gmdrm	hypo	CHH	-0.0184
Gm18	5618275	5619273	Gmdrm	hypo	CHH	-0.0603
Gm18	5619279	5620272	Gmdrm	hypo	CHH	-0.0634
Gm18	5620282	5621277	Gmdrm	hypo	CHH	-0.01
Gm18	5624299	5625298	Gmdrm	hypo	CHH	-0.0565
Gm18	5628316	5629309	Gmdrm	hypo	CHH	-0.0769
Gm18	5629322	5630307	Gmdrm	hypo	CHH	-0.0245
Gm18	5631332	5632332	Gmdrm	hypo	CHH	-0.0246
Gm18	5632345	5633318	Gmdrm	hypo	CHH	-0.0371
Gm18	5641226	5641587	Gmdrm	hypo	CHH	-0.0389
Gm18	5643714	5644680	Gmdrm	hypo	CHH	-0.0701
Gm18	5646731	5647717	Gmdrm	hypo	CHH	-0.0227
Gm18	5656717	5656964	Gmdrm	hypo	CHH	-0.3716
Gm18	5659287	5660276	Gmdrm	hypo	CHH	-0.0125
Gm18	5668540	5669519	Gmdrm	hypo	CHH	-0.3261
Gm18	5672394	5673392	Gmdrm	hypo	CHH	-0.0499

Gm18	5673395	5674394	Gmdrm	hypo	CHH	-0.0422
Gm18	5674397	5675361	Gmdrm	hypo	CHH	-0.0718
Gm18	5676167	5677095	Gmdrm	hypo	CHH	-0.1081
Gm18	5685950	5686937	Gmdrm	hypo	CHH	-0.015
Gm18	5691034	5692019	Gmdrm	hypo	CHH	-0.0254
Gm18	5708995	5709994	Gmdrm	hypo	CHH	-0.1268
Gm18	5710010	5710998	Gmdrm	hypo	CHH	-0.0723
Gm18	5711033	5712028	Gmdrm	hypo	CHH	-0.1431
Gm18	5712036	5713029	Gmdrm	hypo	CHH	-0.0839
Gm18	5714048	5714623	Gmdrm	hypo	CHH	-0.1154
Gm18	5718553	5719539	Gmdrm	hypo	CHH	-0.194
Gm18	5732630	5733630	Gmdrm	hypo	CHH	-0.246
Gm18	5733631	5734218	Gmdrm	hypo	CHH	-0.3315
Gm18	5740123	5741123	Gmdrm	hypo	CHH	-0.1021
Gm18	5741129	5742125	Gmdrm	hypo	CHH	-0.0164
Gm18	5749475	5750475	Gmdrm	hypo	CHH	-0.0482
Gm18	5750489	5751473	Gmdrm	hypo	CHH	-0.0452
Gm18	5754420	5755417	Gmdrm	hypo	CHH	-0.0505
Gm18	5771889	5772616	Gmdrm	hypo	CHH	-0.0348
Gm18	5795914	5796874	Gmdrm	hypo	CHH	-0.3067
Gm18	5796915	5797896	Gmdrm	hypo	CHH	-0.0166
Gm18	5801124	5801390	Gmdrm	hypo	CHH	-0.2816
Gm18	5802804	5803804	Gmdrm	hypo	CHH	-0.1486
Gm18	5803805	5804015	Gmdrm	hypo	CHH	-0.2007
Gm18	5821796	5822780	Gmdrm	hypo	CHH	-0.0888
Gm18	5829073	5830068	Gmdrm	hypo	CHH	-0.074
Gm18	5831106	5832099	Gmdrm	hypo	CHH	-0.1314
Gm18	5834715	5835609	Gmdrm	hypo	CHH	-0.0534
Gm18	5837345	5838334	Gmdrm	hypo	CHH	-0.0272
Gm18	5838352	5839341	Gmdrm	hypo	CHH	-0.064
Gm18	5853905	5854897	Gmdrm	hypo	CHH	-0.0383
Gm18	5858162	5858321	Gmdrm	hypo	CHH	-0.036
Gm18	5860520	5861494	Gmdrm	hypo	CHH	-0.0226
Gm18	5863224	5863895	Gmdrm	hypo	CHH	-0.0246
Gm18	5876267	5877257	Gmdrm	hypo	CHH	-0.0357
Gm18	5884401	5885320	Gmdrm	hypo	CHH	-0.0206
Gm18	5886552	5887535	Gmdrm	hypo	CHH	-0.1142
Gm18	5887607	5888528	Gmdrm	hypo	CHH	-0.1464
Gm18	5889315	5890305	Gmdrm	hypo	CHH	-0.1126
Gm18	5890317	5891314	Gmdrm	hypo	CHH	-0.0235
Gm18	5891321	5892314	Gmdrm	hypo	CHH	-0.0295
Gm18	5893330	5894317	Gmdrm	hypo	CHH	-0.0564
Gm18	5911910	5912902	Gmdrm	hypo	CHH	-0.0113
Gm18	5914943	5915943	Gmdrm	hypo	CHH	-0.0854
Gm18	5921032	5921188	Gmdrm	hypo	CHH	-0.0417
Gm18	5923328	5923621	Gmdrm	hypo	CHH	-0.0409

Gm18	5926496	5927494	Gmdrm	hypo	CHH	-0.0857
Gm18	5933149	5934144	Gmdrm	hypo	CHH	-0.0772
Gm18	5934157	5934953	Gmdrm	hypo	CHH	-0.094
Gm18	5941967	5942963	Gmdrm	hypo	CHH	-0.0183
Gm18	5948876	5949632	Gmdrm	hypo	CHH	-0.0224
Gm18	5953833	5954826	Gmdrm	hypo	CHH	-0.0653
Gm18	5954838	5955781	Gmdrm	hypo	CHH	-0.0946
Gm18	5955843	5956585	Gmdrm	hypo	CHH	-0.0132
Gm18	5963689	5964688	Gmdrm	hypo	CHH	-0.1822
Gm18	5964701	5965693	Gmdrm	hypo	CHH	-0.2163
Gm18	5970425	5971419	Gmdrm	hypo	CHH	-0.207
Gm18	5971434	5972434	Gmdrm	hypo	CHH	-0.1037
Gm18	5972435	5973337	Gmdrm	hypo	CHH	-0.0937
Gm18	5979553	5980550	Gmdrm	hypo	CHH	-0.0636
Gm18	5980557	5981555	Gmdrm	hypo	CHH	-0.1182
Gm18	5981558	5982466	Gmdrm	hypo	CHH	-0.0194
Gm18	5997023	5998019	Gmdrm	hypo	CHH	-0.0682
Gm18	6009015	6010006	Gmdrm	hypo	CHH	-0.0438
Gm18	6010017	6011015	Gmdrm	hypo	CHH	-0.0663
Gm18	6011019	6011176	Gmdrm	hypo	CHH	-0.0825
Gm18	6011487	6012481	Gmdrm	hypo	CHH	-0.0334
Gm18	6012488	6013481	Gmdrm	hypo	CHH	-0.0702
Gm18	6013491	6014472	Gmdrm	hypo	CHH	-0.0531
Gm18	6015524	6016523	Gmdrm	hypo	CHH	-0.0243
Gm18	6018919	6019915	Gmdrm	hypo	CHH	-0.0159
Gm18	6025187	6025275	Gmdrm	hypo	CHH	-0.2814
Gm18	6027402	6028387	Gmdrm	hypo	CHH	-0.0599
Gm18	6028452	6029443	Gmdrm	hypo	CHH	-0.0593
Gm18	6029455	6030448	Gmdrm	hypo	CHH	-0.0751
Gm18	6036478	6037475	Gmdrm	hypo	CHH	-0.0134
Gm18	6038536	6039525	Gmdrm	hypo	CHH	-0.055
Gm18	6040576	6041576	Gmdrm	hypo	CHH	-0.067
Gm18	6044756	6045755	Gmdrm	hypo	CHH	-0.0597
Gm18	6045760	6046012	Gmdrm	hypo	CHH	-0.0215
Gm18	6047606	6048606	Gmdrm	hypo	CHH	-0.1598
Gm18	6048607	6049593	Gmdrm	hypo	CHH	-0.2799
Gm18	6049657	6050656	Gmdrm	hypo	CHH	-0.0174
Gm18	6051521	6052502	Gmdrm	hypo	CHH	-0.0304
Gm18	6058357	6058826	Gmdrm	hypo	CHH	-0.0213
Gm18	6069372	6070369	Gmdrm	hypo	CHH	-0.0316
Gm18	6070404	6071364	Gmdrm	hypo	CHH	-0.0999
Gm18	6071425	6071558	Gmdrm	hypo	CHH	-0.04
Gm18	6072687	6073683	Gmdrm	hypo	CHH	-0.1006
Gm18	6073688	6074023	Gmdrm	hypo	CHH	-0.075
Gm18	6075155	6076136	Gmdrm	hypo	CHH	-0.1095
Gm18	6076164	6076876	Gmdrm	hypo	CHH	-0.0527

Gm18	6077277	6078253 Gmdrm	hypo	CHH	-0.0402
Gm18	6081980	6082049 Gmdrm	hypo	CHH	-0.128
Gm18	6088385	6089239 Gmdrm	hypo	CHH	-0.0731
Gm18	6089346	6089785 Gmdrm	hypo	CHH	-0.0774
Gm18	6103542	6104542 Gmdrm	hypo	CHH	-0.0562
Gm18	6104544	6105520 Gmdrm	hypo	CHH	-0.0899
Gm18	6107347	6108347 Gmdrm	hypo	CHH	-0.1764
Gm18	6108350	6109345 Gmdrm	hypo	CHH	-0.4731
Gm18	6115437	6116435 Gmdrm	hypo	CHH	-0.0621
Gm18	6116443	6117443 Gmdrm	hypo	CHH	-0.0397
Gm18	6122749	6123731 Gmdrm	hypo	CHH	-0.0222
Gm18	6134275	6135270 Gmdrm	hypo	CHH	-0.0509
Gm18	6135279	6135536 Gmdrm	hypo	CHH	-0.0248
Gm18	6138667	6139666 Gmdrm	hypo	CHH	-0.0947
Gm18	6139674	6140615 Gmdrm	hypo	CHH	-0.0495
Gm18	6140675	6141661 Gmdrm	hypo	CHH	-0.0482
Gm18	6147086	6148083 Gmdrm	hypo	CHH	-0.0949
Gm18	6148091	6148923 Gmdrm	hypo	CHH	-0.1164
Gm18	6152670	6153655 Gmdrm	hypo	CHH	-0.0508
Gm18	6158950	6159947 Gmdrm	hypo	CHH	-0.0724
Gm18	6159955	6160447 Gmdrm	hypo	CHH	-0.1103
Gm18	6160777	6161223 Gmdrm	hypo	CHH	-0.0891
Gm18	6162120	6163115 Gmdrm	hypo	CHH	-0.0849
Gm18	6165556	6166535 Gmdrm	hypo	CHH	-0.0845
Gm18	6168780	6169780 Gmdrm	hypo	CHH	-0.043
Gm18	6169801	6170800 Gmdrm	hypo	CHH	-0.1009
Gm18	6176491	6177152 Gmdrm	hypo	CHH	-0.1247
Gm18	6185848	6186841 Gmdrm	hypo	CHH	-0.1244
Gm18	6190401	6191396 Gmdrm	hypo	CHH	-0.0123
Gm18	6192198	6193188 Gmdrm	hypo	CHH	-0.0421
Gm18	6193237	6194235 Gmdrm	hypo	CHH	-0.0743
Gm18	6194244	6195238 Gmdrm	hypo	CHH	-0.0548
Gm18	6198108	6199102 Gmdrm	hypo	CHH	-0.0311
Gm18	6199819	6200771 Gmdrm	hypo	CHH	-0.0308
Gm18	6201829	6202824 Gmdrm	hypo	CHH	-0.0227
Gm18	6209962	6210931 Gmdrm	hypo	CHH	-0.0179
Gm18	6216048	6217036 Gmdrm	hypo	CHH	-0.0176
Gm18	6220103	6221039 Gmdrm	hypo	CHH	-0.1123
Gm18	6228082	6229080 Gmdrm	hypo	CHH	-0.0764
Gm18	6229319	6229968 Gmdrm	hypo	CHH	-0.0279
Gm18	6234445	6235423 Gmdrm	hypo	CHH	-0.0125
Gm18	6245437	6245638 Gmdrm	hypo	CHH	-0.025
Gm18	6248507	6249504 Gmdrm	hypo	CHH	-0.0611
Gm18	6249511	6250494 Gmdrm	hypo	CHH	-0.0759
Gm18	6250516	6250777 Gmdrm	hypo	CHH	-0.036
Gm18	6251551	6252543 Gmdrm	hypo	CHH	-0.1326

Gm18	6256220	6256775 Gmdrm	hypo	CHH	-0.1965
Gm18	6256932	6257925 Gmdrm	hypo	CHH	-0.0921
Gm18	6257945	6258943 Gmdrm	hypo	CHH	-0.0272
Gm18	6258948	6259948 Gmdrm	hypo	CHH	-0.0762
Gm18	6259951	6260875 Gmdrm	hypo	CHH	-0.1092
Gm18	6266305	6267288 Gmdrm	hypo	CHH	-0.048
Gm18	6267310	6268300 Gmdrm	hypo	CHH	-0.1389
Gm18	6272677	6272957 Gmdrm	hypo	CHH	-0.021
Gm18	6274343	6275341 Gmdrm	hypo	CHH	-0.1223
Gm18	6276932	6277539 Gmdrm	hypo	CHH	-0.0352
Gm18	6278618	6279203 Gmdrm	hypo	CHH	-0.0442
Gm18	6289534	6290503 Gmdrm	hypo	CHH	-0.0147
Gm18	6290539	6291515 Gmdrm	hypo	CHH	-0.0703
Gm18	6291589	6292575 Gmdrm	hypo	CHH	-0.0217
Gm18	6292595	6292700 Gmdrm	hypo	CHH	-0.2729
Gm18	6301767	6302758 Gmdrm	hypo	CHH	-0.0219
Gm18	6306411	6306860 Gmdrm	hypo	CHH	-0.0318
Gm18	6344710	6345234 Gmdrm	hypo	CHH	-0.0978
Gm18	6351615	6352612 Gmdrm	hypo	CHH	-0.0324
Gm18	6357274	6358240 Gmdrm	hypo	CHH	-0.0207
Gm18	6359308	6360267 Gmdrm	hypo	CHH	-0.0445
Gm18	6360310	6361299 Gmdrm	hypo	CHH	-0.071
Gm18	6361320	6362314 Gmdrm	hypo	CHH	-0.0721
Gm18	6362322	6363304 Gmdrm	hypo	CHH	-0.0847
Gm18	6367619	6368619 Gmdrm	hypo	CHH	-0.015
Gm18	6378819	6379308 Gmdrm	hypo	CHH	-0.0589
Gm18	6384347	6385344 Gmdrm	hypo	CHH	-0.1146
Gm18	6385350	6386349 Gmdrm	hypo	CHH	-0.0738
Gm18	6388456	6389444 Gmdrm	hypo	CHH	-0.0703
Gm18	6390567	6391567 Gmdrm	hypo	CHH	-0.0296
Gm18	6394599	6395595 Gmdrm	hypo	CHH	-0.0234
Gm18	6396693	6397683 Gmdrm	hypo	CHH	-0.0174
Gm18	6399708	6400708 Gmdrm	hypo	CHH	-0.0128
Gm18	6409908	6410310 Gmdrm	hypo	CHH	-0.1676
Gm18	6410450	6411450 Gmdrm	hypo	CHH	-0.0785
Gm18	6421018	6421781 Gmdrm	hypo	CHH	-0.2527
Gm18	6442548	6443505 Gmdrm	hypo	CHH	-0.0292
Gm18	6458654	6459652 Gmdrm	hypo	CHH	-0.1146
Gm18	6475007	6476003 Gmdrm	hypo	CHH	-0.0641
Gm18	6476011	6476995 Gmdrm	hypo	CHH	-0.0968
Gm18	6478030	6478426 Gmdrm	hypo	CHH	-0.0415
Gm18	6486713	6487712 Gmdrm	hypo	CHH	-0.0481
Gm18	6487718	6488694 Gmdrm	hypo	CHH	-0.12
Gm18	6489739	6490732 Gmdrm	hypo	CHH	-0.1251
Gm18	6493757	6494755 Gmdrm	hypo	CHH	-0.027
Gm18	6494796	6495793 Gmdrm	hypo	CHH	-0.0278

Gm18	6495804	6496802	Gmdrm	hypo	CHH	-0.0159
Gm18	6500453	6501452	Gmdrm	hypo	CHH	-0.0815
Gm18	6511886	6512834	Gmdrm	hypo	CHH	-0.01
Gm18	6514918	6515913	Gmdrm	hypo	CHH	-0.0998
Gm18	6515921	6516904	Gmdrm	hypo	CHH	-0.0643
Gm18	6520410	6521396	Gmdrm	hypo	CHH	-0.0512
Gm18	6521413	6522411	Gmdrm	hypo	CHH	-0.0333
Gm18	6522414	6523410	Gmdrm	hypo	CHH	-0.0324
Gm18	6523416	6524344	Gmdrm	hypo	CHH	-0.0483
Gm18	6525365	6525676	Gmdrm	hypo	CHH	-0.0248
Gm18	6525792	6526540	Gmdrm	hypo	CHH	-0.0418
Gm18	6536355	6537334	Gmdrm	hypo	CHH	-0.0971
Gm18	6538388	6539375	Gmdrm	hypo	CHH	-0.0156
Gm18	6561980	6562979	Gmdrm	hypo	CHH	-0.0427
Gm18	6582650	6583643	Gmdrm	hypo	CHH	-0.0417
Gm18	6598533	6599532	Gmdrm	hypo	CHH	-0.1374
Gm18	6599535	6600530	Gmdrm	hypo	CHH	-0.1421
Gm18	6600561	6600740	Gmdrm	hypo	CHH	-0.056
Gm18	6609052	6610047	Gmdrm	hypo	CHH	-0.0677
Gm18	6622442	6623435	Gmdrm	hypo	CHH	-0.0234
Gm18	6626658	6627647	Gmdrm	hypo	CHH	-0.0932
Gm18	6648026	6649022	Gmdrm	hypo	CHH	-0.0601
Gm18	6649027	6650027	Gmdrm	hypo	CHH	-0.0854
Gm18	6651096	6652095	Gmdrm	hypo	CHH	-0.0233
Gm18	6653115	6654104	Gmdrm	hypo	CHH	-0.0665
Gm18	6655131	6656114	Gmdrm	hypo	CHH	-0.1259
Gm18	6656699	6657690	Gmdrm	hypo	CHH	-0.0547
Gm18	6657708	6658688	Gmdrm	hypo	CHH	-0.0478
Gm18	6665147	6665978	Gmdrm	hypo	CHH	-0.0299
Gm18	6673281	6674263	Gmdrm	hypo	CHH	-0.0242
Gm18	6676349	6677332	Gmdrm	hypo	CHH	-0.0141
Gm18	6681075	6682031	Gmdrm	hypo	CHH	-0.03
Gm18	6684810	6685805	Gmdrm	hypo	CHH	-0.0793
Gm18	6688369	6689142	Gmdrm	hypo	CHH	-0.0338
Gm18	6694578	6695560	Gmdrm	hypo	CHH	-0.0317
Gm18	6706714	6707365	Gmdrm	hypo	CHH	-0.0931
Gm18	6707729	6708714	Gmdrm	hypo	CHH	-0.0685
Gm18	6708938	6709083	Gmdrm	hypo	CHH	-0.1317
Gm18	6709673	6710005	Gmdrm	hypo	CHH	-0.0433
Gm18	6714237	6715208	Gmdrm	hypo	CHH	-0.1151
Gm18	6724844	6725838	Gmdrm	hypo	CHH	-0.2318
Gm18	6730861	6731839	Gmdrm	hypo	CHH	-0.0499
Gm18	6732864	6733855	Gmdrm	hypo	CHH	-0.0455
Gm18	6737077	6738075	Gmdrm	hypo	CHH	-0.025
Gm18	6746057	6747053	Gmdrm	hypo	CHH	-0.0117
Gm18	6752604	6752921	Gmdrm	hypo	CHH	-0.0269

Gm18	6754336	6755328 Gmdrm	hypo	CHH	-0.0253
Gm18	6755342	6755771 Gmdrm	hypo	CHH	-0.0214
Gm18	6758609	6759607 Gmdrm	hypo	CHH	-0.0266
Gm18	6762860	6763525 Gmdrm	hypo	CHH	-0.017
Gm18	6765321	6766315 Gmdrm	hypo	CHH	-0.1078
Gm18	6770501	6771466 Gmdrm	hypo	CHH	-0.0385
Gm18	6783284	6783377 Gmdrm	hypo	CHH	-0.086
Gm18	6799120	6800113 Gmdrm	hypo	CHH	-0.0163
Gm18	6800178	6801176 Gmdrm	hypo	CHH	-0.0604
Gm18	6801179	6802179 Gmdrm	hypo	CHH	-0.0584
Gm18	6802180	6802859 Gmdrm	hypo	CHH	-0.0416
Gm18	6806789	6807786 Gmdrm	hypo	CHH	-0.014
Gm18	6808568	6809548 Gmdrm	hypo	CHH	-0.0355
Gm18	6810592	6811592 Gmdrm	hypo	CHH	-0.0174
Gm18	6811596	6812583 Gmdrm	hypo	CHH	-0.0681
Gm18	6814647	6815640 Gmdrm	hypo	CHH	-0.0674
Gm18	6825474	6826470 Gmdrm	hypo	CHH	-0.1877
Gm18	6829522	6830510 Gmdrm	hypo	CHH	-0.1261
Gm18	6831542	6832542 Gmdrm	hypo	CHH	-0.0778
Gm18	6832924	6833922 Gmdrm	hypo	CHH	-0.1703
Gm18	6834788	6835775 Gmdrm	hypo	CHH	-0.0758
Gm18	6836799	6837786 Gmdrm	hypo	CHH	-0.0592
Gm18	6842885	6843884 Gmdrm	hypo	CHH	-0.0294
Gm18	6851408	6852406 Gmdrm	hypo	CHH	-0.0251
Gm18	6855647	6856634 Gmdrm	hypo	CHH	-0.0718
Gm18	6856675	6857665 Gmdrm	hypo	CHH	-0.0312
Gm18	6857682	6858476 Gmdrm	hypo	CHH	-0.067
Gm18	6858597	6859587 Gmdrm	hypo	CHH	-0.062
Gm18	6869775	6870773 Gmdrm	hypo	CHH	-0.0547
Gm18	6892475	6893472 Gmdrm	hypo	CHH	-0.1054
Gm18	6893478	6893885 Gmdrm	hypo	CHH	-0.0558
Gm18	6894011	6895011 Gmdrm	hypo	CHH	-0.0162
Gm18	6895012	6896009 Gmdrm	hypo	CHH	-0.0531
Gm18	6896016	6897003 Gmdrm	hypo	CHH	-0.0477
Gm18	6911298	6912298 Gmdrm	hypo	CHH	-0.0563
Gm18	6913518	6914019 Gmdrm	hypo	CHH	-0.1179
Gm18	6914156	6914375 Gmdrm	hypo	CHH	-0.0966
Gm18	6921552	6922541 Gmdrm	hypo	CHH	-0.0356
Gm18	6931936	6932583 Gmdrm	hypo	CHH	-0.0426
Gm18	6935342	6936341 Gmdrm	hypo	CHH	-0.0563
Gm18	6940633	6941633 Gmdrm	hypo	CHH	-0.0231
Gm18	6941645	6941950 Gmdrm	hypo	CHH	-0.2377
Gm18	6942789	6943767 Gmdrm	hypo	CHH	-0.0423
Gm18	6950510	6951507 Gmdrm	hypo	CHH	-0.0118
Gm18	6974174	6974630 Gmdrm	hypo	CHH	-0.1048
Gm18	6979345	6980343 Gmdrm	hypo	CHH	-0.0133

Gm18	6980349	6980970 Gmdrm	hypo	CHH	-0.098
Gm18	6991129	6992123 Gmdrm	hypo	CHH	-0.0417
Gm18	6992149	6993130 Gmdrm	hypo	CHH	-0.0837
Gm18	7018002	7018982 Gmdrm	hypo	CHH	-0.0452
Gm18	7027223	7028221 Gmdrm	hypo	CHH	-0.1034
Gm18	7029233	7030221 Gmdrm	hypo	CHH	-0.1409
Gm18	7031243	7032241 Gmdrm	hypo	CHH	-0.1488
Gm18	7037345	7038341 Gmdrm	hypo	CHH	-0.0166
Gm18	7038354	7039321 Gmdrm	hypo	CHH	-0.1819
Gm18	7041914	7042900 Gmdrm	hypo	CHH	-0.0227
Gm18	7045867	7046857 Gmdrm	hypo	CHH	-0.2426
Gm18	7062105	7063088 Gmdrm	hypo	CHH	-0.0213
Gm18	7065202	7066197 Gmdrm	hypo	CHH	-0.1803
Gm18	7066203	7067203 Gmdrm	hypo	CHH	-0.0762
Gm18	7067207	7068204 Gmdrm	hypo	CHH	-0.1437
Gm18	7072244	7073244 Gmdrm	hypo	CHH	-0.1069
Gm18	7073245	7074242 Gmdrm	hypo	CHH	-0.0767
Gm18	7077230	7078230 Gmdrm	hypo	CHH	-0.0831
Gm18	7091709	7092703 Gmdrm	hypo	CHH	-0.1299
Gm18	7092712	7093707 Gmdrm	hypo	CHH	-0.2306
Gm18	7107140	7108138 Gmdrm	hypo	CHH	-0.016
Gm18	7110173	7111149 Gmdrm	hypo	CHH	-0.0295
Gm18	7118417	7119225 Gmdrm	hypo	CHH	-0.0541
Gm18	7123350	7124350 Gmdrm	hypo	CHH	-0.0185
Gm18	7124353	7125217 Gmdrm	hypo	CHH	-0.1075
Gm18	7127370	7128337 Gmdrm	hypo	CHH	-0.0475
Gm18	7128376	7128882 Gmdrm	hypo	CHH	-0.0366
Gm18	7130635	7131630 Gmdrm	hypo	CHH	-0.0478
Gm18	7131642	7132641 Gmdrm	hypo	CHH	-0.0836
Gm18	7132717	7133675 Gmdrm	hypo	CHH	-0.0993
Gm18	7133802	7134787 Gmdrm	hypo	CHH	-0.0726
Gm18	7134805	7135805 Gmdrm	hypo	CHH	-0.0546
Gm18	7135813	7136390 Gmdrm	hypo	CHH	-0.0488
Gm18	7147236	7147960 Gmdrm	hypo	CHH	-0.022
Gm18	7148088	7148978 Gmdrm	hypo	CHH	-0.0192
Gm18	7152257	7153048 Gmdrm	hypo	CHH	-0.0309
Gm18	7170112	7171107 Gmdrm	hypo	CHH	-0.0403
Gm18	7171127	7172100 Gmdrm	hypo	CHH	-0.0443
Gm18	7172131	7173130 Gmdrm	hypo	CHH	-0.0306
Gm18	7174542	7175541 Gmdrm	hypo	CHH	-0.0299
Gm18	7176577	7177576 Gmdrm	hypo	CHH	-0.0344
Gm18	7177585	7178561 Gmdrm	hypo	CHH	-0.0229
Gm18	7178589	7179577 Gmdrm	hypo	CHH	-0.0424
Gm18	7195232	7196230 Gmdrm	hypo	CHH	-0.0338
Gm18	7196237	7197228 Gmdrm	hypo	CHH	-0.1004
Gm18	7199213	7199335 Gmdrm	hypo	CHH	-0.0684

Gm18	7233119	7234117 Gmdrm	hypo	CHH	-0.0374
Gm18	7236157	7237143 Gmdrm	hypo	CHH	-0.1929
Gm18	7243397	7244394 Gmdrm	hypo	CHH	-0.0214
Gm18	7245409	7246317 Gmdrm	hypo	CHH	-0.027
Gm18	7253673	7254542 Gmdrm	hypo	CHH	-0.0228
Gm18	7255732	7256719 Gmdrm	hypo	CHH	-0.1502
Gm18	7256752	7257739 Gmdrm	hypo	CHH	-0.12
Gm18	7257768	7258249 Gmdrm	hypo	CHH	-0.1254
Gm18	7259521	7260510 Gmdrm	hypo	CHH	-0.0746
Gm18	7262876	7263873 Gmdrm	hypo	CHH	-0.0515
Gm18	7281965	7282858 Gmdrm	hypo	CHH	-0.1006
Gm18	7288305	7289305 Gmdrm	hypo	CHH	-0.0885
Gm18	7289333	7290330 Gmdrm	hypo	CHH	-0.0741
Gm18	7305234	7306153 Gmdrm	hypo	CHH	-0.0297
Gm18	7314212	7315199 Gmdrm	hypo	CHH	-0.2329
Gm18	7322221	7322600 Gmdrm	hypo	CHH	-0.0646
Gm18	7348858	7349334 Gmdrm	hypo	CHH	-0.032
Gm18	7351851	7352850 Gmdrm	hypo	CHH	-0.0472
Gm18	7362639	7363627 Gmdrm	hypo	CHH	-0.0547
Gm18	7363646	7364643 Gmdrm	hypo	CHH	-0.0579
Gm18	7368214	7368318 Gmdrm	hypo	CHH	-0.0629
Gm18	7368429	7369428 Gmdrm	hypo	CHH	-0.0482
Gm18	7369430	7370427 Gmdrm	hypo	CHH	-0.0513
Gm18	7370432	7370876 Gmdrm	hypo	CHH	-0.0823
Gm18	7374454	7375433 Gmdrm	hypo	CHH	-0.0316
Gm18	7378523	7379484 Gmdrm	hypo	CHH	-0.0342
Gm18	7431725	7432721 Gmdrm	hypo	CHH	-0.0436
Gm18	7432743	7433743 Gmdrm	hypo	CHH	-0.0485
Gm18	7435097	7436097 Gmdrm	hypo	CHH	-0.1449
Gm18	7436103	7437088 Gmdrm	hypo	CHH	-0.0132
Gm18	7452568	7453562 Gmdrm	hypo	CHH	-0.017
Gm18	7453746	7454743 Gmdrm	hypo	CHH	-0.0455
Gm18	7454767	7455414 Gmdrm	hypo	CHH	-0.0423
Gm18	7468763	7469756 Gmdrm	hypo	CHH	-0.0499
Gm18	7469777	7470754 Gmdrm	hypo	CHH	-0.0546
Gm18	7476893	7477846 Gmdrm	hypo	CHH	-0.1056
Gm18	7478065	7479056 Gmdrm	hypo	CHH	-0.0644
Gm18	7479108	7480106 Gmdrm	hypo	CHH	-0.0772
Gm18	7480124	7481115 Gmdrm	hypo	CHH	-0.089
Gm18	7483218	7484216 Gmdrm	hypo	CHH	-0.035
Gm18	7493614	7494611 Gmdrm	hypo	CHH	-0.0158
Gm18	7498729	7499718 Gmdrm	hypo	CHH	-0.0286
Gm18	7504968	7505710 Gmdrm	hypo	CHH	-0.0244
Gm18	7530572	7531514 Gmdrm	hypo	CHH	-0.0319
Gm18	7535613	7536611 Gmdrm	hypo	CHH	-0.0311
Gm18	7560513	7561444 Gmdrm	hypo	CHH	-0.0192

Gm18	7561548	7562548 Gmdrm	hypo	CHH	-0.0381
Gm18	7562549	7563547 Gmdrm	hypo	CHH	-0.0342
Gm18	7563552	7564552 Gmdrm	hypo	CHH	-0.0593
Gm18	7564856	7565854 Gmdrm	hypo	CHH	-0.0154
Gm18	7568913	7569895 Gmdrm	hypo	CHH	-0.02
Gm18	7574794	7575794 Gmdrm	hypo	CHH	-0.0202
Gm18	7575797	7576796 Gmdrm	hypo	CHH	-0.0376
Gm18	7576798	7577117 Gmdrm	hypo	CHH	-0.0261
Gm18	7577420	7578420 Gmdrm	hypo	CHH	-0.1312
Gm18	7578430	7578948 Gmdrm	hypo	CHH	-0.1274
Gm18	7587592	7588129 Gmdrm	hypo	CHH	-0.019
Gm18	7590260	7591237 Gmdrm	hypo	CHH	-0.0259
Gm18	7591267	7592267 Gmdrm	hypo	CHH	-0.0304
Gm18	7597522	7598513 Gmdrm	hypo	CHH	-0.0361
Gm18	7598524	7599523 Gmdrm	hypo	CHH	-0.0364
Gm18	7599525	7600450 Gmdrm	hypo	CHH	-0.0438
Gm18	7601535	7602531 Gmdrm	hypo	CHH	-0.0171
Gm18	7602536	7603088 Gmdrm	hypo	CHH	-0.0651
Gm18	7604046	7605042 Gmdrm	hypo	CHH	-0.2134
Gm18	7605047	7606047 Gmdrm	hypo	CHH	-0.1052
Gm18	7606051	7606998 Gmdrm	hypo	CHH	-0.0615
Gm18	7611528	7612516 Gmdrm	hypo	CHH	-0.0846
Gm18	7613600	7614599 Gmdrm	hypo	CHH	-0.0326
Gm18	7616974	7617957 Gmdrm	hypo	CHH	-0.1279
Gm18	7623446	7624444 Gmdrm	hypo	CHH	-0.0291
Gm18	7624447	7625439 Gmdrm	hypo	CHH	-0.158
Gm18	7625448	7626443 Gmdrm	hypo	CHH	-0.0749
Gm18	7626460	7627437 Gmdrm	hypo	CHH	-0.0163
Gm18	7628259	7629249 Gmdrm	hypo	CHH	-0.1612
Gm18	7629260	7629463 Gmdrm	hypo	CHH	-0.1276
Gm18	7636051	7637020 Gmdrm	hypo	CHH	-0.0548
Gm18	7641154	7641935 Gmdrm	hypo	CHH	-0.2245
Gm18	7656619	7657611 Gmdrm	hypo	CHH	-0.0908
Gm18	7661581	7662538 Gmdrm	hypo	CHH	-0.0276
Gm18	7663819	7664691 Gmdrm	hypo	CHH	-0.0288
Gm18	7665800	7666737 Gmdrm	hypo	CHH	-0.1586
Gm18	7666828	7667381 Gmdrm	hypo	CHH	-0.0205
Gm18	7670790	7671752 Gmdrm	hypo	CHH	-0.0259
Gm18	7673614	7674598 Gmdrm	hypo	CHH	-0.0735
Gm18	7680683	7681671 Gmdrm	hypo	CHH	-0.0291
Gm18	7683712	7684663 Gmdrm	hypo	CHH	-0.0604
Gm18	7691813	7692186 Gmdrm	hypo	CHH	-0.0726
Gm18	7692502	7693489 Gmdrm	hypo	CHH	-0.0399
Gm18	7693509	7694507 Gmdrm	hypo	CHH	-0.0245
Gm18	7706809	7707793 Gmdrm	hypo	CHH	-0.038
Gm18	7716966	7717966 Gmdrm	hypo	CHH	-0.1933

Gm18	7717983	7718959 Gmdrm	hypo	CHH	-0.3385
Gm18	7719367	7719920 Gmdrm	hypo	CHH	-0.0636
Gm18	7720032	7720991 Gmdrm	hypo	CHH	-0.0241
Gm18	7725845	7726845 Gmdrm	hypo	CHH	-0.0257
Gm18	7726848	7727848 Gmdrm	hypo	CHH	-0.051
Gm18	7749407	7750400 Gmdrm	hypo	CHH	-0.0957
Gm18	7752020	7752782 Gmdrm	hypo	CHH	-0.0131
Gm18	7753891	7754723 Gmdrm	hypo	CHH	-0.0256
Gm18	7761230	7762217 Gmdrm	hypo	CHH	-0.023
Gm18	7762235	7763228 Gmdrm	hypo	CHH	-0.1227
Gm18	7764448	7765434 Gmdrm	hypo	CHH	-0.0424
Gm18	7768538	7769507 Gmdrm	hypo	CHH	-0.0669
Gm18	7770552	7771546 Gmdrm	hypo	CHH	-0.0952
Gm18	7776486	7777484 Gmdrm	hypo	CHH	-0.1856
Gm18	7777488	7777850 Gmdrm	hypo	CHH	-0.4254
Gm18	7789073	7789304 Gmdrm	hypo	CHH	-0.04
Gm18	7794048	7795026 Gmdrm	hypo	CHH	-0.1223
Gm18	7795050	7796043 Gmdrm	hypo	CHH	-0.0968
Gm18	7796088	7796207 Gmdrm	hypo	CHH	-0.0514
Gm18	7796350	7797330 Gmdrm	hypo	CHH	-0.046
Gm18	7804392	7805389 Gmdrm	hypo	CHH	-0.0652
Gm18	7815332	7816315 Gmdrm	hypo	CHH	-0.104
Gm18	7817747	7818745 Gmdrm	hypo	CHH	-0.0314
Gm18	7818749	7819748 Gmdrm	hypo	CHH	-0.1025
Gm18	7823827	7824822 Gmdrm	hypo	CHH	-0.0176
Gm18	7847904	7848901 Gmdrm	hypo	CHH	-0.0395
Gm18	7849915	7850887 Gmdrm	hypo	CHH	-0.0139
Gm18	7865175	7866162 Gmdrm	hypo	CHH	-0.0537
Gm18	7866181	7867174 Gmdrm	hypo	CHH	-0.0698
Gm18	7867190	7868172 Gmdrm	hypo	CHH	-0.012
Gm18	7868507	7869502 Gmdrm	hypo	CHH	-0.0352
Gm18	7869508	7870497 Gmdrm	hypo	CHH	-0.0882
Gm18	7870515	7871438 Gmdrm	hypo	CHH	-0.0203
Gm18	7877686	7878678 Gmdrm	hypo	CHH	-0.2627
Gm18	7878687	7879685 Gmdrm	hypo	CHH	-0.0363
Gm18	7880692	7881672 Gmdrm	hypo	CHH	-0.0777
Gm18	7882843	7883830 Gmdrm	hypo	CHH	-0.0204
Gm18	7892829	7892979 Gmdrm	hypo	CHH	-0.054
Gm18	7893194	7894073 Gmdrm	hypo	CHH	-0.031
Gm18	7894195	7895192 Gmdrm	hypo	CHH	-0.1792
Gm18	7895213	7896198 Gmdrm	hypo	CHH	-0.0206
Gm18	7897967	7898963 Gmdrm	hypo	CHH	-0.0162
Gm18	7898968	7899625 Gmdrm	hypo	CHH	-0.0443
Gm18	7905164	7906161 Gmdrm	hypo	CHH	-0.0423
Gm18	7907167	7908060 Gmdrm	hypo	CHH	-0.0638
Gm18	7909391	7910373 Gmdrm	hypo	CHH	-0.0106

Gm18	7910416	7911387 Gmdrm	hypo	CHH	-0.036
Gm18	7923914	7924911 Gmdrm	hypo	CHH	-0.029
Gm18	7924944	7925894 Gmdrm	hypo	CHH	-0.0256
Gm18	7929314	7930292 Gmdrm	hypo	CHH	-0.0213
Gm18	7930337	7931323 Gmdrm	hypo	CHH	-0.0519
Gm18	7932370	7933362 Gmdrm	hypo	CHH	-0.0655
Gm18	7933390	7934289 Gmdrm	hypo	CHH	-0.017
Gm18	7935440	7936425 Gmdrm	hypo	CHH	-0.016
Gm18	7936454	7936903 Gmdrm	hypo	CHH	-0.0741
Gm18	7937217	7937422 Gmdrm	hypo	CHH	-0.12
Gm18	7937526	7937670 Gmdrm	hypo	CHH	-0.056
Gm18	7940033	7940994 Gmdrm	hypo	CHH	-0.0147
Gm18	7943394	7944394 Gmdrm	hypo	CHH	-0.0635
Gm18	7944408	7944480 Gmdrm	hypo	CHH	-0.0761
Gm18	7944777	7945772 Gmdrm	hypo	CHH	-0.0299
Gm18	7945778	7946778 Gmdrm	hypo	CHH	-0.0229
Gm18	7946787	7947764 Gmdrm	hypo	CHH	-0.0184
Gm18	7949875	7950864 Gmdrm	hypo	CHH	-0.2012
Gm18	7951001	7951999 Gmdrm	hypo	CHH	-0.1079
Gm18	7955884	7956835 Gmdrm	hypo	CHH	-0.0369
Gm18	7957461	7957482 Gmdrm	hypo	CHH	-0.066
Gm18	7970842	7971080 Gmdrm	hypo	CHH	-0.0449
Gm18	7973268	7974258 Gmdrm	hypo	CHH	-0.024
Gm18	7975310	7976303 Gmdrm	hypo	CHH	-0.0104
Gm18	7976340	7977339 Gmdrm	hypo	CHH	-0.0327
Gm18	7977385	7978378 Gmdrm	hypo	CHH	-0.0154
Gm18	7997185	7998182 Gmdrm	hypo	CHH	-0.0138
Gm18	7998210	7998697 Gmdrm	hypo	CHH	-0.0241
Gm18	8006779	8007768 Gmdrm	hypo	CHH	-0.0298
Gm18	8019869	8020866 Gmdrm	hypo	CHH	-0.0315
Gm18	8020916	8021907 Gmdrm	hypo	CHH	-0.0213
Gm18	8023926	8024923 Gmdrm	hypo	CHH	-0.0802
Gm18	8024948	8025921 Gmdrm	hypo	CHH	-0.0277
Gm18	8028874	8029502 Gmdrm	hypo	CHH	-0.1026
Gm18	8031592	8032581 Gmdrm	hypo	CHH	-0.0354
Gm18	8034806	8035801 Gmdrm	hypo	CHH	-0.0405
Gm18	8042841	8043836 Gmdrm	hypo	CHH	-0.0292
Gm18	8065075	8065997 Gmdrm	hypo	CHH	-0.0143
Gm18	8115976	8116971 Gmdrm	hypo	CHH	-0.0256
Gm18	8141749	8142003 Gmdrm	hypo	CHH	-0.05
Gm18	8142160	8142456 Gmdrm	hypo	CHH	-0.0884
Gm18	8142685	8143646 Gmdrm	hypo	CHH	-0.0202
Gm18	8145483	8146464 Gmdrm	hypo	CHH	-0.0341
Gm18	8146485	8147024 Gmdrm	hypo	CHH	-0.0249
Gm18	8184405	8184434 Gmdrm	hypo	CHH	-0.1543
Gm18	8196219	8196957 Gmdrm	hypo	CHH	-0.0304

Gm18	8197172	8197548 Gmdrm	hypo	CHH	-0.05
Gm18	8198431	8198632 Gmdrm	hypo	CHH	-0.025
Gm18	8205183	8205550 Gmdrm	hypo	CHH	-0.0463
Gm18	8205682	8205877 Gmdrm	hypo	CHH	-0.0857
Gm18	8207111	8207756 Gmdrm	hypo	CHH	-0.047
Gm18	8211461	8212451 Gmdrm	hypo	CHH	-0.0341
Gm18	8248646	8249641 Gmdrm	hypo	CHH	-0.0268
Gm18	8249648	8250648 Gmdrm	hypo	CHH	-0.0134
Gm18	8269541	8270541 Gmdrm	hypo	CHH	-0.0874
Gm18	8294401	8294569 Gmdrm	hypo	CHH	-0.0195
Gm18	8294675	8295658 Gmdrm	hypo	CHH	-0.0172
Gm18	8295679	8295914 Gmdrm	hypo	CHH	-0.0275
Gm18	8303021	8304008 Gmdrm	hypo	CHH	-0.0229
Gm18	8305460	8306435 Gmdrm	hypo	CHH	-0.1705
Gm18	8306472	8306639 Gmdrm	hypo	CHH	-0.0383
Gm18	8306777	8307764 Gmdrm	hypo	CHH	-0.0344
Gm18	8318917	8319907 Gmdrm	hypo	CHH	-0.2033
Gm18	8321344	8322068 Gmdrm	hypo	CHH	-0.0636
Gm18	8322823	8323815 Gmdrm	hypo	CHH	-0.1283
Gm18	8323824	8324818 Gmdrm	hypo	CHH	-0.1092
Gm18	8349083	8350076 Gmdrm	hypo	CHH	-0.0365
Gm18	8352585	8353579 Gmdrm	hypo	CHH	-0.0808
Gm18	8354195	8355186 Gmdrm	hypo	CHH	-0.0694
Gm18	8356252	8356901 Gmdrm	hypo	CHH	-0.0559
Gm18	8358289	8359277 Gmdrm	hypo	CHH	-0.0525
Gm18	8359290	8360287 Gmdrm	hypo	CHH	-0.0347
Gm18	8365815	8366815 Gmdrm	hypo	CHH	-0.0174
Gm18	8366818	8367794 Gmdrm	hypo	CHH	-0.217
Gm18	8374164	8375162 Gmdrm	hypo	CHH	-0.0242
Gm18	8409033	8410032 Gmdrm	hypo	CHH	-0.0223
Gm18	8415097	8415589 Gmdrm	hypo	CHH	-0.0982
Gm18	8416172	8417172 Gmdrm	hypo	CHH	-0.0618
Gm18	8418283	8419267 Gmdrm	hypo	CHH	-0.0161
Gm18	8422904	8423903 Gmdrm	hypo	CHH	-0.1239
Gm18	8427933	8428904 Gmdrm	hypo	CHH	-0.0219
Gm18	8433043	8434043 Gmdrm	hypo	CHH	-0.0874
Gm18	8434058	8435046 Gmdrm	hypo	CHH	-0.0174
Gm18	8435535	8435696 Gmdrm	hypo	CHH	-0.1425
Gm18	8437417	8438415 Gmdrm	hypo	CHH	-0.1512
Gm18	8449607	8450396 Gmdrm	hypo	CHH	-0.0682
Gm18	8451583	8452579 Gmdrm	hypo	CHH	-0.1914
Gm18	8457626	8458580 Gmdrm	hypo	CHH	-0.1847
Gm18	8458856	8458975 Gmdrm	hypo	CHH	-0.08
Gm18	8473018	8473900 Gmdrm	hypo	CHH	-0.0525
Gm18	8475814	8476813 Gmdrm	hypo	CHH	-0.0584
Gm18	8477846	8478741 Gmdrm	hypo	CHH	-0.0218

Gm18	8483523	8484488	Gmdrm	hypo	CHH	-0.0323
Gm18	8488871	8489870	Gmdrm	hypo	CHH	-0.0686
Gm18	8492474	8493471	Gmdrm	hypo	CHH	-0.0612
Gm18	8511172	8512172	Gmdrm	hypo	CHH	-0.1337
Gm18	8512174	8512262	Gmdrm	hypo	CHH	-0.2945
Gm18	8521594	8522552	Gmdrm	hypo	CHH	-0.0537
Gm18	8522595	8523584	Gmdrm	hypo	CHH	-0.0382
Gm18	8542650	8543650	Gmdrm	hypo	CHH	-0.056
Gm18	8543974	8544954	Gmdrm	hypo	CHH	-0.0246
Gm18	8547147	8548133	Gmdrm	hypo	CHH	-0.0725
Gm18	8567711	8567769	Gmdrm	hypo	CHH	-0.0871
Gm18	8577939	8578936	Gmdrm	hypo	CHH	-0.1672
Gm18	8578952	8579946	Gmdrm	hypo	CHH	-0.0331
Gm18	8581529	8582492	Gmdrm	hypo	CHH	-0.0262
Gm18	8593848	8594843	Gmdrm	hypo	CHH	-0.0386
Gm18	8596196	8596452	Gmdrm	hypo	CHH	-0.0433
Gm18	8608320	8609308	Gmdrm	hypo	CHH	-0.0215
Gm18	8609321	8610321	Gmdrm	hypo	CHH	-0.0261
Gm18	8611347	8612336	Gmdrm	hypo	CHH	-0.0665
Gm18	8624090	8624250	Gmdrm	hypo	CHH	-0.08
Gm18	8633534	8634530	Gmdrm	hypo	CHH	-0.0335
Gm18	8635568	8636568	Gmdrm	hypo	CHH	-0.0127
Gm18	8636575	8637575	Gmdrm	hypo	CHH	-0.0383
Gm18	8639994	8640990	Gmdrm	hypo	CHH	-0.0136
Gm18	8647255	8648255	Gmdrm	hypo	CHH	-0.0248
Gm18	8655554	8656536	Gmdrm	hypo	CHH	-0.0221
Gm18	8659536	8659968	Gmdrm	hypo	CHH	-0.063
Gm18	8660282	8661264	Gmdrm	hypo	CHH	-0.0203
Gm18	8675539	8676534	Gmdrm	hypo	CHH	-0.0283
Gm18	8692890	8692981	Gmdrm	hypo	CHH	-0.086
Gm18	8705992	8706986	Gmdrm	hypo	CHH	-0.0146
Gm18	8707754	8708753	Gmdrm	hypo	CHH	-0.0352
Gm18	8727980	8728970	Gmdrm	hypo	CHH	-0.0181
Gm18	8730002	8730452	Gmdrm	hypo	CHH	-0.0175
Gm18	8734599	8735584	Gmdrm	hypo	CHH	-0.0384
Gm18	8735609	8736592	Gmdrm	hypo	CHH	-0.1366
Gm18	8736611	8737277	Gmdrm	hypo	CHH	-0.033
Gm18	8737422	8738278	Gmdrm	hypo	CHH	-0.0473
Gm18	8738594	8739565	Gmdrm	hypo	CHH	-0.0343
Gm18	8739598	8740569	Gmdrm	hypo	CHH	-0.0415
Gm18	8747126	8748123	Gmdrm	hypo	CHH	-0.038
Gm18	8758014	8759005	Gmdrm	hypo	CHH	-0.0264
Gm18	8768390	8769024	Gmdrm	hypo	CHH	-0.0402
Gm18	8769187	8770160	Gmdrm	hypo	CHH	-0.0424
Gm18	8797530	8797584	Gmdrm	hypo	CHH	-0.3333
Gm18	8800712	8800937	Gmdrm	hypo	CHH	-0.1407

Gm18	8804388	8804799	Gmdrm	hypo	CHH	-0.0991
Gm18	8814795	8815393	Gmdrm	hypo	CHH	-0.031
Gm18	8815986	8816403	Gmdrm	hypo	CHH	-0.0487
Gm18	8824561	8825245	Gmdrm	hypo	CHH	-0.0535
Gm18	8825350	8826350	Gmdrm	hypo	CHH	-0.2007
Gm18	8826360	8826557	Gmdrm	hypo	CHH	-0.1079
Gm18	8826774	8827764	Gmdrm	hypo	CHH	-0.0532
Gm18	8827780	8828778	Gmdrm	hypo	CHH	-0.0712
Gm18	8828787	8829783	Gmdrm	hypo	CHH	-0.0545
Gm18	8834885	8835882	Gmdrm	hypo	CHH	-0.2182
Gm18	8835891	8836888	Gmdrm	hypo	CHH	-0.0431
Gm18	8841923	8842917	Gmdrm	hypo	CHH	-0.054
Gm18	8848350	8849311	Gmdrm	hypo	CHH	-0.0148
Gm18	8849359	8849525	Gmdrm	hypo	CHH	-0.0788
Gm18	8854287	8855283	Gmdrm	hypo	CHH	-0.0539
Gm18	8858316	8859309	Gmdrm	hypo	CHH	-0.0611
Gm18	8870804	8871754	Gmdrm	hypo	CHH	-0.1077
Gm18	8874310	8875304	Gmdrm	hypo	CHH	-0.0272
Gm18	8890075	8890279	Gmdrm	hypo	CHH	-0.0415
Gm18	8890383	8891374	Gmdrm	hypo	CHH	-0.1054
Gm18	8891393	8892388	Gmdrm	hypo	CHH	-0.0471
Gm18	8892394	8892741	Gmdrm	hypo	CHH	-0.0237
Gm18	8893016	8893996	Gmdrm	hypo	CHH	-0.0179
Gm18	8901782	8902780	Gmdrm	hypo	CHH	-0.0838
Gm18	8902784	8903591	Gmdrm	hypo	CHH	-0.1492
Gm18	8906581	8906957	Gmdrm	hypo	CHH	-0.0804
Gm18	8911442	8912439	Gmdrm	hypo	CHH	-0.0254
Gm18	8913462	8914462	Gmdrm	hypo	CHH	-0.0155
Gm18	8916120	8917120	Gmdrm	hypo	CHH	-0.0504
Gm18	8931745	8932735	Gmdrm	hypo	CHH	-0.0557
Gm18	8938707	8939702	Gmdrm	hypo	CHH	-0.0217
Gm18	8940729	8941727	Gmdrm	hypo	CHH	-0.0413
Gm18	8941732	8942730	Gmdrm	hypo	CHH	-0.0278
Gm18	8965752	8966729	Gmdrm	hypo	CHH	-0.0424
Gm18	8977716	8978667	Gmdrm	hypo	CHH	-0.0239
Gm18	8986549	8987549	Gmdrm	hypo	CHH	-0.1202
Gm18	8989543	8990540	Gmdrm	hypo	CHH	-0.0754
Gm18	8990553	8991545	Gmdrm	hypo	CHH	-0.0635
Gm18	8997904	8998901	Gmdrm	hypo	CHH	-0.0172
Gm18	9004013	9005010	Gmdrm	hypo	CHH	-0.0148
Gm18	9005019	9006017	Gmdrm	hypo	CHH	-0.0987
Gm18	9006038	9007010	Gmdrm	hypo	CHH	-0.118
Gm18	9010086	9011063	Gmdrm	hypo	CHH	-0.0133
Gm18	9014976	9015912	Gmdrm	hypo	CHH	-0.0156
Gm18	9034832	9035807	Gmdrm	hypo	CHH	-0.0286
Gm18	9040041	9041039	Gmdrm	hypo	CHH	-0.0687

Gm18	9042057	9042500 Gmdrm	hypo	CHH	-0.0565
Gm18	9042642	9043612 Gmdrm	hypo	CHH	-0.0229
Gm18	9043664	9044647 Gmdrm	hypo	CHH	-0.0584
Gm18	9062833	9063830 Gmdrm	hypo	CHH	-0.087
Gm18	9063872	9064865 Gmdrm	hypo	CHH	-0.1318
Gm18	9068669	9068956 Gmdrm	hypo	CHH	-0.0846
Gm18	9069506	9070490 Gmdrm	hypo	CHH	-0.0208
Gm18	9093173	9094172 Gmdrm	hypo	CHH	-0.1565
Gm18	9120366	9121366 Gmdrm	hypo	CHH	-0.0639
Gm18	9121370	9122370 Gmdrm	hypo	CHH	-0.0143
Gm18	9137228	9137974 Gmdrm	hypo	CHH	-0.0214
Gm18	9139077	9140076 Gmdrm	hypo	CHH	-0.1097
Gm18	9140078	9141070 Gmdrm	hypo	CHH	-0.0646
Gm18	9142093	9143093 Gmdrm	hypo	CHH	-0.0431
Gm18	9143095	9144023 Gmdrm	hypo	CHH	-0.0661
Gm18	9144299	9145257 Gmdrm	hypo	CHH	-0.0247
Gm18	9166526	9166974 Gmdrm	hypo	CHH	-0.0685
Gm18	9168434	9169434 Gmdrm	hypo	CHH	-0.1756
Gm18	9169435	9170414 Gmdrm	hypo	CHH	-0.1691
Gm18	9185385	9186380 Gmdrm	hypo	CHH	-0.073
Gm18	9191051	9191096 Gmdrm	hypo	CHH	-0.0429
Gm18	9194640	9195639 Gmdrm	hypo	CHH	-0.1682
Gm18	9199656	9200643 Gmdrm	hypo	CHH	-0.1229
Gm18	9203804	9203896 Gmdrm	hypo	CHH	-0.0486
Gm18	9205518	9206479 Gmdrm	hypo	CHH	-0.0229
Gm18	9218426	9219426 Gmdrm	hypo	CHH	-0.0772
Gm18	9219434	9220424 Gmdrm	hypo	CHH	-0.0432
Gm18	9220440	9221410 Gmdrm	hypo	CHH	-0.016
Gm18	9223375	9224357 Gmdrm	hypo	CHH	-0.029
Gm18	9228179	9229159 Gmdrm	hypo	CHH	-0.0553
Gm18	9246619	9247318 Gmdrm	hypo	CHH	-0.012
Gm18	9248453	9249441 Gmdrm	hypo	CHH	-0.0143
Gm18	9249484	9249537 Gmdrm	hypo	CHH	-0.044
Gm18	9253249	9254242 Gmdrm	hypo	CHH	-0.0293
Gm18	9267472	9268456 Gmdrm	hypo	CHH	-0.0345
Gm18	9269152	9269934 Gmdrm	hypo	CHH	-0.0797
Gm18	9270038	9271025 Gmdrm	hypo	CHH	-0.1055
Gm18	9279400	9280353 Gmdrm	hypo	CHH	-0.0911
Gm18	9280435	9281432 Gmdrm	hypo	CHH	-0.1832
Gm18	9281441	9282409 Gmdrm	hypo	CHH	-0.1601
Gm18	9288839	9289836 Gmdrm	hypo	CHH	-0.0177
Gm18	9316539	9317536 Gmdrm	hypo	CHH	-0.0113
Gm18	9317543	9318537 Gmdrm	hypo	CHH	-0.0238
Gm18	9318562	9319555 Gmdrm	hypo	CHH	-0.0977
Gm18	9319563	9320561 Gmdrm	hypo	CHH	-0.0213
Gm18	9320565	9321216 Gmdrm	hypo	CHH	-0.015

Gm18	9333413	9334413 Gmdrm	hypo	CHH	-0.0231
Gm18	9336155	9337121 Gmdrm	hypo	CHH	-0.2522
Gm18	9341721	9342711 Gmdrm	hypo	CHH	-0.0535
Gm18	9343733	9344729 Gmdrm	hypo	CHH	-0.0238
Gm18	9365731	9366729 Gmdrm	hypo	CHH	-0.0337
Gm18	9370253	9371248 Gmdrm	hypo	CHH	-0.0384
Gm18	9421671	9422670 Gmdrm	hypo	CHH	-0.0523
Gm18	9422675	9423657 Gmdrm	hypo	CHH	-0.0243
Gm18	9424257	9424665 Gmdrm	hypo	CHH	-0.0436
Gm18	9426108	9427073 Gmdrm	hypo	CHH	-0.023
Gm18	9444370	9445089 Gmdrm	hypo	CHH	-0.0394
Gm18	9450400	9451381 Gmdrm	hypo	CHH	-0.0277
Gm18	9458539	9458970 Gmdrm	hypo	CHH	-0.0273
Gm18	9459196	9460141 Gmdrm	hypo	CHH	-0.0429
Gm18	9463630	9464630 Gmdrm	hypo	CHH	-0.0754
Gm18	9490366	9491362 Gmdrm	hypo	CHH	-0.0278
Gm18	9499051	9499497 Gmdrm	hypo	CHH	-0.0646
Gm18	9499876	9500871 Gmdrm	hypo	CHH	-0.0297
Gm18	9503788	9504777 Gmdrm	hypo	CHH	-0.0058
Gm18	9507566	9508561 Gmdrm	hypo	CHH	-0.0276
Gm18	9508570	9509564 Gmdrm	hypo	CHH	-0.0105
Gm18	9530291	9531280 Gmdrm	hypo	CHH	-0.0058
Gm18	9533034	9534028 Gmdrm	hypo	CHH	-0.0207
Gm18	9534044	9535044 Gmdrm	hypo	CHH	-0.014
Gm18	9535049	9536048 Gmdrm	hypo	CHH	-0.0144
Gm18	9536057	9537047 Gmdrm	hypo	CHH	-0.0147
Gm18	9537082	9538046 Gmdrm	hypo	CHH	-0.0063
Gm18	9541105	9542085 Gmdrm	hypo	CHH	-0.0139
Gm18	9554637	9555633 Gmdrm	hypo	CHH	-0.0365
Gm18	9555648	9556647 Gmdrm	hypo	CHH	-0.1105
Gm18	9561718	9562709 Gmdrm	hypo	CHH	-0.0412
Gm18	9566130	9567127 Gmdrm	hypo	CHH	-0.0271
Gm18	9567144	9568139 Gmdrm	hypo	CHH	-0.0726
Gm18	9568148	9569129 Gmdrm	hypo	CHH	-0.0507
Gm18	9583740	9584715 Gmdrm	hypo	CHH	-0.0106
Gm18	9588304	9589290 Gmdrm	hypo	CHH	-0.0289
Gm18	9593352	9594350 Gmdrm	hypo	CHH	-0.02
Gm18	9606984	9607968 Gmdrm	hypo	CHH	-0.0192
Gm18	9624950	9625937 Gmdrm	hypo	CHH	-0.0233
Gm18	9625955	9626951 Gmdrm	hypo	CHH	-0.0259
Gm18	9626956	9627954 Gmdrm	hypo	CHH	-0.0272
Gm18	9630219	9631200 Gmdrm	hypo	CHH	-0.0193
Gm18	9632238	9633233 Gmdrm	hypo	CHH	-0.0164
Gm18	9635313	9636313 Gmdrm	hypo	CHH	-0.0591
Gm18	9636323	9637320 Gmdrm	hypo	CHH	-0.06
Gm18	9637334	9638310 Gmdrm	hypo	CHH	-0.044

Gm18	9638338	9639327	Gmdrm	hypo	CHH	-0.0549
Gm18	9639342	9640337	Gmdrm	hypo	CHH	-0.0794
Gm18	9640364	9641334	Gmdrm	hypo	CHH	-0.0436
Gm18	9646489	9646790	Gmdrm	hypo	CHH	-0.0331
Gm18	9655342	9656335	Gmdrm	hypo	CHH	-0.0259
Gm18	9656439	9656674	Gmdrm	hypo	CHH	-0.0192
Gm18	9662816	9663814	Gmdrm	hypo	CHH	-0.02
Gm18	9663855	9664530	Gmdrm	hypo	CHH	-0.0214
Gm18	9668585	9669580	Gmdrm	hypo	CHH	-0.0561
Gm18	9671488	9672485	Gmdrm	hypo	CHH	-0.0191
Gm18	9672503	9672829	Gmdrm	hypo	CHH	-0.0277
Gm18	9680772	9681764	Gmdrm	hypo	CHH	-0.041
Gm18	9687822	9688795	Gmdrm	hypo	CHH	-0.0358
Gm18	9695810	9696775	Gmdrm	hypo	CHH	-0.131
Gm18	9704275	9705266	Gmdrm	hypo	CHH	-0.0612
Gm18	9706715	9707711	Gmdrm	hypo	CHH	-0.0432
Gm18	9735271	9736203	Gmdrm	hypo	CHH	-0.0175
Gm18	9737986	9738985	Gmdrm	hypo	CHH	-0.0433
Gm18	9738988	9739984	Gmdrm	hypo	CHH	-0.0354
Gm18	9739991	9740985	Gmdrm	hypo	CHH	-0.0326
Gm18	9740997	9741996	Gmdrm	hypo	CHH	-0.0927
Gm18	9741999	9742975	Gmdrm	hypo	CHH	-0.0878
Gm18	9746325	9747323	Gmdrm	hypo	CHH	-0.0213
Gm18	9753219	9754203	Gmdrm	hypo	CHH	-0.1268
Gm18	9765644	9766615	Gmdrm	hypo	CHH	-0.0174
Gm18	9766709	9767708	Gmdrm	hypo	CHH	-0.0586
Gm18	9780912	9781907	Gmdrm	hypo	CHH	-0.0461
Gm18	9781915	9782915	Gmdrm	hypo	CHH	-0.0738
Gm18	9782931	9783908	Gmdrm	hypo	CHH	-0.0529
Gm18	9783936	9784920	Gmdrm	hypo	CHH	-0.0161
Gm18	9795216	9796204	Gmdrm	hypo	CHH	-0.0301
Gm18	9797991	9798984	Gmdrm	hypo	CHH	-0.011
Gm18	9803142	9803409	Gmdrm	hypo	CHH	-0.0616
Gm18	9803519	9804519	Gmdrm	hypo	CHH	-0.033
Gm18	9811136	9811714	Gmdrm	hypo	CHH	-0.057
Gm18	9815132	9815309	Gmdrm	hypo	CHH	-0.08
Gm18	9821762	9822761	Gmdrm	hypo	CHH	-0.1234
Gm18	9842666	9843665	Gmdrm	hypo	CHH	-0.0431
Gm18	9845538	9846477	Gmdrm	hypo	CHH	-0.0416
Gm18	9848627	9849611	Gmdrm	hypo	CHH	-0.0211
Gm18	9850639	9851610	Gmdrm	hypo	CHH	-0.0127
Gm18	9851647	9852646	Gmdrm	hypo	CHH	-0.0161
Gm18	9852653	9853650	Gmdrm	hypo	CHH	-0.0421
Gm18	9880115	9881108	Gmdrm	hypo	CHH	-0.0305
Gm18	9906170	9907151	Gmdrm	hypo	CHH	-0.1224
Gm18	9913287	9913968	Gmdrm	hypo	CHH	-0.0183

Gm18	9921536	9922505 Gmdrm	hypo	CHH	-0.0175
Gm18	9923563	9924556 Gmdrm	hypo	CHH	-0.0808
Gm18	9924568	9925376 Gmdrm	hypo	CHH	-0.0617
Gm18	9930402	9931400 Gmdrm	hypo	CHH	-0.0388
Gm18	9937333	9938241 Gmdrm	hypo	CHH	-0.0535
Gm18	9948405	9949400 Gmdrm	hypo	CHH	-0.0527
Gm18	9952855	9953855 Gmdrm	hypo	CHH	-0.0727
Gm18	9953857	9954748 Gmdrm	hypo	CHH	-0.0291
Gm18	9972951	9973909 Gmdrm	hypo	CHH	-0.1136
Gm18	9976410	9977402 Gmdrm	hypo	CHH	-0.0114
Gm18	9978764	9979759 Gmdrm	hypo	CHH	-0.0213
Gm18	9979770	9980721 Gmdrm	hypo	CHH	-0.0229
Gm18	9990942	9991935 Gmdrm	hypo	CHH	-0.066
Gm18	9991943	9992936 Gmdrm	hypo	CHH	-0.0738
Gm18	9994983	9995979 Gmdrm	hypo	CHH	-0.0392
Gm18	9996033	9996994 Gmdrm	hypo	CHH	-0.1068
Gm18	9997041	9998032 Gmdrm	hypo	CHH	-0.0245
Gm18	10076288	10077286 Gmdrm	hypo	CHH	-0.0344
Gm18	10077296	10078296 Gmdrm	hypo	CHH	-0.0418
Gm18	10117547	10118540 Gmdrm	hypo	CHH	-0.0352
Gm18	10167790	10168783 Gmdrm	hypo	CHH	-0.078
Gm18	10168804	10169793 Gmdrm	hypo	CHH	-0.0294
Gm18	10181015	10182014 Gmdrm	hypo	CHH	-0.1189
Gm18	10182019	10183019 Gmdrm	hypo	CHH	-0.0777
Gm18	10191672	10192665 Gmdrm	hypo	CHH	-0.0901
Gm18	10192690	10193689 Gmdrm	hypo	CHH	-0.1762
Gm18	10193694	10194690 Gmdrm	hypo	CHH	-0.0604
Gm18	10202531	10203519 Gmdrm	hypo	CHH	-0.031
Gm18	10205587	10206571 Gmdrm	hypo	CHH	-0.0446
Gm18	10210533	10211531 Gmdrm	hypo	CHH	-0.0202
Gm18	10219121	10220121 Gmdrm	hypo	CHH	-0.0388
Gm18	10220131	10221117 Gmdrm	hypo	CHH	-0.0803
Gm18	10221142	10221978 Gmdrm	hypo	CHH	-0.0401
Gm18	10273618	10274589 Gmdrm	hypo	CHH	-0.058
Gm18	10281027	10282025 Gmdrm	hypo	CHH	-0.1273
Gm18	10282028	10283026 Gmdrm	hypo	CHH	-0.0706
Gm18	10283033	10284016 Gmdrm	hypo	CHH	-0.0303
Gm18	10370264	10371250 Gmdrm	hypo	CHH	-0.1143
Gm18	10371271	10372265 Gmdrm	hypo	CHH	-0.0479
Gm18	10372277	10373275 Gmdrm	hypo	CHH	-0.1784
Gm18	10373283	10374266 Gmdrm	hypo	CHH	-0.1016
Gm18	10374291	10375276 Gmdrm	hypo	CHH	-0.0134
Gm18	10379828	10380812 Gmdrm	hypo	CHH	-0.0558
Gm18	10414365	10415332 Gmdrm	hypo	CHH	-0.0374
Gm18	10416381	10417378 Gmdrm	hypo	CHH	-0.0174
Gm18	10436416	10436748 Gmdrm	hypo	CHH	-0.0539

Gm18	10451289	10451455	Gmdrm	hypo	CHH	-0.046
Gm18	10551046	10552043	Gmdrm	hypo	CHH	-0.0615
Gm18	10552055	10553055	Gmdrm	hypo	CHH	-0.0609
Gm18	10575671	10576662	Gmdrm	hypo	CHH	-0.0255
Gm18	10600254	10601231	Gmdrm	hypo	CHH	-0.0274
Gm18	10601657	10602630	Gmdrm	hypo	CHH	-0.1619
Gm18	10603740	10604736	Gmdrm	hypo	CHH	-0.0257
Gm18	10607600	10608405	Gmdrm	hypo	CHH	-0.0196
Gm18	10631931	10632931	Gmdrm	hypo	CHH	-0.0337
Gm18	10685289	10685332	Gmdrm	hypo	CHH	-0.0533
Gm18	10709208	10710208	Gmdrm	hypo	CHH	-0.0718
Gm18	10710211	10711207	Gmdrm	hypo	CHH	-0.037
Gm18	10711728	10711951	Gmdrm	hypo	CHH	-0.0629
Gm18	10723055	10723984	Gmdrm	hypo	CHH	-0.0211
Gm18	10725157	10726131	Gmdrm	hypo	CHH	-0.0375
Gm18	10728697	10729052	Gmdrm	hypo	CHH	-0.0741
Gm18	10729188	10730141	Gmdrm	hypo	CHH	-0.0815
Gm18	10730198	10731196	Gmdrm	hypo	CHH	-0.2069
Gm18	10731210	10732200	Gmdrm	hypo	CHH	-0.0208
Gm18	10738008	10738994	Gmdrm	hypo	CHH	-0.1968
Gm18	10739025	10740020	Gmdrm	hypo	CHH	-0.0291
Gm18	10744082	10744550	Gmdrm	hypo	CHH	-0.16
Gm18	10777915	10778905	Gmdrm	hypo	CHH	-0.0224
Gm18	10815544	10816033	Gmdrm	hypo	CHH	-0.1051
Gm18	10820257	10821248	Gmdrm	hypo	CHH	-0.1784
Gm18	10854074	10855070	Gmdrm	hypo	CHH	-0.0474
Gm18	10855082	10855844	Gmdrm	hypo	CHH	-0.11
Gm18	10856849	10857452	Gmdrm	hypo	CHH	-0.0156
Gm18	10862766	10863679	Gmdrm	hypo	CHH	-0.3182
Gm18	10863768	10864740	Gmdrm	hypo	CHH	-0.0463
Gm18	10872607	10873603	Gmdrm	hypo	CHH	-0.0167
Gm18	10873609	10874570	Gmdrm	hypo	CHH	-0.012
Gm18	10882754	10883754	Gmdrm	hypo	CHH	-0.0269
Gm18	10883762	10884760	Gmdrm	hypo	CHH	-0.0484
Gm18	10903714	10904691	Gmdrm	hypo	CHH	-0.0791
Gm18	10905736	10906736	Gmdrm	hypo	CHH	-0.0564
Gm18	10907109	10908106	Gmdrm	hypo	CHH	-0.0302
Gm18	10910117	10911084	Gmdrm	hypo	CHH	-0.0383
Gm18	10937301	10938219	Gmdrm	hypo	CHH	-0.0384
Gm18	10957983	10958978	Gmdrm	hypo	CHH	-0.0334
Gm18	11051958	11052949	Gmdrm	hypo	CHH	-0.0189
Gm18	11052973	11053967	Gmdrm	hypo	CHH	-0.0801
Gm18	11055737	11056211	Gmdrm	hypo	CHH	-0.0397
Gm18	11056330	11057326	Gmdrm	hypo	CHH	-0.0447
Gm18	11063321	11064310	Gmdrm	hypo	CHH	-0.0421
Gm18	11065392	11066366	Gmdrm	hypo	CHH	-0.039

Gm18	11066406	11067376	Gmdrm	hypo	CHH	-0.0199
Gm18	11167668	11168360	Gmdrm	hypo	CHH	-0.064
Gm18	11168798	11169680	Gmdrm	hypo	CHH	-0.0668
Gm18	11170725	11171723	Gmdrm	hypo	CHH	-0.0999
Gm18	11194242	11195235	Gmdrm	hypo	CHH	-0.1281
Gm18	11195244	11196244	Gmdrm	hypo	CHH	-0.0368
Gm18	11196245	11197240	Gmdrm	hypo	CHH	-0.1643
Gm18	11197253	11198238	Gmdrm	hypo	CHH	-0.2545
Gm18	11201349	11202314	Gmdrm	hypo	CHH	-0.0342
Gm18	11203369	11204368	Gmdrm	hypo	CHH	-0.115
Gm18	11204376	11205176	Gmdrm	hypo	CHH	-0.0878
Gm18	11207667	11208665	Gmdrm	hypo	CHH	-0.0617
Gm18	11216697	11217692	Gmdrm	hypo	CHH	-0.021
Gm18	11255759	11256746	Gmdrm	hypo	CHH	-0.0924
Gm18	11279440	11280415	Gmdrm	hypo	CHH	-0.0737
Gm18	11281445	11282444	Gmdrm	hypo	CHH	-0.0632
Gm18	11290121	11291106	Gmdrm	hypo	CHH	-0.0147
Gm18	11326281	11327254	Gmdrm	hypo	CHH	-0.1123
Gm18	11339613	11340250	Gmdrm	hypo	CHH	-0.0406
Gm18	11344405	11345390	Gmdrm	hypo	CHH	-0.021
Gm18	11356285	11357282	Gmdrm	hypo	CHH	-0.0785
Gm18	11357288	11358286	Gmdrm	hypo	CHH	-0.0552
Gm18	11408027	11409024	Gmdrm	hypo	CHH	-0.0411
Gm18	11410064	11410156	Gmdrm	hypo	CHH	-0.0517
Gm18	11410261	11411261	Gmdrm	hypo	CHH	-0.0428
Gm18	11412266	11413258	Gmdrm	hypo	CHH	-0.028
Gm18	11415309	11416308	Gmdrm	hypo	CHH	-0.1074
Gm18	11416311	11417310	Gmdrm	hypo	CHH	-0.1194
Gm18	11431460	11432124	Gmdrm	hypo	CHH	-0.1014
Gm18	11432281	11433197	Gmdrm	hypo	CHH	-0.0401
Gm18	11458559	11458962	Gmdrm	hypo	CHH	-0.0481
Gm18	11459837	11460833	Gmdrm	hypo	CHH	-0.058
Gm18	11460844	11461111	Gmdrm	hypo	CHH	-0.0182
Gm18	11467300	11467695	Gmdrm	hypo	CHH	-0.0509
Gm18	11513094	11514088	Gmdrm	hypo	CHH	-0.0453
Gm18	11514107	11515099	Gmdrm	hypo	CHH	-0.1847
Gm18	11516845	11517844	Gmdrm	hypo	CHH	-0.0211
Gm18	11538776	11539592	Gmdrm	hypo	CHH	-0.0365
Gm18	11572909	11573418	Gmdrm	hypo	CHH	-0.0332
Gm18	11575748	11576575	Gmdrm	hypo	CHH	-0.0103
Gm18	11580113	11581105	Gmdrm	hypo	CHH	-0.0216
Gm18	11581114	11582094	Gmdrm	hypo	CHH	-0.0265
Gm18	11596163	11597158	Gmdrm	hypo	CHH	-0.0812
Gm18	11613689	11614677	Gmdrm	hypo	CHH	-0.0518
Gm18	11624543	11625543	Gmdrm	hypo	CHH	-0.0669
Gm18	11634852	11635851	Gmdrm	hypo	CHH	-0.0221

Gm18	11638048	11639044	Gmdrm	hypo	CHH	-0.0927
Gm18	11639054	11640047	Gmdrm	hypo	CHH	-0.1107
Gm18	11643089	11644080	Gmdrm	hypo	CHH	-0.0213
Gm18	11650798	11651779	Gmdrm	hypo	CHH	-0.02
Gm18	11652863	11653849	Gmdrm	hypo	CHH	-0.0192
Gm18	11668751	11669714	Gmdrm	hypo	CHH	-0.0321
Gm18	11697592	11698586	Gmdrm	hypo	CHH	-0.0292
Gm18	11699497	11700495	Gmdrm	hypo	CHH	-0.0126
Gm18	11702973	11703959	Gmdrm	hypo	CHH	-0.0187
Gm18	11747371	11748355	Gmdrm	hypo	CHH	-0.034
Gm18	11767986	11768977	Gmdrm	hypo	CHH	-0.0113
Gm18	11771561	11772555	Gmdrm	hypo	CHH	-0.0265
Gm18	11801645	11802634	Gmdrm	hypo	CHH	-0.0511
Gm18	11812255	11813232	Gmdrm	hypo	CHH	-0.0179
Gm18	11832008	11832976	Gmdrm	hypo	CHH	-0.0271
Gm18	11834953	11835797	Gmdrm	hypo	CHH	-0.0545
Gm18	11842288	11843095	Gmdrm	hypo	CHH	-0.0579
Gm18	11847940	11848935	Gmdrm	hypo	CHH	-0.0853
Gm18	11851967	11852955	Gmdrm	hypo	CHH	-0.0774
Gm18	11882283	11883217	Gmdrm	hypo	CHH	-0.0194
Gm18	11883292	11884277	Gmdrm	hypo	CHH	-0.1052
Gm18	11898084	11899069	Gmdrm	hypo	CHH	-0.0539
Gm18	11910468	11911462	Gmdrm	hypo	CHH	-0.1154
Gm18	11913530	11914525	Gmdrm	hypo	CHH	-0.0127
Gm18	11918242	11919209	Gmdrm	hypo	CHH	-0.2494
Gm18	11928762	11929760	Gmdrm	hypo	CHH	-0.0167
Gm18	11929772	11930762	Gmdrm	hypo	CHH	-0.0156
Gm18	11945601	11946546	Gmdrm	hypo	CHH	-0.0435
Gm18	11951747	11952700	Gmdrm	hypo	CHH	-0.0167
Gm18	11956062	11957039	Gmdrm	hypo	CHH	-0.018
Gm18	11957083	11958081	Gmdrm	hypo	CHH	-0.0154
Gm18	11960997	11961335	Gmdrm	hypo	CHH	-0.1108
Gm18	11964496	11965493	Gmdrm	hypo	CHH	-0.0803
Gm18	11965506	11966299	Gmdrm	hypo	CHH	-0.0695
Gm18	11970737	11971722	Gmdrm	hypo	CHH	-0.0413
Gm18	11971771	11972770	Gmdrm	hypo	CHH	-0.0173
Gm18	11980326	11981326	Gmdrm	hypo	CHH	-0.0379
Gm18	11989250	11990247	Gmdrm	hypo	CHH	-0.1465
Gm18	11992258	11993256	Gmdrm	hypo	CHH	-0.0482
Gm18	12000313	12001308	Gmdrm	hypo	CHH	-0.0483
Gm18	12002383	12003381	Gmdrm	hypo	CHH	-0.0294
Gm18	12003385	12004373	Gmdrm	hypo	CHH	-0.0162
Gm18	12004419	12005419	Gmdrm	hypo	CHH	-0.062
Gm18	12005425	12006403	Gmdrm	hypo	CHH	-0.0323
Gm18	12017754	12018575	Gmdrm	hypo	CHH	-0.0667
Gm18	12023180	12024180	Gmdrm	hypo	CHH	-0.0498

Gm18	12024188	12025171	Gmdrm	hypo	CHH	-0.0529
Gm18	12038754	12039711	Gmdrm	hypo	CHH	-0.0196
Gm18	12041802	12042799	Gmdrm	hypo	CHH	-0.0454
Gm18	12042803	12043783	Gmdrm	hypo	CHH	-0.0398
Gm18	12043816	12044573	Gmdrm	hypo	CHH	-0.1298
Gm18	12047135	12048034	Gmdrm	hypo	CHH	-0.0542
Gm18	12049148	12050144	Gmdrm	hypo	CHH	-0.0234
Gm18	12088276	12089270	Gmdrm	hypo	CHH	-0.092
Gm18	12089674	12090399	Gmdrm	hypo	CHH	-0.2157
Gm18	12103324	12104306	Gmdrm	hypo	CHH	-0.0724
Gm18	12104329	12105327	Gmdrm	hypo	CHH	-0.0974
Gm18	12105342	12106341	Gmdrm	hypo	CHH	-0.0218
Gm18	12107347	12108345	Gmdrm	hypo	CHH	-0.039
Gm18	12109358	12109782	Gmdrm	hypo	CHH	-0.0473
Gm18	12133097	12133671	Gmdrm	hypo	CHH	-0.1297
Gm18	12140121	12140539	Gmdrm	hypo	CHH	-0.0572
Gm18	12147293	12148282	Gmdrm	hypo	CHH	-0.0515
Gm18	12148319	12149313	Gmdrm	hypo	CHH	-0.0462
Gm18	12154100	12155067	Gmdrm	hypo	CHH	-0.0422
Gm18	12163346	12164340	Gmdrm	hypo	CHH	-0.0234
Gm18	12172079	12172958	Gmdrm	hypo	CHH	-0.0436
Gm18	12242629	12243598	Gmdrm	hypo	CHH	-0.059
Gm18	12249034	12250009	Gmdrm	hypo	CHH	-0.0558
Gm18	12250038	12251027	Gmdrm	hypo	CHH	-0.0357
Gm18	12251056	12252052	Gmdrm	hypo	CHH	-0.0245
Gm18	12281414	12282396	Gmdrm	hypo	CHH	-0.0359
Gm18	12282423	12283422	Gmdrm	hypo	CHH	-0.059
Gm18	12283424	12284424	Gmdrm	hypo	CHH	-0.0864
Gm18	12293944	12294295	Gmdrm	hypo	CHH	-0.0387
Gm18	12295004	12295970	Gmdrm	hypo	CHH	-0.0181
Gm18	12310654	12311640	Gmdrm	hypo	CHH	-0.0087
Gm18	12408318	12409306	Gmdrm	hypo	CHH	-0.1909
Gm18	12473020	12473392	Gmdrm	hypo	CHH	-0.0485
Gm18	12495540	12496178	Gmdrm	hypo	CHH	-0.0238
Gm18	12512317	12513298	Gmdrm	hypo	CHH	-0.0339
Gm18	12527515	12528511	Gmdrm	hypo	CHH	-0.0188
Gm18	12531859	12532486	Gmdrm	hypo	CHH	-0.0644
Gm18	12532595	12533332	Gmdrm	hypo	CHH	-0.0276
Gm18	12551283	12552248	Gmdrm	hypo	CHH	-0.0969
Gm18	12559725	12560722	Gmdrm	hypo	CHH	-0.0445
Gm18	12588601	12589598	Gmdrm	hypo	CHH	-0.0997
Gm18	12589951	12590949	Gmdrm	hypo	CHH	-0.1437
Gm18	12613660	12614657	Gmdrm	hypo	CHH	-0.079
Gm18	12624044	12625036	Gmdrm	hypo	CHH	-0.2325
Gm18	12625052	12626050	Gmdrm	hypo	CHH	-0.0147
Gm18	12627964	12628956	Gmdrm	hypo	CHH	-0.0575

Gm18	12628967	12629928	Gmdrm	hypo	CHH	-0.0715
Gm18	12681486	12682482	Gmdrm	hypo	CHH	-0.0658
Gm18	12682487	12683479	Gmdrm	hypo	CHH	-0.0481
Gm18	12709451	12710444	Gmdrm	hypo	CHH	-0.0315
Gm18	12743340	12744323	Gmdrm	hypo	CHH	-0.0469
Gm18	12744348	12745343	Gmdrm	hypo	CHH	-0.0333
Gm18	12745349	12746344	Gmdrm	hypo	CHH	-0.0366
Gm18	12747357	12748357	Gmdrm	hypo	CHH	-0.0531
Gm18	12909397	12910386	Gmdrm	hypo	CHH	-0.1201
Gm18	12910400	12910961	Gmdrm	hypo	CHH	-0.116
Gm18	12911258	12912257	Gmdrm	hypo	CHH	-0.1343
Gm18	12971093	12972067	Gmdrm	hypo	CHH	-0.048
Gm18	12997175	12998173	Gmdrm	hypo	CHH	-0.054
Gm18	13001299	13001683	Gmdrm	hypo	CHH	-0.02
Gm18	13019247	13020200	Gmdrm	hypo	CHH	-0.0134
Gm18	13022778	13023777	Gmdrm	hypo	CHH	-0.0418
Gm18	13035490	13036466	Gmdrm	hypo	CHH	-0.012
Gm18	13039522	13040173	Gmdrm	hypo	CHH	-0.0343
Gm18	13046686	13047685	Gmdrm	hypo	CHH	-0.0236
Gm18	13050758	13051735	Gmdrm	hypo	CHH	-0.084
Gm18	13051766	13052342	Gmdrm	hypo	CHH	-0.0641
Gm18	13054689	13055689	Gmdrm	hypo	CHH	-0.018
Gm18	13056720	13057719	Gmdrm	hypo	CHH	-0.0215
Gm18	13057736	13058710	Gmdrm	hypo	CHH	-0.0502
Gm18	13068267	13068903	Gmdrm	hypo	CHH	-0.0532
Gm18	13069021	13070016	Gmdrm	hypo	CHH	-0.0216
Gm18	13102799	13103796	Gmdrm	hypo	CHH	-0.0357
Gm18	13103801	13104132	Gmdrm	hypo	CHH	-0.0481
Gm18	13109743	13110730	Gmdrm	hypo	CHH	-0.0255
Gm18	13110745	13111286	Gmdrm	hypo	CHH	-0.072
Gm18	13111407	13112404	Gmdrm	hypo	CHH	-0.0701
Gm18	13120310	13121300	Gmdrm	hypo	CHH	-0.0957
Gm18	13133946	13134911	Gmdrm	hypo	CHH	-0.1349
Gm18	13134959	13135922	Gmdrm	hypo	CHH	-0.1445
Gm18	13136920	13137598	Gmdrm	hypo	CHH	-0.0326
Gm18	13152270	13153251	Gmdrm	hypo	CHH	-0.038
Gm18	13163837	13164814	Gmdrm	hypo	CHH	-0.0184
Gm18	13169678	13170115	Gmdrm	hypo	CHH	-0.051
Gm18	13171267	13172181	Gmdrm	hypo	CHH	-0.0469
Gm18	13180349	13181306	Gmdrm	hypo	CHH	-0.0734
Gm18	13182605	13183604	Gmdrm	hypo	CHH	-0.0649
Gm18	13204524	13205277	Gmdrm	hypo	CHH	-0.0438
Gm18	13205867	13206864	Gmdrm	hypo	CHH	-0.1278
Gm18	13211288	13212279	Gmdrm	hypo	CHH	-0.0248
Gm18	13218500	13219499	Gmdrm	hypo	CHH	-0.0625
Gm18	13221416	13222405	Gmdrm	hypo	CHH	-0.044

Gm18	13222420	13223415	Gmdrm	hypo	CHH	-0.0327
Gm18	13223424	13224398	Gmdrm	hypo	CHH	-0.0419
Gm18	13227604	13228602	Gmdrm	hypo	CHH	-0.0219
Gm18	13235382	13236364	Gmdrm	hypo	CHH	-0.1427
Gm18	13240330	13241330	Gmdrm	hypo	CHH	-0.0377
Gm18	13248051	13248875	Gmdrm	hypo	CHH	-0.0235
Gm18	13253662	13254605	Gmdrm	hypo	CHH	-0.1184
Gm18	13254663	13255658	Gmdrm	hypo	CHH	-0.0508
Gm18	13266899	13267893	Gmdrm	hypo	CHH	-0.0999
Gm18	13269545	13270544	Gmdrm	hypo	CHH	-0.0493
Gm18	13315934	13316928	Gmdrm	hypo	CHH	-0.0669
Gm18	13326017	13326849	Gmdrm	hypo	CHH	-0.1467
Gm18	13327030	13327861	Gmdrm	hypo	CHH	-0.033
Gm18	13327962	13328956	Gmdrm	hypo	CHH	-0.1005
Gm18	13352117	13353110	Gmdrm	hypo	CHH	-0.0595
Gm18	13379083	13380078	Gmdrm	hypo	CHH	-0.0922
Gm18	13381122	13382066	Gmdrm	hypo	CHH	-0.3329
Gm18	13454486	13455467	Gmdrm	hypo	CHH	-0.0125
Gm18	13455488	13456483	Gmdrm	hypo	CHH	-0.0617
Gm18	13456490	13457441	Gmdrm	hypo	CHH	-0.0319
Gm18	13457548	13458544	Gmdrm	hypo	CHH	-0.0261
Gm18	13506442	13507435	Gmdrm	hypo	CHH	-0.015
Gm18	13508631	13508996	Gmdrm	hypo	CHH	-0.0378
Gm18	13510219	13510319	Gmdrm	hypo	CHH	-0.066
Gm18	13510491	13511173	Gmdrm	hypo	CHH	-0.0189
Gm18	13515849	13516837	Gmdrm	hypo	CHH	-0.0443
Gm18	13516851	13517848	Gmdrm	hypo	CHH	-0.0206
Gm18	13518678	13519616	Gmdrm	hypo	CHH	-0.1479
Gm18	13519698	13520481	Gmdrm	hypo	CHH	-0.0689
Gm18	13543624	13544604	Gmdrm	hypo	CHH	-0.0392
Gm18	13546122	13547122	Gmdrm	hypo	CHH	-0.0349
Gm18	13547124	13548108	Gmdrm	hypo	CHH	-0.0263
Gm18	13550191	13550403	Gmdrm	hypo	CHH	-0.0375
Gm18	13552795	13553794	Gmdrm	hypo	CHH	-0.0335
Gm18	13553805	13554799	Gmdrm	hypo	CHH	-0.0173
Gm18	13555537	13556534	Gmdrm	hypo	CHH	-0.0181
Gm18	13571139	13571491	Gmdrm	hypo	CHH	-0.0227
Gm18	13571628	13572628	Gmdrm	hypo	CHH	-0.1469
Gm18	13602303	13603298	Gmdrm	hypo	CHH	-0.0167
Gm18	13603304	13604298	Gmdrm	hypo	CHH	-0.0417
Gm18	13612796	13613082	Gmdrm	hypo	CHH	-0.0314
Gm18	13616149	13617110	Gmdrm	hypo	CHH	-0.0569
Gm18	13618411	13618974	Gmdrm	hypo	CHH	-0.0209
Gm18	13620110	13621099	Gmdrm	hypo	CHH	-0.0175
Gm18	13664030	13664987	Gmdrm	hypo	CHH	-0.021
Gm18	13686981	13687453	Gmdrm	hypo	CHH	-0.0562

Gm18	13687760	13688754	Gmdrm	hypo	CHH	-0.043
Gm18	13688764	13689759	Gmdrm	hypo	CHH	-0.0137
Gm18	13689767	13690765	Gmdrm	hypo	CHH	-0.0333
Gm18	13693150	13694115	Gmdrm	hypo	CHH	-0.0169
Gm18	13717498	13718486	Gmdrm	hypo	CHH	-0.0213
Gm18	13722784	13723754	Gmdrm	hypo	CHH	-0.0544
Gm18	13723795	13724795	Gmdrm	hypo	CHH	-0.0418
Gm18	13734661	13735639	Gmdrm	hypo	CHH	-0.0229
Gm18	13808278	13809278	Gmdrm	hypo	CHH	-0.0384
Gm18	13810284	13811284	Gmdrm	hypo	CHH	-0.0219
Gm18	13832857	13833857	Gmdrm	hypo	CHH	-0.1172
Gm18	13833858	13834818	Gmdrm	hypo	CHH	-0.1457
Gm18	13910320	13911320	Gmdrm	hypo	CHH	-0.08
Gm18	13941140	13942129	Gmdrm	hypo	CHH	-0.0453
Gm18	13950003	13950994	Gmdrm	hypo	CHH	-0.0665
Gm18	13951020	13952013	Gmdrm	hypo	CHH	-0.0564
Gm18	13963589	13964587	Gmdrm	hypo	CHH	-0.044
Gm18	13972263	13973258	Gmdrm	hypo	CHH	-0.0273
Gm18	13973296	13973489	Gmdrm	hypo	CHH	-0.3291
Gm18	14001374	14002373	Gmdrm	hypo	CHH	-0.0443
Gm18	14006989	14007989	Gmdrm	hypo	CHH	-0.0241
Gm18	14014369	14015367	Gmdrm	hypo	CHH	-0.0507
Gm18	14015374	14016365	Gmdrm	hypo	CHH	-0.0489
Gm18	14016378	14016922	Gmdrm	hypo	CHH	-0.2974
Gm18	14017714	14018198	Gmdrm	hypo	CHH	-0.0998
Gm18	14023343	14024333	Gmdrm	hypo	CHH	-0.0189
Gm18	14025837	14026670	Gmdrm	hypo	CHH	-0.0451
Gm18	14026844	14027818	Gmdrm	hypo	CHH	-0.2437
Gm18	14052563	14053532	Gmdrm	hypo	CHH	-0.0653
Gm18	14053564	14054549	Gmdrm	hypo	CHH	-0.0147
Gm18	14055628	14056623	Gmdrm	hypo	CHH	-0.0273
Gm18	14056640	14057640	Gmdrm	hypo	CHH	-0.0455
Gm18	14084448	14085447	Gmdrm	hypo	CHH	-0.0683
Gm18	14086475	14087441	Gmdrm	hypo	CHH	-0.0124
Gm18	14151332	14152329	Gmdrm	hypo	CHH	-0.1159
Gm18	14152662	14153128	Gmdrm	hypo	CHH	-0.1874
Gm18	14160365	14161344	Gmdrm	hypo	CHH	-0.0317
Gm18	14171424	14172388	Gmdrm	hypo	CHH	-0.055
Gm18	14174346	14175346	Gmdrm	hypo	CHH	-0.0399
Gm18	14175348	14176342	Gmdrm	hypo	CHH	-0.0256
Gm18	14185093	14186079	Gmdrm	hypo	CHH	-0.0204
Gm18	14187572	14188570	Gmdrm	hypo	CHH	-0.0162
Gm18	14189575	14190573	Gmdrm	hypo	CHH	-0.0836
Gm18	14194792	14195747	Gmdrm	hypo	CHH	-0.0136
Gm18	14204821	14205818	Gmdrm	hypo	CHH	-0.0449
Gm18	14219332	14220308	Gmdrm	hypo	CHH	-0.0356

Gm18	14228147	14229147	Gmdrm	hypo	CHH	-0.0236
Gm18	14275670	14276655	Gmdrm	hypo	CHH	-0.0735
Gm18	14288245	14288893	Gmdrm	hypo	CHH	-0.0719
Gm18	14291851	14292788	Gmdrm	hypo	CHH	-0.0272
Gm18	14297657	14298643	Gmdrm	hypo	CHH	-0.0594
Gm18	14313555	14314546	Gmdrm	hypo	CHH	-0.1401
Gm18	14320661	14321655	Gmdrm	hypo	CHH	-0.0586
Gm18	14321666	14322652	Gmdrm	hypo	CHH	-0.0532
Gm18	14376706	14377632	Gmdrm	hypo	CHH	-0.0198
Gm18	14378009	14378996	Gmdrm	hypo	CHH	-0.0479
Gm18	14379317	14380301	Gmdrm	hypo	CHH	-0.0246
Gm18	14380321	14381306	Gmdrm	hypo	CHH	-0.069
Gm18	14398492	14398722	Gmdrm	hypo	CHH	-0.0567
Gm18	14398858	14399214	Gmdrm	hypo	CHH	-0.0945
Gm18	14402130	14402248	Gmdrm	hypo	CHH	-0.045
Gm18	14424153	14425144	Gmdrm	hypo	CHH	-0.0367
Gm18	14429252	14429404	Gmdrm	hypo	CHH	-0.1383
Gm18	14438195	14439164	Gmdrm	hypo	CHH	-0.0648
Gm18	14451873	14452867	Gmdrm	hypo	CHH	-0.0238
Gm18	14506369	14507367	Gmdrm	hypo	CHH	-0.0267
Gm18	14538949	14539937	Gmdrm	hypo	CHH	-0.0592
Gm18	14539950	14540945	Gmdrm	hypo	CHH	-0.0249
Gm18	14552060	14553039	Gmdrm	hypo	CHH	-0.0396
Gm18	14553586	14554571	Gmdrm	hypo	CHH	-0.0703
Gm18	14559233	14560223	Gmdrm	hypo	CHH	-0.0266
Gm18	14561189	14562125	Gmdrm	hypo	CHH	-0.1142
Gm18	14565151	14566132	Gmdrm	hypo	CHH	-0.0216
Gm18	14567146	14568143	Gmdrm	hypo	CHH	-0.0241
Gm18	14569159	14570149	Gmdrm	hypo	CHH	-0.0275
Gm18	14570163	14571142	Gmdrm	hypo	CHH	-0.0136
Gm18	14574188	14575188	Gmdrm	hypo	CHH	-0.0297
Gm18	14575190	14576190	Gmdrm	hypo	CHH	-0.1279
Gm18	14576192	14576814	Gmdrm	hypo	CHH	-0.082
Gm18	14584144	14585143	Gmdrm	hypo	CHH	-0.0214
Gm18	14585151	14586142	Gmdrm	hypo	CHH	-0.0163
Gm18	14586153	14587147	Gmdrm	hypo	CHH	-0.021
Gm18	14609250	14610239	Gmdrm	hypo	CHH	-0.0328
Gm18	14624095	14624916	Gmdrm	hypo	CHH	-0.0544
Gm18	14626196	14626271	Gmdrm	hypo	CHH	-0.0588
Gm18	14626409	14626602	Gmdrm	hypo	CHH	-0.03
Gm18	14635705	14636524	Gmdrm	hypo	CHH	-0.0862
Gm18	14647085	14647882	Gmdrm	hypo	CHH	-0.0206
Gm18	14706218	14707189	Gmdrm	hypo	CHH	-0.0192
Gm18	14713393	14714391	Gmdrm	hypo	CHH	-0.0479
Gm18	14728320	14729098	Gmdrm	hypo	CHH	-0.0534
Gm18	14729227	14730208	Gmdrm	hypo	CHH	-0.0734

Gm18	14754383	14755381	Gmdrm	hypo	CHH	-0.0304
Gm18	14755398	14755607	Gmdrm	hypo	CHH	-0.1825
Gm18	14755720	14756706	Gmdrm	hypo	CHH	-0.0826
Gm18	14771601	14772593	Gmdrm	hypo	CHH	-0.038
Gm18	14787408	14788394	Gmdrm	hypo	CHH	-0.021
Gm18	14797245	14798223	Gmdrm	hypo	CHH	-0.0183
Gm18	14803060	14804021	Gmdrm	hypo	CHH	-0.0891
Gm18	14804064	14805035	Gmdrm	hypo	CHH	-0.0647
Gm18	14825678	14826669	Gmdrm	hypo	CHH	-0.0458
Gm18	14828474	14829454	Gmdrm	hypo	CHH	-0.0702
Gm18	14854071	14855049	Gmdrm	hypo	CHH	-0.04
Gm18	14861394	14862352	Gmdrm	hypo	CHH	-0.0358
Gm18	14864970	14865951	Gmdrm	hypo	CHH	-0.0234
Gm18	14880910	14881881	Gmdrm	hypo	CHH	-0.026
Gm18	14898142	14899120	Gmdrm	hypo	CHH	-0.0113
Gm18	14899151	14900137	Gmdrm	hypo	CHH	-0.015
Gm18	14902192	14903188	Gmdrm	hypo	CHH	-0.037
Gm18	14910072	14911062	Gmdrm	hypo	CHH	-0.0323
Gm18	14911090	14912073	Gmdrm	hypo	CHH	-0.1077
Gm18	14913185	14914185	Gmdrm	hypo	CHH	-0.0154
Gm18	14914186	14915183	Gmdrm	hypo	CHH	-0.0116
Gm18	14932146	14933062	Gmdrm	hypo	CHH	-0.0255
Gm18	14946677	14947677	Gmdrm	hypo	CHH	-0.3176
Gm18	14947681	14947997	Gmdrm	hypo	CHH	-0.1446
Gm18	14978673	14979665	Gmdrm	hypo	CHH	-0.0195
Gm18	14999967	15000960	Gmdrm	hypo	CHH	-0.116
Gm18	15000970	15001603	Gmdrm	hypo	CHH	-0.1206
Gm18	15012631	15013631	Gmdrm	hypo	CHH	-0.0782
Gm18	15014378	15015347	Gmdrm	hypo	CHH	-0.0739
Gm18	15015405	15016387	Gmdrm	hypo	CHH	-0.1714
Gm18	15020342	15021336	Gmdrm	hypo	CHH	-0.0201
Gm18	15022044	15023043	Gmdrm	hypo	CHH	-0.0357
Gm18	15023049	15024047	Gmdrm	hypo	CHH	-0.0761
Gm18	15050144	15051139	Gmdrm	hypo	CHH	-0.0468
Gm18	15051170	15051791	Gmdrm	hypo	CHH	-0.1196
Gm18	15055158	15055400	Gmdrm	hypo	CHH	-0.077
Gm18	15056566	15057566	Gmdrm	hypo	CHH	-0.0462
Gm18	15057570	15058550	Gmdrm	hypo	CHH	-0.019
Gm18	15059596	15060592	Gmdrm	hypo	CHH	-0.0517
Gm18	15062904	15063888	Gmdrm	hypo	CHH	-0.1026
Gm18	15063919	15064442	Gmdrm	hypo	CHH	-0.1282
Gm18	15064556	15065427	Gmdrm	hypo	CHH	-0.1266
Gm18	15065549	15066545	Gmdrm	hypo	CHH	-0.0597
Gm18	15067058	15068057	Gmdrm	hypo	CHH	-0.0681
Gm18	15075196	15076194	Gmdrm	hypo	CHH	-0.0634
Gm18	15076200	15077194	Gmdrm	hypo	CHH	-0.1112

Gm18	15077212	15078187	Gmdrm	hypo	CHH	-0.0783
Gm18	15084310	15085302	Gmdrm	hypo	CHH	-0.0269
Gm18	15086013	15087012	Gmdrm	hypo	CHH	-0.058
Gm18	15087017	15087989	Gmdrm	hypo	CHH	-0.0497
Gm18	15088045	15089011	Gmdrm	hypo	CHH	-0.0691
Gm18	15093294	15094084	Gmdrm	hypo	CHH	-0.1325
Gm18	15166402	15167394	Gmdrm	hypo	CHH	-0.179
Gm18	15182084	15183084	Gmdrm	hypo	CHH	-0.0341
Gm18	15183086	15183789	Gmdrm	hypo	CHH	-0.0633
Gm18	15186845	15187826	Gmdrm	hypo	CHH	-0.0794
Gm18	15222074	15223068	Gmdrm	hypo	CHH	-0.0593
Gm18	15223081	15224068	Gmdrm	hypo	CHH	-0.1067
Gm18	15238676	15239625	Gmdrm	hypo	CHH	-0.1279
Gm18	15264549	15265547	Gmdrm	hypo	CHH	-0.0225
Gm18	15273565	15274554	Gmdrm	hypo	CHH	-0.0568
Gm18	15285052	15286018	Gmdrm	hypo	CHH	-0.0495
Gm18	15294751	15295347	Gmdrm	hypo	CHH	-0.1358
Gm18	15296804	15297793	Gmdrm	hypo	CHH	-0.07
Gm18	15304371	15305324	Gmdrm	hypo	CHH	-0.0353
Gm18	15305372	15306372	Gmdrm	hypo	CHH	-0.0898
Gm18	15315444	15316433	Gmdrm	hypo	CHH	-0.1171
Gm18	15316953	15317950	Gmdrm	hypo	CHH	-0.0899
Gm18	15331043	15332043	Gmdrm	hypo	CHH	-0.0257
Gm18	15337389	15338327	Gmdrm	hypo	CHH	-0.0137
Gm18	15339478	15340477	Gmdrm	hypo	CHH	-0.0866
Gm18	15340492	15341492	Gmdrm	hypo	CHH	-0.2422
Gm18	15360138	15361137	Gmdrm	hypo	CHH	-0.0514
Gm18	15370929	15371907	Gmdrm	hypo	CHH	-0.0132
Gm18	15371947	15372944	Gmdrm	hypo	CHH	-0.1524
Gm18	15372948	15373933	Gmdrm	hypo	CHH	-0.067
Gm18	15383030	15383706	Gmdrm	hypo	CHH	-0.015
Gm18	15402441	15403424	Gmdrm	hypo	CHH	-0.1523
Gm18	15422025	15423008	Gmdrm	hypo	CHH	-0.1276
Gm18	15423028	15423308	Gmdrm	hypo	CHH	-0.2241
Gm18	15434887	15435786	Gmdrm	hypo	CHH	-0.015
Gm18	15519051	15519439	Gmdrm	hypo	CHH	-0.0541
Gm18	15520762	15521750	Gmdrm	hypo	CHH	-0.0249
Gm18	15522810	15523810	Gmdrm	hypo	CHH	-0.0393
Gm18	15539637	15540637	Gmdrm	hypo	CHH	-0.0379
Gm18	15542851	15543847	Gmdrm	hypo	CHH	-0.0286
Gm18	15553935	15554931	Gmdrm	hypo	CHH	-0.0397
Gm18	15572575	15573574	Gmdrm	hypo	CHH	-0.0611
Gm18	15574153	15574635	Gmdrm	hypo	CHH	-0.0852
Gm18	15576848	15577837	Gmdrm	hypo	CHH	-0.0352
Gm18	15577850	15578485	Gmdrm	hypo	CHH	-0.0709
Gm18	15579080	15580055	Gmdrm	hypo	CHH	-0.0893

Gm18	15580122	15581116 Gmdrm	hypo	CHH	-0.0217
Gm18	15584149	15584678 Gmdrm	hypo	CHH	-0.0371
Gm18	15585039	15586039 Gmdrm	hypo	CHH	-0.023
Gm18	15635075	15636072 Gmdrm	hypo	CHH	-0.0201
Gm18	15636076	15637066 Gmdrm	hypo	CHH	-0.038
Gm18	15719439	15720438 Gmdrm	hypo	CHH	-0.1308
Gm18	15720448	15721437 Gmdrm	hypo	CHH	-0.0274
Gm18	15723503	15724475 Gmdrm	hypo	CHH	-0.014
Gm18	15760697	15761687 Gmdrm	hypo	CHH	-0.1128
Gm18	15796520	15797519 Gmdrm	hypo	CHH	-0.0363
Gm18	15799400	15799736 Gmdrm	hypo	CHH	-0.0236
Gm18	15823499	15824495 Gmdrm	hypo	CHH	-0.0461
Gm18	15833752	15834376 Gmdrm	hypo	CHH	-0.0291
Gm18	15908534	15909490 Gmdrm	hypo	CHH	-0.0146
Gm18	15910404	15911395 Gmdrm	hypo	CHH	-0.0137
Gm18	15913522	15914517 Gmdrm	hypo	CHH	-0.0522
Gm18	15934088	15935087 Gmdrm	hypo	CHH	-0.0165
Gm18	15942933	15943919 Gmdrm	hypo	CHH	-0.0311
Gm18	15948734	15949688 Gmdrm	hypo	CHH	-0.0171
Gm18	15954514	15955502 Gmdrm	hypo	CHH	-0.0282
Gm18	15956522	15957513 Gmdrm	hypo	CHH	-0.0166
Gm18	15963629	15964618 Gmdrm	hypo	CHH	-0.0532
Gm18	15968725	15969702 Gmdrm	hypo	CHH	-0.0189
Gm18	15973182	15974181 Gmdrm	hypo	CHH	-0.048
Gm18	15974193	15975168 Gmdrm	hypo	CHH	-0.067
Gm18	15975198	15976162 Gmdrm	hypo	CHH	-0.0372
Gm18	15979694	15980690 Gmdrm	hypo	CHH	-0.0202
Gm18	15987164	15988163 Gmdrm	hypo	CHH	-0.0335
Gm18	15989192	15990189 Gmdrm	hypo	CHH	-0.0664
Gm18	15990199	15990954 Gmdrm	hypo	CHH	-0.1362
Gm18	15997318	15998316 Gmdrm	hypo	CHH	-0.0497
Gm18	16003426	16004415 Gmdrm	hypo	CHH	-0.1342
Gm18	16030179	16031165 Gmdrm	hypo	CHH	-0.0398
Gm18	16072121	16073088 Gmdrm	hypo	CHH	-0.0195
Gm18	16074149	16074515 Gmdrm	hypo	CHH	-0.0268
Gm18	16074639	16075638 Gmdrm	hypo	CHH	-0.0811
Gm18	16075641	16076636 Gmdrm	hypo	CHH	-0.0742
Gm18	16125250	16126051 Gmdrm	hypo	CHH	-0.0298
Gm18	16158438	16159438 Gmdrm	hypo	CHH	-0.0378
Gm18	16160887	16161877 Gmdrm	hypo	CHH	-0.0163
Gm18	16170661	16171659 Gmdrm	hypo	CHH	-0.0245
Gm18	16206550	16207541 Gmdrm	hypo	CHH	-0.0371
Gm18	16230722	16231720 Gmdrm	hypo	CHH	-0.0399
Gm18	16231723	16232706 Gmdrm	hypo	CHH	-0.0705
Gm18	16232725	16233716 Gmdrm	hypo	CHH	-0.0507
Gm18	16239168	16240138 Gmdrm	hypo	CHH	-0.018

Gm18	16240175	16241165	Gmdrm	hypo	CHH	-0.0215
Gm18	16241178	16241824	Gmdrm	hypo	CHH	-0.024
Gm18	16242104	16243104	Gmdrm	hypo	CHH	-0.0249
Gm18	16243119	16244091	Gmdrm	hypo	CHH	-0.02
Gm18	16249193	16249522	Gmdrm	hypo	CHH	-0.1185
Gm18	16270495	16271495	Gmdrm	hypo	CHH	-0.0466
Gm18	16282857	16283818	Gmdrm	hypo	CHH	-0.096
Gm18	16287971	16288969	Gmdrm	hypo	CHH	-0.0713
Gm18	16301711	16302684	Gmdrm	hypo	CHH	-0.2399
Gm18	16314090	16315083	Gmdrm	hypo	CHH	-0.204
Gm18	16330352	16331345	Gmdrm	hypo	CHH	-0.0448
Gm18	16341126	16342126	Gmdrm	hypo	CHH	-0.0783
Gm18	16342129	16342561	Gmdrm	hypo	CHH	-0.0487
Gm18	16346651	16347646	Gmdrm	hypo	CHH	-0.07
Gm18	16349110	16350108	Gmdrm	hypo	CHH	-0.0157
Gm18	16353729	16354726	Gmdrm	hypo	CHH	-0.0533
Gm18	16385275	16386256	Gmdrm	hypo	CHH	-0.0233
Gm18	16400831	16401828	Gmdrm	hypo	CHH	-0.1415
Gm18	16401833	16402661	Gmdrm	hypo	CHH	-0.0244
Gm18	16406898	16407894	Gmdrm	hypo	CHH	-0.0142
Gm18	16411308	16412300	Gmdrm	hypo	CHH	-0.2266
Gm18	16430388	16431382	Gmdrm	hypo	CHH	-0.0748
Gm18	16458860	16459765	Gmdrm	hypo	CHH	-0.0261
Gm18	16462244	16463229	Gmdrm	hypo	CHH	-0.0129
Gm18	16463246	16464244	Gmdrm	hypo	CHH	-0.0687
Gm18	16467379	16468362	Gmdrm	hypo	CHH	-0.0134
Gm18	16469384	16469936	Gmdrm	hypo	CHH	-0.0381
Gm18	16526266	16526338	Gmdrm	hypo	CHH	-0.156
Gm18	16627158	16628144	Gmdrm	hypo	CHH	-0.0999
Gm18	16638740	16639738	Gmdrm	hypo	CHH	-0.1785
Gm18	16640764	16641764	Gmdrm	hypo	CHH	-0.0127
Gm18	16642980	16643821	Gmdrm	hypo	CHH	-0.3341
Gm18	16655862	16656841	Gmdrm	hypo	CHH	-0.0245
Gm18	16657787	16658773	Gmdrm	hypo	CHH	-0.0722
Gm18	16677099	16678099	Gmdrm	hypo	CHH	-0.0263
Gm18	16678101	16679077	Gmdrm	hypo	CHH	-0.0945
Gm18	16679824	16680429	Gmdrm	hypo	CHH	-0.0267
Gm18	16680570	16681568	Gmdrm	hypo	CHH	-0.0362
Gm18	16681578	16681772	Gmdrm	hypo	CHH	-0.0442
Gm18	16714488	16715485	Gmdrm	hypo	CHH	-0.0386
Gm18	16715500	16716315	Gmdrm	hypo	CHH	-0.0204
Gm18	16719610	16720600	Gmdrm	hypo	CHH	-0.0347
Gm18	16722334	16723333	Gmdrm	hypo	CHH	-0.0406
Gm18	16773421	16774420	Gmdrm	hypo	CHH	-0.0237
Gm18	16775814	16776786	Gmdrm	hypo	CHH	-0.0571
Gm18	16841236	16842228	Gmdrm	hypo	CHH	-0.0356

Gm18	16846053	16847033	Gmdrm	hypo	CHH	-0.0594
Gm18	16847061	16848057	Gmdrm	hypo	CHH	-0.0681
Gm18	16864370	16864926	Gmdrm	hypo	CHH	-0.1004
Gm18	16865049	16865942	Gmdrm	hypo	CHH	-0.0614
Gm18	16874627	16874926	Gmdrm	hypo	CHH	-0.0387
Gm18	16875037	16876027	Gmdrm	hypo	CHH	-0.1818
Gm18	16882107	16883024	Gmdrm	hypo	CHH	-0.0556
Gm18	16910502	16911498	Gmdrm	hypo	CHH	-0.0295
Gm18	16945438	16945736	Gmdrm	hypo	CHH	-0.1079
Gm18	16985674	16986341	Gmdrm	hypo	CHH	-0.0425
Gm18	17000600	17001589	Gmdrm	hypo	CHH	-0.0565
Gm18	17028064	17028197	Gmdrm	hypo	CHH	-0.166
Gm18	17034348	17035345	Gmdrm	hypo	CHH	-0.025
Gm18	17039074	17040062	Gmdrm	hypo	CHH	-0.0175
Gm18	17066008	17067006	Gmdrm	hypo	CHH	-0.0184
Gm18	17067014	17068008	Gmdrm	hypo	CHH	-0.059
Gm18	17090753	17091746	Gmdrm	hypo	CHH	-0.1006
Gm18	17149177	17150160	Gmdrm	hypo	CHH	-0.0724
Gm18	17152234	17153160	Gmdrm	hypo	CHH	-0.0141
Gm18	17176709	17177084	Gmdrm	hypo	CHH	-0.029
Gm18	17177208	17177858	Gmdrm	hypo	CHH	-0.1819
Gm18	17177966	17178950	Gmdrm	hypo	CHH	-0.0561
Gm18	17178983	17179979	Gmdrm	hypo	CHH	-0.069
Gm18	17181789	17182781	Gmdrm	hypo	CHH	-0.1379
Gm18	17210396	17211367	Gmdrm	hypo	CHH	-0.0331
Gm18	17211412	17212408	Gmdrm	hypo	CHH	-0.077
Gm18	17221406	17222400	Gmdrm	hypo	CHH	-0.0537
Gm18	17222411	17223401	Gmdrm	hypo	CHH	-0.2871
Gm18	17223414	17224386	Gmdrm	hypo	CHH	-0.1985
Gm18	17224434	17225430	Gmdrm	hypo	CHH	-0.014
Gm18	17252091	17253073	Gmdrm	hypo	CHH	-0.0286
Gm18	17278865	17279865	Gmdrm	hypo	CHH	-0.0625
Gm18	17284100	17285091	Gmdrm	hypo	CHH	-0.0325
Gm18	17286386	17286499	Gmdrm	hypo	CHH	-0.1009
Gm18	17291454	17292450	Gmdrm	hypo	CHH	-0.0259
Gm18	17292456	17293451	Gmdrm	hypo	CHH	-0.0909
Gm18	17296946	17297941	Gmdrm	hypo	CHH	-0.0738
Gm18	17297947	17298913	Gmdrm	hypo	CHH	-0.0386
Gm18	17300214	17301189	Gmdrm	hypo	CHH	-0.1276
Gm18	17350113	17350211	Gmdrm	hypo	CHH	-0.0743
Gm18	17372466	17373465	Gmdrm	hypo	CHH	-0.0234
Gm18	17382309	17382638	Gmdrm	hypo	CHH	-0.0683
Gm18	17390660	17391657	Gmdrm	hypo	CHH	-0.077
Gm18	17391666	17392371	Gmdrm	hypo	CHH	-0.0856
Gm18	17400499	17401484	Gmdrm	hypo	CHH	-0.036
Gm18	17622392	17622714	Gmdrm	hypo	CHH	-0.0931

Gm18	17622990	17623069	Gmdrm	hypo	CHH	-0.1567
Gm18	17630720	17631661	Gmdrm	hypo	CHH	-0.036
Gm18	17635445	17635516	Gmdrm	hypo	CHH	-0.4434
Gm18	17635629	17636376	Gmdrm	hypo	CHH	-0.129
Gm18	17685138	17686127	Gmdrm	hypo	CHH	-0.1864
Gm18	17686160	17686942	Gmdrm	hypo	CHH	-0.2056
Gm18	17707259	17708248	Gmdrm	hypo	CHH	-0.0243
Gm18	17820459	17821447	Gmdrm	hypo	CHH	-0.034
Gm18	17821484	17822480	Gmdrm	hypo	CHH	-0.0314
Gm18	17822491	17823274	Gmdrm	hypo	CHH	-0.0422
Gm18	17827714	17828692	Gmdrm	hypo	CHH	-0.0308
Gm18	17835186	17835897	Gmdrm	hypo	CHH	-0.0268
Gm18	17846344	17846941	Gmdrm	hypo	CHH	-0.0194
Gm18	17847433	17848420	Gmdrm	hypo	CHH	-0.0228
Gm18	17898727	17899708	Gmdrm	hypo	CHH	-0.0163
Gm18	17967554	17968553	Gmdrm	hypo	CHH	-0.053
Gm18	17968560	17969559	Gmdrm	hypo	CHH	-0.0535
Gm18	17973335	17974333	Gmdrm	hypo	CHH	-0.0994
Gm18	17975150	17976146	Gmdrm	hypo	CHH	-0.0438
Gm18	17981670	17982629	Gmdrm	hypo	CHH	-0.2067
Gm18	17988933	17989084	Gmdrm	hypo	CHH	-0.0947
Gm18	17989198	17990184	Gmdrm	hypo	CHH	-0.056
Gm18	17990200	17991182	Gmdrm	hypo	CHH	-0.0468
Gm18	17991211	17992208	Gmdrm	hypo	CHH	-0.0593
Gm18	18002472	18003470	Gmdrm	hypo	CHH	-0.1362
Gm18	18055295	18055919	Gmdrm	hypo	CHH	-0.0936
Gm18	18057434	18058416	Gmdrm	hypo	CHH	-0.0173
Gm18	18066862	18067855	Gmdrm	hypo	CHH	-0.0175
Gm18	18067892	18068859	Gmdrm	hypo	CHH	-0.0266
Gm18	18072345	18073324	Gmdrm	hypo	CHH	-0.039
Gm18	18084969	18085715	Gmdrm	hypo	CHH	-0.0134
Gm18	18085909	18086900	Gmdrm	hypo	CHH	-0.0199
Gm18	18092525	18093210	Gmdrm	hypo	CHH	-0.4485
Gm18	18134034	18135031	Gmdrm	hypo	CHH	-0.053
Gm18	18136075	18137075	Gmdrm	hypo	CHH	-0.0318
Gm18	18172069	18172771	Gmdrm	hypo	CHH	-0.0408
Gm18	18173022	18174022	Gmdrm	hypo	CHH	-0.0849
Gm18	18174024	18175019	Gmdrm	hypo	CHH	-0.123
Gm18	18181678	18182670	Gmdrm	hypo	CHH	-0.0432
Gm18	18198074	18198133	Gmdrm	hypo	CHH	-0.2286
Gm18	18199592	18200586	Gmdrm	hypo	CHH	-0.0383
Gm18	18203627	18204596	Gmdrm	hypo	CHH	-0.0409
Gm18	18204653	18205653	Gmdrm	hypo	CHH	-0.0328
Gm18	18210974	18211974	Gmdrm	hypo	CHH	-0.0647
Gm18	18212997	18213992	Gmdrm	hypo	CHH	-0.0332
Gm18	18215605	18216594	Gmdrm	hypo	CHH	-0.0318

Gm18	18229246	18230241	Gmdrm	hypo	CHH	-0.1555
Gm18	18230274	18230659	Gmdrm	hypo	CHH	-0.0658
Gm18	18241069	18242066	Gmdrm	hypo	CHH	-0.0337
Gm18	18242073	18243016	Gmdrm	hypo	CHH	-0.0477
Gm18	18243083	18244037	Gmdrm	hypo	CHH	-0.0777
Gm18	18244113	18245111	Gmdrm	hypo	CHH	-0.0603
Gm18	18262445	18263325	Gmdrm	hypo	CHH	-0.0597
Gm18	18265342	18266310	Gmdrm	hypo	CHH	-0.0278
Gm18	18280715	18281670	Gmdrm	hypo	CHH	-0.0354
Gm18	18281764	18281984	Gmdrm	hypo	CHH	-0.0422
Gm18	18301164	18301901	Gmdrm	hypo	CHH	-0.0855
Gm18	18334736	18335725	Gmdrm	hypo	CHH	-0.0552
Gm18	18353699	18354698	Gmdrm	hypo	CHH	-0.0768
Gm18	18367025	18368024	Gmdrm	hypo	CHH	-0.0684
Gm18	18383633	18384625	Gmdrm	hypo	CHH	-0.0571
Gm18	18384645	18384698	Gmdrm	hypo	CHH	-0.138
Gm18	18385929	18386890	Gmdrm	hypo	CHH	-0.0315
Gm18	18390993	18391969	Gmdrm	hypo	CHH	-0.0336
Gm18	18393079	18394076	Gmdrm	hypo	CHH	-0.0437
Gm18	18422612	18423188	Gmdrm	hypo	CHH	-0.0472
Gm18	18425895	18426865	Gmdrm	hypo	CHH	-0.152
Gm18	18429381	18430379	Gmdrm	hypo	CHH	-0.0167
Gm18	18430389	18430804	Gmdrm	hypo	CHH	-0.0527
Gm18	18439968	18440957	Gmdrm	hypo	CHH	-0.032
Gm18	18443617	18444614	Gmdrm	hypo	CHH	-0.0209
Gm18	18447654	18448524	Gmdrm	hypo	CHH	-0.0654
Gm18	18451455	18452453	Gmdrm	hypo	CHH	-0.0187
Gm18	18452476	18453475	Gmdrm	hypo	CHH	-0.0334
Gm18	18453482	18454435	Gmdrm	hypo	CHH	-0.0347
Gm18	18455295	18456269	Gmdrm	hypo	CHH	-0.0149
Gm18	18459266	18460262	Gmdrm	hypo	CHH	-0.0231
Gm18	18471281	18472278	Gmdrm	hypo	CHH	-0.0148
Gm18	18473314	18474292	Gmdrm	hypo	CHH	-0.0189
Gm18	18477559	18478552	Gmdrm	hypo	CHH	-0.0913
Gm18	18478563	18479554	Gmdrm	hypo	CHH	-0.091
Gm18	18485413	18486406	Gmdrm	hypo	CHH	-0.0824
Gm18	18523671	18524648	Gmdrm	hypo	CHH	-0.082
Gm18	18524674	18525670	Gmdrm	hypo	CHH	-0.0295
Gm18	18527689	18528665	Gmdrm	hypo	CHH	-0.0456
Gm18	18529116	18530112	Gmdrm	hypo	CHH	-0.0249
Gm18	18530142	18531125	Gmdrm	hypo	CHH	-0.0525
Gm18	18532308	18533297	Gmdrm	hypo	CHH	-0.0272
Gm18	18533313	18533690	Gmdrm	hypo	CHH	-0.0323
Gm18	18535094	18536091	Gmdrm	hypo	CHH	-0.1181
Gm18	18536102	18537102	Gmdrm	hypo	CHH	-0.0743
Gm18	18546587	18547578	Gmdrm	hypo	CHH	-0.084

Gm18	18564529	18565522	Gmdrm	hypo	CHH	-0.0701
Gm18	18566265	18566305	Gmdrm	hypo	CHH	-0.0783
Gm18	18567634	18568627	Gmdrm	hypo	CHH	-0.1475
Gm18	18573521	18574512	Gmdrm	hypo	CHH	-0.0722
Gm18	18576952	18577952	Gmdrm	hypo	CHH	-0.0247
Gm18	18578962	18579960	Gmdrm	hypo	CHH	-0.0264
Gm18	18579985	18580981	Gmdrm	hypo	CHH	-0.0418
Gm18	18580991	18581988	Gmdrm	hypo	CHH	-0.0459
Gm18	18585023	18586018	Gmdrm	hypo	CHH	-0.0381
Gm18	18587067	18588059	Gmdrm	hypo	CHH	-0.0678
Gm18	18588223	18588954	Gmdrm	hypo	CHH	-0.0305
Gm18	18601708	18602702	Gmdrm	hypo	CHH	-0.1042
Gm18	18614540	18615539	Gmdrm	hypo	CHH	-0.0412
Gm18	18626512	18627510	Gmdrm	hypo	CHH	-0.0118
Gm18	18677415	18678281	Gmdrm	hypo	CHH	-0.0333
Gm18	18696992	18697992	Gmdrm	hypo	CHH	-0.0231
Gm18	18819992	18820973	Gmdrm	hypo	CHH	-0.0411
Gm18	18820994	18821993	Gmdrm	hypo	CHH	-0.0605
Gm18	18834394	18835394	Gmdrm	hypo	CHH	-0.05
Gm18	18961273	18961671	Gmdrm	hypo	CHH	-0.0733
Gm18	18970101	18971084	Gmdrm	hypo	CHH	-0.0367
Gm18	18979806	18980050	Gmdrm	hypo	CHH	-0.0179
Gm18	18981154	18982130	Gmdrm	hypo	CHH	-0.0315
Gm18	18984550	18985541	Gmdrm	hypo	CHH	-0.0173
Gm18	18988960	18989954	Gmdrm	hypo	CHH	-0.1207
Gm18	19027865	19028805	Gmdrm	hypo	CHH	-0.0189
Gm18	19030804	19031585	Gmdrm	hypo	CHH	-0.0285
Gm18	19035744	19036281	Gmdrm	hypo	CHH	-0.0925
Gm18	19036692	19037627	Gmdrm	hypo	CHH	-0.032
Gm18	19038730	19039728	Gmdrm	hypo	CHH	-0.0347
Gm18	19039732	19040729	Gmdrm	hypo	CHH	-0.0384
Gm18	19055691	19056021	Gmdrm	hypo	CHH	-0.0406
Gm18	19057532	19058531	Gmdrm	hypo	CHH	-0.1065
Gm18	19058548	19059539	Gmdrm	hypo	CHH	-0.1101
Gm18	19061842	19062839	Gmdrm	hypo	CHH	-0.0172
Gm18	19125434	19126417	Gmdrm	hypo	CHH	-0.0404
Gm18	19127445	19128126	Gmdrm	hypo	CHH	-0.0576
Gm18	19138972	19139963	Gmdrm	hypo	CHH	-0.0264
Gm18	19141339	19142325	Gmdrm	hypo	CHH	-0.0418
Gm18	19147397	19148375	Gmdrm	hypo	CHH	-0.0387
Gm18	19150886	19151884	Gmdrm	hypo	CHH	-0.067
Gm18	19151888	19152884	Gmdrm	hypo	CHH	-0.1154
Gm18	19152896	19153730	Gmdrm	hypo	CHH	-0.0536
Gm18	19155330	19156309	Gmdrm	hypo	CHH	-0.0147
Gm18	19156334	19157297	Gmdrm	hypo	CHH	-0.0168
Gm18	19159196	19160195	Gmdrm	hypo	CHH	-0.0145

Gm18	19168848	19169847	Gmdrm	hypo	CHH	-0.0221
Gm18	19181037	19182028	Gmdrm	hypo	CHH	-0.2752
Gm18	19203462	19204449	Gmdrm	hypo	CHH	-0.0874
Gm18	19204512	19205510	Gmdrm	hypo	CHH	-0.058
Gm18	19205529	19206513	Gmdrm	hypo	CHH	-0.1146
Gm18	19211470	19212446	Gmdrm	hypo	CHH	-0.0269
Gm18	19214641	19215635	Gmdrm	hypo	CHH	-0.0308
Gm18	19249895	19250895	Gmdrm	hypo	CHH	-0.0524
Gm18	19299076	19299371	Gmdrm	hypo	CHH	-0.0821
Gm18	19313960	19314228	Gmdrm	hypo	CHH	-0.1073
Gm18	19314770	19314935	Gmdrm	hypo	CHH	-0.062
Gm18	19336578	19337556	Gmdrm	hypo	CHH	-0.0735
Gm18	19339002	19340002	Gmdrm	hypo	CHH	-0.1458
Gm18	19340798	19340914	Gmdrm	hypo	CHH	-0.21
Gm18	19346613	19347604	Gmdrm	hypo	CHH	-0.0503
Gm18	19369217	19370215	Gmdrm	hypo	CHH	-0.0364
Gm18	19370238	19371213	Gmdrm	hypo	CHH	-0.0407
Gm18	19599250	19600241	Gmdrm	hypo	CHH	-0.0618
Gm18	19600279	19601259	Gmdrm	hypo	CHH	-0.0263
Gm18	19602817	19603816	Gmdrm	hypo	CHH	-0.0186
Gm18	19603830	19604822	Gmdrm	hypo	CHH	-0.0313
Gm18	19604832	19605828	Gmdrm	hypo	CHH	-0.0468
Gm18	19605843	19606825	Gmdrm	hypo	CHH	-0.0283
Gm18	19607438	19608162	Gmdrm	hypo	CHH	-0.0266
Gm18	19609314	19610307	Gmdrm	hypo	CHH	-0.021
Gm18	19612482	19613475	Gmdrm	hypo	CHH	-0.0361
Gm18	19615604	19616561	Gmdrm	hypo	CHH	-0.0207
Gm18	19630144	19631144	Gmdrm	hypo	CHH	-0.0869
Gm18	19663788	19664781	Gmdrm	hypo	CHH	-0.016
Gm18	19706719	19707715	Gmdrm	hypo	CHH	-0.0609
Gm18	19715494	19716442	Gmdrm	hypo	CHH	-0.0489
Gm18	19722684	19723670	Gmdrm	hypo	CHH	-0.033
Gm18	19725718	19726717	Gmdrm	hypo	CHH	-0.0314
Gm18	19726773	19727770	Gmdrm	hypo	CHH	-0.0235
Gm18	19731609	19732590	Gmdrm	hypo	CHH	-0.0517
Gm18	19739457	19739750	Gmdrm	hypo	CHH	-0.0504
Gm18	19761071	19762064	Gmdrm	hypo	CHH	-0.0212
Gm18	19771730	19772720	Gmdrm	hypo	CHH	-0.0575
Gm18	19775861	19776477	Gmdrm	hypo	CHH	-0.0537
Gm18	19814470	19815451	Gmdrm	hypo	CHH	-0.027
Gm18	19815480	19816453	Gmdrm	hypo	CHH	-0.0448
Gm18	19822785	19822979	Gmdrm	hypo	CHH	-0.08
Gm18	19828668	19829630	Gmdrm	hypo	CHH	-0.0141
Gm18	19829724	19830058	Gmdrm	hypo	CHH	-0.0347
Gm18	19920599	19921599	Gmdrm	hypo	CHH	-0.0278
Gm18	19940189	19940573	Gmdrm	hypo	CHH	-0.0427

Gm18	19941002	19941999 Gmdrm	hypo	CHH	-0.0666
Gm18	19947451	19948451 Gmdrm	hypo	CHH	-0.0349
Gm18	19948457	19949453 Gmdrm	hypo	CHH	-0.0306
Gm18	19950461	19951325 Gmdrm	hypo	CHH	-0.0507
Gm18	19963676	19964676 Gmdrm	hypo	CHH	-0.0429
Gm18	20023593	20024586 Gmdrm	hypo	CHH	-0.0927
Gm18	20024636	20025636 Gmdrm	hypo	CHH	-0.1409
Gm18	20025637	20026633 Gmdrm	hypo	CHH	-0.0565
Gm18	20052772	20053767 Gmdrm	hypo	CHH	-0.0465
Gm18	20053774	20054185 Gmdrm	hypo	CHH	-0.0387
Gm18	20065180	20065824 Gmdrm	hypo	CHH	-0.0493
Gm18	20070529	20071529 Gmdrm	hypo	CHH	-0.0533
Gm18	20071531	20072499 Gmdrm	hypo	CHH	-0.0852
Gm18	20079669	20080645 Gmdrm	hypo	CHH	-0.013
Gm18	20082766	20083763 Gmdrm	hypo	CHH	-0.0459
Gm18	20134080	20135077 Gmdrm	hypo	CHH	-0.0519
Gm18	20139361	20140339 Gmdrm	hypo	CHH	-0.0155
Gm18	20141399	20142398 Gmdrm	hypo	CHH	-0.1076
Gm18	20155545	20156536 Gmdrm	hypo	CHH	-0.0346
Gm18	20159182	20160164 Gmdrm	hypo	CHH	-0.3508
Gm18	20186612	20187602 Gmdrm	hypo	CHH	-0.1005
Gm18	20187623	20188446 Gmdrm	hypo	CHH	-0.016
Gm18	20192656	20193572 Gmdrm	hypo	CHH	-0.0824
Gm18	20193664	20194662 Gmdrm	hypo	CHH	-0.0576
Gm18	20207139	20208139 Gmdrm	hypo	CHH	-0.077
Gm18	20232950	20233863 Gmdrm	hypo	CHH	-0.0916
Gm18	20239639	20240245 Gmdrm	hypo	CHH	-0.0233
Gm18	20241247	20242236 Gmdrm	hypo	CHH	-0.0212
Gm18	20244130	20245126 Gmdrm	hypo	CHH	-0.0186
Gm18	20274078	20275060 Gmdrm	hypo	CHH	-0.016
Gm18	20316767	20317396 Gmdrm	hypo	CHH	-0.0598
Gm18	20324014	20324067 Gmdrm	hypo	CHH	-0.31
Gm18	20345552	20346550 Gmdrm	hypo	CHH	-0.0805
Gm18	20347609	20348603 Gmdrm	hypo	CHH	-0.0866
Gm18	20381830	20381897 Gmdrm	hypo	CHH	-0.0817
Gm18	20383002	20384002 Gmdrm	hypo	CHH	-0.041
Gm18	20426902	20427869 Gmdrm	hypo	CHH	-0.0337
Gm18	20432262	20433243 Gmdrm	hypo	CHH	-0.0256
Gm18	20435109	20436096 Gmdrm	hypo	CHH	-0.0167
Gm18	20477855	20478844 Gmdrm	hypo	CHH	-0.0308
Gm18	20489858	20490857 Gmdrm	hypo	CHH	-0.021
Gm18	20499545	20500539 Gmdrm	hypo	CHH	-0.0954
Gm18	20509260	20510245 Gmdrm	hypo	CHH	-0.1507
Gm18	20510819	20511808 Gmdrm	hypo	CHH	-0.0313
Gm18	20511822	20512818 Gmdrm	hypo	CHH	-0.0231
Gm18	20556878	20557850 Gmdrm	hypo	CHH	-0.0222

Gm18	20557909	20558470	Gmdrm	hypo	CHH	-0.0262
Gm18	20567370	20568365	Gmdrm	hypo	CHH	-0.0574
Gm18	20731462	20732454	Gmdrm	hypo	CHH	-0.0328
Gm18	20771317	20772159	Gmdrm	hypo	CHH	-0.0337
Gm18	20784636	20785635	Gmdrm	hypo	CHH	-0.103
Gm18	20831944	20832149	Gmdrm	hypo	CHH	-0.141
Gm18	20867492	20868473	Gmdrm	hypo	CHH	-0.0395
Gm18	20868497	20869497	Gmdrm	hypo	CHH	-0.0412
Gm18	20869733	20870719	Gmdrm	hypo	CHH	-0.189
Gm18	20875757	20876745	Gmdrm	hypo	CHH	-0.1237
Gm18	20879455	20880373	Gmdrm	hypo	CHH	-0.0743
Gm18	20889171	20890169	Gmdrm	hypo	CHH	-0.0256
Gm18	20890175	20891169	Gmdrm	hypo	CHH	-0.0149
Gm18	21043064	21043343	Gmdrm	hypo	CHH	-0.044
Gm18	21070293	21071213	Gmdrm	hypo	CHH	-0.0596
Gm18	21071309	21072308	Gmdrm	hypo	CHH	-0.0179
Gm18	21076378	21077378	Gmdrm	hypo	CHH	-0.015
Gm18	21088880	21089224	Gmdrm	hypo	CHH	-0.2529
Gm18	21118635	21118832	Gmdrm	hypo	CHH	-0.022
Gm18	21164018	21165001	Gmdrm	hypo	CHH	-0.0923
Gm18	21166040	21167031	Gmdrm	hypo	CHH	-0.0711
Gm18	21291397	21292349	Gmdrm	hypo	CHH	-0.0222
Gm18	21309702	21310693	Gmdrm	hypo	CHH	-0.039
Gm18	21312762	21313465	Gmdrm	hypo	CHH	-0.0253
Gm18	21318914	21319575	Gmdrm	hypo	CHH	-0.0439
Gm18	21320475	21321065	Gmdrm	hypo	CHH	-0.0233
Gm18	21326458	21327454	Gmdrm	hypo	CHH	-0.0327
Gm18	21327468	21328445	Gmdrm	hypo	CHH	-0.0137
Gm18	21329522	21330520	Gmdrm	hypo	CHH	-0.061
Gm18	21389169	21390167	Gmdrm	hypo	CHH	-0.0449
Gm18	21390173	21391172	Gmdrm	hypo	CHH	-0.0367
Gm18	21414630	21415612	Gmdrm	hypo	CHH	-0.0198
Gm18	21421610	21422599	Gmdrm	hypo	CHH	-0.0576
Gm18	21457946	21458938	Gmdrm	hypo	CHH	-0.1695
Gm18	21458958	21459950	Gmdrm	hypo	CHH	-0.0781
Gm18	21459959	21460941	Gmdrm	hypo	CHH	-0.048
Gm18	21463876	21464873	Gmdrm	hypo	CHH	-0.0421
Gm18	21464885	21465489	Gmdrm	hypo	CHH	-0.1133
Gm18	21466775	21467753	Gmdrm	hypo	CHH	-0.0274
Gm18	21467803	21468803	Gmdrm	hypo	CHH	-0.0286
Gm18	21561824	21562824	Gmdrm	hypo	CHH	-0.0648
Gm18	21703402	21704398	Gmdrm	hypo	CHH	-0.0685
Gm18	21845050	21845573	Gmdrm	hypo	CHH	-0.0202
Gm18	21849928	21850916	Gmdrm	hypo	CHH	-0.056
Gm18	21852999	21853925	Gmdrm	hypo	CHH	-0.0366
Gm18	21856264	21857225	Gmdrm	hypo	CHH	-0.0146

Gm18	21863395	21864362	Gmdrm	hypo	CHH	-0.0413
Gm18	21865841	21866840	Gmdrm	hypo	CHH	-0.022
Gm18	21866847	21867846	Gmdrm	hypo	CHH	-0.0486
Gm18	21871771	21872770	Gmdrm	hypo	CHH	-0.0625
Gm18	21872775	21873774	Gmdrm	hypo	CHH	-0.0245
Gm18	21873802	21874782	Gmdrm	hypo	CHH	-0.0223
Gm18	21876369	21877341	Gmdrm	hypo	CHH	-0.0482
Gm18	21974027	21975010	Gmdrm	hypo	CHH	-0.0743
Gm18	21987230	21988048	Gmdrm	hypo	CHH	-0.102
Gm18	21999400	22000399	Gmdrm	hypo	CHH	-0.0378
Gm18	22001413	22002410	Gmdrm	hypo	CHH	-0.0248
Gm18	22007606	22008131	Gmdrm	hypo	CHH	-0.1075
Gm18	22023282	22024278	Gmdrm	hypo	CHH	-0.0268
Gm18	22026588	22026936	Gmdrm	hypo	CHH	-0.0575
Gm18	22027619	22028603	Gmdrm	hypo	CHH	-0.0202
Gm18	22028648	22029641	Gmdrm	hypo	CHH	-0.0181
Gm18	22069870	22070859	Gmdrm	hypo	CHH	-0.0723
Gm18	22388541	22389540	Gmdrm	hypo	CHH	-0.0196
Gm18	22390588	22391588	Gmdrm	hypo	CHH	-0.0407
Gm18	22409038	22409214	Gmdrm	hypo	CHH	-0.045
Gm18	22416302	22417300	Gmdrm	hypo	CHH	-0.0153
Gm18	22435033	22435500	Gmdrm	hypo	CHH	-0.025
Gm18	22492844	22493842	Gmdrm	hypo	CHH	-0.047
Gm18	22501057	22502056	Gmdrm	hypo	CHH	-0.0722
Gm18	22550631	22551520	Gmdrm	hypo	CHH	-0.0174
Gm18	22597447	22598430	Gmdrm	hypo	CHH	-0.0446
Gm18	22598462	22599422	Gmdrm	hypo	CHH	-0.0269
Gm18	22650776	22651763	Gmdrm	hypo	CHH	-0.035
Gm18	22656763	22657727	Gmdrm	hypo	CHH	-0.05
Gm18	22664033	22665033	Gmdrm	hypo	CHH	-0.0436
Gm18	22665040	22665821	Gmdrm	hypo	CHH	-0.052
Gm18	22665924	22666902	Gmdrm	hypo	CHH	-0.0401
Gm18	22667209	22668196	Gmdrm	hypo	CHH	-0.0347
Gm18	22673271	22674269	Gmdrm	hypo	CHH	-0.0544
Gm18	22741931	22742928	Gmdrm	hypo	CHH	-0.0471
Gm18	22742934	22743900	Gmdrm	hypo	CHH	-0.0618
Gm18	22854282	22855032	Gmdrm	hypo	CHH	-0.0373
Gm18	22861844	22862835	Gmdrm	hypo	CHH	-0.0429
Gm18	22895028	22896026	Gmdrm	hypo	CHH	-0.0302
Gm18	22912926	22913744	Gmdrm	hypo	CHH	-0.073
Gm18	22913850	22914751	Gmdrm	hypo	CHH	-0.1667
Gm18	22917999	22918996	Gmdrm	hypo	CHH	-0.1299
Gm18	22919007	22919475	Gmdrm	hypo	CHH	-0.0879
Gm18	22919713	22920711	Gmdrm	hypo	CHH	-0.0881
Gm18	22921447	22922433	Gmdrm	hypo	CHH	-0.0338
Gm18	22944134	22944998	Gmdrm	hypo	CHH	-0.0352

Gm18	22946199	22947198	Gmdrm	hypo	CHH	-0.0638
Gm18	22969581	22969719	Gmdrm	hypo	CHH	-0.114
Gm18	22987477	22988475	Gmdrm	hypo	CHH	-0.0838
Gm18	23083355	23084350	Gmdrm	hypo	CHH	-0.0377
Gm18	23084862	23085847	Gmdrm	hypo	CHH	-0.0167
Gm18	23085868	23086868	Gmdrm	hypo	CHH	-0.0388
Gm18	23189854	23190842	Gmdrm	hypo	CHH	-0.0273
Gm18	23295775	23296750	Gmdrm	hypo	CHH	-0.0193
Gm18	23301124	23302113	Gmdrm	hypo	CHH	-0.023
Gm18	23303668	23304663	Gmdrm	hypo	CHH	-0.0441
Gm18	23325005	23325984	Gmdrm	hypo	CHH	-0.02
Gm18	23334124	23335116	Gmdrm	hypo	CHH	-0.0189
Gm18	23339153	23340140	Gmdrm	hypo	CHH	-0.0518
Gm18	23349960	23350925	Gmdrm	hypo	CHH	-0.0361
Gm18	23380745	23381738	Gmdrm	hypo	CHH	-0.0646
Gm18	23388138	23389130	Gmdrm	hypo	CHH	-0.0968
Gm18	23423593	23424593	Gmdrm	hypo	CHH	-0.1704
Gm18	23424594	23425080	Gmdrm	hypo	CHH	-0.0674
Gm18	23462672	23463670	Gmdrm	hypo	CHH	-0.0942
Gm18	23464466	23465002	Gmdrm	hypo	CHH	-0.0759
Gm18	23470227	23471207	Gmdrm	hypo	CHH	-0.0145
Gm18	23492050	23493048	Gmdrm	hypo	CHH	-0.0367
Gm18	23497533	23498528	Gmdrm	hypo	CHH	-0.0598
Gm18	23498538	23499538	Gmdrm	hypo	CHH	-0.03
Gm18	23499542	23500518	Gmdrm	hypo	CHH	-0.0365
Gm18	23500544	23501540	Gmdrm	hypo	CHH	-0.0529
Gm18	23502554	23503549	Gmdrm	hypo	CHH	-0.0509
Gm18	23503845	23504799	Gmdrm	hypo	CHH	-0.0153
Gm18	23504856	23505852	Gmdrm	hypo	CHH	-0.0159
Gm18	23505862	23506626	Gmdrm	hypo	CHH	-0.0499
Gm18	23543090	23544089	Gmdrm	hypo	CHH	-0.0284
Gm18	23550129	23550566	Gmdrm	hypo	CHH	-0.0396
Gm18	23568919	23569911	Gmdrm	hypo	CHH	-0.0617
Gm18	23573578	23574546	Gmdrm	hypo	CHH	-0.0234
Gm18	23574651	23575567	Gmdrm	hypo	CHH	-0.0198
Gm18	23601876	23602846	Gmdrm	hypo	CHH	-0.0311
Gm18	23603881	23604380	Gmdrm	hypo	CHH	-0.087
Gm18	23606613	23607597	Gmdrm	hypo	CHH	-0.1017
Gm18	23607618	23608291	Gmdrm	hypo	CHH	-0.0215
Gm18	23609403	23610400	Gmdrm	hypo	CHH	-0.0548
Gm18	23635564	23636563	Gmdrm	hypo	CHH	-0.0139
Gm18	23639317	23640317	Gmdrm	hypo	CHH	-0.0378
Gm18	23678177	23679153	Gmdrm	hypo	CHH	-0.0168
Gm18	23745643	23746637	Gmdrm	hypo	CHH	-0.0218
Gm18	23762948	23763947	Gmdrm	hypo	CHH	-0.0585
Gm18	23764567	23765038	Gmdrm	hypo	CHH	-0.1435

Gm18	23765838	23766804	Gmdrm	hypo	CHH	-0.0705
Gm18	23852669	23852992	Gmdrm	hypo	CHH	-0.173
Gm18	24030416	24030652	Gmdrm	hypo	CHH	-0.0857
Gm18	24084983	24085983	Gmdrm	hypo	CHH	-0.0367
Gm18	24086004	24086996	Gmdrm	hypo	CHH	-0.0135
Gm18	24087021	24088021	Gmdrm	hypo	CHH	-0.0493
Gm18	24128790	24128883	Gmdrm	hypo	CHH	-0.1663
Gm18	24179228	24180128	Gmdrm	hypo	CHH	-0.0416
Gm18	24279480	24280344	Gmdrm	hypo	CHH	-0.2692
Gm18	24294564	24295128	Gmdrm	hypo	CHH	-0.0797
Gm18	24298313	24299208	Gmdrm	hypo	CHH	-0.021
Gm18	24397243	24397262	Gmdrm	hypo	CHH	-0.1
Gm18	24464899	24465865	Gmdrm	hypo	CHH	-0.0384
Gm18	24559757	24560754	Gmdrm	hypo	CHH	-0.0223
Gm18	24668271	24668352	Gmdrm	hypo	CHH	-0.0717
Gm18	24687499	24688498	Gmdrm	hypo	CHH	-0.077
Gm18	24771938	24772936	Gmdrm	hypo	CHH	-0.0696
Gm18	24775486	24776254	Gmdrm	hypo	CHH	-0.0184
Gm18	24781912	24782909	Gmdrm	hypo	CHH	-0.084
Gm18	24827446	24828197	Gmdrm	hypo	CHH	-0.0157
Gm18	24832293	24833275	Gmdrm	hypo	CHH	-0.0272
Gm18	24837867	24838042	Gmdrm	hypo	CHH	-0.0427
Gm18	24859312	24860299	Gmdrm	hypo	CHH	-0.1253
Gm18	24860315	24861290	Gmdrm	hypo	CHH	-0.0982
Gm18	24873048	24874045	Gmdrm	hypo	CHH	-0.1027
Gm18	24878103	24879088	Gmdrm	hypo	CHH	-0.08
Gm18	24879110	24880104	Gmdrm	hypo	CHH	-0.0345
Gm18	24920006	24920557	Gmdrm	hypo	CHH	-0.0507
Gm18	24925893	24926873	Gmdrm	hypo	CHH	-0.06
Gm18	24929448	24930443	Gmdrm	hypo	CHH	-0.096
Gm18	24934330	24935327	Gmdrm	hypo	CHH	-0.0989
Gm18	24935332	24936308	Gmdrm	hypo	CHH	-0.0613
Gm18	24941771	24942767	Gmdrm	hypo	CHH	-0.0453
Gm18	24986412	24986584	Gmdrm	hypo	CHH	-0.16
Gm18	25015329	25016319	Gmdrm	hypo	CHH	-0.0859
Gm18	25016337	25017327	Gmdrm	hypo	CHH	-0.0453
Gm18	25019456	25019887	Gmdrm	hypo	CHH	-0.0425
Gm18	25024484	25025479	Gmdrm	hypo	CHH	-0.0302
Gm18	25109308	25110306	Gmdrm	hypo	CHH	-0.0224
Gm18	25125241	25125295	Gmdrm	hypo	CHH	-0.1628
Gm18	25196457	25197453	Gmdrm	hypo	CHH	-0.0302
Gm18	25236628	25237219	Gmdrm	hypo	CHH	-0.0507
Gm18	25254848	25255075	Gmdrm	hypo	CHH	-0.0226
Gm18	25259771	25260759	Gmdrm	hypo	CHH	-0.245
Gm18	25262148	25263135	Gmdrm	hypo	CHH	-0.0878
Gm18	25264182	25265164	Gmdrm	hypo	CHH	-0.0187

Gm18	25268544	25269525	Gmdrm	hypo	CHH	-0.0618
Gm18	25269564	25270458	Gmdrm	hypo	CHH	-0.0198
Gm18	25270564	25271564	Gmdrm	hypo	CHH	-0.0235
Gm18	25275084	25275534	Gmdrm	hypo	CHH	-0.0736
Gm18	25275673	25276668	Gmdrm	hypo	CHH	-0.1851
Gm18	25358536	25358682	Gmdrm	hypo	CHH	-0.0943
Gm18	25359718	25360703	Gmdrm	hypo	CHH	-0.0455
Gm18	25405924	25406764	Gmdrm	hypo	CHH	-0.1734
Gm18	25407922	25408903	Gmdrm	hypo	CHH	-0.0155
Gm18	25655390	25656390	Gmdrm	hypo	CHH	-0.0508
Gm18	25674451	25674656	Gmdrm	hypo	CHH	-0.0415
Gm18	25677121	25678117	Gmdrm	hypo	CHH	-0.0193
Gm18	25678130	25679129	Gmdrm	hypo	CHH	-0.061
Gm18	25808625	25808870	Gmdrm	hypo	CHH	-0.0372
Gm18	25809496	25810487	Gmdrm	hypo	CHH	-0.0409
Gm18	25816523	25817519	Gmdrm	hypo	CHH	-0.0807
Gm18	25869220	25869463	Gmdrm	hypo	CHH	-0.1221
Gm18	25927827	25928821	Gmdrm	hypo	CHH	-0.0475
Gm18	25931894	25932886	Gmdrm	hypo	CHH	-0.0331
Gm18	25935413	25936404	Gmdrm	hypo	CHH	-0.025
Gm18	25936441	25937441	Gmdrm	hypo	CHH	-0.0286
Gm18	25941973	25942972	Gmdrm	hypo	CHH	-0.0155
Gm18	26239345	26239424	Gmdrm	hypo	CHH	-0.1282
Gm18	26285768	26286282	Gmdrm	hypo	CHH	-0.0613
Gm18	26378848	26379845	Gmdrm	hypo	CHH	-0.0371
Gm18	26379858	26380854	Gmdrm	hypo	CHH	-0.0189
Gm18	26390751	26390800	Gmdrm	hypo	CHH	-0.15
Gm18	26730343	26730686	Gmdrm	hypo	CHH	-0.1032
Gm18	26884485	26885485	Gmdrm	hypo	CHH	-0.0473
Gm18	26890786	26891718	Gmdrm	hypo	CHH	-0.1661
Gm18	26907759	26908752	Gmdrm	hypo	CHH	-0.1903
Gm18	26918937	26919882	Gmdrm	hypo	CHH	-0.0281
Gm18	26936030	26937021	Gmdrm	hypo	CHH	-0.0281
Gm18	27073158	27074128	Gmdrm	hypo	CHH	-0.0854
Gm18	27090930	27091927	Gmdrm	hypo	CHH	-0.0526
Gm18	27121034	27122001	Gmdrm	hypo	CHH	-0.0286
Gm18	27123071	27124033	Gmdrm	hypo	CHH	-0.0292
Gm18	27129337	27129930	Gmdrm	hypo	CHH	-0.0479
Gm18	27152006	27152996	Gmdrm	hypo	CHH	-0.0885
Gm18	27186103	27186332	Gmdrm	hypo	CHH	-0.1993
Gm18	27244334	27245330	Gmdrm	hypo	CHH	-0.1106
Gm18	27245895	27246895	Gmdrm	hypo	CHH	-0.1414
Gm18	27246896	27247889	Gmdrm	hypo	CHH	-0.0717
Gm18	27258264	27259252	Gmdrm	hypo	CHH	-0.0626
Gm18	27259313	27260302	Gmdrm	hypo	CHH	-0.0323
Gm18	27270590	27271586	Gmdrm	hypo	CHH	-0.069

Gm18	27470663	27471141	Gmdrm	hypo	CHH	-0.0861
Gm18	27493640	27493873	Gmdrm	hypo	CHH	-0.0667
Gm18	27605965	27606929	Gmdrm	hypo	CHH	-0.0567
Gm18	27621731	27622543	Gmdrm	hypo	CHH	-0.0535
Gm18	27642040	27643014	Gmdrm	hypo	CHH	-0.0396
Gm18	27812579	27813043	Gmdrm	hypo	CHH	-0.0209
Gm18	27853087	27854086	Gmdrm	hypo	CHH	-0.0475
Gm18	27867402	27867553	Gmdrm	hypo	CHH	-0.3064
Gm18	27910687	27911682	Gmdrm	hypo	CHH	-0.0361
Gm18	27939571	27940568	Gmdrm	hypo	CHH	-0.0543
Gm18	28069388	28069789	Gmdrm	hypo	CHH	-0.0637
Gm18	28101338	28102335	Gmdrm	hypo	CHH	-0.0502
Gm18	28102339	28102658	Gmdrm	hypo	CHH	-0.0593
Gm18	28102909	28103700	Gmdrm	hypo	CHH	-0.1044
Gm18	28105062	28106045	Gmdrm	hypo	CHH	-0.0338
Gm18	28128833	28129829	Gmdrm	hypo	CHH	-0.042
Gm18	28148403	28149401	Gmdrm	hypo	CHH	-0.0125
Gm18	28303328	28304326	Gmdrm	hypo	CHH	-0.0186
Gm18	28330750	28331457	Gmdrm	hypo	CHH	-0.0245
Gm18	28384409	28385408	Gmdrm	hypo	CHH	-0.0395
Gm18	28389270	28390264	Gmdrm	hypo	CHH	-0.0192
Gm18	28390276	28391031	Gmdrm	hypo	CHH	-0.0255
Gm18	28427611	28428226	Gmdrm	hypo	CHH	-0.0335
Gm18	28428375	28429136	Gmdrm	hypo	CHH	-0.0206
Gm18	28430256	28431256	Gmdrm	hypo	CHH	-0.0213
Gm18	28566674	28567672	Gmdrm	hypo	CHH	-0.0538
Gm18	28567680	28568522	Gmdrm	hypo	CHH	-0.0814
Gm18	28570711	28571208	Gmdrm	hypo	CHH	-0.0459
Gm18	28571376	28572370	Gmdrm	hypo	CHH	-0.049
Gm18	28574403	28575399	Gmdrm	hypo	CHH	-0.0329
Gm18	28575417	28576417	Gmdrm	hypo	CHH	-0.0495
Gm18	28677659	28678635	Gmdrm	hypo	CHH	-0.0293
Gm18	28678673	28679329	Gmdrm	hypo	CHH	-0.2061
Gm18	28684063	28684115	Gmdrm	hypo	CHH	-0.06
Gm18	28698168	28698312	Gmdrm	hypo	CHH	-0.078
Gm18	28700352	28701348	Gmdrm	hypo	CHH	-0.1626
Gm18	28701353	28702338	Gmdrm	hypo	CHH	-0.1889
Gm18	28702388	28703370	Gmdrm	hypo	CHH	-0.0205
Gm18	28771031	28772023	Gmdrm	hypo	CHH	-0.1993
Gm18	28906895	28907894	Gmdrm	hypo	CHH	-0.1027
Gm18	28918786	28919761	Gmdrm	hypo	CHH	-0.1495
Gm18	28928953	28929953	Gmdrm	hypo	CHH	-0.0378
Gm18	28996652	28997652	Gmdrm	hypo	CHH	-0.1429
Gm18	29137224	29138223	Gmdrm	hypo	CHH	-0.016
Gm18	29268244	29268926	Gmdrm	hypo	CHH	-0.0305
Gm18	29273891	29274873	Gmdrm	hypo	CHH	-0.0365

Gm18	29277917	29278903	Gmdrm	hypo	CHH	-0.09
Gm18	29280991	29281990	Gmdrm	hypo	CHH	-0.0631
Gm18	29287537	29288527	Gmdrm	hypo	CHH	-0.1034
Gm18	29288547	29289535	Gmdrm	hypo	CHH	-0.0287
Gm18	29291187	29292067	Gmdrm	hypo	CHH	-0.04
Gm18	29321018	29321273	Gmdrm	hypo	CHH	-0.0304
Gm18	29382422	29383329	Gmdrm	hypo	CHH	-0.0202
Gm18	29385415	29386340	Gmdrm	hypo	CHH	-0.0824
Gm18	29386539	29387067	Gmdrm	hypo	CHH	-0.0591
Gm18	29396426	29397422	Gmdrm	hypo	CHH	-0.0444
Gm18	29407489	29408480	Gmdrm	hypo	CHH	-0.0506
Gm18	29409556	29410550	Gmdrm	hypo	CHH	-0.0269
Gm18	29410561	29411561	Gmdrm	hypo	CHH	-0.0733
Gm18	29411569	29412236	Gmdrm	hypo	CHH	-0.0652
Gm18	29416307	29417304	Gmdrm	hypo	CHH	-0.076
Gm18	29611725	29612718	Gmdrm	hypo	CHH	-0.0277
Gm18	29670856	29671848	Gmdrm	hypo	CHH	-0.0269
Gm18	29687478	29688466	Gmdrm	hypo	CHH	-0.0141
Gm18	29733110	29733222	Gmdrm	hypo	CHH	-0.1311
Gm18	30050597	30051597	Gmdrm	hypo	CHH	-0.0505
Gm18	30051607	30052564	Gmdrm	hypo	CHH	-0.0496
Gm18	30053664	30054640	Gmdrm	hypo	CHH	-0.0458
Gm18	30077673	30077689	Gmdrm	hypo	CHH	-0.128
Gm18	30089475	30090471	Gmdrm	hypo	CHH	-0.0609
Gm18	30090896	30091725	Gmdrm	hypo	CHH	-0.0539
Gm18	30094653	30095635	Gmdrm	hypo	CHH	-0.0527
Gm18	30113457	30114456	Gmdrm	hypo	CHH	-0.1223
Gm18	30123248	30124230	Gmdrm	hypo	CHH	-0.0282
Gm18	30132568	30133568	Gmdrm	hypo	CHH	-0.0334
Gm18	30209042	30209123	Gmdrm	hypo	CHH	-0.12
Gm18	30438948	30438992	Gmdrm	hypo	CHH	-0.2223
Gm18	30582929	30583321	Gmdrm	hypo	CHH	-0.0913
Gm18	30590952	30591933	Gmdrm	hypo	CHH	-0.0335
Gm18	30591958	30592950	Gmdrm	hypo	CHH	-0.1661
Gm18	30640012	30640216	Gmdrm	hypo	CHH	-0.0425
Gm18	30689924	30689985	Gmdrm	hypo	CHH	-0.1382
Gm18	30713867	30713948	Gmdrm	hypo	CHH	-0.148
Gm18	30961960	30962263	Gmdrm	hypo	CHH	-0.1645
Gm18	31088176	31089148	Gmdrm	hypo	CHH	-0.0171
Gm18	31090423	31091049	Gmdrm	hypo	CHH	-0.1453
Gm18	31107993	31108928	Gmdrm	hypo	CHH	-0.039
Gm18	31109030	31109599	Gmdrm	hypo	CHH	-0.0289
Gm18	31111750	31111967	Gmdrm	hypo	CHH	-0.0283
Gm18	31116044	31116323	Gmdrm	hypo	CHH	-0.069
Gm18	31118483	31119480	Gmdrm	hypo	CHH	-0.035
Gm18	31420723	31421708	Gmdrm	hypo	CHH	-0.0231

Gm18	31450993	31451642	Gmdrm	hypo	CHH	-0.0356
Gm18	31503361	31504348	Gmdrm	hypo	CHH	-0.0374
Gm18	31504371	31505368	Gmdrm	hypo	CHH	-0.0427
Gm18	31564849	31564921	Gmdrm	hypo	CHH	-0.0717
Gm18	31598685	31599674	Gmdrm	hypo	CHH	-0.0142
Gm18	31604552	31605547	Gmdrm	hypo	CHH	-0.0803
Gm18	31607590	31607839	Gmdrm	hypo	CHH	-0.0269
Gm18	31751422	31751455	Gmdrm	hypo	CHH	-0.16
Gm18	31841584	31841669	Gmdrm	hypo	CHH	-0.0678
Gm18	31949239	31950228	Gmdrm	hypo	CHH	-0.035
Gm18	31950253	31950456	Gmdrm	hypo	CHH	-0.0869
Gm18	32249253	32250231	Gmdrm	hypo	CHH	-0.03
Gm18	32250262	32250612	Gmdrm	hypo	CHH	-0.028
Gm18	32544955	32544984	Gmdrm	hypo	CHH	-0.315
Gm18	32604124	32605123	Gmdrm	hypo	CHH	-0.0172
Gm18	32608508	32609505	Gmdrm	hypo	CHH	-0.0698
Gm18	32609831	32610787	Gmdrm	hypo	CHH	-0.0188
Gm18	32798409	32799401	Gmdrm	hypo	CHH	-0.0309
Gm18	32876601	32876656	Gmdrm	hypo	CHH	-0.1675
Gm18	33044104	33044258	Gmdrm	hypo	CHH	-0.135
Gm18	33193851	33194727	Gmdrm	hypo	CHH	-0.0227
Gm18	33197188	33198188	Gmdrm	hypo	CHH	-0.026
Gm18	33199417	33200408	Gmdrm	hypo	CHH	-0.0266
Gm18	33205450	33206408	Gmdrm	hypo	CHH	-0.0339
Gm18	33208482	33209333	Gmdrm	hypo	CHH	-0.0556
Gm18	33238496	33239489	Gmdrm	hypo	CHH	-0.0309
Gm18	33247051	33248049	Gmdrm	hypo	CHH	-0.1041
Gm18	33268991	33269935	Gmdrm	hypo	CHH	-0.0242
Gm18	33282877	33283877	Gmdrm	hypo	CHH	-0.1601
Gm18	33306031	33306309	Gmdrm	hypo	CHH	-0.1132
Gm18	33326496	33327259	Gmdrm	hypo	CHH	-0.0535
Gm18	33327676	33328294	Gmdrm	hypo	CHH	-0.0551
Gm18	33337602	33337716	Gmdrm	hypo	CHH	-0.0637
Gm18	33356711	33357664	Gmdrm	hypo	CHH	-0.0301
Gm18	33358982	33359043	Gmdrm	hypo	CHH	-0.152
Gm18	33368225	33368574	Gmdrm	hypo	CHH	-0.0734
Gm18	33579909	33579960	Gmdrm	hypo	CHH	-0.072
Gm18	33652102	33652769	Gmdrm	hypo	CHH	-0.078
Gm18	33690591	33690718	Gmdrm	hypo	CHH	-0.1617
Gm18	33721856	33722855	Gmdrm	hypo	CHH	-0.0429
Gm18	33728276	33728784	Gmdrm	hypo	CHH	-0.0679
Gm18	33735084	33735645	Gmdrm	hypo	CHH	-0.076
Gm18	33738303	33739302	Gmdrm	hypo	CHH	-0.0506
Gm18	33739314	33740313	Gmdrm	hypo	CHH	-0.0366
Gm18	33740319	33740392	Gmdrm	hypo	CHH	-0.0733
Gm18	33740539	33741535	Gmdrm	hypo	CHH	-0.0332

Gm18	33742548	33743548	Gmdrm	hypo	CHH	-0.0214
Gm18	33743558	33744531	Gmdrm	hypo	CHH	-0.0288
Gm18	33744584	33745583	Gmdrm	hypo	CHH	-0.0272
Gm18	33746214	33747189	Gmdrm	hypo	CHH	-0.0712
Gm18	33747502	33748492	Gmdrm	hypo	CHH	-0.0615
Gm18	33748953	33749427	Gmdrm	hypo	CHH	-0.0823
Gm18	33753269	33754120	Gmdrm	hypo	CHH	-0.0796
Gm18	33762780	33763772	Gmdrm	hypo	CHH	-0.0568
Gm18	33763781	33764770	Gmdrm	hypo	CHH	-0.0556
Gm18	33769521	33769839	Gmdrm	hypo	CHH	-0.11
Gm18	33798307	33799290	Gmdrm	hypo	CHH	-0.0279
Gm18	33799314	33800314	Gmdrm	hypo	CHH	-0.0811
Gm18	33801361	33802327	Gmdrm	hypo	CHH	-0.0499
Gm18	33802367	33803352	Gmdrm	hypo	CHH	-0.0563
Gm18	33803378	33804377	Gmdrm	hypo	CHH	-0.0508
Gm18	33804383	33805381	Gmdrm	hypo	CHH	-0.0284
Gm18	33806554	33807544	Gmdrm	hypo	CHH	-0.0417
Gm18	33810795	33811032	Gmdrm	hypo	CHH	-0.0765
Gm18	33811293	33812262	Gmdrm	hypo	CHH	-0.0494
Gm18	33812346	33813343	Gmdrm	hypo	CHH	-0.0404
Gm18	33816502	33817482	Gmdrm	hypo	CHH	-0.0291
Gm18	33817519	33818513	Gmdrm	hypo	CHH	-0.0287
Gm18	33820537	33821531	Gmdrm	hypo	CHH	-0.0631
Gm18	33826333	33827312	Gmdrm	hypo	CHH	-0.0307
Gm18	33827347	33828345	Gmdrm	hypo	CHH	-0.0667
Gm18	33828353	33829347	Gmdrm	hypo	CHH	-0.0649
Gm18	33829354	33830353	Gmdrm	hypo	CHH	-0.0413
Gm18	33838812	33839128	Gmdrm	hypo	CHH	-0.0283
Gm18	33905969	33906935	Gmdrm	hypo	CHH	-0.0329
Gm18	33908642	33909631	Gmdrm	hypo	CHH	-0.028
Gm18	33911624	33912618	Gmdrm	hypo	CHH	-0.0461
Gm18	33912627	33913625	Gmdrm	hypo	CHH	-0.051
Gm18	33913629	33914627	Gmdrm	hypo	CHH	-0.0485
Gm18	33914637	33915631	Gmdrm	hypo	CHH	-0.029
Gm18	33916657	33917651	Gmdrm	hypo	CHH	-0.0372
Gm18	33919664	33920661	Gmdrm	hypo	CHH	-0.024
Gm18	33921679	33922679	Gmdrm	hypo	CHH	-0.0656
Gm18	33925700	33926697	Gmdrm	hypo	CHH	-0.0259
Gm18	33926707	33927701	Gmdrm	hypo	CHH	-0.045
Gm18	33950585	33951581	Gmdrm	hypo	CHH	-0.0496
Gm18	33973484	33974461	Gmdrm	hypo	CHH	-0.0389
Gm18	33976849	33977828	Gmdrm	hypo	CHH	-0.0739
Gm18	34013160	34014099	Gmdrm	hypo	CHH	-0.0385
Gm18	34017701	34018693	Gmdrm	hypo	CHH	-0.0621
Gm18	34173453	34174413	Gmdrm	hypo	CHH	-0.0519
Gm18	34265632	34266632	Gmdrm	hypo	CHH	-0.035

Gm18	34271396	34272378	Gmdrm	hypo	CHH	-0.0933
Gm18	34487704	34488703	Gmdrm	hypo	CHH	-0.0291
Gm18	34489708	34490699	Gmdrm	hypo	CHH	-0.1007
Gm18	34500402	34501395	Gmdrm	hypo	CHH	-0.0132
Gm18	34502430	34503430	Gmdrm	hypo	CHH	-0.0209
Gm18	34535321	34535413	Gmdrm	hypo	CHH	-0.07
Gm18	34535521	34536512	Gmdrm	hypo	CHH	-0.0228
Gm18	34536531	34537527	Gmdrm	hypo	CHH	-0.0413
Gm18	34537533	34537810	Gmdrm	hypo	CHH	-0.0396
Gm18	34540132	34541125	Gmdrm	hypo	CHH	-0.0829
Gm18	34591825	34592453	Gmdrm	hypo	CHH	-0.0754
Gm18	34705617	34706613	Gmdrm	hypo	CHH	-0.0765
Gm18	34715979	34716943	Gmdrm	hypo	CHH	-0.105
Gm18	34826238	34827224	Gmdrm	hypo	CHH	-0.0411
Gm18	34830435	34831404	Gmdrm	hypo	CHH	-0.0159
Gm18	34832083	34833074	Gmdrm	hypo	CHH	-0.0136
Gm18	34865562	34866474	Gmdrm	hypo	CHH	-0.0349
Gm18	34937783	34938446	Gmdrm	hypo	CHH	-0.0962
Gm18	34949719	34950713	Gmdrm	hypo	CHH	-0.029
Gm18	35028097	35029090	Gmdrm	hypo	CHH	-0.0279
Gm18	35086883	35087872	Gmdrm	hypo	CHH	-0.1027
Gm18	35087884	35088866	Gmdrm	hypo	CHH	-0.096
Gm18	35114651	35115646	Gmdrm	hypo	CHH	-0.1493
Gm18	35115652	35116643	Gmdrm	hypo	CHH	-0.0449
Gm18	35118826	35119808	Gmdrm	hypo	CHH	-0.1065
Gm18	35135118	35136107	Gmdrm	hypo	CHH	-0.0793
Gm18	35168733	35169570	Gmdrm	hypo	CHH	-0.0216
Gm18	35195487	35196481	Gmdrm	hypo	CHH	-0.0276
Gm18	35208732	35209709	Gmdrm	hypo	CHH	-0.0737
Gm18	35210451	35210791	Gmdrm	hypo	CHH	-0.0278
Gm18	35215483	35216470	Gmdrm	hypo	CHH	-0.083
Gm18	35238892	35239869	Gmdrm	hypo	CHH	-0.0583
Gm18	35279977	35280126	Gmdrm	hypo	CHH	-0.112
Gm18	35280693	35281676	Gmdrm	hypo	CHH	-0.0164
Gm18	35281705	35282702	Gmdrm	hypo	CHH	-0.0535
Gm18	35334912	35335909	Gmdrm	hypo	CHH	-0.055
Gm18	35335917	35336916	Gmdrm	hypo	CHH	-0.1052
Gm18	35336918	35337561	Gmdrm	hypo	CHH	-0.0699
Gm18	35349243	35350228	Gmdrm	hypo	CHH	-0.0844
Gm18	35379444	35379549	Gmdrm	hypo	CHH	-0.237
Gm18	35445616	35446616	Gmdrm	hypo	CHH	-0.0172
Gm18	35466069	35467028	Gmdrm	hypo	CHH	-0.0827
Gm18	35494975	35495960	Gmdrm	hypo	CHH	-0.1166
Gm18	35495982	35496961	Gmdrm	hypo	CHH	-0.1063
Gm18	35514996	35515043	Gmdrm	hypo	CHH	-0.11
Gm18	35977146	35977261	Gmdrm	hypo	CHH	-0.045

Gm18	35989474	35990466	Gmdrm	hypo	CHH	-0.0923
Gm18	35990477	35991477	Gmdrm	hypo	CHH	-0.0553
Gm18	36080916	36081915	Gmdrm	hypo	CHH	-0.0297
Gm18	36092913	36093908	Gmdrm	hypo	CHH	-0.032
Gm18	36122583	36123582	Gmdrm	hypo	CHH	-0.0545
Gm18	36129887	36130879	Gmdrm	hypo	CHH	-0.032
Gm18	36132962	36133957	Gmdrm	hypo	CHH	-0.0362
Gm18	36134004	36134999	Gmdrm	hypo	CHH	-0.1501
Gm18	36135011	36136010	Gmdrm	hypo	CHH	-0.0274
Gm18	36136017	36137014	Gmdrm	hypo	CHH	-0.1394
Gm18	36137023	36137977	Gmdrm	hypo	CHH	-0.0714
Gm18	36138041	36139035	Gmdrm	hypo	CHH	-0.2141
Gm18	36139043	36140034	Gmdrm	hypo	CHH	-0.0598
Gm18	36174467	36174481	Gmdrm	hypo	CHH	-0.2284
Gm18	36185779	36186513	Gmdrm	hypo	CHH	-0.0189
Gm18	36189971	36190966	Gmdrm	hypo	CHH	-0.0149
Gm18	36190992	36191990	Gmdrm	hypo	CHH	-0.0571
Gm18	36192009	36192999	Gmdrm	hypo	CHH	-0.0563
Gm18	36193024	36194012	Gmdrm	hypo	CHH	-0.106
Gm18	36194038	36195035	Gmdrm	hypo	CHH	-0.1904
Gm18	36225761	36226760	Gmdrm	hypo	CHH	-0.043
Gm18	36226764	36226983	Gmdrm	hypo	CHH	-0.0495
Gm18	36227104	36228093	Gmdrm	hypo	CHH	-0.0304
Gm18	36237043	36238036	Gmdrm	hypo	CHH	-0.0465
Gm18	36248527	36249353	Gmdrm	hypo	CHH	-0.0232
Gm18	36252345	36253310	Gmdrm	hypo	CHH	-0.019
Gm18	36254157	36255157	Gmdrm	hypo	CHH	-0.0173
Gm18	36255165	36256155	Gmdrm	hypo	CHH	-0.063
Gm18	36327277	36328270	Gmdrm	hypo	CHH	-0.0581
Gm18	36331293	36331800	Gmdrm	hypo	CHH	-0.0515
Gm18	36337028	36338026	Gmdrm	hypo	CHH	-0.1481
Gm18	36338029	36338463	Gmdrm	hypo	CHH	-0.045
Gm18	36412662	36413646	Gmdrm	hypo	CHH	-0.0367
Gm18	36455253	36456243	Gmdrm	hypo	CHH	-0.0127
Gm18	36457499	36457936	Gmdrm	hypo	CHH	-0.048
Gm18	36473620	36474268	Gmdrm	hypo	CHH	-0.1833
Gm18	36477177	36478109	Gmdrm	hypo	CHH	-0.0258
Gm18	36478192	36479164	Gmdrm	hypo	CHH	-0.0204
Gm18	36482247	36483228	Gmdrm	hypo	CHH	-0.1267
Gm18	36495668	36496429	Gmdrm	hypo	CHH	-0.0447
Gm18	36510460	36511455	Gmdrm	hypo	CHH	-0.1235
Gm18	36511466	36512446	Gmdrm	hypo	CHH	-0.0508
Gm18	36550035	36551024	Gmdrm	hypo	CHH	-0.0405
Gm18	36557077	36558077	Gmdrm	hypo	CHH	-0.0282
Gm18	36586675	36587638	Gmdrm	hypo	CHH	-0.0651
Gm18	36588684	36588781	Gmdrm	hypo	CHH	-0.1377

Gm18	36596990	36597976	Gmdrm	hypo	CHH	-0.0844
Gm18	36598031	36598535	Gmdrm	hypo	CHH	-0.0559
Gm18	36669164	36670159	Gmdrm	hypo	CHH	-0.0663
Gm18	36674323	36674625	Gmdrm	hypo	CHH	-0.0425
Gm18	36674848	36675848	Gmdrm	hypo	CHH	-0.0173
Gm18	36676859	36677856	Gmdrm	hypo	CHH	-0.0357
Gm18	36679357	36680349	Gmdrm	hypo	CHH	-0.0794
Gm18	36701596	36702074	Gmdrm	hypo	CHH	-0.0513
Gm18	36706430	36707430	Gmdrm	hypo	CHH	-0.0248
Gm18	36709464	36710461	Gmdrm	hypo	CHH	-0.0193
Gm18	36711705	36711898	Gmdrm	hypo	CHH	-0.0755
Gm18	36714086	36715086	Gmdrm	hypo	CHH	-0.0381
Gm18	36715132	36716131	Gmdrm	hypo	CHH	-0.0592
Gm18	36855736	36856732	Gmdrm	hypo	CHH	-0.0208
Gm18	36856743	36857440	Gmdrm	hypo	CHH	-0.0196
Gm18	36867058	36868054	Gmdrm	hypo	CHH	-0.0177
Gm18	36902578	36903315	Gmdrm	hypo	CHH	-0.0446
Gm18	37091137	37091317	Gmdrm	hypo	CHH	-0.0634
Gm18	37107090	37107753	Gmdrm	hypo	CHH	-0.0817
Gm18	37318314	37318382	Gmdrm	hypo	CHH	-0.2943
Gm18	37424157	37424327	Gmdrm	hypo	CHH	-0.134
Gm18	37463513	37464297	Gmdrm	hypo	CHH	-0.061
Gm18	37464476	37465290	Gmdrm	hypo	CHH	-0.039
Gm18	37522813	37522862	Gmdrm	hypo	CHH	-0.0683
Gm18	37711789	37712093	Gmdrm	hypo	CHH	-0.1596
Gm18	37744755	37745053	Gmdrm	hypo	CHH	-0.0253
Gm18	37756148	37757144	Gmdrm	hypo	CHH	-0.0291
Gm18	37757151	37757952	Gmdrm	hypo	CHH	-0.0313
Gm18	37759230	37760227	Gmdrm	hypo	CHH	-0.0284
Gm18	37861260	37862258	Gmdrm	hypo	CHH	-0.0728
Gm18	37862263	37863263	Gmdrm	hypo	CHH	-0.2006
Gm18	37863276	37864272	Gmdrm	hypo	CHH	-0.1196
Gm18	37867368	37868368	Gmdrm	hypo	CHH	-0.0262
Gm18	37868371	37869354	Gmdrm	hypo	CHH	-0.0478
Gm18	37932756	37933737	Gmdrm	hypo	CHH	-0.0482
Gm18	37933805	37934796	Gmdrm	hypo	CHH	-0.0168
Gm18	37942391	37943389	Gmdrm	hypo	CHH	-0.0581
Gm18	37954384	37955379	Gmdrm	hypo	CHH	-0.0284
Gm18	37977913	37978910	Gmdrm	hypo	CHH	-0.0234
Gm18	37979932	37980924	Gmdrm	hypo	CHH	-0.0378
Gm18	37980935	37981921	Gmdrm	hypo	CHH	-0.0284
Gm18	37981936	37982443	Gmdrm	hypo	CHH	-0.1203
Gm18	38040163	38040220	Gmdrm	hypo	CHH	-0.1157
Gm18	38054710	38055690	Gmdrm	hypo	CHH	-0.0887
Gm18	38055735	38056728	Gmdrm	hypo	CHH	-0.077
Gm18	38061009	38061265	Gmdrm	hypo	CHH	-0.0644

Gm18	38064399	38065398	Gmdrm	hypo	CHH	-0.0404
Gm18	38125809	38126809	Gmdrm	hypo	CHH	-0.0665
Gm18	38133563	38134561	Gmdrm	hypo	CHH	-0.2327
Gm18	38134582	38135342	Gmdrm	hypo	CHH	-0.0814
Gm18	38135471	38136470	Gmdrm	hypo	CHH	-0.0591
Gm18	38136473	38137461	Gmdrm	hypo	CHH	-0.0599
Gm18	38139483	38140472	Gmdrm	hypo	CHH	-0.0438
Gm18	38140485	38141325	Gmdrm	hypo	CHH	-0.0568
Gm18	38141658	38142657	Gmdrm	hypo	CHH	-0.0618
Gm18	38144687	38145687	Gmdrm	hypo	CHH	-0.0578
Gm18	38154324	38154439	Gmdrm	hypo	CHH	-0.1689
Gm18	38163262	38163935	Gmdrm	hypo	CHH	-0.0994
Gm18	38164059	38164383	Gmdrm	hypo	CHH	-0.1329
Gm18	38164500	38164688	Gmdrm	hypo	CHH	-0.3574
Gm18	38164789	38165050	Gmdrm	hypo	CHH	-0.5396
Gm18	38171330	38171720	Gmdrm	hypo	CHH	-0.041
Gm18	38171825	38172818	Gmdrm	hypo	CHH	-0.0678
Gm18	38173828	38174821	Gmdrm	hypo	CHH	-0.0276
Gm18	38175838	38176836	Gmdrm	hypo	CHH	-0.035
Gm18	38181886	38182880	Gmdrm	hypo	CHH	-0.184
Gm18	38182893	38183080	Gmdrm	hypo	CHH	-0.1431
Gm18	38186684	38187208	Gmdrm	hypo	CHH	-0.0762
Gm18	38244735	38245718	Gmdrm	hypo	CHH	-0.0164
Gm18	38256011	38256993	Gmdrm	hypo	CHH	-0.0326
Gm18	38262547	38263544	Gmdrm	hypo	CHH	-0.048
Gm18	38438968	38439959	Gmdrm	hypo	CHH	-0.0702
Gm18	38460788	38461767	Gmdrm	hypo	CHH	-0.0431
Gm18	38461791	38462747	Gmdrm	hypo	CHH	-0.108
Gm18	38463088	38463554	Gmdrm	hypo	CHH	-0.0366
Gm18	38486692	38487686	Gmdrm	hypo	CHH	-0.0224
Gm18	38487702	38488660	Gmdrm	hypo	CHH	-0.0964
Gm18	38505371	38506343	Gmdrm	hypo	CHH	-0.0998
Gm18	38531059	38532059	Gmdrm	hypo	CHH	-0.0198
Gm18	38532064	38533057	Gmdrm	hypo	CHH	-0.0276
Gm18	38564404	38564979	Gmdrm	hypo	CHH	-0.0296
Gm18	38605117	38605178	Gmdrm	hypo	CHH	-0.126
Gm18	38610518	38610966	Gmdrm	hypo	CHH	-0.0602
Gm18	38611996	38612107	Gmdrm	hypo	CHH	-0.0925
Gm18	38626729	38627705	Gmdrm	hypo	CHH	-0.0242
Gm18	38653963	38654940	Gmdrm	hypo	CHH	-0.087
Gm18	38654975	38655247	Gmdrm	hypo	CHH	-0.0296
Gm18	38657510	38658494	Gmdrm	hypo	CHH	-0.0127
Gm18	38661144	38662144	Gmdrm	hypo	CHH	-0.0518
Gm18	38668909	38669909	Gmdrm	hypo	CHH	-0.059
Gm18	38715752	38716335	Gmdrm	hypo	CHH	-0.1459
Gm18	38741631	38742624	Gmdrm	hypo	CHH	-0.0254

Gm18	38742656	38743206	Gmdrm	hypo	CHH	-0.0244
Gm18	38744840	38745442	Gmdrm	hypo	CHH	-0.172
Gm18	38757954	38758952	Gmdrm	hypo	CHH	-0.0669
Gm18	38759293	38760290	Gmdrm	hypo	CHH	-0.0681
Gm18	38762303	38763283	Gmdrm	hypo	CHH	-0.087
Gm18	38803732	38804154	Gmdrm	hypo	CHH	-0.1991
Gm18	38855389	38856381	Gmdrm	hypo	CHH	-0.0643
Gm18	38865998	38866976	Gmdrm	hypo	CHH	-0.0888
Gm18	38981967	38982961	Gmdrm	hypo	CHH	-0.0466
Gm18	39000352	39001352	Gmdrm	hypo	CHH	-0.024
Gm18	39001358	39002313	Gmdrm	hypo	CHH	-0.0164
Gm18	39018080	39019074	Gmdrm	hypo	CHH	-0.0423
Gm18	39030171	39031162	Gmdrm	hypo	CHH	-0.0433
Gm18	39031172	39032171	Gmdrm	hypo	CHH	-0.0308
Gm18	39039318	39040295	Gmdrm	hypo	CHH	-0.0134
Gm18	39047334	39048167	Gmdrm	hypo	CHH	-0.0723
Gm18	39065746	39066396	Gmdrm	hypo	CHH	-0.0317
Gm18	39068850	39069848	Gmdrm	hypo	CHH	-0.011
Gm18	39069854	39070852	Gmdrm	hypo	CHH	-0.0146
Gm18	39070870	39070928	Gmdrm	hypo	CHH	-0.0257
Gm18	39111550	39112549	Gmdrm	hypo	CHH	-0.0332
Gm18	39125408	39126405	Gmdrm	hypo	CHH	-0.0358
Gm18	39126409	39127405	Gmdrm	hypo	CHH	-0.041
Gm18	39963474	39964470	Gmdrm	hypo	CHH	-0.0379
Gm18	39964481	39965161	Gmdrm	hypo	CHH	-0.0676
Gm18	40025310	40026310	Gmdrm	hypo	CHH	-0.0691
Gm18	40026312	40026963	Gmdrm	hypo	CHH	-0.0709
Gm18	40074188	40075150	Gmdrm	hypo	CHH	-0.0917
Gm18	40075374	40075677	Gmdrm	hypo	CHH	-0.1266
Gm18	40101157	40101585	Gmdrm	hypo	CHH	-0.065
Gm18	40117785	40118767	Gmdrm	hypo	CHH	-0.044
Gm18	40139461	40139788	Gmdrm	hypo	CHH	-0.0521
Gm18	40211326	40212317	Gmdrm	hypo	CHH	-0.1655
Gm18	40387839	40388831	Gmdrm	hypo	CHH	-0.0234
Gm18	40432932	40433867	Gmdrm	hypo	CHH	-0.0545
Gm18	40433965	40434958	Gmdrm	hypo	CHH	-0.0141
Gm18	40434970	40435594	Gmdrm	hypo	CHH	-0.0293
Gm18	40484131	40485112	Gmdrm	hypo	CHH	-0.0328
Gm18	40490167	40490968	Gmdrm	hypo	CHH	-0.0515
Gm18	40563978	40564478	Gmdrm	hypo	CHH	-0.0877
Gm18	40567867	40568021	Gmdrm	hypo	CHH	-0.0554
Gm18	40574440	40575429	Gmdrm	hypo	CHH	-0.0937
Gm18	40575462	40576448	Gmdrm	hypo	CHH	-0.0357
Gm18	40641658	40642114	Gmdrm	hypo	CHH	-0.0252
Gm18	40642378	40643372	Gmdrm	hypo	CHH	-0.044
Gm18	40677962	40678939	Gmdrm	hypo	CHH	-0.0528

Gm18	40712687	40713683	Gmdrm	hypo	CHH	-0.0127
Gm18	40742663	40743655	Gmdrm	hypo	CHH	-0.0176
Gm18	40750544	40751538	Gmdrm	hypo	CHH	-0.0218
Gm18	40798707	40799706	Gmdrm	hypo	CHH	-0.0301
Gm18	40800755	40801754	Gmdrm	hypo	CHH	-0.0211
Gm18	40801764	40802756	Gmdrm	hypo	CHH	-0.0394
Gm18	40803828	40804804	Gmdrm	hypo	CHH	-0.0127
Gm18	40813533	40813843	Gmdrm	hypo	CHH	-0.1743
Gm18	40866617	40867585	Gmdrm	hypo	CHH	-0.1264
Gm18	40868200	40869200	Gmdrm	hypo	CHH	-0.0152
Gm18	40880693	40881661	Gmdrm	hypo	CHH	-0.013
Gm18	40883416	40884412	Gmdrm	hypo	CHH	-0.0613
Gm18	40962617	40963617	Gmdrm	hypo	CHH	-0.028
Gm18	40964623	40965605	Gmdrm	hypo	CHH	-0.0678
Gm18	40975850	40975892	Gmdrm	hypo	CHH	-0.054
Gm18	41025407	41026407	Gmdrm	hypo	CHH	-0.1257
Gm18	41031050	41031446	Gmdrm	hypo	CHH	-0.0238
Gm18	41092031	41092180	Gmdrm	hypo	CHH	-0.065
Gm18	41252312	41253302	Gmdrm	hypo	CHH	-0.0313
Gm18	41327399	41328395	Gmdrm	hypo	CHH	-0.0165
Gm18	41356996	41357989	Gmdrm	hypo	CHH	-0.0422
Gm18	41357999	41358983	Gmdrm	hypo	CHH	-0.0194
Gm18	41359211	41360209	Gmdrm	hypo	CHH	-0.0315
Gm18	41363320	41363948	Gmdrm	hypo	CHH	-0.0215
Gm18	41410003	41410988	Gmdrm	hypo	CHH	-0.0732
Gm18	41414907	41415905	Gmdrm	hypo	CHH	-0.0188
Gm18	41458838	41459829	Gmdrm	hypo	CHH	-0.0293
Gm18	41459843	41460840	Gmdrm	hypo	CHH	-0.0143
Gm18	41480781	41481780	Gmdrm	hypo	CHH	-0.1095
Gm18	41481783	41482722	Gmdrm	hypo	CHH	-0.1072
Gm18	41490715	41491699	Gmdrm	hypo	CHH	-0.1184
Gm18	41504746	41505745	Gmdrm	hypo	CHH	-0.0355
Gm18	41505748	41506746	Gmdrm	hypo	CHH	-0.0373
Gm18	41533611	41533985	Gmdrm	hypo	CHH	-0.23
Gm18	41547389	41548387	Gmdrm	hypo	CHH	-0.1495
Gm18	41548398	41549335	Gmdrm	hypo	CHH	-0.0164
Gm18	41551852	41552077	Gmdrm	hypo	CHH	-0.07
Gm18	41552184	41553174	Gmdrm	hypo	CHH	-0.0276
Gm18	41554639	41555618	Gmdrm	hypo	CHH	-0.015
Gm18	41577615	41578610	Gmdrm	hypo	CHH	-0.0487
Gm18	41582308	41583308	Gmdrm	hypo	CHH	-0.0169
Gm18	41583313	41583784	Gmdrm	hypo	CHH	-0.0311
Gm18	41590410	41591350	Gmdrm	hypo	CHH	-0.2193
Gm18	41591526	41591656	Gmdrm	hypo	CHH	-0.0575
Gm18	41592045	41593036	Gmdrm	hypo	CHH	-0.1579
Gm18	41615689	41616680	Gmdrm	hypo	CHH	-0.0822

Gm18	41616692	41617691	Gmdrm	hypo	CHH	-0.0602
Gm18	41617693	41618681	Gmdrm	hypo	CHH	-0.0678
Gm18	41622268	41623243	Gmdrm	hypo	CHH	-0.0717
Gm18	41634973	41635966	Gmdrm	hypo	CHH	-0.0672
Gm18	41650907	41651893	Gmdrm	hypo	CHH	-0.0249
Gm18	41653948	41654872	Gmdrm	hypo	CHH	-0.0791
Gm18	41722383	41723383	Gmdrm	hypo	CHH	-0.0298
Gm18	41753655	41753910	Gmdrm	hypo	CHH	-0.0662
Gm18	41758137	41758430	Gmdrm	hypo	CHH	-0.0384
Gm18	41824577	41825465	Gmdrm	hypo	CHH	-0.0308
Gm18	41828751	41829740	Gmdrm	hypo	CHH	-0.0228
Gm18	41840834	41841804	Gmdrm	hypo	CHH	-0.0431
Gm18	41873433	41874426	Gmdrm	hypo	CHH	-0.055
Gm18	41874437	41875430	Gmdrm	hypo	CHH	-0.0295
Gm18	41881447	41882438	Gmdrm	hypo	CHH	-0.054
Gm18	41882456	41883436	Gmdrm	hypo	CHH	-0.0223
Gm18	41884504	41885494	Gmdrm	hypo	CHH	-0.0291
Gm18	41895675	41896640	Gmdrm	hypo	CHH	-0.0597
Gm18	41898925	41899921	Gmdrm	hypo	CHH	-0.0193
Gm18	41899952	41900843	Gmdrm	hypo	CHH	-0.0519
Gm18	41904048	41905045	Gmdrm	hypo	CHH	-0.0332
Gm18	41905711	41906707	Gmdrm	hypo	CHH	-0.0559
Gm18	41910752	41911050	Gmdrm	hypo	CHH	-0.0675
Gm18	41913159	41914138	Gmdrm	hypo	CHH	-0.0186
Gm18	41915843	41916841	Gmdrm	hypo	CHH	-0.0658
Gm18	41916845	41917835	Gmdrm	hypo	CHH	-0.1954
Gm18	41921911	41922906	Gmdrm	hypo	CHH	-0.0387
Gm18	41933685	41934671	Gmdrm	hypo	CHH	-0.0562
Gm18	41935702	41936700	Gmdrm	hypo	CHH	-0.072
Gm18	41936705	41937208	Gmdrm	hypo	CHH	-0.068
Gm18	41937327	41938319	Gmdrm	hypo	CHH	-0.0932
Gm18	41939346	41940346	Gmdrm	hypo	CHH	-0.0645
Gm18	41940348	41941348	Gmdrm	hypo	CHH	-0.0308
Gm18	41941349	41942349	Gmdrm	hypo	CHH	-0.0558
Gm18	41942352	41943351	Gmdrm	hypo	CHH	-0.0494
Gm18	41943358	41944358	Gmdrm	hypo	CHH	-0.0585
Gm18	41945074	41946055	Gmdrm	hypo	CHH	-0.0185
Gm18	41948125	41949125	Gmdrm	hypo	CHH	-0.081
Gm18	41949126	41950085	Gmdrm	hypo	CHH	-0.0836
Gm18	41959581	41960565	Gmdrm	hypo	CHH	-0.0378
Gm18	41963797	41964792	Gmdrm	hypo	CHH	-0.0564
Gm18	41964798	41965798	Gmdrm	hypo	CHH	-0.0346
Gm18	41989239	41990193	Gmdrm	hypo	CHH	-0.0289
Gm18	41990259	41990611	Gmdrm	hypo	CHH	-0.0369
Gm18	41991738	41992736	Gmdrm	hypo	CHH	-0.051
Gm18	41994800	41995757	Gmdrm	hypo	CHH	-0.0178

Gm18	41998399	41999391	Gmdrm	hypo	CHH	-0.0174
Gm18	42017835	42018831	Gmdrm	hypo	CHH	-0.045
Gm18	42021744	42022736	Gmdrm	hypo	CHH	-0.1446
Gm18	42022749	42023748	Gmdrm	hypo	CHH	-0.017
Gm18	42058967	42059966	Gmdrm	hypo	CHH	-0.0657
Gm18	42061029	42062028	Gmdrm	hypo	CHH	-0.0242
Gm18	42161765	42161904	Gmdrm	hypo	CHH	-0.0562
Gm18	42164632	42165628	Gmdrm	hypo	CHH	-0.0393
Gm18	42180548	42181521	Gmdrm	hypo	CHH	-0.06
Gm18	42181552	42182550	Gmdrm	hypo	CHH	-0.0343
Gm18	42194772	42195766	Gmdrm	hypo	CHH	-0.0336
Gm18	42195773	42196770	Gmdrm	hypo	CHH	-0.1026
Gm18	42247432	42248388	Gmdrm	hypo	CHH	-0.09
Gm18	42251101	42251517	Gmdrm	hypo	CHH	-0.0235
Gm18	42251673	42252672	Gmdrm	hypo	CHH	-0.0291
Gm18	42268899	42269895	Gmdrm	hypo	CHH	-0.0199
Gm18	42269906	42270833	Gmdrm	hypo	CHH	-0.0395
Gm18	42270936	42271341	Gmdrm	hypo	CHH	-0.1207
Gm18	42271787	42272786	Gmdrm	hypo	CHH	-0.1353
Gm18	42324815	42325793	Gmdrm	hypo	CHH	-0.0338
Gm18	42325824	42326809	Gmdrm	hypo	CHH	-0.1072
Gm18	42333150	42334146	Gmdrm	hypo	CHH	-0.0649
Gm18	42334152	42335147	Gmdrm	hypo	CHH	-0.0671
Gm18	42335162	42335829	Gmdrm	hypo	CHH	-0.0423
Gm18	42335980	42336114	Gmdrm	hypo	CHH	-0.1887
Gm18	42352768	42353767	Gmdrm	hypo	CHH	-0.0159
Gm18	42353769	42354759	Gmdrm	hypo	CHH	-0.0145
Gm18	42381144	42381776	Gmdrm	hypo	CHH	-0.0562
Gm18	42419948	42420924	Gmdrm	hypo	CHH	-0.0746
Gm18	42431911	42432885	Gmdrm	hypo	CHH	-0.1825
Gm18	42432918	42433709	Gmdrm	hypo	CHH	-0.1946
Gm18	42441592	42442565	Gmdrm	hypo	CHH	-0.0813
Gm18	42458947	42459945	Gmdrm	hypo	CHH	-0.0197
Gm18	42463395	42464394	Gmdrm	hypo	CHH	-0.066
Gm18	42464396	42465388	Gmdrm	hypo	CHH	-0.0459
Gm18	42465404	42466399	Gmdrm	hypo	CHH	-0.04
Gm18	42500127	42501123	Gmdrm	hypo	CHH	-0.0202
Gm18	42502158	42503152	Gmdrm	hypo	CHH	-0.0141
Gm18	42533045	42534018	Gmdrm	hypo	CHH	-0.0431
Gm18	42542079	42543023	Gmdrm	hypo	CHH	-0.0318
Gm18	42547585	42548572	Gmdrm	hypo	CHH	-0.097
Gm18	42548586	42549240	Gmdrm	hypo	CHH	-0.0693
Gm18	42554621	42555602	Gmdrm	hypo	CHH	-0.08
Gm18	42605785	42606776	Gmdrm	hypo	CHH	-0.023
Gm18	42607845	42608820	Gmdrm	hypo	CHH	-0.0212
Gm18	42610582	42611582	Gmdrm	hypo	CHH	-0.0219

Gm18	42613612	42614592	Gmdrm	hypo	CHH	-0.0183
Gm18	42619446	42620441	Gmdrm	hypo	CHH	-0.0198
Gm18	42628370	42629365	Gmdrm	hypo	CHH	-0.0349
Gm18	42642338	42643321	Gmdrm	hypo	CHH	-0.0623
Gm18	42660098	42661069	Gmdrm	hypo	CHH	-0.0288
Gm18	42802059	42803048	Gmdrm	hypo	CHH	-0.1139
Gm18	42805961	42806394	Gmdrm	hypo	CHH	-0.0429
Gm18	42818114	42819113	Gmdrm	hypo	CHH	-0.033
Gm18	42973079	42973763	Gmdrm	hypo	CHH	-0.0638
Gm18	43396861	43397861	Gmdrm	hypo	CHH	-0.0207
Gm18	43401914	43402891	Gmdrm	hypo	CHH	-0.0239
Gm18	43402922	43403909	Gmdrm	hypo	CHH	-0.0124
Gm18	43449772	43450758	Gmdrm	hypo	CHH	-0.0351
Gm18	43513783	43514385	Gmdrm	hypo	CHH	-0.0347
Gm18	43521007	43521991	Gmdrm	hypo	CHH	-0.1304
Gm18	43523455	43523519	Gmdrm	hypo	CHH	-0.2581
Gm18	43551127	43552126	Gmdrm	hypo	CHH	-0.046
Gm18	43552153	43553124	Gmdrm	hypo	CHH	-0.0711
Gm18	43601902	43602902	Gmdrm	hypo	CHH	-0.1809
Gm18	43602911	43603298	Gmdrm	hypo	CHH	-0.2499
Gm18	43604485	43605417	Gmdrm	hypo	CHH	-0.027
Gm18	43614235	43614649	Gmdrm	hypo	CHH	-0.0528
Gm18	43625828	43626816	Gmdrm	hypo	CHH	-0.0214
Gm18	43627859	43628857	Gmdrm	hypo	CHH	-0.0273
Gm18	43672533	43673532	Gmdrm	hypo	CHH	-0.0362
Gm18	43697726	43698715	Gmdrm	hypo	CHH	-0.0935
Gm18	43721052	43722052	Gmdrm	hypo	CHH	-0.0675
Gm18	43722897	43723182	Gmdrm	hypo	CHH	-0.1094
Gm18	43723587	43724579	Gmdrm	hypo	CHH	-0.0592
Gm18	43746169	43747147	Gmdrm	hypo	CHH	-0.0438
Gm18	43747173	43748163	Gmdrm	hypo	CHH	-0.04
Gm18	43765109	43766098	Gmdrm	hypo	CHH	-0.0956
Gm18	43766111	43767108	Gmdrm	hypo	CHH	-0.0766
Gm18	43770355	43770655	Gmdrm	hypo	CHH	-0.1061
Gm18	43774042	43775022	Gmdrm	hypo	CHH	-0.0626
Gm18	43782120	43783080	Gmdrm	hypo	CHH	-0.1214
Gm18	43804812	43805153	Gmdrm	hypo	CHH	-0.0954
Gm18	43809808	43810790	Gmdrm	hypo	CHH	-0.0424
Gm18	43811741	43812739	Gmdrm	hypo	CHH	-0.0926
Gm18	43831223	43832210	Gmdrm	hypo	CHH	-0.0615
Gm18	43832224	43833152	Gmdrm	hypo	CHH	-0.0251
Gm18	43870024	43870975	Gmdrm	hypo	CHH	-0.0391
Gm18	43884480	43885477	Gmdrm	hypo	CHH	-0.0784
Gm18	43923832	43924534	Gmdrm	hypo	CHH	-0.0316
Gm18	43932898	43933897	Gmdrm	hypo	CHH	-0.0425
Gm18	43935590	43936578	Gmdrm	hypo	CHH	-0.0267

Gm18	43937753	43938741	Gmdrm	hypo	CHH	-0.015
Gm18	43939787	43940783	Gmdrm	hypo	CHH	-0.0843
Gm18	43940792	43941757	Gmdrm	hypo	CHH	-0.1933
Gm18	43943159	43944153	Gmdrm	hypo	CHH	-0.054
Gm18	43944163	43945159	Gmdrm	hypo	CHH	-0.0458
Gm18	43977470	43978467	Gmdrm	hypo	CHH	-0.0295
Gm18	43980890	43981888	Gmdrm	hypo	CHH	-0.1168
Gm18	43981895	43982889	Gmdrm	hypo	CHH	-0.0965
Gm18	43983931	43984931	Gmdrm	hypo	CHH	-0.0774
Gm18	43984933	43985928	Gmdrm	hypo	CHH	-0.0525
Gm18	44003920	44004712	Gmdrm	hypo	CHH	-0.0388
Gm18	44029100	44030076	Gmdrm	hypo	CHH	-0.2114
Gm18	44030102	44031096	Gmdrm	hypo	CHH	-0.0521
Gm18	44033113	44034109	Gmdrm	hypo	CHH	-0.0213
Gm18	44034118	44034881	Gmdrm	hypo	CHH	-0.0161
Gm18	44039012	44039999	Gmdrm	hypo	CHH	-0.0615
Gm18	44040014	44041003	Gmdrm	hypo	CHH	-0.0267
Gm18	44044076	44045036	Gmdrm	hypo	CHH	-0.0131
Gm18	44045111	44045234	Gmdrm	hypo	CHH	-0.0575
Gm18	44047650	44048647	Gmdrm	hypo	CHH	-0.0874
Gm18	44048655	44049650	Gmdrm	hypo	CHH	-0.1458
Gm18	44049656	44050656	Gmdrm	hypo	CHH	-0.2905
Gm18	44055960	44056954	Gmdrm	hypo	CHH	-0.0334
Gm18	44056973	44057972	Gmdrm	hypo	CHH	-0.0175
Gm18	44069506	44070464	Gmdrm	hypo	CHH	-0.0179
Gm18	44070528	44071469	Gmdrm	hypo	CHH	-0.0167
Gm18	44072583	44073570	Gmdrm	hypo	CHH	-0.0216
Gm18	44123581	44124579	Gmdrm	hypo	CHH	-0.1151
Gm18	44157801	44158799	Gmdrm	hypo	CHH	-0.0195
Gm18	44159232	44159580	Gmdrm	hypo	CHH	-0.1447
Gm18	44159722	44159911	Gmdrm	hypo	CHH	-0.4713
Gm18	44166103	44167102	Gmdrm	hypo	CHH	-0.1133
Gm18	44183859	44184521	Gmdrm	hypo	CHH	-0.0442
Gm18	44195596	44196544	Gmdrm	hypo	CHH	-0.0146
Gm18	44198604	44199604	Gmdrm	hypo	CHH	-0.0272
Gm18	44199609	44200100	Gmdrm	hypo	CHH	-0.0453
Gm18	44215998	44216997	Gmdrm	hypo	CHH	-0.0646
Gm18	44217005	44218001	Gmdrm	hypo	CHH	-0.0329
Gm18	44230611	44231591	Gmdrm	hypo	CHH	-0.0155
Gm18	44234646	44235645	Gmdrm	hypo	CHH	-0.0955
Gm18	44236690	44237669	Gmdrm	hypo	CHH	-0.0327
Gm18	44252569	44253568	Gmdrm	hypo	CHH	-0.0262
Gm18	44253585	44254580	Gmdrm	hypo	CHH	-0.0422
Gm18	44254586	44255581	Gmdrm	hypo	CHH	-0.1051
Gm18	44255588	44256584	Gmdrm	hypo	CHH	-0.1068
Gm18	44256622	44257615	Gmdrm	hypo	CHH	-0.1074

Gm18	44257624	44258622 Gmdrm	hypo	CHH	-0.0738
Gm18	44281714	44282664 Gmdrm	hypo	CHH	-0.027
Gm18	44282738	44283730 Gmdrm	hypo	CHH	-0.0475
Gm18	44283740	44284368 Gmdrm	hypo	CHH	-0.0362
Gm18	44284785	44285780 Gmdrm	hypo	CHH	-0.0131
Gm18	44297795	44298776 Gmdrm	hypo	CHH	-0.0216
Gm18	44301127	44302126 Gmdrm	hypo	CHH	-0.0674
Gm18	44302136	44303136 Gmdrm	hypo	CHH	-0.049
Gm18	44343981	44344961 Gmdrm	hypo	CHH	-0.0256
Gm18	44349488	44350349 Gmdrm	hypo	CHH	-0.0144
Gm18	44351611	44352610 Gmdrm	hypo	CHH	-0.1865
Gm18	44352616	44353609 Gmdrm	hypo	CHH	-0.0107
Gm18	44354643	44355642 Gmdrm	hypo	CHH	-0.0661
Gm18	44355645	44356632 Gmdrm	hypo	CHH	-0.0427
Gm18	44386678	44387566 Gmdrm	hypo	CHH	-0.0537
Gm18	44404583	44405576 Gmdrm	hypo	CHH	-0.0804
Gm18	44407388	44408383 Gmdrm	hypo	CHH	-0.0689
Gm18	44408389	44409388 Gmdrm	hypo	CHH	-0.0512
Gm18	44413428	44414161 Gmdrm	hypo	CHH	-0.0598
Gm18	44416495	44416884 Gmdrm	hypo	CHH	-0.0146
Gm18	44423281	44424063 Gmdrm	hypo	CHH	-0.0731
Gm18	44429786	44430777 Gmdrm	hypo	CHH	-0.1117
Gm18	44430795	44431794 Gmdrm	hypo	CHH	-0.0098
Gm18	44435363	44436362 Gmdrm	hypo	CHH	-0.0434
Gm18	44458676	44459676 Gmdrm	hypo	CHH	-0.0415
Gm18	44460733	44461733 Gmdrm	hypo	CHH	-0.0195
Gm18	44546109	44547088 Gmdrm	hypo	CHH	-0.0541
Gm18	44547245	44548240 Gmdrm	hypo	CHH	-0.0345
Gm18	44548252	44549198 Gmdrm	hypo	CHH	-0.0367
Gm18	44551945	44552936 Gmdrm	hypo	CHH	-0.0306
Gm18	44553953	44554951 Gmdrm	hypo	CHH	-0.0221
Gm18	44561204	44562199 Gmdrm	hypo	CHH	-0.1466
Gm18	44571943	44572940 Gmdrm	hypo	CHH	-0.0485
Gm18	44609918	44610560 Gmdrm	hypo	CHH	-0.0193
Gm18	44610731	44611696 Gmdrm	hypo	CHH	-0.0137
Gm18	44615008	44616006 Gmdrm	hypo	CHH	-0.2193
Gm18	44642095	44643084 Gmdrm	hypo	CHH	-0.0456
Gm18	44643103	44644097 Gmdrm	hypo	CHH	-0.1323
Gm18	44644106	44645077 Gmdrm	hypo	CHH	-0.1282
Gm18	44658119	44659118 Gmdrm	hypo	CHH	-0.015
Gm18	44667935	44668932 Gmdrm	hypo	CHH	-0.0828
Gm18	44668936	44669932 Gmdrm	hypo	CHH	-0.0298
Gm18	44693254	44694233 Gmdrm	hypo	CHH	-0.023
Gm18	44706138	44707113 Gmdrm	hypo	CHH	-0.0843
Gm18	44717084	44718081 Gmdrm	hypo	CHH	-0.0298
Gm18	44722342	44723324 Gmdrm	hypo	CHH	-0.0151

Gm18	44725539	44726527	Gmdrm	hypo	CHH	-0.0217
Gm18	44726553	44727551	Gmdrm	hypo	CHH	-0.0494
Gm18	44728564	44729556	Gmdrm	hypo	CHH	-0.0294
Gm18	44747315	44748305	Gmdrm	hypo	CHH	-0.016
Gm18	44748319	44749296	Gmdrm	hypo	CHH	-0.0254
Gm18	44752853	44753852	Gmdrm	hypo	CHH	-0.0396
Gm18	44757940	44758928	Gmdrm	hypo	CHH	-0.0805
Gm18	44759966	44760936	Gmdrm	hypo	CHH	-0.0268
Gm18	44780518	44781495	Gmdrm	hypo	CHH	-0.0393
Gm18	44781529	44782525	Gmdrm	hypo	CHH	-0.077
Gm18	44785847	44786847	Gmdrm	hypo	CHH	-0.052
Gm18	44786874	44787874	Gmdrm	hypo	CHH	-0.0506
Gm18	44813997	44814593	Gmdrm	hypo	CHH	-0.1144
Gm18	44814698	44815326	Gmdrm	hypo	CHH	-0.0447
Gm18	44852102	44853096	Gmdrm	hypo	CHH	-0.0514
Gm18	44856171	44857154	Gmdrm	hypo	CHH	-0.0608
Gm18	44867115	44868097	Gmdrm	hypo	CHH	-0.0265
Gm18	44877853	44878850	Gmdrm	hypo	CHH	-0.0322
Gm18	44883116	44884100	Gmdrm	hypo	CHH	-0.022
Gm18	44895935	44896759	Gmdrm	hypo	CHH	-0.0301
Gm18	44896875	44897875	Gmdrm	hypo	CHH	-0.0352
Gm18	44897878	44898703	Gmdrm	hypo	CHH	-0.1067
Gm18	44901996	44902981	Gmdrm	hypo	CHH	-0.1988
Gm18	44904011	44904296	Gmdrm	hypo	CHH	-0.0435
Gm18	44905510	44906510	Gmdrm	hypo	CHH	-0.0405
Gm18	44906513	44907101	Gmdrm	hypo	CHH	-0.0395
Gm18	44910271	44910604	Gmdrm	hypo	CHH	-0.044
Gm18	44913235	44914223	Gmdrm	hypo	CHH	-0.0272
Gm18	44949058	44950056	Gmdrm	hypo	CHH	-0.0366
Gm18	44993347	44993686	Gmdrm	hypo	CHH	-0.0614
Gm18	44995719	44996492	Gmdrm	hypo	CHH	-0.25
Gm18	45006572	45007571	Gmdrm	hypo	CHH	-0.0602
Gm18	45014199	45015198	Gmdrm	hypo	CHH	-0.0307
Gm18	45116734	45117733	Gmdrm	hypo	CHH	-0.0692
Gm18	45117744	45118737	Gmdrm	hypo	CHH	-0.0829
Gm18	45119751	45120742	Gmdrm	hypo	CHH	-0.2242
Gm18	45120752	45121749	Gmdrm	hypo	CHH	-0.0988
Gm18	45126269	45127246	Gmdrm	hypo	CHH	-0.0092
Gm18	45131027	45132018	Gmdrm	hypo	CHH	-0.1046
Gm18	45136468	45137467	Gmdrm	hypo	CHH	-0.111
Gm18	45141191	45142128	Gmdrm	hypo	CHH	-0.1067
Gm18	45187856	45188503	Gmdrm	hypo	CHH	-0.0181
Gm18	45196638	45196724	Gmdrm	hypo	CHH	-0.115
Gm18	45196872	45197858	Gmdrm	hypo	CHH	-0.0365
Gm18	45226708	45227706	Gmdrm	hypo	CHH	-0.0366
Gm18	45238641	45239503	Gmdrm	hypo	CHH	-0.0798

Gm18	45240640	45241636	Gmdrm	hypo	CHH	-0.0198
Gm18	45247687	45248687	Gmdrm	hypo	CHH	-0.0583
Gm18	45250763	45251738	Gmdrm	hypo	CHH	-0.0146
Gm18	45253311	45253882	Gmdrm	hypo	CHH	-0.0218
Gm18	45259126	45260118	Gmdrm	hypo	CHH	-0.018
Gm18	45260127	45261126	Gmdrm	hypo	CHH	-0.036
Gm18	45268522	45269519	Gmdrm	hypo	CHH	-0.0541
Gm18	45315041	45316040	Gmdrm	hypo	CHH	-0.048
Gm18	45316053	45317053	Gmdrm	hypo	CHH	-0.0361
Gm18	45326967	45327759	Gmdrm	hypo	CHH	-0.0459
Gm18	45332705	45332888	Gmdrm	hypo	CHH	-0.0371
Gm18	45338720	45339702	Gmdrm	hypo	CHH	-0.0257
Gm18	45340734	45341703	Gmdrm	hypo	CHH	-0.0376
Gm18	45356279	45357275	Gmdrm	hypo	CHH	-0.0712
Gm18	45357281	45358281	Gmdrm	hypo	CHH	-0.0311
Gm18	45370886	45371886	Gmdrm	hypo	CHH	-0.0269
Gm18	45404899	45405867	Gmdrm	hypo	CHH	-0.0435
Gm18	45413758	45414753	Gmdrm	hypo	CHH	-0.0147
Gm18	45414761	45415747	Gmdrm	hypo	CHH	-0.0391
Gm18	45432741	45433367	Gmdrm	hypo	CHH	-0.036
Gm18	45434518	45435507	Gmdrm	hypo	CHH	-0.0171
Gm18	45462717	45463639	Gmdrm	hypo	CHH	-0.0444
Gm18	45471225	45472017	Gmdrm	hypo	CHH	-0.0266
Gm18	45473146	45474143	Gmdrm	hypo	CHH	-0.058
Gm18	45478207	45479193	Gmdrm	hypo	CHH	-0.0445
Gm18	45483271	45483946	Gmdrm	hypo	CHH	-0.0172
Gm18	45522180	45522864	Gmdrm	hypo	CHH	-0.0769
Gm18	45531934	45532291	Gmdrm	hypo	CHH	-0.0555
Gm18	45578103	45578196	Gmdrm	hypo	CHH	-0.11
Gm18	45813052	45814040	Gmdrm	hypo	CHH	-0.0179
Gm18	45814080	45815055	Gmdrm	hypo	CHH	-0.0192
Gm18	45822321	45823317	Gmdrm	hypo	CHH	-0.0398
Gm18	45829218	45830218	Gmdrm	hypo	CHH	-0.0133
Gm18	45838715	45839714	Gmdrm	hypo	CHH	-0.0754
Gm18	45873318	45873874	Gmdrm	hypo	CHH	-0.0558
Gm18	45938320	45938930	Gmdrm	hypo	CHH	-0.032
Gm18	45959815	45960805	Gmdrm	hypo	CHH	-0.0205
Gm18	45974023	45975014	Gmdrm	hypo	CHH	-0.0731
Gm18	45976043	45977035	Gmdrm	hypo	CHH	-0.0322
Gm18	45979102	45979589	Gmdrm	hypo	CHH	-0.0582
Gm18	45987937	45988933	Gmdrm	hypo	CHH	-0.0684
Gm18	45995051	45995750	Gmdrm	hypo	CHH	-0.0683
Gm18	45998660	45999657	Gmdrm	hypo	CHH	-0.0662
Gm18	46040987	46041981	Gmdrm	hypo	CHH	-0.0882
Gm18	46042014	46043008	Gmdrm	hypo	CHH	-0.0372
Gm18	46043015	46044015	Gmdrm	hypo	CHH	-0.0256

Gm18	46044026	46045015	Gmdrm	hypo	CHH	-0.0249
Gm18	46048826	46049598	Gmdrm	hypo	CHH	-0.0215
Gm18	46074568	46075567	Gmdrm	hypo	CHH	-0.0198
Gm18	46087514	46088507	Gmdrm	hypo	CHH	-0.0653
Gm18	46088516	46089504	Gmdrm	hypo	CHH	-0.034
Gm18	46129732	46130409	Gmdrm	hypo	CHH	-0.0517
Gm18	46140525	46141525	Gmdrm	hypo	CHH	-0.0647
Gm18	46141537	46142533	Gmdrm	hypo	CHH	-0.0268
Gm18	46185250	46185748	Gmdrm	hypo	CHH	-0.0425
Gm18	46189773	46190768	Gmdrm	hypo	CHH	-0.0145
Gm18	46201842	46202842	Gmdrm	hypo	CHH	-0.051
Gm18	46202850	46203846	Gmdrm	hypo	CHH	-0.0449
Gm18	46205870	46206861	Gmdrm	hypo	CHH	-0.0521
Gm18	46219512	46220511	Gmdrm	hypo	CHH	-0.0276
Gm18	46220514	46221494	Gmdrm	hypo	CHH	-0.0391
Gm18	46254728	46255718	Gmdrm	hypo	CHH	-0.0497
Gm18	46255729	46256727	Gmdrm	hypo	CHH	-0.0513
Gm18	46256759	46257755	Gmdrm	hypo	CHH	-0.0195
Gm18	46280611	46281607	Gmdrm	hypo	CHH	-0.0265
Gm18	46317892	46318891	Gmdrm	hypo	CHH	-0.0264
Gm18	46318895	46319882	Gmdrm	hypo	CHH	-0.0462
Gm18	46331433	46332371	Gmdrm	hypo	CHH	-0.0223
Gm18	46348076	46349055	Gmdrm	hypo	CHH	-0.0494
Gm18	46364649	46365648	Gmdrm	hypo	CHH	-0.0842
Gm18	46379499	46380497	Gmdrm	hypo	CHH	-0.0472
Gm18	46393918	46394905	Gmdrm	hypo	CHH	-0.2592
Gm18	46397830	46398822	Gmdrm	hypo	CHH	-0.0797
Gm18	46400887	46401883	Gmdrm	hypo	CHH	-0.0118
Gm18	46402501	46403498	Gmdrm	hypo	CHH	-0.0592
Gm18	46408242	46409237	Gmdrm	hypo	CHH	-0.0295
Gm18	46409254	46410254	Gmdrm	hypo	CHH	-0.0188
Gm18	46410960	46411053	Gmdrm	hypo	CHH	-0.0875
Gm18	46421551	46421652	Gmdrm	hypo	CHH	-0.045
Gm18	46421755	46422747	Gmdrm	hypo	CHH	-0.0427
Gm18	46429236	46430236	Gmdrm	hypo	CHH	-0.0458
Gm18	46430243	46431235	Gmdrm	hypo	CHH	-0.0711
Gm18	46431244	46432244	Gmdrm	hypo	CHH	-0.0284
Gm18	46432253	46433248	Gmdrm	hypo	CHH	-0.0548
Gm18	46433257	46434250	Gmdrm	hypo	CHH	-0.034
Gm18	46448143	46448321	Gmdrm	hypo	CHH	-0.2054
Gm18	46455061	46456032	Gmdrm	hypo	CHH	-0.026
Gm18	46465269	46466261	Gmdrm	hypo	CHH	-0.0222
Gm18	46532941	46533940	Gmdrm	hypo	CHH	-0.0763
Gm18	46540978	46541978	Gmdrm	hypo	CHH	-0.0672
Gm18	46555287	46556287	Gmdrm	hypo	CHH	-0.0809
Gm18	46556291	46557175	Gmdrm	hypo	CHH	-0.1451

Gm18	46577076	46578052	Gmdrm	hypo	CHH	-0.0222
Gm18	46598165	46599161	Gmdrm	hypo	CHH	-0.0208
Gm18	46599761	46600756	Gmdrm	hypo	CHH	-0.0121
Gm18	46600777	46601764	Gmdrm	hypo	CHH	-0.0694
Gm18	46601799	46602799	Gmdrm	hypo	CHH	-0.0653
Gm18	46606843	46607507	Gmdrm	hypo	CHH	-0.0454
Gm18	46619018	46619997	Gmdrm	hypo	CHH	-0.0441
Gm18	46625651	46625667	Gmdrm	hypo	CHH	-0.28
Gm18	46641713	46642683	Gmdrm	hypo	CHH	-0.1169
Gm18	46642730	46643700	Gmdrm	hypo	CHH	-0.12
Gm18	46644233	46645232	Gmdrm	hypo	CHH	-0.1008
Gm18	46645239	46646236	Gmdrm	hypo	CHH	-0.0709
Gm18	46701096	46702096	Gmdrm	hypo	CHH	-0.0162
Gm18	46702110	46703086	Gmdrm	hypo	CHH	-0.0284
Gm18	46714700	46715459	Gmdrm	hypo	CHH	-0.2693
Gm18	46716604	46717595	Gmdrm	hypo	CHH	-0.0332
Gm18	46727285	46727988	Gmdrm	hypo	CHH	-0.0384
Gm18	46766612	46767611	Gmdrm	hypo	CHH	-0.053
Gm18	46767614	46768601	Gmdrm	hypo	CHH	-0.0087
Gm18	46774378	46775371	Gmdrm	hypo	CHH	-0.0215
Gm18	46775428	46776423	Gmdrm	hypo	CHH	-0.0549
Gm18	46777445	46778437	Gmdrm	hypo	CHH	-0.1418
Gm18	46797463	46798458	Gmdrm	hypo	CHH	-0.0733
Gm18	46803517	46804335	Gmdrm	hypo	CHH	-0.1773
Gm18	46804986	46805969	Gmdrm	hypo	CHH	-0.1327
Gm18	46818112	46819104	Gmdrm	hypo	CHH	-0.134
Gm18	46819113	46820098	Gmdrm	hypo	CHH	-0.1365
Gm18	46820127	46821126	Gmdrm	hypo	CHH	-0.0107
Gm18	46822173	46822998	Gmdrm	hypo	CHH	-0.023
Gm18	46824117	46825111	Gmdrm	hypo	CHH	-0.0655
Gm18	46825156	46825747	Gmdrm	hypo	CHH	-0.0345
Gm18	46831538	46832534	Gmdrm	hypo	CHH	-0.1893
Gm18	46838543	46839542	Gmdrm	hypo	CHH	-0.1045
Gm18	46839545	46840524	Gmdrm	hypo	CHH	-0.2366
Gm18	46846206	46847191	Gmdrm	hypo	CHH	-0.0366
Gm18	46849266	46850224	Gmdrm	hypo	CHH	-0.0217
Gm18	46850329	46851305	Gmdrm	hypo	CHH	-0.0357
Gm18	46855615	46856568	Gmdrm	hypo	CHH	-0.0955
Gm18	46859460	46860454	Gmdrm	hypo	CHH	-0.0351
Gm18	46870399	46871395	Gmdrm	hypo	CHH	-0.0154
Gm18	46874150	46875142	Gmdrm	hypo	CHH	-0.0385
Gm18	46910163	46911148	Gmdrm	hypo	CHH	-0.0451
Gm18	46918368	46919355	Gmdrm	hypo	CHH	-0.0179
Gm18	46927306	46928305	Gmdrm	hypo	CHH	-0.025
Gm18	46938673	46939671	Gmdrm	hypo	CHH	-0.0158
Gm18	46939675	46940655	Gmdrm	hypo	CHH	-0.0316

Gm18	46958811	46959783	Gmdrm	hypo	CHH	-0.1368
Gm18	46959830	46960828	Gmdrm	hypo	CHH	-0.1641
Gm18	46968162	46969139	Gmdrm	hypo	CHH	-0.069
Gm18	46969164	46970135	Gmdrm	hypo	CHH	-0.0413
Gm18	46984317	46985077	Gmdrm	hypo	CHH	-0.2929
Gm18	46986201	46987199	Gmdrm	hypo	CHH	-0.0183
Gm18	46994398	46995394	Gmdrm	hypo	CHH	-0.0807
Gm18	46996032	46997032	Gmdrm	hypo	CHH	-0.1576
Gm18	46997053	46998050	Gmdrm	hypo	CHH	-0.1867
Gm18	47001895	47002750	Gmdrm	hypo	CHH	-0.0259
Gm18	47002852	47003852	Gmdrm	hypo	CHH	-0.0285
Gm18	47004285	47005281	Gmdrm	hypo	CHH	-0.0898
Gm18	47029155	47029985	Gmdrm	hypo	CHH	-0.0571
Gm18	47033383	47034367	Gmdrm	hypo	CHH	-0.0182
Gm18	47034579	47035178	Gmdrm	hypo	CHH	-0.0272
Gm18	47037396	47038372	Gmdrm	hypo	CHH	-0.0187
Gm18	47132813	47132979	Gmdrm	hypo	CHH	-0.048
Gm18	47133081	47134080	Gmdrm	hypo	CHH	-0.0372
Gm18	47134085	47134874	Gmdrm	hypo	CHH	-0.0729
Gm18	47134996	47135146	Gmdrm	hypo	CHH	-0.0553
Gm18	47135250	47136250	Gmdrm	hypo	CHH	-0.1119
Gm18	47147069	47147210	Gmdrm	hypo	CHH	-0.0233
Gm18	47148344	47149342	Gmdrm	hypo	CHH	-0.0324
Gm18	47155273	47156272	Gmdrm	hypo	CHH	-0.041
Gm18	47156274	47157247	Gmdrm	hypo	CHH	-0.0326
Gm18	47159782	47160766	Gmdrm	hypo	CHH	-0.0243
Gm18	47176772	47177375	Gmdrm	hypo	CHH	-0.0538
Gm18	47185921	47186905	Gmdrm	hypo	CHH	-0.0953
Gm18	47233586	47234575	Gmdrm	hypo	CHH	-0.0715
Gm18	47237288	47238284	Gmdrm	hypo	CHH	-0.0378
Gm18	47238300	47239291	Gmdrm	hypo	CHH	-0.0343
Gm18	47239849	47240848	Gmdrm	hypo	CHH	-0.062
Gm18	47241623	47242403	Gmdrm	hypo	CHH	-0.0899
Gm18	47244400	47245392	Gmdrm	hypo	CHH	-0.0489
Gm18	47253479	47254478	Gmdrm	hypo	CHH	-0.0293
Gm18	47254489	47254972	Gmdrm	hypo	CHH	-0.0206
Gm18	47255080	47255596	Gmdrm	hypo	CHH	-0.0352
Gm18	47311983	47312913	Gmdrm	hypo	CHH	-0.0396
Gm18	47313992	47314970	Gmdrm	hypo	CHH	-0.0502
Gm18	47329969	47330957	Gmdrm	hypo	CHH	-0.041
Gm18	47337004	47337997	Gmdrm	hypo	CHH	-0.0548
Gm18	47344944	47345940	Gmdrm	hypo	CHH	-0.0251
Gm18	47346253	47347243	Gmdrm	hypo	CHH	-0.0395
Gm18	47352611	47353443	Gmdrm	hypo	CHH	-0.1336
Gm18	47360770	47361754	Gmdrm	hypo	CHH	-0.0574
Gm18	47377391	47378383	Gmdrm	hypo	CHH	-0.0748

Gm18	47385732	47386727	Gmdrm	hypo	CHH	-0.046
Gm18	47396877	47397852	Gmdrm	hypo	CHH	-0.0325
Gm18	47405606	47406553	Gmdrm	hypo	CHH	-0.0831
Gm18	47456431	47457430	Gmdrm	hypo	CHH	-0.0529
Gm18	47461897	47462880	Gmdrm	hypo	CHH	-0.0131
Gm18	47463925	47464422	Gmdrm	hypo	CHH	-0.0386
Gm18	47464532	47465532	Gmdrm	hypo	CHH	-0.0793
Gm18	47465535	47466517	Gmdrm	hypo	CHH	-0.2063
Gm18	47485373	47486281	Gmdrm	hypo	CHH	-0.07
Gm18	47541101	47542069	Gmdrm	hypo	CHH	-0.0125
Gm18	47549757	47550740	Gmdrm	hypo	CHH	-0.1743
Gm18	47554829	47555828	Gmdrm	hypo	CHH	-0.0402
Gm18	47555830	47556686	Gmdrm	hypo	CHH	-0.0368
Gm18	47599701	47600688	Gmdrm	hypo	CHH	-0.0198
Gm18	47614810	47615807	Gmdrm	hypo	CHH	-0.0317
Gm18	47615811	47616606	Gmdrm	hypo	CHH	-0.0708
Gm18	47647594	47648590	Gmdrm	hypo	CHH	-0.0324
Gm18	47654369	47655368	Gmdrm	hypo	CHH	-0.0484
Gm18	47656281	47657276	Gmdrm	hypo	CHH	-0.1327
Gm18	47657312	47658285	Gmdrm	hypo	CHH	-0.0907
Gm18	47658315	47658960	Gmdrm	hypo	CHH	-0.0621
Gm18	47674740	47675736	Gmdrm	hypo	CHH	-0.0725
Gm18	47676745	47677716	Gmdrm	hypo	CHH	-0.0719
Gm18	47682804	47683802	Gmdrm	hypo	CHH	-0.0513
Gm18	47684674	47685657	Gmdrm	hypo	CHH	-0.0251
Gm18	47685705	47686703	Gmdrm	hypo	CHH	-0.0315
Gm18	47686715	47687696	Gmdrm	hypo	CHH	-0.0129
Gm18	47688755	47689734	Gmdrm	hypo	CHH	-0.0334
Gm18	47689757	47690747	Gmdrm	hypo	CHH	-0.0413
Gm18	47690761	47691759	Gmdrm	hypo	CHH	-0.0317
Gm18	47701638	47702619	Gmdrm	hypo	CHH	-0.0219
Gm18	47703688	47704665	Gmdrm	hypo	CHH	-0.0234
Gm18	47705718	47706680	Gmdrm	hypo	CHH	-0.0189
Gm18	47707896	47708896	Gmdrm	hypo	CHH	-0.0422
Gm18	47708897	47709897	Gmdrm	hypo	CHH	-0.018
Gm18	47709910	47710905	Gmdrm	hypo	CHH	-0.018
Gm18	47710914	47711909	Gmdrm	hypo	CHH	-0.0818
Gm18	47725052	47726050	Gmdrm	hypo	CHH	-0.0438
Gm18	47740990	47741384	Gmdrm	hypo	CHH	-0.0564
Gm18	47742572	47743568	Gmdrm	hypo	CHH	-0.0337
Gm18	47744656	47745637	Gmdrm	hypo	CHH	-0.0237
Gm18	47746677	47747674	Gmdrm	hypo	CHH	-0.0363
Gm18	47797514	47798485	Gmdrm	hypo	CHH	-0.0576
Gm18	47810920	47811907	Gmdrm	hypo	CHH	-0.0141
Gm18	47811924	47812897	Gmdrm	hypo	CHH	-0.127
Gm18	47833152	47834128	Gmdrm	hypo	CHH	-0.026

Gm18	47855078	47856031	Gmdrm	hypo	CHH	-0.0367
Gm18	47857120	47858089	Gmdrm	hypo	CHH	-0.0174
Gm18	47877059	47878059	Gmdrm	hypo	CHH	-0.0459
Gm18	47879107	47880102	Gmdrm	hypo	CHH	-0.0773
Gm18	47887979	47888960	Gmdrm	hypo	CHH	-0.0307
Gm18	47892043	47893037	Gmdrm	hypo	CHH	-0.1342
Gm18	47894247	47895234	Gmdrm	hypo	CHH	-0.2642
Gm18	47895261	47896223	Gmdrm	hypo	CHH	-0.0282
Gm18	47896269	47897260	Gmdrm	hypo	CHH	-0.0229
Gm18	47898280	47898686	Gmdrm	hypo	CHH	-0.0197
Gm18	47905516	47906507	Gmdrm	hypo	CHH	-0.0789
Gm18	47926681	47927670	Gmdrm	hypo	CHH	-0.0461
Gm18	47929749	47930747	Gmdrm	hypo	CHH	-0.0287
Gm18	47931754	47932754	Gmdrm	hypo	CHH	-0.05
Gm18	47932761	47933756	Gmdrm	hypo	CHH	-0.0153
Gm18	47935783	47936144	Gmdrm	hypo	CHH	-0.1332
Gm18	47939263	47939567	Gmdrm	hypo	CHH	-0.1138
Gm18	47956269	47957255	Gmdrm	hypo	CHH	-0.0447
Gm18	47975076	47976066	Gmdrm	hypo	CHH	-0.0599
Gm18	47984777	47985698	Gmdrm	hypo	CHH	-0.0483
Gm18	47986561	47987552	Gmdrm	hypo	CHH	-0.0541
Gm18	47998417	47999090	Gmdrm	hypo	CHH	-0.0304
Gm18	48005679	48006355	Gmdrm	hypo	CHH	-0.1069
Gm18	48020931	48021904	Gmdrm	hypo	CHH	-0.0713
Gm18	48030902	48031858	Gmdrm	hypo	CHH	-0.0244
Gm18	48045947	48046930	Gmdrm	hypo	CHH	-0.0231
Gm18	48052059	48052879	Gmdrm	hypo	CHH	-0.0397
Gm18	48084890	48085705	Gmdrm	hypo	CHH	-0.0243
Gm18	48089616	48090573	Gmdrm	hypo	CHH	-0.0219
Gm18	48095543	48096543	Gmdrm	hypo	CHH	-0.0218
Gm18	48110462	48110857	Gmdrm	hypo	CHH	-0.0593
Gm18	48119925	48120905	Gmdrm	hypo	CHH	-0.0494
Gm18	48120930	48121874	Gmdrm	hypo	CHH	-0.0485
Gm18	48131906	48132889	Gmdrm	hypo	CHH	-0.0203
Gm18	48133929	48134916	Gmdrm	hypo	CHH	-0.0312
Gm18	48150431	48151430	Gmdrm	hypo	CHH	-0.0246
Gm18	48151438	48152433	Gmdrm	hypo	CHH	-0.0136
Gm18	48153461	48154108	Gmdrm	hypo	CHH	-0.1291
Gm18	48154240	48155233	Gmdrm	hypo	CHH	-0.0184
Gm18	48173545	48174534	Gmdrm	hypo	CHH	-0.0576
Gm18	48175559	48176553	Gmdrm	hypo	CHH	-0.0617
Gm18	48176563	48177544	Gmdrm	hypo	CHH	-0.0342
Gm18	48186031	48186103	Gmdrm	hypo	CHH	-0.045
Gm18	48186212	48187208	Gmdrm	hypo	CHH	-0.1075
Gm18	48187218	48188218	Gmdrm	hypo	CHH	-0.2128
Gm18	48191380	48192379	Gmdrm	hypo	CHH	-0.0203

Gm18	48200366	48201355	Gmdrm	hypo	CHH	-0.0299
Gm18	48204663	48205644	Gmdrm	hypo	CHH	-0.0734
Gm18	48206671	48207670	Gmdrm	hypo	CHH	-0.0169
Gm18	48217776	48218763	Gmdrm	hypo	CHH	-0.0407
Gm18	48219794	48220756	Gmdrm	hypo	CHH	-0.0377
Gm18	48225186	48226186	Gmdrm	hypo	CHH	-0.0154
Gm18	48231206	48232194	Gmdrm	hypo	CHH	-0.117
Gm18	48232207	48232556	Gmdrm	hypo	CHH	-0.1286
Gm18	48236805	48237799	Gmdrm	hypo	CHH	-0.0319
Gm18	48246138	48247127	Gmdrm	hypo	CHH	-0.025
Gm18	48248154	48249151	Gmdrm	hypo	CHH	-0.0325
Gm18	48257139	48257980	Gmdrm	hypo	CHH	-0.114
Gm18	48267226	48268210	Gmdrm	hypo	CHH	-0.0575
Gm18	48270285	48271207	Gmdrm	hypo	CHH	-0.0393
Gm18	48289590	48290581	Gmdrm	hypo	CHH	-0.0138
Gm18	48292251	48293249	Gmdrm	hypo	CHH	-0.0495
Gm18	48305332	48306332	Gmdrm	hypo	CHH	-0.2865
Gm18	48306335	48307325	Gmdrm	hypo	CHH	-0.1945
Gm18	48312236	48313221	Gmdrm	hypo	CHH	-0.0206
Gm18	48316647	48316822	Gmdrm	hypo	CHH	-0.0758
Gm18	48328057	48328237	Gmdrm	hypo	CHH	-0.1457
Gm18	48333858	48334836	Gmdrm	hypo	CHH	-0.0462
Gm18	48337137	48338135	Gmdrm	hypo	CHH	-0.024
Gm18	48341205	48342184	Gmdrm	hypo	CHH	-0.0868
Gm18	48342213	48343156	Gmdrm	hypo	CHH	-0.0413
Gm18	48348856	48349855	Gmdrm	hypo	CHH	-0.0614
Gm18	48349860	48350042	Gmdrm	hypo	CHH	-0.0572
Gm18	48350316	48351289	Gmdrm	hypo	CHH	-0.037
Gm18	48351337	48352328	Gmdrm	hypo	CHH	-0.0398
Gm18	48352346	48353337	Gmdrm	hypo	CHH	-0.0303
Gm18	48371530	48371701	Gmdrm	hypo	CHH	-0.1983
Gm18	48371815	48372419	Gmdrm	hypo	CHH	-0.1181
Gm18	48384253	48385250	Gmdrm	hypo	CHH	-0.1314
Gm18	48385257	48386256	Gmdrm	hypo	CHH	-0.0358
Gm18	48386260	48387258	Gmdrm	hypo	CHH	-0.0228
Gm18	48390871	48391704	Gmdrm	hypo	CHH	-0.0438
Gm18	48397222	48398220	Gmdrm	hypo	CHH	-0.0565
Gm18	48398223	48399221	Gmdrm	hypo	CHH	-0.0276
Gm18	48400259	48401229	Gmdrm	hypo	CHH	-0.0357
Gm18	48408445	48409432	Gmdrm	hypo	CHH	-0.1631
Gm18	48410239	48411237	Gmdrm	hypo	CHH	-0.0922
Gm18	48411255	48411918	Gmdrm	hypo	CHH	-0.0594
Gm18	48413993	48414959	Gmdrm	hypo	CHH	-0.1036
Gm18	48422693	48423276	Gmdrm	hypo	CHH	-0.0192
Gm18	48437194	48437383	Gmdrm	hypo	CHH	-0.0325
Gm18	48440666	48441665	Gmdrm	hypo	CHH	-0.0182

Gm18	48443350	48444348	Gmdrm	hypo	CHH	-0.1202
Gm18	48444357	48445348	Gmdrm	hypo	CHH	-0.1519
Gm18	48453319	48453698	Gmdrm	hypo	CHH	-0.0584
Gm18	48455379	48456378	Gmdrm	hypo	CHH	-0.0492
Gm18	48456389	48457367	Gmdrm	hypo	CHH	-0.0264
Gm18	48462230	48463225	Gmdrm	hypo	CHH	-0.2196
Gm18	48463239	48464238	Gmdrm	hypo	CHH	-0.1183
Gm18	48469742	48470685	Gmdrm	hypo	CHH	-0.0596
Gm18	48474956	48475952	Gmdrm	hypo	CHH	-0.0188
Gm18	48477022	48478014	Gmdrm	hypo	CHH	-0.0985
Gm18	48510049	48511022	Gmdrm	hypo	CHH	-0.0706
Gm18	48511062	48512037	Gmdrm	hypo	CHH	-0.049
Gm18	48514567	48515551	Gmdrm	hypo	CHH	-0.0925
Gm18	48515617	48515759	Gmdrm	hypo	CHH	-0.0394
Gm18	48515871	48516668	Gmdrm	hypo	CHH	-0.1576
Gm18	48520298	48521297	Gmdrm	hypo	CHH	-0.0164
Gm18	48521302	48521997	Gmdrm	hypo	CHH	-0.0263
Gm18	48532460	48533459	Gmdrm	hypo	CHH	-0.0772
Gm18	48543305	48544286	Gmdrm	hypo	CHH	-0.0153
Gm18	48549818	48550483	Gmdrm	hypo	CHH	-0.0169
Gm18	48550661	48550992	Gmdrm	hypo	CHH	-0.0453
Gm18	48562880	48563879	Gmdrm	hypo	CHH	-0.0289
Gm18	48563924	48564892	Gmdrm	hypo	CHH	-0.1252
Gm18	48589952	48590943	Gmdrm	hypo	CHH	-0.0142
Gm18	48601620	48602576	Gmdrm	hypo	CHH	-0.0152
Gm18	48608848	48609841	Gmdrm	hypo	CHH	-0.0969
Gm18	48609860	48610832	Gmdrm	hypo	CHH	-0.0828
Gm18	48624882	48625802	Gmdrm	hypo	CHH	-0.1419
Gm18	48626891	48627798	Gmdrm	hypo	CHH	-0.0862
Gm18	48641046	48642043	Gmdrm	hypo	CHH	-0.1189
Gm18	48642065	48643047	Gmdrm	hypo	CHH	-0.1227
Gm18	48643234	48644231	Gmdrm	hypo	CHH	-0.1192
Gm18	48644236	48645092	Gmdrm	hypo	CHH	-0.1876
Gm18	48650397	48651385	Gmdrm	hypo	CHH	-0.0217
Gm18	48653455	48654455	Gmdrm	hypo	CHH	-0.0165
Gm18	48674950	48675868	Gmdrm	hypo	CHH	-0.0381
Gm18	48676246	48677246	Gmdrm	hypo	CHH	-0.0244
Gm18	48679897	48680886	Gmdrm	hypo	CHH	-0.116
Gm18	48683145	48684143	Gmdrm	hypo	CHH	-0.3351
Gm18	48685180	48686167	Gmdrm	hypo	CHH	-0.0494
Gm18	48686191	48687185	Gmdrm	hypo	CHH	-0.1127
Gm18	48712405	48713392	Gmdrm	hypo	CHH	-0.0415
Gm18	48719609	48720608	Gmdrm	hypo	CHH	-0.0648
Gm18	48720622	48721601	Gmdrm	hypo	CHH	-0.0292
Gm18	48734872	48735126	Gmdrm	hypo	CHH	-0.2136
Gm18	48751911	48752483	Gmdrm	hypo	CHH	-0.0222

Gm18	48797087	48798087 Gmdrm	hypo	CHH	-0.0126
Gm18	48798103	48799096 Gmdrm	hypo	CHH	-0.101
Gm18	48799108	48800107 Gmdrm	hypo	CHH	-0.0306
Gm18	48801128	48801480 Gmdrm	hypo	CHH	-0.0744
Gm18	48816773	48816947 Gmdrm	hypo	CHH	-0.096
Gm18	48820990	48821986 Gmdrm	hypo	CHH	-0.0223
Gm18	48822601	48823599 Gmdrm	hypo	CHH	-0.009
Gm18	48824991	48825983 Gmdrm	hypo	CHH	-0.0658
Gm18	48826011	48826685 Gmdrm	hypo	CHH	-0.0209
Gm18	48849046	48850023 Gmdrm	hypo	CHH	-0.0556
Gm18	48850053	48851014 Gmdrm	hypo	CHH	-0.0817
Gm18	48851056	48851593 Gmdrm	hypo	CHH	-0.0691
Gm18	48851750	48852750 Gmdrm	hypo	CHH	-0.0663
Gm18	48852752	48853750 Gmdrm	hypo	CHH	-0.0429
Gm18	48853755	48854753 Gmdrm	hypo	CHH	-0.0281
Gm18	48854770	48855694 Gmdrm	hypo	CHH	-0.0382
Gm18	48856018	48856948 Gmdrm	hypo	CHH	-0.0349
Gm18	48878396	48879385 Gmdrm	hypo	CHH	-0.1154
Gm18	48879427	48880426 Gmdrm	hypo	CHH	-0.0316
Gm18	48903892	48904313 Gmdrm	hypo	CHH	-0.0422
Gm18	48912055	48913053 Gmdrm	hypo	CHH	-0.0382
Gm18	48913068	48914067 Gmdrm	hypo	CHH	-0.0144
Gm18	48919261	48920249 Gmdrm	hypo	CHH	-0.0581
Gm18	48938676	48939649 Gmdrm	hypo	CHH	-0.0151
Gm18	48959654	48960285 Gmdrm	hypo	CHH	-0.1134
Gm18	48965254	48966251 Gmdrm	hypo	CHH	-0.044
Gm18	48972344	48973339 Gmdrm	hypo	CHH	-0.0352
Gm18	48985210	48986209 Gmdrm	hypo	CHH	-0.109
Gm18	49023996	49024877 Gmdrm	hypo	CHH	-0.1107
Gm18	49038669	49039669 Gmdrm	hypo	CHH	-0.0716
Gm18	49046945	49047523 Gmdrm	hypo	CHH	-0.1163
Gm18	49051774	49052754 Gmdrm	hypo	CHH	-0.0512
Gm18	49054982	49055957 Gmdrm	hypo	CHH	-0.0549
Gm18	49057014	49057998 Gmdrm	hypo	CHH	-0.0897
Gm18	49058023	49059013 Gmdrm	hypo	CHH	-0.1154
Gm18	49064205	49064459 Gmdrm	hypo	CHH	-0.1726
Gm18	49079758	49080752 Gmdrm	hypo	CHH	-0.0656
Gm18	49080775	49081771 Gmdrm	hypo	CHH	-0.0553
Gm18	49082812	49083800 Gmdrm	hypo	CHH	-0.032
Gm18	49083815	49084789 Gmdrm	hypo	CHH	-0.0496
Gm18	49086135	49087135 Gmdrm	hypo	CHH	-0.0571
Gm18	49087140	49088099 Gmdrm	hypo	CHH	-0.1198
Gm18	49088385	49089351 Gmdrm	hypo	CHH	-0.0227
Gm18	49092114	49093072 Gmdrm	hypo	CHH	-0.0444
Gm18	49093134	49093501 Gmdrm	hypo	CHH	-0.0425
Gm18	49107162	49108156 Gmdrm	hypo	CHH	-0.1237

Gm18	49132413	49133403	Gmdrm	hypo	CHH	-0.0292
Gm18	49137445	49138435	Gmdrm	hypo	CHH	-0.0219
Gm18	49141736	49142708	Gmdrm	hypo	CHH	-0.0272
Gm18	49148495	49149490	Gmdrm	hypo	CHH	-0.0152
Gm18	49153089	49154088	Gmdrm	hypo	CHH	-0.0632
Gm18	49163350	49164343	Gmdrm	hypo	CHH	-0.0163
Gm18	49165788	49166785	Gmdrm	hypo	CHH	-0.0225
Gm18	49166946	49167943	Gmdrm	hypo	CHH	-0.0502
Gm18	49167948	49168932	Gmdrm	hypo	CHH	-0.0615
Gm18	49169007	49169997	Gmdrm	hypo	CHH	-0.0932
Gm18	49182257	49183249	Gmdrm	hypo	CHH	-0.034
Gm18	49184260	49185235	Gmdrm	hypo	CHH	-0.1055
Gm18	49193622	49194621	Gmdrm	hypo	CHH	-0.2234
Gm18	49198165	49199162	Gmdrm	hypo	CHH	-0.0519
Gm18	49205160	49205908	Gmdrm	hypo	CHH	-0.0247
Gm18	49226423	49226513	Gmdrm	hypo	CHH	-0.16
Gm18	49226680	49227671	Gmdrm	hypo	CHH	-0.0416
Gm18	49231969	49232236	Gmdrm	hypo	CHH	-0.0222
Gm18	49233417	49233597	Gmdrm	hypo	CHH	-0.04
Gm18	49240765	49241717	Gmdrm	hypo	CHH	-0.0459
Gm18	49258198	49259193	Gmdrm	hypo	CHH	-0.2144
Gm18	49263397	49264395	Gmdrm	hypo	CHH	-0.0635
Gm18	49264403	49265392	Gmdrm	hypo	CHH	-0.063
Gm18	49266423	49267414	Gmdrm	hypo	CHH	-0.1514
Gm18	49275896	49276886	Gmdrm	hypo	CHH	-0.0644
Gm18	49277078	49278070	Gmdrm	hypo	CHH	-0.0184
Gm18	49278437	49278905	Gmdrm	hypo	CHH	-0.0471
Gm18	49281612	49282601	Gmdrm	hypo	CHH	-0.0457
Gm18	49286427	49287410	Gmdrm	hypo	CHH	-0.0172
Gm18	49288275	49289273	Gmdrm	hypo	CHH	-0.0568
Gm18	49320315	49320530	Gmdrm	hypo	CHH	-0.121
Gm18	49330619	49331398	Gmdrm	hypo	CHH	-0.0188
Gm18	49331783	49332778	Gmdrm	hypo	CHH	-0.0512
Gm18	49334956	49335954	Gmdrm	hypo	CHH	-0.0936
Gm18	49335964	49336943	Gmdrm	hypo	CHH	-0.0513
Gm18	49337018	49338017	Gmdrm	hypo	CHH	-0.0278
Gm18	49341754	49342748	Gmdrm	hypo	CHH	-0.0613
Gm18	49342760	49343688	Gmdrm	hypo	CHH	-0.0339
Gm18	49344375	49345357	Gmdrm	hypo	CHH	-0.0277
Gm18	49349208	49350206	Gmdrm	hypo	CHH	-0.1232
Gm18	49374357	49375356	Gmdrm	hypo	CHH	-0.0916
Gm18	49377076	49378046	Gmdrm	hypo	CHH	-0.1258
Gm18	49378082	49379073	Gmdrm	hypo	CHH	-0.1768
Gm18	49382414	49383412	Gmdrm	hypo	CHH	-0.0215
Gm18	49407531	49408531	Gmdrm	hypo	CHH	-0.0394
Gm18	49417943	49418928	Gmdrm	hypo	CHH	-0.0147

Gm18	49430498	49430726 Gmdrm	hypo	CHH	-0.025
Gm18	49430999	49431999 Gmdrm	hypo	CHH	-0.0545
Gm18	49453997	49454985 Gmdrm	hypo	CHH	-0.018
Gm18	49455044	49456040 Gmdrm	hypo	CHH	-0.0489
Gm18	49456047	49457047 Gmdrm	hypo	CHH	-0.0649
Gm18	49457054	49458048 Gmdrm	hypo	CHH	-0.0477
Gm18	49458078	49459076 Gmdrm	hypo	CHH	-0.0551
Gm18	49459082	49460058 Gmdrm	hypo	CHH	-0.0514
Gm18	49467678	49468662 Gmdrm	hypo	CHH	-0.013
Gm18	49468693	49468932 Gmdrm	hypo	CHH	-0.0533
Gm18	49471249	49472236 Gmdrm	hypo	CHH	-0.0366
Gm18	49546484	49546608 Gmdrm	hypo	CHH	-0.034
Gm18	49558505	49559118 Gmdrm	hypo	CHH	-0.0205
Gm18	49559231	49560230 Gmdrm	hypo	CHH	-0.154
Gm18	49564262	49565260 Gmdrm	hypo	CHH	-0.0395
Gm18	49567294	49568286 Gmdrm	hypo	CHH	-0.0199
Gm18	49569655	49570616 Gmdrm	hypo	CHH	-0.0247
Gm18	49575856	49576845 Gmdrm	hypo	CHH	-0.0314
Gm18	49576940	49577938 Gmdrm	hypo	CHH	-0.1438
Gm18	49577942	49578115 Gmdrm	hypo	CHH	-0.2596
Gm18	49578438	49579385 Gmdrm	hypo	CHH	-0.1379
Gm18	49579453	49580443 Gmdrm	hypo	CHH	-0.1087
Gm18	49589494	49590487 Gmdrm	hypo	CHH	-0.011
Gm18	49590505	49591484 Gmdrm	hypo	CHH	-0.0626
Gm18	49595379	49596352 Gmdrm	hypo	CHH	-0.0172
Gm18	49604331	49605314 Gmdrm	hypo	CHH	-0.0139
Gm18	49606341	49607340 Gmdrm	hypo	CHH	-0.212
Gm18	49614938	49615932 Gmdrm	hypo	CHH	-0.0477
Gm18	49615947	49616947 Gmdrm	hypo	CHH	-0.04
Gm18	49620097	49620566 Gmdrm	hypo	CHH	-0.032
Gm18	49620669	49621224 Gmdrm	hypo	CHH	-0.0163
Gm18	49625546	49625645 Gmdrm	hypo	CHH	-0.0463
Gm18	49626774	49627760 Gmdrm	hypo	CHH	-0.0186
Gm18	49629512	49630510 Gmdrm	hypo	CHH	-0.0118
Gm18	49631393	49632390 Gmdrm	hypo	CHH	-0.0554
Gm18	49632395	49633365 Gmdrm	hypo	CHH	-0.1078
Gm18	49636367	49637168 Gmdrm	hypo	CHH	-0.0374
Gm18	49638437	49639290 Gmdrm	hypo	CHH	-0.0373
Gm18	49639693	49640311 Gmdrm	hypo	CHH	-0.0482
Gm18	49642499	49642739 Gmdrm	hypo	CHH	-0.0611
Gm18	49643916	49644833 Gmdrm	hypo	CHH	-0.2394
Gm18	49645042	49645509 Gmdrm	hypo	CHH	-0.1909
Gm18	49671169	49672165 Gmdrm	hypo	CHH	-0.0158
Gm18	49674208	49675206 Gmdrm	hypo	CHH	-0.0629
Gm18	49675210	49676184 Gmdrm	hypo	CHH	-0.0319
Gm18	49685569	49686568 Gmdrm	hypo	CHH	-0.0824

Gm18	49686573	49687247	Gmdrm	hypo	CHH	-0.0895
Gm18	49716157	49717153	Gmdrm	hypo	CHH	-0.0269
Gm18	49718867	49719150	Gmdrm	hypo	CHH	-0.1539
Gm18	49750147	49751123	Gmdrm	hypo	CHH	-0.0345
Gm18	49753172	49754166	Gmdrm	hypo	CHH	-0.0334
Gm18	49776591	49777580	Gmdrm	hypo	CHH	-0.0991
Gm18	49778610	49779488	Gmdrm	hypo	CHH	-0.0719
Gm18	49786737	49787728	Gmdrm	hypo	CHH	-0.2212
Gm18	49788827	49789084	Gmdrm	hypo	CHH	-0.0494
Gm18	49805328	49806327	Gmdrm	hypo	CHH	-0.1726
Gm18	49806329	49807322	Gmdrm	hypo	CHH	-0.0327
Gm18	49810284	49811279	Gmdrm	hypo	CHH	-0.3267
Gm18	49811288	49811768	Gmdrm	hypo	CHH	-0.1172
Gm18	49817101	49818093	Gmdrm	hypo	CHH	-0.1487
Gm18	49818104	49819098	Gmdrm	hypo	CHH	-0.0831
Gm18	49821346	49821996	Gmdrm	hypo	CHH	-0.017
Gm18	49834477	49835451	Gmdrm	hypo	CHH	-0.0259
Gm18	49883984	49884982	Gmdrm	hypo	CHH	-0.038
Gm18	49884994	49885412	Gmdrm	hypo	CHH	-0.0265
Gm18	49888541	49889530	Gmdrm	hypo	CHH	-0.0156
Gm18	49894717	49895237	Gmdrm	hypo	CHH	-0.032
Gm18	49907255	49908247	Gmdrm	hypo	CHH	-0.0304
Gm18	49908257	49909253	Gmdrm	hypo	CHH	-0.0223
Gm18	49910428	49911426	Gmdrm	hypo	CHH	-0.0116
Gm18	49913349	49914349	Gmdrm	hypo	CHH	-0.0179
Gm18	49915396	49916233	Gmdrm	hypo	CHH	-0.0183
Gm18	49917366	49918361	Gmdrm	hypo	CHH	-0.0774
Gm18	49918368	49919338	Gmdrm	hypo	CHH	-0.0583
Gm18	49919428	49919920	Gmdrm	hypo	CHH	-0.0457
Gm18	49925014	49926013	Gmdrm	hypo	CHH	-0.0731
Gm18	49934882	49935878	Gmdrm	hypo	CHH	-0.1043
Gm18	49935883	49936871	Gmdrm	hypo	CHH	-0.085
Gm18	49960448	49961328	Gmdrm	hypo	CHH	-0.039
Gm18	49961638	49962618	Gmdrm	hypo	CHH	-0.0398
Gm18	49963656	49964621	Gmdrm	hypo	CHH	-0.039
Gm18	49970326	49970711	Gmdrm	hypo	CHH	-0.0344
Gm18	49973196	49974188	Gmdrm	hypo	CHH	-0.0342
Gm18	49991075	49992067	Gmdrm	hypo	CHH	-0.0549
Gm18	49992076	49993052	Gmdrm	hypo	CHH	-0.0846
Gm18	49993084	49993606	Gmdrm	hypo	CHH	-0.0359
Gm18	49994717	49995662	Gmdrm	hypo	CHH	-0.0412
Gm18	50000396	50001396	Gmdrm	hypo	CHH	-0.11
Gm18	50001399	50001820	Gmdrm	hypo	CHH	-0.1319
Gm18	50011548	50012548	Gmdrm	hypo	CHH	-0.057
Gm18	50016578	50017541	Gmdrm	hypo	CHH	-0.0482
Gm18	50021536	50022514	Gmdrm	hypo	CHH	-0.0211

Gm18	50027669	50028637	Gmdrm	hypo	CHH	-0.026
Gm18	50032162	50033158	Gmdrm	hypo	CHH	-0.0415
Gm18	50034167	50035167	Gmdrm	hypo	CHH	-0.0324
Gm18	50035181	50035590	Gmdrm	hypo	CHH	-0.0389
Gm18	50042994	50043961	Gmdrm	hypo	CHH	-0.0162
Gm18	50045485	50046178	Gmdrm	hypo	CHH	-0.0267
Gm18	50050674	50051663	Gmdrm	hypo	CHH	-0.0885
Gm18	50051675	50052602	Gmdrm	hypo	CHH	-0.0138
Gm18	50056030	50057015	Gmdrm	hypo	CHH	-0.0239
Gm18	50065315	50065708	Gmdrm	hypo	CHH	-0.0266
Gm18	50067510	50068500	Gmdrm	hypo	CHH	-0.0338
Gm18	50068513	50069511	Gmdrm	hypo	CHH	-0.0519
Gm18	50069519	50070514	Gmdrm	hypo	CHH	-0.1204
Gm18	50070526	50071521	Gmdrm	hypo	CHH	-0.0595
Gm18	50075198	50075831	Gmdrm	hypo	CHH	-0.372
Gm18	50075932	50076932	Gmdrm	hypo	CHH	-0.2323
Gm18	50076935	50077908	Gmdrm	hypo	CHH	-0.0665
Gm18	50078114	50078848	Gmdrm	hypo	CHH	-0.0308
Gm18	50080976	50081975	Gmdrm	hypo	CHH	-0.0497
Gm18	50086619	50087128	Gmdrm	hypo	CHH	-0.06
Gm18	50089047	50090041	Gmdrm	hypo	CHH	-0.0213
Gm18	50096101	50097100	Gmdrm	hypo	CHH	-0.0597
Gm18	50097102	50098102	Gmdrm	hypo	CHH	-0.0792
Gm18	50098110	50099110	Gmdrm	hypo	CHH	-0.0431
Gm18	50103392	50104381	Gmdrm	hypo	CHH	-0.0257
Gm18	50105131	50106131	Gmdrm	hypo	CHH	-0.0803
Gm18	50107145	50108143	Gmdrm	hypo	CHH	-0.1449
Gm18	50120664	50121664	Gmdrm	hypo	CHH	-0.0116
Gm18	50130665	50131652	Gmdrm	hypo	CHH	-0.0168
Gm18	50134193	50135183	Gmdrm	hypo	CHH	-0.0167
Gm18	50137218	50137439	Gmdrm	hypo	CHH	-0.0243
Gm18	50152426	50153393	Gmdrm	hypo	CHH	-0.0796
Gm18	50154446	50155444	Gmdrm	hypo	CHH	-0.0721
Gm18	50155463	50156461	Gmdrm	hypo	CHH	-0.0618
Gm18	50161918	50162916	Gmdrm	hypo	CHH	-0.0666
Gm18	50162920	50163920	Gmdrm	hypo	CHH	-0.0784
Gm18	50163929	50164917	Gmdrm	hypo	CHH	-0.136
Gm18	50164930	50165700	Gmdrm	hypo	CHH	-0.0741
Gm18	50179987	50180986	Gmdrm	hypo	CHH	-0.0948
Gm18	50186033	50187008	Gmdrm	hypo	CHH	-0.0821
Gm18	50190510	50191215	Gmdrm	hypo	CHH	-0.0296
Gm18	50191543	50192510	Gmdrm	hypo	CHH	-0.0419
Gm18	50194460	50195455	Gmdrm	hypo	CHH	-0.1299
Gm18	50195463	50196292	Gmdrm	hypo	CHH	-0.091
Gm18	50196411	50197409	Gmdrm	hypo	CHH	-0.0376
Gm18	50197455	50198417	Gmdrm	hypo	CHH	-0.0242

Gm18	50214850	50215824	Gmdrm	hypo	CHH	-0.0176
Gm18	50232101	50233101	Gmdrm	hypo	CHH	-0.0529
Gm18	50239877	50240865	Gmdrm	hypo	CHH	-0.0896
Gm18	50240883	50241863	Gmdrm	hypo	CHH	-0.0508
Gm18	50241884	50242878	Gmdrm	hypo	CHH	-0.0178
Gm18	50242892	50243887	Gmdrm	hypo	CHH	-0.0342
Gm18	50247529	50247665	Gmdrm	hypo	CHH	-0.0471
Gm18	50268528	50269528	Gmdrm	hypo	CHH	-0.1238
Gm18	50269538	50270538	Gmdrm	hypo	CHH	-0.0788
Gm18	50270539	50270674	Gmdrm	hypo	CHH	-0.0715
Gm18	50274909	50275704	Gmdrm	hypo	CHH	-0.0399
Gm18	50276137	50277125	Gmdrm	hypo	CHH	-0.0205
Gm18	50278690	50278741	Gmdrm	hypo	CHH	-0.076
Gm18	50288447	50289441	Gmdrm	hypo	CHH	-0.1284
Gm18	50290464	50291461	Gmdrm	hypo	CHH	-0.0255
Gm18	50295659	50296655	Gmdrm	hypo	CHH	-0.0658
Gm18	50296661	50297660	Gmdrm	hypo	CHH	-0.0462
Gm18	50309126	50309752	Gmdrm	hypo	CHH	-0.0265
Gm18	50317952	50318951	Gmdrm	hypo	CHH	-0.0701
Gm18	50318955	50319928	Gmdrm	hypo	CHH	-0.0336
Gm18	50321985	50322454	Gmdrm	hypo	CHH	-0.04
Gm18	50326978	50327942	Gmdrm	hypo	CHH	-0.058
Gm18	50328016	50329011	Gmdrm	hypo	CHH	-0.0377
Gm18	50336655	50337653	Gmdrm	hypo	CHH	-0.1034
Gm18	50337689	50338685	Gmdrm	hypo	CHH	-0.161
Gm18	50339117	50340092	Gmdrm	hypo	CHH	-0.3046
Gm18	50340972	50341964	Gmdrm	hypo	CHH	-0.0719
Gm18	50341974	50342888	Gmdrm	hypo	CHH	-0.0909
Gm18	50347081	50347562	Gmdrm	hypo	CHH	-0.042
Gm18	50361464	50362254	Gmdrm	hypo	CHH	-0.0361
Gm18	50362605	50363599	Gmdrm	hypo	CHH	-0.0563
Gm18	50363617	50364609	Gmdrm	hypo	CHH	-0.0285
Gm18	50367066	50368033	Gmdrm	hypo	CHH	-0.0304
Gm18	50379158	50380142	Gmdrm	hypo	CHH	-0.027
Gm18	50380883	50381874	Gmdrm	hypo	CHH	-0.0685
Gm18	50390460	50391436	Gmdrm	hypo	CHH	-0.0387
Gm18	50391467	50392452	Gmdrm	hypo	CHH	-0.0646
Gm18	50392483	50393332	Gmdrm	hypo	CHH	-0.0476
Gm18	50404851	50405846	Gmdrm	hypo	CHH	-0.0713
Gm18	50412059	50413052	Gmdrm	hypo	CHH	-0.1303
Gm18	50421388	50422047	Gmdrm	hypo	CHH	-0.0187
Gm18	50423647	50424631	Gmdrm	hypo	CHH	-0.0352
Gm18	50432398	50432732	Gmdrm	hypo	CHH	-0.0457
Gm18	50453516	50454512	Gmdrm	hypo	CHH	-0.0141
Gm18	50457983	50458979	Gmdrm	hypo	CHH	-0.0149
Gm18	50461030	50462026	Gmdrm	hypo	CHH	-0.031

Gm18	50464054	50465051	Gmdrm	hypo	CHH	-0.0206
Gm18	50465079	50466069	Gmdrm	hypo	CHH	-0.0659
Gm18	50469132	50470101	Gmdrm	hypo	CHH	-0.0481
Gm18	50470156	50471149	Gmdrm	hypo	CHH	-0.0269
Gm18	50471180	50472082	Gmdrm	hypo	CHH	-0.0192
Gm18	50474959	50475941	Gmdrm	hypo	CHH	-0.019
Gm18	50475965	50476943	Gmdrm	hypo	CHH	-0.0176
Gm18	50495183	50496023	Gmdrm	hypo	CHH	-0.0095
Gm18	50499262	50500258	Gmdrm	hypo	CHH	-0.0178
Gm18	50507047	50508046	Gmdrm	hypo	CHH	-0.0532
Gm18	50512081	50513052	Gmdrm	hypo	CHH	-0.0224
Gm18	50515389	50516383	Gmdrm	hypo	CHH	-0.0545
Gm18	50517429	50518413	Gmdrm	hypo	CHH	-0.0306
Gm18	50518431	50519425	Gmdrm	hypo	CHH	-0.0652
Gm18	50519435	50520431	Gmdrm	hypo	CHH	-0.0394
Gm18	50520440	50521439	Gmdrm	hypo	CHH	-0.0507
Gm18	50526462	50527458	Gmdrm	hypo	CHH	-0.0176
Gm18	50527470	50527836	Gmdrm	hypo	CHH	-0.0423
Gm18	50537279	50538279	Gmdrm	hypo	CHH	-0.0427
Gm18	50538281	50539280	Gmdrm	hypo	CHH	-0.0808
Gm18	50545450	50546445	Gmdrm	hypo	CHH	-0.1933
Gm18	50555074	50556039	Gmdrm	hypo	CHH	-0.0138
Gm18	50559095	50560095	Gmdrm	hypo	CHH	-0.0623
Gm18	50569075	50570061	Gmdrm	hypo	CHH	-0.0235
Gm18	50577223	50578214	Gmdrm	hypo	CHH	-0.021
Gm18	50586491	50587489	Gmdrm	hypo	CHH	-0.0153
Gm18	50618602	50619019	Gmdrm	hypo	CHH	-0.0672
Gm18	50619141	50620092	Gmdrm	hypo	CHH	-0.1003
Gm18	50621182	50622176	Gmdrm	hypo	CHH	-0.2275
Gm18	50637879	50638869	Gmdrm	hypo	CHH	-0.0558
Gm18	50654474	50655473	Gmdrm	hypo	CHH	-0.0523
Gm18	50666401	50667208	Gmdrm	hypo	CHH	-0.0505
Gm18	50667314	50668313	Gmdrm	hypo	CHH	-0.0138
Gm18	50684378	50685372	Gmdrm	hypo	CHH	-0.1135
Gm18	50686579	50687366	Gmdrm	hypo	CHH	-0.0204
Gm18	50691419	50692386	Gmdrm	hypo	CHH	-0.0849
Gm18	50695728	50696724	Gmdrm	hypo	CHH	-0.0262
Gm18	50718453	50719439	Gmdrm	hypo	CHH	-0.0133
Gm18	50721454	50722441	Gmdrm	hypo	CHH	-0.0393
Gm18	50723466	50724429	Gmdrm	hypo	CHH	-0.009
Gm18	50730726	50731716	Gmdrm	hypo	CHH	-0.0755
Gm18	50751648	50752645	Gmdrm	hypo	CHH	-0.0948
Gm18	50752653	50753622	Gmdrm	hypo	CHH	-0.0153
Gm18	50759323	50759751	Gmdrm	hypo	CHH	-0.0295
Gm18	50766118	50767118	Gmdrm	hypo	CHH	-0.1038
Gm18	50767317	50768305	Gmdrm	hypo	CHH	-0.0193

Gm18	50776180	50777177	Gmdrm	hypo	CHH	-0.0387
Gm18	50781237	50782086	Gmdrm	hypo	CHH	-0.0553
Gm18	50783138	50784123	Gmdrm	hypo	CHH	-0.138
Gm18	50784166	50784494	Gmdrm	hypo	CHH	-0.1123
Gm18	50785599	50786589	Gmdrm	hypo	CHH	-0.1316
Gm18	50797590	50798585	Gmdrm	hypo	CHH	-0.0171
Gm18	50806868	50807293	Gmdrm	hypo	CHH	-0.0453
Gm18	50812675	50813656	Gmdrm	hypo	CHH	-0.038
Gm18	50817283	50818282	Gmdrm	hypo	CHH	-0.0122
Gm18	50822421	50823419	Gmdrm	hypo	CHH	-0.0265
Gm18	50824464	50825425	Gmdrm	hypo	CHH	-0.066
Gm18	50827511	50827773	Gmdrm	hypo	CHH	-0.0238
Gm18	50828229	50829179	Gmdrm	hypo	CHH	-0.0162
Gm18	50830285	50831278	Gmdrm	hypo	CHH	-0.3947
Gm18	50832338	50832928	Gmdrm	hypo	CHH	-0.0307
Gm18	50833085	50834077	Gmdrm	hypo	CHH	-0.0112
Gm18	50841050	50842025	Gmdrm	hypo	CHH	-0.0579
Gm18	50844233	50845231	Gmdrm	hypo	CHH	-0.1059
Gm18	50846241	50846951	Gmdrm	hypo	CHH	-0.2371
Gm18	50858754	50859750	Gmdrm	hypo	CHH	-0.13
Gm18	50859757	50860711	Gmdrm	hypo	CHH	-0.189
Gm18	50861994	50862993	Gmdrm	hypo	CHH	-0.0207
Gm18	50865596	50866590	Gmdrm	hypo	CHH	-0.0257
Gm18	50866602	50867597	Gmdrm	hypo	CHH	-0.1443
Gm18	50886277	50887259	Gmdrm	hypo	CHH	-0.0357
Gm18	50889319	50890317	Gmdrm	hypo	CHH	-0.0113
Gm18	50907708	50908708	Gmdrm	hypo	CHH	-0.0453
Gm18	50918750	50919546	Gmdrm	hypo	CHH	-0.0702
Gm18	50920689	50921678	Gmdrm	hypo	CHH	-0.0857
Gm18	50921690	50922671	Gmdrm	hypo	CHH	-0.0935
Gm18	50922695	50923688	Gmdrm	hypo	CHH	-0.0366
Gm18	50923705	50924702	Gmdrm	hypo	CHH	-0.1636
Gm18	50924706	50925700	Gmdrm	hypo	CHH	-0.0815
Gm18	50929120	50930112	Gmdrm	hypo	CHH	-0.0113
Gm18	50932153	50933102	Gmdrm	hypo	CHH	-0.0204
Gm18	50939923	50940920	Gmdrm	hypo	CHH	-0.0094
Gm18	50941146	50942146	Gmdrm	hypo	CHH	-0.0283
Gm18	50942151	50943146	Gmdrm	hypo	CHH	-0.0543
Gm18	50951950	50952947	Gmdrm	hypo	CHH	-0.0165
Gm18	50960502	50961493	Gmdrm	hypo	CHH	-0.0212
Gm18	50962383	50962735	Gmdrm	hypo	CHH	-0.0538
Gm18	50964988	50965963	Gmdrm	hypo	CHH	-0.0126
Gm18	50973518	50973650	Gmdrm	hypo	CHH	-0.07
Gm18	50977072	50978054	Gmdrm	hypo	CHH	-0.0535
Gm18	50979113	50980110	Gmdrm	hypo	CHH	-0.0246
Gm18	50980961	50981958	Gmdrm	hypo	CHH	-0.0163

Gm18	50981964	50982958	Gmdrm	hypo	CHH	-0.2093
Gm18	50982967	50983950	Gmdrm	hypo	CHH	-0.12
Gm18	50983970	50984965	Gmdrm	hypo	CHH	-0.2147
Gm18	50985665	50986616	Gmdrm	hypo	CHH	-0.1378
Gm18	50986666	50987591	Gmdrm	hypo	CHH	-0.072
Gm18	50988715	50989705	Gmdrm	hypo	CHH	-0.2573
Gm18	50993016	50993108	Gmdrm	hypo	CHH	-0.062
Gm18	51004787	51005778	Gmdrm	hypo	CHH	-0.0153
Gm18	51005795	51005977	Gmdrm	hypo	CHH	-0.026
Gm18	51007100	51008100	Gmdrm	hypo	CHH	-0.0201
Gm18	51008111	51009099	Gmdrm	hypo	CHH	-0.069
Gm18	51009119	51009631	Gmdrm	hypo	CHH	-0.0388
Gm18	51015948	51016946	Gmdrm	hypo	CHH	-0.1264
Gm18	51020480	51021462	Gmdrm	hypo	CHH	-0.1489
Gm18	51023523	51024516	Gmdrm	hypo	CHH	-0.1621
Gm18	51025336	51026332	Gmdrm	hypo	CHH	-0.0642
Gm18	51026337	51027330	Gmdrm	hypo	CHH	-0.0617
Gm18	51027343	51028339	Gmdrm	hypo	CHH	-0.0937
Gm18	51028345	51029341	Gmdrm	hypo	CHH	-0.0655
Gm18	51029346	51030345	Gmdrm	hypo	CHH	-0.0753
Gm18	51031353	51032353	Gmdrm	hypo	CHH	-0.1573
Gm18	51040826	51041795	Gmdrm	hypo	CHH	-0.0174
Gm18	51042883	51043850	Gmdrm	hypo	CHH	-0.0155
Gm18	51058880	51059847	Gmdrm	hypo	CHH	-0.1261
Gm18	51061936	51062934	Gmdrm	hypo	CHH	-0.153
Gm18	51062937	51063920	Gmdrm	hypo	CHH	-0.1153
Gm18	51075820	51076819	Gmdrm	hypo	CHH	-0.0424
Gm18	51076827	51077803	Gmdrm	hypo	CHH	-0.0162
Gm18	51092833	51093809	Gmdrm	hypo	CHH	-0.098
Gm18	51094889	51095879	Gmdrm	hypo	CHH	-0.0385
Gm18	51102992	51103293	Gmdrm	hypo	CHH	-0.0178
Gm18	51111851	51112846	Gmdrm	hypo	CHH	-0.0419
Gm18	51112853	51113852	Gmdrm	hypo	CHH	-0.0555
Gm18	51114709	51115416	Gmdrm	hypo	CHH	-0.0375
Gm18	51115586	51116544	Gmdrm	hypo	CHH	-0.0916
Gm18	51119387	51119694	Gmdrm	hypo	CHH	-0.0296
Gm18	51128623	51129621	Gmdrm	hypo	CHH	-0.0797
Gm18	51129624	51130624	Gmdrm	hypo	CHH	-0.0631
Gm18	51133011	51134009	Gmdrm	hypo	CHH	-0.028
Gm18	51134029	51135022	Gmdrm	hypo	CHH	-0.0892
Gm18	51135031	51136028	Gmdrm	hypo	CHH	-0.141
Gm18	51142342	51143092	Gmdrm	hypo	CHH	-0.0169
Gm18	51143238	51144233	Gmdrm	hypo	CHH	-0.0319
Gm18	51144248	51145235	Gmdrm	hypo	CHH	-0.0877
Gm18	51157267	51158255	Gmdrm	hypo	CHH	-0.017
Gm18	51159272	51160272	Gmdrm	hypo	CHH	-0.0609

Gm18	51160280	51161251	Gmdrm	hypo	CHH	-0.0836
Gm18	51161327	51162323	Gmdrm	hypo	CHH	-0.2225
Gm18	51174101	51175085	Gmdrm	hypo	CHH	-0.026
Gm18	51175108	51176105	Gmdrm	hypo	CHH	-0.0441
Gm18	51177514	51178495	Gmdrm	hypo	CHH	-0.074
Gm18	51191243	51191536	Gmdrm	hypo	CHH	-0.0278
Gm18	51191905	51192889	Gmdrm	hypo	CHH	-0.0142
Gm18	51196614	51197604	Gmdrm	hypo	CHH	-0.0178
Gm18	51198741	51199738	Gmdrm	hypo	CHH	-0.0466
Gm18	51200752	51201735	Gmdrm	hypo	CHH	-0.055
Gm18	51201755	51202749	Gmdrm	hypo	CHH	-0.0619
Gm18	51202757	51203738	Gmdrm	hypo	CHH	-0.1055
Gm18	51211204	51212184	Gmdrm	hypo	CHH	-0.0134
Gm18	51222294	51223258	Gmdrm	hypo	CHH	-0.0167
Gm18	51238286	51238338	Gmdrm	hypo	CHH	-0.0914
Gm18	51238489	51239156	Gmdrm	hypo	CHH	-0.0287
Gm18	51241847	51242845	Gmdrm	hypo	CHH	-0.0621
Gm18	51242848	51243838	Gmdrm	hypo	CHH	-0.0638
Gm18	51243859	51244840	Gmdrm	hypo	CHH	-0.0348
Gm18	51244863	51245841	Gmdrm	hypo	CHH	-0.0596
Gm18	51248518	51249515	Gmdrm	hypo	CHH	-0.1165
Gm18	51257110	51258109	Gmdrm	hypo	CHH	-0.0715
Gm18	51258112	51259101	Gmdrm	hypo	CHH	-0.1727
Gm18	51261552	51262552	Gmdrm	hypo	CHH	-0.0869
Gm18	51262554	51262587	Gmdrm	hypo	CHH	-0.0475
Gm18	51263733	51264720	Gmdrm	hypo	CHH	-0.021
Gm18	51266308	51267274	Gmdrm	hypo	CHH	-0.036
Gm18	51267327	51268321	Gmdrm	hypo	CHH	-0.1048
Gm18	51268332	51268671	Gmdrm	hypo	CHH	-0.1492
Gm18	51270645	51271591	Gmdrm	hypo	CHH	-0.0283
Gm18	51271816	51272814	Gmdrm	hypo	CHH	-0.1559
Gm18	51273792	51274759	Gmdrm	hypo	CHH	-0.2521
Gm18	51276852	51277851	Gmdrm	hypo	CHH	-0.2267
Gm18	51277854	51278783	Gmdrm	hypo	CHH	-0.1309
Gm18	51278862	51279840	Gmdrm	hypo	CHH	-0.0639
Gm18	51286546	51287017	Gmdrm	hypo	CHH	-0.0216
Gm18	51292256	51293247	Gmdrm	hypo	CHH	-0.0565
Gm18	51299209	51300209	Gmdrm	hypo	CHH	-0.0421
Gm18	51300217	51301217	Gmdrm	hypo	CHH	-0.0942
Gm18	51301218	51302197	Gmdrm	hypo	CHH	-0.0658
Gm18	51314392	51315370	Gmdrm	hypo	CHH	-0.036
Gm18	51338616	51339616	Gmdrm	hypo	CHH	-0.0787
Gm18	51347303	51348081	Gmdrm	hypo	CHH	-0.2857
Gm18	51348659	51349300	Gmdrm	hypo	CHH	-0.1822
Gm18	51349532	51350513	Gmdrm	hypo	CHH	-0.1535
Gm18	51350558	51351555	Gmdrm	hypo	CHH	-0.0184

Gm18	51351562	51352552	Gmdrm	hypo	CHH	-0.0187
Gm18	51363689	51364679	Gmdrm	hypo	CHH	-0.0295
Gm18	51364690	51365686	Gmdrm	hypo	CHH	-0.0774
Gm18	51411094	51412093	Gmdrm	hypo	CHH	-0.0284
Gm18	51414426	51415278	Gmdrm	hypo	CHH	-0.0414
Gm18	51418096	51419078	Gmdrm	hypo	CHH	-0.0252
Gm18	51422137	51423126	Gmdrm	hypo	CHH	-0.0457
Gm18	51424159	51424896	Gmdrm	hypo	CHH	-0.0195
Gm18	51434960	51435398	Gmdrm	hypo	CHH	-0.0368
Gm18	51435849	51436725	Gmdrm	hypo	CHH	-0.0418
Gm18	51439664	51440480	Gmdrm	hypo	CHH	-0.0429
Gm18	51441882	51442788	Gmdrm	hypo	CHH	-0.0575
Gm18	51452714	51453708	Gmdrm	hypo	CHH	-0.0724
Gm18	51453727	51454718	Gmdrm	hypo	CHH	-0.0654
Gm18	51454728	51455352	Gmdrm	hypo	CHH	-0.0231
Gm18	51455454	51455672	Gmdrm	hypo	CHH	-0.0514
Gm18	51459048	51460038	Gmdrm	hypo	CHH	-0.0293
Gm18	51472247	51473239	Gmdrm	hypo	CHH	-0.026
Gm18	51474264	51475240	Gmdrm	hypo	CHH	-0.0306
Gm18	51502709	51503122	Gmdrm	hypo	CHH	-0.038
Gm18	51503246	51504184	Gmdrm	hypo	CHH	-0.1497
Gm18	51506294	51507286	Gmdrm	hypo	CHH	-0.4339
Gm18	51507303	51508279	Gmdrm	hypo	CHH	-0.0215
Gm18	51510488	51511485	Gmdrm	hypo	CHH	-0.023
Gm18	51512567	51513564	Gmdrm	hypo	CHH	-0.0286
Gm18	51520338	51521337	Gmdrm	hypo	CHH	-0.0642
Gm18	51530199	51530670	Gmdrm	hypo	CHH	-0.0394
Gm18	51543184	51543810	Gmdrm	hypo	CHH	-0.023
Gm18	51547942	51548938	Gmdrm	hypo	CHH	-0.1829
Gm18	51557994	51558956	Gmdrm	hypo	CHH	-0.1838
Gm18	51577813	51578811	Gmdrm	hypo	CHH	-0.013
Gm18	51586435	51587432	Gmdrm	hypo	CHH	-0.1005
Gm18	51587473	51588447	Gmdrm	hypo	CHH	-0.126
Gm18	51591626	51592604	Gmdrm	hypo	CHH	-0.1457
Gm18	51593639	51594620	Gmdrm	hypo	CHH	-0.1459
Gm18	51594646	51595388	Gmdrm	hypo	CHH	-0.122
Gm18	51597938	51598784	Gmdrm	hypo	CHH	-0.4757
Gm18	51602347	51603344	Gmdrm	hypo	CHH	-0.1909
Gm18	51603354	51604352	Gmdrm	hypo	CHH	-0.1206
Gm18	51604357	51605357	Gmdrm	hypo	CHH	-0.1922
Gm18	51606366	51607356	Gmdrm	hypo	CHH	-0.1429
Gm18	51619736	51620735	Gmdrm	hypo	CHH	-0.0859
Gm18	51622385	51623383	Gmdrm	hypo	CHH	-0.0786
Gm18	51623389	51624387	Gmdrm	hypo	CHH	-0.0705
Gm18	51631695	51631764	Gmdrm	hypo	CHH	-0.0818
Gm18	51633087	51634062	Gmdrm	hypo	CHH	-0.2446

Gm18	51641461	51642432	Gmdrm	hypo	CHH	-0.0158
Gm18	51660922	51661552	Gmdrm	hypo	CHH	-0.0225
Gm18	51662171	51663160	Gmdrm	hypo	CHH	-0.0617
Gm18	51663176	51664174	Gmdrm	hypo	CHH	-0.0445
Gm18	51676664	51677635	Gmdrm	hypo	CHH	-0.0356
Gm18	51682208	51682994	Gmdrm	hypo	CHH	-0.0567
Gm18	51683299	51684299	Gmdrm	hypo	CHH	-0.0338
Gm18	51692108	51693040	Gmdrm	hypo	CHH	-0.0128
Gm18	51693142	51694064	Gmdrm	hypo	CHH	-0.4127
Gm18	51694163	51694431	Gmdrm	hypo	CHH	-0.0245
Gm18	51695547	51695999	Gmdrm	hypo	CHH	-0.0383
Gm18	51696181	51697168	Gmdrm	hypo	CHH	-0.024
Gm18	51715330	51716328	Gmdrm	hypo	CHH	-0.0335
Gm18	51720816	51721802	Gmdrm	hypo	CHH	-0.0565
Gm18	51731260	51731631	Gmdrm	hypo	CHH	-0.0711
Gm18	51747715	51748349	Gmdrm	hypo	CHH	-0.2624
Gm18	51750936	51751008	Gmdrm	hypo	CHH	-0.0529
Gm18	51773809	51774799	Gmdrm	hypo	CHH	-0.0198
Gm18	51775831	51775958	Gmdrm	hypo	CHH	-0.0443
Gm18	51783134	51783521	Gmdrm	hypo	CHH	-0.0314
Gm18	51789686	51790008	Gmdrm	hypo	CHH	-0.0637
Gm18	51790239	51791237	Gmdrm	hypo	CHH	-0.0473
Gm18	51822118	51823098	Gmdrm	hypo	CHH	-0.0055
Gm18	51823126	51824089	Gmdrm	hypo	CHH	-0.0895
Gm18	51824138	51825138	Gmdrm	hypo	CHH	-0.0065
Gm18	51827145	51828135	Gmdrm	hypo	CHH	-0.0105
Gm18	51836152	51837146	Gmdrm	hypo	CHH	-0.0322
Gm18	51852846	51853839	Gmdrm	hypo	CHH	-0.043
Gm18	51853849	51854777	Gmdrm	hypo	CHH	-0.1021
Gm18	51855174	51855484	Gmdrm	hypo	CHH	-0.28
Gm18	51860852	51861142	Gmdrm	hypo	CHH	-0.059
Gm18	51890095	51891090	Gmdrm	hypo	CHH	-0.0231
Gm18	51894745	51895732	Gmdrm	hypo	CHH	-0.0115
Gm18	51907720	51908326	Gmdrm	hypo	CHH	-0.1095
Gm18	51916049	51917048	Gmdrm	hypo	CHH	-0.0472
Gm18	51918747	51919746	Gmdrm	hypo	CHH	-0.1005
Gm18	51919752	51920744	Gmdrm	hypo	CHH	-0.07
Gm18	51928771	51929768	Gmdrm	hypo	CHH	-0.0129
Gm18	51929778	51930778	Gmdrm	hypo	CHH	-0.1698
Gm18	51943122	51944122	Gmdrm	hypo	CHH	-0.0562
Gm18	51950165	51951159	Gmdrm	hypo	CHH	-0.0257
Gm18	51956223	51957220	Gmdrm	hypo	CHH	-0.1146
Gm18	51964733	51965698	Gmdrm	hypo	CHH	-0.0627
Gm18	51967617	51967917	Gmdrm	hypo	CHH	-0.0342
Gm18	51984562	51985557	Gmdrm	hypo	CHH	-0.0135
Gm18	51987031	51987998	Gmdrm	hypo	CHH	-0.2047

Gm18	51992953	51993952	Gmdrm	hypo	CHH	-0.0251
Gm18	51993957	51994953	Gmdrm	hypo	CHH	-0.0711
Gm18	51995969	51996969	Gmdrm	hypo	CHH	-0.0408
Gm18	51996978	51997970	Gmdrm	hypo	CHH	-0.0425
Gm18	52008660	52008915	Gmdrm	hypo	CHH	-0.0272
Gm18	52009017	52010017	Gmdrm	hypo	CHH	-0.0223
Gm18	52016329	52017327	Gmdrm	hypo	CHH	-0.0232
Gm18	52025457	52026456	Gmdrm	hypo	CHH	-0.0307
Gm18	52026458	52027455	Gmdrm	hypo	CHH	-0.068
Gm18	52038818	52039818	Gmdrm	hypo	CHH	-0.0323
Gm18	52070893	52071890	Gmdrm	hypo	CHH	-0.0879
Gm18	52071895	52072762	Gmdrm	hypo	CHH	-0.2259
Gm18	52076392	52077391	Gmdrm	hypo	CHH	-0.2808
Gm18	52082349	52082781	Gmdrm	hypo	CHH	-0.0234
Gm18	52096004	52096932	Gmdrm	hypo	CHH	-0.0218
Gm18	52104918	52105914	Gmdrm	hypo	CHH	-0.0168
Gm18	52107853	52108793	Gmdrm	hypo	CHH	-0.0711
Gm18	52111884	52112875	Gmdrm	hypo	CHH	-0.0136
Gm18	52112901	52113900	Gmdrm	hypo	CHH	-0.0443
Gm18	52113949	52114535	Gmdrm	hypo	CHH	-0.1597
Gm18	52124523	52125338	Gmdrm	hypo	CHH	-0.0713
Gm18	52130629	52131517	Gmdrm	hypo	CHH	-0.0152
Gm18	52133166	52133929	Gmdrm	hypo	CHH	-0.0224
Gm18	52137356	52138355	Gmdrm	hypo	CHH	-0.042
Gm18	52138357	52139302	Gmdrm	hypo	CHH	-0.0801
Gm18	52146483	52147480	Gmdrm	hypo	CHH	-0.0278
Gm18	52147497	52148057	Gmdrm	hypo	CHH	-0.062
Gm18	52157875	52158873	Gmdrm	hypo	CHH	-0.0364
Gm18	52162838	52163838	Gmdrm	hypo	CHH	-0.0545
Gm18	52178989	52179985	Gmdrm	hypo	CHH	-0.0155
Gm18	52180030	52181014	Gmdrm	hypo	CHH	-0.0286
Gm18	52182270	52182561	Gmdrm	hypo	CHH	-0.038
Gm18	52187200	52188182	Gmdrm	hypo	CHH	-0.0299
Gm18	52188914	52189908	Gmdrm	hypo	CHH	-0.0339
Gm18	52201936	52202926	Gmdrm	hypo	CHH	-0.0108
Gm18	52205857	52206854	Gmdrm	hypo	CHH	-0.1616
Gm18	52206863	52207832	Gmdrm	hypo	CHH	-0.0186
Gm18	52213344	52214344	Gmdrm	hypo	CHH	-0.054
Gm18	52243137	52244060	Gmdrm	hypo	CHH	-0.0484
Gm18	52245179	52246172	Gmdrm	hypo	CHH	-0.0196
Gm18	52250526	52251374	Gmdrm	hypo	CHH	-0.077
Gm18	52253625	52254584	Gmdrm	hypo	CHH	-0.0282
Gm18	52265058	52266054	Gmdrm	hypo	CHH	-0.0116
Gm18	52272464	52273455	Gmdrm	hypo	CHH	-0.0275
Gm18	52273466	52274455	Gmdrm	hypo	CHH	-0.0227
Gm18	52274475	52275195	Gmdrm	hypo	CHH	-0.0424

Gm18	52275303	52276296	Gmdrm	hypo	CHH	-0.0198
Gm18	52279385	52280385	Gmdrm	hypo	CHH	-0.0289
Gm18	52280403	52281399	Gmdrm	hypo	CHH	-0.0092
Gm18	52290274	52291272	Gmdrm	hypo	CHH	-0.1142
Gm18	52291293	52291940	Gmdrm	hypo	CHH	-0.0388
Gm18	52295558	52296548	Gmdrm	hypo	CHH	-0.0587
Gm18	52297611	52298611	Gmdrm	hypo	CHH	-0.0173
Gm18	52298616	52299616	Gmdrm	hypo	CHH	-0.0087
Gm18	52299627	52300618	Gmdrm	hypo	CHH	-0.0137
Gm18	52302479	52303479	Gmdrm	hypo	CHH	-0.2788
Gm18	52303484	52304454	Gmdrm	hypo	CHH	-0.1332
Gm18	52304485	52305005	Gmdrm	hypo	CHH	-0.2503
Gm18	52312291	52313085	Gmdrm	hypo	CHH	-0.0285
Gm18	52313326	52314324	Gmdrm	hypo	CHH	-0.0342
Gm18	52314329	52315327	Gmdrm	hypo	CHH	-0.0768
Gm18	52329387	52330379	Gmdrm	hypo	CHH	-0.0137
Gm18	52336636	52337628	Gmdrm	hypo	CHH	-0.1095
Gm18	52337638	52338635	Gmdrm	hypo	CHH	-0.0357
Gm18	52349048	52350045	Gmdrm	hypo	CHH	-0.0338
Gm18	52354691	52355666	Gmdrm	hypo	CHH	-0.1195
Gm18	52358767	52359354	Gmdrm	hypo	CHH	-0.0879
Gm18	52369088	52370079	Gmdrm	hypo	CHH	-0.0132
Gm18	52371134	52371664	Gmdrm	hypo	CHH	-0.0231
Gm18	52372619	52373545	Gmdrm	hypo	CHH	-0.097
Gm18	52374106	52375104	Gmdrm	hypo	CHH	-0.0712
Gm18	52375108	52376108	Gmdrm	hypo	CHH	-0.035
Gm18	52381158	52382157	Gmdrm	hypo	CHH	-0.0163
Gm18	52382202	52383186	Gmdrm	hypo	CHH	-0.0145
Gm18	52384663	52385656	Gmdrm	hypo	CHH	-0.0682
Gm18	52386693	52386942	Gmdrm	hypo	CHH	-0.0275
Gm18	52391653	52392651	Gmdrm	hypo	CHH	-0.0304
Gm18	52392654	52393647	Gmdrm	hypo	CHH	-0.0186
Gm18	52394664	52395630	Gmdrm	hypo	CHH	-0.0239
Gm18	52398769	52399756	Gmdrm	hypo	CHH	-0.1031
Gm18	52399773	52400770	Gmdrm	hypo	CHH	-0.0217
Gm18	52400783	52401773	Gmdrm	hypo	CHH	-0.0235
Gm18	52405877	52406876	Gmdrm	hypo	CHH	-0.0379
Gm18	52409402	52410389	Gmdrm	hypo	CHH	-0.2327
Gm18	52420779	52421776	Gmdrm	hypo	CHH	-0.0138
Gm18	52430300	52431282	Gmdrm	hypo	CHH	-0.0895
Gm18	52431309	52432308	Gmdrm	hypo	CHH	-0.1058
Gm18	52432311	52433124	Gmdrm	hypo	CHH	-0.0754
Gm18	52433981	52434146	Gmdrm	hypo	CHH	-0.07
Gm18	52449944	52450943	Gmdrm	hypo	CHH	-0.2623
Gm18	52451353	52452347	Gmdrm	hypo	CHH	-0.231
Gm18	52461442	52462435	Gmdrm	hypo	CHH	-0.022

Gm18	52462451	52463438	Gmdrm	hypo	CHH	-0.0408
Gm18	52466900	52467715	Gmdrm	hypo	CHH	-0.1938
Gm18	52468172	52469142	Gmdrm	hypo	CHH	-0.0305
Gm18	52469177	52470176	Gmdrm	hypo	CHH	-0.1209
Gm18	52470181	52470553	Gmdrm	hypo	CHH	-0.1987
Gm18	52470735	52471713	Gmdrm	hypo	CHH	-0.0285
Gm18	52483566	52484554	Gmdrm	hypo	CHH	-0.0824
Gm18	52484568	52485553	Gmdrm	hypo	CHH	-0.1032
Gm18	52494215	52495199	Gmdrm	hypo	CHH	-0.0224
Gm18	52515161	52516160	Gmdrm	hypo	CHH	-0.0221
Gm18	52516166	52517163	Gmdrm	hypo	CHH	-0.0501
Gm18	52517169	52518158	Gmdrm	hypo	CHH	-0.0294
Gm18	52524991	52525982	Gmdrm	hypo	CHH	-0.1317
Gm18	52526032	52527029	Gmdrm	hypo	CHH	-0.1595
Gm18	52527085	52528084	Gmdrm	hypo	CHH	-0.0749
Gm18	52528092	52528630	Gmdrm	hypo	CHH	-0.1885
Gm18	52533314	52534312	Gmdrm	hypo	CHH	-0.0322
Gm18	52547453	52548401	Gmdrm	hypo	CHH	-0.0138
Gm18	52559326	52560325	Gmdrm	hypo	CHH	-0.0109
Gm18	52560329	52561315	Gmdrm	hypo	CHH	-0.0546
Gm18	52561725	52562688	Gmdrm	hypo	CHH	-0.1064
Gm18	52568249	52569237	Gmdrm	hypo	CHH	-0.0115
Gm18	52570255	52570755	Gmdrm	hypo	CHH	-0.2102
Gm18	52571271	52572265	Gmdrm	hypo	CHH	-0.107
Gm18	52576362	52577361	Gmdrm	hypo	CHH	-0.0331
Gm18	52578297	52578974	Gmdrm	hypo	CHH	-0.0629
Gm18	52592268	52592564	Gmdrm	hypo	CHH	-0.0712
Gm18	52592674	52593646	Gmdrm	hypo	CHH	-0.0269
Gm18	52599582	52600577	Gmdrm	hypo	CHH	-0.0588
Gm18	52600586	52600920	Gmdrm	hypo	CHH	-0.0282
Gm18	52602266	52603192	Gmdrm	hypo	CHH	-0.0667
Gm18	52603999	52604986	Gmdrm	hypo	CHH	-0.046
Gm18	52605027	52605896	Gmdrm	hypo	CHH	-0.0375
Gm18	52606138	52607136	Gmdrm	hypo	CHH	-0.053
Gm18	52607146	52608142	Gmdrm	hypo	CHH	-0.0321
Gm18	52608173	52609169	Gmdrm	hypo	CHH	-0.0139
Gm18	52609176	52610169	Gmdrm	hypo	CHH	-0.0319
Gm18	52610182	52610530	Gmdrm	hypo	CHH	-0.0757
Gm18	52611803	52612556	Gmdrm	hypo	CHH	-0.0172
Gm18	52616130	52617095	Gmdrm	hypo	CHH	-0.0431
Gm18	52620217	52621210	Gmdrm	hypo	CHH	-0.0233
Gm18	52621218	52621524	Gmdrm	hypo	CHH	-0.0535
Gm18	52627962	52628958	Gmdrm	hypo	CHH	-0.0587
Gm18	52629971	52630971	Gmdrm	hypo	CHH	-0.0191
Gm18	52638555	52639550	Gmdrm	hypo	CHH	-0.1782
Gm18	52639557	52640553	Gmdrm	hypo	CHH	-0.1129

Gm18	52640560	52641558	Gmdrm	hypo	CHH	-0.0587
Gm18	52646383	52647197	Gmdrm	hypo	CHH	-0.0378
Gm18	52672420	52673093	Gmdrm	hypo	CHH	-0.0117
Gm18	52676319	52677314	Gmdrm	hypo	CHH	-0.0271
Gm18	52677343	52678292	Gmdrm	hypo	CHH	-0.0577
Gm18	52691057	52692027	Gmdrm	hypo	CHH	-0.0194
Gm18	52702193	52703189	Gmdrm	hypo	CHH	-0.0478
Gm18	52713011	52713965	Gmdrm	hypo	CHH	-0.0267
Gm18	52720610	52721596	Gmdrm	hypo	CHH	-0.0232
Gm18	52721632	52722632	Gmdrm	hypo	CHH	-0.0164
Gm18	52725131	52726124	Gmdrm	hypo	CHH	-0.0522
Gm18	52727054	52728025	Gmdrm	hypo	CHH	-0.1827
Gm18	52733262	52734261	Gmdrm	hypo	CHH	-0.1485
Gm18	52734264	52735058	Gmdrm	hypo	CHH	-0.0906
Gm18	52735813	52735958	Gmdrm	hypo	CHH	-0.035
Gm18	52736062	52736627	Gmdrm	hypo	CHH	-0.1924
Gm18	52743159	52744155	Gmdrm	hypo	CHH	-0.0237
Gm18	52746610	52747287	Gmdrm	hypo	CHH	-0.0296
Gm18	52748044	52748986	Gmdrm	hypo	CHH	-0.0591
Gm18	52749071	52750067	Gmdrm	hypo	CHH	-0.0155
Gm18	52751660	52752628	Gmdrm	hypo	CHH	-0.0129
Gm18	52752684	52753676	Gmdrm	hypo	CHH	-0.0416
Gm18	52758102	52759100	Gmdrm	hypo	CHH	-0.0282
Gm18	52763174	52764174	Gmdrm	hypo	CHH	-0.0145
Gm18	52769765	52770764	Gmdrm	hypo	CHH	-0.0171
Gm18	52773107	52774087	Gmdrm	hypo	CHH	-0.1155
Gm18	52774112	52774895	Gmdrm	hypo	CHH	-0.0775
Gm18	52780360	52781360	Gmdrm	hypo	CHH	-0.0774
Gm18	52792848	52793574	Gmdrm	hypo	CHH	-0.0168
Gm18	52797530	52798528	Gmdrm	hypo	CHH	-0.1916
Gm18	52801410	52802156	Gmdrm	hypo	CHH	-0.0301
Gm18	52804970	52805897	Gmdrm	hypo	CHH	-0.0175
Gm18	52806993	52807991	Gmdrm	hypo	CHH	-0.027
Gm18	52807994	52808516	Gmdrm	hypo	CHH	-0.061
Gm18	52826671	52827643	Gmdrm	hypo	CHH	-0.089
Gm18	52829910	52830847	Gmdrm	hypo	CHH	-0.0275
Gm18	52866016	52867014	Gmdrm	hypo	CHH	-0.1078
Gm18	52875639	52876628	Gmdrm	hypo	CHH	-0.0154
Gm18	52876640	52877173	Gmdrm	hypo	CHH	-0.028
Gm18	52878081	52878908	Gmdrm	hypo	CHH	-0.1919
Gm18	52879199	52880185	Gmdrm	hypo	CHH	-0.0397
Gm18	52880201	52881185	Gmdrm	hypo	CHH	-0.2626
Gm18	52888336	52889329	Gmdrm	hypo	CHH	-0.0333
Gm18	52893857	52894834	Gmdrm	hypo	CHH	-0.0644
Gm18	52894868	52895866	Gmdrm	hypo	CHH	-0.0231
Gm18	52895869	52896858	Gmdrm	hypo	CHH	-0.039

Gm18	52904033	52905030	Gmdrm	hypo	CHH	-0.037
Gm18	52905035	52905773	Gmdrm	hypo	CHH	-0.0876
Gm18	52907930	52908929	Gmdrm	hypo	CHH	-0.0209
Gm18	52920978	52921957	Gmdrm	hypo	CHH	-0.0205
Gm18	52924748	52925747	Gmdrm	hypo	CHH	-0.1729
Gm18	52925749	52926738	Gmdrm	hypo	CHH	-0.1658
Gm18	52932604	52933212	Gmdrm	hypo	CHH	-0.0316
Gm18	52936030	52937020	Gmdrm	hypo	CHH	-0.0479
Gm18	52937061	52938056	Gmdrm	hypo	CHH	-0.024
Gm18	52945331	52946328	Gmdrm	hypo	CHH	-0.1631
Gm18	52946332	52947327	Gmdrm	hypo	CHH	-0.1939
Gm18	52962738	52963728	Gmdrm	hypo	CHH	-0.0247
Gm18	52965319	52965428	Gmdrm	hypo	CHH	-0.0558
Gm18	52969129	52970129	Gmdrm	hypo	CHH	-0.183
Gm18	52983146	52984143	Gmdrm	hypo	CHH	-0.0123
Gm18	52986247	52987218	Gmdrm	hypo	CHH	-0.1393
Gm18	52987277	52988222	Gmdrm	hypo	CHH	-0.0218
Gm18	52990297	52991273	Gmdrm	hypo	CHH	-0.0166
Gm18	52993328	52994320	Gmdrm	hypo	CHH	-0.0668
Gm18	52994339	52995253	Gmdrm	hypo	CHH	-0.0296
Gm18	53002696	53003686	Gmdrm	hypo	CHH	-0.0489
Gm18	53004709	53005698	Gmdrm	hypo	CHH	-0.0138
Gm18	53026483	53027415	Gmdrm	hypo	CHH	-0.0133
Gm18	53027663	53028656	Gmdrm	hypo	CHH	-0.1678
Gm18	53028666	53029661	Gmdrm	hypo	CHH	-0.0433
Gm18	53029669	53030611	Gmdrm	hypo	CHH	-0.0979
Gm18	53047540	53048477	Gmdrm	hypo	CHH	-0.0275
Gm18	53049842	53050733	Gmdrm	hypo	CHH	-0.0149
Gm18	53053514	53054492	Gmdrm	hypo	CHH	-0.0258
Gm18	53054566	53055565	Gmdrm	hypo	CHH	-0.0352
Gm18	53059787	53060509	Gmdrm	hypo	CHH	-0.0892
Gm18	53083360	53084351	Gmdrm	hypo	CHH	-0.0231
Gm18	53085408	53085699	Gmdrm	hypo	CHH	-0.0233
Gm18	53087715	53088620	Gmdrm	hypo	CHH	-0.0261
Gm18	53088721	53089711	Gmdrm	hypo	CHH	-0.0156
Gm18	53093341	53094325	Gmdrm	hypo	CHH	-0.038
Gm18	53094345	53095339	Gmdrm	hypo	CHH	-0.0297
Gm18	53095351	53096300	Gmdrm	hypo	CHH	-0.0404
Gm18	53098961	53099434	Gmdrm	hypo	CHH	-0.0236
Gm18	53109335	53110333	Gmdrm	hypo	CHH	-0.0404
Gm18	53110347	53111288	Gmdrm	hypo	CHH	-0.0589
Gm18	53119770	53120770	Gmdrm	hypo	CHH	-0.0634
Gm18	53121790	53122781	Gmdrm	hypo	CHH	-0.0665
Gm18	53132070	53133046	Gmdrm	hypo	CHH	-0.0182
Gm18	53141817	53142812	Gmdrm	hypo	CHH	-0.0123
Gm18	53146665	53147664	Gmdrm	hypo	CHH	-0.0568

Gm18	53161188	53161612 Gmdrm	hypo	CHH	-0.029
Gm18	53162852	53163842 Gmdrm	hypo	CHH	-0.0859
Gm18	53165889	53166886 Gmdrm	hypo	CHH	-0.1005
Gm18	53170274	53170433 Gmdrm	hypo	CHH	-0.1212
Gm18	53177306	53178305 Gmdrm	hypo	CHH	-0.1254
Gm18	53178310	53179181 Gmdrm	hypo	CHH	-0.0587
Gm18	53180947	53181189 Gmdrm	hypo	CHH	-0.1
Gm18	53194972	53195964 Gmdrm	hypo	CHH	-0.0169
Gm18	53195999	53196995 Gmdrm	hypo	CHH	-0.0147
Gm18	53204269	53205259 Gmdrm	hypo	CHH	-0.0191
Gm18	53207507	53207666 Gmdrm	hypo	CHH	-0.1
Gm18	53207769	53208028 Gmdrm	hypo	CHH	-0.0391
Gm18	53212697	53213697 Gmdrm	hypo	CHH	-0.0213
Gm18	53221834	53222828 Gmdrm	hypo	CHH	-0.0216
Gm18	53222841	53223641 Gmdrm	hypo	CHH	-0.0207
Gm18	53238049	53239024 Gmdrm	hypo	CHH	-0.0614
Gm18	53239055	53240051 Gmdrm	hypo	CHH	-0.0236
Gm18	53248709	53249709 Gmdrm	hypo	CHH	-0.0259
Gm18	53249720	53250717 Gmdrm	hypo	CHH	-0.0178
Gm18	53264556	53265546 Gmdrm	hypo	CHH	-0.0181
Gm18	53291677	53292658 Gmdrm	hypo	CHH	-0.0233
Gm18	53295189	53296181 Gmdrm	hypo	CHH	-0.0222
Gm18	53297635	53298629 Gmdrm	hypo	CHH	-0.1706
Gm18	53298637	53299620 Gmdrm	hypo	CHH	-0.085
Gm18	53304577	53305514 Gmdrm	hypo	CHH	-0.0299
Gm18	53307650	53308643 Gmdrm	hypo	CHH	-0.0404
Gm18	53308654	53309645 Gmdrm	hypo	CHH	-0.0601
Gm18	53313538	53313689 Gmdrm	hypo	CHH	-0.0661
Gm18	53313800	53314798 Gmdrm	hypo	CHH	-0.0475
Gm18	53315808	53316797 Gmdrm	hypo	CHH	-0.0413
Gm18	53316812	53317776 Gmdrm	hypo	CHH	-0.0377
Gm18	53317818	53318577 Gmdrm	hypo	CHH	-0.1441
Gm18	53327873	53328290 Gmdrm	hypo	CHH	-0.03
Gm18	53330090	53331058 Gmdrm	hypo	CHH	-0.0196
Gm18	53331101	53332053 Gmdrm	hypo	CHH	-0.1576
Gm18	53333949	53334923 Gmdrm	hypo	CHH	-0.0752
Gm18	53340935	53341931 Gmdrm	hypo	CHH	-0.0271
Gm18	53341939	53342938 Gmdrm	hypo	CHH	-0.0142
Gm18	53342946	53343927 Gmdrm	hypo	CHH	-0.0183
Gm18	53343950	53344922 Gmdrm	hypo	CHH	-0.0374
Gm18	53364108	53365072 Gmdrm	hypo	CHH	-0.0227
Gm18	53365276	53366275 Gmdrm	hypo	CHH	-0.0159
Gm18	53378654	53379449 Gmdrm	hypo	CHH	-0.0425
Gm18	53388538	53389537 Gmdrm	hypo	CHH	-0.0171
Gm18	53395278	53396275 Gmdrm	hypo	CHH	-0.0243
Gm18	53396292	53396639 Gmdrm	hypo	CHH	-0.0195

Gm18	53401971	53402970	Gmdrm	hypo	CHH	-0.0174
Gm18	53402976	53403960	Gmdrm	hypo	CHH	-0.0145
Gm18	53411624	53412334	Gmdrm	hypo	CHH	-0.0206
Gm18	53414327	53414563	Gmdrm	hypo	CHH	-0.0446
Gm18	53452731	53453724	Gmdrm	hypo	CHH	-0.0215
Gm18	53457262	53458247	Gmdrm	hypo	CHH	-0.0523
Gm18	53467763	53468757	Gmdrm	hypo	CHH	-0.151
Gm18	53480551	53481532	Gmdrm	hypo	CHH	-0.0232
Gm18	53481792	53482791	Gmdrm	hypo	CHH	-0.0566
Gm18	53485012	53485648	Gmdrm	hypo	CHH	-0.0192
Gm18	53493099	53494067	Gmdrm	hypo	CHH	-0.1594
Gm18	53509267	53510220	Gmdrm	hypo	CHH	-0.0107
Gm18	53527687	53528631	Gmdrm	hypo	CHH	-0.0261
Gm18	53555686	53556678	Gmdrm	hypo	CHH	-0.0658
Gm18	53556698	53557696	Gmdrm	hypo	CHH	-0.1151
Gm18	53560716	53561712	Gmdrm	hypo	CHH	-0.0284
Gm18	53561735	53562734	Gmdrm	hypo	CHH	-0.0283
Gm18	53573066	53574045	Gmdrm	hypo	CHH	-0.017
Gm18	53580738	53581736	Gmdrm	hypo	CHH	-0.2124
Gm18	53581739	53582283	Gmdrm	hypo	CHH	-0.0874
Gm18	53584450	53585010	Gmdrm	hypo	CHH	-0.043
Gm18	53588790	53589784	Gmdrm	hypo	CHH	-0.0656
Gm18	53594049	53595022	Gmdrm	hypo	CHH	-0.0738
Gm18	53598207	53598414	Gmdrm	hypo	CHH	-0.132
Gm18	53603811	53604798	Gmdrm	hypo	CHH	-0.1608
Gm18	53605827	53606820	Gmdrm	hypo	CHH	-0.1619
Gm18	53606829	53607827	Gmdrm	hypo	CHH	-0.1345
Gm18	53607833	53608822	Gmdrm	hypo	CHH	-0.1785
Gm18	53617611	53618584	Gmdrm	hypo	CHH	-0.0125
Gm18	53621672	53622661	Gmdrm	hypo	CHH	-0.029
Gm18	53624089	53625084	Gmdrm	hypo	CHH	-0.0162
Gm18	53655957	53656141	Gmdrm	hypo	CHH	-0.0319
Gm18	53660675	53661614	Gmdrm	hypo	CHH	-0.1533
Gm18	53672407	53673400	Gmdrm	hypo	CHH	-0.0392
Gm18	53673421	53674265	Gmdrm	hypo	CHH	-0.0695
Gm18	53676537	53677514	Gmdrm	hypo	CHH	-0.0147
Gm18	53678576	53679576	Gmdrm	hypo	CHH	-0.0484
Gm18	53679588	53679970	Gmdrm	hypo	CHH	-0.0559
Gm18	53680458	53681445	Gmdrm	hypo	CHH	-0.0188
Gm18	53681476	53682476	Gmdrm	hypo	CHH	-0.014
Gm18	53710932	53710967	Gmdrm	hypo	CHH	-0.086
Gm18	53711117	53712117	Gmdrm	hypo	CHH	-0.0622
Gm18	53712125	53713100	Gmdrm	hypo	CHH	-0.0497
Gm18	53714143	53715143	Gmdrm	hypo	CHH	-0.0516
Gm18	53717153	53718148	Gmdrm	hypo	CHH	-0.0454
Gm18	53718157	53719037	Gmdrm	hypo	CHH	-0.0366

Gm18	53721163	53722162	Gmdrm	hypo	CHH	-0.0445
Gm18	53723170	53724142	Gmdrm	hypo	CHH	-0.0522
Gm18	53724182	53725175	Gmdrm	hypo	CHH	-0.0671
Gm18	53725183	53726173	Gmdrm	hypo	CHH	-0.0212
Gm18	53754341	53755339	Gmdrm	hypo	CHH	-0.0156
Gm18	53755352	53756348	Gmdrm	hypo	CHH	-0.2608
Gm18	53756355	53757321	Gmdrm	hypo	CHH	-0.2114
Gm18	53759453	53760440	Gmdrm	hypo	CHH	-0.0257
Gm18	53760455	53761451	Gmdrm	hypo	CHH	-0.1715
Gm18	53761480	53761681	Gmdrm	hypo	CHH	-0.44
Gm18	53762785	53763784	Gmdrm	hypo	CHH	-0.1849
Gm18	53763786	53764591	Gmdrm	hypo	CHH	-0.4083
Gm18	53767779	53768777	Gmdrm	hypo	CHH	-0.1617
Gm18	53775092	53776071	Gmdrm	hypo	CHH	-0.015
Gm18	53779411	53780408	Gmdrm	hypo	CHH	-0.0142
Gm18	53792415	53793396	Gmdrm	hypo	CHH	-0.0152
Gm18	53797929	53798775	Gmdrm	hypo	CHH	-0.0228
Gm18	53818157	53819156	Gmdrm	hypo	CHH	-0.057
Gm18	53819169	53820145	Gmdrm	hypo	CHH	-0.0625
Gm18	53821935	53822932	Gmdrm	hypo	CHH	-0.02
Gm18	53825562	53826561	Gmdrm	hypo	CHH	-0.1068
Gm18	53826789	53827783	Gmdrm	hypo	CHH	-0.1176
Gm18	53827794	53827994	Gmdrm	hypo	CHH	-0.1445
Gm18	53828592	53829538	Gmdrm	hypo	CHH	-0.0486
Gm18	53829790	53830765	Gmdrm	hypo	CHH	-0.0189
Gm18	53841591	53842589	Gmdrm	hypo	CHH	-0.039
Gm18	53842593	53843591	Gmdrm	hypo	CHH	-0.0683
Gm18	53846034	53846318	Gmdrm	hypo	CHH	-0.0543
Gm18	53846424	53846587	Gmdrm	hypo	CHH	-0.0282
Gm18	53849810	53850809	Gmdrm	hypo	CHH	-0.0753
Gm18	53850968	53851948	Gmdrm	hypo	CHH	-0.0303
Gm18	53864388	53865385	Gmdrm	hypo	CHH	-0.0528
Gm18	53865392	53866096	Gmdrm	hypo	CHH	-0.1674
Gm18	53873434	53873514	Gmdrm	hypo	CHH	-0.055
Gm18	53874633	53875619	Gmdrm	hypo	CHH	-0.0148
Gm18	53882522	53883519	Gmdrm	hypo	CHH	-0.0286
Gm18	53884530	53884836	Gmdrm	hypo	CHH	-0.0264
Gm18	53896366	53897353	Gmdrm	hypo	CHH	-0.0185
Gm18	53900378	53901373	Gmdrm	hypo	CHH	-0.0338
Gm18	53907902	53908896	Gmdrm	hypo	CHH	-0.0679
Gm18	53909267	53910261	Gmdrm	hypo	CHH	-0.1373
Gm18	53910272	53911057	Gmdrm	hypo	CHH	-0.1189
Gm18	53912255	53913194	Gmdrm	hypo	CHH	-0.1663
Gm18	53914277	53915256	Gmdrm	hypo	CHH	-0.026
Gm18	53915291	53916260	Gmdrm	hypo	CHH	-0.0142
Gm18	53920735	53921718	Gmdrm	hypo	CHH	-0.0827

Gm18	53921740	53922630	Gmdrm	hypo	CHH	-0.0438
Gm18	53947971	53948971	Gmdrm	hypo	CHH	-0.2473
Gm18	53948974	53949931	Gmdrm	hypo	CHH	-0.1255
Gm18	53956964	53957098	Gmdrm	hypo	CHH	-0.0486
Gm18	53957209	53958195	Gmdrm	hypo	CHH	-0.0266
Gm18	53960077	53961076	Gmdrm	hypo	CHH	-0.0313
Gm18	53961099	53961842	Gmdrm	hypo	CHH	-0.0539
Gm18	53966269	53967269	Gmdrm	hypo	CHH	-0.0252
Gm18	53967270	53968264	Gmdrm	hypo	CHH	-0.0569
Gm18	53973674	53974673	Gmdrm	hypo	CHH	-0.0196
Gm18	53974676	53975660	Gmdrm	hypo	CHH	-0.0347
Gm18	53975722	53976717	Gmdrm	hypo	CHH	-0.0179
Gm18	53976737	53977724	Gmdrm	hypo	CHH	-0.042
Gm18	53977741	53978738	Gmdrm	hypo	CHH	-0.037
Gm18	54007576	54008532	Gmdrm	hypo	CHH	-0.116
Gm18	54010523	54011523	Gmdrm	hypo	CHH	-0.0329
Gm18	54011525	54011831	Gmdrm	hypo	CHH	-0.0487
Gm18	54013164	54014152	Gmdrm	hypo	CHH	-0.0123
Gm18	54018860	54019676	Gmdrm	hypo	CHH	-0.0354
Gm18	54022875	54023819	Gmdrm	hypo	CHH	-0.0272
Gm18	54023897	54024887	Gmdrm	hypo	CHH	-0.0683
Gm18	54036695	54036785	Gmdrm	hypo	CHH	-0.0667
Gm18	54047815	54048570	Gmdrm	hypo	CHH	-0.0172
Gm18	54050164	54050536	Gmdrm	hypo	CHH	-0.0467
Gm18	54058828	54059827	Gmdrm	hypo	CHH	-0.0498
Gm18	54059831	54060825	Gmdrm	hypo	CHH	-0.0551
Gm18	54060832	54061830	Gmdrm	hypo	CHH	-0.0306
Gm18	54071791	54072788	Gmdrm	hypo	CHH	-0.043
Gm18	54072793	54073786	Gmdrm	hypo	CHH	-0.0522
Gm18	54073820	54074769	Gmdrm	hypo	CHH	-0.1183
Gm18	54074983	54075806	Gmdrm	hypo	CHH	-0.1262
Gm18	54108191	54109183	Gmdrm	hypo	CHH	-0.0334
Gm18	54109199	54110199	Gmdrm	hypo	CHH	-0.021
Gm18	54117252	54118243	Gmdrm	hypo	CHH	-0.0197
Gm18	54132209	54132434	Gmdrm	hypo	CHH	-0.0211
Gm18	54132542	54133538	Gmdrm	hypo	CHH	-0.387
Gm18	54133550	54134518	Gmdrm	hypo	CHH	-0.0408
Gm18	54140404	54141396	Gmdrm	hypo	CHH	-0.0251
Gm18	54142367	54143364	Gmdrm	hypo	CHH	-0.0772
Gm18	54143368	54144319	Gmdrm	hypo	CHH	-0.2678
Gm18	54148031	54149022	Gmdrm	hypo	CHH	-0.0148
Gm18	54149037	54150036	Gmdrm	hypo	CHH	-0.0933
Gm18	54156936	54156992	Gmdrm	hypo	CHH	-0.076
Gm18	54158603	54159602	Gmdrm	hypo	CHH	-0.0242
Gm18	54165005	54166004	Gmdrm	hypo	CHH	-0.0212
Gm18	54167531	54167987	Gmdrm	hypo	CHH	-0.0226

Gm18	54171443	54172434	Gmdrm	hypo	CHH	-0.0123
Gm18	54177477	54177736	Gmdrm	hypo	CHH	-0.0941
Gm18	54177895	54178705	Gmdrm	hypo	CHH	-0.0422
Gm18	54182390	54183314	Gmdrm	hypo	CHH	-0.0472
Gm18	54184714	54185281	Gmdrm	hypo	CHH	-0.0237
Gm18	54197988	54198971	Gmdrm	hypo	CHH	-0.0232
Gm18	54199017	54200015	Gmdrm	hypo	CHH	-0.025
Gm18	54208581	54209580	Gmdrm	hypo	CHH	-0.1804
Gm18	54220352	54221352	Gmdrm	hypo	CHH	-0.0332
Gm18	54222439	54223435	Gmdrm	hypo	CHH	-0.0216
Gm18	54223448	54224446	Gmdrm	hypo	CHH	-0.0438
Gm18	54234592	54235167	Gmdrm	hypo	CHH	-0.0367
Gm18	54238904	54239770	Gmdrm	hypo	CHH	-0.0209
Gm18	54244050	54245023	Gmdrm	hypo	CHH	-0.0098
Gm18	54252344	54252970	Gmdrm	hypo	CHH	-0.0371
Gm18	54260649	54261648	Gmdrm	hypo	CHH	-0.0167
Gm18	54265438	54266438	Gmdrm	hypo	CHH	-0.0414
Gm18	54266453	54267437	Gmdrm	hypo	CHH	-0.0518
Gm18	54268493	54269486	Gmdrm	hypo	CHH	-0.267
Gm18	54287295	54288291	Gmdrm	hypo	CHH	-0.0638
Gm18	54288339	54288458	Gmdrm	hypo	CHH	-0.0388
Gm18	54296537	54297537	Gmdrm	hypo	CHH	-0.0399
Gm18	54305869	54306695	Gmdrm	hypo	CHH	-0.0577
Gm18	54312952	54313412	Gmdrm	hypo	CHH	-0.019
Gm18	54315596	54316582	Gmdrm	hypo	CHH	-0.0623
Gm18	54318417	54319345	Gmdrm	hypo	CHH	-0.0472
Gm18	54321432	54322428	Gmdrm	hypo	CHH	-0.0437
Gm18	54334716	54334971	Gmdrm	hypo	CHH	-0.0264
Gm18	54335099	54336091	Gmdrm	hypo	CHH	-0.02
Gm18	54336166	54337165	Gmdrm	hypo	CHH	-0.0139
Gm18	54344538	54345517	Gmdrm	hypo	CHH	-0.0651
Gm18	54348290	54349275	Gmdrm	hypo	CHH	-0.0501
Gm18	54349329	54350289	Gmdrm	hypo	CHH	-0.0521
Gm18	54350334	54350517	Gmdrm	hypo	CHH	-0.0615
Gm18	54350777	54351405	Gmdrm	hypo	CHH	-0.0888
Gm18	54361094	54362081	Gmdrm	hypo	CHH	-0.0505
Gm18	54362136	54363117	Gmdrm	hypo	CHH	-0.0811
Gm18	54368842	54369806	Gmdrm	hypo	CHH	-0.0213
Gm18	54370860	54371854	Gmdrm	hypo	CHH	-0.0134
Gm18	54371866	54372845	Gmdrm	hypo	CHH	-0.084
Gm18	54375441	54376441	Gmdrm	hypo	CHH	-0.0919
Gm18	54377485	54378463	Gmdrm	hypo	CHH	-0.0218
Gm18	54381001	54381978	Gmdrm	hypo	CHH	-0.0199
Gm18	54384990	54385570	Gmdrm	hypo	CHH	-0.0186
Gm18	54387634	54388624	Gmdrm	hypo	CHH	-0.1281
Gm18	54388642	54389628	Gmdrm	hypo	CHH	-0.019

Gm18	54404678	54405666 Gmdrm	hypo	CHH	-0.0758
Gm18	54430410	54430839 Gmdrm	hypo	CHH	-0.0367
Gm18	54430991	54431973 Gmdrm	hypo	CHH	-0.022
Gm18	54436751	54437257 Gmdrm	hypo	CHH	-0.0155
Gm18	54443753	54444752 Gmdrm	hypo	CHH	-0.0466
Gm18	54447725	54448688 Gmdrm	hypo	CHH	-0.0402
Gm18	54450946	54451903 Gmdrm	hypo	CHH	-0.05
Gm18	54451958	54452955 Gmdrm	hypo	CHH	-0.0261
Gm18	54452959	54453954 Gmdrm	hypo	CHH	-0.1002
Gm18	54459614	54460612 Gmdrm	hypo	CHH	-0.1545
Gm18	54460636	54461610 Gmdrm	hypo	CHH	-0.0877
Gm18	54467017	54468005 Gmdrm	hypo	CHH	-0.0244
Gm18	54490194	54491192 Gmdrm	hypo	CHH	-0.0209
Gm18	54503854	54504843 Gmdrm	hypo	CHH	-0.0182
Gm18	54510431	54511431 Gmdrm	hypo	CHH	-0.0267
Gm18	54515203	54515629 Gmdrm	hypo	CHH	-0.1106
Gm18	54516143	54517109 Gmdrm	hypo	CHH	-0.0538
Gm18	54527104	54527261 Gmdrm	hypo	CHH	-0.0463
Gm18	54539650	54540349 Gmdrm	hypo	CHH	-0.1533
Gm18	54547513	54548457 Gmdrm	hypo	CHH	-0.0476
Gm18	54557605	54558577 Gmdrm	hypo	CHH	-0.027
Gm18	54574447	54575446 Gmdrm	hypo	CHH	-0.0685
Gm18	54575454	54576449 Gmdrm	hypo	CHH	-0.0217
Gm18	54579180	54580176 Gmdrm	hypo	CHH	-0.0332
Gm18	54582536	54583409 Gmdrm	hypo	CHH	-0.0316
Gm18	54589286	54590016 Gmdrm	hypo	CHH	-0.0264
Gm18	54602479	54603477 Gmdrm	hypo	CHH	-0.0442
Gm18	54604489	54605449 Gmdrm	hypo	CHH	-0.0376
Gm18	54608333	54609331 Gmdrm	hypo	CHH	-0.0134
Gm18	54612868	54612951 Gmdrm	hypo	CHH	-0.0543
Gm18	54619942	54620942 Gmdrm	hypo	CHH	-0.0227
Gm18	54629685	54630670 Gmdrm	hypo	CHH	-0.0155
Gm18	54630695	54631508 Gmdrm	hypo	CHH	-0.0789
Gm18	54632655	54633633 Gmdrm	hypo	CHH	-0.0637
Gm18	54640945	54641829 Gmdrm	hypo	CHH	-0.0264
Gm18	54646542	54647001 Gmdrm	hypo	CHH	-0.0357
Gm18	54649151	54650148 Gmdrm	hypo	CHH	-0.0444
Gm18	54658179	54658828 Gmdrm	hypo	CHH	-0.1013
Gm18	54671925	54672042 Gmdrm	hypo	CHH	-0.0728
Gm18	54678634	54679634 Gmdrm	hypo	CHH	-0.0192
Gm18	54683077	54683899 Gmdrm	hypo	CHH	-0.0357
Gm18	54684003	54684980 Gmdrm	hypo	CHH	-0.0226
Gm18	54686780	54687753 Gmdrm	hypo	CHH	-0.0172
Gm18	54690375	54691329 Gmdrm	hypo	CHH	-0.0132
Gm18	54694502	54695499 Gmdrm	hypo	CHH	-0.0152
Gm18	54710382	54711285 Gmdrm	hypo	CHH	-0.0724

Gm18	54714608	54715068	Gmdrm	hypo	CHH	-0.035
Gm18	54715725	54716718	Gmdrm	hypo	CHH	-0.0337
Gm18	54732460	54733450	Gmdrm	hypo	CHH	-0.0173
Gm18	54747298	54748263	Gmdrm	hypo	CHH	-0.0479
Gm18	54748314	54749313	Gmdrm	hypo	CHH	-0.0562
Gm18	54755475	54756474	Gmdrm	hypo	CHH	-0.0418
Gm18	54760717	54761693	Gmdrm	hypo	CHH	-0.0207
Gm18	54765320	54766310	Gmdrm	hypo	CHH	-0.0179
Gm18	54766326	54767311	Gmdrm	hypo	CHH	-0.0399
Gm18	54792761	54793747	Gmdrm	hypo	CHH	-0.0234
Gm18	54799096	54800095	Gmdrm	hypo	CHH	-0.0794
Gm18	54800099	54801095	Gmdrm	hypo	CHH	-0.0508
Gm18	54801100	54802071	Gmdrm	hypo	CHH	-0.0373
Gm18	54803625	54804622	Gmdrm	hypo	CHH	-0.057
Gm18	54804628	54804725	Gmdrm	hypo	CHH	-0.1238
Gm18	54812709	54813705	Gmdrm	hypo	CHH	-0.0729
Gm18	54813711	54814702	Gmdrm	hypo	CHH	-0.0778
Gm18	54814721	54815720	Gmdrm	hypo	CHH	-0.024
Gm18	54815727	54816719	Gmdrm	hypo	CHH	-0.0855
Gm18	54816735	54817735	Gmdrm	hypo	CHH	-0.0831
Gm18	54817773	54817959	Gmdrm	hypo	CHH	-0.0391
Gm18	54832650	54833637	Gmdrm	hypo	CHH	-0.0669
Gm18	54833651	54834559	Gmdrm	hypo	CHH	-0.1278
Gm18	54839718	54840699	Gmdrm	hypo	CHH	-0.0105
Gm18	54842338	54843326	Gmdrm	hypo	CHH	-0.1437
Gm18	54843689	54844684	Gmdrm	hypo	CHH	-0.2202
Gm18	54845943	54846936	Gmdrm	hypo	CHH	-0.0133
Gm18	54851473	54851967	Gmdrm	hypo	CHH	-0.0787
Gm18	54854311	54855274	Gmdrm	hypo	CHH	-0.0242
Gm18	54856693	54857479	Gmdrm	hypo	CHH	-0.0367
Gm18	54866235	54866639	Gmdrm	hypo	CHH	-0.0296
Gm18	54875357	54876357	Gmdrm	hypo	CHH	-0.033
Gm18	54876366	54877363	Gmdrm	hypo	CHH	-0.0688
Gm18	54878391	54879375	Gmdrm	hypo	CHH	-0.0121
Gm18	54880588	54881581	Gmdrm	hypo	CHH	-0.1244
Gm18	54881607	54882594	Gmdrm	hypo	CHH	-0.0241
Gm18	54889851	54890844	Gmdrm	hypo	CHH	-0.0215
Gm18	54892088	54892723	Gmdrm	hypo	CHH	-0.0598
Gm18	54896502	54897493	Gmdrm	hypo	CHH	-0.0408
Gm18	54908027	54909027	Gmdrm	hypo	CHH	-0.2499
Gm18	54909028	54909602	Gmdrm	hypo	CHH	-0.2286
Gm18	54914022	54914165	Gmdrm	hypo	CHH	-0.0533
Gm18	54915269	54916261	Gmdrm	hypo	CHH	-0.0855
Gm18	54923779	54924779	Gmdrm	hypo	CHH	-0.0303
Gm18	54924787	54925770	Gmdrm	hypo	CHH	-0.0632
Gm18	54942032	54943030	Gmdrm	hypo	CHH	-0.0151

Gm18	54943036	54944033	Gmdrm	hypo	CHH	-0.0227
Gm18	54946749	54947746	Gmdrm	hypo	CHH	-0.0884
Gm18	54947752	54948740	Gmdrm	hypo	CHH	-0.1084
Gm18	54959799	54960795	Gmdrm	hypo	CHH	-0.16
Gm18	54975128	54976125	Gmdrm	hypo	CHH	-0.0767
Gm18	54976162	54976515	Gmdrm	hypo	CHH	-0.082
Gm18	54983448	54984448	Gmdrm	hypo	CHH	-0.0262
Gm18	54985459	54986447	Gmdrm	hypo	CHH	-0.0222
Gm18	54993468	54994466	Gmdrm	hypo	CHH	-0.0416
Gm18	54994471	54995470	Gmdrm	hypo	CHH	-0.0525
Gm18	54995507	54996496	Gmdrm	hypo	CHH	-0.0528
Gm18	55003850	55004842	Gmdrm	hypo	CHH	-0.0543
Gm18	55004870	55005870	Gmdrm	hypo	CHH	-0.0492
Gm18	55014269	55015233	Gmdrm	hypo	CHH	-0.021
Gm18	55023529	55024527	Gmdrm	hypo	CHH	-0.0555
Gm18	55030743	55030879	Gmdrm	hypo	CHH	-0.035
Gm18	55040543	55041541	Gmdrm	hypo	CHH	-0.0178
Gm18	55048180	55049165	Gmdrm	hypo	CHH	-0.0293
Gm18	55049197	55050197	Gmdrm	hypo	CHH	-0.0274
Gm18	55056711	55057360	Gmdrm	hypo	CHH	-0.0252
Gm18	55058448	55059390	Gmdrm	hypo	CHH	-0.0268
Gm18	55059456	55060428	Gmdrm	hypo	CHH	-0.0305
Gm18	55062475	55063468	Gmdrm	hypo	CHH	-0.045
Gm18	55068625	55069617	Gmdrm	hypo	CHH	-0.3192
Gm18	55082111	55083101	Gmdrm	hypo	CHH	-0.1475
Gm18	55085071	55086063	Gmdrm	hypo	CHH	-0.0795
Gm18	55088920	55089911	Gmdrm	hypo	CHH	-0.0231
Gm18	55105522	55106184	Gmdrm	hypo	CHH	-0.0158
Gm18	55113006	55114003	Gmdrm	hypo	CHH	-0.0217
Gm18	55114009	55115009	Gmdrm	hypo	CHH	-0.0182
Gm18	55116059	55116958	Gmdrm	hypo	CHH	-0.02
Gm18	55119888	55120307	Gmdrm	hypo	CHH	-0.0439
Gm18	55120428	55121422	Gmdrm	hypo	CHH	-0.0694
Gm18	55123860	55123933	Gmdrm	hypo	CHH	-0.16
Gm18	55127132	55128096	Gmdrm	hypo	CHH	-0.0166
Gm18	55140390	55141355	Gmdrm	hypo	CHH	-0.0154
Gm18	55144441	55145424	Gmdrm	hypo	CHH	-0.0159
Gm18	55149854	55149989	Gmdrm	hypo	CHH	-0.05
Gm18	55159650	55160650	Gmdrm	hypo	CHH	-0.012
Gm18	55181348	55182277	Gmdrm	hypo	CHH	-0.0627
Gm18	55195233	55196231	Gmdrm	hypo	CHH	-0.0181
Gm18	55200500	55201496	Gmdrm	hypo	CHH	-0.0597
Gm18	55201539	55202529	Gmdrm	hypo	CHH	-0.025
Gm18	55206817	55207815	Gmdrm	hypo	CHH	-0.0767
Gm18	55207821	55208004	Gmdrm	hypo	CHH	-0.1585
Gm18	55222609	55223607	Gmdrm	hypo	CHH	-0.1167

Gm18	55223614	55224609	Gmdrm	hypo	CHH	-0.1177
Gm18	55237108	55238050	Gmdrm	hypo	CHH	-0.0222
Gm18	55245049	55246040	Gmdrm	hypo	CHH	-0.1547
Gm18	55254530	55254764	Gmdrm	hypo	CHH	-0.0211
Gm18	55256460	55257459	Gmdrm	hypo	CHH	-0.116
Gm18	55263674	55264660	Gmdrm	hypo	CHH	-0.0131
Gm18	55273079	55274072	Gmdrm	hypo	CHH	-0.029
Gm18	55278081	55278345	Gmdrm	hypo	CHH	-0.0625
Gm18	55283266	55284265	Gmdrm	hypo	CHH	-0.0499
Gm18	55284281	55285278	Gmdrm	hypo	CHH	-0.1146
Gm18	55285291	55285882	Gmdrm	hypo	CHH	-0.0331
Gm18	55289660	55290624	Gmdrm	hypo	CHH	-0.0129
Gm18	55308051	55309045	Gmdrm	hypo	CHH	-0.0893
Gm18	55309052	55310043	Gmdrm	hypo	CHH	-0.0537
Gm18	55316463	55317442	Gmdrm	hypo	CHH	-0.0177
Gm18	55320525	55321517	Gmdrm	hypo	CHH	-0.0299
Gm18	55326389	55326588	Gmdrm	hypo	CHH	-0.0466
Gm18	55332613	55333612	Gmdrm	hypo	CHH	-0.1672
Gm18	55343094	55344084	Gmdrm	hypo	CHH	-0.0152
Gm18	55344118	55345117	Gmdrm	hypo	CHH	-0.0245
Gm18	55349311	55350243	Gmdrm	hypo	CHH	-0.0293
Gm18	55356788	55357728	Gmdrm	hypo	CHH	-0.0265
Gm18	55362324	55362838	Gmdrm	hypo	CHH	-0.217
Gm18	55373193	55373486	Gmdrm	hypo	CHH	-0.03
Gm18	55374017	55374968	Gmdrm	hypo	CHH	-0.0153
Gm18	55375024	55376000	Gmdrm	hypo	CHH	-0.0764
Gm18	55376027	55377017	Gmdrm	hypo	CHH	-0.0732
Gm18	55378033	55378975	Gmdrm	hypo	CHH	-0.0294
Gm18	55379050	55380038	Gmdrm	hypo	CHH	-0.0175
Gm18	55397679	55398467	Gmdrm	hypo	CHH	-0.3189
Gm18	55398748	55399697	Gmdrm	hypo	CHH	-0.0539
Gm18	55399804	55400796	Gmdrm	hypo	CHH	-0.082
Gm18	55406468	55407434	Gmdrm	hypo	CHH	-0.0172
Gm18	55410812	55411284	Gmdrm	hypo	CHH	-0.0315
Gm18	55417130	55418123	Gmdrm	hypo	CHH	-0.0466
Gm18	55419175	55420158	Gmdrm	hypo	CHH	-0.0153
Gm18	55425312	55426308	Gmdrm	hypo	CHH	-0.0173
Gm18	55431120	55432102	Gmdrm	hypo	CHH	-0.0749
Gm18	55432121	55433108	Gmdrm	hypo	CHH	-0.1608
Gm18	55433124	55434112	Gmdrm	hypo	CHH	-0.0682
Gm18	55443868	55444849	Gmdrm	hypo	CHH	-0.0197
Gm18	55445837	55445960	Gmdrm	hypo	CHH	-0.065
Gm18	55448767	55449409	Gmdrm	hypo	CHH	-0.037
Gm18	55458906	55459902	Gmdrm	hypo	CHH	-0.031
Gm18	55464471	55465470	Gmdrm	hypo	CHH	-0.1141
Gm18	55469585	55470582	Gmdrm	hypo	CHH	-0.0243

Gm18	55470822	55471778	Gmdrm	hypo	CHH	-0.0202
Gm18	55477486	55478483	Gmdrm	hypo	CHH	-0.3412
Gm18	55487702	55488702	Gmdrm	hypo	CHH	-0.3185
Gm18	55488732	55489729	Gmdrm	hypo	CHH	-0.1964
Gm18	55495955	55496186	Gmdrm	hypo	CHH	-0.0744
Gm18	55498696	55499691	Gmdrm	hypo	CHH	-0.0622
Gm18	55499697	55500572	Gmdrm	hypo	CHH	-0.1399
Gm18	55505416	55505517	Gmdrm	hypo	CHH	-0.2529
Gm18	55505852	55506097	Gmdrm	hypo	CHH	-0.1784
Gm18	55506593	55507588	Gmdrm	hypo	CHH	-0.0513
Gm18	55507596	55508593	Gmdrm	hypo	CHH	-0.1348
Gm18	55508606	55509588	Gmdrm	hypo	CHH	-0.118
Gm18	55511005	55511998	Gmdrm	hypo	CHH	-0.0786
Gm18	55512007	55513006	Gmdrm	hypo	CHH	-0.0974
Gm18	55516254	55516651	Gmdrm	hypo	CHH	-0.0265
Gm18	55516777	55517762	Gmdrm	hypo	CHH	-0.0261
Gm18	55518073	55518438	Gmdrm	hypo	CHH	-0.4128
Gm18	55519854	55520848	Gmdrm	hypo	CHH	-0.034
Gm18	55526490	55527490	Gmdrm	hypo	CHH	-0.1255
Gm18	55530473	55531409	Gmdrm	hypo	CHH	-0.0256
Gm18	55533491	55534466	Gmdrm	hypo	CHH	-0.0179
Gm18	55541854	55542850	Gmdrm	hypo	CHH	-0.1556
Gm18	55543874	55544871	Gmdrm	hypo	CHH	-0.0228
Gm18	55549844	55550843	Gmdrm	hypo	CHH	-0.1615
Gm18	55550850	55551848	Gmdrm	hypo	CHH	-0.0911
Gm18	55551852	55552837	Gmdrm	hypo	CHH	-0.0138
Gm18	55560007	55561000	Gmdrm	hypo	CHH	-0.0883
Gm18	55581421	55582414	Gmdrm	hypo	CHH	-0.0211
Gm18	55584436	55585407	Gmdrm	hypo	CHH	-0.0755
Gm18	55585925	55586878	Gmdrm	hypo	CHH	-0.1831
Gm18	55587110	55587171	Gmdrm	hypo	CHH	-0.075
Gm18	55587275	55588270	Gmdrm	hypo	CHH	-0.0791
Gm18	55596278	55596559	Gmdrm	hypo	CHH	-0.0408
Gm18	55596673	55597672	Gmdrm	hypo	CHH	-0.016
Gm18	55597682	55598651	Gmdrm	hypo	CHH	-0.0635
Gm18	55600811	55601794	Gmdrm	hypo	CHH	-0.2535
Gm18	55606008	55607007	Gmdrm	hypo	CHH	-0.0256
Gm18	55621291	55621749	Gmdrm	hypo	CHH	-0.0481
Gm18	55621897	55622883	Gmdrm	hypo	CHH	-0.0162
Gm18	55622902	55623902	Gmdrm	hypo	CHH	-0.0791
Gm18	55623906	55624902	Gmdrm	hypo	CHH	-0.0961
Gm18	55637734	55638732	Gmdrm	hypo	CHH	-0.0542
Gm18	55638735	55639700	Gmdrm	hypo	CHH	-0.0432
Gm18	55643322	55643537	Gmdrm	hypo	CHH	-0.05
Gm18	55647071	55648065	Gmdrm	hypo	CHH	-0.0466
Gm18	55649080	55649688	Gmdrm	hypo	CHH	-0.2015

Gm18	55664747	55665672	Gmdrm	hypo	CHH	-0.0603
Gm18	55670577	55671555	Gmdrm	hypo	CHH	-0.2796
Gm18	55672616	55673616	Gmdrm	hypo	CHH	-0.1747
Gm18	55673621	55674618	Gmdrm	hypo	CHH	-0.1104
Gm18	55674623	55675621	Gmdrm	hypo	CHH	-0.1896
Gm18	55675630	55676001	Gmdrm	hypo	CHH	-0.5168
Gm18	55676113	55676908	Gmdrm	hypo	CHH	-0.0273
Gm18	55677052	55678052	Gmdrm	hypo	CHH	-0.156
Gm18	55678055	55678824	Gmdrm	hypo	CHH	-0.1928
Gm18	55680865	55681848	Gmdrm	hypo	CHH	-0.22
Gm18	55681877	55682862	Gmdrm	hypo	CHH	-0.2049
Gm18	55683524	55684522	Gmdrm	hypo	CHH	-0.0158
Gm18	55684535	55684807	Gmdrm	hypo	CHH	-0.0227
Gm18	55693021	55693999	Gmdrm	hypo	CHH	-0.1534
Gm18	55694553	55695547	Gmdrm	hypo	CHH	-0.04
Gm18	55703974	55704906	Gmdrm	hypo	CHH	-0.1
Gm18	55706708	55707246	Gmdrm	hypo	CHH	-0.084
Gm18	55708361	55709252	Gmdrm	hypo	CHH	-0.3363
Gm18	55709363	55710363	Gmdrm	hypo	CHH	-0.0896
Gm18	55710368	55711330	Gmdrm	hypo	CHH	-0.0844
Gm18	55711406	55712291	Gmdrm	hypo	CHH	-0.0587
Gm18	55715966	55716961	Gmdrm	hypo	CHH	-0.095
Gm18	55719373	55720373	Gmdrm	hypo	CHH	-0.1635
Gm18	55720377	55721374	Gmdrm	hypo	CHH	-0.1406
Gm18	55724902	55725900	Gmdrm	hypo	CHH	-0.2574
Gm18	55725904	55726900	Gmdrm	hypo	CHH	-0.1678
Gm18	55726910	55727764	Gmdrm	hypo	CHH	-0.0505
Gm18	55728344	55729290	Gmdrm	hypo	CHH	-0.4063
Gm18	55735001	55735997	Gmdrm	hypo	CHH	-0.0525
Gm18	55737012	55738010	Gmdrm	hypo	CHH	-0.0391
Gm18	55739287	55739665	Gmdrm	hypo	CHH	-0.1458
Gm18	55739793	55740557	Gmdrm	hypo	CHH	-0.1163
Gm18	55751984	55752970	Gmdrm	hypo	CHH	-0.0459
Gm18	55756080	55757075	Gmdrm	hypo	CHH	-0.0146
Gm18	55768234	55769212	Gmdrm	hypo	CHH	-0.3254
Gm18	55779627	55780589	Gmdrm	hypo	CHH	-0.0247
Gm18	55795294	55796288	Gmdrm	hypo	CHH	-0.0315
Gm18	55797317	55798267	Gmdrm	hypo	CHH	-0.2316
Gm18	55808788	55809779	Gmdrm	hypo	CHH	-0.0159
Gm18	55810828	55811822	Gmdrm	hypo	CHH	-0.0195
Gm18	55813561	55814548	Gmdrm	hypo	CHH	-0.0168
Gm18	55818621	55819613	Gmdrm	hypo	CHH	-0.0204
Gm18	55819623	55820150	Gmdrm	hypo	CHH	-0.2778
Gm18	55831257	55832243	Gmdrm	hypo	CHH	-0.2733
Gm18	55833719	55834684	Gmdrm	hypo	CHH	-0.2065
Gm18	55839819	55840499	Gmdrm	hypo	CHH	-0.0403

Gm18	55840606	55841018	Gmdrm	hypo	CHH	-0.1711
Gm18	55845689	55846033	Gmdrm	hypo	CHH	-0.0187
Gm18	55863674	55864662	Gmdrm	hypo	CHH	-0.0782
Gm18	55864676	55865675	Gmdrm	hypo	CHH	-0.1442
Gm18	55865689	55865865	Gmdrm	hypo	CHH	-0.028
Gm18	55869035	55870030	Gmdrm	hypo	CHH	-0.0184
Gm18	55885978	55886976	Gmdrm	hypo	CHH	-0.0176
Gm18	55890009	55890973	Gmdrm	hypo	CHH	-0.0158
Gm18	55901841	55902828	Gmdrm	hypo	CHH	-0.018
Gm18	55906855	55907845	Gmdrm	hypo	CHH	-0.0407
Gm18	55914302	55915278	Gmdrm	hypo	CHH	-0.0126
Gm18	55915331	55916319	Gmdrm	hypo	CHH	-0.0196
Gm18	55923859	55924839	Gmdrm	hypo	CHH	-0.1388
Gm18	55929867	55930844	Gmdrm	hypo	CHH	-0.0225
Gm18	55942142	55943139	Gmdrm	hypo	CHH	-0.0786
Gm18	55943145	55944138	Gmdrm	hypo	CHH	-0.0569
Gm18	55952433	55953296	Gmdrm	hypo	CHH	-0.0344
Gm18	55955883	55956030	Gmdrm	hypo	CHH	-0.0444
Gm18	55958186	55959142	Gmdrm	hypo	CHH	-0.0827
Gm18	55965747	55966740	Gmdrm	hypo	CHH	-0.078
Gm18	55968770	55969701	Gmdrm	hypo	CHH	-0.0173
Gm18	55972367	55972729	Gmdrm	hypo	CHH	-0.0228
Gm18	55980690	55981678	Gmdrm	hypo	CHH	-0.0481
Gm18	55981691	55982685	Gmdrm	hypo	CHH	-0.0939
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Gm18	55994517	55995514	Gmdrm	hypo	CHH	-0.0517
Gm18	55995530	55996520	Gmdrm	hypo	CHH	-0.0563
Gm18	55996537	55997537	Gmdrm	hypo	CHH	-0.0371
Gm18	55998293	55999288	Gmdrm	hypo	CHH	-0.0378
Gm18	56033254	56034244	Gmdrm	hypo	CHH	-0.2319
Gm18	56039749	56040694	Gmdrm	hypo	CHH	-0.0163
Gm18	56049779	56050772	Gmdrm	hypo	CHH	-0.0394
Gm18	56050789	56051781	Gmdrm	hypo	CHH	-0.0422
Gm18	56062239	56063189	Gmdrm	hypo	CHH	-0.0165
Gm18	56072284	56073244	Gmdrm	hypo	CHH	-0.02
Gm18	56079227	56080224	Gmdrm	hypo	CHH	-0.0156
Gm18	56083861	56084854	Gmdrm	hypo	CHH	-0.016
Gm18	56088142	56089119	Gmdrm	hypo	CHH	-0.1108
Gm18	56089147	56089873	Gmdrm	hypo	CHH	-0.0152
Gm18	56093395	56094302	Gmdrm	hypo	CHH	-0.0197
Gm18	56094422	56095421	Gmdrm	hypo	CHH	-0.0341
Gm18	56102245	56103218	Gmdrm	hypo	CHH	-0.1737
Gm18	56103246	56104192	Gmdrm	hypo	CHH	-0.0142
Gm18	56115676	56116596	Gmdrm	hypo	CHH	-0.0219
Gm18	56122803	56123778	Gmdrm	hypo	CHH	-0.0113
Gm18	56129646	56130646	Gmdrm	hypo	CHH	-0.0968

Gm18	56132657	56133478	Gmdrm	hypo	CHH	-0.0278
Gm18	56138478	56139477	Gmdrm	hypo	CHH	-0.0208
Gm18	56149464	56150450	Gmdrm	hypo	CHH	-0.0498
Gm18	56163798	56163954	Gmdrm	hypo	CHH	-0.0314
Gm18	56168428	56168966	Gmdrm	hypo	CHH	-0.0152
Gm18	56173263	56174260	Gmdrm	hypo	CHH	-0.0177
Gm18	56184194	56184505	Gmdrm	hypo	CHH	-0.0772
Gm18	56200009	56200990	Gmdrm	hypo	CHH	-0.0947
Gm18	56207264	56208223	Gmdrm	hypo	CHH	-0.0273
Gm18	56217234	56218214	Gmdrm	hypo	CHH	-0.0974
Gm18	56219957	56220050	Gmdrm	hypo	CHH	-0.0382
Gm18	56223534	56224534	Gmdrm	hypo	CHH	-0.0494
Gm18	56224540	56225512	Gmdrm	hypo	CHH	-0.1049
Gm18	56228249	56229210	Gmdrm	hypo	CHH	-0.0247
Gm18	56230308	56231302	Gmdrm	hypo	CHH	-0.0155
Gm18	56233257	56233476	Gmdrm	hypo	CHH	-0.0472
Gm18	56258088	56259076	Gmdrm	hypo	CHH	-0.0116
Gm18	56259100	56260055	Gmdrm	hypo	CHH	-0.018
Gm18	56267112	56268112	Gmdrm	hypo	CHH	-0.2316
Gm18	56270134	56271132	Gmdrm	hypo	CHH	-0.0158
Gm18	56271155	56271288	Gmdrm	hypo	CHH	-0.04
Gm18	56298473	56299462	Gmdrm	hypo	CHH	-0.0298
Gm18	56316527	56317520	Gmdrm	hypo	CHH	-0.019
Gm18	56323640	56324636	Gmdrm	hypo	CHH	-0.0979
Gm18	56324644	56325639	Gmdrm	hypo	CHH	-0.1202
Gm18	56332165	56333158	Gmdrm	hypo	CHH	-0.0158
Gm18	56334173	56335160	Gmdrm	hypo	CHH	-0.0168
Gm18	56339881	56340875	Gmdrm	hypo	CHH	-0.115
Gm18	56340884	56341878	Gmdrm	hypo	CHH	-0.1223
Gm18	56341897	56342874	Gmdrm	hypo	CHH	-0.0701
Gm18	56344562	56345537	Gmdrm	hypo	CHH	-0.0115
Gm18	56346807	56347783	Gmdrm	hypo	CHH	-0.0207
Gm18	56351886	56352884	Gmdrm	hypo	CHH	-0.0703
Gm18	56352890	56353871	Gmdrm	hypo	CHH	-0.0428
Gm18	56353906	56354786	Gmdrm	hypo	CHH	-0.026
Gm18	56355015	56355992	Gmdrm	hypo	CHH	-0.2226
Gm18	56380596	56381559	Gmdrm	hypo	CHH	-0.0369
Gm18	56382014	56382996	Gmdrm	hypo	CHH	-0.0151
Gm18	56385105	56386104	Gmdrm	hypo	CHH	-0.0556
Gm18	56386113	56387112	Gmdrm	hypo	CHH	-0.0434
Gm18	56393106	56394094	Gmdrm	hypo	CHH	-0.019
Gm18	56411939	56412938	Gmdrm	hypo	CHH	-0.0215
Gm18	56446641	56447326	Gmdrm	hypo	CHH	-0.1778
Gm18	56447431	56448389	Gmdrm	hypo	CHH	-0.1603
Gm18	56457343	56458341	Gmdrm	hypo	CHH	-0.1208
Gm18	56483881	56484845	Gmdrm	hypo	CHH	-0.0172

Gm18	56492818	56493740	Gmdrm	hypo	CHH	-0.0196
Gm18	56498048	56499019	Gmdrm	hypo	CHH	-0.0257
Gm18	56499274	56500272	Gmdrm	hypo	CHH	-0.0128
Gm18	56502713	56503644	Gmdrm	hypo	CHH	-0.0179
Gm18	56504675	56505654	Gmdrm	hypo	CHH	-0.0677
Gm18	56505677	56506675	Gmdrm	hypo	CHH	-0.0423
Gm18	56509040	56509695	Gmdrm	hypo	CHH	-0.0138
Gm18	56513746	56514523	Gmdrm	hypo	CHH	-0.0161
Gm18	56515034	56516034	Gmdrm	hypo	CHH	-0.0803
Gm18	56516062	56517052	Gmdrm	hypo	CHH	-0.046
Gm18	56521255	56521899	Gmdrm	hypo	CHH	-0.0225
Gm18	56527639	56527939	Gmdrm	hypo	CHH	-0.0341
Gm18	56528326	56529212	Gmdrm	hypo	CHH	-0.0155
Gm18	56533983	56534967	Gmdrm	hypo	CHH	-0.0994
Gm18	56535003	56535986	Gmdrm	hypo	CHH	-0.0407
Gm18	56541628	56542140	Gmdrm	hypo	CHH	-0.0414
Gm18	56544102	56544247	Gmdrm	hypo	CHH	-0.033
Gm18	56546237	56547224	Gmdrm	hypo	CHH	-0.0308
Gm18	56552651	56552973	Gmdrm	hypo	CHH	-0.0257
Gm18	56554117	56555072	Gmdrm	hypo	CHH	-0.0159
Gm18	56555123	56555600	Gmdrm	hypo	CHH	-0.0252
Gm18	56564869	56565401	Gmdrm	hypo	CHH	-0.0441
Gm18	56571851	56572845	Gmdrm	hypo	CHH	-0.0127
Gm18	56585604	56586574	Gmdrm	hypo	CHH	-0.1204
Gm18	56586906	56587224	Gmdrm	hypo	CHH	-0.03
Gm18	56599150	56600148	Gmdrm	hypo	CHH	-0.0152
Gm18	56605458	56605841	Gmdrm	hypo	CHH	-0.0415
Gm18	56616046	56617035	Gmdrm	hypo	CHH	-0.0131
Gm18	56630534	56631532	Gmdrm	hypo	CHH	-0.0253
Gm18	56644934	56645930	Gmdrm	hypo	CHH	-0.0403
Gm18	56646943	56647928	Gmdrm	hypo	CHH	-0.0609
Gm18	56668478	56668576	Gmdrm	hypo	CHH	-0.0271
Gm18	56670935	56671928	Gmdrm	hypo	CHH	-0.0203
Gm18	56693549	56694548	Gmdrm	hypo	CHH	-0.018
Gm18	56694554	56694859	Gmdrm	hypo	CHH	-0.0214
Gm18	56699582	56700569	Gmdrm	hypo	CHH	-0.0155
Gm18	56711149	56711294	Gmdrm	hypo	CHH	-0.0367
Gm18	56720129	56721104	Gmdrm	hypo	CHH	-0.0235
Gm18	56726954	56727040	Gmdrm	hypo	CHH	-0.06
Gm18	56760539	56761475	Gmdrm	hypo	CHH	-0.0139
Gm18	56771332	56772325	Gmdrm	hypo	CHH	-0.0164
Gm18	56773378	56774352	Gmdrm	hypo	CHH	-0.0156
Gm18	56779922	56780914	Gmdrm	hypo	CHH	-0.1399
Gm18	56780925	56781922	Gmdrm	hypo	CHH	-0.0347
Gm18	56783943	56784943	Gmdrm	hypo	CHH	-0.0467
Gm18	56784960	56785540	Gmdrm	hypo	CHH	-0.0537

Gm18	56799488	56799616 Gmdrm	hypo	CHH	-0.294
Gm18	56800349	56800428 Gmdrm	hypo	CHH	-0.16
Gm18	56800563	56800646 Gmdrm	hypo	CHH	-0.1943
Gm18	56801061	56802049 Gmdrm	hypo	CHH	-0.1744
Gm18	56817441	56818437 Gmdrm	hypo	CHH	-0.0202
Gm18	56818448	56819429 Gmdrm	hypo	CHH	-0.1224
Gm18	56826514	56826556 Gmdrm	hypo	CHH	-0.0457
Gm18	56829017	56829115 Gmdrm	hypo	CHH	-0.03
Gm18	56829799	56830781 Gmdrm	hypo	CHH	-0.0376
Gm18	56830852	56831846 Gmdrm	hypo	CHH	-0.2511
Gm18	56838141	56839137 Gmdrm	hypo	CHH	-0.1132
Gm18	56839147	56840146 Gmdrm	hypo	CHH	-0.0532
Gm18	56842961	56843933 Gmdrm	hypo	CHH	-0.0417
Gm18	56849047	56850043 Gmdrm	hypo	CHH	-0.0638
Gm18	56855057	56856022 Gmdrm	hypo	CHH	-0.013
Gm18	56862892	56863875 Gmdrm	hypo	CHH	-0.0161
Gm18	56879453	56880440 Gmdrm	hypo	CHH	-0.1318
Gm18	56890358	56891257 Gmdrm	hypo	CHH	-0.0252
Gm18	56906577	56907568 Gmdrm	hypo	CHH	-0.0786
Gm18	56907589	56908511 Gmdrm	hypo	CHH	-0.0145
Gm18	56910374	56910983 Gmdrm	hypo	CHH	-0.0294
Gm18	56919996	56920995 Gmdrm	hypo	CHH	-0.0497
Gm18	56935616	56936612 Gmdrm	hypo	CHH	-0.0555
Gm18	56936617	56937103 Gmdrm	hypo	CHH	-0.1125
Gm18	56937205	56938205 Gmdrm	hypo	CHH	-0.0281
Gm18	56946956	56947942 Gmdrm	hypo	CHH	-0.0206
Gm18	56950912	56951908 Gmdrm	hypo	CHH	-0.0412
Gm18	56951917	56952555 Gmdrm	hypo	CHH	-0.0153
Gm18	56961367	56962347 Gmdrm	hypo	CHH	-0.024
Gm18	56965911	56966902 Gmdrm	hypo	CHH	-0.0216
Gm18	56971005	56972001 Gmdrm	hypo	CHH	-0.0465
Gm18	56972014	56973008 Gmdrm	hypo	CHH	-0.0308
Gm18	56973542	56974539 Gmdrm	hypo	CHH	-0.0428
Gm18	56974557	56975555 Gmdrm	hypo	CHH	-0.0287
Gm18	56975568	56976521 Gmdrm	hypo	CHH	-0.0216
Gm18	56991776	56992588 Gmdrm	hypo	CHH	-0.0223
Gm18	57003461	57004453 Gmdrm	hypo	CHH	-0.1407
Gm18	57004462	57005133 Gmdrm	hypo	CHH	-0.1348
Gm18	57025826	57026824 Gmdrm	hypo	CHH	-0.1219
Gm18	57026834	57027827 Gmdrm	hypo	CHH	-0.0538
Gm18	57038766	57039759 Gmdrm	hypo	CHH	-0.0508
Gm18	57041726	57042725 Gmdrm	hypo	CHH	-0.0832
Gm18	57042729	57043714 Gmdrm	hypo	CHH	-0.2282
Gm18	57049344	57050330 Gmdrm	hypo	CHH	-0.0125
Gm18	57050352	57051346 Gmdrm	hypo	CHH	-0.0767
Gm18	57068821	57069589 Gmdrm	hypo	CHH	-0.0136

Gm18	57079140	57080139	Gmdrm	hypo	CHH	-0.0235
Gm18	57083638	57084556	Gmdrm	hypo	CHH	-0.1017
Gm18	57091774	57092594	Gmdrm	hypo	CHH	-0.0153
Gm18	57104111	57105098	Gmdrm	hypo	CHH	-0.0129
Gm18	57111783	57112783	Gmdrm	hypo	CHH	-0.0137
Gm18	57114063	57115036	Gmdrm	hypo	CHH	-0.0413
Gm18	57120774	57121430	Gmdrm	hypo	CHH	-0.0233
Gm18	57143343	57144339	Gmdrm	hypo	CHH	-0.0119
Gm18	57144366	57145352	Gmdrm	hypo	CHH	-0.3407
Gm18	57161188	57162168	Gmdrm	hypo	CHH	-0.0163
Gm18	57174878	57175503	Gmdrm	hypo	CHH	-0.0297
Gm18	57176612	57177585	Gmdrm	hypo	CHH	-0.246
Gm18	57190170	57191162	Gmdrm	hypo	CHH	-0.0379
Gm18	57191183	57192148	Gmdrm	hypo	CHH	-0.0641
Gm18	57198242	57199175	Gmdrm	hypo	CHH	-0.0406
Gm18	57217793	57218788	Gmdrm	hypo	CHH	-0.2102
Gm18	57227749	57228740	Gmdrm	hypo	CHH	-0.0193
Gm18	57228755	57229742	Gmdrm	hypo	CHH	-0.1665
Gm18	57235800	57236783	Gmdrm	hypo	CHH	-0.0174
Gm18	57243495	57244494	Gmdrm	hypo	CHH	-0.0188
Gm18	57247120	57248020	Gmdrm	hypo	CHH	-0.0258
Gm18	57269882	57270851	Gmdrm	hypo	CHH	-0.3178
Gm18	57274444	57275443	Gmdrm	hypo	CHH	-0.0297
Gm18	57276045	57276878	Gmdrm	hypo	CHH	-0.0151
Gm18	57285712	57286598	Gmdrm	hypo	CHH	-0.0375
Gm18	57292985	57293970	Gmdrm	hypo	CHH	-0.0148
Gm18	57297937	57298935	Gmdrm	hypo	CHH	-0.0138
Gm18	57305262	57306262	Gmdrm	hypo	CHH	-0.0158
Gm18	57306278	57307261	Gmdrm	hypo	CHH	-0.0156
Gm18	57316056	57317053	Gmdrm	hypo	CHH	-0.011
Gm18	57320917	57321901	Gmdrm	hypo	CHH	-0.0115
Gm18	57353287	57354107	Gmdrm	hypo	CHH	-0.0878
Gm18	57357045	57358042	Gmdrm	hypo	CHH	-0.1158
Gm18	57369029	57369546	Gmdrm	hypo	CHH	-0.0321
Gm18	57372907	57373874	Gmdrm	hypo	CHH	-0.0171
Gm18	57397729	57398711	Gmdrm	hypo	CHH	-0.0164
Gm18	57409278	57410270	Gmdrm	hypo	CHH	-0.0632
Gm18	57416170	57417146	Gmdrm	hypo	CHH	-0.0226
Gm18	57418527	57419503	Gmdrm	hypo	CHH	-0.0418
Gm18	57422118	57423113	Gmdrm	hypo	CHH	-0.0799
Gm18	57424884	57425881	Gmdrm	hypo	CHH	-0.0259
Gm18	57425896	57426888	Gmdrm	hypo	CHH	-0.0728
Gm18	57427487	57428483	Gmdrm	hypo	CHH	-0.0151
Gm18	57431426	57432412	Gmdrm	hypo	CHH	-0.023
Gm18	57433758	57434758	Gmdrm	hypo	CHH	-0.1348
Gm18	57459642	57460626	Gmdrm	hypo	CHH	-0.0394

Gm18	57460648	57461647	Gmdrm	hypo	CHH	-0.0382
Gm18	57462700	57463692	Gmdrm	hypo	CHH	-0.0293
Gm18	57471955	57472954	Gmdrm	hypo	CHH	-0.0762
Gm18	57472956	57473954	Gmdrm	hypo	CHH	-0.1379
Gm18	57486022	57487017	Gmdrm	hypo	CHH	-0.0233
Gm18	57500380	57500456	Gmdrm	hypo	CHH	-0.08
Gm18	57506670	57507669	Gmdrm	hypo	CHH	-0.143
Gm18	57526158	57527145	Gmdrm	hypo	CHH	-0.0169
Gm18	57537950	57538947	Gmdrm	hypo	CHH	-0.0137
Gm18	57539992	57540271	Gmdrm	hypo	CHH	-0.0325
Gm18	57545243	57546237	Gmdrm	hypo	CHH	-0.0169
Gm18	57553193	57554176	Gmdrm	hypo	CHH	-0.0118
Gm18	57564940	57565584	Gmdrm	hypo	CHH	-0.0386
Gm18	57579086	57580083	Gmdrm	hypo	CHH	-0.0954
Gm18	57581181	57582166	Gmdrm	hypo	CHH	-0.0151
Gm18	57586236	57587223	Gmdrm	hypo	CHH	-0.0193
Gm18	57589714	57590713	Gmdrm	hypo	CHH	-0.0235
Gm18	57605899	57606887	Gmdrm	hypo	CHH	-0.0207
Gm18	57606919	57607910	Gmdrm	hypo	CHH	-0.0165
Gm18	57637273	57638270	Gmdrm	hypo	CHH	-0.0202
Gm18	57640001	57640811	Gmdrm	hypo	CHH	-0.239
Gm18	57641144	57642110	Gmdrm	hypo	CHH	-0.2325
Gm18	57642148	57643133	Gmdrm	hypo	CHH	-0.027
Gm18	57644455	57645454	Gmdrm	hypo	CHH	-0.0618
Gm18	57645456	57646394	Gmdrm	hypo	CHH	-0.0627
Gm18	57656662	57657661	Gmdrm	hypo	CHH	-0.0475
Gm18	57662034	57662482	Gmdrm	hypo	CHH	-0.0576
Gm18	57664847	57665846	Gmdrm	hypo	CHH	-0.2266
Gm18	57665852	57666847	Gmdrm	hypo	CHH	-0.0444
Gm18	57666854	57667850	Gmdrm	hypo	CHH	-0.0139
Gm18	57680433	57681432	Gmdrm	hypo	CHH	-0.1251
Gm18	57681442	57682442	Gmdrm	hypo	CHH	-0.0128
Gm18	57689158	57690154	Gmdrm	hypo	CHH	-0.0632
Gm18	57694876	57695142	Gmdrm	hypo	CHH	-0.039
Gm18	57697762	57698510	Gmdrm	hypo	CHH	-0.0535
Gm18	57707741	57708730	Gmdrm	hypo	CHH	-0.0257
Gm18	57715832	57716768	Gmdrm	hypo	CHH	-0.0242
Gm18	57723265	57724219	Gmdrm	hypo	CHH	-0.1464
Gm18	57724270	57725226	Gmdrm	hypo	CHH	-0.019
Gm18	57739134	57740133	Gmdrm	hypo	CHH	-0.1082
Gm18	57742157	57743157	Gmdrm	hypo	CHH	-0.0175
Gm18	57743180	57744180	Gmdrm	hypo	CHH	-0.081
Gm18	57746213	57747205	Gmdrm	hypo	CHH	-0.0122
Gm18	57747215	57748206	Gmdrm	hypo	CHH	-0.0134
Gm18	57748219	57749218	Gmdrm	hypo	CHH	-0.0424
Gm18	57753085	57754052	Gmdrm	hypo	CHH	-0.0425

Gm18	57756458	57757431	Gmdrm	hypo	CHH	-0.0196
Gm18	57795200	57796187	Gmdrm	hypo	CHH	-0.0473
Gm18	57812616	57813609	Gmdrm	hypo	CHH	-0.0326
Gm18	57825074	57826058	Gmdrm	hypo	CHH	-0.0165
Gm18	57829808	57830808	Gmdrm	hypo	CHH	-0.0388
Gm18	57831426	57832422	Gmdrm	hypo	CHH	-0.0702
Gm18	57838430	57839418	Gmdrm	hypo	CHH	-0.0147
Gm18	57844989	57845988	Gmdrm	hypo	CHH	-0.0186
Gm18	57854191	57854817	Gmdrm	hypo	CHH	-0.2374
Gm18	57858459	57859401	Gmdrm	hypo	CHH	-0.0226
Gm18	57859470	57860437	Gmdrm	hypo	CHH	-0.0313
Gm18	57860478	57861469	Gmdrm	hypo	CHH	-0.1467
Gm18	57874800	57875349	Gmdrm	hypo	CHH	-0.027
Gm18	57875501	57875970	Gmdrm	hypo	CHH	-0.0175
Gm18	57886809	57887788	Gmdrm	hypo	CHH	-0.022
Gm18	57899380	57900380	Gmdrm	hypo	CHH	-0.124
Gm18	57904559	57905559	Gmdrm	hypo	CHH	-0.0179
Gm18	57905564	57906563	Gmdrm	hypo	CHH	-0.0555
Gm18	57907311	57908307	Gmdrm	hypo	CHH	-0.0231
Gm18	57908995	57909994	Gmdrm	hypo	CHH	-0.2419
Gm18	57917043	57918003	Gmdrm	hypo	CHH	-0.0514
Gm18	57923495	57924464	Gmdrm	hypo	CHH	-0.0918
Gm18	57927849	57928082	Gmdrm	hypo	CHH	-0.03
Gm18	57937954	57938953	Gmdrm	hypo	CHH	-0.0249
Gm18	57938978	57939375	Gmdrm	hypo	CHH	-0.0129
Gm18	57950223	57951219	Gmdrm	hypo	CHH	-0.1209
Gm18	57951227	57952182	Gmdrm	hypo	CHH	-0.0682
Gm18	57956594	57957584	Gmdrm	hypo	CHH	-0.1097
Gm18	57965283	57965993	Gmdrm	hypo	CHH	-0.0365
Gm18	57979325	57980297	Gmdrm	hypo	CHH	-0.0306
Gm18	57980351	57981338	Gmdrm	hypo	CHH	-0.0891
Gm18	57991747	57992747	Gmdrm	hypo	CHH	-0.0582
Gm18	57998855	57999851	Gmdrm	hypo	CHH	-0.0212
Gm18	58011786	58012772	Gmdrm	hypo	CHH	-0.0151
Gm18	58015852	58016057	Gmdrm	hypo	CHH	-0.1214
Gm18	58016854	58017507	Gmdrm	hypo	CHH	-0.0347
Gm18	58039161	58040160	Gmdrm	hypo	CHH	-0.0151
Gm18	58062471	58063466	Gmdrm	hypo	CHH	-0.0417
Gm18	58064696	58065440	Gmdrm	hypo	CHH	-0.119
Gm18	58088637	58089288	Gmdrm	hypo	CHH	-0.0566
Gm18	58089397	58090375	Gmdrm	hypo	CHH	-0.077
Gm18	58101683	58102683	Gmdrm	hypo	CHH	-0.0528
Gm18	58107839	58108459	Gmdrm	hypo	CHH	-0.0154
Gm18	58118099	58119094	Gmdrm	hypo	CHH	-0.0551
Gm18	58119101	58120097	Gmdrm	hypo	CHH	-0.1158
Gm18	58137613	58138613	Gmdrm	hypo	CHH	-0.052

Gm18	58138617	58138844	Gmdrm	hypo	CHH	-0.0779
Gm18	58180254	58181234	Gmdrm	hypo	CHH	-0.0266
Gm18	58181273	58181952	Gmdrm	hypo	CHH	-0.1542
Gm18	58188833	58189826	Gmdrm	hypo	CHH	-0.107
Gm18	58191866	58192861	Gmdrm	hypo	CHH	-0.0634
Gm18	58194427	58195337	Gmdrm	hypo	CHH	-0.3546
Gm18	58202361	58203337	Gmdrm	hypo	CHH	-0.0435
Gm18	58203381	58204367	Gmdrm	hypo	CHH	-0.1181
Gm18	58206667	58207660	Gmdrm	hypo	CHH	-0.0598
Gm18	58207668	58208282	Gmdrm	hypo	CHH	-0.0475
Gm18	58210113	58211046	Gmdrm	hypo	CHH	-0.0239
Gm18	58213170	58214169	Gmdrm	hypo	CHH	-0.0371
Gm18	58220043	58221033	Gmdrm	hypo	CHH	-0.0131
Gm18	58255351	58256330	Gmdrm	hypo	CHH	-0.0352
Gm18	58260872	58261864	Gmdrm	hypo	CHH	-0.3157
Gm18	58266231	58267231	Gmdrm	hypo	CHH	-0.0904
Gm18_scaffo	3396	3505	Gmdrm	hypo	CHH	-0.1264
Gm18_scaffo	6960	7199	Gmdrm	hypo	CHH	-0.0577
Gm18_scaffo	7513	8512	Gmdrm	hypo	CHH	-0.0197
Gm18_scaffo	8516	8559	Gmdrm	hypo	CHH	-0.08
Gm19	4896	5162	Gmdrm	hypo	CHH	-0.0246
Gm19	9197	10177	Gmdrm	hypo	CHH	-0.0396
Gm19	49607	50605	Gmdrm	hypo	CHH	-0.0302
Gm19	64922	65915	Gmdrm	hypo	CHH	-0.1095
Gm19	65923	66900	Gmdrm	hypo	CHH	-0.0179
Gm19	71996	72995	Gmdrm	hypo	CHH	-0.0261
Gm19	72997	73973	Gmdrm	hypo	CHH	-0.0178
Gm19	86259	86733	Gmdrm	hypo	CHH	-0.0278
Gm19	86844	87834	Gmdrm	hypo	CHH	-0.0412
Gm19	88900	89894	Gmdrm	hypo	CHH	-0.0756
Gm19	101787	102773	Gmdrm	hypo	CHH	-0.0292
Gm19	106509	107509	Gmdrm	hypo	CHH	-0.0156
Gm19	107516	108346	Gmdrm	hypo	CHH	-0.0221
Gm19	127052	128039	Gmdrm	hypo	CHH	-0.071
Gm19	128060	129060	Gmdrm	hypo	CHH	-0.0547
Gm19	137286	137414	Gmdrm	hypo	CHH	-0.0763
Gm19	140925	141893	Gmdrm	hypo	CHH	-0.0156
Gm19	141944	142832	Gmdrm	hypo	CHH	-0.0328
Gm19	152478	152686	Gmdrm	hypo	CHH	-0.0342
Gm19	155360	156360	Gmdrm	hypo	CHH	-0.0197
Gm19	156401	157396	Gmdrm	hypo	CHH	-0.0131
Gm19	160547	161541	Gmdrm	hypo	CHH	-0.1067
Gm19	163532	164531	Gmdrm	hypo	CHH	-0.0407
Gm19	164533	165519	Gmdrm	hypo	CHH	-0.0365
Gm19	177797	178797	Gmdrm	hypo	CHH	-0.0317
Gm19	180989	181923	Gmdrm	hypo	CHH	-0.0232

Gm19	190298	191297 Gmdrm	hypo	CHH	-0.0513
Gm19	191301	192249 Gmdrm	hypo	CHH	-0.0718
Gm19	196818	197810 Gmdrm	hypo	CHH	-0.1101
Gm19	203478	204390 Gmdrm	hypo	CHH	-0.3626
Gm19	212294	212440 Gmdrm	hypo	CHH	-0.041
Gm19	213561	214558 Gmdrm	hypo	CHH	-0.0145
Gm19	223879	224875 Gmdrm	hypo	CHH	-0.0529
Gm19	230404	231327 Gmdrm	hypo	CHH	-0.0183
Gm19	231417	232412 Gmdrm	hypo	CHH	-0.0472
Gm19	234121	235109 Gmdrm	hypo	CHH	-0.0142
Gm19	239736	240265 Gmdrm	hypo	CHH	-0.0327
Gm19	249536	250402 Gmdrm	hypo	CHH	-0.0193
Gm19	257765	258747 Gmdrm	hypo	CHH	-0.0472
Gm19	258827	259824 Gmdrm	hypo	CHH	-0.0175
Gm19	259843	260829 Gmdrm	hypo	CHH	-0.0562
Gm19	260865	261853 Gmdrm	hypo	CHH	-0.0266
Gm19	269345	270341 Gmdrm	hypo	CHH	-0.0481
Gm19	276389	277380 Gmdrm	hypo	CHH	-0.0828
Gm19	279723	280675 Gmdrm	hypo	CHH	-0.1401
Gm19	303646	304634 Gmdrm	hypo	CHH	-0.0175
Gm19	311681	312648 Gmdrm	hypo	CHH	-0.0389
Gm19	316158	317150 Gmdrm	hypo	CHH	-0.0232
Gm19	318092	318307 Gmdrm	hypo	CHH	-0.0511
Gm19	320099	321094 Gmdrm	hypo	CHH	-0.1221
Gm19	336666	337665 Gmdrm	hypo	CHH	-0.0389
Gm19	337694	338689 Gmdrm	hypo	CHH	-0.0227
Gm19	343178	344167 Gmdrm	hypo	CHH	-0.0657
Gm19	367089	368078 Gmdrm	hypo	CHH	-0.0634
Gm19	397349	398339 Gmdrm	hypo	CHH	-0.09
Gm19	448211	448796 Gmdrm	hypo	CHH	-0.0286
Gm19	456055	456641 Gmdrm	hypo	CHH	-0.0321
Gm19	459787	460785 Gmdrm	hypo	CHH	-0.1547
Gm19	466297	467273 Gmdrm	hypo	CHH	-0.0314
Gm19	468992	469974 Gmdrm	hypo	CHH	-0.2775
Gm19	471476	472204 Gmdrm	hypo	CHH	-0.0355
Gm19	473931	474929 Gmdrm	hypo	CHH	-0.1035
Gm19	474934	475813 Gmdrm	hypo	CHH	-0.1523
Gm19	490175	491166 Gmdrm	hypo	CHH	-0.0488
Gm19	496336	496474 Gmdrm	hypo	CHH	-0.022
Gm19	507779	508774 Gmdrm	hypo	CHH	-0.031
Gm19	513849	514844 Gmdrm	hypo	CHH	-0.0218
Gm19	514866	515861 Gmdrm	hypo	CHH	-0.0183
Gm19	518619	519613 Gmdrm	hypo	CHH	-0.0499
Gm19	520655	521298 Gmdrm	hypo	CHH	-0.04
Gm19	537047	538046 Gmdrm	hypo	CHH	-0.1997
Gm19	538052	539050 Gmdrm	hypo	CHH	-0.1546

Gm19	539057	540018 Gmdrm	hypo	CHH	-0.2562
Gm19	556252	557249 Gmdrm	hypo	CHH	-0.0936
Gm19	557257	558250 Gmdrm	hypo	CHH	-0.0218
Gm19	564243	564842 Gmdrm	hypo	CHH	-0.1041
Gm19	565969	566963 Gmdrm	hypo	CHH	-0.1368
Gm19	578445	579138 Gmdrm	hypo	CHH	-0.0544
Gm19	583783	584781 Gmdrm	hypo	CHH	-0.0729
Gm19	584785	585756 Gmdrm	hypo	CHH	-0.0227
Gm19	586835	587826 Gmdrm	hypo	CHH	-0.0155
Gm19	587836	588792 Gmdrm	hypo	CHH	-0.0239
Gm19	588846	588937 Gmdrm	hypo	CHH	-0.12
Gm19	593077	594056 Gmdrm	hypo	CHH	-0.0278
Gm19	597216	598214 Gmdrm	hypo	CHH	-0.0882
Gm19	607408	608405 Gmdrm	hypo	CHH	-0.0395
Gm19	624708	625609 Gmdrm	hypo	CHH	-0.0504
Gm19	627047	628045 Gmdrm	hypo	CHH	-0.0208
Gm19	628049	629029 Gmdrm	hypo	CHH	-0.0239
Gm19	629059	630040 Gmdrm	hypo	CHH	-0.0789
Gm19	631132	632129 Gmdrm	hypo	CHH	-0.0395
Gm19	632133	633131 Gmdrm	hypo	CHH	-0.0495
Gm19	633138	634101 Gmdrm	hypo	CHH	-0.0883
Gm19	640197	641175 Gmdrm	hypo	CHH	-0.0169
Gm19	642206	642749 Gmdrm	hypo	CHH	-0.0182
Gm19	646555	647550 Gmdrm	hypo	CHH	-0.0231
Gm19	653091	654089 Gmdrm	hypo	CHH	-0.057
Gm19	663021	664002 Gmdrm	hypo	CHH	-0.0362
Gm19	665031	666030 Gmdrm	hypo	CHH	-0.0573
Gm19	666035	667035 Gmdrm	hypo	CHH	-0.039
Gm19	670067	671046 Gmdrm	hypo	CHH	-0.0251
Gm19	672108	672520 Gmdrm	hypo	CHH	-0.0389
Gm19	672642	673635 Gmdrm	hypo	CHH	-0.0225
Gm19	674653	675648 Gmdrm	hypo	CHH	-0.0286
Gm19	677332	678326 Gmdrm	hypo	CHH	-0.0166
Gm19	684645	685404 Gmdrm	hypo	CHH	-0.134
Gm19	687616	688577 Gmdrm	hypo	CHH	-0.0326
Gm19	693502	694440 Gmdrm	hypo	CHH	-0.0229
Gm19	704297	704808 Gmdrm	hypo	CHH	-0.0209
Gm19	708627	709619 Gmdrm	hypo	CHH	-0.0214
Gm19	718901	719900 Gmdrm	hypo	CHH	-0.0217
Gm19	719907	720874 Gmdrm	hypo	CHH	-0.0165
Gm19	721746	722738 Gmdrm	hypo	CHH	-0.0827
Gm19	722752	723188 Gmdrm	hypo	CHH	-0.0336
Gm19	723565	724564 Gmdrm	hypo	CHH	-0.2437
Gm19	728080	728396 Gmdrm	hypo	CHH	-0.0279
Gm19	730710	731692 Gmdrm	hypo	CHH	-0.0173
Gm19	745053	745905 Gmdrm	hypo	CHH	-0.0235

Gm19	746038	747013 Gmdrm	hypo	CHH	-0.1235
Gm19	754076	754477 Gmdrm	hypo	CHH	-0.0965
Gm19	759757	760722 Gmdrm	hypo	CHH	-0.0851
Gm19	766891	767832 Gmdrm	hypo	CHH	-0.2638
Gm19	768757	769753 Gmdrm	hypo	CHH	-0.017
Gm19	773142	774028 Gmdrm	hypo	CHH	-0.0239
Gm19	782831	783823 Gmdrm	hypo	CHH	-0.0229
Gm19	795634	796630 Gmdrm	hypo	CHH	-0.0253
Gm19	796674	797664 Gmdrm	hypo	CHH	-0.0242
Gm19	797694	798687 Gmdrm	hypo	CHH	-0.0519
Gm19	798700	799690 Gmdrm	hypo	CHH	-0.0182
Gm19	804322	805318 Gmdrm	hypo	CHH	-0.0151
Gm19	817315	817668 Gmdrm	hypo	CHH	-0.0248
Gm19	817923	818922 Gmdrm	hypo	CHH	-0.0245
Gm19	823009	823999 Gmdrm	hypo	CHH	-0.1361
Gm19	824010	825006 Gmdrm	hypo	CHH	-0.0278
Gm19	825019	826016 Gmdrm	hypo	CHH	-0.0239
Gm19	826033	827014 Gmdrm	hypo	CHH	-0.0551
Gm19	827034	828020 Gmdrm	hypo	CHH	-0.0331
Gm19	830814	831803 Gmdrm	hypo	CHH	-0.109
Gm19	834849	835498 Gmdrm	hypo	CHH	-0.0281
Gm19	835778	836719 Gmdrm	hypo	CHH	-0.1902
Gm19	839855	840850 Gmdrm	hypo	CHH	-0.0581
Gm19	840856	841839 Gmdrm	hypo	CHH	-0.0584
Gm19	841868	842129 Gmdrm	hypo	CHH	-0.0455
Gm19	842546	843460 Gmdrm	hypo	CHH	-0.0188
Gm19	850862	851860 Gmdrm	hypo	CHH	-0.0528
Gm19	851870	852627 Gmdrm	hypo	CHH	-0.2141
Gm19	852771	853769 Gmdrm	hypo	CHH	-0.2325
Gm19	861751	862700 Gmdrm	hypo	CHH	-0.0262
Gm19	901582	902579 Gmdrm	hypo	CHH	-0.1589
Gm19	911018	912016 Gmdrm	hypo	CHH	-0.0604
Gm19	922269	923261 Gmdrm	hypo	CHH	-0.0145
Gm19	924040	925039 Gmdrm	hypo	CHH	-0.0642
Gm19	926384	927353 Gmdrm	hypo	CHH	-0.091
Gm19	936610	937609 Gmdrm	hypo	CHH	-0.0293
Gm19	937614	938614 Gmdrm	hypo	CHH	-0.1416
Gm19	954064	954829 Gmdrm	hypo	CHH	-0.0474
Gm19	971704	972704 Gmdrm	hypo	CHH	-0.0378
Gm19	984351	985331 Gmdrm	hypo	CHH	-0.0122
Gm19	999795	1000786 Gmdrm	hypo	CHH	-0.0384
Gm19	1010852	1011521 Gmdrm	hypo	CHH	-0.048
Gm19	1021101	1022087 Gmdrm	hypo	CHH	-0.2175
Gm19	1023105	1024098 Gmdrm	hypo	CHH	-0.0298
Gm19	1024133	1025002 Gmdrm	hypo	CHH	-0.1151
Gm19	1027318	1028307 Gmdrm	hypo	CHH	-0.2714

Gm19	1030366	1031359 Gmdrm	hypo	CHH	-0.0239
Gm19	1031374	1032368 Gmdrm	hypo	CHH	-0.2742
Gm19	1032377	1032859 Gmdrm	hypo	CHH	-0.0222
Gm19	1047817	1048801 Gmdrm	hypo	CHH	-0.1642
Gm19	1048822	1049159 Gmdrm	hypo	CHH	-0.031
Gm19	1054582	1055572 Gmdrm	hypo	CHH	-0.0248
Gm19	1055585	1056584 Gmdrm	hypo	CHH	-0.0388
Gm19	1070829	1071711 Gmdrm	hypo	CHH	-0.0206
Gm19	1073848	1074815 Gmdrm	hypo	CHH	-0.3047
Gm19	1079221	1079487 Gmdrm	hypo	CHH	-0.0667
Gm19	1081687	1082684 Gmdrm	hypo	CHH	-0.1381
Gm19	1082690	1083683 Gmdrm	hypo	CHH	-0.0184
Gm19	1083692	1084691 Gmdrm	hypo	CHH	-0.1297
Gm19	1086712	1087710 Gmdrm	hypo	CHH	-0.2095
Gm19	1095472	1096472 Gmdrm	hypo	CHH	-0.0129
Gm19	1097493	1097793 Gmdrm	hypo	CHH	-0.0366
Gm19	1099910	1100908 Gmdrm	hypo	CHH	-0.0212
Gm19	1100912	1101907 Gmdrm	hypo	CHH	-0.0575
Gm19	1110305	1111155 Gmdrm	hypo	CHH	-0.1217
Gm19	1115113	1116111 Gmdrm	hypo	CHH	-0.3468
Gm19	1120518	1121501 Gmdrm	hypo	CHH	-0.0197
Gm19	1123884	1124872 Gmdrm	hypo	CHH	-0.0195
Gm19	1126661	1127654 Gmdrm	hypo	CHH	-0.0283
Gm19	1127680	1128531 Gmdrm	hypo	CHH	-0.0425
Gm19	1133370	1134370 Gmdrm	hypo	CHH	-0.0134
Gm19	1136541	1137533 Gmdrm	hypo	CHH	-0.0116
Gm19	1137577	1138575 Gmdrm	hypo	CHH	-0.0191
Gm19	1140267	1141263 Gmdrm	hypo	CHH	-0.0824
Gm19	1145124	1146118 Gmdrm	hypo	CHH	-0.0257
Gm19	1148323	1149314 Gmdrm	hypo	CHH	-0.0149
Gm19	1171040	1172036 Gmdrm	hypo	CHH	-0.0343
Gm19	1172046	1173022 Gmdrm	hypo	CHH	-0.0281
Gm19	1180738	1181706 Gmdrm	hypo	CHH	-0.0299
Gm19	1193980	1194407 Gmdrm	hypo	CHH	-0.0357
Gm19	1197479	1198478 Gmdrm	hypo	CHH	-0.0563
Gm19	1198494	1199483 Gmdrm	hypo	CHH	-0.0164
Gm19	1201403	1202385 Gmdrm	hypo	CHH	-0.0288
Gm19	1211875	1212867 Gmdrm	hypo	CHH	-0.0446
Gm19	1220731	1221124 Gmdrm	hypo	CHH	-0.205
Gm19	1225251	1226251 Gmdrm	hypo	CHH	-0.0584
Gm19	1226252	1227227 Gmdrm	hypo	CHH	-0.0222
Gm19	1227261	1228253 Gmdrm	hypo	CHH	-0.0487
Gm19	1228268	1228720 Gmdrm	hypo	CHH	-0.0396
Gm19	1232663	1233622 Gmdrm	hypo	CHH	-0.046
Gm19	1239201	1240201 Gmdrm	hypo	CHH	-0.0408
Gm19	1240213	1241212 Gmdrm	hypo	CHH	-0.0656

Gm19	1246878	1247878 Gmdrm	hypo	CHH	-0.0701
Gm19	1253592	1254587 Gmdrm	hypo	CHH	-0.0273
Gm19	1254596	1255596 Gmdrm	hypo	CHH	-0.0758
Gm19	1255599	1256593 Gmdrm	hypo	CHH	-0.0486
Gm19	1261622	1262614 Gmdrm	hypo	CHH	-0.2235
Gm19	1262628	1263621 Gmdrm	hypo	CHH	-0.0245
Gm19	1263633	1264086 Gmdrm	hypo	CHH	-0.0827
Gm19	1269025	1269256 Gmdrm	hypo	CHH	-0.0355
Gm19	1271486	1272479 Gmdrm	hypo	CHH	-0.1822
Gm19	1280394	1281389 Gmdrm	hypo	CHH	-0.0619
Gm19	1281395	1282356 Gmdrm	hypo	CHH	-0.0399
Gm19	1283403	1284397 Gmdrm	hypo	CHH	-0.265
Gm19	1295670	1296667 Gmdrm	hypo	CHH	-0.0291
Gm19	1344404	1345385 Gmdrm	hypo	CHH	-0.1251
Gm19	1347477	1348469 Gmdrm	hypo	CHH	-0.068
Gm19	1357963	1358963 Gmdrm	hypo	CHH	-0.02
Gm19	1361007	1361937 Gmdrm	hypo	CHH	-0.071
Gm19	1365622	1366602 Gmdrm	hypo	CHH	-0.1012
Gm19	1366631	1367609 Gmdrm	hypo	CHH	-0.0393
Gm19	1387754	1388747 Gmdrm	hypo	CHH	-0.0222
Gm19	1392632	1393630 Gmdrm	hypo	CHH	-0.0457
Gm19	1393649	1394647 Gmdrm	hypo	CHH	-0.0191
Gm19	1399221	1400221 Gmdrm	hypo	CHH	-0.0147
Gm19	1400228	1401226 Gmdrm	hypo	CHH	-0.04
Gm19	1411590	1412420 Gmdrm	hypo	CHH	-0.0368
Gm19	1412559	1413443 Gmdrm	hypo	CHH	-0.0688
Gm19	1421514	1422510 Gmdrm	hypo	CHH	-0.0389
Gm19	1427773	1428754 Gmdrm	hypo	CHH	-0.0243
Gm19	1448176	1448687 Gmdrm	hypo	CHH	-0.1393
Gm19	1458719	1459706 Gmdrm	hypo	CHH	-0.0241
Gm19	1459743	1460734 Gmdrm	hypo	CHH	-0.0255
Gm19	1465264	1466263 Gmdrm	hypo	CHH	-0.0183
Gm19	1483019	1484012 Gmdrm	hypo	CHH	-0.0252
Gm19	1484021	1485019 Gmdrm	hypo	CHH	-0.024
Gm19	1485047	1486038 Gmdrm	hypo	CHH	-0.0222
Gm19	1496645	1497631 Gmdrm	hypo	CHH	-0.0375
Gm19	1497647	1498647 Gmdrm	hypo	CHH	-0.0767
Gm19	1498656	1499618 Gmdrm	hypo	CHH	-0.036
Gm19	1502573	1503567 Gmdrm	hypo	CHH	-0.0271
Gm19	1503576	1504571 Gmdrm	hypo	CHH	-0.0282
Gm19	1505586	1506586 Gmdrm	hypo	CHH	-0.0673
Gm19	1506596	1507595 Gmdrm	hypo	CHH	-0.1045
Gm19	1507598	1508183 Gmdrm	hypo	CHH	-0.1004
Gm19	1510939	1511925 Gmdrm	hypo	CHH	-0.0635
Gm19	1526068	1526983 Gmdrm	hypo	CHH	-0.0254
Gm19	1527105	1528102 Gmdrm	hypo	CHH	-0.08

Gm19	1542073	1543072 Gmdrm	hypo	CHH	-0.0227
Gm19	1551682	1552129 Gmdrm	hypo	CHH	-0.0923
Gm19	1553324	1554269 Gmdrm	hypo	CHH	-0.0204
Gm19	1581963	1582960 Gmdrm	hypo	CHH	-0.0257
Gm19	1589020	1590002 Gmdrm	hypo	CHH	-0.0315
Gm19	1602038	1603033 Gmdrm	hypo	CHH	-0.0123
Gm19	1609028	1610028 Gmdrm	hypo	CHH	-0.0144
Gm19	1627432	1628361 Gmdrm	hypo	CHH	-0.0497
Gm19	1629626	1630616 Gmdrm	hypo	CHH	-0.0459
Gm19	1668321	1669316 Gmdrm	hypo	CHH	-0.0457
Gm19	1669322	1670007 Gmdrm	hypo	CHH	-0.2272
Gm19	1670350	1671349 Gmdrm	hypo	CHH	-0.0618
Gm19	1671360	1672353 Gmdrm	hypo	CHH	-0.0535
Gm19	1677123	1678120 Gmdrm	hypo	CHH	-0.0179
Gm19	1683330	1684314 Gmdrm	hypo	CHH	-0.0793
Gm19	1707330	1708299 Gmdrm	hypo	CHH	-0.0381
Gm19	1708345	1709284 Gmdrm	hypo	CHH	-0.0281
Gm19	1709352	1710263 Gmdrm	hypo	CHH	-0.0115
Gm19	1715512	1716467 Gmdrm	hypo	CHH	-0.0171
Gm19	1719815	1720814 Gmdrm	hypo	CHH	-0.2134
Gm19	1729742	1730739 Gmdrm	hypo	CHH	-0.1155
Gm19	1730746	1731693 Gmdrm	hypo	CHH	-0.0477
Gm19	1736975	1737182 Gmdrm	hypo	CHH	-0.0257
Gm19	1747760	1748748 Gmdrm	hypo	CHH	-0.1072
Gm19	1764661	1765624 Gmdrm	hypo	CHH	-0.013
Gm19	1767773	1768706 Gmdrm	hypo	CHH	-0.0687
Gm19	1769092	1770074 Gmdrm	hypo	CHH	-0.0136
Gm19	1786648	1787315 Gmdrm	hypo	CHH	-0.0639
Gm19	1787684	1787830 Gmdrm	hypo	CHH	-0.089
Gm19	1791840	1792709 Gmdrm	hypo	CHH	-0.0299
Gm19	1797531	1798528 Gmdrm	hypo	CHH	-0.0193
Gm19	1809165	1810165 Gmdrm	hypo	CHH	-0.0688
Gm19	1810172	1810313 Gmdrm	hypo	CHH	-0.1645
Gm19	1810460	1811459 Gmdrm	hypo	CHH	-0.0248
Gm19	1813472	1814400 Gmdrm	hypo	CHH	-0.067
Gm19	1816327	1817316 Gmdrm	hypo	CHH	-0.1184
Gm19	1817343	1818335 Gmdrm	hypo	CHH	-0.0298
Gm19	1831131	1831397 Gmdrm	hypo	CHH	-0.0425
Gm19	1831555	1832553 Gmdrm	hypo	CHH	-0.0483
Gm19	1834562	1835562 Gmdrm	hypo	CHH	-0.1276
Gm19	1835567	1836239 Gmdrm	hypo	CHH	-0.0672
Gm19	1839818	1840812 Gmdrm	hypo	CHH	-0.0146
Gm19	1842462	1843443 Gmdrm	hypo	CHH	-0.0866
Gm19	1855322	1856319 Gmdrm	hypo	CHH	-0.1235
Gm19	1856326	1857145 Gmdrm	hypo	CHH	-0.0578
Gm19	1857580	1858576 Gmdrm	hypo	CHH	-0.0951

Gm19	1858587	1859564	Gmdrm	hypo	CHH	-0.2101
Gm19	1864657	1865599	Gmdrm	hypo	CHH	-0.0303
Gm19	1866828	1867776	Gmdrm	hypo	CHH	-0.072
Gm19	1868682	1869220	Gmdrm	hypo	CHH	-0.0876
Gm19	1876966	1877961	Gmdrm	hypo	CHH	-0.0248
Gm19	1882023	1882296	Gmdrm	hypo	CHH	-0.0703
Gm19	1901906	1902884	Gmdrm	hypo	CHH	-0.0389
Gm19	1906556	1907287	Gmdrm	hypo	CHH	-0.1177
Gm19	1946680	1947533	Gmdrm	hypo	CHH	-0.0215
Gm19	1948375	1949371	Gmdrm	hypo	CHH	-0.0166
Gm19	1950378	1951377	Gmdrm	hypo	CHH	-0.1364
Gm19	1953355	1954343	Gmdrm	hypo	CHH	-0.0527
Gm19	1954535	1955535	Gmdrm	hypo	CHH	-0.0245
Gm19	1968060	1969054	Gmdrm	hypo	CHH	-0.0513
Gm19	1997491	1997954	Gmdrm	hypo	CHH	-0.0366
Gm19	2002151	2003145	Gmdrm	hypo	CHH	-0.0347
Gm19	2010120	2011093	Gmdrm	hypo	CHH	-0.0118
Gm19	2018807	2019806	Gmdrm	hypo	CHH	-0.0517
Gm19	2019845	2020366	Gmdrm	hypo	CHH	-0.0273
Gm19	2032907	2033903	Gmdrm	hypo	CHH	-0.1339
Gm19	2033916	2034888	Gmdrm	hypo	CHH	-0.0112
Gm19	2039212	2040211	Gmdrm	hypo	CHH	-0.0229
Gm19	2047732	2048732	Gmdrm	hypo	CHH	-0.0308
Gm19	2054420	2055420	Gmdrm	hypo	CHH	-0.0964
Gm19	2055421	2056417	Gmdrm	hypo	CHH	-0.0187
Gm19	2056422	2056644	Gmdrm	hypo	CHH	-0.071
Gm19	2062000	2062963	Gmdrm	hypo	CHH	-0.2456
Gm19	2063015	2064011	Gmdrm	hypo	CHH	-0.0475
Gm19	2064953	2065948	Gmdrm	hypo	CHH	-0.1605
Gm19	2065955	2066262	Gmdrm	hypo	CHH	-0.273
Gm19	2069556	2070555	Gmdrm	hypo	CHH	-0.0146
Gm19	2070557	2071332	Gmdrm	hypo	CHH	-0.1228
Gm19	2081867	2082558	Gmdrm	hypo	CHH	-0.1521
Gm19	2082692	2083465	Gmdrm	hypo	CHH	-0.0961
Gm19	2083742	2084742	Gmdrm	hypo	CHH	-0.0921
Gm19	2084743	2085399	Gmdrm	hypo	CHH	-0.1457
Gm19	2085782	2086777	Gmdrm	hypo	CHH	-0.0797
Gm19	2089624	2090624	Gmdrm	hypo	CHH	-0.0733
Gm19	2092797	2093794	Gmdrm	hypo	CHH	-0.0771
Gm19	2102856	2103843	Gmdrm	hypo	CHH	-0.0343
Gm19	2109699	2110686	Gmdrm	hypo	CHH	-0.013
Gm19	2116869	2117180	Gmdrm	hypo	CHH	-0.042
Gm19	2124696	2125695	Gmdrm	hypo	CHH	-0.1241
Gm19	2128063	2128199	Gmdrm	hypo	CHH	-0.038
Gm19	2140990	2141302	Gmdrm	hypo	CHH	-0.0885
Gm19	2141458	2142253	Gmdrm	hypo	CHH	-0.0622

Gm19	2143472	2144401 Gmdrm	hypo	CHH	-0.0209
Gm19	2145658	2146653 Gmdrm	hypo	CHH	-0.1347
Gm19	2146693	2147692 Gmdrm	hypo	CHH	-0.0485
Gm19	2147695	2147749 Gmdrm	hypo	CHH	-0.1556
Gm19	2147929	2148907 Gmdrm	hypo	CHH	-0.0389
Gm19	2151242	2151549 Gmdrm	hypo	CHH	-0.056
Gm19	2152557	2153502 Gmdrm	hypo	CHH	-0.0165
Gm19	2162654	2163653 Gmdrm	hypo	CHH	-0.0368
Gm19	2163661	2164072 Gmdrm	hypo	CHH	-0.0631
Gm19	2164205	2165201 Gmdrm	hypo	CHH	-0.17
Gm19	2165210	2165590 Gmdrm	hypo	CHH	-0.0752
Gm19	2165694	2166361 Gmdrm	hypo	CHH	-0.1674
Gm19	2170902	2171881 Gmdrm	hypo	CHH	-0.0136
Gm19	2191458	2192408 Gmdrm	hypo	CHH	-0.0368
Gm19	2200852	2201852 Gmdrm	hypo	CHH	-0.0272
Gm19	2209781	2210775 Gmdrm	hypo	CHH	-0.0536
Gm19	2210816	2211814 Gmdrm	hypo	CHH	-0.0175
Gm19	2216367	2217361 Gmdrm	hypo	CHH	-0.0149
Gm19	2242770	2243761 Gmdrm	hypo	CHH	-0.0141
Gm19	2244415	2245413 Gmdrm	hypo	CHH	-0.0155
Gm19	2248168	2249167 Gmdrm	hypo	CHH	-0.0343
Gm19	2249169	2249355 Gmdrm	hypo	CHH	-0.0454
Gm19	2258895	2259027 Gmdrm	hypo	CHH	-0.04
Gm19	2267482	2268464 Gmdrm	hypo	CHH	-0.0382
Gm19	2272043	2272658 Gmdrm	hypo	CHH	-0.0574
Gm19	2277910	2278241 Gmdrm	hypo	CHH	-0.0208
Gm19	2283442	2284434 Gmdrm	hypo	CHH	-0.0274
Gm19	2304481	2305446 Gmdrm	hypo	CHH	-0.0249
Gm19	2317189	2317983 Gmdrm	hypo	CHH	-0.0358
Gm19	2318099	2318699 Gmdrm	hypo	CHH	-0.0134
Gm19	2319973	2320970 Gmdrm	hypo	CHH	-0.0375
Gm19	2320974	2321953 Gmdrm	hypo	CHH	-0.066
Gm19	2361660	2362660 Gmdrm	hypo	CHH	-0.0221
Gm19	2362670	2363112 Gmdrm	hypo	CHH	-0.11
Gm19	2365622	2366618 Gmdrm	hypo	CHH	-0.0241
Gm19	2367630	2368616 Gmdrm	hypo	CHH	-0.0795
Gm19	2370645	2371644 Gmdrm	hypo	CHH	-0.0554
Gm19	2371647	2372036 Gmdrm	hypo	CHH	-0.062
Gm19	2372178	2373167 Gmdrm	hypo	CHH	-0.0702
Gm19	2375199	2376195 Gmdrm	hypo	CHH	-0.0944
Gm19	2377803	2378797 Gmdrm	hypo	CHH	-0.0239
Gm19	2378811	2379270 Gmdrm	hypo	CHH	-0.0753
Gm19	2379386	2380220 Gmdrm	hypo	CHH	-0.1131
Gm19	2423022	2423626 Gmdrm	hypo	CHH	-0.013
Gm19	2429020	2430017 Gmdrm	hypo	CHH	-0.0337
Gm19	2430052	2431041 Gmdrm	hypo	CHH	-0.0239

Gm19	2437463	2438459	Gmdrm	hypo	CHH	-0.0337
Gm19	2442027	2443021	Gmdrm	hypo	CHH	-0.0139
Gm19	2443031	2444030	Gmdrm	hypo	CHH	-0.0263
Gm19	2450909	2451904	Gmdrm	hypo	CHH	-0.0992
Gm19	2454729	2455726	Gmdrm	hypo	CHH	-0.0386
Gm19	2455733	2456728	Gmdrm	hypo	CHH	-0.0699
Gm19	2461083	2462080	Gmdrm	hypo	CHH	-0.0195
Gm19	2463101	2463898	Gmdrm	hypo	CHH	-0.0182
Gm19	2470187	2471186	Gmdrm	hypo	CHH	-0.091
Gm19	2473686	2474677	Gmdrm	hypo	CHH	-0.0469
Gm19	2474688	2474760	Gmdrm	hypo	CHH	-0.1108
Gm19	2474878	2475708	Gmdrm	hypo	CHH	-0.0972
Gm19	2477782	2478521	Gmdrm	hypo	CHH	-0.0291
Gm19	2482781	2483781	Gmdrm	hypo	CHH	-0.0115
Gm19	2493024	2494018	Gmdrm	hypo	CHH	-0.0675
Gm19	2495727	2496726	Gmdrm	hypo	CHH	-0.037
Gm19	2497746	2498743	Gmdrm	hypo	CHH	-0.0541
Gm19	2520523	2521357	Gmdrm	hypo	CHH	-0.2287
Gm19	2521458	2522433	Gmdrm	hypo	CHH	-0.125
Gm19	2522459	2523458	Gmdrm	hypo	CHH	-0.091
Gm19	2533614	2534461	Gmdrm	hypo	CHH	-0.0482
Gm19	2534749	2535746	Gmdrm	hypo	CHH	-0.0829
Gm19	2545662	2546629	Gmdrm	hypo	CHH	-0.0856
Gm19	2546675	2547671	Gmdrm	hypo	CHH	-0.0483
Gm19	2559712	2560681	Gmdrm	hypo	CHH	-0.1678
Gm19	2571865	2572865	Gmdrm	hypo	CHH	-0.0813
Gm19	2573869	2574860	Gmdrm	hypo	CHH	-0.0434
Gm19	2599414	2600412	Gmdrm	hypo	CHH	-0.0694
Gm19	2607038	2608002	Gmdrm	hypo	CHH	-0.0289
Gm19	2618021	2619002	Gmdrm	hypo	CHH	-0.0538
Gm19	2619045	2620037	Gmdrm	hypo	CHH	-0.0626
Gm19	2623092	2624092	Gmdrm	hypo	CHH	-0.0817
Gm19	2625095	2626052	Gmdrm	hypo	CHH	-0.0914
Gm19	2632997	2633994	Gmdrm	hypo	CHH	-0.0773
Gm19	2634011	2635010	Gmdrm	hypo	CHH	-0.0447
Gm19	2650023	2650968	Gmdrm	hypo	CHH	-0.0155
Gm19	2671155	2672123	Gmdrm	hypo	CHH	-0.3122
Gm19	2672160	2673003	Gmdrm	hypo	CHH	-0.0959
Gm19	2675988	2676985	Gmdrm	hypo	CHH	-0.1023
Gm19	2680255	2681255	Gmdrm	hypo	CHH	-0.014
Gm19	2682287	2683276	Gmdrm	hypo	CHH	-0.0207
Gm19	2741549	2742537	Gmdrm	hypo	CHH	-0.06
Gm19	2747014	2747985	Gmdrm	hypo	CHH	-0.0244
Gm19	2755024	2755993	Gmdrm	hypo	CHH	-0.0476
Gm19	2756047	2757028	Gmdrm	hypo	CHH	-0.0182
Gm19	2759871	2760860	Gmdrm	hypo	CHH	-0.0288

Gm19	2762931	2763928	Gmdrm	hypo	CHH	-0.0441
Gm19	2767064	2768052	Gmdrm	hypo	CHH	-0.1236
Gm19	2792793	2793182	Gmdrm	hypo	CHH	-0.0396
Gm19	2809071	2809541	Gmdrm	hypo	CHH	-0.0231
Gm19	2812715	2813710	Gmdrm	hypo	CHH	-0.0437
Gm19	2813716	2814683	Gmdrm	hypo	CHH	-0.1415
Gm19	2826229	2827218	Gmdrm	hypo	CHH	-0.1041
Gm19	2846470	2847328	Gmdrm	hypo	CHH	-0.031
Gm19	2847438	2847655	Gmdrm	hypo	CHH	-0.0628
Gm19	2847852	2848576	Gmdrm	hypo	CHH	-0.1359
Gm19	2858054	2858108	Gmdrm	hypo	CHH	-0.1388
Gm19	2861147	2861451	Gmdrm	hypo	CHH	-0.0591
Gm19	2888501	2888906	Gmdrm	hypo	CHH	-0.1487
Gm19	2890097	2890957	Gmdrm	hypo	CHH	-0.0504
Gm19	2898125	2899098	Gmdrm	hypo	CHH	-0.0534
Gm19	2955999	2956992	Gmdrm	hypo	CHH	-0.0276
Gm19	2968584	2969582	Gmdrm	hypo	CHH	-0.0453
Gm19	2977307	2978301	Gmdrm	hypo	CHH	-0.1209
Gm19	2989962	2990525	Gmdrm	hypo	CHH	-0.0516
Gm19	2991027	2992009	Gmdrm	hypo	CHH	-0.0222
Gm19	3038529	3039525	Gmdrm	hypo	CHH	-0.0411
Gm19	3040583	3041582	Gmdrm	hypo	CHH	-0.0704
Gm19	3093658	3094658	Gmdrm	hypo	CHH	-0.033
Gm19	3098442	3099426	Gmdrm	hypo	CHH	-0.0926
Gm19	3104419	3105417	Gmdrm	hypo	CHH	-0.0859
Gm19	3113480	3114479	Gmdrm	hypo	CHH	-0.011
Gm19	3118050	3119047	Gmdrm	hypo	CHH	-0.07
Gm19	3119069	3120068	Gmdrm	hypo	CHH	-0.0325
Gm19	3137798	3138798	Gmdrm	hypo	CHH	-0.0554
Gm19	3141419	3142414	Gmdrm	hypo	CHH	-0.0484
Gm19	3161783	3162782	Gmdrm	hypo	CHH	-0.0904
Gm19	3166254	3167243	Gmdrm	hypo	CHH	-0.011
Gm19	3172491	3173348	Gmdrm	hypo	CHH	-0.2298
Gm19	3174016	3175002	Gmdrm	hypo	CHH	-0.0284
Gm19	3189890	3190889	Gmdrm	hypo	CHH	-0.0506
Gm19	3190895	3191895	Gmdrm	hypo	CHH	-0.1168
Gm19	3191902	3192726	Gmdrm	hypo	CHH	-0.0938
Gm19	3195985	3196980	Gmdrm	hypo	CHH	-0.0093
Gm19	3198026	3198912	Gmdrm	hypo	CHH	-0.0256
Gm19	3213041	3213990	Gmdrm	hypo	CHH	-0.0636
Gm19	3217302	3218299	Gmdrm	hypo	CHH	-0.1218
Gm19	3218336	3219318	Gmdrm	hypo	CHH	-0.0567
Gm19	3219368	3220367	Gmdrm	hypo	CHH	-0.0932
Gm19	3220369	3220811	Gmdrm	hypo	CHH	-0.0398
Gm19	3244719	3245717	Gmdrm	hypo	CHH	-0.0208
Gm19	3246780	3247770	Gmdrm	hypo	CHH	-0.0124

Gm19	3249869	3250869	Gmdrm	hypo	CHH	-0.0274
Gm19	3257594	3258571	Gmdrm	hypo	CHH	-0.1415
Gm19	3261810	3262787	Gmdrm	hypo	CHH	-0.0221
Gm19	3276247	3277222	Gmdrm	hypo	CHH	-0.015
Gm19	3297240	3298240	Gmdrm	hypo	CHH	-0.151
Gm19	3298243	3299242	Gmdrm	hypo	CHH	-0.0723
Gm19	3299245	3300237	Gmdrm	hypo	CHH	-0.0425
Gm19	3300249	3301249	Gmdrm	hypo	CHH	-0.0299
Gm19	3301255	3302253	Gmdrm	hypo	CHH	-0.0303
Gm19	3302258	3303255	Gmdrm	hypo	CHH	-0.0349
Gm19	3303260	3303816	Gmdrm	hypo	CHH	-0.0523
Gm19	3308790	3309777	Gmdrm	hypo	CHH	-0.0102
Gm19	3310118	3311113	Gmdrm	hypo	CHH	-0.1547
Gm19	3328496	3329495	Gmdrm	hypo	CHH	-0.1647
Gm19	3329500	3330496	Gmdrm	hypo	CHH	-0.0365
Gm19	3332629	3333599	Gmdrm	hypo	CHH	-0.0837
Gm19	3333636	3334633	Gmdrm	hypo	CHH	-0.1169
Gm19	3364384	3364998	Gmdrm	hypo	CHH	-0.0487
Gm19	3405309	3406298	Gmdrm	hypo	CHH	-0.0261
Gm19	3408998	3409980	Gmdrm	hypo	CHH	-0.0113
Gm19	3419825	3420825	Gmdrm	hypo	CHH	-0.0561
Gm19	3435620	3436470	Gmdrm	hypo	CHH	-0.0565
Gm19	3436604	3437562	Gmdrm	hypo	CHH	-0.0711
Gm19	3460255	3460644	Gmdrm	hypo	CHH	-0.1004
Gm19	3468262	3469246	Gmdrm	hypo	CHH	-0.0381
Gm19	3469264	3470257	Gmdrm	hypo	CHH	-0.0348
Gm19	3471540	3472539	Gmdrm	hypo	CHH	-0.0276
Gm19	3479667	3480590	Gmdrm	hypo	CHH	-0.0303
Gm19	3482246	3483235	Gmdrm	hypo	CHH	-0.018
Gm19	3488248	3489248	Gmdrm	hypo	CHH	-0.0919
Gm19	3491265	3491456	Gmdrm	hypo	CHH	-0.0693
Gm19	3494920	3495896	Gmdrm	hypo	CHH	-0.0639
Gm19	3508280	3509270	Gmdrm	hypo	CHH	-0.0168
Gm19	3511763	3512754	Gmdrm	hypo	CHH	-0.0379
Gm19	3520808	3521761	Gmdrm	hypo	CHH	-0.0407
Gm19	3526680	3527673	Gmdrm	hypo	CHH	-0.0116
Gm19	3534491	3535474	Gmdrm	hypo	CHH	-0.0206
Gm19	3544792	3545781	Gmdrm	hypo	CHH	-0.1338
Gm19	3548861	3549858	Gmdrm	hypo	CHH	-0.0191
Gm19	3549863	3550862	Gmdrm	hypo	CHH	-0.0346
Gm19	3550864	3551864	Gmdrm	hypo	CHH	-0.0584
Gm19	3556795	3557297	Gmdrm	hypo	CHH	-0.0247
Gm19	3567931	3568929	Gmdrm	hypo	CHH	-0.2545
Gm19	3568942	3568990	Gmdrm	hypo	CHH	-0.149
Gm19	3569261	3570258	Gmdrm	hypo	CHH	-0.0216
Gm19	3572179	3573154	Gmdrm	hypo	CHH	-0.0447

Gm19	3573186	3574186 Gmdrm	hypo	CHH	-0.0837
Gm19	3574198	3575189 Gmdrm	hypo	CHH	-0.093
Gm19	3575200	3576066 Gmdrm	hypo	CHH	-0.107
Gm19	3576241	3576547 Gmdrm	hypo	CHH	-0.1471
Gm19	3576663	3577644 Gmdrm	hypo	CHH	-0.0752
Gm19	3584487	3585485 Gmdrm	hypo	CHH	-0.0311
Gm19	3587754	3588749 Gmdrm	hypo	CHH	-0.02
Gm19	3592820	3593812 Gmdrm	hypo	CHH	-0.1993
Gm19	3593821	3594817 Gmdrm	hypo	CHH	-0.108
Gm19	3594827	3595253 Gmdrm	hypo	CHH	-0.1332
Gm19	3612243	3612967 Gmdrm	hypo	CHH	-0.025
Gm19	3613088	3613247 Gmdrm	hypo	CHH	-0.04
Gm19	3617890	3618878 Gmdrm	hypo	CHH	-0.1025
Gm19	3619936	3620931 Gmdrm	hypo	CHH	-0.0566
Gm19	3620942	3621903 Gmdrm	hypo	CHH	-0.0788
Gm19	3624988	3625968 Gmdrm	hypo	CHH	-0.0446
Gm19	3625989	3626976 Gmdrm	hypo	CHH	-0.3224
Gm19	3629854	3630840 Gmdrm	hypo	CHH	-0.0605
Gm19	3642669	3643637 Gmdrm	hypo	CHH	-0.0639
Gm19	3647745	3648723 Gmdrm	hypo	CHH	-0.0188
Gm19	3649755	3650736 Gmdrm	hypo	CHH	-0.0161
Gm19	3654891	3655890 Gmdrm	hypo	CHH	-0.0143
Gm19	3705108	3706097 Gmdrm	hypo	CHH	-0.0395
Gm19	3707112	3708107 Gmdrm	hypo	CHH	-0.0426
Gm19	3711128	3711882 Gmdrm	hypo	CHH	-0.071
Gm19	3720469	3721435 Gmdrm	hypo	CHH	-0.0148
Gm19	3740761	3741694 Gmdrm	hypo	CHH	-0.2207
Gm19	3747368	3748350 Gmdrm	hypo	CHH	-0.0275
Gm19	3753419	3754416 Gmdrm	hypo	CHH	-0.0927
Gm19	3760223	3761164 Gmdrm	hypo	CHH	-0.1199
Gm19	3761307	3762300 Gmdrm	hypo	CHH	-0.1701
Gm19	3766057	3766480 Gmdrm	hypo	CHH	-0.3683
Gm19	3777412	3778406 Gmdrm	hypo	CHH	-0.046
Gm19	3782812	3783807 Gmdrm	hypo	CHH	-0.098
Gm19	3783813	3784504 Gmdrm	hypo	CHH	-0.0908
Gm19	3788676	3789675 Gmdrm	hypo	CHH	-0.0887
Gm19	3789677	3790676 Gmdrm	hypo	CHH	-0.0489
Gm19	3790682	3791679 Gmdrm	hypo	CHH	-0.0337
Gm19	3791684	3792683 Gmdrm	hypo	CHH	-0.0455
Gm19	3796350	3797350 Gmdrm	hypo	CHH	-0.0171
Gm19	3798357	3799354 Gmdrm	hypo	CHH	-0.0107
Gm19	3799367	3800364 Gmdrm	hypo	CHH	-0.136
Gm19	3800373	3801373 Gmdrm	hypo	CHH	-0.1208
Gm19	3809561	3810546 Gmdrm	hypo	CHH	-0.0111
Gm19	3813720	3814673 Gmdrm	hypo	CHH	-0.0304
Gm19	3825932	3826398 Gmdrm	hypo	CHH	-0.0209

Gm19	3829474	3830435	Gmdrm	hypo	CHH	-0.0209
Gm19	3830506	3831494	Gmdrm	hypo	CHH	-0.055
Gm19	3833549	3834547	Gmdrm	hypo	CHH	-0.04
Gm19	3835606	3836596	Gmdrm	hypo	CHH	-0.0847
Gm19	3836630	3837630	Gmdrm	hypo	CHH	-0.1296
Gm19	3839644	3840640	Gmdrm	hypo	CHH	-0.0644
Gm19	3848778	3849776	Gmdrm	hypo	CHH	-0.0846
Gm19	3850763	3851759	Gmdrm	hypo	CHH	-0.0666
Gm19	3851764	3852762	Gmdrm	hypo	CHH	-0.0562
Gm19	3858842	3859842	Gmdrm	hypo	CHH	-0.294
Gm19	3868960	3869920	Gmdrm	hypo	CHH	-0.0771
Gm19	3883407	3884222	Gmdrm	hypo	CHH	-0.0659
Gm19	3889322	3889502	Gmdrm	hypo	CHH	-0.1792
Gm19	3896424	3897384	Gmdrm	hypo	CHH	-0.0357
Gm19	3920440	3921440	Gmdrm	hypo	CHH	-0.1687
Gm19	3921445	3922434	Gmdrm	hypo	CHH	-0.0437
Gm19	3922450	3923444	Gmdrm	hypo	CHH	-0.0756
Gm19	3924459	3925456	Gmdrm	hypo	CHH	-0.0426
Gm19	3925474	3926470	Gmdrm	hypo	CHH	-0.0423
Gm19	3926476	3927470	Gmdrm	hypo	CHH	-0.0611
Gm19	3966525	3967515	Gmdrm	hypo	CHH	-0.0589
Gm19	3967527	3967853	Gmdrm	hypo	CHH	-0.0475
Gm19	3974480	3975480	Gmdrm	hypo	CHH	-0.0226
Gm19	3977497	3978495	Gmdrm	hypo	CHH	-0.0217
Gm19	3997861	3998861	Gmdrm	hypo	CHH	-0.045
Gm19	3998866	3999858	Gmdrm	hypo	CHH	-0.0598
Gm19	3999870	4000862	Gmdrm	hypo	CHH	-0.0286
Gm19	4000871	4001870	Gmdrm	hypo	CHH	-0.0328
Gm19	4008935	4009934	Gmdrm	hypo	CHH	-0.0333
Gm19	4011924	4012921	Gmdrm	hypo	CHH	-0.0401
Gm19	4012938	4013909	Gmdrm	hypo	CHH	-0.0978
Gm19	4020384	4021384	Gmdrm	hypo	CHH	-0.051
Gm19	4030431	4031409	Gmdrm	hypo	CHH	-0.0531
Gm19	4033136	4033884	Gmdrm	hypo	CHH	-0.0384
Gm19	4035618	4036591	Gmdrm	hypo	CHH	-0.0154
Gm19	4036652	4037649	Gmdrm	hypo	CHH	-0.0915
Gm19	4037653	4038636	Gmdrm	hypo	CHH	-0.0463
Gm19	4038931	4039923	Gmdrm	hypo	CHH	-0.0488
Gm19	4042314	4042610	Gmdrm	hypo	CHH	-0.056
Gm19	4046137	4046316	Gmdrm	hypo	CHH	-0.0847
Gm19	4046531	4047215	Gmdrm	hypo	CHH	-0.1518
Gm19	4047328	4047597	Gmdrm	hypo	CHH	-0.038
Gm19	4047713	4048713	Gmdrm	hypo	CHH	-0.0143
Gm19	4099483	4100479	Gmdrm	hypo	CHH	-0.0235
Gm19	4123736	4124728	Gmdrm	hypo	CHH	-0.0703
Gm19	4127185	4128157	Gmdrm	hypo	CHH	-0.0123

Gm19	4128201	4129201	Gmdrm	hypo	CHH	-0.0932
Gm19	4148106	4149104	Gmdrm	hypo	CHH	-0.0427
Gm19	4149123	4150120	Gmdrm	hypo	CHH	-0.086
Gm19	4150129	4151128	Gmdrm	hypo	CHH	-0.0649
Gm19	4158313	4159162	Gmdrm	hypo	CHH	-0.026
Gm19	4160152	4161137	Gmdrm	hypo	CHH	-0.0174
Gm19	4163711	4164374	Gmdrm	hypo	CHH	-0.0282
Gm19	4166734	4167724	Gmdrm	hypo	CHH	-0.0556
Gm19	4172450	4173446	Gmdrm	hypo	CHH	-0.0922
Gm19	4186523	4187193	Gmdrm	hypo	CHH	-0.0438
Gm19	4202780	4203773	Gmdrm	hypo	CHH	-0.0171
Gm19	4205790	4206781	Gmdrm	hypo	CHH	-0.027
Gm19	4208199	4209183	Gmdrm	hypo	CHH	-0.0846
Gm19	4209204	4210199	Gmdrm	hypo	CHH	-0.014
Gm19	4213229	4214225	Gmdrm	hypo	CHH	-0.0296
Gm19	4229903	4230858	Gmdrm	hypo	CHH	-0.0276
Gm19	4265012	4266009	Gmdrm	hypo	CHH	-0.1031
Gm19	4266037	4267026	Gmdrm	hypo	CHH	-0.0276
Gm19	4267083	4267255	Gmdrm	hypo	CHH	-0.0543
Gm19	4294604	4295542	Gmdrm	hypo	CHH	-0.0243
Gm19	4296715	4297709	Gmdrm	hypo	CHH	-0.0826
Gm19	4318950	4319946	Gmdrm	hypo	CHH	-0.0721
Gm19	4319951	4320938	Gmdrm	hypo	CHH	-0.0234
Gm19	4326600	4327563	Gmdrm	hypo	CHH	-0.0293
Gm19	4327601	4328595	Gmdrm	hypo	CHH	-0.0329
Gm19	4330705	4331537	Gmdrm	hypo	CHH	-0.0171
Gm19	4331840	4332713	Gmdrm	hypo	CHH	-0.0426
Gm19	4334377	4335373	Gmdrm	hypo	CHH	-0.1573
Gm19	4335382	4336378	Gmdrm	hypo	CHH	-0.0391
Gm19	4350351	4351349	Gmdrm	hypo	CHH	-0.04
Gm19	4351354	4351577	Gmdrm	hypo	CHH	-0.053
Gm19	4363792	4364792	Gmdrm	hypo	CHH	-0.0616
Gm19	4374928	4375918	Gmdrm	hypo	CHH	-0.034
Gm19	4376414	4376626	Gmdrm	hypo	CHH	-0.0607
Gm19	4377082	4378077	Gmdrm	hypo	CHH	-0.065
Gm19	4389441	4390441	Gmdrm	hypo	CHH	-0.0377
Gm19	4415085	4416084	Gmdrm	hypo	CHH	-0.0412
Gm19	4416090	4417085	Gmdrm	hypo	CHH	-0.1351
Gm19	4417095	4418074	Gmdrm	hypo	CHH	-0.0808
Gm19	4419155	4420152	Gmdrm	hypo	CHH	-0.0144
Gm19	4425032	4426029	Gmdrm	hypo	CHH	-0.0152
Gm19	4426036	4427023	Gmdrm	hypo	CHH	-0.0489
Gm19	4427043	4428006	Gmdrm	hypo	CHH	-0.0383
Gm19	4435503	4436495	Gmdrm	hypo	CHH	-0.0183
Gm19	4437506	4438506	Gmdrm	hypo	CHH	-0.0754
Gm19	4441578	4442567	Gmdrm	hypo	CHH	-0.0479

Gm19	4487188	4488182	Gmdrm	hypo	CHH	-0.0133
Gm19	4489247	4490209	Gmdrm	hypo	CHH	-0.0198
Gm19	4507373	4508319	Gmdrm	hypo	CHH	-0.043
Gm19	4541437	4542430	Gmdrm	hypo	CHH	-0.0267
Gm19	4547573	4547804	Gmdrm	hypo	CHH	-0.06
Gm19	4549603	4550601	Gmdrm	hypo	CHH	-0.0488
Gm19	4609342	4610323	Gmdrm	hypo	CHH	-0.0146
Gm19	4653158	4653209	Gmdrm	hypo	CHH	-0.0963
Gm19	4653328	4654316	Gmdrm	hypo	CHH	-0.04
Gm19	4699463	4700462	Gmdrm	hypo	CHH	-0.0217
Gm19	4734664	4735093	Gmdrm	hypo	CHH	-0.0252
Gm19	4748912	4749904	Gmdrm	hypo	CHH	-0.0274
Gm19	4787542	4788512	Gmdrm	hypo	CHH	-0.0177
Gm19	4830903	4831889	Gmdrm	hypo	CHH	-0.023
Gm19	4875654	4876267	Gmdrm	hypo	CHH	-0.034
Gm19	4879678	4880678	Gmdrm	hypo	CHH	-0.0888
Gm19	4923391	4924386	Gmdrm	hypo	CHH	-0.0402
Gm19	4962265	4963256	Gmdrm	hypo	CHH	-0.0324
Gm19	4963272	4964240	Gmdrm	hypo	CHH	-0.0364
Gm19	4965446	4966432	Gmdrm	hypo	CHH	-0.0207
Gm19	4968505	4969502	Gmdrm	hypo	CHH	-0.04
Gm19	4969507	4970495	Gmdrm	hypo	CHH	-0.0405
Gm19	4973002	4974002	Gmdrm	hypo	CHH	-0.0352
Gm19	4980037	4981029	Gmdrm	hypo	CHH	-0.037
Gm19	4981040	4981982	Gmdrm	hypo	CHH	-0.038
Gm19	4990765	4991025	Gmdrm	hypo	CHH	-0.09
Gm19	5010838	5011807	Gmdrm	hypo	CHH	-0.0281
Gm19	5013470	5014470	Gmdrm	hypo	CHH	-0.0195
Gm19	5017733	5018729	Gmdrm	hypo	CHH	-0.071
Gm19	5019780	5020774	Gmdrm	hypo	CHH	-0.0277
Gm19	5063616	5064596	Gmdrm	hypo	CHH	-0.0879
Gm19	5067689	5068683	Gmdrm	hypo	CHH	-0.0764
Gm19	5078579	5079571	Gmdrm	hypo	CHH	-0.035
Gm19	5084508	5085493	Gmdrm	hypo	CHH	-0.0442
Gm19	5085834	5086146	Gmdrm	hypo	CHH	-0.1433
Gm19	5086282	5087237	Gmdrm	hypo	CHH	-0.0349
Gm19	5093932	5094918	Gmdrm	hypo	CHH	-0.0725
Gm19	5106023	5107017	Gmdrm	hypo	CHH	-0.1149
Gm19	5107025	5108022	Gmdrm	hypo	CHH	-0.0938
Gm19	5109051	5110049	Gmdrm	hypo	CHH	-0.0209
Gm19	5110085	5111074	Gmdrm	hypo	CHH	-0.0308
Gm19	5111103	5112101	Gmdrm	hypo	CHH	-0.0211
Gm19	5125079	5126075	Gmdrm	hypo	CHH	-0.2533
Gm19	5126085	5127075	Gmdrm	hypo	CHH	-0.0313
Gm19	5127113	5128108	Gmdrm	hypo	CHH	-0.032
Gm19	5132506	5133503	Gmdrm	hypo	CHH	-0.0431

Gm19	5135053	5136052	Gmdrm	hypo	CHH	-0.0776
Gm19	5167135	5168127	Gmdrm	hypo	CHH	-0.0751
Gm19	5174950	5175944	Gmdrm	hypo	CHH	-0.0862
Gm19	5187250	5188209	Gmdrm	hypo	CHH	-0.0195
Gm19	5202884	5203880	Gmdrm	hypo	CHH	-0.0726
Gm19	5217782	5218753	Gmdrm	hypo	CHH	-0.0232
Gm19	5220808	5221807	Gmdrm	hypo	CHH	-0.0887
Gm19	5221810	5222254	Gmdrm	hypo	CHH	-0.1649
Gm19	5223365	5224363	Gmdrm	hypo	CHH	-0.073
Gm19	5233553	5234551	Gmdrm	hypo	CHH	-0.0202
Gm19	5234606	5235594	Gmdrm	hypo	CHH	-0.2271
Gm19	5235610	5236607	Gmdrm	hypo	CHH	-0.0248
Gm19	5236613	5236744	Gmdrm	hypo	CHH	-0.0344
Gm19	5254556	5255057	Gmdrm	hypo	CHH	-0.069
Gm19	5265364	5266338	Gmdrm	hypo	CHH	-0.0136
Gm19	5267392	5268390	Gmdrm	hypo	CHH	-0.0202
Gm19	5268394	5268909	Gmdrm	hypo	CHH	-0.0229
Gm19	5272618	5273556	Gmdrm	hypo	CHH	-0.0148
Gm19	5274983	5275770	Gmdrm	hypo	CHH	-0.0516
Gm19	5286876	5287865	Gmdrm	hypo	CHH	-0.0684
Gm19	5294420	5295420	Gmdrm	hypo	CHH	-0.0875
Gm19	5295422	5296422	Gmdrm	hypo	CHH	-0.0371
Gm19	5296429	5297421	Gmdrm	hypo	CHH	-0.0193
Gm19	5298441	5299441	Gmdrm	hypo	CHH	-0.0431
Gm19	5315811	5316805	Gmdrm	hypo	CHH	-0.0347
Gm19	5325419	5326410	Gmdrm	hypo	CHH	-0.0651
Gm19	5326452	5327098	Gmdrm	hypo	CHH	-0.0582
Gm19	5336407	5337384	Gmdrm	hypo	CHH	-0.0547
Gm19	5352509	5353506	Gmdrm	hypo	CHH	-0.0326
Gm19	5374288	5375283	Gmdrm	hypo	CHH	-0.0931
Gm19	5375293	5376293	Gmdrm	hypo	CHH	-0.0209
Gm19	5377598	5377687	Gmdrm	hypo	CHH	-0.132
Gm19	5379898	5380895	Gmdrm	hypo	CHH	-0.0209
Gm19	5383849	5384848	Gmdrm	hypo	CHH	-0.04
Gm19	5385864	5386819	Gmdrm	hypo	CHH	-0.0306
Gm19	5391910	5392574	Gmdrm	hypo	CHH	-0.0468
Gm19	5395928	5396893	Gmdrm	hypo	CHH	-0.0149
Gm19	5399809	5400807	Gmdrm	hypo	CHH	-0.0245
Gm19	5400817	5401292	Gmdrm	hypo	CHH	-0.0703
Gm19	5402024	5403022	Gmdrm	hypo	CHH	-0.0358
Gm19	5435705	5436688	Gmdrm	hypo	CHH	-0.0177
Gm19	5445308	5446284	Gmdrm	hypo	CHH	-0.0313
Gm19	5461955	5462945	Gmdrm	hypo	CHH	-0.0164
Gm19	5483102	5484073	Gmdrm	hypo	CHH	-0.0727
Gm19	5488507	5489506	Gmdrm	hypo	CHH	-0.0382
Gm19	5518080	5519080	Gmdrm	hypo	CHH	-0.0165

Gm19	5523526	5524500 Gmdrm	hypo	CHH	-0.0352
Gm19	5524527	5525526 Gmdrm	hypo	CHH	-0.0195
Gm19	5530225	5531217 Gmdrm	hypo	CHH	-0.0587
Gm19	5531575	5532108 Gmdrm	hypo	CHH	-0.0428
Gm19	5532231	5532407 Gmdrm	hypo	CHH	-0.1547
Gm19	5532511	5533377 Gmdrm	hypo	CHH	-0.117
Gm19	5545895	5546893 Gmdrm	hypo	CHH	-0.0522
Gm19	5557337	5558336 Gmdrm	hypo	CHH	-0.0658
Gm19	5577028	5577493 Gmdrm	hypo	CHH	-0.0563
Gm19	5581096	5581468 Gmdrm	hypo	CHH	-0.0309
Gm19	5589715	5590710 Gmdrm	hypo	CHH	-0.0492
Gm19	5594746	5595743 Gmdrm	hypo	CHH	-0.034
Gm19	5595748	5596392 Gmdrm	hypo	CHH	-0.0919
Gm19	5597547	5598543 Gmdrm	hypo	CHH	-0.0596
Gm19	5606171	5606385 Gmdrm	hypo	CHH	-0.1778
Gm19	5606766	5607027 Gmdrm	hypo	CHH	-0.055
Gm19	5614301	5615284 Gmdrm	hypo	CHH	-0.0365
Gm19	5626955	5627953 Gmdrm	hypo	CHH	-0.3055
Gm19	5627961	5628582 Gmdrm	hypo	CHH	-0.0721
Gm19	5635524	5636511 Gmdrm	hypo	CHH	-0.0489
Gm19	5636528	5637515 Gmdrm	hypo	CHH	-0.085
Gm19	5638085	5639079 Gmdrm	hypo	CHH	-0.0521
Gm19	5667580	5668578 Gmdrm	hypo	CHH	-0.0521
Gm19	5668581	5669018 Gmdrm	hypo	CHH	-0.0215
Gm19	5674116	5675078 Gmdrm	hypo	CHH	-0.037
Gm19	5708875	5709875 Gmdrm	hypo	CHH	-0.078
Gm19	5709877	5710453 Gmdrm	hypo	CHH	-0.0942
Gm19	5711315	5712314 Gmdrm	hypo	CHH	-0.0673
Gm19	5712316	5713309 Gmdrm	hypo	CHH	-0.0382
Gm19	5714471	5715445 Gmdrm	hypo	CHH	-0.056
Gm19	5715497	5716488 Gmdrm	hypo	CHH	-0.0663
Gm19	5724253	5725248 Gmdrm	hypo	CHH	-0.0404
Gm19	5733918	5734909 Gmdrm	hypo	CHH	-0.0297
Gm19	5760690	5761687 Gmdrm	hypo	CHH	-0.0132
Gm19	5761693	5762614 Gmdrm	hypo	CHH	-0.0134
Gm19	5787155	5788153 Gmdrm	hypo	CHH	-0.0283
Gm19	5809582	5810416 Gmdrm	hypo	CHH	-0.0741
Gm19	5819418	5820415 Gmdrm	hypo	CHH	-0.2338
Gm19	5820421	5821360 Gmdrm	hypo	CHH	-0.0742
Gm19	5821445	5822441 Gmdrm	hypo	CHH	-0.0143
Gm19	5822447	5823406 Gmdrm	hypo	CHH	-0.0121
Gm19	5824113	5825113 Gmdrm	hypo	CHH	-0.144
Gm19	5835938	5836934 Gmdrm	hypo	CHH	-0.0449
Gm19	5838173	5839169 Gmdrm	hypo	CHH	-0.2148
Gm19	5839182	5840182 Gmdrm	hypo	CHH	-0.0185
Gm19	5849958	5850465 Gmdrm	hypo	CHH	-0.0223

Gm19	5860738	5860774 Gmdrm	hypo	CHH	-0.04
Gm19	5863748	5863993 Gmdrm	hypo	CHH	-0.0415
Gm19	5893069	5894063 Gmdrm	hypo	CHH	-0.038
Gm19	5903508	5904506 Gmdrm	hypo	CHH	-0.1228
Gm19	5904535	5905521 Gmdrm	hypo	CHH	-0.0671
Gm19	5905537	5906534 Gmdrm	hypo	CHH	-0.0234
Gm19	5907544	5908223 Gmdrm	hypo	CHH	-0.1633
Gm19	5908333	5909269 Gmdrm	hypo	CHH	-0.0226
Gm19	5963743	5964737 Gmdrm	hypo	CHH	-0.0569
Gm19	5964761	5964792 Gmdrm	hypo	CHH	-0.1417
Gm19	5965205	5966162 Gmdrm	hypo	CHH	-0.0672
Gm19	5970267	5971263 Gmdrm	hypo	CHH	-0.0657
Gm19	5998070	5999066 Gmdrm	hypo	CHH	-0.0238
Gm19	6003182	6004143 Gmdrm	hypo	CHH	-0.022
Gm19	6017391	6018382 Gmdrm	hypo	CHH	-0.0693
Gm19	6018397	6019390 Gmdrm	hypo	CHH	-0.1255
Gm19	6027139	6028129 Gmdrm	hypo	CHH	-0.0277
Gm19	6033982	6034967 Gmdrm	hypo	CHH	-0.017
Gm19	6044890	6045862 Gmdrm	hypo	CHH	-0.1196
Gm19	6093187	6094140 Gmdrm	hypo	CHH	-0.0288
Gm19	6105753	6106245 Gmdrm	hypo	CHH	-0.0472
Gm19	6115254	6116254 Gmdrm	hypo	CHH	-0.0324
Gm19	6130721	6131713 Gmdrm	hypo	CHH	-0.0355
Gm19	6144178	6144632 Gmdrm	hypo	CHH	-0.042
Gm19	6144744	6145744 Gmdrm	hypo	CHH	-0.0857
Gm19	6151328	6152326 Gmdrm	hypo	CHH	-0.14
Gm19	6154344	6155323 Gmdrm	hypo	CHH	-0.0158
Gm19	6168766	6169468 Gmdrm	hypo	CHH	-0.0468
Gm19	6172860	6173854 Gmdrm	hypo	CHH	-0.0633
Gm19	6195647	6196188 Gmdrm	hypo	CHH	-0.0409
Gm19	6209577	6210563 Gmdrm	hypo	CHH	-0.0208
Gm19	6230183	6230862 Gmdrm	hypo	CHH	-0.0651
Gm19	6236285	6237267 Gmdrm	hypo	CHH	-0.0121
Gm19	6240019	6240999 Gmdrm	hypo	CHH	-0.0148
Gm19	6250926	6251920 Gmdrm	hypo	CHH	-0.0137
Gm19	6253959	6254955 Gmdrm	hypo	CHH	-0.0498
Gm19	6257767	6258718 Gmdrm	hypo	CHH	-0.085
Gm19	6259827	6260824 Gmdrm	hypo	CHH	-0.1249
Gm19	6263906	6264904 Gmdrm	hypo	CHH	-0.0704
Gm19	6285721	6286276 Gmdrm	hypo	CHH	-0.1039
Gm19	6290601	6291596 Gmdrm	hypo	CHH	-0.033
Gm19	6314693	6315693 Gmdrm	hypo	CHH	-0.0679
Gm19	6315719	6316650 Gmdrm	hypo	CHH	-0.0219
Gm19	6399756	6400478 Gmdrm	hypo	CHH	-0.0522
Gm19	6400585	6401585 Gmdrm	hypo	CHH	-0.0445
Gm19	6406669	6407649 Gmdrm	hypo	CHH	-0.0381

Gm19	6412174	6413129	Gmdrm	hypo	CHH	-0.0506
Gm19	6413177	6414058	Gmdrm	hypo	CHH	-0.0156
Gm19	6423114	6424103	Gmdrm	hypo	CHH	-0.0384
Gm19	6424131	6425119	Gmdrm	hypo	CHH	-0.0581
Gm19	6428186	6428468	Gmdrm	hypo	CHH	-0.0333
Gm19	6428570	6429570	Gmdrm	hypo	CHH	-0.1306
Gm19	6429576	6430499	Gmdrm	hypo	CHH	-0.0424
Gm19	6436892	6437389	Gmdrm	hypo	CHH	-0.2664
Gm19	6445223	6446216	Gmdrm	hypo	CHH	-0.029
Gm19	6460797	6460985	Gmdrm	hypo	CHH	-0.0643
Gm19	6464385	6465378	Gmdrm	hypo	CHH	-0.0433
Gm19	6465387	6466361	Gmdrm	hypo	CHH	-0.0206
Gm19	6468184	6469178	Gmdrm	hypo	CHH	-0.1497
Gm19	6469872	6470868	Gmdrm	hypo	CHH	-0.0317
Gm19	6492482	6493427	Gmdrm	hypo	CHH	-0.038
Gm19	6494820	6495800	Gmdrm	hypo	CHH	-0.0263
Gm19	6514372	6515370	Gmdrm	hypo	CHH	-0.0485
Gm19	6517048	6518027	Gmdrm	hypo	CHH	-0.0118
Gm19	6518053	6519027	Gmdrm	hypo	CHH	-0.0579
Gm19	6528449	6529449	Gmdrm	hypo	CHH	-0.1041
Gm19	6552947	6553918	Gmdrm	hypo	CHH	-0.0612
Gm19	6560072	6561051	Gmdrm	hypo	CHH	-0.0514
Gm19	6569720	6570719	Gmdrm	hypo	CHH	-0.0157
Gm19	6629744	6630738	Gmdrm	hypo	CHH	-0.1047
Gm19	6653357	6654282	Gmdrm	hypo	CHH	-0.0428
Gm19	6683078	6684043	Gmdrm	hypo	CHH	-0.0555
Gm19	6728020	6728812	Gmdrm	hypo	CHH	-0.02
Gm19	6736022	6736976	Gmdrm	hypo	CHH	-0.0251
Gm19	6739477	6740476	Gmdrm	hypo	CHH	-0.021
Gm19	6742540	6743004	Gmdrm	hypo	CHH	-0.0548
Gm19	6761898	6762898	Gmdrm	hypo	CHH	-0.0867
Gm19	6762904	6763869	Gmdrm	hypo	CHH	-0.2652
Gm19	6780736	6781735	Gmdrm	hypo	CHH	-0.0725
Gm19	6784747	6785715	Gmdrm	hypo	CHH	-0.048
Gm19	6785764	6786751	Gmdrm	hypo	CHH	-0.0332
Gm19	6811303	6812287	Gmdrm	hypo	CHH	-0.0188
Gm19	6814676	6815675	Gmdrm	hypo	CHH	-0.1808
Gm19	6815687	6816686	Gmdrm	hypo	CHH	-0.0575
Gm19	6822470	6823253	Gmdrm	hypo	CHH	-0.1055
Gm19	6852119	6852299	Gmdrm	hypo	CHH	-0.0525
Gm19	6876458	6877458	Gmdrm	hypo	CHH	-0.0559
Gm19	6877459	6878457	Gmdrm	hypo	CHH	-0.0538
Gm19	6895155	6896152	Gmdrm	hypo	CHH	-0.0401
Gm19	6937518	6938517	Gmdrm	hypo	CHH	-0.0175
Gm19	6965861	6966823	Gmdrm	hypo	CHH	-0.0929
Gm19	6968574	6969571	Gmdrm	hypo	CHH	-0.0188

Gm19	6977582	6978576 Gmdrm	hypo	CHH	-0.281
Gm19	6978586	6979571 Gmdrm	hypo	CHH	-0.1259
Gm19	6998819	6999805 Gmdrm	hypo	CHH	-0.2237
Gm19	6999847	7000815 Gmdrm	hypo	CHH	-0.0245
Gm19	7064147	7065137 Gmdrm	hypo	CHH	-0.034
Gm19	7076070	7077061 Gmdrm	hypo	CHH	-0.0267
Gm19	7112606	7113546 Gmdrm	hypo	CHH	-0.1501
Gm19	7120851	7121836 Gmdrm	hypo	CHH	-0.0555
Gm19	7122904	7123898 Gmdrm	hypo	CHH	-0.0367
Gm19	7131961	7132695 Gmdrm	hypo	CHH	-0.03
Gm19	7138795	7139793 Gmdrm	hypo	CHH	-0.0147
Gm19	7161796	7162789 Gmdrm	hypo	CHH	-0.0924
Gm19	7165346	7166341 Gmdrm	hypo	CHH	-0.0542
Gm19	7166348	7167348 Gmdrm	hypo	CHH	-0.0467
Gm19	7167355	7168353 Gmdrm	hypo	CHH	-0.0665
Gm19	7180469	7181462 Gmdrm	hypo	CHH	-0.093
Gm19	7181493	7182398 Gmdrm	hypo	CHH	-0.0556
Gm19	7186139	7187129 Gmdrm	hypo	CHH	-0.2437
Gm19	7192035	7193003 Gmdrm	hypo	CHH	-0.0571
Gm19	7210300	7211296 Gmdrm	hypo	CHH	-0.0521
Gm19	7216408	7217384 Gmdrm	hypo	CHH	-0.0274
Gm19	7253302	7254293 Gmdrm	hypo	CHH	-0.0774
Gm19	7263879	7264860 Gmdrm	hypo	CHH	-0.0654
Gm19	7280079	7281075 Gmdrm	hypo	CHH	-0.063
Gm19	7281084	7282082 Gmdrm	hypo	CHH	-0.0964
Gm19	7282086	7282779 Gmdrm	hypo	CHH	-0.1235
Gm19	7296411	7297401 Gmdrm	hypo	CHH	-0.083
Gm19	7299938	7300938 Gmdrm	hypo	CHH	-0.0326
Gm19	7300946	7301945 Gmdrm	hypo	CHH	-0.0344
Gm19	7304672	7305672 Gmdrm	hypo	CHH	-0.0718
Gm19	7324988	7325306 Gmdrm	hypo	CHH	-0.0489
Gm19	7325461	7326461 Gmdrm	hypo	CHH	-0.0385
Gm19	7326464	7327454 Gmdrm	hypo	CHH	-0.0646
Gm19	7327493	7328255 Gmdrm	hypo	CHH	-0.0918
Gm19	7328380	7329378 Gmdrm	hypo	CHH	-0.1412
Gm19	7329387	7330364 Gmdrm	hypo	CHH	-0.3965
Gm19	7331727	7332720 Gmdrm	hypo	CHH	-0.138
Gm19	7332741	7333724 Gmdrm	hypo	CHH	-0.102
Gm19	7336890	7337861 Gmdrm	hypo	CHH	-0.0432
Gm19	7345975	7346954 Gmdrm	hypo	CHH	-0.0268
Gm19	7346982	7347982 Gmdrm	hypo	CHH	-0.0336
Gm19	7347986	7348962 Gmdrm	hypo	CHH	-0.0608
Gm19	7350036	7351027 Gmdrm	hypo	CHH	-0.0707
Gm19	7351037	7352031 Gmdrm	hypo	CHH	-0.0574
Gm19	7367535	7368495 Gmdrm	hypo	CHH	-0.0762
Gm19	7368542	7369533 Gmdrm	hypo	CHH	-0.2027

Gm19	7375800	7376798	Gmdrm	hypo	CHH	-0.032
Gm19	7427505	7428005	Gmdrm	hypo	CHH	-0.0312
Gm19	7453143	7454115	Gmdrm	hypo	CHH	-0.039
Gm19	7454149	7454671	Gmdrm	hypo	CHH	-0.053
Gm19	7457085	7458079	Gmdrm	hypo	CHH	-0.0809
Gm19	7458086	7459063	Gmdrm	hypo	CHH	-0.0708
Gm19	7492373	7493370	Gmdrm	hypo	CHH	-0.0474
Gm19	7494384	7495381	Gmdrm	hypo	CHH	-0.0615
Gm19	7498278	7499276	Gmdrm	hypo	CHH	-0.0271
Gm19	7549691	7550691	Gmdrm	hypo	CHH	-0.0277
Gm19	7562702	7562733	Gmdrm	hypo	CHH	-0.24
Gm19	7753577	7754570	Gmdrm	hypo	CHH	-0.0517
Gm19	7799440	7800425	Gmdrm	hypo	CHH	-0.041
Gm19	7801921	7802907	Gmdrm	hypo	CHH	-0.0267
Gm19	7805898	7806896	Gmdrm	hypo	CHH	-0.051
Gm19	7836328	7837323	Gmdrm	hypo	CHH	-0.1495
Gm19	7847215	7848171	Gmdrm	hypo	CHH	-0.0427
Gm19	7848545	7849536	Gmdrm	hypo	CHH	-0.0305
Gm19	7850046	7850722	Gmdrm	hypo	CHH	-0.023
Gm19	7857466	7858447	Gmdrm	hypo	CHH	-0.0209
Gm19	7858469	7859436	Gmdrm	hypo	CHH	-0.0533
Gm19	7859478	7860466	Gmdrm	hypo	CHH	-0.021
Gm19	7860505	7861503	Gmdrm	hypo	CHH	-0.1241
Gm19	7861519	7861965	Gmdrm	hypo	CHH	-0.1471
Gm19	7865962	7866959	Gmdrm	hypo	CHH	-0.1174
Gm19	7866965	7867622	Gmdrm	hypo	CHH	-0.0215
Gm19	7877882	7878879	Gmdrm	hypo	CHH	-0.0205
Gm19	7878886	7879883	Gmdrm	hypo	CHH	-0.0305
Gm19	7915881	7916866	Gmdrm	hypo	CHH	-0.1112
Gm19	7926497	7927484	Gmdrm	hypo	CHH	-0.0223
Gm19	7927505	7928503	Gmdrm	hypo	CHH	-0.0257
Gm19	7928518	7929496	Gmdrm	hypo	CHH	-0.0664
Gm19	7975148	7975394	Gmdrm	hypo	CHH	-0.0857
Gm19	7979082	7979970	Gmdrm	hypo	CHH	-0.0499
Gm19	8012858	8013795	Gmdrm	hypo	CHH	-0.1493
Gm19	8030958	8031956	Gmdrm	hypo	CHH	-0.0485
Gm19	8031969	8032894	Gmdrm	hypo	CHH	-0.0236
Gm19	8039005	8039973	Gmdrm	hypo	CHH	-0.0557
Gm19	8069724	8070724	Gmdrm	hypo	CHH	-0.0512
Gm19	8079288	8080285	Gmdrm	hypo	CHH	-0.0409
Gm19	8085451	8086450	Gmdrm	hypo	CHH	-0.0132
Gm19	8088146	8089136	Gmdrm	hypo	CHH	-0.0258
Gm19	8112844	8113834	Gmdrm	hypo	CHH	-0.0253
Gm19	8113845	8114835	Gmdrm	hypo	CHH	-0.162
Gm19	8114857	8115850	Gmdrm	hypo	CHH	-0.0142
Gm19	8132118	8133098	Gmdrm	hypo	CHH	-0.0373

Gm19	8162306	8163301	Gmdrm	hypo	CHH	-0.0159
Gm19	8164861	8165855	Gmdrm	hypo	CHH	-0.126
Gm19	8165864	8166843	Gmdrm	hypo	CHH	-0.0685
Gm19	8201063	8202058	Gmdrm	hypo	CHH	-0.0811
Gm19	8205683	8206447	Gmdrm	hypo	CHH	-0.1444
Gm19	8206744	8207700	Gmdrm	hypo	CHH	-0.0972
Gm19	8207745	8208741	Gmdrm	hypo	CHH	-0.0675
Gm19	8221730	8222201	Gmdrm	hypo	CHH	-0.0467
Gm19	8222388	8223333	Gmdrm	hypo	CHH	-0.0519
Gm19	8224873	8225869	Gmdrm	hypo	CHH	-0.0469
Gm19	8228462	8229458	Gmdrm	hypo	CHH	-0.0577
Gm19	8259182	8260179	Gmdrm	hypo	CHH	-0.0473
Gm19	8260549	8261547	Gmdrm	hypo	CHH	-0.0672
Gm19	8289464	8290459	Gmdrm	hypo	CHH	-0.0702
Gm19	8290474	8291465	Gmdrm	hypo	CHH	-0.0379
Gm19	8296303	8296893	Gmdrm	hypo	CHH	-0.0429
Gm19	8302156	8303022	Gmdrm	hypo	CHH	-0.0151
Gm19	8304238	8305212	Gmdrm	hypo	CHH	-0.0168
Gm19	8306274	8307274	Gmdrm	hypo	CHH	-0.0314
Gm19	8307285	8308263	Gmdrm	hypo	CHH	-0.0474
Gm19	8312026	8313024	Gmdrm	hypo	CHH	-0.0123
Gm19	8316065	8317062	Gmdrm	hypo	CHH	-0.0304
Gm19	8317077	8318071	Gmdrm	hypo	CHH	-0.044
Gm19	8342535	8342836	Gmdrm	hypo	CHH	-0.032
Gm19	8379657	8380092	Gmdrm	hypo	CHH	-0.014
Gm19	8381344	8382342	Gmdrm	hypo	CHH	-0.0339
Gm19	8382366	8383362	Gmdrm	hypo	CHH	-0.046
Gm19	8412964	8413960	Gmdrm	hypo	CHH	-0.044
Gm19	8413992	8414989	Gmdrm	hypo	CHH	-0.021
Gm19	8415005	8415979	Gmdrm	hypo	CHH	-0.0451
Gm19	8424905	8425873	Gmdrm	hypo	CHH	-0.021
Gm19	8433299	8434295	Gmdrm	hypo	CHH	-0.0258
Gm19	8435321	8436308	Gmdrm	hypo	CHH	-0.0941
Gm19	8442346	8443345	Gmdrm	hypo	CHH	-0.0179
Gm19	8484315	8485258	Gmdrm	hypo	CHH	-0.0159
Gm19	8498963	8499954	Gmdrm	hypo	CHH	-0.1339
Gm19	8500481	8501457	Gmdrm	hypo	CHH	-0.0283
Gm19	8510409	8511388	Gmdrm	hypo	CHH	-0.0136
Gm19	8530511	8531504	Gmdrm	hypo	CHH	-0.0255
Gm19	8533530	8534527	Gmdrm	hypo	CHH	-0.0672
Gm19	8536772	8537761	Gmdrm	hypo	CHH	-0.0302
Gm19	8538789	8539787	Gmdrm	hypo	CHH	-0.0505
Gm19	8541076	8541869	Gmdrm	hypo	CHH	-0.0229
Gm19	8546558	8547543	Gmdrm	hypo	CHH	-0.0879
Gm19	8574539	8575509	Gmdrm	hypo	CHH	-0.054
Gm19	8579418	8580416	Gmdrm	hypo	CHH	-0.0575

Gm19	8598602	8599602	Gmdrm	hypo	CHH	-0.0795
Gm19	8599608	8600298	Gmdrm	hypo	CHH	-0.0648
Gm19	8607639	8608620	Gmdrm	hypo	CHH	-0.0382
Gm19	8636130	8637129	Gmdrm	hypo	CHH	-0.0354
Gm19	8637177	8638161	Gmdrm	hypo	CHH	-0.0265
Gm19	8638182	8639178	Gmdrm	hypo	CHH	-0.0175
Gm19	8639183	8640117	Gmdrm	hypo	CHH	-0.014
Gm19	8680393	8680785	Gmdrm	hypo	CHH	-0.054
Gm19	8682973	8683551	Gmdrm	hypo	CHH	-0.0236
Gm19	8683660	8684654	Gmdrm	hypo	CHH	-0.0554
Gm19	8684671	8685658	Gmdrm	hypo	CHH	-0.0174
Gm19	8721652	8722652	Gmdrm	hypo	CHH	-0.0216
Gm19	8729997	8730993	Gmdrm	hypo	CHH	-0.1437
Gm19	8731020	8732008	Gmdrm	hypo	CHH	-0.0333
Gm19	8735065	8735174	Gmdrm	hypo	CHH	-0.1218
Gm19	8757529	8758513	Gmdrm	hypo	CHH	-0.0496
Gm19	8758545	8759545	Gmdrm	hypo	CHH	-0.0239
Gm19	8759550	8760531	Gmdrm	hypo	CHH	-0.0321
Gm19	8782315	8783310	Gmdrm	hypo	CHH	-0.0634
Gm19	8797046	8798037	Gmdrm	hypo	CHH	-0.0629
Gm19	8824093	8825075	Gmdrm	hypo	CHH	-0.0478
Gm19	8830144	8831142	Gmdrm	hypo	CHH	-0.0292
Gm19	8847310	8848260	Gmdrm	hypo	CHH	-0.0289
Gm19	8848316	8849302	Gmdrm	hypo	CHH	-0.0199
Gm19	8859899	8860883	Gmdrm	hypo	CHH	-0.0172
Gm19	8860901	8861888	Gmdrm	hypo	CHH	-0.0154
Gm19	8940077	8941062	Gmdrm	hypo	CHH	-0.1005
Gm19	8946140	8947135	Gmdrm	hypo	CHH	-0.0258
Gm19	8958315	8958753	Gmdrm	hypo	CHH	-0.0207
Gm19	8959064	8960060	Gmdrm	hypo	CHH	-0.0141
Gm19	8998448	8999439	Gmdrm	hypo	CHH	-0.0413
Gm19	8999449	9000428	Gmdrm	hypo	CHH	-0.0287
Gm19	9000481	9001479	Gmdrm	hypo	CHH	-0.1294
Gm19	9024664	9025646	Gmdrm	hypo	CHH	-0.1002
Gm19	9025665	9025801	Gmdrm	hypo	CHH	-0.2584
Gm19	9026135	9027131	Gmdrm	hypo	CHH	-0.0441
Gm19	9068534	9069530	Gmdrm	hypo	CHH	-0.0253
Gm19	9070568	9071559	Gmdrm	hypo	CHH	-0.0277
Gm19	9075411	9076378	Gmdrm	hypo	CHH	-0.1539
Gm19	9078450	9079361	Gmdrm	hypo	CHH	-0.0165
Gm19	9086763	9087728	Gmdrm	hypo	CHH	-0.0229
Gm19	9088276	9089275	Gmdrm	hypo	CHH	-0.0319
Gm19	9089279	9090278	Gmdrm	hypo	CHH	-0.1148
Gm19	9090283	9091280	Gmdrm	hypo	CHH	-0.0292
Gm19	9091575	9092560	Gmdrm	hypo	CHH	-0.0503
Gm19	9118579	9119574	Gmdrm	hypo	CHH	-0.3138

Gm19	9119580	9120324	Gmdrm	hypo	CHH	-0.0312
Gm19	9125499	9126155	Gmdrm	hypo	CHH	-0.1234
Gm19	9126377	9127367	Gmdrm	hypo	CHH	-0.0379
Gm19	9137997	9138980	Gmdrm	hypo	CHH	-0.0789
Gm19	9162642	9163618	Gmdrm	hypo	CHH	-0.0669
Gm19	9194828	9195819	Gmdrm	hypo	CHH	-0.0337
Gm19	9201761	9202753	Gmdrm	hypo	CHH	-0.0974
Gm19	9211382	9212345	Gmdrm	hypo	CHH	-0.1051
Gm19	9275169	9276166	Gmdrm	hypo	CHH	-0.0193
Gm19	9276210	9277178	Gmdrm	hypo	CHH	-0.0123
Gm19	9280267	9281267	Gmdrm	hypo	CHH	-0.0285
Gm19	9281268	9282261	Gmdrm	hypo	CHH	-0.1147
Gm19	9289577	9289927	Gmdrm	hypo	CHH	-0.1146
Gm19	9306534	9306873	Gmdrm	hypo	CHH	-0.0413
Gm19	9311593	9312593	Gmdrm	hypo	CHH	-0.0289
Gm19	9342661	9343660	Gmdrm	hypo	CHH	-0.0456
Gm19	9343669	9344667	Gmdrm	hypo	CHH	-0.0704
Gm19	9344682	9345677	Gmdrm	hypo	CHH	-0.0353
Gm19	9352716	9353716	Gmdrm	hypo	CHH	-0.0735
Gm19	9355074	9356048	Gmdrm	hypo	CHH	-0.0489
Gm19	9373914	9374402	Gmdrm	hypo	CHH	-0.0551
Gm19	9389317	9390074	Gmdrm	hypo	CHH	-0.0546
Gm19	9392213	9393212	Gmdrm	hypo	CHH	-0.0138
Gm19	9393230	9394211	Gmdrm	hypo	CHH	-0.0265
Gm19	9394247	9394586	Gmdrm	hypo	CHH	-0.0319
Gm19	9399000	9399922	Gmdrm	hypo	CHH	-0.0218
Gm19	9551150	9552143	Gmdrm	hypo	CHH	-0.0169
Gm19	9573575	9574573	Gmdrm	hypo	CHH	-0.0747
Gm19	9574596	9575592	Gmdrm	hypo	CHH	-0.0612
Gm19	9575597	9576593	Gmdrm	hypo	CHH	-0.0683
Gm19	9576606	9577597	Gmdrm	hypo	CHH	-0.0827
Gm19	9577614	9578484	Gmdrm	hypo	CHH	-0.0776
Gm19	9578656	9579656	Gmdrm	hypo	CHH	-0.2219
Gm19	9579658	9580250	Gmdrm	hypo	CHH	-0.3374
Gm19	9580811	9581296	Gmdrm	hypo	CHH	-0.1038
Gm19	9585911	9586813	Gmdrm	hypo	CHH	-0.0308
Gm19	9589829	9590825	Gmdrm	hypo	CHH	-0.0258
Gm19	9590834	9591742	Gmdrm	hypo	CHH	-0.0517
Gm19	9720196	9721172	Gmdrm	hypo	CHH	-0.0194
Gm19	9723929	9724095	Gmdrm	hypo	CHH	-0.0884
Gm19	9730292	9731232	Gmdrm	hypo	CHH	-0.03
Gm19	9732348	9733011	Gmdrm	hypo	CHH	-0.0477
Gm19	9850019	9851016	Gmdrm	hypo	CHH	-0.2047
Gm19	9854334	9854607	Gmdrm	hypo	CHH	-0.0212
Gm19	9855322	9856322	Gmdrm	hypo	CHH	-0.1176
Gm19	9856326	9857294	Gmdrm	hypo	CHH	-0.0405

Gm19	9858349	9859347	Gmdrm	hypo	CHH	-0.017
Gm19	9889483	9890459	Gmdrm	hypo	CHH	-0.0223
Gm19	9994890	9995880	Gmdrm	hypo	CHH	-0.0353
Gm19	10180697	10181695	Gmdrm	hypo	CHH	-0.0545
Gm19	10181703	10182586	Gmdrm	hypo	CHH	-0.0307
Gm19	10188221	10188317	Gmdrm	hypo	CHH	-0.0608
Gm19	10208455	10209454	Gmdrm	hypo	CHH	-0.0375
Gm19	10217630	10218601	Gmdrm	hypo	CHH	-0.0444
Gm19	10251352	10252134	Gmdrm	hypo	CHH	-0.2174
Gm19	10253276	10254250	Gmdrm	hypo	CHH	-0.013
Gm19	10255087	10256080	Gmdrm	hypo	CHH	-0.0579
Gm19	10304896	10305896	Gmdrm	hypo	CHH	-0.0348
Gm19	10349279	10350279	Gmdrm	hypo	CHH	-0.0438
Gm19	10432300	10433299	Gmdrm	hypo	CHH	-0.0229
Gm19	10434418	10435414	Gmdrm	hypo	CHH	-0.0204
Gm19	10435427	10436401	Gmdrm	hypo	CHH	-0.0124
Gm19	10517020	10518011	Gmdrm	hypo	CHH	-0.061
Gm19	10935357	10936335	Gmdrm	hypo	CHH	-0.0181
Gm19	10936359	10937343	Gmdrm	hypo	CHH	-0.1494
Gm19	10937379	10938342	Gmdrm	hypo	CHH	-0.1143
Gm19	10954839	10955831	Gmdrm	hypo	CHH	-0.0222
Gm19	10955847	10956834	Gmdrm	hypo	CHH	-0.0147
Gm19	11019820	11020213	Gmdrm	hypo	CHH	-0.0697
Gm19	11173355	11173705	Gmdrm	hypo	CHH	-0.0201
Gm19	11207656	11208629	Gmdrm	hypo	CHH	-0.0304
Gm19	11210751	11211749	Gmdrm	hypo	CHH	-0.0252
Gm19	11244382	11244671	Gmdrm	hypo	CHH	-0.0484
Gm19	11608866	11609765	Gmdrm	hypo	CHH	-0.0298
Gm19	11652108	11653075	Gmdrm	hypo	CHH	-0.0712
Gm19	11660046	11661032	Gmdrm	hypo	CHH	-0.0412
Gm19	11809679	11810664	Gmdrm	hypo	CHH	-0.0184
Gm19	12009342	12009838	Gmdrm	hypo	CHH	-0.0375
Gm19	12058766	12059039	Gmdrm	hypo	CHH	-0.0409
Gm19	12254330	12255297	Gmdrm	hypo	CHH	-0.2157
Gm19	12263961	12264959	Gmdrm	hypo	CHH	-0.1205
Gm19	12264966	12265965	Gmdrm	hypo	CHH	-0.0407
Gm19	12287861	12288855	Gmdrm	hypo	CHH	-0.0267
Gm19	12288862	12289843	Gmdrm	hypo	CHH	-0.0519
Gm19	12289870	12290766	Gmdrm	hypo	CHH	-0.0345
Gm19	12298518	12299517	Gmdrm	hypo	CHH	-0.0127
Gm19	12302561	12303558	Gmdrm	hypo	CHH	-0.0938
Gm19	12310746	12311731	Gmdrm	hypo	CHH	-0.0325
Gm19	12467614	12468610	Gmdrm	hypo	CHH	-0.0276
Gm19	12477451	12478142	Gmdrm	hypo	CHH	-0.0168
Gm19	12480357	12480503	Gmdrm	hypo	CHH	-0.0512
Gm19	12480626	12481609	Gmdrm	hypo	CHH	-0.0317

Gm19	12481628	12482620	Gmdrm	hypo	CHH	-0.0376
Gm19	12483635	12484631	Gmdrm	hypo	CHH	-0.172
Gm19	12484638	12485638	Gmdrm	hypo	CHH	-0.0311
Gm19	12507261	12507537	Gmdrm	hypo	CHH	-0.1211
Gm19	12548925	12549888	Gmdrm	hypo	CHH	-0.0155
Gm19	12575845	12576841	Gmdrm	hypo	CHH	-0.0388
Gm19	12587250	12587662	Gmdrm	hypo	CHH	-0.1476
Gm19	12790919	12791902	Gmdrm	hypo	CHH	-0.0415
Gm19	12886527	12887353	Gmdrm	hypo	CHH	-0.021
Gm19	12890495	12891432	Gmdrm	hypo	CHH	-0.0218
Gm19	12893251	12894249	Gmdrm	hypo	CHH	-0.0572
Gm19	12981641	12982059	Gmdrm	hypo	CHH	-0.1821
Gm19	13018670	13019096	Gmdrm	hypo	CHH	-0.084
Gm19	13066795	13067779	Gmdrm	hypo	CHH	-0.1342
Gm19	13067796	13068766	Gmdrm	hypo	CHH	-0.3351
Gm19	13068817	13069774	Gmdrm	hypo	CHH	-0.0774
Gm19	13071526	13072476	Gmdrm	hypo	CHH	-0.0697
Gm19	13077689	13078681	Gmdrm	hypo	CHH	-0.0215
Gm19	13093663	13094659	Gmdrm	hypo	CHH	-0.0689
Gm19	13116841	13117433	Gmdrm	hypo	CHH	-0.0278
Gm19	13117884	13118828	Gmdrm	hypo	CHH	-0.0322
Gm19	13118889	13119070	Gmdrm	hypo	CHH	-0.0643
Gm19	13149504	13150258	Gmdrm	hypo	CHH	-0.0434
Gm19	13257665	13258641	Gmdrm	hypo	CHH	-0.0719
Gm19	13259973	13260789	Gmdrm	hypo	CHH	-0.0211
Gm19	13261783	13262778	Gmdrm	hypo	CHH	-0.0158
Gm19	13333384	13334380	Gmdrm	hypo	CHH	-0.028
Gm19	13437258	13437295	Gmdrm	hypo	CHH	-0.283
Gm19	13478753	13479734	Gmdrm	hypo	CHH	-0.02
Gm19	13479776	13480759	Gmdrm	hypo	CHH	-0.0784
Gm19	13625810	13626806	Gmdrm	hypo	CHH	-0.0652
Gm19	13626817	13627798	Gmdrm	hypo	CHH	-0.0452
Gm19	13633865	13634864	Gmdrm	hypo	CHH	-0.0435
Gm19	13634868	13635863	Gmdrm	hypo	CHH	-0.0587
Gm19	13638906	13639890	Gmdrm	hypo	CHH	-0.0212
Gm19	13640825	13641193	Gmdrm	hypo	CHH	-0.1372
Gm19	13693848	13694106	Gmdrm	hypo	CHH	-0.0629
Gm19	13696529	13697528	Gmdrm	hypo	CHH	-0.0425
Gm19	13697534	13698497	Gmdrm	hypo	CHH	-0.054
Gm19	13704862	13705853	Gmdrm	hypo	CHH	-0.0428
Gm19	13713391	13714391	Gmdrm	hypo	CHH	-0.0919
Gm19	13737919	13738634	Gmdrm	hypo	CHH	-0.07
Gm19	13739745	13739933	Gmdrm	hypo	CHH	-0.0539
Gm19	13741065	13742061	Gmdrm	hypo	CHH	-0.0229
Gm19	13872433	13873369	Gmdrm	hypo	CHH	-0.0207
Gm19	13874495	13875494	Gmdrm	hypo	CHH	-0.0189

Gm19	13876714	13877705	Gmdrm	hypo	CHH	-0.0223
Gm19	13881432	13882421	Gmdrm	hypo	CHH	-0.0499
Gm19	13995039	13995986	Gmdrm	hypo	CHH	-0.0749
Gm19	14002482	14003456	Gmdrm	hypo	CHH	-0.02
Gm19	14043847	14044816	Gmdrm	hypo	CHH	-0.0608
Gm19	14161564	14161673	Gmdrm	hypo	CHH	-0.1686
Gm19	14417475	14418467	Gmdrm	hypo	CHH	-0.0255
Gm19	14534760	14534818	Gmdrm	hypo	CHH	-0.182
Gm19	14537947	14537998	Gmdrm	hypo	CHH	-0.1713
Gm19	14554738	14554759	Gmdrm	hypo	CHH	-0.3
Gm19	14763450	14764409	Gmdrm	hypo	CHH	-0.0326
Gm19	14768925	14769884	Gmdrm	hypo	CHH	-0.0146
Gm19	14777258	14778254	Gmdrm	hypo	CHH	-0.0161
Gm19	14895047	14895878	Gmdrm	hypo	CHH	-0.0513
Gm19	15043778	15043916	Gmdrm	hypo	CHH	-0.148
Gm19	15147211	15148211	Gmdrm	hypo	CHH	-0.1049
Gm19	15148227	15148918	Gmdrm	hypo	CHH	-0.2839
Gm19	15150776	15151770	Gmdrm	hypo	CHH	-0.0286
Gm19	15300205	15301204	Gmdrm	hypo	CHH	-0.0575
Gm19	15306535	15306975	Gmdrm	hypo	CHH	-0.0386
Gm19	15310514	15311510	Gmdrm	hypo	CHH	-0.0619
Gm19	15660745	15661743	Gmdrm	hypo	CHH	-0.2149
Gm19	15661765	15662716	Gmdrm	hypo	CHH	-0.1053
Gm19	15667151	15668139	Gmdrm	hypo	CHH	-0.0218
Gm19	15989931	15990930	Gmdrm	hypo	CHH	-0.0765
Gm19	15990935	15991935	Gmdrm	hypo	CHH	-0.0691
Gm19	16062429	16063423	Gmdrm	hypo	CHH	-0.1372
Gm19	16063439	16063563	Gmdrm	hypo	CHH	-0.1013
Gm19	16139962	16140962	Gmdrm	hypo	CHH	-0.0235
Gm19	16185773	16186605	Gmdrm	hypo	CHH	-0.04
Gm19	16490043	16490571	Gmdrm	hypo	CHH	-0.0404
Gm19	16542915	16543882	Gmdrm	hypo	CHH	-0.0289
Gm19	16543922	16544435	Gmdrm	hypo	CHH	-0.0417
Gm19	16551455	16552447	Gmdrm	hypo	CHH	-0.0114
Gm19	16608033	16608201	Gmdrm	hypo	CHH	-0.1607
Gm19	16837659	16838522	Gmdrm	hypo	CHH	-0.0435
Gm19	16931318	16932282	Gmdrm	hypo	CHH	-0.0696
Gm19	16937430	16938225	Gmdrm	hypo	CHH	-0.0606
Gm19	17854011	17854104	Gmdrm	hypo	CHH	-0.1156
Gm19	17959567	17959576	Gmdrm	hypo	CHH	-0.2033
Gm19	18043114	18044071	Gmdrm	hypo	CHH	-0.0141
Gm19	18074896	18075893	Gmdrm	hypo	CHH	-0.0256
Gm19	18179568	18180565	Gmdrm	hypo	CHH	-0.0371
Gm19	18418389	18419384	Gmdrm	hypo	CHH	-0.0341
Gm19	18419392	18419821	Gmdrm	hypo	CHH	-0.1116
Gm19	18460237	18460290	Gmdrm	hypo	CHH	-0.196

Gm19	18877539	18877616	Gmdrm	hypo	CHH	-0.3
Gm19	18906974	18907869	Gmdrm	hypo	CHH	-0.076
Gm19	19155631	19156454	Gmdrm	hypo	CHH	-0.067
Gm19	19173392	19174362	Gmdrm	hypo	CHH	-0.0698
Gm19	19176374	19177351	Gmdrm	hypo	CHH	-0.0507
Gm19	19184417	19184704	Gmdrm	hypo	CHH	-0.045
Gm19	19212899	19213583	Gmdrm	hypo	CHH	-0.1211
Gm19	19216330	19217176	Gmdrm	hypo	CHH	-0.2084
Gm19	19426170	19427167	Gmdrm	hypo	CHH	-0.0371
Gm19	19573931	19574546	Gmdrm	hypo	CHH	-0.073
Gm19	19780477	19781256	Gmdrm	hypo	CHH	-0.0329
Gm19	19789424	19790397	Gmdrm	hypo	CHH	-0.0308
Gm19	19790444	19790776	Gmdrm	hypo	CHH	-0.044
Gm19	19793841	19794704	Gmdrm	hypo	CHH	-0.0421
Gm19	19887196	19887490	Gmdrm	hypo	CHH	-0.1025
Gm19	19975452	19975581	Gmdrm	hypo	CHH	-0.1975
Gm19	20185720	20185969	Gmdrm	hypo	CHH	-0.0771
Gm19	20245911	20246023	Gmdrm	hypo	CHH	-0.1358
Gm19	20262142	20263142	Gmdrm	hypo	CHH	-0.0382
Gm19	20264155	20264537	Gmdrm	hypo	CHH	-0.0571
Gm19	20505186	20506047	Gmdrm	hypo	CHH	-0.0864
Gm19	20507615	20508389	Gmdrm	hypo	CHH	-0.0674
Gm19	20525707	20526689	Gmdrm	hypo	CHH	-0.0788
Gm19	20529737	20530431	Gmdrm	hypo	CHH	-0.101
Gm19	20536495	20537490	Gmdrm	hypo	CHH	-0.0598
Gm19	20716459	20716666	Gmdrm	hypo	CHH	-0.1114
Gm19	20898305	20899299	Gmdrm	hypo	CHH	-0.0613
Gm19	20901323	20901435	Gmdrm	hypo	CHH	-0.0378
Gm19	21076231	21077230	Gmdrm	hypo	CHH	-0.2896
Gm19	21077243	21078218	Gmdrm	hypo	CHH	-0.0402
Gm19	21078254	21078764	Gmdrm	hypo	CHH	-0.0412
Gm19	21085032	21085192	Gmdrm	hypo	CHH	-0.0456
Gm19	21086589	21087589	Gmdrm	hypo	CHH	-0.1719
Gm19	21087602	21087975	Gmdrm	hypo	CHH	-0.3083
Gm19	21089119	21089943	Gmdrm	hypo	CHH	-0.2072
Gm19	21092206	21093193	Gmdrm	hypo	CHH	-0.0275
Gm19	21103008	21103985	Gmdrm	hypo	CHH	-0.069
Gm19	21123237	21123418	Gmdrm	hypo	CHH	-0.154
Gm19	21175370	21176364	Gmdrm	hypo	CHH	-0.0215
Gm19	21176377	21176751	Gmdrm	hypo	CHH	-0.0303
Gm19	21279887	21280862	Gmdrm	hypo	CHH	-0.0133
Gm19	21280918	21281439	Gmdrm	hypo	CHH	-0.0627
Gm19	21281548	21282529	Gmdrm	hypo	CHH	-0.0188
Gm19	21283509	21284507	Gmdrm	hypo	CHH	-0.0353
Gm19	21371752	21371774	Gmdrm	hypo	CHH	-0.078
Gm19	21475253	21476251	Gmdrm	hypo	CHH	-0.0371

Gm19	21482318	21483304	Gmdrm	hypo	CHH	-0.0284
Gm19	21483333	21484306	Gmdrm	hypo	CHH	-0.0149
Gm19	21485800	21486172	Gmdrm	hypo	CHH	-0.033
Gm19	21499140	21500109	Gmdrm	hypo	CHH	-0.0171
Gm19	21603461	21604460	Gmdrm	hypo	CHH	-0.0441
Gm19	21607481	21608464	Gmdrm	hypo	CHH	-0.0247
Gm19	21610741	21611727	Gmdrm	hypo	CHH	-0.0566
Gm19	21686860	21687801	Gmdrm	hypo	CHH	-0.271
Gm19	21705472	21706457	Gmdrm	hypo	CHH	-0.0181
Gm19	21716968	21717960	Gmdrm	hypo	CHH	-0.0777
Gm19	21747037	21747090	Gmdrm	hypo	CHH	-0.05
Gm19	21781004	21782002	Gmdrm	hypo	CHH	-0.0867
Gm19	21915891	21915944	Gmdrm	hypo	CHH	-0.3329
Gm19	22120859	22121857	Gmdrm	hypo	CHH	-0.1986
Gm19	22188270	22189263	Gmdrm	hypo	CHH	-0.0539
Gm19	22199123	22200012	Gmdrm	hypo	CHH	-0.0108
Gm19	22309692	22310688	Gmdrm	hypo	CHH	-0.0301
Gm19	22358989	22359637	Gmdrm	hypo	CHH	-0.1022
Gm19	22420881	22421863	Gmdrm	hypo	CHH	-0.0167
Gm19	22427444	22428439	Gmdrm	hypo	CHH	-0.1922
Gm19	22428449	22429448	Gmdrm	hypo	CHH	-0.0549
Gm19	22565659	22565684	Gmdrm	hypo	CHH	-0.18
Gm19	22629480	22629820	Gmdrm	hypo	CHH	-0.158
Gm19	22653089	22654053	Gmdrm	hypo	CHH	-0.0555
Gm19	22655445	22656436	Gmdrm	hypo	CHH	-0.0265
Gm19	22664565	22664768	Gmdrm	hypo	CHH	-0.0644
Gm19	22665667	22666660	Gmdrm	hypo	CHH	-0.0156
Gm19	22970527	22971516	Gmdrm	hypo	CHH	-0.0159
Gm19	22971531	22972505	Gmdrm	hypo	CHH	-0.0936
Gm19	22973542	22974520	Gmdrm	hypo	CHH	-0.0528
Gm19	22974900	22975899	Gmdrm	hypo	CHH	-0.1126
Gm19	22978983	22979982	Gmdrm	hypo	CHH	-0.0194
Gm19	23079343	23079919	Gmdrm	hypo	CHH	-0.064
Gm19	23107640	23108632	Gmdrm	hypo	CHH	-0.0635
Gm19	23146379	23147372	Gmdrm	hypo	CHH	-0.0514
Gm19	23152744	23153741	Gmdrm	hypo	CHH	-0.0703
Gm19	23396991	23397991	Gmdrm	hypo	CHH	-0.0468
Gm19	23398011	23399002	Gmdrm	hypo	CHH	-0.0539
Gm19	23399045	23399848	Gmdrm	hypo	CHH	-0.1341
Gm19	23400022	23400387	Gmdrm	hypo	CHH	-0.3777
Gm19	23402908	23403727	Gmdrm	hypo	CHH	-0.1626
Gm19	23404016	23405016	Gmdrm	hypo	CHH	-0.0528
Gm19	23498363	23498501	Gmdrm	hypo	CHH	-0.1857
Gm19	23520481	23521467	Gmdrm	hypo	CHH	-0.0419
Gm19	23554067	23555067	Gmdrm	hypo	CHH	-0.0438
Gm19	23937983	23938974	Gmdrm	hypo	CHH	-0.0484

Gm19	23979366	23979553	Gmdrm	hypo	CHH	-0.0983
Gm19	24040942	24041707	Gmdrm	hypo	CHH	-0.0307
Gm19	24053279	24054278	Gmdrm	hypo	CHH	-0.0454
Gm19	24124690	24125679	Gmdrm	hypo	CHH	-0.0318
Gm19	24193978	24194723	Gmdrm	hypo	CHH	-0.0445
Gm19	24312227	24313222	Gmdrm	hypo	CHH	-0.0644
Gm19	24313230	24314165	Gmdrm	hypo	CHH	-0.0862
Gm19	24314308	24315296	Gmdrm	hypo	CHH	-0.0504
Gm19	24541028	24542027	Gmdrm	hypo	CHH	-0.0276
Gm19	24551643	24552638	Gmdrm	hypo	CHH	-0.0761
Gm19	24552645	24553631	Gmdrm	hypo	CHH	-0.0411
Gm19	24554072	24555069	Gmdrm	hypo	CHH	-0.0266
Gm19	24588148	24589148	Gmdrm	hypo	CHH	-0.0297
Gm19	24715039	24716039	Gmdrm	hypo	CHH	-0.2357
Gm19	24716044	24717010	Gmdrm	hypo	CHH	-0.2931
Gm19	24717048	24718035	Gmdrm	hypo	CHH	-0.0226
Gm19	25016310	25017305	Gmdrm	hypo	CHH	-0.1089
Gm19	25107127	25107811	Gmdrm	hypo	CHH	-0.0383
Gm19	25122226	25123207	Gmdrm	hypo	CHH	-0.0229
Gm19	25165544	25166544	Gmdrm	hypo	CHH	-0.0854
Gm19	25218338	25219329	Gmdrm	hypo	CHH	-0.0181
Gm19	25411966	25412046	Gmdrm	hypo	CHH	-0.2278
Gm19	25443159	25443288	Gmdrm	hypo	CHH	-0.1625
Gm19	25508101	25508272	Gmdrm	hypo	CHH	-0.1487
Gm19	25704765	25705754	Gmdrm	hypo	CHH	-0.0779
Gm19	25705775	25706079	Gmdrm	hypo	CHH	-0.0644
Gm19	25706713	25707646	Gmdrm	hypo	CHH	-0.05
Gm19	25707715	25708705	Gmdrm	hypo	CHH	-0.0173
Gm19	25726659	25727637	Gmdrm	hypo	CHH	-0.0592
Gm19	25874188	25875188	Gmdrm	hypo	CHH	-0.0455
Gm19	25888360	25889350	Gmdrm	hypo	CHH	-0.0258
Gm19	25891986	25892809	Gmdrm	hypo	CHH	-0.0382
Gm19	25892916	25893895	Gmdrm	hypo	CHH	-0.0138
Gm19	26001007	26002007	Gmdrm	hypo	CHH	-0.0117
Gm19	26163832	26164606	Gmdrm	hypo	CHH	-0.0612
Gm19	26164796	26165774	Gmdrm	hypo	CHH	-0.0326
Gm19	26327712	26327846	Gmdrm	hypo	CHH	-0.1513
Gm19	26460720	26461408	Gmdrm	hypo	CHH	-0.0444
Gm19	26545716	26546698	Gmdrm	hypo	CHH	-0.0208
Gm19	26575327	26576327	Gmdrm	hypo	CHH	-0.0345
Gm19	26578358	26579348	Gmdrm	hypo	CHH	-0.041
Gm19	26609616	26610031	Gmdrm	hypo	CHH	-0.0812
Gm19	26704147	26705147	Gmdrm	hypo	CHH	-0.0484
Gm19	26755763	26756751	Gmdrm	hypo	CHH	-0.049
Gm19	26785769	26786486	Gmdrm	hypo	CHH	-0.0835
Gm19	26814210	26815203	Gmdrm	hypo	CHH	-0.0495

Gm19	26964084	26964125	Gmdrm	hypo	CHH	-0.1385
Gm19	27017423	27017780	Gmdrm	hypo	CHH	-0.1089
Gm19	27328564	27329290	Gmdrm	hypo	CHH	-0.0518
Gm19	27330425	27331412	Gmdrm	hypo	CHH	-0.027
Gm19	27395357	27395947	Gmdrm	hypo	CHH	-0.3086
Gm19	27432306	27433303	Gmdrm	hypo	CHH	-0.0197
Gm19	27459674	27460668	Gmdrm	hypo	CHH	-0.1165
Gm19	27462691	27463690	Gmdrm	hypo	CHH	-0.0712
Gm19	27515179	27516176	Gmdrm	hypo	CHH	-0.0551
Gm19	27527396	27528385	Gmdrm	hypo	CHH	-0.0991
Gm19	27528646	27528782	Gmdrm	hypo	CHH	-0.1814
Gm19	27530967	27531934	Gmdrm	hypo	CHH	-0.1267
Gm19	27535125	27536106	Gmdrm	hypo	CHH	-0.0156
Gm19	27538389	27539385	Gmdrm	hypo	CHH	-0.0551
Gm19	27539399	27540398	Gmdrm	hypo	CHH	-0.0867
Gm19	27542003	27542977	Gmdrm	hypo	CHH	-0.1307
Gm19	27547950	27548904	Gmdrm	hypo	CHH	-0.0171
Gm19	27564346	27565334	Gmdrm	hypo	CHH	-0.0361
Gm19	27568363	27569150	Gmdrm	hypo	CHH	-0.0302
Gm19	27571001	27571996	Gmdrm	hypo	CHH	-0.0459
Gm19	27585210	27586204	Gmdrm	hypo	CHH	-0.0373
Gm19	27586234	27587231	Gmdrm	hypo	CHH	-0.0501
Gm19	27587239	27588234	Gmdrm	hypo	CHH	-0.1286
Gm19	27608188	27609179	Gmdrm	hypo	CHH	-0.0564
Gm19	27609191	27609331	Gmdrm	hypo	CHH	-0.046
Gm19	27609433	27610426	Gmdrm	hypo	CHH	-0.0368
Gm19	27610454	27611410	Gmdrm	hypo	CHH	-0.0329
Gm19	27611461	27612457	Gmdrm	hypo	CHH	-0.079
Gm19	27614743	27615741	Gmdrm	hypo	CHH	-0.0353
Gm19	27622090	27623038	Gmdrm	hypo	CHH	-0.0739
Gm19	27658509	27659498	Gmdrm	hypo	CHH	-0.0169
Gm19	27686526	27687526	Gmdrm	hypo	CHH	-0.036
Gm19	27711896	27712896	Gmdrm	hypo	CHH	-0.0096
Gm19	27718107	27719105	Gmdrm	hypo	CHH	-0.1395
Gm19	27724004	27724998	Gmdrm	hypo	CHH	-0.0539
Gm19	27729101	27730099	Gmdrm	hypo	CHH	-0.0627
Gm19	27736176	27737167	Gmdrm	hypo	CHH	-0.1158
Gm19	27746527	27747521	Gmdrm	hypo	CHH	-0.0324
Gm19	27747532	27748496	Gmdrm	hypo	CHH	-0.0186
Gm19	27749545	27750544	Gmdrm	hypo	CHH	-0.1079
Gm19	27752560	27753557	Gmdrm	hypo	CHH	-0.15
Gm19	27775958	27776944	Gmdrm	hypo	CHH	-0.0651
Gm19	27776960	27777946	Gmdrm	hypo	CHH	-0.3056
Gm19	27786169	27786545	Gmdrm	hypo	CHH	-0.0244
Gm19	27821124	27821551	Gmdrm	hypo	CHH	-0.0592
Gm19	27821668	27822653	Gmdrm	hypo	CHH	-0.0811

Gm19	27828305	27829303	Gmdrm	hypo	CHH	-0.2146
Gm19	27829315	27830313	Gmdrm	hypo	CHH	-0.0973
Gm19	27891274	27892258	Gmdrm	hypo	CHH	-0.0601
Gm19	27893281	27894281	Gmdrm	hypo	CHH	-0.0552
Gm19	27905038	27905579	Gmdrm	hypo	CHH	-0.0506
Gm19	27905683	27906680	Gmdrm	hypo	CHH	-0.0122
Gm19	27906723	27907718	Gmdrm	hypo	CHH	-0.0153
Gm19	27907728	27908726	Gmdrm	hypo	CHH	-0.0415
Gm19	27912553	27913014	Gmdrm	hypo	CHH	-0.0264
Gm19	27914709	27915186	Gmdrm	hypo	CHH	-0.3506
Gm19	27915553	27916097	Gmdrm	hypo	CHH	-0.1038
Gm19	27916211	27917211	Gmdrm	hypo	CHH	-0.2235
Gm19	27918244	27919240	Gmdrm	hypo	CHH	-0.0633
Gm19	27929310	27930309	Gmdrm	hypo	CHH	-0.0331
Gm19	27945058	27946054	Gmdrm	hypo	CHH	-0.1402
Gm19	27952072	27953068	Gmdrm	hypo	CHH	-0.0426
Gm19	27957037	27958035	Gmdrm	hypo	CHH	-0.0541
Gm19	27984353	27984627	Gmdrm	hypo	CHH	-0.153
Gm19	28009598	28010598	Gmdrm	hypo	CHH	-0.031
Gm19	28010608	28010914	Gmdrm	hypo	CHH	-0.0241
Gm19	28029363	28030196	Gmdrm	hypo	CHH	-0.2548
Gm19	28035531	28036530	Gmdrm	hypo	CHH	-0.0244
Gm19	28036535	28037530	Gmdrm	hypo	CHH	-0.0743
Gm19	28041928	28042917	Gmdrm	hypo	CHH	-0.0237
Gm19	28048434	28049432	Gmdrm	hypo	CHH	-0.0406
Gm19	28094723	28095336	Gmdrm	hypo	CHH	-0.0266
Gm19	28097751	28098751	Gmdrm	hypo	CHH	-0.0643
Gm19	28098772	28099772	Gmdrm	hypo	CHH	-0.1377
Gm19	28100804	28101803	Gmdrm	hypo	CHH	-0.0266
Gm19	28101807	28102787	Gmdrm	hypo	CHH	-0.1096
Gm19	28158340	28159079	Gmdrm	hypo	CHH	-0.0272
Gm19	28165012	28165978	Gmdrm	hypo	CHH	-0.0181
Gm19	28166593	28167590	Gmdrm	hypo	CHH	-0.1064
Gm19	28167601	28168142	Gmdrm	hypo	CHH	-0.1427
Gm19	28170156	28171155	Gmdrm	hypo	CHH	-0.0362
Gm19	28171597	28172574	Gmdrm	hypo	CHH	-0.0562
Gm19	28173771	28174138	Gmdrm	hypo	CHH	-0.0689
Gm19	28174281	28175280	Gmdrm	hypo	CHH	-0.0475
Gm19	28176299	28177299	Gmdrm	hypo	CHH	-0.0183
Gm19	28177885	28178884	Gmdrm	hypo	CHH	-0.171
Gm19	28178887	28179883	Gmdrm	hypo	CHH	-0.1291
Gm19	28179891	28180888	Gmdrm	hypo	CHH	-0.0129
Gm19	28180905	28181884	Gmdrm	hypo	CHH	-0.0182
Gm19	28181913	28182684	Gmdrm	hypo	CHH	-0.0208
Gm19	28210386	28210807	Gmdrm	hypo	CHH	-0.0748
Gm19	28210935	28211930	Gmdrm	hypo	CHH	-0.0659

Gm19	28211992	28212978	Gmdrm	hypo	CHH	-0.0454
Gm19	28213007	28213987	Gmdrm	hypo	CHH	-0.0743
Gm19	28214008	28214206	Gmdrm	hypo	CHH	-0.0639
Gm19	28215623	28216622	Gmdrm	hypo	CHH	-0.0225
Gm19	28216627	28217625	Gmdrm	hypo	CHH	-0.0296
Gm19	28217629	28218624	Gmdrm	hypo	CHH	-0.0381
Gm19	28219644	28220598	Gmdrm	hypo	CHH	-0.0193
Gm19	28231725	28232709	Gmdrm	hypo	CHH	-0.0821
Gm19	28243212	28244208	Gmdrm	hypo	CHH	-0.0442
Gm19	28244213	28244303	Gmdrm	hypo	CHH	-0.362
Gm19	28244438	28245426	Gmdrm	hypo	CHH	-0.1685
Gm19	28245598	28246297	Gmdrm	hypo	CHH	-0.0197
Gm19	28271623	28272602	Gmdrm	hypo	CHH	-0.102
Gm19	28276140	28277139	Gmdrm	hypo	CHH	-0.0318
Gm19	28297115	28298082	Gmdrm	hypo	CHH	-0.0528
Gm19	28339071	28339172	Gmdrm	hypo	CHH	-0.28
Gm19	28396902	28397875	Gmdrm	hypo	CHH	-0.0176
Gm19	28398807	28399799	Gmdrm	hypo	CHH	-0.029
Gm19	28399808	28400551	Gmdrm	hypo	CHH	-0.028
Gm19	28400895	28401892	Gmdrm	hypo	CHH	-0.0292
Gm19	28433562	28434559	Gmdrm	hypo	CHH	-0.037
Gm19	28439163	28439739	Gmdrm	hypo	CHH	-0.1066
Gm19	28448475	28448787	Gmdrm	hypo	CHH	-0.0648
Gm19	28475318	28476306	Gmdrm	hypo	CHH	-0.0108
Gm19	28503823	28504821	Gmdrm	hypo	CHH	-0.0932
Gm19	28525706	28526689	Gmdrm	hypo	CHH	-0.0412
Gm19	28528245	28529245	Gmdrm	hypo	CHH	-0.017
Gm19	28570173	28571128	Gmdrm	hypo	CHH	-0.0867
Gm19	28581497	28582444	Gmdrm	hypo	CHH	-0.0212
Gm19	28594965	28595929	Gmdrm	hypo	CHH	-0.0409
Gm19	28633548	28633626	Gmdrm	hypo	CHH	-0.1744
Gm19	28677501	28678440	Gmdrm	hypo	CHH	-0.0377
Gm19	28691776	28692289	Gmdrm	hypo	CHH	-0.0433
Gm19	28741787	28742782	Gmdrm	hypo	CHH	-0.0157
Gm19	28780774	28781774	Gmdrm	hypo	CHH	-0.0588
Gm19	28839180	28840180	Gmdrm	hypo	CHH	-0.0408
Gm19	28865183	28866173	Gmdrm	hypo	CHH	-0.0115
Gm19	28892450	28893450	Gmdrm	hypo	CHH	-0.0395
Gm19	28919506	28920488	Gmdrm	hypo	CHH	-0.0458
Gm19	28921549	28922530	Gmdrm	hypo	CHH	-0.0188
Gm19	28923573	28924148	Gmdrm	hypo	CHH	-0.0479
Gm19	28925052	28926046	Gmdrm	hypo	CHH	-0.1742
Gm19	28929137	28930100	Gmdrm	hypo	CHH	-0.0336
Gm19	28944001	28944993	Gmdrm	hypo	CHH	-0.0291
Gm19	28945002	28945994	Gmdrm	hypo	CHH	-0.0268
Gm19	28946014	28947014	Gmdrm	hypo	CHH	-0.0495

Gm19	29017315	29018312	Gmdrm	hypo	CHH	-0.0801
Gm19	29018316	29019194	Gmdrm	hypo	CHH	-0.0492
Gm19	29088108	29089108	Gmdrm	hypo	CHH	-0.0623
Gm19	29240539	29241526	Gmdrm	hypo	CHH	-0.1002
Gm19	29241545	29242538	Gmdrm	hypo	CHH	-0.0223
Gm19	29253454	29253812	Gmdrm	hypo	CHH	-0.1006
Gm19	29292486	29293472	Gmdrm	hypo	CHH	-0.0409
Gm19	29293499	29294473	Gmdrm	hypo	CHH	-0.0566
Gm19	29420436	29421417	Gmdrm	hypo	CHH	-0.0641
Gm19	29437414	29438414	Gmdrm	hypo	CHH	-0.0323
Gm19	29447580	29448579	Gmdrm	hypo	CHH	-0.0181
Gm19	29452289	29453283	Gmdrm	hypo	CHH	-0.0438
Gm19	29458871	29459818	Gmdrm	hypo	CHH	-0.0533
Gm19	29483894	29484835	Gmdrm	hypo	CHH	-0.0534
Gm19	29490928	29491916	Gmdrm	hypo	CHH	-0.0955
Gm19	29491930	29492891	Gmdrm	hypo	CHH	-0.244
Gm19	29495033	29496033	Gmdrm	hypo	CHH	-0.0181
Gm19	29496040	29497040	Gmdrm	hypo	CHH	-0.025
Gm19	29499370	29500215	Gmdrm	hypo	CHH	-0.0848
Gm19	29500331	29500495	Gmdrm	hypo	CHH	-0.16
Gm19	29501612	29502611	Gmdrm	hypo	CHH	-0.092
Gm19	29514676	29515669	Gmdrm	hypo	CHH	-0.0413
Gm19	29544993	29545187	Gmdrm	hypo	CHH	-0.088
Gm19	29545315	29546135	Gmdrm	hypo	CHH	-0.0308
Gm19	29557876	29558874	Gmdrm	hypo	CHH	-0.1737
Gm19	29558877	29559868	Gmdrm	hypo	CHH	-0.1457
Gm19	29594940	29595926	Gmdrm	hypo	CHH	-0.0258
Gm19	29595952	29596937	Gmdrm	hypo	CHH	-0.0202
Gm19	29621610	29622608	Gmdrm	hypo	CHH	-0.0232
Gm19	29622614	29623231	Gmdrm	hypo	CHH	-0.079
Gm19	29623566	29624560	Gmdrm	hypo	CHH	-0.0328
Gm19	29624593	29625590	Gmdrm	hypo	CHH	-0.0224
Gm19	29625599	29626574	Gmdrm	hypo	CHH	-0.0247
Gm19	29627123	29627481	Gmdrm	hypo	CHH	-0.065
Gm19	29754629	29755607	Gmdrm	hypo	CHH	-0.0618
Gm19	29755667	29756659	Gmdrm	hypo	CHH	-0.0572
Gm19	29836028	29837027	Gmdrm	hypo	CHH	-0.1722
Gm19	29837030	29838018	Gmdrm	hypo	CHH	-0.0757
Gm19	29844998	29845988	Gmdrm	hypo	CHH	-0.0765
Gm19	29849011	29850007	Gmdrm	hypo	CHH	-0.0832
Gm19	29852017	29852986	Gmdrm	hypo	CHH	-0.0252
Gm19	29854292	29855184	Gmdrm	hypo	CHH	-0.0183
Gm19	29855307	29856294	Gmdrm	hypo	CHH	-0.1585
Gm19	29856342	29857119	Gmdrm	hypo	CHH	-0.0453
Gm19	29857257	29858253	Gmdrm	hypo	CHH	-0.0502
Gm19	29864211	29864400	Gmdrm	hypo	CHH	-0.0438

Gm19	29930761	29930853	Gmdrm	hypo	CHH	-0.217
Gm19	29977943	29978932	Gmdrm	hypo	CHH	-0.0293
Gm19	30100793	30101768	Gmdrm	hypo	CHH	-0.0604
Gm19	30191177	30191683	Gmdrm	hypo	CHH	-0.0914
Gm19	30243172	30244164	Gmdrm	hypo	CHH	-0.0814
Gm19	30291709	30292702	Gmdrm	hypo	CHH	-0.1442
Gm19	30292711	30293703	Gmdrm	hypo	CHH	-0.0817
Gm19	30293716	30294715	Gmdrm	hypo	CHH	-0.0494
Gm19	30294722	30295579	Gmdrm	hypo	CHH	-0.0298
Gm19	30314380	30315370	Gmdrm	hypo	CHH	-0.0417
Gm19	30315394	30316351	Gmdrm	hypo	CHH	-0.0294
Gm19	30316403	30317393	Gmdrm	hypo	CHH	-0.0105
Gm19	30321609	30322601	Gmdrm	hypo	CHH	-0.0198
Gm19	30327601	30328597	Gmdrm	hypo	CHH	-0.0218
Gm19	30328605	30329605	Gmdrm	hypo	CHH	-0.0562
Gm19	30329609	30330606	Gmdrm	hypo	CHH	-0.0253
Gm19	30332150	30333142	Gmdrm	hypo	CHH	-0.0571
Gm19	30333151	30334151	Gmdrm	hypo	CHH	-0.1732
Gm19	30386659	30387653	Gmdrm	hypo	CHH	-0.039
Gm19	30388689	30389689	Gmdrm	hypo	CHH	-0.0257
Gm19	30392717	30393278	Gmdrm	hypo	CHH	-0.0954
Gm19	30393401	30394393	Gmdrm	hypo	CHH	-0.0503
Gm19	30407884	30408877	Gmdrm	hypo	CHH	-0.0209
Gm19	30408885	30409884	Gmdrm	hypo	CHH	-0.0393
Gm19	30409886	30410883	Gmdrm	hypo	CHH	-0.0554
Gm19	30428225	30429218	Gmdrm	hypo	CHH	-0.0155
Gm19	30429380	30429738	Gmdrm	hypo	CHH	-0.0278
Gm19	30439696	30440696	Gmdrm	hypo	CHH	-0.0544
Gm19	30475782	30476766	Gmdrm	hypo	CHH	-0.0245
Gm19	30478498	30479496	Gmdrm	hypo	CHH	-0.0543
Gm19	30521775	30522765	Gmdrm	hypo	CHH	-0.1423
Gm19	30523641	30524638	Gmdrm	hypo	CHH	-0.033
Gm19	30528261	30529261	Gmdrm	hypo	CHH	-0.0579
Gm19	30561291	30562279	Gmdrm	hypo	CHH	-0.1598
Gm19	30562298	30563297	Gmdrm	hypo	CHH	-0.0583
Gm19	30565348	30566347	Gmdrm	hypo	CHH	-0.0233
Gm19	30566350	30566851	Gmdrm	hypo	CHH	-0.138
Gm19	30567484	30567499	Gmdrm	hypo	CHH	-0.85
Gm19	30568641	30569615	Gmdrm	hypo	CHH	-0.0192
Gm19	30594429	30595424	Gmdrm	hypo	CHH	-0.0457
Gm19	30596457	30597452	Gmdrm	hypo	CHH	-0.0182
Gm19	30597458	30598439	Gmdrm	hypo	CHH	-0.0133
Gm19	30598460	30599457	Gmdrm	hypo	CHH	-0.246
Gm19	30600484	30601470	Gmdrm	hypo	CHH	-0.0175
Gm19	30601520	30602514	Gmdrm	hypo	CHH	-0.0289
Gm19	30616053	30617050	Gmdrm	hypo	CHH	-0.06

Gm19	30617056	30618044	Gmdrm	hypo	CHH	-0.0662
Gm19	30622468	30623465	Gmdrm	hypo	CHH	-0.0228
Gm19	30637532	30638525	Gmdrm	hypo	CHH	-0.2082
Gm19	30638563	30639558	Gmdrm	hypo	CHH	-0.179
Gm19	30639608	30639916	Gmdrm	hypo	CHH	-0.1119
Gm19	30640431	30640893	Gmdrm	hypo	CHH	-0.1386
Gm19	30641040	30642023	Gmdrm	hypo	CHH	-0.0947
Gm19	30642045	30643042	Gmdrm	hypo	CHH	-0.0367
Gm19	30643058	30644051	Gmdrm	hypo	CHH	-0.076
Gm19	30650558	30650838	Gmdrm	hypo	CHH	-0.0767
Gm19	30651144	30651588	Gmdrm	hypo	CHH	-0.0237
Gm19	30656521	30657502	Gmdrm	hypo	CHH	-0.0325
Gm19	30718799	30719786	Gmdrm	hypo	CHH	-0.039
Gm19	30719809	30720777	Gmdrm	hypo	CHH	-0.046
Gm19	30720814	30721811	Gmdrm	hypo	CHH	-0.0351
Gm19	30721817	30722233	Gmdrm	hypo	CHH	-0.1006
Gm19	30722352	30723306	Gmdrm	hypo	CHH	-0.0989
Gm19	30723684	30724680	Gmdrm	hypo	CHH	-0.0338
Gm19	30736526	30737207	Gmdrm	hypo	CHH	-0.0668
Gm19	30746495	30747491	Gmdrm	hypo	CHH	-0.0919
Gm19	30747506	30748492	Gmdrm	hypo	CHH	-0.0721
Gm19	30753796	30754734	Gmdrm	hypo	CHH	-0.0391
Gm19	30766605	30767596	Gmdrm	hypo	CHH	-0.0189
Gm19	30772649	30773638	Gmdrm	hypo	CHH	-0.0604
Gm19	30779808	30780804	Gmdrm	hypo	CHH	-0.1209
Gm19	30781074	30781146	Gmdrm	hypo	CHH	-0.0717
Gm19	30781276	30782276	Gmdrm	hypo	CHH	-0.0671
Gm19	30782278	30783273	Gmdrm	hypo	CHH	-0.0627
Gm19	30825247	30826243	Gmdrm	hypo	CHH	-0.0523
Gm19	30827280	30828275	Gmdrm	hypo	CHH	-0.1676
Gm19	30828282	30829271	Gmdrm	hypo	CHH	-0.1041
Gm19	30835025	30836021	Gmdrm	hypo	CHH	-0.0563
Gm19	30836026	30837025	Gmdrm	hypo	CHH	-0.0671
Gm19	30841822	30842803	Gmdrm	hypo	CHH	-0.1002
Gm19	30842834	30843821	Gmdrm	hypo	CHH	-0.0666
Gm19	30862828	30863825	Gmdrm	hypo	CHH	-0.0591
Gm19	30889942	30890926	Gmdrm	hypo	CHH	-0.0167
Gm19	30901750	30902727	Gmdrm	hypo	CHH	-0.1978
Gm19	30904888	30905829	Gmdrm	hypo	CHH	-0.0911
Gm19	30905910	30906901	Gmdrm	hypo	CHH	-0.0302
Gm19	30911097	30912084	Gmdrm	hypo	CHH	-0.0369
Gm19	30932725	30933715	Gmdrm	hypo	CHH	-0.1802
Gm19	30944972	30945867	Gmdrm	hypo	CHH	-0.0155
Gm19	30946644	30947636	Gmdrm	hypo	CHH	-0.0268
Gm19	30962383	30963363	Gmdrm	hypo	CHH	-0.0926
Gm19	30967867	30968865	Gmdrm	hypo	CHH	-0.026

Gm19	30985248	30986228	Gmdrm	hypo	CHH	-0.0391
Gm19	31068031	31069022	Gmdrm	hypo	CHH	-0.0524
Gm19	31071054	31072040	Gmdrm	hypo	CHH	-0.0216
Gm19	31075931	31076586	Gmdrm	hypo	CHH	-0.0702
Gm19	31106172	31107168	Gmdrm	hypo	CHH	-0.0638
Gm19	31107173	31107949	Gmdrm	hypo	CHH	-0.0241
Gm19	31146290	31147289	Gmdrm	hypo	CHH	-0.0459
Gm19	31168105	31169046	Gmdrm	hypo	CHH	-0.0379
Gm19	31172800	31173790	Gmdrm	hypo	CHH	-0.0396
Gm19	31274151	31275139	Gmdrm	hypo	CHH	-0.0273
Gm19	31279455	31280454	Gmdrm	hypo	CHH	-0.0758
Gm19	31292179	31293165	Gmdrm	hypo	CHH	-0.0139
Gm19	31315768	31316766	Gmdrm	hypo	CHH	-0.0259
Gm19	31331910	31332865	Gmdrm	hypo	CHH	-0.0162
Gm19	31354761	31355099	Gmdrm	hypo	CHH	-0.0462
Gm19	31359327	31360317	Gmdrm	hypo	CHH	-0.1904
Gm19	31431134	31431336	Gmdrm	hypo	CHH	-0.1147
Gm19	31548562	31549539	Gmdrm	hypo	CHH	-0.0249
Gm19	31562078	31563031	Gmdrm	hypo	CHH	-0.0596
Gm19	31578503	31579494	Gmdrm	hypo	CHH	-0.0566
Gm19	31586826	31587812	Gmdrm	hypo	CHH	-0.0298
Gm19	31587858	31588829	Gmdrm	hypo	CHH	-0.0517
Gm19	31590891	31591890	Gmdrm	hypo	CHH	-0.06
Gm19	31591899	31592897	Gmdrm	hypo	CHH	-0.0791
Gm19	31600417	31601407	Gmdrm	hypo	CHH	-0.0167
Gm19	31637958	31638537	Gmdrm	hypo	CHH	-0.0884
Gm19	31659906	31660896	Gmdrm	hypo	CHH	-0.0263
Gm19	31710001	31710999	Gmdrm	hypo	CHH	-0.1172
Gm19	31711003	31711841	Gmdrm	hypo	CHH	-0.0904
Gm19	31722626	31723569	Gmdrm	hypo	CHH	-0.0792
Gm19	31723658	31724642	Gmdrm	hypo	CHH	-0.0729
Gm19	31724665	31725663	Gmdrm	hypo	CHH	-0.1673
Gm19	31728032	31729030	Gmdrm	hypo	CHH	-0.0533
Gm19	31734664	31735513	Gmdrm	hypo	CHH	-0.0944
Gm19	31737779	31738779	Gmdrm	hypo	CHH	-0.0223
Gm19	31739792	31740788	Gmdrm	hypo	CHH	-0.0192
Gm19	31741801	31742795	Gmdrm	hypo	CHH	-0.055
Gm19	31742803	31743796	Gmdrm	hypo	CHH	-0.0731
Gm19	31744827	31745823	Gmdrm	hypo	CHH	-0.0403
Gm19	31745828	31746187	Gmdrm	hypo	CHH	-0.0563
Gm19	31751393	31752371	Gmdrm	hypo	CHH	-0.0167
Gm19	31753421	31754414	Gmdrm	hypo	CHH	-0.0321
Gm19	31754439	31755418	Gmdrm	hypo	CHH	-0.0288
Gm19	31755461	31756215	Gmdrm	hypo	CHH	-0.0958
Gm19	31762108	31763108	Gmdrm	hypo	CHH	-0.0947
Gm19	31768041	31768980	Gmdrm	hypo	CHH	-0.0165

Gm19	31769731	31770728	Gmdrm	hypo	CHH	-0.0616
Gm19	31770733	31771710	Gmdrm	hypo	CHH	-0.0541
Gm19	31780382	31781381	Gmdrm	hypo	CHH	-0.0464
Gm19	31794982	31795918	Gmdrm	hypo	CHH	-0.0781
Gm19	31798912	31799051	Gmdrm	hypo	CHH	-0.0925
Gm19	31821341	31822341	Gmdrm	hypo	CHH	-0.0591
Gm19	31822346	31823318	Gmdrm	hypo	CHH	-0.0311
Gm19	31823461	31824440	Gmdrm	hypo	CHH	-0.0556
Gm19	31836633	31837629	Gmdrm	hypo	CHH	-0.0387
Gm19	31843708	31844652	Gmdrm	hypo	CHH	-0.06
Gm19	31886756	31887754	Gmdrm	hypo	CHH	-0.0264
Gm19	31887761	31888512	Gmdrm	hypo	CHH	-0.025
Gm19	31891705	31892705	Gmdrm	hypo	CHH	-0.0341
Gm19	31892711	31893414	Gmdrm	hypo	CHH	-0.0505
Gm19	31893903	31894901	Gmdrm	hypo	CHH	-0.0176
Gm19	31923528	31924509	Gmdrm	hypo	CHH	-0.0355
Gm19	31928085	31929034	Gmdrm	hypo	CHH	-0.015
Gm19	31933176	31934174	Gmdrm	hypo	CHH	-0.1311
Gm19	31936183	31936599	Gmdrm	hypo	CHH	-0.0872
Gm19	32090353	32091337	Gmdrm	hypo	CHH	-0.012
Gm19	32092365	32093345	Gmdrm	hypo	CHH	-0.0133
Gm19	32099430	32100429	Gmdrm	hypo	CHH	-0.0297
Gm19	32100433	32101428	Gmdrm	hypo	CHH	-0.0189
Gm19	32101458	32102452	Gmdrm	hypo	CHH	-0.0595
Gm19	32115365	32116357	Gmdrm	hypo	CHH	-0.0979
Gm19	32136602	32137576	Gmdrm	hypo	CHH	-0.0395
Gm19	32141479	32142024	Gmdrm	hypo	CHH	-0.0366
Gm19	32148258	32149183	Gmdrm	hypo	CHH	-0.02
Gm19	32150762	32151246	Gmdrm	hypo	CHH	-0.0695
Gm19	32154602	32155598	Gmdrm	hypo	CHH	-0.0839
Gm19	32157625	32158555	Gmdrm	hypo	CHH	-0.058
Gm19	32170739	32171670	Gmdrm	hypo	CHH	-0.0189
Gm19	32221505	32222497	Gmdrm	hypo	CHH	-0.1645
Gm19	32222512	32223406	Gmdrm	hypo	CHH	-0.1682
Gm19	32223508	32224507	Gmdrm	hypo	CHH	-0.0221
Gm19	32333035	32334032	Gmdrm	hypo	CHH	-0.048
Gm19	32418415	32419413	Gmdrm	hypo	CHH	-0.0477
Gm19	32419422	32419756	Gmdrm	hypo	CHH	-0.04
Gm19	32431725	32432530	Gmdrm	hypo	CHH	-0.0947
Gm19	32433889	32434885	Gmdrm	hypo	CHH	-0.0141
Gm19	32483956	32484945	Gmdrm	hypo	CHH	-0.0393
Gm19	32484971	32485942	Gmdrm	hypo	CHH	-0.0162
Gm19	32499531	32500528	Gmdrm	hypo	CHH	-0.0367
Gm19	32500536	32501531	Gmdrm	hypo	CHH	-0.0733
Gm19	32505092	32506067	Gmdrm	hypo	CHH	-0.0697
Gm19	32515794	32516790	Gmdrm	hypo	CHH	-0.0683

Gm19	32520849	32521849	Gmdrm	hypo	CHH	-0.0259
Gm19	32594332	32595088	Gmdrm	hypo	CHH	-0.0823
Gm19	32627544	32628530	Gmdrm	hypo	CHH	-0.0281
Gm19	32663261	32663702	Gmdrm	hypo	CHH	-0.0424
Gm19	32734151	32735149	Gmdrm	hypo	CHH	-0.0183
Gm19	32739179	32740141	Gmdrm	hypo	CHH	-0.1506
Gm19	32743230	32744227	Gmdrm	hypo	CHH	-0.0477
Gm19	32787838	32788821	Gmdrm	hypo	CHH	-0.0839
Gm19	32788861	32789859	Gmdrm	hypo	CHH	-0.0263
Gm19	32790892	32791890	Gmdrm	hypo	CHH	-0.06
Gm19	32792907	32793615	Gmdrm	hypo	CHH	-0.0148
Gm19	32822243	32822599	Gmdrm	hypo	CHH	-0.0367
Gm19	32824299	32825298	Gmdrm	hypo	CHH	-0.02
Gm19	32846028	32846997	Gmdrm	hypo	CHH	-0.2449
Gm19	32854105	32855098	Gmdrm	hypo	CHH	-0.0243
Gm19	32855108	32856108	Gmdrm	hypo	CHH	-0.0453
Gm19	32876012	32876990	Gmdrm	hypo	CHH	-0.0306
Gm19	32879732	32880724	Gmdrm	hypo	CHH	-0.0103
Gm19	32894985	32895474	Gmdrm	hypo	CHH	-0.0642
Gm19	32907480	32908475	Gmdrm	hypo	CHH	-0.0596
Gm19	32914926	32915840	Gmdrm	hypo	CHH	-0.0307
Gm19	32921986	32922570	Gmdrm	hypo	CHH	-0.0471
Gm19	32950114	32951111	Gmdrm	hypo	CHH	-0.056
Gm19	32966892	32967880	Gmdrm	hypo	CHH	-0.0729
Gm19	32968694	32969685	Gmdrm	hypo	CHH	-0.0108
Gm19	32970725	32971697	Gmdrm	hypo	CHH	-0.041
Gm19	32975240	32976229	Gmdrm	hypo	CHH	-0.0371
Gm19	33094345	33094575	Gmdrm	hypo	CHH	-0.1138
Gm19	33095966	33096941	Gmdrm	hypo	CHH	-0.0651
Gm19	33104745	33105745	Gmdrm	hypo	CHH	-0.1089
Gm19	33108906	33109025	Gmdrm	hypo	CHH	-0.05
Gm19	33112325	33113268	Gmdrm	hypo	CHH	-0.0638
Gm19	33166609	33167480	Gmdrm	hypo	CHH	-0.0675
Gm19	33231269	33232263	Gmdrm	hypo	CHH	-0.0433
Gm19	33234718	33235661	Gmdrm	hypo	CHH	-0.1202
Gm19	33235740	33236696	Gmdrm	hypo	CHH	-0.1698
Gm19	33238810	33239807	Gmdrm	hypo	CHH	-0.0473
Gm19	33239811	33240757	Gmdrm	hypo	CHH	-0.0571
Gm19	33248827	33249699	Gmdrm	hypo	CHH	-0.0142
Gm19	33273094	33274084	Gmdrm	hypo	CHH	-0.0222
Gm19	33274695	33275220	Gmdrm	hypo	CHH	-0.0203
Gm19	33276327	33276884	Gmdrm	hypo	CHH	-0.0546
Gm19	33281702	33282698	Gmdrm	hypo	CHH	-0.0681
Gm19	33290963	33291950	Gmdrm	hypo	CHH	-0.0157
Gm19	33291974	33292934	Gmdrm	hypo	CHH	-0.0423
Gm19	33377210	33378202	Gmdrm	hypo	CHH	-0.0196

Gm19	33378215	33379190	Gmdrm	hypo	CHH	-0.0611
Gm19	33379216	33379315	Gmdrm	hypo	CHH	-0.115
Gm19	33379713	33379908	Gmdrm	hypo	CHH	-0.1029
Gm19	33395642	33396435	Gmdrm	hypo	CHH	-0.0259
Gm19	33396786	33397780	Gmdrm	hypo	CHH	-0.0235
Gm19	33408412	33409409	Gmdrm	hypo	CHH	-0.0234
Gm19	33463814	33464809	Gmdrm	hypo	CHH	-0.0535
Gm19	33470380	33471372	Gmdrm	hypo	CHH	-0.0444
Gm19	33471402	33472401	Gmdrm	hypo	CHH	-0.05
Gm19	33475410	33476405	Gmdrm	hypo	CHH	-0.0345
Gm19	33476431	33477428	Gmdrm	hypo	CHH	-0.0173
Gm19	33478438	33479414	Gmdrm	hypo	CHH	-0.0559
Gm19	33482625	33483621	Gmdrm	hypo	CHH	-0.0342
Gm19	33487034	33488007	Gmdrm	hypo	CHH	-0.1213
Gm19	33499177	33500152	Gmdrm	hypo	CHH	-0.0357
Gm19	33500692	33501679	Gmdrm	hypo	CHH	-0.0266
Gm19	33501697	33502695	Gmdrm	hypo	CHH	-0.0549
Gm19	33502706	33503689	Gmdrm	hypo	CHH	-0.0217
Gm19	33514671	33514863	Gmdrm	hypo	CHH	-0.0433
Gm19	33524870	33525868	Gmdrm	hypo	CHH	-0.0332
Gm19	33583398	33584384	Gmdrm	hypo	CHH	-0.0317
Gm19	33659974	33660898	Gmdrm	hypo	CHH	-0.0195
Gm19	33670358	33671345	Gmdrm	hypo	CHH	-0.0292
Gm19	33684106	33685105	Gmdrm	hypo	CHH	-0.1029
Gm19	33699913	33700912	Gmdrm	hypo	CHH	-0.0662
Gm19	33731934	33732927	Gmdrm	hypo	CHH	-0.0405
Gm19	33755687	33756685	Gmdrm	hypo	CHH	-0.029
Gm19	33782152	33783146	Gmdrm	hypo	CHH	-0.014
Gm19	33812149	33813126	Gmdrm	hypo	CHH	-0.0327
Gm19	33839362	33839624	Gmdrm	hypo	CHH	-0.0588
Gm19	33920938	33921936	Gmdrm	hypo	CHH	-0.0917
Gm19	33921941	33922941	Gmdrm	hypo	CHH	-0.0374
Gm19	34006155	34007154	Gmdrm	hypo	CHH	-0.0731
Gm19	34008168	34008915	Gmdrm	hypo	CHH	-0.1132
Gm19	34009254	34010105	Gmdrm	hypo	CHH	-0.0853
Gm19	34015988	34016984	Gmdrm	hypo	CHH	-0.0202
Gm19	34030790	34031790	Gmdrm	hypo	CHH	-0.0389
Gm19	34032461	34033451	Gmdrm	hypo	CHH	-0.0944
Gm19	34033462	34034455	Gmdrm	hypo	CHH	-0.0787
Gm19	34045725	34046719	Gmdrm	hypo	CHH	-0.0391
Gm19	34073905	34074882	Gmdrm	hypo	CHH	-0.0454
Gm19	34079020	34079992	Gmdrm	hypo	CHH	-0.1061
Gm19	34088051	34089047	Gmdrm	hypo	CHH	-0.0267
Gm19	34090671	34091649	Gmdrm	hypo	CHH	-0.0595
Gm19	34092682	34093682	Gmdrm	hypo	CHH	-0.0286
Gm19	34093684	34094676	Gmdrm	hypo	CHH	-0.0183

Gm19	34094689	34095687	Gmdrm	hypo	CHH	-0.0443
Gm19	34095700	34096698	Gmdrm	hypo	CHH	-0.0315
Gm19	34096733	34097439	Gmdrm	hypo	CHH	-0.0394
Gm19	34097549	34098536	Gmdrm	hypo	CHH	-0.0258
Gm19	34098550	34099546	Gmdrm	hypo	CHH	-0.0701
Gm19	34100019	34100979	Gmdrm	hypo	CHH	-0.0739
Gm19	34124946	34125946	Gmdrm	hypo	CHH	-0.0803
Gm19	34176681	34177680	Gmdrm	hypo	CHH	-0.0156
Gm19	34177695	34178695	Gmdrm	hypo	CHH	-0.021
Gm19	34182745	34183745	Gmdrm	hypo	CHH	-0.0558
Gm19	34190579	34191547	Gmdrm	hypo	CHH	-0.0641
Gm19	34195559	34196533	Gmdrm	hypo	CHH	-0.0173
Gm19	34197596	34198585	Gmdrm	hypo	CHH	-0.079
Gm19	34198609	34199076	Gmdrm	hypo	CHH	-0.1965
Gm19	34204250	34205238	Gmdrm	hypo	CHH	-0.0193
Gm19	34206271	34207265	Gmdrm	hypo	CHH	-0.0315
Gm19	34242285	34243269	Gmdrm	hypo	CHH	-0.0171
Gm19	34243292	34244285	Gmdrm	hypo	CHH	-0.0131
Gm19	34246293	34247293	Gmdrm	hypo	CHH	-0.0527
Gm19	34257073	34258065	Gmdrm	hypo	CHH	-0.0299
Gm19	34267099	34268091	Gmdrm	hypo	CHH	-0.0221
Gm19	34286262	34286840	Gmdrm	hypo	CHH	-0.4503
Gm19	34294573	34295043	Gmdrm	hypo	CHH	-0.0232
Gm19	34295166	34296166	Gmdrm	hypo	CHH	-0.0385
Gm19	34308710	34309708	Gmdrm	hypo	CHH	-0.0559
Gm19	34309722	34310716	Gmdrm	hypo	CHH	-0.0286
Gm19	34310723	34311721	Gmdrm	hypo	CHH	-0.032
Gm19	34313987	34314963	Gmdrm	hypo	CHH	-0.0181
Gm19	34392755	34393417	Gmdrm	hypo	CHH	-0.238
Gm19	34399035	34399695	Gmdrm	hypo	CHH	-0.0511
Gm19	34400266	34401259	Gmdrm	hypo	CHH	-0.1588
Gm19	34401273	34401534	Gmdrm	hypo	CHH	-0.1458
Gm19	34413782	34414763	Gmdrm	hypo	CHH	-0.0842
Gm19	34416166	34417158	Gmdrm	hypo	CHH	-0.0411
Gm19	34418229	34418641	Gmdrm	hypo	CHH	-0.0246
Gm19	34422580	34423579	Gmdrm	hypo	CHH	-0.0258
Gm19	34423600	34424598	Gmdrm	hypo	CHH	-0.0268
Gm19	34442606	34443583	Gmdrm	hypo	CHH	-0.0699
Gm19	34445463	34446460	Gmdrm	hypo	CHH	-0.0468
Gm19	34446465	34447465	Gmdrm	hypo	CHH	-0.0136
Gm19	34485994	34486248	Gmdrm	hypo	CHH	-0.0548
Gm19	34486514	34487504	Gmdrm	hypo	CHH	-0.0843
Gm19	34487520	34488501	Gmdrm	hypo	CHH	-0.0248
Gm19	34495055	34496038	Gmdrm	hypo	CHH	-0.0111
Gm19	34502934	34503923	Gmdrm	hypo	CHH	-0.0619
Gm19	34512009	34512988	Gmdrm	hypo	CHH	-0.0715

Gm19	34519167	34519594	Gmdrm	hypo	CHH	-0.0388
Gm19	34527176	34528148	Gmdrm	hypo	CHH	-0.08
Gm19	34529780	34530760	Gmdrm	hypo	CHH	-0.0434
Gm19	34530785	34531759	Gmdrm	hypo	CHH	-0.0368
Gm19	34536508	34536812	Gmdrm	hypo	CHH	-0.0776
Gm19	34546135	34547135	Gmdrm	hypo	CHH	-0.1349
Gm19	34574166	34575166	Gmdrm	hypo	CHH	-0.0526
Gm19	34637941	34638919	Gmdrm	hypo	CHH	-0.0152
Gm19	34640514	34640742	Gmdrm	hypo	CHH	-0.08
Gm19	34641920	34642884	Gmdrm	hypo	CHH	-0.0436
Gm19	34644448	34645446	Gmdrm	hypo	CHH	-0.0647
Gm19	34646454	34647441	Gmdrm	hypo	CHH	-0.0267
Gm19	34649073	34650051	Gmdrm	hypo	CHH	-0.0748
Gm19	34670584	34671584	Gmdrm	hypo	CHH	-0.0866
Gm19	34671591	34672548	Gmdrm	hypo	CHH	-0.0539
Gm19	34673958	34674955	Gmdrm	hypo	CHH	-0.0153
Gm19	34674962	34675950	Gmdrm	hypo	CHH	-0.0206
Gm19	34682041	34682991	Gmdrm	hypo	CHH	-0.0718
Gm19	34683058	34683463	Gmdrm	hypo	CHH	-0.0274
Gm19	34683571	34684571	Gmdrm	hypo	CHH	-0.2534
Gm19	34690079	34691039	Gmdrm	hypo	CHH	-0.0363
Gm19	34692277	34692355	Gmdrm	hypo	CHH	-0.078
Gm19	34692476	34693467	Gmdrm	hypo	CHH	-0.0236
Gm19	34700538	34700735	Gmdrm	hypo	CHH	-0.0341
Gm19	34710310	34711274	Gmdrm	hypo	CHH	-0.0236
Gm19	34714052	34715028	Gmdrm	hypo	CHH	-0.0179
Gm19	34715075	34715692	Gmdrm	hypo	CHH	-0.0825
Gm19	34715806	34716793	Gmdrm	hypo	CHH	-0.03
Gm19	34717838	34718837	Gmdrm	hypo	CHH	-0.0388
Gm19	34787973	34788956	Gmdrm	hypo	CHH	-0.0141
Gm19	34792865	34793859	Gmdrm	hypo	CHH	-0.0176
Gm19	34793870	34794869	Gmdrm	hypo	CHH	-0.0292
Gm19	34847093	34847707	Gmdrm	hypo	CHH	-0.018
Gm19	34871738	34872059	Gmdrm	hypo	CHH	-0.0242
Gm19	34894400	34894450	Gmdrm	hypo	CHH	-0.0386
Gm19	34903952	34904952	Gmdrm	hypo	CHH	-0.0319
Gm19	34904957	34905953	Gmdrm	hypo	CHH	-0.0496
Gm19	34907118	34908102	Gmdrm	hypo	CHH	-0.0441
Gm19	34909174	34910162	Gmdrm	hypo	CHH	-0.0133
Gm19	34912148	34913136	Gmdrm	hypo	CHH	-0.0467
Gm19	34918951	34919951	Gmdrm	hypo	CHH	-0.0302
Gm19	34921175	34922170	Gmdrm	hypo	CHH	-0.2112
Gm19	34922219	34923215	Gmdrm	hypo	CHH	-0.0103
Gm19	34924615	34925600	Gmdrm	hypo	CHH	-0.0384
Gm19	34932658	34933658	Gmdrm	hypo	CHH	-0.0401
Gm19	34933676	34933899	Gmdrm	hypo	CHH	-0.0561

Gm19	34938977	34939975	Gmdrm	hypo	CHH	-0.0902
Gm19	34962114	34963114	Gmdrm	hypo	CHH	-0.1123
Gm19	34973273	34974240	Gmdrm	hypo	CHH	-0.0345
Gm19	34975582	34976566	Gmdrm	hypo	CHH	-0.0128
Gm19	34976597	34977587	Gmdrm	hypo	CHH	-0.0991
Gm19	34977609	34978609	Gmdrm	hypo	CHH	-0.0612
Gm19	34990629	34991624	Gmdrm	hypo	CHH	-0.0231
Gm19	34995123	34995415	Gmdrm	hypo	CHH	-0.0802
Gm19	34996598	34997558	Gmdrm	hypo	CHH	-0.0469
Gm19	35000586	35001293	Gmdrm	hypo	CHH	-0.0458
Gm19	35004571	35005554	Gmdrm	hypo	CHH	-0.0289
Gm19	35006907	35007885	Gmdrm	hypo	CHH	-0.071
Gm19	35008951	35009949	Gmdrm	hypo	CHH	-0.0336
Gm19	35014010	35014994	Gmdrm	hypo	CHH	-0.0255
Gm19	35015063	35016041	Gmdrm	hypo	CHH	-0.1502
Gm19	35017139	35018137	Gmdrm	hypo	CHH	-0.0148
Gm19	35018141	35019086	Gmdrm	hypo	CHH	-0.0147
Gm19	35026959	35027936	Gmdrm	hypo	CHH	-0.0322
Gm19	35027967	35028855	Gmdrm	hypo	CHH	-0.0503
Gm19	35030001	35031001	Gmdrm	hypo	CHH	-0.2225
Gm19	35031007	35031992	Gmdrm	hypo	CHH	-0.0234
Gm19	35055737	35055940	Gmdrm	hypo	CHH	-0.03
Gm19	35067450	35068430	Gmdrm	hypo	CHH	-0.0239
Gm19	35074480	35075476	Gmdrm	hypo	CHH	-0.0509
Gm19	35088399	35089362	Gmdrm	hypo	CHH	-0.0259
Gm19	35090911	35091905	Gmdrm	hypo	CHH	-0.0842
Gm19	35095926	35096884	Gmdrm	hypo	CHH	-0.0922
Gm19	35098500	35099222	Gmdrm	hypo	CHH	-0.0237
Gm19	35101377	35102376	Gmdrm	hypo	CHH	-0.0604
Gm19	35123956	35124910	Gmdrm	hypo	CHH	-0.0292
Gm19	35130950	35131949	Gmdrm	hypo	CHH	-0.0559
Gm19	35131951	35132852	Gmdrm	hypo	CHH	-0.2703
Gm19	35139738	35140736	Gmdrm	hypo	CHH	-0.1059
Gm19	35150780	35150998	Gmdrm	hypo	CHH	-0.0505
Gm19	35153118	35154117	Gmdrm	hypo	CHH	-0.0909
Gm19	35159054	35160052	Gmdrm	hypo	CHH	-0.0155
Gm19	35166119	35167118	Gmdrm	hypo	CHH	-0.0294
Gm19	35167129	35168129	Gmdrm	hypo	CHH	-0.0117
Gm19	35169164	35170158	Gmdrm	hypo	CHH	-0.0564
Gm19	35173177	35174118	Gmdrm	hypo	CHH	-0.0277
Gm19	35176965	35177953	Gmdrm	hypo	CHH	-0.1227
Gm19	35183438	35184434	Gmdrm	hypo	CHH	-0.0451
Gm19	35184445	35185413	Gmdrm	hypo	CHH	-0.0504
Gm19	35185448	35185967	Gmdrm	hypo	CHH	-0.0326
Gm19	35186661	35187659	Gmdrm	hypo	CHH	-0.0162
Gm19	35191807	35192776	Gmdrm	hypo	CHH	-0.0485

Gm19	35209885	35210760	Gmdrm	hypo	CHH	-0.2688
Gm19	35214482	35215482	Gmdrm	hypo	CHH	-0.0248
Gm19	35219336	35219422	Gmdrm	hypo	CHH	-0.0467
Gm19	35221093	35222090	Gmdrm	hypo	CHH	-0.1743
Gm19	35236205	35237170	Gmdrm	hypo	CHH	-0.0327
Gm19	35243730	35244728	Gmdrm	hypo	CHH	-0.0415
Gm19	35244731	35245707	Gmdrm	hypo	CHH	-0.074
Gm19	35245734	35246734	Gmdrm	hypo	CHH	-0.042
Gm19	35246742	35246935	Gmdrm	hypo	CHH	-0.1344
Gm19	35247092	35247944	Gmdrm	hypo	CHH	-0.0926
Gm19	35255224	35256222	Gmdrm	hypo	CHH	-0.058
Gm19	35261856	35262842	Gmdrm	hypo	CHH	-0.0661
Gm19	35262857	35263836	Gmdrm	hypo	CHH	-0.2374
Gm19	35270936	35271316	Gmdrm	hypo	CHH	-0.0455
Gm19	35271458	35272458	Gmdrm	hypo	CHH	-0.0171
Gm19	35300093	35301091	Gmdrm	hypo	CHH	-0.0123
Gm19	35305393	35306373	Gmdrm	hypo	CHH	-0.0178
Gm19	35321244	35322130	Gmdrm	hypo	CHH	-0.0255
Gm19	35351621	35352615	Gmdrm	hypo	CHH	-0.0267
Gm19	35369760	35370746	Gmdrm	hypo	CHH	-0.0605
Gm19	35379094	35380080	Gmdrm	hypo	CHH	-0.0234
Gm19	35394773	35395773	Gmdrm	hypo	CHH	-0.0152
Gm19	35395774	35396770	Gmdrm	hypo	CHH	-0.0372
Gm19	35403820	35404312	Gmdrm	hypo	CHH	-0.057
Gm19	35435425	35436422	Gmdrm	hypo	CHH	-0.0239
Gm19	35465881	35466860	Gmdrm	hypo	CHH	-0.1509
Gm19	35467321	35468315	Gmdrm	hypo	CHH	-0.1431
Gm19	35468351	35469349	Gmdrm	hypo	CHH	-0.0501
Gm19	35470214	35470839	Gmdrm	hypo	CHH	-0.0726
Gm19	35478693	35479691	Gmdrm	hypo	CHH	-0.15
Gm19	35479697	35480690	Gmdrm	hypo	CHH	-0.1037
Gm19	35494430	35495418	Gmdrm	hypo	CHH	-0.0716
Gm19	35495435	35495813	Gmdrm	hypo	CHH	-0.0946
Gm19	35495961	35496953	Gmdrm	hypo	CHH	-0.0688
Gm19	35497472	35498086	Gmdrm	hypo	CHH	-0.1618
Gm19	35498190	35499184	Gmdrm	hypo	CHH	-0.0578
Gm19	35499237	35500237	Gmdrm	hypo	CHH	-0.054
Gm19	35506515	35507490	Gmdrm	hypo	CHH	-0.0765
Gm19	35510559	35511547	Gmdrm	hypo	CHH	-0.0507
Gm19	35521213	35522192	Gmdrm	hypo	CHH	-0.0587
Gm19	35542794	35543787	Gmdrm	hypo	CHH	-0.0177
Gm19	35543798	35544795	Gmdrm	hypo	CHH	-0.024
Gm19	35545308	35546291	Gmdrm	hypo	CHH	-0.0245
Gm19	35546309	35547277	Gmdrm	hypo	CHH	-0.0383
Gm19	35547329	35548153	Gmdrm	hypo	CHH	-0.0412
Gm19	35566301	35567235	Gmdrm	hypo	CHH	-0.0166

Gm19	35583879	35584866	Gmdrm	hypo	CHH	-0.0689
Gm19	35626213	35627212	Gmdrm	hypo	CHH	-0.0518
Gm19	35675886	35676885	Gmdrm	hypo	CHH	-0.1144
Gm19	35705371	35706366	Gmdrm	hypo	CHH	-0.075
Gm19	35730799	35731799	Gmdrm	hypo	CHH	-0.0476
Gm19	35731809	35732795	Gmdrm	hypo	CHH	-0.0744
Gm19	35734118	35734975	Gmdrm	hypo	CHH	-0.2652
Gm19	35738952	35739951	Gmdrm	hypo	CHH	-0.0671
Gm19	35739953	35740950	Gmdrm	hypo	CHH	-0.0508
Gm19	35773019	35774016	Gmdrm	hypo	CHH	-0.0793
Gm19	35786021	35787019	Gmdrm	hypo	CHH	-0.0477
Gm19	35816176	35817172	Gmdrm	hypo	CHH	-0.0298
Gm19	35817184	35818170	Gmdrm	hypo	CHH	-0.0574
Gm19	35819116	35820113	Gmdrm	hypo	CHH	-0.0236
Gm19	35820122	35821072	Gmdrm	hypo	CHH	-0.0498
Gm19	35838787	35839767	Gmdrm	hypo	CHH	-0.055
Gm19	35847000	35847990	Gmdrm	hypo	CHH	-0.0302
Gm19	35851397	35852397	Gmdrm	hypo	CHH	-0.1072
Gm19	35852401	35853377	Gmdrm	hypo	CHH	-0.0599
Gm19	35867494	35868492	Gmdrm	hypo	CHH	-0.1922
Gm19	35868495	35869495	Gmdrm	hypo	CHH	-0.0877
Gm19	35879555	35880549	Gmdrm	hypo	CHH	-0.0267
Gm19	35880575	35881506	Gmdrm	hypo	CHH	-0.0249
Gm19	35912900	35913856	Gmdrm	hypo	CHH	-0.0433
Gm19	35917008	35918007	Gmdrm	hypo	CHH	-0.0163
Gm19	35940600	35941581	Gmdrm	hypo	CHH	-0.2282
Gm19	35946648	35947643	Gmdrm	hypo	CHH	-0.0631
Gm19	35961897	35962440	Gmdrm	hypo	CHH	-0.022
Gm19	35963572	35964567	Gmdrm	hypo	CHH	-0.0664
Gm19	35964587	35965575	Gmdrm	hypo	CHH	-0.0534
Gm19	36005316	36006315	Gmdrm	hypo	CHH	-0.0741
Gm19	36006318	36007307	Gmdrm	hypo	CHH	-0.0458
Gm19	36011661	36012605	Gmdrm	hypo	CHH	-0.0606
Gm19	36013689	36014680	Gmdrm	hypo	CHH	-0.0504
Gm19	36014693	36015691	Gmdrm	hypo	CHH	-0.031
Gm19	36035791	36036754	Gmdrm	hypo	CHH	-0.0559
Gm19	36036821	36037818	Gmdrm	hypo	CHH	-0.0566
Gm19	36041763	36042181	Gmdrm	hypo	CHH	-0.0303
Gm19	36049271	36049488	Gmdrm	hypo	CHH	-0.0989
Gm19	36051652	36052651	Gmdrm	hypo	CHH	-0.0409
Gm19	36053658	36054641	Gmdrm	hypo	CHH	-0.1008
Gm19	36055693	36056693	Gmdrm	hypo	CHH	-0.0143
Gm19	36071369	36072364	Gmdrm	hypo	CHH	-0.0374
Gm19	36072371	36073365	Gmdrm	hypo	CHH	-0.0237
Gm19	36098393	36099391	Gmdrm	hypo	CHH	-0.0848
Gm19	36109742	36110718	Gmdrm	hypo	CHH	-0.0275

Gm19	36111532	36112530	Gmdrm	hypo	CHH	-0.1231
Gm19	36116646	36117195	Gmdrm	hypo	CHH	-0.1154
Gm19	36118168	36119125	Gmdrm	hypo	CHH	-0.1507
Gm19	36121298	36121683	Gmdrm	hypo	CHH	-0.0232
Gm19	36125164	36126130	Gmdrm	hypo	CHH	-0.0607
Gm19	36143857	36144851	Gmdrm	hypo	CHH	-0.0634
Gm19	36144862	36145361	Gmdrm	hypo	CHH	-0.0831
Gm19	36171885	36172727	Gmdrm	hypo	CHH	-0.0611
Gm19	36175311	36176288	Gmdrm	hypo	CHH	-0.0664
Gm19	36190382	36191294	Gmdrm	hypo	CHH	-0.0272
Gm19	36192439	36193435	Gmdrm	hypo	CHH	-0.0709
Gm19	36193442	36194441	Gmdrm	hypo	CHH	-0.0728
Gm19	36197318	36198292	Gmdrm	hypo	CHH	-0.0417
Gm19	36198333	36199324	Gmdrm	hypo	CHH	-0.0387
Gm19	36200344	36201342	Gmdrm	hypo	CHH	-0.0852
Gm19	36201348	36202322	Gmdrm	hypo	CHH	-0.1123
Gm19	36206385	36207381	Gmdrm	hypo	CHH	-0.0557
Gm19	36207389	36207744	Gmdrm	hypo	CHH	-0.0556
Gm19	36207860	36208848	Gmdrm	hypo	CHH	-0.0195
Gm19	36237382	36238381	Gmdrm	hypo	CHH	-0.1021
Gm19	36240148	36241135	Gmdrm	hypo	CHH	-0.0653
Gm19	36246012	36246998	Gmdrm	hypo	CHH	-0.0857
Gm19	36247029	36248025	Gmdrm	hypo	CHH	-0.0564
Gm19	36252720	36253718	Gmdrm	hypo	CHH	-0.0663
Gm19	36253757	36254742	Gmdrm	hypo	CHH	-0.0985
Gm19	36262810	36263273	Gmdrm	hypo	CHH	-0.0435
Gm19	36264745	36265745	Gmdrm	hypo	CHH	-0.0602
Gm19	36265746	36266742	Gmdrm	hypo	CHH	-0.0556
Gm19	36266749	36267711	Gmdrm	hypo	CHH	-0.0207
Gm19	36267758	36268214	Gmdrm	hypo	CHH	-0.2836
Gm19	36268632	36269443	Gmdrm	hypo	CHH	-0.1775
Gm19	36270694	36271690	Gmdrm	hypo	CHH	-0.0316
Gm19	36271695	36272684	Gmdrm	hypo	CHH	-0.0357
Gm19	36288743	36289599	Gmdrm	hypo	CHH	-0.0145
Gm19	36289719	36290703	Gmdrm	hypo	CHH	-0.0177
Gm19	36293299	36294292	Gmdrm	hypo	CHH	-0.0312
Gm19	36301526	36302526	Gmdrm	hypo	CHH	-0.0602
Gm19	36302527	36303522	Gmdrm	hypo	CHH	-0.1259
Gm19	36305466	36305791	Gmdrm	hypo	CHH	-0.0566
Gm19	36306984	36307984	Gmdrm	hypo	CHH	-0.1068
Gm19	36307992	36308961	Gmdrm	hypo	CHH	-0.0447
Gm19	36309006	36309790	Gmdrm	hypo	CHH	-0.0246
Gm19	36324130	36325130	Gmdrm	hypo	CHH	-0.0553
Gm19	36328153	36329149	Gmdrm	hypo	CHH	-0.1603
Gm19	36353156	36354110	Gmdrm	hypo	CHH	-0.0736
Gm19	36371107	36372103	Gmdrm	hypo	CHH	-0.042

Gm19	36375200	36376195	Gmdrm	hypo	CHH	-0.0327
Gm19	36397354	36398348	Gmdrm	hypo	CHH	-0.0722
Gm19	36414866	36415854	Gmdrm	hypo	CHH	-0.0531
Gm19	36419926	36420873	Gmdrm	hypo	CHH	-0.0624
Gm19	36423054	36424051	Gmdrm	hypo	CHH	-0.0677
Gm19	36463074	36463349	Gmdrm	hypo	CHH	-0.0982
Gm19	36464163	36465150	Gmdrm	hypo	CHH	-0.0252
Gm19	36480154	36481127	Gmdrm	hypo	CHH	-0.0308
Gm19	36481181	36482179	Gmdrm	hypo	CHH	-0.0316
Gm19	36515804	36516804	Gmdrm	hypo	CHH	-0.0696
Gm19	36516808	36517805	Gmdrm	hypo	CHH	-0.127
Gm19	36517810	36518801	Gmdrm	hypo	CHH	-0.0557
Gm19	36526850	36527554	Gmdrm	hypo	CHH	-0.1552
Gm19	36542081	36543078	Gmdrm	hypo	CHH	-0.202
Gm19	36543088	36544073	Gmdrm	hypo	CHH	-0.249
Gm19	36548533	36549531	Gmdrm	hypo	CHH	-0.0152
Gm19	36549536	36550535	Gmdrm	hypo	CHH	-0.0268
Gm19	36551544	36552542	Gmdrm	hypo	CHH	-0.0735
Gm19	36552951	36553946	Gmdrm	hypo	CHH	-0.0453
Gm19	36561808	36562792	Gmdrm	hypo	CHH	-0.0395
Gm19	36562809	36563517	Gmdrm	hypo	CHH	-0.0239
Gm19	36579682	36580671	Gmdrm	hypo	CHH	-0.0454
Gm19	36580684	36581680	Gmdrm	hypo	CHH	-0.0281
Gm19	36600368	36601366	Gmdrm	hypo	CHH	-0.0252
Gm19	36612006	36612982	Gmdrm	hypo	CHH	-0.018
Gm19	36614019	36614083	Gmdrm	hypo	CHH	-0.036
Gm19	36615229	36615781	Gmdrm	hypo	CHH	-0.0292
Gm19	36615971	36616942	Gmdrm	hypo	CHH	-0.1002
Gm19	36641743	36642735	Gmdrm	hypo	CHH	-0.0931
Gm19	36646712	36647653	Gmdrm	hypo	CHH	-0.0229
Gm19	36657184	36658178	Gmdrm	hypo	CHH	-0.0358
Gm19	36693703	36694589	Gmdrm	hypo	CHH	-0.066
Gm19	36698929	36699090	Gmdrm	hypo	CHH	-0.0184
Gm19	36705308	36706302	Gmdrm	hypo	CHH	-0.1296
Gm19	36706320	36706777	Gmdrm	hypo	CHH	-0.0341
Gm19	36709430	36709546	Gmdrm	hypo	CHH	-0.0444
Gm19	36718946	36719946	Gmdrm	hypo	CHH	-0.046
Gm19	36719949	36720799	Gmdrm	hypo	CHH	-0.0558
Gm19	36727529	36728526	Gmdrm	hypo	CHH	-0.2054
Gm19	36728530	36729524	Gmdrm	hypo	CHH	-0.0406
Gm19	36737573	36738572	Gmdrm	hypo	CHH	-0.0414
Gm19	36743560	36743777	Gmdrm	hypo	CHH	-0.0212
Gm19	36744221	36745197	Gmdrm	hypo	CHH	-0.0136
Gm19	36746230	36747229	Gmdrm	hypo	CHH	-0.1903
Gm19	36747233	36747727	Gmdrm	hypo	CHH	-0.1103
Gm19	36793418	36794152	Gmdrm	hypo	CHH	-0.0237

Gm19	36810883	36811869	Gmdrm	hypo	CHH	-0.0214
Gm19	36815256	36816237	Gmdrm	hypo	CHH	-0.1489
Gm19	36816279	36817261	Gmdrm	hypo	CHH	-0.0687
Gm19	36817281	36818270	Gmdrm	hypo	CHH	-0.0251
Gm19	36818296	36819247	Gmdrm	hypo	CHH	-0.0447
Gm19	36826874	36827872	Gmdrm	hypo	CHH	-0.037
Gm19	36831921	36832921	Gmdrm	hypo	CHH	-0.0185
Gm19	36832928	36833925	Gmdrm	hypo	CHH	-0.0433
Gm19	36844639	36844757	Gmdrm	hypo	CHH	-0.0733
Gm19	36845875	36846874	Gmdrm	hypo	CHH	-0.06
Gm19	36846876	36847873	Gmdrm	hypo	CHH	-0.0864
Gm19	36847884	36848852	Gmdrm	hypo	CHH	-0.0962
Gm19	36848889	36849881	Gmdrm	hypo	CHH	-0.05
Gm19	36868447	36869348	Gmdrm	hypo	CHH	-0.0382
Gm19	36873844	36874818	Gmdrm	hypo	CHH	-0.0904
Gm19	36874856	36875840	Gmdrm	hypo	CHH	-0.0671
Gm19	36879094	36880094	Gmdrm	hypo	CHH	-0.0972
Gm19	36880123	36881115	Gmdrm	hypo	CHH	-0.1024
Gm19	36885417	36886408	Gmdrm	hypo	CHH	-0.0882
Gm19	36886423	36887420	Gmdrm	hypo	CHH	-0.1689
Gm19	36895748	36896735	Gmdrm	hypo	CHH	-0.0374
Gm19	36922007	36923003	Gmdrm	hypo	CHH	-0.0213
Gm19	36923024	36924020	Gmdrm	hypo	CHH	-0.0809
Gm19	36930737	36931730	Gmdrm	hypo	CHH	-0.0242
Gm19	36933384	36934353	Gmdrm	hypo	CHH	-0.0455
Gm19	36938177	36938332	Gmdrm	hypo	CHH	-0.0257
Gm19	36939489	36940484	Gmdrm	hypo	CHH	-0.0399
Gm19	36941504	36942504	Gmdrm	hypo	CHH	-0.228
Gm19	36957863	36958847	Gmdrm	hypo	CHH	-0.0402
Gm19	36958870	36959864	Gmdrm	hypo	CHH	-0.0126
Gm19	36964549	36965516	Gmdrm	hypo	CHH	-0.0188
Gm19	36989383	36990343	Gmdrm	hypo	CHH	-0.077
Gm19	36990403	36990574	Gmdrm	hypo	CHH	-0.0445
Gm19	36990701	36991678	Gmdrm	hypo	CHH	-0.0864
Gm19	37015129	37016126	Gmdrm	hypo	CHH	-0.0348
Gm19	37016136	37017130	Gmdrm	hypo	CHH	-0.089
Gm19	37018152	37019143	Gmdrm	hypo	CHH	-0.0338
Gm19	37020156	37021147	Gmdrm	hypo	CHH	-0.1238
Gm19	37021176	37021421	Gmdrm	hypo	CHH	-0.042
Gm19	37021581	37021677	Gmdrm	hypo	CHH	-0.0288
Gm19	37026042	37027024	Gmdrm	hypo	CHH	-0.0318
Gm19	37029045	37029652	Gmdrm	hypo	CHH	-0.043
Gm19	37036495	37037441	Gmdrm	hypo	CHH	-0.0395
Gm19	37042786	37043772	Gmdrm	hypo	CHH	-0.0156
Gm19	37048853	37049010	Gmdrm	hypo	CHH	-0.0345
Gm19	37057286	37058243	Gmdrm	hypo	CHH	-0.0187

Gm19	37082669	37083668	Gmdrm	hypo	CHH	-0.0206
Gm19	37083694	37084682	Gmdrm	hypo	CHH	-0.0895
Gm19	37084698	37085683	Gmdrm	hypo	CHH	-0.0666
Gm19	37089615	37090604	Gmdrm	hypo	CHH	-0.0448
Gm19	37105605	37106591	Gmdrm	hypo	CHH	-0.0629
Gm19	37106610	37107584	Gmdrm	hypo	CHH	-0.037
Gm19	37117641	37118624	Gmdrm	hypo	CHH	-0.0298
Gm19	37123482	37124481	Gmdrm	hypo	CHH	-0.0269
Gm19	37124484	37125482	Gmdrm	hypo	CHH	-0.0477
Gm19	37136632	37137195	Gmdrm	hypo	CHH	-0.0292
Gm19	37152560	37153544	Gmdrm	hypo	CHH	-0.0552
Gm19	37158091	37159081	Gmdrm	hypo	CHH	-0.045
Gm19	37171782	37172776	Gmdrm	hypo	CHH	-0.0347
Gm19	37172790	37173780	Gmdrm	hypo	CHH	-0.0998
Gm19	37177945	37178579	Gmdrm	hypo	CHH	-0.3598
Gm19	37180075	37181069	Gmdrm	hypo	CHH	-0.0259
Gm19	37183706	37184705	Gmdrm	hypo	CHH	-0.0149
Gm19	37185143	37185758	Gmdrm	hypo	CHH	-0.0611
Gm19	37185987	37186610	Gmdrm	hypo	CHH	-0.0427
Gm19	37188776	37189771	Gmdrm	hypo	CHH	-0.1035
Gm19	37194720	37195705	Gmdrm	hypo	CHH	-0.0223
Gm19	37202128	37203117	Gmdrm	hypo	CHH	-0.1823
Gm19	37204222	37205216	Gmdrm	hypo	CHH	-0.1291
Gm19	37215167	37216149	Gmdrm	hypo	CHH	-0.0182
Gm19	37219032	37220030	Gmdrm	hypo	CHH	-0.1004
Gm19	37224819	37225589	Gmdrm	hypo	CHH	-0.0327
Gm19	37236941	37237928	Gmdrm	hypo	CHH	-0.0157
Gm19	37238590	37239540	Gmdrm	hypo	CHH	-0.0303
Gm19	37247597	37248597	Gmdrm	hypo	CHH	-0.017
Gm19	37248598	37249594	Gmdrm	hypo	CHH	-0.0553
Gm19	37259695	37260687	Gmdrm	hypo	CHH	-0.0681
Gm19	37266985	37267960	Gmdrm	hypo	CHH	-0.014
Gm19	37267998	37268989	Gmdrm	hypo	CHH	-0.0207
Gm19	37269000	37269998	Gmdrm	hypo	CHH	-0.0301
Gm19	37273769	37274765	Gmdrm	hypo	CHH	-0.0658
Gm19	37277755	37278743	Gmdrm	hypo	CHH	-0.0338
Gm19	37310214	37311201	Gmdrm	hypo	CHH	-0.116
Gm19	37312693	37313665	Gmdrm	hypo	CHH	-0.0124
Gm19	37323509	37324486	Gmdrm	hypo	CHH	-0.0191
Gm19	37328110	37329105	Gmdrm	hypo	CHH	-0.0782
Gm19	37349578	37350575	Gmdrm	hypo	CHH	-0.0322
Gm19	37352616	37353615	Gmdrm	hypo	CHH	-0.0188
Gm19	37353630	37354630	Gmdrm	hypo	CHH	-0.1356
Gm19	37354645	37355634	Gmdrm	hypo	CHH	-0.0409
Gm19	37358690	37358809	Gmdrm	hypo	CHH	-0.2189
Gm19	37358949	37359919	Gmdrm	hypo	CHH	-0.1899

Gm19	37364342	37365327	Gmdrm	hypo	CHH	-0.0177
Gm19	37365368	37366354	Gmdrm	hypo	CHH	-0.0122
Gm19	37369381	37370352	Gmdrm	hypo	CHH	-0.0335
Gm19	37376955	37377917	Gmdrm	hypo	CHH	-0.0296
Gm19	37377967	37378941	Gmdrm	hypo	CHH	-0.1349
Gm19	37380191	37381189	Gmdrm	hypo	CHH	-0.2273
Gm19	37381193	37381781	Gmdrm	hypo	CHH	-0.1603
Gm19	37395256	37396239	Gmdrm	hypo	CHH	-0.0585
Gm19	37415277	37416275	Gmdrm	hypo	CHH	-0.0576
Gm19	37417303	37418292	Gmdrm	hypo	CHH	-0.0885
Gm19	37418310	37419304	Gmdrm	hypo	CHH	-0.0661
Gm19	37425342	37426330	Gmdrm	hypo	CHH	-0.0137
Gm19	37427404	37428404	Gmdrm	hypo	CHH	-0.0662
Gm19	37437497	37438478	Gmdrm	hypo	CHH	-0.055
Gm19	37447018	37448017	Gmdrm	hypo	CHH	-0.0446
Gm19	37449052	37450041	Gmdrm	hypo	CHH	-0.0606
Gm19	37452319	37453303	Gmdrm	hypo	CHH	-0.0195
Gm19	37453606	37454603	Gmdrm	hypo	CHH	-0.0148
Gm19	37464090	37465056	Gmdrm	hypo	CHH	-0.0242
Gm19	37466180	37467172	Gmdrm	hypo	CHH	-0.0625
Gm19	37467188	37468158	Gmdrm	hypo	CHH	-0.0396
Gm19	37476331	37477331	Gmdrm	hypo	CHH	-0.0296
Gm19	37486821	37487816	Gmdrm	hypo	CHH	-0.0504
Gm19	37488838	37489146	Gmdrm	hypo	CHH	-0.0309
Gm19	37489510	37490508	Gmdrm	hypo	CHH	-0.0236
Gm19	37490517	37491064	Gmdrm	hypo	CHH	-0.4689
Gm19	37492736	37493723	Gmdrm	hypo	CHH	-0.0186
Gm19	37513241	37514240	Gmdrm	hypo	CHH	-0.06
Gm19	37514242	37515230	Gmdrm	hypo	CHH	-0.0472
Gm19	37516294	37517203	Gmdrm	hypo	CHH	-0.0222
Gm19	37522402	37523397	Gmdrm	hypo	CHH	-0.0148
Gm19	37533762	37534238	Gmdrm	hypo	CHH	-0.0488
Gm19	37534343	37535331	Gmdrm	hypo	CHH	-0.1134
Gm19	37550084	37551074	Gmdrm	hypo	CHH	-0.2563
Gm19	37556745	37557723	Gmdrm	hypo	CHH	-0.0153
Gm19	37557748	37558743	Gmdrm	hypo	CHH	-0.0457
Gm19	37570050	37571037	Gmdrm	hypo	CHH	-0.04
Gm19	37571054	37572054	Gmdrm	hypo	CHH	-0.1388
Gm19	37572060	37572891	Gmdrm	hypo	CHH	-0.087
Gm19	37573091	37574072	Gmdrm	hypo	CHH	-0.1504
Gm19	37574099	37575087	Gmdrm	hypo	CHH	-0.0242
Gm19	37584918	37585897	Gmdrm	hypo	CHH	-0.0202
Gm19	37587956	37588956	Gmdrm	hypo	CHH	-0.0515
Gm19	37593317	37594108	Gmdrm	hypo	CHH	-0.0259
Gm19	37600930	37601924	Gmdrm	hypo	CHH	-0.0265
Gm19	37601931	37602931	Gmdrm	hypo	CHH	-0.1446

Gm19	37602932	37603696	Gmdrm	hypo	CHH	-0.282
Gm19	37604807	37605804	Gmdrm	hypo	CHH	-0.0363
Gm19	37607827	37608820	Gmdrm	hypo	CHH	-0.1824
Gm19	37608829	37609813	Gmdrm	hypo	CHH	-0.1406
Gm19	37625168	37625949	Gmdrm	hypo	CHH	-0.0249
Gm19	37628146	37629140	Gmdrm	hypo	CHH	-0.0191
Gm19	37629156	37630149	Gmdrm	hypo	CHH	-0.0418
Gm19	37635902	37636896	Gmdrm	hypo	CHH	-0.0972
Gm19	37636915	37637912	Gmdrm	hypo	CHH	-0.0414
Gm19	37649862	37650862	Gmdrm	hypo	CHH	-0.0317
Gm19	37682705	37683703	Gmdrm	hypo	CHH	-0.0526
Gm19	37684723	37685715	Gmdrm	hypo	CHH	-0.0176
Gm19	37765057	37766041	Gmdrm	hypo	CHH	-0.0169
Gm19	37776073	37777068	Gmdrm	hypo	CHH	-0.2817
Gm19	37802263	37803231	Gmdrm	hypo	CHH	-0.0189
Gm19	37807886	37808885	Gmdrm	hypo	CHH	-0.0857
Gm19	37812941	37813937	Gmdrm	hypo	CHH	-0.05
Gm19	37834812	37835808	Gmdrm	hypo	CHH	-0.017
Gm19	37835859	37836808	Gmdrm	hypo	CHH	-0.0231
Gm19	37851797	37852793	Gmdrm	hypo	CHH	-0.1651
Gm19	37863080	37864043	Gmdrm	hypo	CHH	-0.0782
Gm19	37864397	37864454	Gmdrm	hypo	CHH	-0.0467
Gm19	37864610	37864709	Gmdrm	hypo	CHH	-0.0514
Gm19	37865512	37865776	Gmdrm	hypo	CHH	-0.3769
Gm19	37878663	37878897	Gmdrm	hypo	CHH	-0.0433
Gm19	37883027	37884016	Gmdrm	hypo	CHH	-0.0136
Gm19	37887653	37888649	Gmdrm	hypo	CHH	-0.0219
Gm19	37894693	37895685	Gmdrm	hypo	CHH	-0.0567
Gm19	37896220	37896579	Gmdrm	hypo	CHH	-0.1233
Gm19	37898032	37898529	Gmdrm	hypo	CHH	-0.0436
Gm19	37899648	37900647	Gmdrm	hypo	CHH	-0.1426
Gm19	37900662	37901638	Gmdrm	hypo	CHH	-0.0802
Gm19	37904101	37905094	Gmdrm	hypo	CHH	-0.0609
Gm19	37912611	37913580	Gmdrm	hypo	CHH	-0.0206
Gm19	37913620	37914445	Gmdrm	hypo	CHH	-0.0459
Gm19	37914557	37915257	Gmdrm	hypo	CHH	-0.0307
Gm19	37926368	37927325	Gmdrm	hypo	CHH	-0.0146
Gm19	37929398	37930398	Gmdrm	hypo	CHH	-0.0707
Gm19	37930400	37931397	Gmdrm	hypo	CHH	-0.031
Gm19	37932523	37933487	Gmdrm	hypo	CHH	-0.0779
Gm19	37936002	37936997	Gmdrm	hypo	CHH	-0.014
Gm19	37939038	37940032	Gmdrm	hypo	CHH	-0.0472
Gm19	37940048	37940285	Gmdrm	hypo	CHH	-0.0523
Gm19	37946025	37946949	Gmdrm	hypo	CHH	-0.1231
Gm19	37978524	37979514	Gmdrm	hypo	CHH	-0.071
Gm19	37980539	37981539	Gmdrm	hypo	CHH	-0.1456

Gm19	37982794	37983680	Gmdrm	hypo	CHH	-0.1604
Gm19	38011844	38012818	Gmdrm	hypo	CHH	-0.0256
Gm19	38022582	38023580	Gmdrm	hypo	CHH	-0.0205
Gm19	38025872	38026568	Gmdrm	hypo	CHH	-0.0609
Gm19	38027775	38028772	Gmdrm	hypo	CHH	-0.1009
Gm19	38028791	38029777	Gmdrm	hypo	CHH	-0.1066
Gm19	38030831	38031325	Gmdrm	hypo	CHH	-0.0533
Gm19	38031579	38032576	Gmdrm	hypo	CHH	-0.0309
Gm19	38061580	38061882	Gmdrm	hypo	CHH	-0.0213
Gm19	38078583	38079551	Gmdrm	hypo	CHH	-0.0344
Gm19	38084629	38085614	Gmdrm	hypo	CHH	-0.0763
Gm19	38088249	38089235	Gmdrm	hypo	CHH	-0.0196
Gm19	38101055	38101503	Gmdrm	hypo	CHH	-0.0581
Gm19	38111747	38112747	Gmdrm	hypo	CHH	-0.012
Gm19	38114823	38115792	Gmdrm	hypo	CHH	-0.0308
Gm19	38118986	38119975	Gmdrm	hypo	CHH	-0.0304
Gm19	38119987	38120987	Gmdrm	hypo	CHH	-0.0432
Gm19	38122821	38123811	Gmdrm	hypo	CHH	-0.1035
Gm19	38129774	38130773	Gmdrm	hypo	CHH	-0.0506
Gm19	38130779	38131755	Gmdrm	hypo	CHH	-0.0156
Gm19	38138775	38139757	Gmdrm	hypo	CHH	-0.0259
Gm19	38141108	38142095	Gmdrm	hypo	CHH	-0.0491
Gm19	38142115	38143110	Gmdrm	hypo	CHH	-0.0555
Gm19	38154291	38155192	Gmdrm	hypo	CHH	-0.3165
Gm19	38175023	38176023	Gmdrm	hypo	CHH	-0.019
Gm19	38178077	38179076	Gmdrm	hypo	CHH	-0.0271
Gm19	38179085	38180079	Gmdrm	hypo	CHH	-0.1678
Gm19	38187281	38187487	Gmdrm	hypo	CHH	-0.0527
Gm19	38211215	38212176	Gmdrm	hypo	CHH	-0.154
Gm19	38213804	38214800	Gmdrm	hypo	CHH	-0.0391
Gm19	38216814	38217546	Gmdrm	hypo	CHH	-0.0354
Gm19	38217662	38218625	Gmdrm	hypo	CHH	-0.0858
Gm19	38221275	38222269	Gmdrm	hypo	CHH	-0.0128
Gm19	38222278	38223274	Gmdrm	hypo	CHH	-0.0168
Gm19	38225319	38226319	Gmdrm	hypo	CHH	-0.0693
Gm19	38226321	38227258	Gmdrm	hypo	CHH	-0.0684
Gm19	38228342	38229054	Gmdrm	hypo	CHH	-0.1159
Gm19	38233079	38234078	Gmdrm	hypo	CHH	-0.0312
Gm19	38234082	38235067	Gmdrm	hypo	CHH	-0.0237
Gm19	38244840	38245808	Gmdrm	hypo	CHH	-0.0285
Gm19	38245872	38246853	Gmdrm	hypo	CHH	-0.0467
Gm19	38252754	38253750	Gmdrm	hypo	CHH	-0.0683
Gm19	38253760	38254241	Gmdrm	hypo	CHH	-0.19
Gm19	38264126	38264420	Gmdrm	hypo	CHH	-0.0354
Gm19	38279071	38280069	Gmdrm	hypo	CHH	-0.0503
Gm19	38280077	38280773	Gmdrm	hypo	CHH	-0.0307

Gm19	38283773	38284754	Gmdrm	hypo	CHH	-0.0933
Gm19	38284784	38285762	Gmdrm	hypo	CHH	-0.0478
Gm19	38285808	38286408	Gmdrm	hypo	CHH	-0.0985
Gm19	38286589	38287582	Gmdrm	hypo	CHH	-0.0876
Gm19	38287592	38287957	Gmdrm	hypo	CHH	-0.27
Gm19	38295743	38296737	Gmdrm	hypo	CHH	-0.012
Gm19	38297765	38298741	Gmdrm	hypo	CHH	-0.0345
Gm19	38299783	38300780	Gmdrm	hypo	CHH	-0.0645
Gm19	38303843	38304803	Gmdrm	hypo	CHH	-0.1097
Gm19	38304852	38305851	Gmdrm	hypo	CHH	-0.0694
Gm19	38305856	38306817	Gmdrm	hypo	CHH	-0.0402
Gm19	38310680	38311679	Gmdrm	hypo	CHH	-0.0167
Gm19	38312749	38313730	Gmdrm	hypo	CHH	-0.0602
Gm19	38319210	38320198	Gmdrm	hypo	CHH	-0.0191
Gm19	38322977	38323967	Gmdrm	hypo	CHH	-0.1316
Gm19	38323980	38324975	Gmdrm	hypo	CHH	-0.0882
Gm19	38325010	38325981	Gmdrm	hypo	CHH	-0.2497
Gm19	38326066	38326411	Gmdrm	hypo	CHH	-0.2694
Gm19	38327215	38328181	Gmdrm	hypo	CHH	-0.0224
Gm19	38333045	38334037	Gmdrm	hypo	CHH	-0.118
Gm19	38334047	38335041	Gmdrm	hypo	CHH	-0.1219
Gm19	38343069	38343288	Gmdrm	hypo	CHH	-0.1131
Gm19	38349813	38350786	Gmdrm	hypo	CHH	-0.0901
Gm19	38350818	38351816	Gmdrm	hypo	CHH	-0.0623
Gm19	38370516	38371455	Gmdrm	hypo	CHH	-0.0578
Gm19	38371532	38372530	Gmdrm	hypo	CHH	-0.1228
Gm19	38372557	38373557	Gmdrm	hypo	CHH	-0.115
Gm19	38382578	38383574	Gmdrm	hypo	CHH	-0.3171
Gm19	38422664	38423345	Gmdrm	hypo	CHH	-0.0266
Gm19	38431427	38432408	Gmdrm	hypo	CHH	-0.0156
Gm19	38436599	38437599	Gmdrm	hypo	CHH	-0.0564
Gm19	38437601	38438581	Gmdrm	hypo	CHH	-0.0967
Gm19	38439646	38440621	Gmdrm	hypo	CHH	-0.0468
Gm19	38441661	38442639	Gmdrm	hypo	CHH	-0.0143
Gm19	38458674	38459670	Gmdrm	hypo	CHH	-0.0233
Gm19	38463935	38464093	Gmdrm	hypo	CHH	-0.0717
Gm19	38464244	38465240	Gmdrm	hypo	CHH	-0.0376
Gm19	38469523	38470513	Gmdrm	hypo	CHH	-0.0141
Gm19	38476667	38477660	Gmdrm	hypo	CHH	-0.0158
Gm19	38486802	38487765	Gmdrm	hypo	CHH	-0.0287
Gm19	38490390	38491379	Gmdrm	hypo	CHH	-0.06
Gm19	38492425	38493425	Gmdrm	hypo	CHH	-0.02
Gm19	38494475	38495471	Gmdrm	hypo	CHH	-0.0136
Gm19	38495481	38496393	Gmdrm	hypo	CHH	-0.0893
Gm19	38500268	38501259	Gmdrm	hypo	CHH	-0.037
Gm19	38501269	38502251	Gmdrm	hypo	CHH	-0.0417

Gm19	38503294	38504272	Gmdrm	hypo	CHH	-0.0184
Gm19	38510435	38511429	Gmdrm	hypo	CHH	-0.363
Gm19	38512341	38513340	Gmdrm	hypo	CHH	-0.0623
Gm19	38513351	38514313	Gmdrm	hypo	CHH	-0.0207
Gm19	38524941	38525941	Gmdrm	hypo	CHH	-0.0352
Gm19	38525943	38526933	Gmdrm	hypo	CHH	-0.0552
Gm19	38536527	38537489	Gmdrm	hypo	CHH	-0.0209
Gm19	38543135	38544108	Gmdrm	hypo	CHH	-0.0363
Gm19	38550186	38551180	Gmdrm	hypo	CHH	-0.0344
Gm19	38559958	38560054	Gmdrm	hypo	CHH	-0.096
Gm19	38562175	38563175	Gmdrm	hypo	CHH	-0.0218
Gm19	38563186	38564186	Gmdrm	hypo	CHH	-0.0531
Gm19	38564202	38565201	Gmdrm	hypo	CHH	-0.0262
Gm19	38565204	38565761	Gmdrm	hypo	CHH	-0.0408
Gm19	38565893	38566891	Gmdrm	hypo	CHH	-0.1545
Gm19	38571984	38572263	Gmdrm	hypo	CHH	-0.0339
Gm19	38581787	38582671	Gmdrm	hypo	CHH	-0.014
Gm19	38585454	38586408	Gmdrm	hypo	CHH	-0.0281
Gm19	38589261	38590253	Gmdrm	hypo	CHH	-0.044
Gm19	38590263	38591263	Gmdrm	hypo	CHH	-0.0551
Gm19	38591275	38592216	Gmdrm	hypo	CHH	-0.0373
Gm19	38597574	38598547	Gmdrm	hypo	CHH	-0.0597
Gm19	38602633	38603595	Gmdrm	hypo	CHH	-0.0405
Gm19	38605660	38606080	Gmdrm	hypo	CHH	-0.0479
Gm19	38606785	38607492	Gmdrm	hypo	CHH	-0.0565
Gm19	38609660	38610211	Gmdrm	hypo	CHH	-0.1264
Gm19	38614524	38615071	Gmdrm	hypo	CHH	-0.0423
Gm19	38620060	38621048	Gmdrm	hypo	CHH	-0.0158
Gm19	38628906	38629903	Gmdrm	hypo	CHH	-0.0314
Gm19	38654043	38655040	Gmdrm	hypo	CHH	-0.2347
Gm19	38655047	38656035	Gmdrm	hypo	CHH	-0.2314
Gm19	38658158	38659157	Gmdrm	hypo	CHH	-0.0627
Gm19	38659164	38659582	Gmdrm	hypo	CHH	-0.105
Gm19	38666395	38667096	Gmdrm	hypo	CHH	-0.0322
Gm19	38684740	38685731	Gmdrm	hypo	CHH	-0.0471
Gm19	38691104	38692098	Gmdrm	hypo	CHH	-0.0456
Gm19	38697149	38697752	Gmdrm	hypo	CHH	-0.0833
Gm19	38707587	38708559	Gmdrm	hypo	CHH	-0.0209
Gm19	38713847	38714834	Gmdrm	hypo	CHH	-0.0537
Gm19	38716889	38717870	Gmdrm	hypo	CHH	-0.0232
Gm19	38726709	38727704	Gmdrm	hypo	CHH	-0.014
Gm19	38729035	38730029	Gmdrm	hypo	CHH	-0.025
Gm19	38730886	38731870	Gmdrm	hypo	CHH	-0.2015
Gm19	38734918	38735910	Gmdrm	hypo	CHH	-0.0143
Gm19	38744257	38745234	Gmdrm	hypo	CHH	-0.0351
Gm19	38745276	38746253	Gmdrm	hypo	CHH	-0.0138

Gm19	38751979	38752979	Gmdrm	hypo	CHH	-0.0548
Gm19	38752982	38753598	Gmdrm	hypo	CHH	-0.0165
Gm19	38755183	38755698	Gmdrm	hypo	CHH	-0.0484
Gm19	38757846	38758846	Gmdrm	hypo	CHH	-0.016
Gm19	38758847	38759823	Gmdrm	hypo	CHH	-0.0637
Gm19	38759849	38759946	Gmdrm	hypo	CHH	-0.0815
Gm19	38760060	38760996	Gmdrm	hypo	CHH	-0.2049
Gm19	38762533	38763523	Gmdrm	hypo	CHH	-0.0154
Gm19	38774516	38775511	Gmdrm	hypo	CHH	-0.0297
Gm19	38775520	38776516	Gmdrm	hypo	CHH	-0.0449
Gm19	38781340	38782329	Gmdrm	hypo	CHH	-0.044
Gm19	38784373	38785025	Gmdrm	hypo	CHH	-0.0245
Gm19	38787332	38788330	Gmdrm	hypo	CHH	-0.0623
Gm19	38792388	38793379	Gmdrm	hypo	CHH	-0.0541
Gm19	38793389	38794377	Gmdrm	hypo	CHH	-0.0645
Gm19	38794393	38795368	Gmdrm	hypo	CHH	-0.076
Gm19	38802568	38803496	Gmdrm	hypo	CHH	-0.0197
Gm19	38813819	38814815	Gmdrm	hypo	CHH	-0.0951
Gm19	38814821	38815737	Gmdrm	hypo	CHH	-0.1675
Gm19	38830863	38831846	Gmdrm	hypo	CHH	-0.2143
Gm19	38832907	38833902	Gmdrm	hypo	CHH	-0.02
Gm19	38848044	38849008	Gmdrm	hypo	CHH	-0.0515
Gm19	38862954	38863366	Gmdrm	hypo	CHH	-0.0435
Gm19	38874067	38875066	Gmdrm	hypo	CHH	-0.0916
Gm19	38875072	38875694	Gmdrm	hypo	CHH	-0.3391
Gm19	38877952	38878952	Gmdrm	hypo	CHH	-0.0478
Gm19	38878955	38879948	Gmdrm	hypo	CHH	-0.0383
Gm19	38901470	38902463	Gmdrm	hypo	CHH	-0.2625
Gm19	38902471	38903461	Gmdrm	hypo	CHH	-0.1356
Gm19	38903486	38904417	Gmdrm	hypo	CHH	-0.0224
Gm19	38912403	38913401	Gmdrm	hypo	CHH	-0.0585
Gm19	38920217	38921214	Gmdrm	hypo	CHH	-0.0104
Gm19	38929485	38930428	Gmdrm	hypo	CHH	-0.0137
Gm19	38931083	38932079	Gmdrm	hypo	CHH	-0.0148
Gm19	38939486	38940477	Gmdrm	hypo	CHH	-0.0289
Gm19	38953603	38954570	Gmdrm	hypo	CHH	-0.0231
Gm19	38954619	38955615	Gmdrm	hypo	CHH	-0.1145
Gm19	38955627	38956349	Gmdrm	hypo	CHH	-0.0612
Gm19	38956466	38957444	Gmdrm	hypo	CHH	-0.0755
Gm19	38957467	38957765	Gmdrm	hypo	CHH	-0.0224
Gm19	38966452	38967440	Gmdrm	hypo	CHH	-0.0724
Gm19	38969521	38970518	Gmdrm	hypo	CHH	-0.0364
Gm19	38970523	38971281	Gmdrm	hypo	CHH	-0.0489
Gm19	38971389	38972384	Gmdrm	hypo	CHH	-0.0642
Gm19	38978523	38979519	Gmdrm	hypo	CHH	-0.0668
Gm19	38979525	38980516	Gmdrm	hypo	CHH	-0.0824

Gm19	38980539	38981528	Gmdrm	hypo	CHH	-0.0289
Gm19	38981548	38982547	Gmdrm	hypo	CHH	-0.0402
Gm19	38983584	38984573	Gmdrm	hypo	CHH	-0.0285
Gm19	38988304	38989286	Gmdrm	hypo	CHH	-0.0355
Gm19	38989324	38989876	Gmdrm	hypo	CHH	-0.0281
Gm19	38991381	38992378	Gmdrm	hypo	CHH	-0.056
Gm19	38992382	38993382	Gmdrm	hypo	CHH	-0.092
Gm19	38998493	38999493	Gmdrm	hypo	CHH	-0.0207
Gm19	38999506	39000504	Gmdrm	hypo	CHH	-0.0248
Gm19	39016233	39017204	Gmdrm	hypo	CHH	-0.1573
Gm19	39017244	39018227	Gmdrm	hypo	CHH	-0.0343
Gm19	39018317	39019150	Gmdrm	hypo	CHH	-0.0209
Gm19	39022467	39023280	Gmdrm	hypo	CHH	-0.0325
Gm19	39027426	39028425	Gmdrm	hypo	CHH	-0.0334
Gm19	39031249	39032008	Gmdrm	hypo	CHH	-0.0202
Gm19	39040435	39041394	Gmdrm	hypo	CHH	-0.3325
Gm19	39043466	39044461	Gmdrm	hypo	CHH	-0.0981
Gm19	39044467	39045467	Gmdrm	hypo	CHH	-0.0368
Gm19	39048479	39049462	Gmdrm	hypo	CHH	-0.049
Gm19	39050455	39051412	Gmdrm	hypo	CHH	-0.0426
Gm19	39053496	39054460	Gmdrm	hypo	CHH	-0.014
Gm19	39058458	39059416	Gmdrm	hypo	CHH	-0.0618
Gm19	39059466	39059743	Gmdrm	hypo	CHH	-0.0337
Gm19	39060866	39061816	Gmdrm	hypo	CHH	-0.0192
Gm19	39075291	39076282	Gmdrm	hypo	CHH	-0.2456
Gm19	39084510	39085502	Gmdrm	hypo	CHH	-0.1713
Gm19	39091214	39092206	Gmdrm	hypo	CHH	-0.0741
Gm19	39093222	39094222	Gmdrm	hypo	CHH	-0.0475
Gm19	39100215	39101197	Gmdrm	hypo	CHH	-0.0166
Gm19	39101256	39102256	Gmdrm	hypo	CHH	-0.0187
Gm19	39106341	39107336	Gmdrm	hypo	CHH	-0.0292
Gm19	39110396	39111389	Gmdrm	hypo	CHH	-0.094
Gm19	39113506	39114486	Gmdrm	hypo	CHH	-0.0108
Gm19	39115581	39116579	Gmdrm	hypo	CHH	-0.0352
Gm19	39116614	39117602	Gmdrm	hypo	CHH	-0.1278
Gm19	39122391	39123376	Gmdrm	hypo	CHH	-0.0707
Gm19	39123395	39124385	Gmdrm	hypo	CHH	-0.0182
Gm19	39128728	39129047	Gmdrm	hypo	CHH	-0.1168
Gm19	39135246	39136246	Gmdrm	hypo	CHH	-0.1133
Gm19	39136250	39137241	Gmdrm	hypo	CHH	-0.1248
Gm19	39138505	39139493	Gmdrm	hypo	CHH	-0.0682
Gm19	39139534	39140509	Gmdrm	hypo	CHH	-0.0322
Gm19	39143089	39144079	Gmdrm	hypo	CHH	-0.0374
Gm19	39146504	39146669	Gmdrm	hypo	CHH	-0.03
Gm19	39147783	39148770	Gmdrm	hypo	CHH	-0.0385
Gm19	39163778	39164773	Gmdrm	hypo	CHH	-0.0339

Gm19	39167052	39168052	Gmdrm	hypo	CHH	-0.0231
Gm19	39173395	39174390	Gmdrm	hypo	CHH	-0.0605
Gm19	39182466	39183462	Gmdrm	hypo	CHH	-0.149
Gm19	39183475	39184474	Gmdrm	hypo	CHH	-0.0356
Gm19	39187964	39188963	Gmdrm	hypo	CHH	-0.1244
Gm19	39188965	39189951	Gmdrm	hypo	CHH	-0.1906
Gm19	39195091	39196083	Gmdrm	hypo	CHH	-0.0168
Gm19	39196101	39197100	Gmdrm	hypo	CHH	-0.026
Gm19	39197107	39198106	Gmdrm	hypo	CHH	-0.0357
Gm19	39201128	39202112	Gmdrm	hypo	CHH	-0.013
Gm19	39208736	39209694	Gmdrm	hypo	CHH	-0.019
Gm19	39227797	39228793	Gmdrm	hypo	CHH	-0.017
Gm19	39228810	39229772	Gmdrm	hypo	CHH	-0.0151
Gm19	39231493	39232489	Gmdrm	hypo	CHH	-0.0332
Gm19	39232544	39233539	Gmdrm	hypo	CHH	-0.0457
Gm19	39233545	39234544	Gmdrm	hypo	CHH	-0.0201
Gm19	39238256	39239253	Gmdrm	hypo	CHH	-0.0977
Gm19	39239266	39240142	Gmdrm	hypo	CHH	-0.0333
Gm19	39247671	39248665	Gmdrm	hypo	CHH	-0.0165
Gm19	39252796	39253779	Gmdrm	hypo	CHH	-0.1535
Gm19	39254370	39255369	Gmdrm	hypo	CHH	-0.0117
Gm19	39255374	39256369	Gmdrm	hypo	CHH	-0.0127
Gm19	39258996	39259510	Gmdrm	hypo	CHH	-0.0385
Gm19	39260551	39261550	Gmdrm	hypo	CHH	-0.0342
Gm19	39261552	39262551	Gmdrm	hypo	CHH	-0.1212
Gm19	39268723	39269637	Gmdrm	hypo	CHH	-0.088
Gm19	39270813	39271810	Gmdrm	hypo	CHH	-0.0614
Gm19	39271816	39272799	Gmdrm	hypo	CHH	-0.1051
Gm19	39273627	39274623	Gmdrm	hypo	CHH	-0.0216
Gm19	39280656	39281602	Gmdrm	hypo	CHH	-0.0166
Gm19	39284298	39285177	Gmdrm	hypo	CHH	-0.0656
Gm19	39285292	39286189	Gmdrm	hypo	CHH	-0.0597
Gm19	39297684	39298221	Gmdrm	hypo	CHH	-0.0297
Gm19	39298332	39299332	Gmdrm	hypo	CHH	-0.0152
Gm19	39306413	39307411	Gmdrm	hypo	CHH	-0.0319
Gm19	39308824	39309640	Gmdrm	hypo	CHH	-0.0117
Gm19	39315760	39316722	Gmdrm	hypo	CHH	-0.1089
Gm19	39341131	39342131	Gmdrm	hypo	CHH	-0.0222
Gm19	39355943	39356901	Gmdrm	hypo	CHH	-0.3599
Gm19	39369321	39369514	Gmdrm	hypo	CHH	-0.1128
Gm19	39369619	39369752	Gmdrm	hypo	CHH	-0.1988
Gm19	39375965	39376946	Gmdrm	hypo	CHH	-0.0137
Gm19	39377998	39378988	Gmdrm	hypo	CHH	-0.0145
Gm19	39380013	39381006	Gmdrm	hypo	CHH	-0.0154
Gm19	39381060	39382060	Gmdrm	hypo	CHH	-0.0498
Gm19	39386092	39387055	Gmdrm	hypo	CHH	-0.0137

Gm19	39415234	39416234	Gmdrm	hypo	CHH	-0.0144
Gm19	39416238	39417237	Gmdrm	hypo	CHH	-0.0657
Gm19	39420841	39421839	Gmdrm	hypo	CHH	-0.0629
Gm19	39425502	39426499	Gmdrm	hypo	CHH	-0.0617
Gm19	39434662	39435602	Gmdrm	hypo	CHH	-0.0219
Gm19	39435664	39436658	Gmdrm	hypo	CHH	-0.0602
Gm19	39436666	39437638	Gmdrm	hypo	CHH	-0.0231
Gm19	39442913	39443896	Gmdrm	hypo	CHH	-0.0228
Gm19	39452241	39453240	Gmdrm	hypo	CHH	-0.1233
Gm19	39465480	39466480	Gmdrm	hypo	CHH	-0.0646
Gm19	39466493	39467315	Gmdrm	hypo	CHH	-0.0734
Gm19	39467612	39468597	Gmdrm	hypo	CHH	-0.0784
Gm19	39472078	39473074	Gmdrm	hypo	CHH	-0.2643
Gm19	39473082	39474082	Gmdrm	hypo	CHH	-0.1946
Gm19	39486986	39487973	Gmdrm	hypo	CHH	-0.0375
Gm19	39487994	39488978	Gmdrm	hypo	CHH	-0.021
Gm19	39491704	39492668	Gmdrm	hypo	CHH	-0.0496
Gm19	39507363	39508345	Gmdrm	hypo	CHH	-0.086
Gm19	39524745	39525743	Gmdrm	hypo	CHH	-0.0452
Gm19	39526343	39527314	Gmdrm	hypo	CHH	-0.0453
Gm19	39557594	39558587	Gmdrm	hypo	CHH	-0.1311
Gm19	39564866	39565703	Gmdrm	hypo	CHH	-0.1827
Gm19	39565931	39566931	Gmdrm	hypo	CHH	-0.0186
Gm19	39573635	39574573	Gmdrm	hypo	CHH	-0.0701
Gm19	39575799	39576791	Gmdrm	hypo	CHH	-0.0312
Gm19	39587002	39587990	Gmdrm	hypo	CHH	-0.0188
Gm19	39588007	39588986	Gmdrm	hypo	CHH	-0.0215
Gm19	39589020	39590012	Gmdrm	hypo	CHH	-0.055
Gm19	39594067	39595064	Gmdrm	hypo	CHH	-0.0678
Gm19	39595072	39596061	Gmdrm	hypo	CHH	-0.0787
Gm19	39617935	39618928	Gmdrm	hypo	CHH	-0.0531
Gm19	39618952	39619950	Gmdrm	hypo	CHH	-0.2168
Gm19	39624617	39625609	Gmdrm	hypo	CHH	-0.0524
Gm19	39625671	39626669	Gmdrm	hypo	CHH	-0.0427
Gm19	39626674	39627672	Gmdrm	hypo	CHH	-0.0842
Gm19	39627688	39628684	Gmdrm	hypo	CHH	-0.0504
Gm19	39631736	39632726	Gmdrm	hypo	CHH	-0.0664
Gm19	39642717	39643717	Gmdrm	hypo	CHH	-0.1067
Gm19	39648747	39649740	Gmdrm	hypo	CHH	-0.0218
Gm19	39653244	39654243	Gmdrm	hypo	CHH	-0.0901
Gm19	39657367	39658085	Gmdrm	hypo	CHH	-0.034
Gm19	39660223	39661218	Gmdrm	hypo	CHH	-0.03
Gm19	39663339	39663505	Gmdrm	hypo	CHH	-0.06
Gm19	39680081	39681077	Gmdrm	hypo	CHH	-0.0125
Gm19	39685211	39686209	Gmdrm	hypo	CHH	-0.0553
Gm19	39691019	39692013	Gmdrm	hypo	CHH	-0.0206

Gm19	39694106	39695091	Gmdrm	hypo	CHH	-0.3348
Gm19	39701320	39702177	Gmdrm	hypo	CHH	-0.1635
Gm19	39710263	39711259	Gmdrm	hypo	CHH	-0.1433
Gm19	39713319	39714047	Gmdrm	hypo	CHH	-0.0189
Gm19	39716158	39717156	Gmdrm	hypo	CHH	-0.0545
Gm19	39718186	39718707	Gmdrm	hypo	CHH	-0.0427
Gm19	39726866	39727857	Gmdrm	hypo	CHH	-0.0105
Gm19	39731980	39732969	Gmdrm	hypo	CHH	-0.0305
Gm19	39732985	39733981	Gmdrm	hypo	CHH	-0.0722
Gm19	39743721	39744467	Gmdrm	hypo	CHH	-0.0219
Gm19	39746599	39747593	Gmdrm	hypo	CHH	-0.0174
Gm19	39755157	39756143	Gmdrm	hypo	CHH	-0.0159
Gm19	39756175	39757174	Gmdrm	hypo	CHH	-0.0172
Gm19	39757188	39758165	Gmdrm	hypo	CHH	-0.0617
Gm19	39758200	39759195	Gmdrm	hypo	CHH	-0.0279
Gm19	39762029	39762338	Gmdrm	hypo	CHH	-0.0253
Gm19	39762761	39763754	Gmdrm	hypo	CHH	-0.0997
Gm19	39766121	39766877	Gmdrm	hypo	CHH	-0.0726
Gm19	39772113	39772427	Gmdrm	hypo	CHH	-0.1166
Gm19	39791952	39792934	Gmdrm	hypo	CHH	-0.0174
Gm19	39803271	39803414	Gmdrm	hypo	CHH	-0.0358
Gm19	39803527	39803619	Gmdrm	hypo	CHH	-0.0707
Gm19	39806509	39807509	Gmdrm	hypo	CHH	-0.2212
Gm19	39807514	39808510	Gmdrm	hypo	CHH	-0.0284
Gm19	39810136	39811133	Gmdrm	hypo	CHH	-0.0539
Gm19	39811137	39811261	Gmdrm	hypo	CHH	-0.1033
Gm19	39823253	39823892	Gmdrm	hypo	CHH	-0.0202
Gm19	39824563	39825519	Gmdrm	hypo	CHH	-0.0845
Gm19	39835867	39836402	Gmdrm	hypo	CHH	-0.0195
Gm19	39843569	39844320	Gmdrm	hypo	CHH	-0.022
Gm19	39846403	39847398	Gmdrm	hypo	CHH	-0.064
Gm19	39852311	39853308	Gmdrm	hypo	CHH	-0.0574
Gm19	39853316	39854316	Gmdrm	hypo	CHH	-0.0401
Gm19	39855341	39856337	Gmdrm	hypo	CHH	-0.0122
Gm19	39856354	39857333	Gmdrm	hypo	CHH	-0.02
Gm19	39857367	39858350	Gmdrm	hypo	CHH	-0.0109
Gm19	39872415	39873411	Gmdrm	hypo	CHH	-0.1412
Gm19	39873419	39874419	Gmdrm	hypo	CHH	-0.1043
Gm19	39885809	39886802	Gmdrm	hypo	CHH	-0.0129
Gm19	39886818	39887802	Gmdrm	hypo	CHH	-0.0099
Gm19	39888458	39889455	Gmdrm	hypo	CHH	-0.0541
Gm19	39889463	39890457	Gmdrm	hypo	CHH	-0.0585
Gm19	39891479	39892465	Gmdrm	hypo	CHH	-0.0257
Gm19	39894108	39895045	Gmdrm	hypo	CHH	-0.0624
Gm19	39895134	39896125	Gmdrm	hypo	CHH	-0.0437
Gm19	39899283	39900217	Gmdrm	hypo	CHH	-0.0422

Gm19	39900301	39900685	Gmdrm	hypo	CHH	-0.0152
Gm19	39903857	39904745	Gmdrm	hypo	CHH	-0.1026
Gm19	39908750	39909730	Gmdrm	hypo	CHH	-0.0846
Gm19	39912475	39913468	Gmdrm	hypo	CHH	-0.0353
Gm19	39920486	39921446	Gmdrm	hypo	CHH	-0.2232
Gm19	39921685	39922683	Gmdrm	hypo	CHH	-0.2015
Gm19	39922686	39923664	Gmdrm	hypo	CHH	-0.1045
Gm19	39938232	39939226	Gmdrm	hypo	CHH	-0.0121
Gm19	39944152	39944574	Gmdrm	hypo	CHH	-0.0287
Gm19	39958211	39959206	Gmdrm	hypo	CHH	-0.0225
Gm19	39959212	39959627	Gmdrm	hypo	CHH	-0.0797
Gm19	39959837	39960830	Gmdrm	hypo	CHH	-0.0175
Gm19	39961333	39961939	Gmdrm	hypo	CHH	-0.036
Gm19	39963287	39964285	Gmdrm	hypo	CHH	-0.0369
Gm19	39974610	39975061	Gmdrm	hypo	CHH	-0.1445
Gm19	39975324	39976324	Gmdrm	hypo	CHH	-0.1291
Gm19	39976336	39977325	Gmdrm	hypo	CHH	-0.0781
Gm19	39979246	39980236	Gmdrm	hypo	CHH	-0.0176
Gm19	39989032	39989311	Gmdrm	hypo	CHH	-0.023
Gm19	39989415	39989575	Gmdrm	hypo	CHH	-0.036
Gm19	39990002	39990177	Gmdrm	hypo	CHH	-0.1993
Gm19	39990432	39991423	Gmdrm	hypo	CHH	-0.0673
Gm19	39994268	39995267	Gmdrm	hypo	CHH	-0.0409
Gm19	40007518	40008517	Gmdrm	hypo	CHH	-0.0294
Gm19	40008523	40009513	Gmdrm	hypo	CHH	-0.0159
Gm19	40022482	40023471	Gmdrm	hypo	CHH	-0.0191
Gm19	40029655	40030598	Gmdrm	hypo	CHH	-0.011
Gm19	40033973	40034971	Gmdrm	hypo	CHH	-0.0782
Gm19	40034987	40035959	Gmdrm	hypo	CHH	-0.0641
Gm19	40047039	40047328	Gmdrm	hypo	CHH	-0.0311
Gm19	40068050	40068734	Gmdrm	hypo	CHH	-0.0272
Gm19	40069905	40070884	Gmdrm	hypo	CHH	-0.0221
Gm19	40070928	40071810	Gmdrm	hypo	CHH	-0.0218
Gm19	40085008	40086006	Gmdrm	hypo	CHH	-0.0441
Gm19	40086011	40087005	Gmdrm	hypo	CHH	-0.1009
Gm19	40095943	40096863	Gmdrm	hypo	CHH	-0.0375
Gm19	40098245	40099234	Gmdrm	hypo	CHH	-0.0277
Gm19	40102008	40103004	Gmdrm	hypo	CHH	-0.0779
Gm19	40105013	40106013	Gmdrm	hypo	CHH	-0.0575
Gm19	40106017	40107003	Gmdrm	hypo	CHH	-0.0697
Gm19	40107043	40108033	Gmdrm	hypo	CHH	-0.0321
Gm19	40108047	40109039	Gmdrm	hypo	CHH	-0.1018
Gm19	40109050	40110046	Gmdrm	hypo	CHH	-0.0569
Gm19	40110052	40111051	Gmdrm	hypo	CHH	-0.0829
Gm19	40111059	40111681	Gmdrm	hypo	CHH	-0.0797
Gm19	40112794	40113790	Gmdrm	hypo	CHH	-0.0182

Gm19	40114712	40115708	Gmdrm	hypo	CHH	-0.0469
Gm19	40116175	40117154	Gmdrm	hypo	CHH	-0.1489
Gm19	40117189	40118176	Gmdrm	hypo	CHH	-0.0741
Gm19	40118199	40119199	Gmdrm	hypo	CHH	-0.1517
Gm19	40119200	40120194	Gmdrm	hypo	CHH	-0.0605
Gm19	40121400	40122324	Gmdrm	hypo	CHH	-0.043
Gm19	40124457	40125453	Gmdrm	hypo	CHH	-0.1448
Gm19	40125458	40126456	Gmdrm	hypo	CHH	-0.0577
Gm19	40130066	40131066	Gmdrm	hypo	CHH	-0.0656
Gm19	40138200	40139200	Gmdrm	hypo	CHH	-0.0451
Gm19	40164103	40165087	Gmdrm	hypo	CHH	-0.031
Gm19	40176536	40177534	Gmdrm	hypo	CHH	-0.1003
Gm19	40177537	40178518	Gmdrm	hypo	CHH	-0.1747
Gm19	40185040	40186028	Gmdrm	hypo	CHH	-0.0197
Gm19	40208898	40209888	Gmdrm	hypo	CHH	-0.0164
Gm19	40216579	40217096	Gmdrm	hypo	CHH	-0.0223
Gm19	40227073	40228004	Gmdrm	hypo	CHH	-0.027
Gm19	40228098	40228806	Gmdrm	hypo	CHH	-0.0285
Gm19	40232832	40233826	Gmdrm	hypo	CHH	-0.0599
Gm19	40233859	40234858	Gmdrm	hypo	CHH	-0.0673
Gm19	40237742	40238711	Gmdrm	hypo	CHH	-0.0158
Gm19	40247417	40248407	Gmdrm	hypo	CHH	-0.0623
Gm19	40252118	40253117	Gmdrm	hypo	CHH	-0.047
Gm19	40253121	40253485	Gmdrm	hypo	CHH	-0.069
Gm19	40261123	40262122	Gmdrm	hypo	CHH	-0.0461
Gm19	40265886	40266871	Gmdrm	hypo	CHH	-0.0108
Gm19	40272205	40273202	Gmdrm	hypo	CHH	-0.0416
Gm19	40273229	40274094	Gmdrm	hypo	CHH	-0.1051
Gm19	40276685	40277683	Gmdrm	hypo	CHH	-0.0142
Gm19	40282643	40283634	Gmdrm	hypo	CHH	-0.0762
Gm19	40283645	40284640	Gmdrm	hypo	CHH	-0.0369
Gm19	40285662	40286657	Gmdrm	hypo	CHH	-0.0846
Gm19	40287699	40288697	Gmdrm	hypo	CHH	-0.1312
Gm19	40288700	40288858	Gmdrm	hypo	CHH	-0.4122
Gm19	40292431	40292633	Gmdrm	hypo	CHH	-0.0323
Gm19	40295033	40295498	Gmdrm	hypo	CHH	-0.0396
Gm19	40310908	40311880	Gmdrm	hypo	CHH	-0.0147
Gm19	40313192	40314191	Gmdrm	hypo	CHH	-0.2727
Gm19	40315234	40316223	Gmdrm	hypo	CHH	-0.0759
Gm19	40316446	40317399	Gmdrm	hypo	CHH	-0.0733
Gm19	40318137	40319059	Gmdrm	hypo	CHH	-0.0232
Gm19	40320178	40321165	Gmdrm	hypo	CHH	-0.0208
Gm19	40340671	40340764	Gmdrm	hypo	CHH	-0.0375
Gm19	40354054	40355053	Gmdrm	hypo	CHH	-0.0153
Gm19	40356075	40356568	Gmdrm	hypo	CHH	-0.0197
Gm19	40356692	40357688	Gmdrm	hypo	CHH	-0.0115

Gm19	40359153	40360151	Gmdrm	hypo	CHH	-0.0473
Gm19	40370013	40371010	Gmdrm	hypo	CHH	-0.0197
Gm19	40371016	40372000	Gmdrm	hypo	CHH	-0.1003
Gm19	40377068	40378059	Gmdrm	hypo	CHH	-0.0625
Gm19	40384614	40385613	Gmdrm	hypo	CHH	-0.0576
Gm19	40385615	40386595	Gmdrm	hypo	CHH	-0.0708
Gm19	40386624	40387622	Gmdrm	hypo	CHH	-0.02
Gm19	40387628	40388622	Gmdrm	hypo	CHH	-0.0631
Gm19	40395150	40396147	Gmdrm	hypo	CHH	-0.076
Gm19	40396151	40397148	Gmdrm	hypo	CHH	-0.1291
Gm19	40405655	40406651	Gmdrm	hypo	CHH	-0.0134
Gm19	40406667	40407653	Gmdrm	hypo	CHH	-0.0275
Gm19	40410227	40410740	Gmdrm	hypo	CHH	-0.3588
Gm19	40413278	40414260	Gmdrm	hypo	CHH	-0.0169
Gm19	40415350	40416320	Gmdrm	hypo	CHH	-0.0148
Gm19	40416373	40417367	Gmdrm	hypo	CHH	-0.0256
Gm19	40452951	40453921	Gmdrm	hypo	CHH	-0.0404
Gm19	40454963	40455910	Gmdrm	hypo	CHH	-0.0495
Gm19	40477519	40478485	Gmdrm	hypo	CHH	-0.0332
Gm19	40478522	40479520	Gmdrm	hypo	CHH	-0.0733
Gm19	40489131	40490131	Gmdrm	hypo	CHH	-0.0227
Gm19	40490149	40490803	Gmdrm	hypo	CHH	-0.0234
Gm19	40491941	40492464	Gmdrm	hypo	CHH	-0.0272
Gm19	40498741	40499738	Gmdrm	hypo	CHH	-0.0203
Gm19	40499746	40500744	Gmdrm	hypo	CHH	-0.0962
Gm19	40500749	40501708	Gmdrm	hypo	CHH	-0.0275
Gm19	40511147	40512131	Gmdrm	hypo	CHH	-0.1126
Gm19	40512149	40513149	Gmdrm	hypo	CHH	-0.045
Gm19	40513156	40514144	Gmdrm	hypo	CHH	-0.0503
Gm19	40514158	40515155	Gmdrm	hypo	CHH	-0.0146
Gm19	40518107	40519106	Gmdrm	hypo	CHH	-0.0049
Gm19	40520130	40521129	Gmdrm	hypo	CHH	-0.0037
Gm19	40521131	40522107	Gmdrm	hypo	CHH	-0.0091
Gm19	40524140	40525138	Gmdrm	hypo	CHH	-0.0317
Gm19	40526143	40527142	Gmdrm	hypo	CHH	-0.0158
Gm19	40533815	40534814	Gmdrm	hypo	CHH	-0.043
Gm19	40542454	40542589	Gmdrm	hypo	CHH	-0.386
Gm19	40542732	40543722	Gmdrm	hypo	CHH	-0.1186
Gm19	40545822	40545994	Gmdrm	hypo	CHH	-0.0406
Gm19	40554520	40555513	Gmdrm	hypo	CHH	-0.0411
Gm19	40555525	40556494	Gmdrm	hypo	CHH	-0.0495
Gm19	40565989	40566984	Gmdrm	hypo	CHH	-0.062
Gm19	40572903	40573880	Gmdrm	hypo	CHH	-0.147
Gm19	40573904	40573995	Gmdrm	hypo	CHH	-0.2853
Gm19	40574154	40575150	Gmdrm	hypo	CHH	-0.1188
Gm19	40575174	40575779	Gmdrm	hypo	CHH	-0.1766

Gm19	40575885	40576846	Gmdrm	hypo	CHH	-0.0192
Gm19	40581833	40582819	Gmdrm	hypo	CHH	-0.0221
Gm19	40587191	40588173	Gmdrm	hypo	CHH	-0.0431
Gm19	40594118	40595118	Gmdrm	hypo	CHH	-0.1203
Gm19	40595127	40596125	Gmdrm	hypo	CHH	-0.1441
Gm19	40601114	40601380	Gmdrm	hypo	CHH	-0.0393
Gm19	40602509	40603469	Gmdrm	hypo	CHH	-0.0175
Gm19	40608339	40609224	Gmdrm	hypo	CHH	-0.0318
Gm19	40622731	40623727	Gmdrm	hypo	CHH	-0.0356
Gm19	40623736	40624730	Gmdrm	hypo	CHH	-0.079
Gm19	40632412	40633405	Gmdrm	hypo	CHH	-0.0174
Gm19	40637447	40638446	Gmdrm	hypo	CHH	-0.015
Gm19	40639485	40640480	Gmdrm	hypo	CHH	-0.0306
Gm19	40640486	40641479	Gmdrm	hypo	CHH	-0.0404
Gm19	40644008	40645008	Gmdrm	hypo	CHH	-0.1494
Gm19	40645036	40646033	Gmdrm	hypo	CHH	-0.0731
Gm19	40649460	40650414	Gmdrm	hypo	CHH	-0.0177
Gm19	40665300	40665914	Gmdrm	hypo	CHH	-0.0106
Gm19	40669964	40670956	Gmdrm	hypo	CHH	-0.0125
Gm19	40686648	40687597	Gmdrm	hypo	CHH	-0.0281
Gm19	40690064	40691058	Gmdrm	hypo	CHH	-0.1412
Gm19	40691066	40692063	Gmdrm	hypo	CHH	-0.0723
Gm19	40708093	40708894	Gmdrm	hypo	CHH	-0.0134
Gm19	40722257	40723239	Gmdrm	hypo	CHH	-0.0137
Gm19	40724264	40724940	Gmdrm	hypo	CHH	-0.1159
Gm19	40725949	40726784	Gmdrm	hypo	CHH	-0.3485
Gm19	40728280	40729278	Gmdrm	hypo	CHH	-0.0183
Gm19	40733887	40734880	Gmdrm	hypo	CHH	-0.0722
Gm19	40734888	40735883	Gmdrm	hypo	CHH	-0.0438
Gm19	40735928	40736894	Gmdrm	hypo	CHH	-0.0188
Gm19	40736938	40737935	Gmdrm	hypo	CHH	-0.1466
Gm19	40737947	40738943	Gmdrm	hypo	CHH	-0.1332
Gm19	40739970	40740964	Gmdrm	hypo	CHH	-0.0529
Gm19	40740975	40741960	Gmdrm	hypo	CHH	-0.1488
Gm19	40743467	40744460	Gmdrm	hypo	CHH	-0.189
Gm19	40744475	40745473	Gmdrm	hypo	CHH	-0.2005
Gm19	40762576	40763574	Gmdrm	hypo	CHH	-0.0135
Gm19	40763582	40764580	Gmdrm	hypo	CHH	-0.2067
Gm19	40764585	40765580	Gmdrm	hypo	CHH	-0.2559
Gm19	40766601	40767599	Gmdrm	hypo	CHH	-0.0146
Gm19	40790340	40791310	Gmdrm	hypo	CHH	-0.1593
Gm19	40791488	40791742	Gmdrm	hypo	CHH	-0.0464
Gm19	40791850	40792455	Gmdrm	hypo	CHH	-0.1031
Gm19	40795648	40796183	Gmdrm	hypo	CHH	-0.0405
Gm19	40815512	40816492	Gmdrm	hypo	CHH	-0.0276
Gm19	40826632	40827614	Gmdrm	hypo	CHH	-0.0682

Gm19	40827644	40828630	Gmdrm	hypo	CHH	-0.0157
Gm19	40838294	40839293	Gmdrm	hypo	CHH	-0.0166
Gm19	40841304	40842301	Gmdrm	hypo	CHH	-0.0166
Gm19	40844434	40845388	Gmdrm	hypo	CHH	-0.0242
Gm19	40848830	40849819	Gmdrm	hypo	CHH	-0.0279
Gm19	40862720	40863706	Gmdrm	hypo	CHH	-0.0363
Gm19	40864481	40865478	Gmdrm	hypo	CHH	-0.0193
Gm19	40865484	40866472	Gmdrm	hypo	CHH	-0.0988
Gm19	40869721	40869817	Gmdrm	hypo	CHH	-0.04
Gm19	40874324	40875309	Gmdrm	hypo	CHH	-0.017
Gm19	40881359	40882132	Gmdrm	hypo	CHH	-0.2732
Gm19	40882267	40883260	Gmdrm	hypo	CHH	-0.0238
Gm19	40888439	40889425	Gmdrm	hypo	CHH	-0.0673
Gm19	40890488	40891484	Gmdrm	hypo	CHH	-0.0111
Gm19	40916608	40917566	Gmdrm	hypo	CHH	-0.0149
Gm19	40927396	40928395	Gmdrm	hypo	CHH	-0.015
Gm19	40932375	40933370	Gmdrm	hypo	CHH	-0.0107
Gm19	40933376	40934365	Gmdrm	hypo	CHH	-0.0109
Gm19	40934407	40935403	Gmdrm	hypo	CHH	-0.0466
Gm19	40935409	40936160	Gmdrm	hypo	CHH	-0.1189
Gm19	40954410	40955409	Gmdrm	hypo	CHH	-0.2834
Gm19	40955412	40956411	Gmdrm	hypo	CHH	-0.0224
Gm19	40963380	40963695	Gmdrm	hypo	CHH	-0.0954
Gm19	40969044	40970039	Gmdrm	hypo	CHH	-0.0253
Gm19	40970052	40971047	Gmdrm	hypo	CHH	-0.0241
Gm19	40978933	40979930	Gmdrm	hypo	CHH	-0.0255
Gm19	40979945	40980939	Gmdrm	hypo	CHH	-0.0332
Gm19	40980950	40981926	Gmdrm	hypo	CHH	-0.1062
Gm19	40981956	40982952	Gmdrm	hypo	CHH	-0.1428
Gm19	40986037	40987028	Gmdrm	hypo	CHH	-0.0136
Gm19	40988064	40989062	Gmdrm	hypo	CHH	-0.1032
Gm19	40994355	40995351	Gmdrm	hypo	CHH	-0.0322
Gm19	40996376	40996892	Gmdrm	hypo	CHH	-0.0265
Gm19	41000719	41001715	Gmdrm	hypo	CHH	-0.0531
Gm19	41001734	41002721	Gmdrm	hypo	CHH	-0.143
Gm19	41002738	41003738	Gmdrm	hypo	CHH	-0.1213
Gm19	41003744	41004740	Gmdrm	hypo	CHH	-0.1085
Gm19	41004752	41005748	Gmdrm	hypo	CHH	-0.1399
Gm19	41005758	41006758	Gmdrm	hypo	CHH	-0.013
Gm19	41007818	41008807	Gmdrm	hypo	CHH	-0.0246
Gm19	41012173	41013143	Gmdrm	hypo	CHH	-0.0893
Gm19	41015754	41016724	Gmdrm	hypo	CHH	-0.0167
Gm19	41018738	41019705	Gmdrm	hypo	CHH	-0.0195
Gm19	41023469	41024418	Gmdrm	hypo	CHH	-0.0335
Gm19	41030328	41031286	Gmdrm	hypo	CHH	-0.1128
Gm19	41031333	41031760	Gmdrm	hypo	CHH	-0.2005

Gm19	41035619	41036594	Gmdrm	hypo	CHH	-0.0192
Gm19	41050442	41051048	Gmdrm	hypo	CHH	-0.0397
Gm19	41059988	41060986	Gmdrm	hypo	CHH	-0.0266
Gm19	41063081	41064069	Gmdrm	hypo	CHH	-0.0131
Gm19	41068217	41069212	Gmdrm	hypo	CHH	-0.1309
Gm19	41077415	41078414	Gmdrm	hypo	CHH	-0.0198
Gm19	41078423	41079377	Gmdrm	hypo	CHH	-0.0512
Gm19	41081280	41082243	Gmdrm	hypo	CHH	-0.0134
Gm19	41085391	41086382	Gmdrm	hypo	CHH	-0.0256
Gm19	41097289	41098289	Gmdrm	hypo	CHH	-0.0152
Gm19	41105801	41106799	Gmdrm	hypo	CHH	-0.1157
Gm19	41110838	41111836	Gmdrm	hypo	CHH	-0.0476
Gm19	41114393	41115385	Gmdrm	hypo	CHH	-0.0166
Gm19	41121886	41122880	Gmdrm	hypo	CHH	-0.1094
Gm19	41137367	41138367	Gmdrm	hypo	CHH	-0.1367
Gm19	41142329	41142895	Gmdrm	hypo	CHH	-0.0328
Gm19	41144894	41145892	Gmdrm	hypo	CHH	-0.0885
Gm19	41145897	41146897	Gmdrm	hypo	CHH	-0.1343
Gm19	41146898	41147860	Gmdrm	hypo	CHH	-0.0393
Gm19	41148919	41149919	Gmdrm	hypo	CHH	-0.0292
Gm19	41149921	41150904	Gmdrm	hypo	CHH	-0.0428
Gm19	41150926	41151909	Gmdrm	hypo	CHH	-0.0178
Gm19	41154390	41155387	Gmdrm	hypo	CHH	-0.024
Gm19	41156216	41156469	Gmdrm	hypo	CHH	-0.0538
Gm19	41174478	41175469	Gmdrm	hypo	CHH	-0.0106
Gm19	41193031	41194029	Gmdrm	hypo	CHH	-0.0343
Gm19	41194035	41194856	Gmdrm	hypo	CHH	-0.1516
Gm19	41205275	41206271	Gmdrm	hypo	CHH	-0.1437
Gm19	41217273	41218270	Gmdrm	hypo	CHH	-0.1037
Gm19	41218287	41219272	Gmdrm	hypo	CHH	-0.0753
Gm19	41223828	41224800	Gmdrm	hypo	CHH	-0.0203
Gm19	41226728	41227263	Gmdrm	hypo	CHH	-0.0345
Gm19	41227375	41228373	Gmdrm	hypo	CHH	-0.076
Gm19	41228385	41229351	Gmdrm	hypo	CHH	-0.0217
Gm19	41231686	41232686	Gmdrm	hypo	CHH	-0.0395
Gm19	41233707	41234697	Gmdrm	hypo	CHH	-0.0145
Gm19	41236738	41237731	Gmdrm	hypo	CHH	-0.0577
Gm19	41242776	41243776	Gmdrm	hypo	CHH	-0.0206
Gm19	41249753	41250728	Gmdrm	hypo	CHH	-0.0292
Gm19	41250756	41251723	Gmdrm	hypo	CHH	-0.0105
Gm19	41260851	41261818	Gmdrm	hypo	CHH	-0.0359
Gm19	41288914	41289897	Gmdrm	hypo	CHH	-0.1975
Gm19	41292285	41292461	Gmdrm	hypo	CHH	-0.0707
Gm19	41297709	41298698	Gmdrm	hypo	CHH	-0.0476
Gm19	41298720	41299714	Gmdrm	hypo	CHH	-0.0664
Gm19	41299723	41300698	Gmdrm	hypo	CHH	-0.0648

Gm19	41302773	41303772	Gmdrm	hypo	CHH	-0.0644
Gm19	41308228	41309184	Gmdrm	hypo	CHH	-0.0158
Gm19	41309563	41310560	Gmdrm	hypo	CHH	-0.0413
Gm19	41310582	41311581	Gmdrm	hypo	CHH	-0.0202
Gm19	41311585	41312576	Gmdrm	hypo	CHH	-0.0455
Gm19	41324489	41325412	Gmdrm	hypo	CHH	-0.0221
Gm19	41325662	41326660	Gmdrm	hypo	CHH	-0.1283
Gm19	41326664	41327286	Gmdrm	hypo	CHH	-0.1842
Gm19	41331249	41332244	Gmdrm	hypo	CHH	-0.0147
Gm19	41334823	41335815	Gmdrm	hypo	CHH	-0.0118
Gm19	41341063	41341603	Gmdrm	hypo	CHH	-0.0242
Gm19	41342026	41342655	Gmdrm	hypo	CHH	-0.0253
Gm19	41346051	41346634	Gmdrm	hypo	CHH	-0.0217
Gm19	41346776	41347775	Gmdrm	hypo	CHH	-0.0137
Gm19	41348804	41349759	Gmdrm	hypo	CHH	-0.0175
Gm19	41357384	41358379	Gmdrm	hypo	CHH	-0.0157
Gm19	41362755	41363753	Gmdrm	hypo	CHH	-0.1219
Gm19	41363783	41364742	Gmdrm	hypo	CHH	-0.041
Gm19	41364828	41365808	Gmdrm	hypo	CHH	-0.0105
Gm19	41365846	41366832	Gmdrm	hypo	CHH	-0.0422
Gm19	41367854	41368854	Gmdrm	hypo	CHH	-0.2941
Gm19	41389025	41390019	Gmdrm	hypo	CHH	-0.0393
Gm19	41401598	41402576	Gmdrm	hypo	CHH	-0.1033
Gm19	41409517	41410509	Gmdrm	hypo	CHH	-0.1995
Gm19	41416647	41417631	Gmdrm	hypo	CHH	-0.038
Gm19	41436423	41437397	Gmdrm	hypo	CHH	-0.0844
Gm19	41438435	41439432	Gmdrm	hypo	CHH	-0.0547
Gm19	41445314	41446296	Gmdrm	hypo	CHH	-0.0211
Gm19	41450745	41451687	Gmdrm	hypo	CHH	-0.0193
Gm19	41462622	41463304	Gmdrm	hypo	CHH	-0.0312
Gm19	41465607	41466604	Gmdrm	hypo	CHH	-0.0247
Gm19	41466609	41467589	Gmdrm	hypo	CHH	-0.0301
Gm19	41469658	41470640	Gmdrm	hypo	CHH	-0.0215
Gm19	41478994	41479642	Gmdrm	hypo	CHH	-0.0146
Gm19	41480707	41481707	Gmdrm	hypo	CHH	-0.0133
Gm19	41523164	41523442	Gmdrm	hypo	CHH	-0.0805
Gm19	41536581	41537581	Gmdrm	hypo	CHH	-0.0614
Gm19	41537841	41538664	Gmdrm	hypo	CHH	-0.051
Gm19	41551616	41552556	Gmdrm	hypo	CHH	-0.0151
Gm19	41559731	41560728	Gmdrm	hypo	CHH	-0.1891
Gm19	41560754	41561159	Gmdrm	hypo	CHH	-0.3816
Gm19	41561266	41561869	Gmdrm	hypo	CHH	-0.1897
Gm19	41567615	41568614	Gmdrm	hypo	CHH	-0.1701
Gm19	41568620	41569264	Gmdrm	hypo	CHH	-0.3873
Gm19	41572074	41573074	Gmdrm	hypo	CHH	-0.0238
Gm19	41573075	41574066	Gmdrm	hypo	CHH	-0.02

Gm19	41574079	41575071 Gmdrm	hypo	CHH	-0.0097
Gm19	41575086	41576072 Gmdrm	hypo	CHH	-0.0208
Gm19	41576091	41577090 Gmdrm	hypo	CHH	-0.1096
Gm19	41580126	41581126 Gmdrm	hypo	CHH	-0.0267
Gm19	41583475	41584473 Gmdrm	hypo	CHH	-0.0373
Gm19	41590291	41591262 Gmdrm	hypo	CHH	-0.0808
Gm19	41592307	41593301 Gmdrm	hypo	CHH	-0.033
Gm19	41593314	41594287 Gmdrm	hypo	CHH	-0.0572
Gm19	41597037	41597353 Gmdrm	hypo	CHH	-0.2414
Gm19	41600509	41601501 Gmdrm	hypo	CHH	-0.0411
Gm19	41606531	41607524 Gmdrm	hypo	CHH	-0.0937
Gm19	41607541	41608539 Gmdrm	hypo	CHH	-0.0441
Gm19	41612533	41613508 Gmdrm	hypo	CHH	-0.0143
Gm19	41614549	41615539 Gmdrm	hypo	CHH	-0.1046
Gm19	41619645	41620645 Gmdrm	hypo	CHH	-0.01
Gm19	41622191	41623191 Gmdrm	hypo	CHH	-0.2871
Gm19	41623630	41624586 Gmdrm	hypo	CHH	-0.0344
Gm19	41626023	41626822 Gmdrm	hypo	CHH	-0.0494
Gm19	41642463	41643456 Gmdrm	hypo	CHH	-0.0352
Gm19	41643464	41644116 Gmdrm	hypo	CHH	-0.0619
Gm19	41649734	41650734 Gmdrm	hypo	CHH	-0.0226
Gm19	41653762	41654748 Gmdrm	hypo	CHH	-0.0402
Gm19	41656811	41656847 Gmdrm	hypo	CHH	-0.0528
Gm19	41670289	41671034 Gmdrm	hypo	CHH	-0.0136
Gm19	41676571	41677568 Gmdrm	hypo	CHH	-0.0289
Gm19	41677572	41678563 Gmdrm	hypo	CHH	-0.0845
Gm19	41681905	41682593 Gmdrm	hypo	CHH	-0.0345
Gm19	41682737	41683708 Gmdrm	hypo	CHH	-0.2966
Gm19	41685252	41686241 Gmdrm	hypo	CHH	-0.0249
Gm19	41698182	41699181 Gmdrm	hypo	CHH	-0.2085
Gm19	41699186	41700182 Gmdrm	hypo	CHH	-0.0942
Gm19	41700195	41701191 Gmdrm	hypo	CHH	-0.2517
Gm19	41701646	41702640 Gmdrm	hypo	CHH	-0.0738
Gm19	41702647	41703296 Gmdrm	hypo	CHH	-0.03
Gm19	41703398	41704391 Gmdrm	hypo	CHH	-0.0259
Gm19	41704402	41705402 Gmdrm	hypo	CHH	-0.0105
Gm19	41729049	41730039 Gmdrm	hypo	CHH	-0.0189
Gm19	41741180	41742179 Gmdrm	hypo	CHH	-0.0114
Gm19	41742218	41743186 Gmdrm	hypo	CHH	-0.0554
Gm19	41746593	41746895 Gmdrm	hypo	CHH	-0.0245
Gm19	41750423	41751399 Gmdrm	hypo	CHH	-0.0212
Gm19	41759364	41760338 Gmdrm	hypo	CHH	-0.1283
Gm19	41763311	41763662 Gmdrm	hypo	CHH	-0.0417
Gm19	41764260	41765257 Gmdrm	hypo	CHH	-0.1764
Gm19	41765269	41766263 Gmdrm	hypo	CHH	-0.0245
Gm19	41766274	41767265 Gmdrm	hypo	CHH	-0.0398

Gm19	41767306	41768296	Gmdrm	hypo	CHH	-0.0617
Gm19	41773691	41774688	Gmdrm	hypo	CHH	-0.1452
Gm19	41779076	41780075	Gmdrm	hypo	CHH	-0.0394
Gm19	41780080	41781074	Gmdrm	hypo	CHH	-0.046
Gm19	41790657	41791648	Gmdrm	hypo	CHH	-0.0148
Gm19	41793515	41794513	Gmdrm	hypo	CHH	-0.0107
Gm19	41799043	41800014	Gmdrm	hypo	CHH	-0.0392
Gm19	41819405	41820384	Gmdrm	hypo	CHH	-0.0277
Gm19	41820411	41821354	Gmdrm	hypo	CHH	-0.0177
Gm19	41823953	41824738	Gmdrm	hypo	CHH	-0.0391
Gm19	41828198	41829169	Gmdrm	hypo	CHH	-0.0265
Gm19	41845594	41846591	Gmdrm	hypo	CHH	-0.1084
Gm19	41848618	41848854	Gmdrm	hypo	CHH	-0.0487
Gm19	41850234	41851193	Gmdrm	hypo	CHH	-0.1767
Gm19	41851259	41852252	Gmdrm	hypo	CHH	-0.0163
Gm19	41852288	41853270	Gmdrm	hypo	CHH	-0.1461
Gm19	41853289	41854225	Gmdrm	hypo	CHH	-0.121
Gm19	41857294	41857431	Gmdrm	hypo	CHH	-0.0343
Gm19	41902555	41903523	Gmdrm	hypo	CHH	-0.0138
Gm19	41912311	41913275	Gmdrm	hypo	CHH	-0.0125
Gm19	41914501	41915500	Gmdrm	hypo	CHH	-0.1057
Gm19	41915505	41916419	Gmdrm	hypo	CHH	-0.1136
Gm19	41916545	41917200	Gmdrm	hypo	CHH	-0.0237
Gm19	41920408	41921389	Gmdrm	hypo	CHH	-0.016
Gm19	41937939	41938924	Gmdrm	hypo	CHH	-0.0378
Gm19	41940981	41941977	Gmdrm	hypo	CHH	-0.0173
Gm19	41949161	41950158	Gmdrm	hypo	CHH	-0.0225
Gm19	41956649	41957612	Gmdrm	hypo	CHH	-0.0171
Gm19	41957651	41958192	Gmdrm	hypo	CHH	-0.0324
Gm19	41959339	41960339	Gmdrm	hypo	CHH	-0.0292
Gm19	41961389	41962380	Gmdrm	hypo	CHH	-0.0404
Gm19	41962469	41963455	Gmdrm	hypo	CHH	-0.0242
Gm19	41967878	41968876	Gmdrm	hypo	CHH	-0.16
Gm19	41976315	41977310	Gmdrm	hypo	CHH	-0.0211
Gm19	41985784	41986312	Gmdrm	hypo	CHH	-0.0351
Gm19	41991583	41992495	Gmdrm	hypo	CHH	-0.0147
Gm19	41992586	41993585	Gmdrm	hypo	CHH	-0.0178
Gm19	42002802	42003218	Gmdrm	hypo	CHH	-0.03
Gm19	42013275	42014135	Gmdrm	hypo	CHH	-0.0688
Gm19	42028352	42029334	Gmdrm	hypo	CHH	-0.2131
Gm19	42041394	42042386	Gmdrm	hypo	CHH	-0.0488
Gm19	42042404	42042865	Gmdrm	hypo	CHH	-0.0264
Gm19	42045405	42046394	Gmdrm	hypo	CHH	-0.108
Gm19	42059580	42060580	Gmdrm	hypo	CHH	-0.0838
Gm19	42082059	42082125	Gmdrm	hypo	CHH	-0.042
Gm19	42082424	42082752	Gmdrm	hypo	CHH	-0.0676

Gm19	42097538	42098494	Gmdrm	hypo	CHH	-0.0126
Gm19	42100774	42101755	Gmdrm	hypo	CHH	-0.0161
Gm19	42119158	42120156	Gmdrm	hypo	CHH	-0.1056
Gm19	42120161	42121130	Gmdrm	hypo	CHH	-0.07
Gm19	42127439	42128433	Gmdrm	hypo	CHH	-0.0143
Gm19	42132941	42133673	Gmdrm	hypo	CHH	-0.0382
Gm19	42136826	42137778	Gmdrm	hypo	CHH	-0.0756
Gm19	42137842	42138842	Gmdrm	hypo	CHH	-0.0402
Gm19	42153388	42154384	Gmdrm	hypo	CHH	-0.0794
Gm19	42154411	42155409	Gmdrm	hypo	CHH	-0.0416
Gm19	42158477	42159477	Gmdrm	hypo	CHH	-0.0314
Gm19	42159478	42160467	Gmdrm	hypo	CHH	-0.0713
Gm19	42160488	42161485	Gmdrm	hypo	CHH	-0.0616
Gm19	42163588	42164583	Gmdrm	hypo	CHH	-0.2612
Gm19	42170651	42171254	Gmdrm	hypo	CHH	-0.0205
Gm19	42177562	42178557	Gmdrm	hypo	CHH	-0.0132
Gm19	42183297	42184102	Gmdrm	hypo	CHH	-0.019
Gm19	42184360	42185360	Gmdrm	hypo	CHH	-0.0403
Gm19	42185370	42186368	Gmdrm	hypo	CHH	-0.0665
Gm19	42186372	42187339	Gmdrm	hypo	CHH	-0.0456
Gm19	42196384	42197384	Gmdrm	hypo	CHH	-0.03
Gm19	42197385	42198376	Gmdrm	hypo	CHH	-0.0747
Gm19	42199734	42200734	Gmdrm	hypo	CHH	-0.0236
Gm19	42219753	42220596	Gmdrm	hypo	CHH	-0.0165
Gm19	42222289	42223271	Gmdrm	hypo	CHH	-0.1378
Gm19	42223293	42224290	Gmdrm	hypo	CHH	-0.085
Gm19	42224304	42225293	Gmdrm	hypo	CHH	-0.0145
Gm19	42227317	42228314	Gmdrm	hypo	CHH	-0.1702
Gm19	42231739	42231922	Gmdrm	hypo	CHH	-0.04
Gm19	42264576	42265568	Gmdrm	hypo	CHH	-0.0449
Gm19	42270120	42271100	Gmdrm	hypo	CHH	-0.0175
Gm19	42271133	42272129	Gmdrm	hypo	CHH	-0.0374
Gm19	42275174	42276172	Gmdrm	hypo	CHH	-0.0285
Gm19	42281401	42282400	Gmdrm	hypo	CHH	-0.0751
Gm19	42282422	42283390	Gmdrm	hypo	CHH	-0.0711
Gm19	42289659	42290576	Gmdrm	hypo	CHH	-0.0368
Gm19	42298148	42299147	Gmdrm	hypo	CHH	-0.0209
Gm19	42299153	42299710	Gmdrm	hypo	CHH	-0.0147
Gm19	42304784	42305354	Gmdrm	hypo	CHH	-0.0292
Gm19	42311983	42312983	Gmdrm	hypo	CHH	-0.0689
Gm19	42321577	42322576	Gmdrm	hypo	CHH	-0.0525
Gm19	42322592	42323590	Gmdrm	hypo	CHH	-0.0989
Gm19	42323626	42324590	Gmdrm	hypo	CHH	-0.0196
Gm19	42326925	42327919	Gmdrm	hypo	CHH	-0.0186
Gm19	42327934	42328933	Gmdrm	hypo	CHH	-0.02
Gm19	42331967	42332953	Gmdrm	hypo	CHH	-0.0097

Gm19	42335796	42336781	Gmdrm	hypo	CHH	-0.033
Gm19	42346603	42347598	Gmdrm	hypo	CHH	-0.033
Gm19	42355226	42356218	Gmdrm	hypo	CHH	-0.0231
Gm19	42367697	42368689	Gmdrm	hypo	CHH	-0.1969
Gm19	42368701	42369698	Gmdrm	hypo	CHH	-0.1141
Gm19	42369747	42370747	Gmdrm	hypo	CHH	-0.0258
Gm19	42383393	42383688	Gmdrm	hypo	CHH	-0.0691
Gm19	42389351	42389715	Gmdrm	hypo	CHH	-0.0207
Gm19	42413937	42414935	Gmdrm	hypo	CHH	-0.1524
Gm19	42414942	42415915	Gmdrm	hypo	CHH	-0.13
Gm19	42418035	42419025	Gmdrm	hypo	CHH	-0.0143
Gm19	42420048	42421029	Gmdrm	hypo	CHH	-0.1083
Gm19	42421052	42422023	Gmdrm	hypo	CHH	-0.0668
Gm19	42428717	42429717	Gmdrm	hypo	CHH	-0.0346
Gm19	42429723	42430177	Gmdrm	hypo	CHH	-0.0463
Gm19	42461628	42462598	Gmdrm	hypo	CHH	-0.0249
Gm19	42464806	42465798	Gmdrm	hypo	CHH	-0.044
Gm19	42465875	42466865	Gmdrm	hypo	CHH	-0.0297
Gm19	42471036	42472031	Gmdrm	hypo	CHH	-0.1194
Gm19	42486318	42486889	Gmdrm	hypo	CHH	-0.03
Gm19	42493576	42494540	Gmdrm	hypo	CHH	-0.0365
Gm19	42495794	42496785	Gmdrm	hypo	CHH	-0.0126
Gm19	42496796	42497779	Gmdrm	hypo	CHH	-0.0163
Gm19	42502124	42503117	Gmdrm	hypo	CHH	-0.0329
Gm19	42507423	42508422	Gmdrm	hypo	CHH	-0.0189
Gm19	42509442	42510442	Gmdrm	hypo	CHH	-0.168
Gm19	42510447	42511441	Gmdrm	hypo	CHH	-0.1729
Gm19	42511448	42512443	Gmdrm	hypo	CHH	-0.0133
Gm19	42513473	42514473	Gmdrm	hypo	CHH	-0.0796
Gm19	42529760	42530758	Gmdrm	hypo	CHH	-0.0815
Gm19	42534780	42535772	Gmdrm	hypo	CHH	-0.0703
Gm19	42545209	42546205	Gmdrm	hypo	CHH	-0.15
Gm19	42547862	42548021	Gmdrm	hypo	CHH	-0.023
Gm19	42549367	42550347	Gmdrm	hypo	CHH	-0.0223
Gm19	42554271	42554583	Gmdrm	hypo	CHH	-0.0485
Gm19	42558847	42559104	Gmdrm	hypo	CHH	-0.1233
Gm19	42561319	42562257	Gmdrm	hypo	CHH	-0.0326
Gm19	42563647	42564078	Gmdrm	hypo	CHH	-0.019
Gm19	42566501	42567441	Gmdrm	hypo	CHH	-0.0614
Gm19	42568744	42569744	Gmdrm	hypo	CHH	-0.0197
Gm19	42580367	42580675	Gmdrm	hypo	CHH	-0.0161
Gm19	42592703	42593689	Gmdrm	hypo	CHH	-0.0241
Gm19	42601148	42602145	Gmdrm	hypo	CHH	-0.0648
Gm19	42605155	42606128	Gmdrm	hypo	CHH	-0.0192
Gm19	42606830	42607828	Gmdrm	hypo	CHH	-0.1615
Gm19	42607838	42608825	Gmdrm	hypo	CHH	-0.1522

Gm19	42625148	42625905	Gmdrm	hypo	CHH	-0.013
Gm19	42639270	42640232	Gmdrm	hypo	CHH	-0.0119
Gm19	42640271	42640516	Gmdrm	hypo	CHH	-0.0208
Gm19	42666298	42667296	Gmdrm	hypo	CHH	-0.0304
Gm19	42669349	42670324	Gmdrm	hypo	CHH	-0.1984
Gm19	42671408	42672407	Gmdrm	hypo	CHH	-0.0522
Gm19	42674531	42674585	Gmdrm	hypo	CHH	-0.066
Gm19	42685859	42686833	Gmdrm	hypo	CHH	-0.0252
Gm19	42687896	42688895	Gmdrm	hypo	CHH	-0.0625
Gm19	42688897	42689896	Gmdrm	hypo	CHH	-0.082
Gm19	42689914	42690911	Gmdrm	hypo	CHH	-0.1893
Gm19	42692846	42693827	Gmdrm	hypo	CHH	-0.0138
Gm19	42695050	42696028	Gmdrm	hypo	CHH	-0.0185
Gm19	42708658	42709636	Gmdrm	hypo	CHH	-0.0179
Gm19	42709659	42710657	Gmdrm	hypo	CHH	-0.0251
Gm19	42710662	42711662	Gmdrm	hypo	CHH	-0.1026
Gm19	42711668	42712637	Gmdrm	hypo	CHH	-0.2778
Gm19	42724050	42725045	Gmdrm	hypo	CHH	-0.0639
Gm19	42725054	42725886	Gmdrm	hypo	CHH	-0.1214
Gm19	42735672	42736439	Gmdrm	hypo	CHH	-0.0471
Gm19	42740242	42740915	Gmdrm	hypo	CHH	-0.0261
Gm19	42744170	42745167	Gmdrm	hypo	CHH	-0.1071
Gm19	42745171	42745793	Gmdrm	hypo	CHH	-0.1309
Gm19	42758685	42758888	Gmdrm	hypo	CHH	-0.0489
Gm19	42763550	42764501	Gmdrm	hypo	CHH	-0.0507
Gm19	42771552	42771853	Gmdrm	hypo	CHH	-0.0864
Gm19	42787754	42788751	Gmdrm	hypo	CHH	-0.0329
Gm19	42792458	42792715	Gmdrm	hypo	CHH	-0.04
Gm19	42803666	42804604	Gmdrm	hypo	CHH	-0.0174
Gm19	42804703	42805692	Gmdrm	hypo	CHH	-0.0284
Gm19	42811911	42812911	Gmdrm	hypo	CHH	-0.0269
Gm19	42815346	42816346	Gmdrm	hypo	CHH	-0.0259
Gm19	42821813	42822780	Gmdrm	hypo	CHH	-0.0942
Gm19	42825854	42826834	Gmdrm	hypo	CHH	-0.0536
Gm19	42837706	42838705	Gmdrm	hypo	CHH	-0.0659
Gm19	42847678	42848668	Gmdrm	hypo	CHH	-0.0998
Gm19	42883699	42884699	Gmdrm	hypo	CHH	-0.0186
Gm19	42888619	42889604	Gmdrm	hypo	CHH	-0.1427
Gm19	42889624	42890459	Gmdrm	hypo	CHH	-0.0823
Gm19	42897173	42898139	Gmdrm	hypo	CHH	-0.0422
Gm19	42903262	42904249	Gmdrm	hypo	CHH	-0.017
Gm19	42904287	42905262	Gmdrm	hypo	CHH	-0.0359
Gm19	42915461	42916328	Gmdrm	hypo	CHH	-0.0244
Gm19	42916663	42917645	Gmdrm	hypo	CHH	-0.0487
Gm19	42917674	42918668	Gmdrm	hypo	CHH	-0.0379
Gm19	42918682	42919658	Gmdrm	hypo	CHH	-0.0209

Gm19	42920491	42921476	Gmdrm	hypo	CHH	-0.0143
Gm19	42921504	42922496	Gmdrm	hypo	CHH	-0.0335
Gm19	42929524	42930521	Gmdrm	hypo	CHH	-0.0245
Gm19	42943847	42944843	Gmdrm	hypo	CHH	-0.0239
Gm19	42956767	42957132	Gmdrm	hypo	CHH	-0.0527
Gm19	42957648	42958641	Gmdrm	hypo	CHH	-0.0858
Gm19	42966365	42966599	Gmdrm	hypo	CHH	-0.0687
Gm19	42967523	42968520	Gmdrm	hypo	CHH	-0.0386
Gm19	42968526	42969523	Gmdrm	hypo	CHH	-0.02
Gm19	42972817	42973798	Gmdrm	hypo	CHH	-0.1712
Gm19	42977682	42978679	Gmdrm	hypo	CHH	-0.0513
Gm19	42992101	42993100	Gmdrm	hypo	CHH	-0.0546
Gm19	43002118	43002293	Gmdrm	hypo	CHH	-0.0789
Gm19	43002459	43002891	Gmdrm	hypo	CHH	-0.028
Gm19	43014033	43014839	Gmdrm	hypo	CHH	-0.0239
Gm19	43018013	43018794	Gmdrm	hypo	CHH	-0.024
Gm19	43019430	43020427	Gmdrm	hypo	CHH	-0.0497
Gm19	43021374	43022359	Gmdrm	hypo	CHH	-0.0269
Gm19	43026415	43027413	Gmdrm	hypo	CHH	-0.1305
Gm19	43027417	43028414	Gmdrm	hypo	CHH	-0.1413
Gm19	43060385	43061341	Gmdrm	hypo	CHH	-0.0539
Gm19	43063422	43064376	Gmdrm	hypo	CHH	-0.0209
Gm19	43066087	43067086	Gmdrm	hypo	CHH	-0.2486
Gm19	43067089	43068089	Gmdrm	hypo	CHH	-0.0356
Gm19	43068168	43069164	Gmdrm	hypo	CHH	-0.134
Gm19	43069174	43070171	Gmdrm	hypo	CHH	-0.0511
Gm19	43070179	43071167	Gmdrm	hypo	CHH	-0.065
Gm19	43073993	43074982	Gmdrm	hypo	CHH	-0.0205
Gm19	43075010	43075801	Gmdrm	hypo	CHH	-0.0514
Gm19	43082341	43083335	Gmdrm	hypo	CHH	-0.0287
Gm19	43083354	43084344	Gmdrm	hypo	CHH	-0.0098
Gm19	43086304	43087219	Gmdrm	hypo	CHH	-0.0185
Gm19	43094377	43095373	Gmdrm	hypo	CHH	-0.0117
Gm19	43095383	43096015	Gmdrm	hypo	CHH	-0.02
Gm19	43101888	43102764	Gmdrm	hypo	CHH	-0.077
Gm19	43103938	43104444	Gmdrm	hypo	CHH	-0.0941
Gm19	43107565	43108562	Gmdrm	hypo	CHH	-0.0175
Gm19	43110508	43111503	Gmdrm	hypo	CHH	-0.142
Gm19	43111511	43112206	Gmdrm	hypo	CHH	-0.2855
Gm19	43115844	43116827	Gmdrm	hypo	CHH	-0.0308
Gm19	43121505	43122495	Gmdrm	hypo	CHH	-0.0147
Gm19	43122520	43123520	Gmdrm	hypo	CHH	-0.0579
Gm19	43123525	43124449	Gmdrm	hypo	CHH	-0.0356
Gm19	43128628	43129197	Gmdrm	hypo	CHH	-0.0345
Gm19	43143251	43144130	Gmdrm	hypo	CHH	-0.0166
Gm19	43144255	43144723	Gmdrm	hypo	CHH	-0.0305

Gm19	43148189	43149142	Gmdrm	hypo	CHH	-0.0994
Gm19	43149204	43150162	Gmdrm	hypo	CHH	-0.1122
Gm19	43150207	43151204	Gmdrm	hypo	CHH	-0.0558
Gm19	43151209	43152200	Gmdrm	hypo	CHH	-0.0515
Gm19	43152225	43153224	Gmdrm	hypo	CHH	-0.0485
Gm19	43153231	43154221	Gmdrm	hypo	CHH	-0.0432
Gm19	43160261	43161238	Gmdrm	hypo	CHH	-0.0657
Gm19	43161268	43162244	Gmdrm	hypo	CHH	-0.0518
Gm19	43169437	43170434	Gmdrm	hypo	CHH	-0.0173
Gm19	43175630	43176426	Gmdrm	hypo	CHH	-0.0244
Gm19	43183641	43183801	Gmdrm	hypo	CHH	-0.0217
Gm19	43183905	43184900	Gmdrm	hypo	CHH	-0.0251
Gm19	43191332	43192301	Gmdrm	hypo	CHH	-0.0246
Gm19	43194888	43195866	Gmdrm	hypo	CHH	-0.1499
Gm19	43195897	43196880	Gmdrm	hypo	CHH	-0.0278
Gm19	43199189	43200185	Gmdrm	hypo	CHH	-0.0617
Gm19	43200234	43200826	Gmdrm	hypo	CHH	-0.1359
Gm19	43203908	43204342	Gmdrm	hypo	CHH	-0.0792
Gm19	43212762	43213755	Gmdrm	hypo	CHH	-0.0115
Gm19	43215899	43216893	Gmdrm	hypo	CHH	-0.0403
Gm19	43216903	43217669	Gmdrm	hypo	CHH	-0.0402
Gm19	43231739	43232731	Gmdrm	hypo	CHH	-0.0244
Gm19	43249526	43250524	Gmdrm	hypo	CHH	-0.0125
Gm19	43261888	43262869	Gmdrm	hypo	CHH	-0.0179
Gm19	43269382	43270382	Gmdrm	hypo	CHH	-0.016
Gm19	43273427	43274420	Gmdrm	hypo	CHH	-0.0223
Gm19	43274435	43275416	Gmdrm	hypo	CHH	-0.0142
Gm19	43284283	43285277	Gmdrm	hypo	CHH	-0.2315
Gm19	43285304	43286303	Gmdrm	hypo	CHH	-0.0174
Gm19	43286306	43287306	Gmdrm	hypo	CHH	-0.0909
Gm19	43287315	43288312	Gmdrm	hypo	CHH	-0.1182
Gm19	43292351	43293275	Gmdrm	hypo	CHH	-0.0794
Gm19	43293358	43294261	Gmdrm	hypo	CHH	-0.0346
Gm19	43295509	43296501	Gmdrm	hypo	CHH	-0.0753
Gm19	43296517	43297510	Gmdrm	hypo	CHH	-0.1123
Gm19	43297531	43298478	Gmdrm	hypo	CHH	-0.0328
Gm19	43303514	43304498	Gmdrm	hypo	CHH	-0.0145
Gm19	43308437	43309391	Gmdrm	hypo	CHH	-0.0135
Gm19	43314283	43315273	Gmdrm	hypo	CHH	-0.0644
Gm19	43319816	43320805	Gmdrm	hypo	CHH	-0.0379
Gm19	43328470	43329467	Gmdrm	hypo	CHH	-0.1409
Gm19	43329477	43330475	Gmdrm	hypo	CHH	-0.2998
Gm19	43341177	43342169	Gmdrm	hypo	CHH	-0.0174
Gm19	43346505	43347504	Gmdrm	hypo	CHH	-0.0205
Gm19	43354758	43355752	Gmdrm	hypo	CHH	-0.0107
Gm19	43362198	43363177	Gmdrm	hypo	CHH	-0.0838

Gm19	43363898	43364882	Gmdrm	hypo	CHH	-0.0173
Gm19	43377258	43378246	Gmdrm	hypo	CHH	-0.0164
Gm19	43379344	43380326	Gmdrm	hypo	CHH	-0.0339
Gm19	43383879	43384443	Gmdrm	hypo	CHH	-0.0806
Gm19	43386577	43387575	Gmdrm	hypo	CHH	-0.0197
Gm19	43387580	43388557	Gmdrm	hypo	CHH	-0.0353
Gm19	43394251	43395247	Gmdrm	hypo	CHH	-0.0553
Gm19	43399937	43400936	Gmdrm	hypo	CHH	-0.0688
Gm19	43400942	43401932	Gmdrm	hypo	CHH	-0.0584
Gm19	43418499	43419490	Gmdrm	hypo	CHH	-0.0148
Gm19	43421616	43422596	Gmdrm	hypo	CHH	-0.064
Gm19	43428342	43429333	Gmdrm	hypo	CHH	-0.0306
Gm19	43437526	43438524	Gmdrm	hypo	CHH	-0.0221
Gm19	43441563	43442547	Gmdrm	hypo	CHH	-0.0235
Gm19	43444208	43445202	Gmdrm	hypo	CHH	-0.0641
Gm19	43446881	43447619	Gmdrm	hypo	CHH	-0.0566
Gm19	43448715	43449693	Gmdrm	hypo	CHH	-0.0784
Gm19	43450728	43451690	Gmdrm	hypo	CHH	-0.027
Gm19	43464070	43465070	Gmdrm	hypo	CHH	-0.1999
Gm19	43465073	43466072	Gmdrm	hypo	CHH	-0.052
Gm19	43476570	43477533	Gmdrm	hypo	CHH	-0.024
Gm19	43478252	43479043	Gmdrm	hypo	CHH	-0.0298
Gm19	43486052	43487044	Gmdrm	hypo	CHH	-0.0151
Gm19	43492918	43493029	Gmdrm	hypo	CHH	-0.1558
Gm19	43494741	43495268	Gmdrm	hypo	CHH	-0.0884
Gm19	43495385	43496353	Gmdrm	hypo	CHH	-0.0983
Gm19	43496401	43496816	Gmdrm	hypo	CHH	-0.1357
Gm19	43497105	43498077	Gmdrm	hypo	CHH	-0.0845
Gm19	43501062	43502058	Gmdrm	hypo	CHH	-0.1258
Gm19	43503955	43504948	Gmdrm	hypo	CHH	-0.0142
Gm19	43508145	43509137	Gmdrm	hypo	CHH	-0.1431
Gm19	43529865	43530056	Gmdrm	hypo	CHH	-0.056
Gm19	43530211	43531206	Gmdrm	hypo	CHH	-0.033
Gm19	43532262	43533259	Gmdrm	hypo	CHH	-0.0125
Gm19	43534292	43535290	Gmdrm	hypo	CHH	-0.0358
Gm19	43535310	43536298	Gmdrm	hypo	CHH	-0.0175
Gm19	43540849	43541848	Gmdrm	hypo	CHH	-0.2053
Gm19	43555523	43556510	Gmdrm	hypo	CHH	-0.0563
Gm19	43575731	43576722	Gmdrm	hypo	CHH	-0.0162
Gm19	43581696	43582694	Gmdrm	hypo	CHH	-0.0735
Gm19	43593894	43594096	Gmdrm	hypo	CHH	-0.0312
Gm19	43602272	43603264	Gmdrm	hypo	CHH	-0.0516
Gm19	43608042	43609042	Gmdrm	hypo	CHH	-0.0116
Gm19	43609083	43610076	Gmdrm	hypo	CHH	-0.0176
Gm19	43618771	43619144	Gmdrm	hypo	CHH	-0.0239
Gm19	43619785	43620756	Gmdrm	hypo	CHH	-0.0233

Gm19	43625035	43625786	Gmdrm	hypo	CHH	-0.0218
Gm19	43627471	43628455	Gmdrm	hypo	CHH	-0.0186
Gm19	43628481	43629472	Gmdrm	hypo	CHH	-0.0177
Gm19	43629483	43629829	Gmdrm	hypo	CHH	-0.0709
Gm19	43643114	43644112	Gmdrm	hypo	CHH	-0.0687
Gm19	43644115	43645115	Gmdrm	hypo	CHH	-0.0965
Gm19	43645120	43646117	Gmdrm	hypo	CHH	-0.0793
Gm19	43646900	43647900	Gmdrm	hypo	CHH	-0.0533
Gm19	43647907	43648900	Gmdrm	hypo	CHH	-0.1059
Gm19	43650330	43651325	Gmdrm	hypo	CHH	-0.0171
Gm19	43651355	43651620	Gmdrm	hypo	CHH	-0.0314
Gm19	43651725	43652664	Gmdrm	hypo	CHH	-0.0618
Gm19	43668163	43669162	Gmdrm	hypo	CHH	-0.0415
Gm19	43673002	43673972	Gmdrm	hypo	CHH	-0.0232
Gm19	43683704	43684704	Gmdrm	hypo	CHH	-0.0932
Gm19	43691007	43692006	Gmdrm	hypo	CHH	-0.0114
Gm19	43702240	43702408	Gmdrm	hypo	CHH	-0.047
Gm19	43714276	43715276	Gmdrm	hypo	CHH	-0.0183
Gm19	43716313	43717297	Gmdrm	hypo	CHH	-0.0125
Gm19	43717319	43718238	Gmdrm	hypo	CHH	-0.0252
Gm19	43718354	43719352	Gmdrm	hypo	CHH	-0.0607
Gm19	43721368	43722360	Gmdrm	hypo	CHH	-0.036
Gm19	43722373	43723198	Gmdrm	hypo	CHH	-0.0218
Gm19	43734762	43735750	Gmdrm	hypo	CHH	-0.0139
Gm19	43740962	43741124	Gmdrm	hypo	CHH	-0.0633
Gm19	43744769	43745766	Gmdrm	hypo	CHH	-0.0564
Gm19	43745772	43746772	Gmdrm	hypo	CHH	-0.0804
Gm19	43746820	43747820	Gmdrm	hypo	CHH	-0.0628
Gm19	43747821	43748812	Gmdrm	hypo	CHH	-0.0771
Gm19	43764435	43765416	Gmdrm	hypo	CHH	-0.3436
Gm19	43767432	43768421	Gmdrm	hypo	CHH	-0.021
Gm19	43768433	43769421	Gmdrm	hypo	CHH	-0.028
Gm19	43771510	43772508	Gmdrm	hypo	CHH	-0.0443
Gm19	43781894	43782604	Gmdrm	hypo	CHH	-0.0185
Gm19	43788871	43789862	Gmdrm	hypo	CHH	-0.1321
Gm19	43789876	43790873	Gmdrm	hypo	CHH	-0.0758
Gm19	43790877	43791874	Gmdrm	hypo	CHH	-0.077
Gm19	43791888	43792877	Gmdrm	hypo	CHH	-0.2148
Gm19	43815046	43816038	Gmdrm	hypo	CHH	-0.2173
Gm19	43827030	43827999	Gmdrm	hypo	CHH	-0.0698
Gm19	43828033	43828989	Gmdrm	hypo	CHH	-0.0229
Gm19	43833986	43834951	Gmdrm	hypo	CHH	-0.024
Gm19	43835035	43836021	Gmdrm	hypo	CHH	-0.1564
Gm19	43836053	43837023	Gmdrm	hypo	CHH	-0.0171
Gm19	43844454	43845454	Gmdrm	hypo	CHH	-0.0588
Gm19	43847478	43847931	Gmdrm	hypo	CHH	-0.0434

Gm19	43848070	43849034	Gmdrm	hypo	CHH	-0.014
Gm19	43889499	43890473	Gmdrm	hypo	CHH	-0.1098
Gm19	43890500	43891490	Gmdrm	hypo	CHH	-0.1344
Gm19	43891533	43892515	Gmdrm	hypo	CHH	-0.0593
Gm19	43907902	43908900	Gmdrm	hypo	CHH	-0.0454
Gm19	43908904	43909136	Gmdrm	hypo	CHH	-0.1187
Gm19	43909254	43910254	Gmdrm	hypo	CHH	-0.023
Gm19	43916587	43917578	Gmdrm	hypo	CHH	-0.0997
Gm19	43917588	43918588	Gmdrm	hypo	CHH	-0.0731
Gm19	43918595	43919592	Gmdrm	hypo	CHH	-0.0568
Gm19	43939456	43940415	Gmdrm	hypo	CHH	-0.0255
Gm19	43950500	43951225	Gmdrm	hypo	CHH	-0.0132
Gm19	43952431	43953428	Gmdrm	hypo	CHH	-0.0313
Gm19	43956332	43957331	Gmdrm	hypo	CHH	-0.0172
Gm19	43958813	43959811	Gmdrm	hypo	CHH	-0.044
Gm19	43963342	43964329	Gmdrm	hypo	CHH	-0.0131
Gm19	43971372	43972293	Gmdrm	hypo	CHH	-0.0281
Gm19	43980479	43980671	Gmdrm	hypo	CHH	-0.0583
Gm19	43987160	43987399	Gmdrm	hypo	CHH	-0.6639
Gm19	44012477	44012846	Gmdrm	hypo	CHH	-0.0856
Gm19	44013266	44014265	Gmdrm	hypo	CHH	-0.0301
Gm19	44016302	44016547	Gmdrm	hypo	CHH	-0.1945
Gm19	44016962	44017958	Gmdrm	hypo	CHH	-0.0513
Gm19	44024749	44025748	Gmdrm	hypo	CHH	-0.1842
Gm19	44025750	44026741	Gmdrm	hypo	CHH	-0.0726
Gm19	44026775	44027764	Gmdrm	hypo	CHH	-0.022
Gm19	44030540	44030939	Gmdrm	hypo	CHH	-0.0526
Gm19	44031100	44032100	Gmdrm	hypo	CHH	-0.0237
Gm19	44059903	44060894	Gmdrm	hypo	CHH	-0.0184
Gm19	44085929	44086891	Gmdrm	hypo	CHH	-0.0255
Gm19	44092543	44093135	Gmdrm	hypo	CHH	-0.0503
Gm19	44094846	44095846	Gmdrm	hypo	CHH	-0.121
Gm19	44107198	44107475	Gmdrm	hypo	CHH	-0.0643
Gm19	44117792	44118789	Gmdrm	hypo	CHH	-0.0141
Gm19	44118799	44119729	Gmdrm	hypo	CHH	-0.0243
Gm19	44119811	44120362	Gmdrm	hypo	CHH	-0.0204
Gm19	44134701	44135695	Gmdrm	hypo	CHH	-0.2284
Gm19	44146421	44147130	Gmdrm	hypo	CHH	-0.0274
Gm19	44185291	44186285	Gmdrm	hypo	CHH	-0.0197
Gm19	44197651	44198644	Gmdrm	hypo	CHH	-0.0944
Gm19	44198663	44199533	Gmdrm	hypo	CHH	-0.0648
Gm19	44205408	44206378	Gmdrm	hypo	CHH	-0.03
Gm19	44217901	44218864	Gmdrm	hypo	CHH	-0.0186
Gm19	44223997	44224942	Gmdrm	hypo	CHH	-0.0202
Gm19	44231332	44231715	Gmdrm	hypo	CHH	-0.042
Gm19	44232030	44233027	Gmdrm	hypo	CHH	-0.0352

Gm19	44233853	44234016 Gmdrm	hypo	CHH	-0.055
Gm19	44235215	44236213 Gmdrm	hypo	CHH	-0.0277
Gm19	44258961	44259503 Gmdrm	hypo	CHH	-0.0809
Gm19	44267409	44268354 Gmdrm	hypo	CHH	-0.0279
Gm19	44275600	44276577 Gmdrm	hypo	CHH	-0.028
Gm19	44278624	44279620 Gmdrm	hypo	CHH	-0.013
Gm19	44289862	44290855 Gmdrm	hypo	CHH	-0.0154
Gm19	44291926	44292912 Gmdrm	hypo	CHH	-0.217
Gm19	44298282	44299276 Gmdrm	hypo	CHH	-0.1179
Gm19	44299287	44300275 Gmdrm	hypo	CHH	-0.1374
Gm19	44303659	44304653 Gmdrm	hypo	CHH	-0.0231
Gm19	44304668	44305654 Gmdrm	hypo	CHH	-0.191
Gm19	44313510	44314493 Gmdrm	hypo	CHH	-0.0178
Gm19	44338813	44339604 Gmdrm	hypo	CHH	-0.2205
Gm19	44344005	44345004 Gmdrm	hypo	CHH	-0.043
Gm19	44354192	44355176 Gmdrm	hypo	CHH	-0.0595
Gm19	44355199	44356189 Gmdrm	hypo	CHH	-0.026
Gm19	44359467	44360442 Gmdrm	hypo	CHH	-0.0921
Gm19	44361507	44362497 Gmdrm	hypo	CHH	-0.0632
Gm19	44362516	44363512 Gmdrm	hypo	CHH	-0.0243
Gm19	44364536	44365388 Gmdrm	hypo	CHH	-0.1162
Gm19	44365490	44366490 Gmdrm	hypo	CHH	-0.0377
Gm19	44375381	44376379 Gmdrm	hypo	CHH	-0.0133
Gm19	44376390	44377379 Gmdrm	hypo	CHH	-0.0553
Gm19	44377395	44378391 Gmdrm	hypo	CHH	-0.0653
Gm19	44378397	44378894 Gmdrm	hypo	CHH	-0.1016
Gm19	44379002	44379560 Gmdrm	hypo	CHH	-0.0329
Gm19	44396167	44397151 Gmdrm	hypo	CHH	-0.021
Gm19	44407532	44408512 Gmdrm	hypo	CHH	-0.025
Gm19	44409289	44410048 Gmdrm	hypo	CHH	-0.2519
Gm19	44413205	44414194 Gmdrm	hypo	CHH	-0.0155
Gm19	44415777	44416765 Gmdrm	hypo	CHH	-0.0587
Gm19	44419044	44419952 Gmdrm	hypo	CHH	-0.0654
Gm19	44427732	44428656 Gmdrm	hypo	CHH	-0.0235
Gm19	44432239	44432778 Gmdrm	hypo	CHH	-0.034
Gm19	44436851	44437373 Gmdrm	hypo	CHH	-0.0631
Gm19	44453771	44454760 Gmdrm	hypo	CHH	-0.0186
Gm19	44458022	44459012 Gmdrm	hypo	CHH	-0.1012
Gm19	44464351	44465350 Gmdrm	hypo	CHH	-0.072
Gm19	44465366	44466352 Gmdrm	hypo	CHH	-0.0562
Gm19	44467370	44468370 Gmdrm	hypo	CHH	-0.0178
Gm19	44468371	44469362 Gmdrm	hypo	CHH	-0.018
Gm19	44469372	44470371 Gmdrm	hypo	CHH	-0.0374
Gm19	44473390	44473960 Gmdrm	hypo	CHH	-0.0171
Gm19	44510492	44511471 Gmdrm	hypo	CHH	-0.0686
Gm19	44511493	44512493 Gmdrm	hypo	CHH	-0.1303

Gm19	44512496	44513472	Gmdrm	hypo	CHH	-0.0476
Gm19	44524764	44525761	Gmdrm	hypo	CHH	-0.1381
Gm19	44525767	44526761	Gmdrm	hypo	CHH	-0.0252
Gm19	44537077	44537159	Gmdrm	hypo	CHH	-0.078
Gm19	44546697	44547666	Gmdrm	hypo	CHH	-0.1144
Gm19	44547710	44548694	Gmdrm	hypo	CHH	-0.0727
Gm19	44548721	44549653	Gmdrm	hypo	CHH	-0.0188
Gm19	44550142	44551135	Gmdrm	hypo	CHH	-0.1431
Gm19	44552404	44553393	Gmdrm	hypo	CHH	-0.0125
Gm19	44568955	44569955	Gmdrm	hypo	CHH	-0.139
Gm19	44581088	44582066	Gmdrm	hypo	CHH	-0.0649
Gm19	44586909	44587905	Gmdrm	hypo	CHH	-0.0271
Gm19	44587913	44588899	Gmdrm	hypo	CHH	-0.1138
Gm19	44592670	44593637	Gmdrm	hypo	CHH	-0.0212
Gm19	44595734	44596515	Gmdrm	hypo	CHH	-0.0206
Gm19	44607388	44608152	Gmdrm	hypo	CHH	-0.0169
Gm19	44627752	44628507	Gmdrm	hypo	CHH	-0.0174
Gm19	44633832	44634829	Gmdrm	hypo	CHH	-0.3267
Gm19	44634841	44635839	Gmdrm	hypo	CHH	-0.0432
Gm19	44649148	44650148	Gmdrm	hypo	CHH	-0.0854
Gm19	44650153	44651103	Gmdrm	hypo	CHH	-0.1677
Gm19	44652244	44653140	Gmdrm	hypo	CHH	-0.0193
Gm19	44661723	44662664	Gmdrm	hypo	CHH	-0.0158
Gm19	44663728	44664718	Gmdrm	hypo	CHH	-0.0219
Gm19	44667964	44668958	Gmdrm	hypo	CHH	-0.066
Gm19	44678108	44679088	Gmdrm	hypo	CHH	-0.0258
Gm19	44681165	44681766	Gmdrm	hypo	CHH	-0.032
Gm19	44727391	44728384	Gmdrm	hypo	CHH	-0.0297
Gm19	44747609	44748609	Gmdrm	hypo	CHH	-0.0585
Gm19	44754189	44754878	Gmdrm	hypo	CHH	-0.0192
Gm19	44756828	44757252	Gmdrm	hypo	CHH	-0.0328
Gm19	44762612	44763586	Gmdrm	hypo	CHH	-0.0769
Gm19	44767394	44768393	Gmdrm	hypo	CHH	-0.0198
Gm19	44779149	44780146	Gmdrm	hypo	CHH	-0.019
Gm19	44783103	44784103	Gmdrm	hypo	CHH	-0.021
Gm19	44786175	44786818	Gmdrm	hypo	CHH	-0.1169
Gm19	44792982	44793314	Gmdrm	hypo	CHH	-0.3245
Gm19	44795985	44796980	Gmdrm	hypo	CHH	-0.0483
Gm19	44807511	44808502	Gmdrm	hypo	CHH	-0.0682
Gm19	44812851	44813725	Gmdrm	hypo	CHH	-0.107
Gm19	44813876	44814869	Gmdrm	hypo	CHH	-0.087
Gm19	44815623	44816623	Gmdrm	hypo	CHH	-0.0261
Gm19	44816625	44817620	Gmdrm	hypo	CHH	-0.0541
Gm19	44817638	44818627	Gmdrm	hypo	CHH	-0.0249
Gm19	44826835	44827154	Gmdrm	hypo	CHH	-0.0324
Gm19	44831962	44832915	Gmdrm	hypo	CHH	-0.0684

Gm19	44835091	44836081	Gmdrm	hypo	CHH	-0.0209
Gm19	44839323	44840288	Gmdrm	hypo	CHH	-0.0172
Gm19	44840334	44840825	Gmdrm	hypo	CHH	-0.0368
Gm19	44841950	44842809	Gmdrm	hypo	CHH	-0.0188
Gm19	44848655	44849642	Gmdrm	hypo	CHH	-0.0145
Gm19	44854078	44854301	Gmdrm	hypo	CHH	-0.0227
Gm19	44862107	44862825	Gmdrm	hypo	CHH	-0.0215
Gm19	44866976	44867956	Gmdrm	hypo	CHH	-0.2701
Gm19	44879482	44880480	Gmdrm	hypo	CHH	-0.2522
Gm19	44880485	44881474	Gmdrm	hypo	CHH	-0.0836
Gm19	44883479	44884471	Gmdrm	hypo	CHH	-0.1807
Gm19	44889533	44890521	Gmdrm	hypo	CHH	-0.0121
Gm19	44891572	44891755	Gmdrm	hypo	CHH	-0.0212
Gm19	44905359	44906359	Gmdrm	hypo	CHH	-0.1435
Gm19	44906365	44907311	Gmdrm	hypo	CHH	-0.4377
Gm19	44907373	44908362	Gmdrm	hypo	CHH	-0.1436
Gm19	44910631	44911396	Gmdrm	hypo	CHH	-0.0563
Gm19	44912376	44912534	Gmdrm	hypo	CHH	-0.0313
Gm19	44918799	44919794	Gmdrm	hypo	CHH	-0.0284
Gm19	44938971	44939402	Gmdrm	hypo	CHH	-0.0252
Gm19	44942560	44943558	Gmdrm	hypo	CHH	-0.0145
Gm19	44943563	44944453	Gmdrm	hypo	CHH	-0.0282
Gm19	44947299	44948291	Gmdrm	hypo	CHH	-0.0166
Gm19	44948301	44949301	Gmdrm	hypo	CHH	-0.0146
Gm19	44952753	44953597	Gmdrm	hypo	CHH	-0.0186
Gm19	44953707	44954690	Gmdrm	hypo	CHH	-0.0127
Gm19	44958073	44959030	Gmdrm	hypo	CHH	-0.116
Gm19	44969944	44970920	Gmdrm	hypo	CHH	-0.0262
Gm19	45000161	45001152	Gmdrm	hypo	CHH	-0.019
Gm19	45008759	45009758	Gmdrm	hypo	CHH	-0.2073
Gm19	45009766	45010756	Gmdrm	hypo	CHH	-0.1225
Gm19	45015468	45015836	Gmdrm	hypo	CHH	-0.0261
Gm19	45019656	45020635	Gmdrm	hypo	CHH	-0.023
Gm19	45020666	45021658	Gmdrm	hypo	CHH	-0.1269
Gm19	45021686	45022562	Gmdrm	hypo	CHH	-0.2116
Gm19	45023293	45023600	Gmdrm	hypo	CHH	-0.0638
Gm19	45031487	45032481	Gmdrm	hypo	CHH	-0.1219
Gm19	45032524	45033518	Gmdrm	hypo	CHH	-0.0698
Gm19	45042736	45042788	Gmdrm	hypo	CHH	-0.09
Gm19	45051159	45052159	Gmdrm	hypo	CHH	-0.049
Gm19	45052160	45053137	Gmdrm	hypo	CHH	-0.0365
Gm19	45054817	45055808	Gmdrm	hypo	CHH	-0.108
Gm19	45056824	45057824	Gmdrm	hypo	CHH	-0.0999
Gm19	45061455	45062434	Gmdrm	hypo	CHH	-0.0576
Gm19	45062468	45063456	Gmdrm	hypo	CHH	-0.0501
Gm19	45065914	45066910	Gmdrm	hypo	CHH	-0.0198

Gm19	45080608	45081576 Gmdrm	hypo	CHH	-0.2131
Gm19	45088248	45089214 Gmdrm	hypo	CHH	-0.058
Gm19	45091007	45091998 Gmdrm	hypo	CHH	-0.0789
Gm19	45108618	45109237 Gmdrm	hypo	CHH	-0.0227
Gm19	45117525	45118507 Gmdrm	hypo	CHH	-0.0248
Gm19	45121141	45122137 Gmdrm	hypo	CHH	-0.0499
Gm19	45122147	45123140 Gmdrm	hypo	CHH	-0.0793
Gm19	45123159	45124151 Gmdrm	hypo	CHH	-0.0507
Gm19	45131298	45132290 Gmdrm	hypo	CHH	-0.1408
Gm19	45132302	45133300 Gmdrm	hypo	CHH	-0.1387
Gm19	45140627	45141611 Gmdrm	hypo	CHH	-0.0657
Gm19	45141670	45142669 Gmdrm	hypo	CHH	-0.0197
Gm19	45155919	45156904 Gmdrm	hypo	CHH	-0.0237
Gm19	45171137	45172130 Gmdrm	hypo	CHH	-0.1461
Gm19	45180098	45181092 Gmdrm	hypo	CHH	-0.0215
Gm19	45181908	45182889 Gmdrm	hypo	CHH	-0.0174
Gm19	45183926	45184909 Gmdrm	hypo	CHH	-0.0141
Gm19	45189100	45190073 Gmdrm	hypo	CHH	-0.0149
Gm19	45204001	45205001 Gmdrm	hypo	CHH	-0.0204
Gm19	45205003	45205763 Gmdrm	hypo	CHH	-0.2696
Gm19	45217798	45218772 Gmdrm	hypo	CHH	-0.015
Gm19	45223724	45224699 Gmdrm	hypo	CHH	-0.0297
Gm19	45231263	45232260 Gmdrm	hypo	CHH	-0.0196
Gm19	45232270	45232278 Gmdrm	hypo	CHH	-0.072
Gm19	45233410	45234374 Gmdrm	hypo	CHH	-0.0233
Gm19	45251295	45252294 Gmdrm	hypo	CHH	-0.0129
Gm19	45264055	45265045 Gmdrm	hypo	CHH	-0.0155
Gm19	45267020	45267374 Gmdrm	hypo	CHH	-0.0358
Gm19	45268565	45269536 Gmdrm	hypo	CHH	-0.0163
Gm19	45272548	45273516 Gmdrm	hypo	CHH	-0.0548
Gm19	45274461	45275457 Gmdrm	hypo	CHH	-0.0385
Gm19	45275462	45276451 Gmdrm	hypo	CHH	-0.0249
Gm19	45276477	45277472 Gmdrm	hypo	CHH	-0.011
Gm19	45280836	45281834 Gmdrm	hypo	CHH	-0.0274
Gm19	45281839	45282532 Gmdrm	hypo	CHH	-0.1246
Gm19	45286620	45287602 Gmdrm	hypo	CHH	-0.029
Gm19	45289197	45289319 Gmdrm	hypo	CHH	-0.06
Gm19	45313619	45314571 Gmdrm	hypo	CHH	-0.0177
Gm19	45316639	45317636 Gmdrm	hypo	CHH	-0.0691
Gm19	45317647	45317934 Gmdrm	hypo	CHH	-0.3312
Gm19	45335656	45336442 Gmdrm	hypo	CHH	-0.0959
Gm19	45365619	45366617 Gmdrm	hypo	CHH	-0.0131
Gm19	45375426	45376403 Gmdrm	hypo	CHH	-0.0414
Gm19	45383315	45384275 Gmdrm	hypo	CHH	-0.0159
Gm19	45384356	45385356 Gmdrm	hypo	CHH	-0.0902
Gm19	45385369	45386182 Gmdrm	hypo	CHH	-0.0141

Gm19	45390662	45391648 Gmdrm	hypo	CHH	-0.0292
Gm19	45394548	45395548 Gmdrm	hypo	CHH	-0.1205
Gm19	45395550	45396540 Gmdrm	hypo	CHH	-0.1488
Gm19	45402472	45403466 Gmdrm	hypo	CHH	-0.0156
Gm19	45403495	45404494 Gmdrm	hypo	CHH	-0.085
Gm19	45404497	45404774 Gmdrm	hypo	CHH	-0.1469
Gm19	45414426	45415315 Gmdrm	hypo	CHH	-0.0217
Gm19	45435643	45436364 Gmdrm	hypo	CHH	-0.0298
Gm19	45437394	45438361 Gmdrm	hypo	CHH	-0.0195
Gm19	45443145	45444003 Gmdrm	hypo	CHH	-0.1189
Gm19	45446578	45447576 Gmdrm	hypo	CHH	-0.0751
Gm19	45447583	45448573 Gmdrm	hypo	CHH	-0.0376
Gm19	45463486	45464472 Gmdrm	hypo	CHH	-0.2869
Gm19	45468166	45469110 Gmdrm	hypo	CHH	-0.0196
Gm19	45482095	45482727 Gmdrm	hypo	CHH	-0.22
Gm19	45487362	45488362 Gmdrm	hypo	CHH	-0.0209
Gm19	45499050	45500049 Gmdrm	hypo	CHH	-0.0124
Gm19	45521110	45522108 Gmdrm	hypo	CHH	-0.0262
Gm19	45523147	45524133 Gmdrm	hypo	CHH	-0.1414
Gm19	45530827	45531806 Gmdrm	hypo	CHH	-0.0636
Gm19	45531830	45532824 Gmdrm	hypo	CHH	-0.0112
Gm19	45542600	45543582 Gmdrm	hypo	CHH	-0.0223
Gm19	45543622	45543966 Gmdrm	hypo	CHH	-0.0214
Gm19	45547944	45548932 Gmdrm	hypo	CHH	-0.0176
Gm19	45553488	45554479 Gmdrm	hypo	CHH	-0.0147
Gm19	45554494	45555487 Gmdrm	hypo	CHH	-0.0211
Gm19	45555504	45556081 Gmdrm	hypo	CHH	-0.0321
Gm19	45574509	45575506 Gmdrm	hypo	CHH	-0.0853
Gm19	45575510	45576442 Gmdrm	hypo	CHH	-0.0294
Gm19	45592614	45593580 Gmdrm	hypo	CHH	-0.0147
Gm19	45599712	45600038 Gmdrm	hypo	CHH	-0.0343
Gm19	45606265	45607210 Gmdrm	hypo	CHH	-0.0476
Gm19	45607272	45608252 Gmdrm	hypo	CHH	-0.0764
Gm19	45608273	45609267 Gmdrm	hypo	CHH	-0.067
Gm19	45621819	45622810 Gmdrm	hypo	CHH	-0.0875
Gm19	45669220	45670187 Gmdrm	hypo	CHH	-0.03
Gm19	45679000	45679928 Gmdrm	hypo	CHH	-0.191
Gm19	45681388	45682382 Gmdrm	hypo	CHH	-0.0735
Gm19	45682404	45683180 Gmdrm	hypo	CHH	-0.0356
Gm19	45695027	45695992 Gmdrm	hypo	CHH	-0.0214
Gm19	45704319	45705132 Gmdrm	hypo	CHH	-0.0436
Gm19	45709207	45710163 Gmdrm	hypo	CHH	-0.1684
Gm19	45713627	45714610 Gmdrm	hypo	CHH	-0.027
Gm19	45725416	45726416 Gmdrm	hypo	CHH	-0.0194
Gm19	45749864	45750862 Gmdrm	hypo	CHH	-0.023
Gm19	45753005	45753980 Gmdrm	hypo	CHH	-0.035

Gm19	45758478	45759456	Gmdrm	hypo	CHH	-0.0212
Gm19	45761400	45762396	Gmdrm	hypo	CHH	-0.0287
Gm19	45763454	45764414	Gmdrm	hypo	CHH	-0.0265
Gm19	45780190	45781190	Gmdrm	hypo	CHH	-0.0537
Gm19	45781191	45782171	Gmdrm	hypo	CHH	-0.033
Gm19	45790842	45791806	Gmdrm	hypo	CHH	-0.0587
Gm19	45801449	45802440	Gmdrm	hypo	CHH	-0.0277
Gm19	45813848	45814839	Gmdrm	hypo	CHH	-0.0423
Gm19	45814856	45815846	Gmdrm	hypo	CHH	-0.0219
Gm19	45815859	45816174	Gmdrm	hypo	CHH	-0.0186
Gm19	45821379	45822378	Gmdrm	hypo	CHH	-0.0645
Gm19	45822385	45823379	Gmdrm	hypo	CHH	-0.0672
Gm19	45829600	45829967	Gmdrm	hypo	CHH	-0.0256
Gm19	45841116	45842113	Gmdrm	hypo	CHH	-0.0513
Gm19	45884882	45885880	Gmdrm	hypo	CHH	-0.0179
Gm19	45888561	45889555	Gmdrm	hypo	CHH	-0.1538
Gm19	45895921	45896725	Gmdrm	hypo	CHH	-0.1089
Gm19	45897328	45897909	Gmdrm	hypo	CHH	-0.3782
Gm19	45899294	45900291	Gmdrm	hypo	CHH	-0.0185
Gm19	45907034	45908032	Gmdrm	hypo	CHH	-0.013
Gm19	45916247	45916325	Gmdrm	hypo	CHH	-0.034
Gm19	45916429	45917429	Gmdrm	hypo	CHH	-0.1807
Gm19	45917439	45917977	Gmdrm	hypo	CHH	-0.1206
Gm19	45937995	45938632	Gmdrm	hypo	CHH	-0.0688
Gm19	45939384	45940375	Gmdrm	hypo	CHH	-0.0246
Gm19	45946607	45947600	Gmdrm	hypo	CHH	-0.0233
Gm19	45949612	45950612	Gmdrm	hypo	CHH	-0.0293
Gm19	45954455	45955045	Gmdrm	hypo	CHH	-0.0179
Gm19	45964449	45965357	Gmdrm	hypo	CHH	-0.1203
Gm19	45965876	45966843	Gmdrm	hypo	CHH	-0.0183
Gm19	45967007	45967986	Gmdrm	hypo	CHH	-0.0499
Gm19	45968012	45968998	Gmdrm	hypo	CHH	-0.067
Gm19	45978870	45979859	Gmdrm	hypo	CHH	-0.0151
Gm19	45986381	45987365	Gmdrm	hypo	CHH	-0.0538
Gm19	45991141	45992133	Gmdrm	hypo	CHH	-0.019
Gm19	45994428	45994775	Gmdrm	hypo	CHH	-0.0236
Gm19	45997848	45998845	Gmdrm	hypo	CHH	-0.0896
Gm19	46005006	46006006	Gmdrm	hypo	CHH	-0.1642
Gm19	46006007	46007000	Gmdrm	hypo	CHH	-0.2178
Gm19	46007407	46008383	Gmdrm	hypo	CHH	-0.0224
Gm19	46011710	46012710	Gmdrm	hypo	CHH	-0.0394
Gm19	46016470	46017466	Gmdrm	hypo	CHH	-0.0494
Gm19	46020239	46021211	Gmdrm	hypo	CHH	-0.0107
Gm19	46022273	46023272	Gmdrm	hypo	CHH	-0.0788
Gm19	46023278	46023991	Gmdrm	hypo	CHH	-0.0927
Gm19	46025777	46026763	Gmdrm	hypo	CHH	-0.0493

Gm19	46028804	46029795	Gmdrm	hypo	CHH	-0.0657
Gm19	46029810	46030159	Gmdrm	hypo	CHH	-0.0582
Gm19	46034346	46035311	Gmdrm	hypo	CHH	-0.1137
Gm19	46043174	46044065	Gmdrm	hypo	CHH	-0.019
Gm19	46051886	46052429	Gmdrm	hypo	CHH	-0.0259
Gm19	46052542	46053534	Gmdrm	hypo	CHH	-0.0293
Gm19	46062597	46063574	Gmdrm	hypo	CHH	-0.0247
Gm19	46072432	46072991	Gmdrm	hypo	CHH	-0.0182
Gm19	46073142	46074135	Gmdrm	hypo	CHH	-0.0181
Gm19	46086765	46087761	Gmdrm	hypo	CHH	-0.1456
Gm19	46087778	46088708	Gmdrm	hypo	CHH	-0.1885
Gm19	46089679	46090672	Gmdrm	hypo	CHH	-0.0985
Gm19	46090695	46091297	Gmdrm	hypo	CHH	-0.0164
Gm19	46113426	46114423	Gmdrm	hypo	CHH	-0.02
Gm19	46125147	46126142	Gmdrm	hypo	CHH	-0.0207
Gm19	46126170	46127121	Gmdrm	hypo	CHH	-0.0683
Gm19	46135399	46136393	Gmdrm	hypo	CHH	-0.4635
Gm19	46143723	46144709	Gmdrm	hypo	CHH	-0.0096
Gm19	46152576	46153558	Gmdrm	hypo	CHH	-0.0206
Gm19	46153640	46154635	Gmdrm	hypo	CHH	-0.0165
Gm19	46154651	46155630	Gmdrm	hypo	CHH	-0.0229
Gm19	46155655	46156634	Gmdrm	hypo	CHH	-0.1336
Gm19	46156996	46157995	Gmdrm	hypo	CHH	-0.0589
Gm19	46162176	46163148	Gmdrm	hypo	CHH	-0.0217
Gm19	46169942	46170937	Gmdrm	hypo	CHH	-0.0691
Gm19	46170944	46171944	Gmdrm	hypo	CHH	-0.0891
Gm19	46171946	46172138	Gmdrm	hypo	CHH	-0.029
Gm19	46173307	46174307	Gmdrm	hypo	CHH	-0.1172
Gm19	46179790	46180785	Gmdrm	hypo	CHH	-0.1102
Gm19	46180793	46181791	Gmdrm	hypo	CHH	-0.2089
Gm19	46194200	46195190	Gmdrm	hypo	CHH	-0.0144
Gm19	46198483	46198747	Gmdrm	hypo	CHH	-0.0803
Gm19	46198849	46199826	Gmdrm	hypo	CHH	-0.0444
Gm19	46209074	46210069	Gmdrm	hypo	CHH	-0.032
Gm19	46210075	46210420	Gmdrm	hypo	CHH	-0.0585
Gm19	46212488	46213447	Gmdrm	hypo	CHH	-0.0427
Gm19	46220816	46221812	Gmdrm	hypo	CHH	-0.0209
Gm19	46227756	46228756	Gmdrm	hypo	CHH	-0.1359
Gm19	46228761	46229206	Gmdrm	hypo	CHH	-0.1027
Gm19	46243834	46244815	Gmdrm	hypo	CHH	-0.0737
Gm19	46266851	46267840	Gmdrm	hypo	CHH	-0.04
Gm19	46267857	46268816	Gmdrm	hypo	CHH	-0.051
Gm19	46274138	46274889	Gmdrm	hypo	CHH	-0.0533
Gm19	46277343	46278327	Gmdrm	hypo	CHH	-0.0592
Gm19	46280030	46281029	Gmdrm	hypo	CHH	-0.0594
Gm19	46299469	46300003	Gmdrm	hypo	CHH	-0.0289

Gm19	46303212	46304211	Gmdrm	hypo	CHH	-0.0913
Gm19	46305225	46305863	Gmdrm	hypo	CHH	-0.0421
Gm19	46311862	46312833	Gmdrm	hypo	CHH	-0.0667
Gm19	46315914	46316906	Gmdrm	hypo	CHH	-0.0297
Gm19	46329807	46330716	Gmdrm	hypo	CHH	-0.2472
Gm19	46336033	46337033	Gmdrm	hypo	CHH	-0.1545
Gm19	46337034	46338032	Gmdrm	hypo	CHH	-0.0775
Gm19	46338038	46339034	Gmdrm	hypo	CHH	-0.0644
Gm19	46339051	46340040	Gmdrm	hypo	CHH	-0.1056
Gm19	46340817	46341812	Gmdrm	hypo	CHH	-0.0174
Gm19	46345670	46346667	Gmdrm	hypo	CHH	-0.0216
Gm19	46346671	46347661	Gmdrm	hypo	CHH	-0.0286
Gm19	46352710	46353698	Gmdrm	hypo	CHH	-0.0356
Gm19	46362389	46363382	Gmdrm	hypo	CHH	-0.2076
Gm19	46363394	46364388	Gmdrm	hypo	CHH	-0.0126
Gm19	46364396	46365386	Gmdrm	hypo	CHH	-0.0996
Gm19	46366442	46367435	Gmdrm	hypo	CHH	-0.0379
Gm19	46377317	46378317	Gmdrm	hypo	CHH	-0.1435
Gm19	46385545	46386541	Gmdrm	hypo	CHH	-0.0182
Gm19	46392075	46393053	Gmdrm	hypo	CHH	-0.0202
Gm19	46402372	46403371	Gmdrm	hypo	CHH	-0.0625
Gm19	46403373	46404365	Gmdrm	hypo	CHH	-0.0984
Gm19	46404374	46405366	Gmdrm	hypo	CHH	-0.1526
Gm19	46409320	46410224	Gmdrm	hypo	CHH	-0.0158
Gm19	46417529	46418289	Gmdrm	hypo	CHH	-0.0289
Gm19	46419463	46420459	Gmdrm	hypo	CHH	-0.0482
Gm19	46420487	46421475	Gmdrm	hypo	CHH	-0.1035
Gm19	46443766	46444526	Gmdrm	hypo	CHH	-0.0211
Gm19	46448838	46449834	Gmdrm	hypo	CHH	-0.0206
Gm19	46467470	46468422	Gmdrm	hypo	CHH	-0.0162
Gm19	46482675	46483645	Gmdrm	hypo	CHH	-0.0136
Gm19	46483686	46484686	Gmdrm	hypo	CHH	-0.1468
Gm19	46500996	46501916	Gmdrm	hypo	CHH	-0.0241
Gm19	46502004	46502788	Gmdrm	hypo	CHH	-0.0317
Gm19	46522742	46523690	Gmdrm	hypo	CHH	-0.0227
Gm19	46525228	46526222	Gmdrm	hypo	CHH	-0.0289
Gm19	46549313	46550263	Gmdrm	hypo	CHH	-0.0584
Gm19	46550316	46551316	Gmdrm	hypo	CHH	-0.0826
Gm19	46551317	46552312	Gmdrm	hypo	CHH	-0.0225
Gm19	46558202	46559163	Gmdrm	hypo	CHH	-0.0126
Gm19	46562754	46563648	Gmdrm	hypo	CHH	-0.0186
Gm19	46564769	46565762	Gmdrm	hypo	CHH	-0.0398
Gm19	46565772	46566756	Gmdrm	hypo	CHH	-0.0341
Gm19	46570795	46571793	Gmdrm	hypo	CHH	-0.0423
Gm19	46571801	46572781	Gmdrm	hypo	CHH	-0.0649
Gm19	46582023	46583018	Gmdrm	hypo	CHH	-0.0452

Gm19	46583041	46584039	Gmdrm	hypo	CHH	-0.1131
Gm19	46584046	46585042	Gmdrm	hypo	CHH	-0.0277
Gm19	46586061	46586905	Gmdrm	hypo	CHH	-0.0182
Gm19	46587166	46587341	Gmdrm	hypo	CHH	-0.0367
Gm19	46589504	46590502	Gmdrm	hypo	CHH	-0.0398
Gm19	46590505	46591504	Gmdrm	hypo	CHH	-0.1135
Gm19	46591509	46592151	Gmdrm	hypo	CHH	-0.2708
Gm19	46597666	46598660	Gmdrm	hypo	CHH	-0.0154
Gm19	46614340	46614586	Gmdrm	hypo	CHH	-0.09
Gm19	46615599	46616596	Gmdrm	hypo	CHH	-0.0206
Gm19	46616610	46617598	Gmdrm	hypo	CHH	-0.012
Gm19	46628958	46629922	Gmdrm	hypo	CHH	-0.1342
Gm19	46632680	46633662	Gmdrm	hypo	CHH	-0.0357
Gm19	46635798	46636184	Gmdrm	hypo	CHH	-0.0571
Gm19	46642587	46643584	Gmdrm	hypo	CHH	-0.1034
Gm19	46646474	46647469	Gmdrm	hypo	CHH	-0.0469
Gm19	46647475	46648474	Gmdrm	hypo	CHH	-0.0182
Gm19	46660565	46661551	Gmdrm	hypo	CHH	-0.0085
Gm19	46665762	46666756	Gmdrm	hypo	CHH	-0.2328
Gm19	46668318	46669270	Gmdrm	hypo	CHH	-0.02
Gm19	46669953	46670633	Gmdrm	hypo	CHH	-0.0231
Gm19	46670773	46671763	Gmdrm	hypo	CHH	-0.0184
Gm19	46676562	46676665	Gmdrm	hypo	CHH	-0.07
Gm19	46699393	46700383	Gmdrm	hypo	CHH	-0.0156
Gm19	46707414	46708390	Gmdrm	hypo	CHH	-0.0343
Gm19	46708421	46709394	Gmdrm	hypo	CHH	-0.0316
Gm19	46717652	46718651	Gmdrm	hypo	CHH	-0.0867
Gm19	46718670	46718879	Gmdrm	hypo	CHH	-0.1159
Gm19	46728934	46729221	Gmdrm	hypo	CHH	-0.222
Gm19	46730343	46731343	Gmdrm	hypo	CHH	-0.0507
Gm19	46752809	46753805	Gmdrm	hypo	CHH	-0.1111
Gm19	46753813	46754812	Gmdrm	hypo	CHH	-0.1594
Gm19	46754815	46755798	Gmdrm	hypo	CHH	-0.0249
Gm19	46764570	46764756	Gmdrm	hypo	CHH	-0.0959
Gm19	46765883	46766871	Gmdrm	hypo	CHH	-0.0116
Gm19	46777374	46777814	Gmdrm	hypo	CHH	-0.0289
Gm19	46783388	46784386	Gmdrm	hypo	CHH	-0.0824
Gm19	46785402	46786400	Gmdrm	hypo	CHH	-0.0332
Gm19	46786405	46786767	Gmdrm	hypo	CHH	-0.1026
Gm19	46810645	46811638	Gmdrm	hypo	CHH	-0.0876
Gm19	46818970	46819938	Gmdrm	hypo	CHH	-0.0218
Gm19	46820995	46821983	Gmdrm	hypo	CHH	-0.032
Gm19	46829171	46830138	Gmdrm	hypo	CHH	-0.1009
Gm19	46830511	46831487	Gmdrm	hypo	CHH	-0.1515
Gm19	46846169	46847146	Gmdrm	hypo	CHH	-0.0213
Gm19	46856330	46856518	Gmdrm	hypo	CHH	-0.0362

Gm19	46858694	46859690	Gmdrm	hypo	CHH	-0.0518
Gm19	46863311	46864307	Gmdrm	hypo	CHH	-0.0184
Gm19	46864312	46865306	Gmdrm	hypo	CHH	-0.13
Gm19	46865318	46866313	Gmdrm	hypo	CHH	-0.1618
Gm19	46866336	46867324	Gmdrm	hypo	CHH	-0.0765
Gm19	46867337	46867842	Gmdrm	hypo	CHH	-0.1429
Gm19	46888147	46888729	Gmdrm	hypo	CHH	-0.0222
Gm19	46895761	46896761	Gmdrm	hypo	CHH	-0.0281
Gm19	46900366	46901345	Gmdrm	hypo	CHH	-0.0269
Gm19	46903985	46904950	Gmdrm	hypo	CHH	-0.0158
Gm19	46916764	46917110	Gmdrm	hypo	CHH	-0.0252
Gm19	46939041	46939591	Gmdrm	hypo	CHH	-0.0204
Gm19	46940242	46941240	Gmdrm	hypo	CHH	-0.0792
Gm19	46941244	46941418	Gmdrm	hypo	CHH	-0.0865
Gm19	46945799	46946772	Gmdrm	hypo	CHH	-0.2365
Gm19	46946803	46947797	Gmdrm	hypo	CHH	-0.3613
Gm19	46985706	46985949	Gmdrm	hypo	CHH	-0.028
Gm19	46988084	46988280	Gmdrm	hypo	CHH	-0.0461
Gm19	46993500	46994095	Gmdrm	hypo	CHH	-0.0311
Gm19	47004945	47005930	Gmdrm	hypo	CHH	-0.0861
Gm19	47010512	47011461	Gmdrm	hypo	CHH	-0.0251
Gm19	47014325	47015307	Gmdrm	hypo	CHH	-0.191
Gm19	47015406	47016378	Gmdrm	hypo	CHH	-0.0297
Gm19	47016408	47017406	Gmdrm	hypo	CHH	-0.0239
Gm19	47017413	47018396	Gmdrm	hypo	CHH	-0.1949
Gm19	47022453	47023411	Gmdrm	hypo	CHH	-0.0186
Gm19	47026828	47027819	Gmdrm	hypo	CHH	-0.0475
Gm19	47027849	47028849	Gmdrm	hypo	CHH	-0.0853
Gm19	47037966	47038958	Gmdrm	hypo	CHH	-0.0178
Gm19	47038975	47039939	Gmdrm	hypo	CHH	-0.025
Gm19	47050404	47051402	Gmdrm	hypo	CHH	-0.1141
Gm19	47051407	47052206	Gmdrm	hypo	CHH	-0.0345
Gm19	47061770	47062762	Gmdrm	hypo	CHH	-0.138
Gm19	47062772	47063754	Gmdrm	hypo	CHH	-0.1858
Gm19	47068573	47069569	Gmdrm	hypo	CHH	-0.0278
Gm19	47072824	47072986	Gmdrm	hypo	CHH	-0.0275
Gm19	47075688	47076681	Gmdrm	hypo	CHH	-0.0343
Gm19	47089827	47090815	Gmdrm	hypo	CHH	-0.0287
Gm19	47100721	47101716	Gmdrm	hypo	CHH	-0.2688
Gm19	47105674	47106658	Gmdrm	hypo	CHH	-0.0082
Gm19	47106692	47107677	Gmdrm	hypo	CHH	-0.0623
Gm19	47107709	47108708	Gmdrm	hypo	CHH	-0.0404
Gm19	47112599	47113560	Gmdrm	hypo	CHH	-0.0314
Gm19	47113619	47114342	Gmdrm	hypo	CHH	-0.0638
Gm19	47122393	47123390	Gmdrm	hypo	CHH	-0.0177
Gm19	47129900	47130899	Gmdrm	hypo	CHH	-0.11

Gm19	47130902	47131363	Gmdrm	hypo	CHH	-0.0415
Gm19	47135011	47135991	Gmdrm	hypo	CHH	-0.0459
Gm19	47143151	47144133	Gmdrm	hypo	CHH	-0.0146
Gm19	47145480	47145655	Gmdrm	hypo	CHH	-0.0279
Gm19	47171708	47172707	Gmdrm	hypo	CHH	-0.0811
Gm19	47185841	47186831	Gmdrm	hypo	CHH	-0.4883
Gm19	47187914	47188911	Gmdrm	hypo	CHH	-0.2161
Gm19	47203817	47204817	Gmdrm	hypo	CHH	-0.0132
Gm19	47205849	47206843	Gmdrm	hypo	CHH	-0.1168
Gm19	47206878	47207874	Gmdrm	hypo	CHH	-0.2368
Gm19	47215495	47216482	Gmdrm	hypo	CHH	-0.1533
Gm19	47216496	47217479	Gmdrm	hypo	CHH	-0.222
Gm19	47224739	47225728	Gmdrm	hypo	CHH	-0.0437
Gm19	47225741	47226734	Gmdrm	hypo	CHH	-0.0313
Gm19	47234434	47235035	Gmdrm	hypo	CHH	-0.0367
Gm19	47238271	47239261	Gmdrm	hypo	CHH	-0.0213
Gm19	47253983	47254971	Gmdrm	hypo	CHH	-0.0157
Gm19	47257551	47258534	Gmdrm	hypo	CHH	-0.0175
Gm19	47258554	47259546	Gmdrm	hypo	CHH	-0.077
Gm19	47262217	47263217	Gmdrm	hypo	CHH	-0.2209
Gm19	47263219	47263321	Gmdrm	hypo	CHH	-0.45
Gm19	47297976	47298894	Gmdrm	hypo	CHH	-0.02
Gm19	47300349	47301327	Gmdrm	hypo	CHH	-0.0217
Gm19	47303997	47304976	Gmdrm	hypo	CHH	-0.015
Gm19	47314572	47315566	Gmdrm	hypo	CHH	-0.0937
Gm19	47315577	47316576	Gmdrm	hypo	CHH	-0.0197
Gm19	47317588	47318126	Gmdrm	hypo	CHH	-0.0295
Gm19	47323180	47323411	Gmdrm	hypo	CHH	-0.4004
Gm19	47326436	47326808	Gmdrm	hypo	CHH	-0.088
Gm19	47327115	47328068	Gmdrm	hypo	CHH	-0.1087
Gm19	47329135	47330100	Gmdrm	hypo	CHH	-0.0928
Gm19	47331229	47331897	Gmdrm	hypo	CHH	-0.1573
Gm19	47341115	47341396	Gmdrm	hypo	CHH	-0.0425
Gm19	47350859	47351845	Gmdrm	hypo	CHH	-0.0237
Gm19	47352941	47353923	Gmdrm	hypo	CHH	-0.0317
Gm19	47359232	47360046	Gmdrm	hypo	CHH	-0.1166
Gm19	47387732	47388294	Gmdrm	hypo	CHH	-0.0346
Gm19	47388447	47388747	Gmdrm	hypo	CHH	-0.0335
Gm19	47394615	47395605	Gmdrm	hypo	CHH	-0.037
Gm19	47395621	47396597	Gmdrm	hypo	CHH	-0.2188
Gm19	47407133	47407490	Gmdrm	hypo	CHH	-0.0809
Gm19	47410637	47411631	Gmdrm	hypo	CHH	-0.0832
Gm19	47411641	47411989	Gmdrm	hypo	CHH	-0.0987
Gm19	47414272	47414605	Gmdrm	hypo	CHH	-0.1037
Gm19	47418905	47419894	Gmdrm	hypo	CHH	-0.0536
Gm19	47421915	47422911	Gmdrm	hypo	CHH	-0.0896

Gm19	47466969	47467969	Gmdrm	hypo	CHH	-0.0923
Gm19	47467976	47468923	Gmdrm	hypo	CHH	-0.1523
Gm19	47476135	47477127	Gmdrm	hypo	CHH	-0.0564
Gm19	47477136	47478089	Gmdrm	hypo	CHH	-0.0486
Gm19	47483390	47484383	Gmdrm	hypo	CHH	-0.0174
Gm19	47484394	47485388	Gmdrm	hypo	CHH	-0.0325
Gm19	47490422	47491385	Gmdrm	hypo	CHH	-0.0968
Gm19	47491699	47492633	Gmdrm	hypo	CHH	-0.0223
Gm19	47492702	47493700	Gmdrm	hypo	CHH	-0.1693
Gm19	47493716	47494690	Gmdrm	hypo	CHH	-0.0268
Gm19	47503805	47504802	Gmdrm	hypo	CHH	-0.1146
Gm19	47504809	47505797	Gmdrm	hypo	CHH	-0.0962
Gm19	47507708	47508262	Gmdrm	hypo	CHH	-0.0537
Gm19	47508373	47508711	Gmdrm	hypo	CHH	-0.2915
Gm19	47525349	47526349	Gmdrm	hypo	CHH	-0.0395
Gm19	47526353	47527351	Gmdrm	hypo	CHH	-0.0737
Gm19	47552352	47552783	Gmdrm	hypo	CHH	-0.0383
Gm19	47557073	47558063	Gmdrm	hypo	CHH	-0.0202
Gm19	47558085	47559061	Gmdrm	hypo	CHH	-0.0715
Gm19	47569669	47570640	Gmdrm	hypo	CHH	-0.352
Gm19	47577888	47578888	Gmdrm	hypo	CHH	-0.0172
Gm19	47578892	47579869	Gmdrm	hypo	CHH	-0.0179
Gm19	47587187	47588171	Gmdrm	hypo	CHH	-0.0175
Gm19	47588810	47589794	Gmdrm	hypo	CHH	-0.0194
Gm19	47604526	47604966	Gmdrm	hypo	CHH	-0.0223
Gm19	47620562	47621552	Gmdrm	hypo	CHH	-0.0154
Gm19	47630093	47630782	Gmdrm	hypo	CHH	-0.0485
Gm19	47660109	47661109	Gmdrm	hypo	CHH	-0.0162
Gm19	47661112	47661258	Gmdrm	hypo	CHH	-0.0557
Gm19	47663402	47664048	Gmdrm	hypo	CHH	-0.0137
Gm19	47680161	47681158	Gmdrm	hypo	CHH	-0.0179
Gm19	47681165	47682161	Gmdrm	hypo	CHH	-0.0888
Gm19	47682175	47683143	Gmdrm	hypo	CHH	-0.0983
Gm19	47683185	47683621	Gmdrm	hypo	CHH	-0.0255
Gm19	47690985	47691975	Gmdrm	hypo	CHH	-0.38
Gm19	47693000	47693952	Gmdrm	hypo	CHH	-0.0362
Gm19	47694265	47695205	Gmdrm	hypo	CHH	-0.2081
Gm19	47700278	47701266	Gmdrm	hypo	CHH	-0.0117
Gm19	47703291	47704287	Gmdrm	hypo	CHH	-0.0437
Gm19	47711971	47712927	Gmdrm	hypo	CHH	-0.1104
Gm19	47712973	47713973	Gmdrm	hypo	CHH	-0.1421
Gm19	47717928	47718927	Gmdrm	hypo	CHH	-0.0376
Gm19	47718930	47719867	Gmdrm	hypo	CHH	-0.0481
Gm19	47722682	47723677	Gmdrm	hypo	CHH	-0.0272
Gm19	47761354	47762308	Gmdrm	hypo	CHH	-0.021
Gm19	47764459	47765440	Gmdrm	hypo	CHH	-0.0336

Gm19	47769235	47769439	Gmdrm	hypo	CHH	-0.0311
Gm19	47769829	47770799	Gmdrm	hypo	CHH	-0.0268
Gm19	47770846	47771054	Gmdrm	hypo	CHH	-0.0184
Gm19	47783749	47784303	Gmdrm	hypo	CHH	-0.0615
Gm19	47787739	47787799	Gmdrm	hypo	CHH	-0.03
Gm19	47789961	47790958	Gmdrm	hypo	CHH	-0.0173
Gm19	47806213	47807200	Gmdrm	hypo	CHH	-0.0815
Gm19	47815171	47816166	Gmdrm	hypo	CHH	-0.0187
Gm19	47823832	47824816	Gmdrm	hypo	CHH	-0.3214
Gm19	47825101	47826087	Gmdrm	hypo	CHH	-0.0137
Gm19	47827135	47828101	Gmdrm	hypo	CHH	-0.0194
Gm19	47828154	47829151	Gmdrm	hypo	CHH	-0.0195
Gm19	47835653	47836649	Gmdrm	hypo	CHH	-0.025
Gm19	47837227	47838202	Gmdrm	hypo	CHH	-0.0708
Gm19	47838243	47839215	Gmdrm	hypo	CHH	-0.1008
Gm19	47839247	47840247	Gmdrm	hypo	CHH	-0.0691
Gm19	47852527	47853178	Gmdrm	hypo	CHH	-0.0259
Gm19	47860056	47860645	Gmdrm	hypo	CHH	-0.0292
Gm19	47862371	47863360	Gmdrm	hypo	CHH	-0.0627
Gm19	47884198	47884327	Gmdrm	hypo	CHH	-0.0822
Gm19	47886954	47887300	Gmdrm	hypo	CHH	-0.0423
Gm19	47891945	47892927	Gmdrm	hypo	CHH	-0.0596
Gm19	47895209	47896165	Gmdrm	hypo	CHH	-0.0962
Gm19	47896240	47897240	Gmdrm	hypo	CHH	-0.0526
Gm19	47897244	47898244	Gmdrm	hypo	CHH	-0.0403
Gm19	47898246	47899224	Gmdrm	hypo	CHH	-0.1108
Gm19	47903166	47904141	Gmdrm	hypo	CHH	-0.022
Gm19	47907205	47908169	Gmdrm	hypo	CHH	-0.0171
Gm19	47908324	47909324	Gmdrm	hypo	CHH	-0.0192
Gm19	47912329	47913328	Gmdrm	hypo	CHH	-0.0317
Gm19	47913330	47914319	Gmdrm	hypo	CHH	-0.0646
Gm19	47915339	47916327	Gmdrm	hypo	CHH	-0.0121
Gm19	47917877	47918863	Gmdrm	hypo	CHH	-0.0113
Gm19	47924405	47925390	Gmdrm	hypo	CHH	-0.0191
Gm19	47925935	47926924	Gmdrm	hypo	CHH	-0.2227
Gm19	47927103	47928090	Gmdrm	hypo	CHH	-0.1144
Gm19	47943808	47944806	Gmdrm	hypo	CHH	-0.0374
Gm19	47945813	47946351	Gmdrm	hypo	CHH	-0.2933
Gm19	47946699	47946911	Gmdrm	hypo	CHH	-0.1813
Gm19	47948027	47949015	Gmdrm	hypo	CHH	-0.0576
Gm19	47959123	47959532	Gmdrm	hypo	CHH	-0.2739
Gm19	47959740	47960704	Gmdrm	hypo	CHH	-0.0762
Gm19	47965038	47965167	Gmdrm	hypo	CHH	-0.08
Gm19	47968351	47969308	Gmdrm	hypo	CHH	-0.0169
Gm19	47971224	47972217	Gmdrm	hypo	CHH	-0.1507
Gm19	47976009	47976790	Gmdrm	hypo	CHH	-0.0646

Gm19	47991517	47992514	Gmdrm	hypo	CHH	-0.0169
Gm19	47992521	47993511	Gmdrm	hypo	CHH	-0.0916
Gm19	47997980	47998372	Gmdrm	hypo	CHH	-0.0568
Gm19	48009447	48010430	Gmdrm	hypo	CHH	-0.1578
Gm19	48013948	48014736	Gmdrm	hypo	CHH	-0.1947
Gm19	48022248	48022582	Gmdrm	hypo	CHH	-0.102
Gm19	48042849	48043849	Gmdrm	hypo	CHH	-0.0689
Gm19	48066406	48067406	Gmdrm	hypo	CHH	-0.0444
Gm19	48067417	48068304	Gmdrm	hypo	CHH	-0.052
Gm19	48079164	48080152	Gmdrm	hypo	CHH	-0.0368
Gm19	48082002	48083002	Gmdrm	hypo	CHH	-0.02
Gm19	48083015	48083219	Gmdrm	hypo	CHH	-0.04
Gm19	48090833	48091826	Gmdrm	hypo	CHH	-0.049
Gm19	48091835	48092821	Gmdrm	hypo	CHH	-0.0335
Gm19	48092849	48093664	Gmdrm	hypo	CHH	-0.0405
Gm19	48093788	48094778	Gmdrm	hypo	CHH	-0.0259
Gm19	48109666	48110662	Gmdrm	hypo	CHH	-0.0118
Gm19	48110702	48111699	Gmdrm	hypo	CHH	-0.1276
Gm19	48111703	48112695	Gmdrm	hypo	CHH	-0.2967
Gm19	48114888	48115859	Gmdrm	hypo	CHH	-0.0146
Gm19	48115891	48116877	Gmdrm	hypo	CHH	-0.0161
Gm19	48116914	48117192	Gmdrm	hypo	CHH	-0.0496
Gm19	48118145	48119131	Gmdrm	hypo	CHH	-0.2947
Gm19	48120181	48121165	Gmdrm	hypo	CHH	-0.0565
Gm19	48126993	48127969	Gmdrm	hypo	CHH	-0.0992
Gm19	48137063	48138061	Gmdrm	hypo	CHH	-0.0541
Gm19	48144075	48144260	Gmdrm	hypo	CHH	-0.2827
Gm19	48144517	48145490	Gmdrm	hypo	CHH	-0.2835
Gm19	48156246	48157241	Gmdrm	hypo	CHH	-0.2986
Gm19	48158500	48159500	Gmdrm	hypo	CHH	-0.0266
Gm19	48165613	48166611	Gmdrm	hypo	CHH	-0.133
Gm19	48166633	48167178	Gmdrm	hypo	CHH	-0.0611
Gm19	48167299	48168269	Gmdrm	hypo	CHH	-0.1792
Gm19	48168308	48168921	Gmdrm	hypo	CHH	-0.0135
Gm19	48171742	48172733	Gmdrm	hypo	CHH	-0.0302
Gm19	48172753	48172880	Gmdrm	hypo	CHH	-0.105
Gm19	48173348	48174346	Gmdrm	hypo	CHH	-0.1414
Gm19	48174350	48174900	Gmdrm	hypo	CHH	-0.2782
Gm19	48176303	48177296	Gmdrm	hypo	CHH	-0.0896
Gm19	48178336	48178419	Gmdrm	hypo	CHH	-0.048
Gm19	48183069	48184064	Gmdrm	hypo	CHH	-0.0333
Gm19	48199759	48200757	Gmdrm	hypo	CHH	-0.0986
Gm19	48200761	48201752	Gmdrm	hypo	CHH	-0.1043
Gm19	48207630	48208604	Gmdrm	hypo	CHH	-0.0203
Gm19	48229893	48230891	Gmdrm	hypo	CHH	-0.0165
Gm19	48233984	48234953	Gmdrm	hypo	CHH	-0.0662

Gm19	48251024	48251618	Gmdrm	hypo	CHH	-0.0407
Gm19	48262710	48263705	Gmdrm	hypo	CHH	-0.0896
Gm19	48263716	48263936	Gmdrm	hypo	CHH	-0.2933
Gm19	48276843	48277150	Gmdrm	hypo	CHH	-0.041
Gm19	48278904	48279885	Gmdrm	hypo	CHH	-0.1847
Gm19	48279958	48280951	Gmdrm	hypo	CHH	-0.0732
Gm19	48281117	48282096	Gmdrm	hypo	CHH	-0.0159
Gm19	48299089	48300088	Gmdrm	hypo	CHH	-0.023
Gm19	48300091	48301086	Gmdrm	hypo	CHH	-0.033
Gm19	48301092	48302084	Gmdrm	hypo	CHH	-0.1232
Gm19	48304137	48304409	Gmdrm	hypo	CHH	-0.0613
Gm19	48315651	48316625	Gmdrm	hypo	CHH	-0.0621
Gm19	48330416	48331388	Gmdrm	hypo	CHH	-0.0284
Gm19	48335484	48336464	Gmdrm	hypo	CHH	-0.0124
Gm19	48349384	48350147	Gmdrm	hypo	CHH	-0.0867
Gm19	48351369	48352349	Gmdrm	hypo	CHH	-0.0138
Gm19	48358858	48359835	Gmdrm	hypo	CHH	-0.0847
Gm19	48359867	48360564	Gmdrm	hypo	CHH	-0.0193
Gm19	48361726	48362714	Gmdrm	hypo	CHH	-0.2017
Gm19	48362732	48363213	Gmdrm	hypo	CHH	-0.3531
Gm19	48365347	48366326	Gmdrm	hypo	CHH	-0.0161
Gm19	48370110	48371107	Gmdrm	hypo	CHH	-0.0216
Gm19	48372183	48373181	Gmdrm	hypo	CHH	-0.0144
Gm19	48380464	48380668	Gmdrm	hypo	CHH	-0.03
Gm19	48386221	48387216	Gmdrm	hypo	CHH	-0.037
Gm19	48389359	48390358	Gmdrm	hypo	CHH	-0.0234
Gm19	48390370	48391365	Gmdrm	hypo	CHH	-0.0358
Gm19	48392381	48393367	Gmdrm	hypo	CHH	-0.0748
Gm19	48399991	48400495	Gmdrm	hypo	CHH	-0.0282
Gm19	48409983	48410501	Gmdrm	hypo	CHH	-0.1333
Gm19	48413101	48414101	Gmdrm	hypo	CHH	-0.0195
Gm19	48419997	48420997	Gmdrm	hypo	CHH	-0.205
Gm19	48420998	48421978	Gmdrm	hypo	CHH	-0.0453
Gm19	48432788	48433745	Gmdrm	hypo	CHH	-0.0221
Gm19	48434844	48435587	Gmdrm	hypo	CHH	-0.019
Gm19	48448445	48449434	Gmdrm	hypo	CHH	-0.0317
Gm19	48450100	48451095	Gmdrm	hypo	CHH	-0.0731
Gm19	48451107	48452101	Gmdrm	hypo	CHH	-0.0979
Gm19	48452121	48453102	Gmdrm	hypo	CHH	-0.0455
Gm19	48459900	48460001	Gmdrm	hypo	CHH	-0.07
Gm19	48471455	48472431	Gmdrm	hypo	CHH	-0.0284
Gm19	48482669	48483660	Gmdrm	hypo	CHH	-0.0441
Gm19	48483671	48484640	Gmdrm	hypo	CHH	-0.0421
Gm19	48492022	48493009	Gmdrm	hypo	CHH	-0.0214
Gm19	48498189	48499188	Gmdrm	hypo	CHH	-0.0714
Gm19	48499199	48500193	Gmdrm	hypo	CHH	-0.0135

Gm19	48513692	48514010 Gmdrm	hypo	CHH	-0.0441
Gm19	48516819	48517817 Gmdrm	hypo	CHH	-0.0628
Gm19	48517830	48518825 Gmdrm	hypo	CHH	-0.0471
Gm19	48523199	48524192 Gmdrm	hypo	CHH	-0.0186
Gm19	48532746	48533746 Gmdrm	hypo	CHH	-0.0156
Gm19	48536609	48537602 Gmdrm	hypo	CHH	-0.017
Gm19	48542764	48543341 Gmdrm	hypo	CHH	-0.0187
Gm19	48550397	48551092 Gmdrm	hypo	CHH	-0.2948
Gm19	48552596	48553256 Gmdrm	hypo	CHH	-0.0243
Gm19	48564614	48564869 Gmdrm	hypo	CHH	-0.0673
Gm19	48565922	48566918 Gmdrm	hypo	CHH	-0.0444
Gm19	48566960	48567936 Gmdrm	hypo	CHH	-0.1058
Gm19	48570023	48571022 Gmdrm	hypo	CHH	-0.1727
Gm19	48571034	48571970 Gmdrm	hypo	CHH	-0.1524
Gm19	48577683	48578678 Gmdrm	hypo	CHH	-0.027
Gm19	48578696	48579630 Gmdrm	hypo	CHH	-0.0101
Gm19	48580760	48581723 Gmdrm	hypo	CHH	-0.0149
Gm19	48589463	48590443 Gmdrm	hypo	CHH	-0.0673
Gm19	48592513	48593508 Gmdrm	hypo	CHH	-0.0708
Gm19	48594984	48595175 Gmdrm	hypo	CHH	-0.1091
Gm19	48603429	48604414 Gmdrm	hypo	CHH	-0.3581
Gm19	48604430	48605243 Gmdrm	hypo	CHH	-0.2627
Gm19	48611201	48612194 Gmdrm	hypo	CHH	-0.1095
Gm19	48624982	48625479 Gmdrm	hypo	CHH	-0.0182
Gm19	48634333	48635212 Gmdrm	hypo	CHH	-0.0298
Gm19	48636348	48637346 Gmdrm	hypo	CHH	-0.0647
Gm19	48641863	48642859 Gmdrm	hypo	CHH	-0.0669
Gm19	48644506	48645245 Gmdrm	hypo	CHH	-0.0249
Gm19	48658822	48659811 Gmdrm	hypo	CHH	-0.0985
Gm19	48673882	48674869 Gmdrm	hypo	CHH	-0.0405
Gm19	48674900	48675900 Gmdrm	hypo	CHH	-0.2181
Gm19	48675901	48676885 Gmdrm	hypo	CHH	-0.1401
Gm19	48682477	48683476 Gmdrm	hypo	CHH	-0.0985
Gm19	48683479	48684467 Gmdrm	hypo	CHH	-0.0467
Gm19	48694299	48695272 Gmdrm	hypo	CHH	-0.0408
Gm19	48702117	48703115 Gmdrm	hypo	CHH	-0.2032
Gm19	48703121	48703193 Gmdrm	hypo	CHH	-0.1186
Gm19	48703494	48704491 Gmdrm	hypo	CHH	-0.2041
Gm19	48704498	48705469 Gmdrm	hypo	CHH	-0.0332
Gm19	48709414	48710402 Gmdrm	hypo	CHH	-0.0172
Gm19	48717821	48718821 Gmdrm	hypo	CHH	-0.101
Gm19	48718827	48719807 Gmdrm	hypo	CHH	-0.0707
Gm19	48719832	48720808 Gmdrm	hypo	CHH	-0.0248
Gm19	48736695	48737675 Gmdrm	hypo	CHH	-0.0145
Gm19	48752027	48753021 Gmdrm	hypo	CHH	-0.1234
Gm19	48756417	48757415 Gmdrm	hypo	CHH	-0.0951

Gm19	48761439	48762428	Gmdrm	hypo	CHH	-0.2426
Gm19	48764973	48765973	Gmdrm	hypo	CHH	-0.0817
Gm19	48765985	48766981	Gmdrm	hypo	CHH	-0.0289
Gm19	48771819	48772816	Gmdrm	hypo	CHH	-0.011
Gm19	48782464	48783460	Gmdrm	hypo	CHH	-0.0513
Gm19	48783467	48784467	Gmdrm	hypo	CHH	-0.0973
Gm19	48788327	48789327	Gmdrm	hypo	CHH	-0.0204
Gm19	48796925	48797907	Gmdrm	hypo	CHH	-0.0675
Gm19	48797932	48798931	Gmdrm	hypo	CHH	-0.0669
Gm19	48806786	48807781	Gmdrm	hypo	CHH	-0.0405
Gm19	48809137	48809492	Gmdrm	hypo	CHH	-0.0511
Gm19	48837749	48838748	Gmdrm	hypo	CHH	-0.0621
Gm19	48838750	48839742	Gmdrm	hypo	CHH	-0.0775
Gm19	48856327	48856762	Gmdrm	hypo	CHH	-0.0207
Gm19	48862871	48863864	Gmdrm	hypo	CHH	-0.1535
Gm19	48863875	48864851	Gmdrm	hypo	CHH	-0.0663
Gm19	48867869	48868868	Gmdrm	hypo	CHH	-0.0691
Gm19	48868879	48869873	Gmdrm	hypo	CHH	-0.051
Gm19	48871975	48872961	Gmdrm	hypo	CHH	-0.0272
Gm19	48882180	48883168	Gmdrm	hypo	CHH	-0.0123
Gm19	48883181	48884180	Gmdrm	hypo	CHH	-0.0188
Gm19	48896342	48897322	Gmdrm	hypo	CHH	-0.0554
Gm19	48897365	48898327	Gmdrm	hypo	CHH	-0.0421
Gm19	48903391	48904304	Gmdrm	hypo	CHH	-0.0186
Gm19	48904720	48905710	Gmdrm	hypo	CHH	-0.0253
Gm19	48907603	48908601	Gmdrm	hypo	CHH	-0.0416
Gm19	48908605	48909605	Gmdrm	hypo	CHH	-0.0845
Gm19	48909610	48910606	Gmdrm	hypo	CHH	-0.067
Gm19	48910611	48911587	Gmdrm	hypo	CHH	-0.0375
Gm19	48918485	48919474	Gmdrm	hypo	CHH	-0.1517
Gm19	48933126	48933575	Gmdrm	hypo	CHH	-0.0837
Gm19	48954735	48955240	Gmdrm	hypo	CHH	-0.0262
Gm19	48957033	48958022	Gmdrm	hypo	CHH	-0.0275
Gm19	48958102	48959047	Gmdrm	hypo	CHH	-0.0944
Gm19	48970455	48971438	Gmdrm	hypo	CHH	-0.0339
Gm19	48987945	48988933	Gmdrm	hypo	CHH	-0.0139
Gm19	48995299	48996261	Gmdrm	hypo	CHH	-0.0184
Gm19	49002362	49003344	Gmdrm	hypo	CHH	-0.0153
Gm19	49008047	49009042	Gmdrm	hypo	CHH	-0.0137
Gm19	49023078	49024075	Gmdrm	hypo	CHH	-0.199
Gm19	49025196	49026182	Gmdrm	hypo	CHH	-0.0158
Gm19	49050147	49051147	Gmdrm	hypo	CHH	-0.1412
Gm19	49055209	49056159	Gmdrm	hypo	CHH	-0.0201
Gm19	49068958	49069957	Gmdrm	hypo	CHH	-0.0769
Gm19	49073549	49074546	Gmdrm	hypo	CHH	-0.1715
Gm19	49074556	49075525	Gmdrm	hypo	CHH	-0.0674

Gm19	49079230	49080226	Gmdrm	hypo	CHH	-0.1045
Gm19	49081238	49082235	Gmdrm	hypo	CHH	-0.0921
Gm19	49082243	49083230	Gmdrm	hypo	CHH	-0.0647
Gm19	49085640	49086637	Gmdrm	hypo	CHH	-0.0105
Gm19	49093309	49094301	Gmdrm	hypo	CHH	-0.062
Gm19	49100249	49101244	Gmdrm	hypo	CHH	-0.0731
Gm19	49101250	49102246	Gmdrm	hypo	CHH	-0.0777
Gm19	49107276	49108273	Gmdrm	hypo	CHH	-0.0154
Gm19	49109293	49110284	Gmdrm	hypo	CHH	-0.0217
Gm19	49112447	49113446	Gmdrm	hypo	CHH	-0.0365
Gm19	49118321	49119311	Gmdrm	hypo	CHH	-0.0184
Gm19	49119325	49120317	Gmdrm	hypo	CHH	-0.0128
Gm19	49132933	49133921	Gmdrm	hypo	CHH	-0.014
Gm19	49142791	49143777	Gmdrm	hypo	CHH	-0.019
Gm19	49169651	49170604	Gmdrm	hypo	CHH	-0.1534
Gm19	49178848	49179840	Gmdrm	hypo	CHH	-0.2082
Gm19	49179865	49179928	Gmdrm	hypo	CHH	-0.064
Gm19	49180107	49180737	Gmdrm	hypo	CHH	-0.2293
Gm19	49180874	49181693	Gmdrm	hypo	CHH	-0.0149
Gm19	49186437	49187435	Gmdrm	hypo	CHH	-0.0142
Gm19	49204703	49204876	Gmdrm	hypo	CHH	-0.12
Gm19	49207726	49208714	Gmdrm	hypo	CHH	-0.1343
Gm19	49222217	49223190	Gmdrm	hypo	CHH	-0.0333
Gm19	49229964	49230957	Gmdrm	hypo	CHH	-0.0154
Gm19	49260601	49261184	Gmdrm	hypo	CHH	-0.0391
Gm19	49261352	49261813	Gmdrm	hypo	CHH	-0.2115
Gm19	49263077	49264068	Gmdrm	hypo	CHH	-0.016
Gm19	49280112	49281110	Gmdrm	hypo	CHH	-0.1529
Gm19	49288782	49289779	Gmdrm	hypo	CHH	-0.0967
Gm19	49289796	49290791	Gmdrm	hypo	CHH	-0.0869
Gm19	49290800	49291791	Gmdrm	hypo	CHH	-0.105
Gm19	49293054	49294050	Gmdrm	hypo	CHH	-0.0241
Gm19	49299181	49300181	Gmdrm	hypo	CHH	-0.2666
Gm19	49307234	49308133	Gmdrm	hypo	CHH	-0.1427
Gm19	49313491	49314479	Gmdrm	hypo	CHH	-0.0127
Gm19	49319810	49320807	Gmdrm	hypo	CHH	-0.0964
Gm19	49320811	49321763	Gmdrm	hypo	CHH	-0.0489
Gm19	49321892	49322874	Gmdrm	hypo	CHH	-0.0351
Gm19	49329065	49330053	Gmdrm	hypo	CHH	-0.0688
Gm19	49330071	49331071	Gmdrm	hypo	CHH	-0.0546
Gm19	49338677	49339668	Gmdrm	hypo	CHH	-0.0359
Gm19	49339681	49340658	Gmdrm	hypo	CHH	-0.0151
Gm19	49340686	49340914	Gmdrm	hypo	CHH	-0.047
Gm19	49355843	49356842	Gmdrm	hypo	CHH	-0.034
Gm19	49356852	49357826	Gmdrm	hypo	CHH	-0.019
Gm19	49365117	49365213	Gmdrm	hypo	CHH	-0.1

Gm19	49385385	49386360	Gmdrm	hypo	CHH	-0.0243
Gm19	49387726	49388658	Gmdrm	hypo	CHH	-0.0199
Gm19	49391686	49392227	Gmdrm	hypo	CHH	-0.0625
Gm19	49392426	49393424	Gmdrm	hypo	CHH	-0.2748
Gm19	49400229	49400438	Gmdrm	hypo	CHH	-0.042
Gm19	49401706	49402702	Gmdrm	hypo	CHH	-0.056
Gm19	49402713	49403521	Gmdrm	hypo	CHH	-0.0774
Gm19	49403692	49404689	Gmdrm	hypo	CHH	-0.0368
Gm19	49404699	49405695	Gmdrm	hypo	CHH	-0.0501
Gm19	49405707	49406706	Gmdrm	hypo	CHH	-0.0814
Gm19	49406733	49407713	Gmdrm	hypo	CHH	-0.0446
Gm19	49408755	49409754	Gmdrm	hypo	CHH	-0.0106
Gm19	49412533	49413004	Gmdrm	hypo	CHH	-0.0155
Gm19	49414122	49415111	Gmdrm	hypo	CHH	-0.0346
Gm19	49418183	49419183	Gmdrm	hypo	CHH	-0.0152
Gm19	49419486	49420483	Gmdrm	hypo	CHH	-0.2259
Gm19	49433502	49434488	Gmdrm	hypo	CHH	-0.0639
Gm19	49439091	49440083	Gmdrm	hypo	CHH	-0.0194
Gm19	49456381	49457376	Gmdrm	hypo	CHH	-0.0537
Gm19	49466281	49467279	Gmdrm	hypo	CHH	-0.1845
Gm19	49467287	49468274	Gmdrm	hypo	CHH	-0.1789
Gm19	49471723	49472054	Gmdrm	hypo	CHH	-0.0184
Gm19	49479304	49479737	Gmdrm	hypo	CHH	-0.1016
Gm19	49484002	49484993	Gmdrm	hypo	CHH	-0.2056
Gm19	49499116	49499444	Gmdrm	hypo	CHH	-0.0434
Gm19	49505067	49506067	Gmdrm	hypo	CHH	-0.1298
Gm19	49506680	49507254	Gmdrm	hypo	CHH	-0.2536
Gm19	49514481	49515463	Gmdrm	hypo	CHH	-0.0146
Gm19	49515494	49516441	Gmdrm	hypo	CHH	-0.0176
Gm19	49517525	49518511	Gmdrm	hypo	CHH	-0.0106
Gm19	49524731	49525718	Gmdrm	hypo	CHH	-0.0189
Gm19	49527797	49528797	Gmdrm	hypo	CHH	-0.0219
Gm19	49528818	49529767	Gmdrm	hypo	CHH	-0.216
Gm19	49532408	49533385	Gmdrm	hypo	CHH	-0.0201
Gm19	49536622	49537616	Gmdrm	hypo	CHH	-0.1423
Gm19	49561066	49562056	Gmdrm	hypo	CHH	-0.0195
Gm19	49563079	49564077	Gmdrm	hypo	CHH	-0.0319
Gm19	49564083	49564718	Gmdrm	hypo	CHH	-0.133
Gm19	49572672	49573644	Gmdrm	hypo	CHH	-0.2308
Gm19	49576707	49577201	Gmdrm	hypo	CHH	-0.0368
Gm19	49580936	49581918	Gmdrm	hypo	CHH	-0.0359
Gm19	49598061	49598614	Gmdrm	hypo	CHH	-0.0167
Gm19	49601712	49602104	Gmdrm	hypo	CHH	-0.0222
Gm19	49603622	49604603	Gmdrm	hypo	CHH	-0.0209
Gm19	49617258	49618254	Gmdrm	hypo	CHH	-0.0134
Gm19	49628948	49629914	Gmdrm	hypo	CHH	-0.0351

Gm19	49632623	49632825	Gmdrm	hypo	CHH	-0.0323
Gm19	49633967	49634212	Gmdrm	hypo	CHH	-0.0232
Gm19	49646297	49646401	Gmdrm	hypo	CHH	-0.075
Gm19	49647193	49648166	Gmdrm	hypo	CHH	-0.0712
Gm19	49656620	49657619	Gmdrm	hypo	CHH	-0.033
Gm19	49677073	49677956	Gmdrm	hypo	CHH	-0.0238
Gm19	49692158	49692516	Gmdrm	hypo	CHH	-0.0206
Gm19	49708810	49709807	Gmdrm	hypo	CHH	-0.1386
Gm19	49709819	49710800	Gmdrm	hypo	CHH	-0.1084
Gm19	49710826	49711816	Gmdrm	hypo	CHH	-0.0359
Gm19	49711829	49712826	Gmdrm	hypo	CHH	-0.0661
Gm19	49713969	49714294	Gmdrm	hypo	CHH	-0.0495
Gm19	49719818	49720816	Gmdrm	hypo	CHH	-0.0253
Gm19	49720823	49721750	Gmdrm	hypo	CHH	-0.042
Gm19	49735364	49735985	Gmdrm	hypo	CHH	-0.0469
Gm19	49742908	49743896	Gmdrm	hypo	CHH	-0.1736
Gm19	49743910	49744893	Gmdrm	hypo	CHH	-0.1698
Gm19	49744961	49745949	Gmdrm	hypo	CHH	-0.0208
Gm19	49745972	49746972	Gmdrm	hypo	CHH	-0.0303
Gm19	49752041	49753035	Gmdrm	hypo	CHH	-0.0724
Gm19	49766101	49767091	Gmdrm	hypo	CHH	-0.0554
Gm19	49767103	49768061	Gmdrm	hypo	CHH	-0.1234
Gm19	49768108	49768434	Gmdrm	hypo	CHH	-0.1879
Gm19	49770733	49771423	Gmdrm	hypo	CHH	-0.0222
Gm19	49771633	49772630	Gmdrm	hypo	CHH	-0.0136
Gm19	49782037	49782994	Gmdrm	hypo	CHH	-0.0229
Gm19	49783044	49784026	Gmdrm	hypo	CHH	-0.0908
Gm19	49785107	49785439	Gmdrm	hypo	CHH	-0.0253
Gm19	49804377	49805377	Gmdrm	hypo	CHH	-0.0262
Gm19	49805388	49806373	Gmdrm	hypo	CHH	-0.0285
Gm19	49821213	49822189	Gmdrm	hypo	CHH	-0.3773
Gm19	49840583	49841582	Gmdrm	hypo	CHH	-0.0877
Gm19	49846295	49847242	Gmdrm	hypo	CHH	-0.0453
Gm19	49857359	49858349	Gmdrm	hypo	CHH	-0.0314
Gm19	49865991	49866984	Gmdrm	hypo	CHH	-0.047
Gm19	49866992	49867990	Gmdrm	hypo	CHH	-0.0787
Gm19	49867995	49868991	Gmdrm	hypo	CHH	-0.0172
Gm19	49868997	49869926	Gmdrm	hypo	CHH	-0.0162
Gm19	49875091	49875774	Gmdrm	hypo	CHH	-0.066
Gm19	49884991	49885488	Gmdrm	hypo	CHH	-0.0359
Gm19	49886499	49886585	Gmdrm	hypo	CHH	-0.082
Gm19	49886807	49887807	Gmdrm	hypo	CHH	-0.0163
Gm19	49888822	49889821	Gmdrm	hypo	CHH	-0.0624
Gm19	49889830	49890783	Gmdrm	hypo	CHH	-0.0678
Gm19	49893573	49894572	Gmdrm	hypo	CHH	-0.0287
Gm19	49894586	49895584	Gmdrm	hypo	CHH	-0.0203

Gm19	49900740	49901736	Gmdrm	hypo	CHH	-0.0111
Gm19	49907678	49907789	Gmdrm	hypo	CHH	-0.084
Gm19	49922461	49922576	Gmdrm	hypo	CHH	-0.03
Gm19	49924493	49925493	Gmdrm	hypo	CHH	-0.0208
Gm19	49925495	49926492	Gmdrm	hypo	CHH	-0.0544
Gm19	49927525	49928471	Gmdrm	hypo	CHH	-0.0635
Gm19	49930248	49931246	Gmdrm	hypo	CHH	-0.0248
Gm19	49935100	49936031	Gmdrm	hypo	CHH	-0.0104
Gm19	49936472	49937441	Gmdrm	hypo	CHH	-0.014
Gm19	49941870	49942048	Gmdrm	hypo	CHH	-0.0376
Gm19	49949297	49950281	Gmdrm	hypo	CHH	-0.0123
Gm19	49950307	49950526	Gmdrm	hypo	CHH	-0.0364
Gm19	49957779	49958773	Gmdrm	hypo	CHH	-0.0148
Gm19	49960633	49961632	Gmdrm	hypo	CHH	-0.0975
Gm19	49963664	49964662	Gmdrm	hypo	CHH	-0.0321
Gm19	49964665	49965639	Gmdrm	hypo	CHH	-0.0639
Gm19	49965699	49966118	Gmdrm	hypo	CHH	-0.0269
Gm19	49976906	49977905	Gmdrm	hypo	CHH	-0.0203
Gm19	49977913	49978706	Gmdrm	hypo	CHH	-0.0403
Gm19	50003923	50004921	Gmdrm	hypo	CHH	-0.0224
Gm19	50004924	50005897	Gmdrm	hypo	CHH	-0.0508
Gm19	50005935	50006925	Gmdrm	hypo	CHH	-0.062
Gm19	50006944	50007936	Gmdrm	hypo	CHH	-0.0274
Gm19	50008557	50009543	Gmdrm	hypo	CHH	-0.0228
Gm19	50018366	50019366	Gmdrm	hypo	CHH	-0.2181
Gm19	50032127	50032257	Gmdrm	hypo	CHH	-0.0815
Gm19	50033375	50033886	Gmdrm	hypo	CHH	-0.5767
Gm19	50034245	50035227	Gmdrm	hypo	CHH	-0.0457
Gm19	50047078	50048068	Gmdrm	hypo	CHH	-0.0186
Gm19	50070148	50071147	Gmdrm	hypo	CHH	-0.0118
Gm19	50071153	50072150	Gmdrm	hypo	CHH	-0.1255
Gm19	50072159	50072919	Gmdrm	hypo	CHH	-0.0709
Gm19	50076102	50077090	Gmdrm	hypo	CHH	-0.0634
Gm19	50087633	50088633	Gmdrm	hypo	CHH	-0.0599
Gm19	50088636	50089613	Gmdrm	hypo	CHH	-0.1338
Gm19	50089645	50090595	Gmdrm	hypo	CHH	-0.0859
Gm19	50122201	50123199	Gmdrm	hypo	CHH	-0.0256
Gm19	50128409	50129402	Gmdrm	hypo	CHH	-0.2146
Gm19	50129424	50130370	Gmdrm	hypo	CHH	-0.0154
Gm19	50134648	50135640	Gmdrm	hypo	CHH	-0.0169
Gm19	50136654	50137652	Gmdrm	hypo	CHH	-0.1268
Gm19	50137655	50138653	Gmdrm	hypo	CHH	-0.1291
Gm19	50140921	50141903	Gmdrm	hypo	CHH	-0.1586
Gm19	50154771	50155733	Gmdrm	hypo	CHH	-0.0171
Gm19	50160741	50161723	Gmdrm	hypo	CHH	-0.0414
Gm19	50164139	50165131	Gmdrm	hypo	CHH	-0.1251

Gm19	50169639	50170621	Gmdrm	hypo	CHH	-0.0187
Gm19	50184937	50185232	Gmdrm	hypo	CHH	-0.0391
Gm19	50187526	50188524	Gmdrm	hypo	CHH	-0.0269
Gm19	50201984	50202977	Gmdrm	hypo	CHH	-0.0186
Gm19	50204031	50205023	Gmdrm	hypo	CHH	-0.019
Gm19	50210325	50210465	Gmdrm	hypo	CHH	-0.02
Gm19	50219038	50219203	Gmdrm	hypo	CHH	-0.052
Gm19	50222049	50223049	Gmdrm	hypo	CHH	-0.1562
Gm19	50223051	50224042	Gmdrm	hypo	CHH	-0.1161
Gm19	50225079	50225816	Gmdrm	hypo	CHH	-0.0327
Gm19	50238692	50239691	Gmdrm	hypo	CHH	-0.094
Gm19	50239694	50240680	Gmdrm	hypo	CHH	-0.0956
Gm19	50241077	50242077	Gmdrm	hypo	CHH	-0.0395
Gm19	50242082	50243082	Gmdrm	hypo	CHH	-0.2002
Gm19	50243090	50243930	Gmdrm	hypo	CHH	-0.0748
Gm19	50248345	50249313	Gmdrm	hypo	CHH	-0.0451
Gm19	50253104	50254099	Gmdrm	hypo	CHH	-0.041
Gm19	50254106	50255079	Gmdrm	hypo	CHH	-0.0866
Gm19	50258025	50258508	Gmdrm	hypo	CHH	-0.038
Gm19	50266555	50267528	Gmdrm	hypo	CHH	-0.1085
Gm19	50268253	50269253	Gmdrm	hypo	CHH	-0.1347
Gm19	50269255	50270229	Gmdrm	hypo	CHH	-0.2697
Gm19	50272286	50272891	Gmdrm	hypo	CHH	-0.0226
Gm19	50274358	50274956	Gmdrm	hypo	CHH	-0.0203
Gm19	50277289	50278266	Gmdrm	hypo	CHH	-0.0137
Gm19	50283155	50284138	Gmdrm	hypo	CHH	-0.02
Gm19	50284922	50285916	Gmdrm	hypo	CHH	-0.1222
Gm19	50285946	50286927	Gmdrm	hypo	CHH	-0.018
Gm19	50286975	50287957	Gmdrm	hypo	CHH	-0.0588
Gm19	50292706	50292846	Gmdrm	hypo	CHH	-0.06
Gm19	50292964	50293955	Gmdrm	hypo	CHH	-0.034
Gm19	50295032	50295826	Gmdrm	hypo	CHH	-0.0242
Gm19	50297161	50298160	Gmdrm	hypo	CHH	-0.0202
Gm19	50308853	50309848	Gmdrm	hypo	CHH	-0.0139
Gm19	50316632	50317626	Gmdrm	hypo	CHH	-0.031
Gm19	50320680	50321665	Gmdrm	hypo	CHH	-0.0451
Gm19	50322765	50323759	Gmdrm	hypo	CHH	-0.0193
Gm19	50326589	50327577	Gmdrm	hypo	CHH	-0.0139
Gm19	50330667	50331664	Gmdrm	hypo	CHH	-0.0119
Gm19	50340193	50341184	Gmdrm	hypo	CHH	-0.1347
Gm19	50355648	50356636	Gmdrm	hypo	CHH	-0.0267
Gm19	50360849	50361815	Gmdrm	hypo	CHH	-0.2359
Gm19	50370403	50371396	Gmdrm	hypo	CHH	-0.0334
Gm19	50371405	50371613	Gmdrm	hypo	CHH	-0.0308
Gm19	50373755	50374746	Gmdrm	hypo	CHH	-0.0169
Gm19	50375805	50375903	Gmdrm	hypo	CHH	-0.03

Gm19	50381554	50382294	Gmdrm	hypo	CHH	-0.0113
Gm19	50382574	50383568	Gmdrm	hypo	CHH	-0.0144
Gm19	50385859	50386856	Gmdrm	hypo	CHH	-0.0157
Gm19	50399268	50400267	Gmdrm	hypo	CHH	-0.0622
Gm19	50400273	50400746	Gmdrm	hypo	CHH	-0.0974
Gm19	50403355	50404345	Gmdrm	hypo	CHH	-0.0717
Gm19	50404369	50405368	Gmdrm	hypo	CHH	-0.0261
Gm19	50411132	50412123	Gmdrm	hypo	CHH	-0.0846
Gm19	50427855	50428831	Gmdrm	hypo	CHH	-0.045
Gm19	50428856	50429851	Gmdrm	hypo	CHH	-0.0412
Gm19	50431884	50432883	Gmdrm	hypo	CHH	-0.0744
Gm19	50432911	50433905	Gmdrm	hypo	CHH	-0.0872
Gm19	50444422	50445182	Gmdrm	hypo	CHH	-0.036
Gm19	50452832	50453828	Gmdrm	hypo	CHH	-0.0152
Gm19	50453856	50454845	Gmdrm	hypo	CHH	-0.0144
Gm19	50462619	50463536	Gmdrm	hypo	CHH	-0.1733
Gm19	50469165	50470163	Gmdrm	hypo	CHH	-0.0235
Gm19	50480059	50481056	Gmdrm	hypo	CHH	-0.0259
Gm19	50481071	50482067	Gmdrm	hypo	CHH	-0.018
Gm19	50483770	50483833	Gmdrm	hypo	CHH	-0.0467
Gm19	50483941	50484876	Gmdrm	hypo	CHH	-0.0249
Gm19	50485967	50486403	Gmdrm	hypo	CHH	-0.5105
Gm19	50494733	50495672	Gmdrm	hypo	CHH	-0.1421
Gm19	50496125	50497122	Gmdrm	hypo	CHH	-0.1557
Gm19	50513815	50514808	Gmdrm	hypo	CHH	-0.0358
Gm19	50514817	50515655	Gmdrm	hypo	CHH	-0.078
Gm19	50518119	50519091	Gmdrm	hypo	CHH	-0.0134
Gm19	50528002	50528992	Gmdrm	hypo	CHH	-0.0313
Gm19	50573346	50574329	Gmdrm	hypo	CHH	-0.0397
Gm19	50574358	50575089	Gmdrm	hypo	CHH	-0.034
Gm19	50588528	50589515	Gmdrm	hypo	CHH	-0.2061
Gm19	50589532	50590526	Gmdrm	hypo	CHH	-0.0241
Gm19	50591548	50592527	Gmdrm	hypo	CHH	-0.0178
Gm19	50604284	50605280	Gmdrm	hypo	CHH	-0.0134
Gm19	50611312	50612312	Gmdrm	hypo	CHH	-0.0675
Gm19	50616394	50617363	Gmdrm	hypo	CHH	-0.0156
Gm19	50635783	50636781	Gmdrm	hypo	CHH	-0.0446
Gm19	50636784	50637773	Gmdrm	hypo	CHH	-0.0804
Gm19	50652002	50652629	Gmdrm	hypo	CHH	-0.0233
Gm19	50669285	50670282	Gmdrm	hypo	CHH	-0.1534
Gm19	50670295	50670679	Gmdrm	hypo	CHH	-0.1239
Gm19	50672036	50672732	Gmdrm	hypo	CHH	-0.0192
Gm19	50709710	50710709	Gmdrm	hypo	CHH	-0.0549
Gm19	50710715	50710919	Gmdrm	hypo	CHH	-0.0677
Gm19	50721033	50722012	Gmdrm	hypo	CHH	-0.0748
Gm19	50727551	50728548	Gmdrm	hypo	CHH	-0.0184

Gm19	50752892	50753892	Gmdrm	hypo	CHH	-0.1327
Gm19	50767679	50768676	Gmdrm	hypo	CHH	-0.0898
Gm19	50768711	50769703	Gmdrm	hypo	CHH	-0.063
Gm19	50769712	50770698	Gmdrm	hypo	CHH	-0.039
Gm19	50770891	50771507	Gmdrm	hypo	CHH	-0.0594
Gm19	50782851	50783834	Gmdrm	hypo	CHH	-0.0254
Gm19	50783854	50784843	Gmdrm	hypo	CHH	-0.0147
Gm19	50788258	50789249	Gmdrm	hypo	CHH	-0.0504
Gm19	50789271	50790251	Gmdrm	hypo	CHH	-0.0144
Gm19	50791512	50792512	Gmdrm	hypo	CHH	-0.1039
Gm19	50792514	50793501	Gmdrm	hypo	CHH	-0.0947
Gm19	50801273	50802225	Gmdrm	hypo	CHH	-0.1744
Gm19	50805325	50806294	Gmdrm	hypo	CHH	-0.0204
Gm19	50811918	50812503	Gmdrm	hypo	CHH	-0.0344
Gm19	50816327	50816452	Gmdrm	hypo	CHH	-0.03
Gm19	50820528	50821437	Gmdrm	hypo	CHH	-0.0226
Gm19	50827489	50828485	Gmdrm	hypo	CHH	-0.0287
Gm19	50837269	50838268	Gmdrm	hypo	CHH	-0.0778
Gm19	50838274	50839274	Gmdrm	hypo	CHH	-0.0273
Gm19	50847889	50848888	Gmdrm	hypo	CHH	-0.0452
Gm19	50849900	50850889	Gmdrm	hypo	CHH	-0.0451
Gm19	50852941	50853803	Gmdrm	hypo	CHH	-0.0214
Gm19	50857435	50858435	Gmdrm	hypo	CHH	-0.0683
Gm19	50858439	50859379	Gmdrm	hypo	CHH	-0.0435
Gm19	50860542	50861215	Gmdrm	hypo	CHH	-0.1275
Gm19	50862356	50863354	Gmdrm	hypo	CHH	-0.095
Gm19	50863365	50864365	Gmdrm	hypo	CHH	-0.0463
Gm19	50865398	50866396	Gmdrm	hypo	CHH	-0.0263
Gm19	50866402	50867400	Gmdrm	hypo	CHH	-0.1005
Gm19	50868335	50869115	Gmdrm	hypo	CHH	-0.0377
Gm19	50871293	50872286	Gmdrm	hypo	CHH	-0.0151
Gm19	50876947	50877946	Gmdrm	hypo	CHH	-0.0154
Gm19	50890292	50890488	Gmdrm	hypo	CHH	-0.0314
Gm19	50893048	50893732	Gmdrm	hypo	CHH	-0.0229
Gm19	50902008	50902530	Gmdrm	hypo	CHH	-0.0203
Gm19	50914477	50915477	Gmdrm	hypo	CHH	-0.02
Gm19	50927604	50928595	Gmdrm	hypo	CHH	-0.0481
Gm19	50928609	50929592	Gmdrm	hypo	CHH	-0.0304
Gm19	50930140	50931140	Gmdrm	hypo	CHH	-0.0624
Gm19	50933154	50934005	Gmdrm	hypo	CHH	-0.05
Gm19	50934746	50935044	Gmdrm	hypo	CHH	-0.0792
Gm19	50936347	50936763	Gmdrm	hypo	CHH	-0.0188
Gm19	50937901	50938898	Gmdrm	hypo	CHH	-0.0282
Gm19	50939907	50940905	Gmdrm	hypo	CHH	-0.0454
Gm19	50962548	50963538	Gmdrm	hypo	CHH	-0.0133
Gm19	50966651	50967651	Gmdrm	hypo	CHH	-0.0475

Gm19	50967655	50968453	Gmdrm	hypo	CHH	-0.0589
Gm19	50970918	50971917	Gmdrm	hypo	CHH	-0.0657
Gm19	50971920	50972920	Gmdrm	hypo	CHH	-0.0442
Gm19	50984050	50984180	Gmdrm	hypo	CHH	-0.0271
Gm19	50985078	50985114	Gmdrm	hypo	CHH	-0.19
Gm19	50991925	50992860	Gmdrm	hypo	CHH	-0.126
Gm19	50997448	50997912	Gmdrm	hypo	CHH	-0.0891
Gm19	50999416	51000407	Gmdrm	hypo	CHH	-0.261
Gm19	51000420	51001414	Gmdrm	hypo	CHH	-0.2299
Gm19	51022747	51023684	Gmdrm	hypo	CHH	-0.0191
Gm19	51026506	51027487	Gmdrm	hypo	CHH	-0.0163
Gm19	51035301	51035708	Gmdrm	hypo	CHH	-0.0479
Gm19	51036963	51037570	Gmdrm	hypo	CHH	-0.0532
Gm19	51041517	51042511	Gmdrm	hypo	CHH	-0.1364
Gm19	51042519	51043505	Gmdrm	hypo	CHH	-0.0613
Gm19	51053166	51054147	Gmdrm	hypo	CHH	-0.051
Gm19	51058978	51059212	Gmdrm	hypo	CHH	-0.107
Gm19	51061577	51062534	Gmdrm	hypo	CHH	-0.0158
Gm19	51069032	51070024	Gmdrm	hypo	CHH	-0.1353
Gm19	51075667	51075711	Gmdrm	hypo	CHH	-0.036
Gm19	51076570	51077518	Gmdrm	hypo	CHH	-0.0894
Gm19	51087089	51088081	Gmdrm	hypo	CHH	-0.0285
Gm19	51089116	51090082	Gmdrm	hypo	CHH	-0.1065
Gm19	51090164	51091162	Gmdrm	hypo	CHH	-0.0422
Gm19	51092170	51093160	Gmdrm	hypo	CHH	-0.1396
Gm19	51102108	51103089	Gmdrm	hypo	CHH	-0.0119
Gm19	51112161	51113159	Gmdrm	hypo	CHH	-0.0276
Gm19	51120249	51120996	Gmdrm	hypo	CHH	-0.0317
Gm19	51123127	51124110	Gmdrm	hypo	CHH	-0.0264
Gm19	51153832	51154828	Gmdrm	hypo	CHH	-0.0702
Gm19	51154856	51155569	Gmdrm	hypo	CHH	-0.0226
Gm19	51155672	51156665	Gmdrm	hypo	CHH	-0.0186
Gm19	51163024	51163386	Gmdrm	hypo	CHH	-0.04
Gm19	51176123	51177122	Gmdrm	hypo	CHH	-0.0497
Gm19	51177125	51178124	Gmdrm	hypo	CHH	-0.0504
Gm19	51179137	51180136	Gmdrm	hypo	CHH	-0.0517
Gm19	51180139	51181110	Gmdrm	hypo	CHH	-0.0364
Gm19	51185420	51186382	Gmdrm	hypo	CHH	-0.1229
Gm19	51232072	51233071	Gmdrm	hypo	CHH	-0.028
Gm19	51236185	51237174	Gmdrm	hypo	CHH	-0.0547
Gm19	51239286	51240286	Gmdrm	hypo	CHH	-0.0374
Gm19	51240287	51241252	Gmdrm	hypo	CHH	-0.029
Gm19	51241288	51242263	Gmdrm	hypo	CHH	-0.1389
Gm19	51247744	51247943	Gmdrm	hypo	CHH	-0.1152
Gm19	51256328	51256461	Gmdrm	hypo	CHH	-0.0367
Gm19	51262058	51263029	Gmdrm	hypo	CHH	-0.2047

Gm19	51267546	51268539	Gmdrm	hypo	CHH	-0.0127
Gm19	51271861	51272737	Gmdrm	hypo	CHH	-0.0239
Gm19_scaffol	245	1242	Gmdrm	hypo	CHH	-0.0616
Gm19_scaffol	1256	1476	Gmdrm	hypo	CHH	-0.053
Gm20	4358	5355	Gmdrm	hypo	CHH	-0.0831
Gm20	10270	11264	Gmdrm	hypo	CHH	-0.0864
Gm20	22059	23057	Gmdrm	hypo	CHH	-0.0635
Gm20	30065	31062	Gmdrm	hypo	CHH	-0.0704
Gm20	39842	40832	Gmdrm	hypo	CHH	-0.0261
Gm20	52001	52239	Gmdrm	hypo	CHH	-0.0478
Gm20	66190	66592	Gmdrm	hypo	CHH	-0.0214
Gm20	72077	73038	Gmdrm	hypo	CHH	-0.019
Gm20	80569	81337	Gmdrm	hypo	CHH	-0.0123
Gm20	82861	83860	Gmdrm	hypo	CHH	-0.0114
Gm20	85734	86193	Gmdrm	hypo	CHH	-0.0491
Gm20	89307	90304	Gmdrm	hypo	CHH	-0.0133
Gm20	110444	111433	Gmdrm	hypo	CHH	-0.0133
Gm20	113911	114653	Gmdrm	hypo	CHH	-0.1009
Gm20	119182	120156	Gmdrm	hypo	CHH	-0.0283
Gm20	140946	141333	Gmdrm	hypo	CHH	-0.046
Gm20	159417	160158	Gmdrm	hypo	CHH	-0.0195
Gm20	160698	161666	Gmdrm	hypo	CHH	-0.0292
Gm20	166942	167932	Gmdrm	hypo	CHH	-0.1062
Gm20	167954	168305	Gmdrm	hypo	CHH	-0.11
Gm20	172344	173321	Gmdrm	hypo	CHH	-0.1054
Gm20	173690	174669	Gmdrm	hypo	CHH	-0.0218
Gm20	177793	178772	Gmdrm	hypo	CHH	-0.0193
Gm20	187667	188095	Gmdrm	hypo	CHH	-0.161
Gm20	192947	193941	Gmdrm	hypo	CHH	-0.0123
Gm20	197380	198371	Gmdrm	hypo	CHH	-0.0804
Gm20	198390	198720	Gmdrm	hypo	CHH	-0.1768
Gm20	201705	202704	Gmdrm	hypo	CHH	-0.0622
Gm20	202708	203708	Gmdrm	hypo	CHH	-0.1213
Gm20	203713	204681	Gmdrm	hypo	CHH	-0.1229
Gm20	220941	221475	Gmdrm	hypo	CHH	-0.122
Gm20	221688	222239	Gmdrm	hypo	CHH	-0.0492
Gm20	222611	223337	Gmdrm	hypo	CHH	-0.0271
Gm20	223862	224707	Gmdrm	hypo	CHH	-0.1214
Gm20	224849	225090	Gmdrm	hypo	CHH	-0.115
Gm20	244780	245764	Gmdrm	hypo	CHH	-0.0554
Gm20	264897	265890	Gmdrm	hypo	CHH	-0.0211
Gm20	266548	267527	Gmdrm	hypo	CHH	-0.0243
Gm20	282585	283573	Gmdrm	hypo	CHH	-0.0282
Gm20	305487	306482	Gmdrm	hypo	CHH	-0.0619
Gm20	328775	329111	Gmdrm	hypo	CHH	-0.108
Gm20	334049	335005	Gmdrm	hypo	CHH	-0.0395

Gm20	338428	338742 Gmdrm	hypo	CHH	-0.0308
Gm20	342725	342962 Gmdrm	hypo	CHH	-0.0383
Gm20	352616	353590 Gmdrm	hypo	CHH	-0.0197
Gm20	354127	355120 Gmdrm	hypo	CHH	-0.0662
Gm20	364981	365975 Gmdrm	hypo	CHH	-0.0586
Gm20	392670	393660 Gmdrm	hypo	CHH	-0.0653
Gm20	393873	394873 Gmdrm	hypo	CHH	-0.1423
Gm20	394874	395873 Gmdrm	hypo	CHH	-0.1397
Gm20	408570	409546 Gmdrm	hypo	CHH	-0.0162
Gm20	409610	410606 Gmdrm	hypo	CHH	-0.0409
Gm20	412378	413348 Gmdrm	hypo	CHH	-0.0146
Gm20	429690	430685 Gmdrm	hypo	CHH	-0.03
Gm20	430695	431352 Gmdrm	hypo	CHH	-0.0265
Gm20	433886	434883 Gmdrm	hypo	CHH	-0.0183
Gm20	439441	439579 Gmdrm	hypo	CHH	-0.0646
Gm20	444862	445838 Gmdrm	hypo	CHH	-0.1123
Gm20	467449	468447 Gmdrm	hypo	CHH	-0.0552
Gm20	479749	480739 Gmdrm	hypo	CHH	-0.0207
Gm20	481779	482128 Gmdrm	hypo	CHH	-0.1814
Gm20	484809	485808 Gmdrm	hypo	CHH	-0.0182
Gm20	489544	490506 Gmdrm	hypo	CHH	-0.0187
Gm20	490567	491562 Gmdrm	hypo	CHH	-0.161
Gm20	491568	492566 Gmdrm	hypo	CHH	-0.0744
Gm20	500768	501009 Gmdrm	hypo	CHH	-0.0745
Gm20	502210	502919 Gmdrm	hypo	CHH	-0.0769
Gm20	505639	506556 Gmdrm	hypo	CHH	-0.0184
Gm20	506649	507648 Gmdrm	hypo	CHH	-0.0814
Gm20	512168	513163 Gmdrm	hypo	CHH	-0.0499
Gm20	532036	533025 Gmdrm	hypo	CHH	-0.0221
Gm20	535251	536186 Gmdrm	hypo	CHH	-0.0202
Gm20	552361	553329 Gmdrm	hypo	CHH	-0.0181
Gm20	586439	587433 Gmdrm	hypo	CHH	-0.0856
Gm20	601020	602013 Gmdrm	hypo	CHH	-0.1328
Gm20	608033	609011 Gmdrm	hypo	CHH	-0.0974
Gm20	621898	622896 Gmdrm	hypo	CHH	-0.0571
Gm20	630219	630568 Gmdrm	hypo	CHH	-0.0289
Gm20	644764	645764 Gmdrm	hypo	CHH	-0.0317
Gm20	646826	647819 Gmdrm	hypo	CHH	-0.0754
Gm20	647830	648807 Gmdrm	hypo	CHH	-0.0335
Gm20	654161	655161 Gmdrm	hypo	CHH	-0.1591
Gm20	659533	660525 Gmdrm	hypo	CHH	-0.047
Gm20	666171	667168 Gmdrm	hypo	CHH	-0.0293
Gm20	667178	667343 Gmdrm	hypo	CHH	-0.0562
Gm20	670492	671423 Gmdrm	hypo	CHH	-0.0254
Gm20	682383	683377 Gmdrm	hypo	CHH	-0.0314
Gm20	701129	702126 Gmdrm	hypo	CHH	-0.0375

Gm20	702130	703109 Gmdrm	hypo	CHH	-0.0427
Gm20	709763	710754 Gmdrm	hypo	CHH	-0.1061
Gm20	710775	711763 Gmdrm	hypo	CHH	-0.0389
Gm20	711789	712574 Gmdrm	hypo	CHH	-0.0339
Gm20	721084	721988 Gmdrm	hypo	CHH	-0.0137
Gm20	740484	741483 Gmdrm	hypo	CHH	-0.0205
Gm20	741490	741559 Gmdrm	hypo	CHH	-0.0467
Gm20	742948	743923 Gmdrm	hypo	CHH	-0.0539
Gm20	748990	749955 Gmdrm	hypo	CHH	-0.135
Gm20	750003	750990 Gmdrm	hypo	CHH	-0.036
Gm20	755006	755997 Gmdrm	hypo	CHH	-0.0443
Gm20	762769	763763 Gmdrm	hypo	CHH	-0.015
Gm20	763927	764604 Gmdrm	hypo	CHH	-0.2129
Gm20	769509	770453 Gmdrm	hypo	CHH	-0.0267
Gm20	778798	779797 Gmdrm	hypo	CHH	-0.0179
Gm20	780800	781473 Gmdrm	hypo	CHH	-0.0238
Gm20	789804	790786 Gmdrm	hypo	CHH	-0.0294
Gm20	794555	795552 Gmdrm	hypo	CHH	-0.1071
Gm20	795556	796513 Gmdrm	hypo	CHH	-0.0635
Gm20	796580	797580 Gmdrm	hypo	CHH	-0.0336
Gm20	797584	798567 Gmdrm	hypo	CHH	-0.1462
Gm20	863179	864162 Gmdrm	hypo	CHH	-0.0198
Gm20	870334	871334 Gmdrm	hypo	CHH	-0.1349
Gm20	877551	878536 Gmdrm	hypo	CHH	-0.0254
Gm20	878557	879342 Gmdrm	hypo	CHH	-0.2522
Gm20	879499	880486 Gmdrm	hypo	CHH	-0.192
Gm20	881506	882470 Gmdrm	hypo	CHH	-0.1323
Gm20	885536	886526 Gmdrm	hypo	CHH	-0.0417
Gm20	899953	900951 Gmdrm	hypo	CHH	-0.0813
Gm20	900989	901978 Gmdrm	hypo	CHH	-0.1568
Gm20	901992	902983 Gmdrm	hypo	CHH	-0.0169
Gm20	909819	910814 Gmdrm	hypo	CHH	-0.0435
Gm20	922074	923055 Gmdrm	hypo	CHH	-0.0135
Gm20	926390	926772 Gmdrm	hypo	CHH	-0.014
Gm20	926896	927890 Gmdrm	hypo	CHH	-0.0262
Gm20	935399	936380 Gmdrm	hypo	CHH	-0.0296
Gm20	958679	959677 Gmdrm	hypo	CHH	-0.0784
Gm20	959683	960680 Gmdrm	hypo	CHH	-0.074
Gm20	962721	963595 Gmdrm	hypo	CHH	-0.0244
Gm20	966382	967368 Gmdrm	hypo	CHH	-0.0635
Gm20	967386	968341 Gmdrm	hypo	CHH	-0.0612
Gm20	972710	973694 Gmdrm	hypo	CHH	-0.0652
Gm20	983741	984734 Gmdrm	hypo	CHH	-0.022
Gm20	984743	985544 Gmdrm	hypo	CHH	-0.0503
Gm20	992838	993335 Gmdrm	hypo	CHH	-0.0268
Gm20	1000566	1001566 Gmdrm	hypo	CHH	-0.0165

Gm20	1001568	1002535 Gmdrm	hypo	CHH	-0.0645
Gm20	1002866	1003266 Gmdrm	hypo	CHH	-0.022
Gm20	1006880	1007861 Gmdrm	hypo	CHH	-0.0218
Gm20	1016253	1017253 Gmdrm	hypo	CHH	-0.0188
Gm20	1017257	1018257 Gmdrm	hypo	CHH	-0.0447
Gm20	1021057	1022057 Gmdrm	hypo	CHH	-0.0529
Gm20	1043563	1044561 Gmdrm	hypo	CHH	-0.0472
Gm20	1048404	1049307 Gmdrm	hypo	CHH	-0.0267
Gm20	1054073	1055019 Gmdrm	hypo	CHH	-0.0186
Gm20	1055079	1056072 Gmdrm	hypo	CHH	-0.0204
Gm20	1070149	1071148 Gmdrm	hypo	CHH	-0.0324
Gm20	1071150	1071443 Gmdrm	hypo	CHH	-0.0322
Gm20	1071643	1072643 Gmdrm	hypo	CHH	-0.0814
Gm20	1078511	1079503 Gmdrm	hypo	CHH	-0.0195
Gm20	1079533	1079852 Gmdrm	hypo	CHH	-0.03
Gm20	1082011	1082106 Gmdrm	hypo	CHH	-0.05
Gm20	1082648	1082810 Gmdrm	hypo	CHH	-0.066
Gm20	1083397	1084397 Gmdrm	hypo	CHH	-0.0941
Gm20	1087428	1088427 Gmdrm	hypo	CHH	-0.0844
Gm20	1092573	1093572 Gmdrm	hypo	CHH	-0.1171
Gm20	1094610	1095577 Gmdrm	hypo	CHH	-0.0141
Gm20	1097827	1098818 Gmdrm	hypo	CHH	-0.0195
Gm20	1100910	1101908 Gmdrm	hypo	CHH	-0.0174
Gm20	1112279	1113221 Gmdrm	hypo	CHH	-0.0791
Gm20	1144235	1145222 Gmdrm	hypo	CHH	-0.0421
Gm20	1152125	1152237 Gmdrm	hypo	CHH	-0.062
Gm20	1169006	1169900 Gmdrm	hypo	CHH	-0.1205
Gm20	1191930	1192926 Gmdrm	hypo	CHH	-0.0492
Gm20	1193347	1194347 Gmdrm	hypo	CHH	-0.083
Gm20	1197220	1198217 Gmdrm	hypo	CHH	-0.0312
Gm20	1198224	1199224 Gmdrm	hypo	CHH	-0.0154
Gm20	1201373	1202370 Gmdrm	hypo	CHH	-0.0867
Gm20	1204398	1205394 Gmdrm	hypo	CHH	-0.0296
Gm20	1205399	1206396 Gmdrm	hypo	CHH	-0.2288
Gm20	1214469	1215446 Gmdrm	hypo	CHH	-0.0196
Gm20	1215509	1216509 Gmdrm	hypo	CHH	-0.036
Gm20	1216529	1217529 Gmdrm	hypo	CHH	-0.1042
Gm20	1221977	1222388 Gmdrm	hypo	CHH	-0.0357
Gm20	1227070	1227898 Gmdrm	hypo	CHH	-0.019
Gm20	1231590	1232147 Gmdrm	hypo	CHH	-0.0229
Gm20	1245382	1246381 Gmdrm	hypo	CHH	-0.1442
Gm20	1246393	1247137 Gmdrm	hypo	CHH	-0.1542
Gm20	1253055	1253322 Gmdrm	hypo	CHH	-0.0482
Gm20	1256489	1256721 Gmdrm	hypo	CHH	-0.0345
Gm20	1260449	1261442 Gmdrm	hypo	CHH	-0.0627
Gm20	1261453	1262451 Gmdrm	hypo	CHH	-0.0406

Gm20	1262457	1263455 Gmdrm	hypo	CHH	-0.1095
Gm20	1263465	1264457 Gmdrm	hypo	CHH	-0.0445
Gm20	1264474	1265154 Gmdrm	hypo	CHH	-0.083
Gm20	1265282	1266277 Gmdrm	hypo	CHH	-0.0629
Gm20	1266300	1267272 Gmdrm	hypo	CHH	-0.0448
Gm20	1267303	1268298 Gmdrm	hypo	CHH	-0.0589
Gm20	1268319	1269319 Gmdrm	hypo	CHH	-0.0295
Gm20	1269321	1270285 Gmdrm	hypo	CHH	-0.1376
Gm20	1270349	1271295 Gmdrm	hypo	CHH	-0.0691
Gm20	1272431	1273026 Gmdrm	hypo	CHH	-0.0317
Gm20	1279558	1280558 Gmdrm	hypo	CHH	-0.0268
Gm20	1289540	1289624 Gmdrm	hypo	CHH	-0.124
Gm20	1299792	1300477 Gmdrm	hypo	CHH	-0.0165
Gm20	1304502	1305471 Gmdrm	hypo	CHH	-0.0224
Gm20	1309097	1310079 Gmdrm	hypo	CHH	-0.0256
Gm20	1316871	1317851 Gmdrm	hypo	CHH	-0.0182
Gm20	1324117	1324761 Gmdrm	hypo	CHH	-0.2597
Gm20	1328145	1329141 Gmdrm	hypo	CHH	-0.0352
Gm20	1334734	1335719 Gmdrm	hypo	CHH	-0.0235
Gm20	1335745	1336744 Gmdrm	hypo	CHH	-0.0185
Gm20	1337962	1338959 Gmdrm	hypo	CHH	-0.0638
Gm20	1345894	1346390 Gmdrm	hypo	CHH	-0.1293
Gm20	1346633	1347044 Gmdrm	hypo	CHH	-0.2318
Gm20	1359979	1360927 Gmdrm	hypo	CHH	-0.1054
Gm20	1364533	1364881 Gmdrm	hypo	CHH	-0.0467
Gm20	1365220	1365329 Gmdrm	hypo	CHH	-0.0514
Gm20	1378136	1379106 Gmdrm	hypo	CHH	-0.0702
Gm20	1382847	1383831 Gmdrm	hypo	CHH	-0.0151
Gm20	1383848	1384211 Gmdrm	hypo	CHH	-0.0257
Gm20	1384444	1385442 Gmdrm	hypo	CHH	-0.0377
Gm20	1390951	1391905 Gmdrm	hypo	CHH	-0.0162
Gm20	1405268	1406266 Gmdrm	hypo	CHH	-0.0916
Gm20	1421126	1422122 Gmdrm	hypo	CHH	-0.0576
Gm20	1422134	1423123 Gmdrm	hypo	CHH	-0.0727
Gm20	1423207	1424129 Gmdrm	hypo	CHH	-0.1597
Gm20	1424542	1425480 Gmdrm	hypo	CHH	-0.0952
Gm20	1425564	1426562 Gmdrm	hypo	CHH	-0.0755
Gm20	1426945	1427924 Gmdrm	hypo	CHH	-0.0722
Gm20	1427949	1428377 Gmdrm	hypo	CHH	-0.1149
Gm20	1432627	1432680 Gmdrm	hypo	CHH	-0.243
Gm20	1439657	1440325 Gmdrm	hypo	CHH	-0.0161
Gm20	1443095	1444091 Gmdrm	hypo	CHH	-0.093
Gm20	1461491	1462491 Gmdrm	hypo	CHH	-0.0381
Gm20	1462494	1463462 Gmdrm	hypo	CHH	-0.0457
Gm20	1467783	1468780 Gmdrm	hypo	CHH	-0.0372
Gm20	1540608	1541597 Gmdrm	hypo	CHH	-0.0985

Gm20	1543969	1544963 Gmdrm	hypo	CHH	-0.0302
Gm20	1559886	1560574 Gmdrm	hypo	CHH	-0.0654
Gm20	1570637	1571630 Gmdrm	hypo	CHH	-0.0185
Gm20	1583789	1584761 Gmdrm	hypo	CHH	-0.0131
Gm20	1611085	1612068 Gmdrm	hypo	CHH	-0.0544
Gm20	1622807	1623807 Gmdrm	hypo	CHH	-0.0202
Gm20	1647002	1647990 Gmdrm	hypo	CHH	-0.0198
Gm20	1685389	1686073 Gmdrm	hypo	CHH	-0.1115
Gm20	1693919	1694345 Gmdrm	hypo	CHH	-0.2219
Gm20	1701359	1702355 Gmdrm	hypo	CHH	-0.075
Gm20	1702360	1703358 Gmdrm	hypo	CHH	-0.0486
Gm20	1727115	1727473 Gmdrm	hypo	CHH	-0.0228
Gm20	1729921	1730918 Gmdrm	hypo	CHH	-0.1118
Gm20	1730928	1731915 Gmdrm	hypo	CHH	-0.1307
Gm20	1734015	1734995 Gmdrm	hypo	CHH	-0.0209
Gm20	1736259	1737239 Gmdrm	hypo	CHH	-0.0917
Gm20	1737307	1738306 Gmdrm	hypo	CHH	-0.1113
Gm20	1738308	1738818 Gmdrm	hypo	CHH	-0.0265
Gm20	1741599	1742491 Gmdrm	hypo	CHH	-0.1976
Gm20	1744615	1745608 Gmdrm	hypo	CHH	-0.0119
Gm20	1745618	1746617 Gmdrm	hypo	CHH	-0.0563
Gm20	1752006	1753002 Gmdrm	hypo	CHH	-0.0384
Gm20	1762483	1763352 Gmdrm	hypo	CHH	-0.0181
Gm20	1764984	1765980 Gmdrm	hypo	CHH	-0.0885
Gm20	1771198	1772193 Gmdrm	hypo	CHH	-0.0321
Gm20	1772209	1773191 Gmdrm	hypo	CHH	-0.0321
Gm20	1773210	1774210 Gmdrm	hypo	CHH	-0.076
Gm20	1774252	1774988 Gmdrm	hypo	CHH	-0.0271
Gm20	1785289	1786278 Gmdrm	hypo	CHH	-0.0237
Gm20	1797921	1798921 Gmdrm	hypo	CHH	-0.0535
Gm20	1798928	1799923 Gmdrm	hypo	CHH	-0.0586
Gm20	1799932	1800924 Gmdrm	hypo	CHH	-0.0871
Gm20	1801936	1802692 Gmdrm	hypo	CHH	-0.0702
Gm20	1815038	1815684 Gmdrm	hypo	CHH	-0.0266
Gm20	1815804	1816775 Gmdrm	hypo	CHH	-0.1593
Gm20	1816818	1817801 Gmdrm	hypo	CHH	-0.0782
Gm20	1817845	1818845 Gmdrm	hypo	CHH	-0.0681
Gm20	1818846	1819845 Gmdrm	hypo	CHH	-0.0803
Gm20	1826887	1827885 Gmdrm	hypo	CHH	-0.0555
Gm20	1832930	1833894 Gmdrm	hypo	CHH	-0.0386
Gm20	1834951	1835949 Gmdrm	hypo	CHH	-0.0445
Gm20	1835952	1836907 Gmdrm	hypo	CHH	-0.086
Gm20	1851208	1852196 Gmdrm	hypo	CHH	-0.1172
Gm20	1857870	1858866 Gmdrm	hypo	CHH	-0.0097
Gm20	1865510	1866499 Gmdrm	hypo	CHH	-0.0848
Gm20	1866516	1867387 Gmdrm	hypo	CHH	-0.0577

Gm20	1867611	1868599	Gmdrm	hypo	CHH	-0.0305
Gm20	1869640	1870607	Gmdrm	hypo	CHH	-0.0188
Gm20	1871695	1872677	Gmdrm	hypo	CHH	-0.0478
Gm20	1872705	1873701	Gmdrm	hypo	CHH	-0.1151
Gm20	1873706	1874654	Gmdrm	hypo	CHH	-0.1168
Gm20	1876628	1877117	Gmdrm	hypo	CHH	-0.2138
Gm20	1893184	1894173	Gmdrm	hypo	CHH	-0.1489
Gm20	1894190	1895185	Gmdrm	hypo	CHH	-0.1251
Gm20	1895204	1896201	Gmdrm	hypo	CHH	-0.1832
Gm20	1896206	1897205	Gmdrm	hypo	CHH	-0.1204
Gm20	1904168	1905146	Gmdrm	hypo	CHH	-0.076
Gm20	1907285	1908130	Gmdrm	hypo	CHH	-0.0221
Gm20	1912346	1913340	Gmdrm	hypo	CHH	-0.2591
Gm20	1914398	1915396	Gmdrm	hypo	CHH	-0.0205
Gm20	1921788	1922783	Gmdrm	hypo	CHH	-0.0508
Gm20	1928793	1929790	Gmdrm	hypo	CHH	-0.0629
Gm20	1929794	1930793	Gmdrm	hypo	CHH	-0.0852
Gm20	1932834	1933821	Gmdrm	hypo	CHH	-0.038
Gm20	1933969	1934936	Gmdrm	hypo	CHH	-0.0156
Gm20	1934973	1935967	Gmdrm	hypo	CHH	-0.1283
Gm20	1935992	1936959	Gmdrm	hypo	CHH	-0.071
Gm20	1936998	1937970	Gmdrm	hypo	CHH	-0.0888
Gm20	1938003	1938982	Gmdrm	hypo	CHH	-0.1365
Gm20	1939054	1940001	Gmdrm	hypo	CHH	-0.1484
Gm20	1943768	1944768	Gmdrm	hypo	CHH	-0.0465
Gm20	1971754	1972708	Gmdrm	hypo	CHH	-0.0723
Gm20	1974400	1975389	Gmdrm	hypo	CHH	-0.0189
Gm20	1976945	1977030	Gmdrm	hypo	CHH	-0.1631
Gm20	1985624	1986624	Gmdrm	hypo	CHH	-0.0261
Gm20	1987637	1988635	Gmdrm	hypo	CHH	-0.0352
Gm20	1989873	1990858	Gmdrm	hypo	CHH	-0.0231
Gm20	1991397	1991733	Gmdrm	hypo	CHH	-0.0582
Gm20	2005008	2006003	Gmdrm	hypo	CHH	-0.0354
Gm20	2016442	2017346	Gmdrm	hypo	CHH	-0.02
Gm20	2020708	2021703	Gmdrm	hypo	CHH	-0.0758
Gm20	2021711	2022711	Gmdrm	hypo	CHH	-0.0481
Gm20	2030725	2031563	Gmdrm	hypo	CHH	-0.0246
Gm20	2033754	2034746	Gmdrm	hypo	CHH	-0.0782
Gm20	2034758	2035750	Gmdrm	hypo	CHH	-0.0677
Gm20	2035769	2036764	Gmdrm	hypo	CHH	-0.0552
Gm20	2047422	2048413	Gmdrm	hypo	CHH	-0.0929
Gm20	2059704	2060428	Gmdrm	hypo	CHH	-0.0216
Gm20	2065475	2066220	Gmdrm	hypo	CHH	-0.0145
Gm20	2080416	2081416	Gmdrm	hypo	CHH	-0.1367
Gm20	2081418	2082387	Gmdrm	hypo	CHH	-0.1629
Gm20	2087681	2088676	Gmdrm	hypo	CHH	-0.4032

Gm20	2094833	2095827	Gmdrm	hypo	CHH	-0.0905
Gm20	2098345	2099338	Gmdrm	hypo	CHH	-0.0243
Gm20	2103045	2103669	Gmdrm	hypo	CHH	-0.0196
Gm20	2114342	2115332	Gmdrm	hypo	CHH	-0.0181
Gm20	2119227	2119587	Gmdrm	hypo	CHH	-0.0692
Gm20	2120834	2121827	Gmdrm	hypo	CHH	-0.0168
Gm20	2122702	2123696	Gmdrm	hypo	CHH	-0.0141
Gm20	2123709	2124694	Gmdrm	hypo	CHH	-0.0579
Gm20	2128143	2129137	Gmdrm	hypo	CHH	-0.1531
Gm20	2129147	2130120	Gmdrm	hypo	CHH	-0.115
Gm20	2144672	2145671	Gmdrm	hypo	CHH	-0.0971
Gm20	2145680	2146631	Gmdrm	hypo	CHH	-0.0994
Gm20	2147065	2148052	Gmdrm	hypo	CHH	-0.0406
Gm20	2148074	2149052	Gmdrm	hypo	CHH	-0.0213
Gm20	2155279	2155524	Gmdrm	hypo	CHH	-0.1189
Gm20	2155648	2156647	Gmdrm	hypo	CHH	-0.094
Gm20	2156655	2157529	Gmdrm	hypo	CHH	-0.0876
Gm20	2157651	2158642	Gmdrm	hypo	CHH	-0.0812
Gm20	2158657	2159657	Gmdrm	hypo	CHH	-0.0597
Gm20	2166140	2167137	Gmdrm	hypo	CHH	-0.0754
Gm20	2167141	2168139	Gmdrm	hypo	CHH	-0.0255
Gm20	2179024	2179876	Gmdrm	hypo	CHH	-0.0157
Gm20	2181003	2181995	Gmdrm	hypo	CHH	-0.0319
Gm20	2185653	2186640	Gmdrm	hypo	CHH	-0.0301
Gm20	2190724	2191718	Gmdrm	hypo	CHH	-0.0411
Gm20	2191731	2192722	Gmdrm	hypo	CHH	-0.1088
Gm20	2195271	2196259	Gmdrm	hypo	CHH	-0.0152
Gm20	2199338	2200338	Gmdrm	hypo	CHH	-0.033
Gm20	2200340	2201334	Gmdrm	hypo	CHH	-0.0132
Gm20	2207425	2208425	Gmdrm	hypo	CHH	-0.1001
Gm20	2208427	2209427	Gmdrm	hypo	CHH	-0.0567
Gm20	2211445	2212434	Gmdrm	hypo	CHH	-0.0372
Gm20	2212450	2213437	Gmdrm	hypo	CHH	-0.0445
Gm20	2222526	2223511	Gmdrm	hypo	CHH	-0.0351
Gm20	2245056	2246051	Gmdrm	hypo	CHH	-0.0543
Gm20	2249100	2250099	Gmdrm	hypo	CHH	-0.0483
Gm20	2287785	2288782	Gmdrm	hypo	CHH	-0.0514
Gm20	2291446	2292446	Gmdrm	hypo	CHH	-0.0298
Gm20	2292448	2293442	Gmdrm	hypo	CHH	-0.0609
Gm20	2306502	2307501	Gmdrm	hypo	CHH	-0.0343
Gm20	2313350	2314282	Gmdrm	hypo	CHH	-0.0237
Gm20	2316472	2317468	Gmdrm	hypo	CHH	-0.1189
Gm20	2318482	2319471	Gmdrm	hypo	CHH	-0.0596
Gm20	2323925	2324909	Gmdrm	hypo	CHH	-0.1043
Gm20	2328369	2328522	Gmdrm	hypo	CHH	-0.115
Gm20	2334320	2335300	Gmdrm	hypo	CHH	-0.061

Gm20	2341073	2341288 Gmdrm	hypo	CHH	-0.046
Gm20	2355509	2356507 Gmdrm	hypo	CHH	-0.1361
Gm20	2356521	2357519 Gmdrm	hypo	CHH	-0.1256
Gm20	2362574	2363559 Gmdrm	hypo	CHH	-0.0416
Gm20	2368148	2369126 Gmdrm	hypo	CHH	-0.0228
Gm20	2411611	2412611 Gmdrm	hypo	CHH	-0.0695
Gm20	2413323	2414321 Gmdrm	hypo	CHH	-0.0228
Gm20	2429791	2430772 Gmdrm	hypo	CHH	-0.0262
Gm20	2431832	2432524 Gmdrm	hypo	CHH	-0.048
Gm20	2434759	2435757 Gmdrm	hypo	CHH	-0.0566
Gm20	2435762	2436742 Gmdrm	hypo	CHH	-0.0232
Gm20	2450012	2451003 Gmdrm	hypo	CHH	-0.0142
Gm20	2487925	2488745 Gmdrm	hypo	CHH	-0.1374
Gm20	2491373	2492372 Gmdrm	hypo	CHH	-0.0156
Gm20	2492481	2493015 Gmdrm	hypo	CHH	-0.3935
Gm20	2494176	2494806 Gmdrm	hypo	CHH	-0.0549
Gm20	2495058	2496049 Gmdrm	hypo	CHH	-0.0218
Gm20	2505340	2506317 Gmdrm	hypo	CHH	-0.0147
Gm20	2540711	2541707 Gmdrm	hypo	CHH	-0.059
Gm20	2541713	2542710 Gmdrm	hypo	CHH	-0.0394
Gm20	2542943	2543345 Gmdrm	hypo	CHH	-0.0588
Gm20	2549571	2550467 Gmdrm	hypo	CHH	-0.0223
Gm20	2589490	2590412 Gmdrm	hypo	CHH	-0.0533
Gm20	2594433	2595429 Gmdrm	hypo	CHH	-0.0591
Gm20	2595442	2596389 Gmdrm	hypo	CHH	-0.0415
Gm20	2608672	2609662 Gmdrm	hypo	CHH	-0.0721
Gm20	2615289	2616287 Gmdrm	hypo	CHH	-0.042
Gm20	2624347	2625321 Gmdrm	hypo	CHH	-0.0408
Gm20	2633406	2634405 Gmdrm	hypo	CHH	-0.0839
Gm20	2634407	2635403 Gmdrm	hypo	CHH	-0.0693
Gm20	2635409	2636143 Gmdrm	hypo	CHH	-0.1062
Gm20	2643004	2643789 Gmdrm	hypo	CHH	-0.0364
Gm20	2644239	2645239 Gmdrm	hypo	CHH	-0.0327
Gm20	2645246	2646229 Gmdrm	hypo	CHH	-0.0402
Gm20	2666375	2666863 Gmdrm	hypo	CHH	-0.0945
Gm20	2692392	2692915 Gmdrm	hypo	CHH	-0.0844
Gm20	2695428	2695763 Gmdrm	hypo	CHH	-0.0989
Gm20	2701108	2702099 Gmdrm	hypo	CHH	-0.0147
Gm20	2704881	2705865 Gmdrm	hypo	CHH	-0.0195
Gm20	2708027	2709019 Gmdrm	hypo	CHH	-0.0833
Gm20	2709030	2709770 Gmdrm	hypo	CHH	-0.0751
Gm20	2713096	2713146 Gmdrm	hypo	CHH	-0.096
Gm20	2721061	2722042 Gmdrm	hypo	CHH	-0.0376
Gm20	2743603	2744590 Gmdrm	hypo	CHH	-0.0319
Gm20	2744624	2745601 Gmdrm	hypo	CHH	-0.0947
Gm20	2770778	2771775 Gmdrm	hypo	CHH	-0.0232

Gm20	2771782	2772723	Gmdrm	hypo	CHH	-0.0193
Gm20	2776398	2777397	Gmdrm	hypo	CHH	-0.0557
Gm20	2777400	2778272	Gmdrm	hypo	CHH	-0.0476
Gm20	2781227	2782225	Gmdrm	hypo	CHH	-0.1155
Gm20	2782237	2783237	Gmdrm	hypo	CHH	-0.0388
Gm20	2783241	2783763	Gmdrm	hypo	CHH	-0.2963
Gm20	2792523	2793519	Gmdrm	hypo	CHH	-0.0476
Gm20	2796571	2797523	Gmdrm	hypo	CHH	-0.0554
Gm20	2798587	2799584	Gmdrm	hypo	CHH	-0.0294
Gm20	2799590	2800590	Gmdrm	hypo	CHH	-0.0249
Gm20	2802613	2803603	Gmdrm	hypo	CHH	-0.0803
Gm20	2803616	2804120	Gmdrm	hypo	CHH	-0.0609
Gm20	2805660	2806007	Gmdrm	hypo	CHH	-0.1907
Gm20	2807197	2808197	Gmdrm	hypo	CHH	-0.0327
Gm20	2809220	2810214	Gmdrm	hypo	CHH	-0.028
Gm20	2810231	2811227	Gmdrm	hypo	CHH	-0.0319
Gm20	2821112	2822055	Gmdrm	hypo	CHH	-0.0612
Gm20	2823152	2824135	Gmdrm	hypo	CHH	-0.013
Gm20	2847760	2848273	Gmdrm	hypo	CHH	-0.0223
Gm20	2848374	2849012	Gmdrm	hypo	CHH	-0.1171
Gm20	2849377	2850370	Gmdrm	hypo	CHH	-0.0127
Gm20	2850391	2850696	Gmdrm	hypo	CHH	-0.05
Gm20	2850825	2851825	Gmdrm	hypo	CHH	-0.0455
Gm20	2851840	2852832	Gmdrm	hypo	CHH	-0.0387
Gm20	2852858	2853853	Gmdrm	hypo	CHH	-0.015
Gm20	2855887	2856451	Gmdrm	hypo	CHH	-0.016
Gm20	2860281	2860347	Gmdrm	hypo	CHH	-0.0314
Gm20	2878501	2879481	Gmdrm	hypo	CHH	-0.1596
Gm20	2880871	2881870	Gmdrm	hypo	CHH	-0.015
Gm20	2886001	2887001	Gmdrm	hypo	CHH	-0.0345
Gm20	2887027	2888022	Gmdrm	hypo	CHH	-0.0292
Gm20	2892484	2893484	Gmdrm	hypo	CHH	-0.0318
Gm20	2894511	2894671	Gmdrm	hypo	CHH	-0.0589
Gm20	2906514	2907511	Gmdrm	hypo	CHH	-0.1265
Gm20	2907519	2908519	Gmdrm	hypo	CHH	-0.0332
Gm20	2909531	2910525	Gmdrm	hypo	CHH	-0.0774
Gm20	2910534	2911112	Gmdrm	hypo	CHH	-0.1161
Gm20	2916705	2917700	Gmdrm	hypo	CHH	-0.0112
Gm20	2918724	2919714	Gmdrm	hypo	CHH	-0.0514
Gm20	2925934	2926932	Gmdrm	hypo	CHH	-0.1289
Gm20	2927232	2927453	Gmdrm	hypo	CHH	-0.1554
Gm20	2927999	2928993	Gmdrm	hypo	CHH	-0.1454
Gm20	2977773	2978763	Gmdrm	hypo	CHH	-0.0169
Gm20	2978785	2979780	Gmdrm	hypo	CHH	-0.0766
Gm20	2983325	2984320	Gmdrm	hypo	CHH	-0.0506
Gm20	2984331	2985256	Gmdrm	hypo	CHH	-0.0915

Gm20	2985335	2986270	Gmdrm	hypo	CHH	-0.0246
Gm20	2986383	2987382	Gmdrm	hypo	CHH	-0.0506
Gm20	2993416	2994416	Gmdrm	hypo	CHH	-0.0412
Gm20	2994434	2995420	Gmdrm	hypo	CHH	-0.0444
Gm20	2995983	2996888	Gmdrm	hypo	CHH	-0.0584
Gm20	3006773	3007755	Gmdrm	hypo	CHH	-0.3223
Gm20	3012841	3013839	Gmdrm	hypo	CHH	-0.1039
Gm20	3030628	3031063	Gmdrm	hypo	CHH	-0.078
Gm20	3031203	3031589	Gmdrm	hypo	CHH	-0.1381
Gm20	3042059	3043043	Gmdrm	hypo	CHH	-0.0136
Gm20	3056593	3057456	Gmdrm	hypo	CHH	-0.0781
Gm20	3060572	3061572	Gmdrm	hypo	CHH	-0.03
Gm20	3073462	3074445	Gmdrm	hypo	CHH	-0.0725
Gm20	3074481	3074678	Gmdrm	hypo	CHH	-0.0266
Gm20	3075494	3076481	Gmdrm	hypo	CHH	-0.0246
Gm20	3087842	3088819	Gmdrm	hypo	CHH	-0.0145
Gm20	3090860	3091855	Gmdrm	hypo	CHH	-0.0578
Gm20	3118015	3119008	Gmdrm	hypo	CHH	-0.0321
Gm20	3119033	3120029	Gmdrm	hypo	CHH	-0.0245
Gm20	3128106	3129105	Gmdrm	hypo	CHH	-0.081
Gm20	3135781	3136769	Gmdrm	hypo	CHH	-0.0711
Gm20	3136783	3137553	Gmdrm	hypo	CHH	-0.2845
Gm20	3187928	3188925	Gmdrm	hypo	CHH	-0.0142
Gm20	3188963	3189962	Gmdrm	hypo	CHH	-0.0781
Gm20	3189965	3190950	Gmdrm	hypo	CHH	-0.0353
Gm20	3207624	3208597	Gmdrm	hypo	CHH	-0.0507
Gm20	3208638	3209624	Gmdrm	hypo	CHH	-0.0146
Gm20	3210699	3211688	Gmdrm	hypo	CHH	-0.0297
Gm20	3263416	3264375	Gmdrm	hypo	CHH	-0.0483
Gm20	3313885	3314874	Gmdrm	hypo	CHH	-0.0191
Gm20	3317202	3318181	Gmdrm	hypo	CHH	-0.0295
Gm20	3319224	3320186	Gmdrm	hypo	CHH	-0.0181
Gm20	3330263	3331240	Gmdrm	hypo	CHH	-0.0183
Gm20	3345095	3345294	Gmdrm	hypo	CHH	-0.16
Gm20	3389307	3390306	Gmdrm	hypo	CHH	-0.0776
Gm20	3390314	3391314	Gmdrm	hypo	CHH	-0.0338
Gm20	3413414	3414385	Gmdrm	hypo	CHH	-0.0208
Gm20	3439675	3440675	Gmdrm	hypo	CHH	-0.0464
Gm20	3445184	3446153	Gmdrm	hypo	CHH	-0.0385
Gm20	3446187	3447187	Gmdrm	hypo	CHH	-0.0408
Gm20	3448199	3449198	Gmdrm	hypo	CHH	-0.0958
Gm20	3450218	3451207	Gmdrm	hypo	CHH	-0.0507
Gm20	3452224	3453224	Gmdrm	hypo	CHH	-0.034
Gm20	3453226	3454224	Gmdrm	hypo	CHH	-0.0416
Gm20	3454230	3455230	Gmdrm	hypo	CHH	-0.0404
Gm20	3455233	3456160	Gmdrm	hypo	CHH	-0.0968

Gm20	3458979	3459113 Gmdrm	hypo	CHH	-0.0683
Gm20	3459931	3459985 Gmdrm	hypo	CHH	-0.06
Gm20	3460088	3460176 Gmdrm	hypo	CHH	-0.0838
Gm20	3462318	3462678 Gmdrm	hypo	CHH	-0.0887
Gm20	3462813	3463802 Gmdrm	hypo	CHH	-0.0393
Gm20	3473232	3474222 Gmdrm	hypo	CHH	-0.0462
Gm20	3475870	3476869 Gmdrm	hypo	CHH	-0.0237
Gm20	3477139	3478133 Gmdrm	hypo	CHH	-0.0244
Gm20	3494047	3495010 Gmdrm	hypo	CHH	-0.0295
Gm20	3499095	3500064 Gmdrm	hypo	CHH	-0.0266
Gm20	3515054	3516022 Gmdrm	hypo	CHH	-0.0274
Gm20	3646672	3647647 Gmdrm	hypo	CHH	-0.128
Gm20	3669221	3670212 Gmdrm	hypo	CHH	-0.0475
Gm20	3670245	3671243 Gmdrm	hypo	CHH	-0.0309
Gm20	3693047	3694040 Gmdrm	hypo	CHH	-0.0498
Gm20	3718100	3719098 Gmdrm	hypo	CHH	-0.0281
Gm20	3719102	3719598 Gmdrm	hypo	CHH	-0.028
Gm20	3720710	3721684 Gmdrm	hypo	CHH	-0.0987
Gm20	3721719	3722503 Gmdrm	hypo	CHH	-0.0419
Gm20	3722640	3723626 Gmdrm	hypo	CHH	-0.1966
Gm20	3749348	3750344 Gmdrm	hypo	CHH	-0.0964
Gm20	3753739	3754736 Gmdrm	hypo	CHH	-0.0182
Gm20	3754744	3755739 Gmdrm	hypo	CHH	-0.0735
Gm20	3761765	3762750 Gmdrm	hypo	CHH	-0.1461
Gm20	3768827	3769827 Gmdrm	hypo	CHH	-0.022
Gm20	3770830	3771651 Gmdrm	hypo	CHH	-0.1449
Gm20	3773938	3774931 Gmdrm	hypo	CHH	-0.1069
Gm20	3774947	3775946 Gmdrm	hypo	CHH	-0.0172
Gm20	3775948	3776929 Gmdrm	hypo	CHH	-0.0494
Gm20	3786058	3786615 Gmdrm	hypo	CHH	-0.0689
Gm20	3791177	3792173 Gmdrm	hypo	CHH	-0.0511
Gm20	3833133	3834122 Gmdrm	hypo	CHH	-0.2434
Gm20	3837497	3838481 Gmdrm	hypo	CHH	-0.0403
Gm20	3858446	3858746 Gmdrm	hypo	CHH	-0.1068
Gm20	3859010	3859218 Gmdrm	hypo	CHH	-0.0512
Gm20	3859440	3859953 Gmdrm	hypo	CHH	-0.0762
Gm20	3872094	3873093 Gmdrm	hypo	CHH	-0.0516
Gm20	3874456	3875455 Gmdrm	hypo	CHH	-0.0432
Gm20	3893693	3894693 Gmdrm	hypo	CHH	-0.0579
Gm20	3894699	3895657 Gmdrm	hypo	CHH	-0.1772
Gm20	3896111	3897103 Gmdrm	hypo	CHH	-0.045
Gm20	3899119	3899854 Gmdrm	hypo	CHH	-0.0463
Gm20	3902836	3903835 Gmdrm	hypo	CHH	-0.137
Gm20	3904059	3905046 Gmdrm	hypo	CHH	-0.0177
Gm20	3905067	3905594 Gmdrm	hypo	CHH	-0.0164
Gm20	3915315	3916312 Gmdrm	hypo	CHH	-0.0487

Gm20	3927588	3928581 Gmdrm	hypo	CHH	-0.0235
Gm20	3976802	3977794 Gmdrm	hypo	CHH	-0.0558
Gm20	3978811	3979744 Gmdrm	hypo	CHH	-0.0195
Gm20	4019145	4020140 Gmdrm	hypo	CHH	-0.083
Gm20	4045133	4046116 Gmdrm	hypo	CHH	-0.0432
Gm20	4047357	4048357 Gmdrm	hypo	CHH	-0.0185
Gm20	4051385	4052372 Gmdrm	hypo	CHH	-0.0522
Gm20	4059739	4060695 Gmdrm	hypo	CHH	-0.0294
Gm20	4081353	4082320 Gmdrm	hypo	CHH	-0.0623
Gm20	4123247	4124242 Gmdrm	hypo	CHH	-0.0249
Gm20	4125092	4126089 Gmdrm	hypo	CHH	-0.0435
Gm20	4162018	4162220 Gmdrm	hypo	CHH	-0.0743
Gm20	4176741	4177165 Gmdrm	hypo	CHH	-0.0144
Gm20	4203907	4204899 Gmdrm	hypo	CHH	-0.026
Gm20	4207990	4208977 Gmdrm	hypo	CHH	-0.0175
Gm20	4260624	4261010 Gmdrm	hypo	CHH	-0.0897
Gm20	4275870	4276844 Gmdrm	hypo	CHH	-0.0133
Gm20	4282438	4283421 Gmdrm	hypo	CHH	-0.0302
Gm20	4283455	4284455 Gmdrm	hypo	CHH	-0.0283
Gm20	4287814	4288780 Gmdrm	hypo	CHH	-0.0609
Gm20	4288821	4289440 Gmdrm	hypo	CHH	-0.0718
Gm20	4296017	4296229 Gmdrm	hypo	CHH	-0.1093
Gm20	4317100	4318095 Gmdrm	hypo	CHH	-0.0215
Gm20	4377384	4378381 Gmdrm	hypo	CHH	-0.0758
Gm20	4378386	4379385 Gmdrm	hypo	CHH	-0.051
Gm20	4382420	4383409 Gmdrm	hypo	CHH	-0.1116
Gm20	4429466	4430466 Gmdrm	hypo	CHH	-0.0475
Gm20	4438075	4439075 Gmdrm	hypo	CHH	-0.0932
Gm20	4467156	4468156 Gmdrm	hypo	CHH	-0.0701
Gm20	4468158	4469146 Gmdrm	hypo	CHH	-0.0634
Gm20	4469907	4470905 Gmdrm	hypo	CHH	-0.1146
Gm20	4470913	4471911 Gmdrm	hypo	CHH	-0.0158
Gm20	4471914	4472914 Gmdrm	hypo	CHH	-0.0724
Gm20	4582832	4583812 Gmdrm	hypo	CHH	-0.0198
Gm20	4587075	4588065 Gmdrm	hypo	CHH	-0.0375
Gm20	4601982	4602969 Gmdrm	hypo	CHH	-0.0389
Gm20	4622069	4623063 Gmdrm	hypo	CHH	-0.1172
Gm20	4623081	4624053 Gmdrm	hypo	CHH	-0.0457
Gm20	4628327	4629311 Gmdrm	hypo	CHH	-0.0216
Gm20	4629330	4630326 Gmdrm	hypo	CHH	-0.1698
Gm20	4636075	4637073 Gmdrm	hypo	CHH	-0.0207
Gm20	4644051	4644381 Gmdrm	hypo	CHH	-0.0387
Gm20	4646930	4647923 Gmdrm	hypo	CHH	-0.0324
Gm20	4661519	4662518 Gmdrm	hypo	CHH	-0.0502
Gm20	4662529	4663527 Gmdrm	hypo	CHH	-0.0751
Gm20	4663531	4663814 Gmdrm	hypo	CHH	-0.1306

Gm20	4664203	4665199	Gmdrm	hypo	CHH	-0.0626
Gm20	4665205	4666188	Gmdrm	hypo	CHH	-0.0954
Gm20	4666225	4666401	Gmdrm	hypo	CHH	-0.089
Gm20	4669927	4670927	Gmdrm	hypo	CHH	-0.058
Gm20	4670936	4671935	Gmdrm	hypo	CHH	-0.0748
Gm20	4671943	4672926	Gmdrm	hypo	CHH	-0.0529
Gm20	4673957	4674955	Gmdrm	hypo	CHH	-0.0328
Gm20	4675997	4676694	Gmdrm	hypo	CHH	-0.0437
Gm20	4677000	4677900	Gmdrm	hypo	CHH	-0.0896
Gm20	4680710	4681709	Gmdrm	hypo	CHH	-0.0147
Gm20	4684715	4685709	Gmdrm	hypo	CHH	-0.0395
Gm20	4685718	4686715	Gmdrm	hypo	CHH	-0.087
Gm20	4706480	4707461	Gmdrm	hypo	CHH	-0.0348
Gm20	4707484	4707839	Gmdrm	hypo	CHH	-0.0216
Gm20	4726620	4727581	Gmdrm	hypo	CHH	-0.0364
Gm20	4743679	4744672	Gmdrm	hypo	CHH	-0.0675
Gm20	4760225	4761220	Gmdrm	hypo	CHH	-0.0314
Gm20	4761227	4762190	Gmdrm	hypo	CHH	-0.0619
Gm20	4779403	4780269	Gmdrm	hypo	CHH	-0.0627
Gm20	4794845	4795562	Gmdrm	hypo	CHH	-0.0268
Gm20	4799443	4800432	Gmdrm	hypo	CHH	-0.0864
Gm20	4800455	4801432	Gmdrm	hypo	CHH	-0.0191
Gm20	4801458	4802451	Gmdrm	hypo	CHH	-0.0402
Gm20	4802459	4803457	Gmdrm	hypo	CHH	-0.0483
Gm20	4843053	4844051	Gmdrm	hypo	CHH	-0.0393
Gm20	4844058	4845054	Gmdrm	hypo	CHH	-0.0244
Gm20	4859400	4860159	Gmdrm	hypo	CHH	-0.0405
Gm20	4877640	4878640	Gmdrm	hypo	CHH	-0.1813
Gm20	4878642	4879636	Gmdrm	hypo	CHH	-0.0891
Gm20	4879655	4880654	Gmdrm	hypo	CHH	-0.0787
Gm20	4880660	4881222	Gmdrm	hypo	CHH	-0.0875
Gm20	4885308	4885649	Gmdrm	hypo	CHH	-0.063
Gm20	4889082	4890082	Gmdrm	hypo	CHH	-0.0703
Gm20	4899262	4900248	Gmdrm	hypo	CHH	-0.0406
Gm20	4900274	4901266	Gmdrm	hypo	CHH	-0.027
Gm20	4924706	4925704	Gmdrm	hypo	CHH	-0.0311
Gm20	4930878	4931853	Gmdrm	hypo	CHH	-0.028
Gm20	4963923	4964917	Gmdrm	hypo	CHH	-0.0491
Gm20	5024389	5024577	Gmdrm	hypo	CHH	-0.0763
Gm20	5029798	5030791	Gmdrm	hypo	CHH	-0.0654
Gm20	5031043	5032028	Gmdrm	hypo	CHH	-0.0538
Gm20	5050488	5051476	Gmdrm	hypo	CHH	-0.0404
Gm20	5178493	5179487	Gmdrm	hypo	CHH	-0.0267
Gm20	5191253	5192250	Gmdrm	hypo	CHH	-0.0415
Gm20	5229206	5230172	Gmdrm	hypo	CHH	-0.0321
Gm20	5237246	5238235	Gmdrm	hypo	CHH	-0.0482

Gm20	5240160	5241154 Gmdrm	hypo	CHH	-0.1526
Gm20	5241165	5242159 Gmdrm	hypo	CHH	-0.0452
Gm20	5243178	5243740 Gmdrm	hypo	CHH	-0.0806
Gm20	5246095	5247049 Gmdrm	hypo	CHH	-0.03
Gm20	5247098	5248096 Gmdrm	hypo	CHH	-0.023
Gm20	5250116	5251116 Gmdrm	hypo	CHH	-0.0232
Gm20	5251121	5252121 Gmdrm	hypo	CHH	-0.0437
Gm20	5252125	5253123 Gmdrm	hypo	CHH	-0.0427
Gm20	5253128	5253721 Gmdrm	hypo	CHH	-0.0196
Gm20	5268806	5269786 Gmdrm	hypo	CHH	-0.0668
Gm20	5269808	5270799 Gmdrm	hypo	CHH	-0.0324
Gm20	5278832	5279832 Gmdrm	hypo	CHH	-0.0209
Gm20	5279842	5279896 Gmdrm	hypo	CHH	-0.08
Gm20	5313356	5314353 Gmdrm	hypo	CHH	-0.0535
Gm20	5334760	5335758 Gmdrm	hypo	CHH	-0.0169
Gm20	5335761	5336757 Gmdrm	hypo	CHH	-0.056
Gm20	5342050	5342874 Gmdrm	hypo	CHH	-0.0604
Gm20	5343989	5344988 Gmdrm	hypo	CHH	-0.05
Gm20	5344995	5345958 Gmdrm	hypo	CHH	-0.1281
Gm20	5349045	5350038 Gmdrm	hypo	CHH	-0.1151
Gm20	5351103	5352103 Gmdrm	hypo	CHH	-0.1219
Gm20	5352121	5353121 Gmdrm	hypo	CHH	-0.168
Gm20	5428647	5429630 Gmdrm	hypo	CHH	-0.0684
Gm20	5434082	5434370 Gmdrm	hypo	CHH	-0.0442
Gm20	5455170	5456170 Gmdrm	hypo	CHH	-0.02
Gm20	5460689	5461680 Gmdrm	hypo	CHH	-0.0314
Gm20	5461694	5462691 Gmdrm	hypo	CHH	-0.0217
Gm20	5513665	5514563 Gmdrm	hypo	CHH	-0.0164
Gm20	5520804	5521804 Gmdrm	hypo	CHH	-0.0738
Gm20	5521809	5522471 Gmdrm	hypo	CHH	-0.0283
Gm20	5599773	5600771 Gmdrm	hypo	CHH	-0.0434
Gm20	5602826	5603818 Gmdrm	hypo	CHH	-0.055
Gm20	5608639	5609632 Gmdrm	hypo	CHH	-0.082
Gm20	5611358	5612353 Gmdrm	hypo	CHH	-0.0412
Gm20	5716528	5717519 Gmdrm	hypo	CHH	-0.0374
Gm20	5734474	5735465 Gmdrm	hypo	CHH	-0.018
Gm20	5766306	5767297 Gmdrm	hypo	CHH	-0.0202
Gm20	5769349	5770346 Gmdrm	hypo	CHH	-0.0243
Gm20	5778131	5779035 Gmdrm	hypo	CHH	-0.0444
Gm20	5787132	5788111 Gmdrm	hypo	CHH	-0.0281
Gm20	5797287	5798286 Gmdrm	hypo	CHH	-0.1011
Gm20	5811281	5812275 Gmdrm	hypo	CHH	-0.0187
Gm20	5829749	5830732 Gmdrm	hypo	CHH	-0.0173
Gm20	5830759	5831727 Gmdrm	hypo	CHH	-0.0355
Gm20	5872329	5873313 Gmdrm	hypo	CHH	-0.0192
Gm20	5952662	5953356 Gmdrm	hypo	CHH	-0.0821

Gm20	5970969	5971956	Gmdrm	hypo	CHH	-0.0178
Gm20	5980650	5981645	Gmdrm	hypo	CHH	-0.0639
Gm20	5987792	5988783	Gmdrm	hypo	CHH	-0.0704
Gm20	5988810	5989806	Gmdrm	hypo	CHH	-0.0439
Gm20	6078687	6078738	Gmdrm	hypo	CHH	-0.2667
Gm20	6168265	6169264	Gmdrm	hypo	CHH	-0.0348
Gm20	6195657	6196641	Gmdrm	hypo	CHH	-0.0393
Gm20	6217172	6217454	Gmdrm	hypo	CHH	-0.0782
Gm20	6219905	6220898	Gmdrm	hypo	CHH	-0.0481
Gm20	6298420	6299417	Gmdrm	hypo	CHH	-0.0219
Gm20	6348349	6349264	Gmdrm	hypo	CHH	-0.0219
Gm20	6415636	6416591	Gmdrm	hypo	CHH	-0.0199
Gm20	6418355	6419348	Gmdrm	hypo	CHH	-0.0187
Gm20	6651413	6652401	Gmdrm	hypo	CHH	-0.0265
Gm20	6654396	6654464	Gmdrm	hypo	CHH	-0.0838
Gm20	6660360	6661360	Gmdrm	hypo	CHH	-0.028
Gm20	6661368	6662366	Gmdrm	hypo	CHH	-0.0436
Gm20	6690216	6690839	Gmdrm	hypo	CHH	-0.1421
Gm20	6690963	6691511	Gmdrm	hypo	CHH	-0.0688
Gm20	6787780	6788773	Gmdrm	hypo	CHH	-0.0387
Gm20	6788781	6789777	Gmdrm	hypo	CHH	-0.0858
Gm20	6921421	6922394	Gmdrm	hypo	CHH	-0.0231
Gm20	6922422	6923379	Gmdrm	hypo	CHH	-0.0685
Gm20	6929131	6930127	Gmdrm	hypo	CHH	-0.0767
Gm20	6934587	6935510	Gmdrm	hypo	CHH	-0.0582
Gm20	6948498	6948562	Gmdrm	hypo	CHH	-0.1761
Gm20	6948844	6949819	Gmdrm	hypo	CHH	-0.0332
Gm20	7012632	7013622	Gmdrm	hypo	CHH	-0.0464
Gm20	7134038	7134814	Gmdrm	hypo	CHH	-0.0567
Gm20	7134934	7135934	Gmdrm	hypo	CHH	-0.131
Gm20	7152192	7152510	Gmdrm	hypo	CHH	-0.1713
Gm20	7156959	7157379	Gmdrm	hypo	CHH	-0.02
Gm20	7158491	7158594	Gmdrm	hypo	CHH	-0.0709
Gm20	7158696	7159473	Gmdrm	hypo	CHH	-0.0914
Gm20	7188523	7189522	Gmdrm	hypo	CHH	-0.0483
Gm20	7189534	7190528	Gmdrm	hypo	CHH	-0.1609
Gm20	7195604	7196537	Gmdrm	hypo	CHH	-0.0343
Gm20	7196615	7197167	Gmdrm	hypo	CHH	-0.0279
Gm20	7200917	7201917	Gmdrm	hypo	CHH	-0.0446
Gm20	7201920	7202433	Gmdrm	hypo	CHH	-0.1822
Gm20	7228616	7229610	Gmdrm	hypo	CHH	-0.0755
Gm20	7229628	7230555	Gmdrm	hypo	CHH	-0.1985
Gm20	7241305	7242299	Gmdrm	hypo	CHH	-0.0206
Gm20	7244320	7245318	Gmdrm	hypo	CHH	-0.0281
Gm20	7248939	7249602	Gmdrm	hypo	CHH	-0.0304
Gm20	7260060	7261049	Gmdrm	hypo	CHH	-0.0607

Gm20	7299100	7300096 Gmdrm	hypo	CHH	-0.037
Gm20	7301129	7301691 Gmdrm	hypo	CHH	-0.0247
Gm20	7306381	7307377 Gmdrm	hypo	CHH	-0.014
Gm20	7317560	7318557 Gmdrm	hypo	CHH	-0.0296
Gm20	7318565	7319560 Gmdrm	hypo	CHH	-0.0401
Gm20	7333751	7334019 Gmdrm	hypo	CHH	-0.1408
Gm20	7344387	7345384 Gmdrm	hypo	CHH	-0.0415
Gm20	7409140	7409189 Gmdrm	hypo	CHH	-0.2
Gm20	7439229	7440225 Gmdrm	hypo	CHH	-0.0206
Gm20	7445274	7446100 Gmdrm	hypo	CHH	-0.0595
Gm20	7486230	7487216 Gmdrm	hypo	CHH	-0.0331
Gm20	7487235	7488235 Gmdrm	hypo	CHH	-0.0369
Gm20	7493323	7494319 Gmdrm	hypo	CHH	-0.0461
Gm20	7494325	7494649 Gmdrm	hypo	CHH	-0.0264
Gm20	7494784	7495775 Gmdrm	hypo	CHH	-0.0311
Gm20	7498792	7499786 Gmdrm	hypo	CHH	-0.0339
Gm20	7503467	7504302 Gmdrm	hypo	CHH	-0.0241
Gm20	7504476	7505469 Gmdrm	hypo	CHH	-0.0687
Gm20	7505481	7506336 Gmdrm	hypo	CHH	-0.0464
Gm20	7513085	7513630 Gmdrm	hypo	CHH	-0.0269
Gm20	7514064	7515057 Gmdrm	hypo	CHH	-0.1069
Gm20	7519572	7520565 Gmdrm	hypo	CHH	-0.0841
Gm20	7524585	7525580 Gmdrm	hypo	CHH	-0.0274
Gm20	7525598	7526596 Gmdrm	hypo	CHH	-0.0316
Gm20	7526601	7527588 Gmdrm	hypo	CHH	-0.0266
Gm20	7528607	7528727 Gmdrm	hypo	CHH	-0.1253
Gm20	7566610	7567593 Gmdrm	hypo	CHH	-0.0186
Gm20	7569685	7570667 Gmdrm	hypo	CHH	-0.0174
Gm20	7571005	7571997 Gmdrm	hypo	CHH	-0.0305
Gm20	7572018	7572993 Gmdrm	hypo	CHH	-0.0461
Gm20	7574072	7575028 Gmdrm	hypo	CHH	-0.0483
Gm20	7630028	7631009 Gmdrm	hypo	CHH	-0.0976
Gm20	7632100	7633087 Gmdrm	hypo	CHH	-0.0209
Gm20	7643734	7644732 Gmdrm	hypo	CHH	-0.0609
Gm20	7644766	7645737 Gmdrm	hypo	CHH	-0.0237
Gm20	7647802	7648800 Gmdrm	hypo	CHH	-0.029
Gm20	7648803	7649144 Gmdrm	hypo	CHH	-0.0455
Gm20	7668032	7668185 Gmdrm	hypo	CHH	-0.0295
Gm20	7670306	7671105 Gmdrm	hypo	CHH	-0.053
Gm20	7672443	7673442 Gmdrm	hypo	CHH	-0.0319
Gm20	7673447	7673862 Gmdrm	hypo	CHH	-0.0408
Gm20	7673964	7674941 Gmdrm	hypo	CHH	-0.0252
Gm20	7678103	7679101 Gmdrm	hypo	CHH	-0.0502
Gm20	7679141	7679445 Gmdrm	hypo	CHH	-0.0862
Gm20	7680585	7681566 Gmdrm	hypo	CHH	-0.1674
Gm20	7681588	7682568 Gmdrm	hypo	CHH	-0.0799

Gm20	7713509	7714007 Gmdrm	hypo	CHH	-0.0256
Gm20	7731042	7731990 Gmdrm	hypo	CHH	-0.054
Gm20	7733494	7734492 Gmdrm	hypo	CHH	-0.0167
Gm20	7760705	7761697 Gmdrm	hypo	CHH	-0.0417
Gm20	7771823	7772811 Gmdrm	hypo	CHH	-0.0492
Gm20	7773065	7774065 Gmdrm	hypo	CHH	-0.0205
Gm20	7775123	7776123 Gmdrm	hypo	CHH	-0.0519
Gm20	7776128	7777126 Gmdrm	hypo	CHH	-0.0487
Gm20	7846399	7847396 Gmdrm	hypo	CHH	-0.0314
Gm20	7898696	7899689 Gmdrm	hypo	CHH	-0.0546
Gm20	7899707	7900692 Gmdrm	hypo	CHH	-0.033
Gm20	7902722	7903693 Gmdrm	hypo	CHH	-0.1926
Gm20	7903766	7904760 Gmdrm	hypo	CHH	-0.1394
Gm20	7904772	7904858 Gmdrm	hypo	CHH	-0.0807
Gm20	7906956	7907950 Gmdrm	hypo	CHH	-0.0209
Gm20	7907962	7908930 Gmdrm	hypo	CHH	-0.0155
Gm20	7910988	7911977 Gmdrm	hypo	CHH	-0.0206
Gm20	7956477	7957463 Gmdrm	hypo	CHH	-0.0595
Gm20	7964269	7965266 Gmdrm	hypo	CHH	-0.0706
Gm20	7965272	7966270 Gmdrm	hypo	CHH	-0.0571
Gm20	8029722	8030673 Gmdrm	hypo	CHH	-0.0628
Gm20	8032584	8033108 Gmdrm	hypo	CHH	-0.0306
Gm20	8046635	8046844 Gmdrm	hypo	CHH	-0.1125
Gm20	8047126	8047334 Gmdrm	hypo	CHH	-0.1429
Gm20	8047718	8048094 Gmdrm	hypo	CHH	-0.0864
Gm20	8048413	8049118 Gmdrm	hypo	CHH	-0.124
Gm20	8051195	8052153 Gmdrm	hypo	CHH	-0.0224
Gm20	8055231	8056228 Gmdrm	hypo	CHH	-0.0661
Gm20	8094921	8095766 Gmdrm	hypo	CHH	-0.0202
Gm20	8096877	8097873 Gmdrm	hypo	CHH	-0.0127
Gm20	8097890	8098563 Gmdrm	hypo	CHH	-0.1297
Gm20	8107907	8108870 Gmdrm	hypo	CHH	-0.0321
Gm20	8110620	8111609 Gmdrm	hypo	CHH	-0.0205
Gm20	8149965	8150865 Gmdrm	hypo	CHH	-0.2762
Gm20	8165355	8165563 Gmdrm	hypo	CHH	-0.1269
Gm20	8181484	8182484 Gmdrm	hypo	CHH	-0.0195
Gm20	8268926	8269921 Gmdrm	hypo	CHH	-0.054
Gm20	8322695	8323648 Gmdrm	hypo	CHH	-0.0582
Gm20	8324704	8325691 Gmdrm	hypo	CHH	-0.0126
Gm20	8471771	8472752 Gmdrm	hypo	CHH	-0.0168
Gm20	8492915	8493915 Gmdrm	hypo	CHH	-0.1169
Gm20	8493916	8494907 Gmdrm	hypo	CHH	-0.0927
Gm20	8503721	8504694 Gmdrm	hypo	CHH	-0.1193
Gm20	8504730	8505725 Gmdrm	hypo	CHH	-0.0517
Gm20	8505735	8506720 Gmdrm	hypo	CHH	-0.0947
Gm20	8507799	8508787 Gmdrm	hypo	CHH	-0.0568

Gm20	8510057	8511057	Gmdrm	hypo	CHH	-0.0117
Gm20	8512157	8512857	Gmdrm	hypo	CHH	-0.0198
Gm20	8526676	8527597	Gmdrm	hypo	CHH	-0.037
Gm20	8534817	8535790	Gmdrm	hypo	CHH	-0.0617
Gm20	8536840	8537623	Gmdrm	hypo	CHH	-0.0819
Gm20	8540532	8541532	Gmdrm	hypo	CHH	-0.084
Gm20	8582723	8583718	Gmdrm	hypo	CHH	-0.022
Gm20	8588085	8589085	Gmdrm	hypo	CHH	-0.1041
Gm20	8589129	8590127	Gmdrm	hypo	CHH	-0.2063
Gm20	8593674	8594656	Gmdrm	hypo	CHH	-0.1358
Gm20	8601910	8602902	Gmdrm	hypo	CHH	-0.0519
Gm20	8602917	8603900	Gmdrm	hypo	CHH	-0.0244
Gm20	8608407	8609406	Gmdrm	hypo	CHH	-0.1152
Gm20	8609419	8609935	Gmdrm	hypo	CHH	-0.1743
Gm20	8634071	8635071	Gmdrm	hypo	CHH	-0.0554
Gm20	8635072	8635932	Gmdrm	hypo	CHH	-0.0511
Gm20	8636319	8636509	Gmdrm	hypo	CHH	-0.0386
Gm20	8638292	8639289	Gmdrm	hypo	CHH	-0.0379
Gm20	8661218	8661868	Gmdrm	hypo	CHH	-0.1348
Gm20	8723861	8724861	Gmdrm	hypo	CHH	-0.0478
Gm20	8725295	8726291	Gmdrm	hypo	CHH	-0.1754
Gm20	8737904	8738903	Gmdrm	hypo	CHH	-0.028
Gm20	8738918	8739916	Gmdrm	hypo	CHH	-0.0111
Gm20	8747404	8747857	Gmdrm	hypo	CHH	-0.025
Gm20	8748122	8749105	Gmdrm	hypo	CHH	-0.0228
Gm20	8762023	8763015	Gmdrm	hypo	CHH	-0.0737
Gm20	8763025	8764022	Gmdrm	hypo	CHH	-0.0854
Gm20	8764032	8764976	Gmdrm	hypo	CHH	-0.026
Gm20	8768289	8769281	Gmdrm	hypo	CHH	-0.0216
Gm20	8773662	8774661	Gmdrm	hypo	CHH	-0.0332
Gm20	8774666	8775247	Gmdrm	hypo	CHH	-0.1105
Gm20	8776434	8777417	Gmdrm	hypo	CHH	-0.0273
Gm20	8784791	8784824	Gmdrm	hypo	CHH	-0.118
Gm20	8786199	8787196	Gmdrm	hypo	CHH	-0.0206
Gm20	8882857	8883857	Gmdrm	hypo	CHH	-0.0136
Gm20	8884990	8885979	Gmdrm	hypo	CHH	-0.0385
Gm20	8887013	8887071	Gmdrm	hypo	CHH	-0.1186
Gm20	8887343	8888342	Gmdrm	hypo	CHH	-0.0605
Gm20	8889357	8890356	Gmdrm	hypo	CHH	-0.0454
Gm20	8890359	8891339	Gmdrm	hypo	CHH	-0.0613
Gm20	8891409	8892407	Gmdrm	hypo	CHH	-0.0386
Gm20	8892410	8893182	Gmdrm	hypo	CHH	-0.065
Gm20	8894567	8895548	Gmdrm	hypo	CHH	-0.0482
Gm20	8899836	8900834	Gmdrm	hypo	CHH	-0.0218
Gm20	8919480	8920457	Gmdrm	hypo	CHH	-0.02
Gm20	8920768	8921180	Gmdrm	hypo	CHH	-0.0309

Gm20	8965845	8966770 Gmdrm	hypo	CHH	-0.2378
Gm20	8974020	8974636 Gmdrm	hypo	CHH	-0.0344
Gm20	8974744	8975739 Gmdrm	hypo	CHH	-0.027
Gm20	8975745	8976743 Gmdrm	hypo	CHH	-0.0578
Gm20	8980874	8981855 Gmdrm	hypo	CHH	-0.0326
Gm20	8981879	8982627 Gmdrm	hypo	CHH	-0.2444
Gm20	8991591	8992586 Gmdrm	hypo	CHH	-0.0455
Gm20	9054651	9055601 Gmdrm	hypo	CHH	-0.0265
Gm20	9116779	9117440 Gmdrm	hypo	CHH	-0.1715
Gm20	9124022	9125021 Gmdrm	hypo	CHH	-0.1802
Gm20	9126032	9127032 Gmdrm	hypo	CHH	-0.0271
Gm20	9157648	9158641 Gmdrm	hypo	CHH	-0.0173
Gm20	9162726	9163570 Gmdrm	hypo	CHH	-0.0187
Gm20	9165360	9166359 Gmdrm	hypo	CHH	-0.0836
Gm20	9166369	9167364 Gmdrm	hypo	CHH	-0.0785
Gm20	9227491	9228448 Gmdrm	hypo	CHH	-0.0273
Gm20	9239323	9240322 Gmdrm	hypo	CHH	-0.0268
Gm20	9264433	9265433 Gmdrm	hypo	CHH	-0.069
Gm20	9291042	9291312 Gmdrm	hypo	CHH	-0.0554
Gm20	9296390	9297383 Gmdrm	hypo	CHH	-0.0433
Gm20	9303236	9303343 Gmdrm	hypo	CHH	-0.1589
Gm20	9481751	9482748 Gmdrm	hypo	CHH	-0.0344
Gm20	9483760	9484759 Gmdrm	hypo	CHH	-0.1073
Gm20	9484761	9485760 Gmdrm	hypo	CHH	-0.013
Gm20	9491317	9492170 Gmdrm	hypo	CHH	-0.0505
Gm20	9631832	9632832 Gmdrm	hypo	CHH	-0.0414
Gm20	9632834	9633829 Gmdrm	hypo	CHH	-0.0559
Gm20	9789758	9789928 Gmdrm	hypo	CHH	-0.16
Gm20	9814986	9815985 Gmdrm	hypo	CHH	-0.0475
Gm20	9926215	9926268 Gmdrm	hypo	CHH	-0.266
Gm20	9982775	9983764 Gmdrm	hypo	CHH	-0.0941
Gm20	9993129	9994125 Gmdrm	hypo	CHH	-0.0232
Gm20	9999248	10000247 Gmdrm	hypo	CHH	-0.08
Gm20	10106451	10107451 Gmdrm	hypo	CHH	-0.0238
Gm20	10107453	10108449 Gmdrm	hypo	CHH	-0.0451
Gm20	10112778	10113044 Gmdrm	hypo	CHH	-0.0258
Gm20	10118491	10119489 Gmdrm	hypo	CHH	-0.0238
Gm20	10154558	10155540 Gmdrm	hypo	CHH	-0.0735
Gm20	10210513	10211502 Gmdrm	hypo	CHH	-0.0492
Gm20	10218455	10219449 Gmdrm	hypo	CHH	-0.0836
Gm20	10221706	10222705 Gmdrm	hypo	CHH	-0.0289
Gm20	10222712	10223707 Gmdrm	hypo	CHH	-0.0319
Gm20	10223735	10224726 Gmdrm	hypo	CHH	-0.0566
Gm20	10224763	10225760 Gmdrm	hypo	CHH	-0.051
Gm20	10245898	10245931 Gmdrm	hypo	CHH	-0.232
Gm20	10490030	10490056 Gmdrm	hypo	CHH	-0.136

Gm20	10657053	10658039	Gmdrm	hypo	CHH	-0.1326
Gm20	10659781	10660778	Gmdrm	hypo	CHH	-0.0124
Gm20	10664185	10665185	Gmdrm	hypo	CHH	-0.1559
Gm20	10665188	10666155	Gmdrm	hypo	CHH	-0.0948
Gm20	10721929	10722354	Gmdrm	hypo	CHH	-0.3105
Gm20	10722771	10723771	Gmdrm	hypo	CHH	-0.0304
Gm20	10723776	10724772	Gmdrm	hypo	CHH	-0.1166
Gm20	10725391	10725919	Gmdrm	hypo	CHH	-0.1049
Gm20	10727249	10728245	Gmdrm	hypo	CHH	-0.0139
Gm20	11044353	11044868	Gmdrm	hypo	CHH	-0.08
Gm20	11045959	11046792	Gmdrm	hypo	CHH	-0.0274
Gm20	11158872	11158988	Gmdrm	hypo	CHH	-0.0671
Gm20	11215634	11216627	Gmdrm	hypo	CHH	-0.0812
Gm20	11226803	11227803	Gmdrm	hypo	CHH	-0.0796
Gm20	11227809	11228790	Gmdrm	hypo	CHH	-0.0572
Gm20	11287437	11287812	Gmdrm	hypo	CHH	-0.0213
Gm20	11288665	11288976	Gmdrm	hypo	CHH	-0.05
Gm20	11295813	11296808	Gmdrm	hypo	CHH	-0.098
Gm20	11296819	11297818	Gmdrm	hypo	CHH	-0.0307
Gm20	11331385	11332385	Gmdrm	hypo	CHH	-0.0323
Gm20	11363184	11364182	Gmdrm	hypo	CHH	-0.0343
Gm20	11419555	11420541	Gmdrm	hypo	CHH	-0.0555
Gm20	11452781	11453765	Gmdrm	hypo	CHH	-0.0162
Gm20	11453789	11454784	Gmdrm	hypo	CHH	-0.1592
Gm20	11456301	11457277	Gmdrm	hypo	CHH	-0.0242
Gm20	11483351	11483734	Gmdrm	hypo	CHH	-0.0148
Gm20	11487243	11488240	Gmdrm	hypo	CHH	-0.0121
Gm20	11496718	11497710	Gmdrm	hypo	CHH	-0.1223
Gm20	11508473	11509469	Gmdrm	hypo	CHH	-0.0506
Gm20	11513071	11514068	Gmdrm	hypo	CHH	-0.0256
Gm20	11514079	11515063	Gmdrm	hypo	CHH	-0.0671
Gm20	11521128	11522126	Gmdrm	hypo	CHH	-0.1058
Gm20	11522131	11522853	Gmdrm	hypo	CHH	-0.0274
Gm20	11608701	11609676	Gmdrm	hypo	CHH	-0.0343
Gm20	11610674	11611624	Gmdrm	hypo	CHH	-0.1116
Gm20	11628396	11629376	Gmdrm	hypo	CHH	-0.0661
Gm20	11669165	11669767	Gmdrm	hypo	CHH	-0.0311
Gm20	11762731	11763724	Gmdrm	hypo	CHH	-0.0486
Gm20	11771810	11772808	Gmdrm	hypo	CHH	-0.0425
Gm20	11783191	11784189	Gmdrm	hypo	CHH	-0.0222
Gm20	11784192	11785184	Gmdrm	hypo	CHH	-0.0606
Gm20	11799349	11800348	Gmdrm	hypo	CHH	-0.05
Gm20	11802673	11802993	Gmdrm	hypo	CHH	-0.026
Gm20	11842341	11843339	Gmdrm	hypo	CHH	-0.0571
Gm20	11850197	11850744	Gmdrm	hypo	CHH	-0.1506
Gm20	11852707	11853201	Gmdrm	hypo	CHH	-0.0379

Gm20	11866043	11867039	Gmdrm	hypo	CHH	-0.0469
Gm20	11880461	11881458	Gmdrm	hypo	CHH	-0.0647
Gm20	11914464	11914915	Gmdrm	hypo	CHH	-0.0308
Gm20	11916604	11917584	Gmdrm	hypo	CHH	-0.243
Gm20	11917644	11918589	Gmdrm	hypo	CHH	-0.105
Gm20	11930201	11930755	Gmdrm	hypo	CHH	-0.0224
Gm20	11942295	11943230	Gmdrm	hypo	CHH	-0.1032
Gm20	11950283	11951283	Gmdrm	hypo	CHH	-0.0255
Gm20	11951339	11952330	Gmdrm	hypo	CHH	-0.0193
Gm20	11975397	11976395	Gmdrm	hypo	CHH	-0.0314
Gm20	11976399	11977392	Gmdrm	hypo	CHH	-0.099
Gm20	11991452	11992451	Gmdrm	hypo	CHH	-0.0503
Gm20	11993257	11994252	Gmdrm	hypo	CHH	-0.0953
Gm20	11994262	11995250	Gmdrm	hypo	CHH	-0.0198
Gm20	11996275	11997260	Gmdrm	hypo	CHH	-0.0334
Gm20	11997315	11998314	Gmdrm	hypo	CHH	-0.0536
Gm20	11998318	11999304	Gmdrm	hypo	CHH	-0.035
Gm20	12010347	12011343	Gmdrm	hypo	CHH	-0.0249
Gm20	12114257	12115241	Gmdrm	hypo	CHH	-0.0561
Gm20	12260264	12261190	Gmdrm	hypo	CHH	-0.0143
Gm20	12322508	12323508	Gmdrm	hypo	CHH	-0.0348
Gm20	12331486	12332480	Gmdrm	hypo	CHH	-0.0184
Gm20	12347548	12348548	Gmdrm	hypo	CHH	-0.0659
Gm20	12393615	12394612	Gmdrm	hypo	CHH	-0.0389
Gm20	12394617	12395613	Gmdrm	hypo	CHH	-0.0604
Gm20	12404288	12404596	Gmdrm	hypo	CHH	-0.067
Gm20	12409376	12410375	Gmdrm	hypo	CHH	-0.0104
Gm20	12421535	12422532	Gmdrm	hypo	CHH	-0.0264
Gm20	12424553	12425506	Gmdrm	hypo	CHH	-0.0824
Gm20	12428528	12429515	Gmdrm	hypo	CHH	-0.061
Gm20	12469309	12470309	Gmdrm	hypo	CHH	-0.0487
Gm20	12510555	12511553	Gmdrm	hypo	CHH	-0.0841
Gm20	12532740	12532986	Gmdrm	hypo	CHH	-0.0346
Gm20	12554796	12555789	Gmdrm	hypo	CHH	-0.0491
Gm20	12572712	12573675	Gmdrm	hypo	CHH	-0.0161
Gm20	12574788	12575772	Gmdrm	hypo	CHH	-0.0362
Gm20	12575789	12576777	Gmdrm	hypo	CHH	-0.0188
Gm20	12576794	12577794	Gmdrm	hypo	CHH	-0.0332
Gm20	12607237	12608222	Gmdrm	hypo	CHH	-0.0181
Gm20	12648075	12648169	Gmdrm	hypo	CHH	-0.094
Gm20	12718311	12719311	Gmdrm	hypo	CHH	-0.0723
Gm20	12818387	12819375	Gmdrm	hypo	CHH	-0.0212
Gm20	12900650	12901648	Gmdrm	hypo	CHH	-0.1331
Gm20	12901652	12902645	Gmdrm	hypo	CHH	-0.1481
Gm20	12903333	12904258	Gmdrm	hypo	CHH	-0.0258
Gm20	12904516	12905280	Gmdrm	hypo	CHH	-0.0555

Gm20	12909841	12910827	Gmdrm	hypo	CHH	-0.0498
Gm20	12917051	12917198	Gmdrm	hypo	CHH	-0.0828
Gm20	12917308	12918304	Gmdrm	hypo	CHH	-0.0595
Gm20	12918313	12919267	Gmdrm	hypo	CHH	-0.0649
Gm20	12927134	12928131	Gmdrm	hypo	CHH	-0.0717
Gm20	12928137	12928708	Gmdrm	hypo	CHH	-0.0676
Gm20	12929827	12930691	Gmdrm	hypo	CHH	-0.0392
Gm20	13157510	13158470	Gmdrm	hypo	CHH	-0.0508
Gm20	13217345	13218314	Gmdrm	hypo	CHH	-0.0116
Gm20	13219361	13220340	Gmdrm	hypo	CHH	-0.0178
Gm20	13222366	13222738	Gmdrm	hypo	CHH	-0.0724
Gm20	13232128	13233128	Gmdrm	hypo	CHH	-0.0552
Gm20	13233131	13233958	Gmdrm	hypo	CHH	-0.0722
Gm20	13235077	13236066	Gmdrm	hypo	CHH	-0.0248
Gm20	13237136	13238135	Gmdrm	hypo	CHH	-0.0435
Gm20	13275680	13275744	Gmdrm	hypo	CHH	-0.2117
Gm20	13317724	13318669	Gmdrm	hypo	CHH	-0.0493
Gm20	13513662	13514659	Gmdrm	hypo	CHH	-0.0234
Gm20	13514663	13515663	Gmdrm	hypo	CHH	-0.0466
Gm20	13519624	13520234	Gmdrm	hypo	CHH	-0.0595
Gm20	13528155	13529144	Gmdrm	hypo	CHH	-0.0161
Gm20	13704296	13705272	Gmdrm	hypo	CHH	-0.0968
Gm20	13710486	13710507	Gmdrm	hypo	CHH	-0.176
Gm20	13710608	13711586	Gmdrm	hypo	CHH	-0.0725
Gm20	13715752	13716748	Gmdrm	hypo	CHH	-0.0462
Gm20	13720107	13721084	Gmdrm	hypo	CHH	-0.0639
Gm20	13751889	13752594	Gmdrm	hypo	CHH	-0.0317
Gm20	13755992	13756989	Gmdrm	hypo	CHH	-0.1637
Gm20	13758061	13759057	Gmdrm	hypo	CHH	-0.0348
Gm20	14059136	14060128	Gmdrm	hypo	CHH	-0.0256
Gm20	14149098	14150022	Gmdrm	hypo	CHH	-0.0499
Gm20	14154206	14154891	Gmdrm	hypo	CHH	-0.0261
Gm20	14218315	14219308	Gmdrm	hypo	CHH	-0.0414
Gm20	14219339	14220334	Gmdrm	hypo	CHH	-0.0138
Gm20	14220342	14220701	Gmdrm	hypo	CHH	-0.04
Gm20	14225239	14225366	Gmdrm	hypo	CHH	-0.0467
Gm20	14226613	14227613	Gmdrm	hypo	CHH	-0.0275
Gm20	14231855	14232823	Gmdrm	hypo	CHH	-0.023
Gm20	14338100	14339098	Gmdrm	hypo	CHH	-0.0381
Gm20	14346828	14347825	Gmdrm	hypo	CHH	-0.0632
Gm20	14347830	14348567	Gmdrm	hypo	CHH	-0.0376
Gm20	14349035	14350004	Gmdrm	hypo	CHH	-0.0326
Gm20	14359569	14360548	Gmdrm	hypo	CHH	-0.1184
Gm20	14360572	14361485	Gmdrm	hypo	CHH	-0.0848
Gm20	14364276	14365276	Gmdrm	hypo	CHH	-0.0619
Gm20	14365278	14366270	Gmdrm	hypo	CHH	-0.0273

Gm20	14378228	14379216	Gmdrm	hypo	CHH	-0.0654
Gm20	14379251	14380239	Gmdrm	hypo	CHH	-0.0198
Gm20	14381291	14382046	Gmdrm	hypo	CHH	-0.0259
Gm20	14392687	14393650	Gmdrm	hypo	CHH	-0.0142
Gm20	14395444	14396441	Gmdrm	hypo	CHH	-0.0895
Gm20	14514094	14515078	Gmdrm	hypo	CHH	-0.1567
Gm20	14536186	14537184	Gmdrm	hypo	CHH	-0.0402
Gm20	14537196	14537431	Gmdrm	hypo	CHH	-0.1176
Gm20	14537562	14538337	Gmdrm	hypo	CHH	-0.0391
Gm20	14538457	14538790	Gmdrm	hypo	CHH	-0.0497
Gm20	14539934	14540545	Gmdrm	hypo	CHH	-0.0539
Gm20	14543794	14544789	Gmdrm	hypo	CHH	-0.0446
Gm20	14549124	14550106	Gmdrm	hypo	CHH	-0.0735
Gm20	14550127	14551100	Gmdrm	hypo	CHH	-0.0476
Gm20	14633779	14634778	Gmdrm	hypo	CHH	-0.048
Gm20	14634786	14635353	Gmdrm	hypo	CHH	-0.227
Gm20	14636394	14637392	Gmdrm	hypo	CHH	-0.061
Gm20	14695674	14696634	Gmdrm	hypo	CHH	-0.1402
Gm20	14696684	14697682	Gmdrm	hypo	CHH	-0.0227
Gm20	14893581	14893942	Gmdrm	hypo	CHH	-0.1384
Gm20	15213188	15213223	Gmdrm	hypo	CHH	-0.1457
Gm20	15234443	15234559	Gmdrm	hypo	CHH	-0.0416
Gm20	15237721	15237786	Gmdrm	hypo	CHH	-0.1018
Gm20	15257754	15258278	Gmdrm	hypo	CHH	-0.0307
Gm20	15274895	15275795	Gmdrm	hypo	CHH	-0.0307
Gm20	15280925	15281726	Gmdrm	hypo	CHH	-0.0703
Gm20	15285402	15285576	Gmdrm	hypo	CHH	-0.07
Gm20	15291887	15292172	Gmdrm	hypo	CHH	-0.1113
Gm20	15320215	15320487	Gmdrm	hypo	CHH	-0.1243
Gm20	15435120	15435240	Gmdrm	hypo	CHH	-0.1321
Gm20	15453387	15453677	Gmdrm	hypo	CHH	-0.09
Gm20	15581310	15582285	Gmdrm	hypo	CHH	-0.0648
Gm20	15716890	15717883	Gmdrm	hypo	CHH	-0.0248
Gm20	15751640	15752635	Gmdrm	hypo	CHH	-0.0678
Gm20	16050567	16051127	Gmdrm	hypo	CHH	-0.1215
Gm20	16068035	16068129	Gmdrm	hypo	CHH	-0.174
Gm20	16168892	16169044	Gmdrm	hypo	CHH	-0.1371
Gm20	16275141	16275559	Gmdrm	hypo	CHH	-0.1038
Gm20	16307959	16308374	Gmdrm	hypo	CHH	-0.04
Gm20	16671103	16671775	Gmdrm	hypo	CHH	-0.0912
Gm20	16811639	16812637	Gmdrm	hypo	CHH	-0.0523
Gm20	16812640	16813061	Gmdrm	hypo	CHH	-0.0738
Gm20	16927344	16928344	Gmdrm	hypo	CHH	-0.0522
Gm20	16948217	16948770	Gmdrm	hypo	CHH	-0.0604
Gm20	17004600	17004929	Gmdrm	hypo	CHH	-0.0946
Gm20	17011196	17011670	Gmdrm	hypo	CHH	-0.0296

Gm20	17013946	17014945	Gmdrm	hypo	CHH	-0.0255
Gm20	17076299	17077281	Gmdrm	hypo	CHH	-0.0514
Gm20	17362430	17362784	Gmdrm	hypo	CHH	-0.1253
Gm20	17368575	17369537	Gmdrm	hypo	CHH	-0.0158
Gm20	17369577	17370573	Gmdrm	hypo	CHH	-0.0405
Gm20	17539599	17540599	Gmdrm	hypo	CHH	-0.0602
Gm20	17548919	17549918	Gmdrm	hypo	CHH	-0.1259
Gm20	17727335	17728335	Gmdrm	hypo	CHH	-0.0325
Gm20	17869271	17870175	Gmdrm	hypo	CHH	-0.1057
Gm20	18130829	18130898	Gmdrm	hypo	CHH	-0.1785
Gm20	18351795	18352608	Gmdrm	hypo	CHH	-0.06
Gm20	18361158	18362137	Gmdrm	hypo	CHH	-0.0442
Gm20	18380574	18381574	Gmdrm	hypo	CHH	-0.0251
Gm20	18394910	18395271	Gmdrm	hypo	CHH	-0.0324
Gm20	18573580	18574569	Gmdrm	hypo	CHH	-0.0469
Gm20	18594207	18595058	Gmdrm	hypo	CHH	-0.0541
Gm20	18610035	18611021	Gmdrm	hypo	CHH	-0.0198
Gm20	18635041	18635937	Gmdrm	hypo	CHH	-0.05
Gm20	18638365	18639361	Gmdrm	hypo	CHH	-0.0248
Gm20	18640377	18641364	Gmdrm	hypo	CHH	-0.0536
Gm20	18642080	18643071	Gmdrm	hypo	CHH	-0.0276
Gm20	18785980	18786039	Gmdrm	hypo	CHH	-0.1889
Gm20	19014076	19015051	Gmdrm	hypo	CHH	-0.024
Gm20	19015097	19016076	Gmdrm	hypo	CHH	-0.0298
Gm20	19041772	19042763	Gmdrm	hypo	CHH	-0.0246
Gm20	19097444	19098439	Gmdrm	hypo	CHH	-0.0662
Gm20	19098448	19099440	Gmdrm	hypo	CHH	-0.079
Gm20	19122937	19123937	Gmdrm	hypo	CHH	-0.0235
Gm20	19131338	19132306	Gmdrm	hypo	CHH	-0.0483
Gm20	19139109	19140104	Gmdrm	hypo	CHH	-0.0443
Gm20	19228689	19229240	Gmdrm	hypo	CHH	-0.0669
Gm20	19230837	19231823	Gmdrm	hypo	CHH	-0.0362
Gm20	19272558	19273545	Gmdrm	hypo	CHH	-0.0262
Gm20	19273563	19274542	Gmdrm	hypo	CHH	-0.019
Gm20	19276598	19277595	Gmdrm	hypo	CHH	-0.0146
Gm20	19338589	19339585	Gmdrm	hypo	CHH	-0.0389
Gm20	19344656	19345653	Gmdrm	hypo	CHH	-0.0552
Gm20	19346669	19347212	Gmdrm	hypo	CHH	-0.1245
Gm20	19347333	19348329	Gmdrm	hypo	CHH	-0.0674
Gm20	19369585	19370533	Gmdrm	hypo	CHH	-0.0693
Gm20	19416229	19417225	Gmdrm	hypo	CHH	-0.0322
Gm20	19488445	19489439	Gmdrm	hypo	CHH	-0.0722
Gm20	19489447	19490419	Gmdrm	hypo	CHH	-0.082
Gm20	19493774	19494773	Gmdrm	hypo	CHH	-0.019
Gm20	19782207	19782283	Gmdrm	hypo	CHH	-0.1527
Gm20	19845814	19846811	Gmdrm	hypo	CHH	-0.0321

Gm20	19848030	19848995	Gmdrm	hypo	CHH	-0.018
Gm20	19849031	19850009	Gmdrm	hypo	CHH	-0.0164
Gm20	19857548	19857680	Gmdrm	hypo	CHH	-0.094
Gm20	19864291	19865174	Gmdrm	hypo	CHH	-0.3956
Gm20	19865298	19866276	Gmdrm	hypo	CHH	-0.0531
Gm20	19868762	19869619	Gmdrm	hypo	CHH	-0.1747
Gm20	19871865	19872676	Gmdrm	hypo	CHH	-0.0137
Gm20	19875073	19876052	Gmdrm	hypo	CHH	-0.0654
Gm20	20069637	20070636	Gmdrm	hypo	CHH	-0.0577
Gm20	20073313	20074284	Gmdrm	hypo	CHH	-0.0146
Gm20	20074321	20075310	Gmdrm	hypo	CHH	-0.0122
Gm20	20075922	20076912	Gmdrm	hypo	CHH	-0.0499
Gm20	20192937	20193929	Gmdrm	hypo	CHH	-0.1108
Gm20	20240523	20240912	Gmdrm	hypo	CHH	-0.0412
Gm20	20242053	20243049	Gmdrm	hypo	CHH	-0.0184
Gm20	20347748	20347770	Gmdrm	hypo	CHH	-0.186
Gm20	20378835	20379832	Gmdrm	hypo	CHH	-0.044
Gm20	20396390	20397373	Gmdrm	hypo	CHH	-0.0329
Gm20	20410853	20411492	Gmdrm	hypo	CHH	-0.137
Gm20	20413243	20413435	Gmdrm	hypo	CHH	-0.05
Gm20	20417575	20417674	Gmdrm	hypo	CHH	-0.036
Gm20	20427703	20428696	Gmdrm	hypo	CHH	-0.0278
Gm20	20428722	20429511	Gmdrm	hypo	CHH	-0.0273
Gm20	20432545	20433474	Gmdrm	hypo	CHH	-0.0246
Gm20	20552910	20553246	Gmdrm	hypo	CHH	-0.0178
Gm20	20556511	20557459	Gmdrm	hypo	CHH	-0.015
Gm20	21171149	21172123	Gmdrm	hypo	CHH	-0.0215
Gm20	21173374	21174364	Gmdrm	hypo	CHH	-0.0235
Gm20	21174382	21175375	Gmdrm	hypo	CHH	-0.0405
Gm20	21373047	21373634	Gmdrm	hypo	CHH	-0.0321
Gm20	21638942	21639918	Gmdrm	hypo	CHH	-0.0125
Gm20	21640973	21641967	Gmdrm	hypo	CHH	-0.0197
Gm20	21659088	21659536	Gmdrm	hypo	CHH	-0.0325
Gm20	21750745	21750912	Gmdrm	hypo	CHH	-0.0428
Gm20	21756007	21756970	Gmdrm	hypo	CHH	-0.0234
Gm20	21759041	21760041	Gmdrm	hypo	CHH	-0.0794
Gm20	21816325	21817031	Gmdrm	hypo	CHH	-0.0288
Gm20	21817769	21818766	Gmdrm	hypo	CHH	-0.0993
Gm20	21818791	21819067	Gmdrm	hypo	CHH	-0.0866
Gm20	22061350	22061451	Gmdrm	hypo	CHH	-0.192
Gm20	22278319	22279319	Gmdrm	hypo	CHH	-0.0496
Gm20	22284338	22285305	Gmdrm	hypo	CHH	-0.0467
Gm20	22495578	22495840	Gmdrm	hypo	CHH	-0.1763
Gm20	22578815	22579803	Gmdrm	hypo	CHH	-0.0368
Gm20	22701803	22702716	Gmdrm	hypo	CHH	-0.0429
Gm20	22703172	22704164	Gmdrm	hypo	CHH	-0.0269

Gm20	22704184	22705177	Gmdrm	hypo	CHH	-0.0279
Gm20	22706456	22707454	Gmdrm	hypo	CHH	-0.0159
Gm20	22733594	22733772	Gmdrm	hypo	CHH	-0.0378
Gm20	22774029	22774899	Gmdrm	hypo	CHH	-0.202
Gm20	22775030	22776014	Gmdrm	hypo	CHH	-0.119
Gm20	22863713	22864712	Gmdrm	hypo	CHH	-0.0419
Gm20	22864770	22865736	Gmdrm	hypo	CHH	-0.1242
Gm20	22866302	22867299	Gmdrm	hypo	CHH	-0.0265
Gm20	22868090	22869087	Gmdrm	hypo	CHH	-0.059
Gm20	22897730	22898715	Gmdrm	hypo	CHH	-0.0575
Gm20	22928444	22929440	Gmdrm	hypo	CHH	-0.0508
Gm20	22986778	22987753	Gmdrm	hypo	CHH	-0.0717
Gm20	22987807	22988172	Gmdrm	hypo	CHH	-0.2574
Gm20	22988673	22988709	Gmdrm	hypo	CHH	-0.2214
Gm20	22989042	22990036	Gmdrm	hypo	CHH	-0.0275
Gm20	22992322	22993314	Gmdrm	hypo	CHH	-0.026
Gm20	23011741	23012741	Gmdrm	hypo	CHH	-0.0837
Gm20	23065427	23066406	Gmdrm	hypo	CHH	-0.0468
Gm20	23110528	23110758	Gmdrm	hypo	CHH	-0.0547
Gm20	23112557	23113527	Gmdrm	hypo	CHH	-0.0435
Gm20	23122510	23123474	Gmdrm	hypo	CHH	-0.0398
Gm20	23162044	23162977	Gmdrm	hypo	CHH	-0.0544
Gm20	23166726	23167725	Gmdrm	hypo	CHH	-0.0152
Gm20	23210911	23211907	Gmdrm	hypo	CHH	-0.0317
Gm20	23211916	23212915	Gmdrm	hypo	CHH	-0.0622
Gm20	23212948	23213947	Gmdrm	hypo	CHH	-0.0241
Gm20	23213954	23214715	Gmdrm	hypo	CHH	-0.1306
Gm20	23224904	23225183	Gmdrm	hypo	CHH	-0.09
Gm20	23309210	23310180	Gmdrm	hypo	CHH	-0.028
Gm20	23330071	23331041	Gmdrm	hypo	CHH	-0.0243
Gm20	23332925	23333721	Gmdrm	hypo	CHH	-0.035
Gm20	23334025	23335014	Gmdrm	hypo	CHH	-0.0919
Gm20	23434976	23435966	Gmdrm	hypo	CHH	-0.0249
Gm20	23435978	23436960	Gmdrm	hypo	CHH	-0.1472
Gm20	23437997	23438992	Gmdrm	hypo	CHH	-0.0213
Gm20	23441732	23442726	Gmdrm	hypo	CHH	-0.0249
Gm20	23448656	23449648	Gmdrm	hypo	CHH	-0.0475
Gm20	23449662	23450636	Gmdrm	hypo	CHH	-0.0783
Gm20	23460314	23461313	Gmdrm	hypo	CHH	-0.0646
Gm20	23502795	23503769	Gmdrm	hypo	CHH	-0.0246
Gm20	23507385	23507919	Gmdrm	hypo	CHH	-0.0307
Gm20	23508676	23509672	Gmdrm	hypo	CHH	-0.0439
Gm20	23515083	23516078	Gmdrm	hypo	CHH	-0.0847
Gm20	23516095	23517095	Gmdrm	hypo	CHH	-0.0774
Gm20	23572129	23572745	Gmdrm	hypo	CHH	-0.065
Gm20	23574159	23574460	Gmdrm	hypo	CHH	-0.0242

Gm20	23594423	23595409	Gmdrm	hypo	CHH	-0.0808
Gm20	23649235	23650145	Gmdrm	hypo	CHH	-0.0228
Gm20	23653086	23654085	Gmdrm	hypo	CHH	-0.0934
Gm20	23654089	23655070	Gmdrm	hypo	CHH	-0.0524
Gm20	23655095	23656083	Gmdrm	hypo	CHH	-0.02
Gm20	23696932	23697492	Gmdrm	hypo	CHH	-0.0573
Gm20	23790115	23791113	Gmdrm	hypo	CHH	-0.057
Gm20	23791119	23792119	Gmdrm	hypo	CHH	-0.0536
Gm20	23793136	23794134	Gmdrm	hypo	CHH	-0.0108
Gm20	23794154	23795154	Gmdrm	hypo	CHH	-0.028
Gm20	23798184	23799178	Gmdrm	hypo	CHH	-0.12
Gm20	23830885	23831881	Gmdrm	hypo	CHH	-0.0344
Gm20	23831896	23832896	Gmdrm	hypo	CHH	-0.0231
Gm20	23833816	23834811	Gmdrm	hypo	CHH	-0.13
Gm20	23834821	23835364	Gmdrm	hypo	CHH	-0.1492
Gm20	23846790	23847780	Gmdrm	hypo	CHH	-0.0474
Gm20	23847797	23848782	Gmdrm	hypo	CHH	-0.0233
Gm20	23850060	23851047	Gmdrm	hypo	CHH	-0.0347
Gm20	23906266	23907265	Gmdrm	hypo	CHH	-0.0504
Gm20	23907268	23908258	Gmdrm	hypo	CHH	-0.0715
Gm20	24009264	24010260	Gmdrm	hypo	CHH	-0.1024
Gm20	24060778	24061773	Gmdrm	hypo	CHH	-0.0457
Gm20	24078917	24079898	Gmdrm	hypo	CHH	-0.0232
Gm20	24087978	24088849	Gmdrm	hypo	CHH	-0.0341
Gm20	24090838	24091075	Gmdrm	hypo	CHH	-0.034
Gm20	24113607	24114311	Gmdrm	hypo	CHH	-0.0434
Gm20	24115215	24116212	Gmdrm	hypo	CHH	-0.0576
Gm20	24116226	24117224	Gmdrm	hypo	CHH	-0.049
Gm20	24117241	24118233	Gmdrm	hypo	CHH	-0.0107
Gm20	24182559	24183555	Gmdrm	hypo	CHH	-0.04
Gm20	24183621	24184620	Gmdrm	hypo	CHH	-0.028
Gm20	24184640	24185634	Gmdrm	hypo	CHH	-0.0753
Gm20	24185666	24186652	Gmdrm	hypo	CHH	-0.013
Gm20	24247315	24247450	Gmdrm	hypo	CHH	-0.0967
Gm20	24247553	24248187	Gmdrm	hypo	CHH	-0.0235
Gm20	24250323	24251297	Gmdrm	hypo	CHH	-0.0927
Gm20	24254450	24254776	Gmdrm	hypo	CHH	-0.1721
Gm20	24300573	24301572	Gmdrm	hypo	CHH	-0.0272
Gm20	24303824	24304823	Gmdrm	hypo	CHH	-0.017
Gm20	24316970	24317967	Gmdrm	hypo	CHH	-0.0361
Gm20	24320086	24321075	Gmdrm	hypo	CHH	-0.035
Gm20	24322115	24323114	Gmdrm	hypo	CHH	-0.0296
Gm20	24391816	24392796	Gmdrm	hypo	CHH	-0.0125
Gm20	24398887	24399866	Gmdrm	hypo	CHH	-0.0191
Gm20	24399892	24400882	Gmdrm	hypo	CHH	-0.0465
Gm20	24400908	24401841	Gmdrm	hypo	CHH	-0.1174

Gm20	24421699	24422692	Gmdrm	hypo	CHH	-0.0883
Gm20	24423715	24424709	Gmdrm	hypo	CHH	-0.0323
Gm20	24455479	24456476	Gmdrm	hypo	CHH	-0.0719
Gm20	24457424	24458421	Gmdrm	hypo	CHH	-0.0341
Gm20	24458430	24459430	Gmdrm	hypo	CHH	-0.0587
Gm20	24459433	24460426	Gmdrm	hypo	CHH	-0.0963
Gm20	24464429	24464561	Gmdrm	hypo	CHH	-0.046
Gm20	24464671	24465623	Gmdrm	hypo	CHH	-0.0403
Gm20	24515629	24516300	Gmdrm	hypo	CHH	-0.1096
Gm20	24517366	24518359	Gmdrm	hypo	CHH	-0.0463
Gm20	24579368	24580350	Gmdrm	hypo	CHH	-0.0288
Gm20	24587327	24588326	Gmdrm	hypo	CHH	-0.0203
Gm20	24597422	24598409	Gmdrm	hypo	CHH	-0.0161
Gm20	24620833	24621823	Gmdrm	hypo	CHH	-0.0392
Gm20	24622862	24623723	Gmdrm	hypo	CHH	-0.0231
Gm20	24623961	24624959	Gmdrm	hypo	CHH	-0.0415
Gm20	24643332	24644217	Gmdrm	hypo	CHH	-0.1113
Gm20	24644352	24645348	Gmdrm	hypo	CHH	-0.015
Gm20	24652764	24653764	Gmdrm	hypo	CHH	-0.0542
Gm20	24655784	24656784	Gmdrm	hypo	CHH	-0.0218
Gm20	24668889	24669553	Gmdrm	hypo	CHH	-0.0175
Gm20	24670452	24671445	Gmdrm	hypo	CHH	-0.0238
Gm20	24725814	24726807	Gmdrm	hypo	CHH	-0.0507
Gm20	24729144	24730142	Gmdrm	hypo	CHH	-0.0121
Gm20	24733183	24734167	Gmdrm	hypo	CHH	-0.0228
Gm20	24734798	24734954	Gmdrm	hypo	CHH	-0.1175
Gm20	24758228	24759185	Gmdrm	hypo	CHH	-0.0959
Gm20	24793561	24794557	Gmdrm	hypo	CHH	-0.0848
Gm20	24794563	24795042	Gmdrm	hypo	CHH	-0.23
Gm20	24802977	24803965	Gmdrm	hypo	CHH	-0.0352
Gm20	24803980	24804963	Gmdrm	hypo	CHH	-0.0268
Gm20	24809195	24810192	Gmdrm	hypo	CHH	-0.0256
Gm20	24810218	24811201	Gmdrm	hypo	CHH	-0.1137
Gm20	24814343	24815329	Gmdrm	hypo	CHH	-0.0293
Gm20	24816712	24817712	Gmdrm	hypo	CHH	-0.0852
Gm20	24817716	24818713	Gmdrm	hypo	CHH	-0.1361
Gm20	24883453	24884385	Gmdrm	hypo	CHH	-0.0459
Gm20	24892858	24892950	Gmdrm	hypo	CHH	-0.091
Gm20	24893792	24894727	Gmdrm	hypo	CHH	-0.0244
Gm20	24898294	24898950	Gmdrm	hypo	CHH	-0.0749
Gm20	24900071	24901061	Gmdrm	hypo	CHH	-0.0698
Gm20	24934195	24934396	Gmdrm	hypo	CHH	-0.1487
Gm20	25009509	25010503	Gmdrm	hypo	CHH	-0.0534
Gm20	25015151	25016146	Gmdrm	hypo	CHH	-0.0173
Gm20	25017172	25018168	Gmdrm	hypo	CHH	-0.0306
Gm20	25024211	25025144	Gmdrm	hypo	CHH	-0.0393

Gm20	25025214	25026207	Gmdrm	hypo	CHH	-0.0154
Gm20	25027129	25027696	Gmdrm	hypo	CHH	-0.0389
Gm20	25034203	25034894	Gmdrm	hypo	CHH	-0.0375
Gm20	25037014	25037997	Gmdrm	hypo	CHH	-0.0538
Gm20	25064438	25065435	Gmdrm	hypo	CHH	-0.0246
Gm20	25065447	25066443	Gmdrm	hypo	CHH	-0.0273
Gm20	25066449	25067431	Gmdrm	hypo	CHH	-0.0524
Gm20	25067465	25068457	Gmdrm	hypo	CHH	-0.0291
Gm20	25088040	25089032	Gmdrm	hypo	CHH	-0.0738
Gm20	25089058	25090053	Gmdrm	hypo	CHH	-0.114
Gm20	25090059	25091055	Gmdrm	hypo	CHH	-0.0746
Gm20	25093057	25094052	Gmdrm	hypo	CHH	-0.0589
Gm20	25269737	25270734	Gmdrm	hypo	CHH	-0.021
Gm20	25356705	25357692	Gmdrm	hypo	CHH	-0.0466
Gm20	25358613	25359607	Gmdrm	hypo	CHH	-0.0662
Gm20	25409815	25410813	Gmdrm	hypo	CHH	-0.0479
Gm20	25410820	25411820	Gmdrm	hypo	CHH	-0.0445
Gm20	25424311	25424472	Gmdrm	hypo	CHH	-0.0336
Gm20	25425255	25426254	Gmdrm	hypo	CHH	-0.1102
Gm20	25445330	25445875	Gmdrm	hypo	CHH	-0.061
Gm20	25509065	25510061	Gmdrm	hypo	CHH	-0.0118
Gm20	25521661	25522654	Gmdrm	hypo	CHH	-0.0223
Gm20	25522672	25523671	Gmdrm	hypo	CHH	-0.0414
Gm20	25523673	25524669	Gmdrm	hypo	CHH	-0.05
Gm20	25527140	25528103	Gmdrm	hypo	CHH	-0.0605
Gm20	25574186	25575179	Gmdrm	hypo	CHH	-0.0488
Gm20	25575764	25576753	Gmdrm	hypo	CHH	-0.0227
Gm20	25588678	25589673	Gmdrm	hypo	CHH	-0.0516
Gm20	25589682	25590679	Gmdrm	hypo	CHH	-0.027
Gm20	25601924	25602880	Gmdrm	hypo	CHH	-0.1069
Gm20	25617478	25618466	Gmdrm	hypo	CHH	-0.0367
Gm20	25645410	25646408	Gmdrm	hypo	CHH	-0.0605
Gm20	25646413	25647402	Gmdrm	hypo	CHH	-0.0689
Gm20	25651431	25652425	Gmdrm	hypo	CHH	-0.2775
Gm20	25670963	25671963	Gmdrm	hypo	CHH	-0.0243
Gm20	25671979	25672958	Gmdrm	hypo	CHH	-0.0216
Gm20	25789576	25790575	Gmdrm	hypo	CHH	-0.1724
Gm20	25812607	25813386	Gmdrm	hypo	CHH	-0.0223
Gm20	25823565	25824194	Gmdrm	hypo	CHH	-0.0583
Gm20	25836453	25837446	Gmdrm	hypo	CHH	-0.0842
Gm20	25837473	25838470	Gmdrm	hypo	CHH	-0.0692
Gm20	25838476	25839473	Gmdrm	hypo	CHH	-0.0797
Gm20	25857914	25858147	Gmdrm	hypo	CHH	-0.0515
Gm20	25913447	25913544	Gmdrm	hypo	CHH	-0.1094
Gm20	26045338	26046324	Gmdrm	hypo	CHH	-0.0318
Gm20	26107517	26108517	Gmdrm	hypo	CHH	-0.0453

Gm20	26134524	26135511	Gmdrm	hypo	CHH	-0.0388
Gm20	26137736	26138726	Gmdrm	hypo	CHH	-0.0191
Gm20	26141984	26142984	Gmdrm	hypo	CHH	-0.0874
Gm20	26142987	26143980	Gmdrm	hypo	CHH	-0.1427
Gm20	26146045	26147039	Gmdrm	hypo	CHH	-0.0528
Gm20	26244032	26245032	Gmdrm	hypo	CHH	-0.0525
Gm20	26245036	26246034	Gmdrm	hypo	CHH	-0.3203
Gm20	26255796	26256519	Gmdrm	hypo	CHH	-0.0465
Gm20	26265311	26266305	Gmdrm	hypo	CHH	-0.0284
Gm20	26267813	26268808	Gmdrm	hypo	CHH	-0.0097
Gm20	26290903	26291891	Gmdrm	hypo	CHH	-0.0298
Gm20	26302594	26303578	Gmdrm	hypo	CHH	-0.0252
Gm20	26303628	26304626	Gmdrm	hypo	CHH	-0.0684
Gm20	26355986	26356980	Gmdrm	hypo	CHH	-0.0354
Gm20	26361052	26361242	Gmdrm	hypo	CHH	-0.065
Gm20	26764000	26764996	Gmdrm	hypo	CHH	-0.0781
Gm20	26785534	26785597	Gmdrm	hypo	CHH	-0.2056
Gm20	26798494	26799488	Gmdrm	hypo	CHH	-0.068
Gm20	26810885	26811883	Gmdrm	hypo	CHH	-0.024
Gm20	26865122	26866112	Gmdrm	hypo	CHH	-0.053
Gm20	26866126	26867124	Gmdrm	hypo	CHH	-0.0254
Gm20	26869704	26870354	Gmdrm	hypo	CHH	-0.0561
Gm20	26870890	26871879	Gmdrm	hypo	CHH	-0.079
Gm20	26954045	26955044	Gmdrm	hypo	CHH	-0.0472
Gm20	26980866	26981859	Gmdrm	hypo	CHH	-0.0415
Gm20	27116693	27117681	Gmdrm	hypo	CHH	-0.0448
Gm20	27223526	27224284	Gmdrm	hypo	CHH	-0.0492
Gm20	27320926	27321923	Gmdrm	hypo	CHH	-0.0211
Gm20	27327196	27328050	Gmdrm	hypo	CHH	-0.0838
Gm20	27328344	27329343	Gmdrm	hypo	CHH	-0.0165
Gm20	27332737	27333707	Gmdrm	hypo	CHH	-0.0613
Gm20	27333739	27334735	Gmdrm	hypo	CHH	-0.2112
Gm20	27343609	27344603	Gmdrm	hypo	CHH	-0.0468
Gm20	27344610	27345581	Gmdrm	hypo	CHH	-0.0805
Gm20	27356009	27356968	Gmdrm	hypo	CHH	-0.049
Gm20	27378686	27379662	Gmdrm	hypo	CHH	-0.0376
Gm20	27388898	27389418	Gmdrm	hypo	CHH	-0.0635
Gm20	27389544	27390530	Gmdrm	hypo	CHH	-0.0393
Gm20	27390563	27390750	Gmdrm	hypo	CHH	-0.0889
Gm20	27411602	27412044	Gmdrm	hypo	CHH	-0.4559
Gm20	27417814	27418807	Gmdrm	hypo	CHH	-0.0402
Gm20	27420377	27421108	Gmdrm	hypo	CHH	-0.0505
Gm20	27547790	27548772	Gmdrm	hypo	CHH	-0.0303
Gm20	27548808	27549802	Gmdrm	hypo	CHH	-0.0294
Gm20	27549810	27550810	Gmdrm	hypo	CHH	-0.0734
Gm20	27556346	27557318	Gmdrm	hypo	CHH	-0.0569

Gm20	27557370	27558370	Gmdrm	hypo	CHH	-0.0351
Gm20	27569521	27569605	Gmdrm	hypo	CHH	-0.1218
Gm20	27599028	27600026	Gmdrm	hypo	CHH	-0.2715
Gm20	27601051	27602043	Gmdrm	hypo	CHH	-0.0623
Gm20	27605085	27606085	Gmdrm	hypo	CHH	-0.0295
Gm20	27617535	27618498	Gmdrm	hypo	CHH	-0.0682
Gm20	27618552	27619129	Gmdrm	hypo	CHH	-0.02
Gm20	27627601	27628601	Gmdrm	hypo	CHH	-0.0726
Gm20	27628606	27629564	Gmdrm	hypo	CHH	-0.032
Gm20	27632348	27633341	Gmdrm	hypo	CHH	-0.1056
Gm20	27633351	27634331	Gmdrm	hypo	CHH	-0.1036
Gm20	27635386	27636375	Gmdrm	hypo	CHH	-0.0644
Gm20	27636394	27637394	Gmdrm	hypo	CHH	-0.0685
Gm20	27638321	27639320	Gmdrm	hypo	CHH	-0.0639
Gm20	27639327	27640320	Gmdrm	hypo	CHH	-0.0758
Gm20	27642330	27643294	Gmdrm	hypo	CHH	-0.0636
Gm20	27644347	27645336	Gmdrm	hypo	CHH	-0.1179
Gm20	27645387	27646382	Gmdrm	hypo	CHH	-0.0268
Gm20	27675766	27676760	Gmdrm	hypo	CHH	-0.0253
Gm20	27676801	27677798	Gmdrm	hypo	CHH	-0.0201
Gm20	27680836	27681829	Gmdrm	hypo	CHH	-0.086
Gm20	27692872	27693837	Gmdrm	hypo	CHH	-0.0192
Gm20	27726158	27727133	Gmdrm	hypo	CHH	-0.0276
Gm20	27765961	27766958	Gmdrm	hypo	CHH	-0.0176
Gm20	27783078	27784069	Gmdrm	hypo	CHH	-0.0407
Gm20	27793248	27794246	Gmdrm	hypo	CHH	-0.057
Gm20	27794253	27795253	Gmdrm	hypo	CHH	-0.0608
Gm20	27826866	27827837	Gmdrm	hypo	CHH	-0.114
Gm20	27889088	27890084	Gmdrm	hypo	CHH	-0.019
Gm20	27891120	27892118	Gmdrm	hypo	CHH	-0.0468
Gm20	27925408	27926392	Gmdrm	hypo	CHH	-0.0128
Gm20	27930444	27931444	Gmdrm	hypo	CHH	-0.013
Gm20	27936518	27937517	Gmdrm	hypo	CHH	-0.0235
Gm20	27937521	27938518	Gmdrm	hypo	CHH	-0.033
Gm20	27943132	27944097	Gmdrm	hypo	CHH	-0.1928
Gm20	27956459	27957427	Gmdrm	hypo	CHH	-0.1417
Gm20	27957650	27958639	Gmdrm	hypo	CHH	-0.0277
Gm20	27959002	27959999	Gmdrm	hypo	CHH	-0.038
Gm20	27981213	27982212	Gmdrm	hypo	CHH	-0.0405
Gm20	27982214	27983190	Gmdrm	hypo	CHH	-0.0496
Gm20	27983237	27984236	Gmdrm	hypo	CHH	-0.0264
Gm20	28010529	28010571	Gmdrm	hypo	CHH	-0.16
Gm20	28044270	28044616	Gmdrm	hypo	CHH	-0.0612
Gm20	28065224	28066220	Gmdrm	hypo	CHH	-0.0163
Gm20	28066234	28066581	Gmdrm	hypo	CHH	-0.0247
Gm20	28136238	28136281	Gmdrm	hypo	CHH	-0.161

Gm20	28286012	28287007	Gmdrm	hypo	CHH	-0.0247
Gm20	28306868	28307858	Gmdrm	hypo	CHH	-0.0515
Gm20	28397713	28398690	Gmdrm	hypo	CHH	-0.0369
Gm20	28400744	28401733	Gmdrm	hypo	CHH	-0.0266
Gm20	28431696	28432696	Gmdrm	hypo	CHH	-0.0199
Gm20	28432702	28433535	Gmdrm	hypo	CHH	-0.0162
Gm20	28433643	28434603	Gmdrm	hypo	CHH	-0.0234
Gm20	28435669	28436666	Gmdrm	hypo	CHH	-0.0281
Gm20	28602364	28602379	Gmdrm	hypo	CHH	-0.375
Gm20	28817939	28818926	Gmdrm	hypo	CHH	-0.033
Gm20	28818948	28819607	Gmdrm	hypo	CHH	-0.0237
Gm20	28819936	28820932	Gmdrm	hypo	CHH	-0.0187
Gm20	28826963	28827953	Gmdrm	hypo	CHH	-0.0276
Gm20	28828965	28829960	Gmdrm	hypo	CHH	-0.023
Gm20	28884814	28885811	Gmdrm	hypo	CHH	-0.1231
Gm20	28890804	28891796	Gmdrm	hypo	CHH	-0.0441
Gm20	28894228	28895222	Gmdrm	hypo	CHH	-0.0221
Gm20	28895246	28896189	Gmdrm	hypo	CHH	-0.0144
Gm20	28896672	28897669	Gmdrm	hypo	CHH	-0.0898
Gm20	28897673	28898672	Gmdrm	hypo	CHH	-0.0549
Gm20	28955516	28956512	Gmdrm	hypo	CHH	-0.0671
Gm20	28956519	28956808	Gmdrm	hypo	CHH	-0.0231
Gm20	28957027	28958020	Gmdrm	hypo	CHH	-0.0129
Gm20	28968266	28968496	Gmdrm	hypo	CHH	-0.039
Gm20	28988754	28989267	Gmdrm	hypo	CHH	-0.0181
Gm20	28991886	28992003	Gmdrm	hypo	CHH	-0.0374
Gm20	29066149	29067135	Gmdrm	hypo	CHH	-0.0811
Gm20	29129293	29130279	Gmdrm	hypo	CHH	-0.0644
Gm20	29133164	29133912	Gmdrm	hypo	CHH	-0.2933
Gm20	29134570	29135257	Gmdrm	hypo	CHH	-0.0547
Gm20	29312562	29313300	Gmdrm	hypo	CHH	-0.0695
Gm20	29317895	29318885	Gmdrm	hypo	CHH	-0.0278
Gm20	29323286	29324267	Gmdrm	hypo	CHH	-0.0336
Gm20	29348490	29349478	Gmdrm	hypo	CHH	-0.149
Gm20	29359724	29360724	Gmdrm	hypo	CHH	-0.0388
Gm20	29360726	29361716	Gmdrm	hypo	CHH	-0.055
Gm20	29408519	29408991	Gmdrm	hypo	CHH	-0.0853
Gm20	29508966	29509960	Gmdrm	hypo	CHH	-0.0248
Gm20	29526302	29527302	Gmdrm	hypo	CHH	-0.0379
Gm20	29537130	29538123	Gmdrm	hypo	CHH	-0.0594
Gm20	29569035	29570024	Gmdrm	hypo	CHH	-0.0295
Gm20	29575114	29576111	Gmdrm	hypo	CHH	-0.0308
Gm20	29577138	29578097	Gmdrm	hypo	CHH	-0.0262
Gm20	29601692	29601823	Gmdrm	hypo	CHH	-0.0706
Gm20	29601964	29602956	Gmdrm	hypo	CHH	-0.0505
Gm20	29609608	29610593	Gmdrm	hypo	CHH	-0.048

Gm20	29694637	29694770 Gmdrm	hypo	CHH	-0.1079
Gm20	29699725	29700716 Gmdrm	hypo	CHH	-0.0371
Gm20	29744300	29744729 Gmdrm	hypo	CHH	-0.0239
Gm20	29745925	29746883 Gmdrm	hypo	CHH	-0.0425
Gm20	29795588	29796567 Gmdrm	hypo	CHH	-0.0313
Gm20	29805304	29805930 Gmdrm	hypo	CHH	-0.027
Gm20	29818877	29819876 Gmdrm	hypo	CHH	-0.0788
Gm20	29828793	29829775 Gmdrm	hypo	CHH	-0.0383
Gm20	29829817	29830817 Gmdrm	hypo	CHH	-0.0518
Gm20	29866421	29867412 Gmdrm	hypo	CHH	-0.0827
Gm20	29868437	29869437 Gmdrm	hypo	CHH	-0.0852
Gm20	29869439	29870439 Gmdrm	hypo	CHH	-0.0643
Gm20	29872626	29873621 Gmdrm	hypo	CHH	-0.0485
Gm20	29873652	29874652 Gmdrm	hypo	CHH	-0.0379
Gm20	29877054	29878048 Gmdrm	hypo	CHH	-0.0324
Gm20	29879512	29880511 Gmdrm	hypo	CHH	-0.0523
Gm20	29880514	29881511 Gmdrm	hypo	CHH	-0.0441
Gm20	29953085	29953102 Gmdrm	hypo	CHH	-0.254
Gm20	29991002	29992000 Gmdrm	hypo	CHH	-0.0502
Gm20	29994315	29995286 Gmdrm	hypo	CHH	-0.018
Gm20	29996191	29997190 Gmdrm	hypo	CHH	-0.0276
Gm20	30082135	30083103 Gmdrm	hypo	CHH	-0.0656
Gm20	30084576	30085575 Gmdrm	hypo	CHH	-0.0385
Gm20	30085577	30086572 Gmdrm	hypo	CHH	-0.0909
Gm20	30087923	30088922 Gmdrm	hypo	CHH	-0.035
Gm20	30158381	30159368 Gmdrm	hypo	CHH	-0.0288
Gm20	30162287	30162585 Gmdrm	hypo	CHH	-0.0444
Gm20	30173575	30174555 Gmdrm	hypo	CHH	-0.0222
Gm20	30343572	30344564 Gmdrm	hypo	CHH	-0.0484
Gm20	30367328	30368201 Gmdrm	hypo	CHH	-0.0302
Gm20	30373097	30374081 Gmdrm	hypo	CHH	-0.1168
Gm20	30381431	30382420 Gmdrm	hypo	CHH	-0.06
Gm20	30385979	30386967 Gmdrm	hypo	CHH	-0.0213
Gm20	30393172	30394171 Gmdrm	hypo	CHH	-0.0702
Gm20	30489088	30490038 Gmdrm	hypo	CHH	-0.068
Gm20	30494933	30495918 Gmdrm	hypo	CHH	-0.0367
Gm20	30593373	30594373 Gmdrm	hypo	CHH	-0.0338
Gm20	30656724	30657696 Gmdrm	hypo	CHH	-0.1183
Gm20	30664488	30664952 Gmdrm	hypo	CHH	-0.0646
Gm20	30703525	30703895 Gmdrm	hypo	CHH	-0.2214
Gm20	30709471	30709562 Gmdrm	hypo	CHH	-0.064
Gm20	30710777	30710944 Gmdrm	hypo	CHH	-0.0457
Gm20	30718588	30719578 Gmdrm	hypo	CHH	-0.027
Gm20	30719597	30720556 Gmdrm	hypo	CHH	-0.0296
Gm20	30728726	30729726 Gmdrm	hypo	CHH	-0.0406
Gm20	30729730	30730723 Gmdrm	hypo	CHH	-0.0321

Gm20	30741791	30742565	Gmdrm	hypo	CHH	-0.0642
Gm20	30751654	30752644	Gmdrm	hypo	CHH	-0.0443
Gm20	30754747	30755731	Gmdrm	hypo	CHH	-0.0518
Gm20	30763835	30764833	Gmdrm	hypo	CHH	-0.0792
Gm20	30764839	30765204	Gmdrm	hypo	CHH	-0.0881
Gm20	30770150	30771138	Gmdrm	hypo	CHH	-0.0323
Gm20	30796678	30797670	Gmdrm	hypo	CHH	-0.0365
Gm20	30800004	30800989	Gmdrm	hypo	CHH	-0.0295
Gm20	30801059	30802043	Gmdrm	hypo	CHH	-0.098
Gm20	30808379	30808399	Gmdrm	hypo	CHH	-0.4217
Gm20	30813809	30814799	Gmdrm	hypo	CHH	-0.0139
Gm20	30819586	30820555	Gmdrm	hypo	CHH	-0.0475
Gm20	30844218	30845218	Gmdrm	hypo	CHH	-0.0253
Gm20	30846229	30847227	Gmdrm	hypo	CHH	-0.0409
Gm20	30848242	30849226	Gmdrm	hypo	CHH	-0.0223
Gm20	30853642	30854623	Gmdrm	hypo	CHH	-0.0211
Gm20	30855672	30856669	Gmdrm	hypo	CHH	-0.0367
Gm20	30859398	30860387	Gmdrm	hypo	CHH	-0.0296
Gm20	30989236	30990230	Gmdrm	hypo	CHH	-0.1239
Gm20	31078924	31079912	Gmdrm	hypo	CHH	-0.0644
Gm20	31079932	31080599	Gmdrm	hypo	CHH	-0.0206
Gm20	31082768	31083767	Gmdrm	hypo	CHH	-0.2456
Gm20	31083776	31084776	Gmdrm	hypo	CHH	-0.0945
Gm20	31084787	31085787	Gmdrm	hypo	CHH	-0.0609
Gm20	31085791	31086790	Gmdrm	hypo	CHH	-0.0374
Gm20	31094453	31094714	Gmdrm	hypo	CHH	-0.0692
Gm20	31094847	31095822	Gmdrm	hypo	CHH	-0.0559
Gm20	31097917	31098916	Gmdrm	hypo	CHH	-0.037
Gm20	31105381	31106379	Gmdrm	hypo	CHH	-0.0332
Gm20	31107393	31108386	Gmdrm	hypo	CHH	-0.1341
Gm20	31108667	31109630	Gmdrm	hypo	CHH	-0.4002
Gm20	31111718	31112718	Gmdrm	hypo	CHH	-0.0878
Gm20	31148129	31149113	Gmdrm	hypo	CHH	-0.0403
Gm20	31152154	31153136	Gmdrm	hypo	CHH	-0.0587
Gm20	31158243	31159240	Gmdrm	hypo	CHH	-0.0702
Gm20	31167780	31168772	Gmdrm	hypo	CHH	-0.0321
Gm20	31183120	31184111	Gmdrm	hypo	CHH	-0.0245
Gm20	31184142	31185138	Gmdrm	hypo	CHH	-0.0225
Gm20	31232806	31233699	Gmdrm	hypo	CHH	-0.0197
Gm20	31233820	31234715	Gmdrm	hypo	CHH	-0.0186
Gm20	31234845	31235699	Gmdrm	hypo	CHH	-0.0418
Gm20	31236029	31236995	Gmdrm	hypo	CHH	-0.031
Gm20	31276088	31277082	Gmdrm	hypo	CHH	-0.0828
Gm20	31278721	31279718	Gmdrm	hypo	CHH	-0.0307
Gm20	31279725	31280155	Gmdrm	hypo	CHH	-0.055
Gm20	31292505	31293329	Gmdrm	hypo	CHH	-0.041

Gm20	31331302	31332299	Gmdrm	hypo	CHH	-0.0268
Gm20	31365280	31366279	Gmdrm	hypo	CHH	-0.0648
Gm20	31394434	31395433	Gmdrm	hypo	CHH	-0.0454
Gm20	31395446	31396424	Gmdrm	hypo	CHH	-0.0553
Gm20	31396451	31397403	Gmdrm	hypo	CHH	-0.0448
Gm20	31397466	31398459	Gmdrm	hypo	CHH	-0.0757
Gm20	31398468	31399466	Gmdrm	hypo	CHH	-0.2486
Gm20	31399473	31400119	Gmdrm	hypo	CHH	-0.1742
Gm20	31405123	31406091	Gmdrm	hypo	CHH	-0.0251
Gm20	31409341	31410337	Gmdrm	hypo	CHH	-0.099
Gm20	31420815	31421799	Gmdrm	hypo	CHH	-0.0126
Gm20	31425179	31426176	Gmdrm	hypo	CHH	-0.1936
Gm20	31426199	31427190	Gmdrm	hypo	CHH	-0.0166
Gm20	31431221	31432208	Gmdrm	hypo	CHH	-0.0399
Gm20	31433361	31434354	Gmdrm	hypo	CHH	-0.0455
Gm20	31444419	31445406	Gmdrm	hypo	CHH	-0.0717
Gm20	31457584	31457754	Gmdrm	hypo	CHH	-0.1118
Gm20	31485397	31486131	Gmdrm	hypo	CHH	-0.0892
Gm20	31488742	31489632	Gmdrm	hypo	CHH	-0.0268
Gm20	31493224	31494222	Gmdrm	hypo	CHH	-0.0551
Gm20	31494225	31495224	Gmdrm	hypo	CHH	-0.0486
Gm20	31544180	31545177	Gmdrm	hypo	CHH	-0.0123
Gm20	31545186	31546186	Gmdrm	hypo	CHH	-0.0231
Gm20	31584071	31585046	Gmdrm	hypo	CHH	-0.1472
Gm20	31587819	31588808	Gmdrm	hypo	CHH	-0.1139
Gm20	31589558	31590558	Gmdrm	hypo	CHH	-0.0437
Gm20	31599771	31599847	Gmdrm	hypo	CHH	-0.068
Gm20	31611320	31612316	Gmdrm	hypo	CHH	-0.062
Gm20	31613990	31614990	Gmdrm	hypo	CHH	-0.0438
Gm20	31615000	31615939	Gmdrm	hypo	CHH	-0.1238
Gm20	31622973	31623959	Gmdrm	hypo	CHH	-0.0326
Gm20	31647463	31648429	Gmdrm	hypo	CHH	-0.0261
Gm20	31648486	31649473	Gmdrm	hypo	CHH	-0.0137
Gm20	31652501	31653499	Gmdrm	hypo	CHH	-0.0427
Gm20	31653503	31654502	Gmdrm	hypo	CHH	-0.1655
Gm20	31654507	31655084	Gmdrm	hypo	CHH	-0.0127
Gm20	31671287	31672009	Gmdrm	hypo	CHH	-0.0543
Gm20	31672160	31672444	Gmdrm	hypo	CHH	-0.1131
Gm20	31673600	31674589	Gmdrm	hypo	CHH	-0.0284
Gm20	31676706	31677674	Gmdrm	hypo	CHH	-0.015
Gm20	31691670	31692667	Gmdrm	hypo	CHH	-0.034
Gm20	31692677	31693662	Gmdrm	hypo	CHH	-0.0391
Gm20	31701781	31702737	Gmdrm	hypo	CHH	-0.0131
Gm20	31702783	31703270	Gmdrm	hypo	CHH	-0.0239
Gm20	31721175	31722167	Gmdrm	hypo	CHH	-0.0455
Gm20	31722189	31723188	Gmdrm	hypo	CHH	-0.1185

Gm20	31726238	31726995	Gmdrm	hypo	CHH	-0.0329
Gm20	31728180	31729178	Gmdrm	hypo	CHH	-0.1326
Gm20	31730607	31731597	Gmdrm	hypo	CHH	-0.0131
Gm20	31745112	31746091	Gmdrm	hypo	CHH	-0.0459
Gm20	31747647	31748642	Gmdrm	hypo	CHH	-0.1115
Gm20	31750223	31751110	Gmdrm	hypo	CHH	-0.0512
Gm20	31767797	31768769	Gmdrm	hypo	CHH	-0.0288
Gm20	31769812	31770808	Gmdrm	hypo	CHH	-0.0224
Gm20	31771550	31772546	Gmdrm	hypo	CHH	-0.0153
Gm20	31772614	31773586	Gmdrm	hypo	CHH	-0.0143
Gm20	31775642	31776638	Gmdrm	hypo	CHH	-0.0889
Gm20	31785517	31786514	Gmdrm	hypo	CHH	-0.0188
Gm20	31786519	31787508	Gmdrm	hypo	CHH	-0.0513
Gm20	31798753	31799167	Gmdrm	hypo	CHH	-0.0272
Gm20	31805614	31806612	Gmdrm	hypo	CHH	-0.0512
Gm20	31931510	31932509	Gmdrm	hypo	CHH	-0.0377
Gm20	31932511	31933510	Gmdrm	hypo	CHH	-0.0932
Gm20	31950732	31951720	Gmdrm	hypo	CHH	-0.2153
Gm20	31952050	31953041	Gmdrm	hypo	CHH	-0.0905
Gm20	31953054	31954050	Gmdrm	hypo	CHH	-0.045
Gm20	31954056	31955031	Gmdrm	hypo	CHH	-0.0164
Gm20	31956076	31957071	Gmdrm	hypo	CHH	-0.0437
Gm20	31966842	31967720	Gmdrm	hypo	CHH	-0.0215
Gm20	31998807	31999797	Gmdrm	hypo	CHH	-0.0334
Gm20	32035707	32035965	Gmdrm	hypo	CHH	-0.0574
Gm20	32039809	32040798	Gmdrm	hypo	CHH	-0.0405
Gm20	32057009	32057999	Gmdrm	hypo	CHH	-0.0386
Gm20	32069108	32070107	Gmdrm	hypo	CHH	-0.0436
Gm20	32076948	32077915	Gmdrm	hypo	CHH	-0.1664
Gm20	32125079	32126077	Gmdrm	hypo	CHH	-0.0519
Gm20	32126082	32127080	Gmdrm	hypo	CHH	-0.0408
Gm20	32127086	32128085	Gmdrm	hypo	CHH	-0.0174
Gm20	32135500	32135646	Gmdrm	hypo	CHH	-0.0567
Gm20	32135750	32136249	Gmdrm	hypo	CHH	-0.0926
Gm20	32136498	32137459	Gmdrm	hypo	CHH	-0.0581
Gm20	32224679	32225640	Gmdrm	hypo	CHH	-0.043
Gm20	32276814	32277814	Gmdrm	hypo	CHH	-0.0381
Gm20	32415711	32416711	Gmdrm	hypo	CHH	-0.0663
Gm20	32419744	32420739	Gmdrm	hypo	CHH	-0.039
Gm20	32421751	32422720	Gmdrm	hypo	CHH	-0.0298
Gm20	32422754	32423725	Gmdrm	hypo	CHH	-0.0154
Gm20	32423764	32424762	Gmdrm	hypo	CHH	-0.02
Gm20	32446659	32447657	Gmdrm	hypo	CHH	-0.0416
Gm20	32479780	32480768	Gmdrm	hypo	CHH	-0.0472
Gm20	32488039	32489039	Gmdrm	hypo	CHH	-0.068
Gm20	32489045	32489625	Gmdrm	hypo	CHH	-0.0364

Gm20	32492771	32493768	Gmdrm	hypo	CHH	-0.0476
Gm20	32493773	32494681	Gmdrm	hypo	CHH	-0.0566
Gm20	32538566	32539530	Gmdrm	hypo	CHH	-0.0316
Gm20	32554555	32555552	Gmdrm	hypo	CHH	-0.0503
Gm20	32593300	32594300	Gmdrm	hypo	CHH	-0.0125
Gm20	32594306	32595266	Gmdrm	hypo	CHH	-0.0227
Gm20	32609954	32610953	Gmdrm	hypo	CHH	-0.0443
Gm20	32610956	32611925	Gmdrm	hypo	CHH	-0.0258
Gm20	32630304	32631238	Gmdrm	hypo	CHH	-0.0453
Gm20	32634151	32635150	Gmdrm	hypo	CHH	-0.063
Gm20	32635154	32636150	Gmdrm	hypo	CHH	-0.1468
Gm20	32700873	32701871	Gmdrm	hypo	CHH	-0.093
Gm20	32715333	32716328	Gmdrm	hypo	CHH	-0.1002
Gm20	32716334	32716974	Gmdrm	hypo	CHH	-0.073
Gm20	32718800	32719375	Gmdrm	hypo	CHH	-0.1955
Gm20	32719586	32720584	Gmdrm	hypo	CHH	-0.0263
Gm20	32723152	32724152	Gmdrm	hypo	CHH	-0.1664
Gm20	32724156	32725154	Gmdrm	hypo	CHH	-0.1413
Gm20	32725157	32726067	Gmdrm	hypo	CHH	-0.0438
Gm20	32726164	32727160	Gmdrm	hypo	CHH	-0.03
Gm20	32730531	32731526	Gmdrm	hypo	CHH	-0.0236
Gm20	32733814	32734793	Gmdrm	hypo	CHH	-0.0187
Gm20	32736569	32737166	Gmdrm	hypo	CHH	-0.0206
Gm20	32744625	32745028	Gmdrm	hypo	CHH	-0.2353
Gm20	32801622	32802622	Gmdrm	hypo	CHH	-0.0594
Gm20	32805420	32806402	Gmdrm	hypo	CHH	-0.054
Gm20	32876534	32877527	Gmdrm	hypo	CHH	-0.0378
Gm20	32879558	32880557	Gmdrm	hypo	CHH	-0.0197
Gm20	32883591	32884585	Gmdrm	hypo	CHH	-0.0229
Gm20	32887529	32888216	Gmdrm	hypo	CHH	-0.0278
Gm20	32896548	32897517	Gmdrm	hypo	CHH	-0.0157
Gm20	32897553	32898543	Gmdrm	hypo	CHH	-0.0971
Gm20	32898559	32899556	Gmdrm	hypo	CHH	-0.0543
Gm20	32912781	32913532	Gmdrm	hypo	CHH	-0.0269
Gm20	32915686	32916683	Gmdrm	hypo	CHH	-0.0254
Gm20	32920446	32921030	Gmdrm	hypo	CHH	-0.0641
Gm20	32936026	32937022	Gmdrm	hypo	CHH	-0.0256
Gm20	32937046	32938040	Gmdrm	hypo	CHH	-0.1455
Gm20	32938056	32938437	Gmdrm	hypo	CHH	-0.125
Gm20	32947579	32947816	Gmdrm	hypo	CHH	-0.128
Gm20	32948004	32948991	Gmdrm	hypo	CHH	-0.0341
Gm20	32949017	32950015	Gmdrm	hypo	CHH	-0.0522
Gm20	32984424	32985420	Gmdrm	hypo	CHH	-0.0586
Gm20	33001876	33002872	Gmdrm	hypo	CHH	-0.0421
Gm20	33010267	33010754	Gmdrm	hypo	CHH	-0.0162
Gm20	33019569	33020562	Gmdrm	hypo	CHH	-0.0272

Gm20	33036645	33037627	Gmdrm	hypo	CHH	-0.0186
Gm20	33037650	33038649	Gmdrm	hypo	CHH	-0.0276
Gm20	33060082	33061081	Gmdrm	hypo	CHH	-0.0998
Gm20	33063328	33064328	Gmdrm	hypo	CHH	-0.0153
Gm20	33077935	33078881	Gmdrm	hypo	CHH	-0.0239
Gm20	33079157	33080146	Gmdrm	hypo	CHH	-0.0468
Gm20	33096400	33097398	Gmdrm	hypo	CHH	-0.0861
Gm20	33104774	33105679	Gmdrm	hypo	CHH	-0.0741
Gm20	33138835	33139827	Gmdrm	hypo	CHH	-0.2299
Gm20	33139840	33140822	Gmdrm	hypo	CHH	-0.22
Gm20	33144192	33145190	Gmdrm	hypo	CHH	-0.0462
Gm20	33145193	33146187	Gmdrm	hypo	CHH	-0.0387
Gm20	33169203	33170202	Gmdrm	hypo	CHH	-0.0725
Gm20	33170205	33171200	Gmdrm	hypo	CHH	-0.0208
Gm20	33172573	33173537	Gmdrm	hypo	CHH	-0.0185
Gm20	33211423	33212420	Gmdrm	hypo	CHH	-0.0295
Gm20	33212703	33213694	Gmdrm	hypo	CHH	-0.0201
Gm20	33217920	33218908	Gmdrm	hypo	CHH	-0.0282
Gm20	33224939	33225920	Gmdrm	hypo	CHH	-0.067
Gm20	33226179	33226786	Gmdrm	hypo	CHH	-0.0244
Gm20	33226924	33227903	Gmdrm	hypo	CHH	-0.0429
Gm20	33235779	33236769	Gmdrm	hypo	CHH	-0.0459
Gm20	33236790	33237779	Gmdrm	hypo	CHH	-0.0748
Gm20	33239928	33240928	Gmdrm	hypo	CHH	-0.1573
Gm20	33240930	33241649	Gmdrm	hypo	CHH	-0.0913
Gm20	33249060	33250056	Gmdrm	hypo	CHH	-0.0264
Gm20	33267467	33267633	Gmdrm	hypo	CHH	-0.079
Gm20	33276130	33277120	Gmdrm	hypo	CHH	-0.032
Gm20	33278144	33279128	Gmdrm	hypo	CHH	-0.1045
Gm20	33279161	33280112	Gmdrm	hypo	CHH	-0.0145
Gm20	33280857	33281857	Gmdrm	hypo	CHH	-0.042
Gm20	33314769	33315755	Gmdrm	hypo	CHH	-0.018
Gm20	33316104	33317095	Gmdrm	hypo	CHH	-0.0344
Gm20	33325177	33326169	Gmdrm	hypo	CHH	-0.0309
Gm20	33367794	33368780	Gmdrm	hypo	CHH	-0.0174
Gm20	33384461	33385102	Gmdrm	hypo	CHH	-0.0418
Gm20	33386905	33387870	Gmdrm	hypo	CHH	-0.084
Gm20	33387934	33388933	Gmdrm	hypo	CHH	-0.0532
Gm20	33408567	33408677	Gmdrm	hypo	CHH	-0.056
Gm20	33418968	33419964	Gmdrm	hypo	CHH	-0.0799
Gm20	33420336	33421333	Gmdrm	hypo	CHH	-0.0784
Gm20	33425447	33426435	Gmdrm	hypo	CHH	-0.0647
Gm20	33426464	33427414	Gmdrm	hypo	CHH	-0.1135
Gm20	33427494	33427604	Gmdrm	hypo	CHH	-0.0547
Gm20	33435993	33436964	Gmdrm	hypo	CHH	-0.1304
Gm20	33437007	33437986	Gmdrm	hypo	CHH	-0.0719

Gm20	33438019	33439013	Gmdrm	hypo	CHH	-0.0553
Gm20	33439053	33440030	Gmdrm	hypo	CHH	-0.0312
Gm20	33471357	33472353	Gmdrm	hypo	CHH	-0.0141
Gm20	33497884	33498868	Gmdrm	hypo	CHH	-0.0194
Gm20	33498888	33499883	Gmdrm	hypo	CHH	-0.126
Gm20	33500893	33501885	Gmdrm	hypo	CHH	-0.0667
Gm20	33515972	33516972	Gmdrm	hypo	CHH	-0.0165
Gm20	33518042	33518767	Gmdrm	hypo	CHH	-0.0419
Gm20	33527483	33528134	Gmdrm	hypo	CHH	-0.0605
Gm20	33531056	33531514	Gmdrm	hypo	CHH	-0.3637
Gm20	33531627	33532397	Gmdrm	hypo	CHH	-0.2053
Gm20	33534771	33535765	Gmdrm	hypo	CHH	-0.0562
Gm20	33535782	33536775	Gmdrm	hypo	CHH	-0.0704
Gm20	33542593	33543588	Gmdrm	hypo	CHH	-0.0635
Gm20	33543594	33544586	Gmdrm	hypo	CHH	-0.0619
Gm20	33551692	33552219	Gmdrm	hypo	CHH	-0.0225
Gm20	33567214	33568191	Gmdrm	hypo	CHH	-0.0415
Gm20	33572851	33573850	Gmdrm	hypo	CHH	-0.1118
Gm20	33576328	33577319	Gmdrm	hypo	CHH	-0.0249
Gm20	33587609	33588606	Gmdrm	hypo	CHH	-0.0195
Gm20	33588611	33589600	Gmdrm	hypo	CHH	-0.0143
Gm20	33592642	33593623	Gmdrm	hypo	CHH	-0.0148
Gm20	33593643	33594631	Gmdrm	hypo	CHH	-0.0178
Gm20	33594651	33595474	Gmdrm	hypo	CHH	-0.0162
Gm20	33600998	33601989	Gmdrm	hypo	CHH	-0.0398
Gm20	33602259	33603252	Gmdrm	hypo	CHH	-0.0278
Gm20	33621166	33622166	Gmdrm	hypo	CHH	-0.0729
Gm20	33638952	33639897	Gmdrm	hypo	CHH	-0.013
Gm20	33641561	33642547	Gmdrm	hypo	CHH	-0.0227
Gm20	33642562	33643562	Gmdrm	hypo	CHH	-0.0499
Gm20	33648037	33648628	Gmdrm	hypo	CHH	-0.0307
Gm20	33654849	33655845	Gmdrm	hypo	CHH	-0.0366
Gm20	33655851	33656851	Gmdrm	hypo	CHH	-0.0404
Gm20	33656860	33657851	Gmdrm	hypo	CHH	-0.0433
Gm20	33662680	33663673	Gmdrm	hypo	CHH	-0.0202
Gm20	33665746	33666745	Gmdrm	hypo	CHH	-0.0332
Gm20	33666748	33667742	Gmdrm	hypo	CHH	-0.0696
Gm20	33667792	33668772	Gmdrm	hypo	CHH	-0.008
Gm20	33683800	33684211	Gmdrm	hypo	CHH	-0.0261
Gm20	33685347	33686335	Gmdrm	hypo	CHH	-0.0159
Gm20	33686364	33687349	Gmdrm	hypo	CHH	-0.0142
Gm20	33688616	33689608	Gmdrm	hypo	CHH	-0.02
Gm20	33696088	33697068	Gmdrm	hypo	CHH	-0.0138
Gm20	33705630	33706623	Gmdrm	hypo	CHH	-0.0528
Gm20	33706640	33707055	Gmdrm	hypo	CHH	-0.0655
Gm20	33711521	33711778	Gmdrm	hypo	CHH	-0.0448

Gm20	33724865	33725700	Gmdrm	hypo	CHH	-0.1468
Gm20	33743880	33744849	Gmdrm	hypo	CHH	-0.0638
Gm20	33753324	33754156	Gmdrm	hypo	CHH	-0.0214
Gm20	33784798	33785759	Gmdrm	hypo	CHH	-0.0718
Gm20	33802797	33803795	Gmdrm	hypo	CHH	-0.0339
Gm20	33807915	33808902	Gmdrm	hypo	CHH	-0.1405
Gm20	33813027	33814025	Gmdrm	hypo	CHH	-0.0252
Gm20	33819093	33820054	Gmdrm	hypo	CHH	-0.2226
Gm20	33837780	33838766	Gmdrm	hypo	CHH	-0.0616
Gm20	33846856	33847836	Gmdrm	hypo	CHH	-0.2092
Gm20	33853511	33854491	Gmdrm	hypo	CHH	-0.017
Gm20	33870172	33871158	Gmdrm	hypo	CHH	-0.0298
Gm20	33871174	33872174	Gmdrm	hypo	CHH	-0.1776
Gm20	33876190	33877190	Gmdrm	hypo	CHH	-0.1015
Gm20	33890303	33891296	Gmdrm	hypo	CHH	-0.2468
Gm20	33896655	33897650	Gmdrm	hypo	CHH	-0.0486
Gm20	33908772	33909762	Gmdrm	hypo	CHH	-0.0152
Gm20	33909811	33910803	Gmdrm	hypo	CHH	-0.1007
Gm20	33910814	33911791	Gmdrm	hypo	CHH	-0.0836
Gm20	33915574	33916366	Gmdrm	hypo	CHH	-0.0213
Gm20	33919013	33920010	Gmdrm	hypo	CHH	-0.0439
Gm20	33930925	33931925	Gmdrm	hypo	CHH	-0.0276
Gm20	33954422	33955419	Gmdrm	hypo	CHH	-0.0311
Gm20	33956430	33957429	Gmdrm	hypo	CHH	-0.0323
Gm20	33957441	33958421	Gmdrm	hypo	CHH	-0.0454
Gm20	33959463	33960436	Gmdrm	hypo	CHH	-0.2896
Gm20	33969649	33970426	Gmdrm	hypo	CHH	-0.0342
Gm20	33970730	33971075	Gmdrm	hypo	CHH	-0.1096
Gm20	33971447	33972379	Gmdrm	hypo	CHH	-0.1059
Gm20	33985730	33986072	Gmdrm	hypo	CHH	-0.04
Gm20	34005847	34006823	Gmdrm	hypo	CHH	-0.0179
Gm20	34028295	34029283	Gmdrm	hypo	CHH	-0.0188
Gm20	34031328	34032314	Gmdrm	hypo	CHH	-0.0221
Gm20	34032335	34033329	Gmdrm	hypo	CHH	-0.0309
Gm20	34047859	34048176	Gmdrm	hypo	CHH	-0.0405
Gm20	34050853	34050907	Gmdrm	hypo	CHH	-0.054
Gm20	34054456	34055396	Gmdrm	hypo	CHH	-0.0202
Gm20	34057369	34058316	Gmdrm	hypo	CHH	-0.0137
Gm20	34060517	34061512	Gmdrm	hypo	CHH	-0.0477
Gm20	34077798	34078788	Gmdrm	hypo	CHH	-0.0318
Gm20	34080792	34081792	Gmdrm	hypo	CHH	-0.03
Gm20	34100753	34101739	Gmdrm	hypo	CHH	-0.0827
Gm20	34101769	34102214	Gmdrm	hypo	CHH	-0.0504
Gm20	34109461	34110388	Gmdrm	hypo	CHH	-0.1662
Gm20	34110622	34111605	Gmdrm	hypo	CHH	-0.067
Gm20	34111626	34112613	Gmdrm	hypo	CHH	-0.0951

Gm20	34116952	34117935	Gmdrm	hypo	CHH	-0.0659
Gm20	34117959	34118928	Gmdrm	hypo	CHH	-0.1356
Gm20	34140228	34141226	Gmdrm	hypo	CHH	-0.1185
Gm20	34146542	34147541	Gmdrm	hypo	CHH	-0.0588
Gm20	34147552	34148517	Gmdrm	hypo	CHH	-0.133
Gm20	34148917	34149282	Gmdrm	hypo	CHH	-0.2286
Gm20	34149624	34150619	Gmdrm	hypo	CHH	-0.1145
Gm20	34166285	34167249	Gmdrm	hypo	CHH	-0.0198
Gm20	34176197	34177194	Gmdrm	hypo	CHH	-0.0196
Gm20	34177204	34178190	Gmdrm	hypo	CHH	-0.0325
Gm20	34178240	34179240	Gmdrm	hypo	CHH	-0.0554
Gm20	34179243	34180241	Gmdrm	hypo	CHH	-0.0574
Gm20	34191527	34192457	Gmdrm	hypo	CHH	-0.0192
Gm20	34209475	34209842	Gmdrm	hypo	CHH	-0.0967
Gm20	34221837	34222834	Gmdrm	hypo	CHH	-0.015
Gm20	34224225	34225219	Gmdrm	hypo	CHH	-0.02
Gm20	34225232	34226229	Gmdrm	hypo	CHH	-0.0873
Gm20	34226234	34227227	Gmdrm	hypo	CHH	-0.1394
Gm20	34227262	34228257	Gmdrm	hypo	CHH	-0.0346
Gm20	34228526	34229523	Gmdrm	hypo	CHH	-0.0167
Gm20	34229530	34230082	Gmdrm	hypo	CHH	-0.0458
Gm20	34230195	34231187	Gmdrm	hypo	CHH	-0.0289
Gm20	34231904	34232896	Gmdrm	hypo	CHH	-0.0209
Gm20	34238029	34238850	Gmdrm	hypo	CHH	-0.0957
Gm20	34253159	34253588	Gmdrm	hypo	CHH	-0.0427
Gm20	34254349	34255331	Gmdrm	hypo	CHH	-0.0202
Gm20	34255376	34256363	Gmdrm	hypo	CHH	-0.1212
Gm20	34256386	34257232	Gmdrm	hypo	CHH	-0.052
Gm20	34263153	34264090	Gmdrm	hypo	CHH	-0.0349
Gm20	34266205	34267205	Gmdrm	hypo	CHH	-0.0542
Gm20	34267213	34268175	Gmdrm	hypo	CHH	-0.2014
Gm20	34272439	34273427	Gmdrm	hypo	CHH	-0.0217
Gm20	34279654	34280650	Gmdrm	hypo	CHH	-0.0169
Gm20	34280667	34281430	Gmdrm	hypo	CHH	-0.0485
Gm20	34298064	34299064	Gmdrm	hypo	CHH	-0.1206
Gm20	34299068	34300051	Gmdrm	hypo	CHH	-0.059
Gm20	34301462	34302461	Gmdrm	hypo	CHH	-0.0753
Gm20	34302469	34303468	Gmdrm	hypo	CHH	-0.0496
Gm20	34303477	34304475	Gmdrm	hypo	CHH	-0.0617
Gm20	34304479	34305455	Gmdrm	hypo	CHH	-0.0546
Gm20	34306413	34307121	Gmdrm	hypo	CHH	-0.0333
Gm20	34308384	34309378	Gmdrm	hypo	CHH	-0.0515
Gm20	34313663	34314655	Gmdrm	hypo	CHH	-0.0383
Gm20	34315741	34316739	Gmdrm	hypo	CHH	-0.0207
Gm20	34318766	34319763	Gmdrm	hypo	CHH	-0.1104
Gm20	34330517	34331516	Gmdrm	hypo	CHH	-0.0661

Gm20	34333524	34334520	Gmdrm	hypo	CHH	-0.0715
Gm20	34334526	34335512	Gmdrm	hypo	CHH	-0.0608
Gm20	34338816	34338908	Gmdrm	hypo	CHH	-0.0933
Gm20	34340430	34341146	Gmdrm	hypo	CHH	-0.072
Gm20	34354873	34355861	Gmdrm	hypo	CHH	-0.0128
Gm20	34355913	34356908	Gmdrm	hypo	CHH	-0.0103
Gm20	34358988	34359968	Gmdrm	hypo	CHH	-0.0229
Gm20	34363157	34364153	Gmdrm	hypo	CHH	-0.0432
Gm20	34364162	34365159	Gmdrm	hypo	CHH	-0.0267
Gm20	34397141	34398128	Gmdrm	hypo	CHH	-0.0266
Gm20	34400518	34400642	Gmdrm	hypo	CHH	-0.0688
Gm20	34400801	34400908	Gmdrm	hypo	CHH	-0.05
Gm20	34403031	34404015	Gmdrm	hypo	CHH	-0.0515
Gm20	34404041	34405034	Gmdrm	hypo	CHH	-0.0106
Gm20	34419097	34420095	Gmdrm	hypo	CHH	-0.024
Gm20	34422695	34423665	Gmdrm	hypo	CHH	-0.014
Gm20	34429591	34430494	Gmdrm	hypo	CHH	-0.0386
Gm20	34442099	34443099	Gmdrm	hypo	CHH	-0.1912
Gm20	34443109	34444101	Gmdrm	hypo	CHH	-0.1576
Gm20	34453822	34454822	Gmdrm	hypo	CHH	-0.0397
Gm20	34455826	34456821	Gmdrm	hypo	CHH	-0.0651
Gm20	34475184	34476166	Gmdrm	hypo	CHH	-0.0678
Gm20	34483618	34483921	Gmdrm	hypo	CHH	-0.0242
Gm20	34484037	34484150	Gmdrm	hypo	CHH	-0.06
Gm20	34493533	34494532	Gmdrm	hypo	CHH	-0.01
Gm20	34517387	34517637	Gmdrm	hypo	CHH	-0.0717
Gm20	34522069	34523002	Gmdrm	hypo	CHH	-0.24
Gm20	34531194	34532096	Gmdrm	hypo	CHH	-0.0354
Gm20	34534221	34535218	Gmdrm	hypo	CHH	-0.0454
Gm20	34536662	34537658	Gmdrm	hypo	CHH	-0.0592
Gm20	34537703	34538696	Gmdrm	hypo	CHH	-0.0649
Gm20	34538704	34539686	Gmdrm	hypo	CHH	-0.0448
Gm20	34539722	34540708	Gmdrm	hypo	CHH	-0.0364
Gm20	34544289	34545266	Gmdrm	hypo	CHH	-0.0221
Gm20	34555513	34556512	Gmdrm	hypo	CHH	-0.0133
Gm20	34560571	34561546	Gmdrm	hypo	CHH	-0.027
Gm20	34562772	34563535	Gmdrm	hypo	CHH	-0.092
Gm20	34563682	34564681	Gmdrm	hypo	CHH	-0.0146
Gm20	34566857	34567081	Gmdrm	hypo	CHH	-0.0317
Gm20	34575951	34576951	Gmdrm	hypo	CHH	-0.2943
Gm20	34583955	34584952	Gmdrm	hypo	CHH	-0.0239
Gm20	34584958	34585950	Gmdrm	hypo	CHH	-0.1055
Gm20	34586988	34587988	Gmdrm	hypo	CHH	-0.0569
Gm20	34587996	34588996	Gmdrm	hypo	CHH	-0.0528
Gm20	34588999	34589977	Gmdrm	hypo	CHH	-0.1214
Gm20	34591040	34591996	Gmdrm	hypo	CHH	-0.0478

Gm20	34592097	34593091	Gmdrm	hypo	CHH	-0.0828
Gm20	34593104	34594092	Gmdrm	hypo	CHH	-0.0289
Gm20	34597485	34598468	Gmdrm	hypo	CHH	-0.0165
Gm20	34599729	34600728	Gmdrm	hypo	CHH	-0.0745
Gm20	34603958	34604950	Gmdrm	hypo	CHH	-0.0263
Gm20	34616524	34617524	Gmdrm	hypo	CHH	-0.0254
Gm20	34617527	34618526	Gmdrm	hypo	CHH	-0.0493
Gm20	34625100	34626009	Gmdrm	hypo	CHH	-0.1565
Gm20	34626320	34627307	Gmdrm	hypo	CHH	-0.0231
Gm20	34627959	34628426	Gmdrm	hypo	CHH	-0.0423
Gm20	34630365	34630791	Gmdrm	hypo	CHH	-0.1631
Gm20	34632686	34633673	Gmdrm	hypo	CHH	-0.0535
Gm20	34633691	34633833	Gmdrm	hypo	CHH	-0.035
Gm20	34641820	34642816	Gmdrm	hypo	CHH	-0.0169
Gm20	34646753	34647742	Gmdrm	hypo	CHH	-0.0198
Gm20	34648776	34649770	Gmdrm	hypo	CHH	-0.0542
Gm20	34653596	34654590	Gmdrm	hypo	CHH	-0.0304
Gm20	34654601	34655590	Gmdrm	hypo	CHH	-0.0776
Gm20	34655648	34656647	Gmdrm	hypo	CHH	-0.0657
Gm20	34656652	34656737	Gmdrm	hypo	CHH	-0.1316
Gm20	34660920	34661916	Gmdrm	hypo	CHH	-0.061
Gm20	34661922	34662919	Gmdrm	hypo	CHH	-0.148
Gm20	34662925	34663875	Gmdrm	hypo	CHH	-0.1685
Gm20	34670207	34671201	Gmdrm	hypo	CHH	-0.0191
Gm20	34672556	34673540	Gmdrm	hypo	CHH	-0.0188
Gm20	34678092	34679091	Gmdrm	hypo	CHH	-0.1328
Gm20	34681108	34682105	Gmdrm	hypo	CHH	-0.121
Gm20	34682116	34683113	Gmdrm	hypo	CHH	-0.0388
Gm20	34683120	34684120	Gmdrm	hypo	CHH	-0.0993
Gm20	34684124	34685114	Gmdrm	hypo	CHH	-0.0109
Gm20	34685522	34686481	Gmdrm	hypo	CHH	-0.0194
Gm20	34687528	34688527	Gmdrm	hypo	CHH	-0.0125
Gm20	34689533	34690069	Gmdrm	hypo	CHH	-0.034
Gm20	34696986	34697980	Gmdrm	hypo	CHH	-0.0592
Gm20	34701828	34702826	Gmdrm	hypo	CHH	-0.1184
Gm20	34702865	34703862	Gmdrm	hypo	CHH	-0.154
Gm20	34705390	34705722	Gmdrm	hypo	CHH	-0.1646
Gm20	34708088	34709087	Gmdrm	hypo	CHH	-0.1851
Gm20	34710096	34711067	Gmdrm	hypo	CHH	-0.0566
Gm20	34714888	34715856	Gmdrm	hypo	CHH	-0.0202
Gm20	34727181	34727340	Gmdrm	hypo	CHH	-0.2041
Gm20	34728667	34729666	Gmdrm	hypo	CHH	-0.0657
Gm20	34755445	34756040	Gmdrm	hypo	CHH	-0.0826
Gm20	34756513	34757247	Gmdrm	hypo	CHH	-0.0333
Gm20	34763260	34764247	Gmdrm	hypo	CHH	-0.0124
Gm20	34770435	34771434	Gmdrm	hypo	CHH	-0.0845

Gm20	34771444	34772439	Gmdrm	hypo	CHH	-0.1224
Gm20	34772476	34773460	Gmdrm	hypo	CHH	-0.072
Gm20	34778924	34779924	Gmdrm	hypo	CHH	-0.0836
Gm20	34788329	34789292	Gmdrm	hypo	CHH	-0.0433
Gm20	34789334	34790333	Gmdrm	hypo	CHH	-0.0219
Gm20	34790357	34791345	Gmdrm	hypo	CHH	-0.0736
Gm20	34791368	34792367	Gmdrm	hypo	CHH	-0.1688
Gm20	34799036	34800036	Gmdrm	hypo	CHH	-0.0642
Gm20	34800039	34801039	Gmdrm	hypo	CHH	-0.0308
Gm20	34807367	34808360	Gmdrm	hypo	CHH	-0.0687
Gm20	34808382	34809352	Gmdrm	hypo	CHH	-0.0361
Gm20	34813751	34814735	Gmdrm	hypo	CHH	-0.0994
Gm20	34817774	34818766	Gmdrm	hypo	CHH	-0.0547
Gm20	34818980	34819151	Gmdrm	hypo	CHH	-0.195
Gm20	34845706	34846692	Gmdrm	hypo	CHH	-0.0292
Gm20	34873484	34874482	Gmdrm	hypo	CHH	-0.0421
Gm20	34876276	34877233	Gmdrm	hypo	CHH	-0.017
Gm20	34881210	34882205	Gmdrm	hypo	CHH	-0.05
Gm20	34882214	34882909	Gmdrm	hypo	CHH	-0.1092
Gm20	34896172	34896981	Gmdrm	hypo	CHH	-0.0174
Gm20	34914850	34914979	Gmdrm	hypo	CHH	-0.0429
Gm20	34922048	34923040	Gmdrm	hypo	CHH	-0.2708
Gm20	34926036	34927035	Gmdrm	hypo	CHH	-0.111
Gm20	34927037	34928035	Gmdrm	hypo	CHH	-0.0417
Gm20	34936588	34937588	Gmdrm	hypo	CHH	-0.0232
Gm20	34937591	34938574	Gmdrm	hypo	CHH	-0.0159
Gm20	34944635	34945441	Gmdrm	hypo	CHH	-0.0361
Gm20	34949623	34950613	Gmdrm	hypo	CHH	-0.0106
Gm20	34990965	34991956	Gmdrm	hypo	CHH	-0.0586
Gm20	34992047	34993035	Gmdrm	hypo	CHH	-0.0197
Gm20	35007887	35008590	Gmdrm	hypo	CHH	-0.1848
Gm20	35017136	35018130	Gmdrm	hypo	CHH	-0.0828
Gm20	35018139	35019138	Gmdrm	hypo	CHH	-0.2051
Gm20	35024271	35025265	Gmdrm	hypo	CHH	-0.0209
Gm20	35038917	35039915	Gmdrm	hypo	CHH	-0.0239
Gm20	35039962	35040959	Gmdrm	hypo	CHH	-0.0431
Gm20	35040964	35041727	Gmdrm	hypo	CHH	-0.1356
Gm20	35051018	35052017	Gmdrm	hypo	CHH	-0.0694
Gm20	35053055	35054031	Gmdrm	hypo	CHH	-0.1536
Gm20	35064911	35065905	Gmdrm	hypo	CHH	-0.0376
Gm20	35072140	35073140	Gmdrm	hypo	CHH	-0.0754
Gm20	35073144	35074144	Gmdrm	hypo	CHH	-0.0614
Gm20	35074164	35075162	Gmdrm	hypo	CHH	-0.0187
Gm20	35084556	35085555	Gmdrm	hypo	CHH	-0.0198
Gm20	35087271	35088268	Gmdrm	hypo	CHH	-0.0628
Gm20	35093307	35094302	Gmdrm	hypo	CHH	-0.2589

Gm20	35095485	35096485	Gmdrm	hypo	CHH	-0.0527
Gm20	35096872	35097856	Gmdrm	hypo	CHH	-0.2365
Gm20	35106529	35107506	Gmdrm	hypo	CHH	-0.017
Gm20	35108932	35109932	Gmdrm	hypo	CHH	-0.02
Gm20	35109980	35110964	Gmdrm	hypo	CHH	-0.0152
Gm20	35116137	35117135	Gmdrm	hypo	CHH	-0.0198
Gm20	35118824	35119817	Gmdrm	hypo	CHH	-0.0416
Gm20	35119828	35120824	Gmdrm	hypo	CHH	-0.0553
Gm20	35129895	35130884	Gmdrm	hypo	CHH	-0.0125
Gm20	35138275	35139275	Gmdrm	hypo	CHH	-0.0864
Gm20	35139276	35140253	Gmdrm	hypo	CHH	-0.0328
Gm20	35143771	35144749	Gmdrm	hypo	CHH	-0.0349
Gm20	35146557	35147552	Gmdrm	hypo	CHH	-0.0359
Gm20	35147560	35148519	Gmdrm	hypo	CHH	-0.0717
Gm20	35149580	35150571	Gmdrm	hypo	CHH	-0.0972
Gm20	35150583	35150904	Gmdrm	hypo	CHH	-0.0394
Gm20	35165829	35166821	Gmdrm	hypo	CHH	-0.0157
Gm20	35175107	35176101	Gmdrm	hypo	CHH	-0.0476
Gm20	35178175	35178863	Gmdrm	hypo	CHH	-0.0331
Gm20	35184505	35185505	Gmdrm	hypo	CHH	-0.0274
Gm20	35201725	35202341	Gmdrm	hypo	CHH	-0.0341
Gm20	35220404	35221397	Gmdrm	hypo	CHH	-0.0448
Gm20	35222432	35223427	Gmdrm	hypo	CHH	-0.0487
Gm20	35223440	35224432	Gmdrm	hypo	CHH	-0.0529
Gm20	35239105	35240073	Gmdrm	hypo	CHH	-0.03
Gm20	35249582	35250581	Gmdrm	hypo	CHH	-0.0442
Gm20	35250591	35251588	Gmdrm	hypo	CHH	-0.0756
Gm20	35251595	35252050	Gmdrm	hypo	CHH	-0.1097
Gm20	35252979	35253136	Gmdrm	hypo	CHH	-0.086
Gm20	35261768	35261914	Gmdrm	hypo	CHH	-0.0339
Gm20	35262022	35263008	Gmdrm	hypo	CHH	-0.0465
Gm20	35263024	35263717	Gmdrm	hypo	CHH	-0.0497
Gm20	35263889	35264869	Gmdrm	hypo	CHH	-0.0185
Gm20	35268968	35269957	Gmdrm	hypo	CHH	-0.0589
Gm20	35269972	35270971	Gmdrm	hypo	CHH	-0.1086
Gm20	35270973	35271966	Gmdrm	hypo	CHH	-0.0316
Gm20	35275359	35275699	Gmdrm	hypo	CHH	-0.0457
Gm20	35277751	35277888	Gmdrm	hypo	CHH	-0.0269
Gm20	35288516	35289504	Gmdrm	hypo	CHH	-0.018
Gm20	35292613	35293156	Gmdrm	hypo	CHH	-0.0396
Gm20	35297567	35297747	Gmdrm	hypo	CHH	-0.0517
Gm20	35297877	35298845	Gmdrm	hypo	CHH	-0.0429
Gm20	35307127	35307373	Gmdrm	hypo	CHH	-0.0344
Gm20	35310502	35310946	Gmdrm	hypo	CHH	-0.0466
Gm20	35313426	35314426	Gmdrm	hypo	CHH	-0.0583
Gm20	35327082	35328079	Gmdrm	hypo	CHH	-0.1283

Gm20	35328084	35329081	Gmdrm	hypo	CHH	-0.0773
Gm20	35329091	35330076	Gmdrm	hypo	CHH	-0.086
Gm20	35333314	35334295	Gmdrm	hypo	CHH	-0.0567
Gm20	35335133	35336129	Gmdrm	hypo	CHH	-0.1625
Gm20	35340505	35341486	Gmdrm	hypo	CHH	-0.022
Gm20	35374302	35374386	Gmdrm	hypo	CHH	-0.05
Gm20	35380792	35381706	Gmdrm	hypo	CHH	-0.0209
Gm20	35402146	35402308	Gmdrm	hypo	CHH	-0.152
Gm20	35409325	35410323	Gmdrm	hypo	CHH	-0.0516
Gm20	35410338	35411322	Gmdrm	hypo	CHH	-0.0999
Gm20	35412692	35413689	Gmdrm	hypo	CHH	-0.0497
Gm20	35422294	35423279	Gmdrm	hypo	CHH	-0.0367
Gm20	35423303	35424241	Gmdrm	hypo	CHH	-0.0378
Gm20	35428265	35429240	Gmdrm	hypo	CHH	-0.0707
Gm20	35429273	35430078	Gmdrm	hypo	CHH	-0.0171
Gm20	35437985	35438964	Gmdrm	hypo	CHH	-0.0122
Gm20	35440174	35441144	Gmdrm	hypo	CHH	-0.0209
Gm20	35447823	35448063	Gmdrm	hypo	CHH	-0.034
Gm20	35449649	35450640	Gmdrm	hypo	CHH	-0.0219
Gm20	35459204	35460204	Gmdrm	hypo	CHH	-0.0596
Gm20	35460220	35461217	Gmdrm	hypo	CHH	-0.0342
Gm20	35478097	35479095	Gmdrm	hypo	CHH	-0.13
Gm20	35481199	35482158	Gmdrm	hypo	CHH	-0.3175
Gm20	35488709	35489706	Gmdrm	hypo	CHH	-0.2223
Gm20	35489713	35490704	Gmdrm	hypo	CHH	-0.1777
Gm20	35501804	35502784	Gmdrm	hypo	CHH	-0.0176
Gm20	35504752	35505752	Gmdrm	hypo	CHH	-0.1697
Gm20	35505754	35506708	Gmdrm	hypo	CHH	-0.2068
Gm20	35508069	35509069	Gmdrm	hypo	CHH	-0.014
Gm20	35509081	35510076	Gmdrm	hypo	CHH	-0.0232
Gm20	35510089	35511088	Gmdrm	hypo	CHH	-0.0571
Gm20	35525983	35526600	Gmdrm	hypo	CHH	-0.0256
Gm20	35546329	35547326	Gmdrm	hypo	CHH	-0.028
Gm20	35555770	35556740	Gmdrm	hypo	CHH	-0.0323
Gm20	35556799	35557079	Gmdrm	hypo	CHH	-0.0437
Gm20	35560328	35561328	Gmdrm	hypo	CHH	-0.082
Gm20	35599474	35600472	Gmdrm	hypo	CHH	-0.0512
Gm20	35602508	35603505	Gmdrm	hypo	CHH	-0.0336
Gm20	35605545	35606424	Gmdrm	hypo	CHH	-0.0274
Gm20	35606550	35607493	Gmdrm	hypo	CHH	-0.0177
Gm20	35620890	35621858	Gmdrm	hypo	CHH	-0.106
Gm20	35624522	35625521	Gmdrm	hypo	CHH	-0.1985
Gm20	35625524	35626521	Gmdrm	hypo	CHH	-0.1328
Gm20	35633835	35634829	Gmdrm	hypo	CHH	-0.0672
Gm20	35634838	35635831	Gmdrm	hypo	CHH	-0.0952
Gm20	35635842	35636838	Gmdrm	hypo	CHH	-0.0716

Gm20	35640906	35641901	Gmdrm	hypo	CHH	-0.035
Gm20	35641908	35642906	Gmdrm	hypo	CHH	-0.0724
Gm20	35642911	35643868	Gmdrm	hypo	CHH	-0.0759
Gm20	35657120	35658118	Gmdrm	hypo	CHH	-0.0167
Gm20	35667309	35668308	Gmdrm	hypo	CHH	-0.0206
Gm20	35669868	35670864	Gmdrm	hypo	CHH	-0.0475
Gm20	35682555	35683528	Gmdrm	hypo	CHH	-0.0102
Gm20	35690733	35691707	Gmdrm	hypo	CHH	-0.0114
Gm20	35696861	35697005	Gmdrm	hypo	CHH	-0.065
Gm20	35699842	35700834	Gmdrm	hypo	CHH	-0.021
Gm20	35702863	35703853	Gmdrm	hypo	CHH	-0.1443
Gm20	35705171	35705705	Gmdrm	hypo	CHH	-0.1629
Gm20	35713051	35714032	Gmdrm	hypo	CHH	-0.0257
Gm20	35717092	35718045	Gmdrm	hypo	CHH	-0.1361
Gm20	35719443	35720371	Gmdrm	hypo	CHH	-0.0122
Gm20	35723944	35724936	Gmdrm	hypo	CHH	-0.0167
Gm20	35729855	35730853	Gmdrm	hypo	CHH	-0.0599
Gm20	35743149	35744122	Gmdrm	hypo	CHH	-0.0642
Gm20	35749199	35750198	Gmdrm	hypo	CHH	-0.1294
Gm20	35771426	35772426	Gmdrm	hypo	CHH	-0.0752
Gm20	35774946	35775938	Gmdrm	hypo	CHH	-0.0136
Gm20	35782744	35783732	Gmdrm	hypo	CHH	-0.0212
Gm20	35801049	35801427	Gmdrm	hypo	CHH	-0.0441
Gm20	35809565	35810550	Gmdrm	hypo	CHH	-0.0216
Gm20	35812840	35813824	Gmdrm	hypo	CHH	-0.024
Gm20	35824961	35825959	Gmdrm	hypo	CHH	-0.074
Gm20	35825963	35826960	Gmdrm	hypo	CHH	-0.054
Gm20	35826982	35827897	Gmdrm	hypo	CHH	-0.0157
Gm20	35830912	35831900	Gmdrm	hypo	CHH	-0.0607
Gm20	35833929	35834894	Gmdrm	hypo	CHH	-0.0485
Gm20	35834935	35835913	Gmdrm	hypo	CHH	-0.1948
Gm20	35839965	35840932	Gmdrm	hypo	CHH	-0.0491
Gm20	35852330	35852759	Gmdrm	hypo	CHH	-0.024
Gm20	35860214	35860294	Gmdrm	hypo	CHH	-0.076
Gm20	35877789	35878765	Gmdrm	hypo	CHH	-0.014
Gm20	35899068	35900059	Gmdrm	hypo	CHH	-0.0137
Gm20	35901127	35902126	Gmdrm	hypo	CHH	-0.1311
Gm20	35902137	35903057	Gmdrm	hypo	CHH	-0.201
Gm20	35909903	35910890	Gmdrm	hypo	CHH	-0.0238
Gm20	35910906	35911891	Gmdrm	hypo	CHH	-0.1325
Gm20	35918846	35919811	Gmdrm	hypo	CHH	-0.0927
Gm20	35923717	35924229	Gmdrm	hypo	CHH	-0.3615
Gm20	35928600	35929600	Gmdrm	hypo	CHH	-0.0294
Gm20	35929627	35930603	Gmdrm	hypo	CHH	-0.0283
Gm20	35936468	35937465	Gmdrm	hypo	CHH	-0.2582
Gm20	35948144	35949089	Gmdrm	hypo	CHH	-0.0224

Gm20	35964037	35964553	Gmdrm	hypo	CHH	-0.0624
Gm20	35973287	35973876	Gmdrm	hypo	CHH	-0.0241
Gm20	35979682	35980337	Gmdrm	hypo	CHH	-0.0117
Gm20	35981674	35982671	Gmdrm	hypo	CHH	-0.0245
Gm20	35982698	35983690	Gmdrm	hypo	CHH	-0.0275
Gm20	35985448	35986352	Gmdrm	hypo	CHH	-0.0317
Gm20	35987672	35988667	Gmdrm	hypo	CHH	-0.0268
Gm20	36004250	36005250	Gmdrm	hypo	CHH	-0.0609
Gm20	36006134	36007120	Gmdrm	hypo	CHH	-0.0134
Gm20	36010048	36011029	Gmdrm	hypo	CHH	-0.0176
Gm20	36020527	36021522	Gmdrm	hypo	CHH	-0.2017
Gm20	36023084	36024050	Gmdrm	hypo	CHH	-0.0554
Gm20	36030077	36030269	Gmdrm	hypo	CHH	-0.0589
Gm20	36043725	36044705	Gmdrm	hypo	CHH	-0.0194
Gm20	36044726	36045723	Gmdrm	hypo	CHH	-0.0916
Gm20	36045745	36046744	Gmdrm	hypo	CHH	-0.0483
Gm20	36049526	36050523	Gmdrm	hypo	CHH	-0.017
Gm20	36063089	36063291	Gmdrm	hypo	CHH	-0.0788
Gm20	36072326	36072610	Gmdrm	hypo	CHH	-0.0322
Gm20	36081435	36082424	Gmdrm	hypo	CHH	-0.069
Gm20	36109914	36110912	Gmdrm	hypo	CHH	-0.0772
Gm20	36110930	36111919	Gmdrm	hypo	CHH	-0.0272
Gm20	36113346	36114339	Gmdrm	hypo	CHH	-0.0164
Gm20	36119971	36120955	Gmdrm	hypo	CHH	-0.0162
Gm20	36127155	36128131	Gmdrm	hypo	CHH	-0.0846
Gm20	36128160	36128589	Gmdrm	hypo	CHH	-0.0574
Gm20	36130877	36131873	Gmdrm	hypo	CHH	-0.0774
Gm20	36131882	36132862	Gmdrm	hypo	CHH	-0.2166
Gm20	36137571	36138567	Gmdrm	hypo	CHH	-0.0535
Gm20	36138577	36139577	Gmdrm	hypo	CHH	-0.0527
Gm20	36139589	36139917	Gmdrm	hypo	CHH	-0.0767
Gm20	36141035	36142035	Gmdrm	hypo	CHH	-0.2386
Gm20	36142040	36142188	Gmdrm	hypo	CHH	-0.4848
Gm20	36152288	36153288	Gmdrm	hypo	CHH	-0.0515
Gm20	36158353	36159334	Gmdrm	hypo	CHH	-0.0205
Gm20	36162786	36163768	Gmdrm	hypo	CHH	-0.0777
Gm20	36166805	36167780	Gmdrm	hypo	CHH	-0.0983
Gm20	36167816	36168814	Gmdrm	hypo	CHH	-0.1529
Gm20	36185788	36186775	Gmdrm	hypo	CHH	-0.0135
Gm20	36189658	36190647	Gmdrm	hypo	CHH	-0.0327
Gm20	36196571	36197549	Gmdrm	hypo	CHH	-0.1372
Gm20	36197577	36198446	Gmdrm	hypo	CHH	-0.0293
Gm20	36202184	36203163	Gmdrm	hypo	CHH	-0.0233
Gm20	36203200	36203472	Gmdrm	hypo	CHH	-0.03
Gm20	36209082	36210078	Gmdrm	hypo	CHH	-0.0183
Gm20	36213451	36214207	Gmdrm	hypo	CHH	-0.0172

Gm20	36217536	36218500	Gmdrm	hypo	CHH	-0.02
Gm20	36219873	36220858	Gmdrm	hypo	CHH	-0.0157
Gm20	36227412	36228380	Gmdrm	hypo	CHH	-0.0245
Gm20	36230431	36231412	Gmdrm	hypo	CHH	-0.2279
Gm20	36232459	36233455	Gmdrm	hypo	CHH	-0.0194
Gm20	36237917	36238908	Gmdrm	hypo	CHH	-0.0162
Gm20	36238930	36239801	Gmdrm	hypo	CHH	-0.014
Gm20	36240432	36241431	Gmdrm	hypo	CHH	-0.0298
Gm20	36241435	36241893	Gmdrm	hypo	CHH	-0.1722
Gm20	36248959	36249956	Gmdrm	hypo	CHH	-0.016
Gm20	36249965	36250315	Gmdrm	hypo	CHH	-0.0598
Gm20	36280696	36281677	Gmdrm	hypo	CHH	-0.0182
Gm20	36285001	36285995	Gmdrm	hypo	CHH	-0.0127
Gm20	36296048	36296476	Gmdrm	hypo	CHH	-0.1103
Gm20	36299101	36300005	Gmdrm	hypo	CHH	-0.2943
Gm20	36310545	36311543	Gmdrm	hypo	CHH	-0.308
Gm20	36313568	36314564	Gmdrm	hypo	CHH	-0.045
Gm20	36315660	36316641	Gmdrm	hypo	CHH	-0.0911
Gm20	36322438	36323431	Gmdrm	hypo	CHH	-0.0712
Gm20	36328522	36329514	Gmdrm	hypo	CHH	-0.0179
Gm20	36335815	36336722	Gmdrm	hypo	CHH	-0.0236
Gm20	36338073	36339060	Gmdrm	hypo	CHH	-0.0344
Gm20	36339134	36340133	Gmdrm	hypo	CHH	-0.1034
Gm20	36341140	36342134	Gmdrm	hypo	CHH	-0.0614
Gm20	36346794	36347763	Gmdrm	hypo	CHH	-0.2973
Gm20	36358486	36359471	Gmdrm	hypo	CHH	-0.0286
Gm20	36365653	36366647	Gmdrm	hypo	CHH	-0.0163
Gm20	36386879	36387879	Gmdrm	hypo	CHH	-0.0364
Gm20	36391611	36392599	Gmdrm	hypo	CHH	-0.1173
Gm20	36392612	36393607	Gmdrm	hypo	CHH	-0.0188
Gm20	36393623	36394608	Gmdrm	hypo	CHH	-0.0267
Gm20	36407531	36408521	Gmdrm	hypo	CHH	-0.1054
Gm20	36408533	36409517	Gmdrm	hypo	CHH	-0.1357
Gm20	36411409	36412405	Gmdrm	hypo	CHH	-0.0413
Gm20	36420870	36421854	Gmdrm	hypo	CHH	-0.0502
Gm20	36447474	36448443	Gmdrm	hypo	CHH	-0.012
Gm20	36457764	36458760	Gmdrm	hypo	CHH	-0.1597
Gm20	36459998	36460058	Gmdrm	hypo	CHH	-0.04
Gm20	36461330	36462277	Gmdrm	hypo	CHH	-0.1191
Gm20	36468327	36469209	Gmdrm	hypo	CHH	-0.0756
Gm20	36469485	36470481	Gmdrm	hypo	CHH	-0.0218
Gm20	36474479	36475467	Gmdrm	hypo	CHH	-0.0924
Gm20	36476482	36477473	Gmdrm	hypo	CHH	-0.0169
Gm20	36480508	36481460	Gmdrm	hypo	CHH	-0.0665
Gm20	36484832	36485828	Gmdrm	hypo	CHH	-0.0269
Gm20	36485844	36485889	Gmdrm	hypo	CHH	-0.056

Gm20	36486028	36487027	Gmdrm	hypo	CHH	-0.0302
Gm20	36495179	36496165	Gmdrm	hypo	CHH	-0.0288
Gm20	36499185	36500112	Gmdrm	hypo	CHH	-0.1082
Gm20	36506246	36507239	Gmdrm	hypo	CHH	-0.019
Gm20	36542951	36543944	Gmdrm	hypo	CHH	-0.0331
Gm20	36547099	36548096	Gmdrm	hypo	CHH	-0.0208
Gm20	36548140	36549108	Gmdrm	hypo	CHH	-0.0918
Gm20	36550237	36551226	Gmdrm	hypo	CHH	-0.023
Gm20	36551257	36552245	Gmdrm	hypo	CHH	-0.0289
Gm20	36552276	36553267	Gmdrm	hypo	CHH	-0.0207
Gm20	36553294	36553671	Gmdrm	hypo	CHH	-0.0397
Gm20	36565526	36566520	Gmdrm	hypo	CHH	-0.0165
Gm20	36596197	36597185	Gmdrm	hypo	CHH	-0.0114
Gm20	36602839	36603838	Gmdrm	hypo	CHH	-0.1592
Gm20	36607924	36608859	Gmdrm	hypo	CHH	-0.0743
Gm20	36609359	36609399	Gmdrm	hypo	CHH	-0.0878
Gm20	36618405	36619401	Gmdrm	hypo	CHH	-0.076
Gm20	36622418	36623410	Gmdrm	hypo	CHH	-0.054
Gm20	36627859	36628858	Gmdrm	hypo	CHH	-0.0108
Gm20	36653179	36654172	Gmdrm	hypo	CHH	-0.1335
Gm20	36655203	36656151	Gmdrm	hypo	CHH	-0.0185
Gm20	36657231	36658227	Gmdrm	hypo	CHH	-0.0682
Gm20	36660507	36661503	Gmdrm	hypo	CHH	-0.0698
Gm20	36662543	36663401	Gmdrm	hypo	CHH	-0.0284
Gm20	36665223	36666222	Gmdrm	hypo	CHH	-0.0109
Gm20	36666227	36666657	Gmdrm	hypo	CHH	-0.0566
Gm20	36666830	36667829	Gmdrm	hypo	CHH	-0.0986
Gm20	36667838	36668822	Gmdrm	hypo	CHH	-0.0989
Gm20	36673386	36674383	Gmdrm	hypo	CHH	-0.0295
Gm20	36686675	36687670	Gmdrm	hypo	CHH	-0.0143
Gm20	36688718	36689298	Gmdrm	hypo	CHH	-0.0747
Gm20	36697843	36698821	Gmdrm	hypo	CHH	-0.0254
Gm20	36701904	36702904	Gmdrm	hypo	CHH	-0.0439
Gm20	36702911	36703887	Gmdrm	hypo	CHH	-0.0644
Gm20	36704492	36705488	Gmdrm	hypo	CHH	-0.0217
Gm20	36705761	36706759	Gmdrm	hypo	CHH	-0.0912
Gm20	36706773	36707769	Gmdrm	hypo	CHH	-0.0183
Gm20	36707783	36708244	Gmdrm	hypo	CHH	-0.0421
Gm20	36711754	36712702	Gmdrm	hypo	CHH	-0.0197
Gm20	36712756	36713754	Gmdrm	hypo	CHH	-0.0159
Gm20	36717370	36718369	Gmdrm	hypo	CHH	-0.0236
Gm20	36726110	36727095	Gmdrm	hypo	CHH	-0.016
Gm20	36727381	36728379	Gmdrm	hypo	CHH	-0.1295
Gm20	36728382	36729382	Gmdrm	hypo	CHH	-0.0614
Gm20	36729384	36730231	Gmdrm	hypo	CHH	-0.0803
Gm20	36735648	36736638	Gmdrm	hypo	CHH	-0.0662

Gm20	36749641	36750639	Gmdrm	hypo	CHH	-0.0415
Gm20	36750652	36751628	Gmdrm	hypo	CHH	-0.0465
Gm20	36754629	36755465	Gmdrm	hypo	CHH	-0.0228
Gm20	36756051	36756454	Gmdrm	hypo	CHH	-0.0457
Gm20	36760142	36761130	Gmdrm	hypo	CHH	-0.0846
Gm20	36761145	36762145	Gmdrm	hypo	CHH	-0.063
Gm20	36773403	36773946	Gmdrm	hypo	CHH	-0.0312
Gm20	36779176	36780141	Gmdrm	hypo	CHH	-0.1164
Gm20	36786346	36787227	Gmdrm	hypo	CHH	-0.0153
Gm20	36789630	36790612	Gmdrm	hypo	CHH	-0.0405
Gm20	36802457	36803419	Gmdrm	hypo	CHH	-0.0196
Gm20	36811803	36812803	Gmdrm	hypo	CHH	-0.0274
Gm20	36814183	36815162	Gmdrm	hypo	CHH	-0.0173
Gm20	36822566	36823560	Gmdrm	hypo	CHH	-0.0335
Gm20	36832247	36833222	Gmdrm	hypo	CHH	-0.0178
Gm20	36839665	36840658	Gmdrm	hypo	CHH	-0.0222
Gm20	36845260	36846244	Gmdrm	hypo	CHH	-0.0609
Gm20	36846261	36847259	Gmdrm	hypo	CHH	-0.0953
Gm20	36847271	36848244	Gmdrm	hypo	CHH	-0.0114
Gm20	36858143	36859139	Gmdrm	hypo	CHH	-0.0198
Gm20	36869288	36870199	Gmdrm	hypo	CHH	-0.0191
Gm20	36874784	36875767	Gmdrm	hypo	CHH	-0.0956
Gm20	36875800	36876798	Gmdrm	hypo	CHH	-0.1146
Gm20	36877804	36878804	Gmdrm	hypo	CHH	-0.0849
Gm20	36878807	36879686	Gmdrm	hypo	CHH	-0.1978
Gm20	36879795	36880794	Gmdrm	hypo	CHH	-0.0206
Gm20	36887700	36888671	Gmdrm	hypo	CHH	-0.0322
Gm20	36891411	36892410	Gmdrm	hypo	CHH	-0.0461
Gm20	36896608	36897013	Gmdrm	hypo	CHH	-0.06
Gm20	36897467	36898466	Gmdrm	hypo	CHH	-0.0733
Gm20	36898468	36899466	Gmdrm	hypo	CHH	-0.0154
Gm20	36899474	36900472	Gmdrm	hypo	CHH	-0.0256
Gm20	36900475	36901470	Gmdrm	hypo	CHH	-0.0296
Gm20	36901493	36902493	Gmdrm	hypo	CHH	-0.0454
Gm20	36902494	36903298	Gmdrm	hypo	CHH	-0.0364
Gm20	36903498	36904458	Gmdrm	hypo	CHH	-0.0621
Gm20	36909629	36910613	Gmdrm	hypo	CHH	-0.0128
Gm20	36915275	36916275	Gmdrm	hypo	CHH	-0.0147
Gm20	36927812	36928807	Gmdrm	hypo	CHH	-0.0616
Gm20	36928831	36929829	Gmdrm	hypo	CHH	-0.0726
Gm20	36931433	36932283	Gmdrm	hypo	CHH	-0.014
Gm20	36939801	36940788	Gmdrm	hypo	CHH	-0.0451
Gm20	36943720	36944720	Gmdrm	hypo	CHH	-0.0492
Gm20	36948740	36949735	Gmdrm	hypo	CHH	-0.0164
Gm20	36949752	36950727	Gmdrm	hypo	CHH	-0.0234
Gm20	36951851	36952833	Gmdrm	hypo	CHH	-0.0153

Gm20	36954858	36955858	Gmdrm	hypo	CHH	-0.0943
Gm20	36955867	36956860	Gmdrm	hypo	CHH	-0.075
Gm20	36957877	36958868	Gmdrm	hypo	CHH	-0.334
Gm20	36958878	36959797	Gmdrm	hypo	CHH	-0.2224
Gm20	36962412	36963400	Gmdrm	hypo	CHH	-0.0191
Gm20	36965431	36966428	Gmdrm	hypo	CHH	-0.1454
Gm20	36971482	36972456	Gmdrm	hypo	CHH	-0.0543
Gm20	36976276	36976747	Gmdrm	hypo	CHH	-0.0304
Gm20	36996573	36997570	Gmdrm	hypo	CHH	-0.3899
Gm20	36997587	36998580	Gmdrm	hypo	CHH	-0.1207
Gm20	37011595	37012576	Gmdrm	hypo	CHH	-0.0123
Gm20	37028490	37028574	Gmdrm	hypo	CHH	-0.0316
Gm20	37029494	37029642	Gmdrm	hypo	CHH	-0.0612
Gm20	37039717	37040705	Gmdrm	hypo	CHH	-0.2376
Gm20	37040737	37041693	Gmdrm	hypo	CHH	-0.2461
Gm20	37042003	37043003	Gmdrm	hypo	CHH	-0.3209
Gm20	37043005	37043977	Gmdrm	hypo	CHH	-0.2217
Gm20	37052872	37053864	Gmdrm	hypo	CHH	-0.0388
Gm20	37054912	37055198	Gmdrm	hypo	CHH	-0.04
Gm20	37061940	37062695	Gmdrm	hypo	CHH	-0.0262
Gm20	37082041	37083015	Gmdrm	hypo	CHH	-0.0148
Gm20	37088808	37089751	Gmdrm	hypo	CHH	-0.0143
Gm20	37130738	37131723	Gmdrm	hypo	CHH	-0.0315
Gm20	37141806	37142711	Gmdrm	hypo	CHH	-0.0241
Gm20	37150927	37151867	Gmdrm	hypo	CHH	-0.0175
Gm20	37159458	37160445	Gmdrm	hypo	CHH	-0.022
Gm20	37160461	37161452	Gmdrm	hypo	CHH	-0.0115
Gm20	37166524	37167511	Gmdrm	hypo	CHH	-0.0182
Gm20	37180478	37181474	Gmdrm	hypo	CHH	-0.0136
Gm20	37189894	37190885	Gmdrm	hypo	CHH	-0.0525
Gm20	37190897	37191730	Gmdrm	hypo	CHH	-0.0193
Gm20	37193926	37193974	Gmdrm	hypo	CHH	-0.0629
Gm20	37202780	37203737	Gmdrm	hypo	CHH	-0.0772
Gm20	37204819	37205082	Gmdrm	hypo	CHH	-0.0217
Gm20	37216196	37217186	Gmdrm	hypo	CHH	-0.1303
Gm20	37217205	37218201	Gmdrm	hypo	CHH	-0.1058
Gm20	37221297	37222292	Gmdrm	hypo	CHH	-0.0174
Gm20	37224097	37224426	Gmdrm	hypo	CHH	-0.0243
Gm20	37228997	37229977	Gmdrm	hypo	CHH	-0.0212
Gm20	37233600	37234595	Gmdrm	hypo	CHH	-0.2611
Gm20	37234605	37235598	Gmdrm	hypo	CHH	-0.1053
Gm20	37246990	37247587	Gmdrm	hypo	CHH	-0.0893
Gm20	37247697	37248689	Gmdrm	hypo	CHH	-0.038
Gm20	37248896	37249043	Gmdrm	hypo	CHH	-0.0262
Gm20	37256268	37256426	Gmdrm	hypo	CHH	-0.1182
Gm20	37257141	37258140	Gmdrm	hypo	CHH	-0.0278

Gm20	37263466	37264461	Gmdrm	hypo	CHH	-0.0347
Gm20	37264470	37265470	Gmdrm	hypo	CHH	-0.0768
Gm20	37265473	37266472	Gmdrm	hypo	CHH	-0.0468
Gm20	37271491	37272481	Gmdrm	hypo	CHH	-0.0292
Gm20	37304438	37305438	Gmdrm	hypo	CHH	-0.1347
Gm20	37305442	37306409	Gmdrm	hypo	CHH	-0.0752
Gm20	37306455	37307431	Gmdrm	hypo	CHH	-0.054
Gm20	37309500	37310491	Gmdrm	hypo	CHH	-0.0515
Gm20	37311547	37312136	Gmdrm	hypo	CHH	-0.0166
Gm20	37313412	37314411	Gmdrm	hypo	CHH	-0.0151
Gm20	37325120	37326080	Gmdrm	hypo	CHH	-0.3838
Gm20	37328191	37329183	Gmdrm	hypo	CHH	-0.0151
Gm20	37329329	37329446	Gmdrm	hypo	CHH	-0.036
Gm20	37333622	37334622	Gmdrm	hypo	CHH	-0.021
Gm20	37342975	37343974	Gmdrm	hypo	CHH	-0.1327
Gm20	37343978	37344361	Gmdrm	hypo	CHH	-0.204
Gm20	37344510	37345509	Gmdrm	hypo	CHH	-0.0244
Gm20	37348572	37349572	Gmdrm	hypo	CHH	-0.0146
Gm20	37360135	37361134	Gmdrm	hypo	CHH	-0.021
Gm20	37363140	37364128	Gmdrm	hypo	CHH	-0.0198
Gm20	37365696	37366420	Gmdrm	hypo	CHH	-0.0202
Gm20	37372732	37372840	Gmdrm	hypo	CHH	-0.09
Gm20	37395822	37396819	Gmdrm	hypo	CHH	-0.0177
Gm20	37416835	37417567	Gmdrm	hypo	CHH	-0.0188
Gm20	37428963	37429961	Gmdrm	hypo	CHH	-0.0282
Gm20	37438650	37439648	Gmdrm	hypo	CHH	-0.1531
Gm20	37440674	37441665	Gmdrm	hypo	CHH	-0.0184
Gm20	37441716	37441806	Gmdrm	hypo	CHH	-0.0357
Gm20	37443614	37444611	Gmdrm	hypo	CHH	-0.0232
Gm20	37444615	37445604	Gmdrm	hypo	CHH	-0.0394
Gm20	37445620	37446183	Gmdrm	hypo	CHH	-0.0244
Gm20	37453125	37454125	Gmdrm	hypo	CHH	-0.113
Gm20	37456106	37457102	Gmdrm	hypo	CHH	-0.0727
Gm20	37457117	37457708	Gmdrm	hypo	CHH	-0.0601
Gm20	37470049	37471038	Gmdrm	hypo	CHH	-0.0166
Gm20	37472553	37473549	Gmdrm	hypo	CHH	-0.0108
Gm20	37480727	37481723	Gmdrm	hypo	CHH	-0.0126
Gm20	37484766	37485761	Gmdrm	hypo	CHH	-0.0244
Gm20	37496198	37497168	Gmdrm	hypo	CHH	-0.0151
Gm20	37500150	37501145	Gmdrm	hypo	CHH	-0.0161
Gm20	37508032	37508679	Gmdrm	hypo	CHH	-0.0203
Gm20	37540594	37541200	Gmdrm	hypo	CHH	-0.1769
Gm20	37560183	37561179	Gmdrm	hypo	CHH	-0.0768
Gm20	37578551	37579550	Gmdrm	hypo	CHH	-0.0127
Gm20	37583372	37584366	Gmdrm	hypo	CHH	-0.0523
Gm20	37584380	37585377	Gmdrm	hypo	CHH	-0.0174

Gm20	37606617	37607611	Gmdrm	hypo	CHH	-0.0186
Gm20	37607622	37608608	Gmdrm	hypo	CHH	-0.0156
Gm20	37613276	37614275	Gmdrm	hypo	CHH	-0.1432
Gm20	37614279	37615227	Gmdrm	hypo	CHH	-0.0555
Gm20	37620832	37621695	Gmdrm	hypo	CHH	-0.158
Gm20	37622353	37623344	Gmdrm	hypo	CHH	-0.061
Gm20	37640210	37641179	Gmdrm	hypo	CHH	-0.1189
Gm20	37646863	37647368	Gmdrm	hypo	CHH	-0.0479
Gm20	37651751	37652746	Gmdrm	hypo	CHH	-0.0713
Gm20	37652758	37653758	Gmdrm	hypo	CHH	-0.1062
Gm20	37657881	37658875	Gmdrm	hypo	CHH	-0.0203
Gm20	37664164	37665116	Gmdrm	hypo	CHH	-0.1014
Gm20	37666021	37666988	Gmdrm	hypo	CHH	-0.0191
Gm20	37672475	37673465	Gmdrm	hypo	CHH	-0.0447
Gm20	37673478	37674476	Gmdrm	hypo	CHH	-0.0454
Gm20	37674479	37675470	Gmdrm	hypo	CHH	-0.0398
Gm20	37675481	37675949	Gmdrm	hypo	CHH	-0.0285
Gm20	37677165	37677869	Gmdrm	hypo	CHH	-0.0189
Gm20	37689688	37690205	Gmdrm	hypo	CHH	-0.0435
Gm20	37704106	37705106	Gmdrm	hypo	CHH	-0.0609
Gm20	37705116	37705737	Gmdrm	hypo	CHH	-0.044
Gm20	37708957	37709930	Gmdrm	hypo	CHH	-0.1388
Gm20	37711299	37712296	Gmdrm	hypo	CHH	-0.019
Gm20	37712304	37713269	Gmdrm	hypo	CHH	-0.1043
Gm20	37719137	37720134	Gmdrm	hypo	CHH	-0.047
Gm20	37725124	37726116	Gmdrm	hypo	CHH	-0.0766
Gm20	37726653	37726705	Gmdrm	hypo	CHH	-0.065
Gm20	37726811	37727572	Gmdrm	hypo	CHH	-0.0222
Gm20	37736365	37737166	Gmdrm	hypo	CHH	-0.0188
Gm20	37749473	37750254	Gmdrm	hypo	CHH	-0.0375
Gm20	37752416	37753400	Gmdrm	hypo	CHH	-0.0109
Gm20	37753501	37754485	Gmdrm	hypo	CHH	-0.0198
Gm20	37765815	37766780	Gmdrm	hypo	CHH	-0.2024
Gm20	37768522	37768639	Gmdrm	hypo	CHH	-0.1171
Gm20	37768754	37769754	Gmdrm	hypo	CHH	-0.0561
Gm20	37771234	37772202	Gmdrm	hypo	CHH	-0.0477
Gm20	37776625	37777618	Gmdrm	hypo	CHH	-0.1252
Gm20	37777631	37778603	Gmdrm	hypo	CHH	-0.0254
Gm20	37784138	37785129	Gmdrm	hypo	CHH	-0.1527
Gm20	37787388	37788375	Gmdrm	hypo	CHH	-0.0537
Gm20	37789438	37790426	Gmdrm	hypo	CHH	-0.0917
Gm20	37790459	37791438	Gmdrm	hypo	CHH	-0.014
Gm20	37798165	37799150	Gmdrm	hypo	CHH	-0.0192
Gm20	37800019	37800629	Gmdrm	hypo	CHH	-0.0463
Gm20	37801936	37802913	Gmdrm	hypo	CHH	-0.0116
Gm20	37806341	37807327	Gmdrm	hypo	CHH	-0.0476

Gm20	37812862	37813862	Gmdrm	hypo	CHH	-0.0181
Gm20	37819136	37820135	Gmdrm	hypo	CHH	-0.0119
Gm20	37820140	37820825	Gmdrm	hypo	CHH	-0.0121
Gm20	37821973	37822781	Gmdrm	hypo	CHH	-0.0619
Gm20	37827764	37828734	Gmdrm	hypo	CHH	-0.0128
Gm20	37829795	37830017	Gmdrm	hypo	CHH	-0.0269
Gm20	37832084	37833083	Gmdrm	hypo	CHH	-0.0343
Gm20	37837929	37838926	Gmdrm	hypo	CHH	-0.0574
Gm20	37839968	37840962	Gmdrm	hypo	CHH	-0.0826
Gm20	37844106	37844928	Gmdrm	hypo	CHH	-0.0278
Gm20	37859034	37860029	Gmdrm	hypo	CHH	-0.0161
Gm20	37860057	37861054	Gmdrm	hypo	CHH	-0.0395
Gm20	37864913	37865910	Gmdrm	hypo	CHH	-0.0238
Gm20	37871990	37872939	Gmdrm	hypo	CHH	-0.0186
Gm20	37891794	37892634	Gmdrm	hypo	CHH	-0.1147
Gm20	37899286	37899559	Gmdrm	hypo	CHH	-0.0944
Gm20	37910451	37911420	Gmdrm	hypo	CHH	-0.042
Gm20	37912481	37913468	Gmdrm	hypo	CHH	-0.0117
Gm20	37922536	37923510	Gmdrm	hypo	CHH	-0.0092
Gm20	37930026	37930426	Gmdrm	hypo	CHH	-0.0377
Gm20	37933633	37934632	Gmdrm	hypo	CHH	-0.0204
Gm20	37935643	37936634	Gmdrm	hypo	CHH	-0.0518
Gm20	37937652	37938628	Gmdrm	hypo	CHH	-0.0305
Gm20	37939666	37940618	Gmdrm	hypo	CHH	-0.0384
Gm20	37943334	37944298	Gmdrm	hypo	CHH	-0.0206
Gm20	37956506	37957505	Gmdrm	hypo	CHH	-0.2056
Gm20	37957508	37958485	Gmdrm	hypo	CHH	-0.2671
Gm20	37987586	37988586	Gmdrm	hypo	CHH	-0.1019
Gm20	37988588	37989575	Gmdrm	hypo	CHH	-0.0525
Gm20	38000589	38001582	Gmdrm	hypo	CHH	-0.0257
Gm20	38007812	38007910	Gmdrm	hypo	CHH	-0.1133
Gm20	38008822	38009471	Gmdrm	hypo	CHH	-0.0734
Gm20	38016351	38016470	Gmdrm	hypo	CHH	-0.03
Gm20	38017352	38018351	Gmdrm	hypo	CHH	-0.0705
Gm20	38018353	38018823	Gmdrm	hypo	CHH	-0.204
Gm20	38020735	38020899	Gmdrm	hypo	CHH	-0.095
Gm20	38021136	38021697	Gmdrm	hypo	CHH	-0.2036
Gm20	38027021	38027835	Gmdrm	hypo	CHH	-0.0236
Gm20	38038787	38039777	Gmdrm	hypo	CHH	-0.0111
Gm20	38053749	38054715	Gmdrm	hypo	CHH	-0.0177
Gm20	38069001	38069976	Gmdrm	hypo	CHH	-0.039
Gm20	38076861	38077860	Gmdrm	hypo	CHH	-0.0207
Gm20	38077901	38078866	Gmdrm	hypo	CHH	-0.0601
Gm20	38078914	38079892	Gmdrm	hypo	CHH	-0.2382
Gm20	38079928	38080927	Gmdrm	hypo	CHH	-0.0642
Gm20	38085861	38086861	Gmdrm	hypo	CHH	-0.0245

Gm20	38086863	38087852	Gmdrm	hypo	CHH	-0.1964
Gm20	38087868	38088851	Gmdrm	hypo	CHH	-0.174
Gm20	38097023	38098019	Gmdrm	hypo	CHH	-0.2396
Gm20	38099064	38100036	Gmdrm	hypo	CHH	-0.1207
Gm20	38112443	38113439	Gmdrm	hypo	CHH	-0.1246
Gm20	38113449	38114449	Gmdrm	hypo	CHH	-0.1364
Gm20	38114453	38115439	Gmdrm	hypo	CHH	-0.1133
Gm20	38145974	38146972	Gmdrm	hypo	CHH	-0.0675
Gm20	38149697	38150669	Gmdrm	hypo	CHH	-0.2096
Gm20	38152801	38153801	Gmdrm	hypo	CHH	-0.0334
Gm20	38156926	38157738	Gmdrm	hypo	CHH	-0.109
Gm20	38165944	38166903	Gmdrm	hypo	CHH	-0.0435
Gm20	38185108	38185680	Gmdrm	hypo	CHH	-0.104
Gm20	38205586	38206555	Gmdrm	hypo	CHH	-0.142
Gm20	38207900	38208153	Gmdrm	hypo	CHH	-0.0258
Gm20	38222995	38223990	Gmdrm	hypo	CHH	-0.0435
Gm20	38223997	38224995	Gmdrm	hypo	CHH	-0.0424
Gm20	38245571	38246552	Gmdrm	hypo	CHH	-0.1956
Gm20	38265735	38266701	Gmdrm	hypo	CHH	-0.0146
Gm20	38268133	38269110	Gmdrm	hypo	CHH	-0.0129
Gm20	38269546	38270538	Gmdrm	hypo	CHH	-0.0138
Gm20	38294158	38294764	Gmdrm	hypo	CHH	-0.023
Gm20	38298992	38299989	Gmdrm	hypo	CHH	-0.14
Gm20	38306556	38307555	Gmdrm	hypo	CHH	-0.0125
Gm20	38312403	38313399	Gmdrm	hypo	CHH	-0.1125
Gm20	38313408	38314367	Gmdrm	hypo	CHH	-0.1665
Gm20	38327345	38327998	Gmdrm	hypo	CHH	-0.0134
Gm20	38343447	38343976	Gmdrm	hypo	CHH	-0.0338
Gm20	38355565	38356134	Gmdrm	hypo	CHH	-0.0479
Gm20	38363461	38364455	Gmdrm	hypo	CHH	-0.0161
Gm20	38364462	38365434	Gmdrm	hypo	CHH	-0.1668
Gm20	38366601	38367600	Gmdrm	hypo	CHH	-0.0095
Gm20	38367604	38368553	Gmdrm	hypo	CHH	-0.0217
Gm20	38370571	38371560	Gmdrm	hypo	CHH	-0.0167
Gm20	38378045	38378802	Gmdrm	hypo	CHH	-0.0318
Gm20	38380932	38381666	Gmdrm	hypo	CHH	-0.021
Gm20	38402318	38403307	Gmdrm	hypo	CHH	-0.0519
Gm20	38412245	38413244	Gmdrm	hypo	CHH	-0.0913
Gm20	38413246	38414243	Gmdrm	hypo	CHH	-0.1223
Gm20	38437582	38438580	Gmdrm	hypo	CHH	-0.2578
Gm20	38451904	38452899	Gmdrm	hypo	CHH	-0.1234
Gm20	38453908	38454903	Gmdrm	hypo	CHH	-0.0712
Gm20	38457488	38457741	Gmdrm	hypo	CHH	-0.0677
Gm20	38459897	38460893	Gmdrm	hypo	CHH	-0.068
Gm20	38461911	38462717	Gmdrm	hypo	CHH	-0.0897
Gm20	38466463	38467446	Gmdrm	hypo	CHH	-0.0204

Gm20	38473518	38474515	Gmdrm	hypo	CHH	-0.0094
Gm20	38477226	38478216	Gmdrm	hypo	CHH	-0.0176
Gm20	38478227	38478788	Gmdrm	hypo	CHH	-0.0829
Gm20	38480568	38481567	Gmdrm	hypo	CHH	-0.0451
Gm20	38481569	38482412	Gmdrm	hypo	CHH	-0.1853
Gm20	38492149	38493149	Gmdrm	hypo	CHH	-0.0391
Gm20	38493150	38494146	Gmdrm	hypo	CHH	-0.0175
Gm20	38499538	38500535	Gmdrm	hypo	CHH	-0.0167
Gm20	38500552	38501545	Gmdrm	hypo	CHH	-0.0258
Gm20	38505901	38506704	Gmdrm	hypo	CHH	-0.0203
Gm20	38506947	38507934	Gmdrm	hypo	CHH	-0.0257
Gm20	38510240	38511230	Gmdrm	hypo	CHH	-0.0766
Gm20	38511257	38512246	Gmdrm	hypo	CHH	-0.2225
Gm20	38519079	38519788	Gmdrm	hypo	CHH	-0.0324
Gm20	38531486	38532484	Gmdrm	hypo	CHH	-0.1555
Gm20	38532487	38533464	Gmdrm	hypo	CHH	-0.0564
Gm20	38545430	38546428	Gmdrm	hypo	CHH	-0.0416
Gm20	38546432	38547404	Gmdrm	hypo	CHH	-0.1199
Gm20	38549975	38550974	Gmdrm	hypo	CHH	-0.0157
Gm20	38550979	38551945	Gmdrm	hypo	CHH	-0.0313
Gm20	38556501	38557491	Gmdrm	hypo	CHH	-0.0338
Gm20	38557506	38557881	Gmdrm	hypo	CHH	-0.022
Gm20	38563352	38563618	Gmdrm	hypo	CHH	-0.046
Gm20	38584137	38584447	Gmdrm	hypo	CHH	-0.035
Gm20	38592196	38593184	Gmdrm	hypo	CHH	-0.1076
Gm20	38593207	38593425	Gmdrm	hypo	CHH	-0.085
Gm20	38595587	38596567	Gmdrm	hypo	CHH	-0.0237
Gm20	38597735	38598727	Gmdrm	hypo	CHH	-0.035
Gm20	38598742	38599735	Gmdrm	hypo	CHH	-0.0932
Gm20	38603130	38604130	Gmdrm	hypo	CHH	-0.0696
Gm20	38606411	38606562	Gmdrm	hypo	CHH	-0.0543
Gm20	38606707	38607122	Gmdrm	hypo	CHH	-0.0254
Gm20	38617747	38618552	Gmdrm	hypo	CHH	-0.1401
Gm20	38619789	38620788	Gmdrm	hypo	CHH	-0.1482
Gm20	38620790	38621060	Gmdrm	hypo	CHH	-0.1397
Gm20	38630793	38631788	Gmdrm	hypo	CHH	-0.0619
Gm20	38631799	38632797	Gmdrm	hypo	CHH	-0.0744
Gm20	38640865	38641865	Gmdrm	hypo	CHH	-0.1066
Gm20	38641866	38642367	Gmdrm	hypo	CHH	-0.2594
Gm20	38645491	38646486	Gmdrm	hypo	CHH	-0.0717
Gm20	38647511	38648293	Gmdrm	hypo	CHH	-0.0353
Gm20	38649573	38650570	Gmdrm	hypo	CHH	-0.0464
Gm20	38652087	38652822	Gmdrm	hypo	CHH	-0.1537
Gm20	38657332	38657929	Gmdrm	hypo	CHH	-0.0658
Gm20	38660037	38661014	Gmdrm	hypo	CHH	-0.0342
Gm20	38667188	38668095	Gmdrm	hypo	CHH	-0.0308

Gm20	38680439	38681159	Gmdrm	hypo	CHH	-0.0195
Gm20	38693311	38694308	Gmdrm	hypo	CHH	-0.1002
Gm20	38694312	38695311	Gmdrm	hypo	CHH	-0.1008
Gm20	38695317	38696311	Gmdrm	hypo	CHH	-0.0263
Gm20	38700419	38701417	Gmdrm	hypo	CHH	-0.0177
Gm20	38725310	38726300	Gmdrm	hypo	CHH	-0.1
Gm20	38726317	38727309	Gmdrm	hypo	CHH	-0.056
Gm20	38734406	38735403	Gmdrm	hypo	CHH	-0.1237
Gm20	38739617	38739859	Gmdrm	hypo	CHH	-0.0604
Gm20	38741040	38741201	Gmdrm	hypo	CHH	-0.0434
Gm20	38745320	38746297	Gmdrm	hypo	CHH	-0.0261
Gm20	38746329	38747328	Gmdrm	hypo	CHH	-0.1103
Gm20	38747355	38748350	Gmdrm	hypo	CHH	-0.0201
Gm20	38762109	38762355	Gmdrm	hypo	CHH	-0.0282
Gm20	38774087	38775073	Gmdrm	hypo	CHH	-0.1813
Gm20	38777677	38778655	Gmdrm	hypo	CHH	-0.0186
Gm20	38804130	38805115	Gmdrm	hypo	CHH	-0.0388
Gm20	38806221	38807098	Gmdrm	hypo	CHH	-0.1084
Gm20	38808219	38809129	Gmdrm	hypo	CHH	-0.0194
Gm20	38809789	38810789	Gmdrm	hypo	CHH	-0.105
Gm20	38810798	38811796	Gmdrm	hypo	CHH	-0.0636
Gm20	38813286	38813953	Gmdrm	hypo	CHH	-0.0694
Gm20	38815771	38816754	Gmdrm	hypo	CHH	-0.0177
Gm20	38817682	38818658	Gmdrm	hypo	CHH	-0.0335
Gm20	38818723	38819367	Gmdrm	hypo	CHH	-0.0142
Gm20	38819471	38820446	Gmdrm	hypo	CHH	-0.0106
Gm20	38822540	38823539	Gmdrm	hypo	CHH	-0.1156
Gm20	38823551	38824550	Gmdrm	hypo	CHH	-0.0227
Gm20	38826518	38827506	Gmdrm	hypo	CHH	-0.1243
Gm20	38829617	38830603	Gmdrm	hypo	CHH	-0.0561
Gm20	38833292	38834288	Gmdrm	hypo	CHH	-0.0337
Gm20	38837291	38838272	Gmdrm	hypo	CHH	-0.0218
Gm20	38838297	38838388	Gmdrm	hypo	CHH	-0.0814
Gm20	38853055	38854052	Gmdrm	hypo	CHH	-0.0458
Gm20	38859996	38860932	Gmdrm	hypo	CHH	-0.0146
Gm20	38866140	38867133	Gmdrm	hypo	CHH	-0.0195
Gm20	38869565	38870565	Gmdrm	hypo	CHH	-0.0594
Gm20	38870567	38871051	Gmdrm	hypo	CHH	-0.0882
Gm20	38874245	38875244	Gmdrm	hypo	CHH	-0.117
Gm20	38875247	38876225	Gmdrm	hypo	CHH	-0.048
Gm20	38877266	38877929	Gmdrm	hypo	CHH	-0.0417
Gm20	38891555	38891818	Gmdrm	hypo	CHH	-0.0317
Gm20	38895463	38896462	Gmdrm	hypo	CHH	-0.1044
Gm20	38896467	38897451	Gmdrm	hypo	CHH	-0.0396
Gm20	38911719	38912713	Gmdrm	hypo	CHH	-0.0212
Gm20	38941468	38941670	Gmdrm	hypo	CHH	-0.04

Gm20	38941810	38942810	Gmdrm	hypo	CHH	-0.0235
Gm20	38948979	38949974	Gmdrm	hypo	CHH	-0.0672
Gm20	38988518	38989079	Gmdrm	hypo	CHH	-0.0632
Gm20	38990290	38991254	Gmdrm	hypo	CHH	-0.0157
Gm20	39004773	39005768	Gmdrm	hypo	CHH	-0.1607
Gm20	39005775	39006766	Gmdrm	hypo	CHH	-0.12
Gm20	39007794	39007873	Gmdrm	hypo	CHH	-0.072
Gm20	39020179	39021142	Gmdrm	hypo	CHH	-0.0455
Gm20	39032297	39033270	Gmdrm	hypo	CHH	-0.0155
Gm20	39035396	39035690	Gmdrm	hypo	CHH	-0.048
Gm20	39036810	39037798	Gmdrm	hypo	CHH	-0.0182
Gm20	39038844	39039822	Gmdrm	hypo	CHH	-0.034
Gm20	39054023	39055023	Gmdrm	hypo	CHH	-0.0149
Gm20	39055025	39056006	Gmdrm	hypo	CHH	-0.0751
Gm20	39067970	39068967	Gmdrm	hypo	CHH	-0.0958
Gm20	39069001	39069973	Gmdrm	hypo	CHH	-0.1186
Gm20	39081940	39082923	Gmdrm	hypo	CHH	-0.0625
Gm20	39085430	39086424	Gmdrm	hypo	CHH	-0.0469
Gm20	39104573	39105566	Gmdrm	hypo	CHH	-0.2883
Gm20	39105577	39106548	Gmdrm	hypo	CHH	-0.0478
Gm20	39124015	39125005	Gmdrm	hypo	CHH	-0.111
Gm20	39125022	39125962	Gmdrm	hypo	CHH	-0.0391
Gm20	39129195	39130151	Gmdrm	hypo	CHH	-0.0134
Gm20	39130213	39130676	Gmdrm	hypo	CHH	-0.0296
Gm20	39148378	39149378	Gmdrm	hypo	CHH	-0.0128
Gm20	39149380	39150370	Gmdrm	hypo	CHH	-0.0233
Gm20	39169505	39170488	Gmdrm	hypo	CHH	-0.0205
Gm20	39172547	39173538	Gmdrm	hypo	CHH	-0.0175
Gm20	39175722	39176719	Gmdrm	hypo	CHH	-0.1816
Gm20	39177202	39178193	Gmdrm	hypo	CHH	-0.0153
Gm20	39183374	39184365	Gmdrm	hypo	CHH	-0.0333
Gm20	39184375	39185364	Gmdrm	hypo	CHH	-0.1598
Gm20	39185381	39186299	Gmdrm	hypo	CHH	-0.0873
Gm20	39196758	39197756	Gmdrm	hypo	CHH	-0.0121
Gm20	39201798	39202274	Gmdrm	hypo	CHH	-0.0287
Gm20	39203434	39204434	Gmdrm	hypo	CHH	-0.0182
Gm20	39208056	39209056	Gmdrm	hypo	CHH	-0.0212
Gm20	39209079	39210026	Gmdrm	hypo	CHH	-0.1111
Gm20	39215972	39216423	Gmdrm	hypo	CHH	-0.0215
Gm20	39231686	39232686	Gmdrm	hypo	CHH	-0.1679
Gm20	39232693	39233472	Gmdrm	hypo	CHH	-0.1723
Gm20	39234582	39235283	Gmdrm	hypo	CHH	-0.0283
Gm20	39236402	39236562	Gmdrm	hypo	CHH	-0.0465
Gm20	39236663	39237639	Gmdrm	hypo	CHH	-0.0131
Gm20	39245044	39245971	Gmdrm	hypo	CHH	-0.014
Gm20	39263601	39264290	Gmdrm	hypo	CHH	-0.0179

Gm20	39267520	39268498	Gmdrm	hypo	CHH	-0.0149
Gm20	39270574	39271394	Gmdrm	hypo	CHH	-0.0176
Gm20	39280514	39281508	Gmdrm	hypo	CHH	-0.0205
Gm20	39298273	39299272	Gmdrm	hypo	CHH	-0.0254
Gm20	39299435	39300432	Gmdrm	hypo	CHH	-0.1978
Gm20	39300440	39301438	Gmdrm	hypo	CHH	-0.0658
Gm20	39306944	39307942	Gmdrm	hypo	CHH	-0.0611
Gm20	39314066	39315025	Gmdrm	hypo	CHH	-0.0109
Gm20	39341315	39342300	Gmdrm	hypo	CHH	-0.0638
Gm20	39342337	39343335	Gmdrm	hypo	CHH	-0.0132
Gm20	39348772	39349765	Gmdrm	hypo	CHH	-0.0654
Gm20	39349783	39350437	Gmdrm	hypo	CHH	-0.0447
Gm20	39350564	39351055	Gmdrm	hypo	CHH	-0.1416
Gm20	39351160	39352095	Gmdrm	hypo	CHH	-0.0288
Gm20	39354016	39354617	Gmdrm	hypo	CHH	-0.1066
Gm20	39361916	39362856	Gmdrm	hypo	CHH	-0.0171
Gm20	39364692	39365688	Gmdrm	hypo	CHH	-0.0907
Gm20	39368747	39369746	Gmdrm	hypo	CHH	-0.0309
Gm20	39369765	39370763	Gmdrm	hypo	CHH	-0.1493
Gm20	39380825	39381824	Gmdrm	hypo	CHH	-0.039
Gm20	39381866	39382856	Gmdrm	hypo	CHH	-0.0557
Gm20	39387072	39388065	Gmdrm	hypo	CHH	-0.0191
Gm20	39400511	39401431	Gmdrm	hypo	CHH	-0.0769
Gm20	39410318	39411257	Gmdrm	hypo	CHH	-0.0163
Gm20	39416859	39417844	Gmdrm	hypo	CHH	-0.0123
Gm20	39420429	39421364	Gmdrm	hypo	CHH	-0.0331
Gm20	39422455	39423445	Gmdrm	hypo	CHH	-0.0358
Gm20	39435890	39436874	Gmdrm	hypo	CHH	-0.0886
Gm20	39455826	39456818	Gmdrm	hypo	CHH	-0.0157
Gm20	39464532	39465521	Gmdrm	hypo	CHH	-0.0523
Gm20	39472921	39473357	Gmdrm	hypo	CHH	-0.0427
Gm20	39479195	39480186	Gmdrm	hypo	CHH	-0.0333
Gm20	39492225	39493206	Gmdrm	hypo	CHH	-0.031
Gm20	39495051	39496037	Gmdrm	hypo	CHH	-0.0382
Gm20	39496065	39497038	Gmdrm	hypo	CHH	-0.0958
Gm20	39498445	39499407	Gmdrm	hypo	CHH	-0.0214
Gm20	39503985	39504205	Gmdrm	hypo	CHH	-0.04
Gm20	39504545	39505543	Gmdrm	hypo	CHH	-0.0147
Gm20	39523190	39524165	Gmdrm	hypo	CHH	-0.0929
Gm20	39531061	39531307	Gmdrm	hypo	CHH	-0.0465
Gm20	39545550	39546536	Gmdrm	hypo	CHH	-0.0764
Gm20	39547449	39548152	Gmdrm	hypo	CHH	-0.3979
Gm20	39551052	39552048	Gmdrm	hypo	CHH	-0.0344
Gm20	39565085	39565279	Gmdrm	hypo	CHH	-0.0541
Gm20	39594798	39595798	Gmdrm	hypo	CHH	-0.083
Gm20	39610373	39611370	Gmdrm	hypo	CHH	-0.0151

Gm20	39615241	39615682	Gmdrm	hypo	CHH	-0.0341
Gm20	39624001	39624991	Gmdrm	hypo	CHH	-0.1376
Gm20	39625015	39625505	Gmdrm	hypo	CHH	-0.145
Gm20	39628771	39629590	Gmdrm	hypo	CHH	-0.02
Gm20	39632958	39633956	Gmdrm	hypo	CHH	-0.0113
Gm20	39635992	39636988	Gmdrm	hypo	CHH	-0.0163
Gm20	39642190	39642499	Gmdrm	hypo	CHH	-0.0318
Gm20	39644722	39645721	Gmdrm	hypo	CHH	-0.1668
Gm20	39647956	39648955	Gmdrm	hypo	CHH	-0.025
Gm20	39648961	39649955	Gmdrm	hypo	CHH	-0.0755
Gm20	39656294	39657275	Gmdrm	hypo	CHH	-0.0466
Gm20	39657316	39658301	Gmdrm	hypo	CHH	-0.0513
Gm20	39658339	39658757	Gmdrm	hypo	CHH	-0.0526
Gm20	39670353	39671353	Gmdrm	hypo	CHH	-0.0178
Gm20	39676108	39676366	Gmdrm	hypo	CHH	-0.0531
Gm20	39689970	39690112	Gmdrm	hypo	CHH	-0.0314
Gm20	39731690	39732690	Gmdrm	hypo	CHH	-0.156
Gm20	39739188	39740185	Gmdrm	hypo	CHH	-0.2167
Gm20	39740191	39740589	Gmdrm	hypo	CHH	-0.1453
Gm20	39750451	39751419	Gmdrm	hypo	CHH	-0.0539
Gm20	39758824	39759821	Gmdrm	hypo	CHH	-0.0185
Gm20	39759827	39760541	Gmdrm	hypo	CHH	-0.1322
Gm20	39772744	39772802	Gmdrm	hypo	CHH	-0.0338
Gm20	39780518	39781501	Gmdrm	hypo	CHH	-0.1339
Gm20	39786537	39787530	Gmdrm	hypo	CHH	-0.0239
Gm20	39797998	39798859	Gmdrm	hypo	CHH	-0.1027
Gm20	39809648	39810641	Gmdrm	hypo	CHH	-0.0102
Gm20	39823864	39824844	Gmdrm	hypo	CHH	-0.019
Gm20	39825879	39826812	Gmdrm	hypo	CHH	-0.0678
Gm20	39837730	39838724	Gmdrm	hypo	CHH	-0.0372
Gm20	39838732	39839727	Gmdrm	hypo	CHH	-0.0866
Gm20	39839753	39840745	Gmdrm	hypo	CHH	-0.0455
Gm20	39852525	39853512	Gmdrm	hypo	CHH	-0.0441
Gm20	39853526	39854523	Gmdrm	hypo	CHH	-0.0375
Gm20	39854529	39855529	Gmdrm	hypo	CHH	-0.0608
Gm20	39858777	39859773	Gmdrm	hypo	CHH	-0.0215
Gm20	39865502	39866500	Gmdrm	hypo	CHH	-0.0454
Gm20	39866506	39867478	Gmdrm	hypo	CHH	-0.0387
Gm20	39871150	39871845	Gmdrm	hypo	CHH	-0.0332
Gm20	39871957	39872953	Gmdrm	hypo	CHH	-0.0245
Gm20	39876616	39877604	Gmdrm	hypo	CHH	-0.132
Gm20	39917129	39918125	Gmdrm	hypo	CHH	-0.0174
Gm20	39928336	39929311	Gmdrm	hypo	CHH	-0.0308
Gm20	39942026	39942283	Gmdrm	hypo	CHH	-0.0175
Gm20	39943190	39944181	Gmdrm	hypo	CHH	-0.0578
Gm20	39950257	39951244	Gmdrm	hypo	CHH	-0.1599

Gm20	39959807	39960801	Gmdrm	hypo	CHH	-0.1239
Gm20	39963642	39963948	Gmdrm	hypo	CHH	-0.1
Gm20	39967479	39968474	Gmdrm	hypo	CHH	-0.037
Gm20	39977186	39977676	Gmdrm	hypo	CHH	-0.0277
Gm20	39979826	39979894	Gmdrm	hypo	CHH	-0.0886
Gm20	39991391	39991629	Gmdrm	hypo	CHH	-0.0255
Gm20	40000546	40001536	Gmdrm	hypo	CHH	-0.1401
Gm20	40002613	40003602	Gmdrm	hypo	CHH	-0.0112
Gm20	40004657	40005604	Gmdrm	hypo	CHH	-0.1252
Gm20	40008281	40008936	Gmdrm	hypo	CHH	-0.0267
Gm20	40018535	40019516	Gmdrm	hypo	CHH	-0.0643
Gm20	40019537	40020523	Gmdrm	hypo	CHH	-0.0673
Gm20	40022664	40023644	Gmdrm	hypo	CHH	-0.0158
Gm20	40030290	40031280	Gmdrm	hypo	CHH	-0.0288
Gm20	40036149	40036537	Gmdrm	hypo	CHH	-0.02
Gm20	40036671	40037666	Gmdrm	hypo	CHH	-0.0222
Gm20	40043814	40044763	Gmdrm	hypo	CHH	-0.0947
Gm20	40047264	40047387	Gmdrm	hypo	CHH	-0.0286
Gm20	40049413	40050387	Gmdrm	hypo	CHH	-0.0128
Gm20	40053446	40054441	Gmdrm	hypo	CHH	-0.1099
Gm20	40057918	40058907	Gmdrm	hypo	CHH	-0.0389
Gm20	40058921	40059904	Gmdrm	hypo	CHH	-0.0496
Gm20	40061960	40062753	Gmdrm	hypo	CHH	-0.0421
Gm20	40065793	40066793	Gmdrm	hypo	CHH	-0.02
Gm20	40070330	40071298	Gmdrm	hypo	CHH	-0.2177
Gm20	40075714	40075914	Gmdrm	hypo	CHH	-0.1246
Gm20	40078149	40078959	Gmdrm	hypo	CHH	-0.016
Gm20	40081688	40082680	Gmdrm	hypo	CHH	-0.0196
Gm20	40082696	40083079	Gmdrm	hypo	CHH	-0.0995
Gm20	40083468	40084454	Gmdrm	hypo	CHH	-0.117
Gm20	40084877	40085874	Gmdrm	hypo	CHH	-0.0307
Gm20	40085897	40086222	Gmdrm	hypo	CHH	-0.08
Gm20	40096774	40097657	Gmdrm	hypo	CHH	-0.0212
Gm20	40101247	40102210	Gmdrm	hypo	CHH	-0.0137
Gm20	40102255	40103246	Gmdrm	hypo	CHH	-0.1379
Gm20	40104327	40105319	Gmdrm	hypo	CHH	-0.0219
Gm20	40106436	40107373	Gmdrm	hypo	CHH	-0.0148
Gm20	40107442	40108400	Gmdrm	hypo	CHH	-0.1501
Gm20	40115793	40116780	Gmdrm	hypo	CHH	-0.0191
Gm20	40119847	40120828	Gmdrm	hypo	CHH	-0.0123
Gm20	40124930	40125930	Gmdrm	hypo	CHH	-0.0774
Gm20	40125974	40126722	Gmdrm	hypo	CHH	-0.0681
Gm20	40134297	40135289	Gmdrm	hypo	CHH	-0.2098
Gm20	40155431	40156428	Gmdrm	hypo	CHH	-0.014
Gm20	40161977	40162216	Gmdrm	hypo	CHH	-0.0528
Gm20	40166694	40167687	Gmdrm	hypo	CHH	-0.0297

Gm20	40180768	40181269	Gmdrm	hypo	CHH	-0.0976
Gm20	40182868	40183828	Gmdrm	hypo	CHH	-0.0543
Gm20	40186116	40187114	Gmdrm	hypo	CHH	-0.0193
Gm20	40188146	40189145	Gmdrm	hypo	CHH	-0.0692
Gm20	40189155	40190150	Gmdrm	hypo	CHH	-0.0242
Gm20	40190157	40191157	Gmdrm	hypo	CHH	-0.0949
Gm20	40191158	40191894	Gmdrm	hypo	CHH	-0.0807
Gm20	40192022	40193021	Gmdrm	hypo	CHH	-0.3263
Gm20	40194237	40194541	Gmdrm	hypo	CHH	-0.0352
Gm20	40198931	40199894	Gmdrm	hypo	CHH	-0.0478
Gm20	40201948	40202933	Gmdrm	hypo	CHH	-0.0576
Gm20	40203959	40204943	Gmdrm	hypo	CHH	-0.0361
Gm20	40215419	40215992	Gmdrm	hypo	CHH	-0.0216
Gm20	40216662	40217645	Gmdrm	hypo	CHH	-0.0748
Gm20	40217663	40218663	Gmdrm	hypo	CHH	-0.036
Gm20	40220087	40221050	Gmdrm	hypo	CHH	-0.0236
Gm20	40224340	40225300	Gmdrm	hypo	CHH	-0.0718
Gm20	40225998	40226993	Gmdrm	hypo	CHH	-0.1858
Gm20	40228016	40229009	Gmdrm	hypo	CHH	-0.1641
Gm20	40229019	40230011	Gmdrm	hypo	CHH	-0.1479
Gm20	40234273	40235272	Gmdrm	hypo	CHH	-0.0193
Gm20	40235322	40236322	Gmdrm	hypo	CHH	-0.0425
Gm20	40236329	40237327	Gmdrm	hypo	CHH	-0.3011
Gm20	40239368	40240364	Gmdrm	hypo	CHH	-0.0268
Gm20	40242971	40243962	Gmdrm	hypo	CHH	-0.0126
Gm20	40254268	40255253	Gmdrm	hypo	CHH	-0.0177
Gm20	40255278	40256276	Gmdrm	hypo	CHH	-0.0236
Gm20	40259077	40260058	Gmdrm	hypo	CHH	-0.1217
Gm20	40278018	40278992	Gmdrm	hypo	CHH	-0.0259
Gm20	40279022	40280021	Gmdrm	hypo	CHH	-0.2887
Gm20	40280028	40280332	Gmdrm	hypo	CHH	-0.477
Gm20	40286101	40287096	Gmdrm	hypo	CHH	-0.0357
Gm20	40287102	40287888	Gmdrm	hypo	CHH	-0.0586
Gm20	40288404	40288468	Gmdrm	hypo	CHH	-0.116
Gm20	40293098	40294087	Gmdrm	hypo	CHH	-0.0185
Gm20	40297087	40298065	Gmdrm	hypo	CHH	-0.3551
Gm20	40306577	40307573	Gmdrm	hypo	CHH	-0.0618
Gm20	40307578	40308203	Gmdrm	hypo	CHH	-0.0269
Gm20	40309894	40310891	Gmdrm	hypo	CHH	-0.0708
Gm20	40310897	40311885	Gmdrm	hypo	CHH	-0.0739
Gm20	40312925	40313923	Gmdrm	hypo	CHH	-0.0547
Gm20	40313926	40314914	Gmdrm	hypo	CHH	-0.1068
Gm20	40317246	40318246	Gmdrm	hypo	CHH	-0.1554
Gm20	40318271	40319269	Gmdrm	hypo	CHH	-0.069
Gm20	40328102	40329092	Gmdrm	hypo	CHH	-0.0153
Gm20	40332109	40333102	Gmdrm	hypo	CHH	-0.0547

Gm20	40335958	40336863	Gmdrm	hypo	CHH	-0.0241
Gm20	40352768	40353765	Gmdrm	hypo	CHH	-0.0187
Gm20	40353795	40354794	Gmdrm	hypo	CHH	-0.034
Gm20	40354800	40355797	Gmdrm	hypo	CHH	-0.0631
Gm20	40371882	40372862	Gmdrm	hypo	CHH	-0.0466
Gm20	40379651	40380624	Gmdrm	hypo	CHH	-0.0531
Gm20	40386673	40387672	Gmdrm	hypo	CHH	-0.0087
Gm20	40387690	40388688	Gmdrm	hypo	CHH	-0.0462
Gm20	40388700	40389698	Gmdrm	hypo	CHH	-0.0688
Gm20	40424384	40424489	Gmdrm	hypo	CHH	-0.0512
Gm20	40425618	40426618	Gmdrm	hypo	CHH	-0.074
Gm20	40426619	40427617	Gmdrm	hypo	CHH	-0.1285
Gm20	40427622	40428608	Gmdrm	hypo	CHH	-0.0721
Gm20	40428626	40429614	Gmdrm	hypo	CHH	-0.0248
Gm20	40429627	40430603	Gmdrm	hypo	CHH	-0.0128
Gm20	40440279	40441277	Gmdrm	hypo	CHH	-0.0581
Gm20	40442303	40443303	Gmdrm	hypo	CHH	-0.1414
Gm20	40443306	40444296	Gmdrm	hypo	CHH	-0.2886
Gm20	40444308	40445287	Gmdrm	hypo	CHH	-0.0129
Gm20	40446342	40447334	Gmdrm	hypo	CHH	-0.0178
Gm20	40447360	40448358	Gmdrm	hypo	CHH	-0.122
Gm20	40456035	40456532	Gmdrm	hypo	CHH	-0.093
Gm20	40467438	40468437	Gmdrm	hypo	CHH	-0.0115
Gm20	40488199	40489165	Gmdrm	hypo	CHH	-0.0278
Gm20	40494988	40495297	Gmdrm	hypo	CHH	-0.02
Gm20	40518216	40519202	Gmdrm	hypo	CHH	-0.3945
Gm20	40528246	40529243	Gmdrm	hypo	CHH	-0.278
Gm20	40531284	40532279	Gmdrm	hypo	CHH	-0.1187
Gm20	40532761	40533761	Gmdrm	hypo	CHH	-0.091
Gm20	40533764	40534764	Gmdrm	hypo	CHH	-0.0303
Gm20	40545401	40546354	Gmdrm	hypo	CHH	-0.0123
Gm20	40551453	40551656	Gmdrm	hypo	CHH	-0.025
Gm20	40556616	40557614	Gmdrm	hypo	CHH	-0.1548
Gm20	40557658	40558632	Gmdrm	hypo	CHH	-0.0161
Gm20	40562095	40563082	Gmdrm	hypo	CHH	-0.0365
Gm20	40563098	40564092	Gmdrm	hypo	CHH	-0.0495
Gm20	40564441	40565433	Gmdrm	hypo	CHH	-0.2374
Gm20	40576538	40577186	Gmdrm	hypo	CHH	-0.029
Gm20	40596595	40597581	Gmdrm	hypo	CHH	-0.0626
Gm20	40604652	40605599	Gmdrm	hypo	CHH	-0.0164
Gm20	40607306	40608298	Gmdrm	hypo	CHH	-0.181
Gm20	40608319	40608357	Gmdrm	hypo	CHH	-0.1618
Gm20	40617420	40618397	Gmdrm	hypo	CHH	-0.0157
Gm20	40625891	40626863	Gmdrm	hypo	CHH	-0.0203
Gm20	40628864	40629131	Gmdrm	hypo	CHH	-0.04
Gm20	40633786	40634020	Gmdrm	hypo	CHH	-0.0663

Gm20	40649016	40649559	Gmdrm	hypo	CHH	-0.275
Gm20	40649696	40650693	Gmdrm	hypo	CHH	-0.1057
Gm20	40651813	40652742	Gmdrm	hypo	CHH	-0.0421
Gm20	40658010	40659006	Gmdrm	hypo	CHH	-0.1657
Gm20	40665785	40666006	Gmdrm	hypo	CHH	-0.0254
Gm20	40667115	40667868	Gmdrm	hypo	CHH	-0.0202
Gm20	40669157	40670157	Gmdrm	hypo	CHH	-0.0132
Gm20	40676013	40676558	Gmdrm	hypo	CHH	-0.0234
Gm20	40683748	40684747	Gmdrm	hypo	CHH	-0.1206
Gm20	40684749	40685748	Gmdrm	hypo	CHH	-0.1577
Gm20	40689587	40690570	Gmdrm	hypo	CHH	-0.0181
Gm20	40704810	40705229	Gmdrm	hypo	CHH	-0.0296
Gm20	40723360	40724353	Gmdrm	hypo	CHH	-0.0319
Gm20	40733482	40734477	Gmdrm	hypo	CHH	-0.0465
Gm20	40742089	40743082	Gmdrm	hypo	CHH	-0.1032
Gm20	40743092	40744085	Gmdrm	hypo	CHH	-0.0636
Gm20	40744096	40745071	Gmdrm	hypo	CHH	-0.0375
Gm20	40758080	40758724	Gmdrm	hypo	CHH	-0.0381
Gm20	40762665	40763639	Gmdrm	hypo	CHH	-0.0808
Gm20	40768687	40769677	Gmdrm	hypo	CHH	-0.073
Gm20	40771723	40772556	Gmdrm	hypo	CHH	-0.0136
Gm20	40782095	40783087	Gmdrm	hypo	CHH	-0.0741
Gm20	40783096	40783910	Gmdrm	hypo	CHH	-0.1693
Gm20	40787122	40788121	Gmdrm	hypo	CHH	-0.0163
Gm20	40821964	40822963	Gmdrm	hypo	CHH	-0.0258
Gm20	40832552	40833535	Gmdrm	hypo	CHH	-0.0251
Gm20	40833560	40834532	Gmdrm	hypo	CHH	-0.1009
Gm20	40834574	40835552	Gmdrm	hypo	CHH	-0.0222
Gm20	40843755	40844755	Gmdrm	hypo	CHH	-0.0178
Gm20	40846944	40847937	Gmdrm	hypo	CHH	-0.0161
Gm20	40848811	40849809	Gmdrm	hypo	CHH	-0.0197
Gm20	40856426	40857417	Gmdrm	hypo	CHH	-0.1011
Gm20	40857450	40858391	Gmdrm	hypo	CHH	-0.0467
Gm20	40863510	40864500	Gmdrm	hypo	CHH	-0.0872
Gm20	40902817	40903803	Gmdrm	hypo	CHH	-0.0265
Gm20	40926394	40927369	Gmdrm	hypo	CHH	-0.0291
Gm20	40927403	40928399	Gmdrm	hypo	CHH	-0.0159
Gm20	40935378	40936374	Gmdrm	hypo	CHH	-0.1328
Gm20	40936399	40937391	Gmdrm	hypo	CHH	-0.0617
Gm20	40937428	40938423	Gmdrm	hypo	CHH	-0.0272
Gm20	40943981	40944929	Gmdrm	hypo	CHH	-0.0466
Gm20	40944993	40945991	Gmdrm	hypo	CHH	-0.0389
Gm20	40945994	40946990	Gmdrm	hypo	CHH	-0.1648
Gm20	40955338	40956331	Gmdrm	hypo	CHH	-0.0112
Gm20	40965141	40966132	Gmdrm	hypo	CHH	-0.0221
Gm20	40967968	40968942	Gmdrm	hypo	CHH	-0.0194

Gm20	40969007	40970000 Gmdrm	hypo	CHH	-0.1287
Gm20	40972029	40972284 Gmdrm	hypo	CHH	-0.053
Gm20	40978939	40978986 Gmdrm	hypo	CHH	-0.0717
Gm20	40982494	40983469 Gmdrm	hypo	CHH	-0.1069
Gm20	40993909	40994603 Gmdrm	hypo	CHH	-0.0189
Gm20	40997955	40998931 Gmdrm	hypo	CHH	-0.2398
Gm20	41005334	41006321 Gmdrm	hypo	CHH	-0.0814
Gm20	41006344	41007297 Gmdrm	hypo	CHH	-0.0495
Gm20	41007360	41008356 Gmdrm	hypo	CHH	-0.1047
Gm20	41027092	41028078 Gmdrm	hypo	CHH	-0.0565
Gm20	41028121	41029033 Gmdrm	hypo	CHH	-0.032
Gm20	41062558	41063552 Gmdrm	hypo	CHH	-0.0439
Gm20	41065591	41066580 Gmdrm	hypo	CHH	-0.0329
Gm20	41066630	41067331 Gmdrm	hypo	CHH	-0.0249
Gm20	41081381	41082360 Gmdrm	hypo	CHH	-0.0424
Gm20	41095440	41096401 Gmdrm	hypo	CHH	-0.0192
Gm20	41096504	41097501 Gmdrm	hypo	CHH	-0.0371
Gm20	41105045	41106035 Gmdrm	hypo	CHH	-0.0335
Gm20	41106047	41107039 Gmdrm	hypo	CHH	-0.1336
Gm20	41109907	41110890 Gmdrm	hypo	CHH	-0.0201
Gm20	41119990	41120988 Gmdrm	hypo	CHH	-0.0425
Gm20	41127441	41128441 Gmdrm	hypo	CHH	-0.0178
Gm20	41128442	41129442 Gmdrm	hypo	CHH	-0.2461
Gm20	41131512	41132089 Gmdrm	hypo	CHH	-0.0362
Gm20	41132651	41133650 Gmdrm	hypo	CHH	-0.0295
Gm20	41143273	41143856 Gmdrm	hypo	CHH	-0.0247
Gm20	41147128	41148123 Gmdrm	hypo	CHH	-0.0108
Gm20	41152926	41153900 Gmdrm	hypo	CHH	-0.0108
Gm20	41161986	41162961 Gmdrm	hypo	CHH	-0.0214
Gm20	41170084	41171058 Gmdrm	hypo	CHH	-0.02
Gm20	41171104	41172094 Gmdrm	hypo	CHH	-0.0943
Gm20	41180536	41181483 Gmdrm	hypo	CHH	-0.1648
Gm20	41188711	41189688 Gmdrm	hypo	CHH	-0.0106
Gm20	41199579	41200579 Gmdrm	hypo	CHH	-0.0265
Gm20	41208113	41209109 Gmdrm	hypo	CHH	-0.0172
Gm20	41219019	41219996 Gmdrm	hypo	CHH	-0.0102
Gm20	41228095	41229079 Gmdrm	hypo	CHH	-0.027
Gm20	41229111	41229863 Gmdrm	hypo	CHH	-0.2147
Gm20	41230175	41230274 Gmdrm	hypo	CHH	-0.1464
Gm20	41230393	41231370 Gmdrm	hypo	CHH	-0.2609
Gm20	41231619	41232609 Gmdrm	hypo	CHH	-0.2044
Gm20	41241143	41242121 Gmdrm	hypo	CHH	-0.028
Gm20	41244615	41245612 Gmdrm	hypo	CHH	-0.2525
Gm20	41246764	41247762 Gmdrm	hypo	CHH	-0.0117
Gm20	41248783	41249780 Gmdrm	hypo	CHH	-0.0203
Gm20	41265253	41266252 Gmdrm	hypo	CHH	-0.0793

Gm20	41272434	41273269	Gmdrm	hypo	CHH	-0.061
Gm20	41273432	41274404	Gmdrm	hypo	CHH	-0.0162
Gm20	41277422	41278411	Gmdrm	hypo	CHH	-0.0201
Gm20	41280830	41281809	Gmdrm	hypo	CHH	-0.0187
Gm20	41285116	41286113	Gmdrm	hypo	CHH	-0.0688
Gm20	41286119	41287113	Gmdrm	hypo	CHH	-0.1238
Gm20	41298502	41299450	Gmdrm	hypo	CHH	-0.0218
Gm20	41304191	41305190	Gmdrm	hypo	CHH	-0.1478
Gm20	41305202	41306197	Gmdrm	hypo	CHH	-0.0476
Gm20	41306205	41307195	Gmdrm	hypo	CHH	-0.0091
Gm20	41314757	41315743	Gmdrm	hypo	CHH	-0.0388
Gm20	41316808	41317801	Gmdrm	hypo	CHH	-0.0595
Gm20	41321229	41322205	Gmdrm	hypo	CHH	-0.0175
Gm20	41323850	41324270	Gmdrm	hypo	CHH	-0.0222
Gm20	41326303	41327263	Gmdrm	hypo	CHH	-0.0156
Gm20	41327311	41328205	Gmdrm	hypo	CHH	-0.0224
Gm20	41329873	41330601	Gmdrm	hypo	CHH	-0.0162
Gm20	41336957	41337942	Gmdrm	hypo	CHH	-0.0202
Gm20	41345752	41346099	Gmdrm	hypo	CHH	-0.0385
Gm20	41352753	41353753	Gmdrm	hypo	CHH	-0.0696
Gm20	41356802	41357208	Gmdrm	hypo	CHH	-0.0189
Gm20	41365805	41366780	Gmdrm	hypo	CHH	-0.0167
Gm20	41374536	41375470	Gmdrm	hypo	CHH	-0.2079
Gm20	41394643	41395642	Gmdrm	hypo	CHH	-0.0265
Gm20	41397427	41398423	Gmdrm	hypo	CHH	-0.0909
Gm20	41398446	41399445	Gmdrm	hypo	CHH	-0.1464
Gm20	41403536	41404525	Gmdrm	hypo	CHH	-0.0121
Gm20	41406763	41407759	Gmdrm	hypo	CHH	-0.0636
Gm20	41417676	41418670	Gmdrm	hypo	CHH	-0.0329
Gm20	41418682	41419680	Gmdrm	hypo	CHH	-0.0692
Gm20	41419684	41420668	Gmdrm	hypo	CHH	-0.0845
Gm20	41422283	41423275	Gmdrm	hypo	CHH	-0.0136
Gm20	41425179	41426165	Gmdrm	hypo	CHH	-0.0308
Gm20	41429677	41430065	Gmdrm	hypo	CHH	-0.1498
Gm20	41434509	41435397	Gmdrm	hypo	CHH	-0.0278
Gm20	41435521	41436352	Gmdrm	hypo	CHH	-0.0348
Gm20	41440523	41441512	Gmdrm	hypo	CHH	-0.0395
Gm20	41448611	41449005	Gmdrm	hypo	CHH	-0.0279
Gm20	41450145	41451045	Gmdrm	hypo	CHH	-0.0713
Gm20	41452173	41453172	Gmdrm	hypo	CHH	-0.0192
Gm20	41463379	41464379	Gmdrm	hypo	CHH	-0.0562
Gm20	41474302	41475293	Gmdrm	hypo	CHH	-0.0536
Gm20	41475304	41476303	Gmdrm	hypo	CHH	-0.136
Gm20	41480410	41481410	Gmdrm	hypo	CHH	-0.0838
Gm20	41490899	41491892	Gmdrm	hypo	CHH	-0.0254
Gm20	41499740	41500738	Gmdrm	hypo	CHH	-0.041

Gm20	41500743	41501740	Gmdrm	hypo	CHH	-0.0751
Gm20	41509881	41510087	Gmdrm	hypo	CHH	-0.0317
Gm20	41510455	41511109	Gmdrm	hypo	CHH	-0.0284
Gm20	41516369	41517346	Gmdrm	hypo	CHH	-0.1211
Gm20	41518463	41519463	Gmdrm	hypo	CHH	-0.0201
Gm20	41528213	41529211	Gmdrm	hypo	CHH	-0.0167
Gm20	41534138	41535135	Gmdrm	hypo	CHH	-0.0515
Gm20	41536144	41537137	Gmdrm	hypo	CHH	-0.0797
Gm20	41537145	41538145	Gmdrm	hypo	CHH	-0.0144
Gm20	41541668	41542653	Gmdrm	hypo	CHH	-0.0179
Gm20	41551265	41552192	Gmdrm	hypo	CHH	-0.0264
Gm20	41554327	41555321	Gmdrm	hypo	CHH	-0.04
Gm20	41564166	41565166	Gmdrm	hypo	CHH	-0.0142
Gm20	41568510	41568628	Gmdrm	hypo	CHH	-0.202
Gm20	41579264	41580256	Gmdrm	hypo	CHH	-0.0577
Gm20	41580266	41580738	Gmdrm	hypo	CHH	-0.0296
Gm20	41583636	41584556	Gmdrm	hypo	CHH	-0.094
Gm20	41587720	41588699	Gmdrm	hypo	CHH	-0.0115
Gm20	41606505	41607502	Gmdrm	hypo	CHH	-0.0228
Gm20	41614009	41615006	Gmdrm	hypo	CHH	-0.0958
Gm20	41632466	41633389	Gmdrm	hypo	CHH	-0.0143
Gm20	41636014	41637006	Gmdrm	hypo	CHH	-0.0915
Gm20	41640757	41641713	Gmdrm	hypo	CHH	-0.0207
Gm20	41672393	41673376	Gmdrm	hypo	CHH	-0.0127
Gm20	41681454	41682419	Gmdrm	hypo	CHH	-0.0194
Gm20	41684790	41685594	Gmdrm	hypo	CHH	-0.0295
Gm20	41696805	41697773	Gmdrm	hypo	CHH	-0.1908
Gm20	41714564	41715531	Gmdrm	hypo	CHH	-0.0265
Gm20	41717610	41718560	Gmdrm	hypo	CHH	-0.0115
Gm20	41723131	41724123	Gmdrm	hypo	CHH	-0.2845
Gm20	41737182	41738177	Gmdrm	hypo	CHH	-0.0474
Gm20	41742977	41743974	Gmdrm	hypo	CHH	-0.0117
Gm20	41749831	41750822	Gmdrm	hypo	CHH	-0.1904
Gm20	41750834	41751832	Gmdrm	hypo	CHH	-0.1315
Gm20	41756002	41756991	Gmdrm	hypo	CHH	-0.0138
Gm20	41757013	41757998	Gmdrm	hypo	CHH	-0.0139
Gm20	41763500	41764497	Gmdrm	hypo	CHH	-0.1005
Gm20	41770173	41771171	Gmdrm	hypo	CHH	-0.1974
Gm20	41771174	41772174	Gmdrm	hypo	CHH	-0.1699
Gm20	41780056	41781054	Gmdrm	hypo	CHH	-0.1449
Gm20	41781057	41782016	Gmdrm	hypo	CHH	-0.1936
Gm20	41788729	41789711	Gmdrm	hypo	CHH	-0.0216
Gm20	41790766	41791766	Gmdrm	hypo	CHH	-0.3394
Gm20	41791769	41792769	Gmdrm	hypo	CHH	-0.0553
Gm20	41805717	41806702	Gmdrm	hypo	CHH	-0.1144
Gm20	41808752	41809752	Gmdrm	hypo	CHH	-0.0358

Gm20	41820688	41821676 Gmdrm	hypo	CHH	-0.0148
Gm20	41838317	41839308 Gmdrm	hypo	CHH	-0.0096
Gm20	41843545	41844538 Gmdrm	hypo	CHH	-0.1203
Gm20	41844596	41845586 Gmdrm	hypo	CHH	-0.0414
Gm20	41846602	41847602 Gmdrm	hypo	CHH	-0.0933
Gm20	41847605	41848604 Gmdrm	hypo	CHH	-0.095
Gm20	41849625	41850620 Gmdrm	hypo	CHH	-0.0158
Gm20	41862077	41863067 Gmdrm	hypo	CHH	-0.0213
Gm20	41863081	41864056 Gmdrm	hypo	CHH	-0.0648
Gm20	41864087	41865022 Gmdrm	hypo	CHH	-0.0175
Gm20	41865811	41866785 Gmdrm	hypo	CHH	-0.101
Gm20	41872482	41873477 Gmdrm	hypo	CHH	-0.0401
Gm20	41878401	41879393 Gmdrm	hypo	CHH	-0.0191
Gm20	41918883	41919869 Gmdrm	hypo	CHH	-0.0256
Gm20	41931054	41932025 Gmdrm	hypo	CHH	-0.1179
Gm20	41932116	41933110 Gmdrm	hypo	CHH	-0.0409
Gm20	41937119	41938109 Gmdrm	hypo	CHH	-0.0492
Gm20	41938123	41939123 Gmdrm	hypo	CHH	-0.0129
Gm20	41945655	41946251 Gmdrm	hypo	CHH	-0.2435
Gm20	41946356	41947355 Gmdrm	hypo	CHH	-0.0197
Gm20	41947377	41948362 Gmdrm	hypo	CHH	-0.0427
Gm20	41949400	41950393 Gmdrm	hypo	CHH	-0.2159
Gm20	41952447	41953444 Gmdrm	hypo	CHH	-0.1387
Gm20	41953748	41954737 Gmdrm	hypo	CHH	-0.0135
Gm20	41957748	41958698 Gmdrm	hypo	CHH	-0.026
Gm20	41958763	41959720 Gmdrm	hypo	CHH	-0.0615
Gm20	41960614	41961608 Gmdrm	hypo	CHH	-0.0204
Gm20	41970702	41971693 Gmdrm	hypo	CHH	-0.0222
Gm20	41977383	41978324 Gmdrm	hypo	CHH	-0.0135
Gm20	41979412	41980402 Gmdrm	hypo	CHH	-0.0098
Gm20	41985212	41986047 Gmdrm	hypo	CHH	-0.022
Gm20	41996389	41997361 Gmdrm	hypo	CHH	-0.1036
Gm20	41998452	41999444 Gmdrm	hypo	CHH	-0.0596
Gm20	41999467	42000466 Gmdrm	hypo	CHH	-0.0981
Gm20	42004753	42005740 Gmdrm	hypo	CHH	-0.0117
Gm20	42017784	42018681 Gmdrm	hypo	CHH	-0.0295
Gm20	42020648	42021647 Gmdrm	hypo	CHH	-0.1672
Gm20	42021653	42022648 Gmdrm	hypo	CHH	-0.1155
Gm20	42022659	42023080 Gmdrm	hypo	CHH	-0.0362
Gm20	42032596	42033596 Gmdrm	hypo	CHH	-0.0853
Gm20	42037136	42038115 Gmdrm	hypo	CHH	-0.0225
Gm20	42041984	42042967 Gmdrm	hypo	CHH	-0.0166
Gm20	42050362	42051362 Gmdrm	hypo	CHH	-0.0164
Gm20	42066149	42067149 Gmdrm	hypo	CHH	-0.1101
Gm20	42067151	42068147 Gmdrm	hypo	CHH	-0.1424
Gm20	42068155	42069155 Gmdrm	hypo	CHH	-0.1122

Gm20	42069162	42070157	Gmdrm	hypo	CHH	-0.1234
Gm20	42073644	42073911	Gmdrm	hypo	CHH	-0.0362
Gm20	42086929	42087167	Gmdrm	hypo	CHH	-0.0287
Gm20	42087270	42088267	Gmdrm	hypo	CHH	-0.0478
Gm20	42088284	42089283	Gmdrm	hypo	CHH	-0.0525
Gm20	42090308	42091286	Gmdrm	hypo	CHH	-0.097
Gm20	42091331	42092321	Gmdrm	hypo	CHH	-0.0204
Gm20	42099322	42100322	Gmdrm	hypo	CHH	-0.0133
Gm20	42127367	42128360	Gmdrm	hypo	CHH	-0.0164
Gm20	42134272	42135272	Gmdrm	hypo	CHH	-0.0505
Gm20	42135274	42136272	Gmdrm	hypo	CHH	-0.0812
Gm20	42138307	42139305	Gmdrm	hypo	CHH	-0.1036
Gm20	42139311	42140298	Gmdrm	hypo	CHH	-0.0708
Gm20	42158275	42159269	Gmdrm	hypo	CHH	-0.0152
Gm20	42164481	42165479	Gmdrm	hypo	CHH	-0.179
Gm20	42165487	42166483	Gmdrm	hypo	CHH	-0.1615
Gm20	42182550	42183531	Gmdrm	hypo	CHH	-0.0717
Gm20	42184986	42185945	Gmdrm	hypo	CHH	-0.0347
Gm20	42190267	42191231	Gmdrm	hypo	CHH	-0.0252
Gm20	42224200	42225179	Gmdrm	hypo	CHH	-0.0159
Gm20	42227946	42228936	Gmdrm	hypo	CHH	-0.0489
Gm20	42229630	42229828	Gmdrm	hypo	CHH	-0.0426
Gm20	42229929	42230788	Gmdrm	hypo	CHH	-0.0272
Gm20	42239019	42240001	Gmdrm	hypo	CHH	-0.0624
Gm20	42240041	42241035	Gmdrm	hypo	CHH	-0.1819
Gm20	42246147	42247133	Gmdrm	hypo	CHH	-0.0869
Gm20	42249338	42250336	Gmdrm	hypo	CHH	-0.0251
Gm20	42250356	42251353	Gmdrm	hypo	CHH	-0.0107
Gm20	42260878	42261868	Gmdrm	hypo	CHH	-0.0717
Gm20	42261881	42262878	Gmdrm	hypo	CHH	-0.0461
Gm20	42294184	42295181	Gmdrm	hypo	CHH	-0.0596
Gm20	42295195	42296192	Gmdrm	hypo	CHH	-0.0681
Gm20	42299092	42300049	Gmdrm	hypo	CHH	-0.0689
Gm20	42311710	42312709	Gmdrm	hypo	CHH	-0.0427
Gm20	42312714	42313702	Gmdrm	hypo	CHH	-0.148
Gm20	42329375	42330364	Gmdrm	hypo	CHH	-0.0231
Gm20	42332139	42333139	Gmdrm	hypo	CHH	-0.0146
Gm20	42333917	42334917	Gmdrm	hypo	CHH	-0.2118
Gm20	42334923	42335919	Gmdrm	hypo	CHH	-0.1026
Gm20	42336473	42336988	Gmdrm	hypo	CHH	-0.0431
Gm20	42343818	42344792	Gmdrm	hypo	CHH	-0.0089
Gm20	42347732	42348707	Gmdrm	hypo	CHH	-0.0186
Gm20	42351829	42352824	Gmdrm	hypo	CHH	-0.1235
Gm20	42352843	42353816	Gmdrm	hypo	CHH	-0.0157
Gm20	42355091	42356085	Gmdrm	hypo	CHH	-0.0938
Gm20	42365608	42365826	Gmdrm	hypo	CHH	-0.045

Gm20	42371389	42372373	Gmdrm	hypo	CHH	-0.0171
Gm20	42377218	42378206	Gmdrm	hypo	CHH	-0.2408
Gm20	42379835	42380807	Gmdrm	hypo	CHH	-0.0176
Gm20	42397108	42397699	Gmdrm	hypo	CHH	-0.02
Gm20	42397837	42398810	Gmdrm	hypo	CHH	-0.0636
Gm20	42398854	42399852	Gmdrm	hypo	CHH	-0.089
Gm20	42421330	42421460	Gmdrm	hypo	CHH	-0.0678
Gm20	42422705	42423700	Gmdrm	hypo	CHH	-0.0881
Gm20	42423712	42424706	Gmdrm	hypo	CHH	-0.0718
Gm20	42424739	42425728	Gmdrm	hypo	CHH	-0.09
Gm20	42450203	42451198	Gmdrm	hypo	CHH	-0.104
Gm20	42451217	42452021	Gmdrm	hypo	CHH	-0.0761
Gm20	42454215	42455176	Gmdrm	hypo	CHH	-0.0125
Gm20	42462288	42463282	Gmdrm	hypo	CHH	-0.028
Gm20	42469943	42470942	Gmdrm	hypo	CHH	-0.0288
Gm20	42471667	42472666	Gmdrm	hypo	CHH	-0.0504
Gm20	42475084	42476057	Gmdrm	hypo	CHH	-0.1003
Gm20	42476643	42477643	Gmdrm	hypo	CHH	-0.0936
Gm20	42477649	42478127	Gmdrm	hypo	CHH	-0.025
Gm20	42478732	42479724	Gmdrm	hypo	CHH	-0.0137
Gm20	42481291	42482196	Gmdrm	hypo	CHH	-0.041
Gm20	42486842	42487421	Gmdrm	hypo	CHH	-0.0285
Gm20	42487568	42488565	Gmdrm	hypo	CHH	-0.039
Gm20	42488570	42489554	Gmdrm	hypo	CHH	-0.1066
Gm20	42489577	42490573	Gmdrm	hypo	CHH	-0.0395
Gm20	42492229	42493223	Gmdrm	hypo	CHH	-0.0247
Gm20	42500182	42501125	Gmdrm	hypo	CHH	-0.0196
Gm20	42502508	42503434	Gmdrm	hypo	CHH	-0.0275
Gm20	42506528	42507434	Gmdrm	hypo	CHH	-0.0324
Gm20	42512394	42513304	Gmdrm	hypo	CHH	-0.0356
Gm20	42523312	42524301	Gmdrm	hypo	CHH	-0.1014
Gm20	42525206	42526202	Gmdrm	hypo	CHH	-0.0724
Gm20	42532644	42533643	Gmdrm	hypo	CHH	-0.0348
Gm20	42540858	42541843	Gmdrm	hypo	CHH	-0.1019
Gm20	42541904	42542182	Gmdrm	hypo	CHH	-0.2737
Gm20	42542425	42543422	Gmdrm	hypo	CHH	-0.0169
Gm20	42543432	42544423	Gmdrm	hypo	CHH	-0.0441
Gm20	42550423	42551417	Gmdrm	hypo	CHH	-0.0245
Gm20	42551432	42552066	Gmdrm	hypo	CHH	-0.0531
Gm20	42554840	42555818	Gmdrm	hypo	CHH	-0.2889
Gm20	42567412	42568396	Gmdrm	hypo	CHH	-0.0338
Gm20	42592383	42593361	Gmdrm	hypo	CHH	-0.0539
Gm20	42593391	42594387	Gmdrm	hypo	CHH	-0.0633
Gm20	42594402	42595401	Gmdrm	hypo	CHH	-0.0571
Gm20	42595404	42596379	Gmdrm	hypo	CHH	-0.023
Gm20	42637916	42638907	Gmdrm	hypo	CHH	-0.0488

Gm20	42638960	42639954	Gmdrm	hypo	CHH	-0.0489
Gm20	42658245	42659226	Gmdrm	hypo	CHH	-0.0442
Gm20	42659275	42660274	Gmdrm	hypo	CHH	-0.065
Gm20	42660276	42661231	Gmdrm	hypo	CHH	-0.0468
Gm20	42661289	42662289	Gmdrm	hypo	CHH	-0.0353
Gm20	42662297	42663283	Gmdrm	hypo	CHH	-0.0421
Gm20	42676354	42677341	Gmdrm	hypo	CHH	-0.0166
Gm20	42687408	42688405	Gmdrm	hypo	CHH	-0.045
Gm20	42695488	42696488	Gmdrm	hypo	CHH	-0.0732
Gm20	42696498	42697481	Gmdrm	hypo	CHH	-0.1112
Gm20	42700582	42701569	Gmdrm	hypo	CHH	-0.1121
Gm20	42701605	42702602	Gmdrm	hypo	CHH	-0.049
Gm20	42716609	42717563	Gmdrm	hypo	CHH	-0.0134
Gm20	42723923	42724845	Gmdrm	hypo	CHH	-0.0232
Gm20	42725233	42725396	Gmdrm	hypo	CHH	-0.069
Gm20	42737614	42738612	Gmdrm	hypo	CHH	-0.1147
Gm20	42738621	42739619	Gmdrm	hypo	CHH	-0.0976
Gm20	42739628	42740623	Gmdrm	hypo	CHH	-0.0658
Gm20	42741713	42742665	Gmdrm	hypo	CHH	-0.017
Gm20	42744234	42745211	Gmdrm	hypo	CHH	-0.0483
Gm20	42750983	42751960	Gmdrm	hypo	CHH	-0.0362
Gm20	42754023	42755021	Gmdrm	hypo	CHH	-0.0478
Gm20	42772348	42773336	Gmdrm	hypo	CHH	-0.0153
Gm20	42783008	42783213	Gmdrm	hypo	CHH	-0.02
Gm20	42788127	42789120	Gmdrm	hypo	CHH	-0.1304
Gm20	42789129	42790120	Gmdrm	hypo	CHH	-0.2291
Gm20	42791315	42792288	Gmdrm	hypo	CHH	-0.0109
Gm20	42793324	42793957	Gmdrm	hypo	CHH	-0.0746
Gm20	42796631	42797629	Gmdrm	hypo	CHH	-0.0198
Gm20	42799205	42800201	Gmdrm	hypo	CHH	-0.0241
Gm20	42804134	42805073	Gmdrm	hypo	CHH	-0.0187
Gm20	42806833	42807575	Gmdrm	hypo	CHH	-0.0105
Gm20	42807698	42808698	Gmdrm	hypo	CHH	-0.0535
Gm20	42808699	42809675	Gmdrm	hypo	CHH	-0.2168
Gm20	42810728	42811156	Gmdrm	hypo	CHH	-0.0207
Gm20	42822269	42823201	Gmdrm	hypo	CHH	-0.1316
Gm20	42824283	42825282	Gmdrm	hypo	CHH	-0.075
Gm20	42825284	42826250	Gmdrm	hypo	CHH	-0.0575
Gm20	42828479	42829479	Gmdrm	hypo	CHH	-0.0193
Gm20	42832681	42833156	Gmdrm	hypo	CHH	-0.1315
Gm20	42834261	42835261	Gmdrm	hypo	CHH	-0.0297
Gm20	42835265	42835843	Gmdrm	hypo	CHH	-0.1955
Gm20	42849335	42849811	Gmdrm	hypo	CHH	-0.0311
Gm20	42853458	42853857	Gmdrm	hypo	CHH	-0.1118
Gm20	42855114	42856079	Gmdrm	hypo	CHH	-0.0262
Gm20	42857216	42858213	Gmdrm	hypo	CHH	-0.0199

Gm20	42862755	42863753	Gmdrm	hypo	CHH	-0.054
Gm20	42863760	42864759	Gmdrm	hypo	CHH	-0.0882
Gm20	42864769	42865761	Gmdrm	hypo	CHH	-0.0859
Gm20	42892771	42893675	Gmdrm	hypo	CHH	-0.0227
Gm20	42897617	42898076	Gmdrm	hypo	CHH	-0.0434
Gm20	42906485	42906798	Gmdrm	hypo	CHH	-0.0196
Gm20	42929266	42930265	Gmdrm	hypo	CHH	-0.0216
Gm20	42947159	42948088	Gmdrm	hypo	CHH	-0.0135
Gm20	42957076	42958076	Gmdrm	hypo	CHH	-0.0921
Gm20	42965395	42966388	Gmdrm	hypo	CHH	-0.0205
Gm20	42969211	42970188	Gmdrm	hypo	CHH	-0.0319
Gm20	42970638	42971633	Gmdrm	hypo	CHH	-0.0244
Gm20	42979450	42980437	Gmdrm	hypo	CHH	-0.0513
Gm20	42981922	42982917	Gmdrm	hypo	CHH	-0.0401
Gm20	42982923	42983671	Gmdrm	hypo	CHH	-0.0862
Gm20	42984443	42985283	Gmdrm	hypo	CHH	-0.0735
Gm20	42990358	42991223	Gmdrm	hypo	CHH	-0.037
Gm20	42993418	42994414	Gmdrm	hypo	CHH	-0.0796
Gm20	42994440	42995412	Gmdrm	hypo	CHH	-0.0667
Gm20	42997604	42998298	Gmdrm	hypo	CHH	-0.0344
Gm20	43003528	43004528	Gmdrm	hypo	CHH	-0.0641
Gm20	43014844	43015598	Gmdrm	hypo	CHH	-0.0179
Gm20	43025983	43026978	Gmdrm	hypo	CHH	-0.04
Gm20	43037633	43038630	Gmdrm	hypo	CHH	-0.1149
Gm20	43038636	43039636	Gmdrm	hypo	CHH	-0.0756
Gm20	43039637	43040580	Gmdrm	hypo	CHH	-0.0424
Gm20	43044288	43045238	Gmdrm	hypo	CHH	-0.0724
Gm20	43045345	43046343	Gmdrm	hypo	CHH	-0.1237
Gm20	43046352	43047352	Gmdrm	hypo	CHH	-0.0264
Gm20	43054226	43055211	Gmdrm	hypo	CHH	-0.0206
Gm20	43055237	43056230	Gmdrm	hypo	CHH	-0.125
Gm20	43056239	43057232	Gmdrm	hypo	CHH	-0.0383
Gm20	43100825	43101821	Gmdrm	hypo	CHH	-0.0125
Gm20	43111304	43112289	Gmdrm	hypo	CHH	-0.0103
Gm20	43117601	43118599	Gmdrm	hypo	CHH	-0.1404
Gm20	43125427	43126419	Gmdrm	hypo	CHH	-0.0769
Gm20	43126430	43127404	Gmdrm	hypo	CHH	-0.0367
Gm20	43131540	43132534	Gmdrm	hypo	CHH	-0.0096
Gm20	43139395	43140383	Gmdrm	hypo	CHH	-0.016
Gm20	43182411	43182861	Gmdrm	hypo	CHH	-0.0287
Gm20	43192665	43193664	Gmdrm	hypo	CHH	-0.2058
Gm20	43193668	43194668	Gmdrm	hypo	CHH	-0.0711
Gm20	43194675	43195668	Gmdrm	hypo	CHH	-0.1163
Gm20	43199980	43200313	Gmdrm	hypo	CHH	-0.0489
Gm20	43202454	43203404	Gmdrm	hypo	CHH	-0.1442
Gm20	43209930	43210928	Gmdrm	hypo	CHH	-0.028

Gm20	43222335	43223303	Gmdrm	hypo	CHH	-0.0222
Gm20	43227155	43228115	Gmdrm	hypo	CHH	-0.0224
Gm20	43241400	43242394	Gmdrm	hypo	CHH	-0.0136
Gm20	43248333	43249325	Gmdrm	hypo	CHH	-0.014
Gm20	43253327	43254215	Gmdrm	hypo	CHH	-0.0608
Gm20	43254364	43254707	Gmdrm	hypo	CHH	-0.0866
Gm20	43254869	43255869	Gmdrm	hypo	CHH	-0.0466
Gm20	43255871	43256855	Gmdrm	hypo	CHH	-0.0826
Gm20	43279344	43280342	Gmdrm	hypo	CHH	-0.0341
Gm20	43280345	43281342	Gmdrm	hypo	CHH	-0.068
Gm20	43297531	43298529	Gmdrm	hypo	CHH	-0.0103
Gm20	43336328	43337322	Gmdrm	hypo	CHH	-0.0139
Gm20	43343555	43344555	Gmdrm	hypo	CHH	-0.1298
Gm20	43344556	43345538	Gmdrm	hypo	CHH	-0.1653
Gm20	43345558	43346039	Gmdrm	hypo	CHH	-0.293
Gm20	43349894	43350535	Gmdrm	hypo	CHH	-0.0836
Gm20	43354923	43355871	Gmdrm	hypo	CHH	-0.2531
Gm20	43357556	43358488	Gmdrm	hypo	CHH	-0.0286
Gm20	43361142	43362122	Gmdrm	hypo	CHH	-0.156
Gm20	43364605	43365025	Gmdrm	hypo	CHH	-0.0428
Gm20	43365514	43366514	Gmdrm	hypo	CHH	-0.0377
Gm20	43369572	43369874	Gmdrm	hypo	CHH	-0.035
Gm20	43370986	43371975	Gmdrm	hypo	CHH	-0.0884
Gm20	43372946	43373702	Gmdrm	hypo	CHH	-0.0404
Gm20	43377749	43378730	Gmdrm	hypo	CHH	-0.0477
Gm20	43384496	43385045	Gmdrm	hypo	CHH	-0.0143
Gm20	43393254	43394254	Gmdrm	hypo	CHH	-0.0183
Gm20	43394261	43395254	Gmdrm	hypo	CHH	-0.0167
Gm20	43400429	43401424	Gmdrm	hypo	CHH	-0.0601
Gm20	43401430	43402408	Gmdrm	hypo	CHH	-0.0158
Gm20	43418458	43419457	Gmdrm	hypo	CHH	-0.02
Gm20	43419463	43420460	Gmdrm	hypo	CHH	-0.0261
Gm20	43423095	43424085	Gmdrm	hypo	CHH	-0.0255
Gm20	43431514	43432493	Gmdrm	hypo	CHH	-0.0264
Gm20	43435175	43436170	Gmdrm	hypo	CHH	-0.1638
Gm20	43436176	43436782	Gmdrm	hypo	CHH	-0.0164
Gm20	43445144	43446142	Gmdrm	hypo	CHH	-0.0391
Gm20	43449219	43450214	Gmdrm	hypo	CHH	-0.0916
Gm20	43450227	43451204	Gmdrm	hypo	CHH	-0.0626
Gm20	43453860	43454855	Gmdrm	hypo	CHH	-0.0942
Gm20	43461111	43462104	Gmdrm	hypo	CHH	-0.084
Gm20	43462113	43463109	Gmdrm	hypo	CHH	-0.054
Gm20	43463133	43464130	Gmdrm	hypo	CHH	-0.0438
Gm20	43474914	43475906	Gmdrm	hypo	CHH	-0.062
Gm20	43475919	43476907	Gmdrm	hypo	CHH	-0.1122
Gm20	43490594	43491580	Gmdrm	hypo	CHH	-0.0612

Gm20	43531392	43531796	Gmdrm	hypo	CHH	-0.0318
Gm20	43531911	43532898	Gmdrm	hypo	CHH	-0.039
Gm20	43552231	43553211	Gmdrm	hypo	CHH	-0.1979
Gm20	43562915	43563656	Gmdrm	hypo	CHH	-0.0224
Gm20	43580036	43581020	Gmdrm	hypo	CHH	-0.0114
Gm20	43590748	43591745	Gmdrm	hypo	CHH	-0.0813
Gm20	43595679	43596671	Gmdrm	hypo	CHH	-0.0701
Gm20	43596680	43597676	Gmdrm	hypo	CHH	-0.0612
Gm20	43600787	43601595	Gmdrm	hypo	CHH	-0.0275
Gm20	43609418	43610391	Gmdrm	hypo	CHH	-0.0289
Gm20	43612433	43613421	Gmdrm	hypo	CHH	-0.0886
Gm20	43613823	43614805	Gmdrm	hypo	CHH	-0.0337
Gm20	43617032	43617995	Gmdrm	hypo	CHH	-0.0277
Gm20	43622273	43623272	Gmdrm	hypo	CHH	-0.0164
Gm20	43636273	43637260	Gmdrm	hypo	CHH	-0.0596
Gm20	43641838	43642582	Gmdrm	hypo	CHH	-0.0107
Gm20	43646942	43647935	Gmdrm	hypo	CHH	-0.0612
Gm20	43651808	43652803	Gmdrm	hypo	CHH	-0.0728
Gm20	43666184	43667129	Gmdrm	hypo	CHH	-0.0561
Gm20	43669609	43670603	Gmdrm	hypo	CHH	-0.0279
Gm20	43670621	43671595	Gmdrm	hypo	CHH	-0.0229
Gm20	43687357	43688356	Gmdrm	hypo	CHH	-0.0175
Gm20	43696557	43697154	Gmdrm	hypo	CHH	-0.0147
Gm20	43699266	43699960	Gmdrm	hypo	CHH	-0.0359
Gm20	43703379	43704341	Gmdrm	hypo	CHH	-0.1654
Gm20	43716540	43717518	Gmdrm	hypo	CHH	-0.0307
Gm20	43724393	43725366	Gmdrm	hypo	CHH	-0.0249
Gm20	43732768	43733237	Gmdrm	hypo	CHH	-0.0541
Gm20	43753239	43754205	Gmdrm	hypo	CHH	-0.1821
Gm20	43757794	43758363	Gmdrm	hypo	CHH	-0.0732
Gm20	43758488	43759486	Gmdrm	hypo	CHH	-0.1671
Gm20	43759495	43760488	Gmdrm	hypo	CHH	-0.073
Gm20	43766854	43767851	Gmdrm	hypo	CHH	-0.1867
Gm20	43769000	43769997	Gmdrm	hypo	CHH	-0.0252
Gm20	43770017	43771010	Gmdrm	hypo	CHH	-0.0132
Gm20	43777996	43778986	Gmdrm	hypo	CHH	-0.067
Gm20	43778998	43779992	Gmdrm	hypo	CHH	-0.0408
Gm20	43796183	43797156	Gmdrm	hypo	CHH	-0.0457
Gm20	43798675	43799671	Gmdrm	hypo	CHH	-0.0446
Gm20	43811252	43812250	Gmdrm	hypo	CHH	-0.0505
Gm20	43812254	43813254	Gmdrm	hypo	CHH	-0.0684
Gm20	43816289	43817288	Gmdrm	hypo	CHH	-0.0747
Gm20	43823566	43824566	Gmdrm	hypo	CHH	-0.0149
Gm20	43824573	43825571	Gmdrm	hypo	CHH	-0.013
Gm20	43827604	43828598	Gmdrm	hypo	CHH	-0.0239
Gm20	43837001	43837999	Gmdrm	hypo	CHH	-0.0298

Gm20	43838010	43838982	Gmdrm	hypo	CHH	-0.0146
Gm20	43847418	43848416	Gmdrm	hypo	CHH	-0.1156
Gm20	43849437	43850427	Gmdrm	hypo	CHH	-0.0145
Gm20	43854590	43855581	Gmdrm	hypo	CHH	-0.0543
Gm20	43855592	43855696	Gmdrm	hypo	CHH	-0.0738
Gm20	43857384	43857966	Gmdrm	hypo	CHH	-0.1907
Gm20	43859557	43860514	Gmdrm	hypo	CHH	-0.0603
Gm20	43861958	43862958	Gmdrm	hypo	CHH	-0.0613
Gm20	43862961	43863957	Gmdrm	hypo	CHH	-0.0885
Gm20	43863966	43864966	Gmdrm	hypo	CHH	-0.0772
Gm20	43864967	43865965	Gmdrm	hypo	CHH	-0.0831
Gm20	43874443	43875387	Gmdrm	hypo	CHH	-0.0163
Gm20	43878550	43878705	Gmdrm	hypo	CHH	-0.0327
Gm20	43889748	43890332	Gmdrm	hypo	CHH	-0.042
Gm20	43892820	43893803	Gmdrm	hypo	CHH	-0.116
Gm20	43893823	43894822	Gmdrm	hypo	CHH	-0.1031
Gm20	43897111	43898103	Gmdrm	hypo	CHH	-0.0348
Gm20	43901485	43902484	Gmdrm	hypo	CHH	-0.0153
Gm20	43904526	43905522	Gmdrm	hypo	CHH	-0.0147
Gm20	43906562	43907098	Gmdrm	hypo	CHH	-0.0239
Gm20	43910507	43910624	Gmdrm	hypo	CHH	-0.0656
Gm20	43912658	43913654	Gmdrm	hypo	CHH	-0.0685
Gm20	43917551	43918504	Gmdrm	hypo	CHH	-0.0149
Gm20	43920597	43921529	Gmdrm	hypo	CHH	-0.022
Gm20	43931007	43931959	Gmdrm	hypo	CHH	-0.0194
Gm20	43932516	43933483	Gmdrm	hypo	CHH	-0.0311
Gm20	43954161	43955152	Gmdrm	hypo	CHH	-0.0223
Gm20	43958517	43959517	Gmdrm	hypo	CHH	-0.1359
Gm20	43966528	43967527	Gmdrm	hypo	CHH	-0.2905
Gm20	43967530	43968529	Gmdrm	hypo	CHH	-0.0291
Gm20	43977654	43978639	Gmdrm	hypo	CHH	-0.0413
Gm20	43978663	43979637	Gmdrm	hypo	CHH	-0.1237
Gm20	43984274	43985249	Gmdrm	hypo	CHH	-0.118
Gm20	44004681	44005664	Gmdrm	hypo	CHH	-0.1873
Gm20	44005686	44006672	Gmdrm	hypo	CHH	-0.0132
Gm20	44006696	44007225	Gmdrm	hypo	CHH	-0.0257
Gm20	44008942	44009191	Gmdrm	hypo	CHH	-0.0518
Gm20	44010197	44011175	Gmdrm	hypo	CHH	-0.0445
Gm20	44011227	44012224	Gmdrm	hypo	CHH	-0.0972
Gm20	44012242	44013236	Gmdrm	hypo	CHH	-0.0237
Gm20	44017012	44018004	Gmdrm	hypo	CHH	-0.023
Gm20	44027382	44028376	Gmdrm	hypo	CHH	-0.0465
Gm20	44029182	44030180	Gmdrm	hypo	CHH	-0.02
Gm20	44046318	44047305	Gmdrm	hypo	CHH	-0.0299
Gm20	44050718	44050892	Gmdrm	hypo	CHH	-0.04
Gm20	44051276	44051948	Gmdrm	hypo	CHH	-0.1343

Gm20	44052422	44053418	Gmdrm	hypo	CHH	-0.0303
Gm20	44062911	44063199	Gmdrm	hypo	CHH	-0.0442
Gm20	44063312	44064303	Gmdrm	hypo	CHH	-0.0183
Gm20	44065379	44066367	Gmdrm	hypo	CHH	-0.0352
Gm20	44069471	44070467	Gmdrm	hypo	CHH	-0.0836
Gm20	44073938	44074922	Gmdrm	hypo	CHH	-0.0519
Gm20	44079417	44080413	Gmdrm	hypo	CHH	-0.1431
Gm20	44082329	44083312	Gmdrm	hypo	CHH	-0.0126
Gm20	44085480	44086477	Gmdrm	hypo	CHH	-0.0579
Gm20	44086495	44087397	Gmdrm	hypo	CHH	-0.0292
Gm20	44094437	44094967	Gmdrm	hypo	CHH	-0.1183
Gm20	44095070	44096065	Gmdrm	hypo	CHH	-0.0329
Gm20	44101578	44102565	Gmdrm	hypo	CHH	-0.1252
Gm20	44102582	44103582	Gmdrm	hypo	CHH	-0.0193
Gm20	44103585	44104584	Gmdrm	hypo	CHH	-0.0306
Gm20	44104592	44105566	Gmdrm	hypo	CHH	-0.0122
Gm20	44105612	44106600	Gmdrm	hypo	CHH	-0.0924
Gm20	44114989	44115610	Gmdrm	hypo	CHH	-0.0213
Gm20	44121027	44122019	Gmdrm	hypo	CHH	-0.0176
Gm20	44137678	44138033	Gmdrm	hypo	CHH	-0.0356
Gm20	44138171	44139110	Gmdrm	hypo	CHH	-0.0204
Gm20	44143658	44144635	Gmdrm	hypo	CHH	-0.0502
Gm20	44153441	44154385	Gmdrm	hypo	CHH	-0.0217
Gm20	44154442	44155416	Gmdrm	hypo	CHH	-0.0147
Gm20	44158174	44159168	Gmdrm	hypo	CHH	-0.1239
Gm20	44160333	44161307	Gmdrm	hypo	CHH	-0.256
Gm20	44168187	44169164	Gmdrm	hypo	CHH	-0.0539
Gm20	44169212	44170147	Gmdrm	hypo	CHH	-0.0506
Gm20	44180532	44180993	Gmdrm	hypo	CHH	-0.0288
Gm20	44181406	44182376	Gmdrm	hypo	CHH	-0.0741
Gm20	44182407	44183404	Gmdrm	hypo	CHH	-0.05
Gm20	44183413	44184401	Gmdrm	hypo	CHH	-0.0932
Gm20	44191251	44192244	Gmdrm	hypo	CHH	-0.1649
Gm20	44199915	44200878	Gmdrm	hypo	CHH	-0.017
Gm20	44200919	44201914	Gmdrm	hypo	CHH	-0.0367
Gm20	44201920	44202570	Gmdrm	hypo	CHH	-0.1009
Gm20	44206257	44207244	Gmdrm	hypo	CHH	-0.0206
Gm20	44212908	44213905	Gmdrm	hypo	CHH	-0.0148
Gm20	44243137	44244135	Gmdrm	hypo	CHH	-0.0636
Gm20	44246715	44247715	Gmdrm	hypo	CHH	-0.0261
Gm20	44256206	44257040	Gmdrm	hypo	CHH	-0.0211
Gm20	44263111	44264053	Gmdrm	hypo	CHH	-0.0366
Gm20	44265988	44266951	Gmdrm	hypo	CHH	-0.0137
Gm20	44267328	44268327	Gmdrm	hypo	CHH	-0.0271
Gm20	44277767	44278752	Gmdrm	hypo	CHH	-0.3934
Gm20	44279832	44280066	Gmdrm	hypo	CHH	-0.0276

Gm20	44300250	44301235	Gmdrm	hypo	CHH	-0.012
Gm20	44333785	44334777	Gmdrm	hypo	CHH	-0.2638
Gm20	44334786	44335776	Gmdrm	hypo	CHH	-0.2833
Gm20	44345569	44346565	Gmdrm	hypo	CHH	-0.0525
Gm20	44350644	44351226	Gmdrm	hypo	CHH	-0.0267
Gm20	44352824	44353749	Gmdrm	hypo	CHH	-0.0116
Gm20	44362749	44363747	Gmdrm	hypo	CHH	-0.014
Gm20	44370712	44371695	Gmdrm	hypo	CHH	-0.089
Gm20	44390149	44391142	Gmdrm	hypo	CHH	-0.03
Gm20	44398318	44398331	Gmdrm	hypo	CHH	-0.05
Gm20	44398444	44399415	Gmdrm	hypo	CHH	-0.0226
Gm20	44403458	44404453	Gmdrm	hypo	CHH	-0.0147
Gm20	44404612	44405606	Gmdrm	hypo	CHH	-0.017
Gm20	44405625	44406624	Gmdrm	hypo	CHH	-0.0773
Gm20	44406628	44407025	Gmdrm	hypo	CHH	-0.1432
Gm20	44412120	44413113	Gmdrm	hypo	CHH	-0.0291
Gm20	44414126	44415082	Gmdrm	hypo	CHH	-0.0283
Gm20	44415128	44416116	Gmdrm	hypo	CHH	-0.0911
Gm20	44416131	44417124	Gmdrm	hypo	CHH	-0.1066
Gm20	44426112	44426458	Gmdrm	hypo	CHH	-0.022
Gm20	44440165	44440528	Gmdrm	hypo	CHH	-0.0289
Gm20	44443553	44444552	Gmdrm	hypo	CHH	-0.0428
Gm20	44444559	44445510	Gmdrm	hypo	CHH	-0.0558
Gm20	44447635	44448613	Gmdrm	hypo	CHH	-0.0219
Gm20	44463335	44464327	Gmdrm	hypo	CHH	-0.0278
Gm20	44471518	44472517	Gmdrm	hypo	CHH	-0.1231
Gm20	44472519	44473514	Gmdrm	hypo	CHH	-0.2106
Gm20	44473520	44474514	Gmdrm	hypo	CHH	-0.0399
Gm20	44474529	44475500	Gmdrm	hypo	CHH	-0.0161
Gm20	44491330	44492325	Gmdrm	hypo	CHH	-0.0134
Gm20	44500612	44501598	Gmdrm	hypo	CHH	-0.1673
Gm20	44509015	44510009	Gmdrm	hypo	CHH	-0.2194
Gm20	44525866	44526002	Gmdrm	hypo	CHH	-0.055
Gm20	44526485	44527457	Gmdrm	hypo	CHH	-0.044
Gm20	44527510	44528508	Gmdrm	hypo	CHH	-0.0171
Gm20	44554381	44555353	Gmdrm	hypo	CHH	-0.0391
Gm20	44559802	44560228	Gmdrm	hypo	CHH	-0.0174
Gm20	44560973	44561239	Gmdrm	hypo	CHH	-0.0367
Gm20	44562851	44563630	Gmdrm	hypo	CHH	-0.0266
Gm20	44570469	44570822	Gmdrm	hypo	CHH	-0.0797
Gm20	44572399	44573395	Gmdrm	hypo	CHH	-0.0108
Gm20	44581170	44582163	Gmdrm	hypo	CHH	-0.0196
Gm20	44585635	44586633	Gmdrm	hypo	CHH	-0.0352
Gm20	44586640	44587634	Gmdrm	hypo	CHH	-0.1555
Gm20	44591772	44592770	Gmdrm	hypo	CHH	-0.0234
Gm20	44592779	44593777	Gmdrm	hypo	CHH	-0.0415

Gm20	44594210	44595200 Gmdrm	hypo	CHH	-0.0684
Gm20	44595215	44596205 Gmdrm	hypo	CHH	-0.1993
Gm20	44598237	44599221 Gmdrm	hypo	CHH	-0.0337
Gm20	44599246	44600237 Gmdrm	hypo	CHH	-0.173
Gm20	44601268	44601836 Gmdrm	hypo	CHH	-0.0751
Gm20	44602598	44603593 Gmdrm	hypo	CHH	-0.0217
Gm20	44603625	44604621 Gmdrm	hypo	CHH	-0.0227
Gm20	44604634	44605244 Gmdrm	hypo	CHH	-0.0263
Gm20	44605347	44606316 Gmdrm	hypo	CHH	-0.0294
Gm20	44608365	44608692 Gmdrm	hypo	CHH	-0.1146
Gm20	44609365	44610363 Gmdrm	hypo	CHH	-0.0894
Gm20	44610376	44611347 Gmdrm	hypo	CHH	-0.0141
Gm20	44612404	44613398 Gmdrm	hypo	CHH	-0.0772
Gm20	44617217	44617525 Gmdrm	hypo	CHH	-0.0424
Gm20	44618898	44619868 Gmdrm	hypo	CHH	-0.0158
Gm20	44620914	44621906 Gmdrm	hypo	CHH	-0.0274
Gm20	44621915	44622865 Gmdrm	hypo	CHH	-0.1489
Gm20	44632263	44632906 Gmdrm	hypo	CHH	-0.0525
Gm20	44633008	44633993 Gmdrm	hypo	CHH	-0.1002
Gm20	44634633	44635618 Gmdrm	hypo	CHH	-0.0321
Gm20	44637877	44638869 Gmdrm	hypo	CHH	-0.032
Gm20	44638883	44639850 Gmdrm	hypo	CHH	-0.0439
Gm20	44641500	44642270 Gmdrm	hypo	CHH	-0.0362
Gm20	44645860	44646856 Gmdrm	hypo	CHH	-0.1159
Gm20	44663291	44664289 Gmdrm	hypo	CHH	-0.0156
Gm20	44664383	44665373 Gmdrm	hypo	CHH	-0.0354
Gm20	44670640	44671631 Gmdrm	hypo	CHH	-0.0177
Gm20	44673685	44674684 Gmdrm	hypo	CHH	-0.0581
Gm20	44676694	44677692 Gmdrm	hypo	CHH	-0.0219
Gm20	44685345	44686333 Gmdrm	hypo	CHH	-0.0479
Gm20	44691183	44692161 Gmdrm	hypo	CHH	-0.1405
Gm20	44693251	44693688 Gmdrm	hypo	CHH	-0.0558
Gm20	44698159	44698563 Gmdrm	hypo	CHH	-0.0383
Gm20	44712980	44713978 Gmdrm	hypo	CHH	-0.0185
Gm20	44719310	44720300 Gmdrm	hypo	CHH	-0.0193
Gm20	44728100	44729075 Gmdrm	hypo	CHH	-0.0244
Gm20	44746451	44747421 Gmdrm	hypo	CHH	-0.0249
Gm20	44747459	44748431 Gmdrm	hypo	CHH	-0.0358
Gm20	44754344	44755038 Gmdrm	hypo	CHH	-0.019
Gm20	44763916	44764896 Gmdrm	hypo	CHH	-0.0478
Gm20	44764917	44765613 Gmdrm	hypo	CHH	-0.0202
Gm20	44777974	44778652 Gmdrm	hypo	CHH	-0.1068
Gm20	44781805	44782782 Gmdrm	hypo	CHH	-0.0351
Gm20	44789818	44790151 Gmdrm	hypo	CHH	-0.0681
Gm20	44794543	44795537 Gmdrm	hypo	CHH	-0.0314
Gm20	44795546	44796541 Gmdrm	hypo	CHH	-0.0612

Gm20	44796548	44797544	Gmdrm	hypo	CHH	-0.0656
Gm20	44797551	44798550	Gmdrm	hypo	CHH	-0.0701
Gm20	44822588	44823265	Gmdrm	hypo	CHH	-0.0274
Gm20	44831755	44832745	Gmdrm	hypo	CHH	-0.1473
Gm20	44832757	44833757	Gmdrm	hypo	CHH	-0.2223
Gm20	44837623	44838619	Gmdrm	hypo	CHH	-0.0122
Gm20	44846436	44847422	Gmdrm	hypo	CHH	-0.0188
Gm20	44847457	44848266	Gmdrm	hypo	CHH	-0.1032
Gm20	44850377	44850666	Gmdrm	hypo	CHH	-0.048
Gm20	44853012	44853515	Gmdrm	hypo	CHH	-0.022
Gm20	44855956	44856937	Gmdrm	hypo	CHH	-0.0232
Gm20	44863158	44864151	Gmdrm	hypo	CHH	-0.014
Gm20	44869762	44870741	Gmdrm	hypo	CHH	-0.0236
Gm20	44871776	44872232	Gmdrm	hypo	CHH	-0.0336
Gm20	44876341	44877317	Gmdrm	hypo	CHH	-0.1192
Gm20	44877367	44878340	Gmdrm	hypo	CHH	-0.0768
Gm20	44883802	44884766	Gmdrm	hypo	CHH	-0.0151
Gm20	44885650	44886001	Gmdrm	hypo	CHH	-0.0234
Gm20	44889136	44890113	Gmdrm	hypo	CHH	-0.2894
Gm20	44898385	44899154	Gmdrm	hypo	CHH	-0.0603
Gm20	44909179	44910178	Gmdrm	hypo	CHH	-0.0874
Gm20	44914002	44914956	Gmdrm	hypo	CHH	-0.0403
Gm20	44920895	44920983	Gmdrm	hypo	CHH	-0.0786
Gm20	44925499	44926495	Gmdrm	hypo	CHH	-0.033
Gm20	44926852	44927852	Gmdrm	hypo	CHH	-0.0733
Gm20	44927856	44928855	Gmdrm	hypo	CHH	-0.138
Gm20	44930895	44931894	Gmdrm	hypo	CHH	-0.0894
Gm20	44931922	44932922	Gmdrm	hypo	CHH	-0.1215
Gm20	44932923	44933906	Gmdrm	hypo	CHH	-0.0175
Gm20	44933941	44934904	Gmdrm	hypo	CHH	-0.0143
Gm20	44938053	44938883	Gmdrm	hypo	CHH	-0.0395
Gm20	44939195	44939630	Gmdrm	hypo	CHH	-0.2935
Gm20	44939904	44940899	Gmdrm	hypo	CHH	-0.0163
Gm20	44946778	44947777	Gmdrm	hypo	CHH	-0.0686
Gm20	44958881	44959290	Gmdrm	hypo	CHH	-0.2545
Gm20	44966262	44966304	Gmdrm	hypo	CHH	-0.066
Gm20	44979435	44980429	Gmdrm	hypo	CHH	-0.0164
Gm20	44989258	44990258	Gmdrm	hypo	CHH	-0.0849
Gm20	44996751	44997740	Gmdrm	hypo	CHH	-0.0166
Gm20	45005661	45006654	Gmdrm	hypo	CHH	-0.2572
Gm20	45006673	45006844	Gmdrm	hypo	CHH	-0.4334
Gm20	45012553	45013537	Gmdrm	hypo	CHH	-0.0297
Gm20	45018478	45019468	Gmdrm	hypo	CHH	-0.1166
Gm20	45021531	45022517	Gmdrm	hypo	CHH	-0.0393
Gm20	45023566	45024564	Gmdrm	hypo	CHH	-0.0853
Gm20	45024573	45025558	Gmdrm	hypo	CHH	-0.1215

Gm20	45032059	45032296	Gmdrm	hypo	CHH	-0.03
Gm20	45032624	45033617	Gmdrm	hypo	CHH	-0.0232
Gm20	45033627	45034599	Gmdrm	hypo	CHH	-0.0679
Gm20	45034631	45035625	Gmdrm	hypo	CHH	-0.0654
Gm20	45036930	45037929	Gmdrm	hypo	CHH	-0.0431
Gm20	45037949	45038924	Gmdrm	hypo	CHH	-0.0381
Gm20	45039412	45039704	Gmdrm	hypo	CHH	-0.0412
Gm20	45050160	45050298	Gmdrm	hypo	CHH	-0.0346
Gm20	45055889	45056888	Gmdrm	hypo	CHH	-0.0176
Gm20	45062803	45063799	Gmdrm	hypo	CHH	-0.0194
Gm20	45063805	45064790	Gmdrm	hypo	CHH	-0.049
Gm20	45074919	45075004	Gmdrm	hypo	CHH	-0.0863
Gm20	45112011	45113005	Gmdrm	hypo	CHH	-0.068
Gm20	45113012	45114008	Gmdrm	hypo	CHH	-0.0938
Gm20	45114013	45115011	Gmdrm	hypo	CHH	-0.0529
Gm20	45127451	45128446	Gmdrm	hypo	CHH	-0.0198
Gm20	45130521	45131496	Gmdrm	hypo	CHH	-0.0215
Gm20	45153384	45154374	Gmdrm	hypo	CHH	-0.0632
Gm20	45154395	45155391	Gmdrm	hypo	CHH	-0.0221
Gm20	45160703	45161697	Gmdrm	hypo	CHH	-0.0536
Gm20	45161705	45162696	Gmdrm	hypo	CHH	-0.0398
Gm20	45168091	45168407	Gmdrm	hypo	CHH	-0.0326
Gm20	45181956	45182943	Gmdrm	hypo	CHH	-0.0374
Gm20	45199649	45200319	Gmdrm	hypo	CHH	-0.0185
Gm20	45206261	45207244	Gmdrm	hypo	CHH	-0.0207
Gm20	45207297	45208182	Gmdrm	hypo	CHH	-0.0225
Gm20	45214052	45215051	Gmdrm	hypo	CHH	-0.2289
Gm20	45216769	45217720	Gmdrm	hypo	CHH	-0.0172
Gm20	45223260	45224201	Gmdrm	hypo	CHH	-0.0177
Gm20	45243169	45244168	Gmdrm	hypo	CHH	-0.0484
Gm20	45247475	45248423	Gmdrm	hypo	CHH	-0.0225
Gm20	45261270	45262257	Gmdrm	hypo	CHH	-0.056
Gm20	45262274	45262676	Gmdrm	hypo	CHH	-0.0883
Gm20	45266041	45266971	Gmdrm	hypo	CHH	-0.0849
Gm20	45283973	45284960	Gmdrm	hypo	CHH	-0.016
Gm20	45295970	45296951	Gmdrm	hypo	CHH	-0.0708
Gm20	45299772	45300763	Gmdrm	hypo	CHH	-0.0653
Gm20	45300781	45301063	Gmdrm	hypo	CHH	-0.0537
Gm20	45301177	45302177	Gmdrm	hypo	CHH	-0.0188
Gm20	45312439	45312545	Gmdrm	hypo	CHH	-0.0433
Gm20	45320868	45321859	Gmdrm	hypo	CHH	-0.316
Gm20	45321870	45322868	Gmdrm	hypo	CHH	-0.2719
Gm20	45326985	45327983	Gmdrm	hypo	CHH	-0.0132
Gm20	45335092	45335699	Gmdrm	hypo	CHH	-0.031
Gm20	45348014	45349001	Gmdrm	hypo	CHH	-0.0229
Gm20	45349019	45350011	Gmdrm	hypo	CHH	-0.0186

Gm20	45354614	45355605	Gmdrm	hypo	CHH	-0.0843
Gm20	45355639	45356095	Gmdrm	hypo	CHH	-0.2187
Gm20	45357447	45358419	Gmdrm	hypo	CHH	-0.0165
Gm20	45358466	45359453	Gmdrm	hypo	CHH	-0.0144
Gm20	45362677	45363672	Gmdrm	hypo	CHH	-0.0384
Gm20	45378376	45378556	Gmdrm	hypo	CHH	-0.049
Gm20	45390992	45391970	Gmdrm	hypo	CHH	-0.0207
Gm20	45402831	45403830	Gmdrm	hypo	CHH	-0.0875
Gm20	45403842	45404829	Gmdrm	hypo	CHH	-0.015
Gm20	45408055	45408850	Gmdrm	hypo	CHH	-0.014
Gm20	45415718	45416679	Gmdrm	hypo	CHH	-0.0129
Gm20	45423527	45424527	Gmdrm	hypo	CHH	-0.0312
Gm20	45424529	45424780	Gmdrm	hypo	CHH	-0.04
Gm20	45426814	45427780	Gmdrm	hypo	CHH	-0.023
Gm20	45427836	45428775	Gmdrm	hypo	CHH	-0.0384
Gm20	45443753	45444742	Gmdrm	hypo	CHH	-0.1706
Gm20	45444765	45445054	Gmdrm	hypo	CHH	-0.4704
Gm20	45445901	45446901	Gmdrm	hypo	CHH	-0.2114
Gm20	45446905	45447899	Gmdrm	hypo	CHH	-0.186
Gm20	45479143	45480117	Gmdrm	hypo	CHH	-0.018
Gm20	45482897	45483892	Gmdrm	hypo	CHH	-0.0491
Gm20	45489850	45490061	Gmdrm	hypo	CHH	-0.055
Gm20	45492924	45493923	Gmdrm	hypo	CHH	-0.0102
Gm20	45506627	45506895	Gmdrm	hypo	CHH	-0.0364
Gm20	45507001	45507997	Gmdrm	hypo	CHH	-0.1183
Gm20	45509743	45510710	Gmdrm	hypo	CHH	-0.0184
Gm20	45510926	45511918	Gmdrm	hypo	CHH	-0.0779
Gm20	45521871	45522861	Gmdrm	hypo	CHH	-0.0373
Gm20	45527945	45528941	Gmdrm	hypo	CHH	-0.0342
Gm20	45533026	45533992	Gmdrm	hypo	CHH	-0.0137
Gm20	45538067	45539051	Gmdrm	hypo	CHH	-0.0798
Gm20	45539102	45540069	Gmdrm	hypo	CHH	-0.0308
Gm20	45540155	45541139	Gmdrm	hypo	CHH	-0.0185
Gm20	45557849	45558846	Gmdrm	hypo	CHH	-0.02
Gm20	45560854	45561841	Gmdrm	hypo	CHH	-0.0826
Gm20	45563184	45564179	Gmdrm	hypo	CHH	-0.0209
Gm20	45571805	45572010	Gmdrm	hypo	CHH	-0.0572
Gm20	45583597	45584597	Gmdrm	hypo	CHH	-0.1068
Gm20	45591172	45592164	Gmdrm	hypo	CHH	-0.0174
Gm20	45597576	45597968	Gmdrm	hypo	CHH	-0.0238
Gm20	45599796	45600053	Gmdrm	hypo	CHH	-0.035
Gm20	45600166	45601148	Gmdrm	hypo	CHH	-0.0702
Gm20	45601169	45601357	Gmdrm	hypo	CHH	-0.1886
Gm20	45602061	45603058	Gmdrm	hypo	CHH	-0.0509
Gm20	45603062	45604053	Gmdrm	hypo	CHH	-0.1005
Gm20	45604493	45605489	Gmdrm	hypo	CHH	-0.1383

Gm20	45612097	45613095	Gmdrm	hypo	CHH	-0.0269
Gm20	45619793	45620790	Gmdrm	hypo	CHH	-0.0225
Gm20	45620796	45621777	Gmdrm	hypo	CHH	-0.0387
Gm20	45621801	45622758	Gmdrm	hypo	CHH	-0.1195
Gm20	45626932	45627823	Gmdrm	hypo	CHH	-0.0195
Gm20	45627939	45628921	Gmdrm	hypo	CHH	-0.0203
Gm20	45631031	45631958	Gmdrm	hypo	CHH	-0.0588
Gm20	45632121	45633084	Gmdrm	hypo	CHH	-0.0181
Gm20	45653698	45654686	Gmdrm	hypo	CHH	-0.0361
Gm20	45654702	45655698	Gmdrm	hypo	CHH	-0.051
Gm20	45658726	45659720	Gmdrm	hypo	CHH	-0.0208
Gm20	45659737	45660710	Gmdrm	hypo	CHH	-0.0602
Gm20	45662860	45663829	Gmdrm	hypo	CHH	-0.4254
Gm20	45666697	45667679	Gmdrm	hypo	CHH	-0.0923
Gm20	45675297	45676295	Gmdrm	hypo	CHH	-0.0273
Gm20	45682615	45683607	Gmdrm	hypo	CHH	-0.0273
Gm20	45686041	45686579	Gmdrm	hypo	CHH	-0.324
Gm20	45692568	45692660	Gmdrm	hypo	CHH	-0.1157
Gm20	45700878	45701844	Gmdrm	hypo	CHH	-0.0149
Gm20	45701980	45702695	Gmdrm	hypo	CHH	-0.0212
Gm20	45717331	45717492	Gmdrm	hypo	CHH	-0.0469
Gm20	45717594	45718580	Gmdrm	hypo	CHH	-0.0133
Gm20	45728411	45729379	Gmdrm	hypo	CHH	-0.2123
Gm20	45742061	45743004	Gmdrm	hypo	CHH	-0.0228
Gm20	45743316	45744300	Gmdrm	hypo	CHH	-0.091
Gm20	45745385	45746381	Gmdrm	hypo	CHH	-0.015
Gm20	45750007	45750198	Gmdrm	hypo	CHH	-0.0462
Gm20	45756392	45757345	Gmdrm	hypo	CHH	-0.0304
Gm20	45763945	45764939	Gmdrm	hypo	CHH	-0.0179
Gm20	45764962	45765958	Gmdrm	hypo	CHH	-0.0907
Gm20	45765970	45766969	Gmdrm	hypo	CHH	-0.0434
Gm20	45766972	45767850	Gmdrm	hypo	CHH	-0.1047
Gm20	45768791	45768962	Gmdrm	hypo	CHH	-0.045
Gm20	45785988	45786942	Gmdrm	hypo	CHH	-0.0122
Gm20	45788369	45788553	Gmdrm	hypo	CHH	-0.0427
Gm20	45791521	45792021	Gmdrm	hypo	CHH	-0.0626
Gm20	45821619	45822598	Gmdrm	hypo	CHH	-0.0155
Gm20	45822637	45823635	Gmdrm	hypo	CHH	-0.0771
Gm20	45824648	45825641	Gmdrm	hypo	CHH	-0.0447
Gm20	45825650	45826641	Gmdrm	hypo	CHH	-0.1199
Gm20	45826651	45827617	Gmdrm	hypo	CHH	-0.0223
Gm20	45846282	45847282	Gmdrm	hypo	CHH	-0.0568
Gm20	45851902	45852883	Gmdrm	hypo	CHH	-0.0631
Gm20	45852951	45853951	Gmdrm	hypo	CHH	-0.016
Gm20	45871689	45872685	Gmdrm	hypo	CHH	-0.1413
Gm20	45872691	45873652	Gmdrm	hypo	CHH	-0.0769

Gm20	45876215	45877215	Gmdrm	hypo	CHH	-0.0144
Gm20	45886475	45887445	Gmdrm	hypo	CHH	-0.0133
Gm20	45891718	45892718	Gmdrm	hypo	CHH	-0.1103
Gm20	45892727	45893727	Gmdrm	hypo	CHH	-0.0941
Gm20	45911674	45912615	Gmdrm	hypo	CHH	-0.0174
Gm20	45915801	45916240	Gmdrm	hypo	CHH	-0.0273
Gm20	45922921	45923194	Gmdrm	hypo	CHH	-0.0486
Gm20	45925429	45926426	Gmdrm	hypo	CHH	-0.057
Gm20	45934203	45935104	Gmdrm	hypo	CHH	-0.0672
Gm20	45935209	45936207	Gmdrm	hypo	CHH	-0.0279
Gm20	45936210	45937179	Gmdrm	hypo	CHH	-0.2604
Gm20	45946130	45947122	Gmdrm	hypo	CHH	-0.0122
Gm20	45950246	45951246	Gmdrm	hypo	CHH	-0.0842
Gm20	45959261	45959314	Gmdrm	hypo	CHH	-0.048
Gm20	45985355	45986346	Gmdrm	hypo	CHH	-0.3208
Gm20	45986356	45986786	Gmdrm	hypo	CHH	-0.4119
Gm20	45992988	45993975	Gmdrm	hypo	CHH	-0.05
Gm20	45993994	45994993	Gmdrm	hypo	CHH	-0.0555
Gm20	45995002	45996002	Gmdrm	hypo	CHH	-0.0731
Gm20	45996005	45996979	Gmdrm	hypo	CHH	-0.0355
Gm20	46000869	46001859	Gmdrm	hypo	CHH	-0.0176
Gm20	46001891	46002875	Gmdrm	hypo	CHH	-0.0217
Gm20	46006579	46007570	Gmdrm	hypo	CHH	-0.0249
Gm20	46008856	46009812	Gmdrm	hypo	CHH	-0.0236
Gm20	46020197	46021130	Gmdrm	hypo	CHH	-0.0179
Gm20	46027141	46028139	Gmdrm	hypo	CHH	-0.0131
Gm20	46042460	46043455	Gmdrm	hypo	CHH	-0.0407
Gm20	46043488	46044484	Gmdrm	hypo	CHH	-0.0147
Gm20	46071287	46072283	Gmdrm	hypo	CHH	-0.0899
Gm20	46072290	46072770	Gmdrm	hypo	CHH	-0.1323
Gm20	46078591	46079586	Gmdrm	hypo	CHH	-0.2457
Gm20	46079608	46080608	Gmdrm	hypo	CHH	-0.149
Gm20	46085663	46086663	Gmdrm	hypo	CHH	-0.1005
Gm20	46127837	46128809	Gmdrm	hypo	CHH	-0.0255
Gm20	46132125	46133090	Gmdrm	hypo	CHH	-0.0122
Gm20	46138538	46139533	Gmdrm	hypo	CHH	-0.0136
Gm20	46139558	46140506	Gmdrm	hypo	CHH	-0.0147
Gm20	46142646	46143637	Gmdrm	hypo	CHH	-0.0897
Gm20	46150297	46151295	Gmdrm	hypo	CHH	-0.0269
Gm20	46151298	46152208	Gmdrm	hypo	CHH	-0.0834
Gm20	46158245	46158795	Gmdrm	hypo	CHH	-0.0236
Gm20	46176266	46177067	Gmdrm	hypo	CHH	-0.0341
Gm20	46177173	46178148	Gmdrm	hypo	CHH	-0.0782
Gm20	46183998	46184988	Gmdrm	hypo	CHH	-0.0264
Gm20	46187049	46188047	Gmdrm	hypo	CHH	-0.0169
Gm20	46200132	46201083	Gmdrm	hypo	CHH	-0.0208

Gm20	46203765	46204297	Gmdrm	hypo	CHH	-0.0349
Gm20	46209908	46210905	Gmdrm	hypo	CHH	-0.0131
Gm20	46216188	46217187	Gmdrm	hypo	CHH	-0.0204
Gm20	46217189	46218175	Gmdrm	hypo	CHH	-0.0728
Gm20	46218190	46219155	Gmdrm	hypo	CHH	-0.0306
Gm20	46221559	46222552	Gmdrm	hypo	CHH	-0.0191
Gm20	46222567	46223551	Gmdrm	hypo	CHH	-0.0565
Gm20	46239079	46239183	Gmdrm	hypo	CHH	-0.0253
Gm20	46254335	46255334	Gmdrm	hypo	CHH	-0.0315
Gm20	46255337	46256325	Gmdrm	hypo	CHH	-0.0481
Gm20	46266242	46267234	Gmdrm	hypo	CHH	-0.1663
Gm20	46267253	46268081	Gmdrm	hypo	CHH	-0.0517
Gm20	46275928	46276917	Gmdrm	hypo	CHH	-0.0269
Gm20	46301355	46301859	Gmdrm	hypo	CHH	-0.0448
Gm20	46302999	46303985	Gmdrm	hypo	CHH	-0.0474
Gm20	46318194	46319193	Gmdrm	hypo	CHH	-0.1776
Gm20	46342004	46343002	Gmdrm	hypo	CHH	-0.0854
Gm20	46349994	46350121	Gmdrm	hypo	CHH	-0.05
Gm20	46354417	46355406	Gmdrm	hypo	CHH	-0.0262
Gm20	46357107	46358103	Gmdrm	hypo	CHH	-0.0281
Gm20	46359535	46360533	Gmdrm	hypo	CHH	-0.0807
Gm20	46360569	46361250	Gmdrm	hypo	CHH	-0.0209
Gm20	46362453	46363419	Gmdrm	hypo	CHH	-0.0165
Gm20	46363508	46364507	Gmdrm	hypo	CHH	-0.2435
Gm20	46364511	46365356	Gmdrm	hypo	CHH	-0.2854
Gm20	46366577	46367571	Gmdrm	hypo	CHH	-0.016
Gm20	46378587	46378872	Gmdrm	hypo	CHH	-0.0234
Gm20	46383047	46383312	Gmdrm	hypo	CHH	-0.0635
Gm20	46409562	46410407	Gmdrm	hypo	CHH	-0.0125
Gm20	46410523	46411523	Gmdrm	hypo	CHH	-0.0188
Gm20	46411527	46412492	Gmdrm	hypo	CHH	-0.0482
Gm20	46414934	46415929	Gmdrm	hypo	CHH	-0.0919
Gm20	46415943	46416909	Gmdrm	hypo	CHH	-0.0902
Gm20	46424546	46425494	Gmdrm	hypo	CHH	-0.0989
Gm20	46425709	46426180	Gmdrm	hypo	CHH	-0.3242
Gm20	46432046	46433029	Gmdrm	hypo	CHH	-0.0686
Gm20	46434089	46435089	Gmdrm	hypo	CHH	-0.0508
Gm20	46435099	46436097	Gmdrm	hypo	CHH	-0.0661
Gm20	46437637	46438626	Gmdrm	hypo	CHH	-0.0207
Gm20	46440078	46441053	Gmdrm	hypo	CHH	-0.0149
Gm20	46459005	46459991	Gmdrm	hypo	CHH	-0.1707
Gm20	46461227	46462177	Gmdrm	hypo	CHH	-0.0417
Gm20	46462247	46463240	Gmdrm	hypo	CHH	-0.072
Gm20	46464307	46465304	Gmdrm	hypo	CHH	-0.0379
Gm20	46473264	46474221	Gmdrm	hypo	CHH	-0.0277
Gm20	46479836	46480806	Gmdrm	hypo	CHH	-0.0687

Gm20	46486711	46487705	Gmdrm	hypo	CHH	-0.0235
Gm20	46487716	46488218	Gmdrm	hypo	CHH	-0.0247
Gm20	46494317	46495237	Gmdrm	hypo	CHH	-0.0252
Gm20	46498060	46499051	Gmdrm	hypo	CHH	-0.0398
Gm20	46502997	46503217	Gmdrm	hypo	CHH	-0.0423
Gm20	46518547	46518806	Gmdrm	hypo	CHH	-0.0468
Gm20	46522142	46522654	Gmdrm	hypo	CHH	-0.0321
Gm20	46527195	46528188	Gmdrm	hypo	CHH	-0.0164
Gm20	46530614	46531581	Gmdrm	hypo	CHH	-0.0281
Gm20	46531689	46532668	Gmdrm	hypo	CHH	-0.0147
Gm20	46535547	46536546	Gmdrm	hypo	CHH	-0.0996
Gm20	46536549	46537548	Gmdrm	hypo	CHH	-0.1612
Gm20	46537559	46538556	Gmdrm	hypo	CHH	-0.0499
Gm20	46538575	46539571	Gmdrm	hypo	CHH	-0.03
Gm20	46542305	46543296	Gmdrm	hypo	CHH	-0.0337
Gm20	46544326	46544745	Gmdrm	hypo	CHH	-0.0439
Gm20	46559586	46560584	Gmdrm	hypo	CHH	-0.0119
Gm20	46561662	46562532	Gmdrm	hypo	CHH	-0.0545
Gm20	46568462	46569450	Gmdrm	hypo	CHH	-0.2182
Gm20	46579297	46580287	Gmdrm	hypo	CHH	-0.0274
Gm20	46582317	46583297	Gmdrm	hypo	CHH	-0.0595
Gm20	46593000	46593522	Gmdrm	hypo	CHH	-0.0215
Gm20	46600743	46601740	Gmdrm	hypo	CHH	-0.0664
Gm20	46603773	46604753	Gmdrm	hypo	CHH	-0.1131
Gm20	46621587	46622578	Gmdrm	hypo	CHH	-0.0675
Gm20	46628213	46629205	Gmdrm	hypo	CHH	-0.0438
Gm20	46631743	46632740	Gmdrm	hypo	CHH	-0.0162
Gm20	46648644	46648877	Gmdrm	hypo	CHH	-0.0333
Gm20	46649035	46649771	Gmdrm	hypo	CHH	-0.0239
Gm20	46652447	46653438	Gmdrm	hypo	CHH	-0.0281
Gm20	46653456	46654452	Gmdrm	hypo	CHH	-0.1064
Gm20	46654461	46655457	Gmdrm	hypo	CHH	-0.0242
Gm20	46655477	46656286	Gmdrm	hypo	CHH	-0.166
Gm20	46660441	46661435	Gmdrm	hypo	CHH	-0.0919
Gm20	46666467	46667385	Gmdrm	hypo	CHH	-0.022
Gm20	46679362	46680083	Gmdrm	hypo	CHH	-0.1064
Gm20	46682265	46683258	Gmdrm	hypo	CHH	-0.0551
Gm20	46684178	46684546	Gmdrm	hypo	CHH	-0.0708
Gm20	46692230	46693218	Gmdrm	hypo	CHH	-0.0119
Gm20	46693562	46694547	Gmdrm	hypo	CHH	-0.0167
Gm20	46694741	46695740	Gmdrm	hypo	CHH	-0.0368
Gm20	46695746	46696623	Gmdrm	hypo	CHH	-0.1448
Gm20	46696767	46697767	Gmdrm	hypo	CHH	-0.1412
Gm20	46698995	46699991	Gmdrm	hypo	CHH	-0.031
Gm20	46702049	46703049	Gmdrm	hypo	CHH	-0.0186
Gm20	46704089	46704251	Gmdrm	hypo	CHH	-0.0665

Gm20	46704494	46705494	Gmdrm	hypo	CHH	-0.1291
Gm20	46705499	46706473	Gmdrm	hypo	CHH	-0.0584
Gm20	46707858	46708835	Gmdrm	hypo	CHH	-0.0182
Gm20	46708861	46709859	Gmdrm	hypo	CHH	-0.0764
Gm20	46716635	46717635	Gmdrm	hypo	CHH	-0.0348
Gm20	46723295	46724054	Gmdrm	hypo	CHH	-0.0305
Gm20	46731645	46731795	Gmdrm	hypo	CHH	-0.0533
Gm20	46732901	46733892	Gmdrm	hypo	CHH	-0.0261
Gm20	46738196	46739194	Gmdrm	hypo	CHH	-0.0289
Gm20	46742272	46743268	Gmdrm	hypo	CHH	-0.0477
Gm20	46743288	46744265	Gmdrm	hypo	CHH	-0.35
Gm20	46745317	46746298	Gmdrm	hypo	CHH	-0.0192
Gm20	46754276	46755275	Gmdrm	hypo	CHH	-0.0621
Gm20	46755281	46756100	Gmdrm	hypo	CHH	-0.0338
Gm20	46756208	46757202	Gmdrm	hypo	CHH	-0.0663
Gm20	46766489	46767470	Gmdrm	hypo	CHH	-0.0243
Gm20	46777919	46778797	Gmdrm	hypo	CHH	-0.028
Gm20	46802587	46803550	Gmdrm	hypo	CHH	-0.0234
Gm20	46814517	46815285	Gmdrm	hypo	CHH	-0.0215
Gm20	46816476	46817407	Gmdrm	hypo	CHH	-0.0258
Gm20	46826017	46826993	Gmdrm	hypo	CHH	-0.0243
Gm20	46833044	46834042	Gmdrm	hypo	CHH	-0.2181
Gm20	46834048	46835046	Gmdrm	hypo	CHH	-0.1707
Gm20	46842331	46843321	Gmdrm	hypo	CHH	-0.0287
Gm20	46849676	46850173	Gmdrm	hypo	CHH	-0.0278
Gm20	46859739	46860728	Gmdrm	hypo	CHH	-0.0258
Gm20	46868485	46869061	Gmdrm	hypo	CHH	-0.0437
Gm20	46870120	46871069	Gmdrm	hypo	CHH	-0.1079
Gm20	46878087	46879077	Gmdrm	hypo	CHH	-0.0134
Gm20	46880110	46881108	Gmdrm	hypo	CHH	-0.1527
Gm20	46881115	46882115	Gmdrm	hypo	CHH	-0.0695
Gm20	46883134	46884122	Gmdrm	hypo	CHH	-0.0447
Gm20	46884136	46884523	Gmdrm	hypo	CHH	-0.0946
Gm20	46888884	46889883	Gmdrm	hypo	CHH	-0.1082
Gm20	46893488	46893818	Gmdrm	hypo	CHH	-0.0313
Gm20	46893994	46894991	Gmdrm	hypo	CHH	-0.1447
Gm20	46896761	46897747	Gmdrm	hypo	CHH	-0.0242
Gm20	46903013	46903403	Gmdrm	hypo	CHH	-0.0357
Gm20	46908537	46909531	Gmdrm	hypo	CHH	-0.0613
Gm20	46909538	46910021	Gmdrm	hypo	CHH	-0.04
Gm20	46920926	46921912	Gmdrm	hypo	CHH	-0.0185
Gm20	46922603	46923591	Gmdrm	hypo	CHH	-0.0153
Gm20	46927686	46928680	Gmdrm	hypo	CHH	-0.0156
Gm20	46943253	46944253	Gmdrm	hypo	CHH	-0.0209
Gm20	46970251	46971235	Gmdrm	hypo	CHH	-0.015
Gm20	46973327	46974323	Gmdrm	hypo	CHH	-0.3346

Gm20	46979753	46980742	Gmdrm	hypo	CHH	-0.012
Gm20	47011098	47011345	Gmdrm	hypo	CHH	-0.053
Gm20	47020744	47021726	Gmdrm	hypo	CHH	-0.0193
Gm20	47031276	47032271	Gmdrm	hypo	CHH	-0.0476
Gm20	47049516	47050516	Gmdrm	hypo	CHH	-0.0238
Gm20	47050522	47051458	Gmdrm	hypo	CHH	-0.0625
Gm20	47056604	47057261	Gmdrm	hypo	CHH	-0.0265
Gm20	47078437	47079429	Gmdrm	hypo	CHH	-0.02
Gm20	47082980	47083960	Gmdrm	hypo	CHH	-0.2276
Gm20	47089294	47089386	Gmdrm	hypo	CHH	-0.1118
Gm20	47093393	47094367	Gmdrm	hypo	CHH	-0.0168
Gm20	47103848	47104822	Gmdrm	hypo	CHH	-0.077
Gm20	47123558	47124555	Gmdrm	hypo	CHH	-0.0249
Gm20	47130890	47131889	Gmdrm	hypo	CHH	-0.0131
Gm20	47134958	47135945	Gmdrm	hypo	CHH	-0.0182
Gm20	47135992	47136945	Gmdrm	hypo	CHH	-0.021
Gm20	47137002	47137999	Gmdrm	hypo	CHH	-0.034
Gm20	47142844	47143018	Gmdrm	hypo	CHH	-0.0333
Gm20	47144435	47145420	Gmdrm	hypo	CHH	-0.0154
Gm20	47147406	47148291	Gmdrm	hypo	CHH	-0.0268
Gm20	47150956	47151939	Gmdrm	hypo	CHH	-0.0376
Gm20	47151964	47152955	Gmdrm	hypo	CHH	-0.049
Gm20	47156011	47157001	Gmdrm	hypo	CHH	-0.0447
Gm20	47157466	47158429	Gmdrm	hypo	CHH	-0.045
Gm20	47159474	47160467	Gmdrm	hypo	CHH	-0.1131
Gm20	47160483	47161463	Gmdrm	hypo	CHH	-0.1511
Gm20	47164614	47165613	Gmdrm	hypo	CHH	-0.0185
Gm20	47165627	47165655	Gmdrm	hypo	CHH	-0.04
Gm20	47165765	47165908	Gmdrm	hypo	CHH	-0.052
Gm20	47168051	47169039	Gmdrm	hypo	CHH	-0.0197
Gm20	47190455	47191452	Gmdrm	hypo	CHH	-0.1944
Gm20	47191458	47192458	Gmdrm	hypo	CHH	-0.0388
Gm20	47192464	47193432	Gmdrm	hypo	CHH	-0.0296
Gm20	47195544	47196544	Gmdrm	hypo	CHH	-0.1717
Gm20	47196547	47197541	Gmdrm	hypo	CHH	-0.0697
Gm20	47201425	47202424	Gmdrm	hypo	CHH	-0.1978
Gm20	47202434	47203434	Gmdrm	hypo	CHH	-0.1369
Gm20	47206338	47207317	Gmdrm	hypo	CHH	-0.0437
Gm20	47213237	47214230	Gmdrm	hypo	CHH	-0.0101
Gm20	47216681	47217606	Gmdrm	hypo	CHH	-0.0191
Gm20	47226056	47227056	Gmdrm	hypo	CHH	-0.0524
Gm20	47227089	47228049	Gmdrm	hypo	CHH	-0.1017
Gm20	47253186	47254167	Gmdrm	hypo	CHH	-0.0836
Gm20	47266806	47267791	Gmdrm	hypo	CHH	-0.0407
Gm20	47267807	47268806	Gmdrm	hypo	CHH	-0.1188
Gm20	47275288	47276243	Gmdrm	hypo	CHH	-0.0548

Gm20	47286463	47287437	Gmdrm	hypo	CHH	-0.0365
Gm20	47287483	47288436	Gmdrm	hypo	CHH	-0.1607
Gm20	47290352	47291347	Gmdrm	hypo	CHH	-0.0156
Gm20	47309647	47310036	Gmdrm	hypo	CHH	-0.0245
Gm20	47327360	47328337	Gmdrm	hypo	CHH	-0.1313
Gm20	47334712	47335704	Gmdrm	hypo	CHH	-0.0198
Gm20	47335966	47336951	Gmdrm	hypo	CHH	-0.0218
Gm20	47337815	47338808	Gmdrm	hypo	CHH	-0.0914
Gm20	47348496	47349486	Gmdrm	hypo	CHH	-0.0162
Gm20	47357795	47358795	Gmdrm	hypo	CHH	-0.0157
Gm20	47359326	47360320	Gmdrm	hypo	CHH	-0.123
Gm20	47368341	47369312	Gmdrm	hypo	CHH	-0.0202
Gm20	47382337	47383001	Gmdrm	hypo	CHH	-0.0363
Gm20	47391897	47392856	Gmdrm	hypo	CHH	-0.0607
Gm20	47412410	47412523	Gmdrm	hypo	CHH	-0.0313
Gm20	47412636	47413627	Gmdrm	hypo	CHH	-0.1435
Gm20	47413638	47414622	Gmdrm	hypo	CHH	-0.0897
Gm20	47421598	47422596	Gmdrm	hypo	CHH	-0.0139
Gm20	47427588	47427627	Gmdrm	hypo	CHH	-0.168
Gm20	47427736	47427811	Gmdrm	hypo	CHH	-0.1267
Gm20	47429339	47430324	Gmdrm	hypo	CHH	-0.0243
Gm20	47434146	47434881	Gmdrm	hypo	CHH	-0.0307
Gm20	47446029	47446468	Gmdrm	hypo	CHH	-0.0734
Gm20	47446670	47447652	Gmdrm	hypo	CHH	-0.106
Gm20	47451508	47452506	Gmdrm	hypo	CHH	-0.0515
Gm20	47452522	47453514	Gmdrm	hypo	CHH	-0.1141
Gm20	47453555	47454554	Gmdrm	hypo	CHH	-0.0503
Gm20	47468160	47469159	Gmdrm	hypo	CHH	-0.0513
Gm20	47484502	47485478	Gmdrm	hypo	CHH	-0.019
Gm20	47485508	47486136	Gmdrm	hypo	CHH	-0.0877
Gm20	47487142	47488137	Gmdrm	hypo	CHH	-0.0263
Gm20	47492428	47493399	Gmdrm	hypo	CHH	-0.0533
Gm20	47493436	47494425	Gmdrm	hypo	CHH	-0.1866
Gm20	47494439	47494825	Gmdrm	hypo	CHH	-0.03
Gm20	47499855	47500854	Gmdrm	hypo	CHH	-0.0207
Gm20	47512310	47513210	Gmdrm	hypo	CHH	-0.0615
Gm20	47514429	47515261	Gmdrm	hypo	CHH	-0.0217
Gm20	47516968	47517804	Gmdrm	hypo	CHH	-0.0248
Gm20	47523038	47524034	Gmdrm	hypo	CHH	-0.036
Gm20	47524042	47525039	Gmdrm	hypo	CHH	-0.0648
Gm20	47530708	47531153	Gmdrm	hypo	CHH	-0.1433
Gm20	47534341	47535321	Gmdrm	hypo	CHH	-0.0326
Gm20	47542141	47542946	Gmdrm	hypo	CHH	-0.0257
Gm20	47543531	47544391	Gmdrm	hypo	CHH	-0.0645
Gm20	47572510	47573505	Gmdrm	hypo	CHH	-0.2032
Gm20	47610644	47611633	Gmdrm	hypo	CHH	-0.0151

Gm20	47617535	47618534	Gmdrm	hypo	CHH	-0.0511
Gm20	47618572	47619546	Gmdrm	hypo	CHH	-0.035
Gm20	47619573	47620573	Gmdrm	hypo	CHH	-0.0237
Gm20	47633253	47633706	Gmdrm	hypo	CHH	-0.0333
Gm20	47643908	47644627	Gmdrm	hypo	CHH	-0.0271
Gm20	47657801	47658799	Gmdrm	hypo	CHH	-0.0188
Gm20	47664795	47665792	Gmdrm	hypo	CHH	-0.1232
Gm20	47665803	47666787	Gmdrm	hypo	CHH	-0.0137
Gm20	47673888	47674877	Gmdrm	hypo	CHH	-0.1525
Gm20	47674890	47675867	Gmdrm	hypo	CHH	-0.2328
Gm20	47696725	47697721	Gmdrm	hypo	CHH	-0.0538
Gm20	47700128	47701128	Gmdrm	hypo	CHH	-0.0463
Gm20	47701130	47702118	Gmdrm	hypo	CHH	-0.0421
Gm20	47703778	47704327	Gmdrm	hypo	CHH	-0.0193
Gm20	47706549	47707549	Gmdrm	hypo	CHH	-0.0169
Gm20	47707555	47708546	Gmdrm	hypo	CHH	-0.0174
Gm20	47711512	47712511	Gmdrm	hypo	CHH	-0.0263
Gm20	47719842	47720839	Gmdrm	hypo	CHH	-0.0134
Gm20	47726133	47726968	Gmdrm	hypo	CHH	-0.0212
Gm20	47727103	47728103	Gmdrm	hypo	CHH	-0.0303
Gm20	47735815	47736171	Gmdrm	hypo	CHH	-0.11
Gm20	47737780	47738771	Gmdrm	hypo	CHH	-0.0771
Gm20	47739782	47740742	Gmdrm	hypo	CHH	-0.1029
Gm20	47756773	47757765	Gmdrm	hypo	CHH	-0.039
Gm20	47757775	47758000	Gmdrm	hypo	CHH	-0.0444
Gm20	47758180	47759175	Gmdrm	hypo	CHH	-0.1929
Gm20	47759190	47760178	Gmdrm	hypo	CHH	-0.026
Gm20	47778214	47779189	Gmdrm	hypo	CHH	-0.0294
Gm20	47783213	47784046	Gmdrm	hypo	CHH	-0.0153
Gm20	47786492	47786844	Gmdrm	hypo	CHH	-0.0315
Gm20	47787528	47788522	Gmdrm	hypo	CHH	-0.0572
Gm20	47788532	47789522	Gmdrm	hypo	CHH	-0.029
Gm20	47789533	47790533	Gmdrm	hypo	CHH	-0.1025
Gm20	47790536	47791535	Gmdrm	hypo	CHH	-0.1213
Gm20	47791544	47792417	Gmdrm	hypo	CHH	-0.0596
Gm20	47793470	47794454	Gmdrm	hypo	CHH	-0.0151
Gm20	47803374	47804373	Gmdrm	hypo	CHH	-0.0322
Gm20	47834533	47835510	Gmdrm	hypo	CHH	-0.0131
scaffold_102	142	1121	Gmdrm	hypo	CHH	-0.0149
scaffold_102	41923	42502	Gmdrm	hypo	CHH	-0.0403
scaffold_102	56707	57706	Gmdrm	hypo	CHH	-0.0579
scaffold_102	57721	58143	Gmdrm	hypo	CHH	-0.1291
scaffold_102	63472	63801	Gmdrm	hypo	CHH	-0.1125
scaffold_102	63937	63963	Gmdrm	hypo	CHH	-0.532
scaffold_102	64882	65351	Gmdrm	hypo	CHH	-0.0464
scaffold_102	71080	71550	Gmdrm	hypo	CHH	-0.0404

scaffold_105	3845	4065 Gmdrm	hypo	CHH	-0.1055
scaffold_109	187	1178 Gmdrm	hypo	CHH	-0.1238
scaffold_109	19635	20632 Gmdrm	hypo	CHH	-0.0595
scaffold_110	32100	33083 Gmdrm	hypo	CHH	-0.0256
scaffold_110	33105	33333 Gmdrm	hypo	CHH	-0.0415
scaffold_110	42012	42169 Gmdrm	hypo	CHH	-0.1372
scaffold_110	55492	56492 Gmdrm	hypo	CHH	-0.0111
scaffold_110	62367	63353 Gmdrm	hypo	CHH	-0.0144
scaffold_111	31115	32105 Gmdrm	hypo	CHH	-0.0262
scaffold_111	60250	60581 Gmdrm	hypo	CHH	-0.089
scaffold_111	62640	63325 Gmdrm	hypo	CHH	-0.074
scaffold_117	27357	27495 Gmdrm	hypo	CHH	-0.094
scaffold_117	27865	28852 Gmdrm	hypo	CHH	-0.0503
scaffold_117	28890	29651 Gmdrm	hypo	CHH	-0.1156
scaffold_117	29772	30346 Gmdrm	hypo	CHH	-0.0491
scaffold_117	43049	43129 Gmdrm	hypo	CHH	-0.2988
scaffold_117	44167	44241 Gmdrm	hypo	CHH	-0.3585
scaffold_117	61226	61722 Gmdrm	hypo	CHH	-0.043
scaffold_118	325	526 Gmdrm	hypo	CHH	-0.1442
scaffold_118	10780	11778 Gmdrm	hypo	CHH	-0.0089
scaffold_118	11782	12781 Gmdrm	hypo	CHH	-0.0101
scaffold_118	16756	17746 Gmdrm	hypo	CHH	-0.0125
scaffold_118	17759	18757 Gmdrm	hypo	CHH	-0.0104
scaffold_118	19772	20327 Gmdrm	hypo	CHH	-0.0125
scaffold_118	20544	21542 Gmdrm	hypo	CHH	-0.051
scaffold_118	21547	21934 Gmdrm	hypo	CHH	-0.0688
scaffold_118	22071	23070 Gmdrm	hypo	CHH	-0.0398
scaffold_118	23074	24053 Gmdrm	hypo	CHH	-0.0267
scaffold_118	24650	25644 Gmdrm	hypo	CHH	-0.0332
scaffold_118	26653	27180 Gmdrm	hypo	CHH	-0.0205
scaffold_118	28885	29862 Gmdrm	hypo	CHH	-0.009
scaffold_118	62147	63136 Gmdrm	hypo	CHH	-0.0203
scaffold_118	63164	63834 Gmdrm	hypo	CHH	-0.037
scaffold_120	2490	3490 Gmdrm	hypo	CHH	-0.0311
scaffold_120	10773	11299 Gmdrm	hypo	CHH	-0.0857
scaffold_120	14272	14674 Gmdrm	hypo	CHH	-0.0397
scaffold_120	18960	19267 Gmdrm	hypo	CHH	-0.024
scaffold_120	20584	21159 Gmdrm	hypo	CHH	-0.0448
scaffold_120	21567	21881 Gmdrm	hypo	CHH	-0.0772
scaffold_120	24161	24936 Gmdrm	hypo	CHH	-0.0665
scaffold_120	27831	28800 Gmdrm	hypo	CHH	-0.027
scaffold_120	28834	29834 Gmdrm	hypo	CHH	-0.0315
scaffold_120	29844	30844 Gmdrm	hypo	CHH	-0.0167
scaffold_120	36606	37280 Gmdrm	hypo	CHH	-0.101
scaffold_120	44829	45813 Gmdrm	hypo	CHH	-0.0843
scaffold_120	45835	46834 Gmdrm	hypo	CHH	-0.0242

scaffold_120	47735	48729 Gmdrm	hypo	CHH	-0.0124
scaffold_120	48801	49796 Gmdrm	hypo	CHH	-0.1514
scaffold_120	49804	50317 Gmdrm	hypo	CHH	-0.0218
scaffold_120	51257	52247 Gmdrm	hypo	CHH	-0.0348
scaffold_120	54149	54854 Gmdrm	hypo	CHH	-0.0527
scaffold_120	61114	61454 Gmdrm	hypo	CHH	-0.0258
scaffold_123	22361	23360 Gmdrm	hypo	CHH	-0.045
scaffold_123	40604	41600 Gmdrm	hypo	CHH	-0.0513
scaffold_123	42425	43203 Gmdrm	hypo	CHH	-0.1119
scaffold_123	44738	45014 Gmdrm	hypo	CHH	-0.1475
scaffold_123	47884	48883 Gmdrm	hypo	CHH	-0.0384
scaffold_123	51597	52590 Gmdrm	hypo	CHH	-0.0727
scaffold_124	12958	13955 Gmdrm	hypo	CHH	-0.0253
scaffold_124	18238	19225 Gmdrm	hypo	CHH	-0.0732
scaffold_124	19243	19878 Gmdrm	hypo	CHH	-0.1121
scaffold_124	20360	20743 Gmdrm	hypo	CHH	-0.1138
scaffold_124	20924	21455 Gmdrm	hypo	CHH	-0.0983
scaffold_124	21617	22285 Gmdrm	hypo	CHH	-0.0465
scaffold_124	23585	24074 Gmdrm	hypo	CHH	-0.1475
scaffold_124	35013	35995 Gmdrm	hypo	CHH	-0.1111
scaffold_124	36014	37008 Gmdrm	hypo	CHH	-0.109
scaffold_124	37026	38024 Gmdrm	hypo	CHH	-0.0191
scaffold_124	38959	39541 Gmdrm	hypo	CHH	-0.0727
scaffold_124	39672	40671 Gmdrm	hypo	CHH	-0.1017
scaffold_124	40674	40719 Gmdrm	hypo	CHH	-0.1771
scaffold_124	42811	43290 Gmdrm	hypo	CHH	-0.0539
scaffold_124	43711	44260 Gmdrm	hypo	CHH	-0.0583
scaffold_124	44564	45561 Gmdrm	hypo	CHH	-0.0381
scaffold_124	45591	45922 Gmdrm	hypo	CHH	-0.0291
scaffold_124	46180	47179 Gmdrm	hypo	CHH	-0.0212
scaffold_124	52485	52755 Gmdrm	hypo	CHH	-0.0764
scaffold_124	53173	54161 Gmdrm	hypo	CHH	-0.0243
scaffold_124	54179	54618 Gmdrm	hypo	CHH	-0.0562
scaffold_124	55613	56217 Gmdrm	hypo	CHH	-0.0431
scaffold_126	53367	53671 Gmdrm	hypo	CHH	-0.1392
scaffold_128	14069	14610 Gmdrm	hypo	CHH	-0.0343
scaffold_128	50232	51229 Gmdrm	hypo	CHH	-0.0804
scaffold_130	7686	8365 Gmdrm	hypo	CHH	-0.086
scaffold_137	1791	2789 Gmdrm	hypo	CHH	-0.0315
scaffold_137	5165	6165 Gmdrm	hypo	CHH	-0.0223
scaffold_138	326	1320 Gmdrm	hypo	CHH	-0.0784
scaffold_138	1331	2331 Gmdrm	hypo	CHH	-0.0884
scaffold_138	3791	4353 Gmdrm	hypo	CHH	-0.0604
scaffold_138	21504	22494 Gmdrm	hypo	CHH	-0.0188
scaffold_138	26209	26373 Gmdrm	hypo	CHH	-0.058
scaffold_138	32102	32814 Gmdrm	hypo	CHH	-0.1473

scaffold_138	41852	42836 Gmdrm	hypo	CHH	-0.0231
scaffold_138	46087	46562 Gmdrm	hypo	CHH	-0.035
scaffold_138	47466	47913 Gmdrm	hypo	CHH	-0.02
scaffold_143	5003	5979 Gmdrm	hypo	CHH	-0.046
scaffold_143	7972	8971 Gmdrm	hypo	CHH	-0.0168
scaffold_143	9994	10984 Gmdrm	hypo	CHH	-0.0142
scaffold_143	26724	27721 Gmdrm	hypo	CHH	-0.0306
scaffold_143	43990	44978 Gmdrm	hypo	CHH	-0.0223
scaffold_145	10625	10958 Gmdrm	hypo	CHH	-0.1135
scaffold_145	18748	19744 Gmdrm	hypo	CHH	-0.0537
scaffold_145	49347	49671 Gmdrm	hypo	CHH	-0.0386
scaffold_149	16022	17006 Gmdrm	hypo	CHH	-0.05
scaffold_149	19393	20389 Gmdrm	hypo	CHH	-0.0259
scaffold_149	21641	21979 Gmdrm	hypo	CHH	-0.0362
scaffold_149	22478	23459 Gmdrm	hypo	CHH	-0.0105
scaffold_149	23505	24394 Gmdrm	hypo	CHH	-0.0137
scaffold_149	30121	30555 Gmdrm	hypo	CHH	-0.0544
scaffold_149	33599	34596 Gmdrm	hypo	CHH	-0.0391
scaffold_149	41221	42087 Gmdrm	hypo	CHH	-0.0167
scaffold_151	4023	4563 Gmdrm	hypo	CHH	-0.0721
scaffold_152	14741	15102 Gmdrm	hypo	CHH	-0.11
scaffold_163	1388	1536 Gmdrm	hypo	CHH	-0.058
scaffold_163	6624	6707 Gmdrm	hypo	CHH	-0.094
scaffold_164	33408	33722 Gmdrm	hypo	CHH	-0.0667
scaffold_180	5264	6012 Gmdrm	hypo	CHH	-0.0394
scaffold_187	675	941 Gmdrm	hypo	CHH	-0.0855
scaffold_194	1734	2249 Gmdrm	hypo	CHH	-0.0616
scaffold_194	6298	6473 Gmdrm	hypo	CHH	-0.1314
scaffold_194	11334	11387 Gmdrm	hypo	CHH	-0.074
scaffold_210	5	685 Gmdrm	hypo	CHH	-0.0269
scaffold_22	50426	50942 Gmdrm	hypo	CHH	-0.1537
scaffold_22	371670	371702 Gmdrm	hypo	CHH	-0.104
scaffold_22	442246	443227 Gmdrm	hypo	CHH	-0.0767
scaffold_224	2569	2963 Gmdrm	hypo	CHH	-0.0483
scaffold_224	22388	23386 Gmdrm	hypo	CHH	-0.0857
scaffold_224	23393	24393 Gmdrm	hypo	CHH	-0.0851
scaffold_224	24396	25090 Gmdrm	hypo	CHH	-0.0428
scaffold_224	25200	26200 Gmdrm	hypo	CHH	-0.0561
scaffold_229	1391	1795 Gmdrm	hypo	CHH	-0.0187
scaffold_229	7486	8471 Gmdrm	hypo	CHH	-0.0091
scaffold_229	9491	10491 Gmdrm	hypo	CHH	-0.0519
scaffold_229	10494	11492 Gmdrm	hypo	CHH	-0.0535
scaffold_229	11495	11870 Gmdrm	hypo	CHH	-0.1294
scaffold_229	12235	13227 Gmdrm	hypo	CHH	-0.0651
scaffold_229	13246	14245 Gmdrm	hypo	CHH	-0.1032
scaffold_229	14250	15239 Gmdrm	hypo	CHH	-0.0288

scaffold_229	15251	16251 Gmdrm	hypo	CHH	-0.0603
scaffold_229	17260	18258 Gmdrm	hypo	CHH	-0.0144
scaffold_229	18265	18887 Gmdrm	hypo	CHH	-0.0307
scaffold_229	21036	22021 Gmdrm	hypo	CHH	-0.0354
scaffold_229	22040	23030 Gmdrm	hypo	CHH	-0.017
scaffold_229	25294	26117 Gmdrm	hypo	CHH	-0.0365
scaffold_233	839	1058 Gmdrm	hypo	CHH	-0.0829
scaffold_233	2546	3544 Gmdrm	hypo	CHH	-0.0496
scaffold_233	6624	7138 Gmdrm	hypo	CHH	-0.0281
scaffold_233	9029	9180 Gmdrm	hypo	CHH	-0.0462
scaffold_233	11767	12767 Gmdrm	hypo	CHH	-0.0465
scaffold_233	16900	17897 Gmdrm	hypo	CHH	-0.069
scaffold_233	17903	18895 Gmdrm	hypo	CHH	-0.0288
scaffold_239	2363	2947 Gmdrm	hypo	CHH	-0.0365
scaffold_239	8895	9889 Gmdrm	hypo	CHH	-0.0362
scaffold_24	12673	13406 Gmdrm	hypo	CHH	-0.1113
scaffold_24	14890	15361 Gmdrm	hypo	CHH	-0.0874
scaffold_24	16678	17555 Gmdrm	hypo	CHH	-0.096
scaffold_24	21145	21965 Gmdrm	hypo	CHH	-0.0675
scaffold_24	23492	24489 Gmdrm	hypo	CHH	-0.0618
scaffold_24	47464	48083 Gmdrm	hypo	CHH	-0.0988
scaffold_24	53052	54019 Gmdrm	hypo	CHH	-0.0524
scaffold_24	67251	67506 Gmdrm	hypo	CHH	-0.0871
scaffold_24	113959	114655 Gmdrm	hypo	CHH	-0.0584
scaffold_24	142801	142989 Gmdrm	hypo	CHH	-0.0653
scaffold_24	176744	177332 Gmdrm	hypo	CHH	-0.0654
scaffold_24	271527	272524 Gmdrm	hypo	CHH	-0.047
scaffold_24	272530	273519 Gmdrm	hypo	CHH	-0.0372
scaffold_24	273533	273919 Gmdrm	hypo	CHH	-0.1067
scaffold_24	274311	275309 Gmdrm	hypo	CHH	-0.0356
scaffold_24	275312	276309 Gmdrm	hypo	CHH	-0.0338
scaffold_24	276315	277053 Gmdrm	hypo	CHH	-0.0542
scaffold_24	290025	290981 Gmdrm	hypo	CHH	-0.0525
scaffold_24	291027	291627 Gmdrm	hypo	CHH	-0.1056
scaffold_24	291806	292220 Gmdrm	hypo	CHH	-0.119
scaffold_24	294432	295420 Gmdrm	hypo	CHH	-0.0646
scaffold_24	296368	297368 Gmdrm	hypo	CHH	-0.067
scaffold_24	297955	298953 Gmdrm	hypo	CHH	-0.058
scaffold_24	298958	299795 Gmdrm	hypo	CHH	-0.1057
scaffold_24	299954	300804 Gmdrm	hypo	CHH	-0.1467
scaffold_24	303260	304253 Gmdrm	hypo	CHH	-0.065
scaffold_24	305242	305766 Gmdrm	hypo	CHH	-0.0913
scaffold_24	306952	307748 Gmdrm	hypo	CHH	-0.0704
scaffold_24	309355	310348 Gmdrm	hypo	CHH	-0.0678
scaffold_24	310588	310900 Gmdrm	hypo	CHH	-0.0862
scaffold_24	329775	330471 Gmdrm	hypo	CHH	-0.0598

scaffold_24	332897	333212 Gmdrm	hypo	CHH	-0.1174
scaffold_24	333901	334265 Gmdrm	hypo	CHH	-0.0802
scaffold_24	341562	342220 Gmdrm	hypo	CHH	-0.0715
scaffold_24	343615	344180 Gmdrm	hypo	CHH	-0.1078
scaffold_246	15817	16015 Gmdrm	hypo	CHH	-0.115
scaffold_25	134248	135248 Gmdrm	hypo	CHH	-0.0353
scaffold_250	15546	15848 Gmdrm	hypo	CHH	-0.3525
scaffold_253	3112	4109 Gmdrm	hypo	CHH	-0.0329
scaffold_253	12887	13881 Gmdrm	hypo	CHH	-0.0601
scaffold_26	126967	127028 Gmdrm	hypo	CHH	-0.0671
scaffold_26	135926	136172 Gmdrm	hypo	CHH	-0.07
scaffold_26	164541	165055 Gmdrm	hypo	CHH	-0.0464
scaffold_26	175702	176635 Gmdrm	hypo	CHH	-0.0262
scaffold_26	177611	177727 Gmdrm	hypo	CHH	-0.0517
scaffold_26	231073	231675 Gmdrm	hypo	CHH	-0.0294
scaffold_26	244232	244371 Gmdrm	hypo	CHH	-0.0633
scaffold_26	247165	247383 Gmdrm	hypo	CHH	-0.0323
scaffold_26	266374	266885 Gmdrm	hypo	CHH	-0.0529
scaffold_26	287763	287827 Gmdrm	hypo	CHH	-0.085
scaffold_26	293676	293908 Gmdrm	hypo	CHH	-0.0433
scaffold_273	2627	3606 Gmdrm	hypo	CHH	-0.0979
scaffold_273	3643	4108 Gmdrm	hypo	CHH	-0.1694
scaffold_273	4916	5519 Gmdrm	hypo	CHH	-0.2848
scaffold_273	15166	16164 Gmdrm	hypo	CHH	-0.1147
scaffold_28	50002	51002 Gmdrm	hypo	CHH	-0.039
scaffold_28	55522	55941 Gmdrm	hypo	CHH	-0.0988
scaffold_28	77748	78647 Gmdrm	hypo	CHH	-0.0495
scaffold_28	81041	81100 Gmdrm	hypo	CHH	-0.106
scaffold_28	86361	86548 Gmdrm	hypo	CHH	-0.1131
scaffold_28	90205	91040 Gmdrm	hypo	CHH	-0.0928
scaffold_28	110199	110496 Gmdrm	hypo	CHH	-0.1077
scaffold_28	111384	111495 Gmdrm	hypo	CHH	-0.1086
scaffold_28	113475	113802 Gmdrm	hypo	CHH	-0.0537
scaffold_28	113945	114421 Gmdrm	hypo	CHH	-0.0495
scaffold_28	165333	166319 Gmdrm	hypo	CHH	-0.0472
scaffold_28	198550	199005 Gmdrm	hypo	CHH	-0.0172
scaffold_288	12073	13072 Gmdrm	hypo	CHH	-0.0227
scaffold_288	14414	15391 Gmdrm	hypo	CHH	-0.05
scaffold_29	233857	233910 Gmdrm	hypo	CHH	-0.1716
scaffold_29	238262	238300 Gmdrm	hypo	CHH	-0.2
scaffold_29	249719	250236 Gmdrm	hypo	CHH	-0.1236
scaffold_29	295406	296403 Gmdrm	hypo	CHH	-0.0455
scaffold_29	299781	300064 Gmdrm	hypo	CHH	-0.045
scaffold_29	305414	306386 Gmdrm	hypo	CHH	-0.0526
scaffold_30	256718	256793 Gmdrm	hypo	CHH	-0.2484
scaffold_303	1603	2321 Gmdrm	hypo	CHH	-0.0532

scaffold_303	14186	15105 Gmdrm	hypo	CHH	-0.0352
scaffold_303	15720	16101 Gmdrm	hypo	CHH	-0.0742
scaffold_31	42858	43345 Gmdrm	hypo	CHH	-0.08
scaffold_31	62305	62604 Gmdrm	hypo	CHH	-0.1454
scaffold_31	89289	90265 Gmdrm	hypo	CHH	-0.0466
scaffold_31	108772	109394 Gmdrm	hypo	CHH	-0.049
scaffold_31	115683	116259 Gmdrm	hypo	CHH	-0.054
scaffold_31	119664	120056 Gmdrm	hypo	CHH	-0.1021
scaffold_31	120193	120698 Gmdrm	hypo	CHH	-0.0322
scaffold_31	121653	122017 Gmdrm	hypo	CHH	-0.1087
scaffold_31	122447	123106 Gmdrm	hypo	CHH	-0.0455
scaffold_31	152487	152812 Gmdrm	hypo	CHH	-0.06
scaffold_31	162416	162982 Gmdrm	hypo	CHH	-0.0967
scaffold_31	165909	166781 Gmdrm	hypo	CHH	-0.0474
scaffold_31	167771	168440 Gmdrm	hypo	CHH	-0.0479
scaffold_31	189844	190252 Gmdrm	hypo	CHH	-0.0372
scaffold_31	195394	195922 Gmdrm	hypo	CHH	-0.0529
scaffold_313	5646	6091 Gmdrm	hypo	CHH	-0.0777
scaffold_319	2639	3633 Gmdrm	hypo	CHH	-0.0593
scaffold_319	3676	4641 Gmdrm	hypo	CHH	-0.0636
scaffold_319	5024	5195 Gmdrm	hypo	CHH	-0.1756
scaffold_319	5697	6210 Gmdrm	hypo	CHH	-0.1292
scaffold_32	273837	274832 Gmdrm	hypo	CHH	-0.032
scaffold_327	2093	3010 Gmdrm	hypo	CHH	-0.0339
scaffold_327	3107	4094 Gmdrm	hypo	CHH	-0.0583
scaffold_328	8003	8349 Gmdrm	hypo	CHH	-0.2
scaffold_328	12916	13908 Gmdrm	hypo	CHH	-0.3218
scaffold_33	563	675 Gmdrm	hypo	CHH	-0.0994
scaffold_33	6086	6399 Gmdrm	hypo	CHH	-0.0196
scaffold_33	19345	19576 Gmdrm	hypo	CHH	-0.0469
scaffold_34	38587	38881 Gmdrm	hypo	CHH	-0.0568
scaffold_34	51624	51871 Gmdrm	hypo	CHH	-0.0444
scaffold_36	66758	66797 Gmdrm	hypo	CHH	-0.126
scaffold_36	67298	67352 Gmdrm	hypo	CHH	-0.1217
scaffold_36	90062	90194 Gmdrm	hypo	CHH	-0.108
scaffold_36	97466	97567 Gmdrm	hypo	CHH	-0.065
scaffold_36	98746	98905 Gmdrm	hypo	CHH	-0.0409
scaffold_36	125308	126302 Gmdrm	hypo	CHH	-0.0394
scaffold_37	108193	108636 Gmdrm	hypo	CHH	-0.0788
scaffold_37	114506	114786 Gmdrm	hypo	CHH	-0.0999
scaffold_37	156828	157762 Gmdrm	hypo	CHH	-0.0595
scaffold_37	158465	158762 Gmdrm	hypo	CHH	-0.037
scaffold_37	165453	165497 Gmdrm	hypo	CHH	-0.054
scaffold_37	166110	166367 Gmdrm	hypo	CHH	-0.07
scaffold_37	166548	166920 Gmdrm	hypo	CHH	-0.0426
scaffold_37	178826	178959 Gmdrm	hypo	CHH	-0.1343

scaffold_37	179064	179542 Gmdrm	hypo	CHH	-0.0669
scaffold_37	234811	234997 Gmdrm	hypo	CHH	-0.0769
scaffold_39	188222	188797 Gmdrm	hypo	CHH	-0.0522
scaffold_393	1332	1830 Gmdrm	hypo	CHH	-0.0865
scaffold_393	3657	3867 Gmdrm	hypo	CHH	-0.1067
scaffold_393	7083	7370 Gmdrm	hypo	CHH	-0.0967
scaffold_405	2870	3003 Gmdrm	hypo	CHH	-0.1036
scaffold_422	2154	2799 Gmdrm	hypo	CHH	-0.0156
scaffold_422	2900	3896 Gmdrm	hypo	CHH	-0.2007
scaffold_422	3903	4889 Gmdrm	hypo	CHH	-0.1681
scaffold_436	6303	6862 Gmdrm	hypo	CHH	-0.048
scaffold_436	9662	10328 Gmdrm	hypo	CHH	-0.0509
scaffold_44	38151	38410 Gmdrm	hypo	CHH	-0.0676
scaffold_44	51044	51089 Gmdrm	hypo	CHH	-0.1171
scaffold_44	53173	54107 Gmdrm	hypo	CHH	-0.0823
scaffold_44	88442	89436 Gmdrm	hypo	CHH	-0.0492
scaffold_44	97240	97288 Gmdrm	hypo	CHH	-0.08
scaffold_44	97832	98831 Gmdrm	hypo	CHH	-0.0646
scaffold_44	99637	99914 Gmdrm	hypo	CHH	-0.1217
scaffold_44	100016	100975 Gmdrm	hypo	CHH	-0.1058
scaffold_44	101784	102419 Gmdrm	hypo	CHH	-0.1069
scaffold_44	104367	104508 Gmdrm	hypo	CHH	-0.224
scaffold_44	104641	105609 Gmdrm	hypo	CHH	-0.128
scaffold_44	105653	106536 Gmdrm	hypo	CHH	-0.0869
scaffold_44	106690	107407 Gmdrm	hypo	CHH	-0.1053
scaffold_44	107526	107597 Gmdrm	hypo	CHH	-0.1533
scaffold_44	107745	108737 Gmdrm	hypo	CHH	-0.0791
scaffold_44	108831	109424 Gmdrm	hypo	CHH	-0.098
scaffold_44	109576	110572 Gmdrm	hypo	CHH	-0.1248
scaffold_44	110594	111585 Gmdrm	hypo	CHH	-0.1587
scaffold_44	111596	112542 Gmdrm	hypo	CHH	-0.1031
scaffold_44	112621	113238 Gmdrm	hypo	CHH	-0.1195
scaffold_44	113806	114806 Gmdrm	hypo	CHH	-0.0802
scaffold_44	116391	116671 Gmdrm	hypo	CHH	-0.1388
scaffold_44	118064	119023 Gmdrm	hypo	CHH	-0.1067
scaffold_44	120897	121052 Gmdrm	hypo	CHH	-0.23
scaffold_44	121195	121296 Gmdrm	hypo	CHH	-0.1317
scaffold_44	121480	121704 Gmdrm	hypo	CHH	-0.146
scaffold_44	122235	122810 Gmdrm	hypo	CHH	-0.1248
scaffold_44	125181	126104 Gmdrm	hypo	CHH	-0.0976
scaffold_44	127226	128221 Gmdrm	hypo	CHH	-0.0419
scaffold_44	128228	128923 Gmdrm	hypo	CHH	-0.0605
scaffold_44	130905	131345 Gmdrm	hypo	CHH	-0.1315
scaffold_44	139700	140676 Gmdrm	hypo	CHH	-0.05
scaffold_44	141079	141560 Gmdrm	hypo	CHH	-0.0553
scaffold_44	143037	144037 Gmdrm	hypo	CHH	-0.0466

scaffold_44	149998	150507 Gmdrm	hypo	CHH	-0.0703
scaffold_44	150672	151390 Gmdrm	hypo	CHH	-0.0757
scaffold_44	152507	152822 Gmdrm	hypo	CHH	-0.1422
scaffold_44	152969	153969 Gmdrm	hypo	CHH	-0.0981
scaffold_44	153974	154951 Gmdrm	hypo	CHH	-0.1268
scaffold_44	156180	157180 Gmdrm	hypo	CHH	-0.0793
scaffold_44	157183	158032 Gmdrm	hypo	CHH	-0.0853
scaffold_44	158205	158735 Gmdrm	hypo	CHH	-0.1408
scaffold_44	159764	160764 Gmdrm	hypo	CHH	-0.1132
scaffold_44	160782	161245 Gmdrm	hypo	CHH	-0.1331
scaffold_44	162118	162460 Gmdrm	hypo	CHH	-0.1196
scaffold_44	175621	176609 Gmdrm	hypo	CHH	-0.0838
scaffold_44	176624	176970 Gmdrm	hypo	CHH	-0.099
scaffold_44	177450	178438 Gmdrm	hypo	CHH	-0.0642
scaffold_44	178541	179148 Gmdrm	hypo	CHH	-0.1653
scaffold_44	188197	188792 Gmdrm	hypo	CHH	-0.0826
scaffold_44	189895	190582 Gmdrm	hypo	CHH	-0.1568
scaffold_44	191258	192237 Gmdrm	hypo	CHH	-0.098
scaffold_44	193251	193777 Gmdrm	hypo	CHH	-0.0847
scaffold_44	193918	194839 Gmdrm	hypo	CHH	-0.1063
scaffold_44	195412	195648 Gmdrm	hypo	CHH	-0.0988
scaffold_44	195818	196780 Gmdrm	hypo	CHH	-0.0669
scaffold_44	197978	198582 Gmdrm	hypo	CHH	-0.0481
scaffold_44	198804	199772 Gmdrm	hypo	CHH	-0.0793
scaffold_44	199810	200460 Gmdrm	hypo	CHH	-0.0658
scaffold_44	201057	201405 Gmdrm	hypo	CHH	-0.1525
scaffold_449	110	1110 Gmdrm	hypo	CHH	-0.0506
scaffold_449	1125	1578 Gmdrm	hypo	CHH	-0.0556
scaffold_449	1719	2710 Gmdrm	hypo	CHH	-0.0801
scaffold_456	5713	6113 Gmdrm	hypo	CHH	-0.0816
scaffold_456	7236	8077 Gmdrm	hypo	CHH	-0.0806
scaffold_46	4719	4908 Gmdrm	hypo	CHH	-0.0614
scaffold_46	10874	11806 Gmdrm	hypo	CHH	-0.0183
scaffold_46	27688	28172 Gmdrm	hypo	CHH	-0.0486
scaffold_46	49446	49966 Gmdrm	hypo	CHH	-0.085
scaffold_46	54957	55548 Gmdrm	hypo	CHH	-0.0455
scaffold_461	3458	4242 Gmdrm	hypo	CHH	-0.0284
scaffold_461	8559	9553 Gmdrm	hypo	CHH	-0.0148
scaffold_461	9560	10560 Gmdrm	hypo	CHH	-0.0141
scaffold_461	10589	11589 Gmdrm	hypo	CHH	-0.008
scaffold_461	11590	12105 Gmdrm	hypo	CHH	-0.0183
scaffold_47	25014	25139 Gmdrm	hypo	CHH	-0.2
scaffold_47	51761	51793 Gmdrm	hypo	CHH	-0.0767
scaffold_47	58277	59265 Gmdrm	hypo	CHH	-0.0284
scaffold_47	62433	63188 Gmdrm	hypo	CHH	-0.0744
scaffold_47	98675	99664 Gmdrm	hypo	CHH	-0.0388

scaffold_47	131295	131438 Gmdrm	hypo	CHH	-0.1163
scaffold_47	139460	139976 Gmdrm	hypo	CHH	-0.0704
scaffold_47	146193	147191 Gmdrm	hypo	CHH	-0.0342
scaffold_47	151242	151587 Gmdrm	hypo	CHH	-0.0764
scaffold_47	153833	154030 Gmdrm	hypo	CHH	-0.0662
scaffold_47	172434	172636 Gmdrm	hypo	CHH	-0.0318
scaffold_475	2078	3072 Gmdrm	hypo	CHH	-0.0198
scaffold_475	3079	3561 Gmdrm	hypo	CHH	-0.2295
scaffold_478	5150	6149 Gmdrm	hypo	CHH	-0.0469
scaffold_478	6156	7141 Gmdrm	hypo	CHH	-0.0758
scaffold_478	9563	10563 Gmdrm	hypo	CHH	-0.0613
scaffold_496	2737	3440 Gmdrm	hypo	CHH	-0.0591
scaffold_502	9139	9996 Gmdrm	hypo	CHH	-0.0476
scaffold_506	2115	3114 Gmdrm	hypo	CHH	-0.0589
scaffold_506	3123	3854 Gmdrm	hypo	CHH	-0.0643
scaffold_506	4415	5413 Gmdrm	hypo	CHH	-0.0473
scaffold_506	9046	10043 Gmdrm	hypo	CHH	-0.0206
scaffold_52	16852	17836 Gmdrm	hypo	CHH	-0.0794
scaffold_52	18055	18549 Gmdrm	hypo	CHH	-0.0658
scaffold_52	38400	38837 Gmdrm	hypo	CHH	-0.1109
scaffold_52	38943	39932 Gmdrm	hypo	CHH	-0.0438
scaffold_52	40799	41553 Gmdrm	hypo	CHH	-0.0792
scaffold_52	43493	43875 Gmdrm	hypo	CHH	-0.0515
scaffold_52	44886	45136 Gmdrm	hypo	CHH	-0.0842
scaffold_52	45387	45970 Gmdrm	hypo	CHH	-0.0467
scaffold_52	46071	46640 Gmdrm	hypo	CHH	-0.0521
scaffold_52	78811	79260 Gmdrm	hypo	CHH	-0.0685
scaffold_52	90908	91320 Gmdrm	hypo	CHH	-0.0492
scaffold_52	103227	104220 Gmdrm	hypo	CHH	-0.0419
scaffold_52	111836	112179 Gmdrm	hypo	CHH	-0.0656
scaffold_524	2469	3464 Gmdrm	hypo	CHH	-0.0873
scaffold_524	3657	4648 Gmdrm	hypo	CHH	-0.0143
scaffold_524	10667	10793 Gmdrm	hypo	CHH	-0.1458
scaffold_540	6615	7613 Gmdrm	hypo	CHH	-0.0591
scaffold_540	7625	8096 Gmdrm	hypo	CHH	-0.0946
scaffold_540	8657	9657 Gmdrm	hypo	CHH	-0.0499
scaffold_56	41707	42136 Gmdrm	hypo	CHH	-0.0682
scaffold_56	97381	97725 Gmdrm	hypo	CHH	-0.121
scaffold_56	146245	146591 Gmdrm	hypo	CHH	-0.0347
scaffold_570	9638	9900 Gmdrm	hypo	CHH	-0.0814
scaffold_60	33069	33406 Gmdrm	hypo	CHH	-0.0339
scaffold_60	41501	42159 Gmdrm	hypo	CHH	-0.0351
scaffold_60	51931	52576 Gmdrm	hypo	CHH	-0.0495
scaffold_60	80017	80116 Gmdrm	hypo	CHH	-0.0972
scaffold_62	75991	76399 Gmdrm	hypo	CHH	-0.0989
scaffold_64	3931	4280 Gmdrm	hypo	CHH	-0.1171

scaffold_64	5581	6557 Gmdrm	hypo	CHH	-0.0394
scaffold_64	15437	15821 Gmdrm	hypo	CHH	-0.0669
scaffold_64	16064	16948 Gmdrm	hypo	CHH	-0.026
scaffold_64	52387	53045 Gmdrm	hypo	CHH	-0.0552
scaffold_64	56450	56950 Gmdrm	hypo	CHH	-0.1
scaffold_64	58986	59981 Gmdrm	hypo	CHH	-0.0415
scaffold_64	60189	60750 Gmdrm	hypo	CHH	-0.0817
scaffold_64	62706	63706 Gmdrm	hypo	CHH	-0.0401
scaffold_64	66011	66933 Gmdrm	hypo	CHH	-0.0263
scaffold_64	83405	84207 Gmdrm	hypo	CHH	-0.0528
scaffold_64	91337	92337 Gmdrm	hypo	CHH	-0.0396
scaffold_64	120170	120972 Gmdrm	hypo	CHH	-0.0409
scaffold_73	11138	11286 Gmdrm	hypo	CHH	-0.1759
scaffold_73	41935	42266 Gmdrm	hypo	CHH	-0.1
scaffold_73	51987	52050 Gmdrm	hypo	CHH	-0.0884
scaffold_73	55091	56084 Gmdrm	hypo	CHH	-0.074
scaffold_73	56131	56438 Gmdrm	hypo	CHH	-0.08
scaffold_73	56579	57570 Gmdrm	hypo	CHH	-0.0512
scaffold_73	57588	58567 Gmdrm	hypo	CHH	-0.0523
scaffold_73	59303	60300 Gmdrm	hypo	CHH	-0.1077
scaffold_73	60308	60725 Gmdrm	hypo	CHH	-0.1726
scaffold_73	61644	62635 Gmdrm	hypo	CHH	-0.0737
scaffold_73	90846	91661 Gmdrm	hypo	CHH	-0.0684
scaffold_73	93599	94594 Gmdrm	hypo	CHH	-0.0336
scaffold_73	100637	101637 Gmdrm	hypo	CHH	-0.041
scaffold_82	3314	4302 Gmdrm	hypo	CHH	-0.0196
scaffold_82	8482	8556 Gmdrm	hypo	CHH	-0.065
scaffold_82	14159	14642 Gmdrm	hypo	CHH	-0.0374
scaffold_82	32698	33576 Gmdrm	hypo	CHH	-0.0694
scaffold_82	50620	50865 Gmdrm	hypo	CHH	-0.0329
scaffold_82	53349	54332 Gmdrm	hypo	CHH	-0.0489
scaffold_82	55930	56911 Gmdrm	hypo	CHH	-0.0136
scaffold_82	68695	69683 Gmdrm	hypo	CHH	-0.0494
scaffold_82	70172	70760 Gmdrm	hypo	CHH	-0.0569
scaffold_82	71254	71404 Gmdrm	hypo	CHH	-0.12
scaffold_82	75284	76270 Gmdrm	hypo	CHH	-0.0289
scaffold_82	80245	81244 Gmdrm	hypo	CHH	-0.0374
scaffold_82	81253	81456 Gmdrm	hypo	CHH	-0.085
scaffold_82	81742	82730 Gmdrm	hypo	CHH	-0.0818
scaffold_82	84889	85855 Gmdrm	hypo	CHH	-0.0256
scaffold_82	85913	86363 Gmdrm	hypo	CHH	-0.0737
scaffold_83	15550	15776 Gmdrm	hypo	CHH	-0.1309
scaffold_83	41663	42380 Gmdrm	hypo	CHH	-0.0635
scaffold_83	71123	71284 Gmdrm	hypo	CHH	-0.0958
scaffold_83	80983	81247 Gmdrm	hypo	CHH	-0.098
scaffold_85	47545	48226 Gmdrm	hypo	CHH	-0.0652

scaffold_85	49591	49663 Gmdrm	hypo	CHH	-0.13
scaffold_86	81032	81432 Gmdrm	hypo	CHH	-0.0625
scaffold_88	1343	2337 Gmdrm	hypo	CHH	-0.0499
scaffold_88	39933	40177 Gmdrm	hypo	CHH	-0.0492
scaffold_88	50001	50457 Gmdrm	hypo	CHH	-0.0626
scaffold_88	77286	78271 Gmdrm	hypo	CHH	-0.0527
scaffold_88	78314	78509 Gmdrm	hypo	CHH	-0.0709
scaffold_92	50945	51439 Gmdrm	hypo	CHH	-0.1096

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